

Pantheon Report

Generated at 2019-07-12 08:30:29 (UTC).
Data path: GCE London on `ens4` (*remote*) → GCE Tokyo 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:

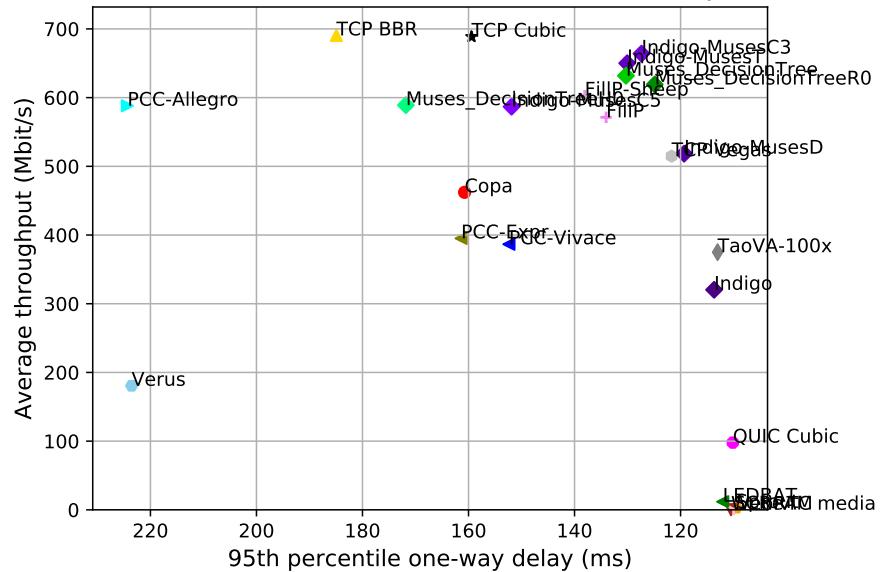
```
Linux 4.15.0-1034-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

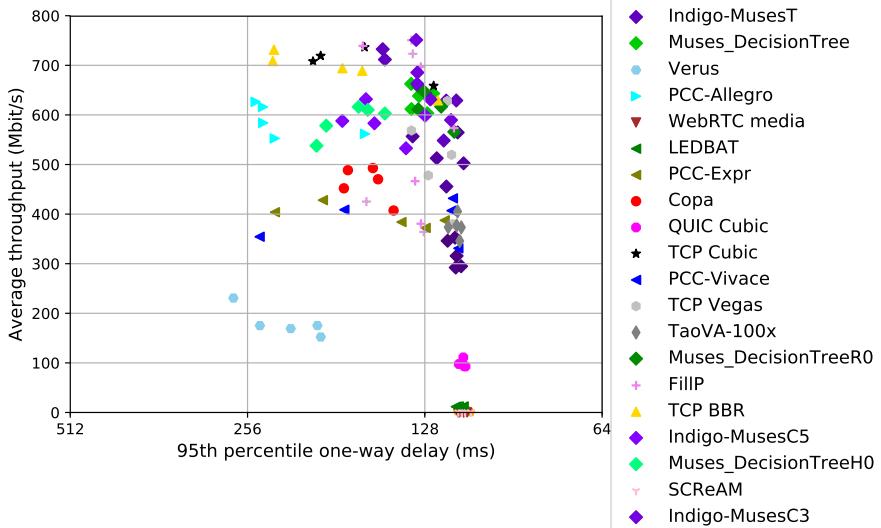
```
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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
```

test from GCE London to GCE Tokyo, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London to GCE Tokyo, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



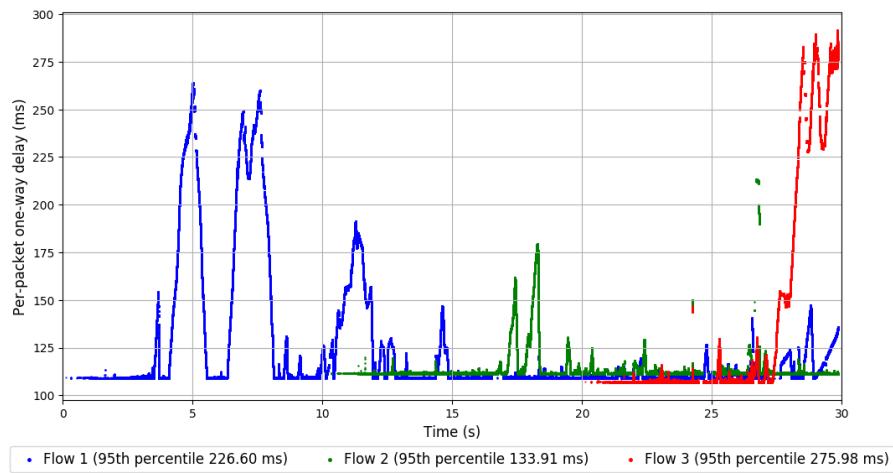
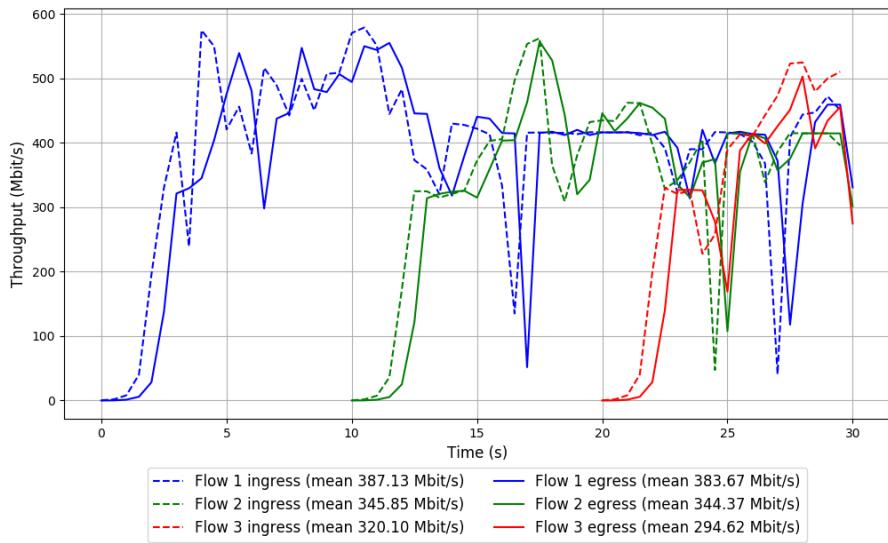
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	382.01	329.88	273.61	193.41	134.93	160.79	1.28	1.25	5.07
Copa	5	254.49	229.82	168.51	159.39	163.74	144.75	0.62	1.19	3.28
TCP Cubic	5	360.52	349.24	294.40	118.79	176.24	141.79	0.75	1.25	2.93
FillP	5	279.13	331.50	222.22	144.99	113.45	110.55	0.93	1.00	2.72
FillP-Sheep	5	326.00	307.65	224.09	146.76	111.31	110.37	0.70	1.05	2.71
Indigo	5	176.01	149.19	141.34	113.16	113.44	113.44	0.83	1.30	2.72
Indigo-MusesC3	5	403.47	323.45	228.49	141.23	114.55	113.38	0.57	1.10	4.04
Indigo-MusesC5	5	349.56	328.85	115.79	164.66	139.31	110.11	0.67	1.20	4.54
Indigo-MusesD	5	319.05	287.77	73.62	117.19	127.20	110.26	0.77	1.29	4.72
Indigo-MusesT	5	420.49	299.63	170.41	132.54	123.84	119.78	0.63	1.37	4.64
LEDBAT	5	7.77	4.95	2.46	110.08	111.27	108.41	1.42	2.24	4.46
Muses_DecisionTree	5	376.82	307.69	168.31	134.05	130.01	111.05	0.75	1.02	3.41
Muses_DecisionTreeH0	5	327.46	303.69	197.47	187.72	132.31	135.32	2.35	1.35	3.61
Muses_DecisionTreeR0	5	368.19	297.36	178.53	131.36	115.75	112.57	0.55	1.07	3.59
PCC-Allegro	5	329.33	278.07	230.29	228.55	173.24	181.48	3.41	2.36	3.95
PCC-Expr	5	218.03	191.70	154.23	141.46	166.94	146.97	0.91	2.68	3.05
QUIC Cubic	5	53.09	47.24	41.00	107.76	110.20	108.04	0.71	1.82	3.25
SCReAM	5	0.22	0.22	0.22	109.20	109.81	107.73	0.72	1.25	2.22
Sprout	5	0.96	2.07	1.39	108.14	108.45	108.99	0.62	1.50	1.52
TaoVA-100x	5	194.67	188.75	168.66	110.26	115.04	112.54	0.86	1.30	2.76
TCP Vegas	5	259.56	251.35	269.90	115.01	119.80	143.18	0.45	0.94	2.07
Verus	5	106.45	83.17	58.92	193.31	192.90	167.31	2.06	0.28	2.68
PCC-Vivace	5	236.86	173.31	107.53	148.58	153.30	113.25	1.12	1.62	3.23
WebRTC media	5	0.05	0.05	0.05	109.23	108.86	108.95	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-12 02:21:17
End at: 2019-07-12 02:21:47
Local clock offset: -0.21 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2019-07-12 06:18:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 708.61 Mbit/s
95th percentile per-packet one-way delay: 231.951 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 383.67 Mbit/s
95th percentile per-packet one-way delay: 226.599 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 344.37 Mbit/s
95th percentile per-packet one-way delay: 133.906 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 294.62 Mbit/s
95th percentile per-packet one-way delay: 275.981 ms
Loss rate: 10.00%
```

Run 1: Report of TCP BBR — Data Link

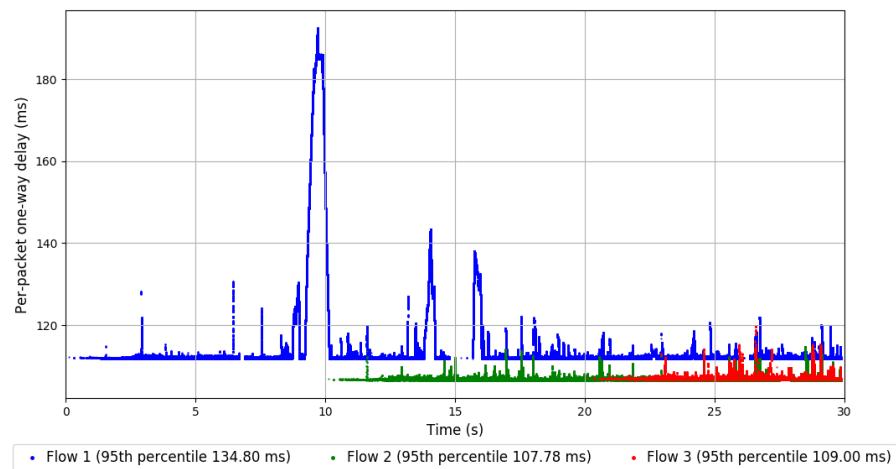
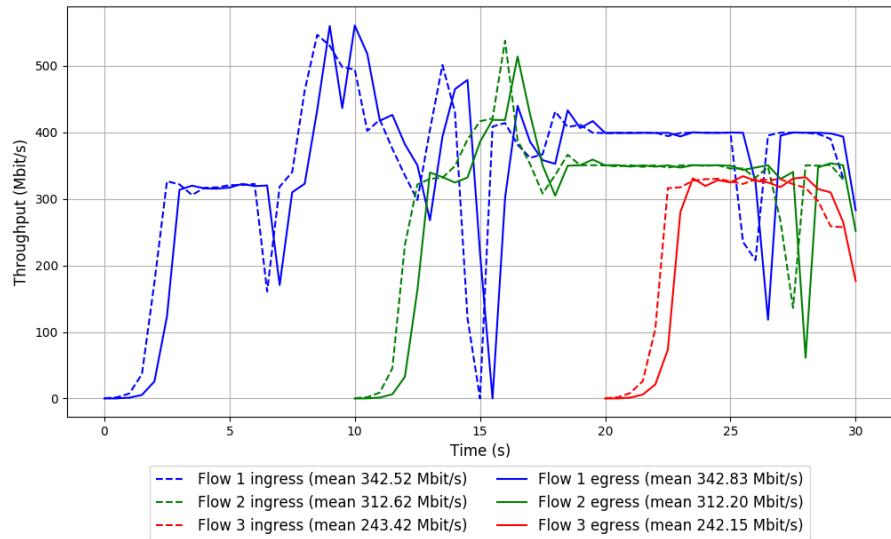


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-12 03:03:35
End at: 2019-07-12 03:04:05
Local clock offset: -0.129 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-07-12 06:18:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 629.37 Mbit/s
95th percentile per-packet one-way delay: 121.683 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 342.83 Mbit/s
95th percentile per-packet one-way delay: 134.799 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 312.20 Mbit/s
95th percentile per-packet one-way delay: 107.778 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 242.15 Mbit/s
95th percentile per-packet one-way delay: 109.003 ms
Loss rate: 2.69%
```

Run 2: Report of TCP BBR — Data Link

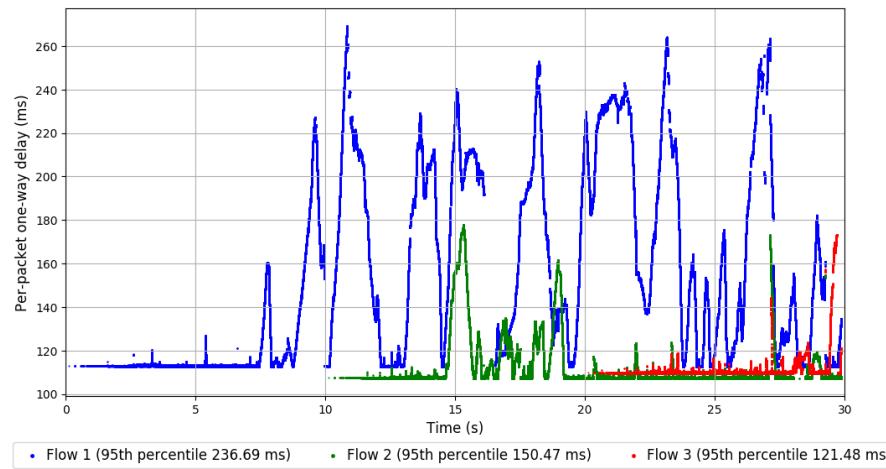
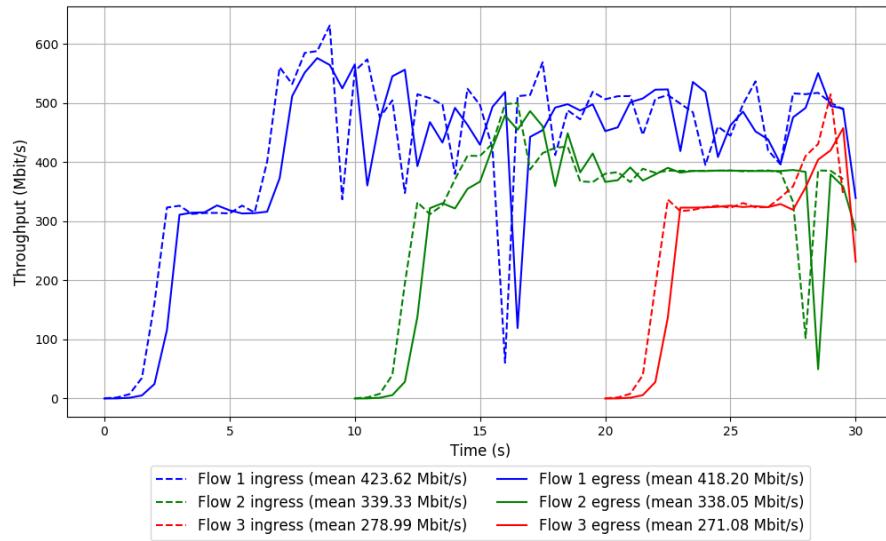


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-12 03:46:12
End at: 2019-07-12 03:46:42
Local clock offset: 0.494 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2019-07-12 06:18:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 731.40 Mbit/s
95th percentile per-packet one-way delay: 230.865 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 418.20 Mbit/s
95th percentile per-packet one-way delay: 236.694 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 338.05 Mbit/s
95th percentile per-packet one-way delay: 150.472 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 271.08 Mbit/s
95th percentile per-packet one-way delay: 121.479 ms
Loss rate: 4.99%
```

Run 3: Report of TCP BBR — Data Link

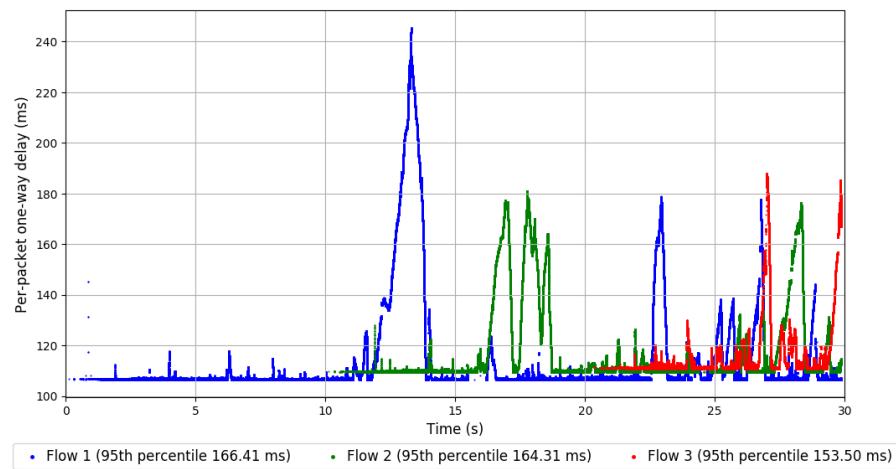
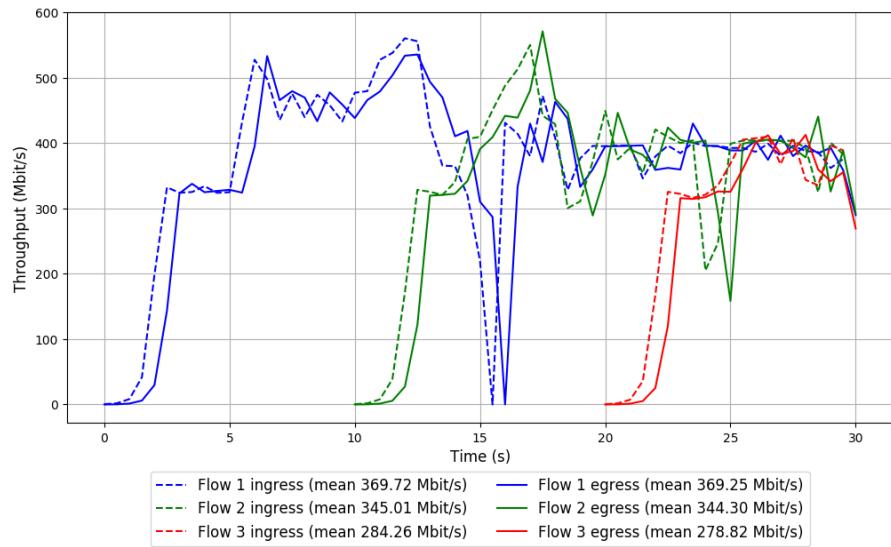


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-12 04:28:41
End at: 2019-07-12 04:29:11
Local clock offset: -0.523 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-12 06:18:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.02 Mbit/s
95th percentile per-packet one-way delay: 163.464 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 369.25 Mbit/s
95th percentile per-packet one-way delay: 166.406 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 344.30 Mbit/s
95th percentile per-packet one-way delay: 164.313 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 278.82 Mbit/s
95th percentile per-packet one-way delay: 153.496 ms
Loss rate: 4.08%
```

Run 4: Report of TCP BBR — Data Link

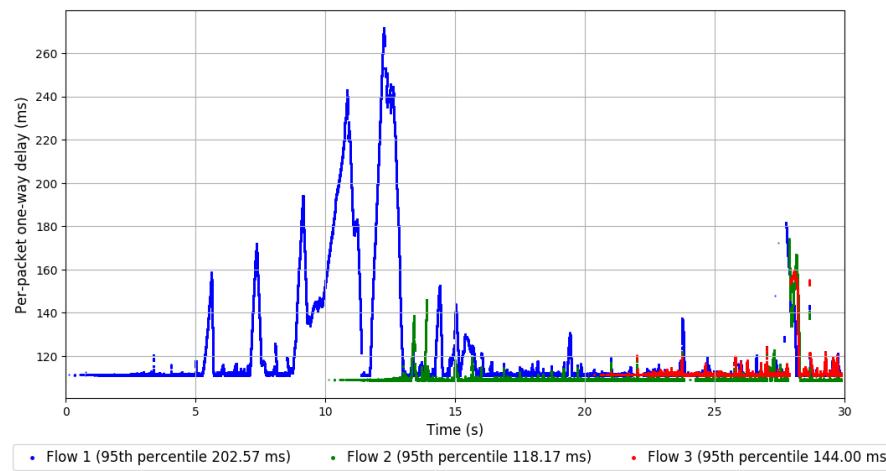
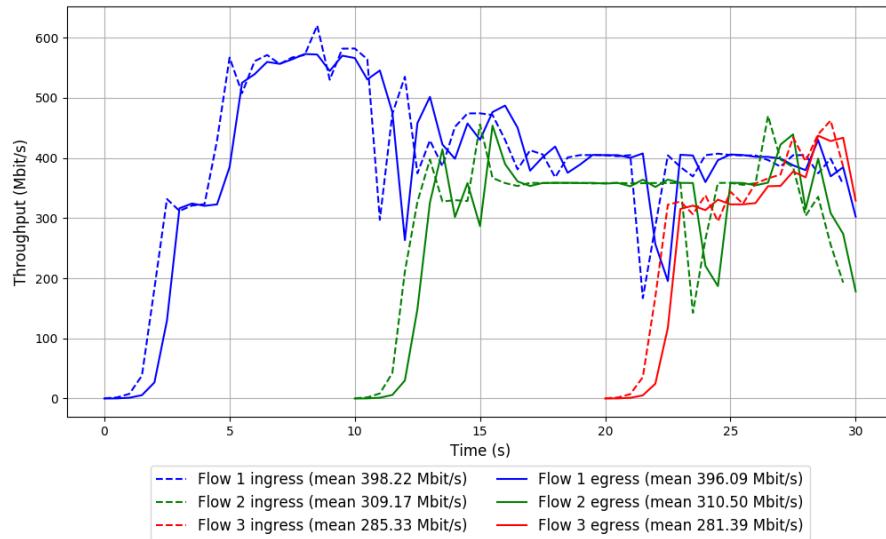


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-12 05:10:43
End at: 2019-07-12 05:11:13
Local clock offset: -0.464 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2019-07-12 06:18:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 694.22 Mbit/s
95th percentile per-packet one-way delay: 176.650 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 396.09 Mbit/s
95th percentile per-packet one-way delay: 202.566 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 310.50 Mbit/s
95th percentile per-packet one-way delay: 118.168 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 281.39 Mbit/s
95th percentile per-packet one-way delay: 144.002 ms
Loss rate: 3.58%
```

Run 5: Report of TCP BBR — Data Link

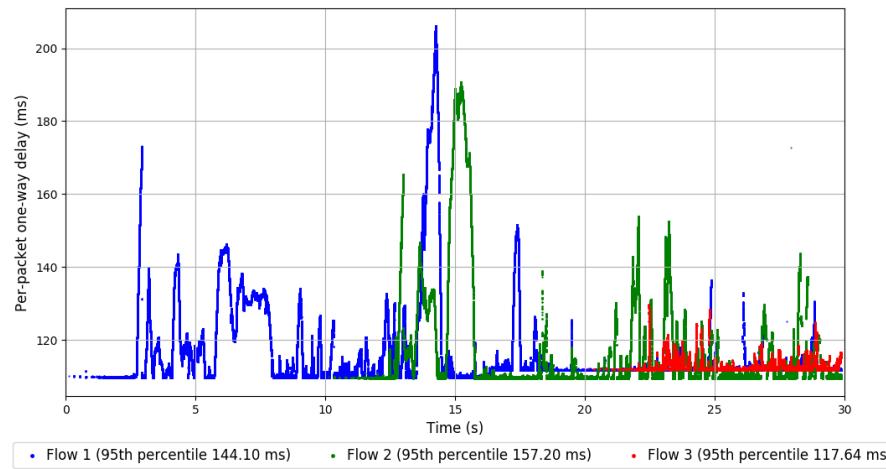
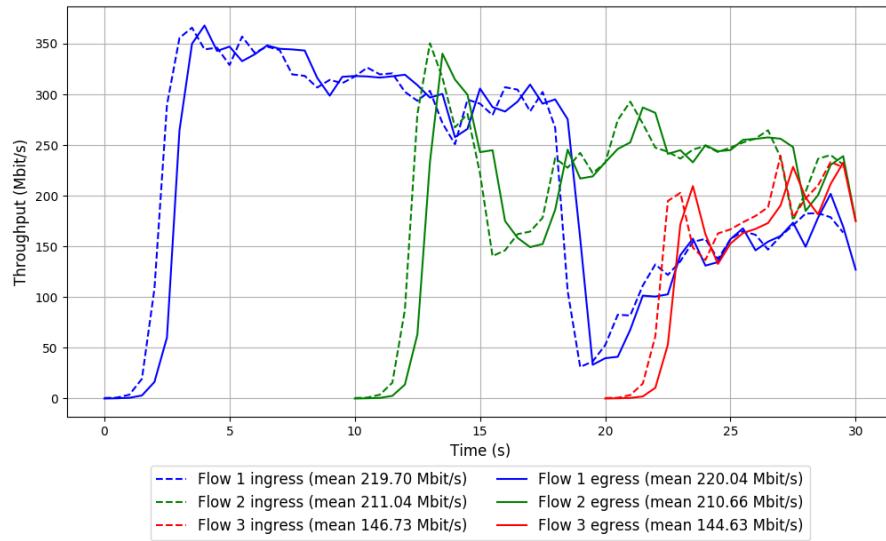


Run 1: Statistics of Copa

```
Start at: 2019-07-12 02:57:53
End at: 2019-07-12 02:58:23
Local clock offset: -0.261 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-12 06:19:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 407.22 Mbit/s
95th percentile per-packet one-way delay: 144.635 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 220.04 Mbit/s
95th percentile per-packet one-way delay: 144.096 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 210.66 Mbit/s
95th percentile per-packet one-way delay: 157.204 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 144.63 Mbit/s
95th percentile per-packet one-way delay: 117.641 ms
Loss rate: 3.64%
```

Run 1: Report of Copa — Data Link

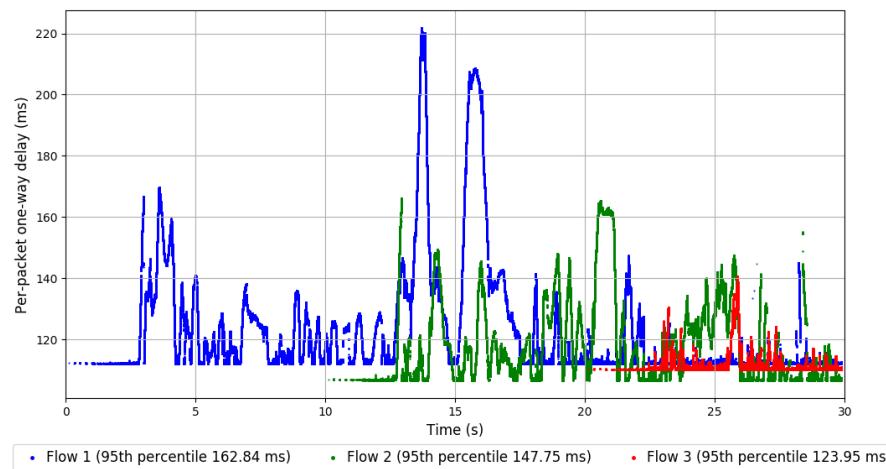
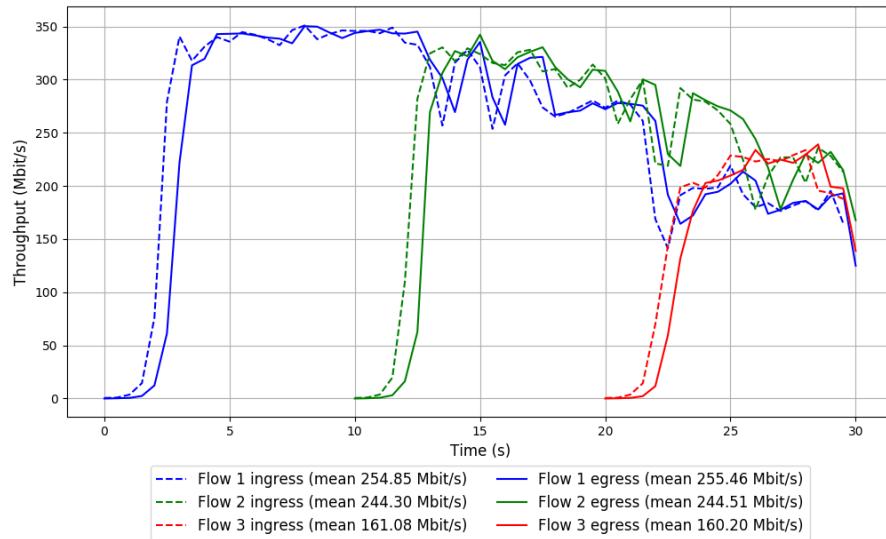


Run 2: Statistics of Copa

```
Start at: 2019-07-12 03:40:29
End at: 2019-07-12 03:40:59
Local clock offset: -0.138 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-07-12 06:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.25 Mbit/s
95th percentile per-packet one-way delay: 153.679 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 255.46 Mbit/s
95th percentile per-packet one-way delay: 162.836 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 244.51 Mbit/s
95th percentile per-packet one-way delay: 147.750 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 160.20 Mbit/s
95th percentile per-packet one-way delay: 123.955 ms
Loss rate: 2.76%
```

Run 2: Report of Copa — Data Link

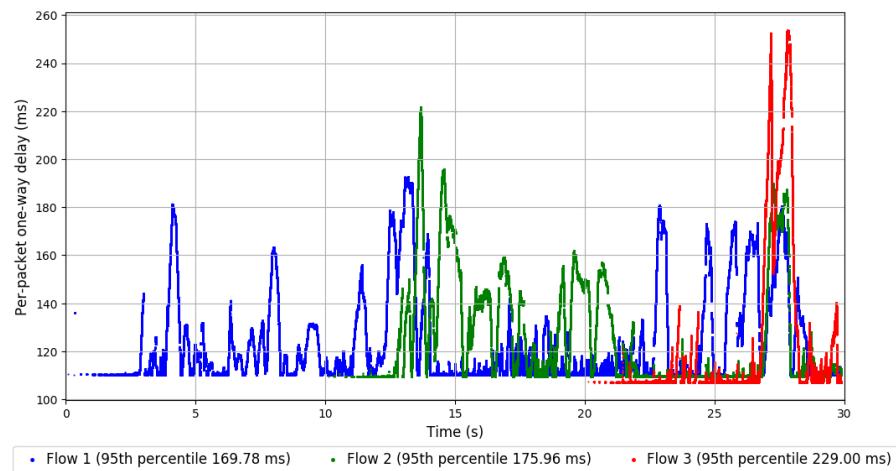
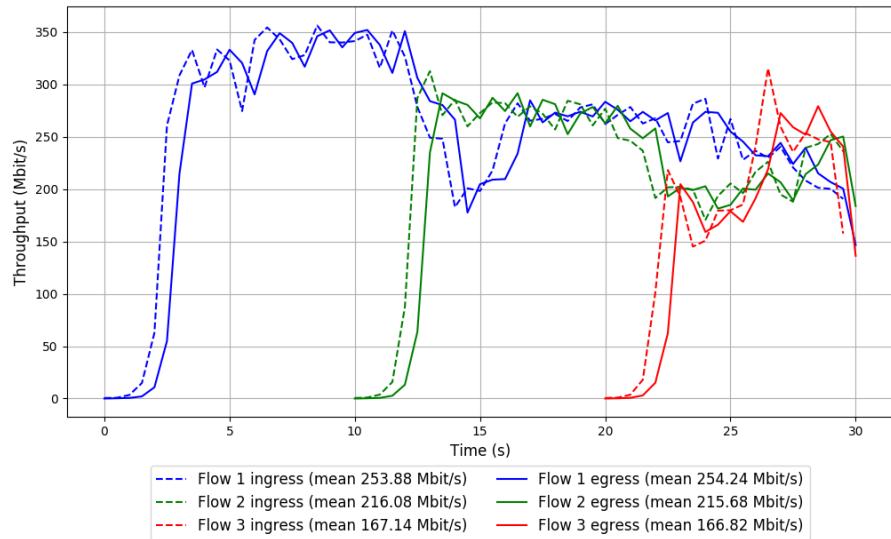


Run 3: Statistics of Copa

```
Start at: 2019-07-12 04:23:11
End at: 2019-07-12 04:23:41
Local clock offset: -0.177 ms
Remote clock offset: -0.372 ms

# Below is generated by plot.py at 2019-07-12 06:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.99 Mbit/s
95th percentile per-packet one-way delay: 175.633 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 254.24 Mbit/s
95th percentile per-packet one-way delay: 169.781 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 215.68 Mbit/s
95th percentile per-packet one-way delay: 175.956 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 166.82 Mbit/s
95th percentile per-packet one-way delay: 228.998 ms
Loss rate: 2.36%
```

Run 3: Report of Copa — Data Link

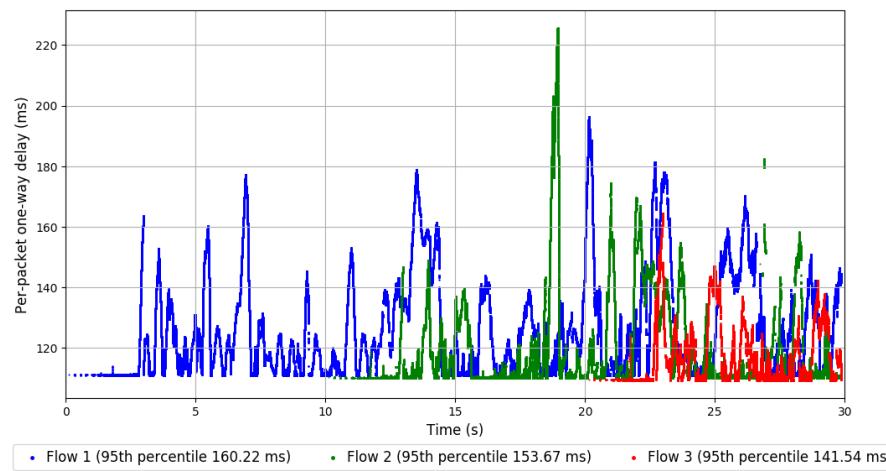
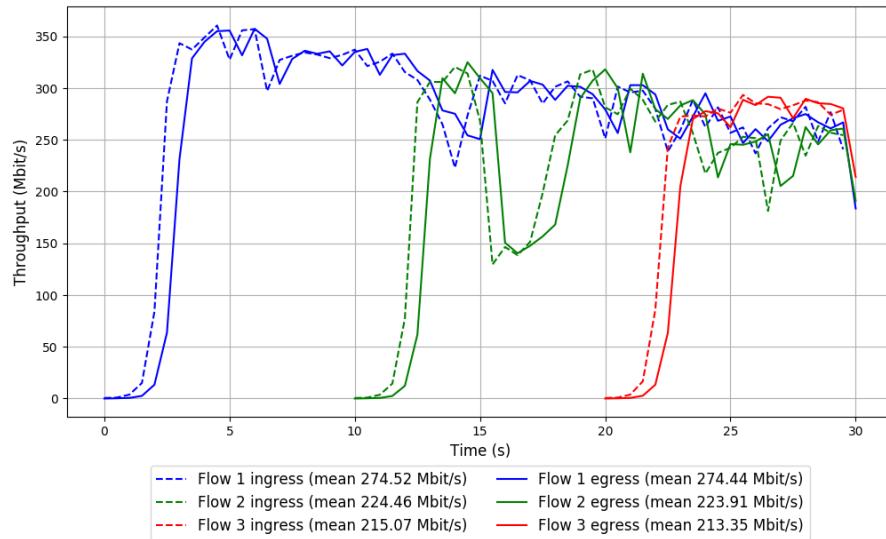


Run 4: Statistics of Copa

```
Start at: 2019-07-12 05:05:08
End at: 2019-07-12 05:05:38
Local clock offset: -0.503 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-07-12 06:33:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 492.81 Mbit/s
95th percentile per-packet one-way delay: 156.827 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 274.44 Mbit/s
95th percentile per-packet one-way delay: 160.222 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 223.91 Mbit/s
95th percentile per-packet one-way delay: 153.670 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 213.35 Mbit/s
95th percentile per-packet one-way delay: 141.544 ms
Loss rate: 3.00%
```

Run 4: Report of Copa — Data Link

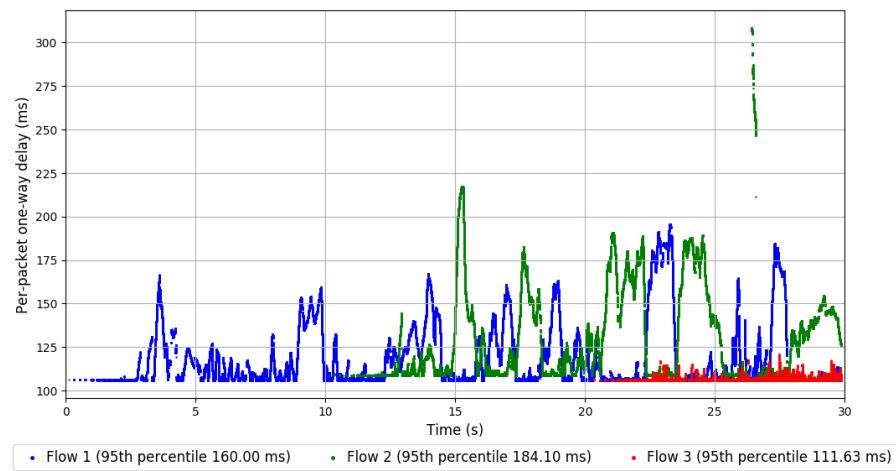
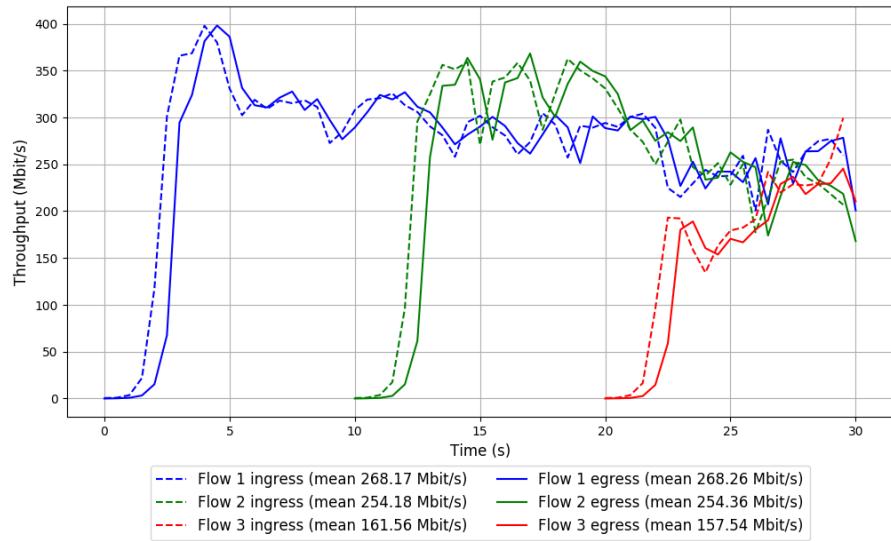


Run 5: Statistics of Copa

```
Start at: 2019-07-12 05:46:49
End at: 2019-07-12 05:47:19
Local clock offset: -0.109 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.57 Mbit/s
95th percentile per-packet one-way delay: 172.910 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 268.26 Mbit/s
95th percentile per-packet one-way delay: 160.004 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 254.36 Mbit/s
95th percentile per-packet one-way delay: 184.099 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 157.54 Mbit/s
95th percentile per-packet one-way delay: 111.633 ms
Loss rate: 4.63%
```

Run 5: Report of Copa — Data Link

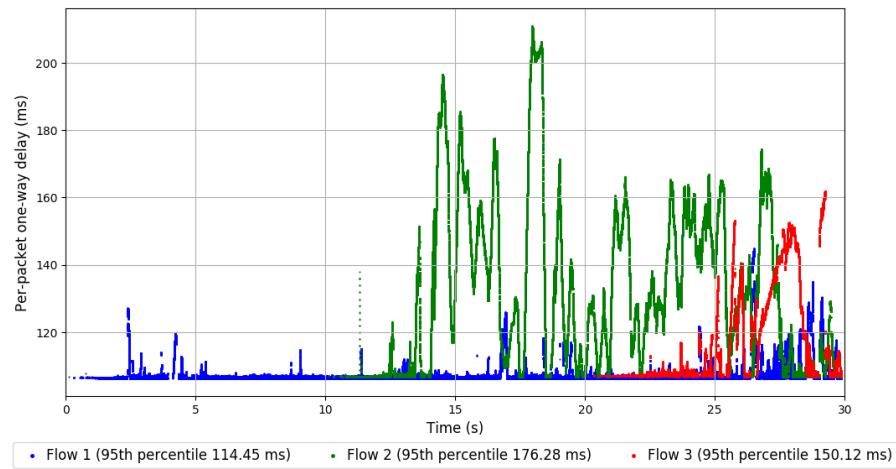
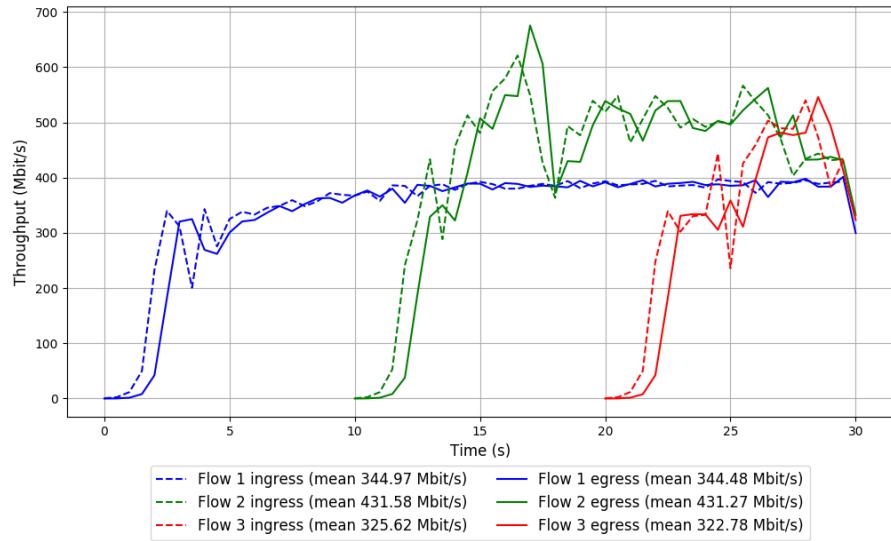


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-12 02:47:00
End at: 2019-07-12 02:47:30
Local clock offset: -0.156 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.51 Mbit/s
95th percentile per-packet one-way delay: 161.999 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 344.48 Mbit/s
95th percentile per-packet one-way delay: 114.455 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 431.27 Mbit/s
95th percentile per-packet one-way delay: 176.280 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 322.78 Mbit/s
95th percentile per-packet one-way delay: 150.120 ms
Loss rate: 3.03%
```

Run 1: Report of TCP Cubic — Data Link

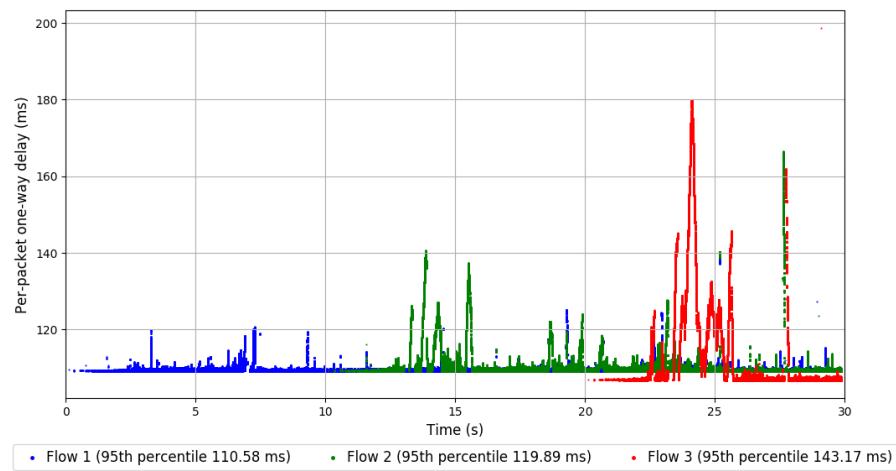
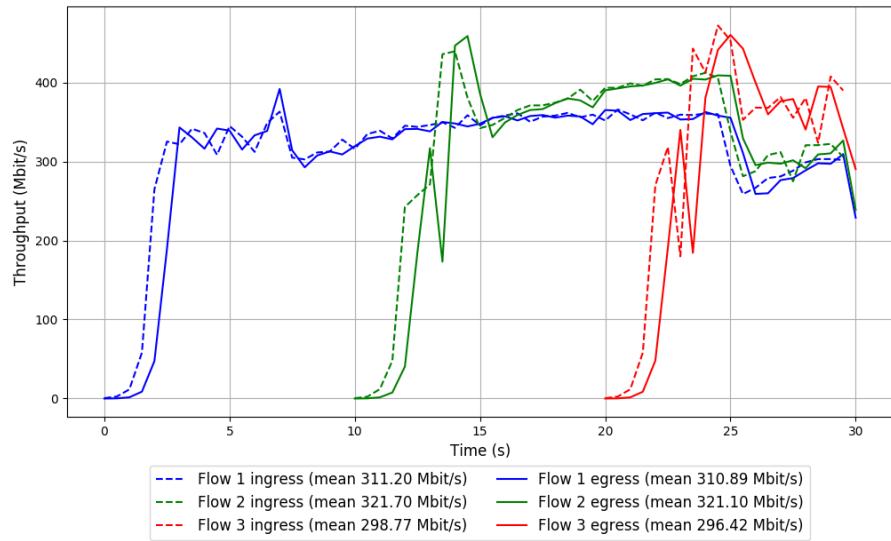


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-12 03:29:46
End at: 2019-07-12 03:30:16
Local clock offset: -0.315 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 621.00 Mbit/s
95th percentile per-packet one-way delay: 120.977 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 310.89 Mbit/s
95th percentile per-packet one-way delay: 110.584 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 321.10 Mbit/s
95th percentile per-packet one-way delay: 119.885 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 296.42 Mbit/s
95th percentile per-packet one-way delay: 143.173 ms
Loss rate: 2.93%
```

Run 2: Report of TCP Cubic — Data Link

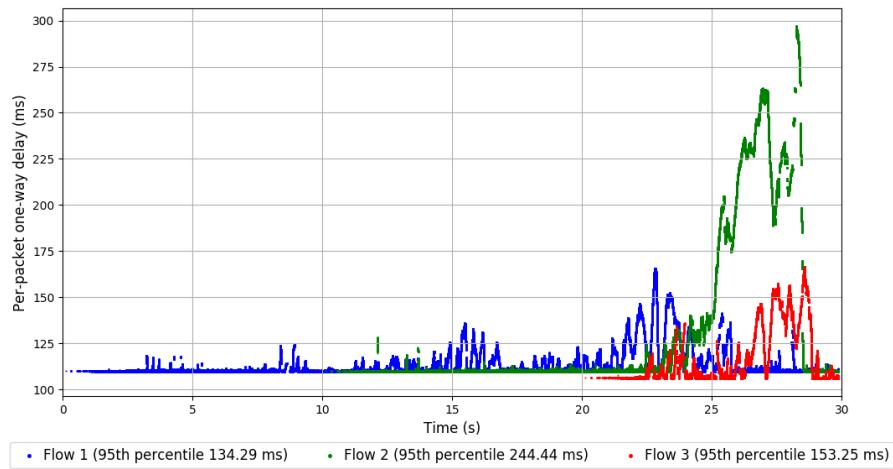
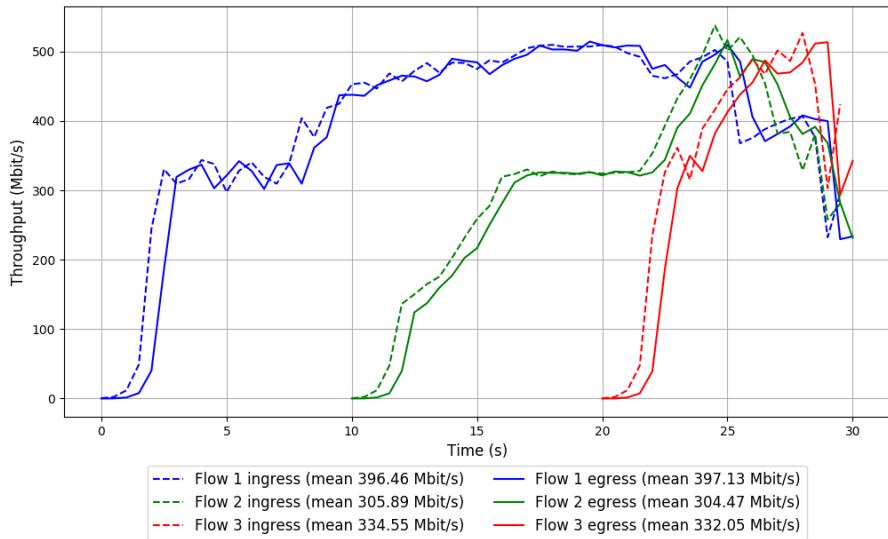


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-12 04:12:29
End at: 2019-07-12 04:12:59
Local clock offset: -0.167 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 707.94 Mbit/s
95th percentile per-packet one-way delay: 198.172 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 397.13 Mbit/s
95th percentile per-packet one-way delay: 134.293 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 304.47 Mbit/s
95th percentile per-packet one-way delay: 244.445 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 332.05 Mbit/s
95th percentile per-packet one-way delay: 153.251 ms
Loss rate: 2.88%
```

Run 3: Report of TCP Cubic — Data Link

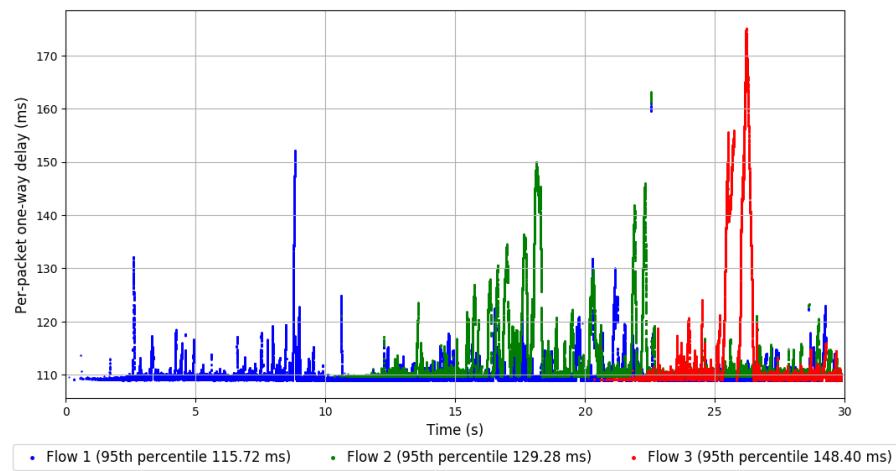
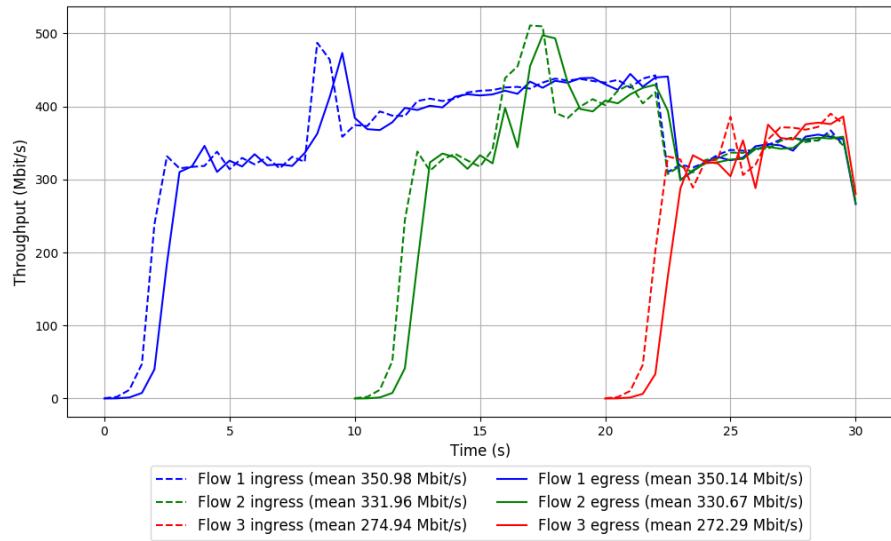


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-12 04:54:19
End at: 2019-07-12 04:54:49
Local clock offset: -0.449 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.67 Mbit/s
95th percentile per-packet one-way delay: 123.675 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 350.14 Mbit/s
95th percentile per-packet one-way delay: 115.723 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 330.67 Mbit/s
95th percentile per-packet one-way delay: 129.280 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 272.29 Mbit/s
95th percentile per-packet one-way delay: 148.403 ms
Loss rate: 3.15%
```

Run 4: Report of TCP Cubic — Data Link

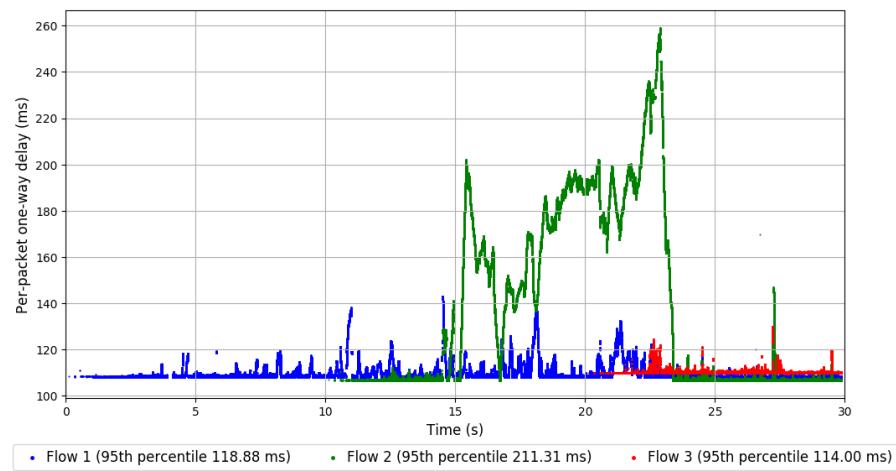
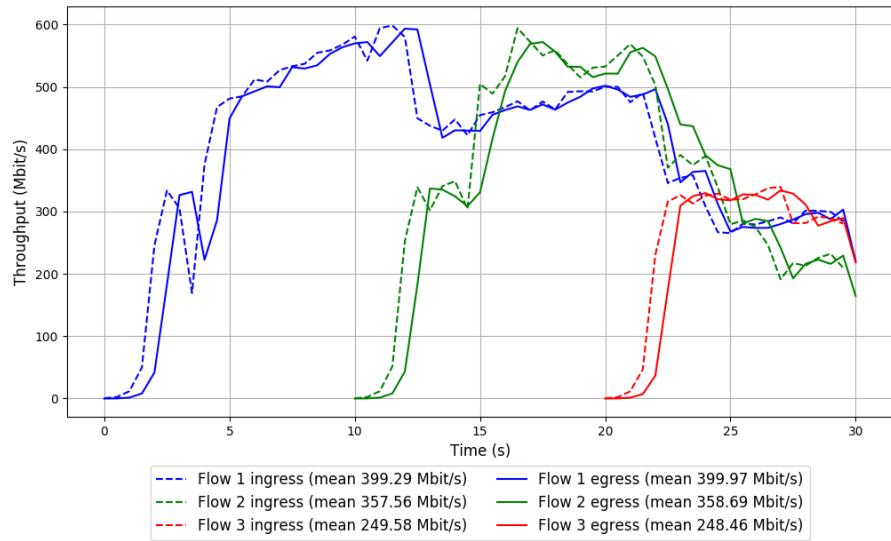


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-12 05:36:08
End at: 2019-07-12 05:36:38
Local clock offset: -0.152 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 719.13 Mbit/s
95th percentile per-packet one-way delay: 192.353 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 399.97 Mbit/s
95th percentile per-packet one-way delay: 118.880 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 358.69 Mbit/s
95th percentile per-packet one-way delay: 211.311 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 248.46 Mbit/s
95th percentile per-packet one-way delay: 114.002 ms
Loss rate: 2.65%
```

Run 5: Report of TCP Cubic — Data Link

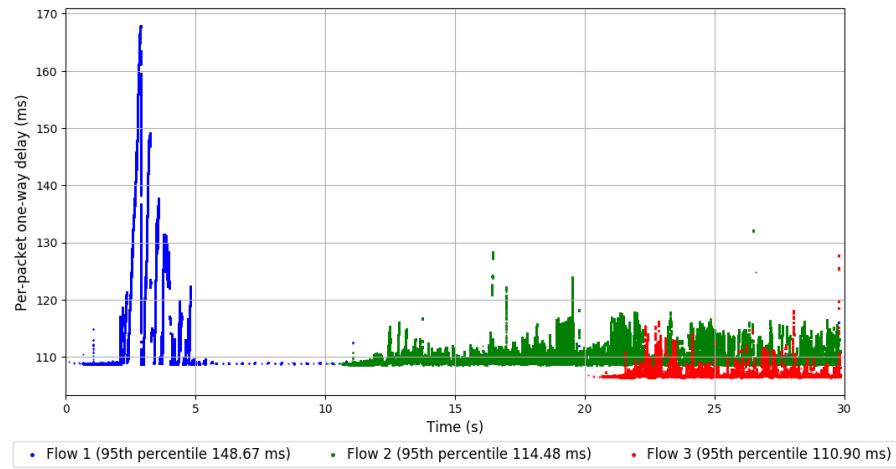
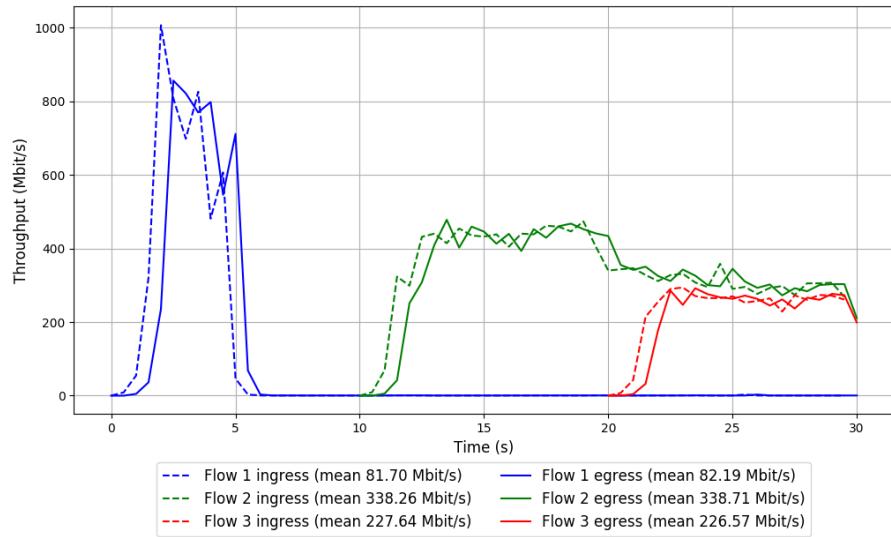


```
Run 1: Statistics of FillP

Start at: 2019-07-12 02:35:43
End at: 2019-07-12 02:36:13
Local clock offset: -0.5 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-07-12 06:34:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.64 Mbit/s
95th percentile per-packet one-way delay: 129.964 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 82.19 Mbit/s
95th percentile per-packet one-way delay: 148.668 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 338.71 Mbit/s
95th percentile per-packet one-way delay: 114.484 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 226.57 Mbit/s
95th percentile per-packet one-way delay: 110.902 ms
Loss rate: 2.64%
```

Run 1: Report of FillP — Data Link

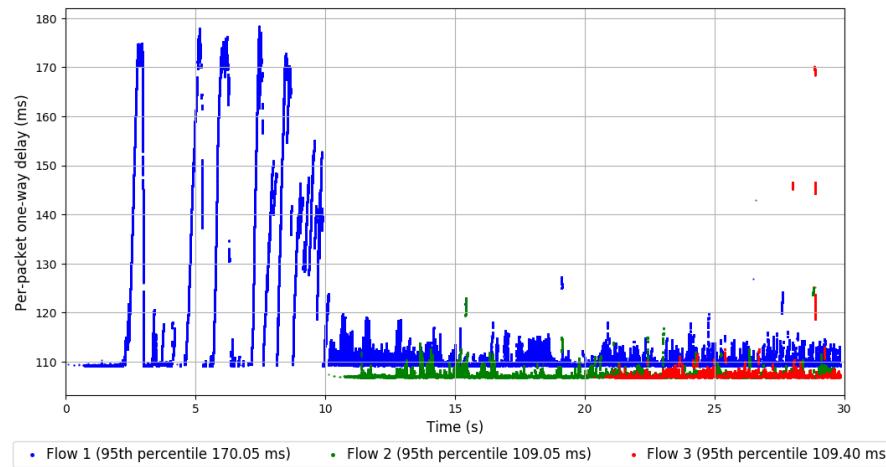
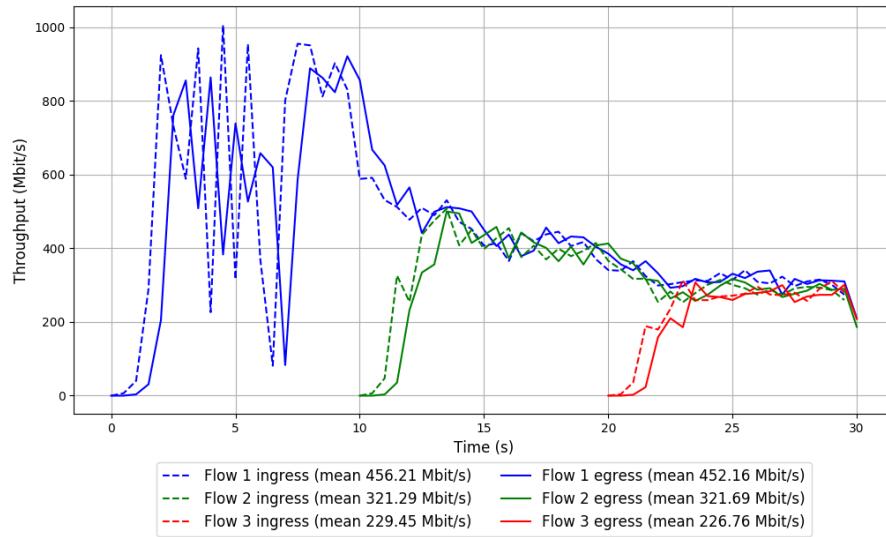


Run 2: Statistics of FillP

```
Start at: 2019-07-12 03:18:13
End at: 2019-07-12 03:18:43
Local clock offset: -0.182 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-07-12 06:46:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 739.24 Mbit/s
95th percentile per-packet one-way delay: 163.085 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 452.16 Mbit/s
95th percentile per-packet one-way delay: 170.052 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 321.69 Mbit/s
95th percentile per-packet one-way delay: 109.046 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 226.76 Mbit/s
95th percentile per-packet one-way delay: 109.401 ms
Loss rate: 3.34%
```

Run 2: Report of FillP — Data Link

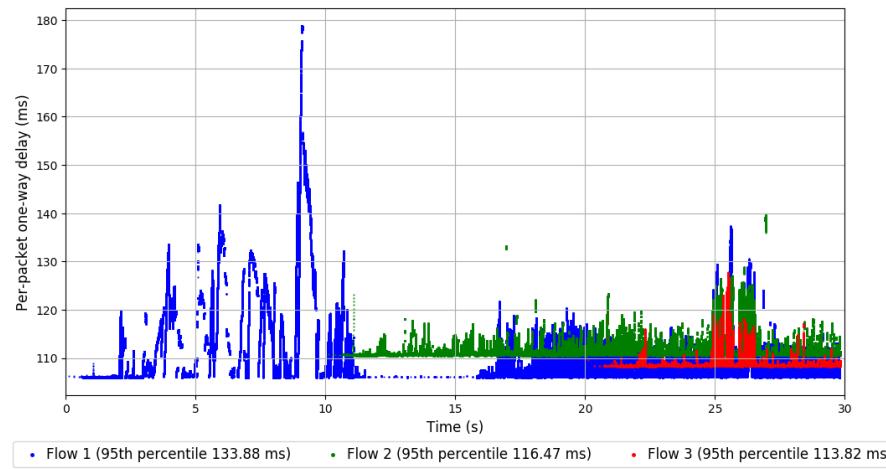
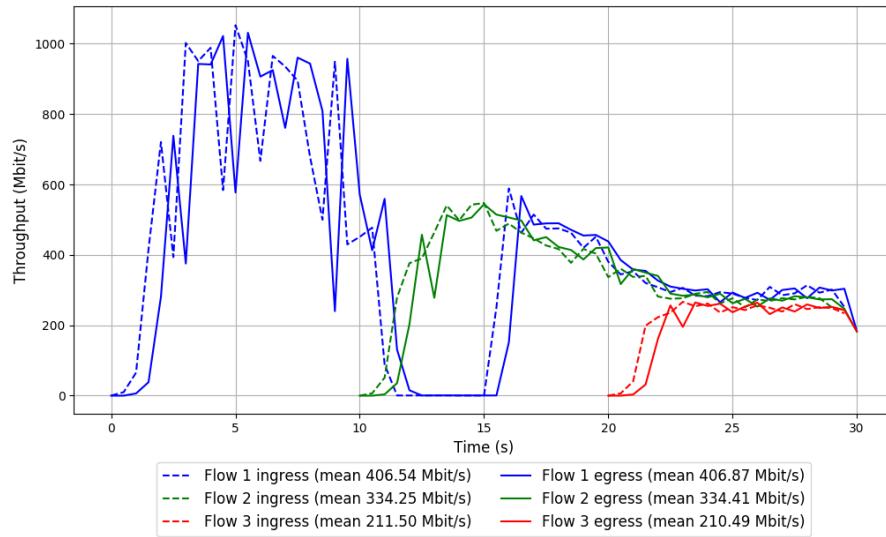


Run 3: Statistics of FillP

```
Start at: 2019-07-12 04:00:54
End at: 2019-07-12 04:01:24
Local clock offset: -0.787 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2019-07-12 06:46:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.97 Mbit/s
95th percentile per-packet one-way delay: 130.016 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 406.87 Mbit/s
95th percentile per-packet one-way delay: 133.877 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 334.41 Mbit/s
95th percentile per-packet one-way delay: 116.474 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 210.49 Mbit/s
95th percentile per-packet one-way delay: 113.822 ms
Loss rate: 2.67%
```

Run 3: Report of FillP — Data Link

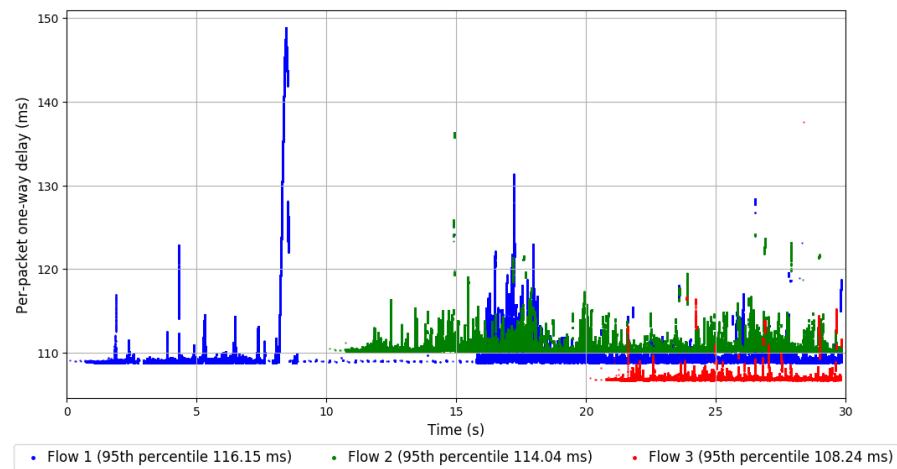
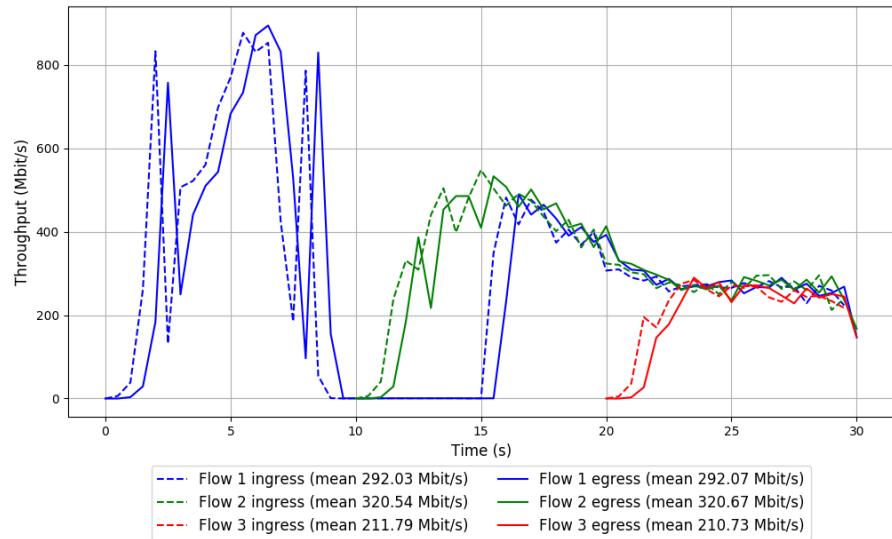


Run 4: Statistics of FillP

```
Start at: 2019-07-12 04:43:15
End at: 2019-07-12 04:43:45
Local clock offset: -0.312 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2019-07-12 06:46:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 573.41 Mbit/s
95th percentile per-packet one-way delay: 114.199 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 292.07 Mbit/s
95th percentile per-packet one-way delay: 116.150 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 320.67 Mbit/s
95th percentile per-packet one-way delay: 114.037 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 210.73 Mbit/s
95th percentile per-packet one-way delay: 108.236 ms
Loss rate: 2.63%
```

Run 4: Report of FillP — Data Link

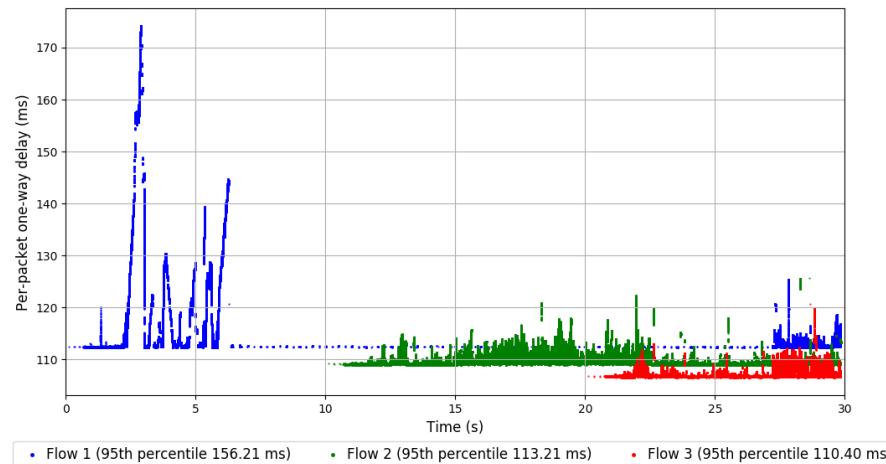
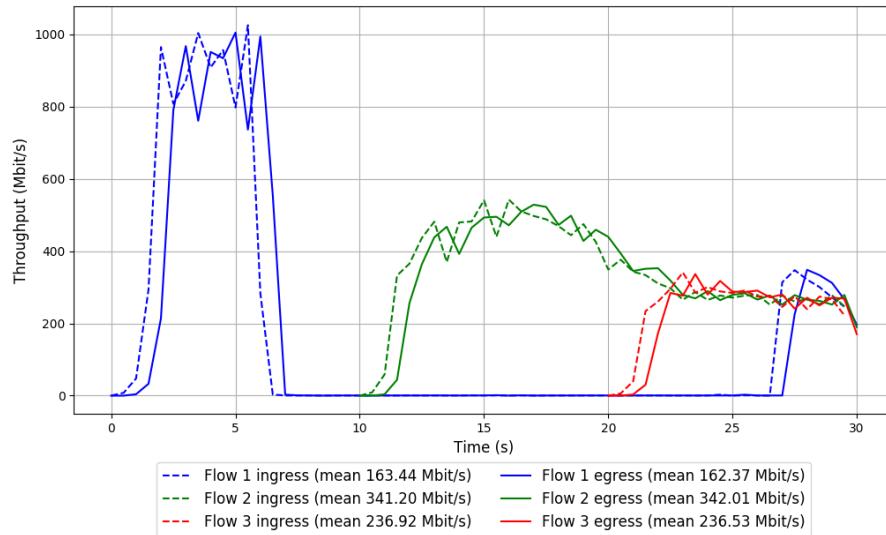


Run 5: Statistics of FillP

```
Start at: 2019-07-12 05:25:03
End at: 2019-07-12 05:25:33
Local clock offset: -0.225 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-07-12 06:46:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.38 Mbit/s
95th percentile per-packet one-way delay: 132.942 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 162.37 Mbit/s
95th percentile per-packet one-way delay: 156.210 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 342.01 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 236.53 Mbit/s
95th percentile per-packet one-way delay: 110.401 ms
Loss rate: 2.34%
```

Run 5: Report of FillP — Data Link

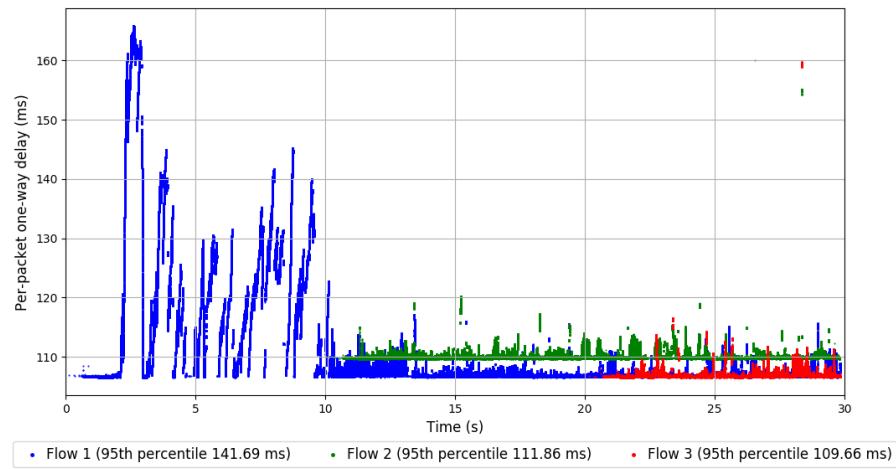
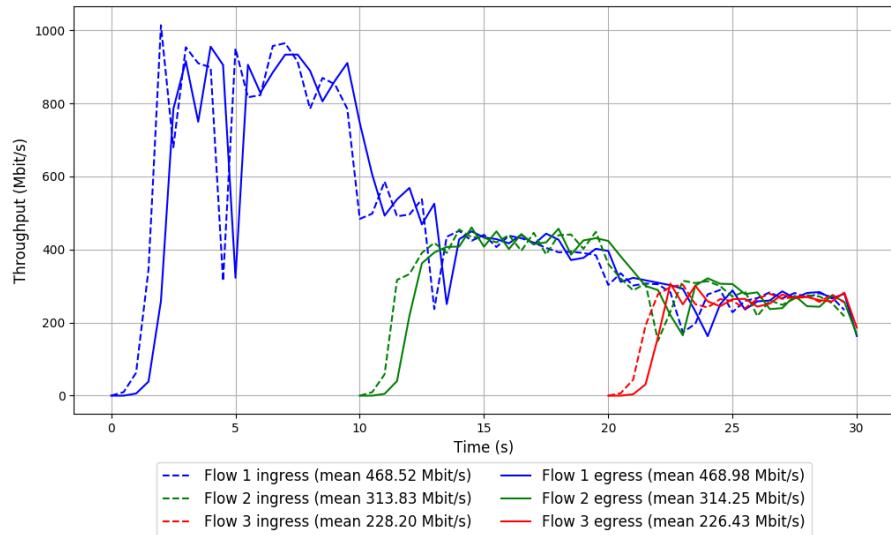


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-12 02:38:43
End at: 2019-07-12 02:39:13
Local clock offset: -0.179 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-07-12 06:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 750.66 Mbit/s
95th percentile per-packet one-way delay: 134.836 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 468.98 Mbit/s
95th percentile per-packet one-way delay: 141.689 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 314.25 Mbit/s
95th percentile per-packet one-way delay: 111.858 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 226.43 Mbit/s
95th percentile per-packet one-way delay: 109.660 ms
Loss rate: 2.98%
```

Run 1: Report of FillP-Sheep — Data Link

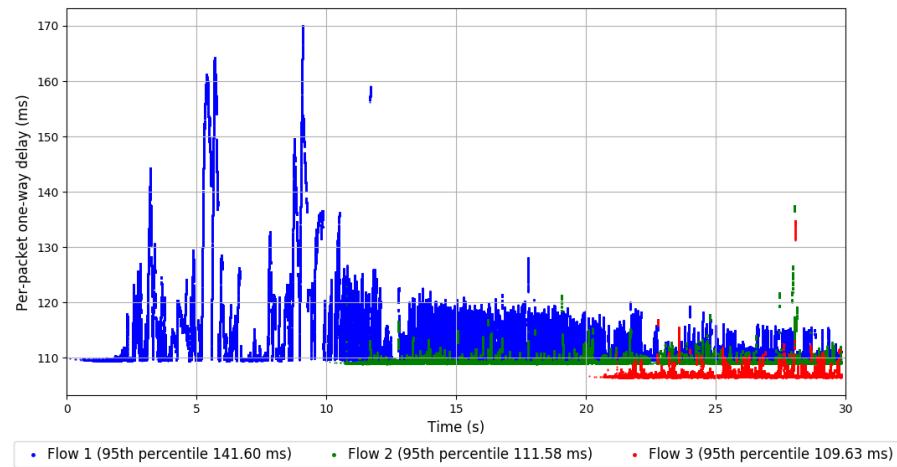
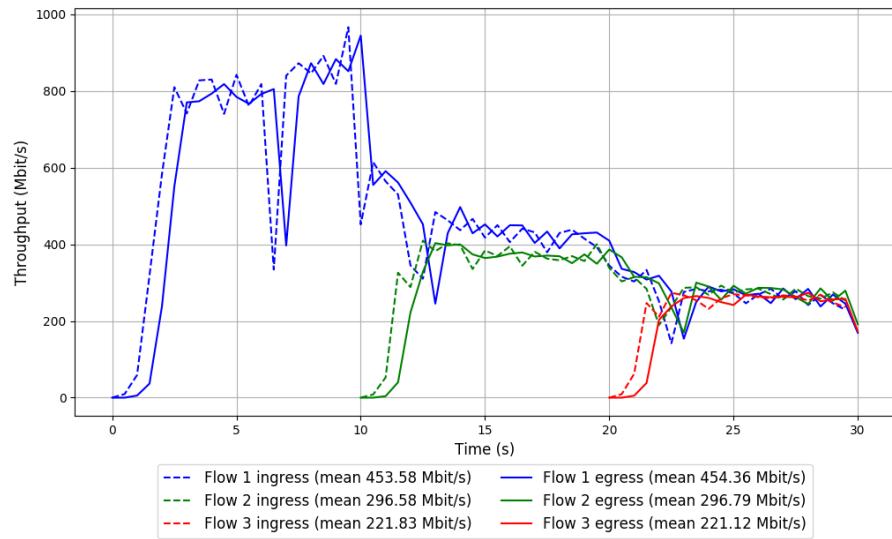


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-12 03:21:30
End at: 2019-07-12 03:22:00
Local clock offset: -0.419 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2019-07-12 06:49:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 723.23 Mbit/s
95th percentile per-packet one-way delay: 134.163 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 454.36 Mbit/s
95th percentile per-packet one-way delay: 141.605 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 296.79 Mbit/s
95th percentile per-packet one-way delay: 111.582 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 221.12 Mbit/s
95th percentile per-packet one-way delay: 109.628 ms
Loss rate: 2.66%
```

Run 2: Report of FillP-Sheep — Data Link

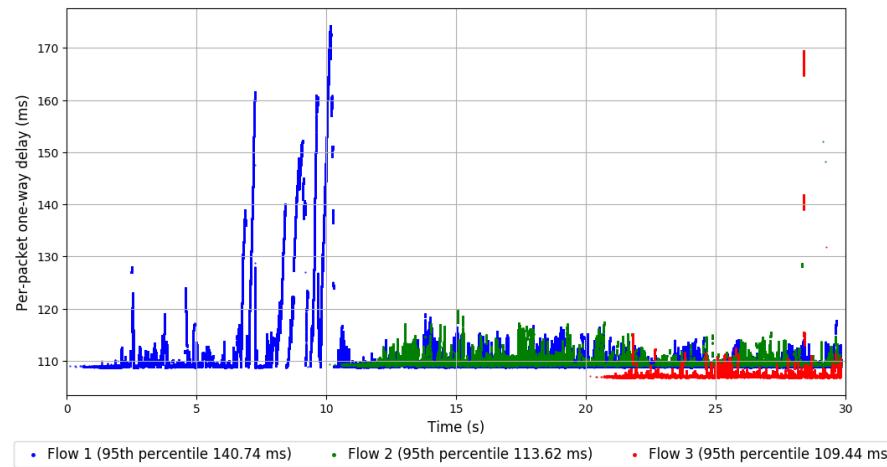
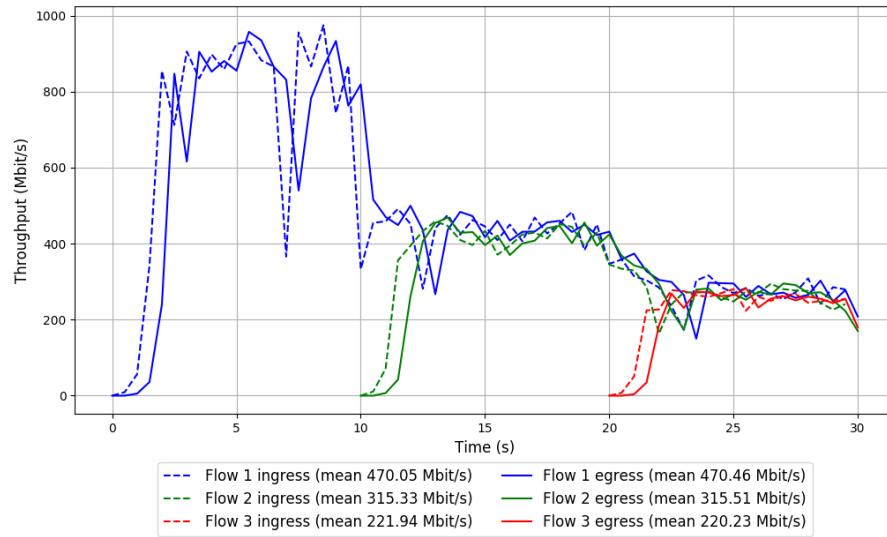


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-12 04:04:09
End at: 2019-07-12 04:04:39
Local clock offset: -0.132 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2019-07-12 06:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 751.36 Mbit/s
95th percentile per-packet one-way delay: 132.053 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 470.46 Mbit/s
95th percentile per-packet one-way delay: 140.736 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 315.51 Mbit/s
95th percentile per-packet one-way delay: 113.623 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 220.23 Mbit/s
95th percentile per-packet one-way delay: 109.443 ms
Loss rate: 2.92%
```

Run 3: Report of FillP-Sheep — Data Link

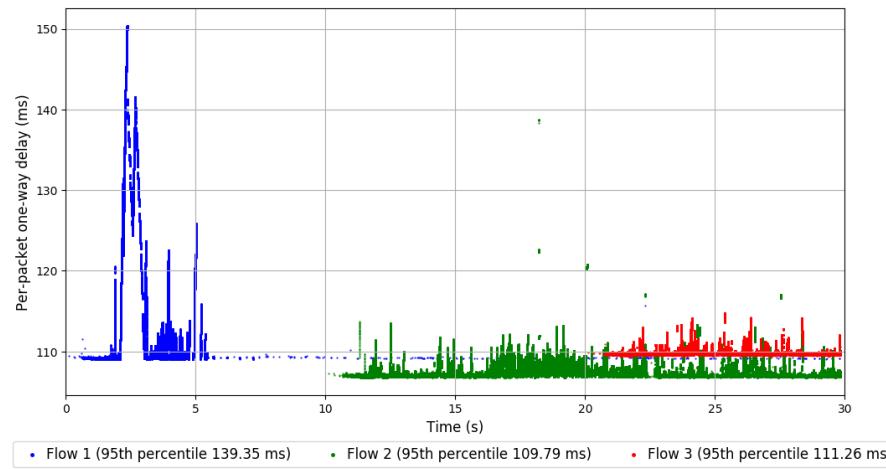
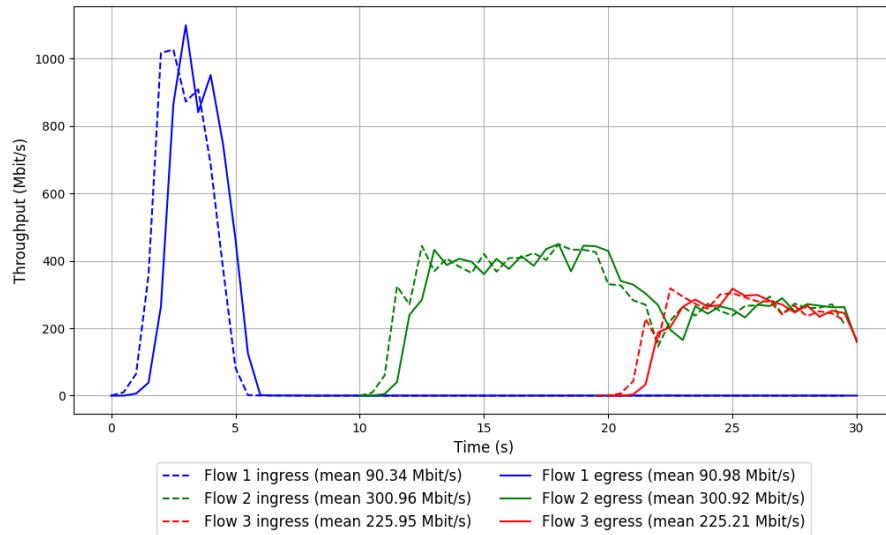


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-12 04:46:23
End at: 2019-07-12 04:46:53
Local clock offset: -0.321 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-12 06:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.17 Mbit/s
95th percentile per-packet one-way delay: 128.546 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 139.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 300.92 Mbit/s
95th percentile per-packet one-way delay: 109.790 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 225.21 Mbit/s
95th percentile per-packet one-way delay: 111.262 ms
Loss rate: 2.51%
```

Run 4: Report of FillP-Sheep — Data Link

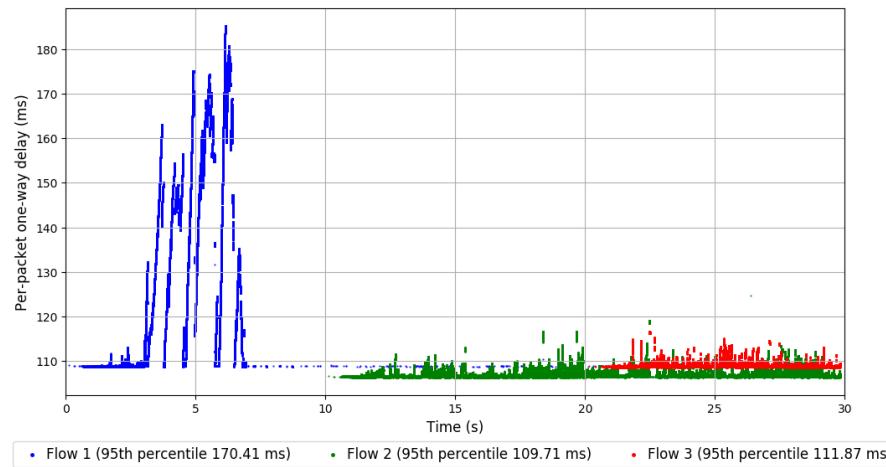
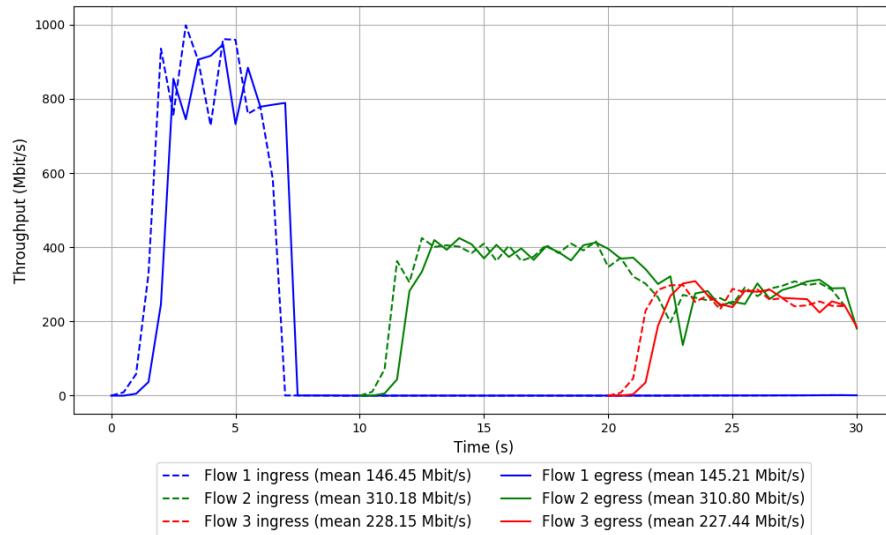


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-12 05:28:07
End at: 2019-07-12 05:28:37
Local clock offset: -0.453 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-07-12 06:51:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.26 Mbit/s
95th percentile per-packet one-way delay: 160.826 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 145.21 Mbit/s
95th percentile per-packet one-way delay: 170.412 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 310.80 Mbit/s
95th percentile per-packet one-way delay: 109.708 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 227.44 Mbit/s
95th percentile per-packet one-way delay: 111.872 ms
Loss rate: 2.48%
```

Run 5: Report of FillP-Sheep — Data Link

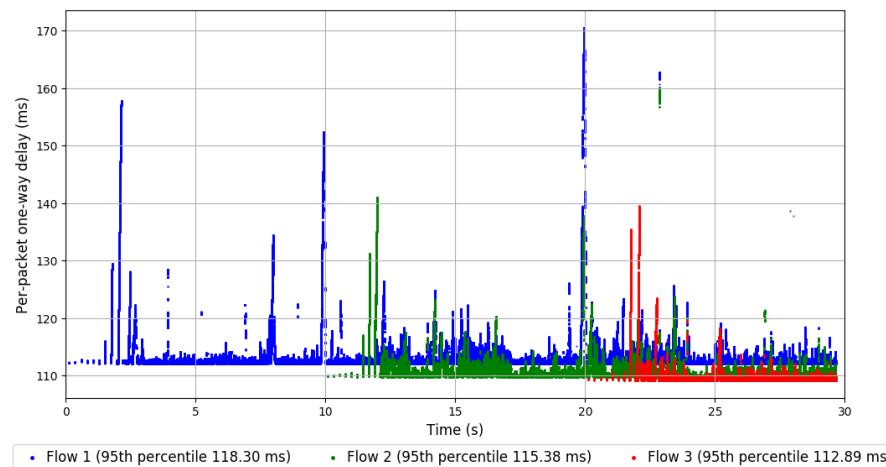
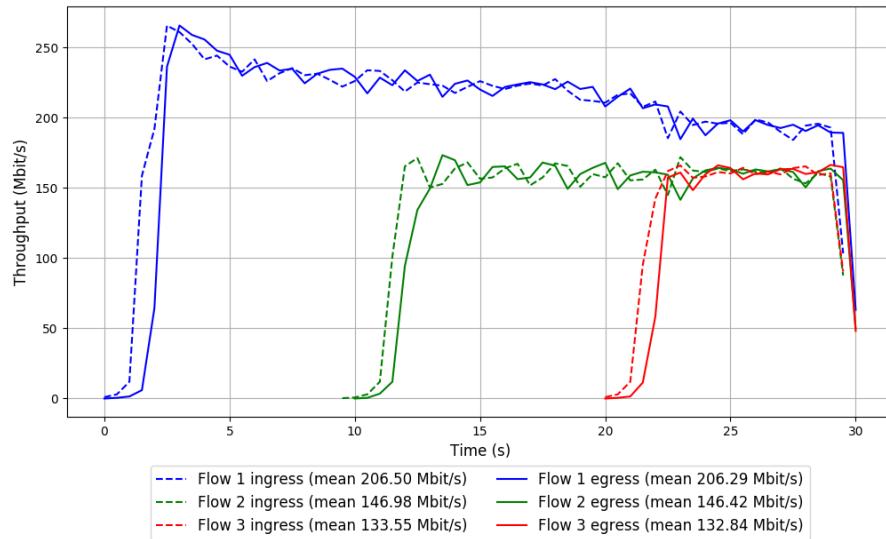


Run 1: Statistics of Indigo

```
Start at: 2019-07-12 02:52:18
End at: 2019-07-12 02:52:48
Local clock offset: -0.053 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-07-12 06:55:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.20 Mbit/s
95th percentile per-packet one-way delay: 117.085 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 206.29 Mbit/s
95th percentile per-packet one-way delay: 118.296 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 146.42 Mbit/s
95th percentile per-packet one-way delay: 115.379 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 132.84 Mbit/s
95th percentile per-packet one-way delay: 112.894 ms
Loss rate: 2.75%
```

Run 1: Report of Indigo — Data Link

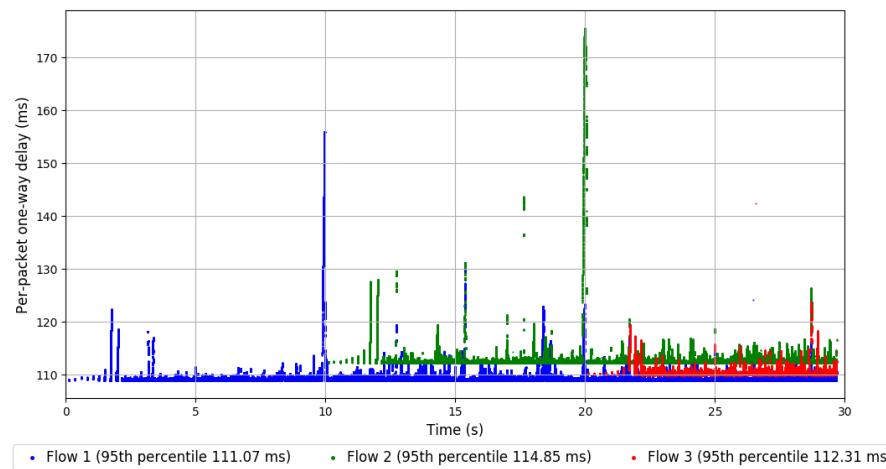
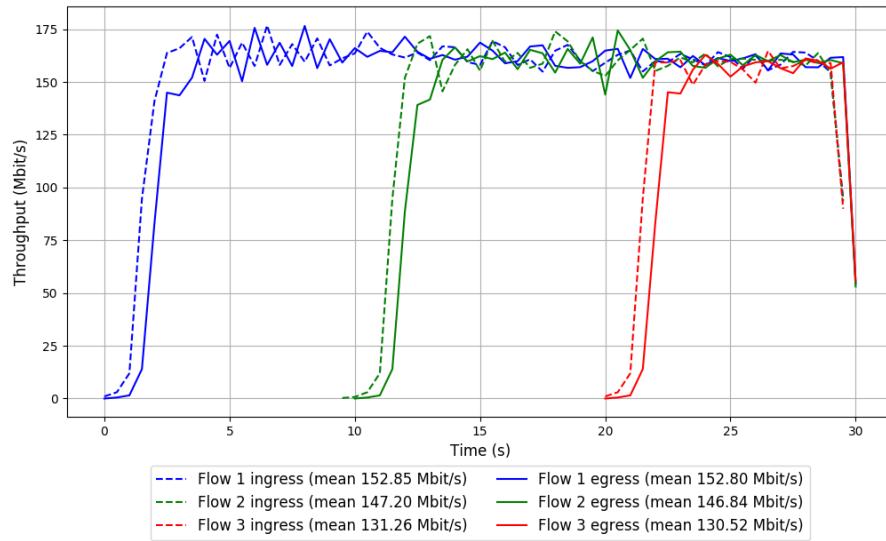


Run 2: Statistics of Indigo

```
Start at: 2019-07-12 03:34:54
End at: 2019-07-12 03:35:24
Local clock offset: -0.314 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-07-12 06:55:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.24 Mbit/s
95th percentile per-packet one-way delay: 113.439 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 152.80 Mbit/s
95th percentile per-packet one-way delay: 111.070 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 146.84 Mbit/s
95th percentile per-packet one-way delay: 114.847 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 130.52 Mbit/s
95th percentile per-packet one-way delay: 112.312 ms
Loss rate: 2.72%
```

Run 2: Report of Indigo — Data Link

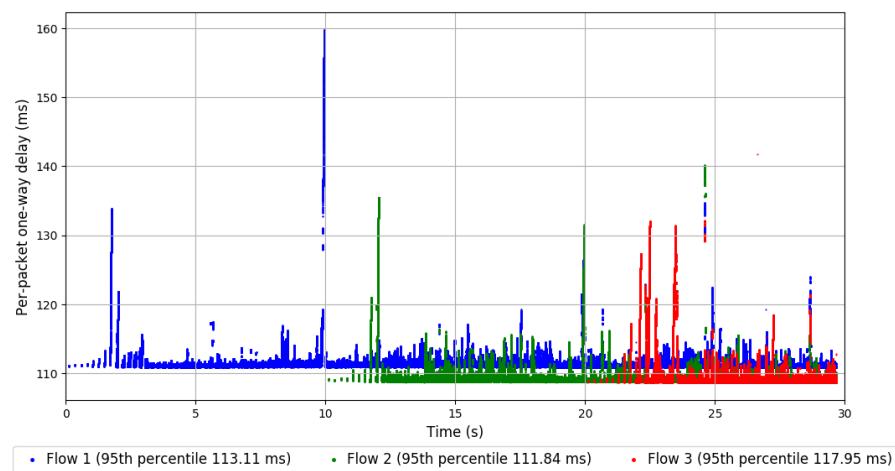
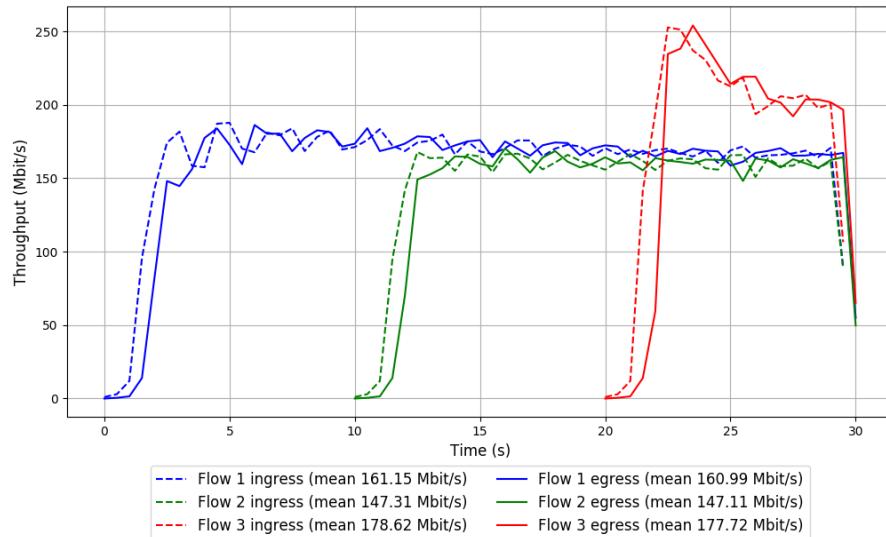


Run 3: Statistics of Indigo

```
Start at: 2019-07-12 04:17:47
End at: 2019-07-12 04:18:17
Local clock offset: -0.392 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-07-12 06:56:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 315.65 Mbit/s
95th percentile per-packet one-way delay: 113.038 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 160.99 Mbit/s
95th percentile per-packet one-way delay: 113.108 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 147.11 Mbit/s
95th percentile per-packet one-way delay: 111.836 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 177.72 Mbit/s
95th percentile per-packet one-way delay: 117.953 ms
Loss rate: 2.69%
```

Run 3: Report of Indigo — Data Link

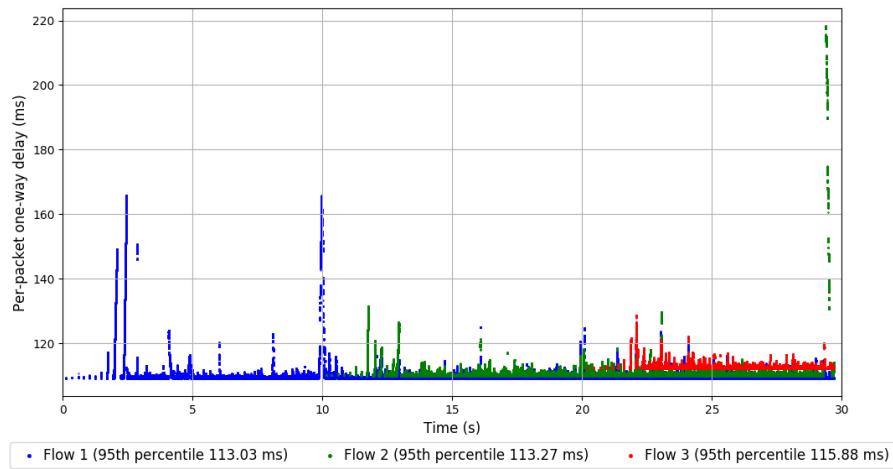
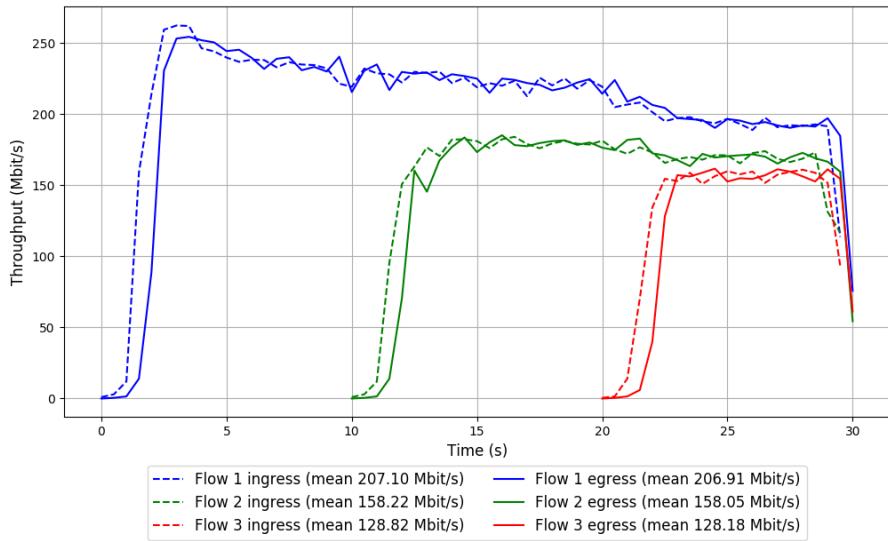


Run 4: Statistics of Indigo

```
Start at: 2019-07-12 04:59:29
End at: 2019-07-12 04:59:59
Local clock offset: -0.452 ms
Remote clock offset: -0.423 ms

# Below is generated by plot.py at 2019-07-12 06:58:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.55 Mbit/s
95th percentile per-packet one-way delay: 113.735 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 206.91 Mbit/s
95th percentile per-packet one-way delay: 113.034 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 158.05 Mbit/s
95th percentile per-packet one-way delay: 113.272 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 128.18 Mbit/s
95th percentile per-packet one-way delay: 115.878 ms
Loss rate: 2.77%
```

Run 4: Report of Indigo — Data Link

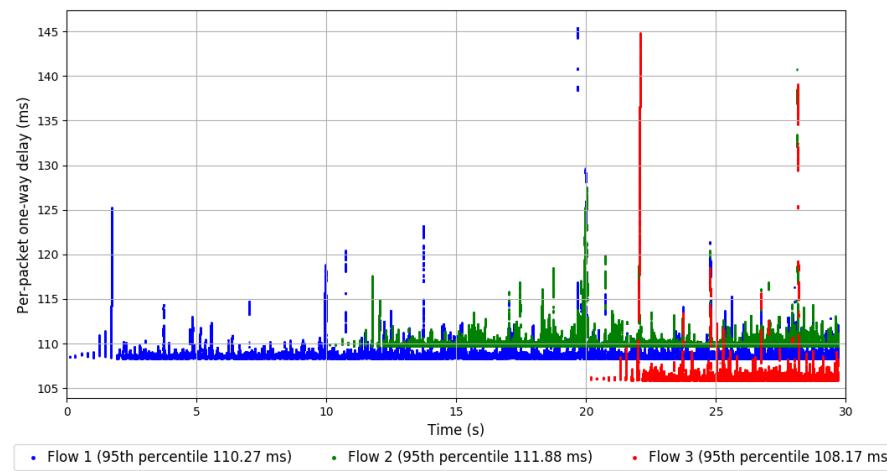
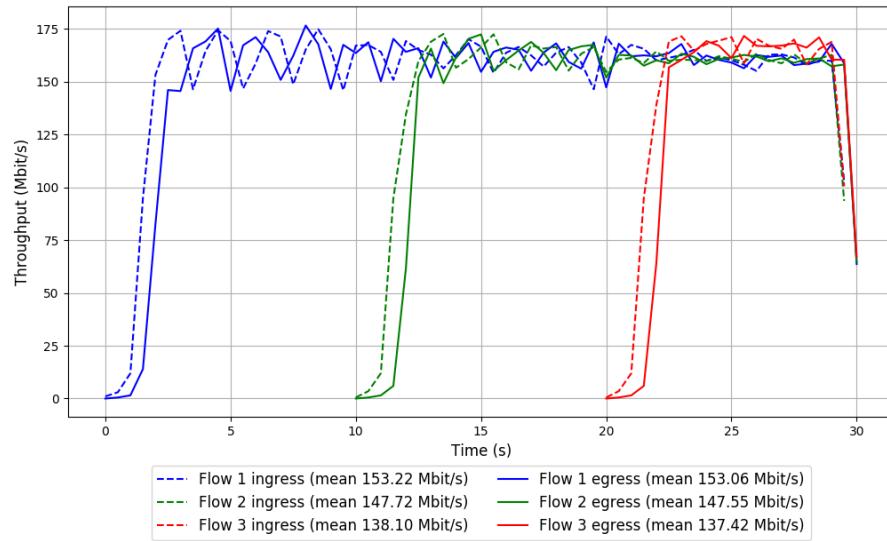


Run 5: Statistics of Indigo

```
Start at: 2019-07-12 05:41:22
End at: 2019-07-12 05:41:52
Local clock offset: -0.16 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-07-12 06:58:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.83 Mbit/s
95th percentile per-packet one-way delay: 111.066 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 153.06 Mbit/s
95th percentile per-packet one-way delay: 110.269 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 111.878 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 137.42 Mbit/s
95th percentile per-packet one-way delay: 108.173 ms
Loss rate: 2.67%
```

Run 5: Report of Indigo — Data Link

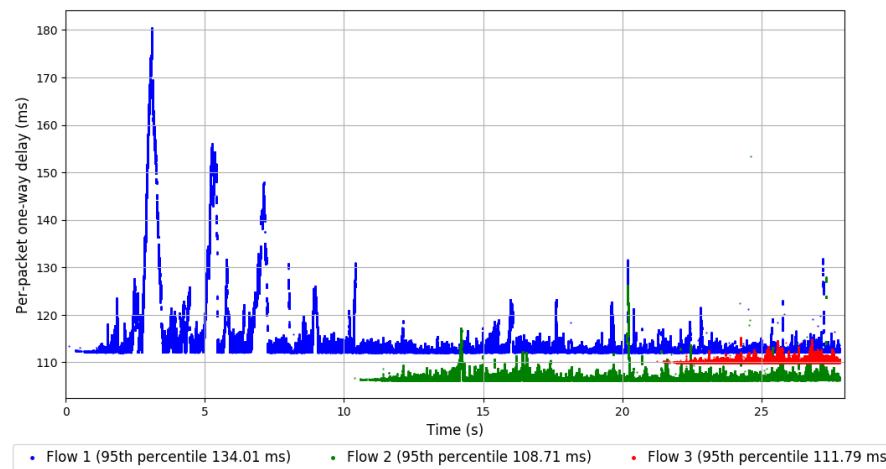
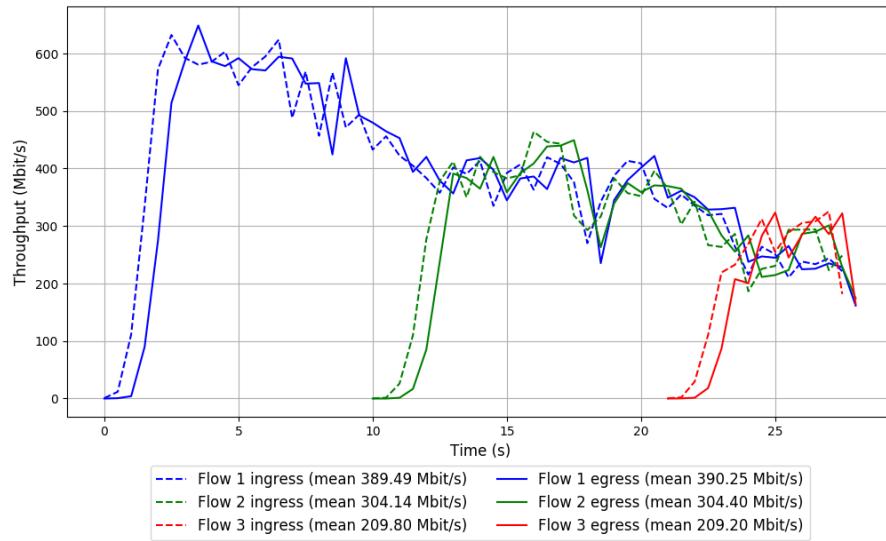


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 02:56:01
End at: 2019-07-12 02:56:31
Local clock offset: -0.131 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2019-07-12 07:01:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.24 Mbit/s
95th percentile per-packet one-way delay: 125.260 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 390.25 Mbit/s
95th percentile per-packet one-way delay: 134.015 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 304.40 Mbit/s
95th percentile per-packet one-way delay: 108.713 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 209.20 Mbit/s
95th percentile per-packet one-way delay: 111.792 ms
Loss rate: 3.52%
```

Run 1: Report of Indigo-MusesC3 — Data Link

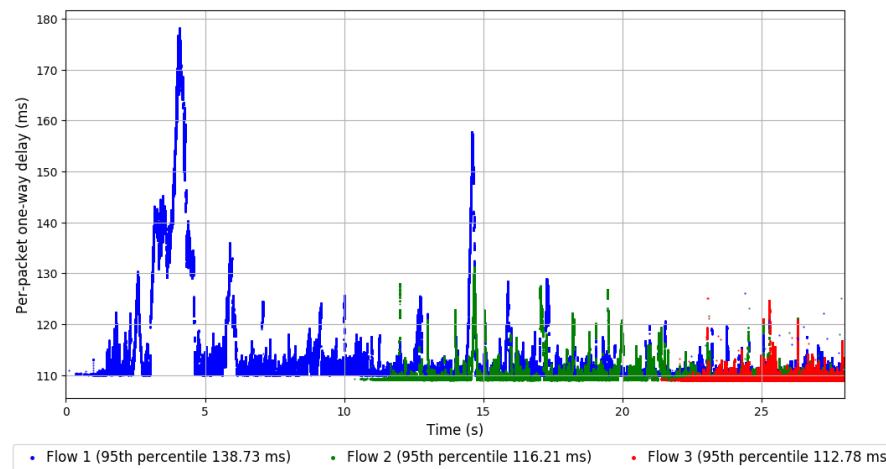
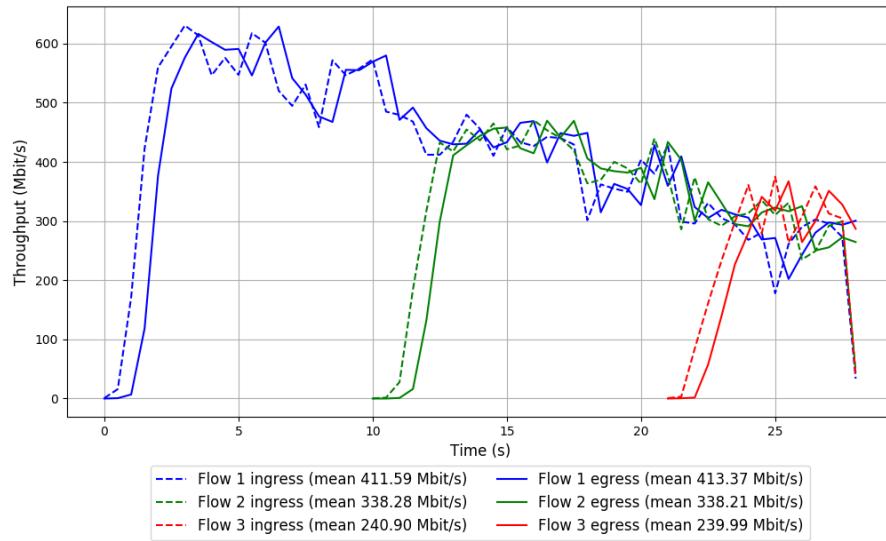


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 03:38:33
End at: 2019-07-12 03:39:03
Local clock offset: -0.277 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-07-12 07:03:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 685.47 Mbit/s
95th percentile per-packet one-way delay: 131.796 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 413.37 Mbit/s
95th percentile per-packet one-way delay: 138.734 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 338.21 Mbit/s
95th percentile per-packet one-way delay: 116.213 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 239.99 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 3.59%
```

Run 2: Report of Indigo-MusesC3 — Data Link

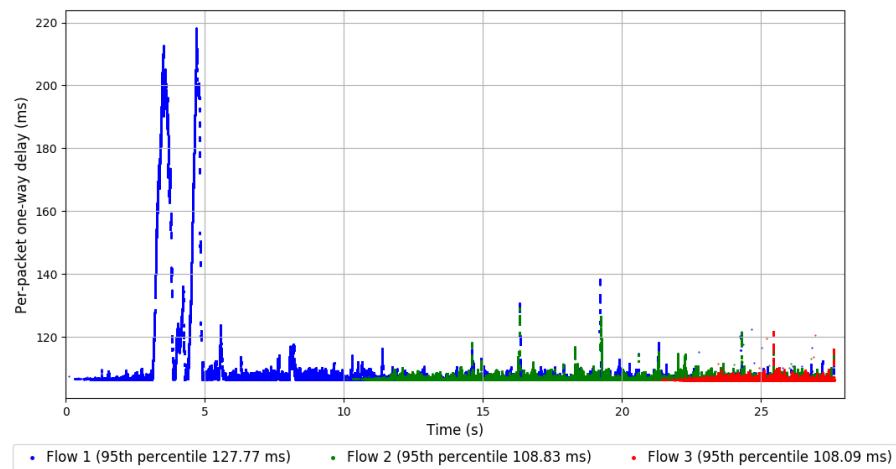
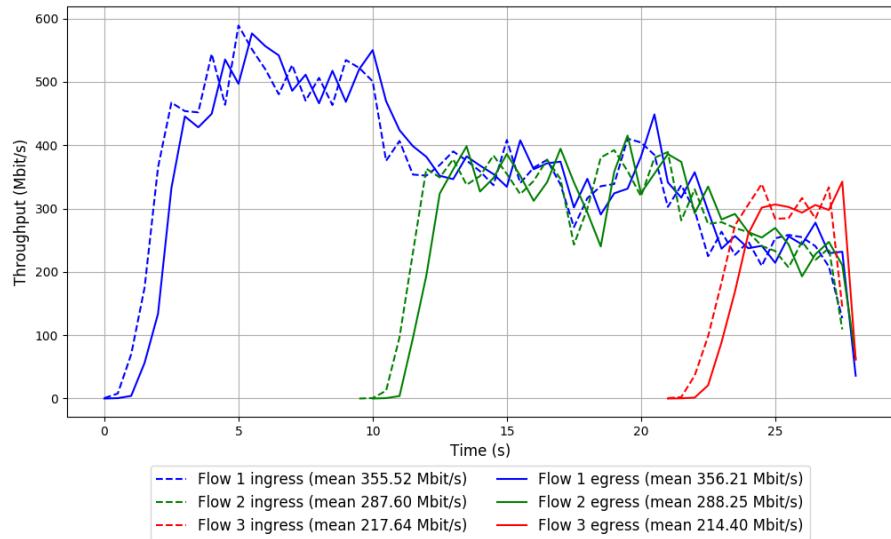


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 04:21:22
End at: 2019-07-12 04:21:52
Local clock offset: -0.653 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2019-07-12 07:03:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 589.63 Mbit/s
95th percentile per-packet one-way delay: 115.534 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 356.21 Mbit/s
95th percentile per-packet one-way delay: 127.770 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 288.25 Mbit/s
95th percentile per-packet one-way delay: 108.835 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 214.40 Mbit/s
95th percentile per-packet one-way delay: 108.090 ms
Loss rate: 4.67%
```

Run 3: Report of Indigo-MusesC3 — Data Link

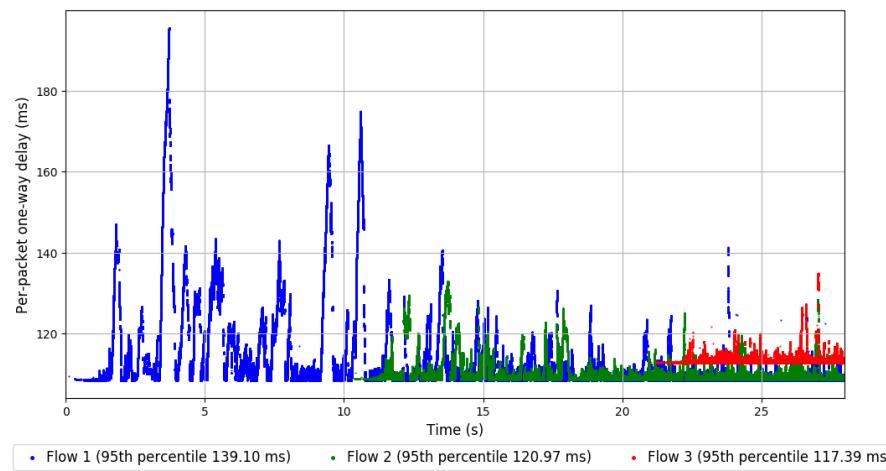
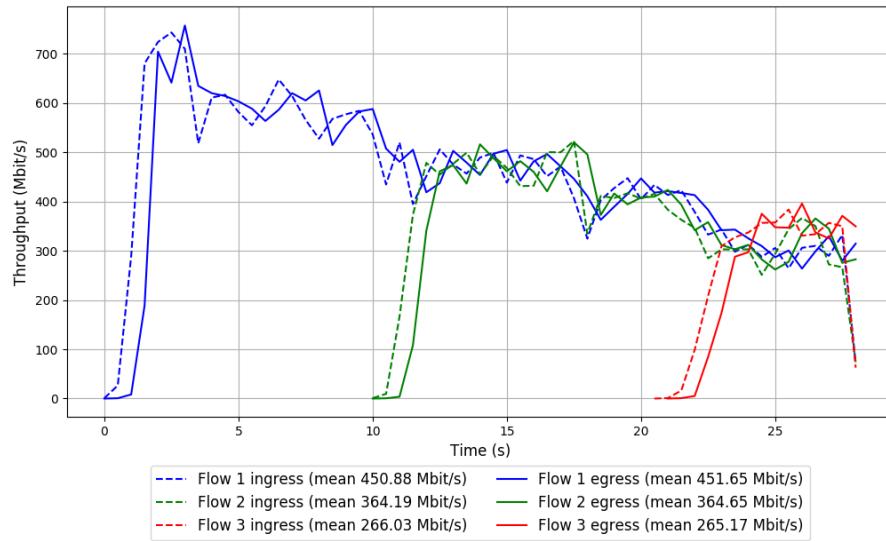


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 05:03:11
End at: 2019-07-12 05:03:41
Local clock offset: -0.615 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-07-12 07:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 751.14 Mbit/s
95th percentile per-packet one-way delay: 132.399 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 451.65 Mbit/s
95th percentile per-packet one-way delay: 139.096 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 364.65 Mbit/s
95th percentile per-packet one-way delay: 120.971 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 265.17 Mbit/s
95th percentile per-packet one-way delay: 117.395 ms
Loss rate: 3.43%
```

Run 4: Report of Indigo-MusesC3 — Data Link

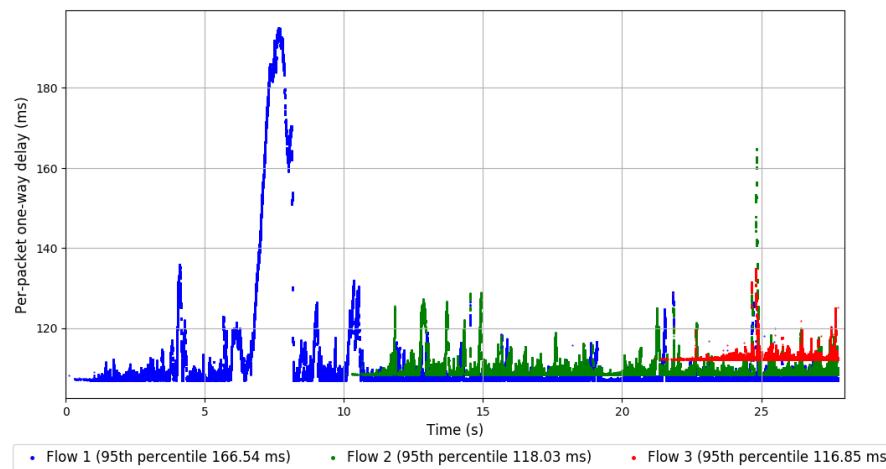
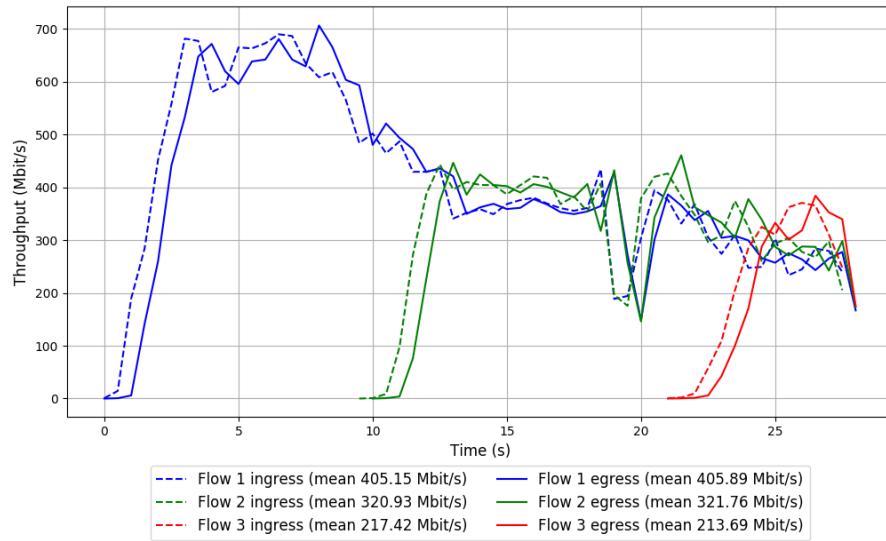


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 05:44:55
End at: 2019-07-12 05:45:25
Local clock offset: 0.056 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-07-12 07:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.58 Mbit/s
95th percentile per-packet one-way delay: 131.859 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 405.89 Mbit/s
95th percentile per-packet one-way delay: 166.543 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 321.76 Mbit/s
95th percentile per-packet one-way delay: 118.035 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 213.69 Mbit/s
95th percentile per-packet one-way delay: 116.848 ms
Loss rate: 5.01%
```

Run 5: Report of Indigo-MusesC3 — Data Link

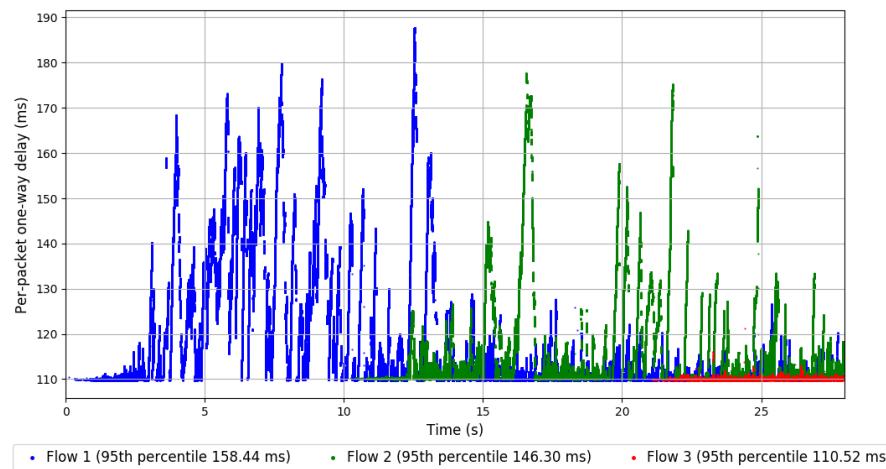
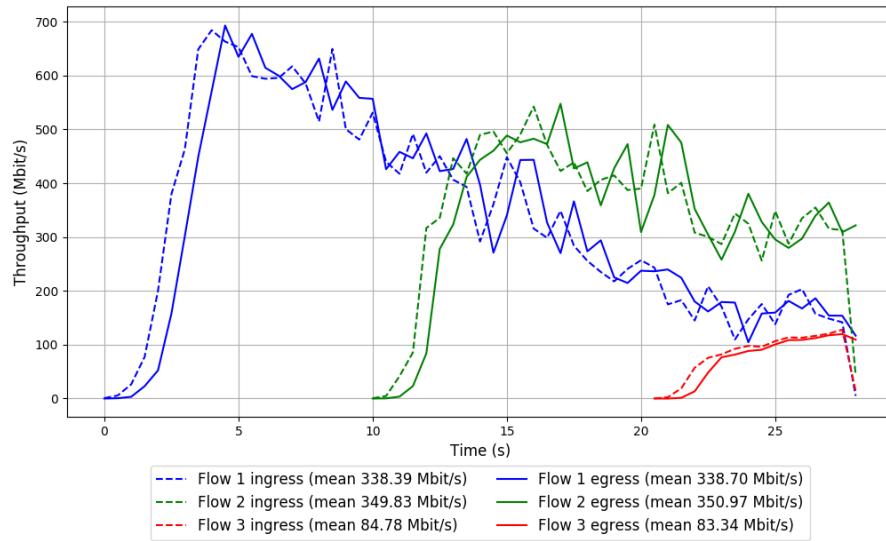


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 02:40:36
End at: 2019-07-12 02:41:06
Local clock offset: -0.137 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-07-12 07:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 583.08 Mbit/s
95th percentile per-packet one-way delay: 155.878 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 338.70 Mbit/s
95th percentile per-packet one-way delay: 158.445 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 350.97 Mbit/s
95th percentile per-packet one-way delay: 146.304 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 110.516 ms
Loss rate: 4.71%
```

Run 1: Report of Indigo-MusesC5 — Data Link

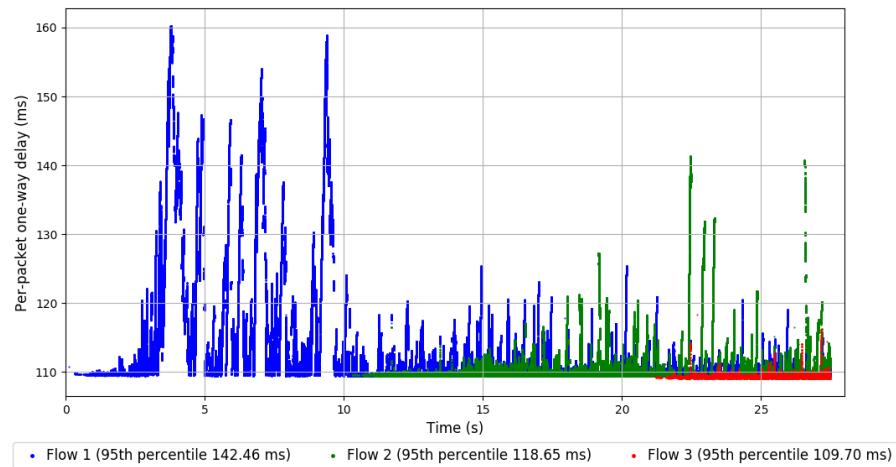
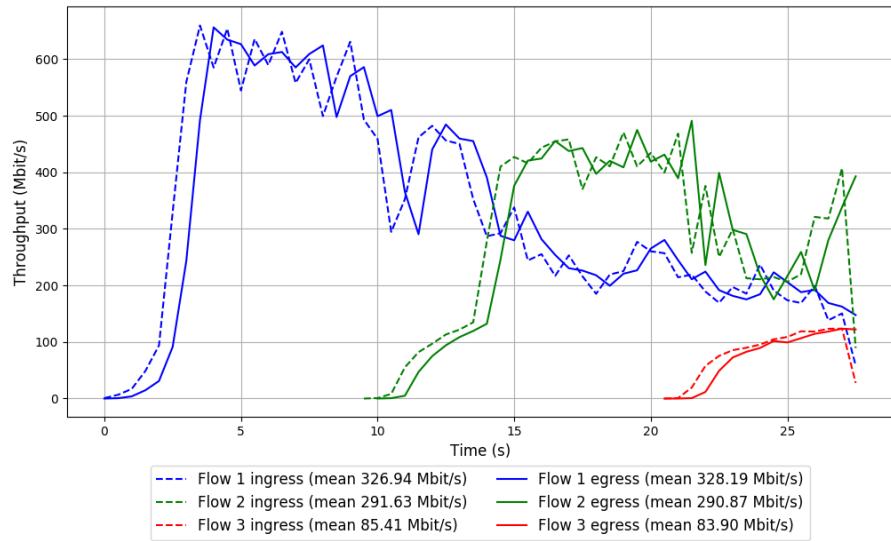


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 03:23:23
End at: 2019-07-12 03:23:53
Local clock offset: -0.266 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2019-07-12 07:08:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.72 Mbit/s
95th percentile per-packet one-way delay: 137.778 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 328.19 Mbit/s
95th percentile per-packet one-way delay: 142.455 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 290.87 Mbit/s
95th percentile per-packet one-way delay: 118.646 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 109.704 ms
Loss rate: 4.99%
```

Run 2: Report of Indigo-MusesC5 — Data Link

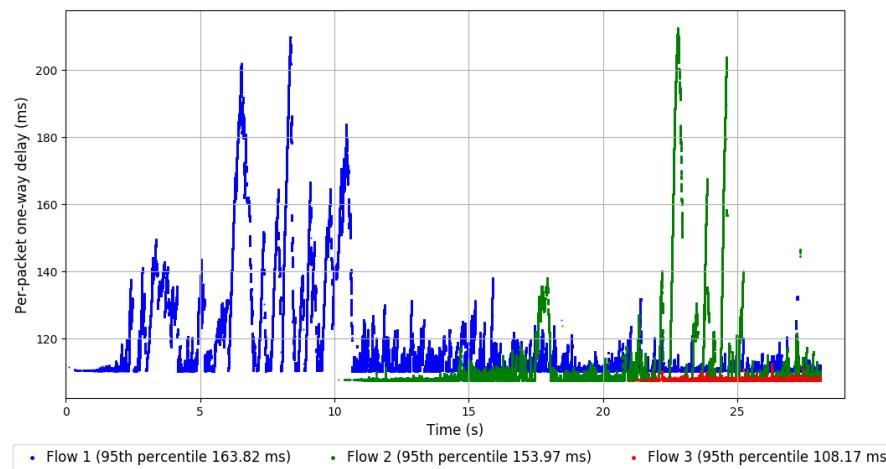
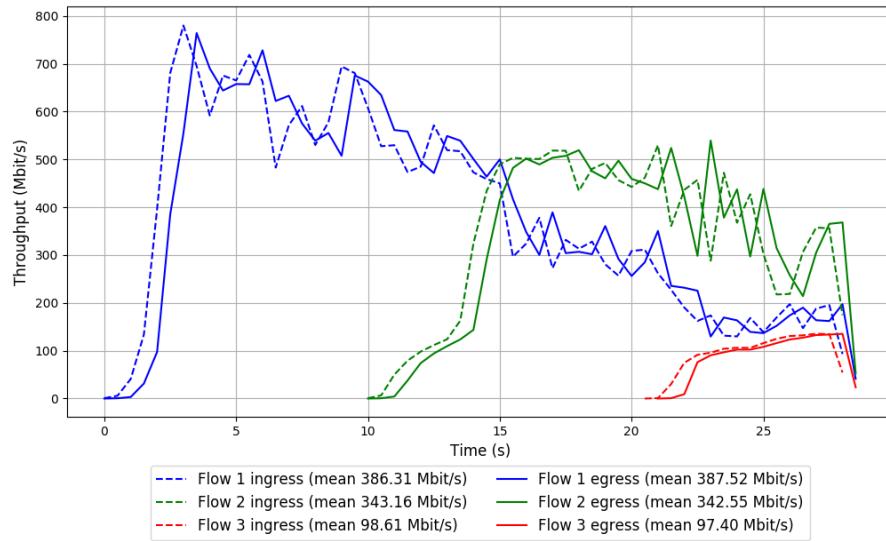


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 04:06:02
End at: 2019-07-12 04:06:32
Local clock offset: 0.669 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-07-12 07:10:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.67 Mbit/s
95th percentile per-packet one-way delay: 161.142 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 387.52 Mbit/s
95th percentile per-packet one-way delay: 163.824 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 342.55 Mbit/s
95th percentile per-packet one-way delay: 153.972 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 108.170 ms
Loss rate: 4.17%
```

Run 3: Report of Indigo-MusesC5 — Data Link

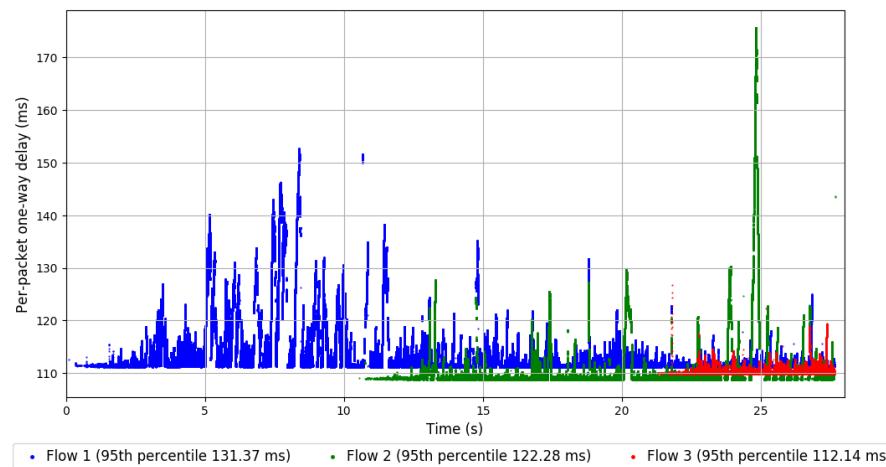
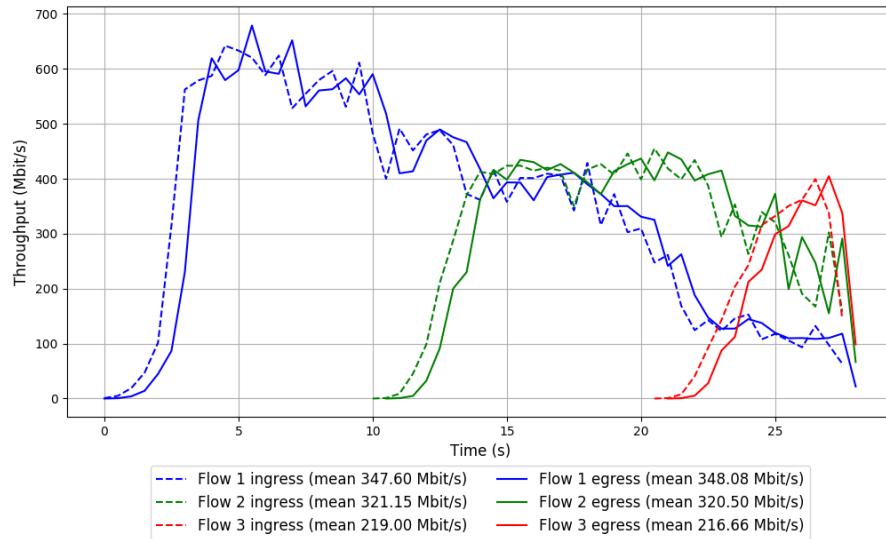


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 04:47:59
End at: 2019-07-12 04:48:29
Local clock offset: -0.298 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-12 07:12:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 598.70 Mbit/s
95th percentile per-packet one-way delay: 127.864 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 348.08 Mbit/s
95th percentile per-packet one-way delay: 131.368 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 320.50 Mbit/s
95th percentile per-packet one-way delay: 122.279 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 216.66 Mbit/s
95th percentile per-packet one-way delay: 112.140 ms
Loss rate: 4.25%
```

Run 4: Report of Indigo-MusesC5 — Data Link

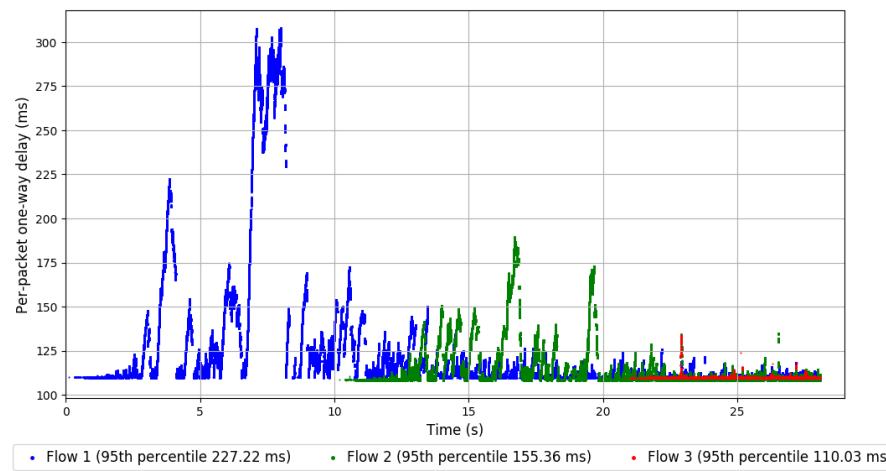
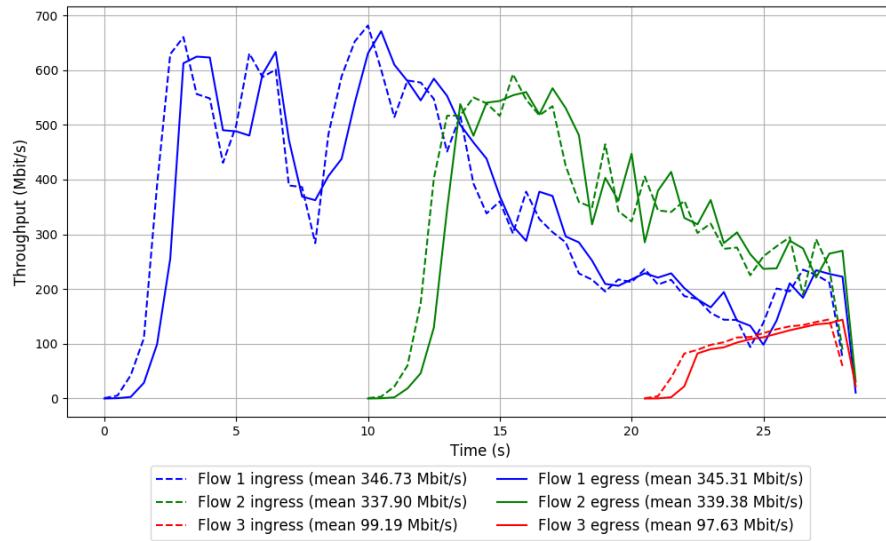


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 05:29:46
End at: 2019-07-12 05:30:16
Local clock offset: -0.255 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-07-12 07:12:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 587.90 Mbit/s
95th percentile per-packet one-way delay: 176.735 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 345.31 Mbit/s
95th percentile per-packet one-way delay: 227.225 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 339.38 Mbit/s
95th percentile per-packet one-way delay: 155.357 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 97.63 Mbit/s
95th percentile per-packet one-way delay: 110.027 ms
Loss rate: 4.59%
```

Run 5: Report of Indigo-MusesC5 — Data Link

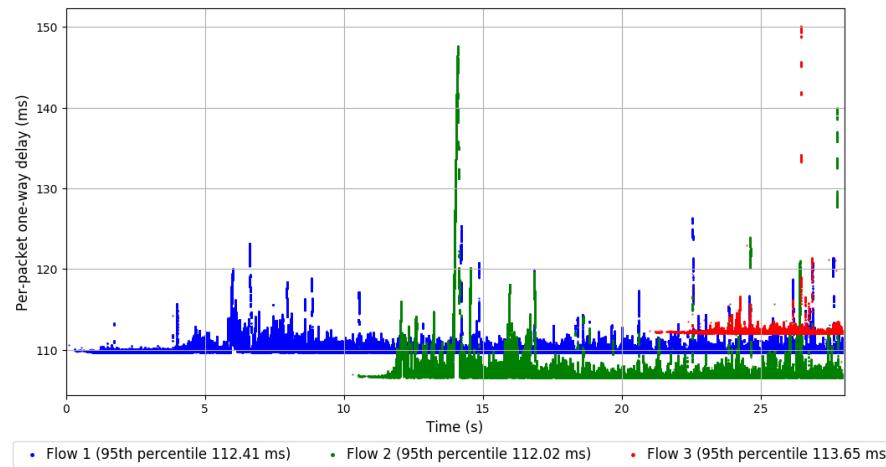
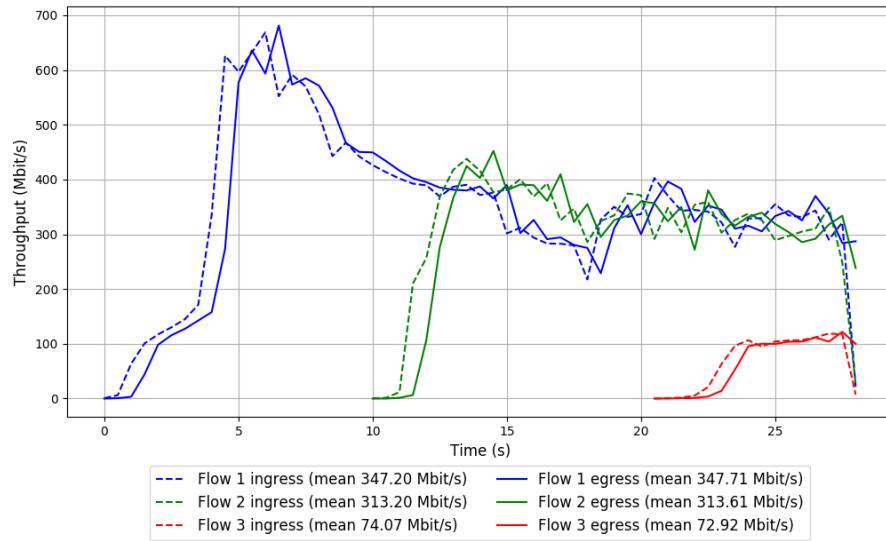


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 02:54:13
End at: 2019-07-12 02:54:43
Local clock offset: -0.14 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2019-07-12 07:13:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.62 Mbit/s
95th percentile per-packet one-way delay: 112.569 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 347.71 Mbit/s
95th percentile per-packet one-way delay: 112.414 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 313.61 Mbit/s
95th percentile per-packet one-way delay: 112.018 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 72.92 Mbit/s
95th percentile per-packet one-way delay: 113.646 ms
Loss rate: 4.63%
```

Run 1: Report of Indigo-MusesD — Data Link

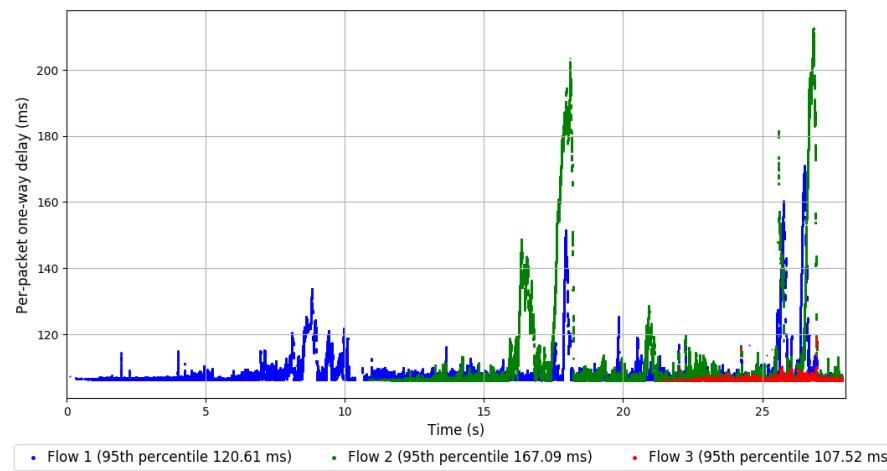
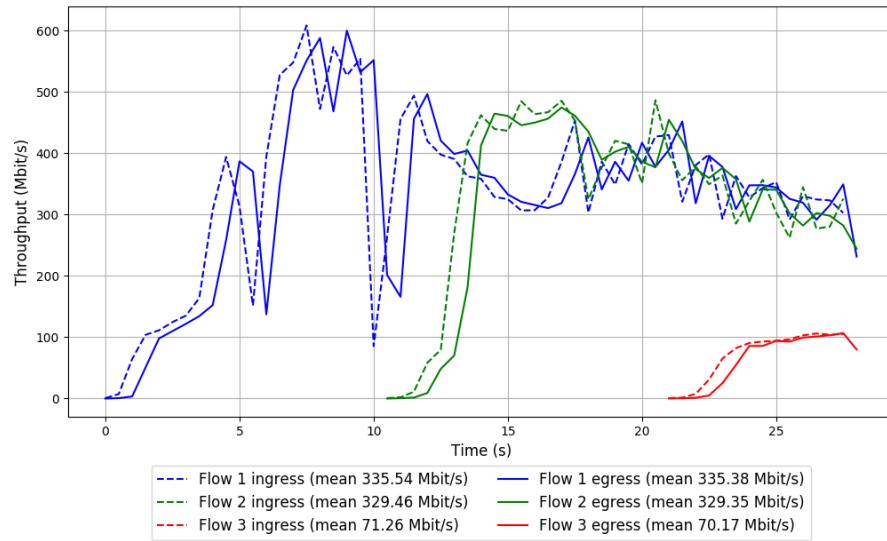


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 03:36:44
End at: 2019-07-12 03:37:14
Local clock offset: -0.703 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2019-07-12 07:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.69 Mbit/s
95th percentile per-packet one-way delay: 134.249 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 335.38 Mbit/s
95th percentile per-packet one-way delay: 120.615 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 329.35 Mbit/s
95th percentile per-packet one-way delay: 167.092 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 107.521 ms
Loss rate: 4.64%
```

Run 2: Report of Indigo-MusesD — Data Link

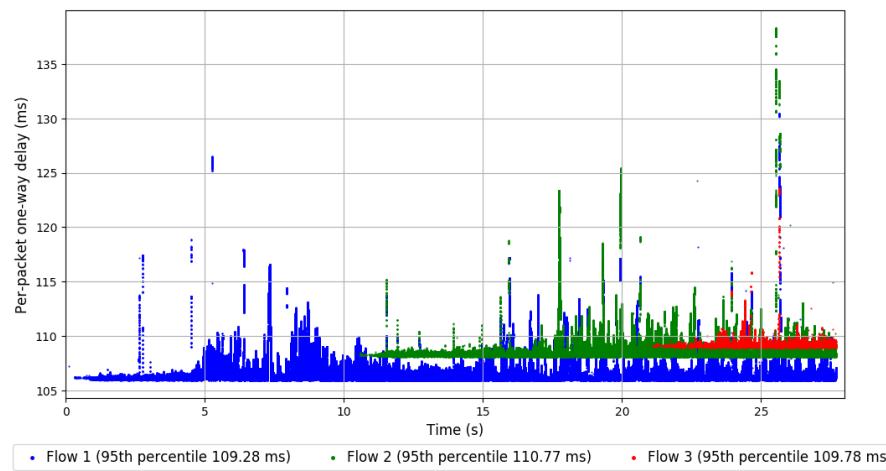
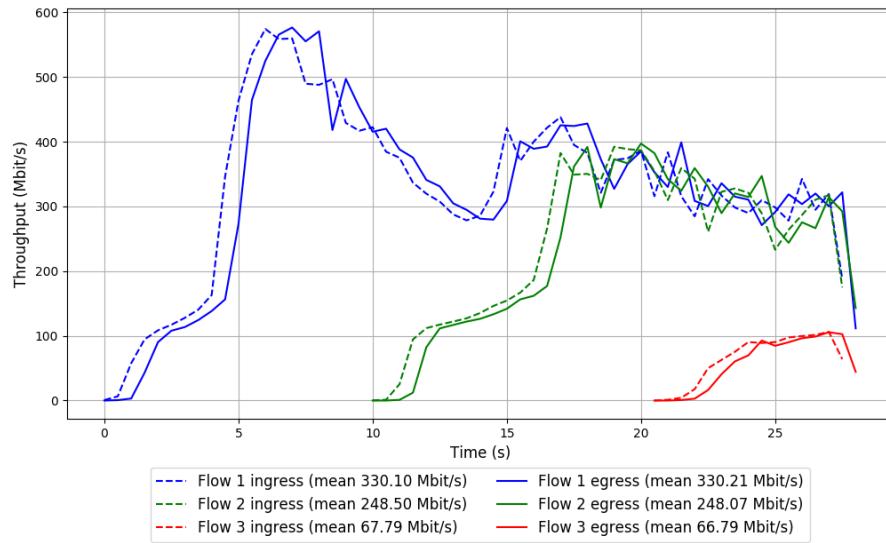


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 04:19:38
End at: 2019-07-12 04:20:08
Local clock offset: -0.875 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-07-12 07:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 502.43 Mbit/s
95th percentile per-packet one-way delay: 109.999 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 330.21 Mbit/s
95th percentile per-packet one-way delay: 109.275 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 248.07 Mbit/s
95th percentile per-packet one-way delay: 110.774 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 109.784 ms
Loss rate: 4.59%
```

Run 3: Report of Indigo-MusesD — Data Link

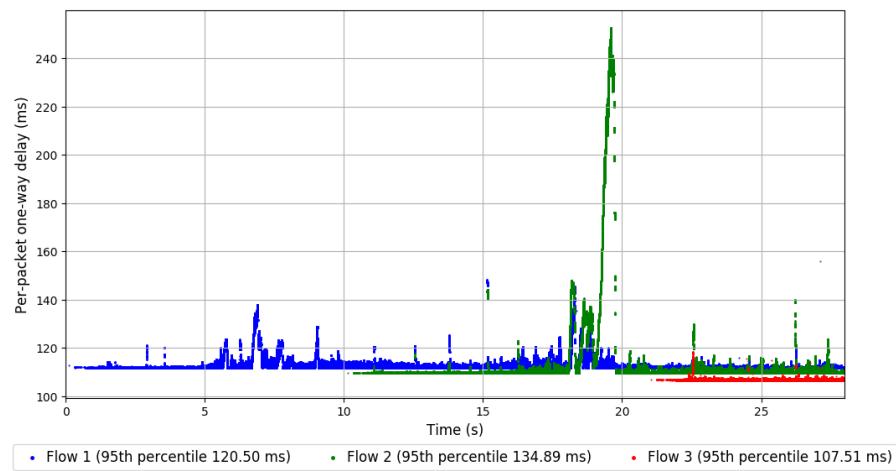
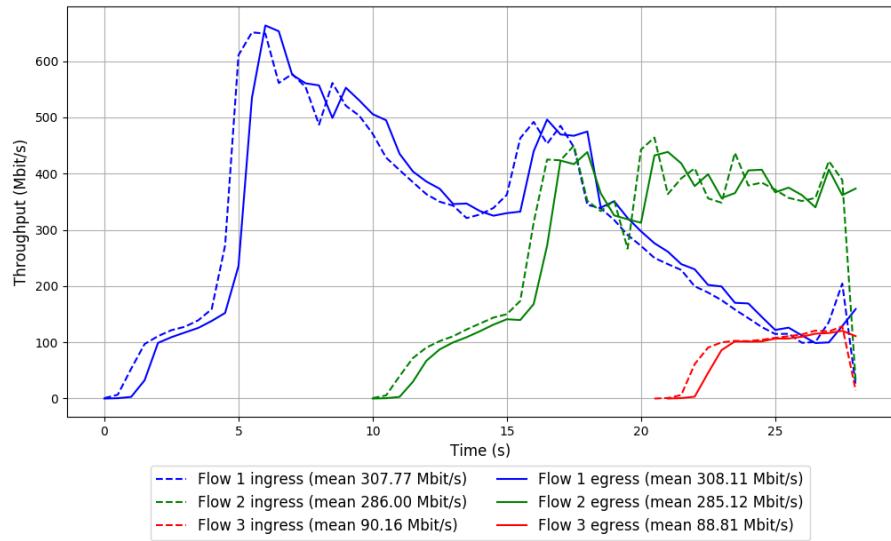


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 05:01:24
End at: 2019-07-12 05:01:54
Local clock offset: -0.289 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-07-12 07:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 512.61 Mbit/s
95th percentile per-packet one-way delay: 122.174 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 308.11 Mbit/s
95th percentile per-packet one-way delay: 120.503 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 285.12 Mbit/s
95th percentile per-packet one-way delay: 134.893 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 107.514 ms
Loss rate: 4.47%
```

Run 4: Report of Indigo-MusesD — Data Link

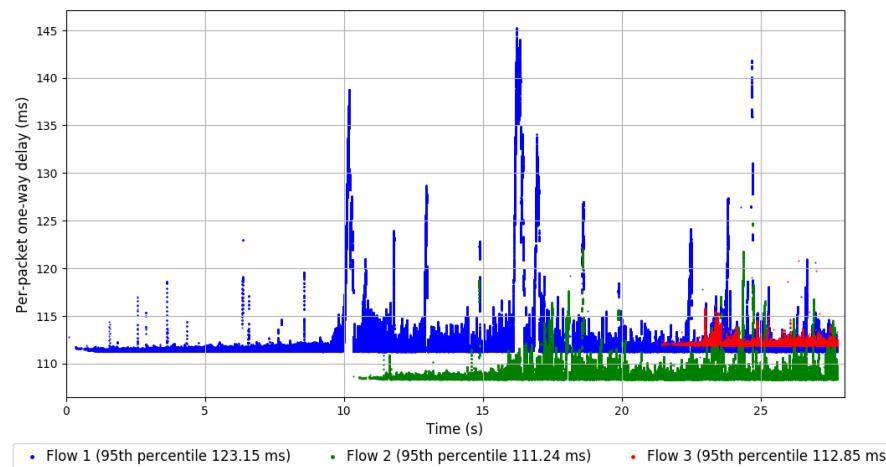
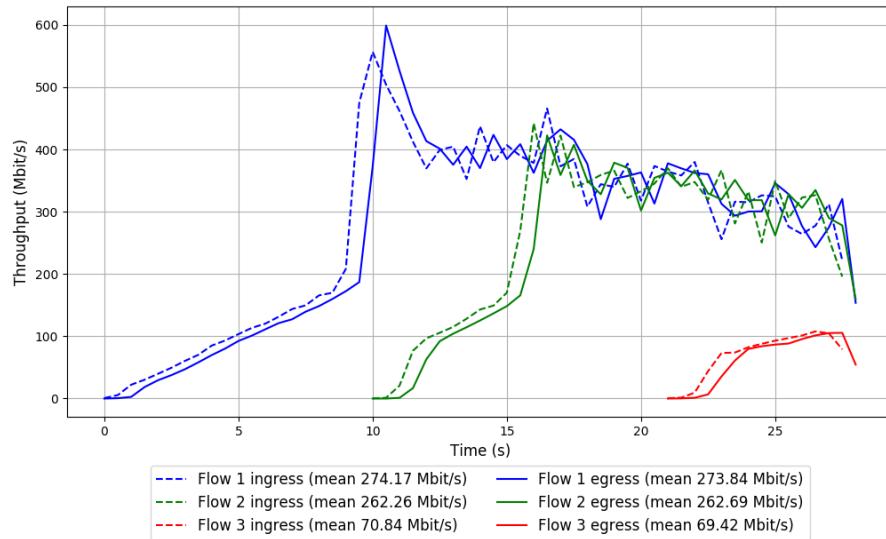


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 05:43:12
End at: 2019-07-12 05:43:42
Local clock offset: -0.133 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-07-12 07:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.60 Mbit/s
95th percentile per-packet one-way delay: 117.654 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 273.84 Mbit/s
95th percentile per-packet one-way delay: 123.152 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 262.69 Mbit/s
95th percentile per-packet one-way delay: 111.238 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 69.42 Mbit/s
95th percentile per-packet one-way delay: 112.853 ms
Loss rate: 5.26%
```

Run 5: Report of Indigo-MusesD — Data Link

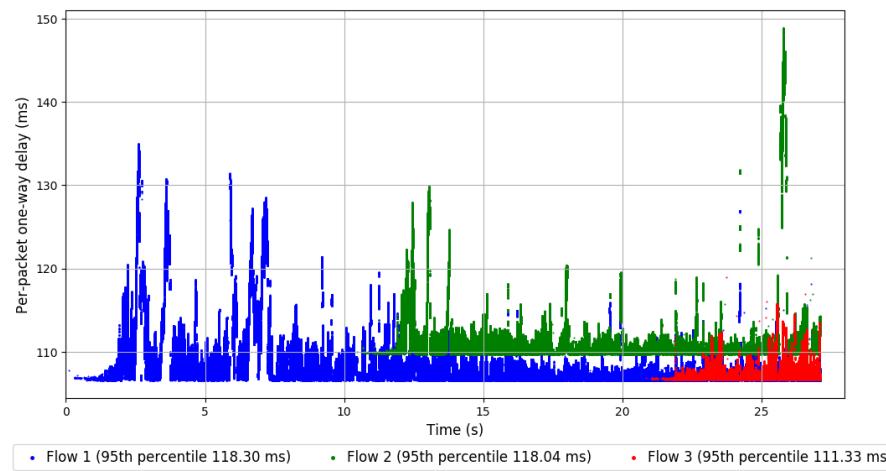
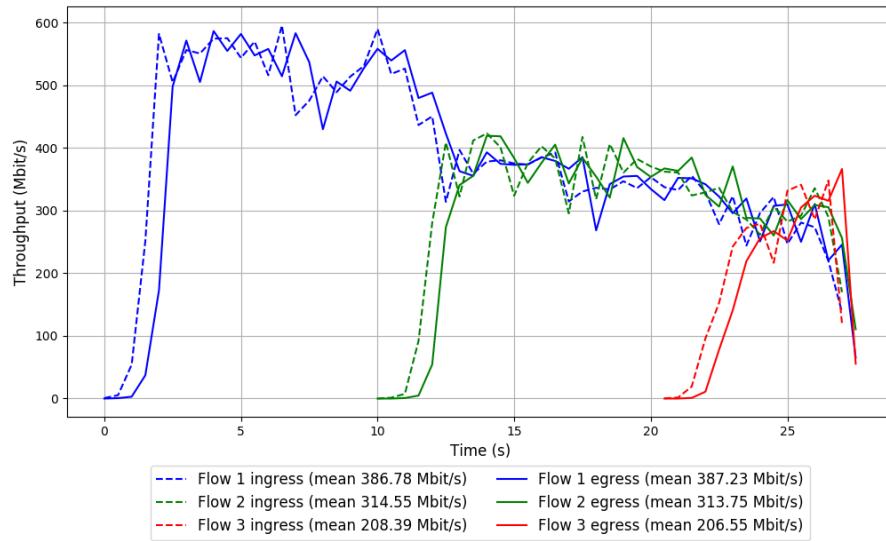


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 02:19:27
End at: 2019-07-12 02:19:57
Local clock offset: -0.168 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2019-07-12 07:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 628.78 Mbit/s
95th percentile per-packet one-way delay: 117.728 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 387.23 Mbit/s
95th percentile per-packet one-way delay: 118.304 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 313.75 Mbit/s
95th percentile per-packet one-way delay: 118.038 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 206.55 Mbit/s
95th percentile per-packet one-way delay: 111.335 ms
Loss rate: 4.25%
```

Run 1: Report of Indigo-MusesT — Data Link

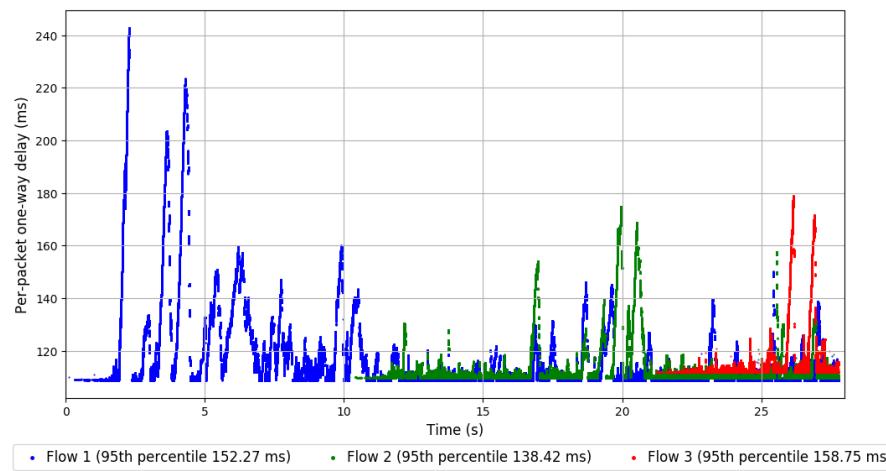
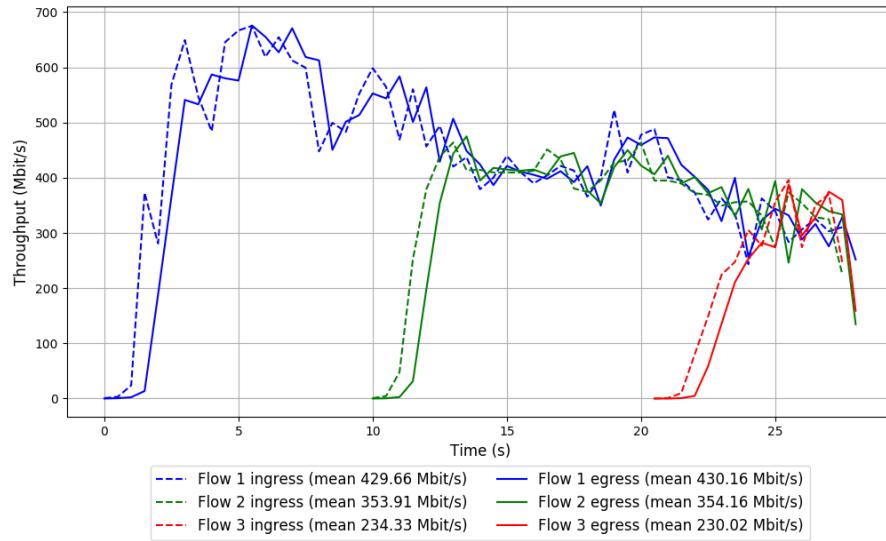


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 03:01:39
End at: 2019-07-12 03:02:09
Local clock offset: -0.078 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2019-07-12 07:24:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 711.65 Mbit/s
95th percentile per-packet one-way delay: 149.635 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 430.16 Mbit/s
95th percentile per-packet one-way delay: 152.274 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 354.16 Mbit/s
95th percentile per-packet one-way delay: 138.420 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 230.02 Mbit/s
95th percentile per-packet one-way delay: 158.749 ms
Loss rate: 4.99%
```

Run 2: Report of Indigo-MusesT — Data Link

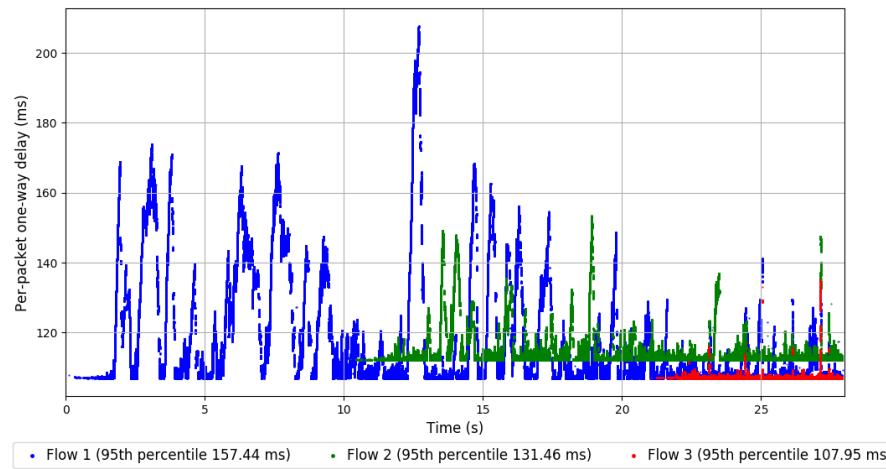
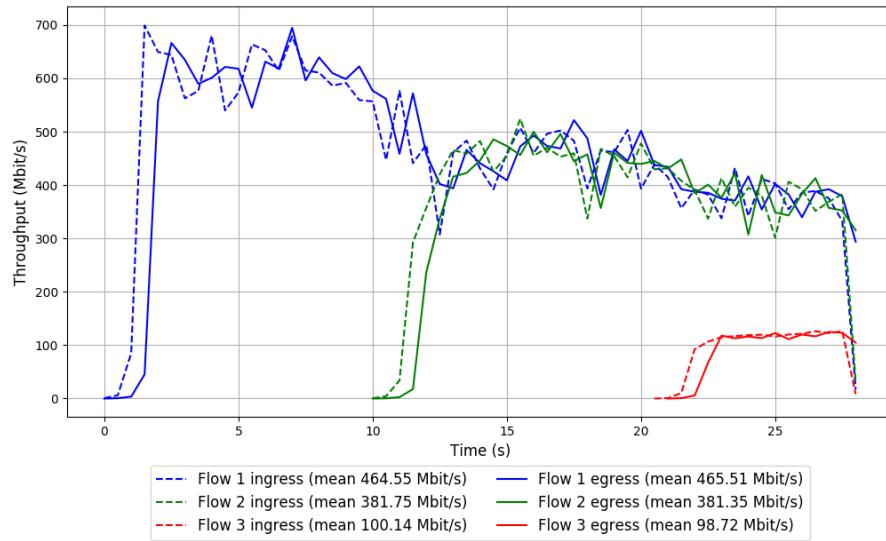


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 03:44:14
End at: 2019-07-12 03:44:44
Local clock offset: -0.105 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2019-07-12 07:25:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 732.56 Mbit/s
95th percentile per-packet one-way delay: 150.911 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 465.51 Mbit/s
95th percentile per-packet one-way delay: 157.437 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 381.35 Mbit/s
95th percentile per-packet one-way delay: 131.458 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 98.72 Mbit/s
95th percentile per-packet one-way delay: 107.955 ms
Loss rate: 4.50%
```

Run 3: Report of Indigo-MusesT — Data Link

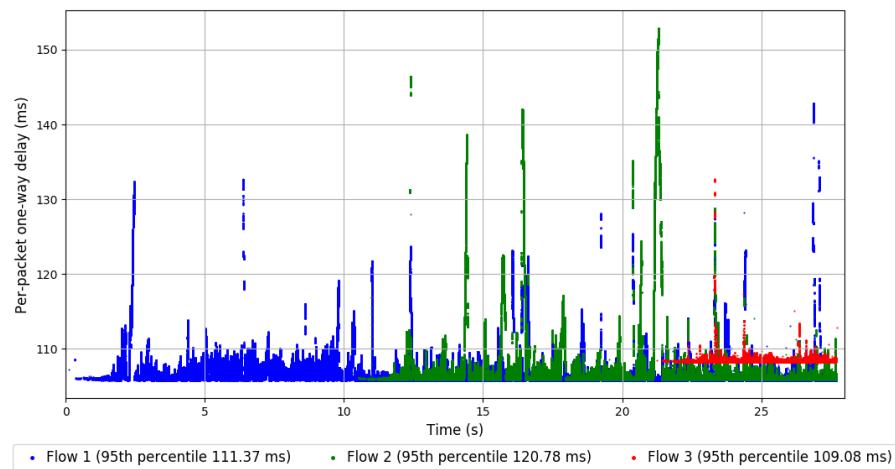
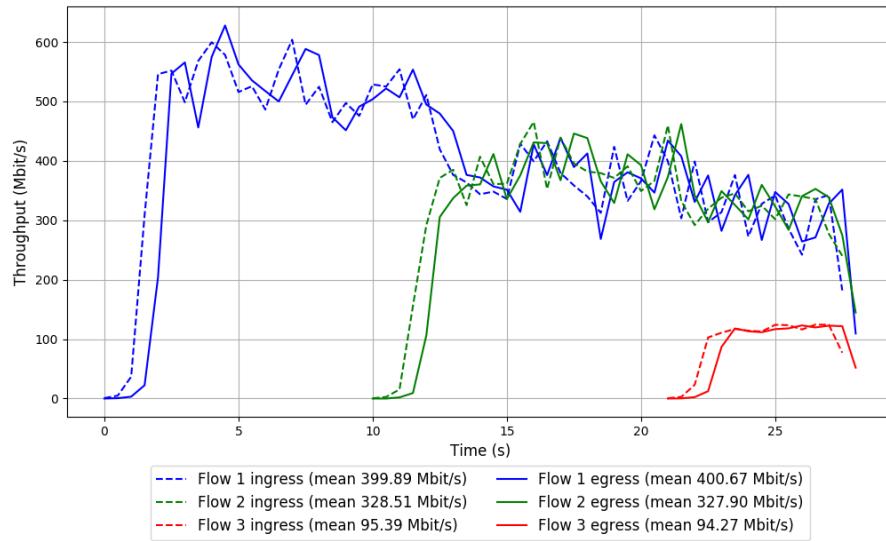


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 04:26:50
End at: 2019-07-12 04:27:20
Local clock offset: -1.144 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2019-07-12 07:25:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 629.10 Mbit/s
95th percentile per-packet one-way delay: 113.183 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 400.67 Mbit/s
95th percentile per-packet one-way delay: 111.369 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 327.90 Mbit/s
95th percentile per-packet one-way delay: 120.780 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 109.083 ms
Loss rate: 4.31%
```

Run 4: Report of Indigo-MusesT — Data Link

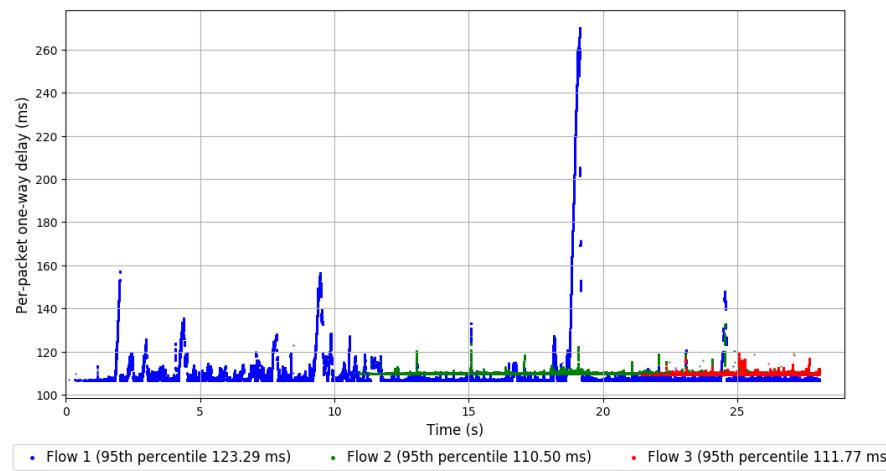
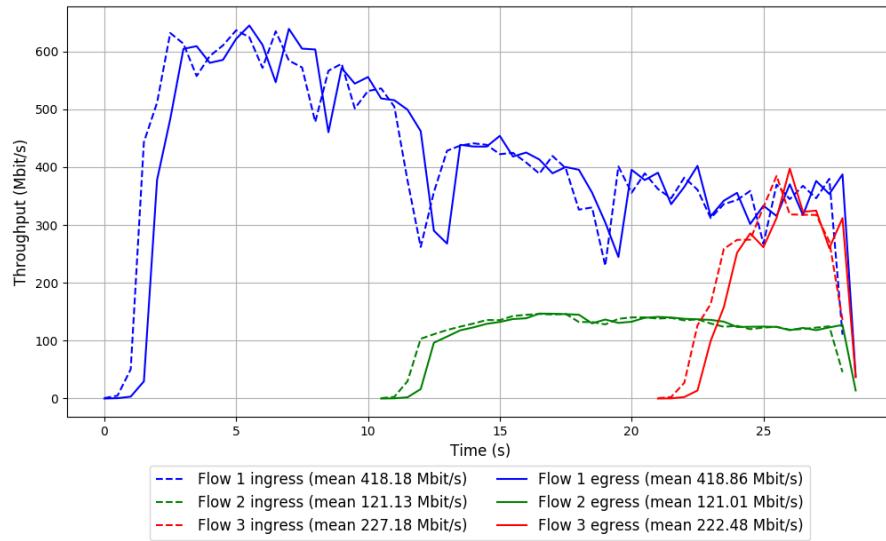


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 05:08:56
End at: 2019-07-12 05:09:26
Local clock offset: -0.553 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-07-12 07:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 548.32 Mbit/s
95th percentile per-packet one-way delay: 118.877 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 418.86 Mbit/s
95th percentile per-packet one-way delay: 123.293 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 121.01 Mbit/s
95th percentile per-packet one-way delay: 110.502 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 222.48 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 5.14%
```

Run 5: Report of Indigo-MusesT — Data Link

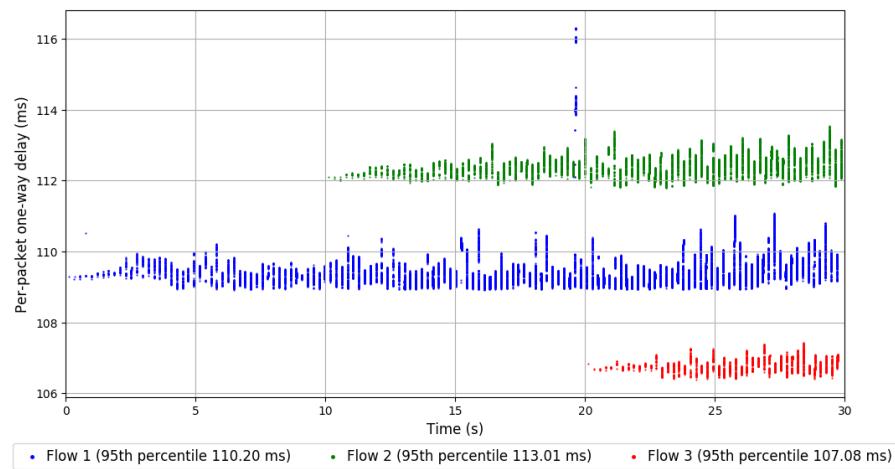
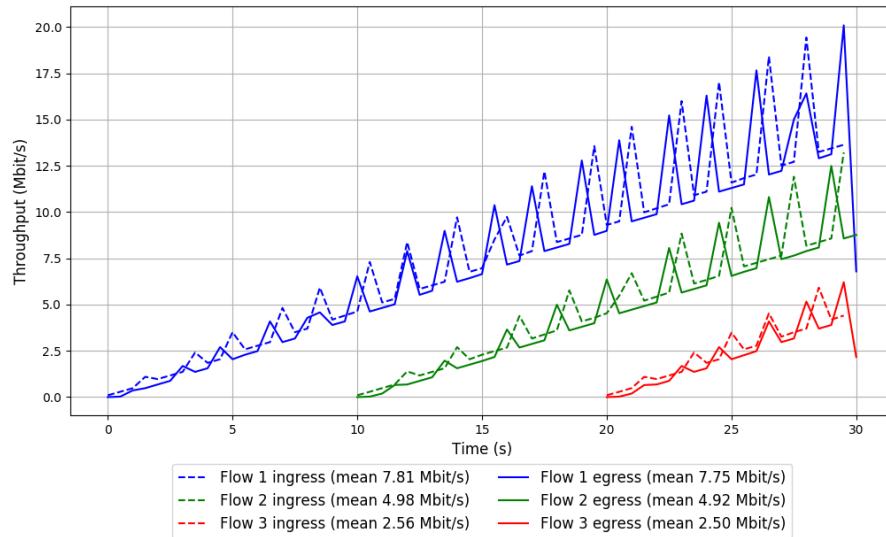


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-12 02:28:53
End at: 2019-07-12 02:29:23
Local clock offset: -0.298 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-07-12 07:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 112.759 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 110.196 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 113.007 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 107.084 ms
Loss rate: 4.47%
```

Run 1: Report of LEDBAT — Data Link

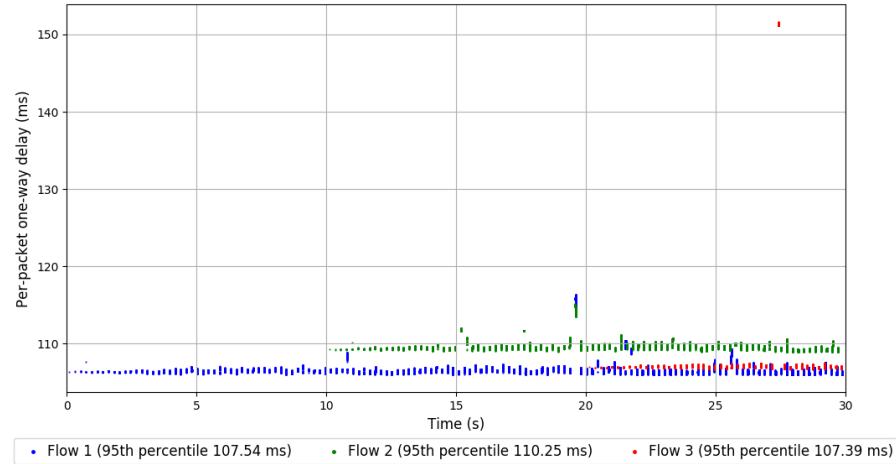
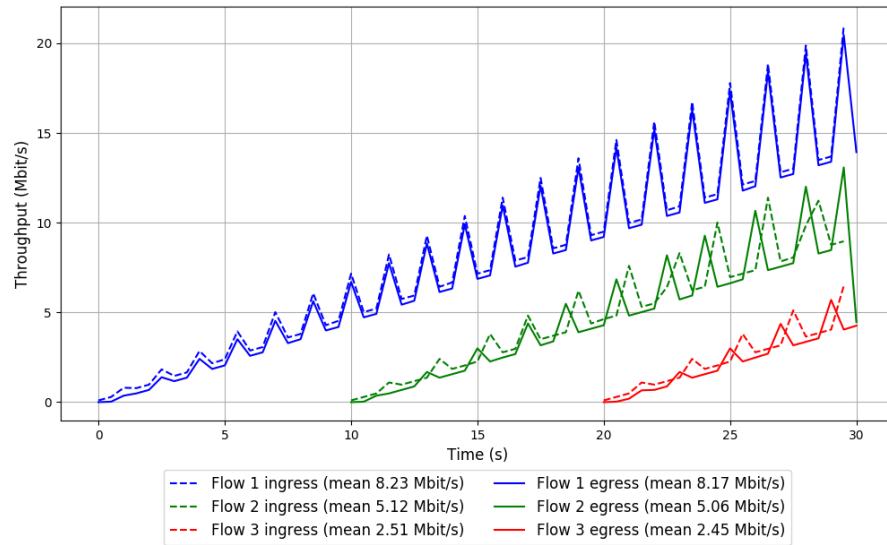


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-12 03:11:14
End at: 2019-07-12 03:11:44
Local clock offset: -0.289 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-07-12 07:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 109.970 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 107.539 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 110.245 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 107.391 ms
Loss rate: 4.44%
```

Run 2: Report of LEDBAT — Data Link

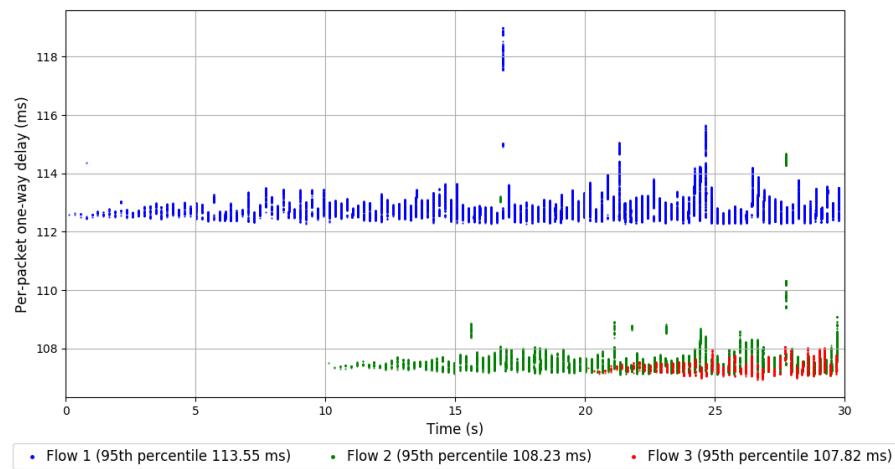
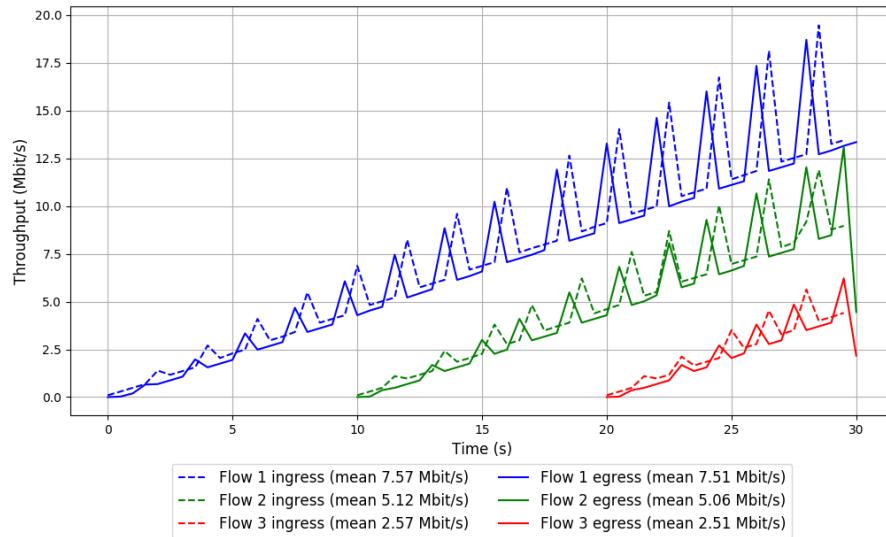


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-12 03:53:58
End at: 2019-07-12 03:54:28
Local clock offset: 0.173 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2019-07-12 07:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 113.389 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 113.553 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 108.228 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 107.820 ms
Loss rate: 4.46%
```

Run 3: Report of LEDBAT — Data Link

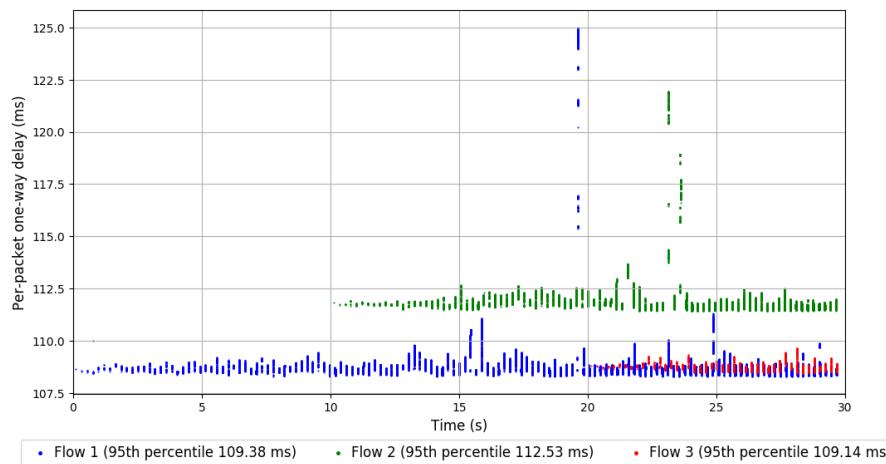
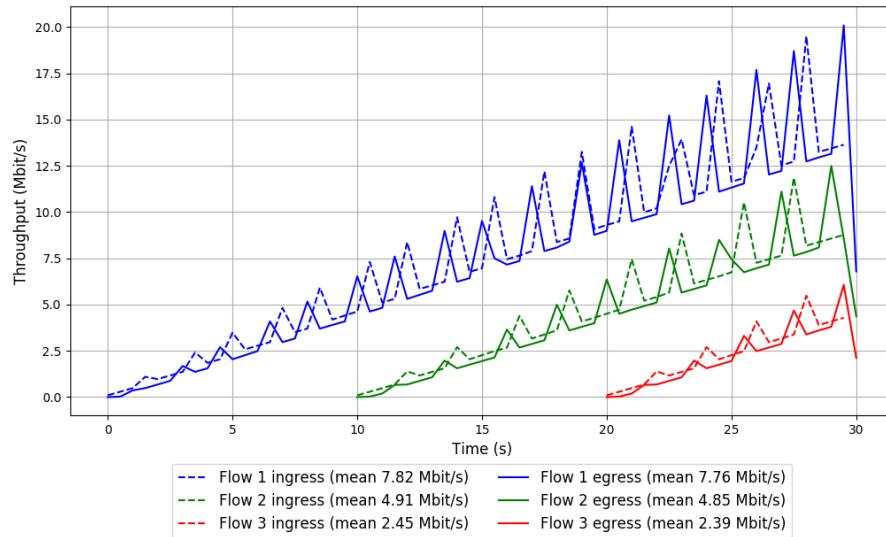


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-12 04:36:24
End at: 2019-07-12 04:36:54
Local clock offset: -0.987 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2019-07-12 07:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 112.057 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 109.384 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 112.526 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 109.145 ms
Loss rate: 4.52%
```

Run 4: Report of LEDBAT — Data Link

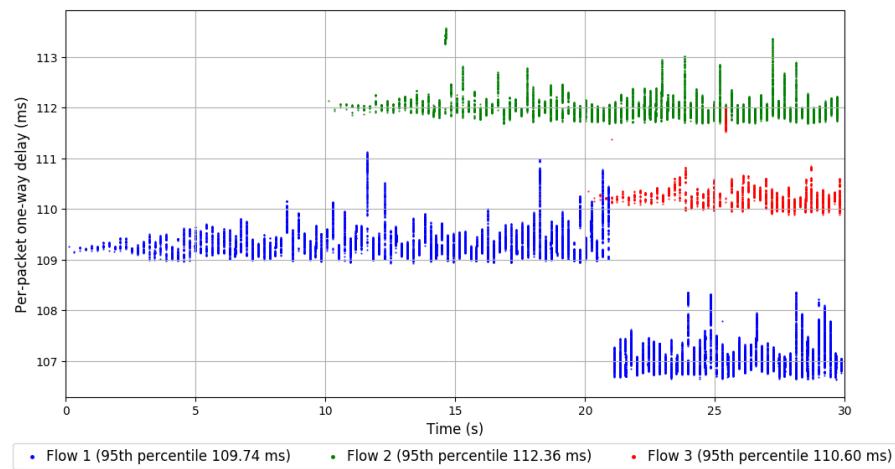
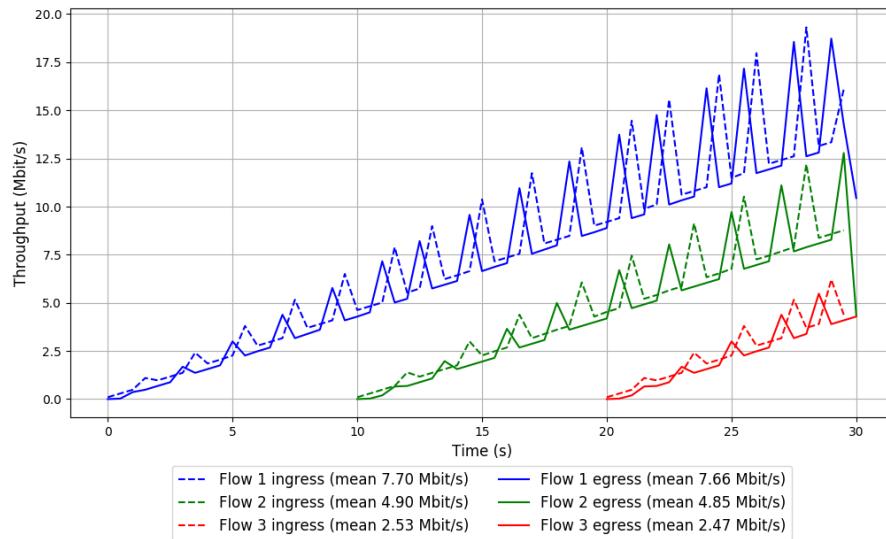


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-12 05:18:15
End at: 2019-07-12 05:18:45
Local clock offset: -0.341 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2019-07-12 07:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 112.096 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 109.736 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 112.364 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 110.598 ms
Loss rate: 4.42%
```

Run 5: Report of LEDBAT — Data Link

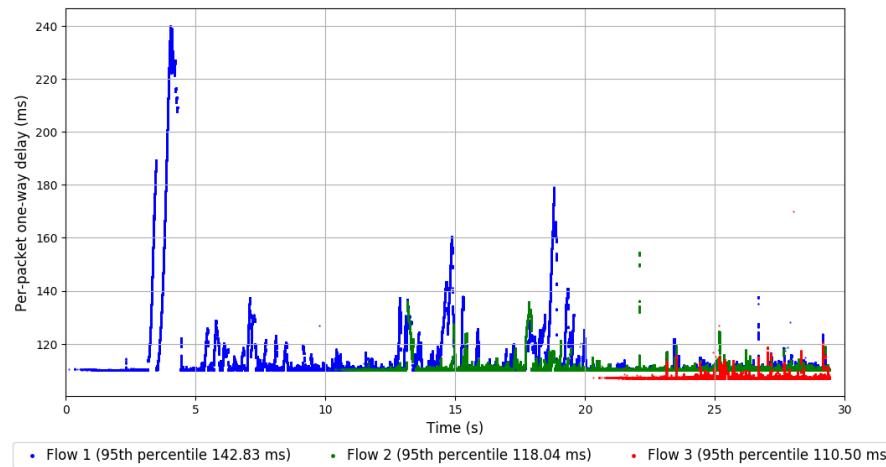
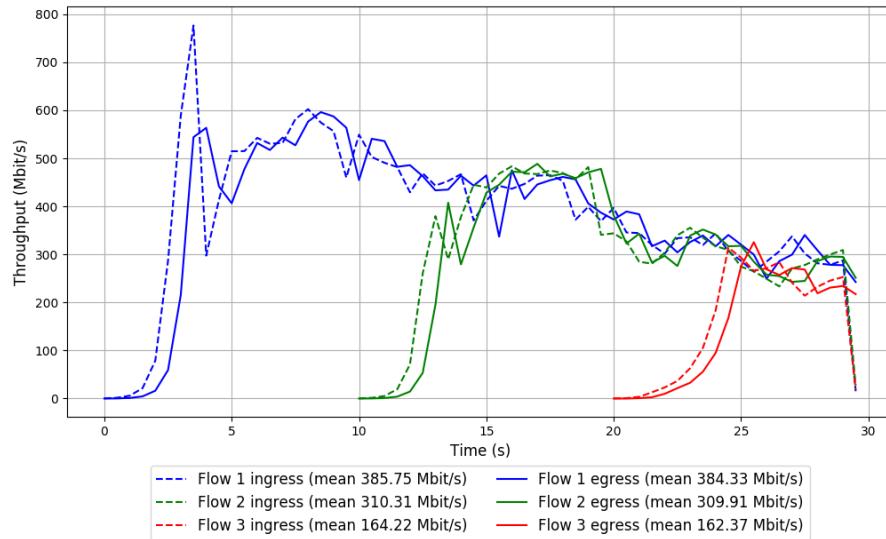


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 02:33:49
End at: 2019-07-12 02:34:19
Local clock offset: -0.158 ms
Remote clock offset: -0.408 ms

# Below is generated by plot.py at 2019-07-12 07:29:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 638.33 Mbit/s
95th percentile per-packet one-way delay: 130.953 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 384.33 Mbit/s
95th percentile per-packet one-way delay: 142.828 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 309.91 Mbit/s
95th percentile per-packet one-way delay: 118.036 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 162.37 Mbit/s
95th percentile per-packet one-way delay: 110.501 ms
Loss rate: 3.51%
```

Run 1: Report of Muses_DecisionTree — Data Link

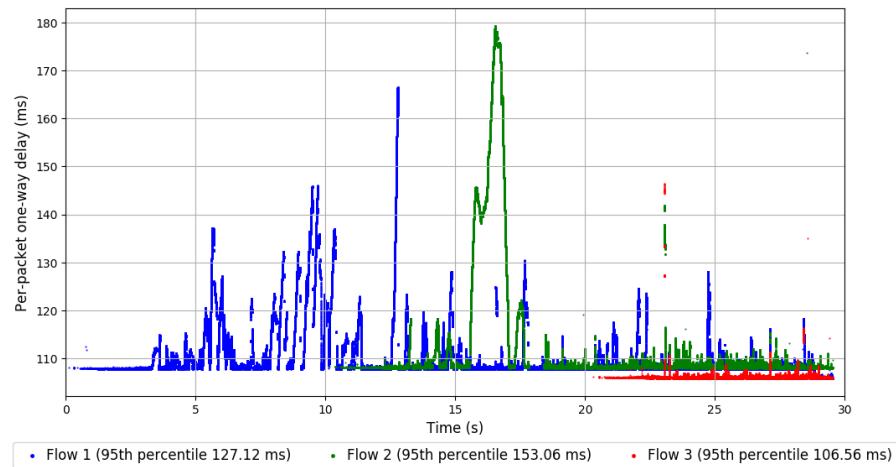
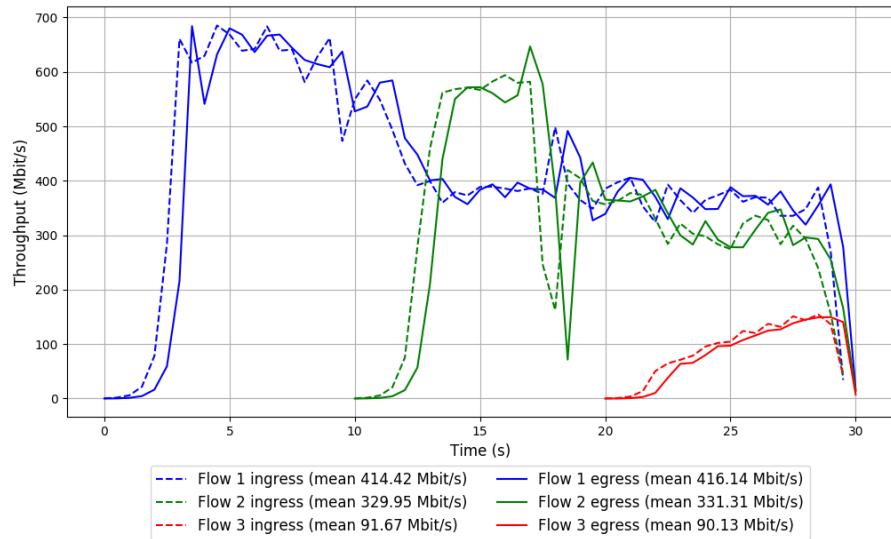


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 03:16:18
End at: 2019-07-12 03:16:48
Local clock offset: -1.103 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2019-07-12 07:29:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.58 Mbit/s
95th percentile per-packet one-way delay: 135.020 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 416.14 Mbit/s
95th percentile per-packet one-way delay: 127.118 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 331.31 Mbit/s
95th percentile per-packet one-way delay: 153.055 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 3.94%
```

Run 2: Report of Muses_DecisionTree — Data Link

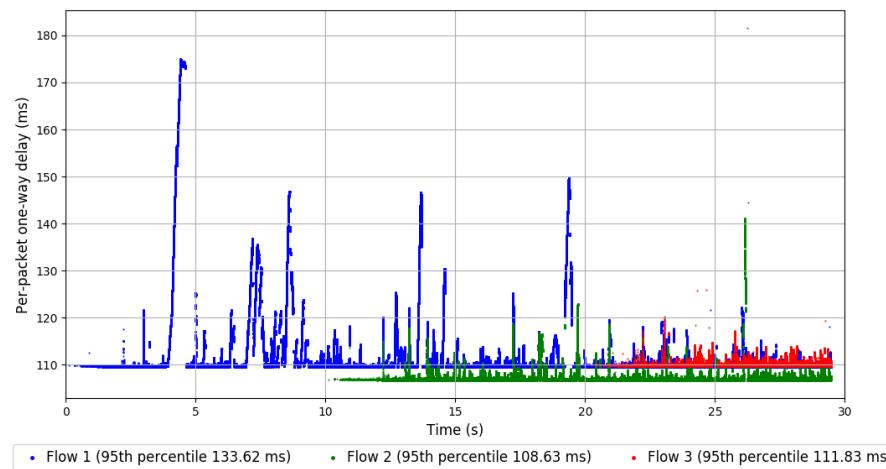
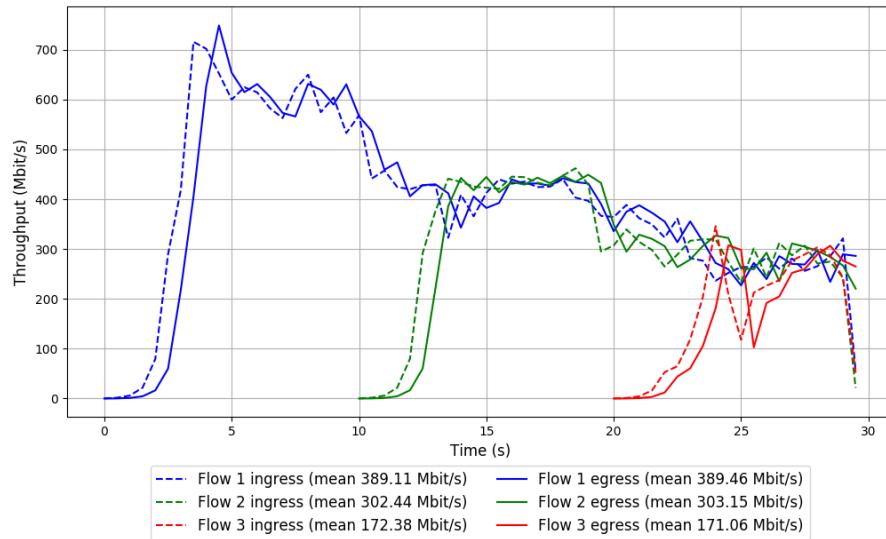


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 03:59:01
End at: 2019-07-12 03:59:31
Local clock offset: -0.178 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2019-07-12 07:29:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 643.14 Mbit/s
95th percentile per-packet one-way delay: 123.907 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 389.46 Mbit/s
95th percentile per-packet one-way delay: 133.618 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 303.15 Mbit/s
95th percentile per-packet one-way delay: 108.631 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 111.828 ms
Loss rate: 3.07%
```

Run 3: Report of Muses_DecisionTree — Data Link

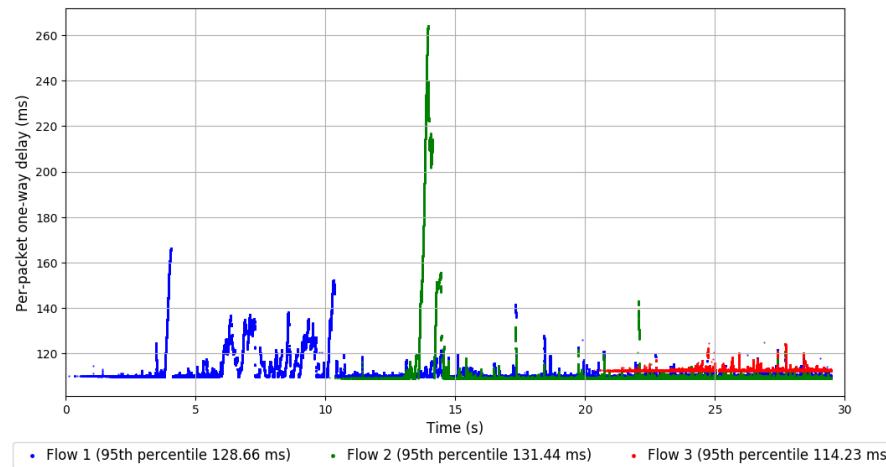
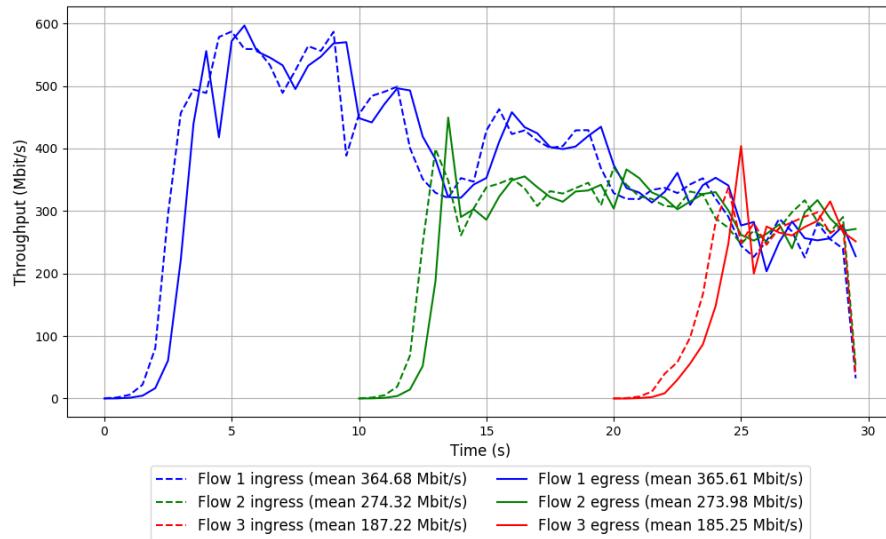


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 04:41:24
End at: 2019-07-12 04:41:54
Local clock offset: -0.42 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2019-07-12 07:32:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 603.41 Mbit/s
95th percentile per-packet one-way delay: 126.772 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 365.61 Mbit/s
95th percentile per-packet one-way delay: 128.656 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 273.98 Mbit/s
95th percentile per-packet one-way delay: 131.437 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 185.25 Mbit/s
95th percentile per-packet one-way delay: 114.232 ms
Loss rate: 3.41%
```

Run 4: Report of Muses_DecisionTree — Data Link

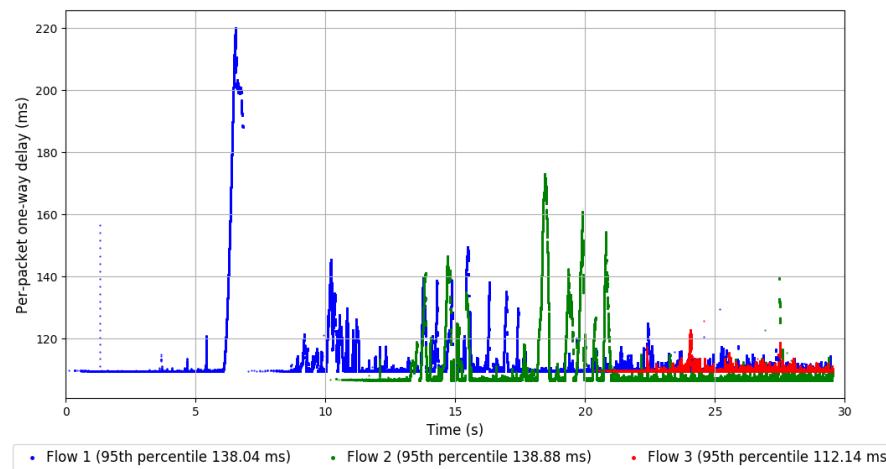
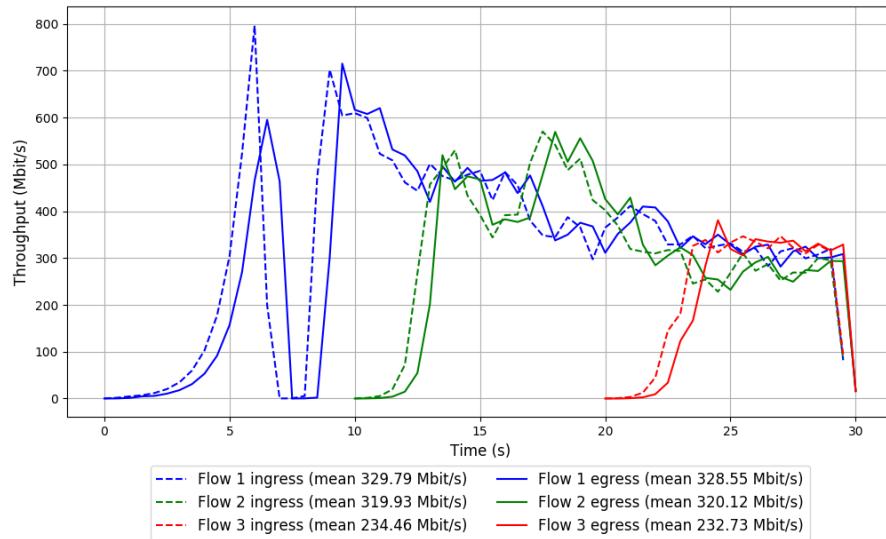


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 05:23:10
End at: 2019-07-12 05:23:40
Local clock offset: -0.213 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-07-12 07:35:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 611.77 Mbit/s
95th percentile per-packet one-way delay: 134.856 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 328.55 Mbit/s
95th percentile per-packet one-way delay: 138.036 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 320.12 Mbit/s
95th percentile per-packet one-way delay: 138.879 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 232.73 Mbit/s
95th percentile per-packet one-way delay: 112.138 ms
Loss rate: 3.14%
```

Run 5: Report of Muses_DecisionTree — Data Link

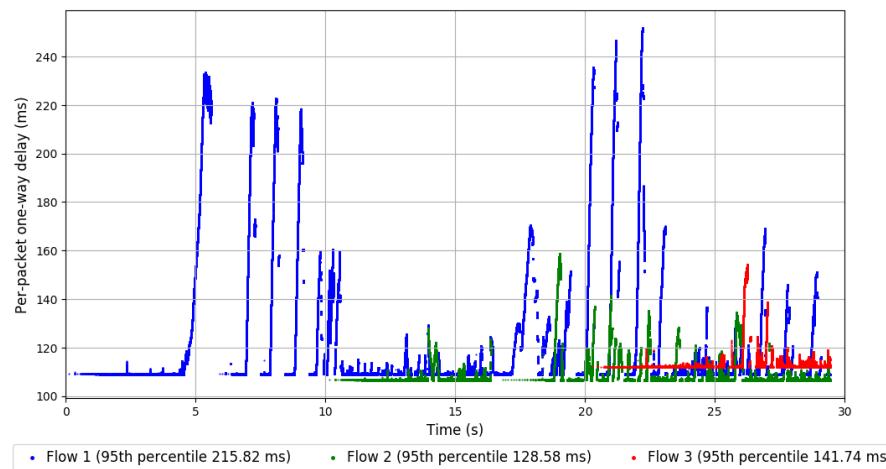
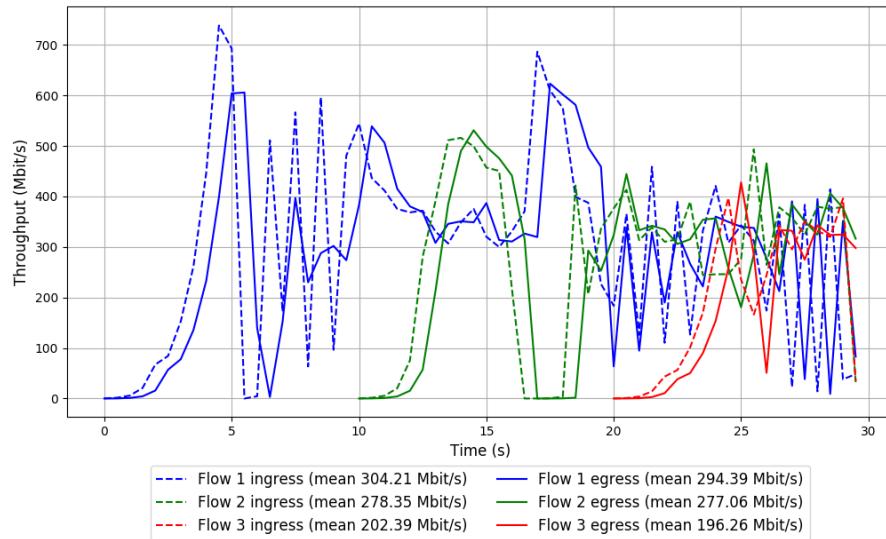


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 02:25:06
End at: 2019-07-12 02:25:36
Local clock offset: -0.233 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2019-07-12 07:35:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 537.84 Mbit/s
95th percentile per-packet one-way delay: 195.452 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 294.39 Mbit/s
95th percentile per-packet one-way delay: 215.821 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 277.06 Mbit/s
95th percentile per-packet one-way delay: 128.578 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 196.26 Mbit/s
95th percentile per-packet one-way delay: 141.735 ms
Loss rate: 5.36%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

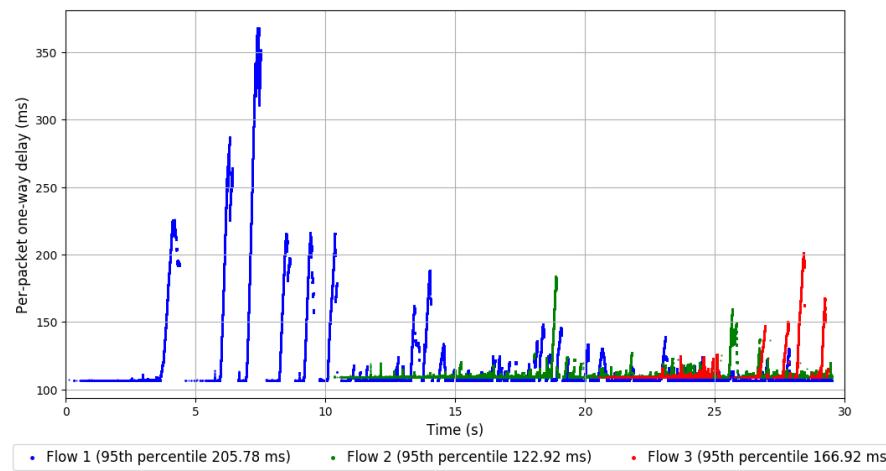
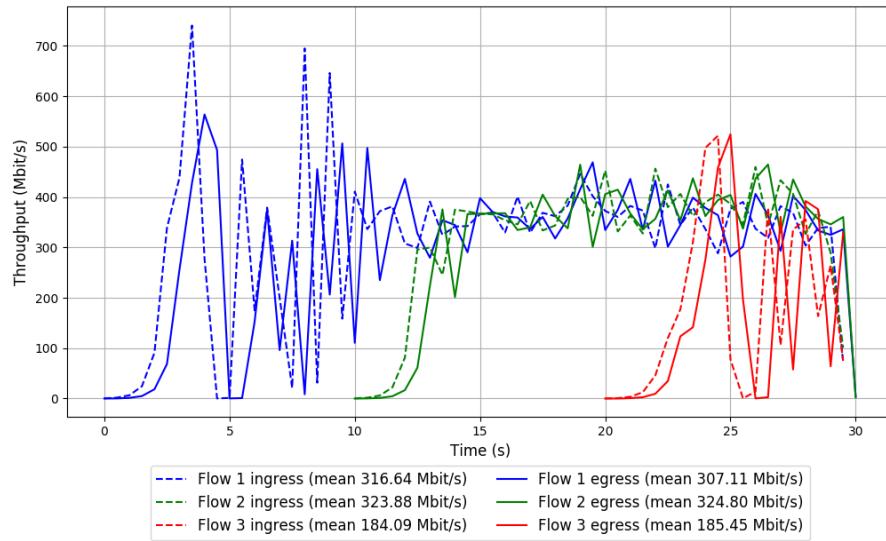


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 03:07:21
End at: 2019-07-12 03:07:51
Local clock offset: -0.241 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-07-12 07:36:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.25 Mbit/s
95th percentile per-packet one-way delay: 188.199 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 307.11 Mbit/s
95th percentile per-packet one-way delay: 205.782 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 324.80 Mbit/s
95th percentile per-packet one-way delay: 122.917 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 185.45 Mbit/s
95th percentile per-packet one-way delay: 166.920 ms
Loss rate: 3.16%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

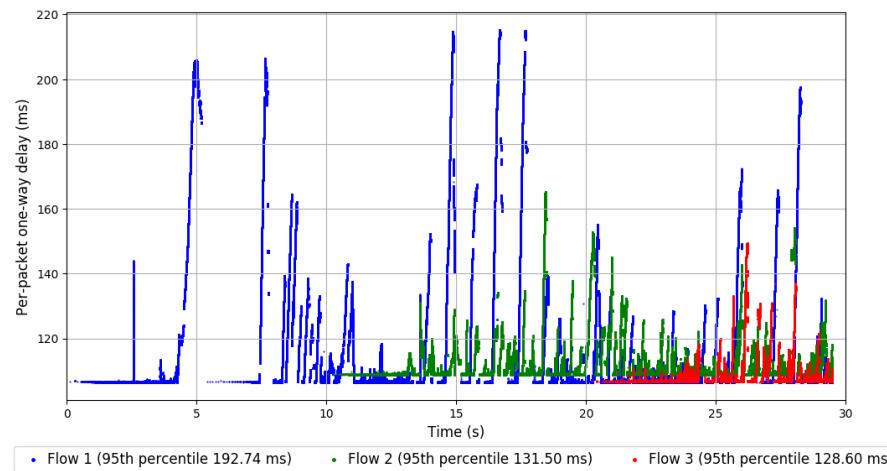
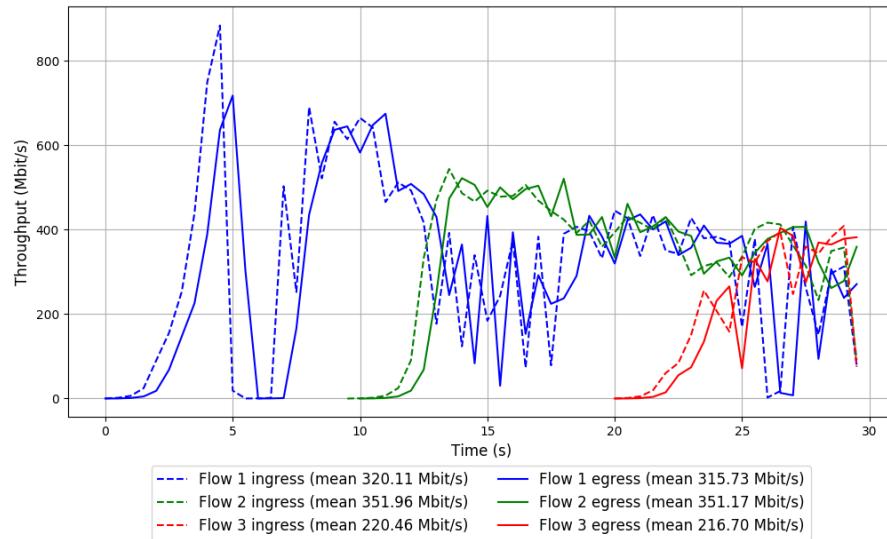


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 03:50:09
End at: 2019-07-12 03:50:39
Local clock offset: -0.272 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2019-07-12 07:37:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 616.29 Mbit/s
95th percentile per-packet one-way delay: 165.794 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 315.73 Mbit/s
95th percentile per-packet one-way delay: 192.743 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 351.17 Mbit/s
95th percentile per-packet one-way delay: 131.503 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 216.70 Mbit/s
95th percentile per-packet one-way delay: 128.596 ms
Loss rate: 3.96%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

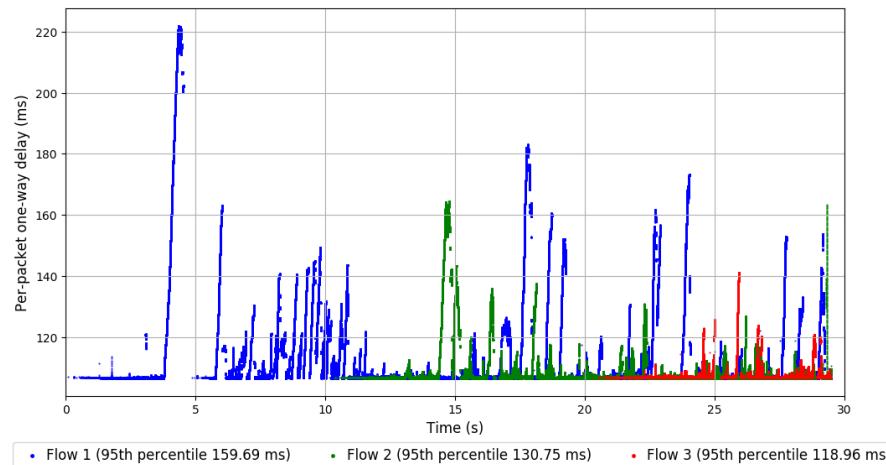
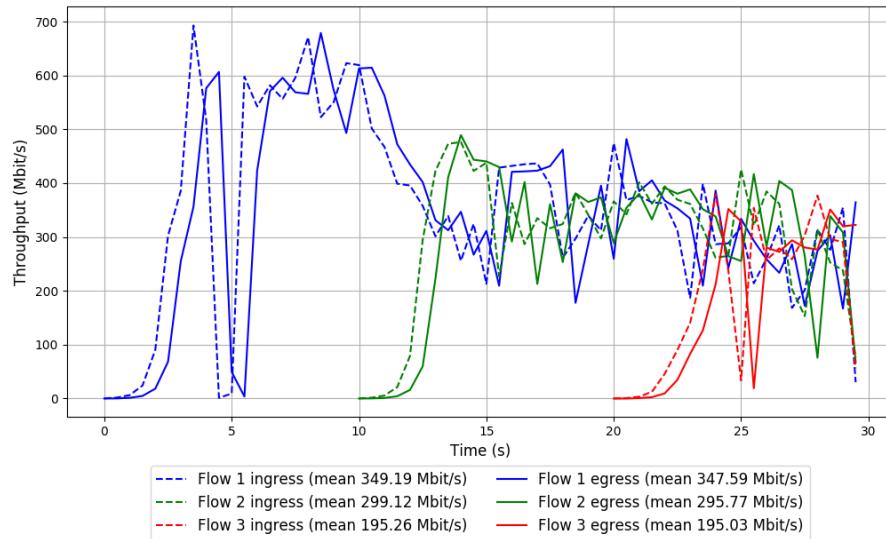


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 04:32:35
End at: 2019-07-12 04:33:05
Local clock offset: -0.405 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2019-07-12 07:40:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 602.83 Mbit/s
95th percentile per-packet one-way delay: 149.638 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 347.59 Mbit/s
95th percentile per-packet one-way delay: 159.686 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 295.77 Mbit/s
95th percentile per-packet one-way delay: 130.755 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 195.03 Mbit/s
95th percentile per-packet one-way delay: 118.956 ms
Loss rate: 2.48%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

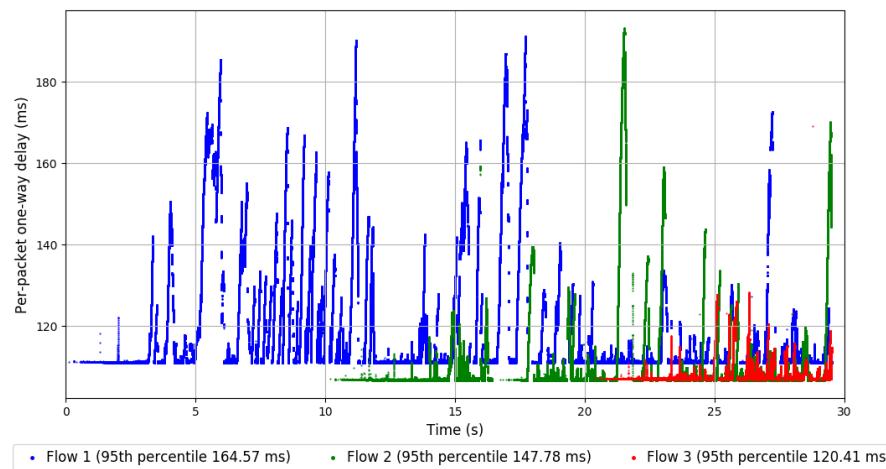
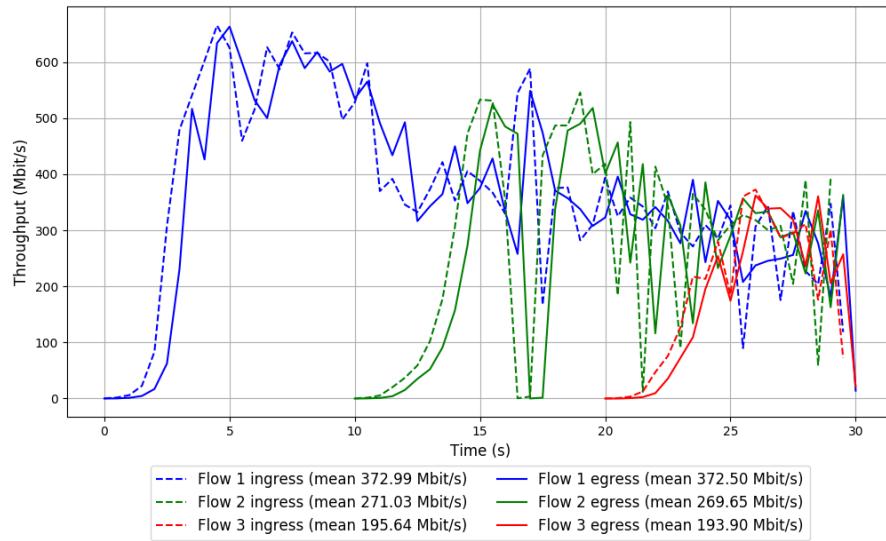


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 05:14:25
End at: 2019-07-12 05:14:55
Local clock offset: -0.441 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-07-12 07:40:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 610.07 Mbit/s
95th percentile per-packet one-way delay: 159.993 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 372.50 Mbit/s
95th percentile per-packet one-way delay: 164.567 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 269.65 Mbit/s
95th percentile per-packet one-way delay: 147.776 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 193.90 Mbit/s
95th percentile per-packet one-way delay: 120.412 ms
Loss rate: 3.07%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

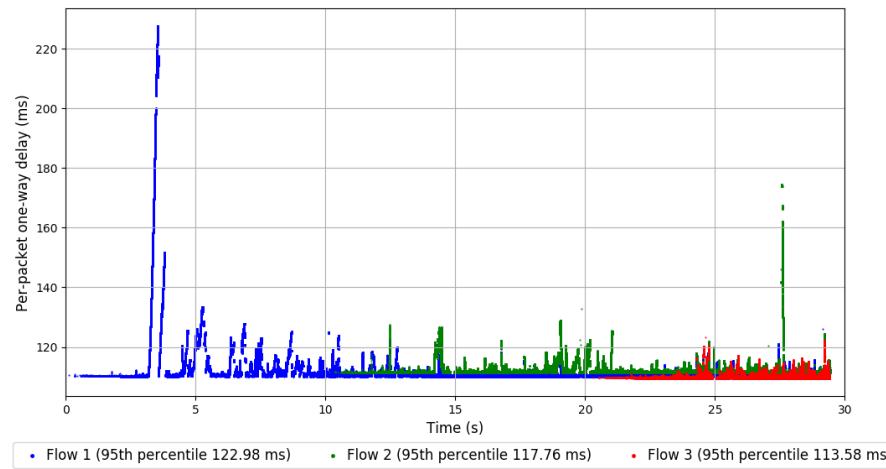
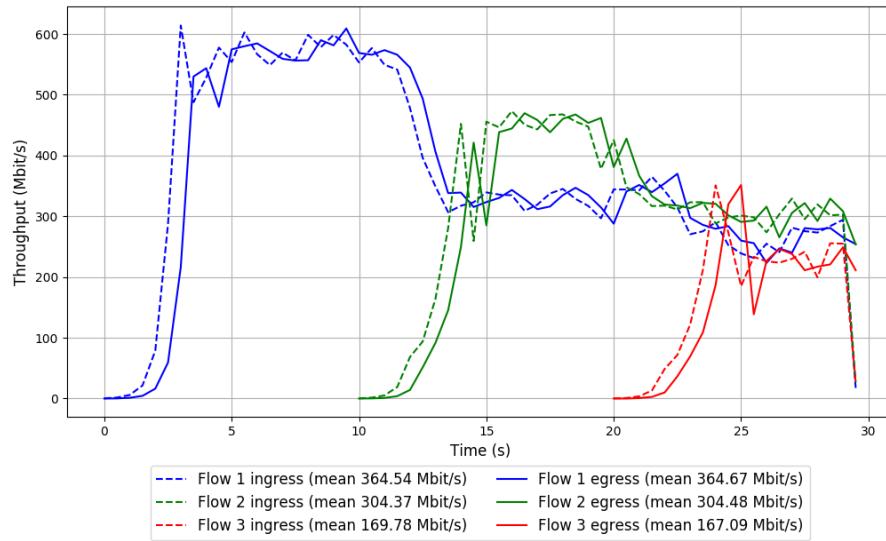


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 02:30:12
End at: 2019-07-12 02:30:42
Local clock offset: -0.056 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-07-12 07:41:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 616.68 Mbit/s
95th percentile per-packet one-way delay: 120.086 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 364.67 Mbit/s
95th percentile per-packet one-way delay: 122.982 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 304.48 Mbit/s
95th percentile per-packet one-way delay: 117.760 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 167.09 Mbit/s
95th percentile per-packet one-way delay: 113.585 ms
Loss rate: 3.98%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

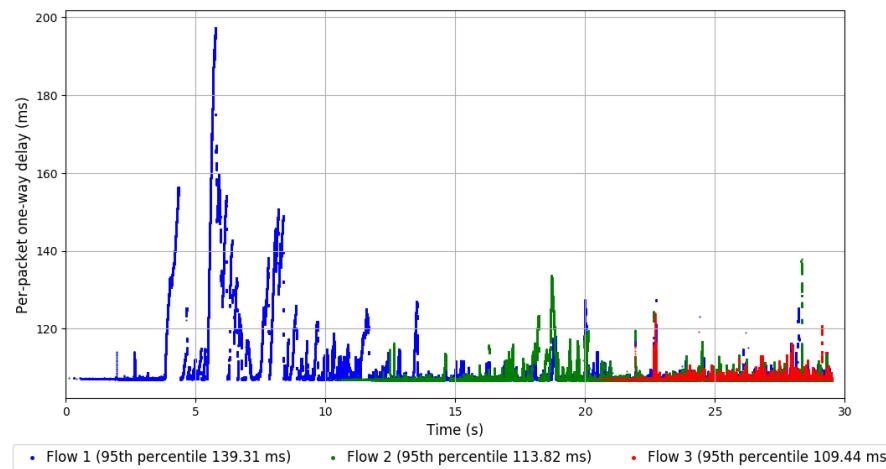
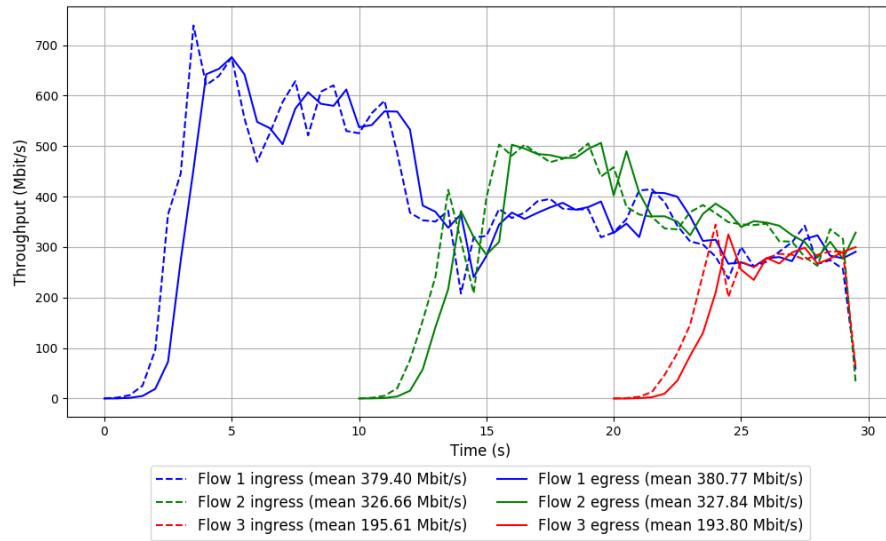


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 03:12:32
End at: 2019-07-12 03:13:02
Local clock offset: -0.054 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2019-07-12 07:45:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 656.79 Mbit/s
95th percentile per-packet one-way delay: 131.105 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 380.77 Mbit/s
95th percentile per-packet one-way delay: 139.306 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 327.84 Mbit/s
95th percentile per-packet one-way delay: 113.816 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 193.80 Mbit/s
95th percentile per-packet one-way delay: 109.442 ms
Loss rate: 3.21%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

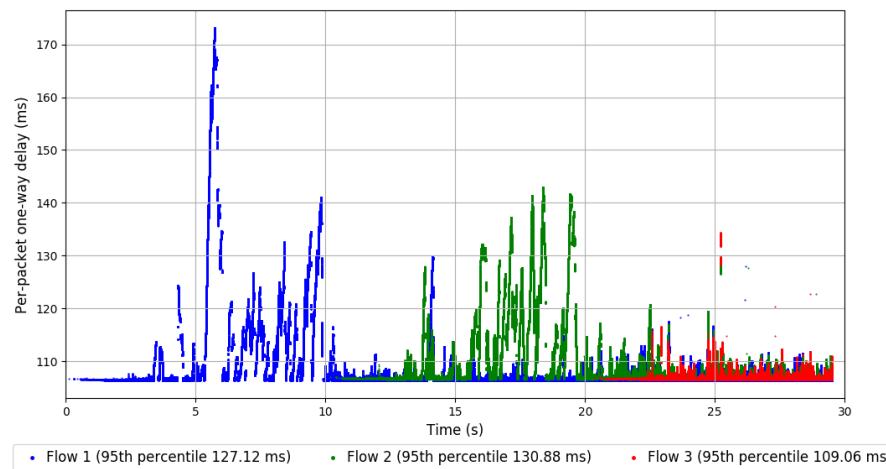
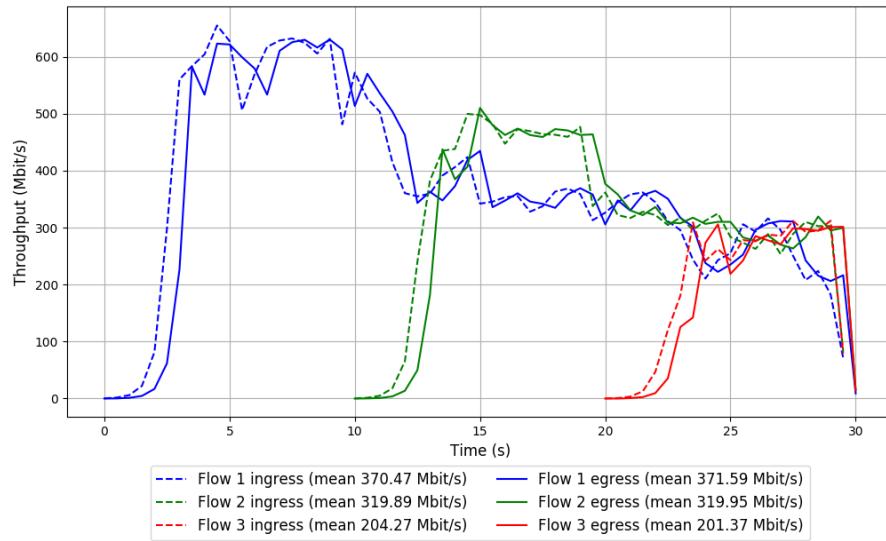


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 03:55:16
End at: 2019-07-12 03:55:46
Local clock offset: -0.235 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-07-12 07:46:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 644.71 Mbit/s
95th percentile per-packet one-way delay: 127.785 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 371.59 Mbit/s
95th percentile per-packet one-way delay: 127.119 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 319.95 Mbit/s
95th percentile per-packet one-way delay: 130.883 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 201.37 Mbit/s
95th percentile per-packet one-way delay: 109.055 ms
Loss rate: 3.70%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

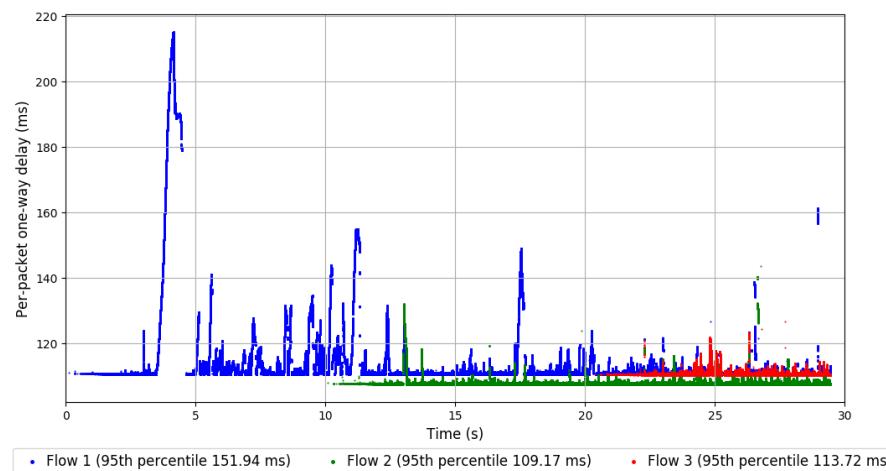
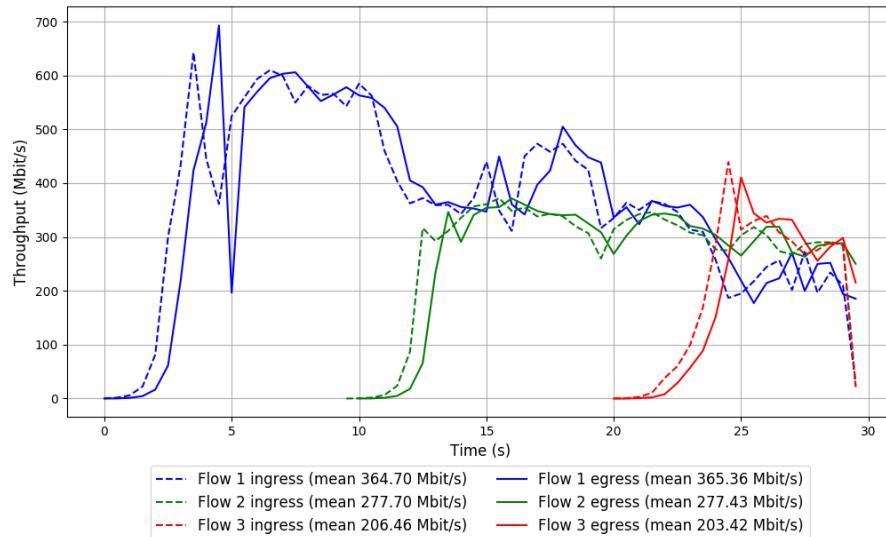


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 04:37:42
End at: 2019-07-12 04:38:12
Local clock offset: 0.309 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2019-07-12 07:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 611.26 Mbit/s
95th percentile per-packet one-way delay: 131.307 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 365.36 Mbit/s
95th percentile per-packet one-way delay: 151.937 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 277.43 Mbit/s
95th percentile per-packet one-way delay: 109.171 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 203.42 Mbit/s
95th percentile per-packet one-way delay: 113.724 ms
Loss rate: 3.79%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

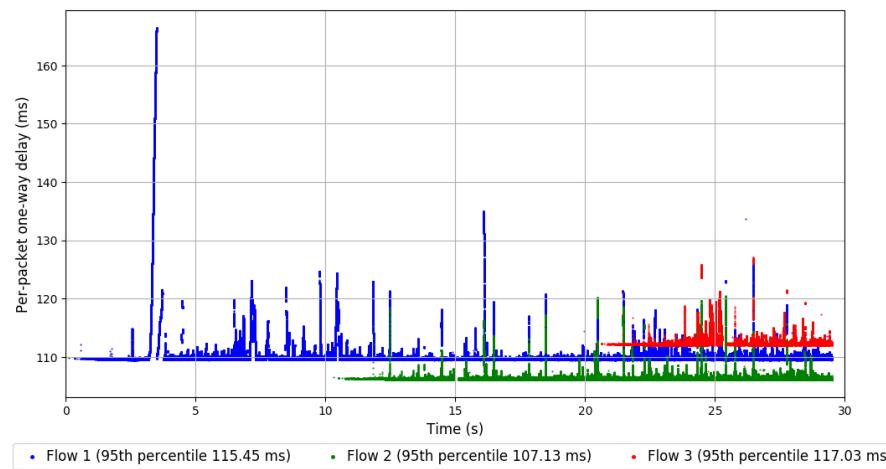
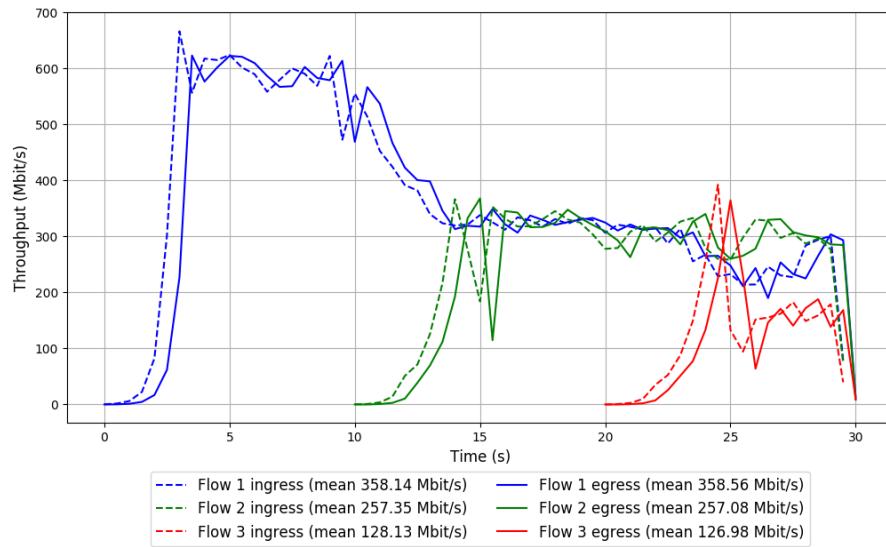


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 05:19:34
End at: 2019-07-12 05:20:04
Local clock offset: -0.354 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2019-07-12 07:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 565.88 Mbit/s
95th percentile per-packet one-way delay: 114.091 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 358.56 Mbit/s
95th percentile per-packet one-way delay: 115.449 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 257.08 Mbit/s
95th percentile per-packet one-way delay: 107.130 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 126.98 Mbit/s
95th percentile per-packet one-way delay: 117.027 ms
Loss rate: 3.25%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

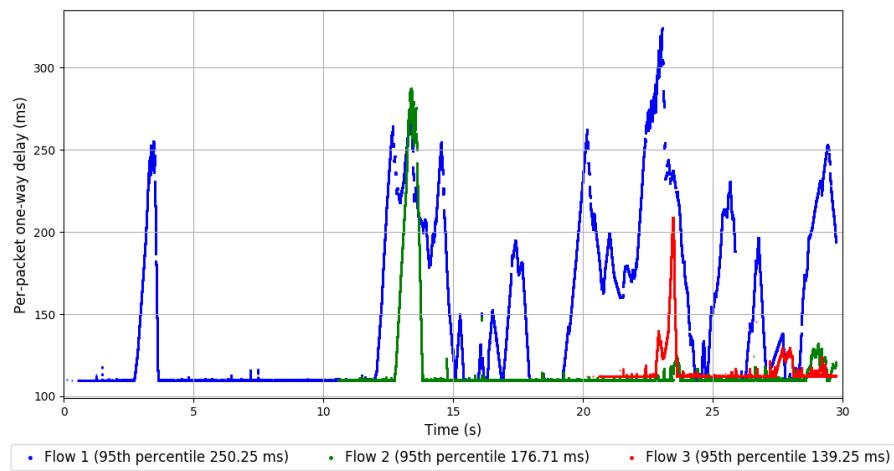
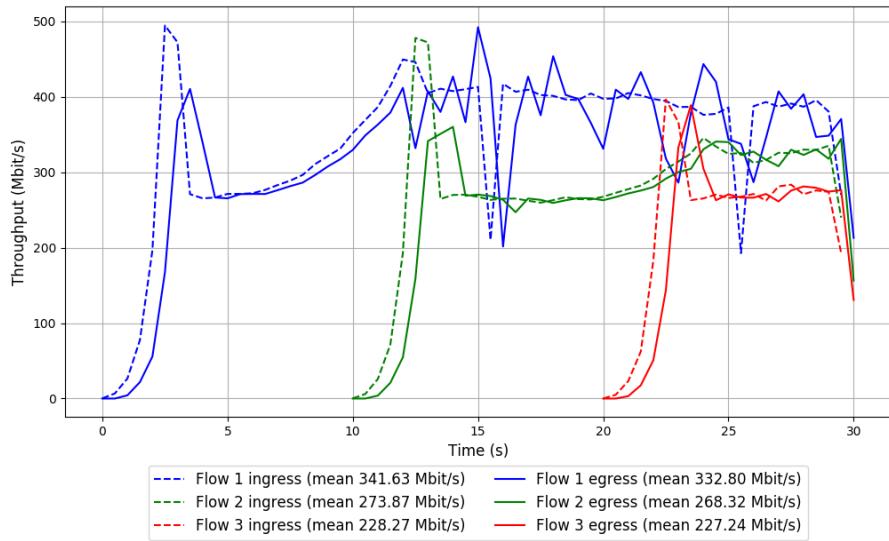


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-12 02:42:25
End at: 2019-07-12 02:42:55
Local clock offset: -0.345 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-12 07:58:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 584.01 Mbit/s
95th percentile per-packet one-way delay: 240.785 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 332.80 Mbit/s
95th percentile per-packet one-way delay: 250.246 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 268.32 Mbit/s
95th percentile per-packet one-way delay: 176.713 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 227.24 Mbit/s
95th percentile per-packet one-way delay: 139.253 ms
Loss rate: 2.74%
```

Run 1: Report of PCC-Allegro — Data Link

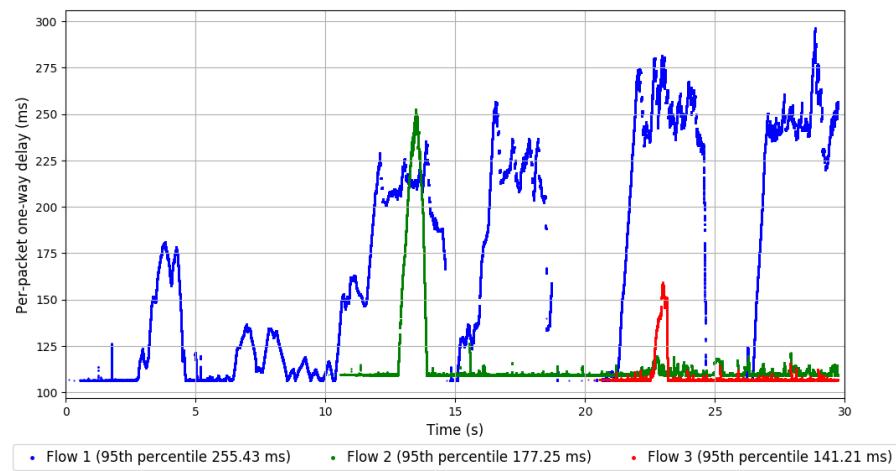
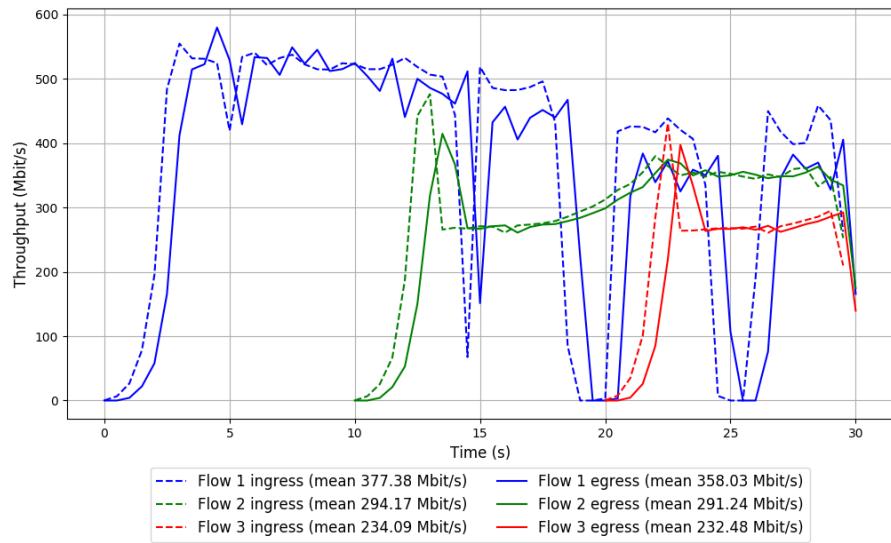


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-12 03:25:09
End at: 2019-07-12 03:25:39
Local clock offset: -0.454 ms
Remote clock offset: -0.133 ms

# Below is generated by plot.py at 2019-07-12 08:03:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 626.37 Mbit/s
95th percentile per-packet one-way delay: 248.027 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 358.03 Mbit/s
95th percentile per-packet one-way delay: 255.431 ms
Loss rate: 5.83%
-- Flow 2:
Average throughput: 291.24 Mbit/s
95th percentile per-packet one-way delay: 177.246 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 232.48 Mbit/s
95th percentile per-packet one-way delay: 141.214 ms
Loss rate: 2.91%
```

Run 2: Report of PCC-Allegro — Data Link

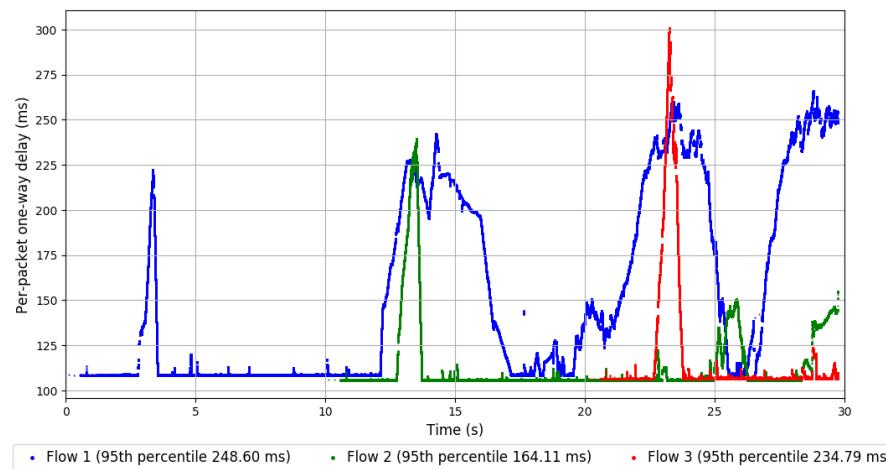
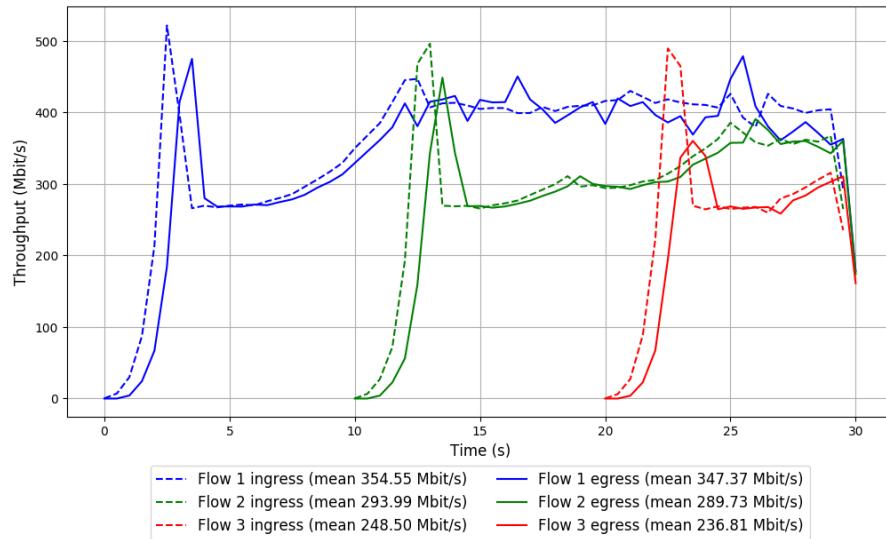


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-12 04:07:54
End at: 2019-07-12 04:08:24
Local clock offset: -0.131 ms
Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2019-07-12 08:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 616.02 Mbit/s
95th percentile per-packet one-way delay: 241.001 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 347.37 Mbit/s
95th percentile per-packet one-way delay: 248.601 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 289.73 Mbit/s
95th percentile per-packet one-way delay: 164.106 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 236.81 Mbit/s
95th percentile per-packet one-way delay: 234.788 ms
Loss rate: 6.82%
```

Run 3: Report of PCC-Allegro — Data Link

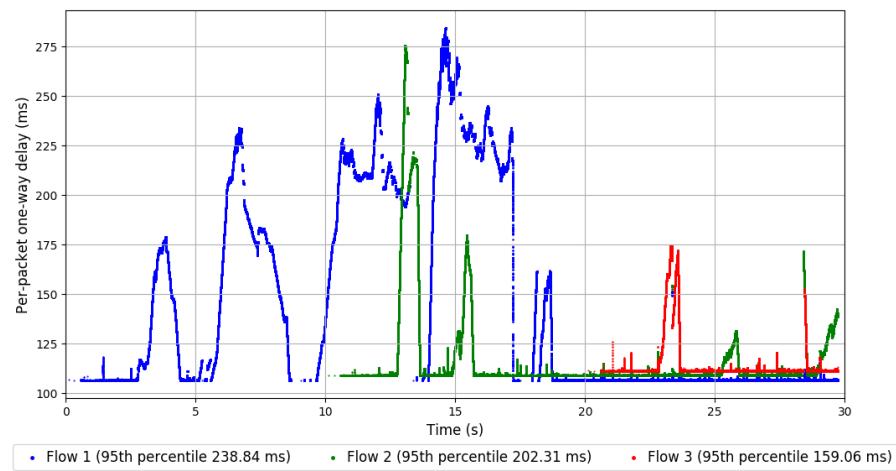
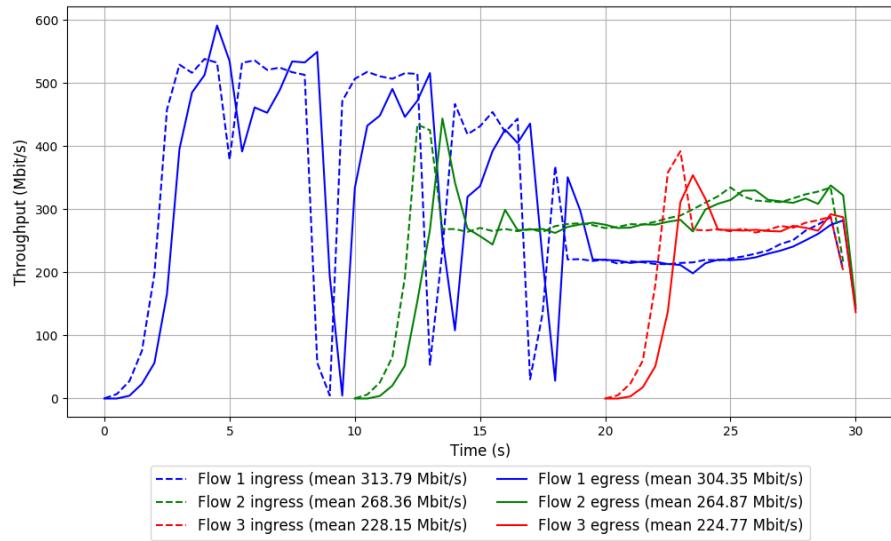


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-12 04:49:48
End at: 2019-07-12 04:50:18
Local clock offset: -0.522 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2019-07-12 08:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.57 Mbit/s
95th percentile per-packet one-way delay: 230.178 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 304.35 Mbit/s
95th percentile per-packet one-way delay: 238.835 ms
Loss rate: 3.71%
-- Flow 2:
Average throughput: 264.87 Mbit/s
95th percentile per-packet one-way delay: 202.311 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 224.77 Mbit/s
95th percentile per-packet one-way delay: 159.058 ms
Loss rate: 3.68%
```

Run 4: Report of PCC-Allegro — Data Link

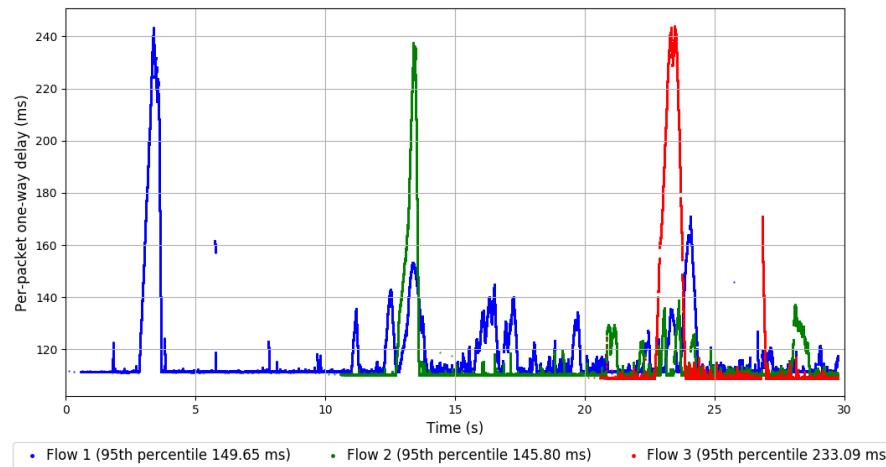
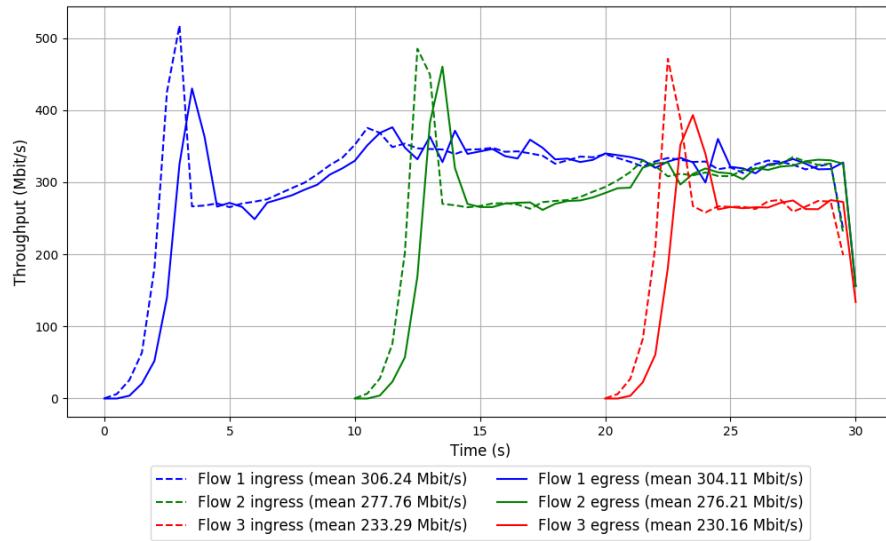


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-12 05:31:36
End at: 2019-07-12 05:32:06
Local clock offset: -0.143 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-12 08:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.79 Mbit/s
95th percentile per-packet one-way delay: 161.706 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 304.11 Mbit/s
95th percentile per-packet one-way delay: 149.648 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 276.21 Mbit/s
95th percentile per-packet one-way delay: 145.801 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 230.16 Mbit/s
95th percentile per-packet one-way delay: 233.094 ms
Loss rate: 3.58%
```

Run 5: Report of PCC-Allegro — Data Link

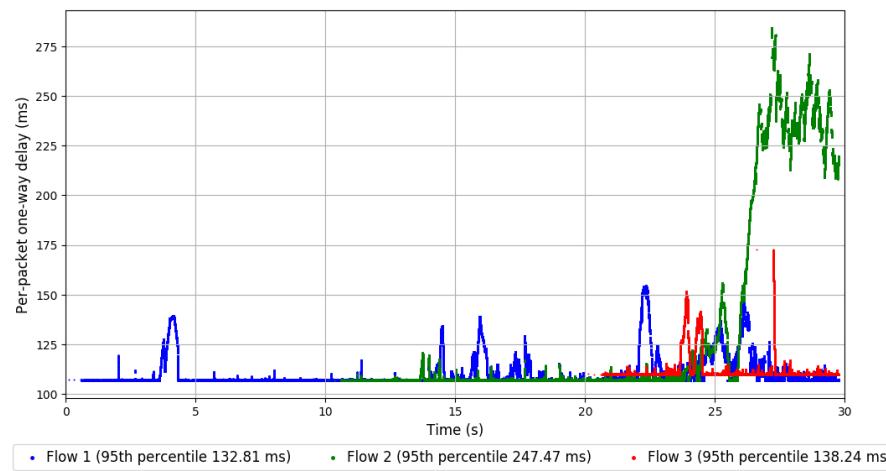
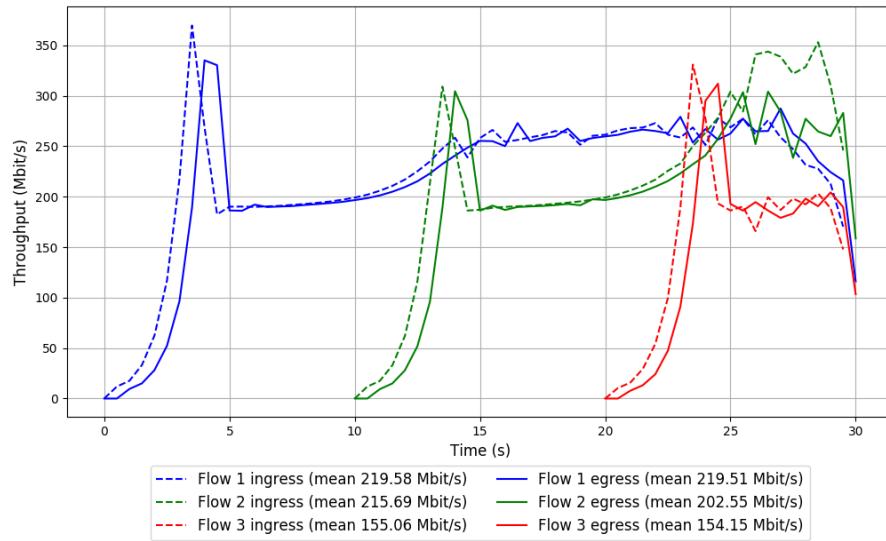


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-12 02:49:01
End at: 2019-07-12 02:49:31
Local clock offset: -0.24 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-07-12 08:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.82 Mbit/s
95th percentile per-packet one-way delay: 230.032 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 219.51 Mbit/s
95th percentile per-packet one-way delay: 132.811 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 202.55 Mbit/s
95th percentile per-packet one-way delay: 247.472 ms
Loss rate: 7.13%
-- Flow 3:
Average throughput: 154.15 Mbit/s
95th percentile per-packet one-way delay: 138.238 ms
Loss rate: 2.84%
```

Run 1: Report of PCC-Expr — Data Link

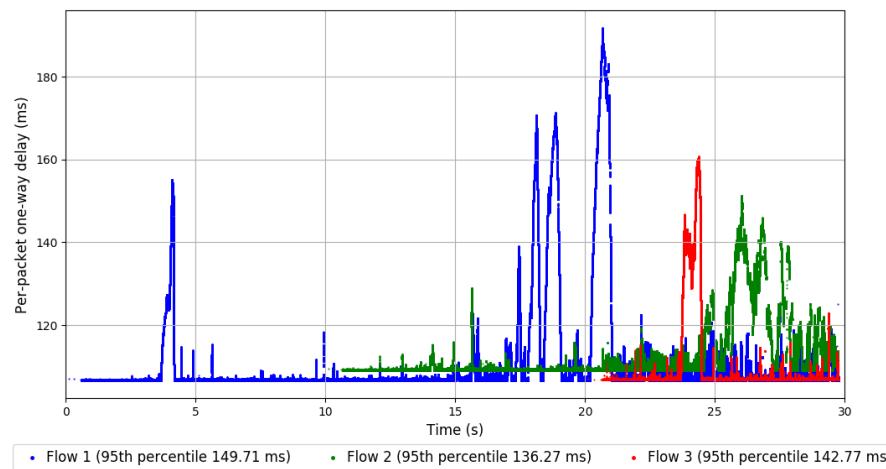
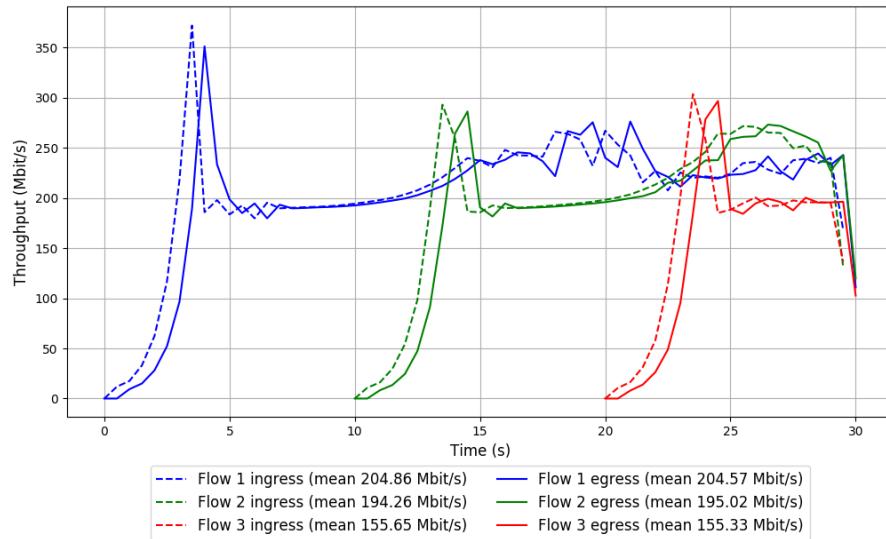


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-12 03:31:40
End at: 2019-07-12 03:32:10
Local clock offset: -0.23 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-07-12 08:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.95 Mbit/s
95th percentile per-packet one-way delay: 140.253 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 204.57 Mbit/s
95th percentile per-packet one-way delay: 149.712 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 195.02 Mbit/s
95th percentile per-packet one-way delay: 136.269 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 155.33 Mbit/s
95th percentile per-packet one-way delay: 142.767 ms
Loss rate: 2.43%
```

Run 2: Report of PCC-Expr — Data Link

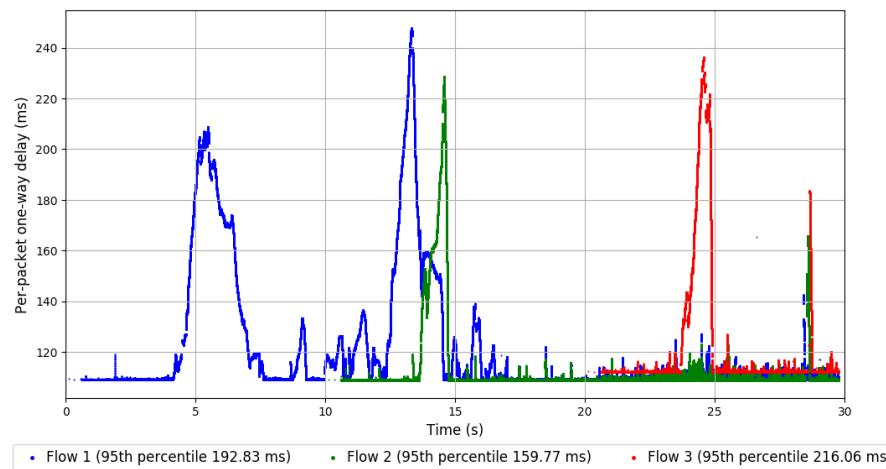
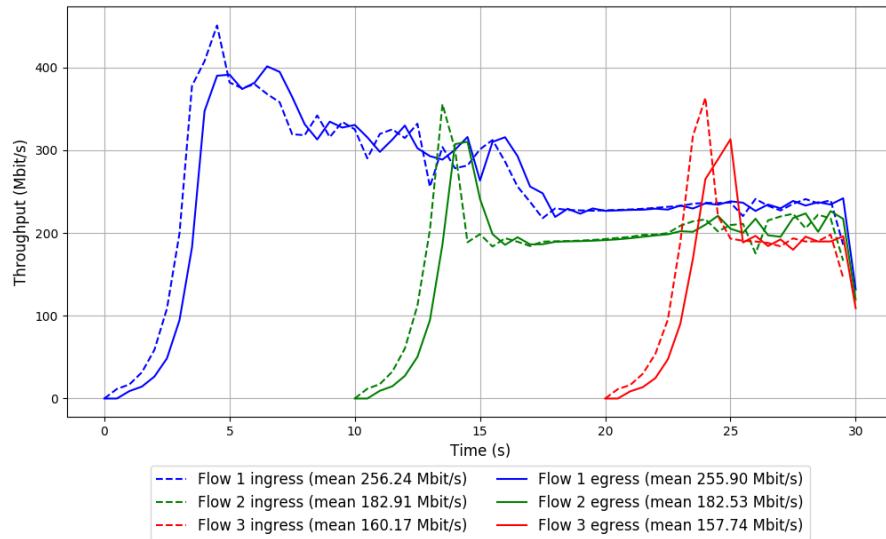


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-12 04:14:28
End at: 2019-07-12 04:14:58
Local clock offset: -0.156 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-07-12 08:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.12 Mbit/s
95th percentile per-packet one-way delay: 190.677 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 255.90 Mbit/s
95th percentile per-packet one-way delay: 192.828 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 182.53 Mbit/s
95th percentile per-packet one-way delay: 159.770 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 157.74 Mbit/s
95th percentile per-packet one-way delay: 216.059 ms
Loss rate: 3.72%
```

Run 3: Report of PCC-Expr — Data Link

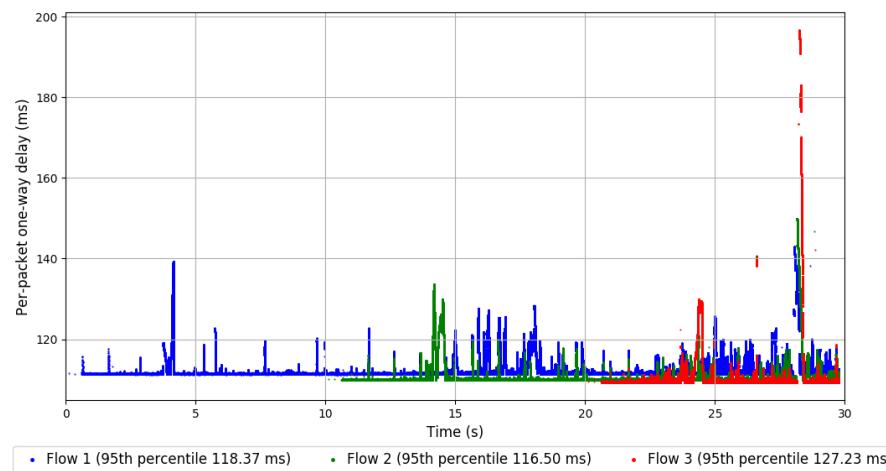
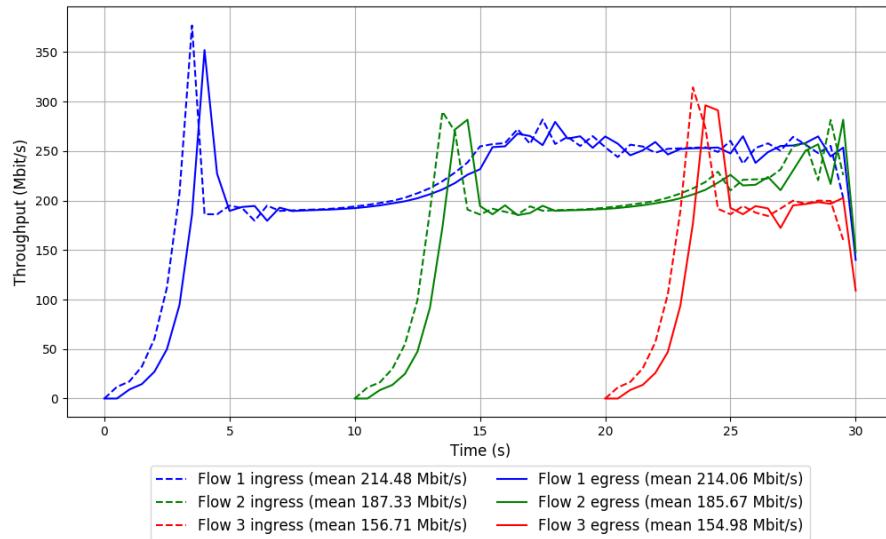


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-12 04:56:15
End at: 2019-07-12 04:56:45
Local clock offset: -0.435 ms
Remote clock offset: -0.394 ms

# Below is generated by plot.py at 2019-07-12 08:11:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.44 Mbit/s
95th percentile per-packet one-way delay: 118.441 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 118.369 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 116.497 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 154.98 Mbit/s
95th percentile per-packet one-way delay: 127.231 ms
Loss rate: 3.29%
```

Run 4: Report of PCC-Expr — Data Link

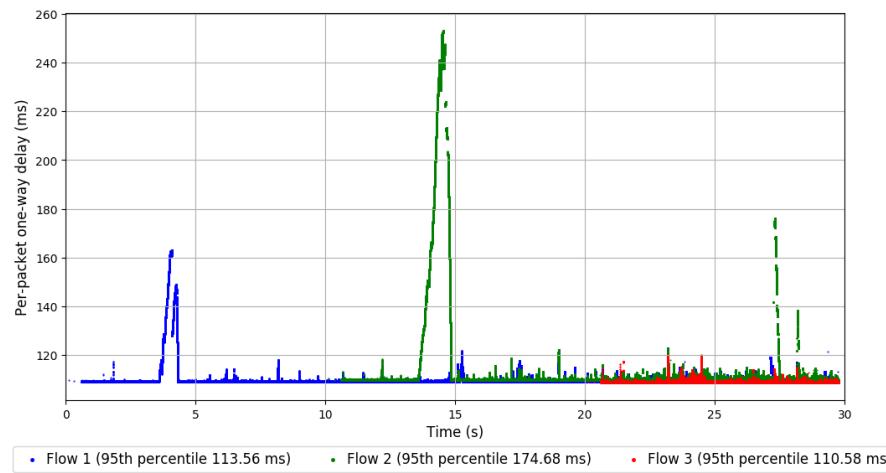
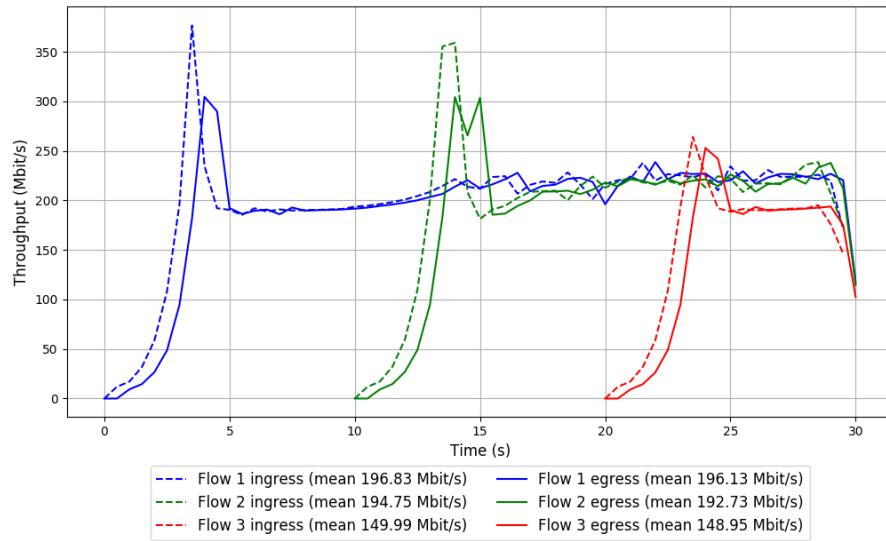


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-12 05:38:07
End at: 2019-07-12 05:38:37
Local clock offset: -0.098 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.17 Mbit/s
95th percentile per-packet one-way delay: 127.597 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 196.13 Mbit/s
95th percentile per-packet one-way delay: 113.565 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 192.73 Mbit/s
95th percentile per-packet one-way delay: 174.680 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 148.95 Mbit/s
95th percentile per-packet one-way delay: 110.576 ms
Loss rate: 2.95%
```

Run 5: Report of PCC-Expr — Data Link

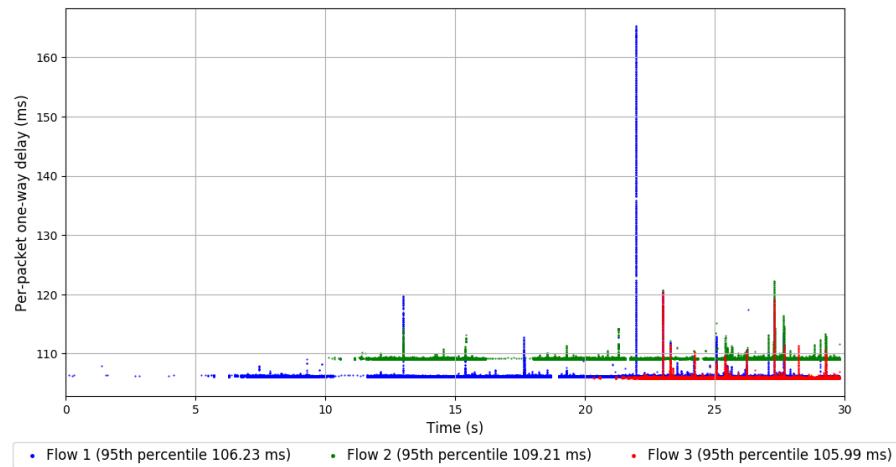
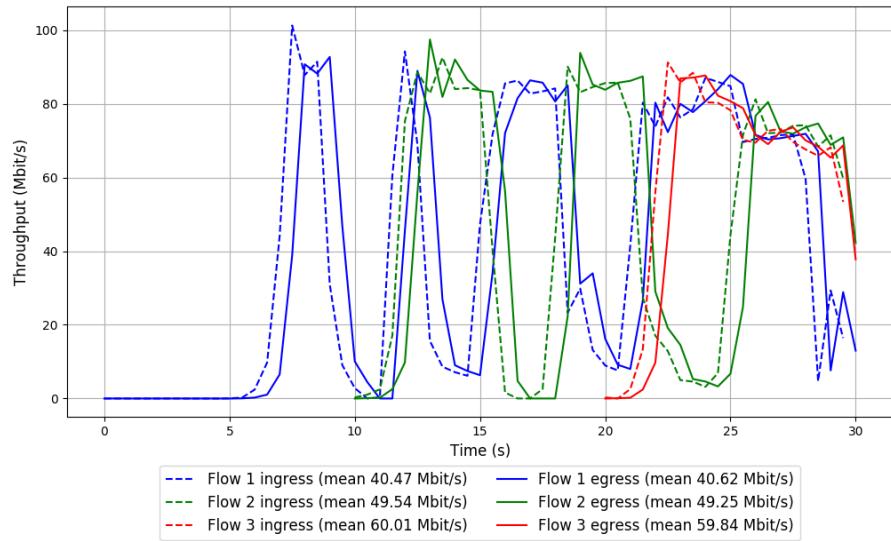


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-12 02:37:19
End at: 2019-07-12 02:37:49
Local clock offset: -0.907 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 109.163 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 106.230 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 109.212 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 105.986 ms
Loss rate: 2.50%
```

Run 1: Report of QUIC Cubic — Data Link

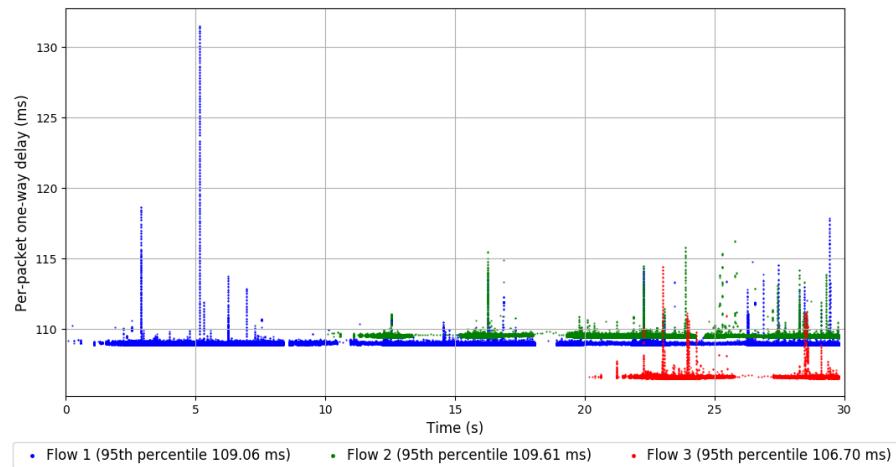
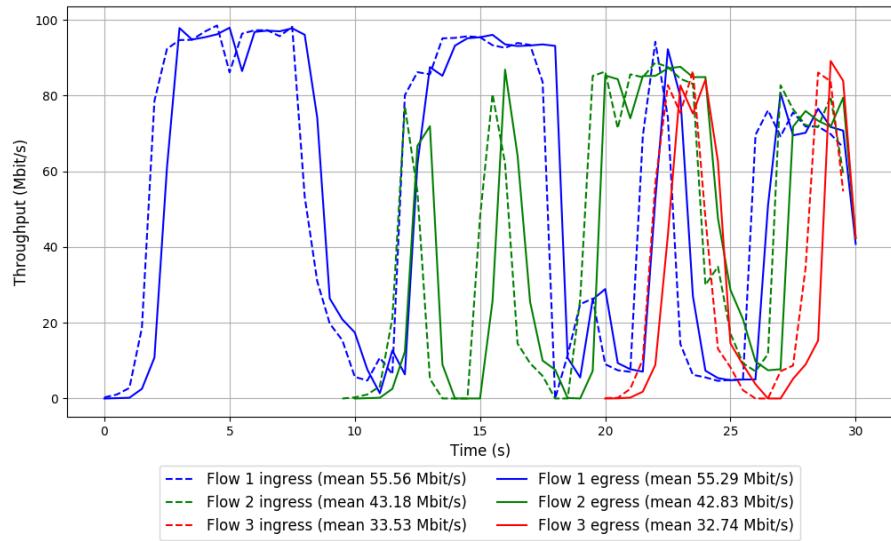


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-12 03:20:06
End at: 2019-07-12 03:20:36
Local clock offset: -0.258 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 109.550 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 109.064 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 109.608 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 106.703 ms
Loss rate: 4.53%
```

Run 2: Report of QUIC Cubic — Data Link

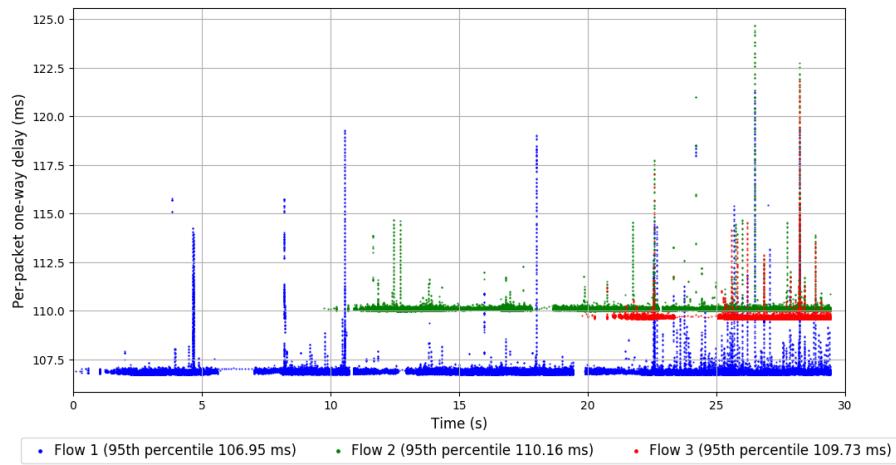
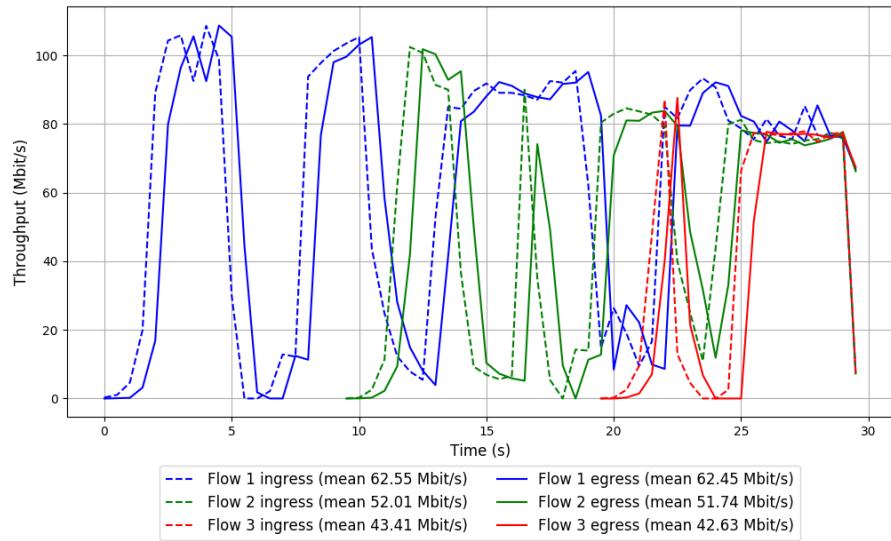


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-12 04:02:44
End at: 2019-07-12 04:03:15
Local clock offset: -0.135 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 111.18 Mbit/s
95th percentile per-packet one-way delay: 110.107 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 106.946 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 110.158 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 109.726 ms
Loss rate: 4.01%
```

Run 3: Report of QUIC Cubic — Data Link

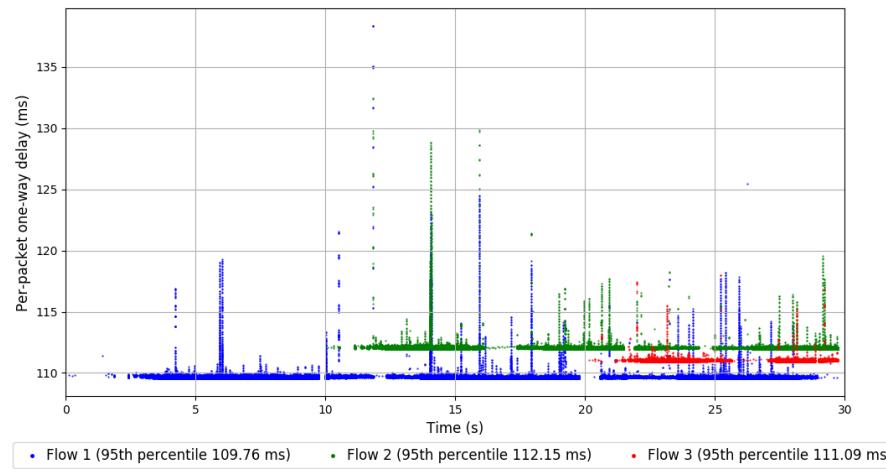
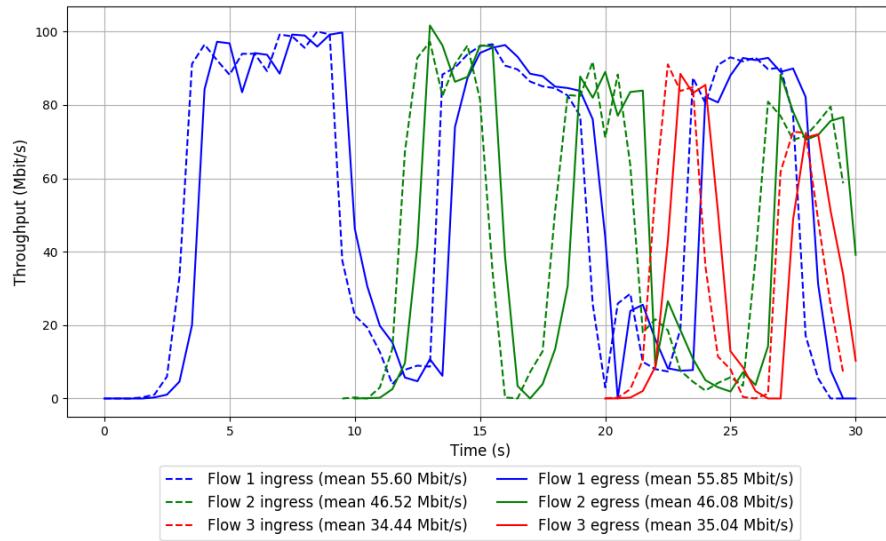


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-12 04:44:59
End at: 2019-07-12 04:45:29
Local clock offset: -0.455 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.70 Mbit/s
95th percentile per-packet one-way delay: 112.085 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: 109.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 112.149 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 111.093 ms
Loss rate: 0.36%
```

Run 4: Report of QUIC Cubic — Data Link

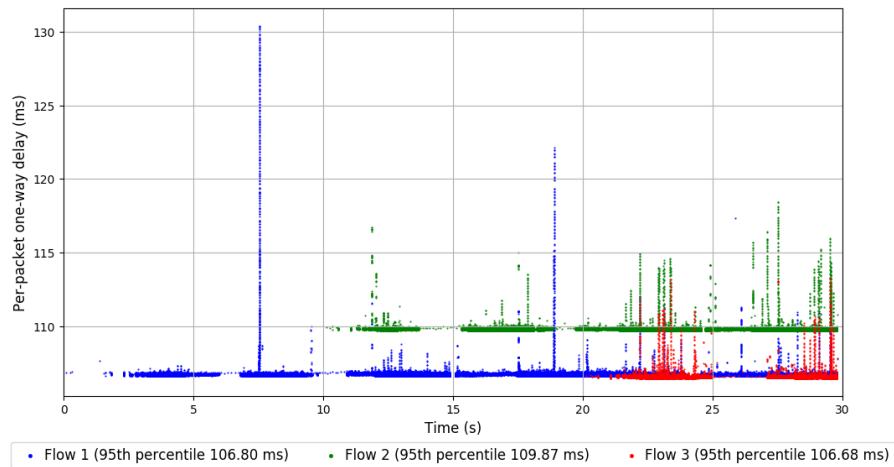
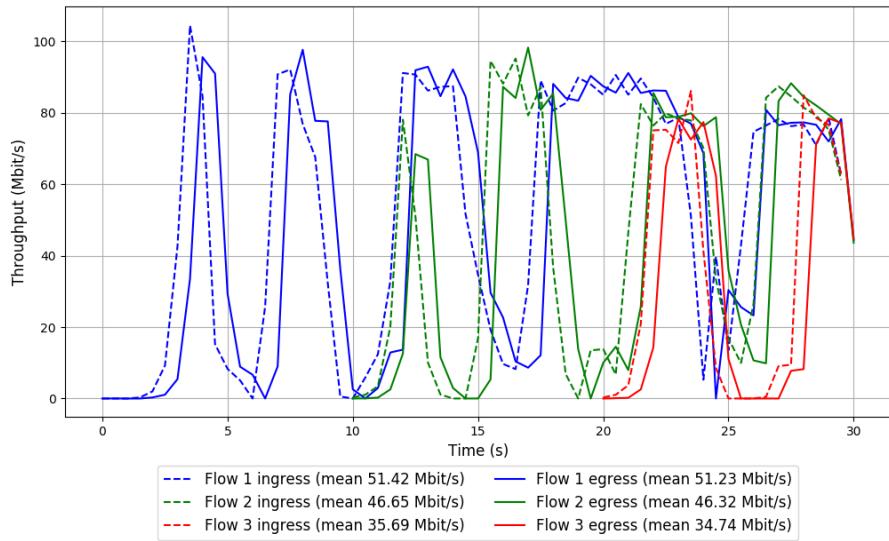


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-12 05:26:44
End at: 2019-07-12 05:27:14
Local clock offset: -0.26 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 109.819 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 106.797 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 109.873 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 106.682 ms
Loss rate: 4.84%
```

Run 5: Report of QUIC Cubic — Data Link

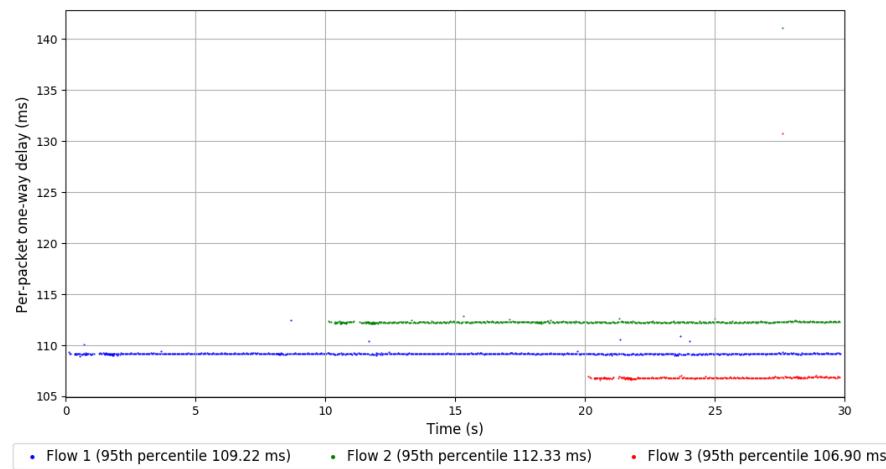
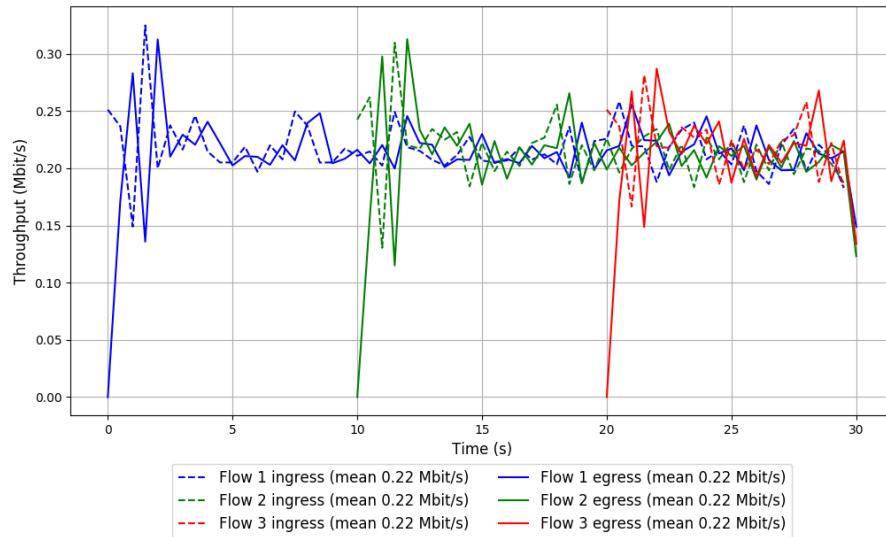


Run 1: Statistics of SCReAM

```
Start at: 2019-07-12 02:45:44
End at: 2019-07-12 02:46:14
Local clock offset: -0.205 ms
Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.287 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.218 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.333 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.899 ms
Loss rate: 2.22%
```

Run 1: Report of SCReAM — Data Link

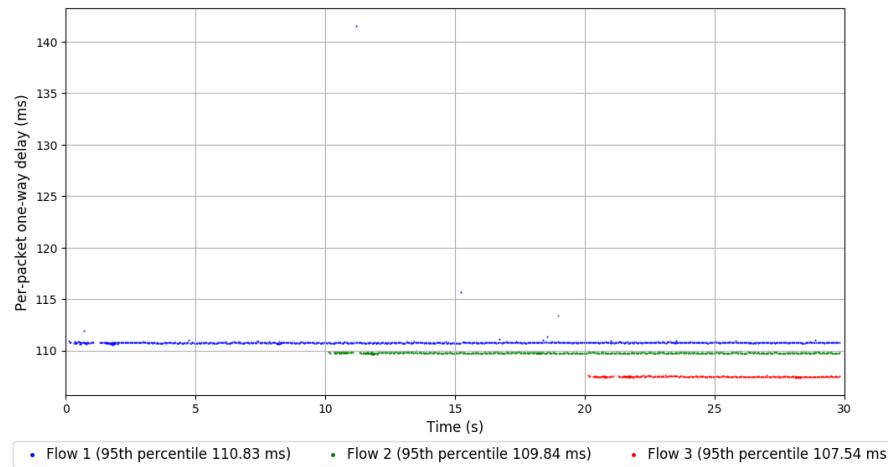
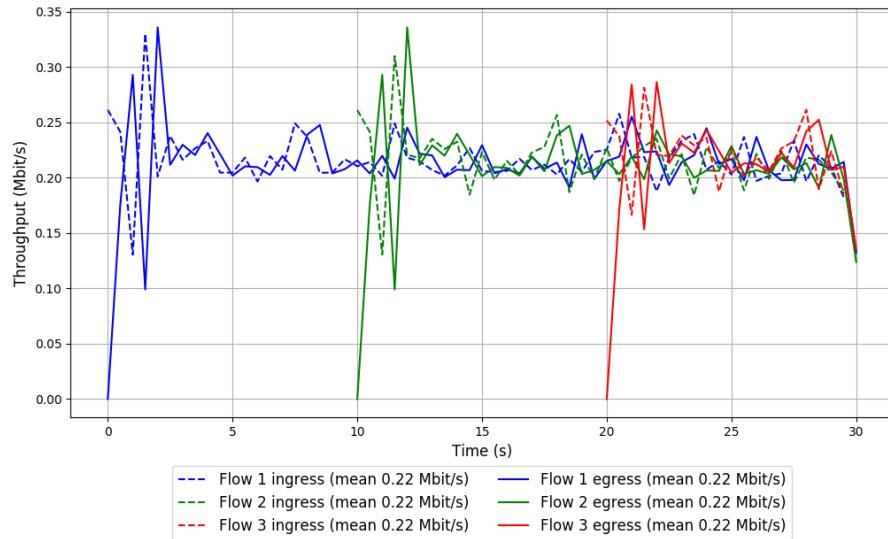


Run 2: Statistics of SCReAM

```
Start at: 2019-07-12 03:28:30
End at: 2019-07-12 03:29:00
Local clock offset: -0.219 ms
Remote clock offset: -0.508 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.806 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.831 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.840 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.537 ms
Loss rate: 2.22%
```

Run 2: Report of SCReAM — Data Link

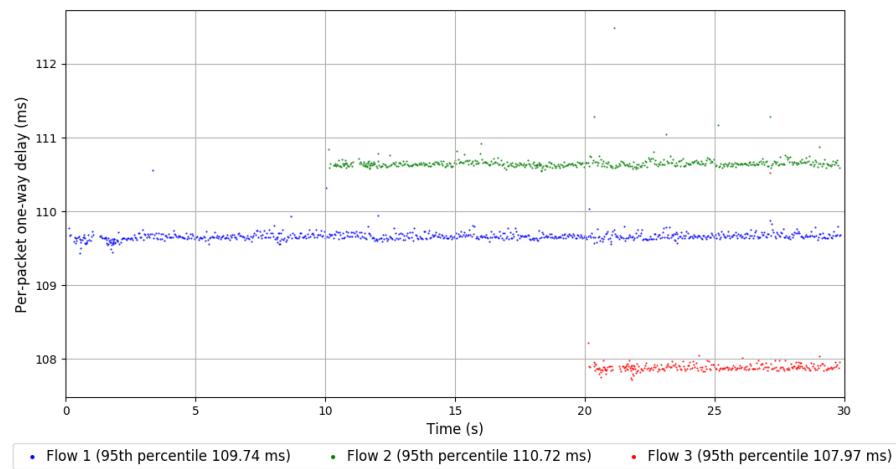
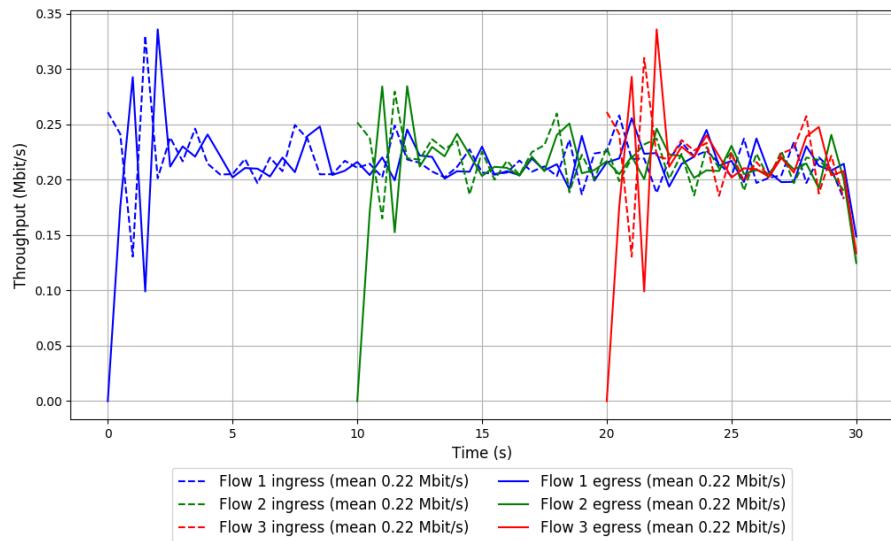


Run 3: Statistics of SCReAM

```
Start at: 2019-07-12 04:11:13
End at: 2019-07-12 04:11:43
Local clock offset: -0.729 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.678 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.742 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.721 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.973 ms
Loss rate: 2.21%
```

Run 3: Report of SCReAM — Data Link

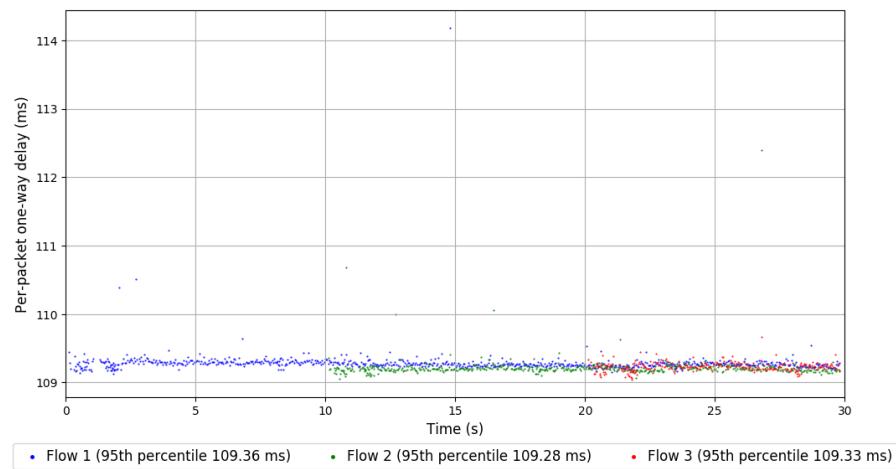
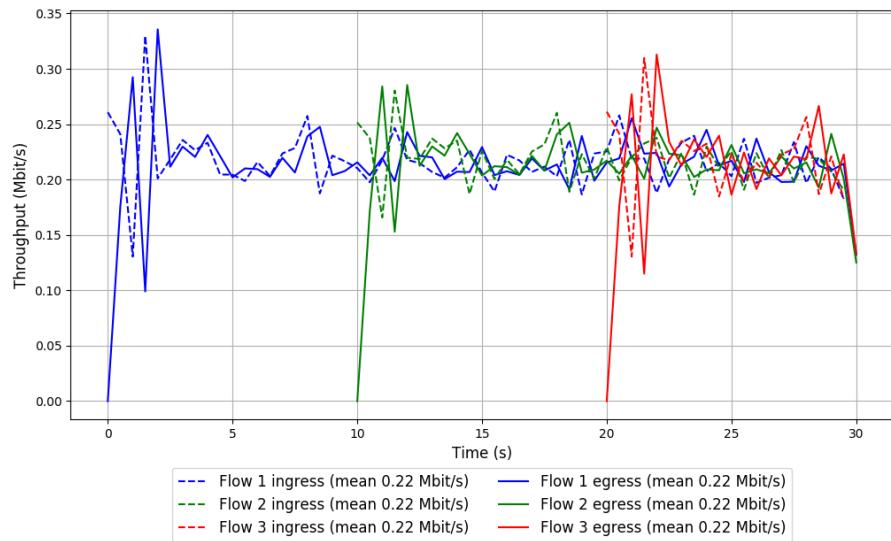


Run 4: Statistics of SCReAM

```
Start at: 2019-07-12 04:53:03
End at: 2019-07-12 04:53:33
Local clock offset: -0.392 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.344 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.361 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.280 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.330 ms
Loss rate: 2.21%
```

Run 4: Report of SCReAM — Data Link

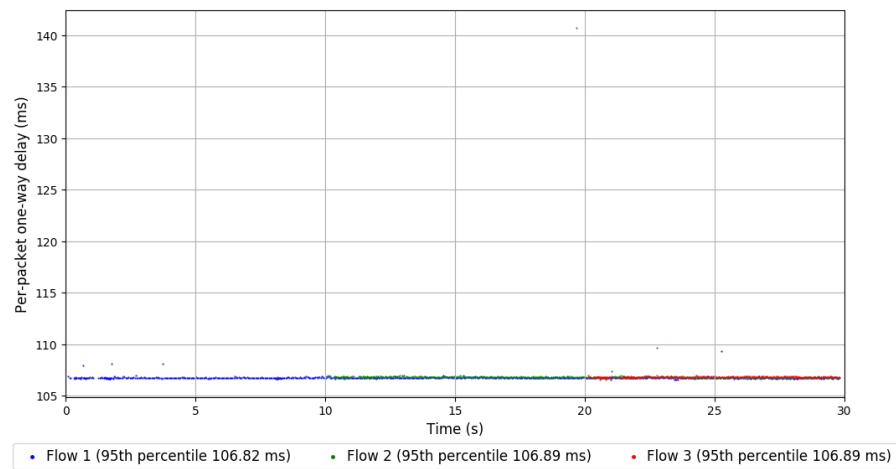
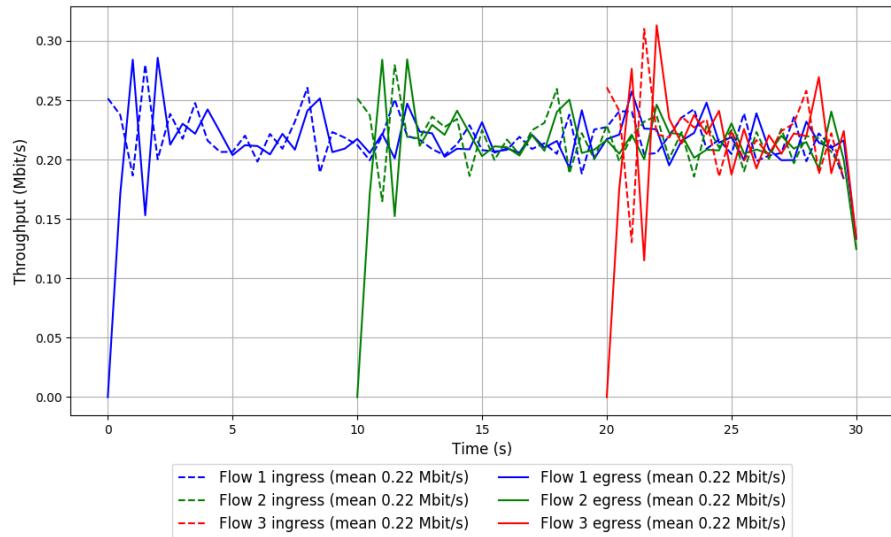


Run 5: Statistics of SCReAM

```
Start at: 2019-07-12 05:34:52
End at: 2019-07-12 05:35:22
Local clock offset: -0.193 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 106.871 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.824 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.885 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.891 ms
Loss rate: 2.22%
```

Run 5: Report of SCReAM — Data Link

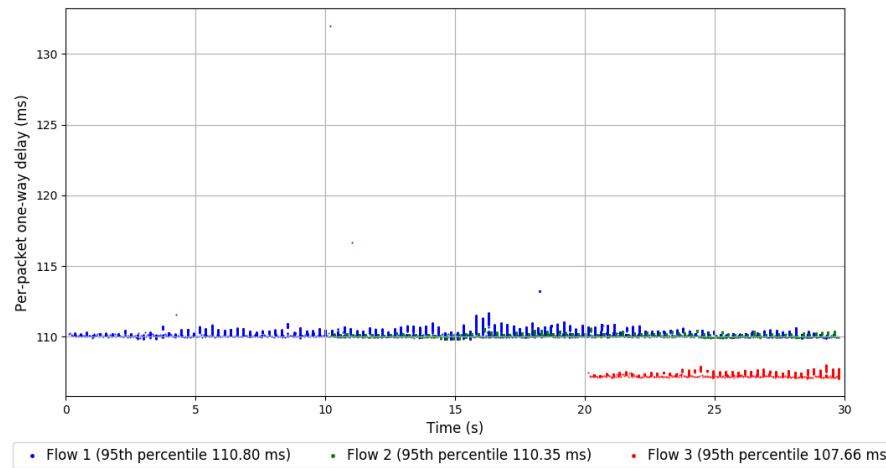
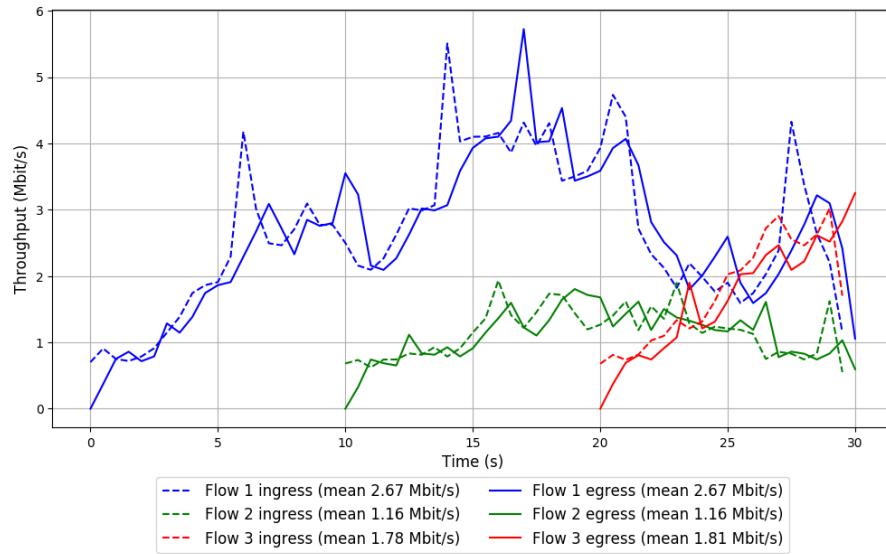


Run 1: Statistics of Sprout

```
Start at: 2019-07-12 02:51:01
End at: 2019-07-12 02:51:31
Local clock offset: -0.026 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 110.728 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 110.800 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 110.354 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 107.658 ms
Loss rate: 0.02%
```

Run 1: Report of Sprout — Data Link

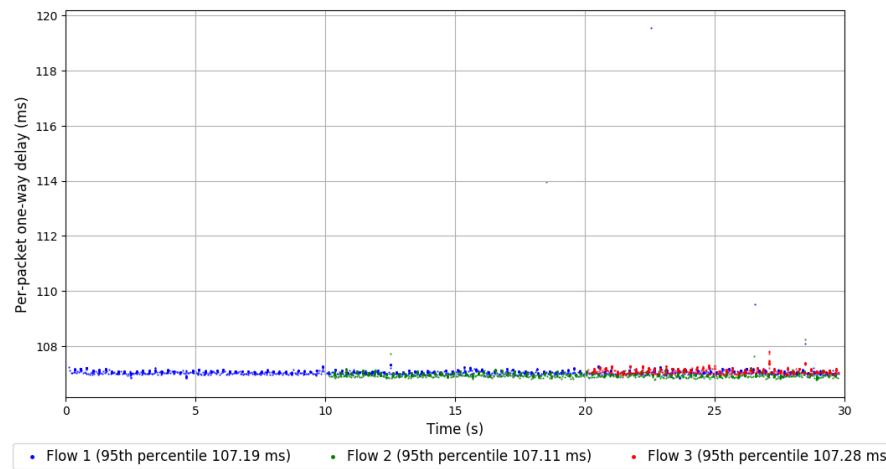
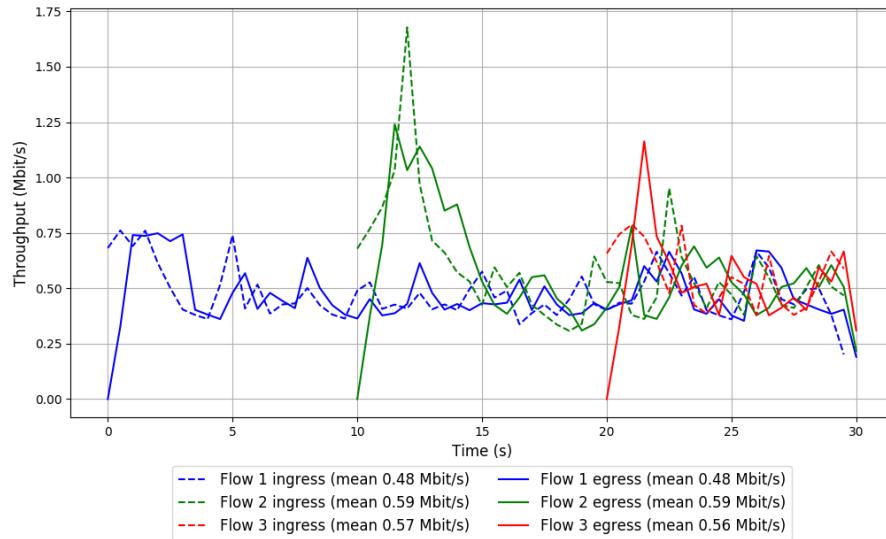


Run 2: Statistics of Sprout

```
Start at: 2019-07-12 03:33:37
End at: 2019-07-12 03:34:07
Local clock offset: -0.162 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 107.215 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 107.191 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 107.106 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 107.275 ms
Loss rate: 2.53%
```

Run 2: Report of Sprout — Data Link

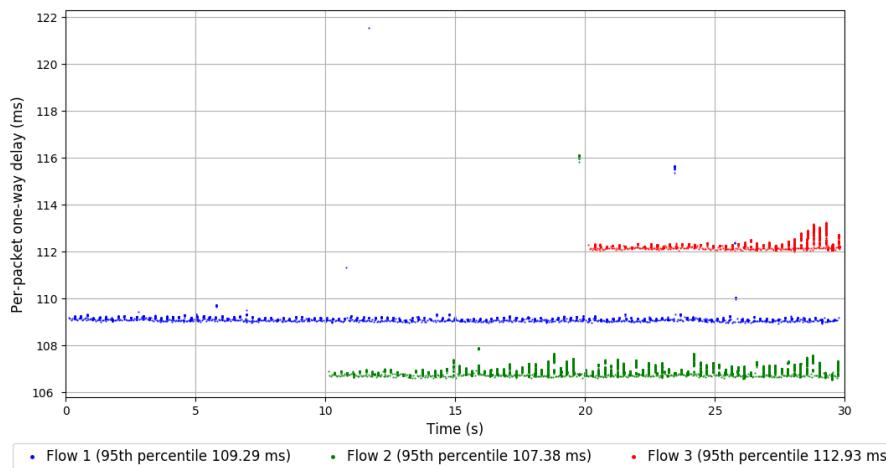
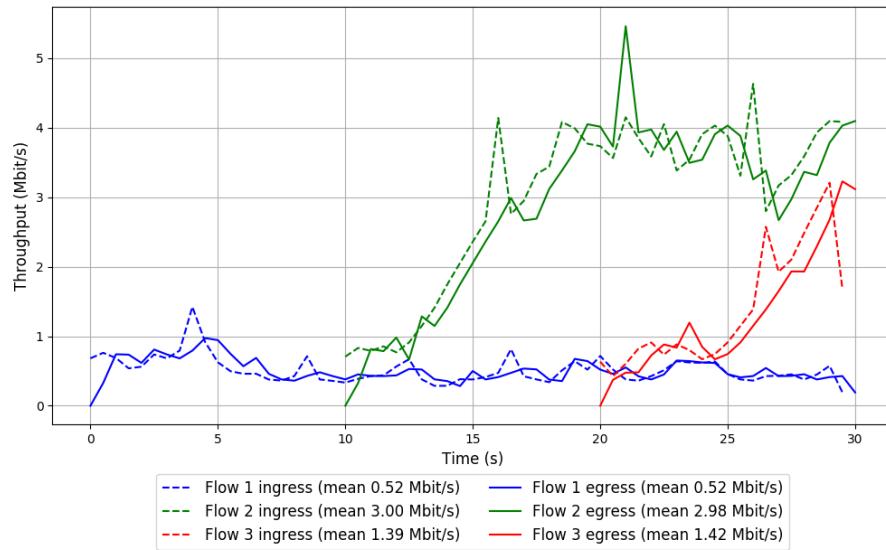


Run 3: Statistics of Sprout

```
Start at: 2019-07-12 04:16:30
End at: 2019-07-12 04:17:00
Local clock offset: -0.475 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 112.431 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 109.288 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 107.383 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 0.02%
```

Run 3: Report of Sprout — Data Link

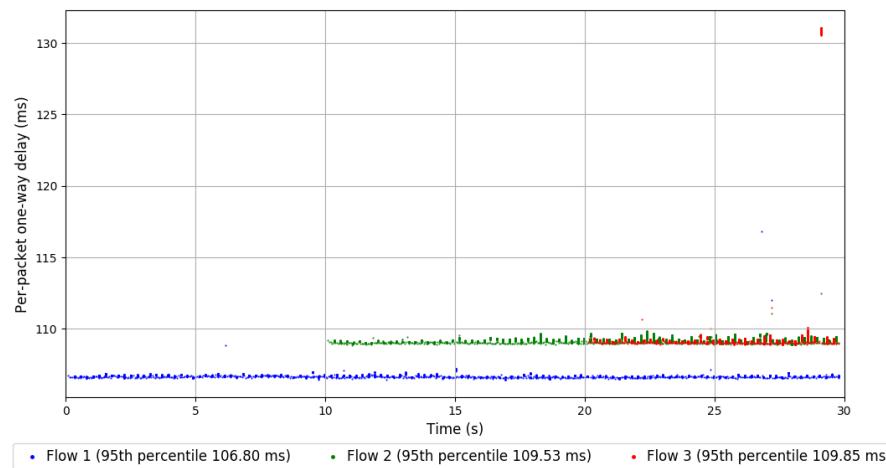
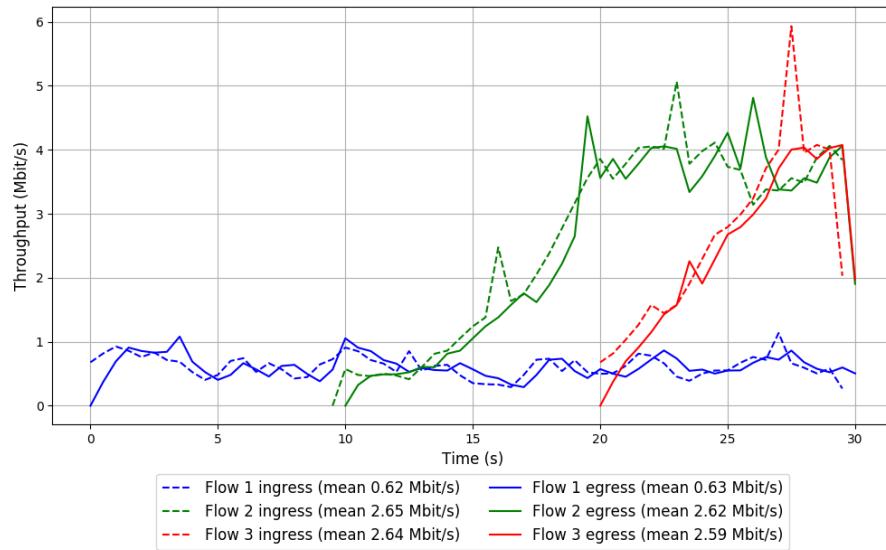


Run 4: Statistics of Sprout

```
Start at: 2019-07-12 04:58:12
End at: 2019-07-12 04:58:42
Local clock offset: -0.554 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 109.515 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 106.801 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 109.528 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 109.853 ms
Loss rate: 3.89%
```

Run 4: Report of Sprout — Data Link

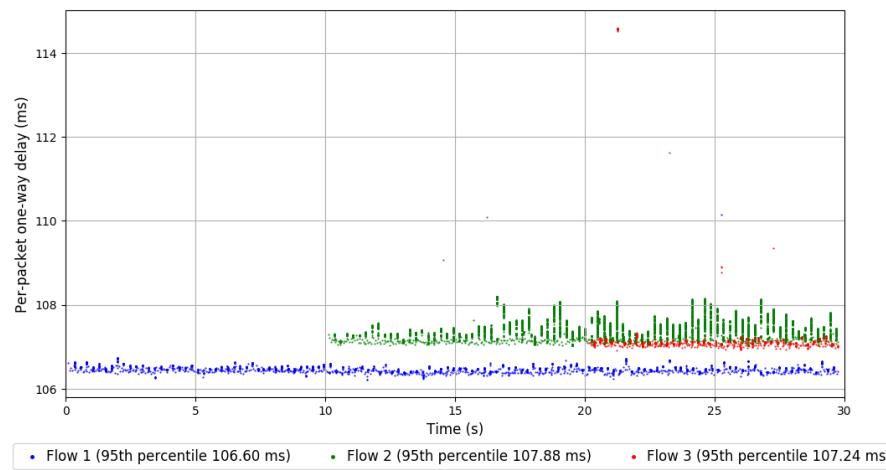
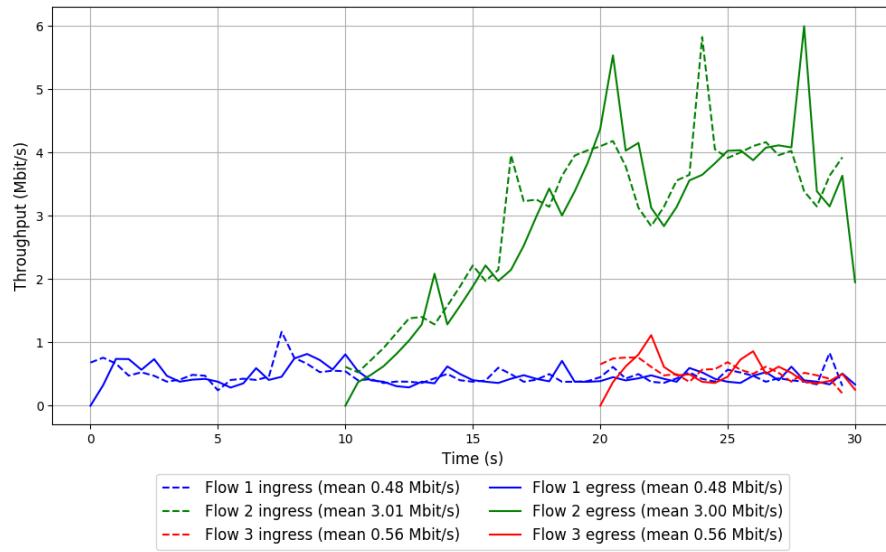


Run 5: Statistics of Sprout

```
Start at: 2019-07-12 05:40:04
End at: 2019-07-12 05:40:34
Local clock offset: 0.028 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-07-12 08:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 107.824 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 106.603 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 107.877 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 107.238 ms
Loss rate: 1.15%
```

Run 5: Report of Sprout — Data Link

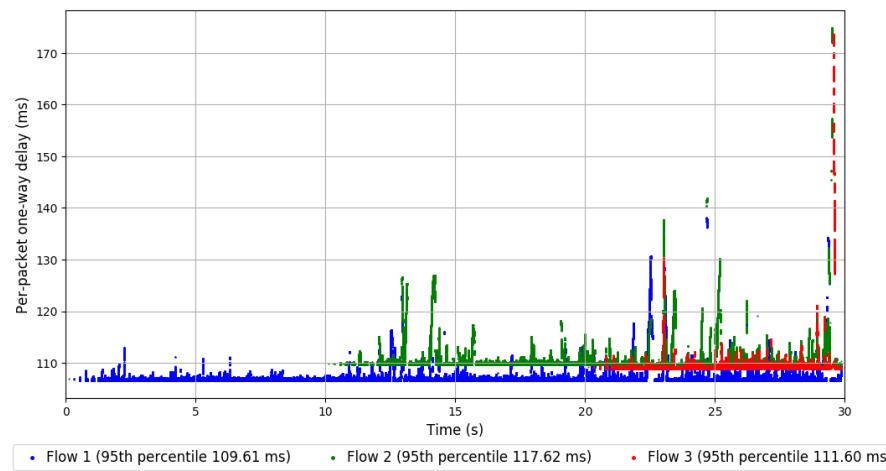
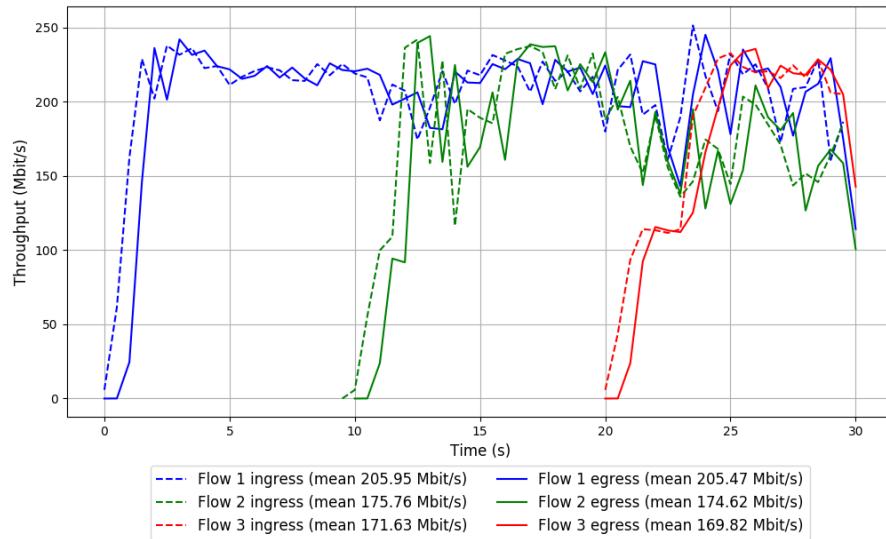


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-12 02:26:55
End at: 2019-07-12 02:27:25
Local clock offset: -0.176 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-07-12 08:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.97 Mbit/s
95th percentile per-packet one-way delay: 113.027 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 205.47 Mbit/s
95th percentile per-packet one-way delay: 109.607 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 174.62 Mbit/s
95th percentile per-packet one-way delay: 117.625 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 169.82 Mbit/s
95th percentile per-packet one-way delay: 111.602 ms
Loss rate: 3.26%
```

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

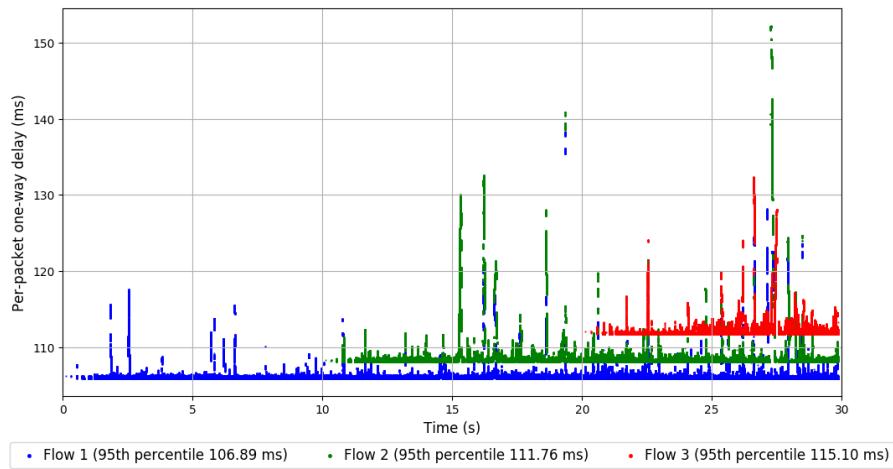
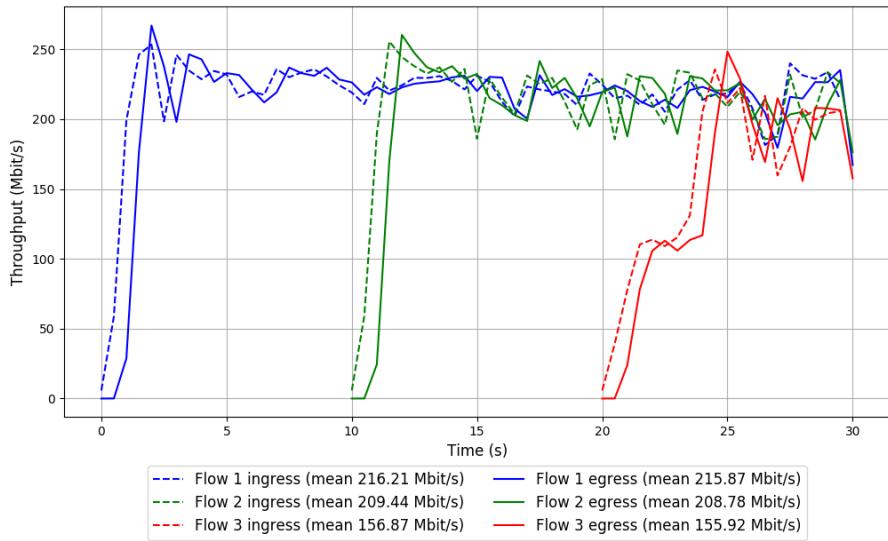


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-12 03:09:13
End at: 2019-07-12 03:09:43
Local clock offset: -0.433 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-07-12 08:17:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.38 Mbit/s
95th percentile per-packet one-way delay: 112.615 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 215.87 Mbit/s
95th percentile per-packet one-way delay: 106.886 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 208.78 Mbit/s
95th percentile per-packet one-way delay: 111.761 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 155.92 Mbit/s
95th percentile per-packet one-way delay: 115.096 ms
Loss rate: 2.82%
```

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

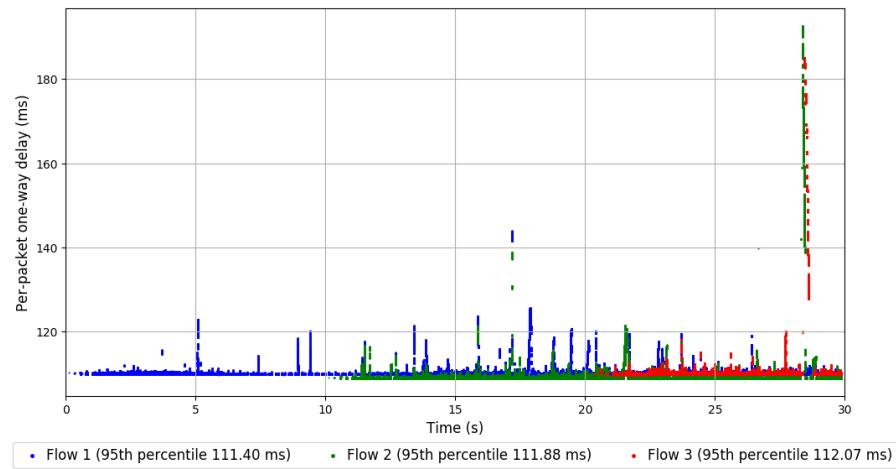
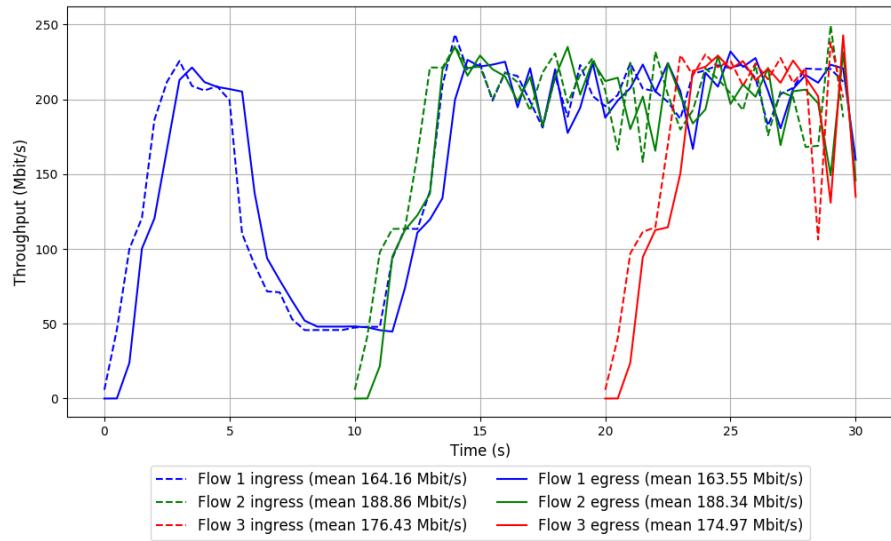


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-12 03:52:02
End at: 2019-07-12 03:52:32
Local clock offset: -0.106 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-07-12 08:17:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.80 Mbit/s
95th percentile per-packet one-way delay: 111.667 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 163.55 Mbit/s
95th percentile per-packet one-way delay: 111.401 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 188.34 Mbit/s
95th percentile per-packet one-way delay: 111.881 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 174.97 Mbit/s
95th percentile per-packet one-way delay: 112.069 ms
Loss rate: 3.02%
```

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

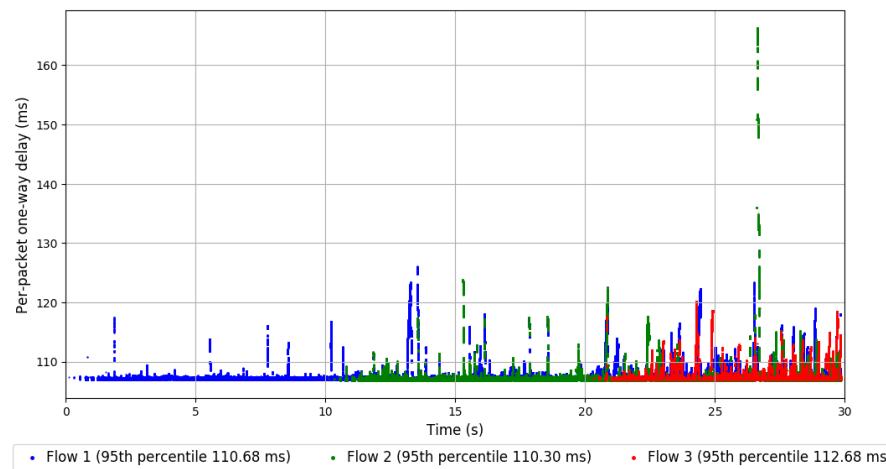
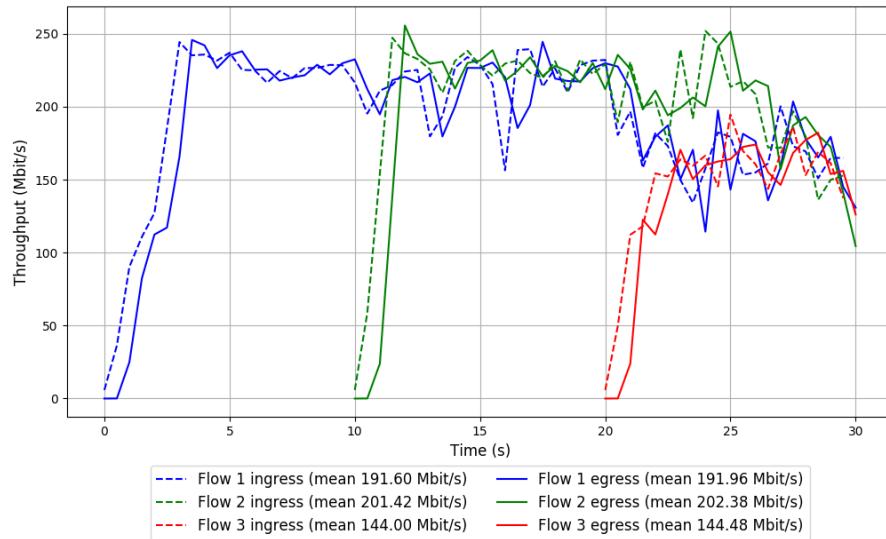


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-12 04:34:27
End at: 2019-07-12 04:34:57
Local clock offset: -0.062 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2019-07-12 08:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.22 Mbit/s
95th percentile per-packet one-way delay: 110.969 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 110.678 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 202.38 Mbit/s
95th percentile per-packet one-way delay: 110.297 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 144.48 Mbit/s
95th percentile per-packet one-way delay: 112.682 ms
Loss rate: 1.83%
```

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

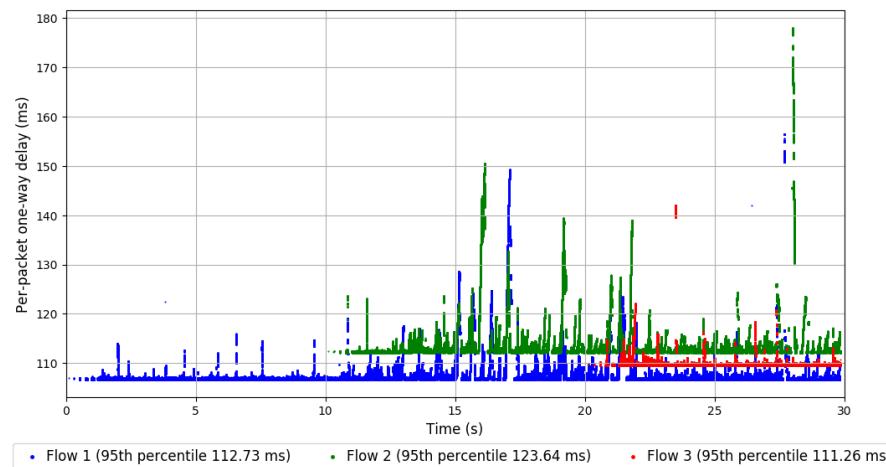
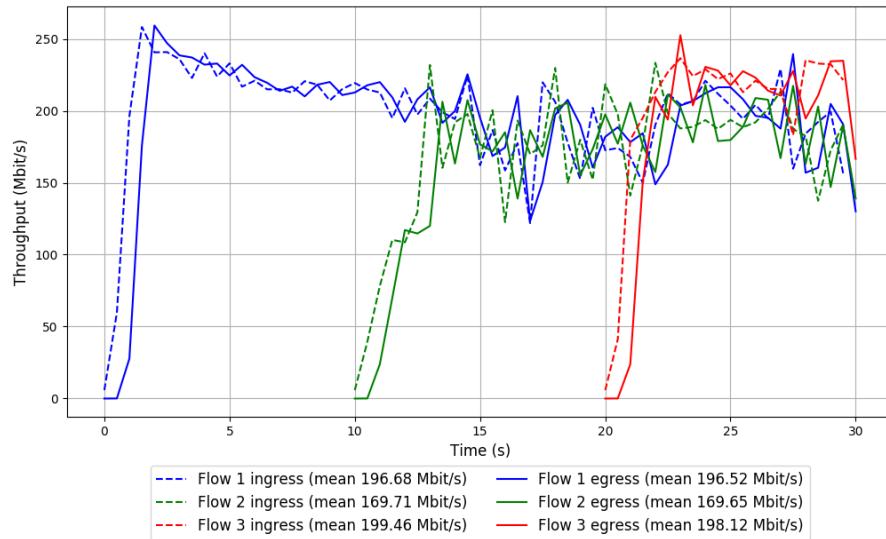


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-12 05:16:18
End at: 2019-07-12 05:16:48
Local clock offset: -0.507 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-07-12 08:18:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.59 Mbit/s
95th percentile per-packet one-way delay: 116.802 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 196.52 Mbit/s
95th percentile per-packet one-way delay: 112.734 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 169.65 Mbit/s
95th percentile per-packet one-way delay: 123.643 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 198.12 Mbit/s
95th percentile per-packet one-way delay: 111.262 ms
Loss rate: 2.86%
```

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

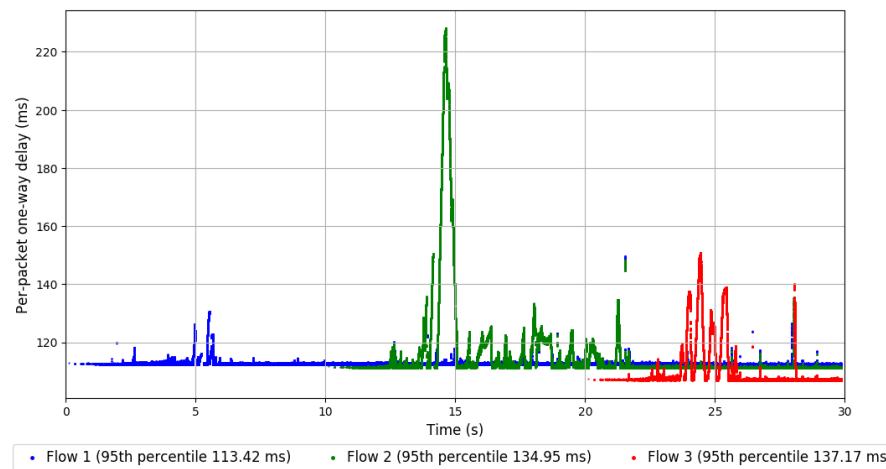
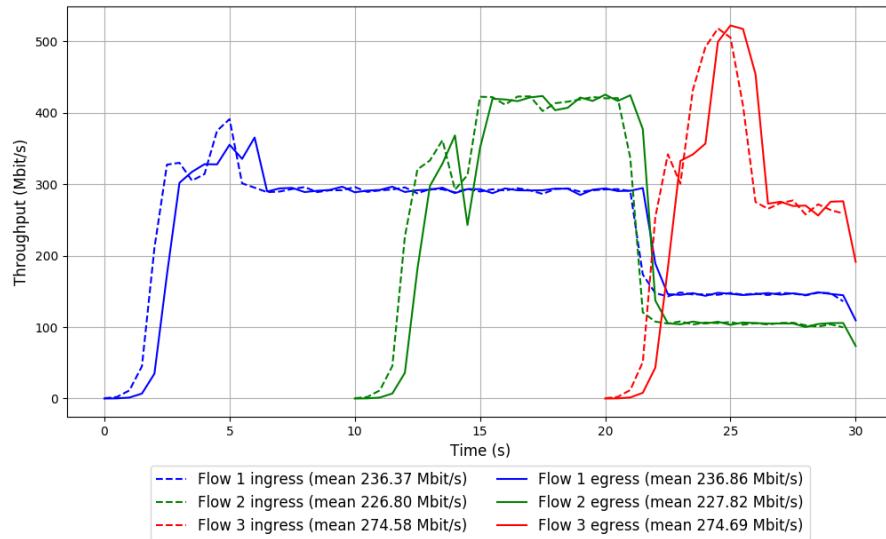


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-12 02:23:20
End at: 2019-07-12 02:23:50
Local clock offset: 0.157 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-07-12 08:18:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 477.93 Mbit/s
95th percentile per-packet one-way delay: 126.268 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 236.86 Mbit/s
95th percentile per-packet one-way delay: 113.425 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 227.82 Mbit/s
95th percentile per-packet one-way delay: 134.950 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 274.69 Mbit/s
95th percentile per-packet one-way delay: 137.173 ms
Loss rate: 2.15%
```

Run 1: Report of TCP Vegas — Data Link

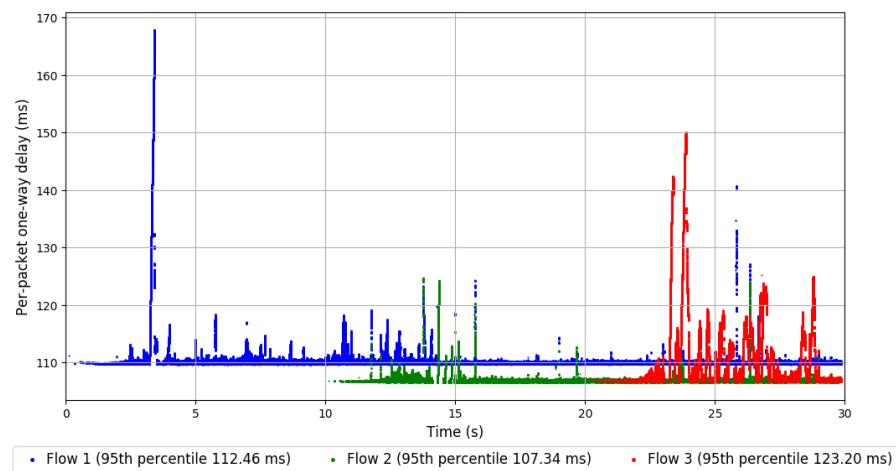
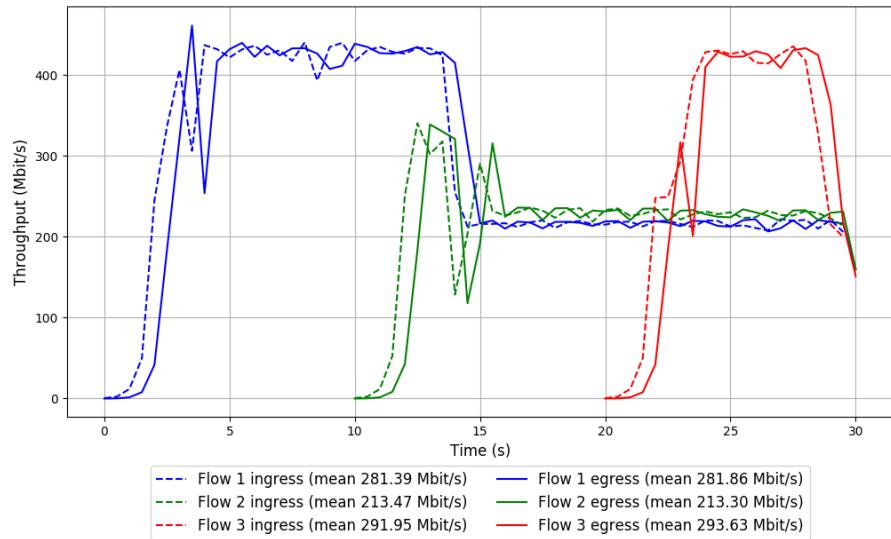


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-12 03:05:33
End at: 2019-07-12 03:06:03
Local clock offset: -0.153 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2019-07-12 08:22:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.54 Mbit/s
95th percentile per-packet one-way delay: 115.286 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 281.86 Mbit/s
95th percentile per-packet one-way delay: 112.458 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 213.30 Mbit/s
95th percentile per-packet one-way delay: 107.341 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 293.63 Mbit/s
95th percentile per-packet one-way delay: 123.198 ms
Loss rate: 1.62%
```

Run 2: Report of TCP Vegas — Data Link

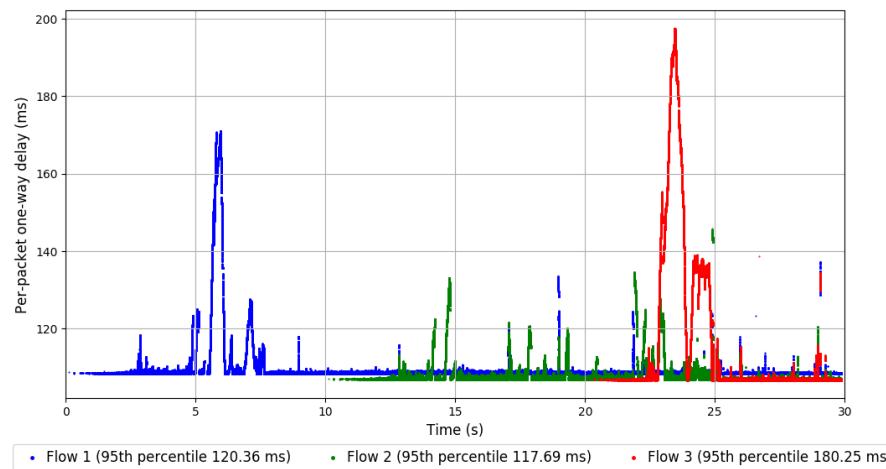
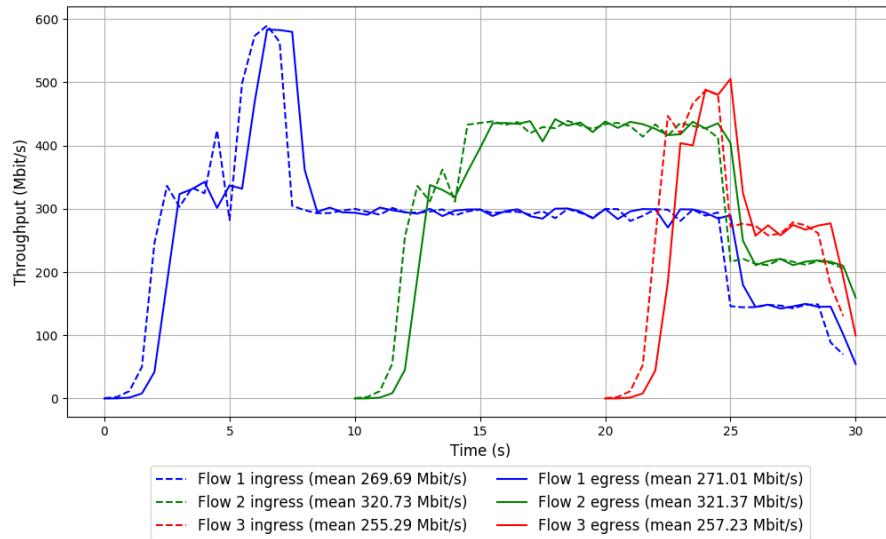


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-12 03:48:17
End at: 2019-07-12 03:48:47
Local clock offset: -0.095 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2019-07-12 08:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.58 Mbit/s
95th percentile per-packet one-way delay: 134.876 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 271.01 Mbit/s
95th percentile per-packet one-way delay: 120.363 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 321.37 Mbit/s
95th percentile per-packet one-way delay: 117.686 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 257.23 Mbit/s
95th percentile per-packet one-way delay: 180.253 ms
Loss rate: 1.42%
```

Run 3: Report of TCP Vegas — Data Link

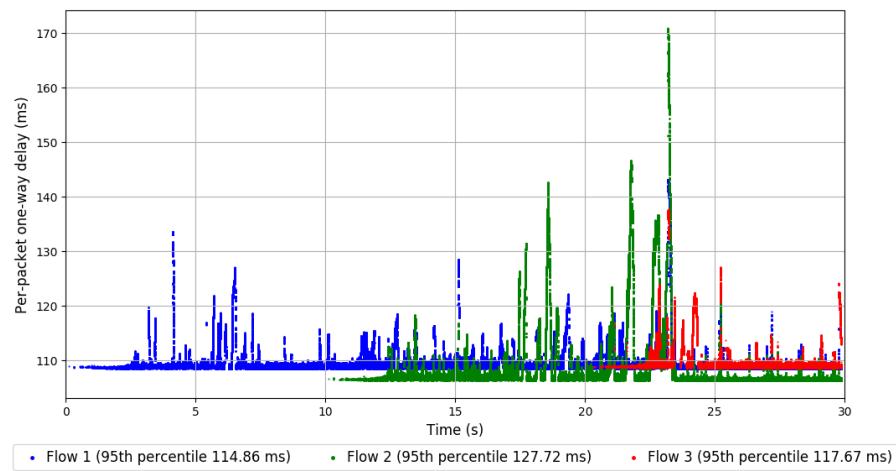
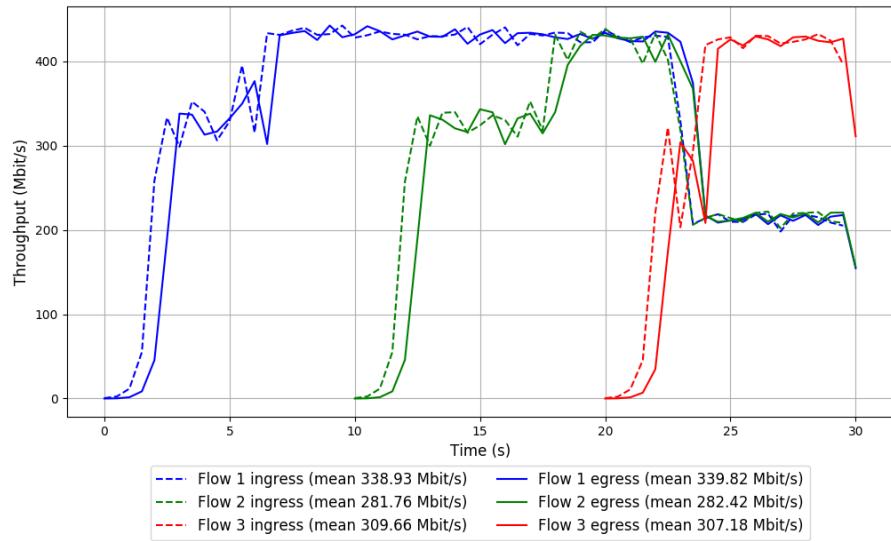


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-12 04:30:41
End at: 2019-07-12 04:31:11
Local clock offset: -0.698 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2019-07-12 08:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 627.96 Mbit/s
95th percentile per-packet one-way delay: 117.222 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 339.82 Mbit/s
95th percentile per-packet one-way delay: 114.860 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 282.42 Mbit/s
95th percentile per-packet one-way delay: 127.725 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 307.18 Mbit/s
95th percentile per-packet one-way delay: 117.670 ms
Loss rate: 2.96%
```

Run 4: Report of TCP Vegas — Data Link

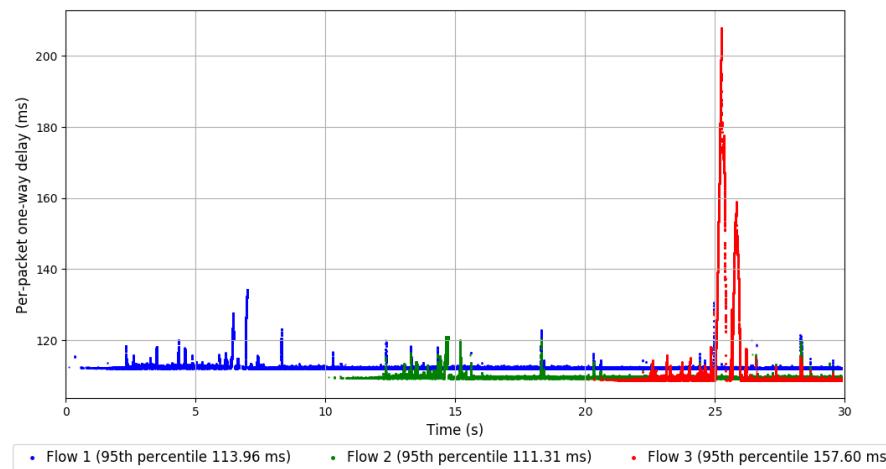
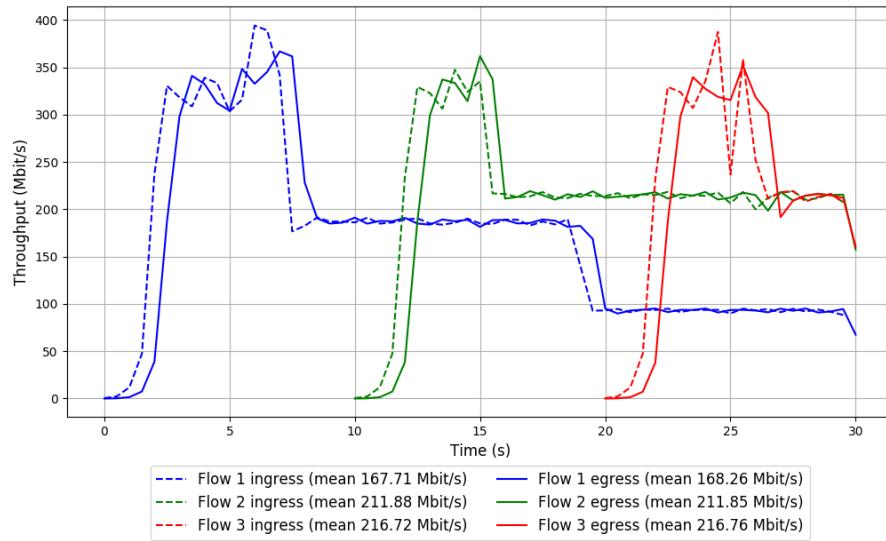


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-12 05:12:44
End at: 2019-07-12 05:13:14
Local clock offset: -1.094 ms
Remote clock offset: -0.448 ms

# Below is generated by plot.py at 2019-07-12 08:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.85 Mbit/s
95th percentile per-packet one-way delay: 114.796 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 168.26 Mbit/s
95th percentile per-packet one-way delay: 113.964 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 211.85 Mbit/s
95th percentile per-packet one-way delay: 111.314 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 216.76 Mbit/s
95th percentile per-packet one-way delay: 157.605 ms
Loss rate: 2.18%
```

Run 5: Report of TCP Vegas — Data Link

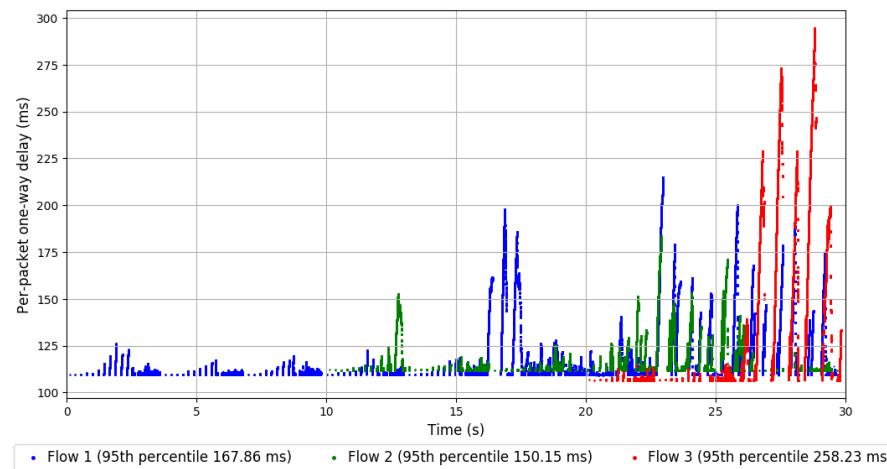
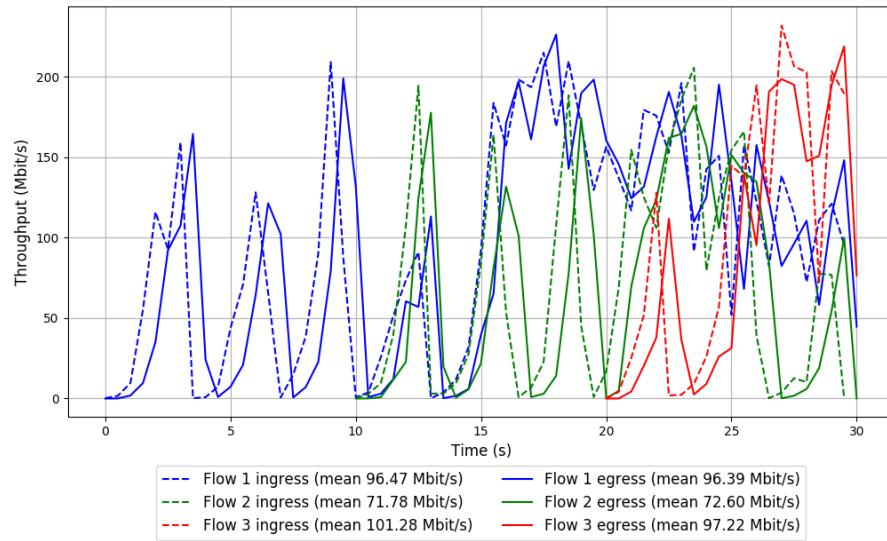


Run 1: Statistics of Verus

```
Start at: 2019-07-12 02:17:50
End at: 2019-07-12 02:18:20
Local clock offset: -0.302 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-07-12 08:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.32 Mbit/s
95th percentile per-packet one-way delay: 194.812 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 167.864 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 150.149 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 258.230 ms
Loss rate: 6.11%
```

Run 1: Report of Verus — Data Link

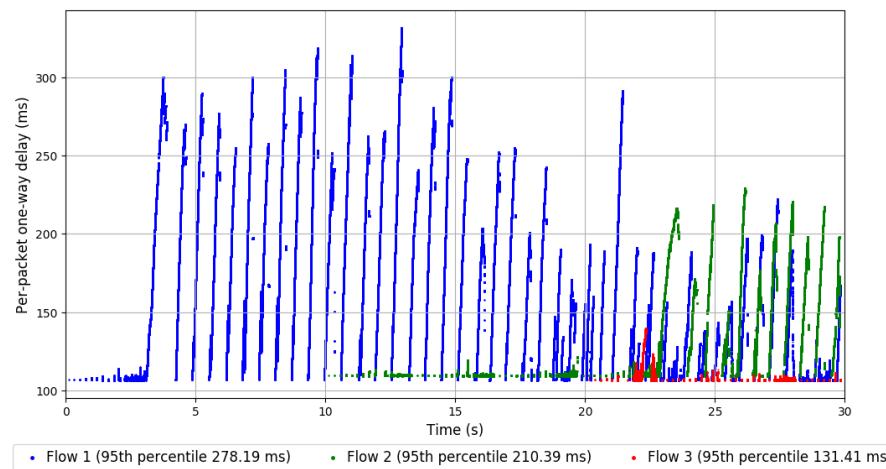
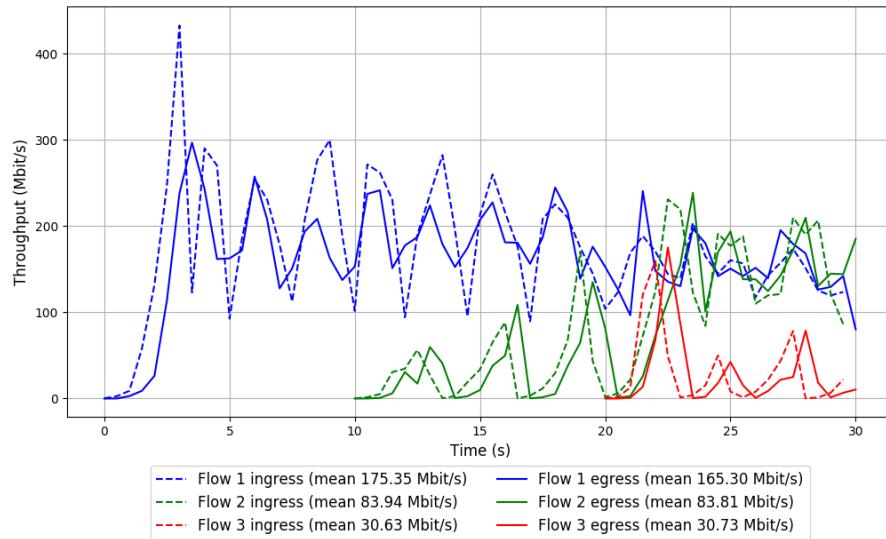


Run 2: Statistics of Verus

```
Start at: 2019-07-12 02:59:55
End at: 2019-07-12 03:00:25
Local clock offset: -0.246 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-07-12 08:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 270.534 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 165.30 Mbit/s
95th percentile per-packet one-way delay: 278.186 ms
Loss rate: 6.03%
-- Flow 2:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 210.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 131.410 ms
Loss rate: 1.91%
```

Run 2: Report of Verus — Data Link

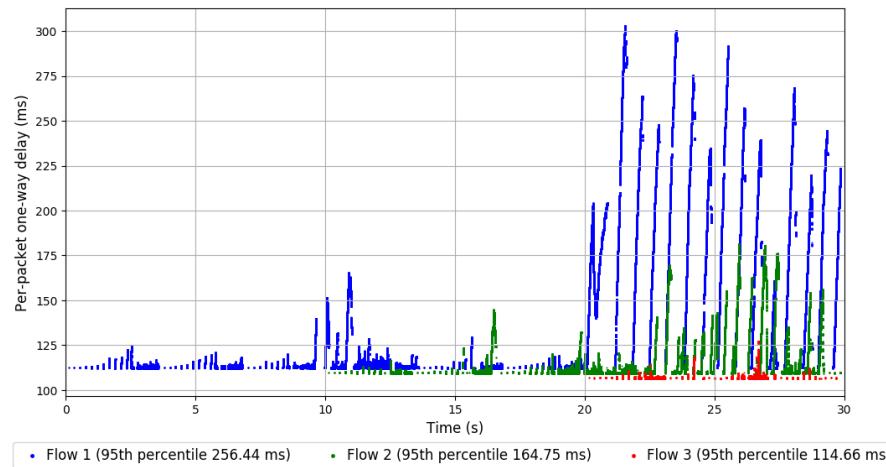
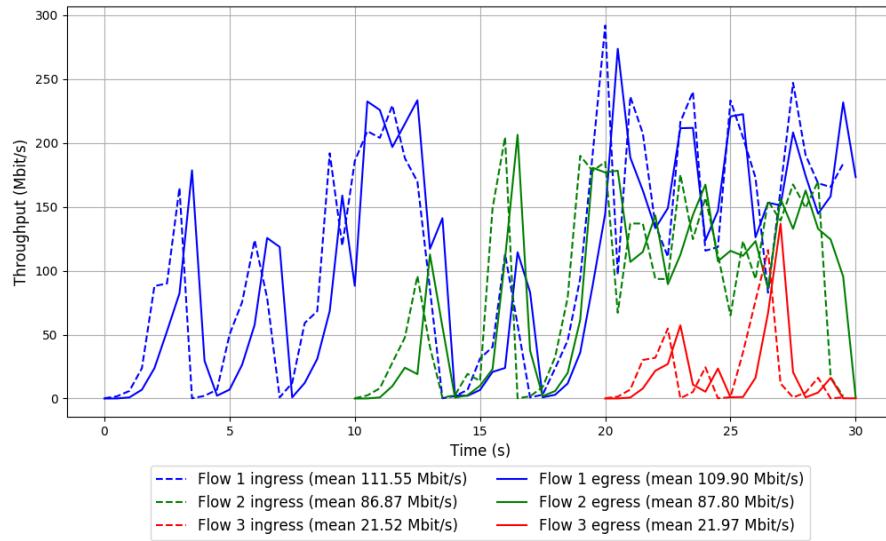


Run 3: Statistics of Verus

```
Start at: 2019-07-12 03:42:37
End at: 2019-07-12 03:43:07
Local clock offset: -0.276 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-07-12 08:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.19 Mbit/s
95th percentile per-packet one-way delay: 243.929 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 109.90 Mbit/s
95th percentile per-packet one-way delay: 256.445 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 164.751 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 114.662 ms
Loss rate: 0.17%
```

Run 3: Report of Verus — Data Link

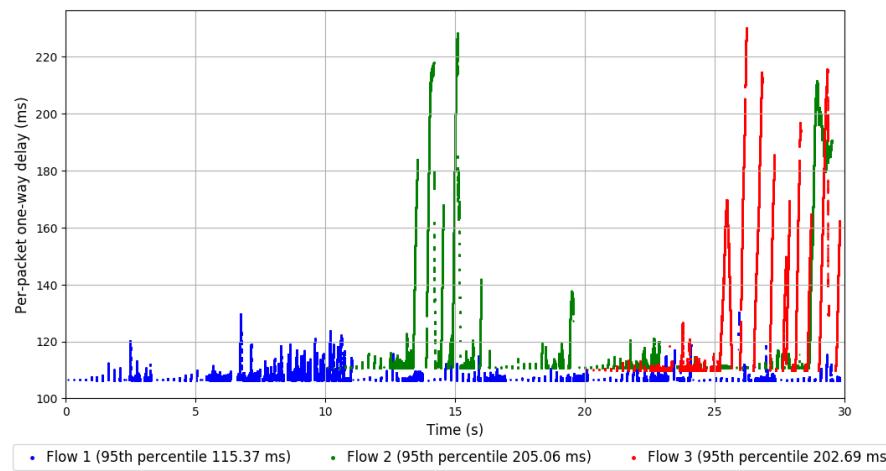
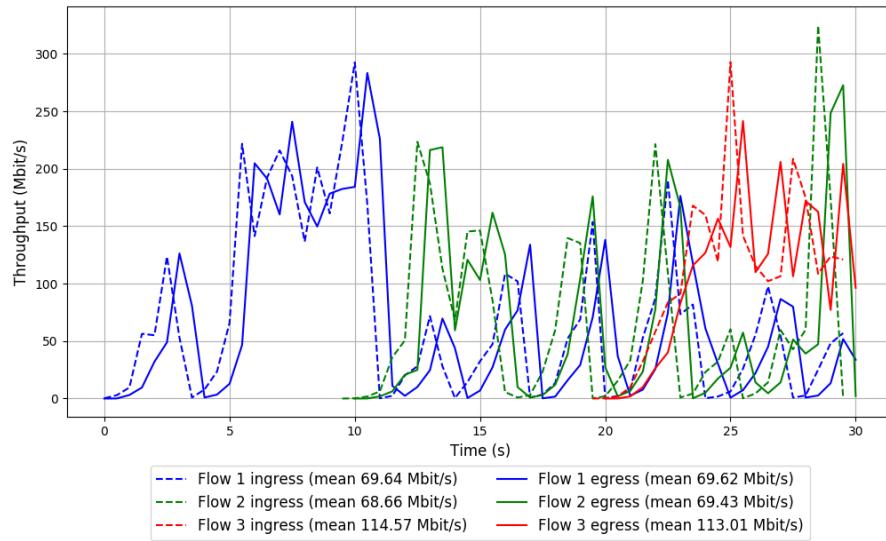


Run 4: Statistics of Verus

```
Start at: 2019-07-12 04:25:15
End at: 2019-07-12 04:25:45
Local clock offset: -0.634 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-07-12 08:27:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 152.26 Mbit/s
95th percentile per-packet one-way delay: 192.268 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 69.62 Mbit/s
95th percentile per-packet one-way delay: 115.367 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 205.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.01 Mbit/s
95th percentile per-packet one-way delay: 202.695 ms
Loss rate: 1.11%
```

Run 4: Report of Verus — Data Link

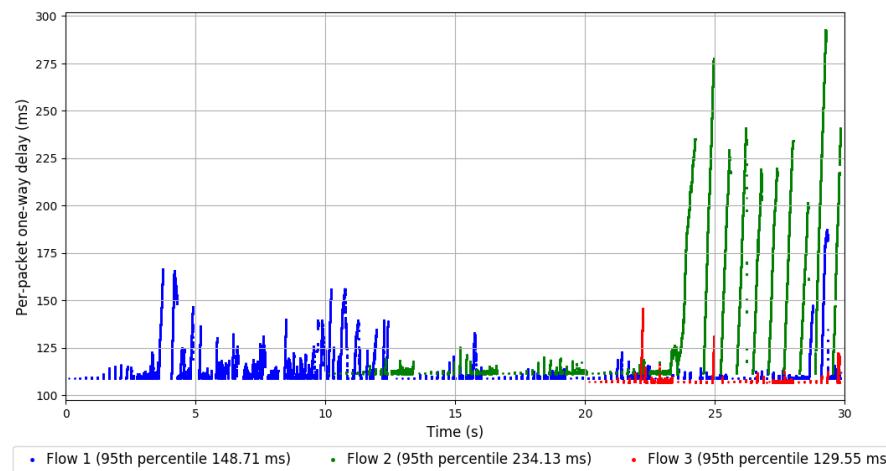
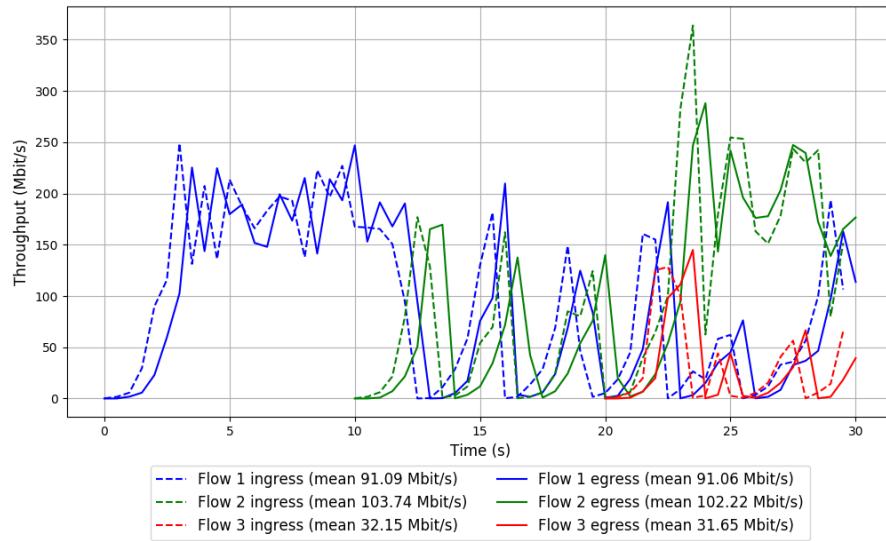


Run 5: Statistics of Verus

```
Start at: 2019-07-12 05:07:19
End at: 2019-07-12 05:07:49
Local clock offset: -0.405 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-12 08:28:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 216.239 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 148.709 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 102.22 Mbit/s
95th percentile per-packet one-way delay: 234.131 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 129.553 ms
Loss rate: 4.10%
```

Run 5: Report of Verus — Data Link

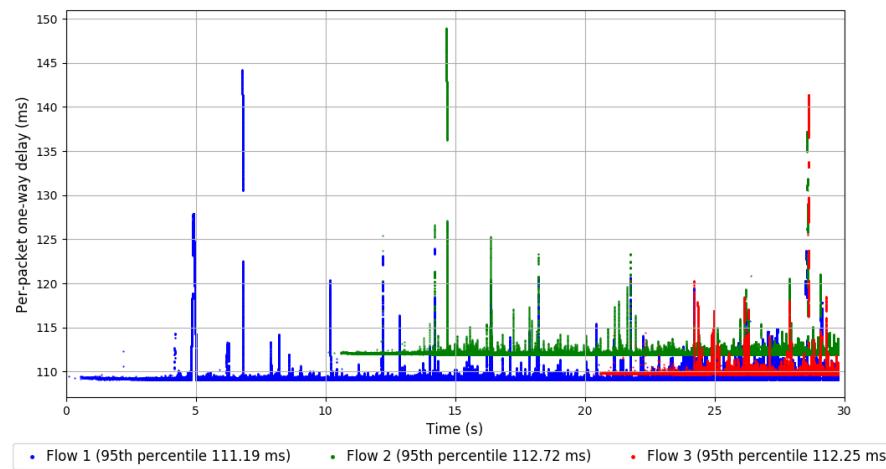
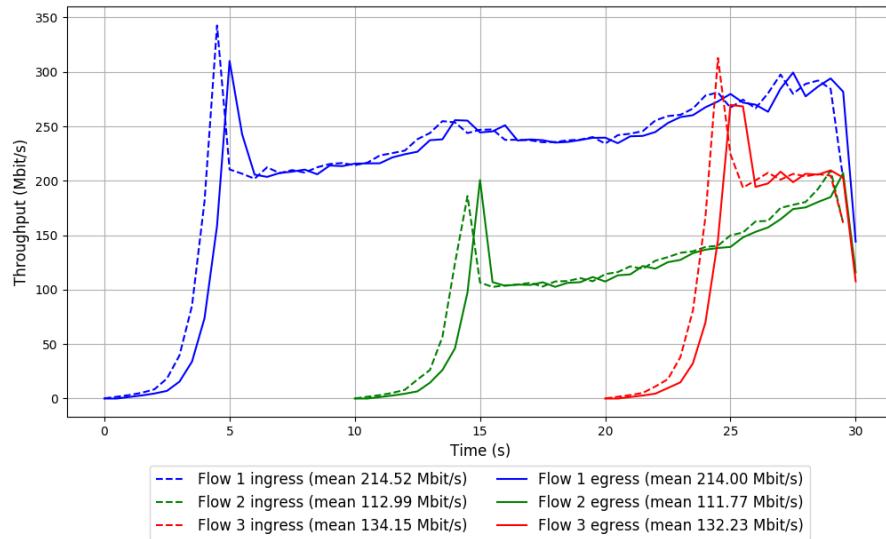


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-07-12 02:32:04
End at: 2019-07-12 02:32:34
Local clock offset: -0.237 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2019-07-12 08:29:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.01 Mbit/s
95th percentile per-packet one-way delay: 112.292 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 214.00 Mbit/s
95th percentile per-packet one-way delay: 111.191 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 111.77 Mbit/s
95th percentile per-packet one-way delay: 112.717 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 132.23 Mbit/s
95th percentile per-packet one-way delay: 112.250 ms
Loss rate: 3.65%
```

Run 1: Report of PCC-Vivace — Data Link

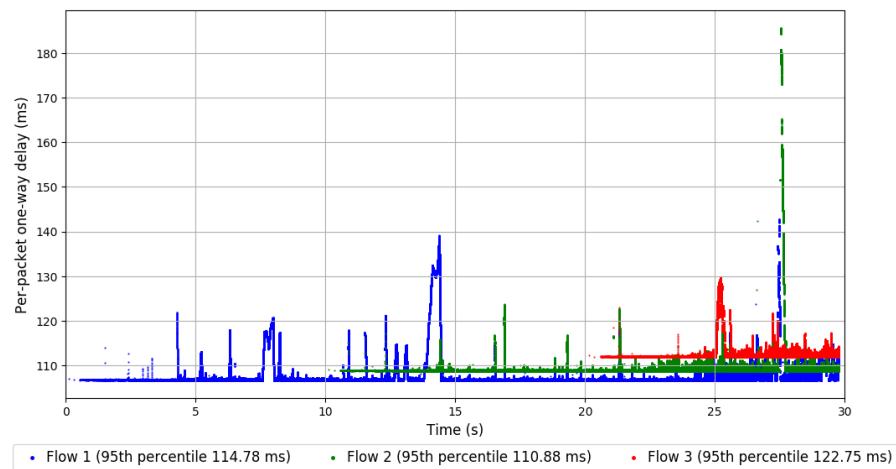
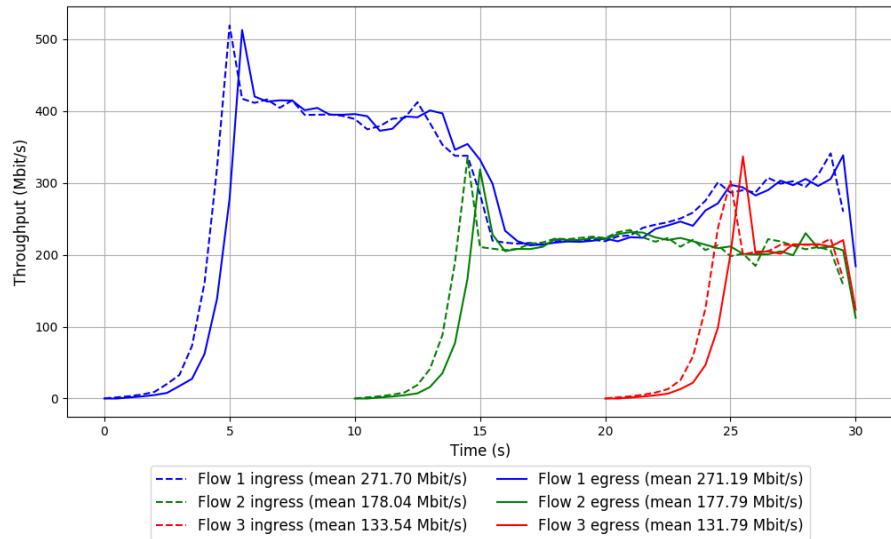


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-12 03:14:27
End at: 2019-07-12 03:14:57
Local clock offset: -0.323 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-07-12 08:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.76 Mbit/s
95th percentile per-packet one-way delay: 114.696 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 271.19 Mbit/s
95th percentile per-packet one-way delay: 114.783 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 177.79 Mbit/s
95th percentile per-packet one-way delay: 110.875 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 122.751 ms
Loss rate: 3.54%
```

Run 2: Report of PCC-Vivace — Data Link

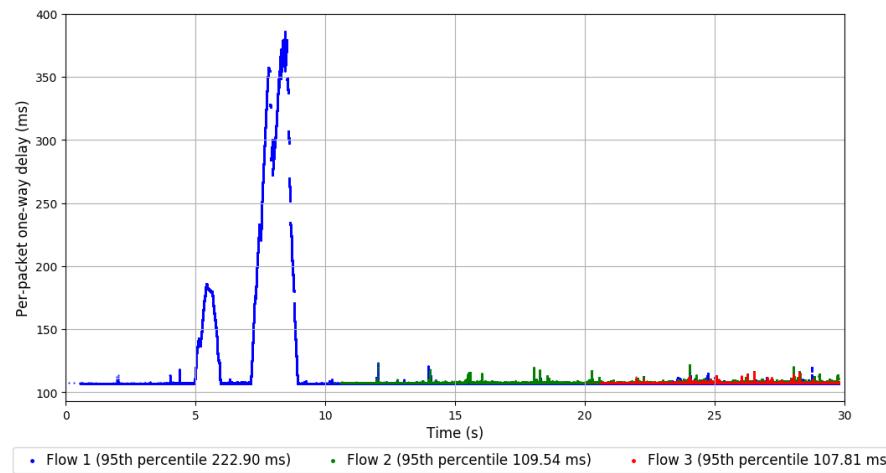
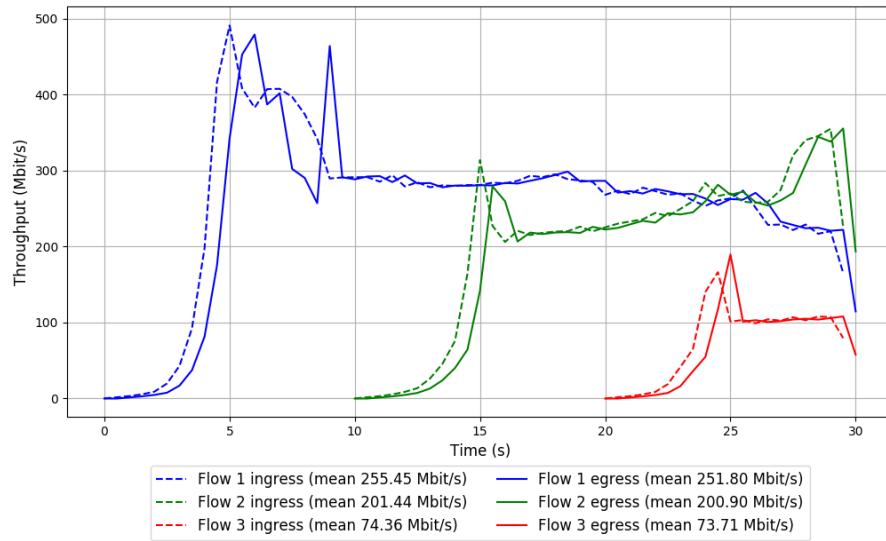


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-12 03:57:10
End at: 2019-07-12 03:57:40
Local clock offset: 0.707 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2019-07-12 08:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 408.81 Mbit/s
95th percentile per-packet one-way delay: 175.362 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 251.80 Mbit/s
95th percentile per-packet one-way delay: 222.901 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 200.90 Mbit/s
95th percentile per-packet one-way delay: 109.536 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 107.805 ms
Loss rate: 3.04%
```

Run 3: Report of PCC-Vivace — Data Link

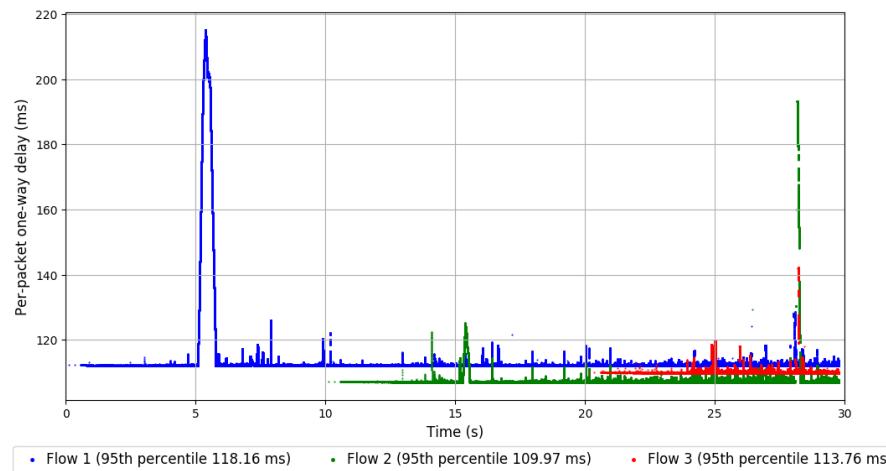
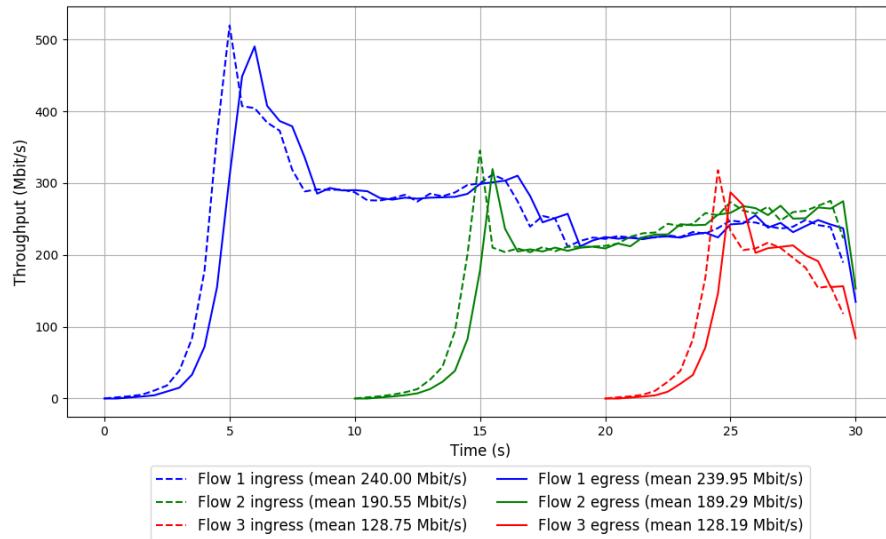


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-12 04:39:35
End at: 2019-07-12 04:40:05
Local clock offset: -0.435 ms
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 407.00 Mbit/s
95th percentile per-packet one-way delay: 115.338 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 239.95 Mbit/s
95th percentile per-packet one-way delay: 118.159 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 189.29 Mbit/s
95th percentile per-packet one-way delay: 109.968 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 128.19 Mbit/s
95th percentile per-packet one-way delay: 113.762 ms
Loss rate: 2.63%
```

Run 4: Report of PCC-Vivace — Data Link

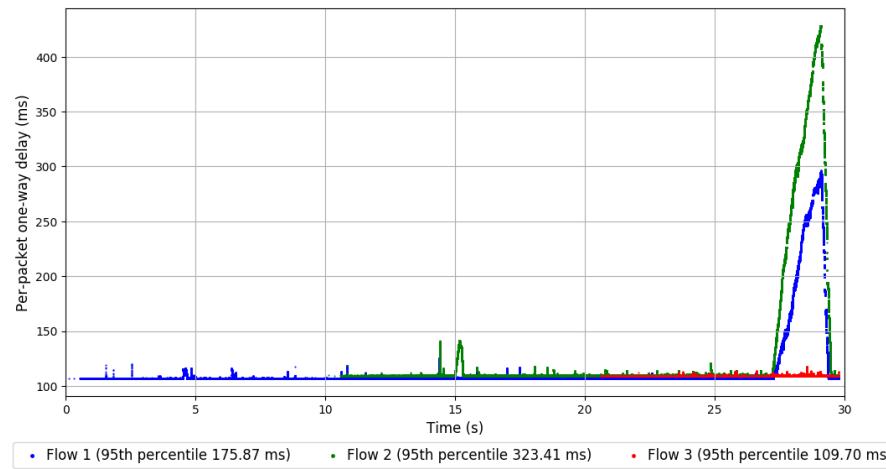
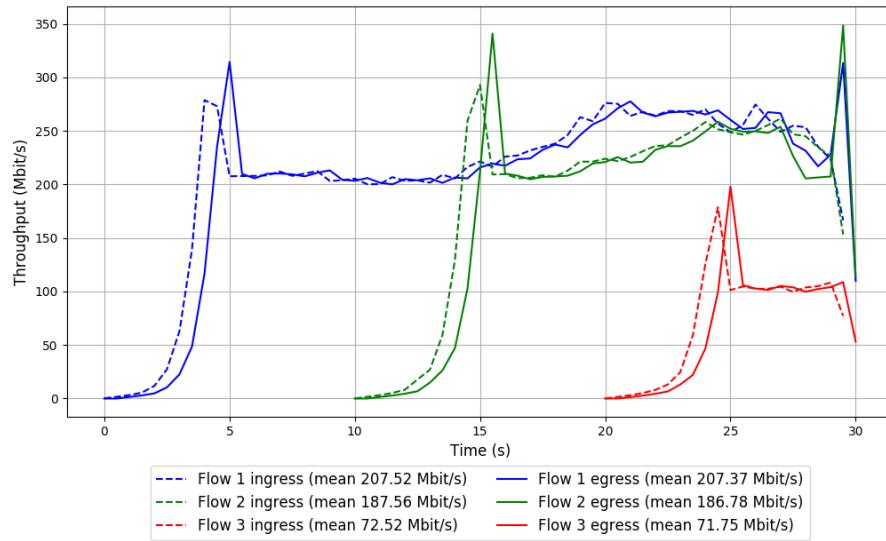


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-12 05:21:24
End at: 2019-07-12 05:21:54
Local clock offset: -0.283 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.37 Mbit/s
95th percentile per-packet one-way delay: 244.213 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 207.37 Mbit/s
95th percentile per-packet one-way delay: 175.874 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 186.78 Mbit/s
95th percentile per-packet one-way delay: 323.407 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 109.704 ms
Loss rate: 3.31%
```

Run 5: Report of PCC-Vivace — Data Link

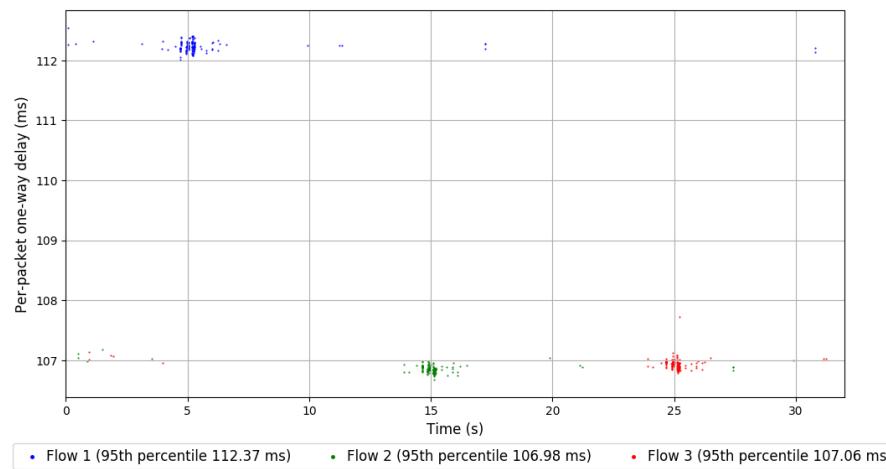
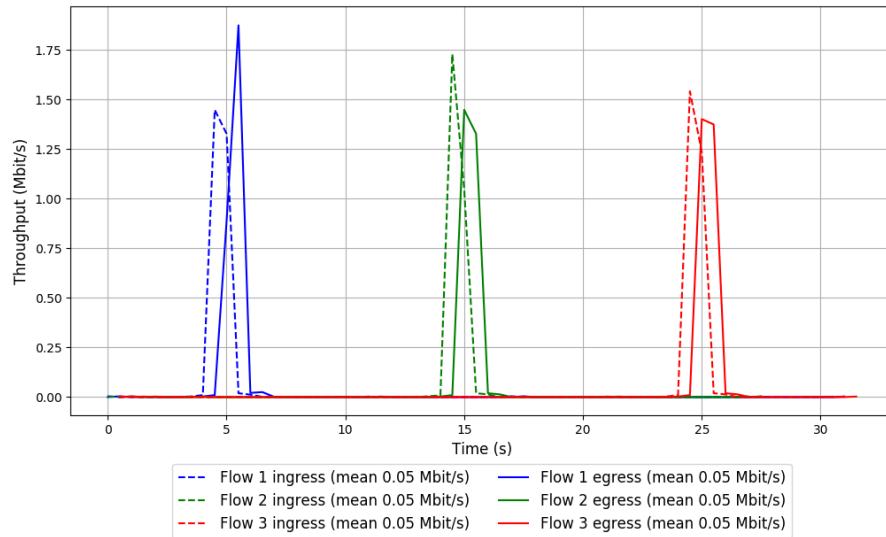


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-12 02:44:28
End at: 2019-07-12 02:44:58
Local clock offset: -0.27 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 112.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 112.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.063 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

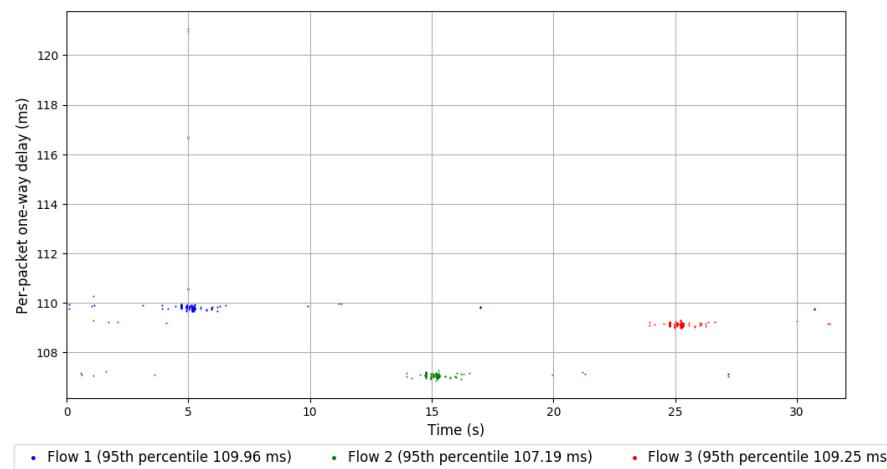
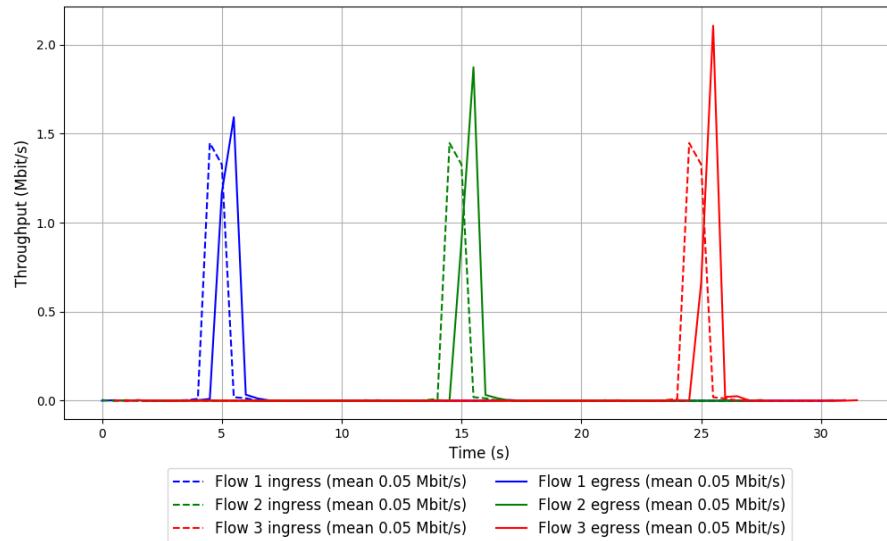


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-12 03:27:14
End at: 2019-07-12 03:27:44
Local clock offset: -0.144 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.246 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

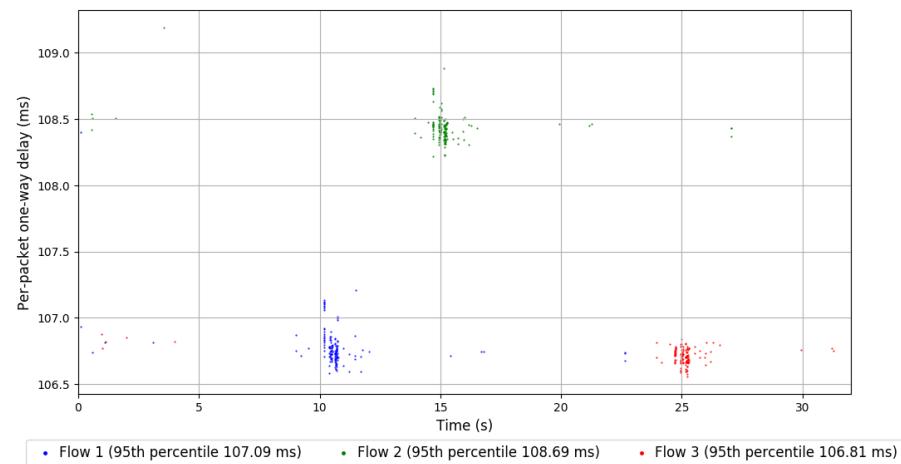
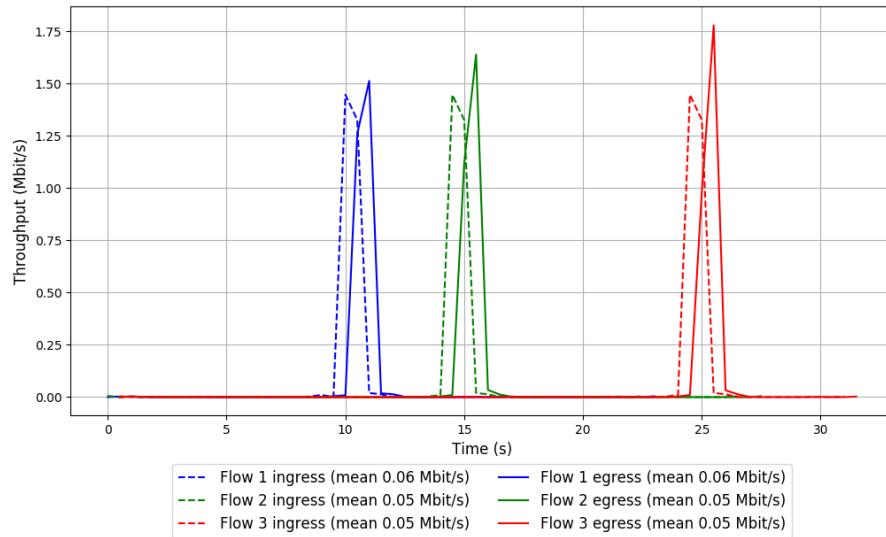


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-12 04:09:57
End at: 2019-07-12 04:10:27
Local clock offset: -0.194 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 108.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 107.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.811 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

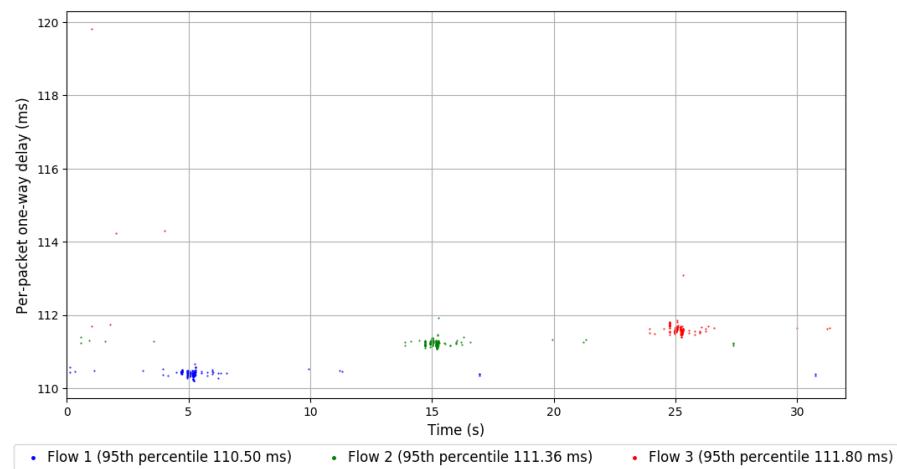
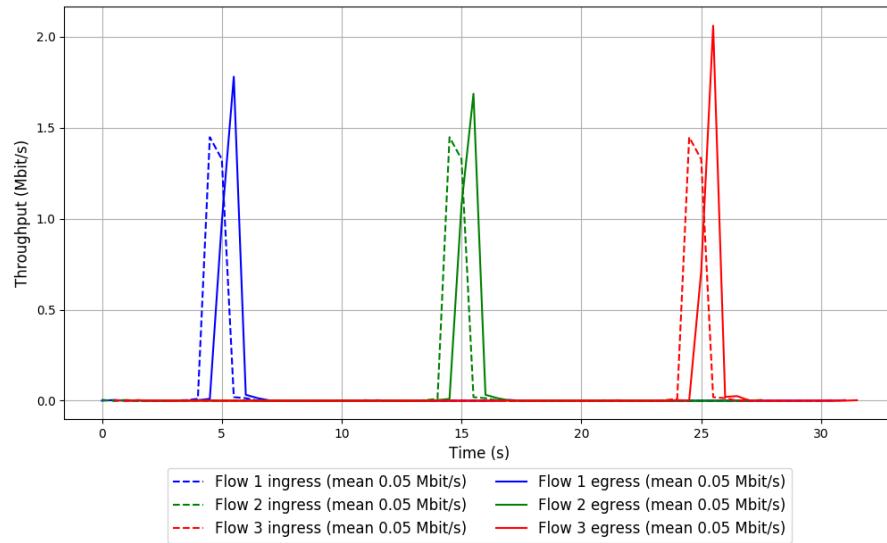


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-12 04:51:47
End at: 2019-07-12 04:52:17
Local clock offset: -0.316 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 111.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.797 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-12 05:33:36
End at: 2019-07-12 05:34:06
Local clock offset: -0.167 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-07-12 08:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.846 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

