

Pantheon Report

Generated at 2019-07-18 03:37:43 (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:

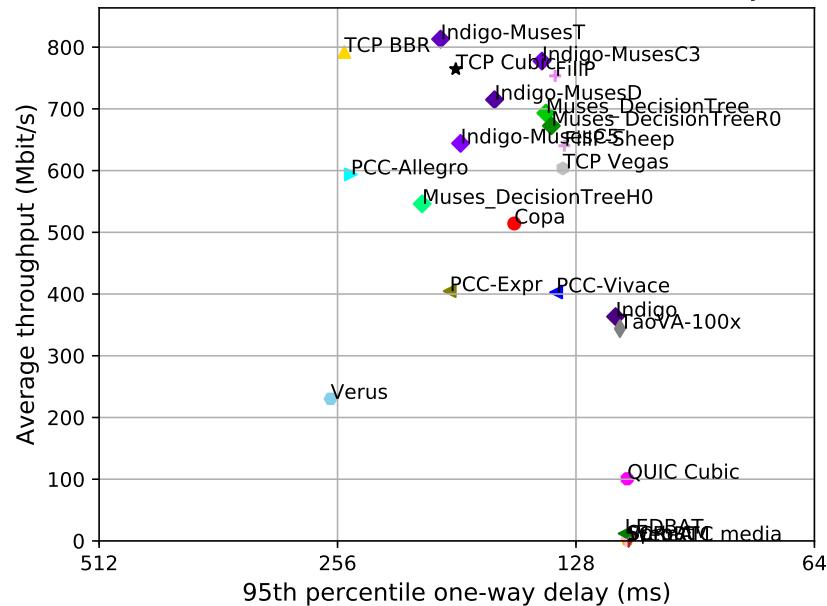
```
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

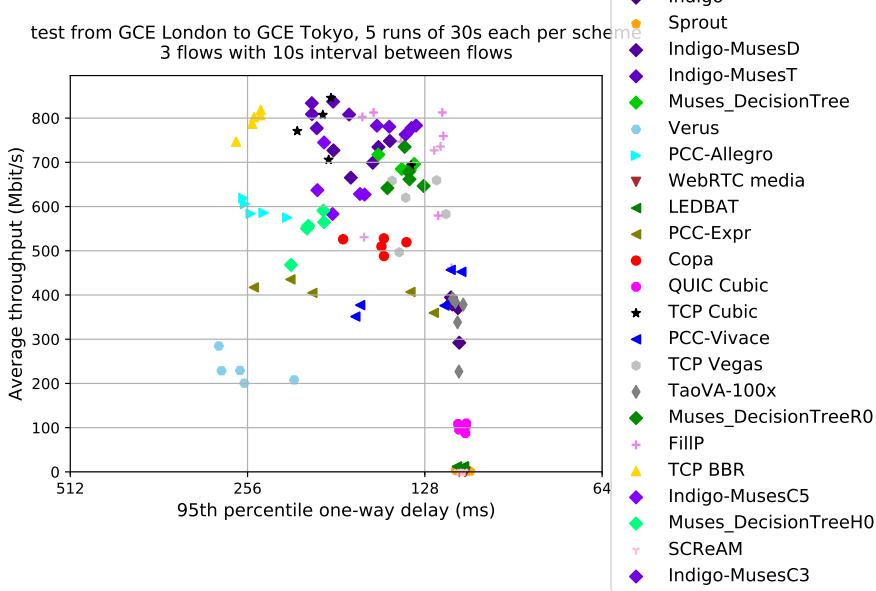
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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



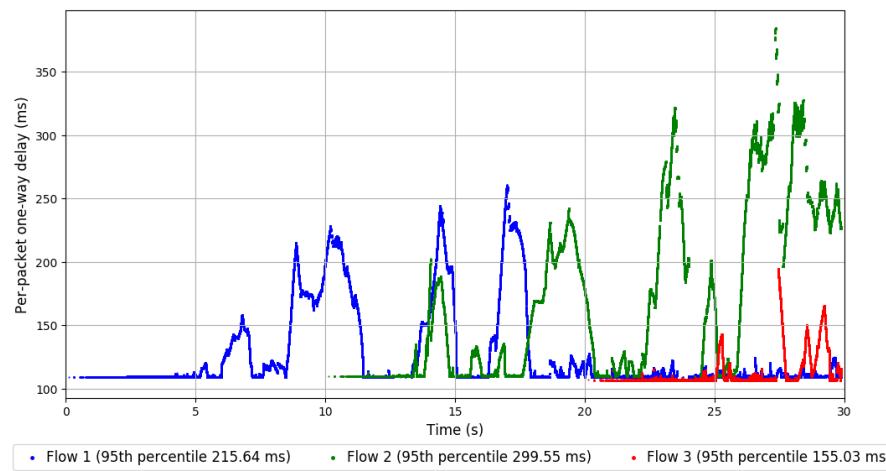
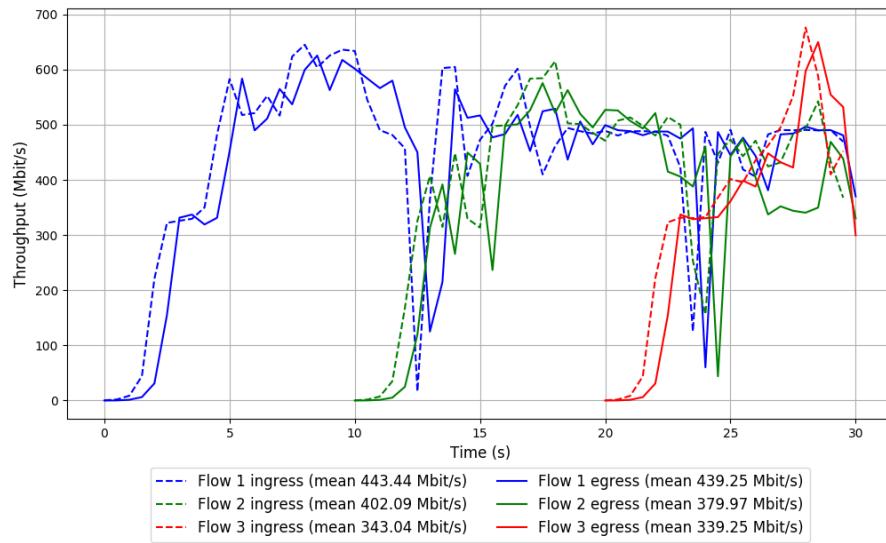
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	432.87	387.64	311.84	247.01	260.39	193.38	3.99	3.77	4.09
Copa	5	280.83	254.25	197.73	151.34	147.29	155.09	0.69	1.22	2.90
TCP Cubic	5	412.79	381.86	299.73	162.96	184.58	160.19	0.81	1.47	3.18
FillP	5	455.61	330.71	240.89	140.78	112.37	113.70	0.95	1.03	2.49
FillP-Sheep	5	348.67	326.75	230.11	137.63	112.97	114.53	0.66	0.93	2.64
Indigo	5	198.71	184.17	130.80	114.55	113.96	112.09	0.77	1.13	2.73
Indigo-MusesC3	5	465.43	386.58	268.92	143.73	136.93	145.42	0.63	1.13	4.05
Indigo-MusesC5	5	383.64	346.53	154.14	182.54	163.48	114.16	0.68	1.10	6.94
Indigo-MusesD	5	435.28	375.63	157.63	167.94	151.41	113.36	0.61	1.41	4.19
Indigo-MusesT	5	498.66	404.51	226.39	196.68	146.34	117.77	0.91	1.08	4.39
LEDBAT	5	7.81	5.10	2.51	110.26	109.62	108.80	1.46	2.22	4.43
Muses_DecisionTree	5	417.86	338.59	169.98	146.37	119.96	113.79	0.55	1.06	4.75
Muses_DecisionTreeH0	5	299.98	282.12	192.90	201.93	200.49	125.04	3.20	2.76	4.74
Muses_DecisionTreeR0	5	404.46	321.48	178.31	140.64	134.07	113.07	0.79	1.27	4.10
PCC-Allegro	5	327.45	289.38	230.76	230.00	227.39	201.68	2.29	4.05	3.34
PCC-Expr	5	227.00	190.34	158.94	182.22	159.19	196.68	1.96	1.66	3.45
QUIC Cubic	5	53.38	48.25	46.12	108.15	106.47	109.93	1.03	1.74	2.71
SCReAM	5	0.22	0.22	0.22	109.87	108.30	109.98	0.72	1.25	2.08
Sprout	5	1.09	1.08	1.03	108.78	108.64	108.51	0.66	1.35	3.72
TaoVA-100x	5	206.89	155.57	103.40	110.23	112.92	111.88	0.80	0.97	2.55
TCP Vegas	5	320.40	287.65	281.58	127.17	148.14	142.22	0.74	1.21	3.06
Verus	5	128.47	132.07	44.99	271.70	225.84	133.11	3.74	3.29	2.60
PCC-Vivace	5	238.16	182.45	134.62	136.29	138.14	118.46	0.88	1.61	3.71
WebRTC media	5	0.05	0.05	0.05	108.76	109.68	108.07	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-17 21:09:51
End at: 2019-07-17 21:10:21
Local clock offset: -0.074 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2019-07-18 01:12:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.33 Mbit/s
95th percentile per-packet one-way delay: 249.541 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 439.25 Mbit/s
95th percentile per-packet one-way delay: 215.638 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 379.97 Mbit/s
95th percentile per-packet one-way delay: 299.547 ms
Loss rate: 6.55%
-- Flow 3:
Average throughput: 339.25 Mbit/s
95th percentile per-packet one-way delay: 155.033 ms
Loss rate: 3.28%
```

Run 1: Report of TCP BBR — Data Link

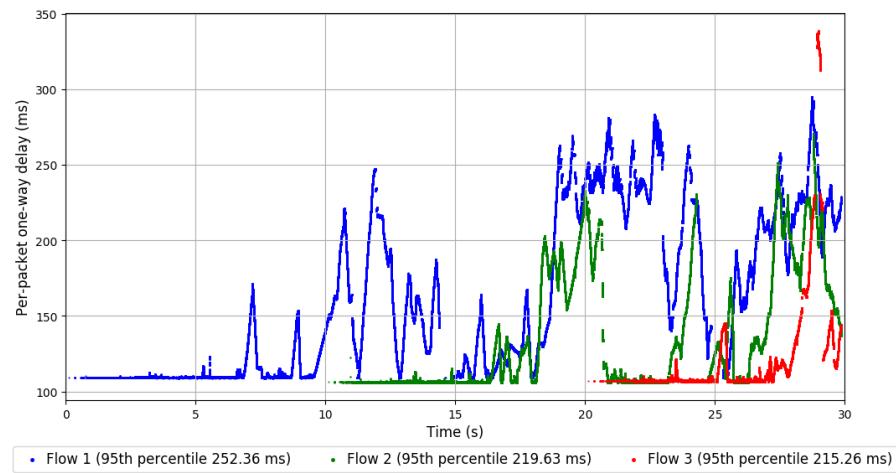
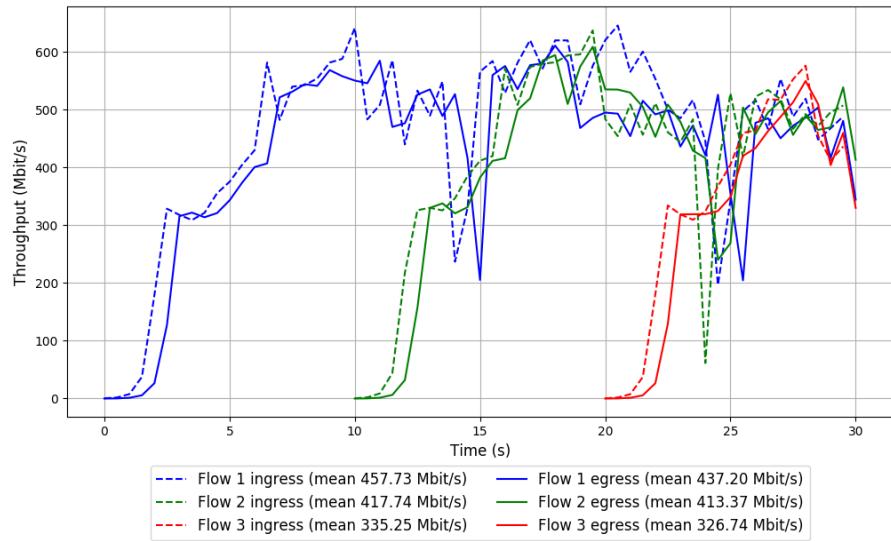


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-17 21:53:29
End at: 2019-07-17 21:53:59
Local clock offset: -0.077 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-07-18 01:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 818.58 Mbit/s
95th percentile per-packet one-way delay: 243.105 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 437.20 Mbit/s
95th percentile per-packet one-way delay: 252.357 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 413.37 Mbit/s
95th percentile per-packet one-way delay: 219.634 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 326.74 Mbit/s
95th percentile per-packet one-way delay: 215.261 ms
Loss rate: 4.70%
```

Run 2: Report of TCP BBR — Data Link

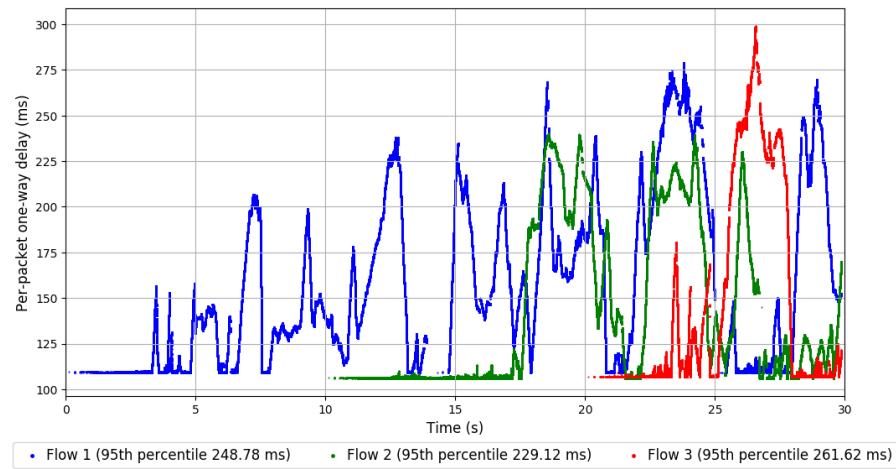
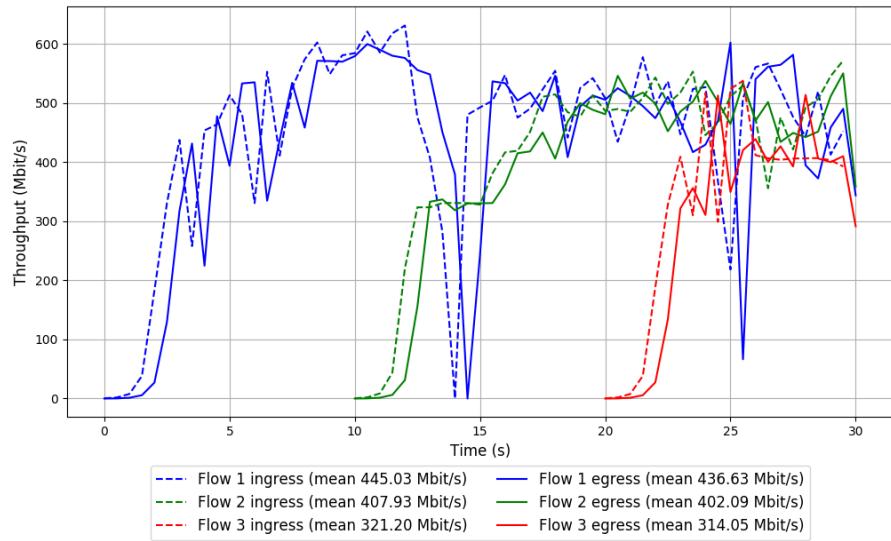


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-17 22:36:50
End at: 2019-07-17 22:37:20
Local clock offset: -0.023 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-07-18 01:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 806.39 Mbit/s
95th percentile per-packet one-way delay: 243.425 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 436.63 Mbit/s
95th percentile per-packet one-way delay: 248.776 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 402.09 Mbit/s
95th percentile per-packet one-way delay: 229.120 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 314.05 Mbit/s
95th percentile per-packet one-way delay: 261.625 ms
Loss rate: 4.36%
```

Run 3: Report of TCP BBR — Data Link

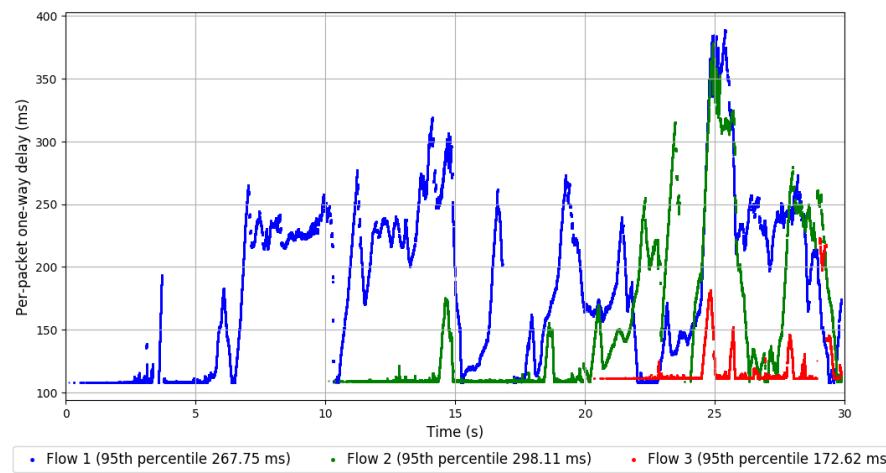
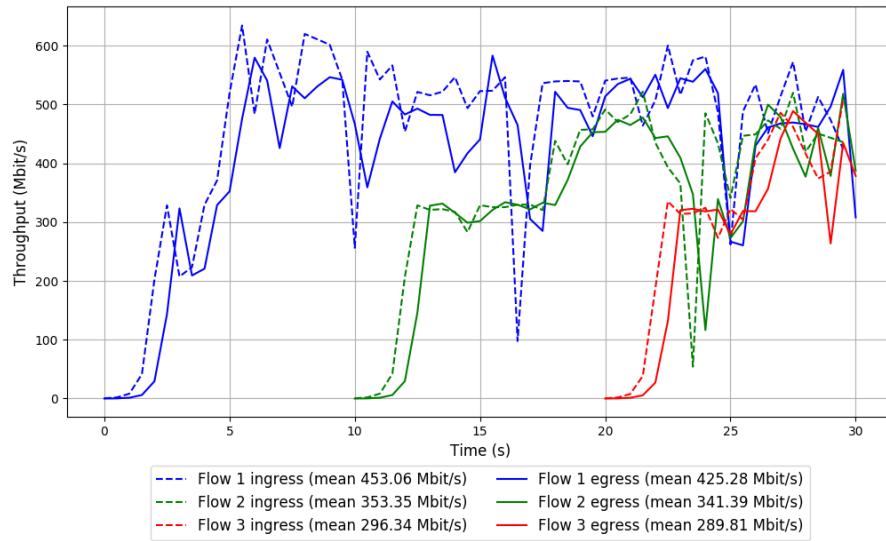


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-17 23:19:38
End at: 2019-07-17 23:20:08
Local clock offset: -0.843 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-07-18 01:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 746.74 Mbit/s
95th percentile per-packet one-way delay: 267.647 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 425.28 Mbit/s
95th percentile per-packet one-way delay: 267.749 ms
Loss rate: 6.81%
-- Flow 2:
Average throughput: 341.39 Mbit/s
95th percentile per-packet one-way delay: 298.106 ms
Loss rate: 4.44%
-- Flow 3:
Average throughput: 289.81 Mbit/s
95th percentile per-packet one-way delay: 172.617 ms
Loss rate: 4.36%
```

Run 4: Report of TCP BBR — Data Link

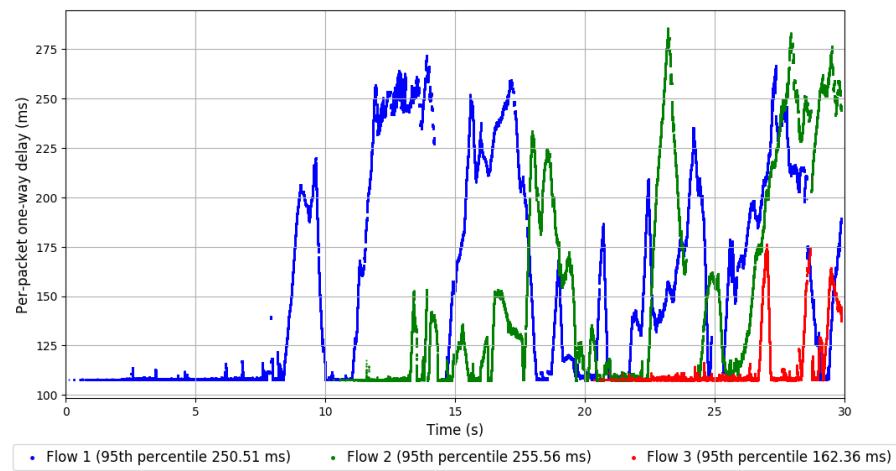
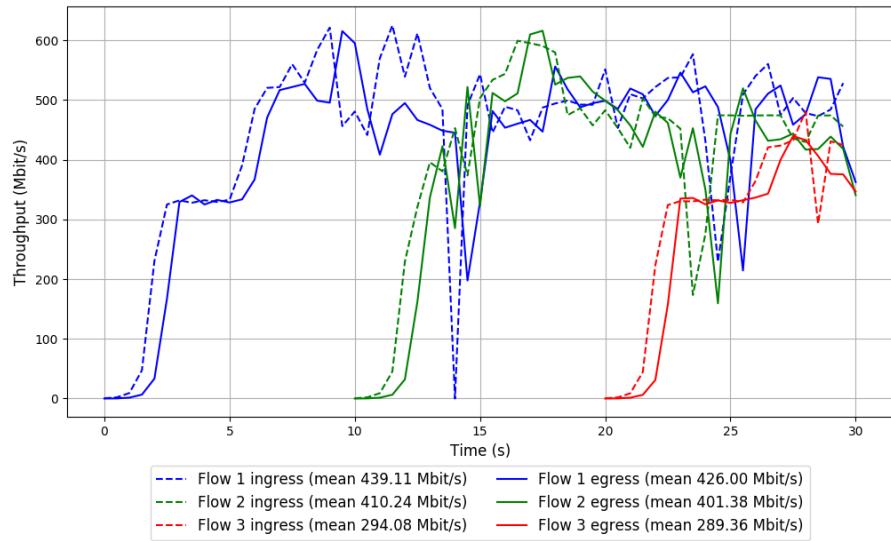


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-18 00:03:03
End at: 2019-07-18 00:03:33
Local clock offset: 0.717 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-07-18 01:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 787.16 Mbit/s
95th percentile per-packet one-way delay: 251.347 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 426.00 Mbit/s
95th percentile per-packet one-way delay: 250.510 ms
Loss rate: 3.69%
-- Flow 2:
Average throughput: 401.38 Mbit/s
95th percentile per-packet one-way delay: 255.559 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 289.36 Mbit/s
95th percentile per-packet one-way delay: 162.360 ms
Loss rate: 3.75%
```

Run 5: Report of TCP BBR — Data Link

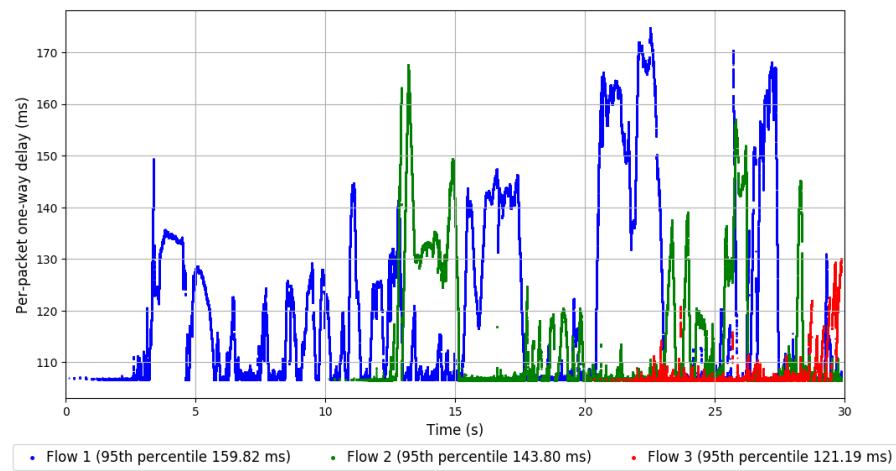
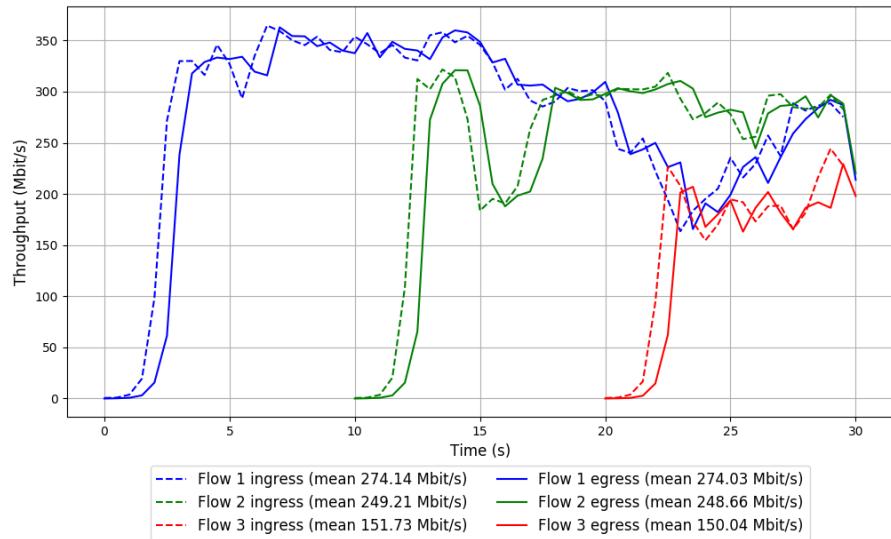


Run 1: Statistics of Copa

```
Start at: 2019-07-17 21:05:38
End at: 2019-07-17 21:06:08
Local clock offset: -0.164 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-18 01:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.13 Mbit/s
95th percentile per-packet one-way delay: 150.171 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 274.03 Mbit/s
95th percentile per-packet one-way delay: 159.820 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 248.66 Mbit/s
95th percentile per-packet one-way delay: 143.800 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 150.04 Mbit/s
95th percentile per-packet one-way delay: 121.189 ms
Loss rate: 3.27%
```

Run 1: Report of Copa — Data Link

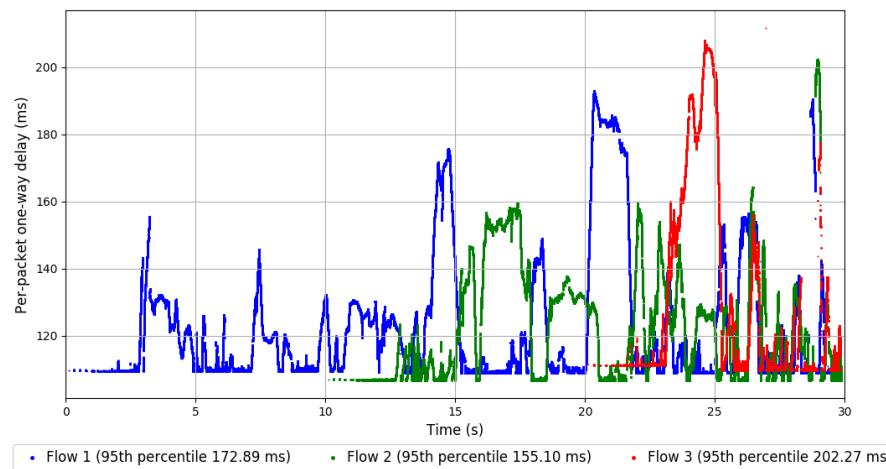
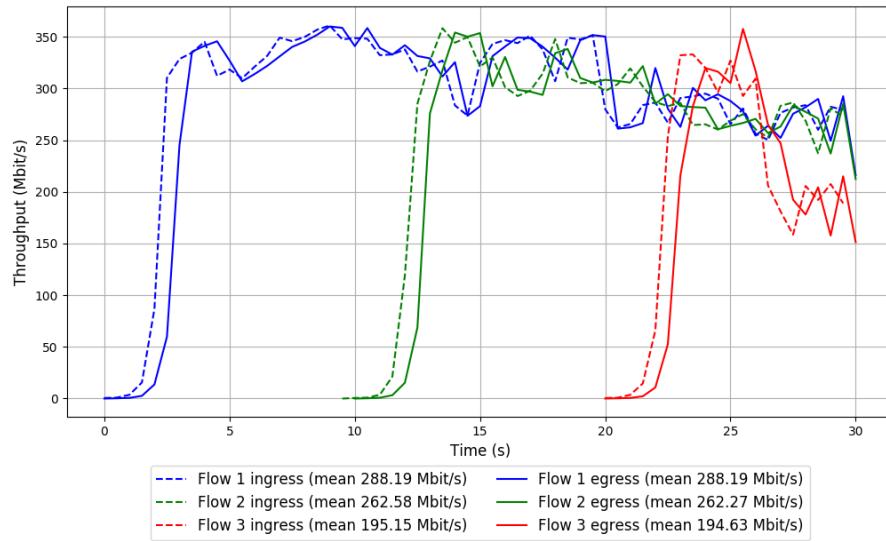


Run 2: Statistics of Copa

```
Start at: 2019-07-17 21:49:15
End at: 2019-07-17 21:49:45
Local clock offset: -0.16 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-18 01:15:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 526.07 Mbit/s
95th percentile per-packet one-way delay: 176.177 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 288.19 Mbit/s
95th percentile per-packet one-way delay: 172.891 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 262.27 Mbit/s
95th percentile per-packet one-way delay: 155.101 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 194.63 Mbit/s
95th percentile per-packet one-way delay: 202.268 ms
Loss rate: 2.50%
```

Run 2: Report of Copa — Data Link

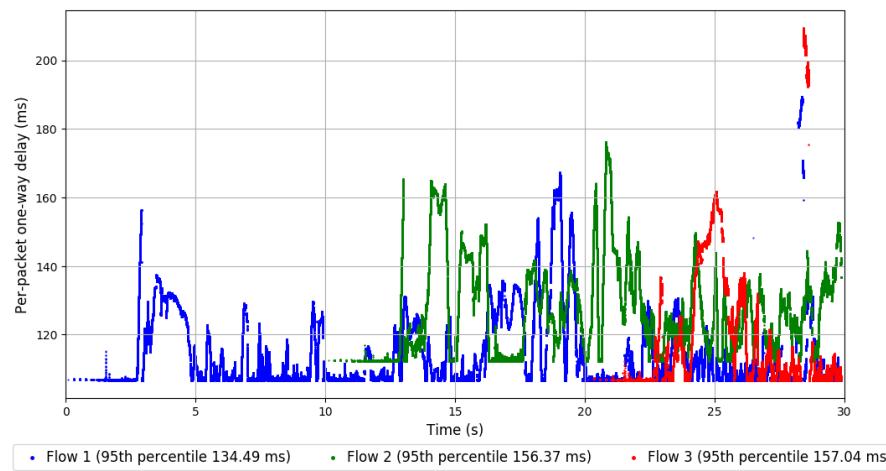
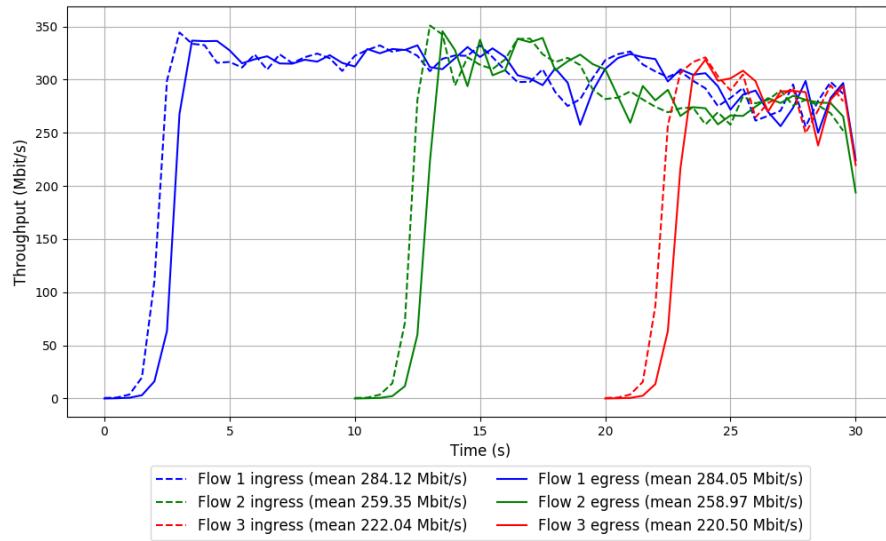


Run 3: Statistics of Copa

```
Start at: 2019-07-17 22:32:39
End at: 2019-07-17 22:33:09
Local clock offset: 0.028 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2019-07-18 01:16:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.03 Mbit/s
95th percentile per-packet one-way delay: 150.220 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 284.05 Mbit/s
95th percentile per-packet one-way delay: 134.488 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 258.97 Mbit/s
95th percentile per-packet one-way delay: 156.372 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 220.50 Mbit/s
95th percentile per-packet one-way delay: 157.038 ms
Loss rate: 2.86%
```

Run 3: Report of Copa — Data Link

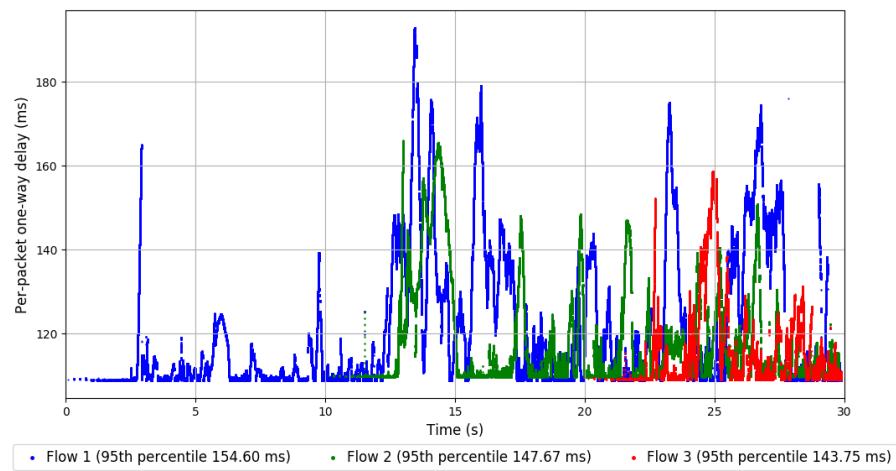
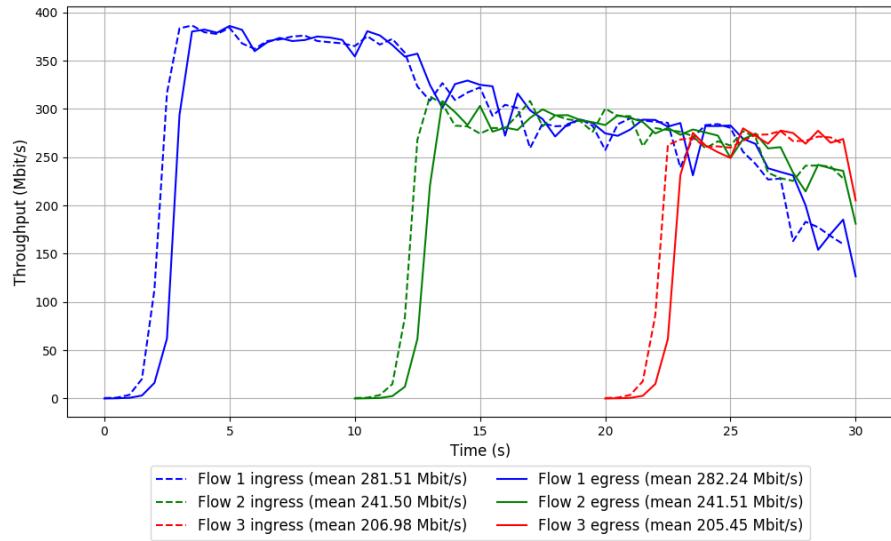


Run 4: Statistics of Copa

```
Start at: 2019-07-17 23:15:28
End at: 2019-07-17 23:15:58
Local clock offset: 0.044 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2019-07-18 01:29:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 509.71 Mbit/s
95th percentile per-packet one-way delay: 151.668 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 282.24 Mbit/s
95th percentile per-packet one-way delay: 154.600 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 241.51 Mbit/s
95th percentile per-packet one-way delay: 147.671 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 205.45 Mbit/s
95th percentile per-packet one-way delay: 143.752 ms
Loss rate: 2.90%
```

Run 4: Report of Copa — Data Link

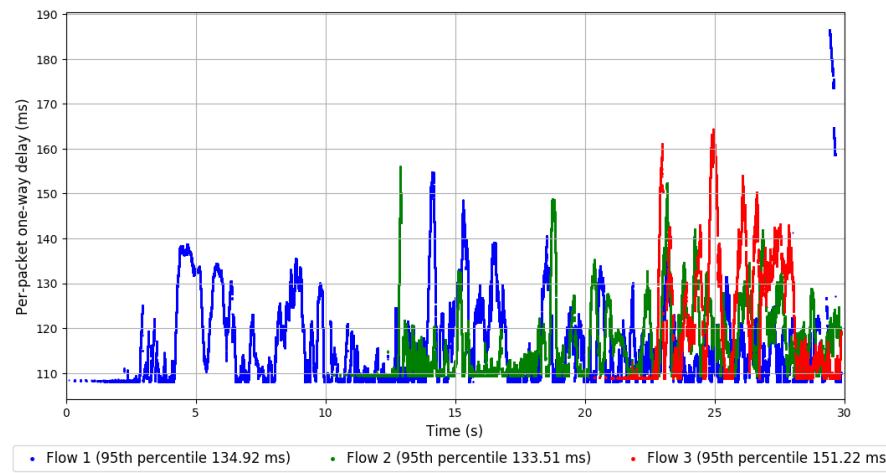
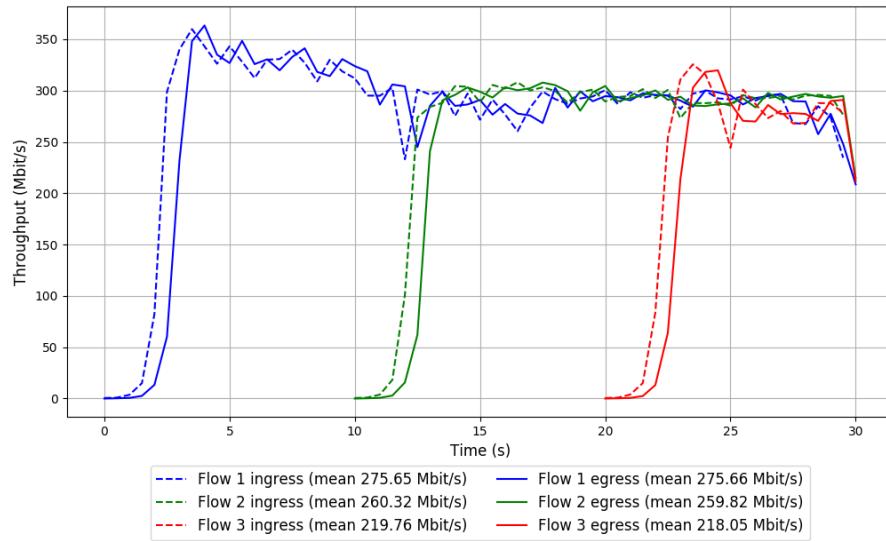


Run 5: Statistics of Copa

```
Start at: 2019-07-17 23:58:44
End at: 2019-07-17 23:59:14
Local clock offset: -0.159 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-07-18 01:30:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.38 Mbit/s
95th percentile per-packet one-way delay: 137.537 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 275.66 Mbit/s
95th percentile per-packet one-way delay: 134.919 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 259.82 Mbit/s
95th percentile per-packet one-way delay: 133.514 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 151.222 ms
Loss rate: 2.96%
```

Run 5: Report of Copa — Data Link

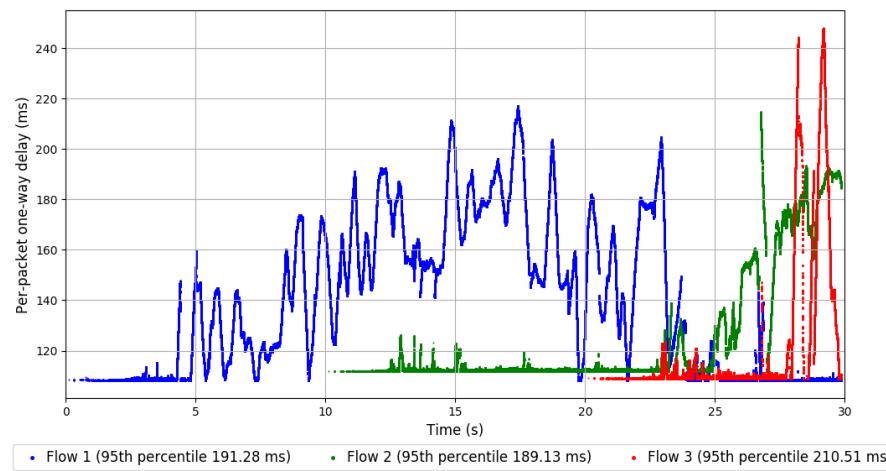
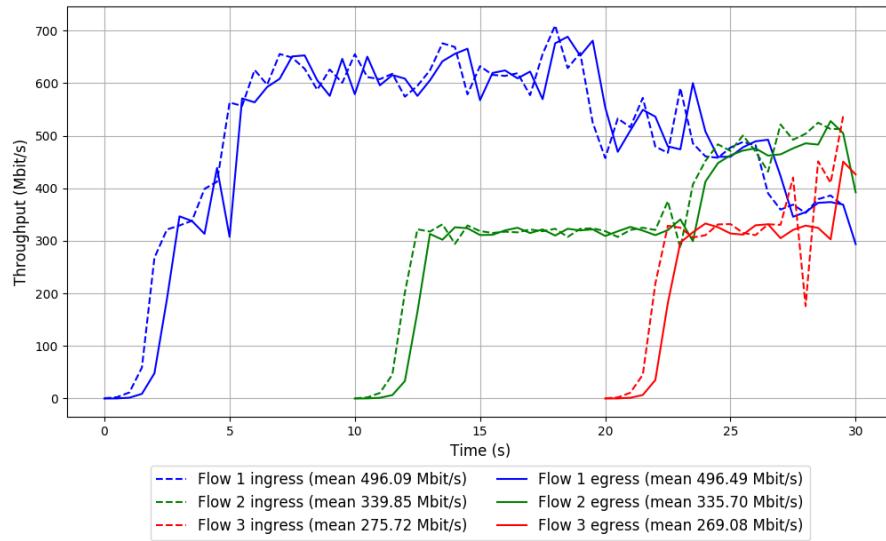


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-17 21:07:47
End at: 2019-07-17 21:08:17
Local clock offset: -0.127 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-07-18 01:30:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 807.26 Mbit/s
95th percentile per-packet one-way delay: 190.765 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 496.49 Mbit/s
95th percentile per-packet one-way delay: 191.279 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 335.70 Mbit/s
95th percentile per-packet one-way delay: 189.126 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 269.08 Mbit/s
95th percentile per-packet one-way delay: 210.511 ms
Loss rate: 4.56%
```

Run 1: Report of TCP Cubic — Data Link

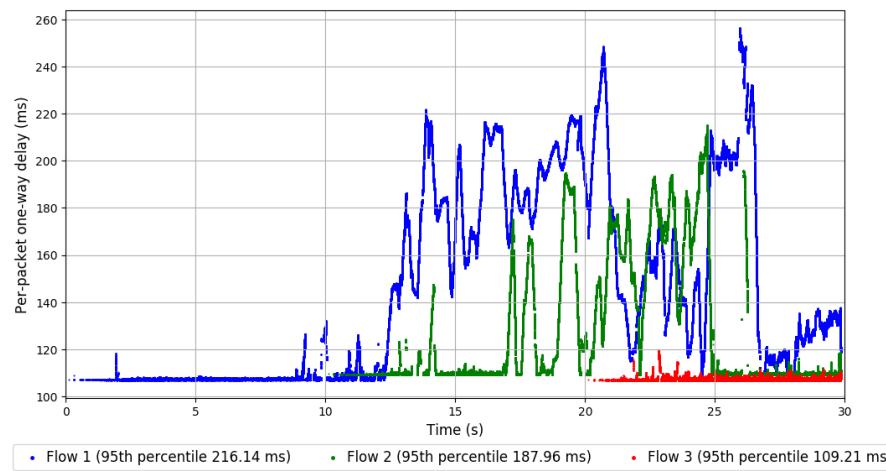
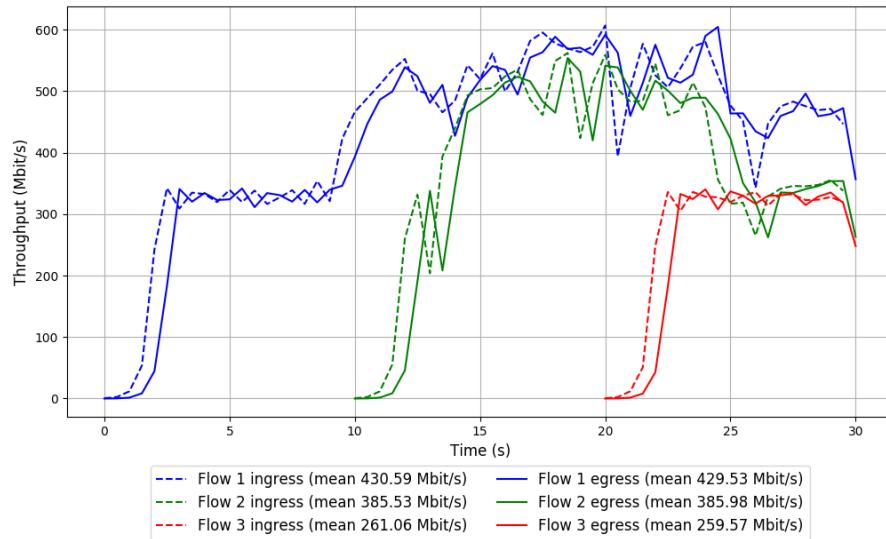


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-17 21:51:28
End at: 2019-07-17 21:51:58
Local clock offset: -0.08 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-07-18 01:30:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 770.77 Mbit/s
95th percentile per-packet one-way delay: 210.750 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 429.53 Mbit/s
95th percentile per-packet one-way delay: 216.143 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 385.98 Mbit/s
95th percentile per-packet one-way delay: 187.958 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 259.57 Mbit/s
95th percentile per-packet one-way delay: 109.211 ms
Loss rate: 2.74%
```

Run 2: Report of TCP Cubic — Data Link

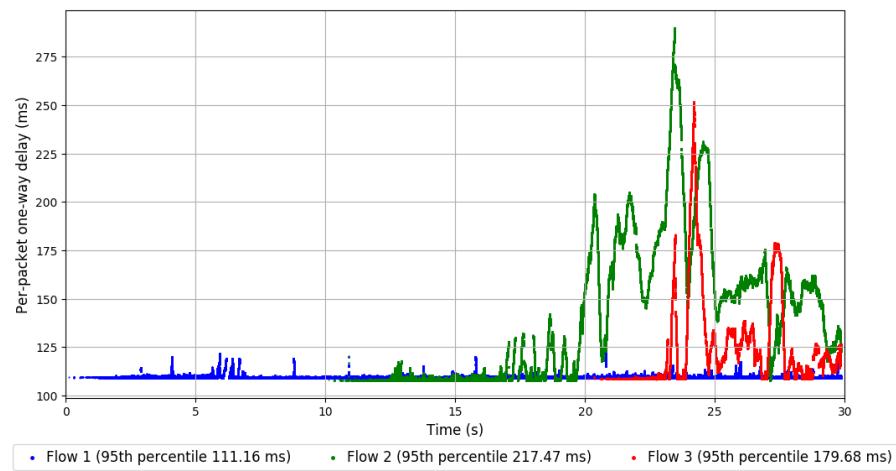
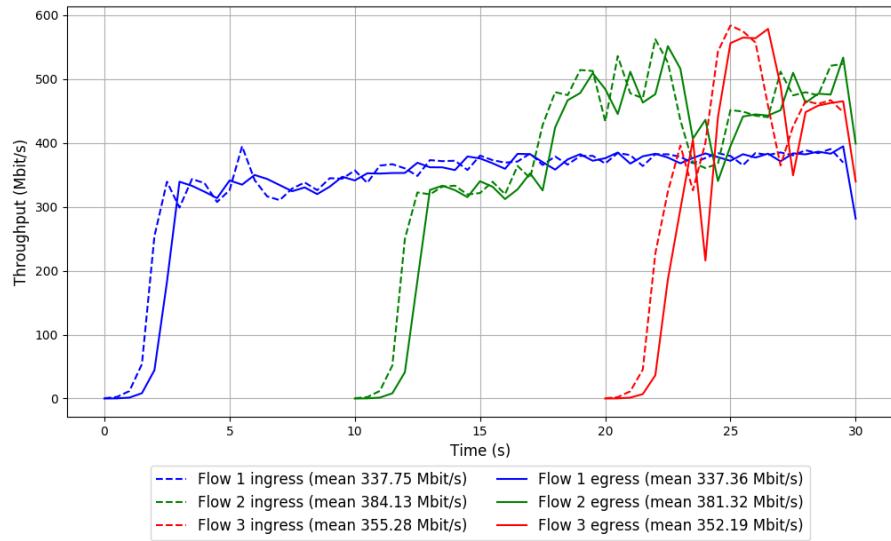


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-17 22:34:52
End at: 2019-07-17 22:35:22
Local clock offset: -0.083 ms
Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2019-07-18 01:30:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 705.83 Mbit/s
95th percentile per-packet one-way delay: 186.447 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 337.36 Mbit/s
95th percentile per-packet one-way delay: 111.159 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 381.32 Mbit/s
95th percentile per-packet one-way delay: 217.466 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 352.19 Mbit/s
95th percentile per-packet one-way delay: 179.680 ms
Loss rate: 3.05%
```

Run 3: Report of TCP Cubic — Data Link

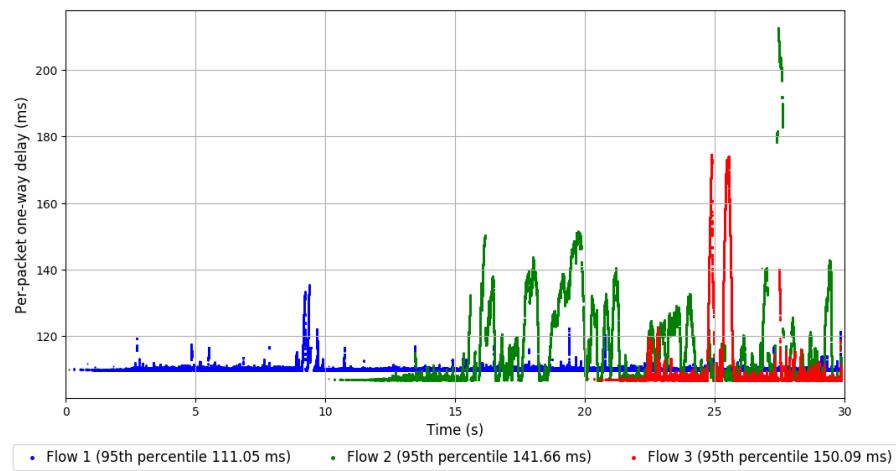
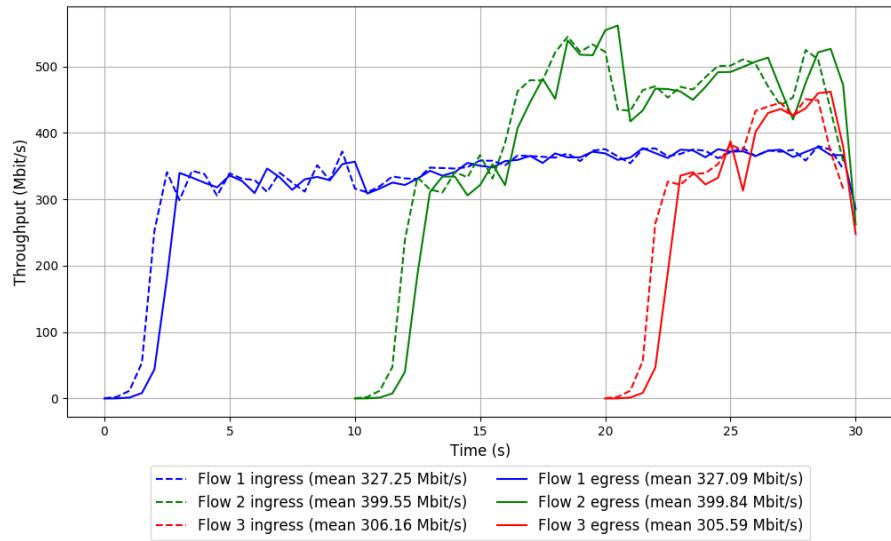


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-17 23:17:40
End at: 2019-07-17 23:18:10
Local clock offset: -0.059 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-18 01:30:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 692.59 Mbit/s
95th percentile per-packet one-way delay: 135.024 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 327.09 Mbit/s
95th percentile per-packet one-way delay: 111.048 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 399.84 Mbit/s
95th percentile per-packet one-way delay: 141.661 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 305.59 Mbit/s
95th percentile per-packet one-way delay: 150.085 ms
Loss rate: 2.35%
```

Run 4: Report of TCP Cubic — Data Link

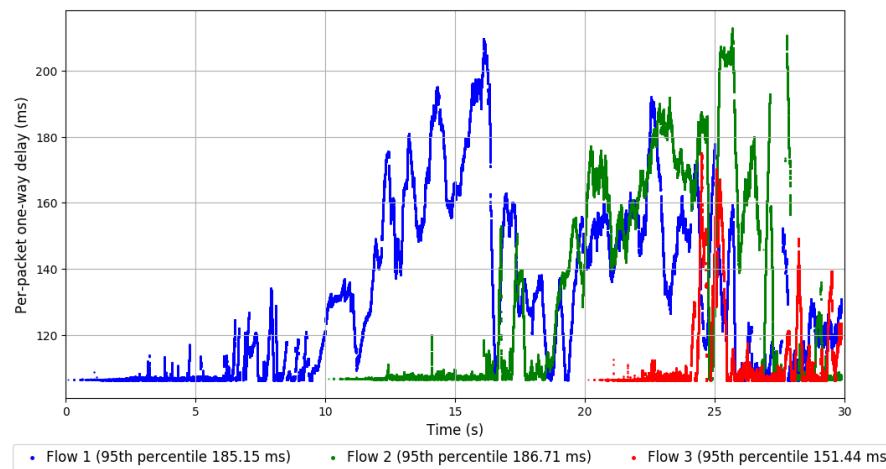
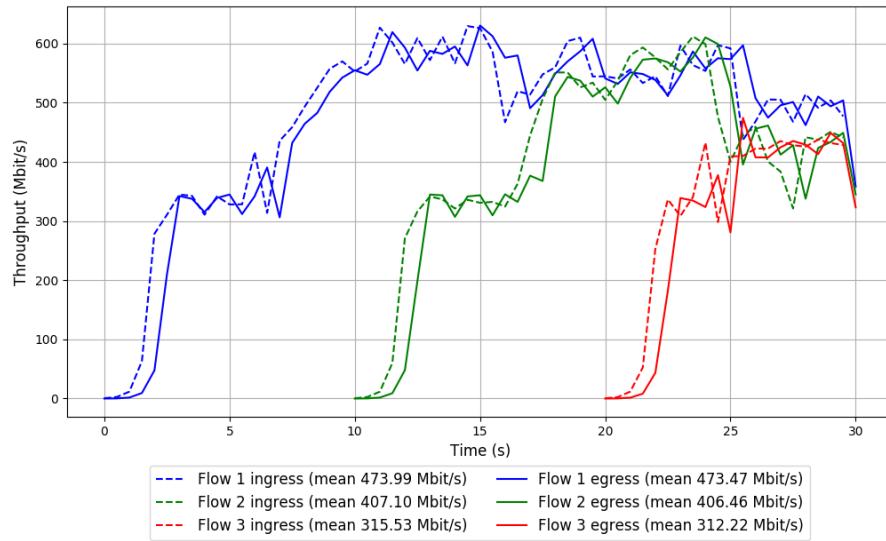


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-18 00:00:56
End at: 2019-07-18 00:01:26
Local clock offset: -0.357 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-07-18 01:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 845.54 Mbit/s
95th percentile per-packet one-way delay: 184.749 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 473.47 Mbit/s
95th percentile per-packet one-way delay: 185.147 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 406.46 Mbit/s
95th percentile per-packet one-way delay: 186.711 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 312.22 Mbit/s
95th percentile per-packet one-way delay: 151.442 ms
Loss rate: 3.20%
```

Run 5: Report of TCP Cubic — Data Link

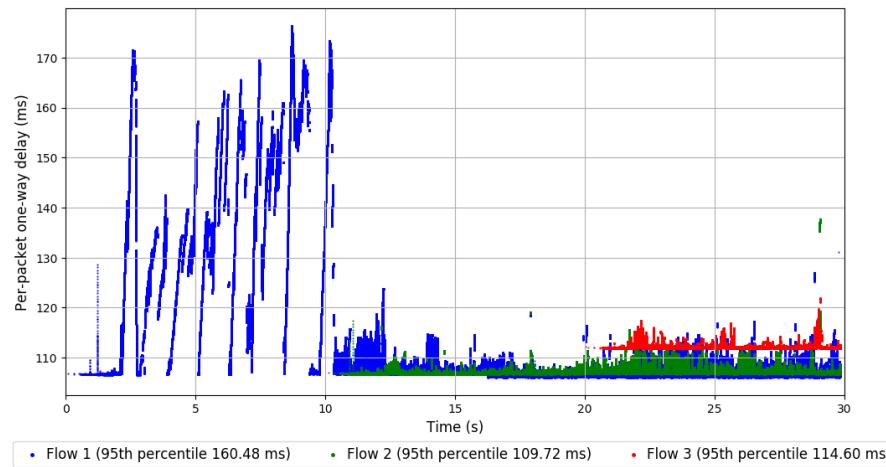
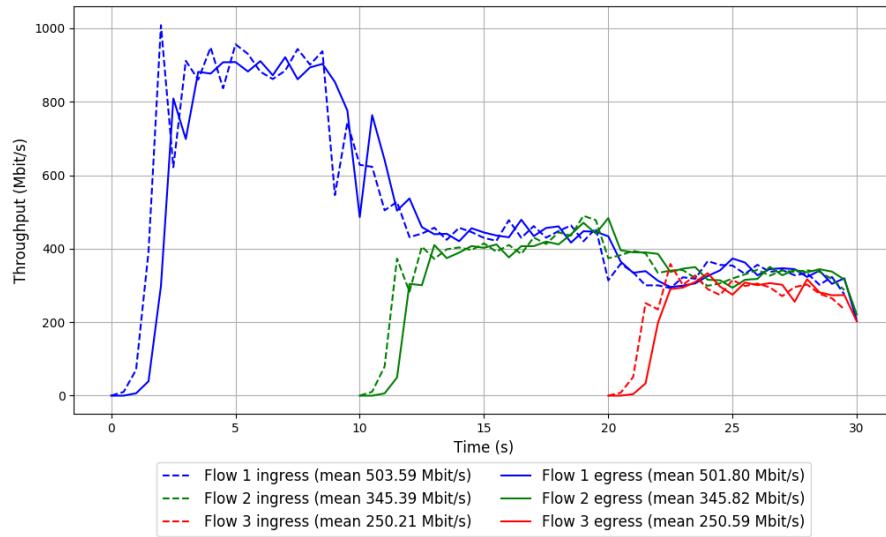


Run 1: Statistics of FillP

```
Start at: 2019-07-17 21:20:10
End at: 2019-07-17 21:20:40
Local clock offset: -0.069 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-07-18 01:33:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.74 Mbit/s
95th percentile per-packet one-way delay: 156.421 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 501.80 Mbit/s
95th percentile per-packet one-way delay: 160.483 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 345.82 Mbit/s
95th percentile per-packet one-way delay: 109.724 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 250.59 Mbit/s
95th percentile per-packet one-way delay: 114.596 ms
Loss rate: 2.04%
```

Run 1: Report of FillP — Data Link

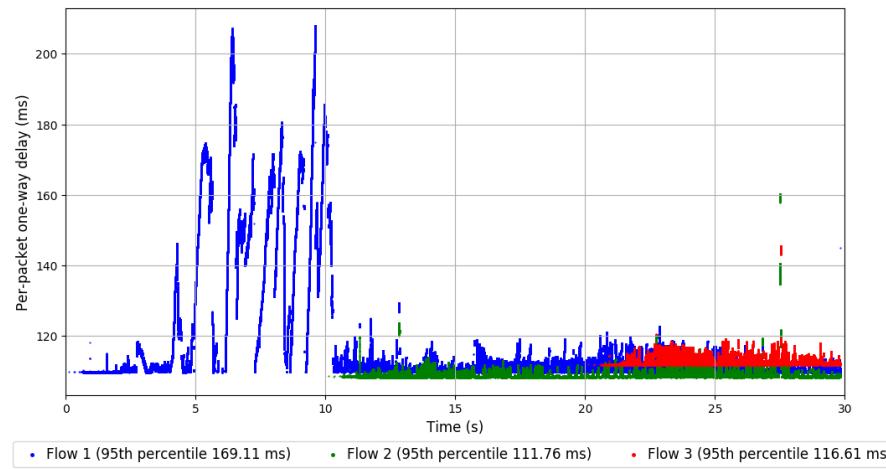
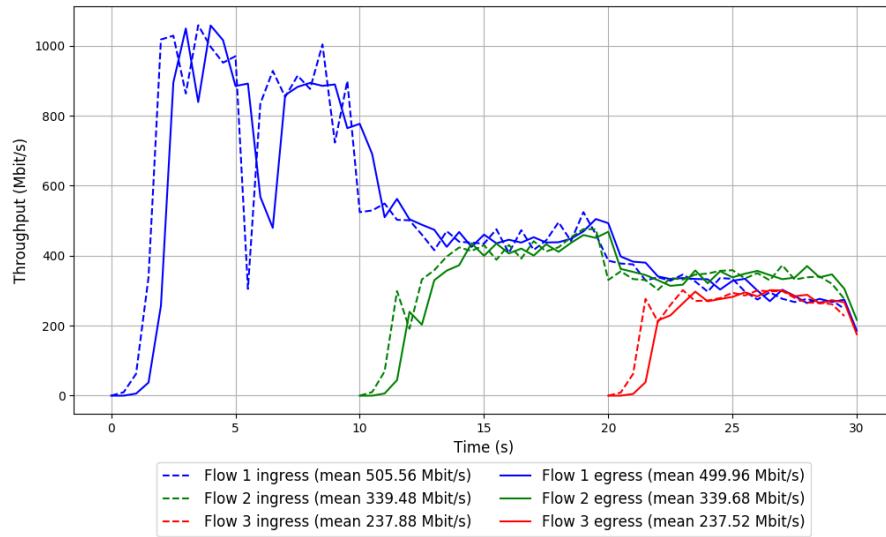


Run 2: Statistics of FillP

```
Start at: 2019-07-17 22:03:55
End at: 2019-07-17 22:04:25
Local clock offset: -0.038 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-07-18 01:43:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.77 Mbit/s
95th percentile per-packet one-way delay: 163.380 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 499.96 Mbit/s
95th percentile per-packet one-way delay: 169.108 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 339.68 Mbit/s
95th percentile per-packet one-way delay: 111.764 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 237.52 Mbit/s
95th percentile per-packet one-way delay: 116.605 ms
Loss rate: 2.33%
```

Run 2: Report of FillP — Data Link

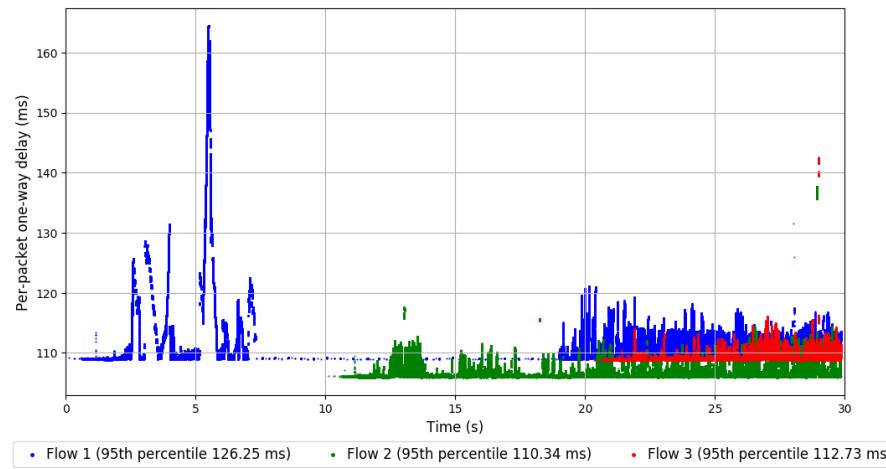
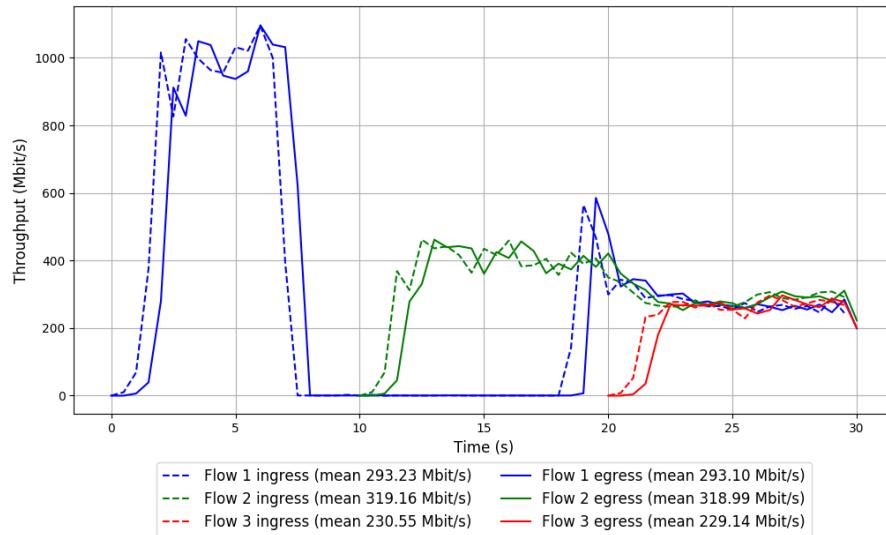


Run 3: Statistics of FillP

```
Start at: 2019-07-17 22:46:54
End at: 2019-07-17 22:47:24
Local clock offset: -0.088 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2019-07-18 01:43:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 579.56 Mbit/s
95th percentile per-packet one-way delay: 121.489 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 293.10 Mbit/s
95th percentile per-packet one-way delay: 126.254 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 318.99 Mbit/s
95th percentile per-packet one-way delay: 110.345 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 229.14 Mbit/s
95th percentile per-packet one-way delay: 112.734 ms
Loss rate: 2.81%
```

Run 3: Report of FillP — Data Link

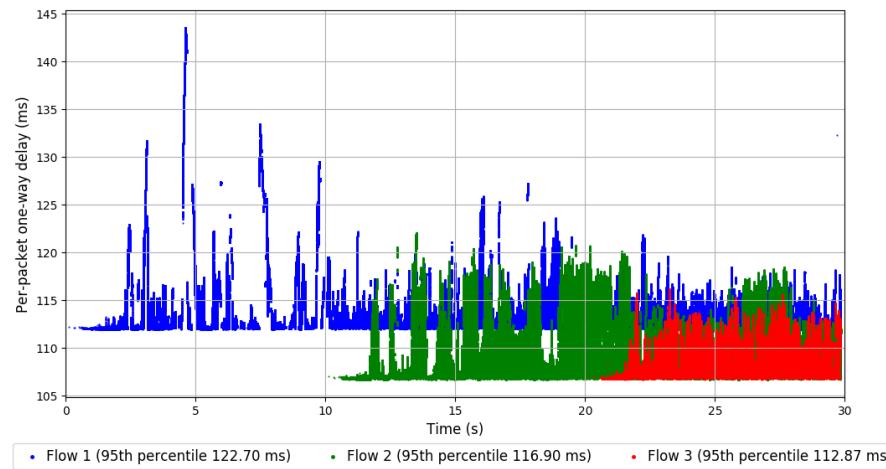
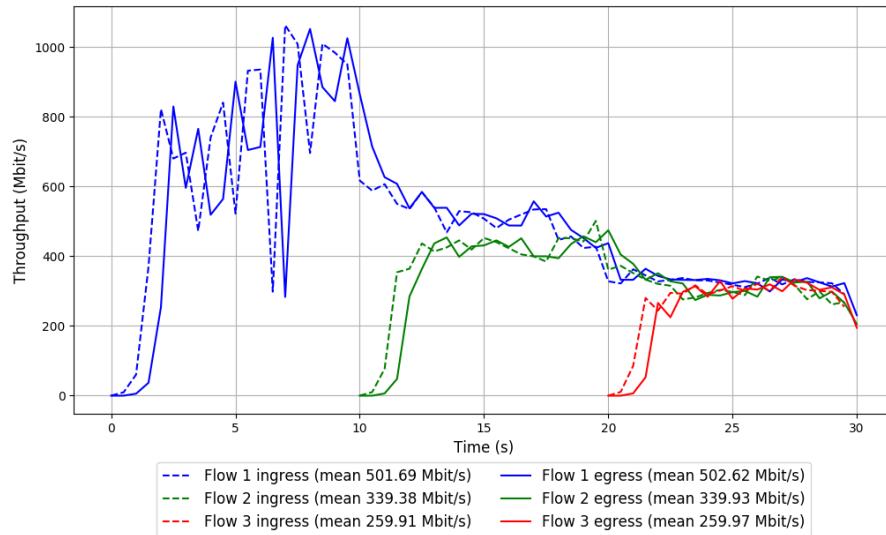


Run 4: Statistics of FillP

```
Start at: 2019-07-17 23:30:05
End at: 2019-07-17 23:30:35
Local clock offset: -0.075 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-07-18 01:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.82 Mbit/s
95th percentile per-packet one-way delay: 119.562 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 502.62 Mbit/s
95th percentile per-packet one-way delay: 122.701 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 339.93 Mbit/s
95th percentile per-packet one-way delay: 116.900 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 259.97 Mbit/s
95th percentile per-packet one-way delay: 112.874 ms
Loss rate: 2.41%
```

Run 4: Report of FillP — Data Link

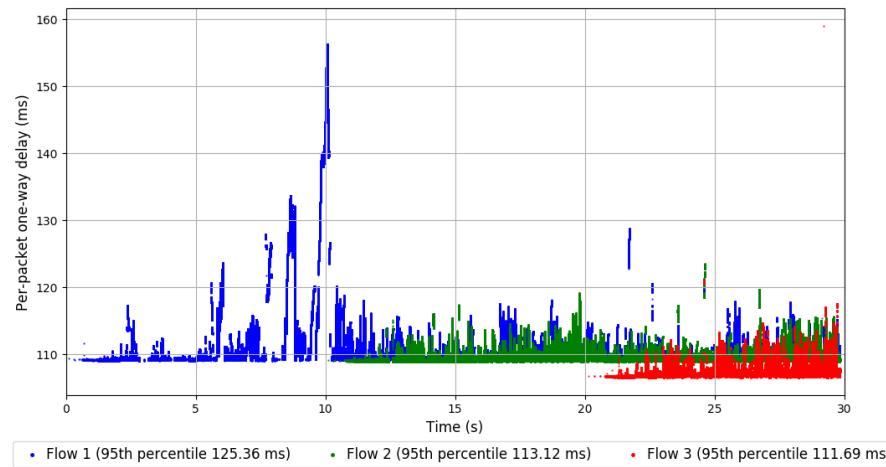
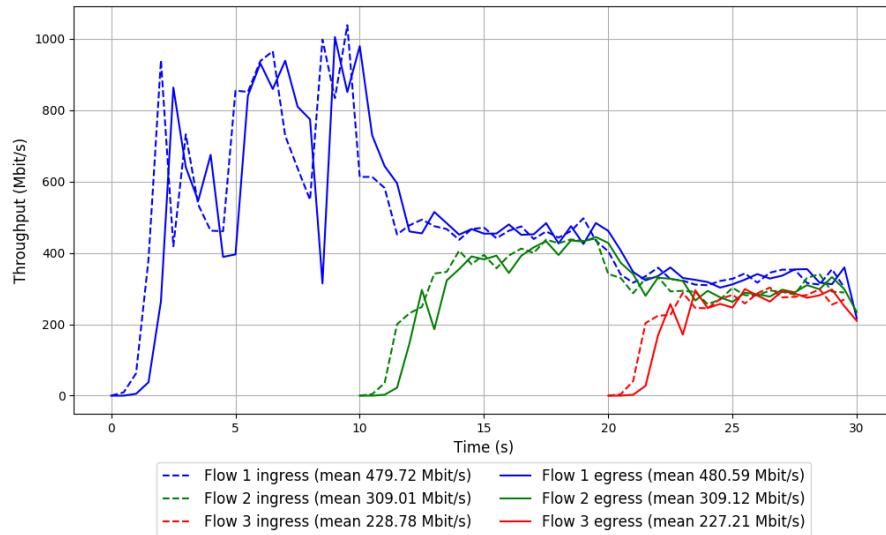


```
Run 5: Statistics of FillP
```

```
Start at: 2019-07-18 00:13:15
End at: 2019-07-18 00:13:45
Local clock offset: -0.189 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-07-18 01:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 759.49 Mbit/s
95th percentile per-packet one-way delay: 119.073 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 480.59 Mbit/s
95th percentile per-packet one-way delay: 125.362 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 309.12 Mbit/s
95th percentile per-packet one-way delay: 113.125 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 227.21 Mbit/s
95th percentile per-packet one-way delay: 111.690 ms
Loss rate: 2.86%
```

Run 5: Report of FillP — Data Link

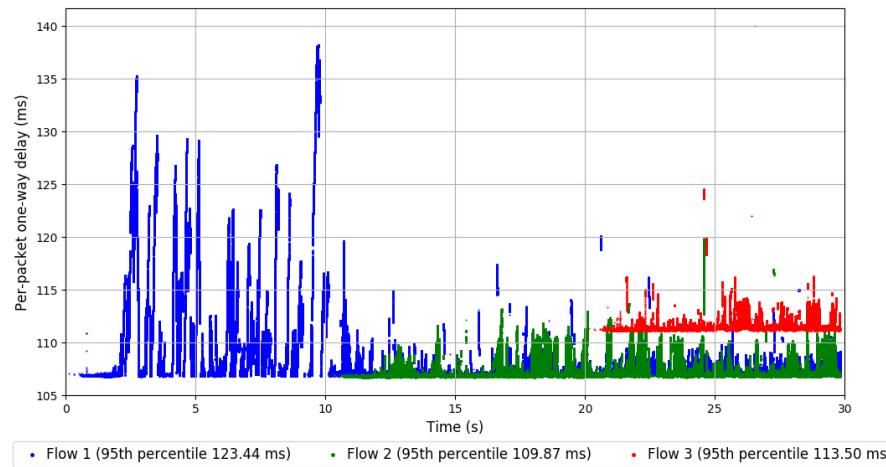
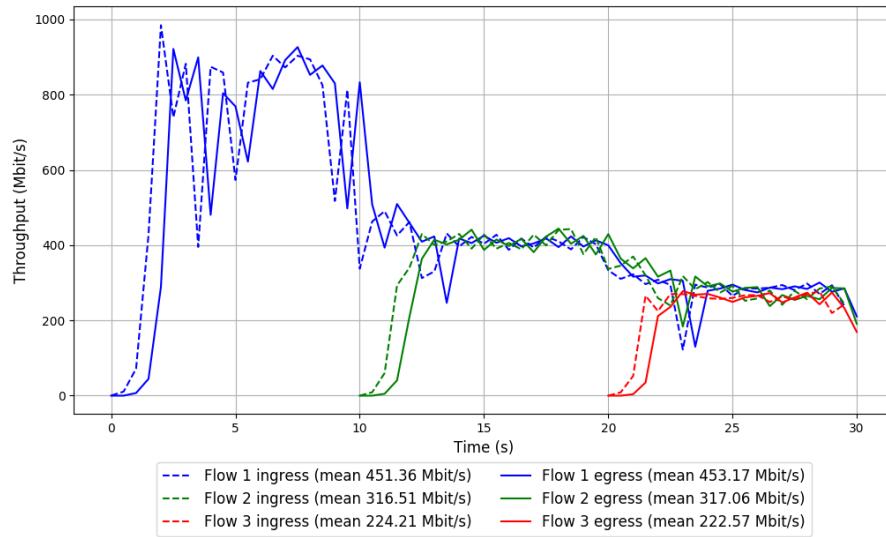


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-17 21:27:48
End at: 2019-07-17 21:28:18
Local clock offset: -0.062 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-07-18 01:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.80 Mbit/s
95th percentile per-packet one-way delay: 120.368 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 453.17 Mbit/s
95th percentile per-packet one-way delay: 123.440 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 317.06 Mbit/s
95th percentile per-packet one-way delay: 109.866 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 222.57 Mbit/s
95th percentile per-packet one-way delay: 113.505 ms
Loss rate: 2.96%
```

Run 1: Report of FillP-Sheep — Data Link

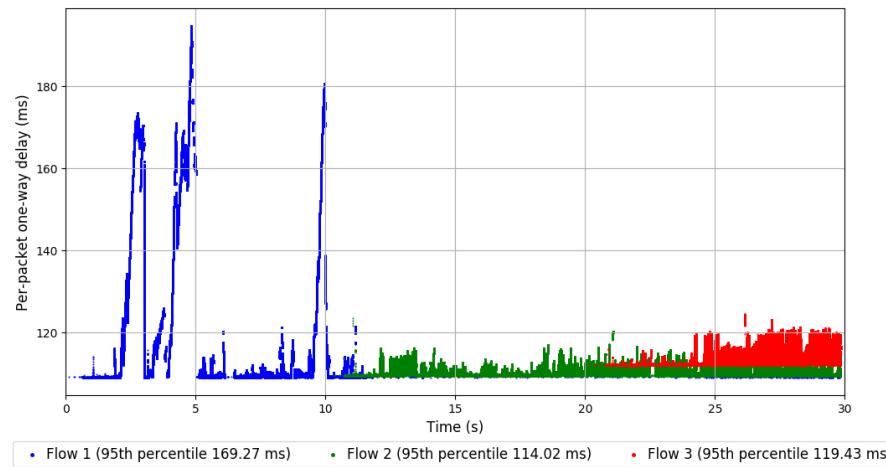
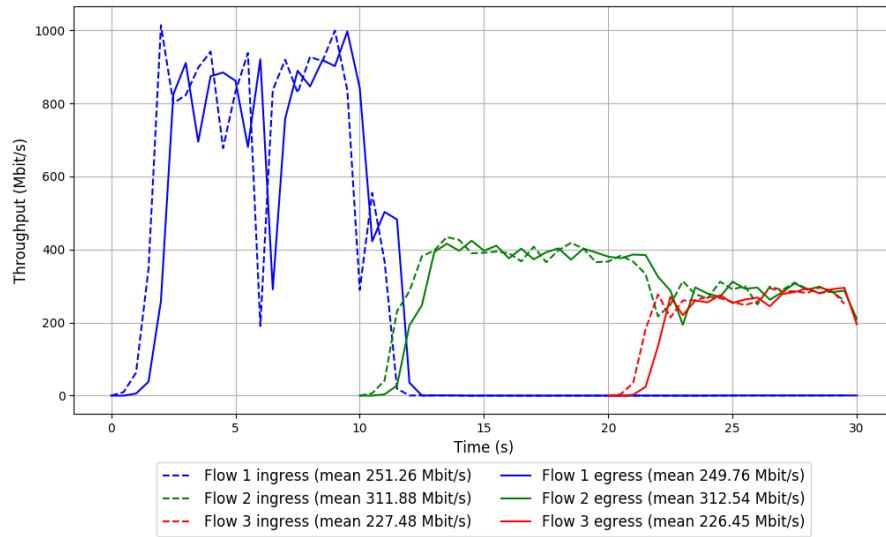


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-17 22:11:36
End at: 2019-07-17 22:12:06
Local clock offset: -0.268 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2019-07-18 01:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.74 Mbit/s
95th percentile per-packet one-way delay: 162.308 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 249.76 Mbit/s
95th percentile per-packet one-way delay: 169.274 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 312.54 Mbit/s
95th percentile per-packet one-way delay: 114.020 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 226.45 Mbit/s
95th percentile per-packet one-way delay: 119.434 ms
Loss rate: 2.70%
```

Run 2: Report of FillP-Sheep — Data Link

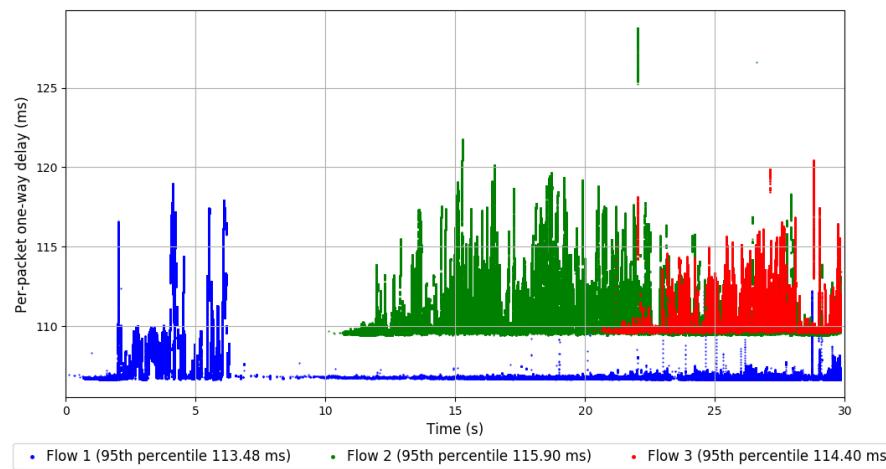
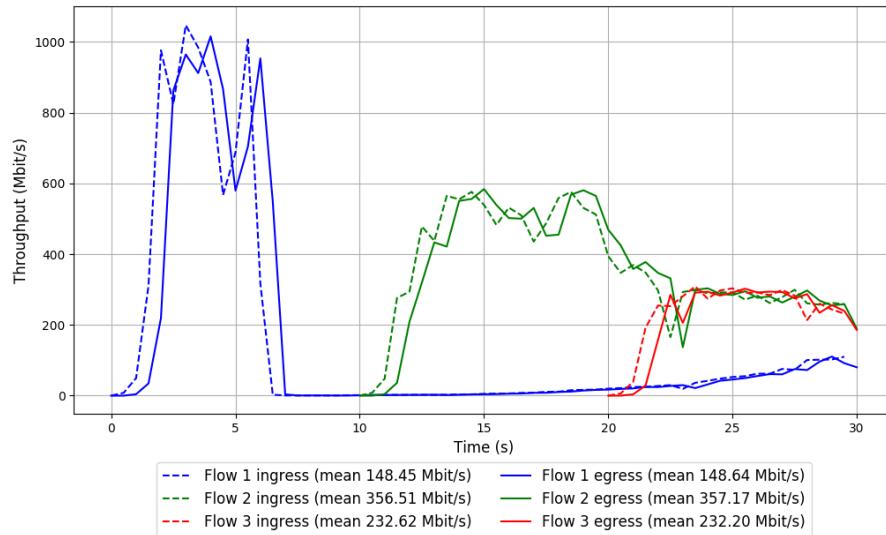


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-17 22:54:18
End at: 2019-07-17 22:54:48
Local clock offset: -0.08 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-07-18 01:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.19 Mbit/s
95th percentile per-packet one-way delay: 115.291 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 148.64 Mbit/s
95th percentile per-packet one-way delay: 113.480 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 357.17 Mbit/s
95th percentile per-packet one-way delay: 115.896 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 232.20 Mbit/s
95th percentile per-packet one-way delay: 114.404 ms
Loss rate: 2.33%
```

Run 3: Report of FillP-Sheep — Data Link

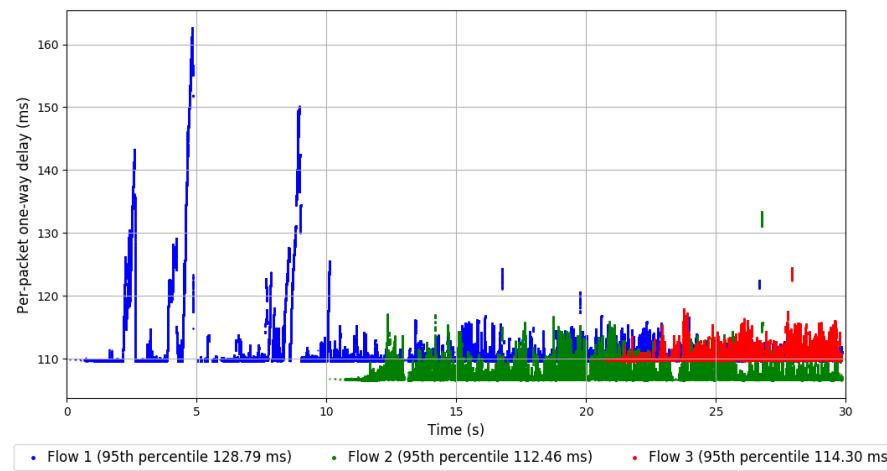
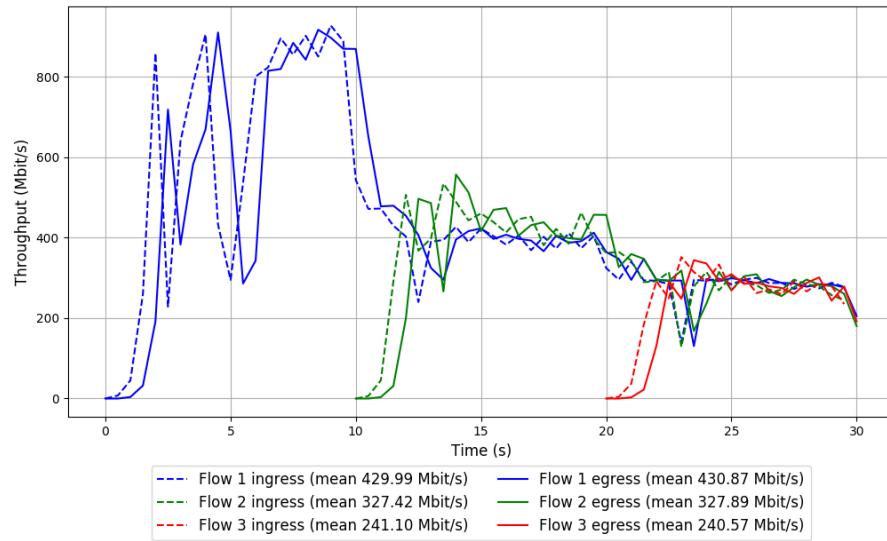


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-17 23:37:43
End at: 2019-07-17 23:38:13
Local clock offset: -0.01 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-07-18 01:50:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 726.99 Mbit/s
95th percentile per-packet one-way delay: 123.377 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 430.87 Mbit/s
95th percentile per-packet one-way delay: 128.787 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 327.89 Mbit/s
95th percentile per-packet one-way delay: 112.458 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 240.57 Mbit/s
95th percentile per-packet one-way delay: 114.302 ms
Loss rate: 2.40%
```

Run 4: Report of FillP-Sheep — Data Link

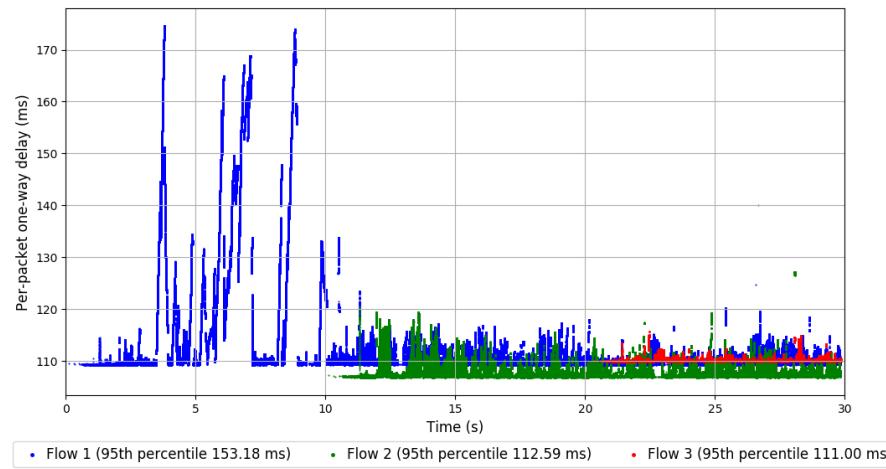
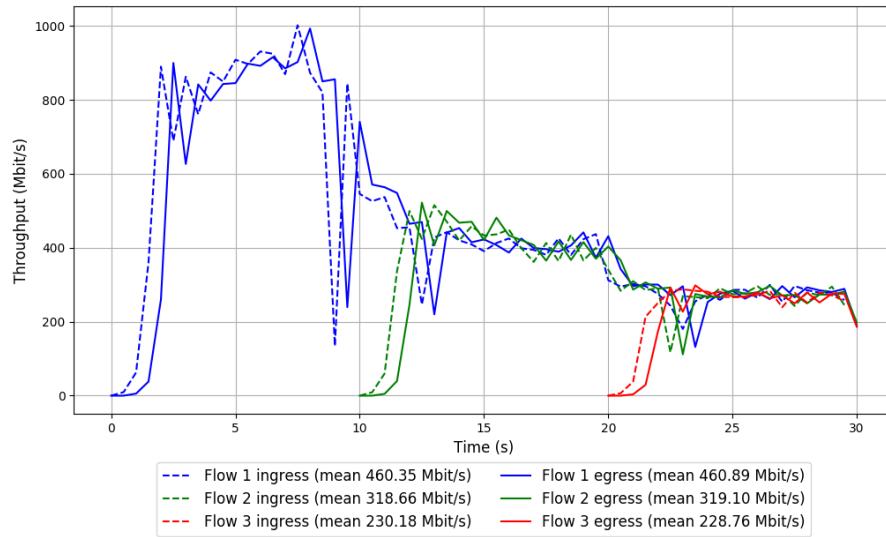


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-18 00:20:59
End at: 2019-07-18 00:21:29
Local clock offset: -0.047 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-07-18 01:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 746.92 Mbit/s
95th percentile per-packet one-way delay: 140.613 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 460.89 Mbit/s
95th percentile per-packet one-way delay: 153.176 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 319.10 Mbit/s
95th percentile per-packet one-way delay: 112.592 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 228.76 Mbit/s
95th percentile per-packet one-way delay: 111.005 ms
Loss rate: 2.82%
```

Run 5: Report of FillP-Sheep — Data Link

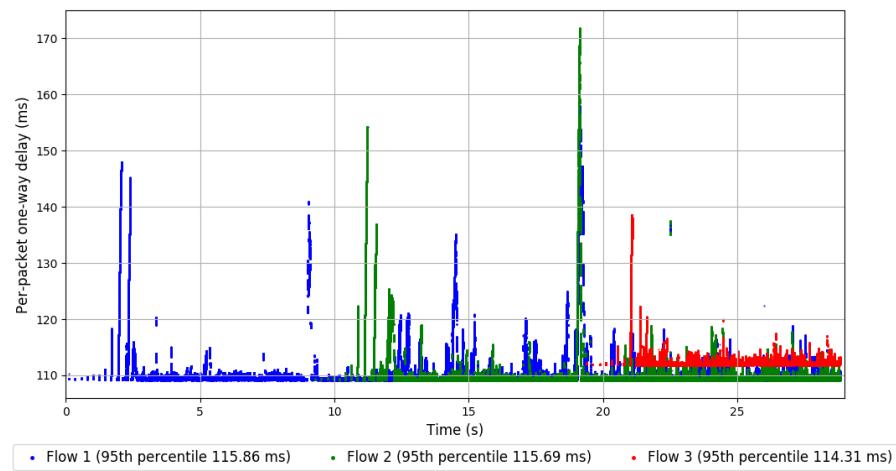
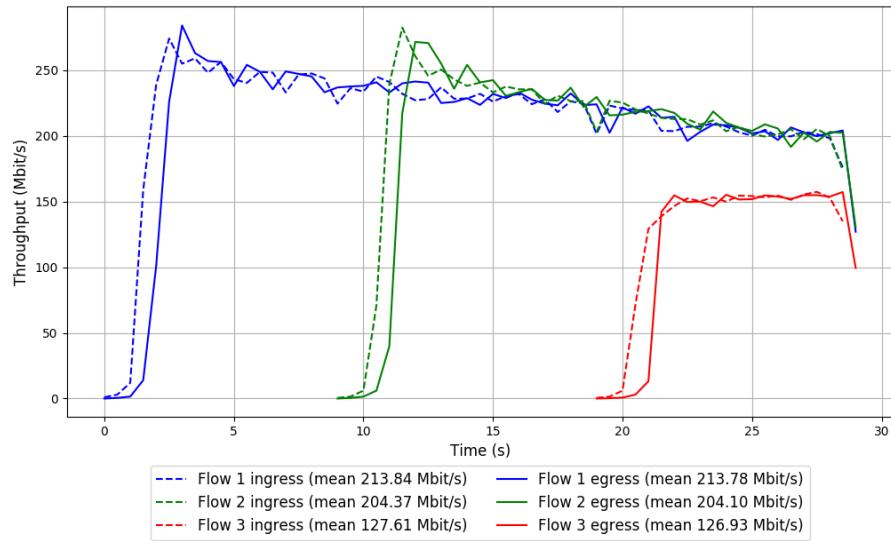


Run 1: Statistics of Indigo

```
Start at: 2019-07-17 21:16:47
End at: 2019-07-17 21:17:17
Local clock offset: -0.072 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-18 01:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.50 Mbit/s
95th percentile per-packet one-way delay: 115.568 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 213.78 Mbit/s
95th percentile per-packet one-way delay: 115.855 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 204.10 Mbit/s
95th percentile per-packet one-way delay: 115.692 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 126.93 Mbit/s
95th percentile per-packet one-way delay: 114.314 ms
Loss rate: 2.81%
```

Run 1: Report of Indigo — Data Link

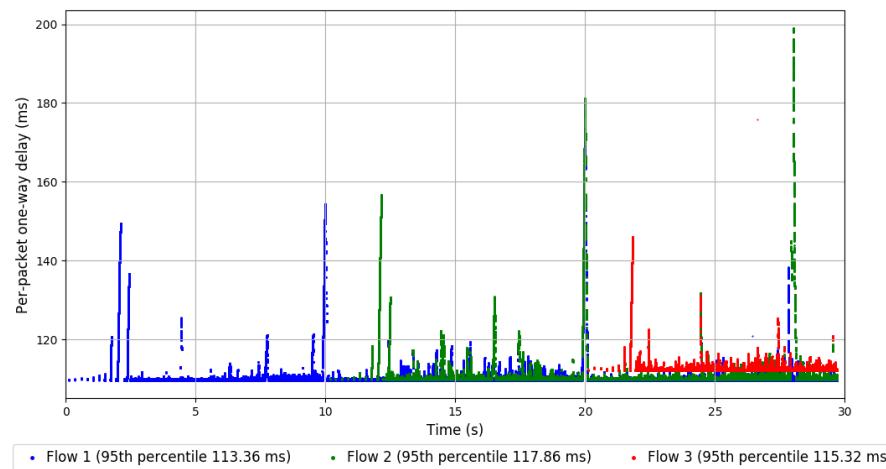
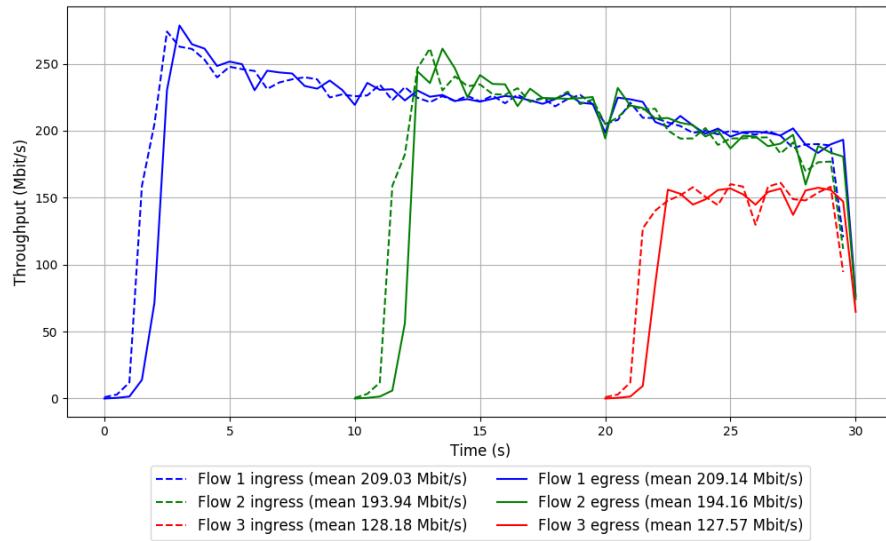


Run 2: Statistics of Indigo

```
Start at: 2019-07-17 22:00:33
End at: 2019-07-17 22:01:03
Local clock offset: -0.065 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-07-18 01:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.53 Mbit/s
95th percentile per-packet one-way delay: 114.915 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 209.14 Mbit/s
95th percentile per-packet one-way delay: 113.364 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 194.16 Mbit/s
95th percentile per-packet one-way delay: 117.864 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 127.57 Mbit/s
95th percentile per-packet one-way delay: 115.317 ms
Loss rate: 2.72%
```

Run 2: Report of Indigo — Data Link

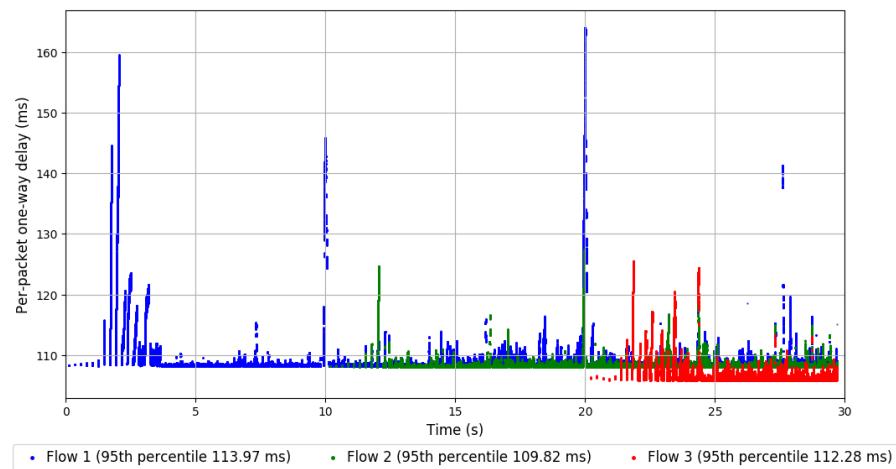
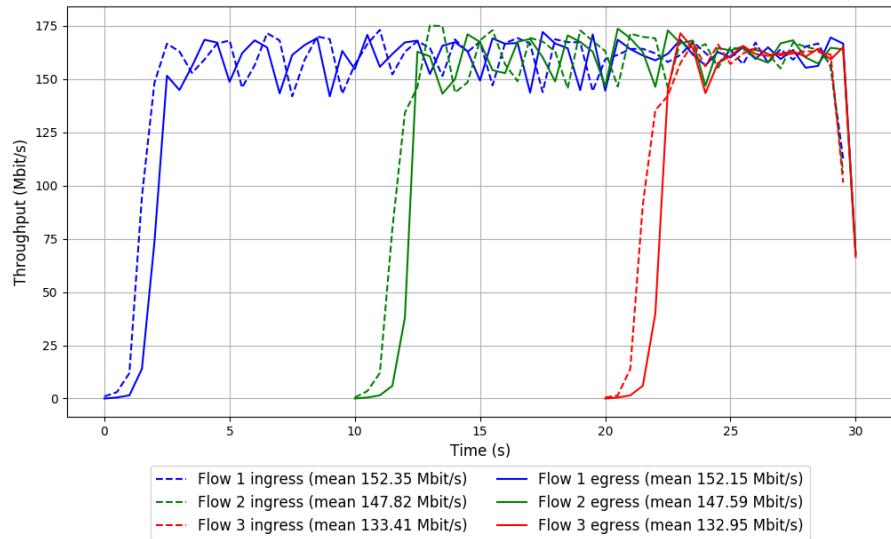


Run 3: Statistics of Indigo

```
Start at: 2019-07-17 22:43:43
End at: 2019-07-17 22:44:13
Local clock offset: -0.794 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2019-07-18 01:56:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.08 Mbit/s
95th percentile per-packet one-way delay: 111.874 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 152.15 Mbit/s
95th percentile per-packet one-way delay: 113.965 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 147.59 Mbit/s
95th percentile per-packet one-way delay: 109.819 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 132.95 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 2.68%
```

Run 3: Report of Indigo — Data Link

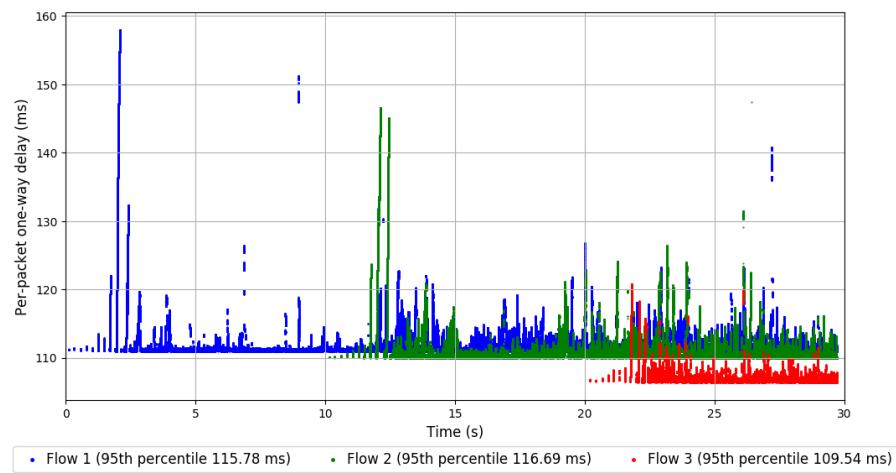
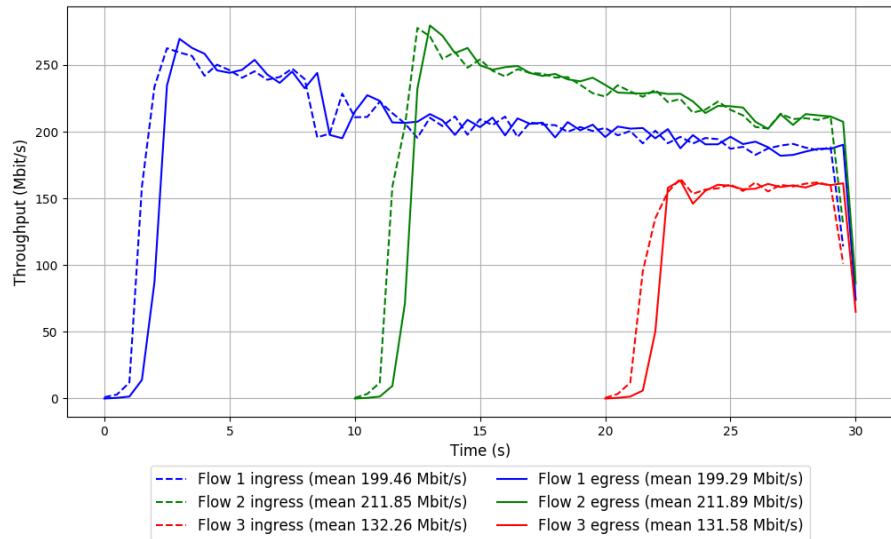


Run 4: Statistics of Indigo

```
Start at: 2019-07-17 23:26:43
End at: 2019-07-17 23:27:13
Local clock offset: -0.117 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-18 01:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.58 Mbit/s
95th percentile per-packet one-way delay: 115.614 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 199.29 Mbit/s
95th percentile per-packet one-way delay: 115.776 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 211.89 Mbit/s
95th percentile per-packet one-way delay: 116.691 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 109.540 ms
Loss rate: 2.71%
```

Run 4: Report of Indigo — Data Link

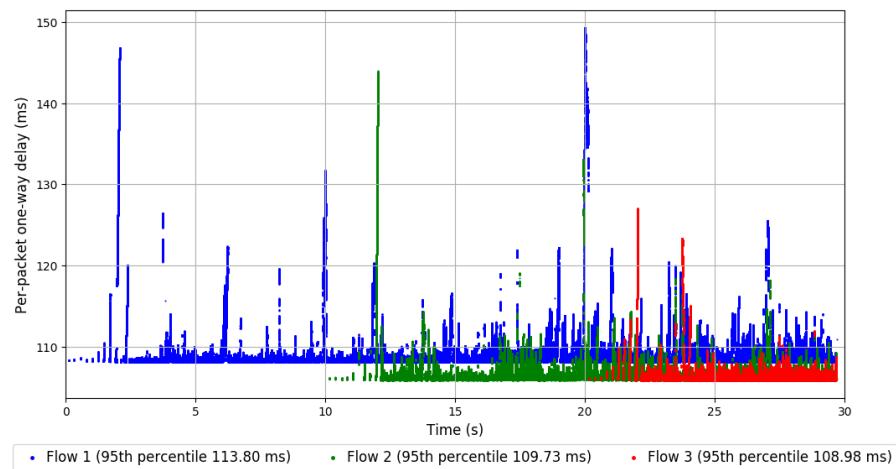
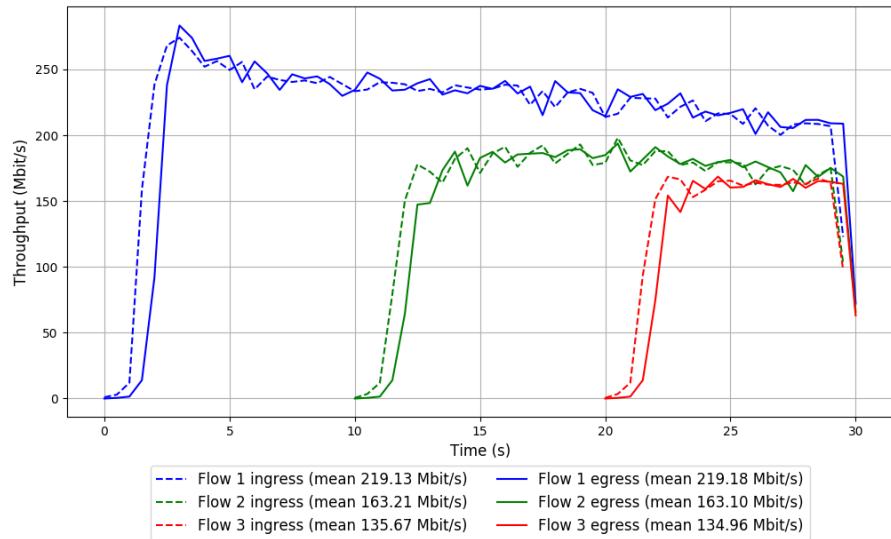


Run 5: Statistics of Indigo

```
Start at: 2019-07-18 00:09:54
End at: 2019-07-18 00:10:24
Local clock offset: -0.165 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-07-18 01:57:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.39 Mbit/s
95th percentile per-packet one-way delay: 112.463 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 219.18 Mbit/s
95th percentile per-packet one-way delay: 113.795 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 163.10 Mbit/s
95th percentile per-packet one-way delay: 109.731 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 134.96 Mbit/s
95th percentile per-packet one-way delay: 108.985 ms
Loss rate: 2.71%
```

Run 5: Report of Indigo — Data Link

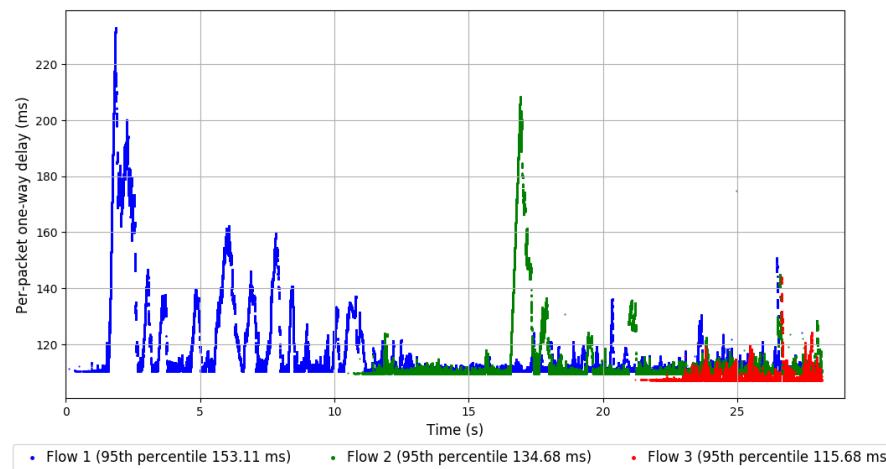
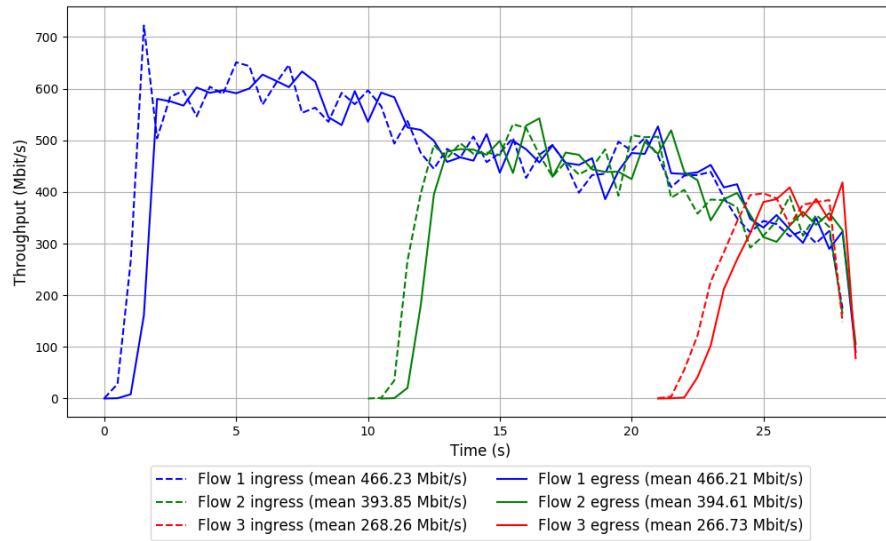


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 21:45:18
End at: 2019-07-17 21:45:48
Local clock offset: 0.028 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2019-07-18 01:58:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 780.54 Mbit/s
95th percentile per-packet one-way delay: 147.067 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 466.21 Mbit/s
95th percentile per-packet one-way delay: 153.112 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 394.61 Mbit/s
95th percentile per-packet one-way delay: 134.681 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 266.73 Mbit/s
95th percentile per-packet one-way delay: 115.681 ms
Loss rate: 3.50%
```

Run 1: Report of Indigo-MusesC3 — Data Link

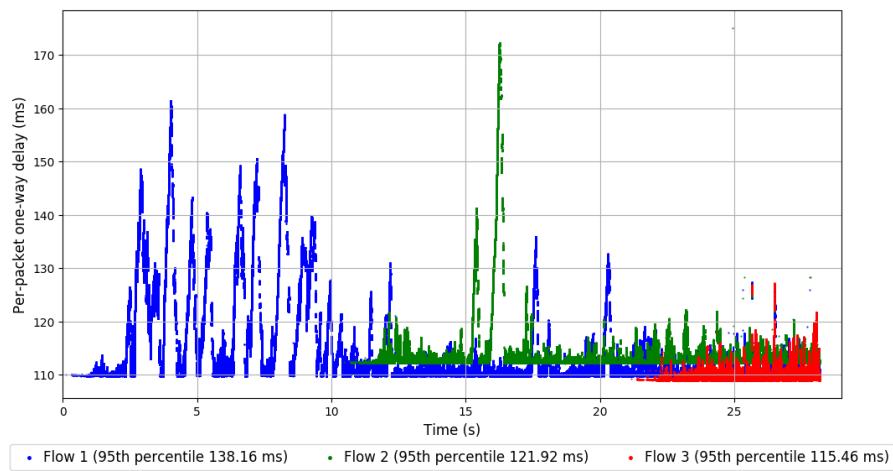
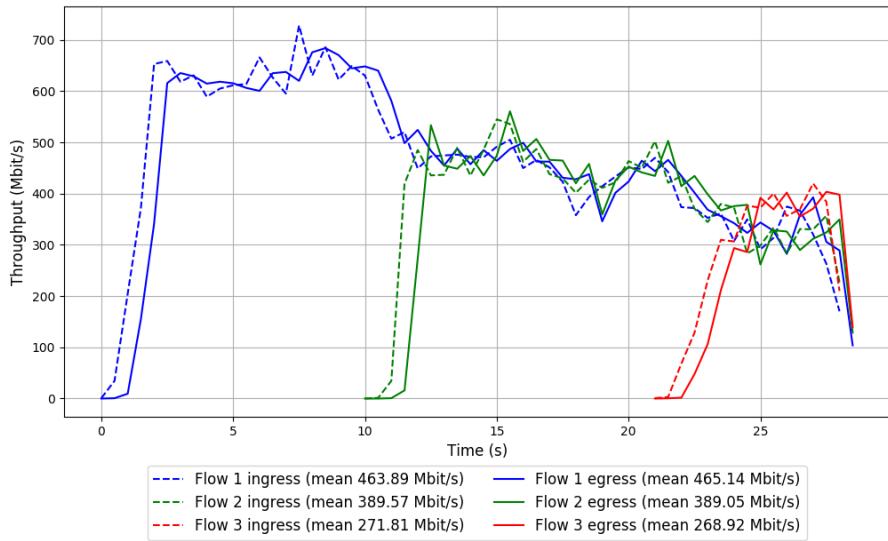


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 22:28:43
End at: 2019-07-17 22:29:13
Local clock offset: -0.147 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-07-18 02:05:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 777.71 Mbit/s
95th percentile per-packet one-way delay: 134.793 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 465.14 Mbit/s
95th percentile per-packet one-way delay: 138.158 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 389.05 Mbit/s
95th percentile per-packet one-way delay: 121.916 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 268.92 Mbit/s
95th percentile per-packet one-way delay: 115.462 ms
Loss rate: 4.06%
```

Run 2: Report of Indigo-MusesC3 — Data Link

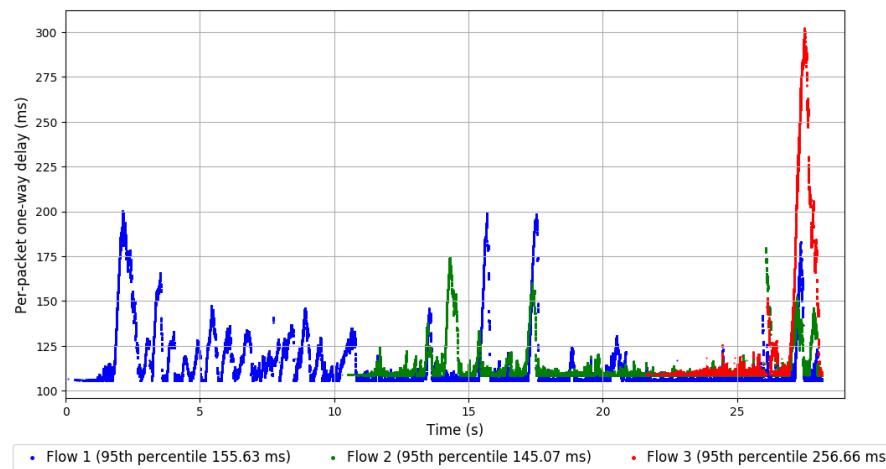
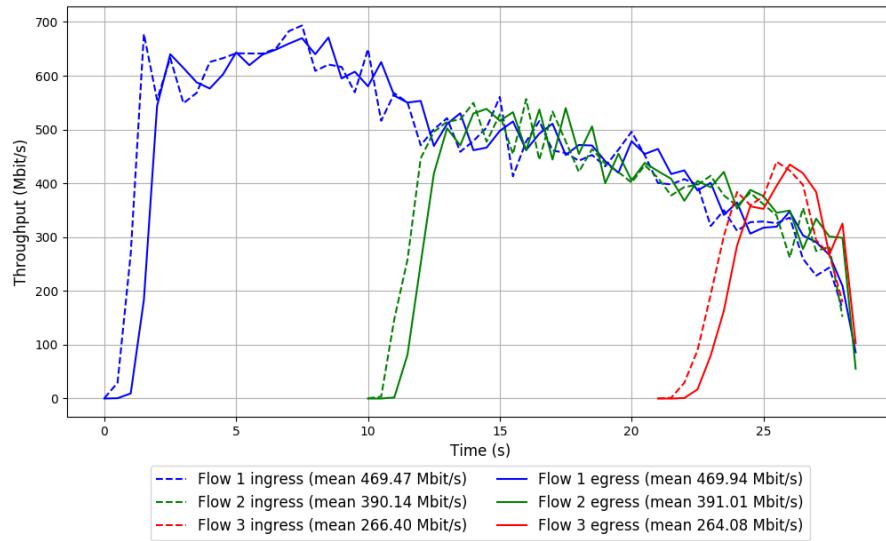


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 23:11:31
End at: 2019-07-17 23:12:01
Local clock offset: -0.917 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2019-07-18 02:08:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 782.91 Mbit/s
95th percentile per-packet one-way delay: 154.360 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 469.94 Mbit/s
95th percentile per-packet one-way delay: 155.635 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 391.01 Mbit/s
95th percentile per-packet one-way delay: 145.066 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 264.08 Mbit/s
95th percentile per-packet one-way delay: 256.662 ms
Loss rate: 4.10%
```

Run 3: Report of Indigo-MusesC3 — Data Link

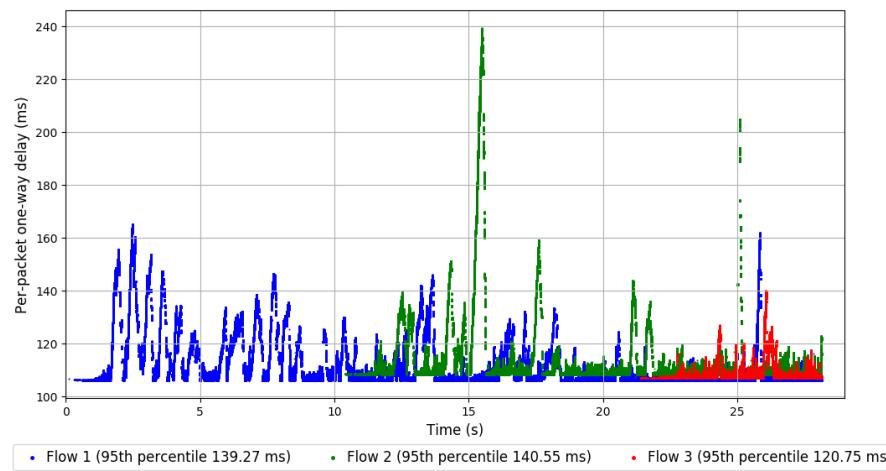
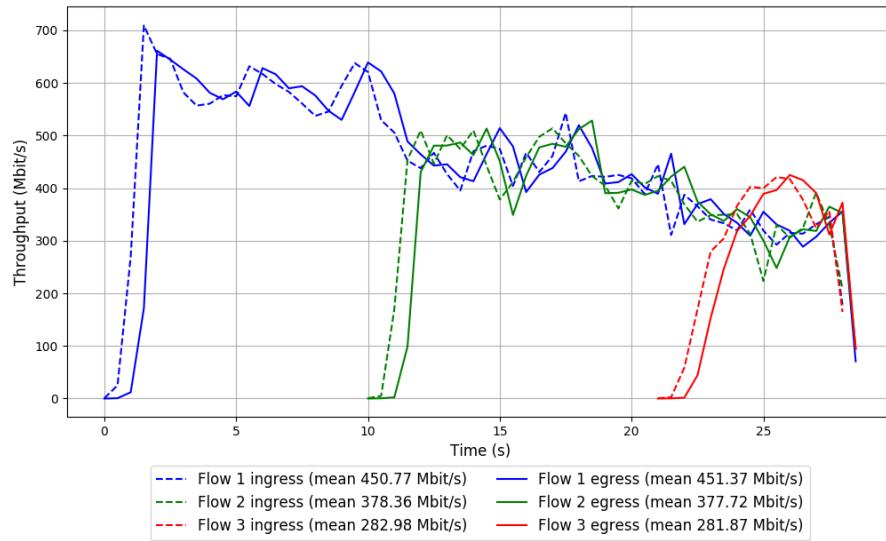


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 23:54:49
End at: 2019-07-17 23:55:19
Local clock offset: -0.037 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2019-07-18 02:08:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 762.85 Mbit/s
95th percentile per-packet one-way delay: 137.970 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 451.37 Mbit/s
95th percentile per-packet one-way delay: 139.272 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 377.72 Mbit/s
95th percentile per-packet one-way delay: 140.550 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 281.87 Mbit/s
95th percentile per-packet one-way delay: 120.755 ms
Loss rate: 3.43%
```

Run 4: Report of Indigo-MusesC3 — Data Link

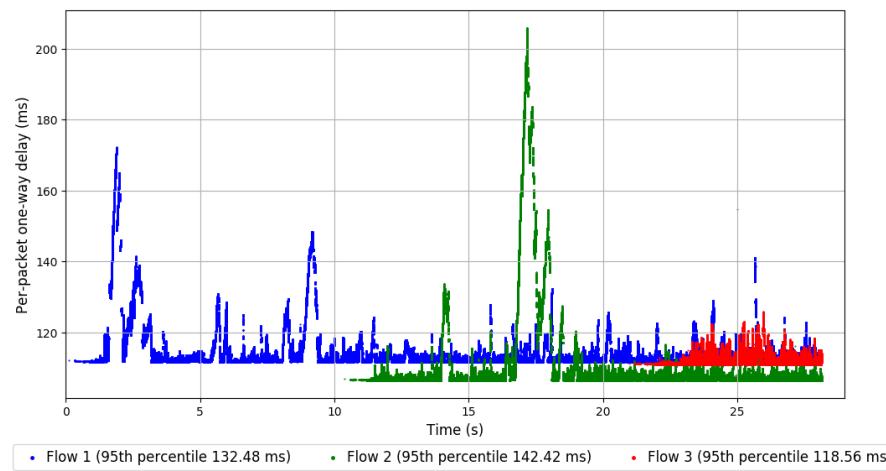
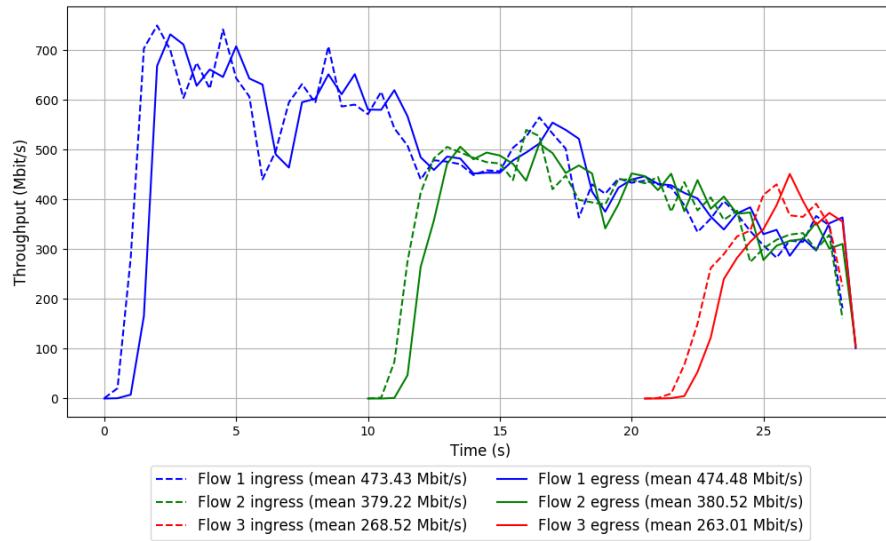


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 00:38:22
End at: 2019-07-18 00:38:52
Local clock offset: -0.144 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2019-07-18 02:09:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 783.24 Mbit/s
95th percentile per-packet one-way delay: 132.452 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 474.48 Mbit/s
95th percentile per-packet one-way delay: 132.484 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 380.52 Mbit/s
95th percentile per-packet one-way delay: 142.420 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 263.01 Mbit/s
95th percentile per-packet one-way delay: 118.555 ms
Loss rate: 5.14%
```

Run 5: Report of Indigo-MusesC3 — Data Link

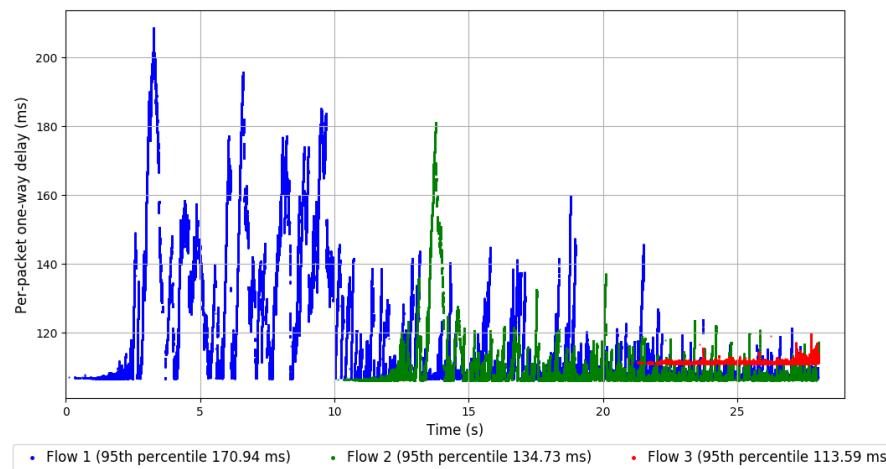
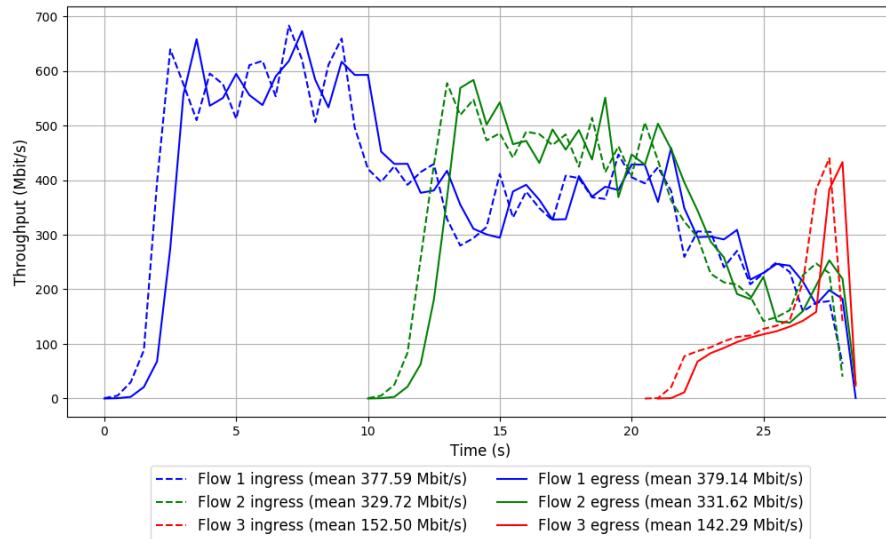


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 21:22:05
End at: 2019-07-17 21:22:35
Local clock offset: -0.088 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-07-18 02:09:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 627.02 Mbit/s
95th percentile per-packet one-way delay: 161.979 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 379.14 Mbit/s
95th percentile per-packet one-way delay: 170.940 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 331.62 Mbit/s
95th percentile per-packet one-way delay: 134.731 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 142.29 Mbit/s
95th percentile per-packet one-way delay: 113.595 ms
Loss rate: 9.61%
```

Run 1: Report of Indigo-MusesC5 — Data Link

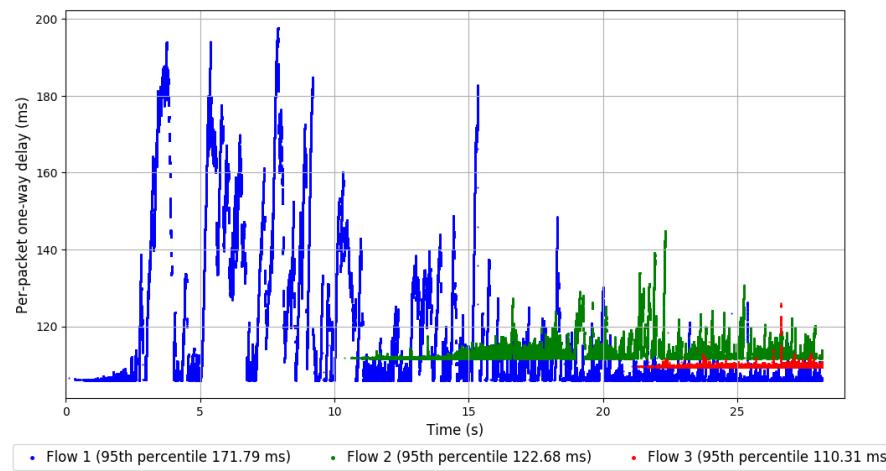
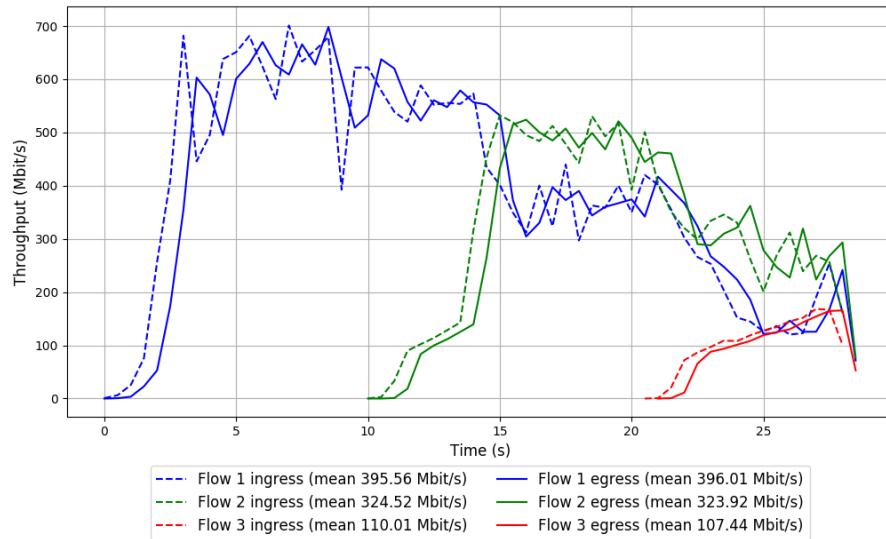


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 22:05:49
End at: 2019-07-17 22:06:19
Local clock offset: -0.172 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-07-18 02:09:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 628.38 Mbit/s
95th percentile per-packet one-way delay: 164.948 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 396.01 Mbit/s
95th percentile per-packet one-way delay: 171.788 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 323.92 Mbit/s
95th percentile per-packet one-way delay: 122.678 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 107.44 Mbit/s
95th percentile per-packet one-way delay: 110.311 ms
Loss rate: 5.27%
```

Run 2: Report of Indigo-MusesC5 — Data Link

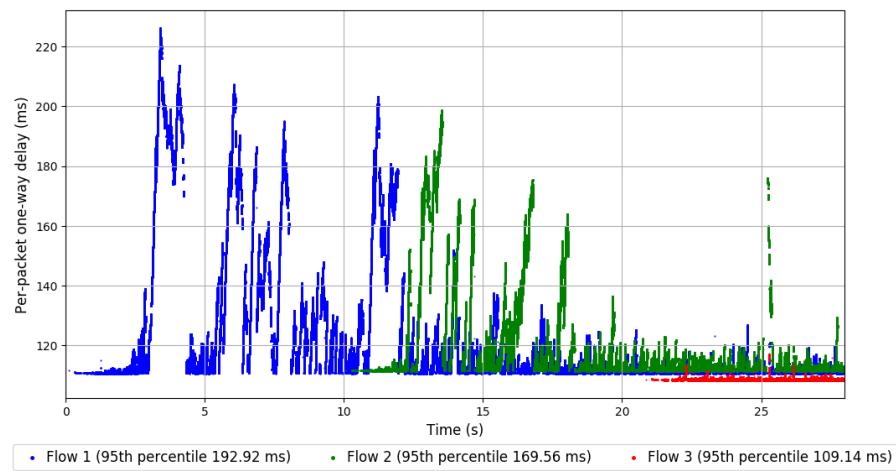
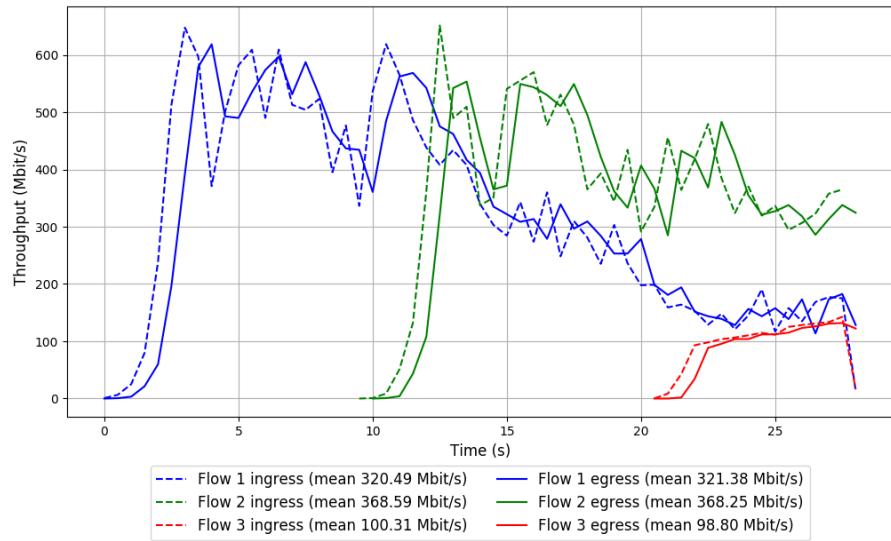


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 22:48:39
End at: 2019-07-17 22:49:09
Local clock offset: -0.631 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2019-07-18 02:09:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 583.08 Mbit/s
95th percentile per-packet one-way delay: 183.615 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 321.38 Mbit/s
95th percentile per-packet one-way delay: 192.919 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 368.25 Mbit/s
95th percentile per-packet one-way delay: 169.558 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 98.80 Mbit/s
95th percentile per-packet one-way delay: 109.140 ms
Loss rate: 4.43%
```

Run 3: Report of Indigo-MusesC5 — Data Link

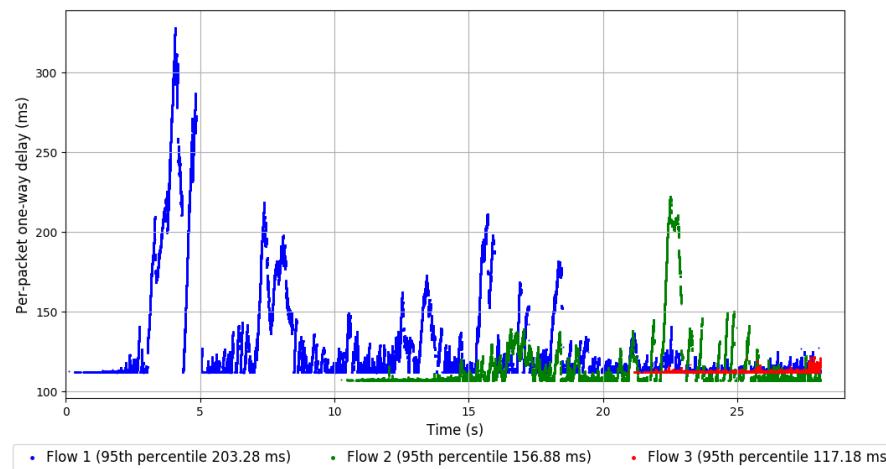
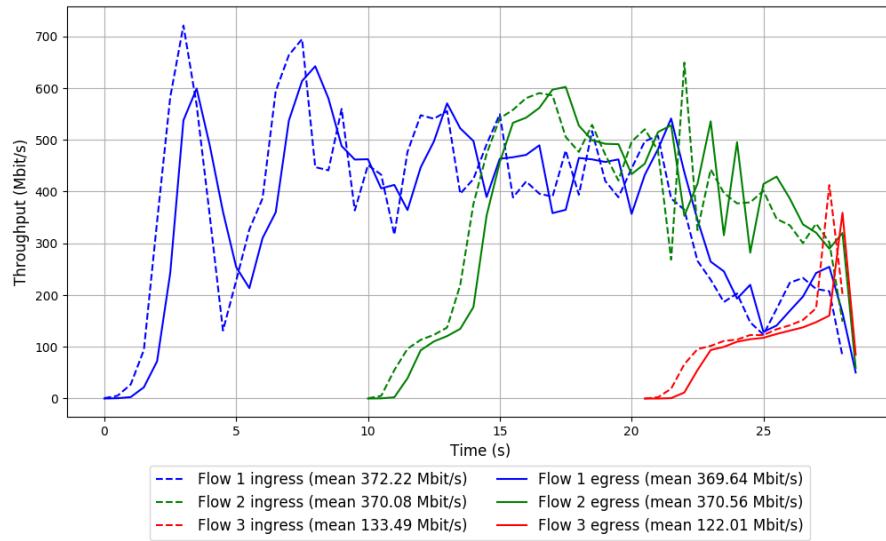


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 23:32:00
End at: 2019-07-17 23:32:30
Local clock offset: 0.037 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-18 02:10:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.11 Mbit/s
95th percentile per-packet one-way delay: 194.835 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 369.64 Mbit/s
95th percentile per-packet one-way delay: 203.275 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 370.56 Mbit/s
95th percentile per-packet one-way delay: 156.882 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 122.01 Mbit/s
95th percentile per-packet one-way delay: 117.179 ms
Loss rate: 11.35%
```

Run 4: Report of Indigo-MusesC5 — Data Link

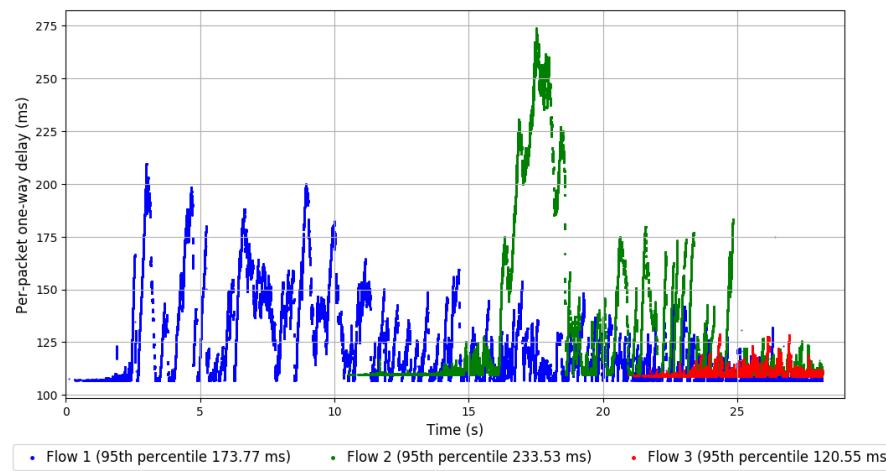
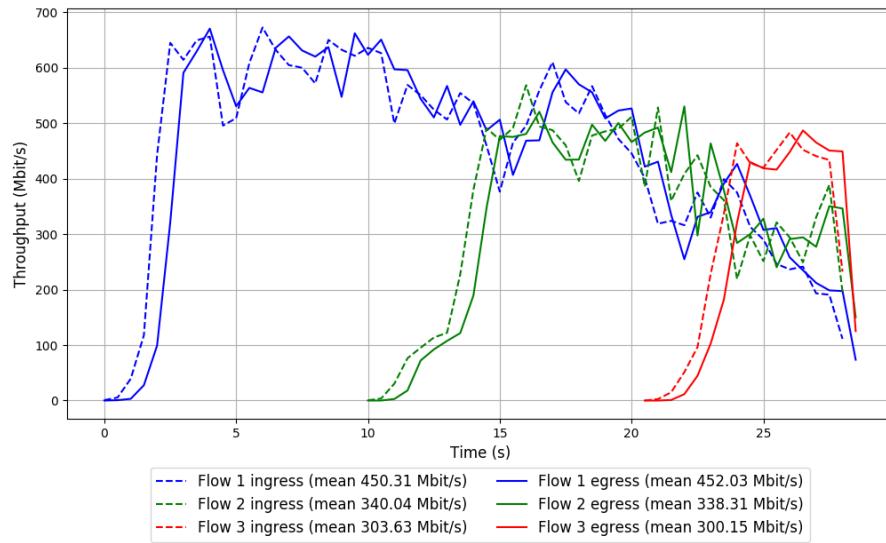


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 00:15:09
End at: 2019-07-18 00:15:39
Local clock offset: -0.093 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-07-18 02:18:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 744.87 Mbit/s
95th percentile per-packet one-way delay: 189.793 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 452.03 Mbit/s
95th percentile per-packet one-way delay: 173.767 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 338.31 Mbit/s
95th percentile per-packet one-way delay: 233.528 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 300.15 Mbit/s
95th percentile per-packet one-way delay: 120.553 ms
Loss rate: 4.03%
```

Run 5: Report of Indigo-MusesC5 — Data Link

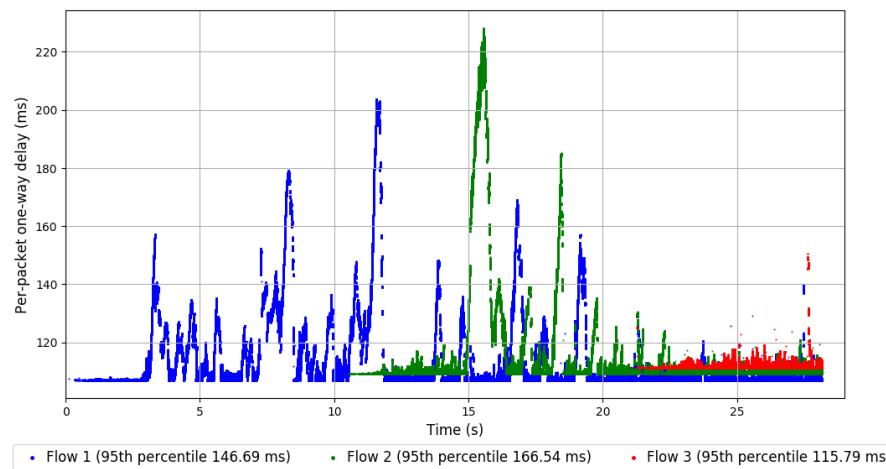
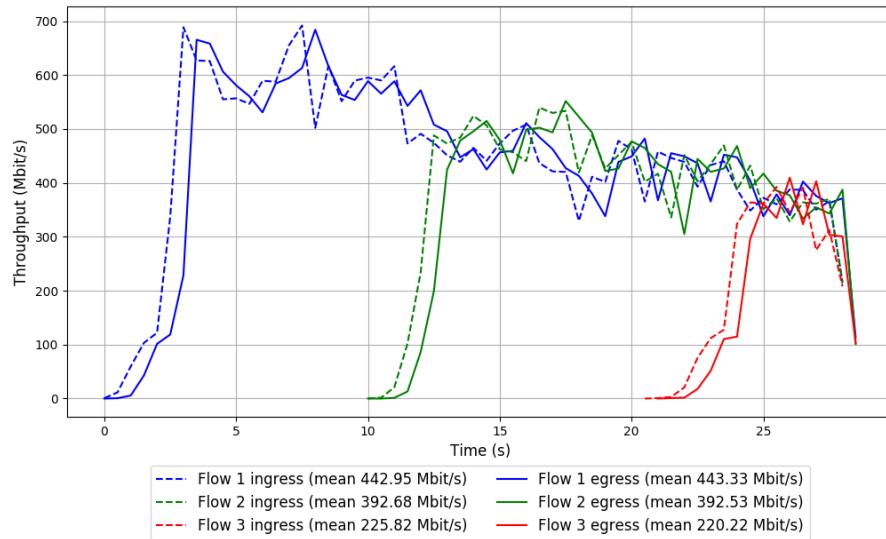


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 21:39:31
End at: 2019-07-17 21:40:01
Local clock offset: 0.065 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2019-07-18 02:20:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 748.28 Mbit/s
95th percentile per-packet one-way delay: 146.755 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 443.33 Mbit/s
95th percentile per-packet one-way delay: 146.694 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 392.53 Mbit/s
95th percentile per-packet one-way delay: 166.540 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 220.22 Mbit/s
95th percentile per-packet one-way delay: 115.789 ms
Loss rate: 5.47%
```

Run 1: Report of Indigo-MusesD — Data Link

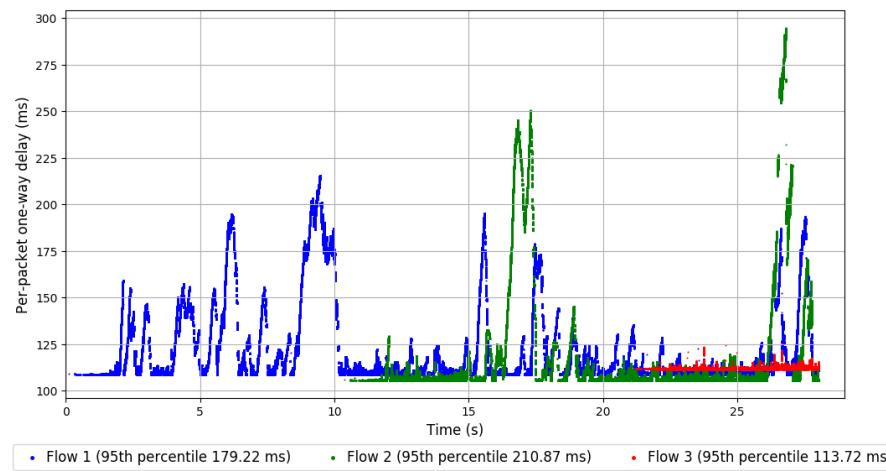
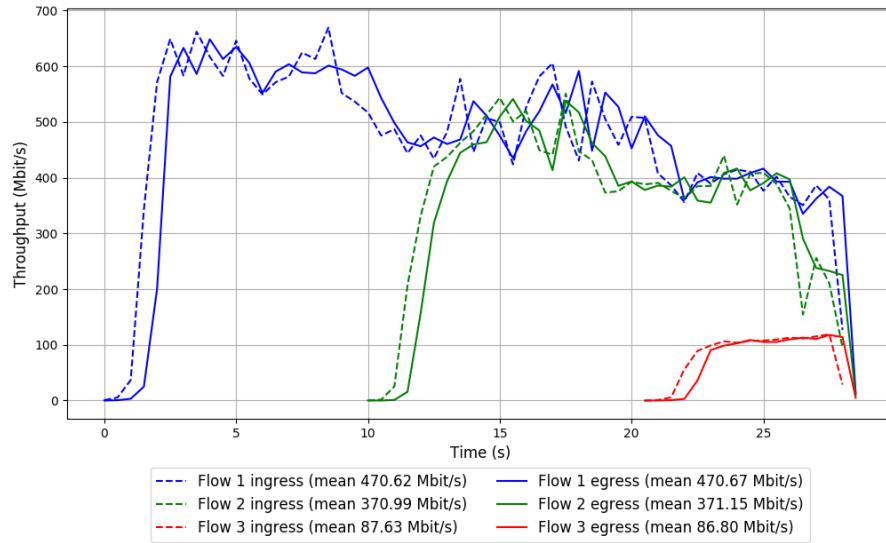


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 22:23:05
End at: 2019-07-17 22:23:35
Local clock offset: -0.149 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at 2019-07-18 02:20:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 727.11 Mbit/s
95th percentile per-packet one-way delay: 182.958 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 470.67 Mbit/s
95th percentile per-packet one-way delay: 179.224 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 371.15 Mbit/s
95th percentile per-packet one-way delay: 210.868 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 113.721 ms
Loss rate: 4.06%
```

Run 2: Report of Indigo-MusesD — Data Link

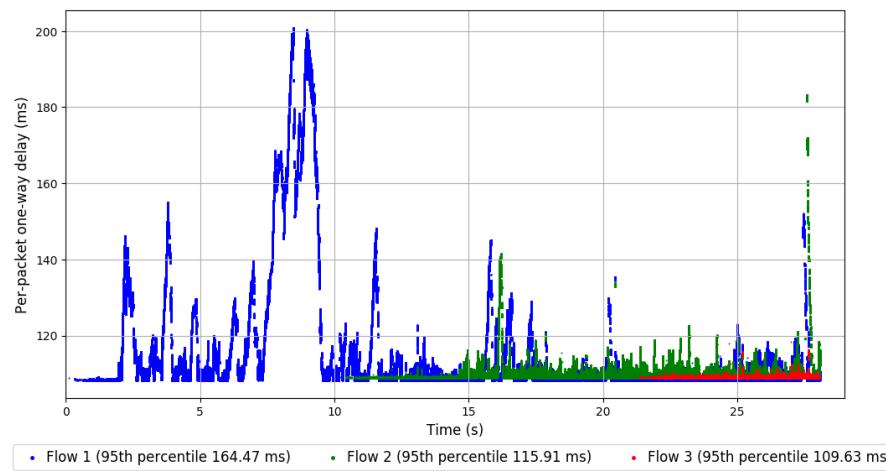
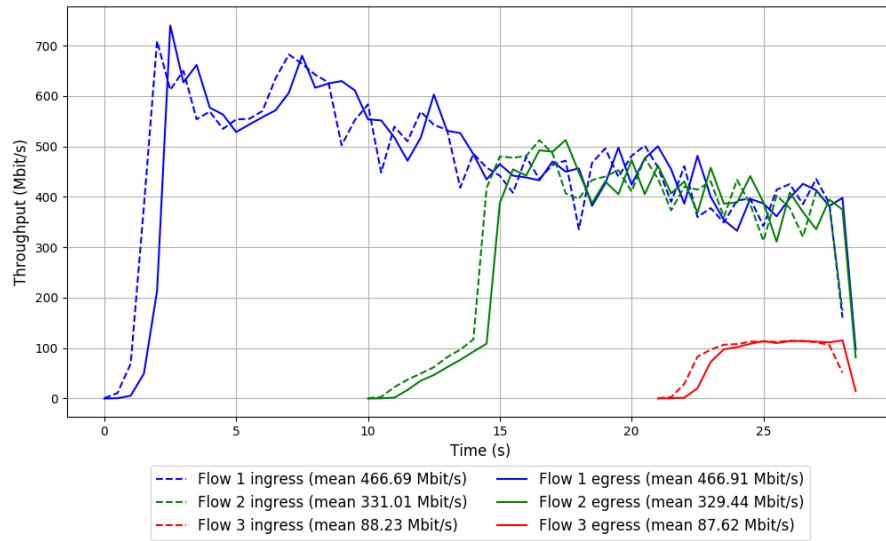


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 23:05:49
End at: 2019-07-17 23:06:19
Local clock offset: -0.591 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-07-18 02:20:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 699.01 Mbit/s
95th percentile per-packet one-way delay: 156.890 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 466.91 Mbit/s
95th percentile per-packet one-way delay: 164.469 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 329.44 Mbit/s
95th percentile per-packet one-way delay: 115.905 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 109.633 ms
Loss rate: 4.20%
```

Run 3: Report of Indigo-MusesD — Data Link

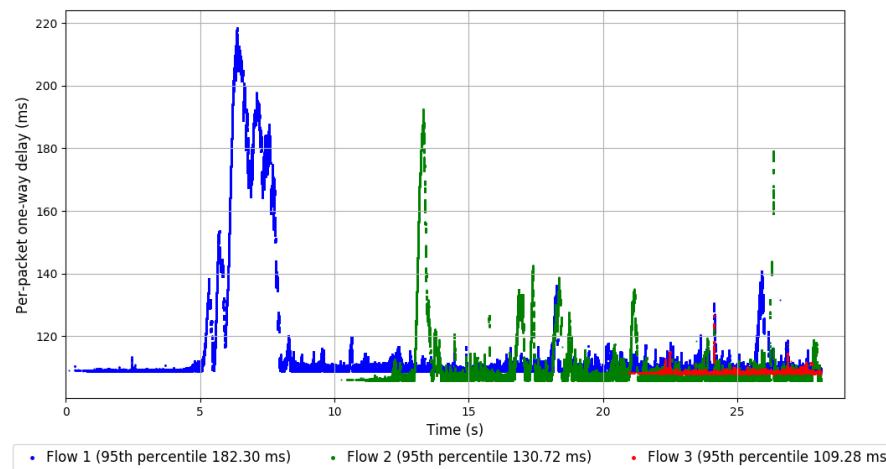
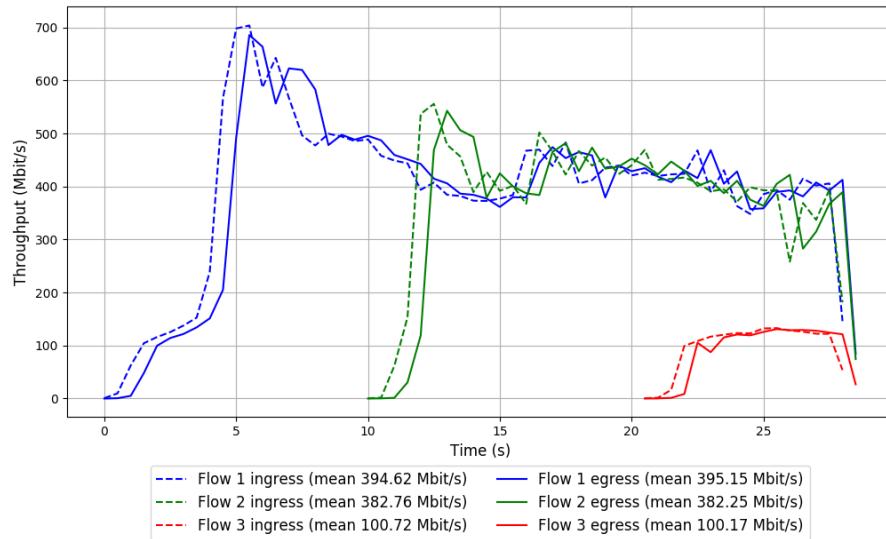


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 23:49:23
End at: 2019-07-17 23:49:53
Local clock offset: -0.483 ms
Remote clock offset: 0.307 ms

# Below is generated by plot.py at 2019-07-18 02:20:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 665.35 Mbit/s
95th percentile per-packet one-way delay: 170.954 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 395.15 Mbit/s
95th percentile per-packet one-way delay: 182.296 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 382.25 Mbit/s
95th percentile per-packet one-way delay: 130.718 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 100.17 Mbit/s
95th percentile per-packet one-way delay: 109.277 ms
Loss rate: 3.51%
```

Run 4: Report of Indigo-MusesD — Data Link

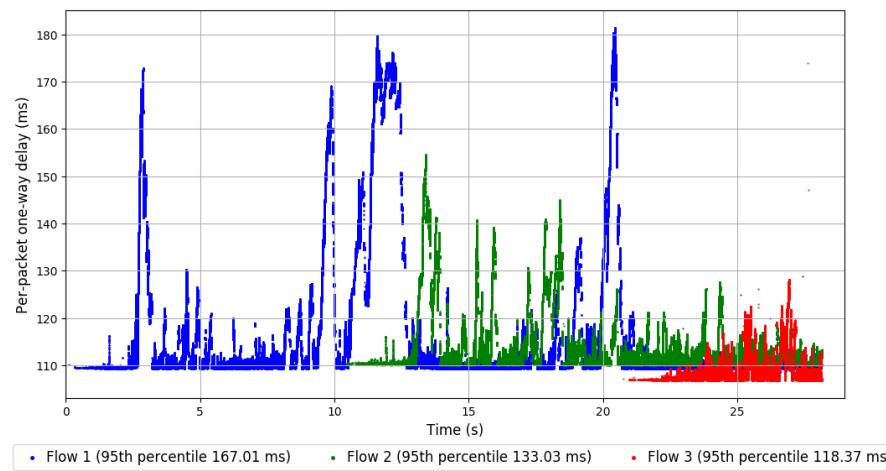
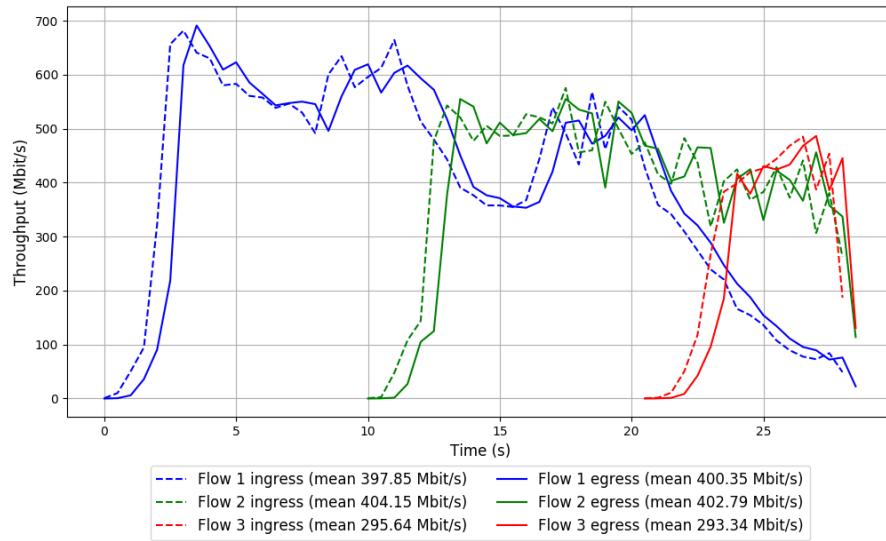


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 00:32:41
End at: 2019-07-18 00:33:11
Local clock offset: -0.214 ms
Remote clock offset: -0.431 ms

# Below is generated by plot.py at 2019-07-18 02:21:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 734.64 Mbit/s
95th percentile per-packet one-way delay: 153.450 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 400.35 Mbit/s
95th percentile per-packet one-way delay: 167.014 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 402.79 Mbit/s
95th percentile per-packet one-way delay: 133.027 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 293.34 Mbit/s
95th percentile per-packet one-way delay: 118.371 ms
Loss rate: 3.70%
```

Run 5: Report of Indigo-MusesD — Data Link

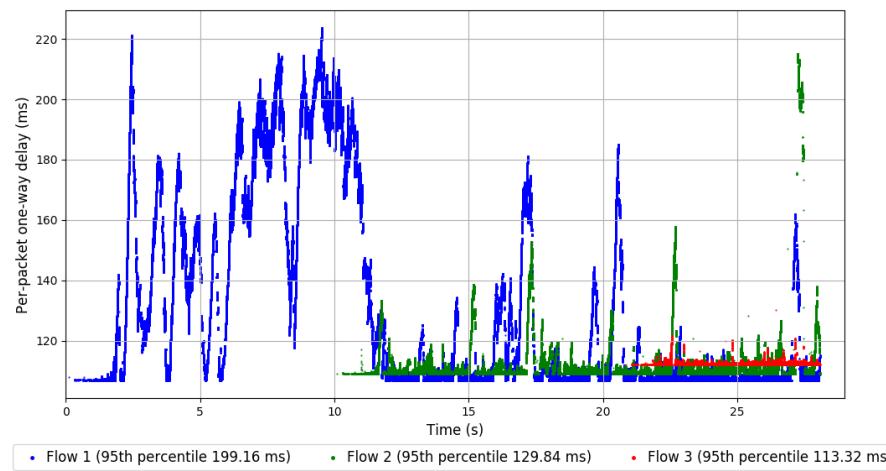
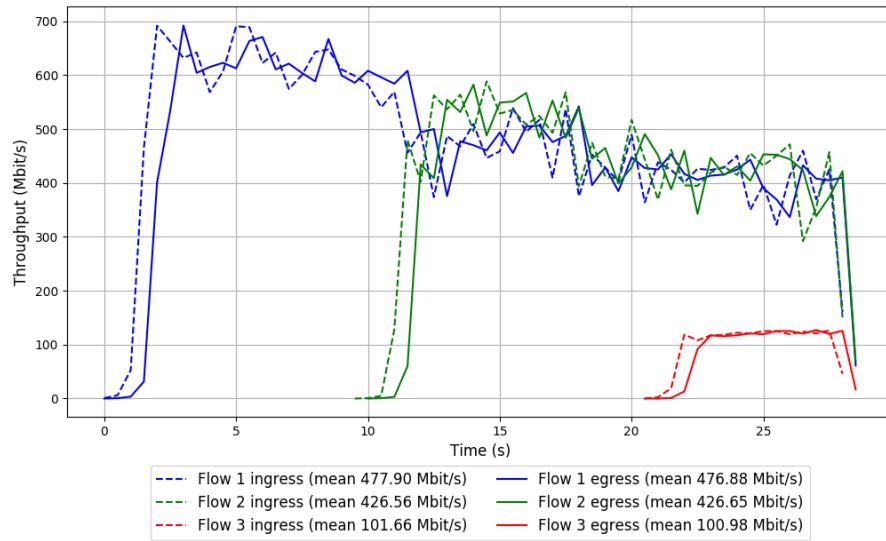


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 21:35:33
End at: 2019-07-17 21:36:03
Local clock offset: -0.062 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-07-18 02:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 777.14 Mbit/s
95th percentile per-packet one-way delay: 195.290 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 476.88 Mbit/s
95th percentile per-packet one-way delay: 199.162 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 426.65 Mbit/s
95th percentile per-packet one-way delay: 129.841 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 100.98 Mbit/s
95th percentile per-packet one-way delay: 113.324 ms
Loss rate: 3.70%
```

Run 1: Report of Indigo-MusesT — Data Link

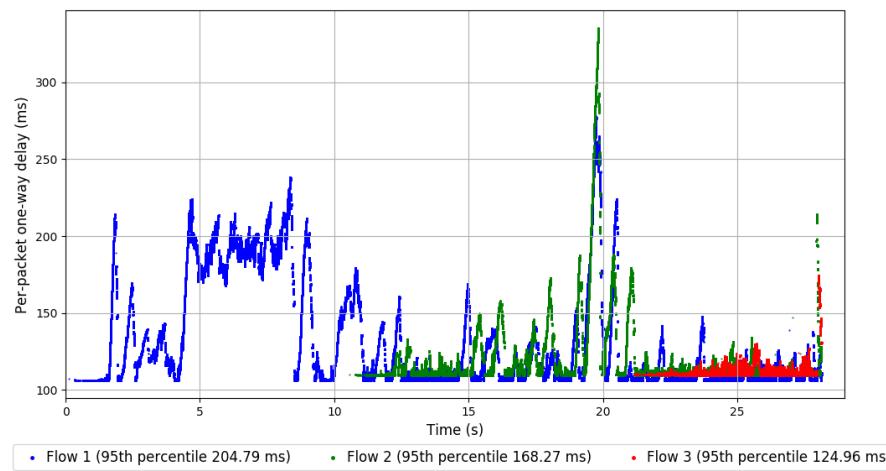
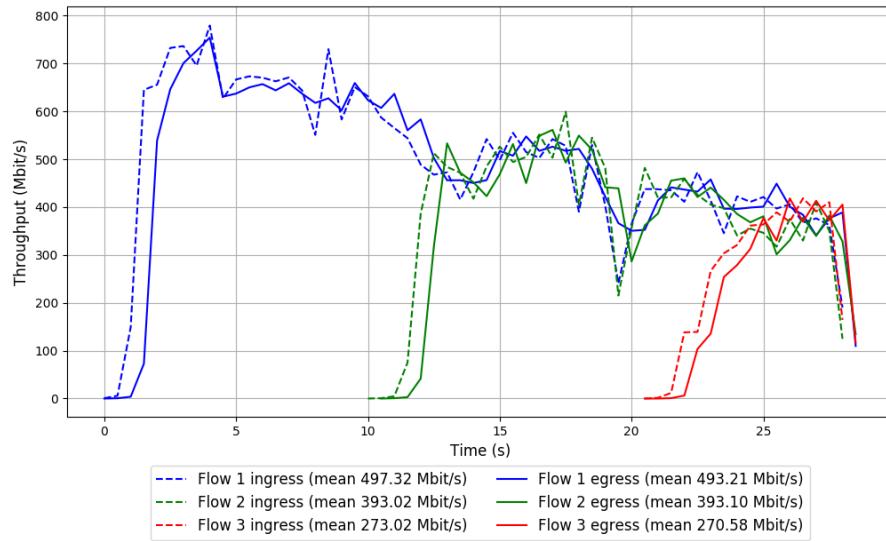


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 22:19:11
End at: 2019-07-17 22:19:41
Local clock offset: -0.011 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2019-07-18 02:25:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 808.90 Mbit/s
95th percentile per-packet one-way delay: 199.002 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 493.21 Mbit/s
95th percentile per-packet one-way delay: 204.794 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 393.10 Mbit/s
95th percentile per-packet one-way delay: 168.274 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 270.58 Mbit/s
95th percentile per-packet one-way delay: 124.957 ms
Loss rate: 3.84%
```

Run 2: Report of Indigo-MusesT — Data Link

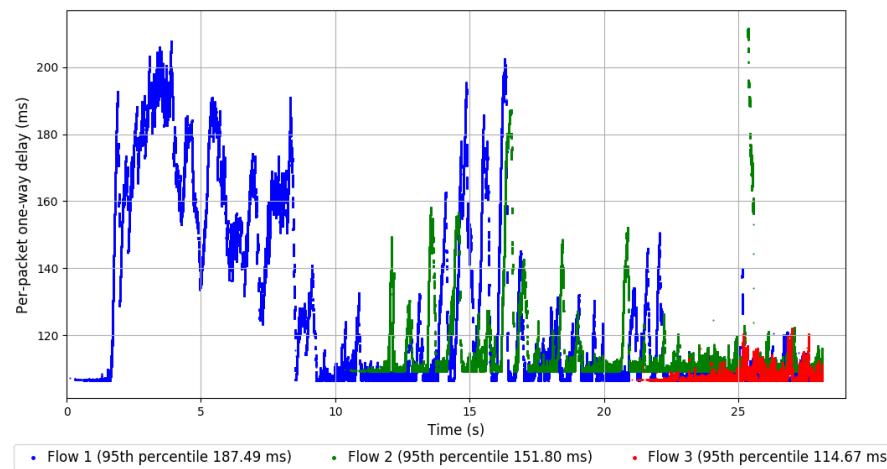
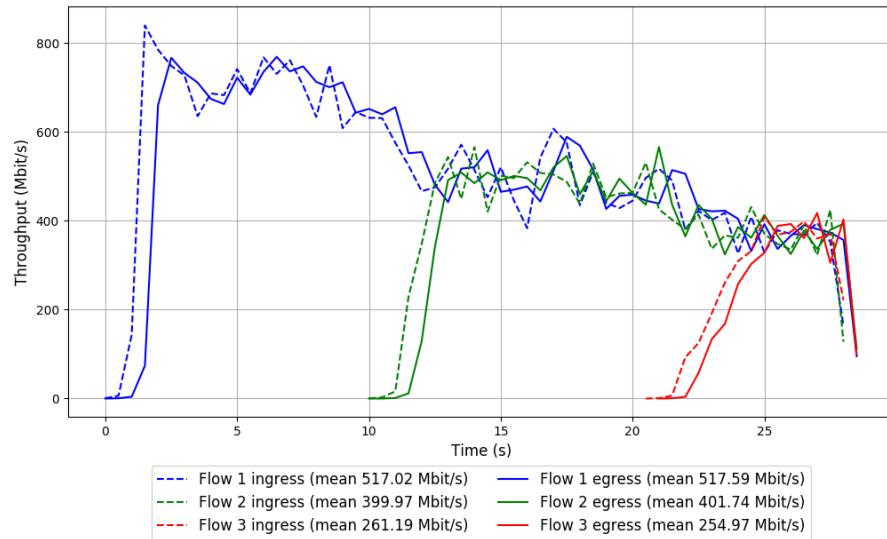


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 23:01:53
End at: 2019-07-17 23:02:23
Local clock offset: -0.135 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2019-07-18 02:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 837.19 Mbit/s
95th percentile per-packet one-way delay: 183.204 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 517.59 Mbit/s
95th percentile per-packet one-way delay: 187.492 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 401.74 Mbit/s
95th percentile per-packet one-way delay: 151.802 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 254.97 Mbit/s
95th percentile per-packet one-way delay: 114.671 ms
Loss rate: 5.27%
```

Run 3: Report of Indigo-MusesT — Data Link

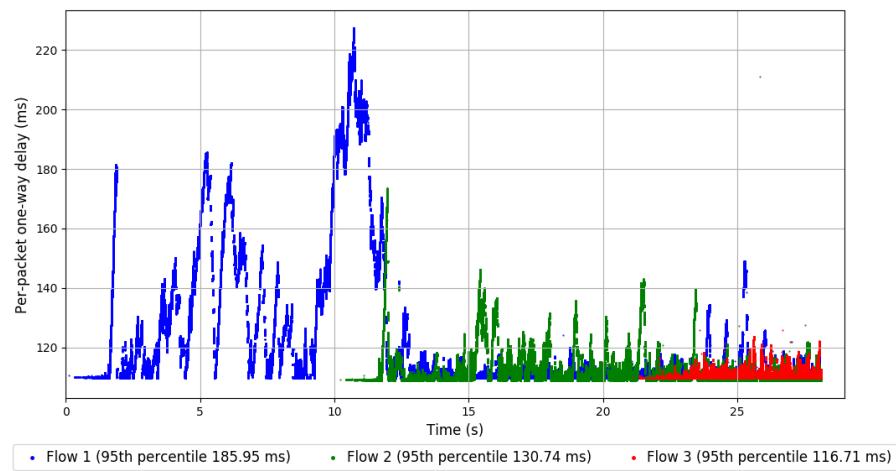
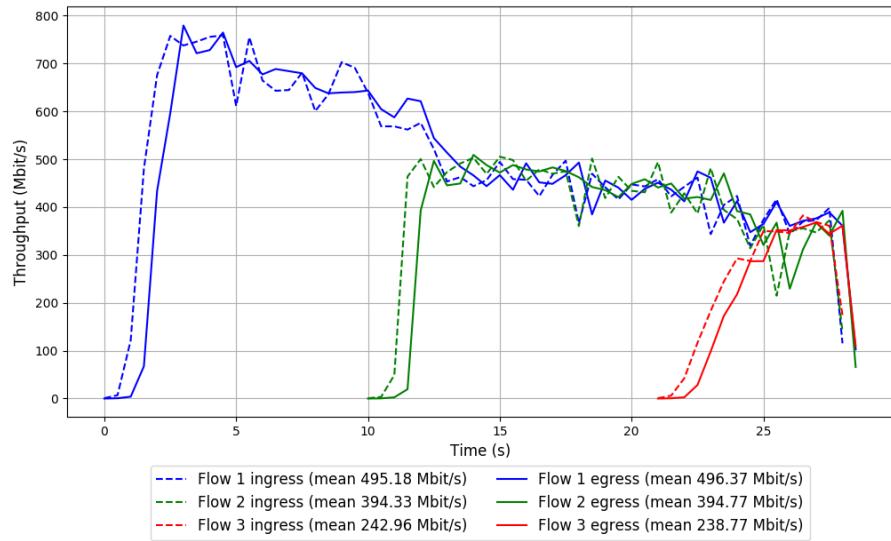


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 23:45:27
End at: 2019-07-17 23:45:57
Local clock offset: 0.023 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2019-07-18 02:33:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 808.10 Mbit/s
95th percentile per-packet one-way delay: 172.103 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 496.37 Mbit/s
95th percentile per-packet one-way delay: 185.953 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 394.77 Mbit/s
95th percentile per-packet one-way delay: 130.737 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 238.77 Mbit/s
95th percentile per-packet one-way delay: 116.710 ms
Loss rate: 4.72%
```

Run 4: Report of Indigo-MusesT — Data Link

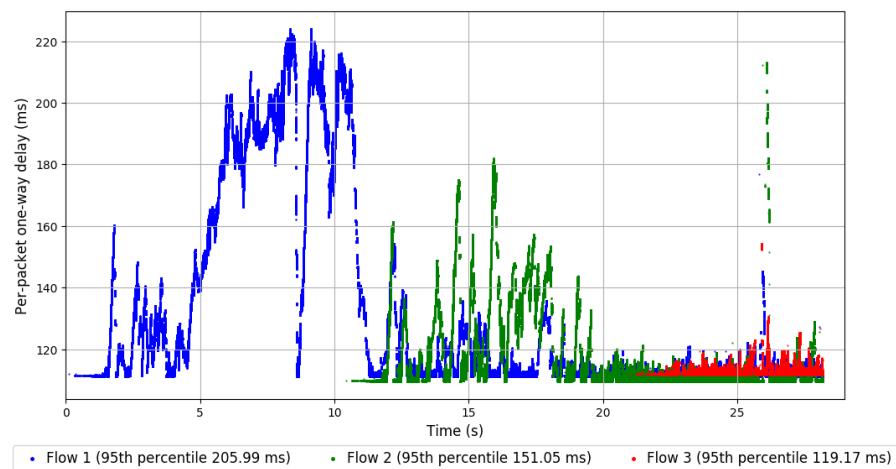
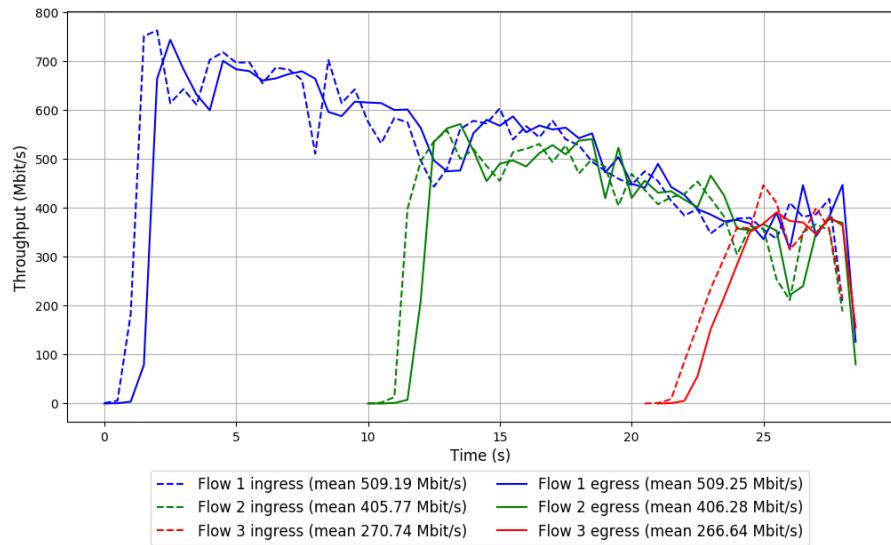


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 00:28:43
End at: 2019-07-18 00:29:13
Local clock offset: -0.082 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.80 Mbit/s
95th percentile per-packet one-way delay: 199.096 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 509.25 Mbit/s
95th percentile per-packet one-way delay: 205.986 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 406.28 Mbit/s
95th percentile per-packet one-way delay: 151.053 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 266.64 Mbit/s
95th percentile per-packet one-way delay: 119.165 ms
Loss rate: 4.42%
```

Run 5: Report of Indigo-MusesT — Data Link

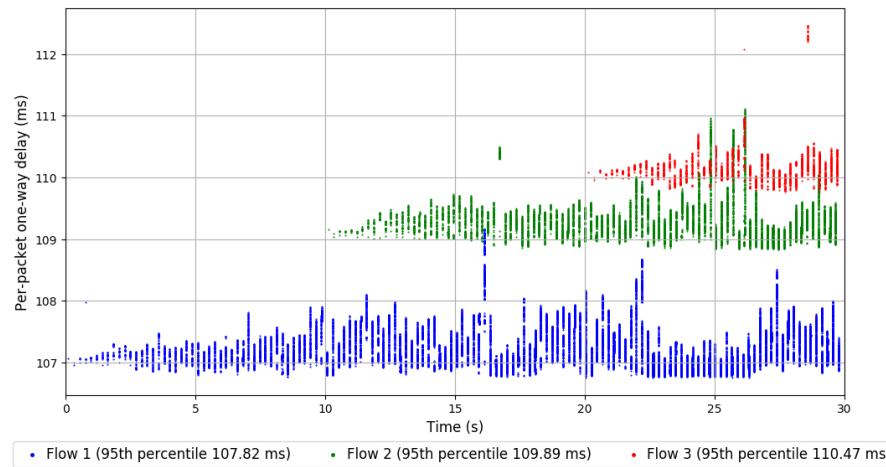
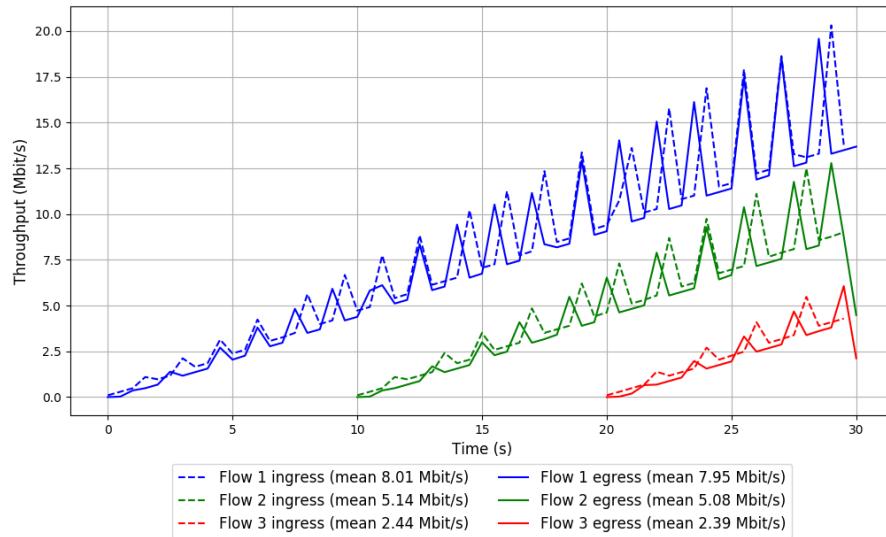


```
Run 1: Statistics of LEDBAT

Start at: 2019-07-17 21:30:56
End at: 2019-07-17 21:31:26
Local clock offset: 0.016 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 110.060 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 107.821 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 109.887 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 110.469 ms
Loss rate: 4.52%
```

Run 1: Report of LEDBAT — Data Link

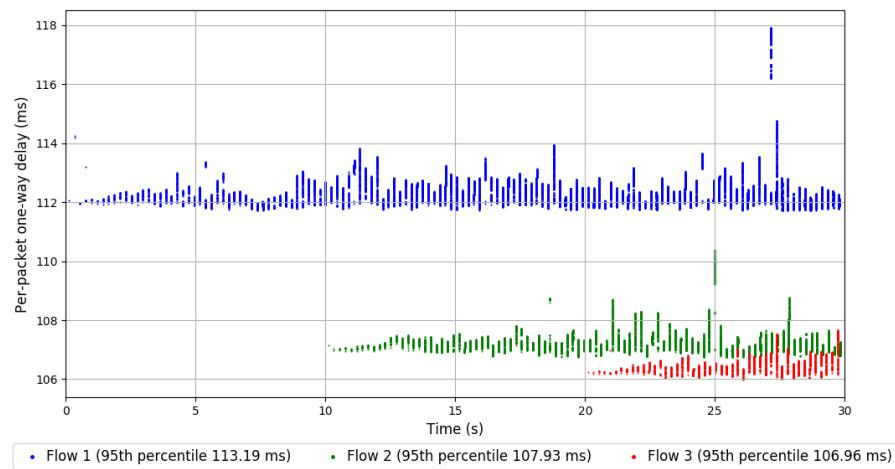
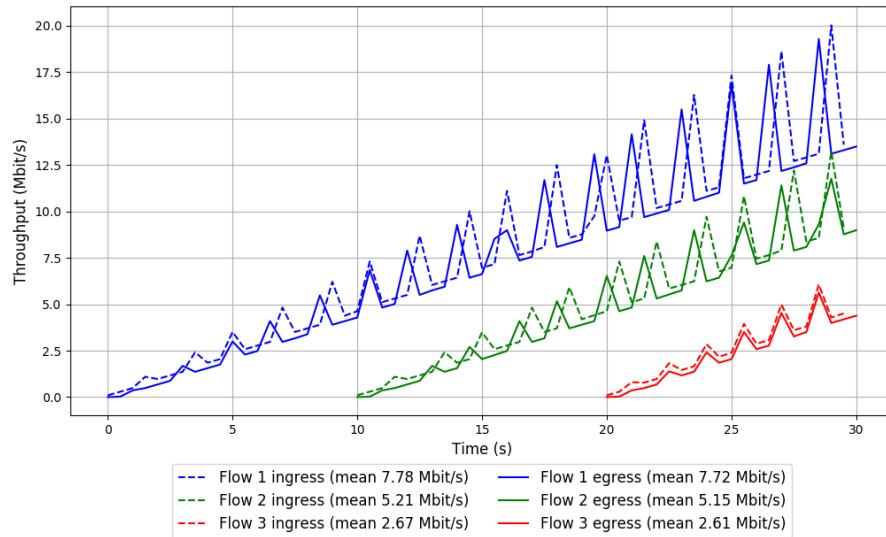


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-17 22:14:35
End at: 2019-07-17 22:15:05
Local clock offset: -0.108 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 113.186 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 107.929 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 106.960 ms
Loss rate: 4.37%
```

Run 2: Report of LEDBAT — Data Link

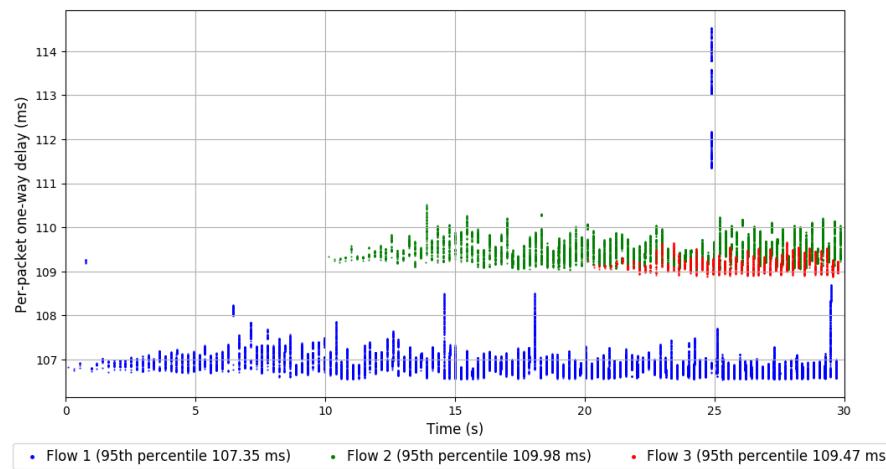
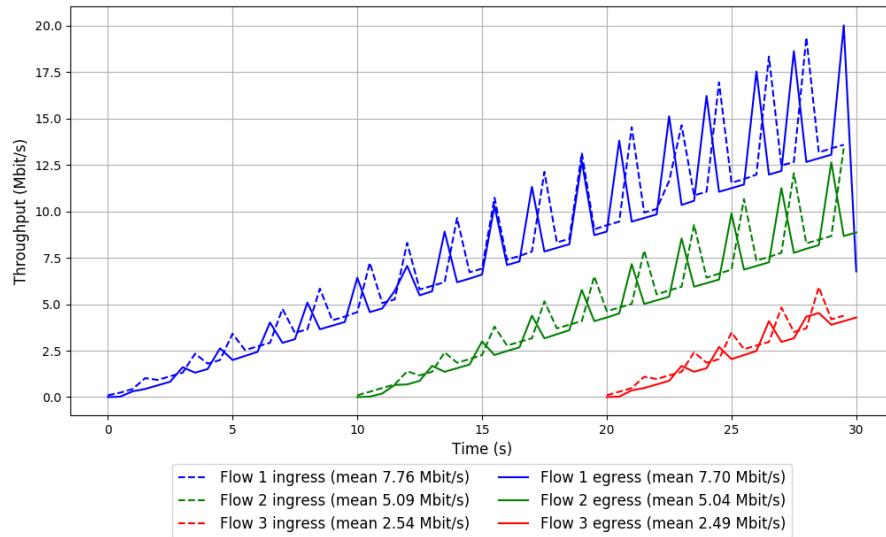


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-17 22:57:14
End at: 2019-07-17 22:57:44
Local clock offset: -0.142 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 109.787 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 107.346 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 109.978 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 109.470 ms
Loss rate: 4.42%
```

Run 3: Report of LEDBAT — Data Link

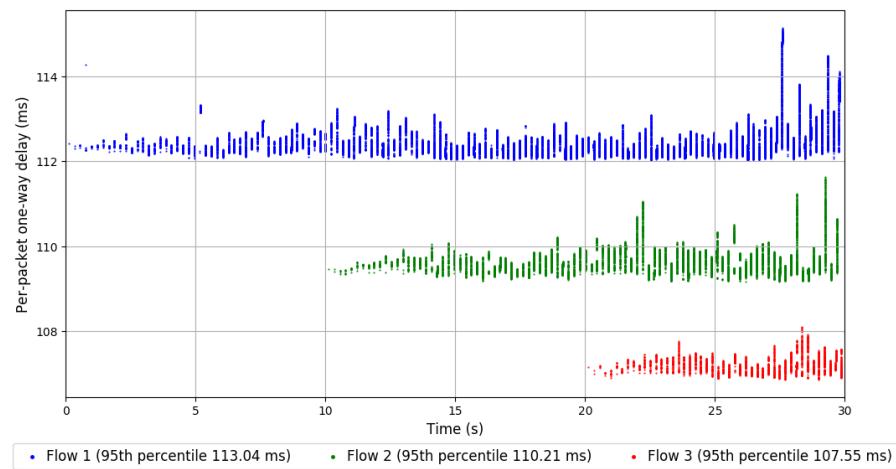
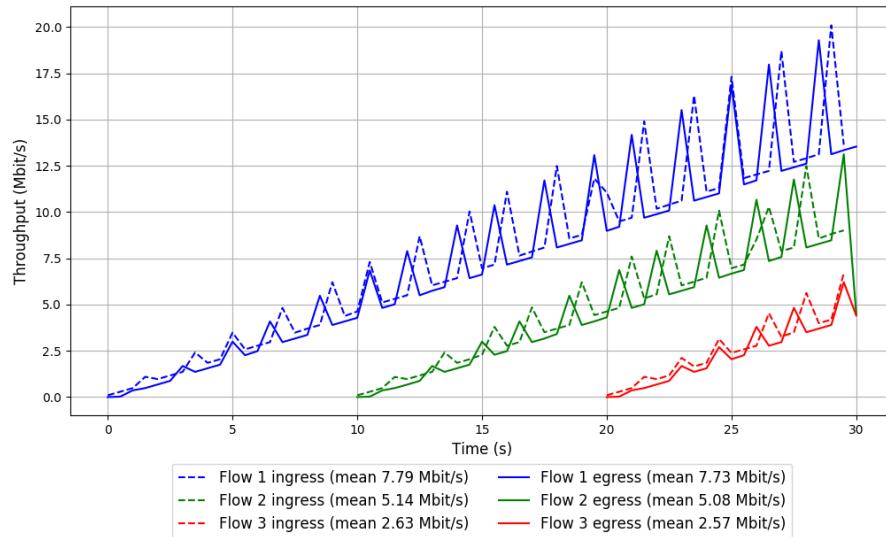


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-17 23:40:50
End at: 2019-07-17 23:41:20
Local clock offset: 0.024 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 112.867 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 113.044 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 110.210 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 107.548 ms
Loss rate: 4.37%
```

Run 4: Report of LEDBAT — Data Link

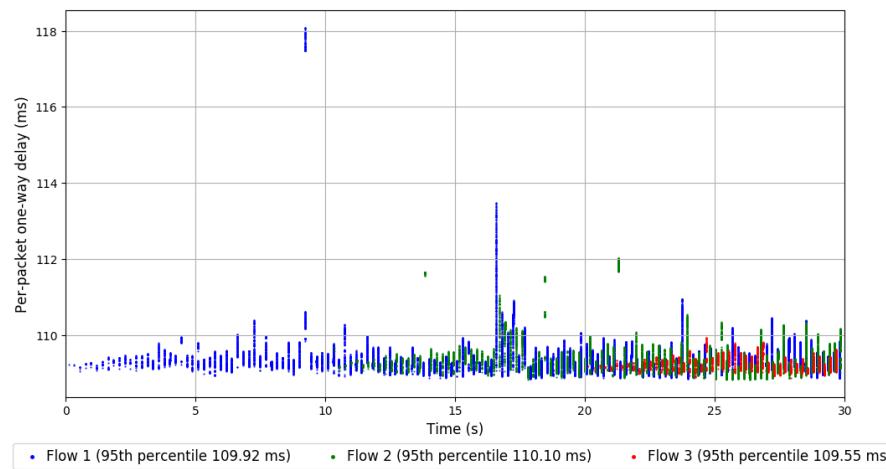
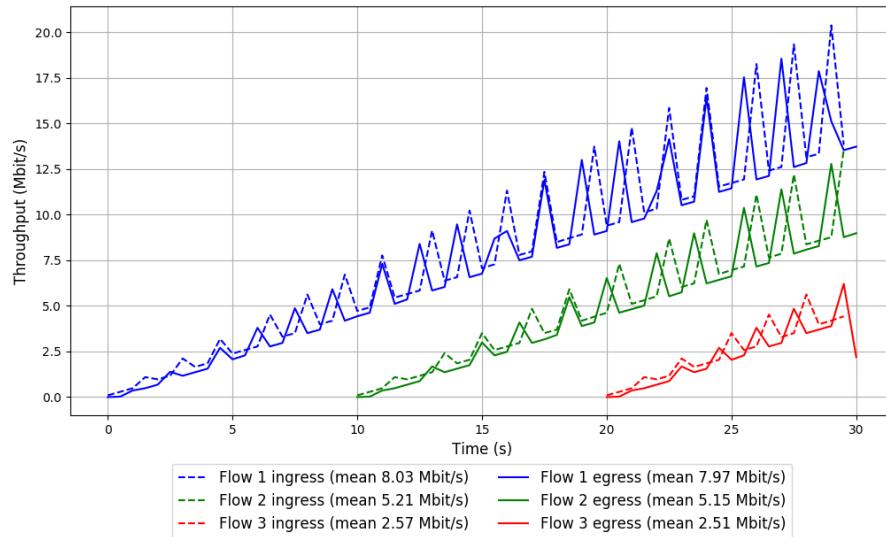


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-18 00:24:08
End at: 2019-07-18 00:24:38
Local clock offset: -0.157 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 109.996 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 109.924 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 110.102 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 109.549 ms
Loss rate: 4.46%
```

Run 5: Report of LEDBAT — Data Link

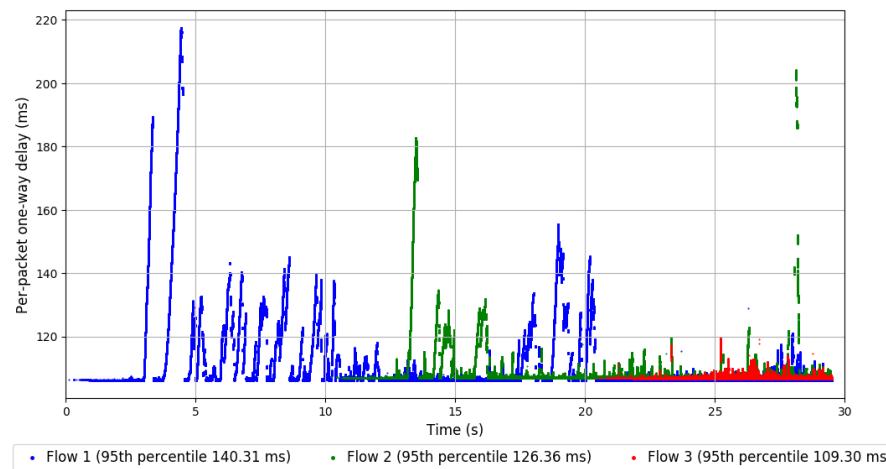
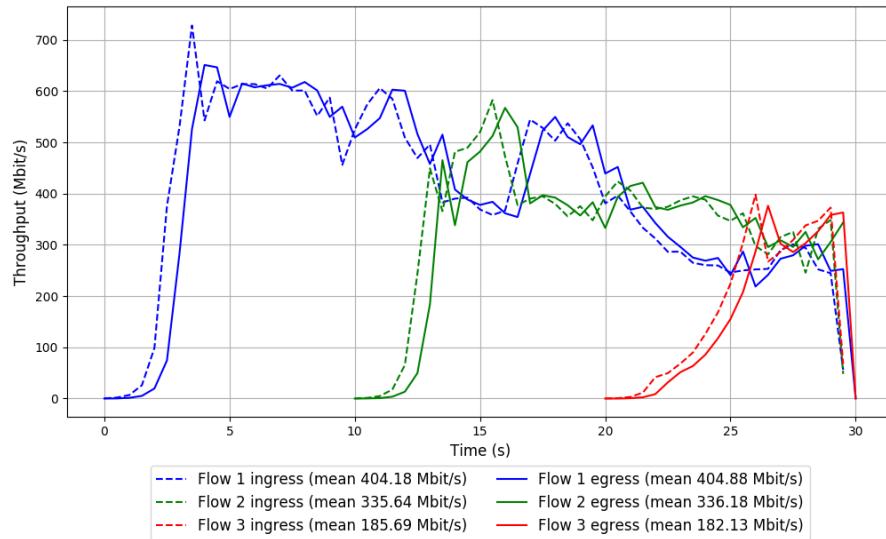


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 21:03:42
End at: 2019-07-17 21:04:12
Local clock offset: 0.007 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 681.85 Mbit/s
95th percentile per-packet one-way delay: 135.747 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 404.88 Mbit/s
95th percentile per-packet one-way delay: 140.306 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 336.18 Mbit/s
95th percentile per-packet one-way delay: 126.361 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 109.296 ms
Loss rate: 4.19%
```

Run 1: Report of Muses_DecisionTree — Data Link

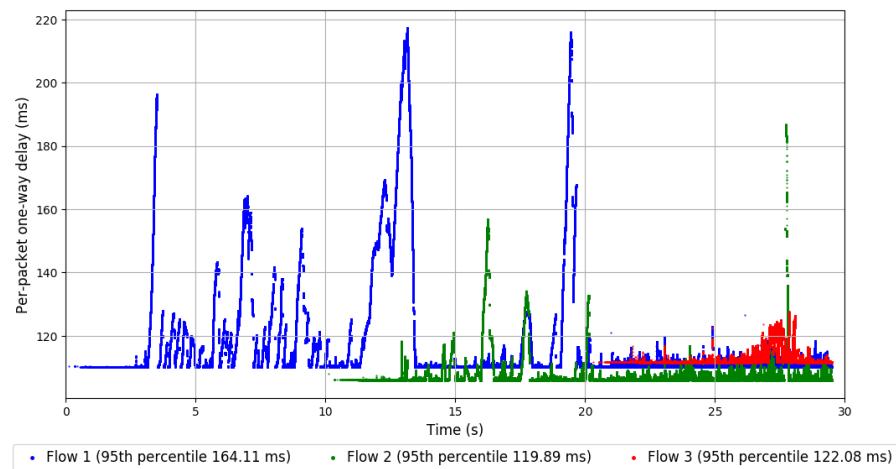
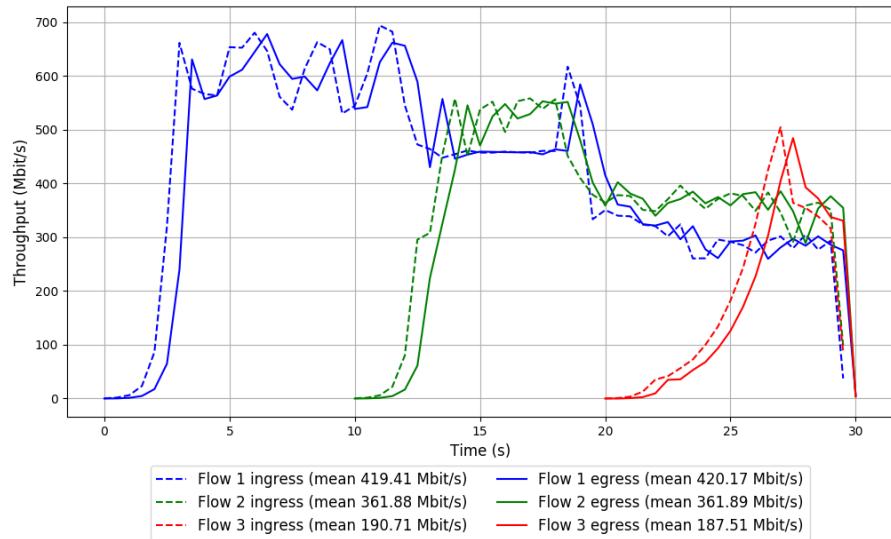


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 21:47:17
End at: 2019-07-17 21:47:47
Local clock offset: -0.114 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 717.54 Mbit/s
95th percentile per-packet one-way delay: 153.511 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 420.17 Mbit/s
95th percentile per-packet one-way delay: 164.111 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 361.89 Mbit/s
95th percentile per-packet one-way delay: 119.886 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 187.51 Mbit/s
95th percentile per-packet one-way delay: 122.084 ms
Loss rate: 4.07%
```

Run 2: Report of Muses_DecisionTree — Data Link

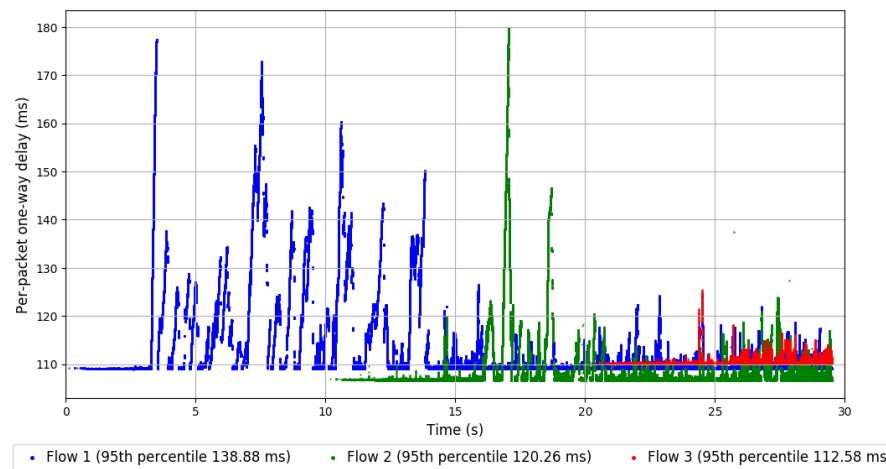
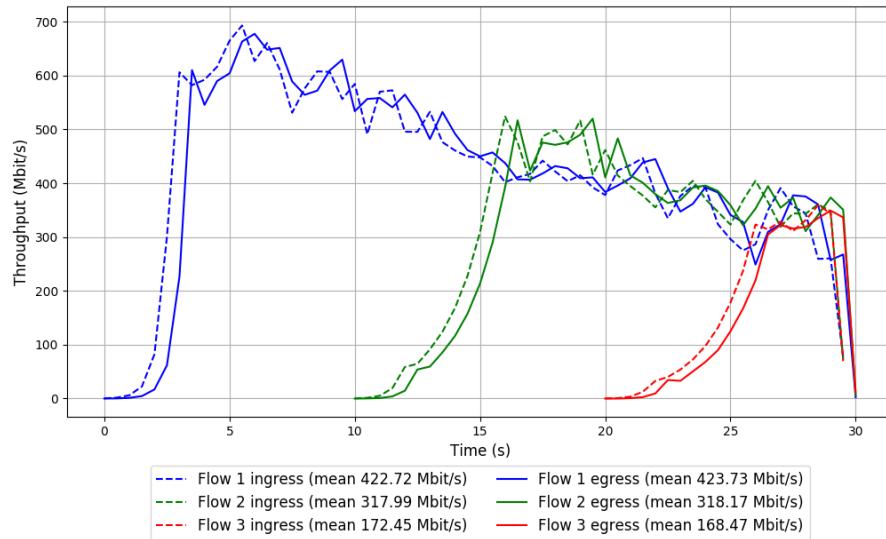


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 22:30:43
End at: 2019-07-17 22:31:13
Local clock offset: -0.032 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2019-07-18 02:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 685.41 Mbit/s
95th percentile per-packet one-way delay: 135.853 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 423.73 Mbit/s
95th percentile per-packet one-way delay: 138.879 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 318.17 Mbit/s
95th percentile per-packet one-way delay: 120.264 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 168.47 Mbit/s
95th percentile per-packet one-way delay: 112.583 ms
Loss rate: 4.60%
```

Run 3: Report of Muses_DecisionTree — Data Link

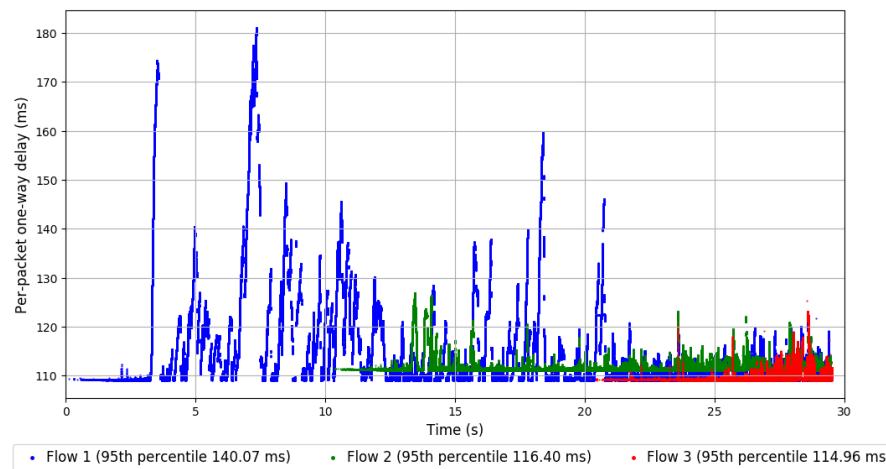
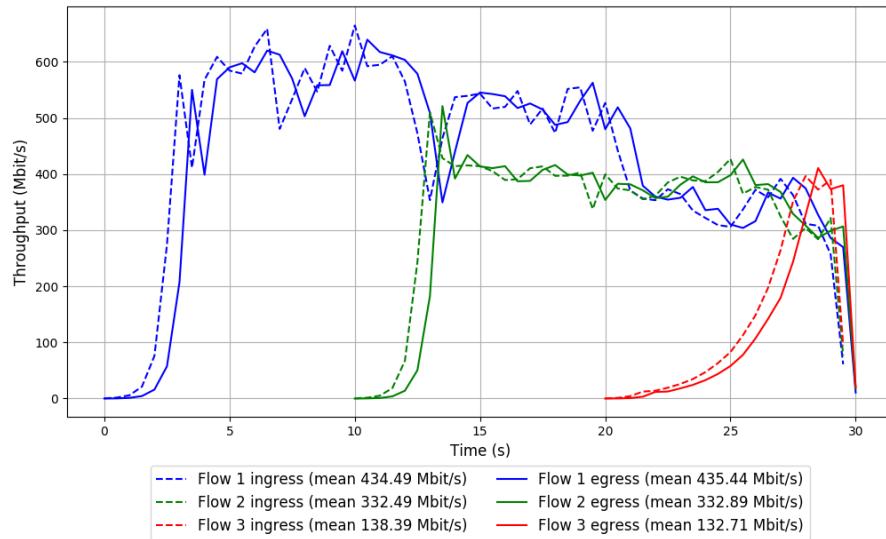


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 23:13:32
End at: 2019-07-17 23:14:02
Local clock offset: -0.012 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-07-18 02:35:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.40 Mbit/s
95th percentile per-packet one-way delay: 133.388 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 435.44 Mbit/s
95th percentile per-packet one-way delay: 140.075 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 332.89 Mbit/s
95th percentile per-packet one-way delay: 116.399 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 132.71 Mbit/s
95th percentile per-packet one-way delay: 114.958 ms
Loss rate: 6.29%
```

Run 4: Report of Muses_DecisionTree — Data Link

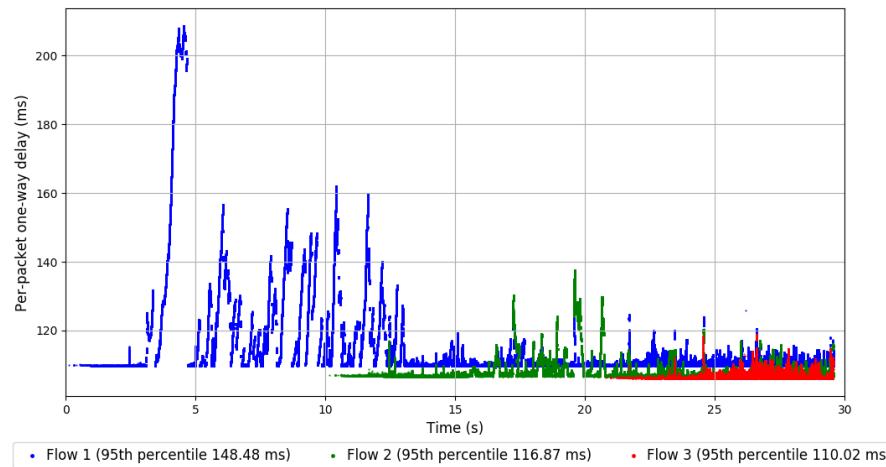
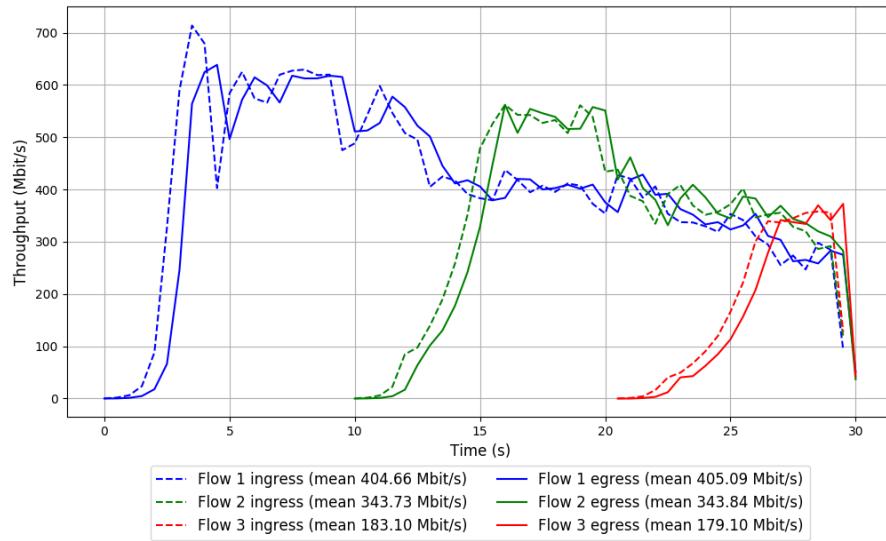


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 23:56:48
End at: 2019-07-17 23:57:18
Local clock offset: -0.069 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-07-18 02:38:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 684.96 Mbit/s
95th percentile per-packet one-way delay: 140.103 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 405.09 Mbit/s
95th percentile per-packet one-way delay: 148.481 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 343.84 Mbit/s
95th percentile per-packet one-way delay: 116.872 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 179.10 Mbit/s
95th percentile per-packet one-way delay: 110.021 ms
Loss rate: 4.61%
```

Run 5: Report of Muses_DecisionTree — Data Link

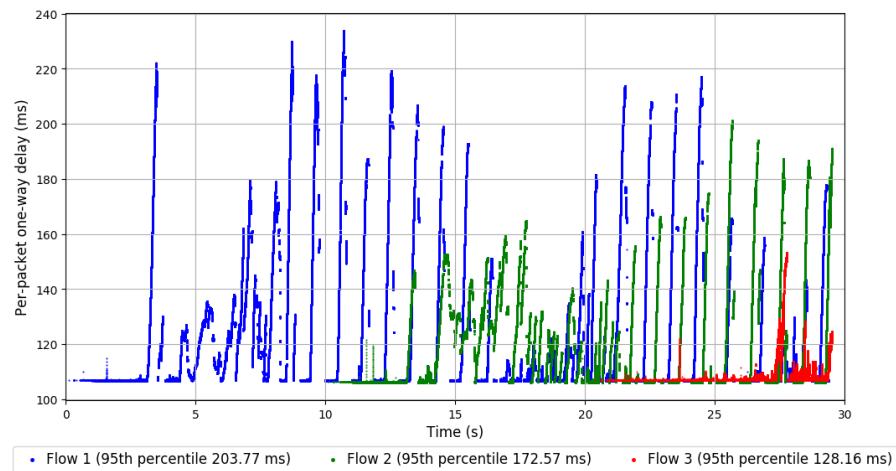
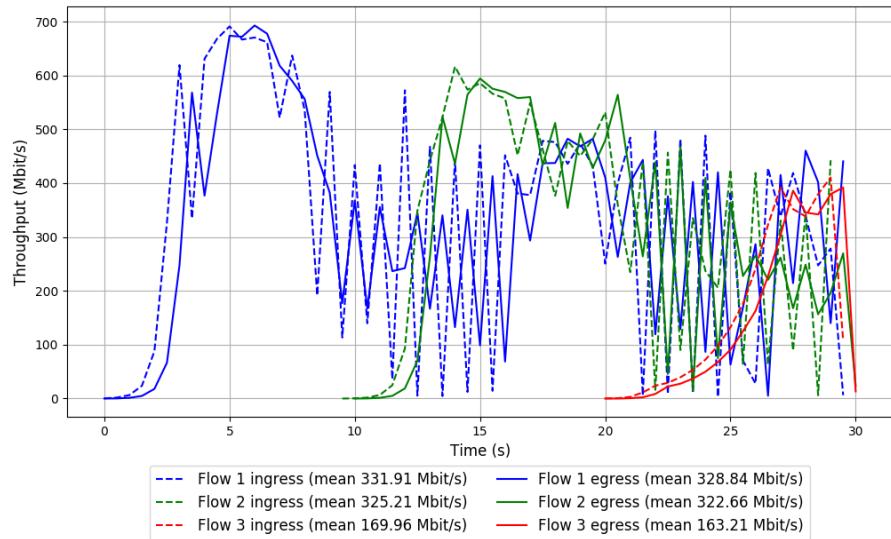


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 21:41:29
End at: 2019-07-17 21:41:59
Local clock offset: 0.035 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-18 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.00 Mbit/s
95th percentile per-packet one-way delay: 190.341 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 328.84 Mbit/s
95th percentile per-packet one-way delay: 203.774 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 322.66 Mbit/s
95th percentile per-packet one-way delay: 172.572 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 163.21 Mbit/s
95th percentile per-packet one-way delay: 128.157 ms
Loss rate: 6.25%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

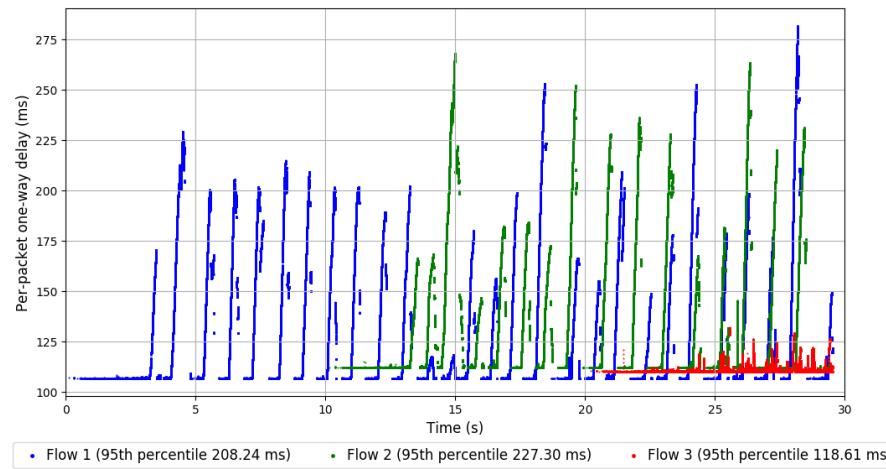
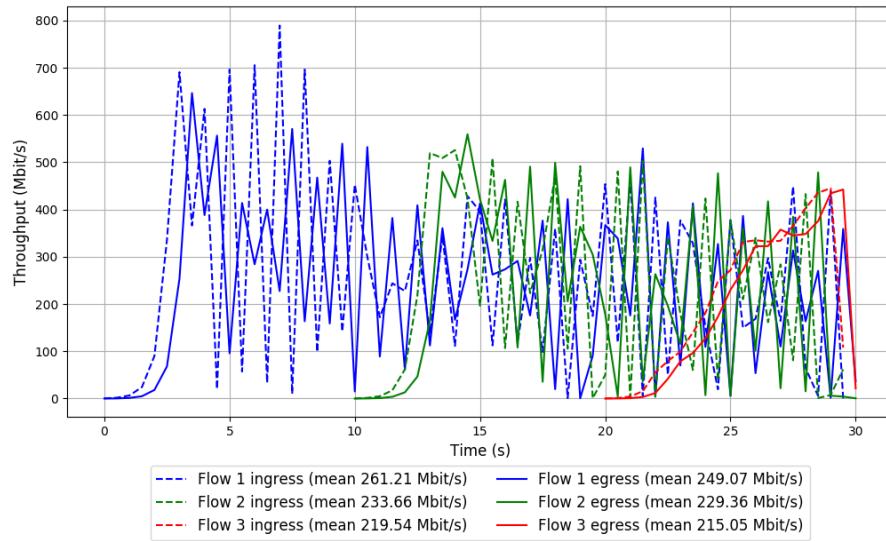


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 22:25:01
End at: 2019-07-17 22:25:31
Local clock offset: -0.007 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2019-07-18 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.09 Mbit/s
95th percentile per-packet one-way delay: 215.997 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 249.07 Mbit/s
95th percentile per-packet one-way delay: 208.241 ms
Loss rate: 4.90%
-- Flow 2:
Average throughput: 229.36 Mbit/s
95th percentile per-packet one-way delay: 227.303 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 215.05 Mbit/s
95th percentile per-packet one-way delay: 118.614 ms
Loss rate: 4.32%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

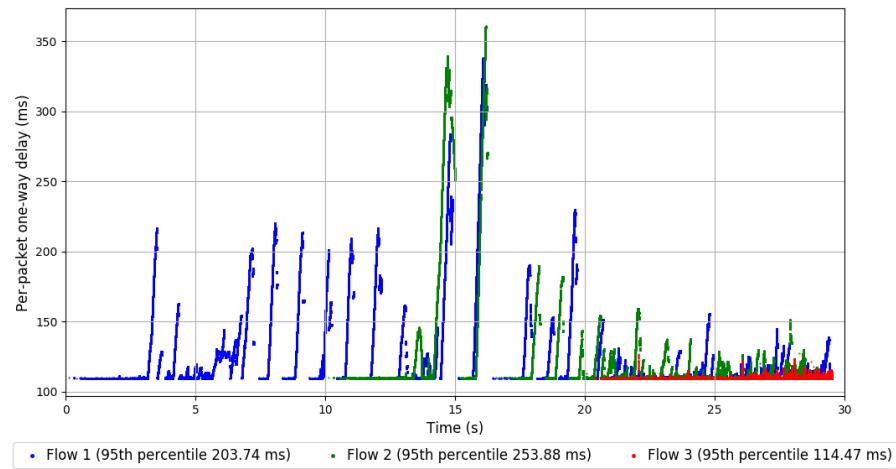
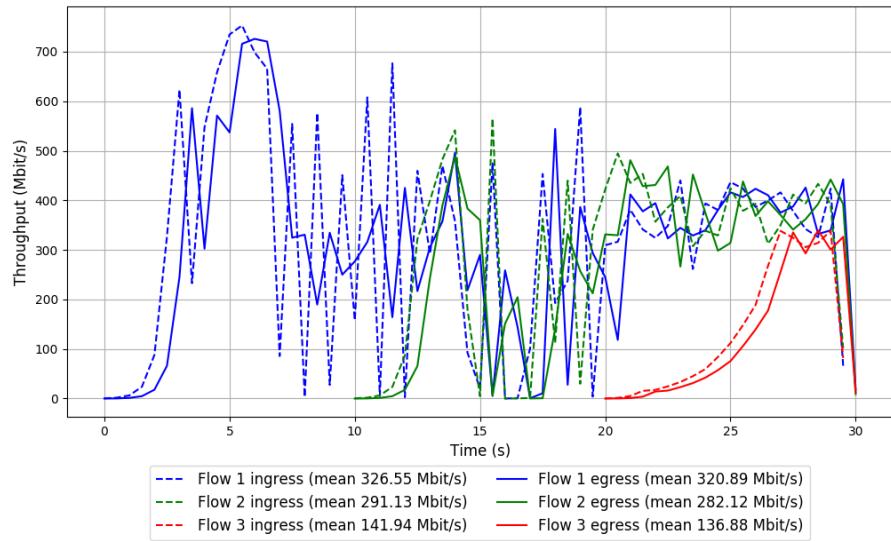


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 23:07:43
End at: 2019-07-17 23:08:13
Local clock offset: -0.052 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-18 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 550.38 Mbit/s
95th percentile per-packet one-way delay: 202.914 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 320.89 Mbit/s
95th percentile per-packet one-way delay: 203.742 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 282.12 Mbit/s
95th percentile per-packet one-way delay: 253.878 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 136.88 Mbit/s
95th percentile per-packet one-way delay: 114.473 ms
Loss rate: 5.76%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

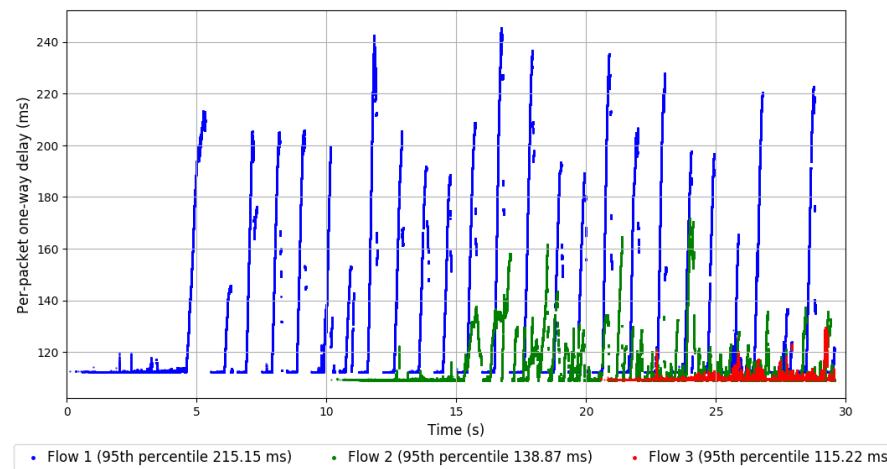
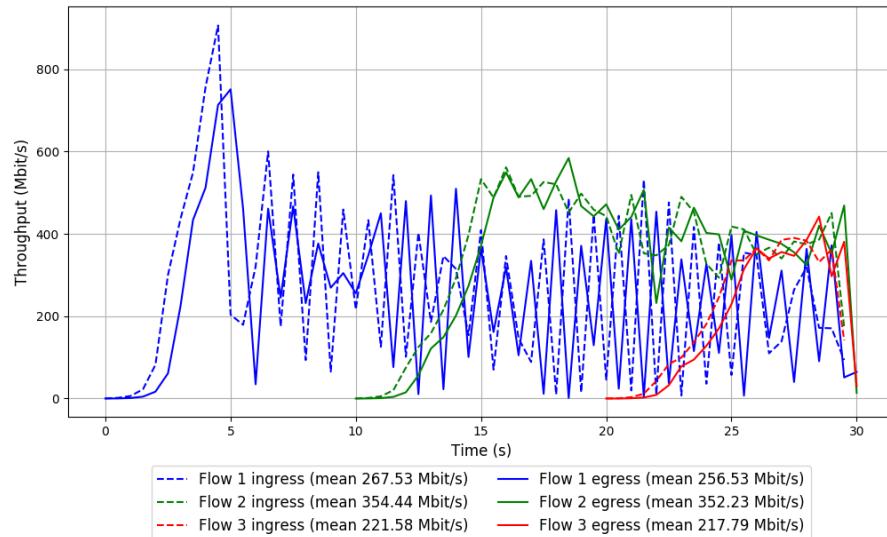


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 23:51:17
End at: 2019-07-17 23:51:48
Local clock offset: 0.178 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2019-07-18 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.30 Mbit/s
95th percentile per-packet one-way delay: 201.905 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 256.53 Mbit/s
95th percentile per-packet one-way delay: 215.145 ms
Loss rate: 4.83%
-- Flow 2:
Average throughput: 352.23 Mbit/s
95th percentile per-packet one-way delay: 138.865 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 217.79 Mbit/s
95th percentile per-packet one-way delay: 115.221 ms
Loss rate: 4.06%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

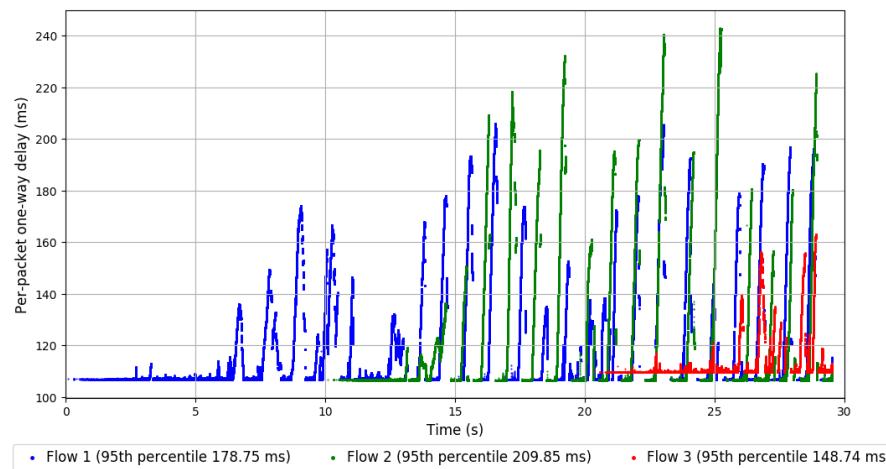
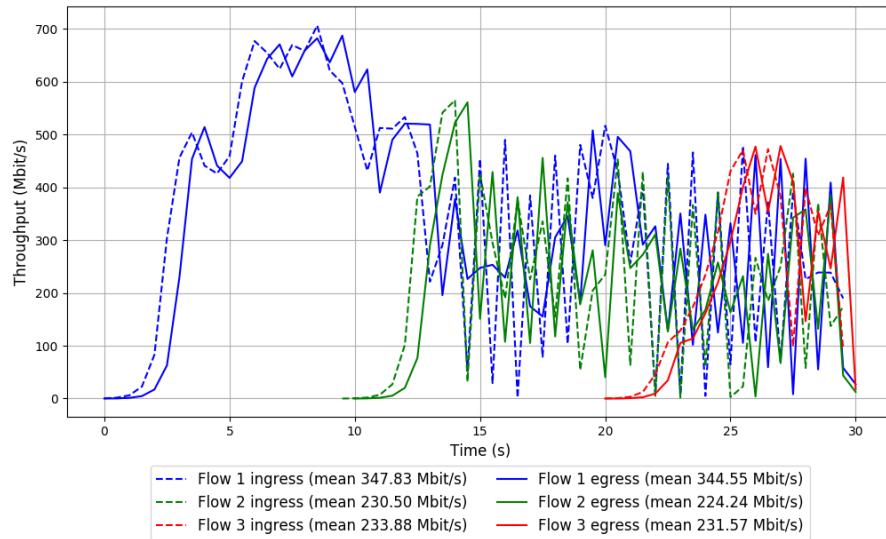


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 00:34:37
End at: 2019-07-18 00:35:07
Local clock offset: -0.102 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-07-18 02:45:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.84 Mbit/s
95th percentile per-packet one-way delay: 189.789 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 344.55 Mbit/s
95th percentile per-packet one-way delay: 178.755 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 224.24 Mbit/s
95th percentile per-packet one-way delay: 209.854 ms
Loss rate: 3.72%
-- Flow 3:
Average throughput: 231.57 Mbit/s
95th percentile per-packet one-way delay: 148.744 ms
Loss rate: 3.32%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

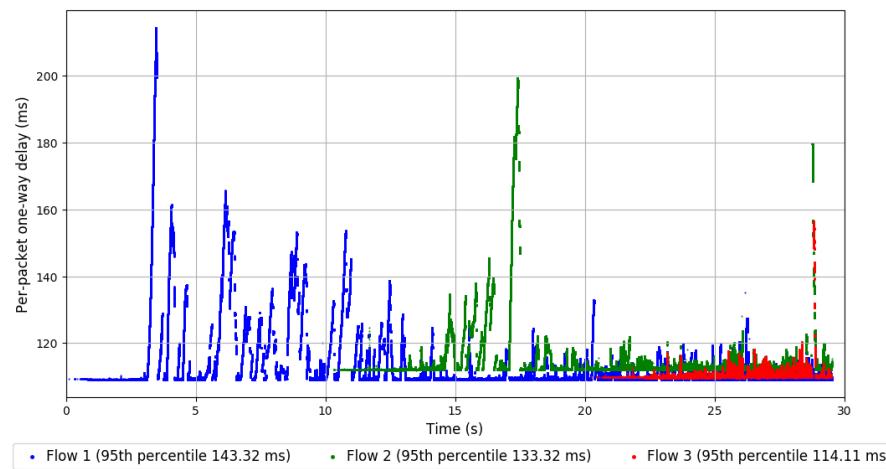
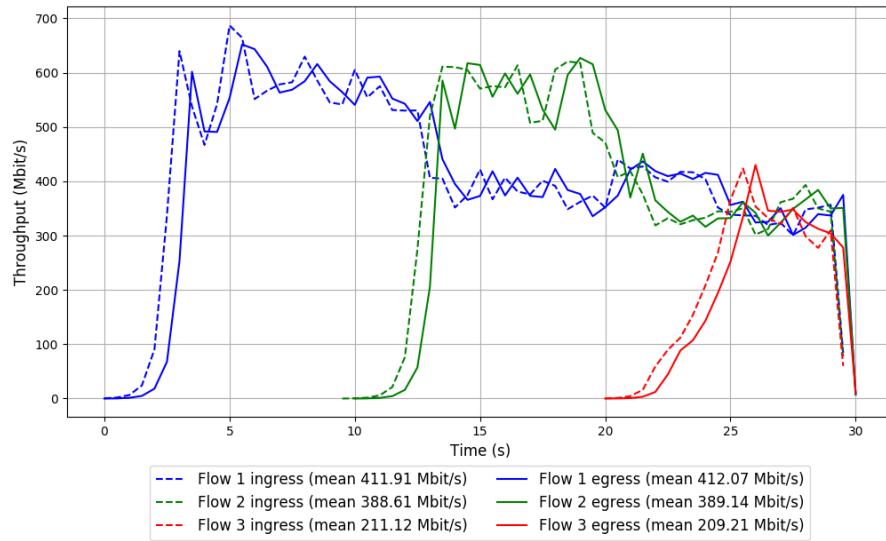


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 21:37:32
End at: 2019-07-17 21:38:02
Local clock offset: -0.101 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-07-18 02:48:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 734.95 Mbit/s
95th percentile per-packet one-way delay: 138.508 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 412.07 Mbit/s
95th percentile per-packet one-way delay: 143.321 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 389.14 Mbit/s
95th percentile per-packet one-way delay: 133.319 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 209.21 Mbit/s
95th percentile per-packet one-way delay: 114.108 ms
Loss rate: 3.22%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

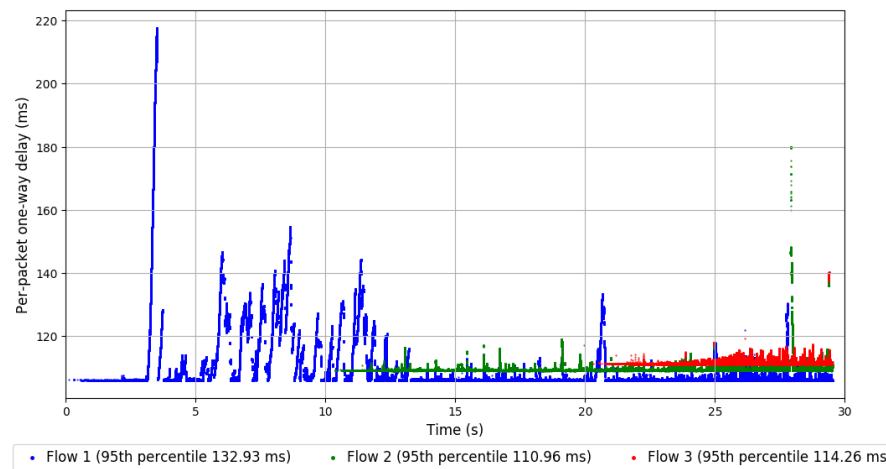
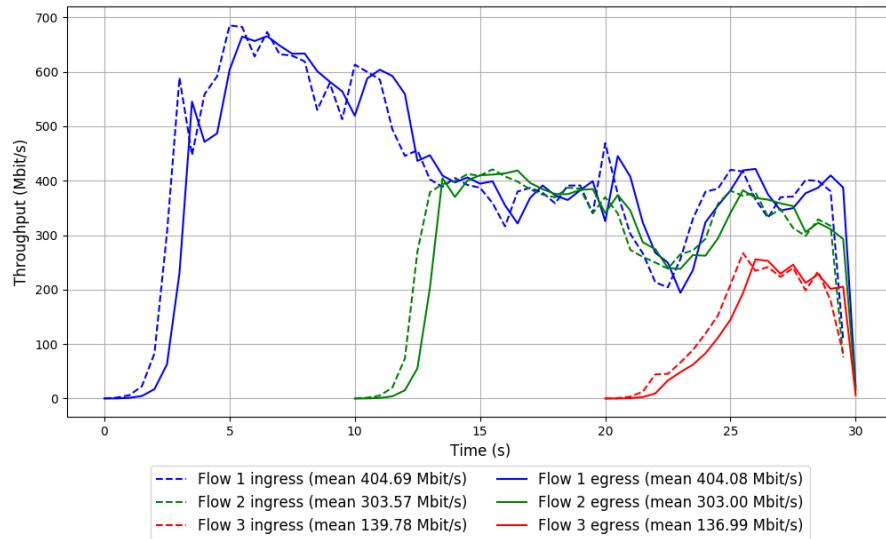


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 22:21:11
End at: 2019-07-17 22:21:41
Local clock offset: -0.7 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2019-07-18 02:48:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 646.52 Mbit/s
95th percentile per-packet one-way delay: 128.589 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 404.08 Mbit/s
95th percentile per-packet one-way delay: 132.931 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 303.00 Mbit/s
95th percentile per-packet one-way delay: 110.962 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 136.99 Mbit/s
95th percentile per-packet one-way delay: 114.258 ms
Loss rate: 4.40%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

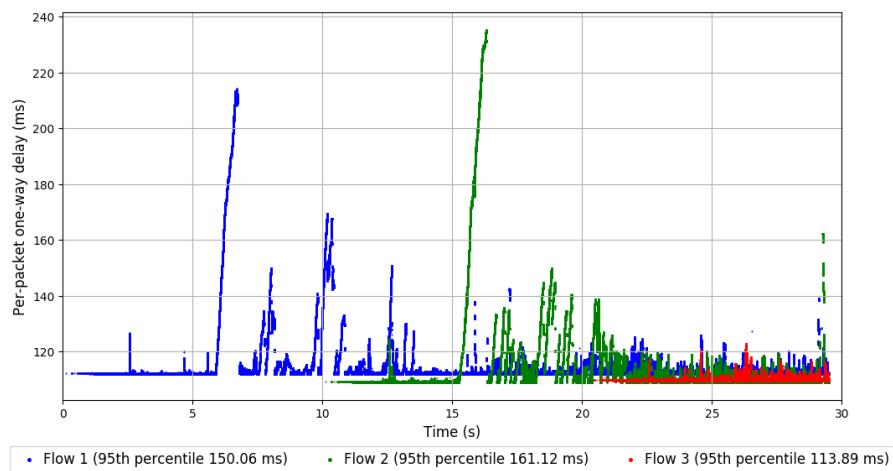
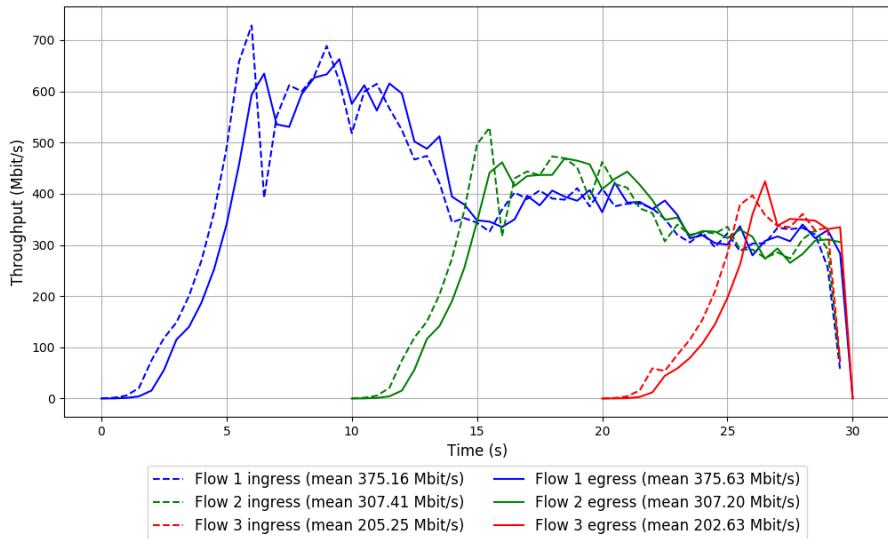


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 23:03:55
End at: 2019-07-17 23:04:25
Local clock offset: -0.066 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-07-18 02:50:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 641.78 Mbit/s
95th percentile per-packet one-way delay: 148.178 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 375.63 Mbit/s
95th percentile per-packet one-way delay: 150.059 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 307.20 Mbit/s
95th percentile per-packet one-way delay: 161.121 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 202.63 Mbit/s
95th percentile per-packet one-way delay: 113.895 ms
Loss rate: 3.55%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

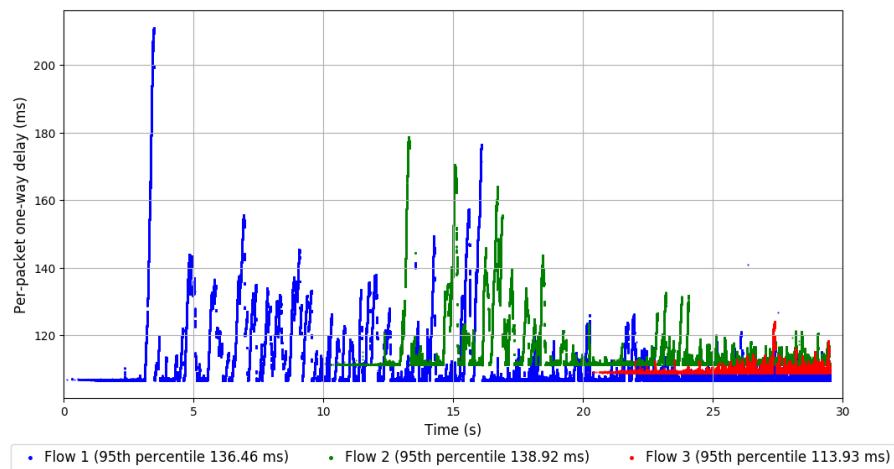
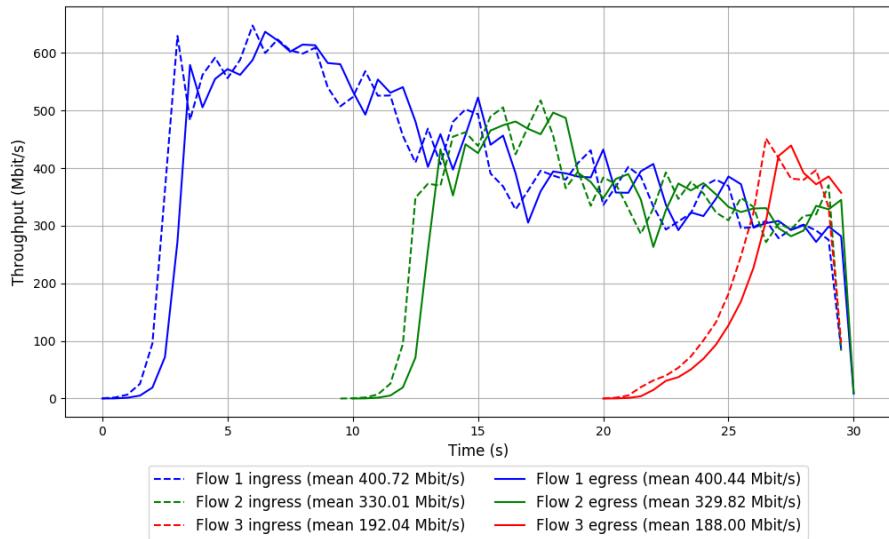


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 23:47:27
End at: 2019-07-17 23:47:57
Local clock offset: 0.008 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-07-18 02:54:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.08 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 400.44 Mbit/s
95th percentile per-packet one-way delay: 136.456 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 329.82 Mbit/s
95th percentile per-packet one-way delay: 138.919 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 188.00 Mbit/s
95th percentile per-packet one-way delay: 113.926 ms
Loss rate: 4.56%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

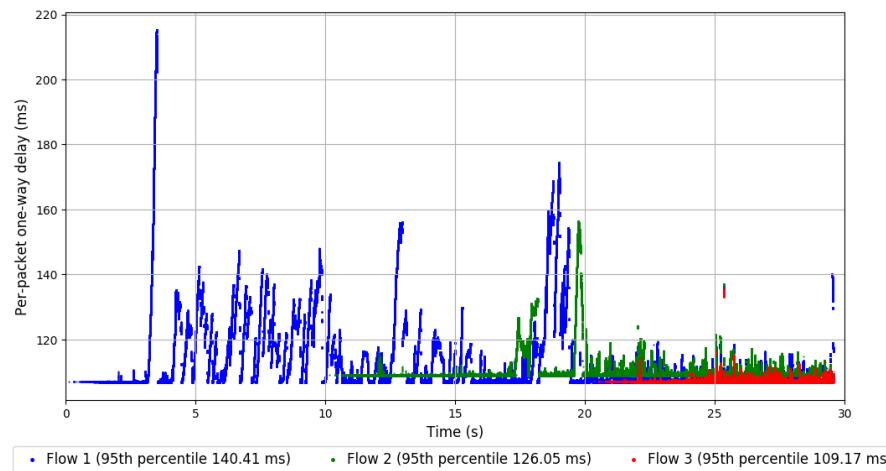
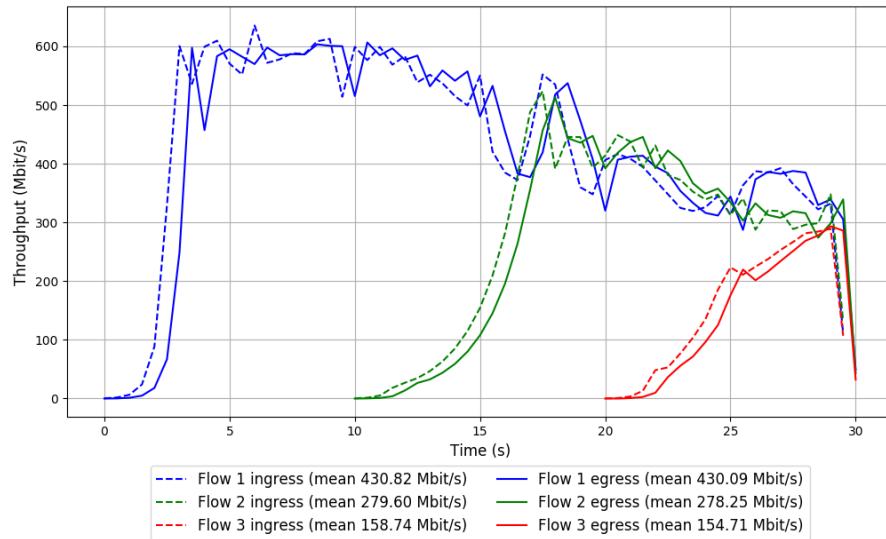


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 00:30:45
End at: 2019-07-18 00:31:15
Local clock offset: -0.009 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-07-18 02:55:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 661.73 Mbit/s
95th percentile per-packet one-way delay: 135.908 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 430.09 Mbit/s
95th percentile per-packet one-way delay: 140.413 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 278.25 Mbit/s
95th percentile per-packet one-way delay: 126.054 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 154.71 Mbit/s
95th percentile per-packet one-way delay: 109.170 ms
Loss rate: 4.75%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

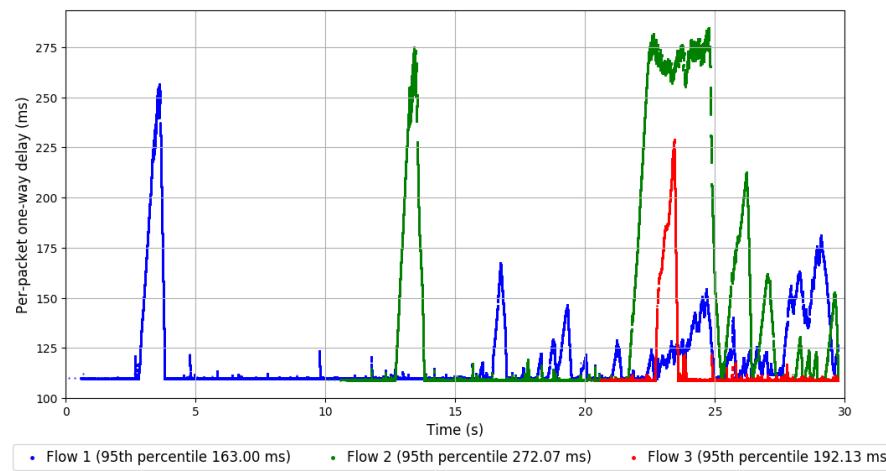
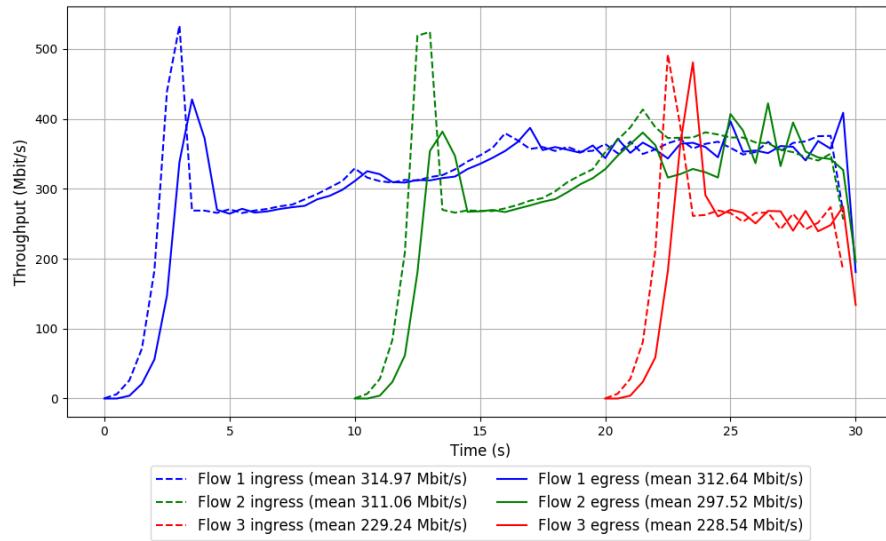


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-17 21:32:15
End at: 2019-07-17 21:32:45
Local clock offset: -0.138 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-07-18 03:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 583.79 Mbit/s
95th percentile per-packet one-way delay: 252.914 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 312.64 Mbit/s
95th percentile per-packet one-way delay: 163.005 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 297.52 Mbit/s
95th percentile per-packet one-way delay: 272.071 ms
Loss rate: 5.43%
-- Flow 3:
Average throughput: 228.54 Mbit/s
95th percentile per-packet one-way delay: 192.133 ms
Loss rate: 2.56%
```

Run 1: Report of PCC-Allegro — Data Link

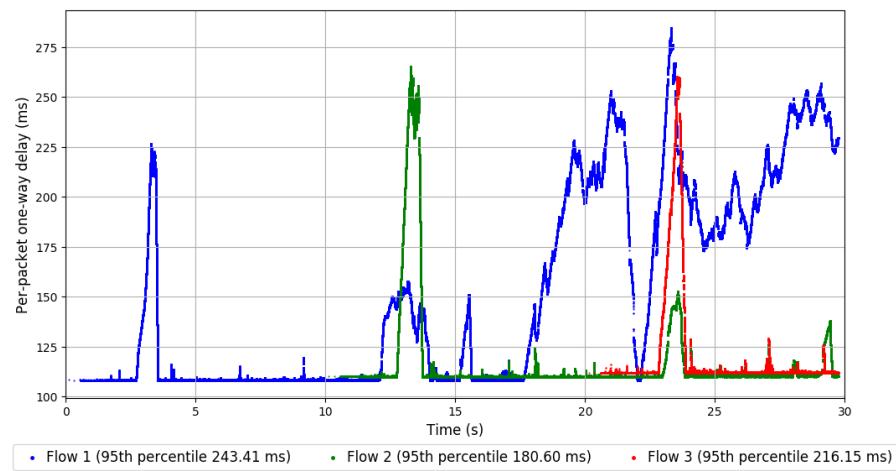
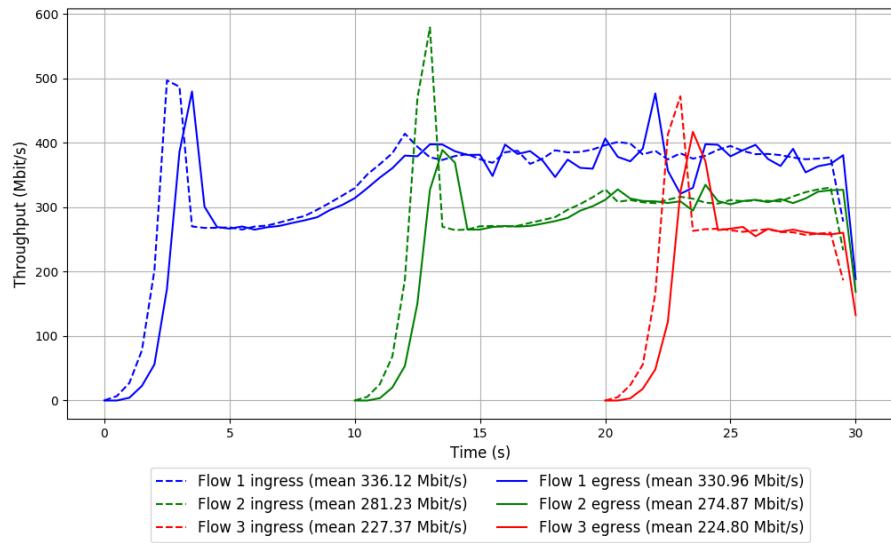


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-17 22:15:53
End at: 2019-07-17 22:16:23
Local clock offset: -0.171 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-07-18 03:04:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 585.87 Mbit/s
95th percentile per-packet one-way delay: 240.432 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 330.96 Mbit/s
95th percentile per-packet one-way delay: 243.408 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 274.87 Mbit/s
95th percentile per-packet one-way delay: 180.600 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 216.154 ms
Loss rate: 3.37%
```

Run 2: Report of PCC-Allegro — Data Link

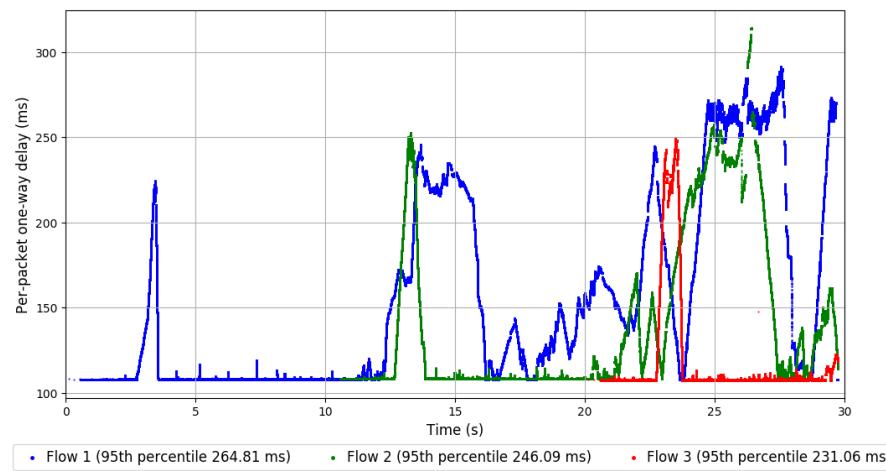
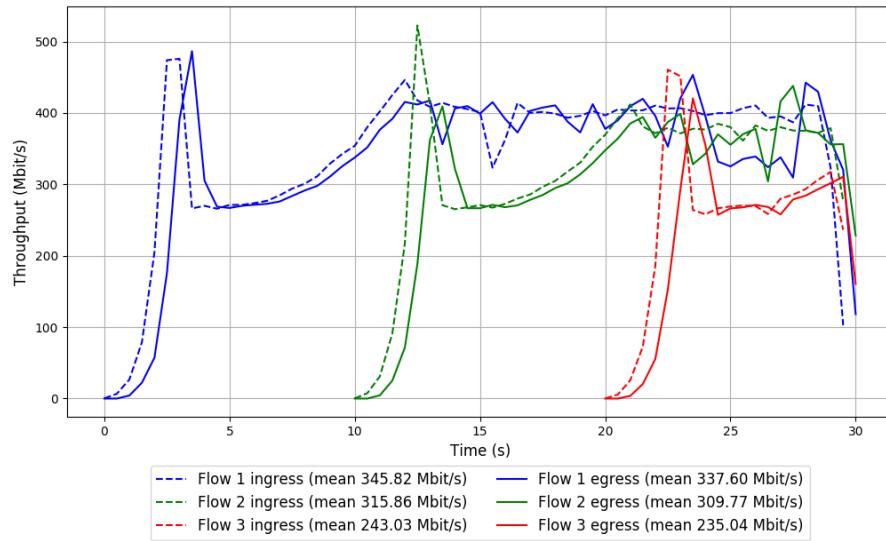


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-17 22:58:32
End at: 2019-07-17 22:59:02
Local clock offset: -1.409 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-07-18 03:07:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 618.98 Mbit/s
95th percentile per-packet one-way delay: 260.202 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 337.60 Mbit/s
95th percentile per-packet one-way delay: 264.805 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 309.77 Mbit/s
95th percentile per-packet one-way delay: 246.091 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 235.04 Mbit/s
95th percentile per-packet one-way delay: 231.060 ms
Loss rate: 5.42%
```

Run 3: Report of PCC-Allegro — Data Link

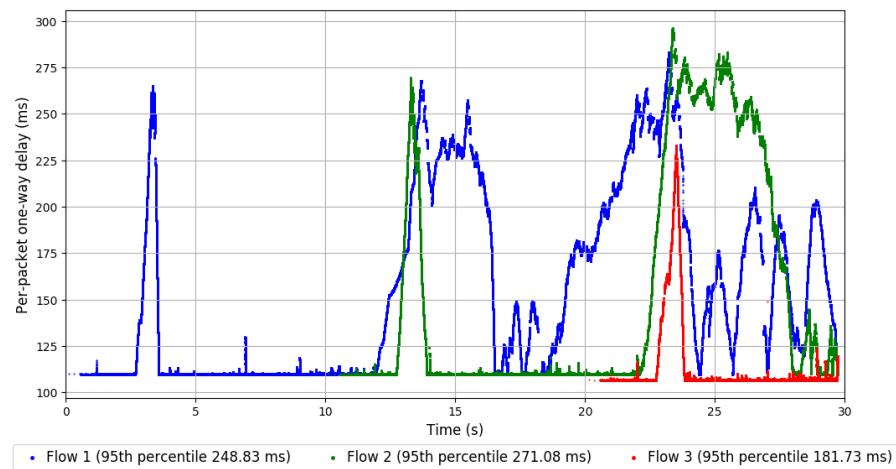
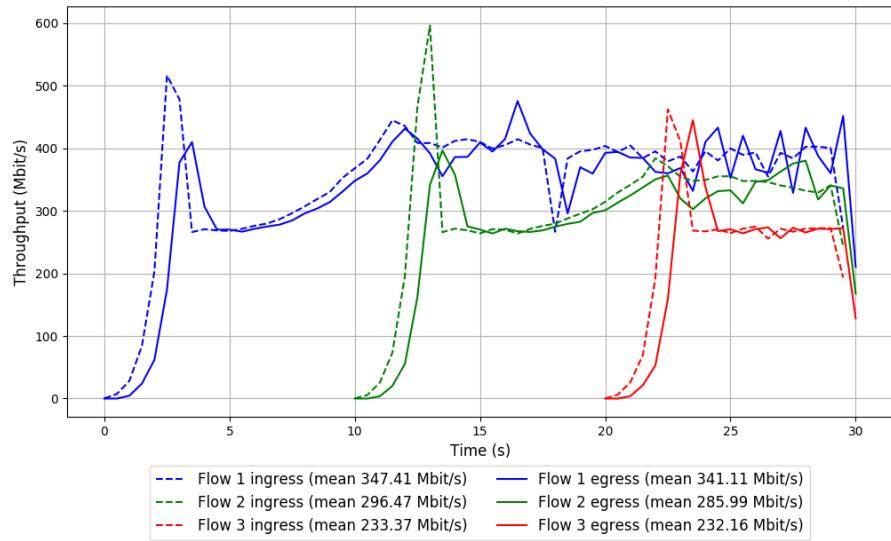


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-17 23:42:08
End at: 2019-07-17 23:42:38
Local clock offset: 0.04 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-07-18 03:09:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 605.70 Mbit/s
95th percentile per-packet one-way delay: 258.584 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 341.11 Mbit/s
95th percentile per-packet one-way delay: 248.834 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 285.99 Mbit/s
95th percentile per-packet one-way delay: 271.077 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 232.16 Mbit/s
95th percentile per-packet one-way delay: 181.729 ms
Loss rate: 2.72%
```

Run 4: Report of PCC-Allegro — Data Link

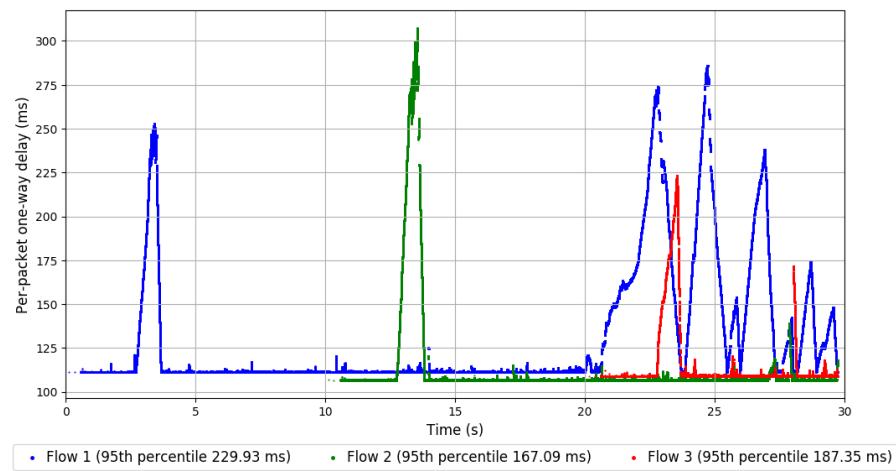
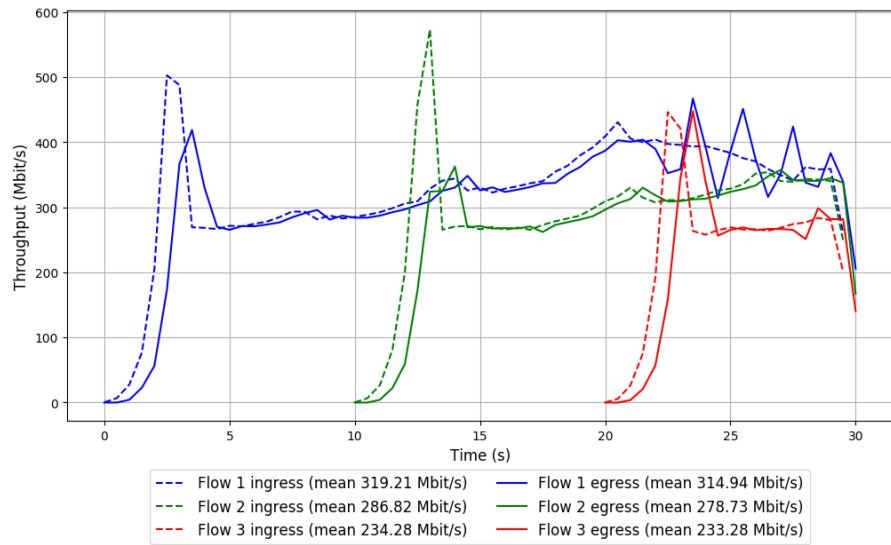


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-18 00:25:27
End at: 2019-07-18 00:25:57
Local clock offset: -0.079 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-07-18 03:09:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.15 Mbit/s
95th percentile per-packet one-way delay: 219.270 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 314.94 Mbit/s
95th percentile per-packet one-way delay: 229.929 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 278.73 Mbit/s
95th percentile per-packet one-way delay: 167.088 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 233.28 Mbit/s
95th percentile per-packet one-way delay: 187.347 ms
Loss rate: 2.65%
```

Run 5: Report of PCC-Allegro — Data Link

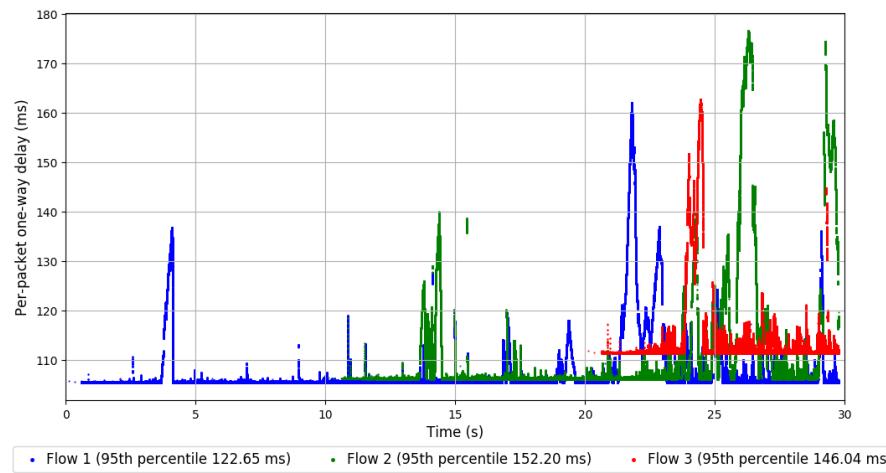
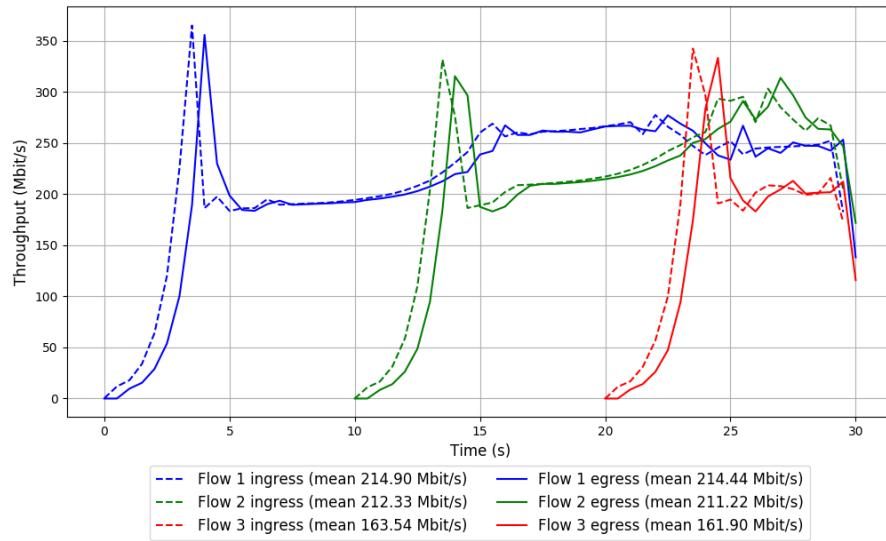


Run 1: Statistics of PCC-Expr

```
Start at: 2019-07-17 21:23:57
End at: 2019-07-17 21:24:27
Local clock offset: -0.65 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-07-18 03:09:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.95 Mbit/s
95th percentile per-packet one-way delay: 135.409 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 214.44 Mbit/s
95th percentile per-packet one-way delay: 122.650 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 211.22 Mbit/s
95th percentile per-packet one-way delay: 152.196 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 161.90 Mbit/s
95th percentile per-packet one-way delay: 146.040 ms
Loss rate: 3.26%
```

Run 1: Report of PCC-Expr — Data Link

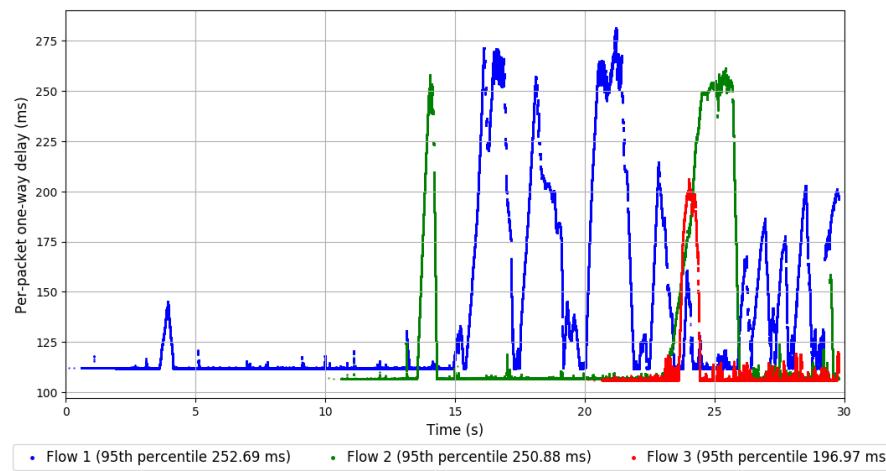
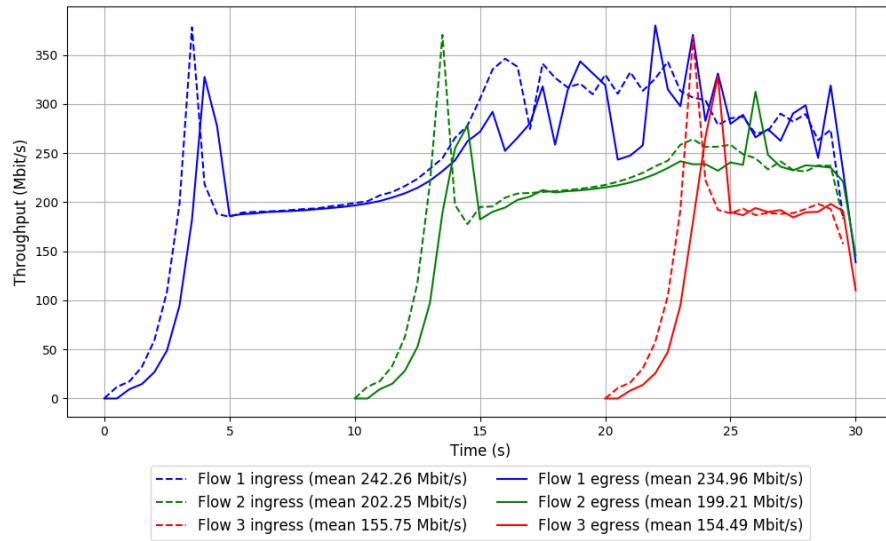


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-17 22:07:40
End at: 2019-07-17 22:08:10
Local clock offset: -0.039 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2019-07-18 03:10:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.20 Mbit/s
95th percentile per-packet one-way delay: 249.750 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 234.96 Mbit/s
95th percentile per-packet one-way delay: 252.694 ms
Loss rate: 3.74%
-- Flow 2:
Average throughput: 199.21 Mbit/s
95th percentile per-packet one-way delay: 250.885 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 154.49 Mbit/s
95th percentile per-packet one-way delay: 196.973 ms
Loss rate: 2.98%
```

Run 2: Report of PCC-Expr — Data Link

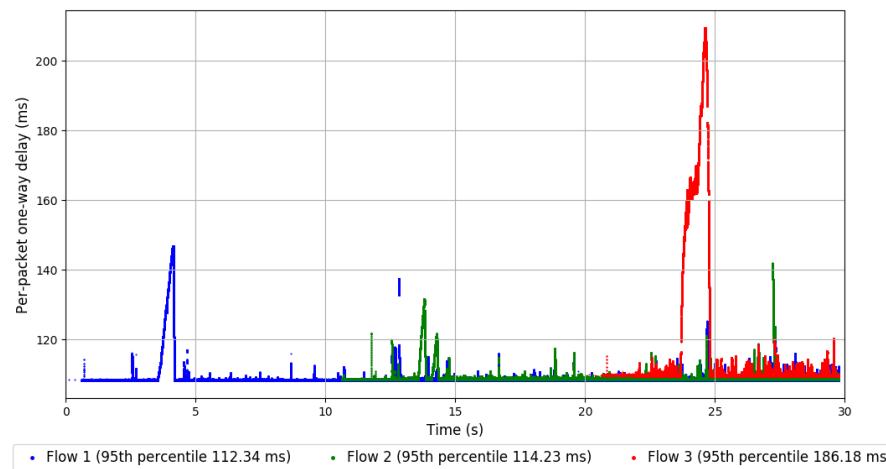
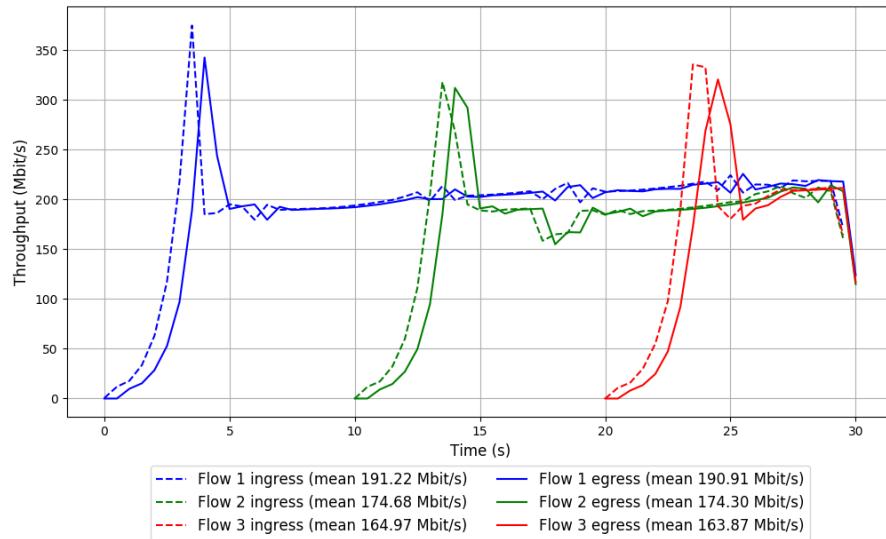


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-17 22:50:28
End at: 2019-07-17 22:50:58
Local clock offset: -0.175 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-07-18 03:10:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.61 Mbit/s
95th percentile per-packet one-way delay: 123.606 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 190.91 Mbit/s
95th percentile per-packet one-way delay: 112.337 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 174.30 Mbit/s
95th percentile per-packet one-way delay: 114.235 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 163.87 Mbit/s
95th percentile per-packet one-way delay: 186.175 ms
Loss rate: 2.88%
```

Run 3: Report of PCC-Expr — Data Link

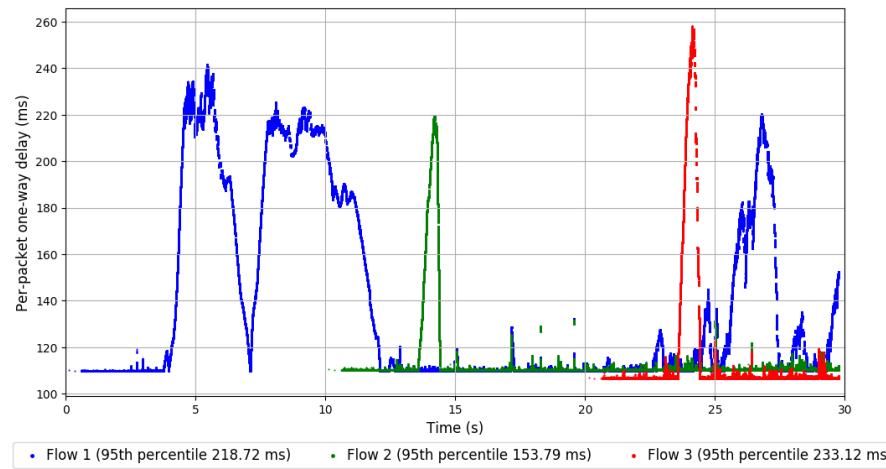
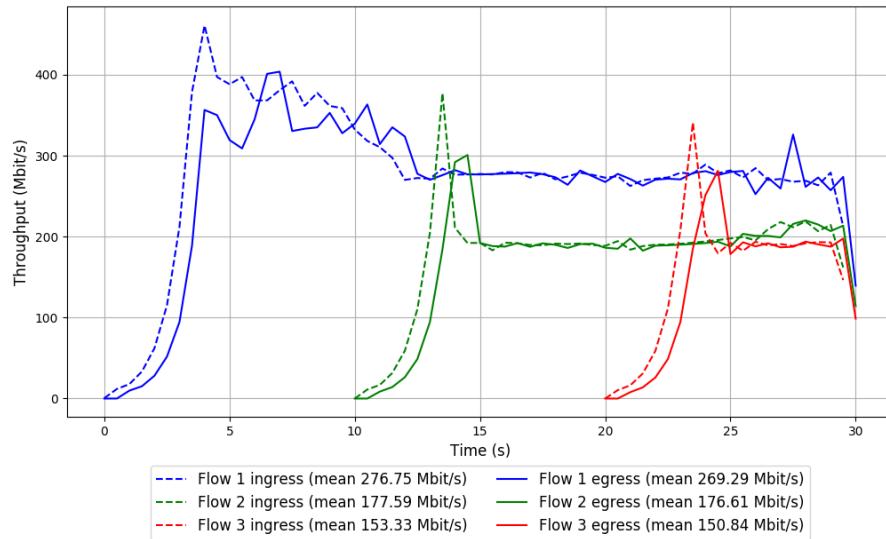


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-17 23:33:52
End at: 2019-07-17 23:34:22
Local clock offset: 0.034 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.22 Mbit/s
95th percentile per-packet one-way delay: 216.506 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 269.29 Mbit/s
95th percentile per-packet one-way delay: 218.721 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 176.61 Mbit/s
95th percentile per-packet one-way delay: 153.792 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 150.84 Mbit/s
95th percentile per-packet one-way delay: 233.118 ms
Loss rate: 3.91%
```

Run 4: Report of PCC-Expr — Data Link

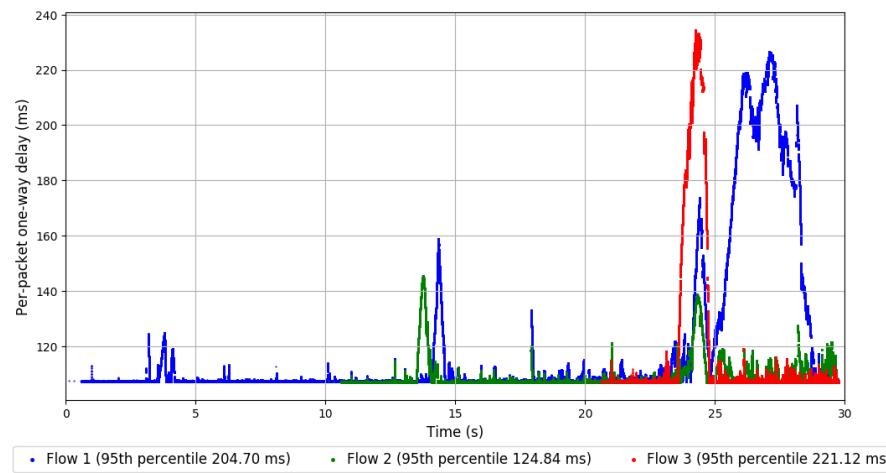
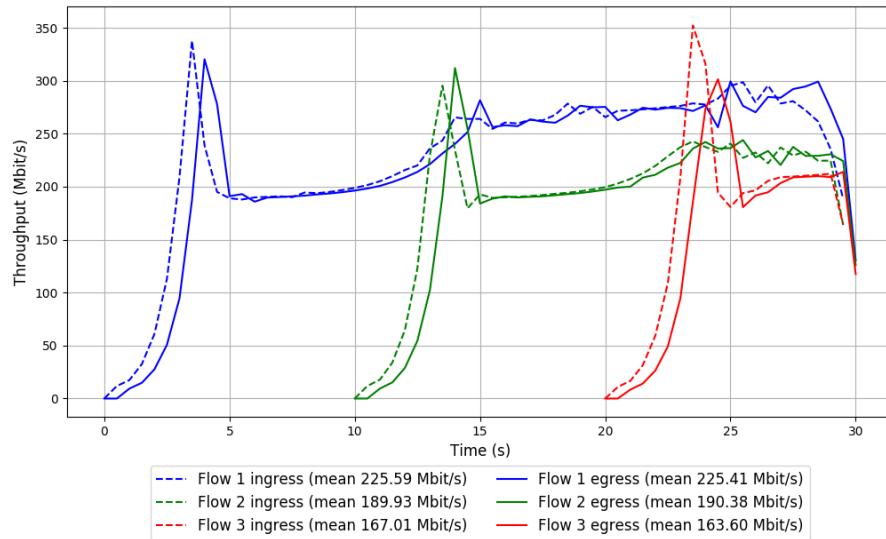


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-18 00:17:06
End at: 2019-07-18 00:17:36
Local clock offset: 0.209 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.74 Mbit/s
95th percentile per-packet one-way delay: 198.690 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 225.41 Mbit/s
95th percentile per-packet one-way delay: 204.696 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 190.38 Mbit/s
95th percentile per-packet one-way delay: 124.842 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 163.60 Mbit/s
95th percentile per-packet one-way delay: 221.115 ms
Loss rate: 4.20%
```

Run 5: Report of PCC-Expr — Data Link

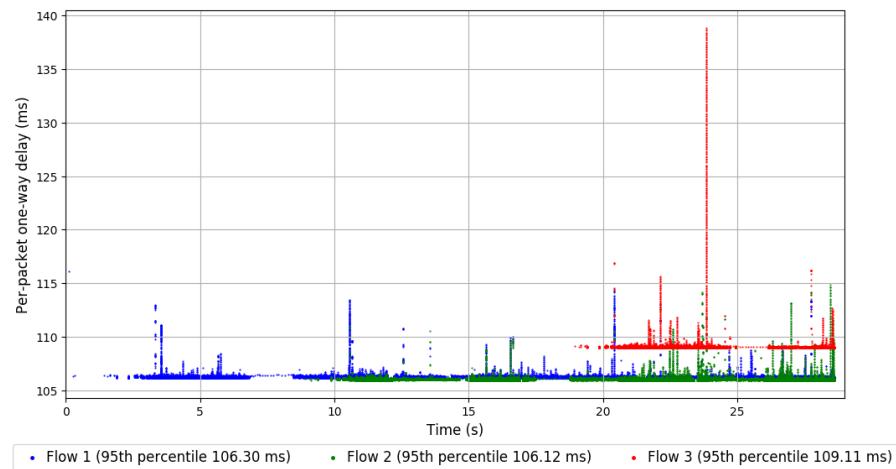
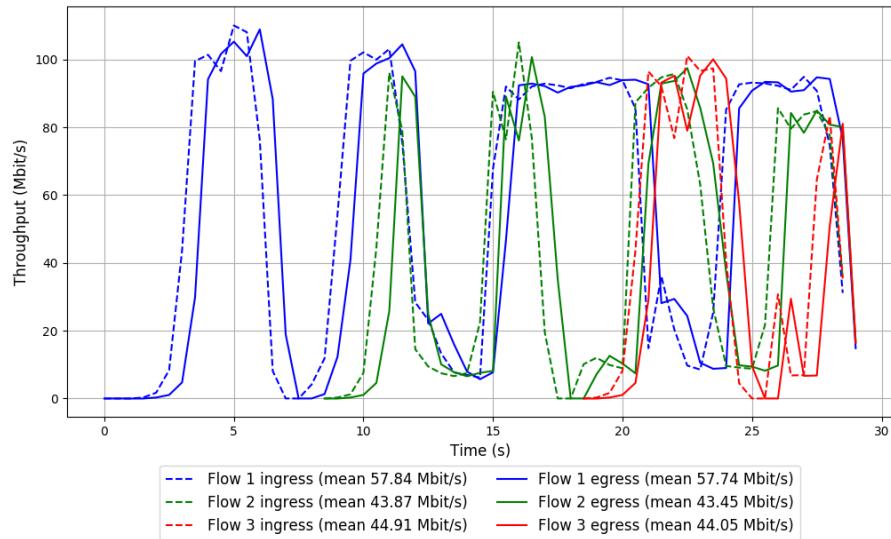


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-17 21:18:46
End at: 2019-07-17 21:19:16
Local clock offset: -0.714 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 102.71 Mbit/s
95th percentile per-packet one-way delay: 109.029 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 106.302 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 106.116 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 109.105 ms
Loss rate: 4.11%
```

Run 1: Report of QUIC Cubic — Data Link

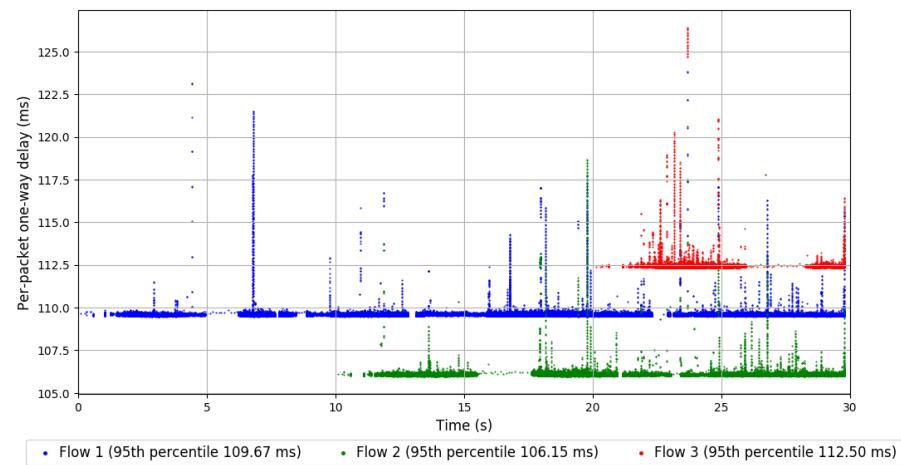
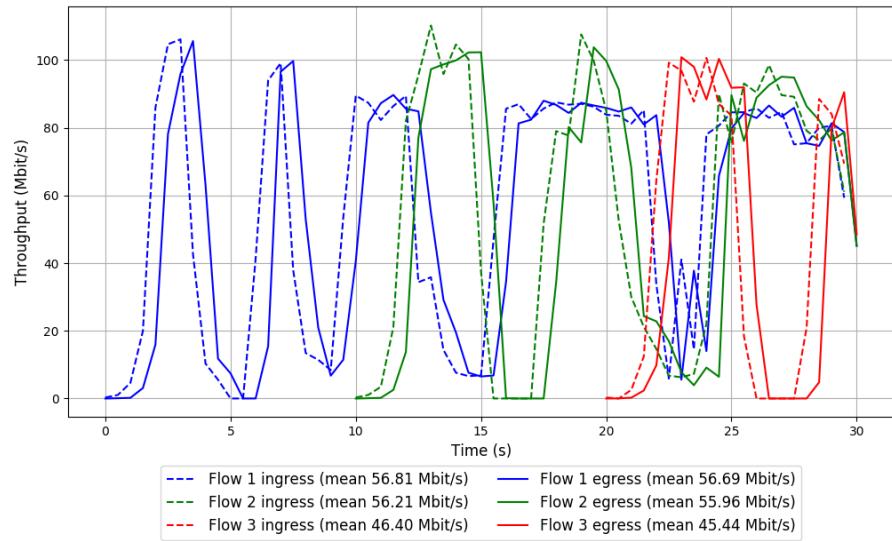


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-17 22:02:31
End at: 2019-07-17 22:03:01
Local clock offset: -0.047 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.54 Mbit/s
95th percentile per-packet one-way delay: 112.416 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 109.666 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 106.152 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 112.501 ms
Loss rate: 4.28%
```

Run 2: Report of QUIC Cubic — Data Link

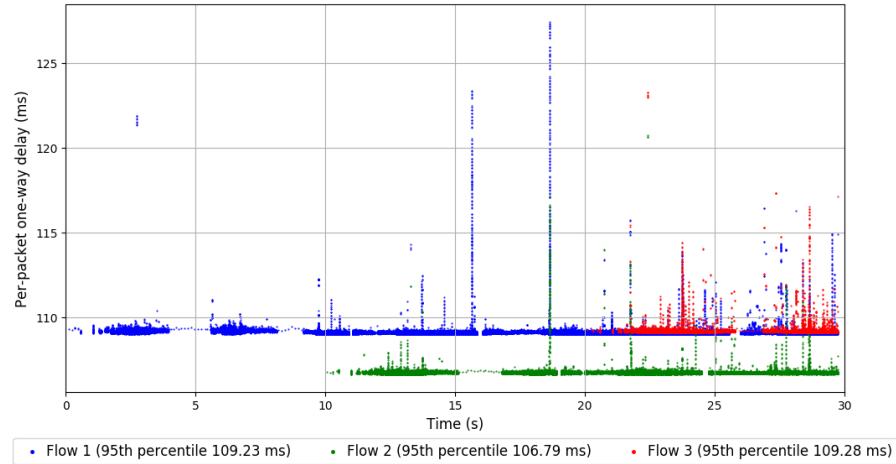
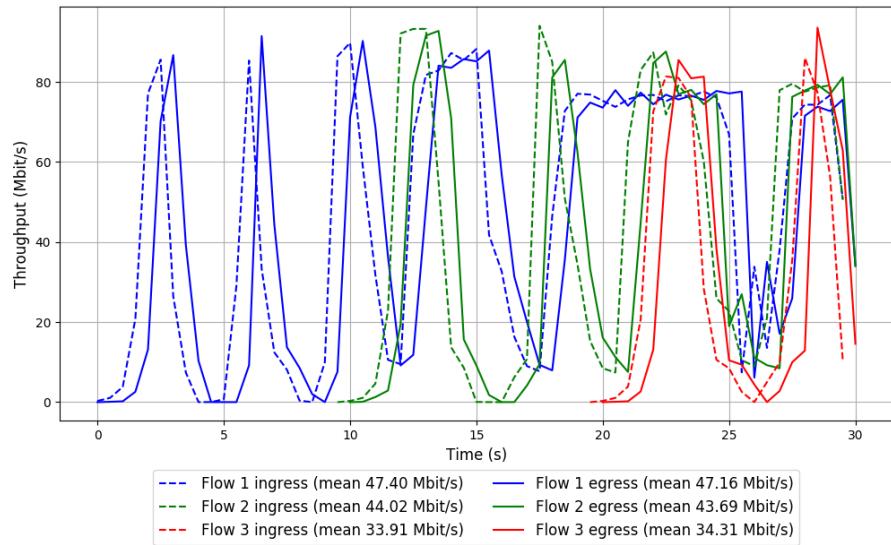


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-17 22:45:32
End at: 2019-07-17 22:46:02
Local clock offset: -0.009 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 109.209 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 109.229 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 106.793 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 109.277 ms
Loss rate: 0.86%
```

Run 3: Report of QUIC Cubic — Data Link

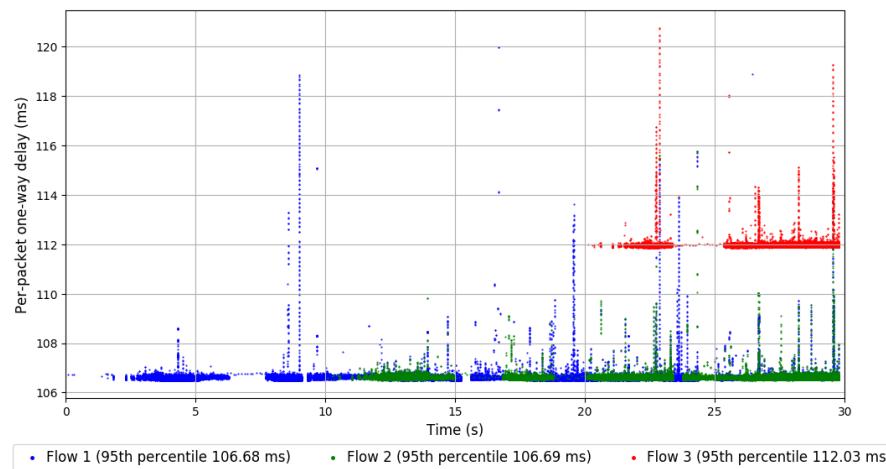
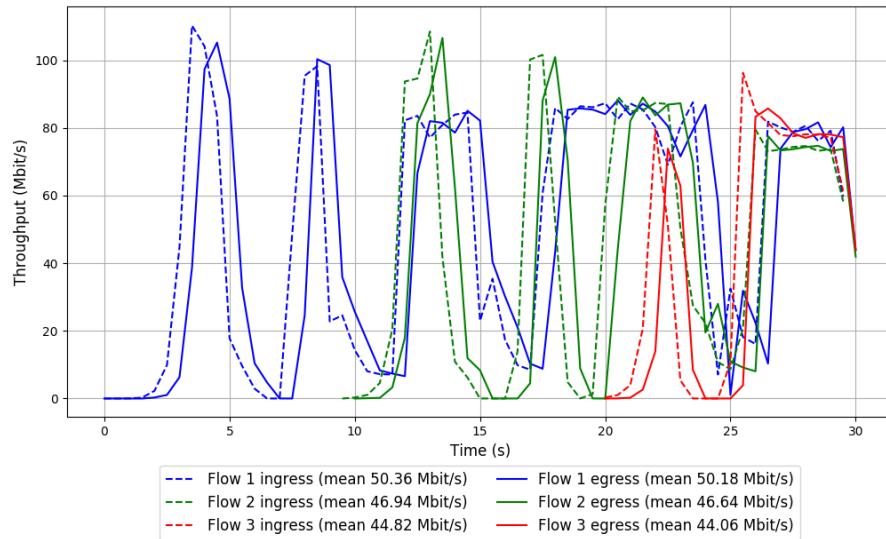


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-17 23:28:41
End at: 2019-07-17 23:29:11
Local clock offset: -0.091 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 111.952 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 106.677 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 106.690 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 112.033 ms
Loss rate: 3.92%
```

Run 4: Report of QUIC Cubic — Data Link

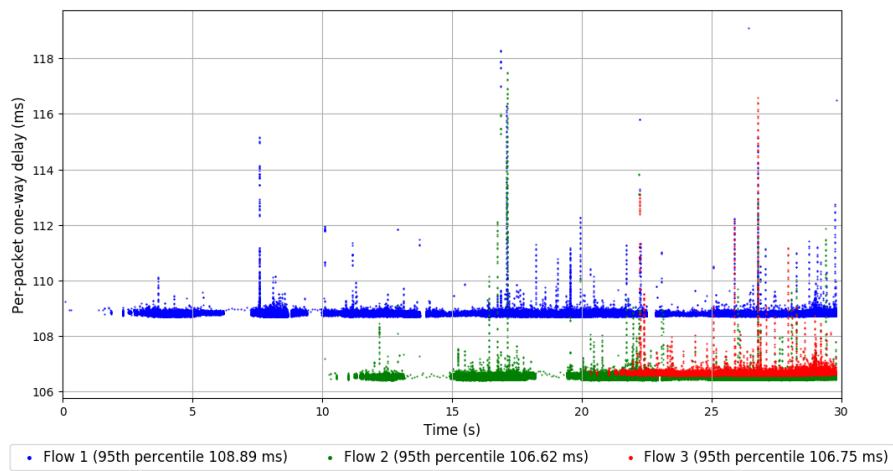
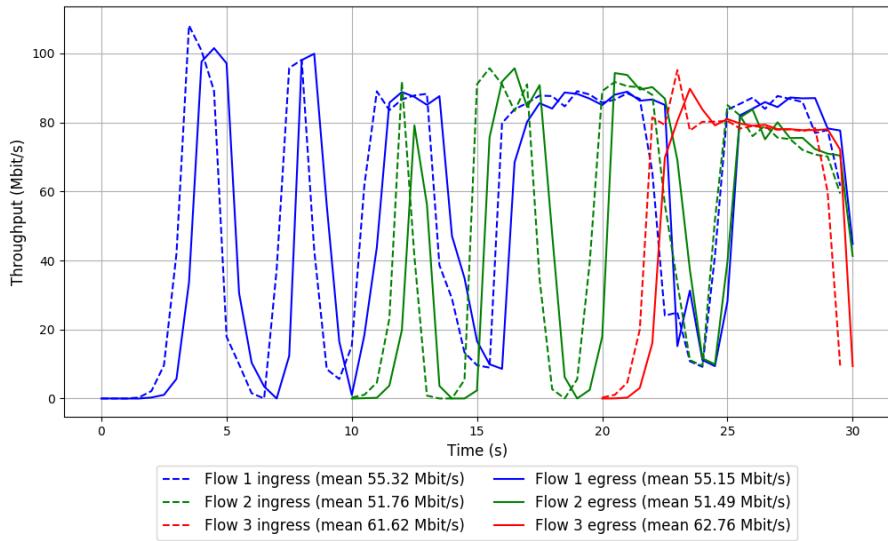


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-18 00:11:50
End at: 2019-07-18 00:12:20
Local clock offset: -0.287 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 109.70 Mbit/s
95th percentile per-packet one-way delay: 108.859 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 108.892 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 106.623 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 106.753 ms
Loss rate: 0.38%
```

Run 5: Report of QUIC Cubic — Data Link

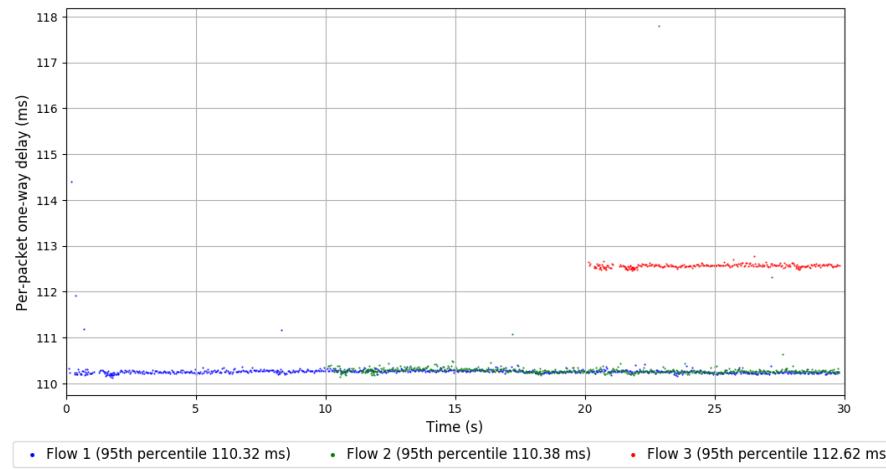
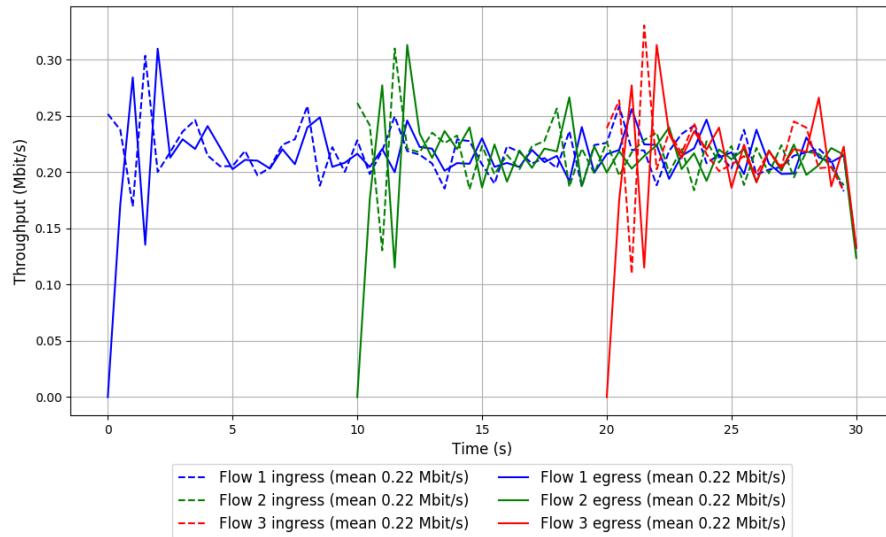


```
Run 1: Statistics of SCReAM

Start at: 2019-07-17 21:29:40
End at: 2019-07-17 21:30:10
Local clock offset: 0.289 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.581 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.318 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.378 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.624 ms
Loss rate: 1.87%
```

Run 1: Report of SCReAM — Data Link

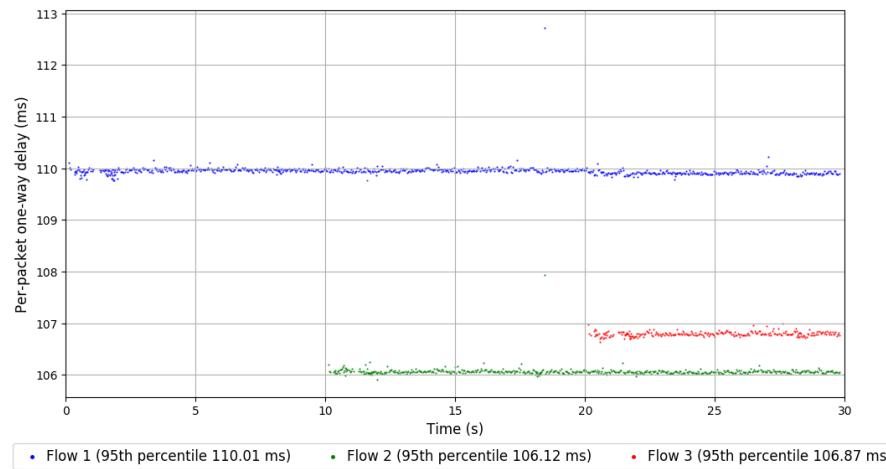
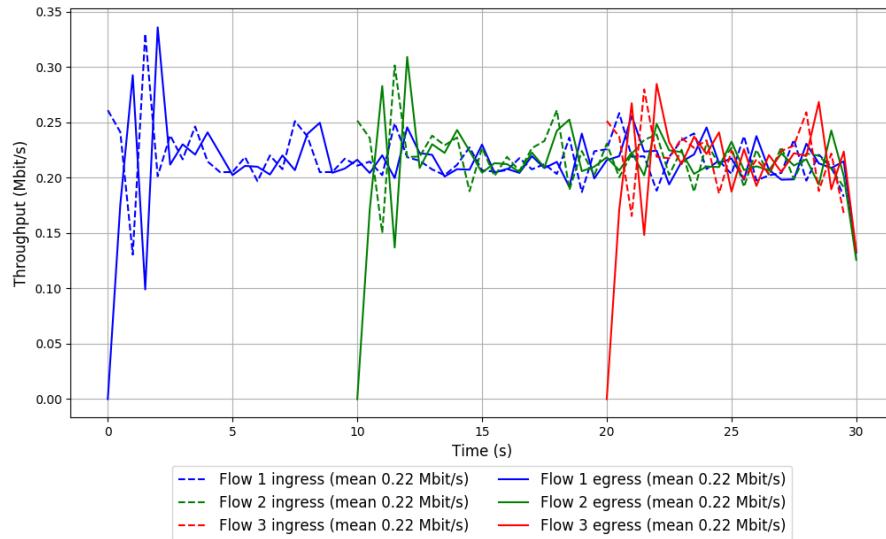


Run 2: Statistics of SCReAM

```
Start at: 2019-07-17 22:13:19
End at: 2019-07-17 22:13:49
Local clock offset: -0.197 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.996 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.014 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.120 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.869 ms
Loss rate: 1.88%
```

Run 2: Report of SCReAM — Data Link

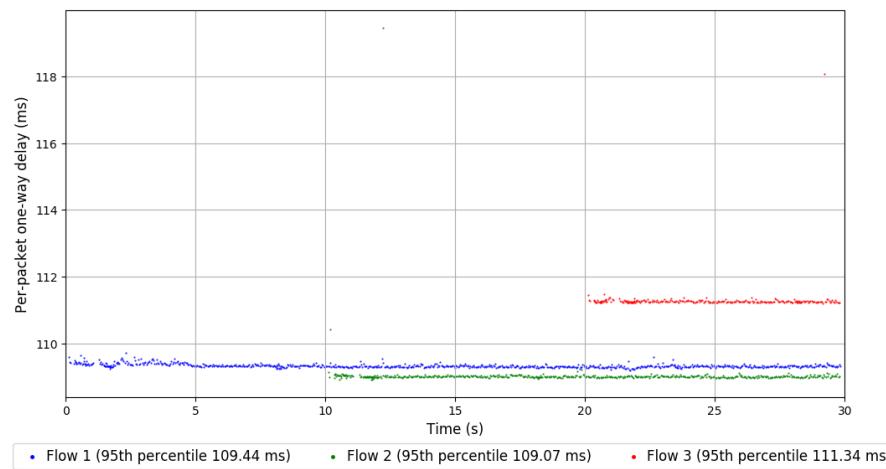
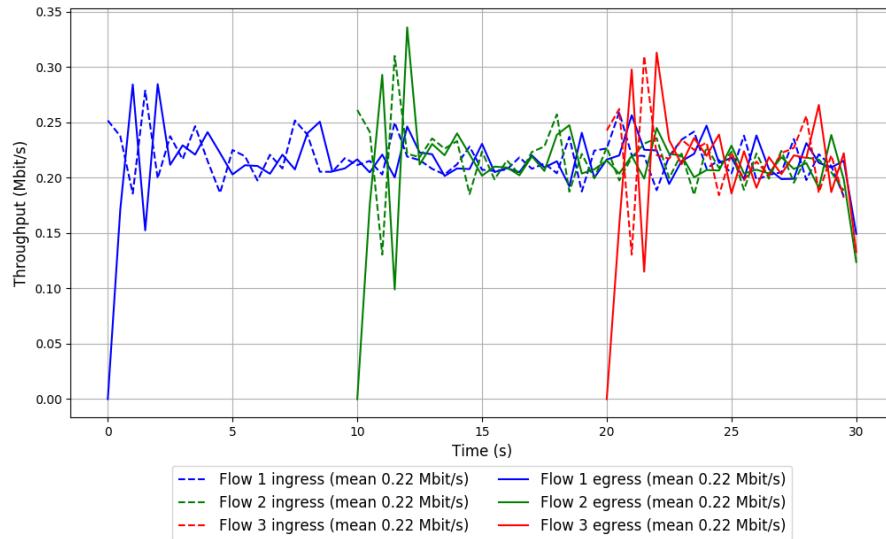


Run 3: Statistics of SCReAM

```
Start at: 2019-07-17 22:55:58
End at: 2019-07-17 22:56:28
Local clock offset: -0.029 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.273 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.441 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.067 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.337 ms
Loss rate: 2.21%
```

Run 3: Report of SCReAM — Data Link

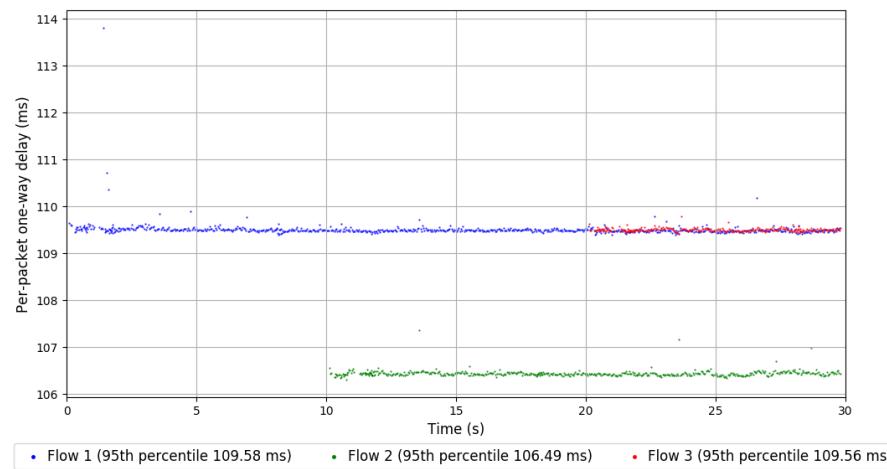
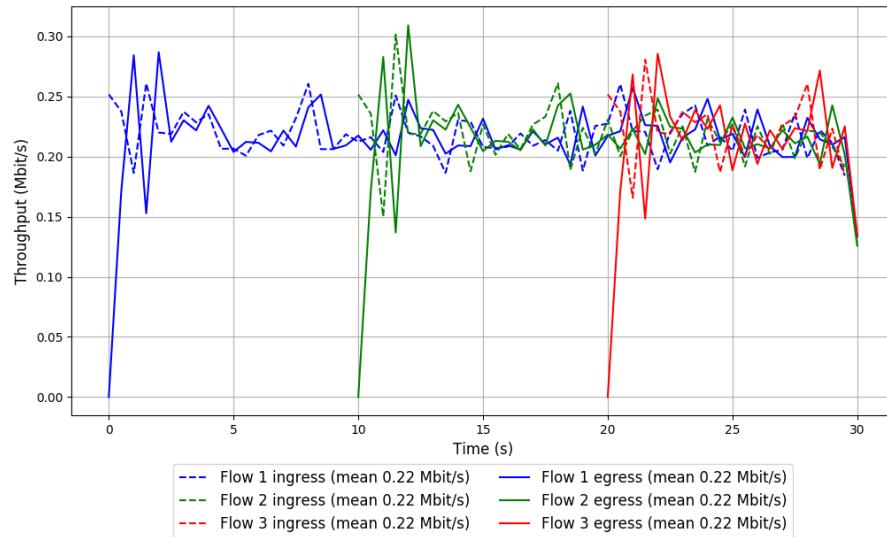


Run 4: Statistics of SCReAM

```
Start at: 2019-07-17 23:39:34
End at: 2019-07-17 23:40:04
Local clock offset: -0.028 ms
Remote clock offset: 0.325 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.553 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.575 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.493 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.557 ms
Loss rate: 2.22%
```

Run 4: Report of SCReAM — Data Link

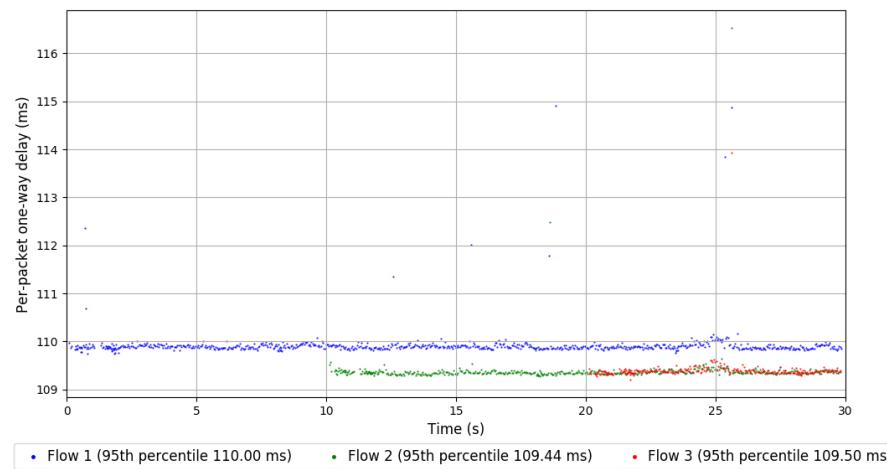
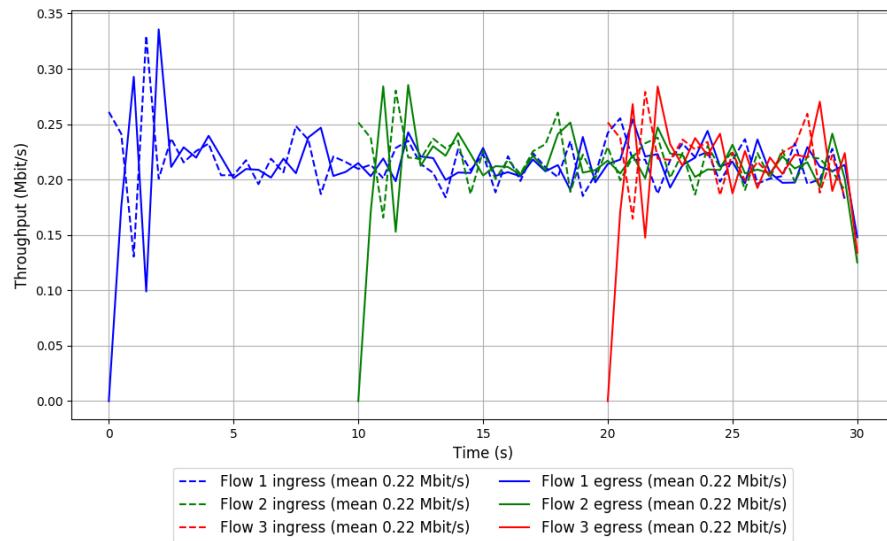


Run 5: Statistics of SCReAM

```
Start at: 2019-07-18 00:22:52
End at: 2019-07-18 00:23:22
Local clock offset: -0.049 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.957 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.996 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.444 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.497 ms
Loss rate: 2.22%
```

Run 5: Report of SCReAM — Data Link

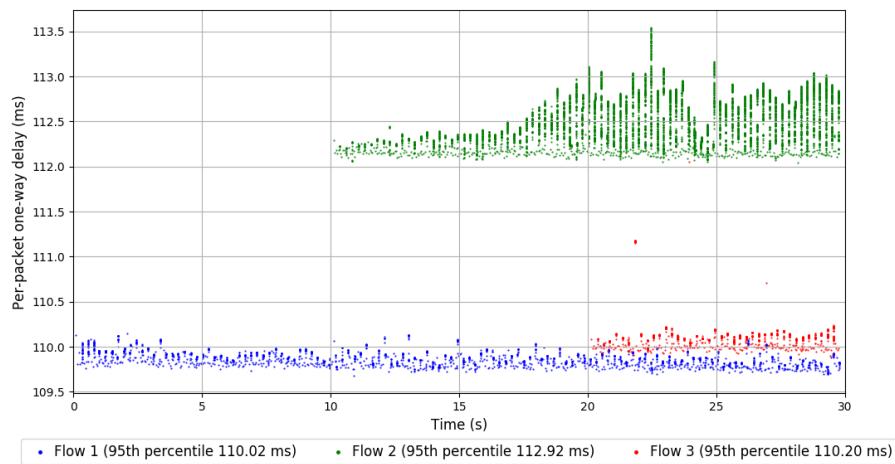
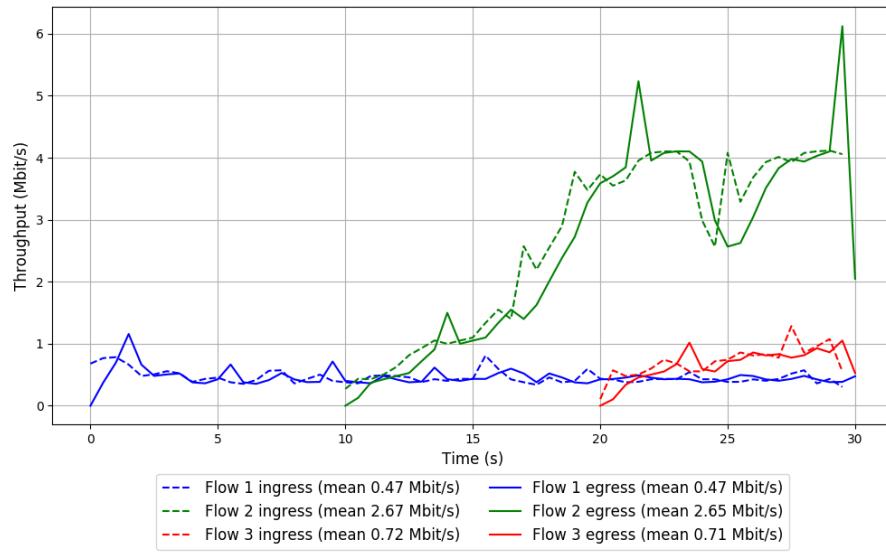


Run 1: Statistics of Sprout

```
Start at: 2019-07-17 21:13:43
End at: 2019-07-17 21:14:13
Local clock offset: -0.08 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 112.884 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 110.021 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 112.920 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 110.202 ms
Loss rate: 3.86%
```

Run 1: Report of Sprout — Data Link

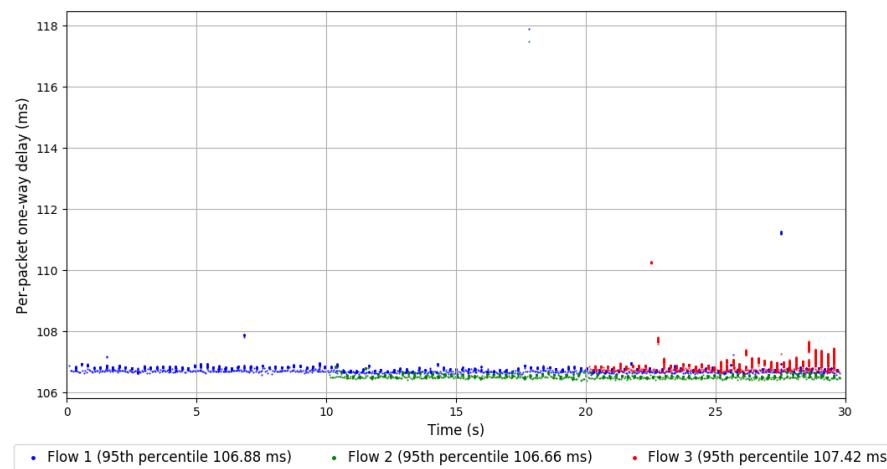
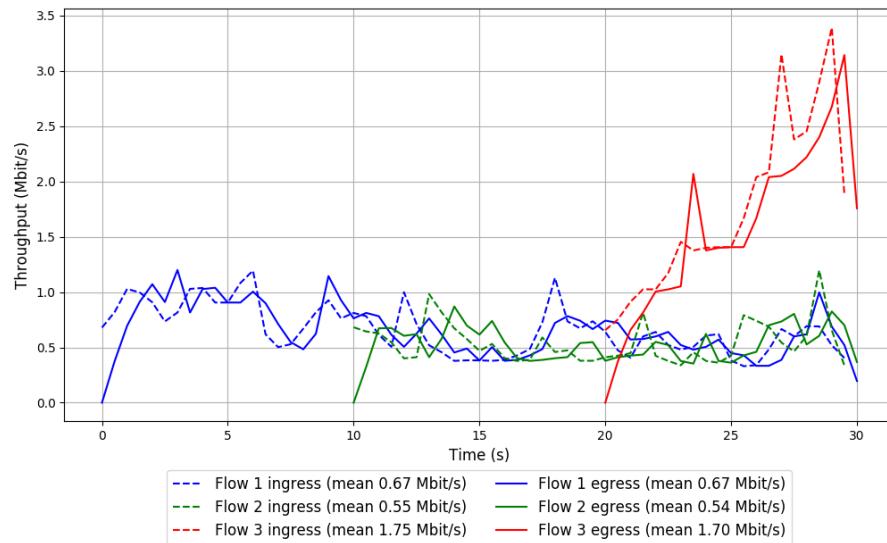


Run 2: Statistics of Sprout

```
Start at: 2019-07-17 21:57:23
End at: 2019-07-17 21:57:53
Local clock offset: -0.337 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 107.175 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 106.877 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 106.659 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 107.421 ms
Loss rate: 5.44%
```

Run 2: Report of Sprout — Data Link

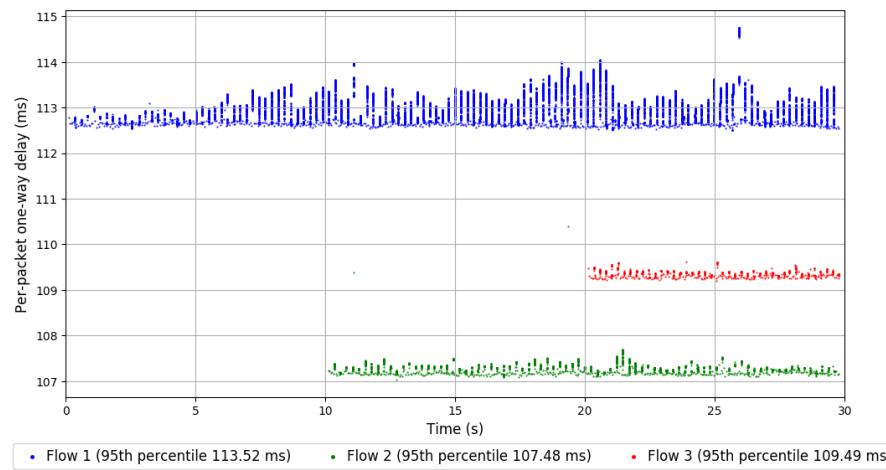
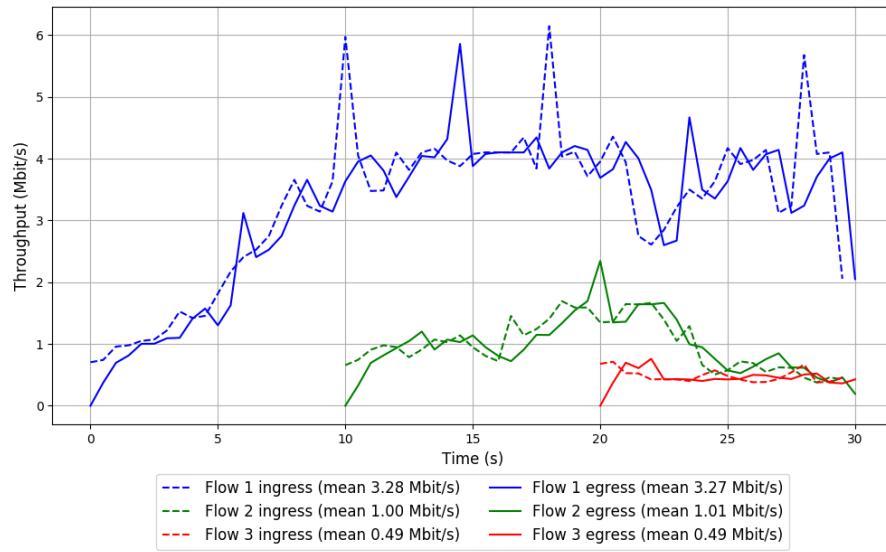


Run 3: Statistics of Sprout

```
Start at: 2019-07-17 22:40:39
End at: 2019-07-17 22:41:09
Local clock offset: 0.135 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 113.480 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 113.520 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 107.479 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 109.491 ms
Loss rate: 2.47%
```

Run 3: Report of Sprout — Data Link

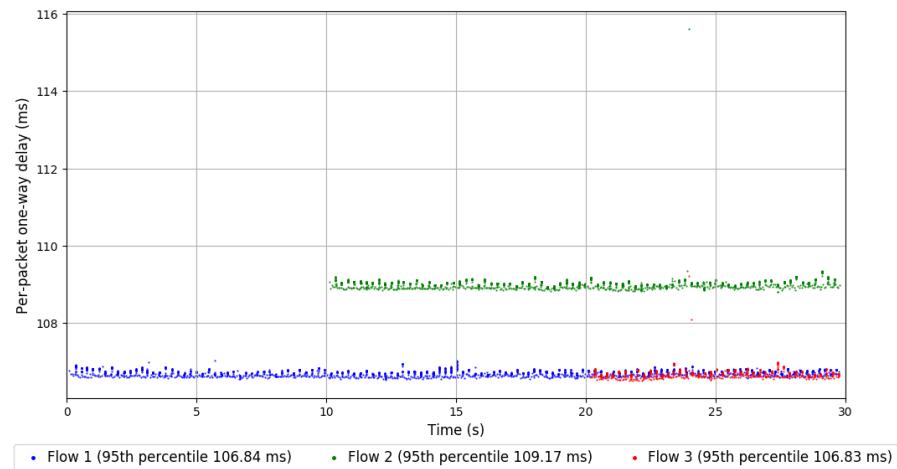
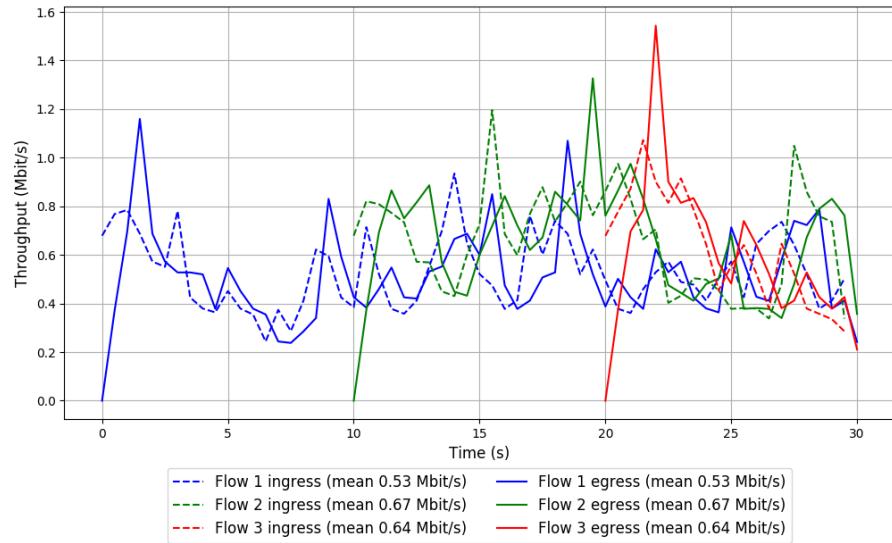


Run 4: Statistics of Sprout

```
Start at: 2019-07-17 23:23:33
End at: 2019-07-17 23:24:03
Local clock offset: -0.132 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 109.121 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 106.841 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 109.172 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 106.832 ms
Loss rate: 1.17%
```

Run 4: Report of Sprout — Data Link

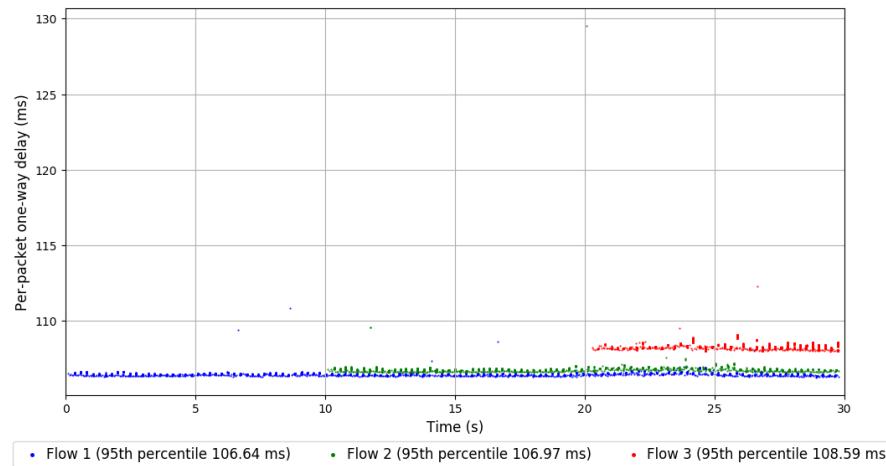
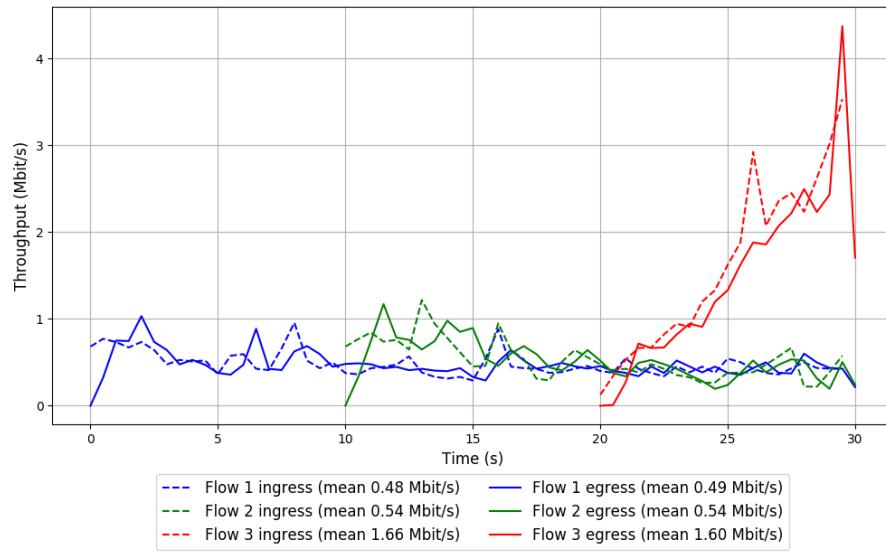


Run 5: Statistics of Sprout

```
Start at: 2019-07-18 00:06:51
End at: 2019-07-18 00:07:21
Local clock offset: -0.092 ms
Remote clock offset: 0.257 ms

# Below is generated by plot.py at 2019-07-18 03:19:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 108.498 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 106.640 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 106.973 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 108.594 ms
Loss rate: 5.66%
```

Run 5: Report of Sprout — Data Link

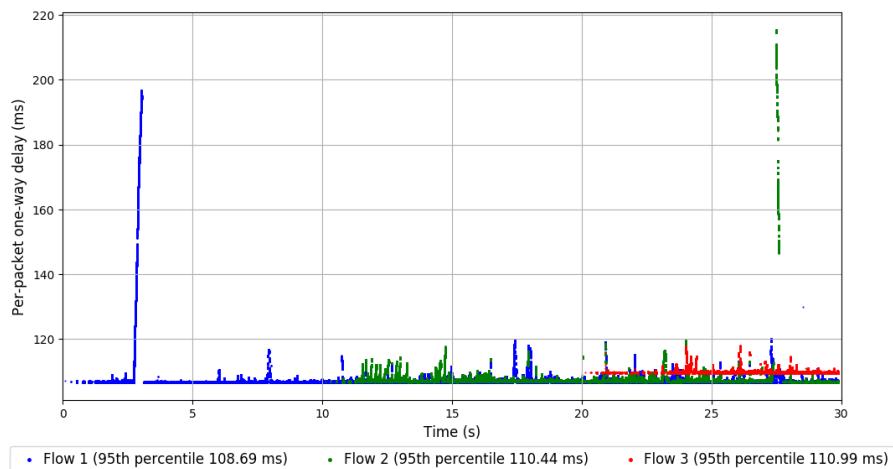
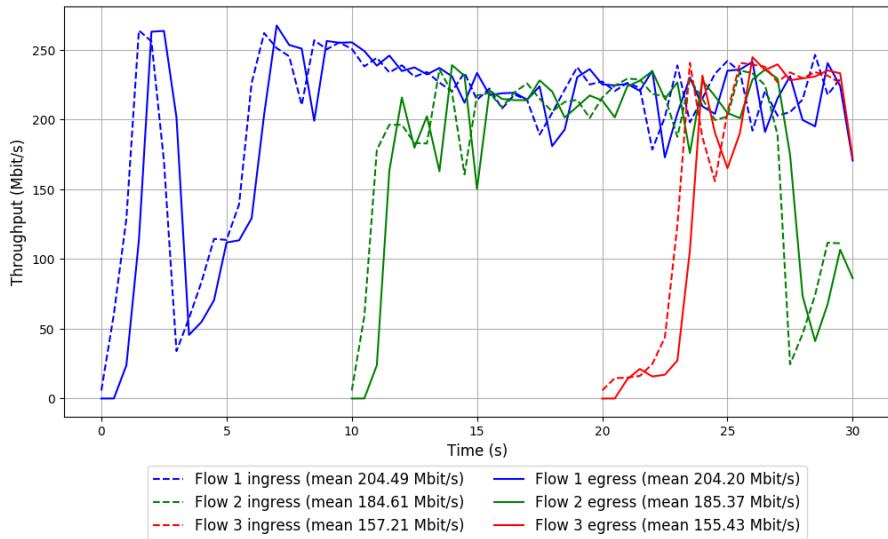


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-17 21:43:20
End at: 2019-07-17 21:43:50
Local clock offset: -0.17 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-07-18 03:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.15 Mbit/s
95th percentile per-packet one-way delay: 110.161 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 204.20 Mbit/s
95th percentile per-packet one-way delay: 108.685 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 185.37 Mbit/s
95th percentile per-packet one-way delay: 110.435 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 155.43 Mbit/s
95th percentile per-packet one-way delay: 110.990 ms
Loss rate: 3.34%
```

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

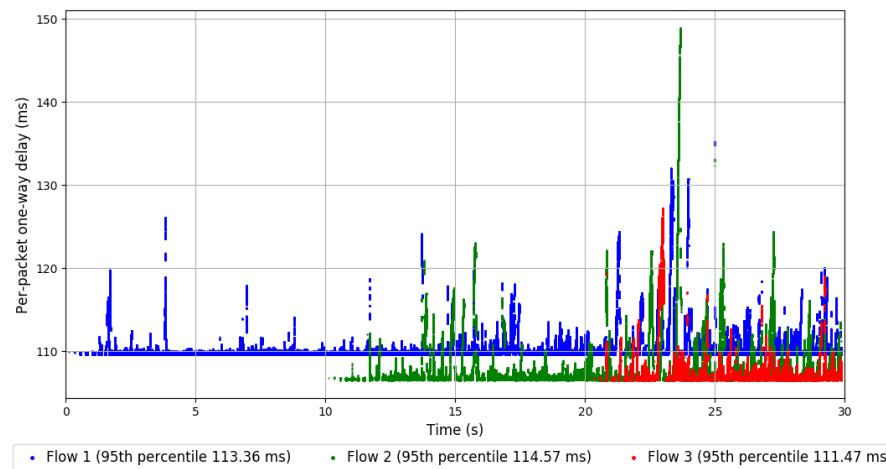
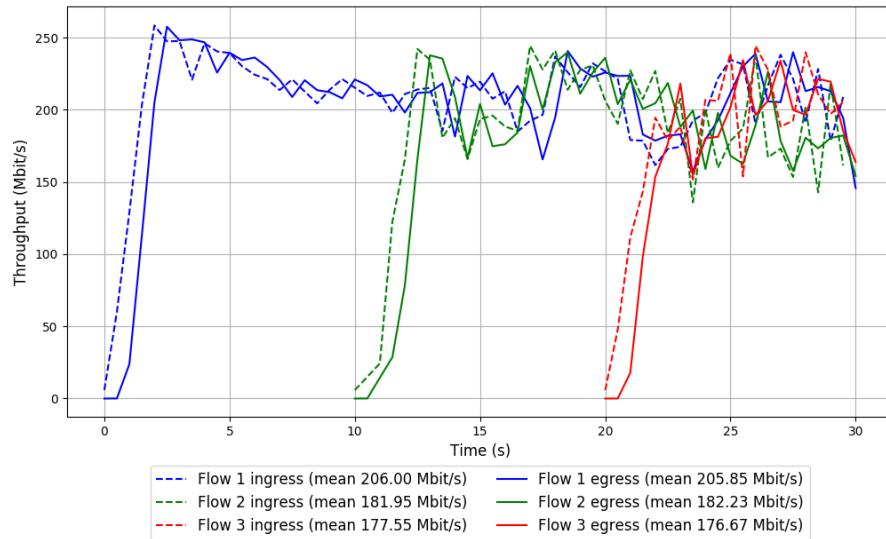


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-17 22:26:46
End at: 2019-07-17 22:27:16
Local clock offset: -0.168 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2019-07-18 03:22:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.60 Mbit/s
95th percentile per-packet one-way delay: 113.597 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 205.85 Mbit/s
95th percentile per-packet one-way delay: 113.359 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 182.23 Mbit/s
95th percentile per-packet one-way delay: 114.574 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 176.67 Mbit/s
95th percentile per-packet one-way delay: 111.468 ms
Loss rate: 2.67%
```

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

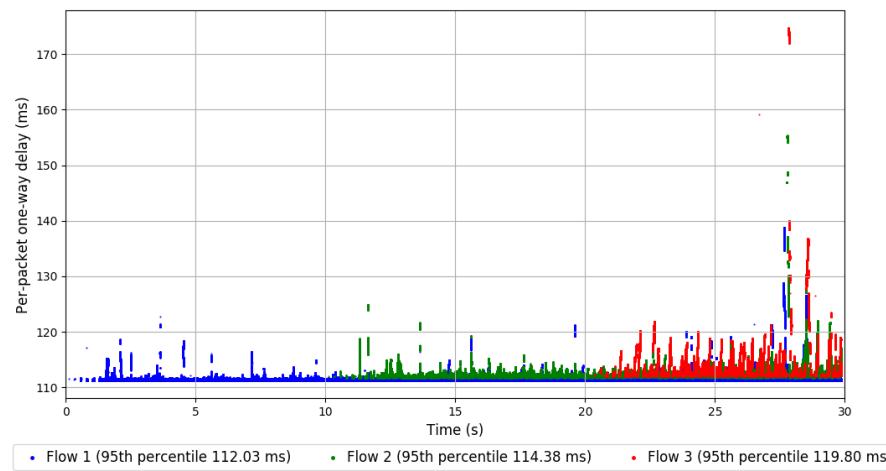
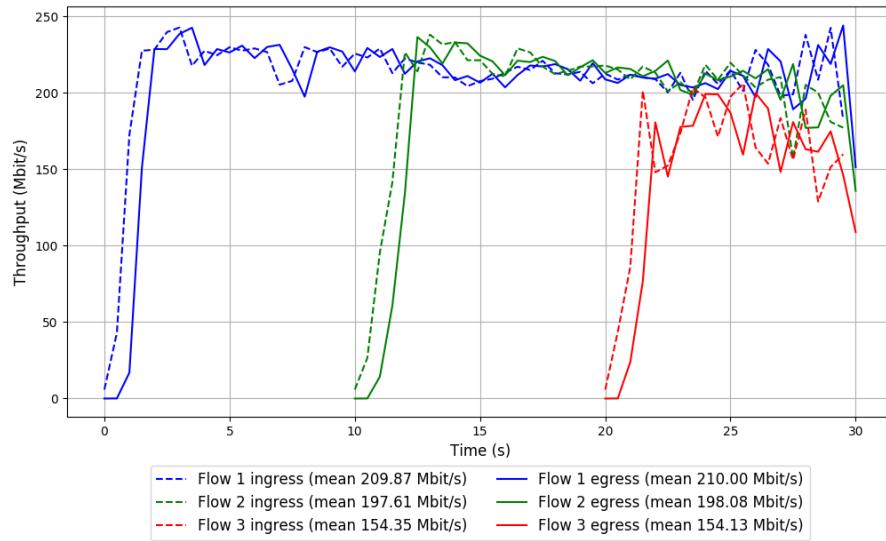


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-17 23:09:32
End at: 2019-07-17 23:10:02
Local clock offset: -0.154 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-07-18 03:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.65 Mbit/s
95th percentile per-packet one-way delay: 114.883 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 210.00 Mbit/s
95th percentile per-packet one-way delay: 112.027 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 198.08 Mbit/s
95th percentile per-packet one-way delay: 114.380 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 154.13 Mbit/s
95th percentile per-packet one-way delay: 119.798 ms
Loss rate: 2.35%
```

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

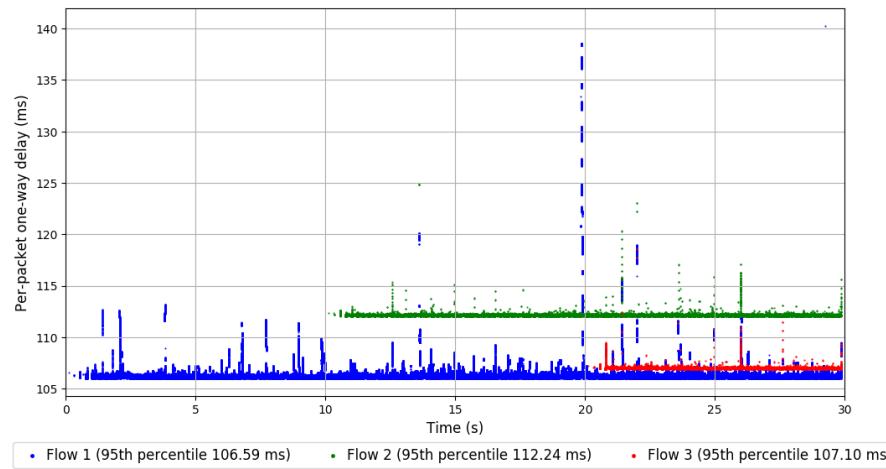
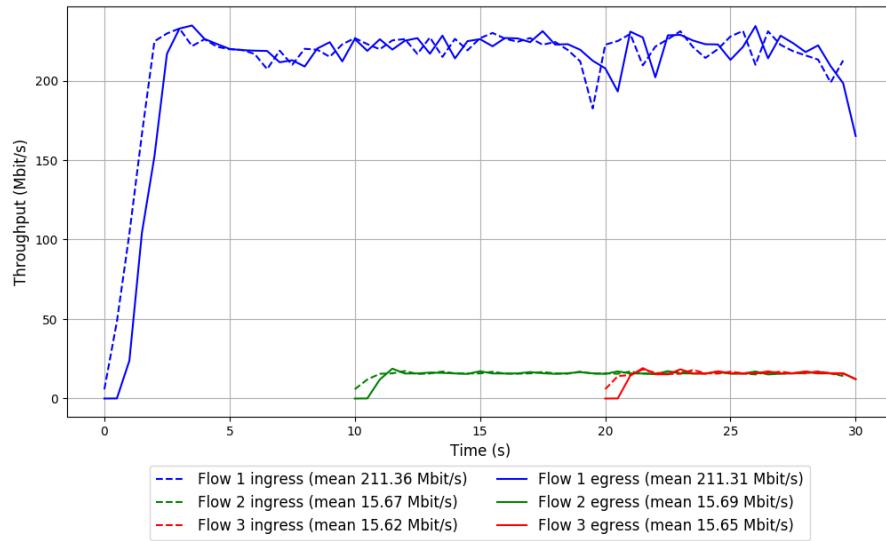


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-17 23:53:08
End at: 2019-07-17 23:53:38
Local clock offset: 0.015 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-07-18 03:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 226.84 Mbit/s
95th percentile per-packet one-way delay: 112.032 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 211.31 Mbit/s
95th percentile per-packet one-way delay: 106.586 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 112.236 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 107.104 ms
Loss rate: 2.05%
```

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

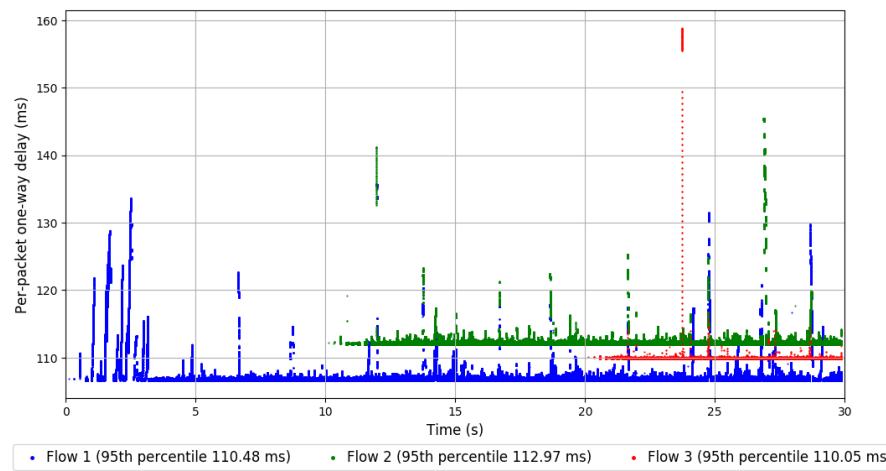
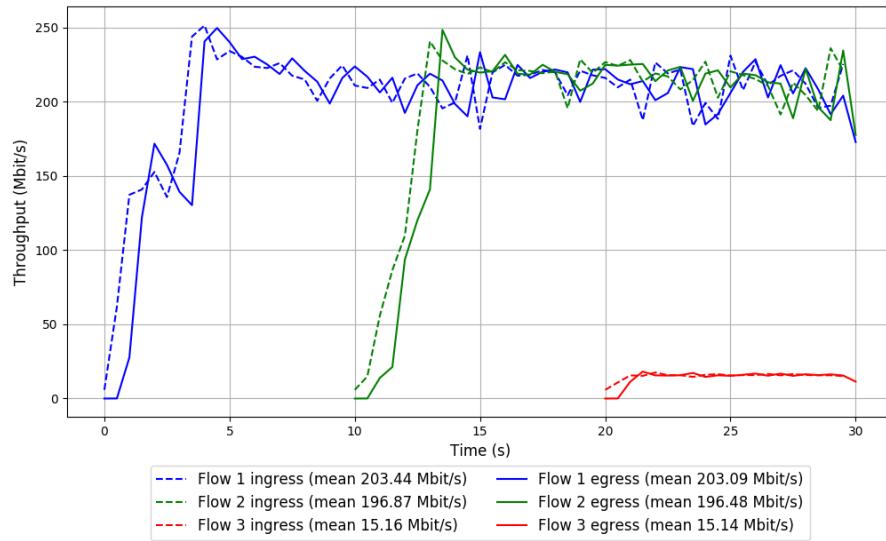


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-18 00:36:29
End at: 2019-07-18 00:36:59
Local clock offset: -0.082 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-07-18 03:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.38 Mbit/s
95th percentile per-packet one-way delay: 112.631 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 203.09 Mbit/s
95th percentile per-packet one-way delay: 110.483 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 196.48 Mbit/s
95th percentile per-packet one-way delay: 112.973 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 110.048 ms
Loss rate: 2.32%
```

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

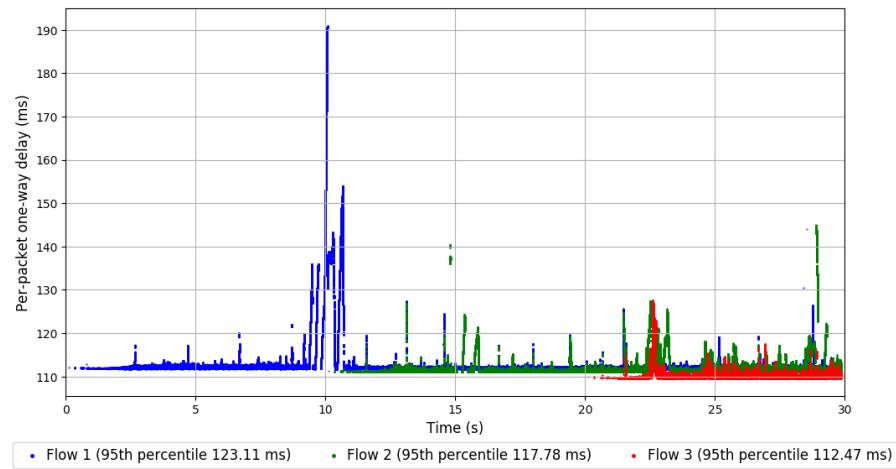
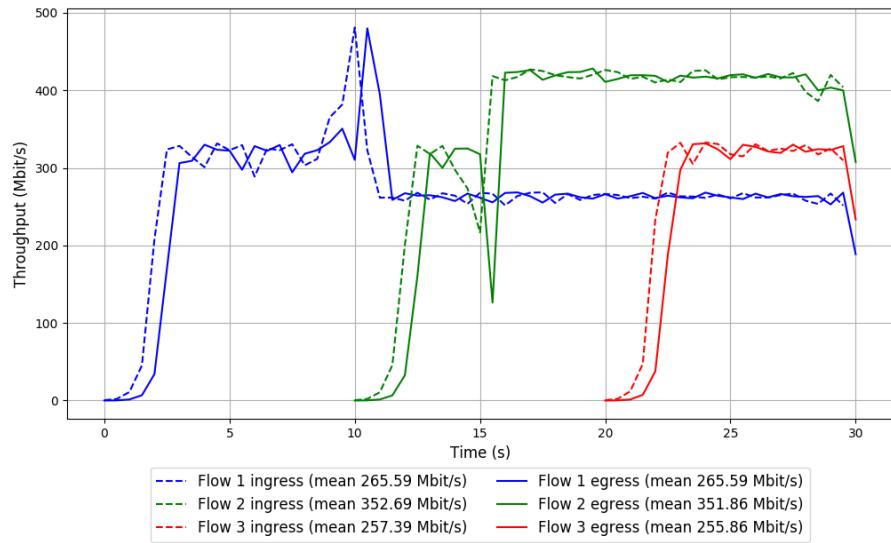


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-17 21:25:56
End at: 2019-07-17 21:26:26
Local clock offset: -0.11 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-07-18 03:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 582.90 Mbit/s
95th percentile per-packet one-way delay: 117.873 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 265.59 Mbit/s
95th percentile per-packet one-way delay: 123.111 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 351.86 Mbit/s
95th percentile per-packet one-way delay: 117.779 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 255.86 Mbit/s
95th percentile per-packet one-way delay: 112.474 ms
Loss rate: 2.77%
```

Run 1: Report of TCP Vegas — Data Link

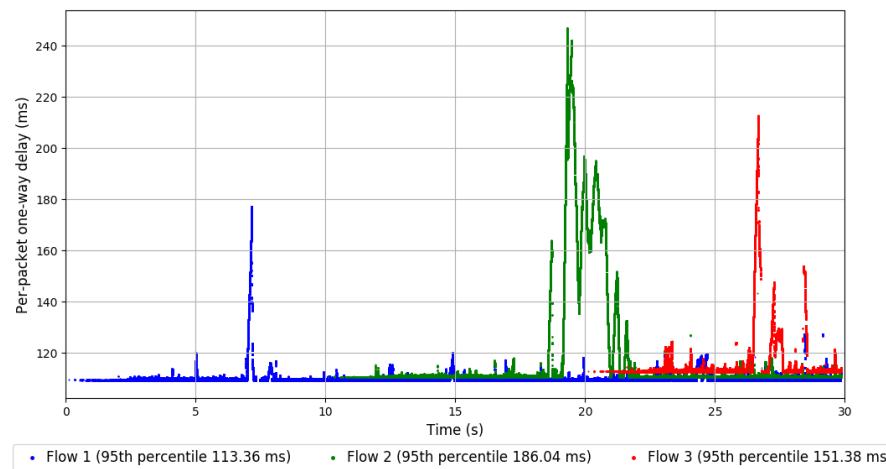
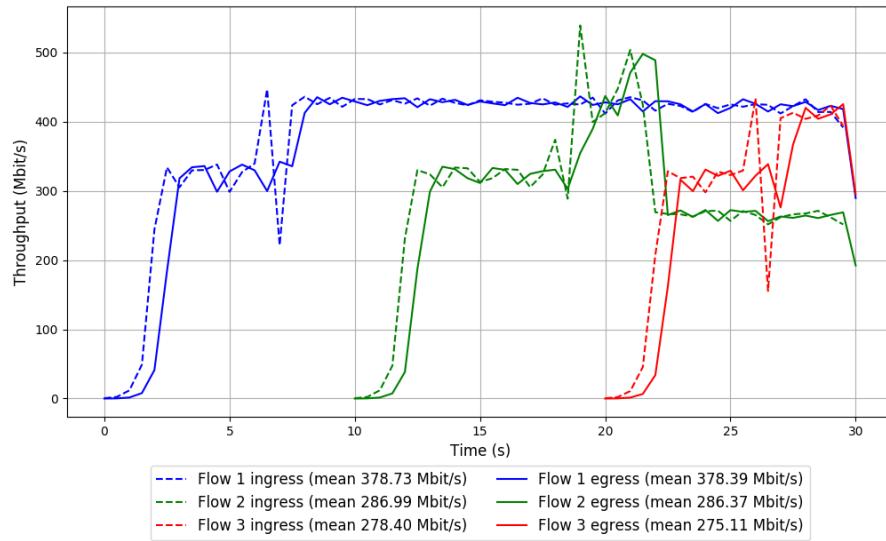


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-17 22:09:41
End at: 2019-07-17 22:10:11
Local clock offset: 0.054 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-07-18 03:31:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.52 Mbit/s
95th percentile per-packet one-way delay: 145.499 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 378.39 Mbit/s
95th percentile per-packet one-way delay: 113.355 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 286.37 Mbit/s
95th percentile per-packet one-way delay: 186.043 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 275.11 Mbit/s
95th percentile per-packet one-way delay: 151.380 ms
Loss rate: 3.39%
```

Run 2: Report of TCP Vegas — Data Link

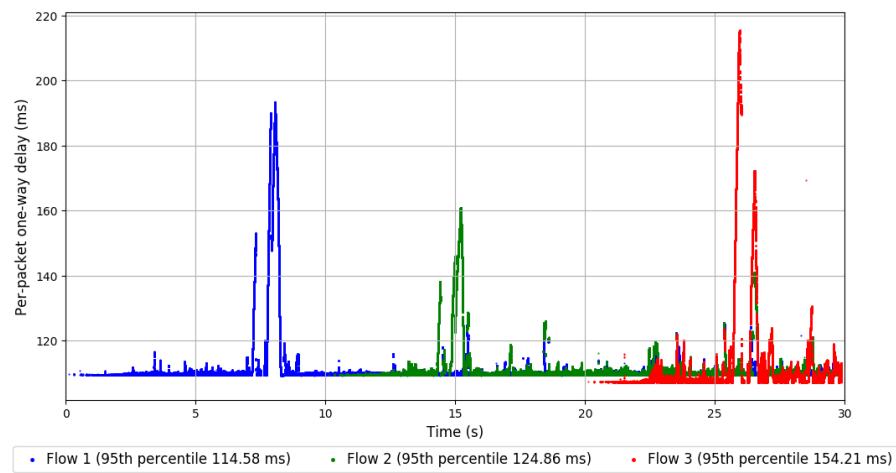
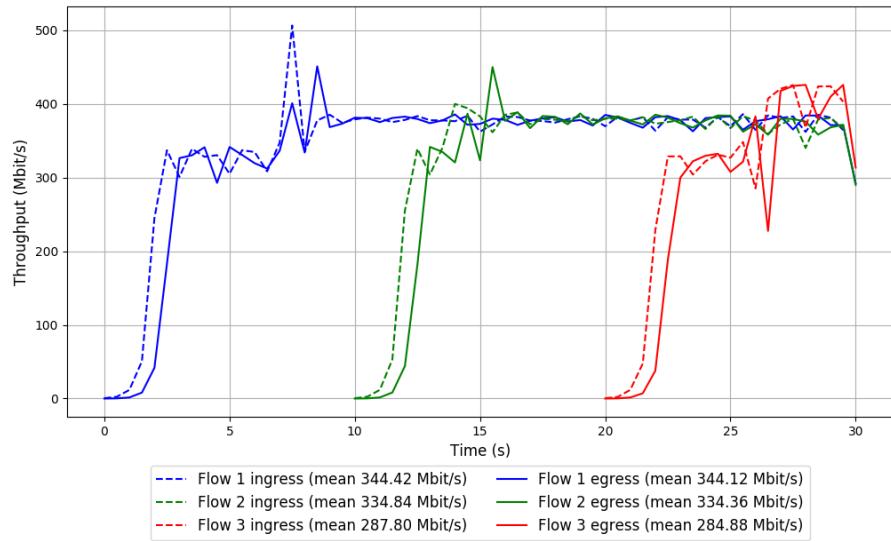


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-17 22:52:22
End at: 2019-07-17 22:52:52
Local clock offset: -0.046 ms
Remote clock offset: -0.436 ms

# Below is generated by plot.py at 2019-07-18 03:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.35 Mbit/s
95th percentile per-packet one-way delay: 122.273 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 344.12 Mbit/s
95th percentile per-packet one-way delay: 114.582 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 334.36 Mbit/s
95th percentile per-packet one-way delay: 124.858 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 284.88 Mbit/s
95th percentile per-packet one-way delay: 154.214 ms
Loss rate: 3.17%
```

Run 3: Report of TCP Vegas — Data Link

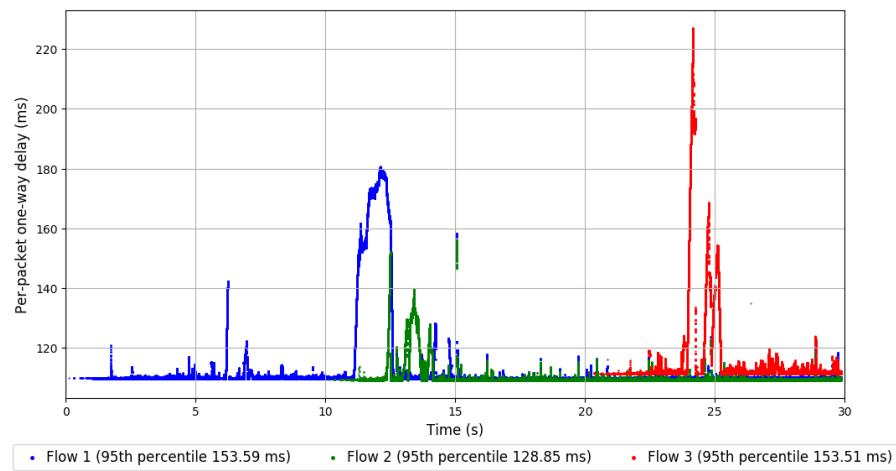
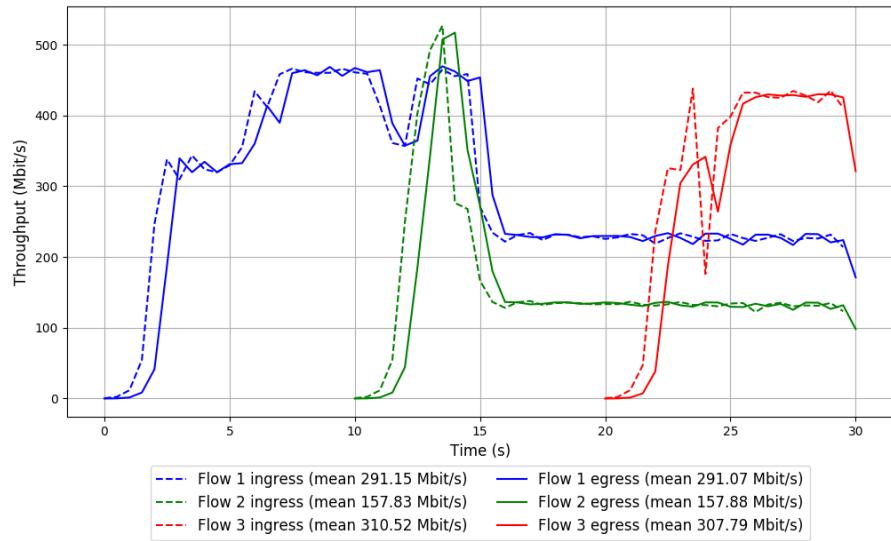


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-17 23:35:56
End at: 2019-07-17 23:36:26
Local clock offset: -0.0 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-07-18 03:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.58 Mbit/s
95th percentile per-packet one-way delay: 141.437 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 291.07 Mbit/s
95th percentile per-packet one-way delay: 153.594 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 128.853 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 307.79 Mbit/s
95th percentile per-packet one-way delay: 153.511 ms
Loss rate: 3.05%
```

Run 4: Report of TCP Vegas — Data Link

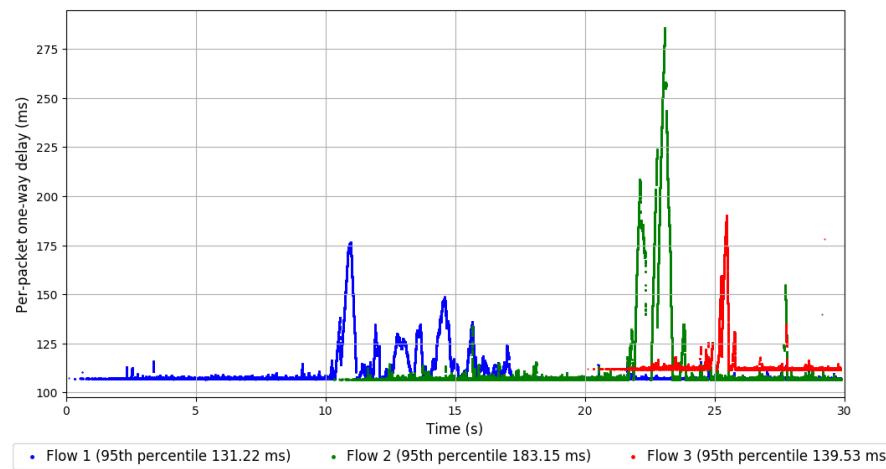
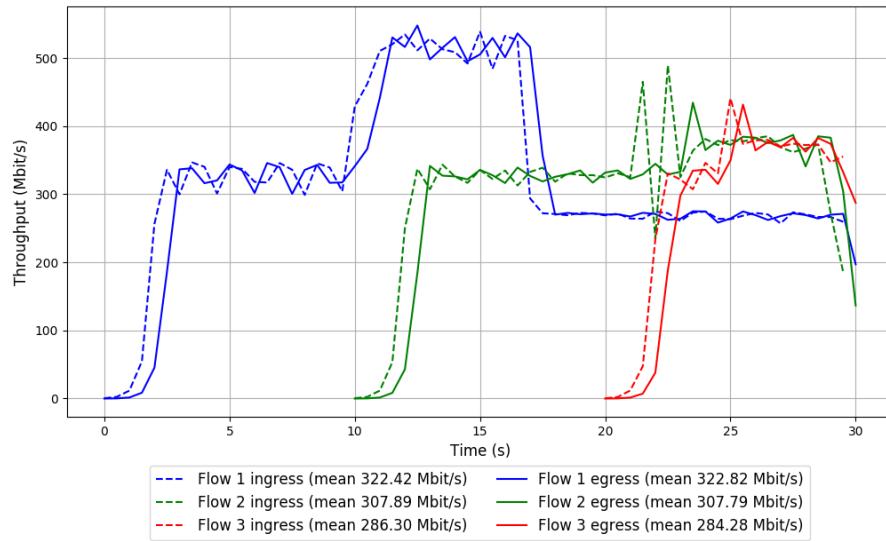


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-18 00:19:06
End at: 2019-07-18 00:19:36
Local clock offset: -0.118 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2019-07-18 03:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 620.06 Mbit/s
95th percentile per-packet one-way delay: 137.936 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 322.82 Mbit/s
95th percentile per-packet one-way delay: 131.223 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 307.79 Mbit/s
95th percentile per-packet one-way delay: 183.146 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 284.28 Mbit/s
95th percentile per-packet one-way delay: 139.529 ms
Loss rate: 2.90%
```

Run 5: Report of TCP Vegas — Data Link

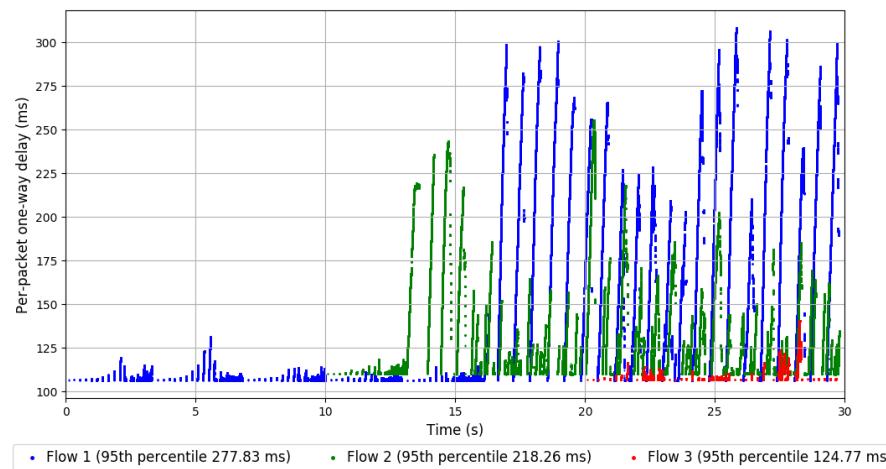
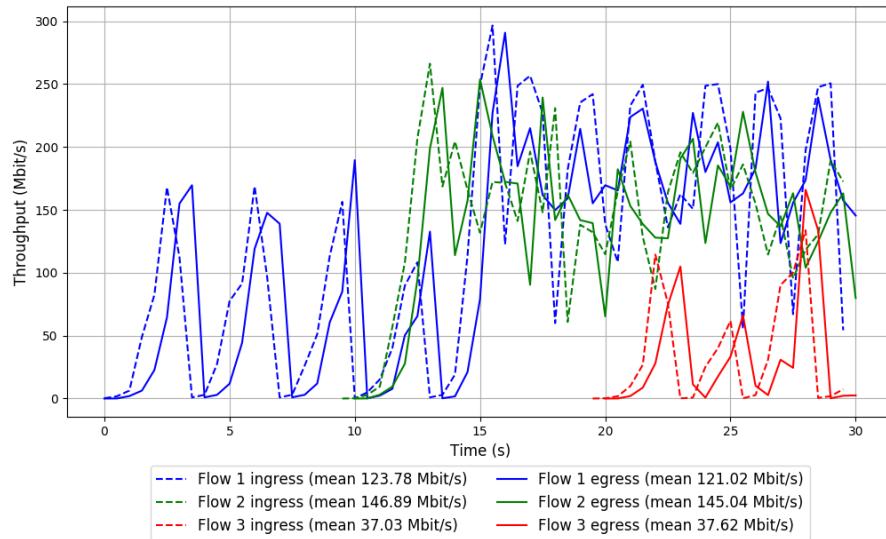


Run 1: Statistics of Verus

```
Start at: 2019-07-17 21:12:01
End at: 2019-07-17 21:12:31
Local clock offset: 0.021 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-07-18 03:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.32 Mbit/s
95th percentile per-packet one-way delay: 263.644 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 121.02 Mbit/s
95th percentile per-packet one-way delay: 277.826 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 145.04 Mbit/s
95th percentile per-packet one-way delay: 218.258 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 124.768 ms
Loss rate: 0.68%
```

Run 1: Report of Verus — Data Link

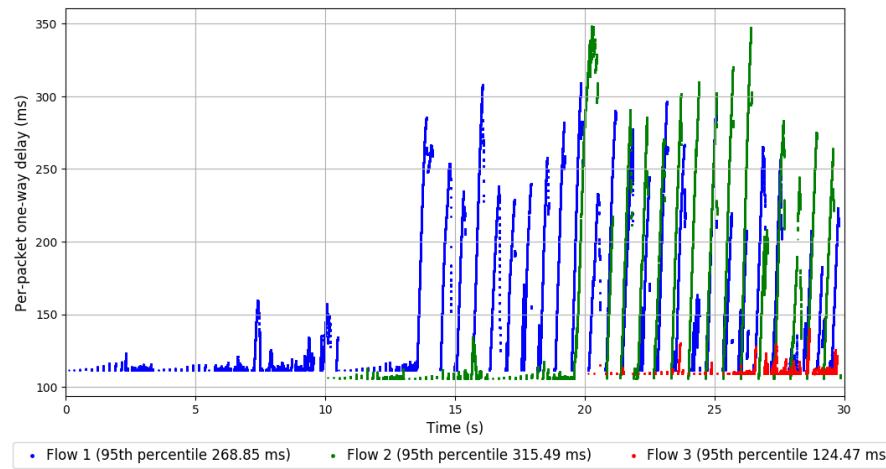
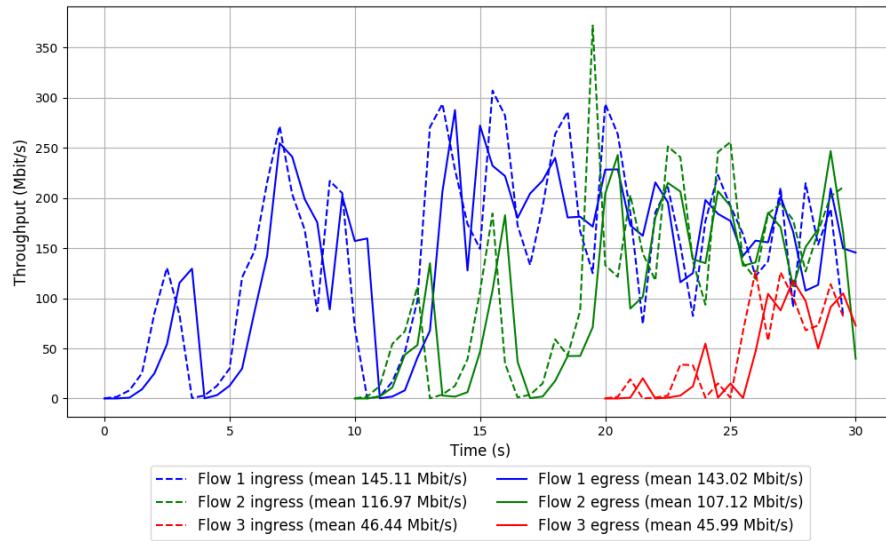


Run 2: Statistics of Verus

```
Start at: 2019-07-17 21:55:40
End at: 2019-07-17 21:56:10
Local clock offset: -0.187 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2019-07-18 03:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.57 Mbit/s
95th percentile per-packet one-way delay: 283.441 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 143.02 Mbit/s
95th percentile per-packet one-way delay: 268.852 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 107.12 Mbit/s
95th percentile per-packet one-way delay: 315.490 ms
Loss rate: 9.53%
-- Flow 3:
Average throughput: 45.99 Mbit/s
95th percentile per-packet one-way delay: 124.474 ms
Loss rate: 4.67%
```

Run 2: Report of Verus — Data Link

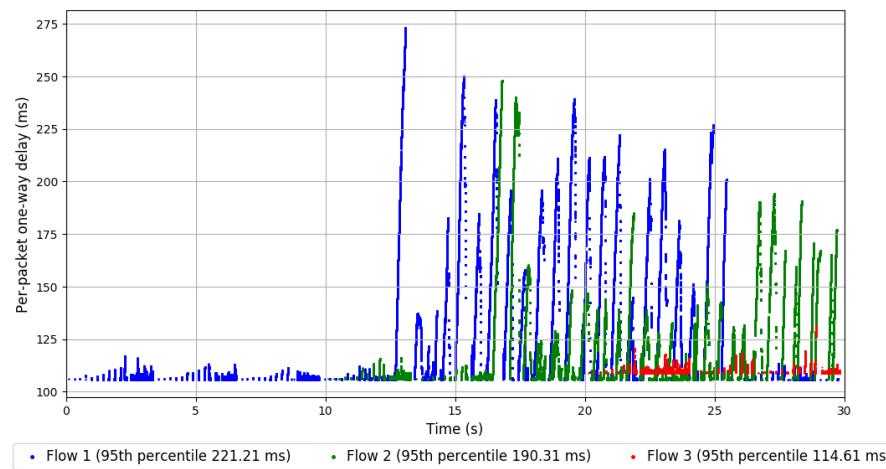
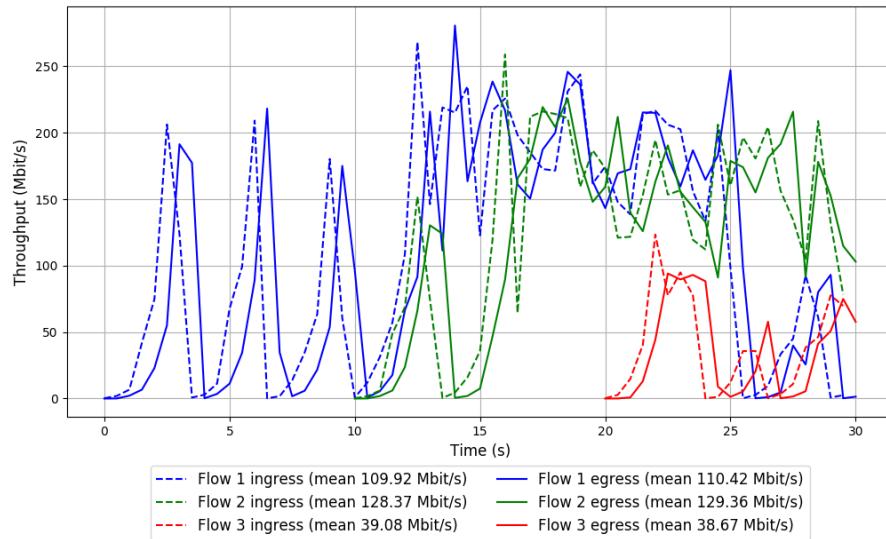


Run 3: Statistics of Verus

```
Start at: 2019-07-17 22:38:59
End at: 2019-07-17 22:39:29
Local clock offset: -0.99 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-07-18 03:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.95 Mbit/s
95th percentile per-packet one-way delay: 213.312 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 110.42 Mbit/s
95th percentile per-packet one-way delay: 221.206 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 129.36 Mbit/s
95th percentile per-packet one-way delay: 190.308 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 114.606 ms
Loss rate: 1.93%
```

Run 3: Report of Verus — Data Link

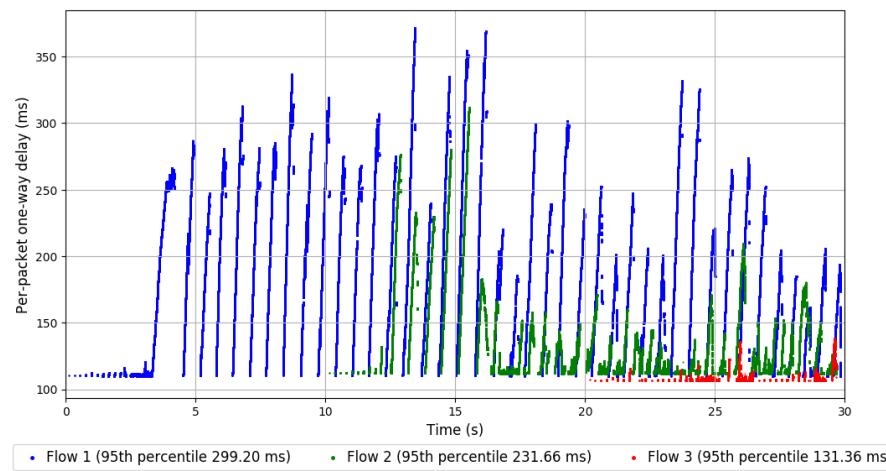
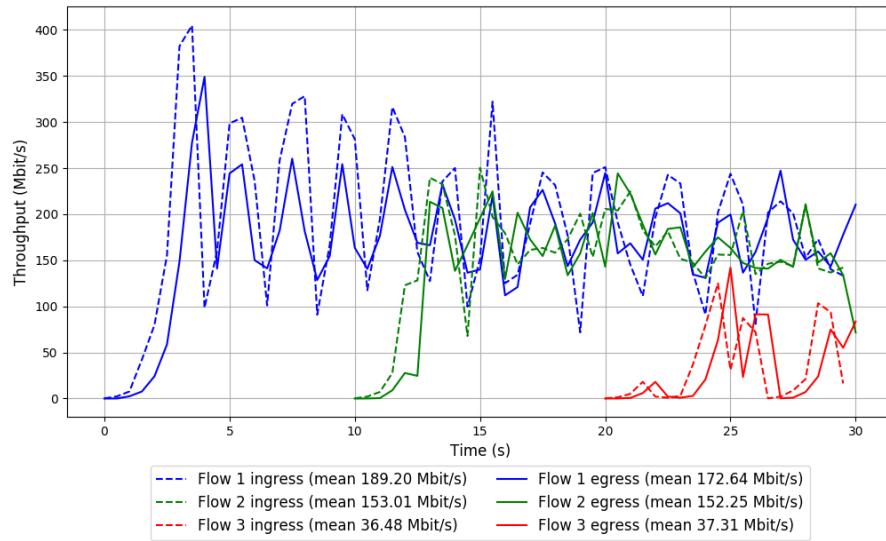


Run 4: Statistics of Verus

```
Start at: 2019-07-17 23:21:44
End at: 2019-07-17 23:22:14
Local clock offset: -0.007 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2019-07-18 03:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.66 Mbit/s
95th percentile per-packet one-way delay: 286.361 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 172.64 Mbit/s
95th percentile per-packet one-way delay: 299.200 ms
Loss rate: 8.76%
-- Flow 2:
Average throughput: 152.25 Mbit/s
95th percentile per-packet one-way delay: 231.665 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 131.358 ms
Loss rate: 0.01%
```

Run 4: Report of Verus — Data Link

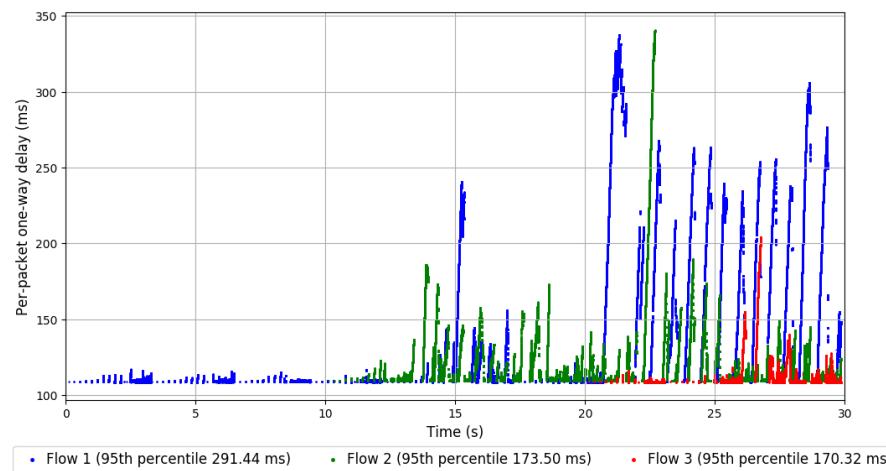
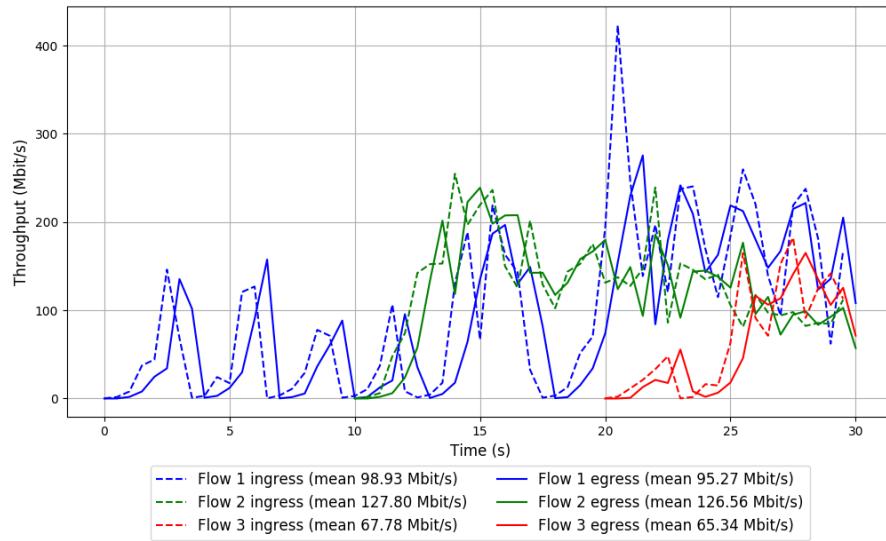


Run 5: Statistics of Verus

```
Start at: 2019-07-18 00:05:11
End at: 2019-07-18 00:05:41
Local clock offset: -0.417 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-07-18 03:35:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.56 Mbit/s
95th percentile per-packet one-way delay: 259.329 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 291.440 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 126.56 Mbit/s
95th percentile per-packet one-way delay: 173.501 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 170.323 ms
Loss rate: 5.71%
```

Run 5: Report of Verus — Data Link

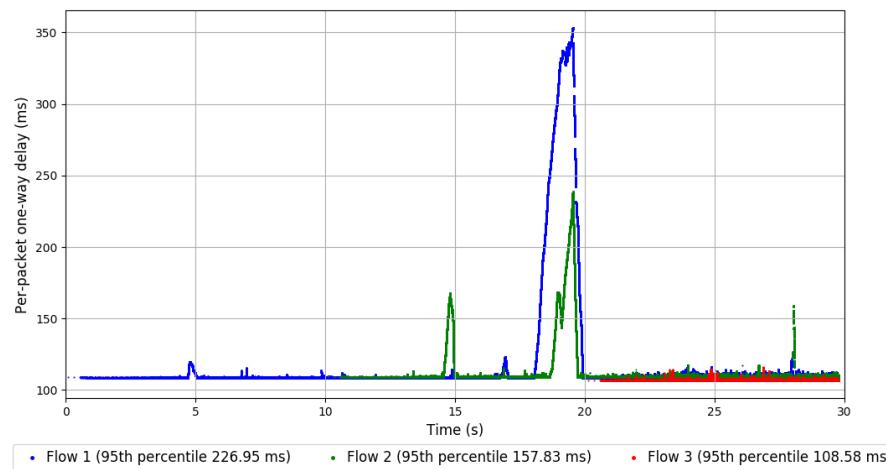
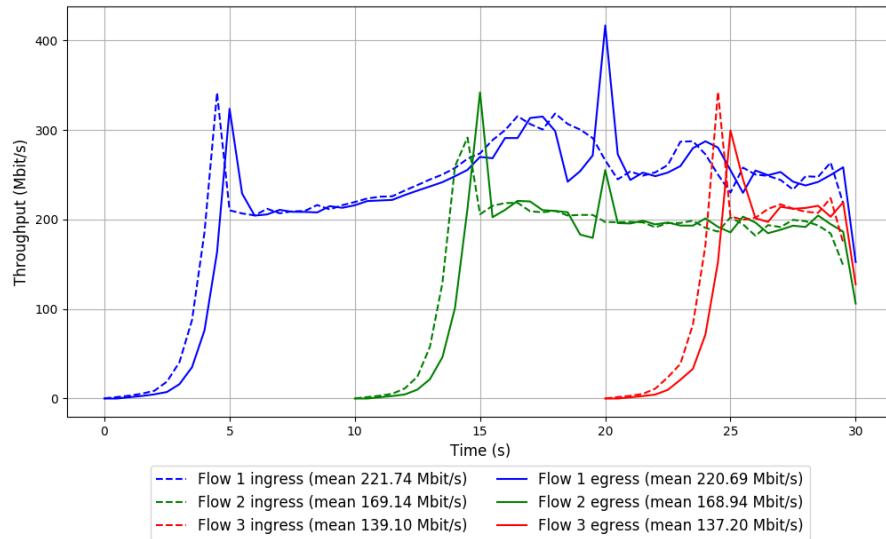


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-17 21:15:01
End at: 2019-07-17 21:15:31
Local clock offset: -0.105 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-07-18 03:36:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.14 Mbit/s
95th percentile per-packet one-way delay: 164.817 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 220.69 Mbit/s
95th percentile per-packet one-way delay: 226.947 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 168.94 Mbit/s
95th percentile per-packet one-way delay: 157.829 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 137.20 Mbit/s
95th percentile per-packet one-way delay: 108.581 ms
Loss rate: 3.54%
```

Run 1: Report of PCC-Vivace — Data Link

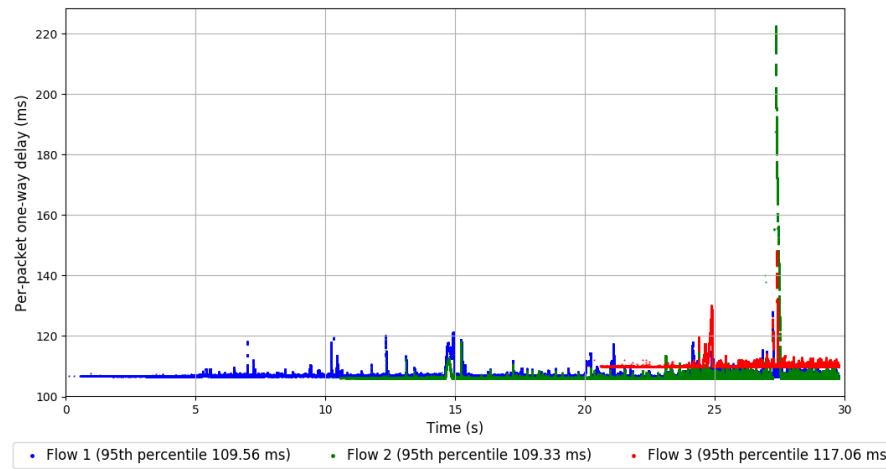
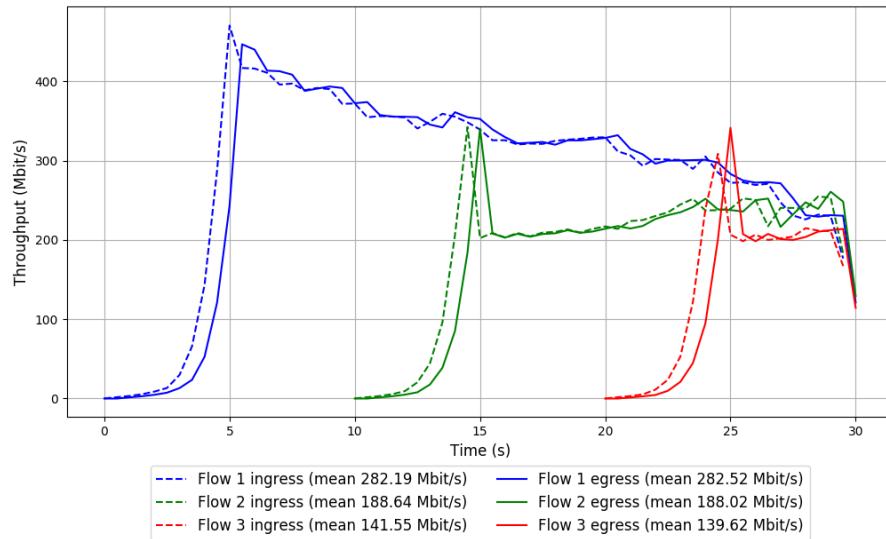


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-17 21:58:40
End at: 2019-07-17 21:59:10
Local clock offset: -0.123 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-07-18 03:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.40 Mbit/s
95th percentile per-packet one-way delay: 110.974 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 282.52 Mbit/s
95th percentile per-packet one-way delay: 109.561 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 188.02 Mbit/s
95th percentile per-packet one-way delay: 109.334 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 139.62 Mbit/s
95th percentile per-packet one-way delay: 117.063 ms
Loss rate: 3.56%
```

Run 2: Report of PCC-Vivace — Data Link

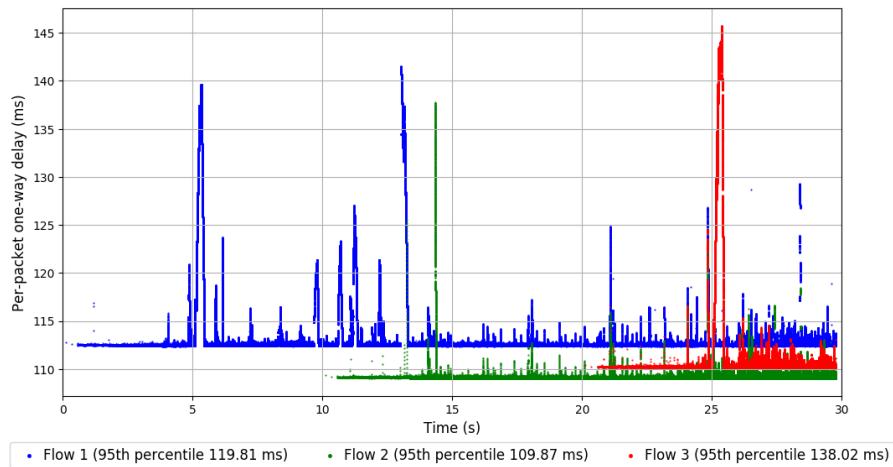
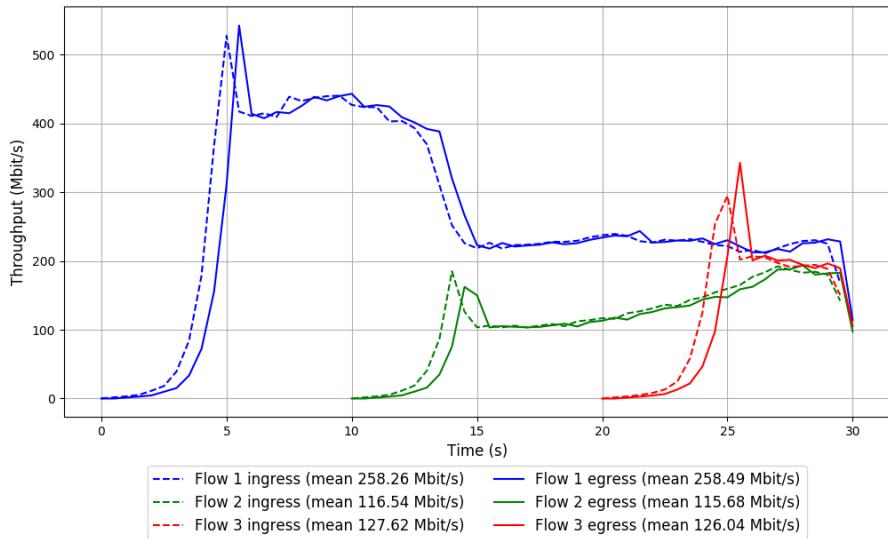


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-17 22:41:56
End at: 2019-07-17 22:42:26
Local clock offset: 0.05 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2019-07-18 03:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 118.548 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 258.49 Mbit/s
95th percentile per-packet one-way delay: 119.809 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 115.68 Mbit/s
95th percentile per-packet one-way delay: 109.867 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 126.04 Mbit/s
95th percentile per-packet one-way delay: 138.020 ms
Loss rate: 3.42%
```

Run 3: Report of PCC-Vivace — Data Link

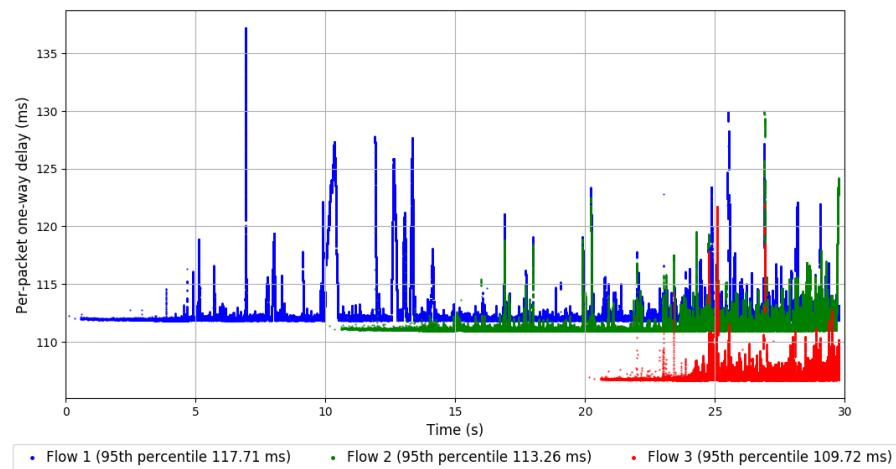
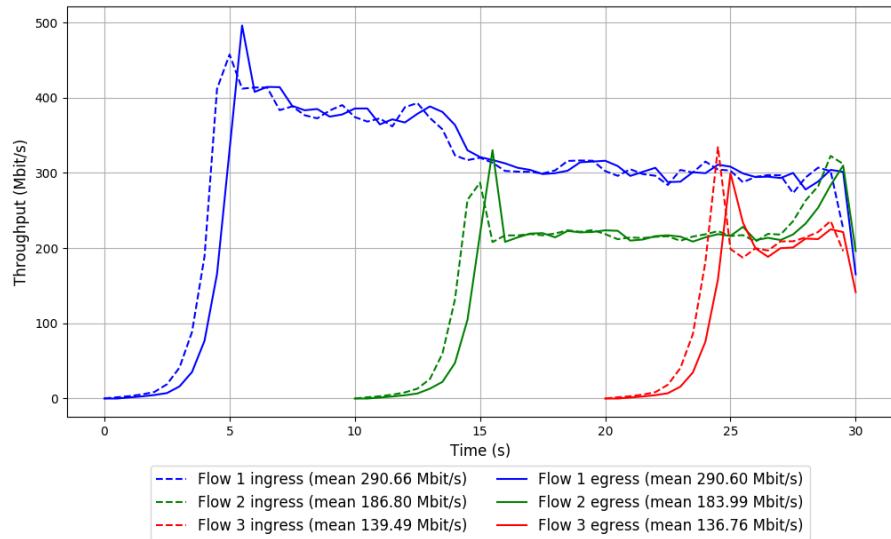


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-17 23:24:51
End at: 2019-07-17 23:25:21
Local clock offset: -0.124 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.82 Mbit/s
95th percentile per-packet one-way delay: 115.713 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 290.60 Mbit/s
95th percentile per-packet one-way delay: 117.712 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 183.99 Mbit/s
95th percentile per-packet one-way delay: 113.256 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 136.76 Mbit/s
95th percentile per-packet one-way delay: 109.725 ms
Loss rate: 4.10%
```

Run 4: Report of PCC-Vivace — Data Link

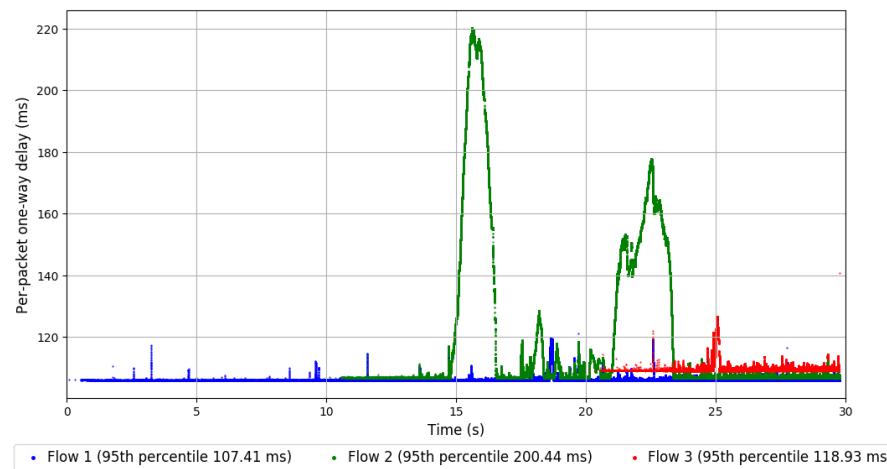
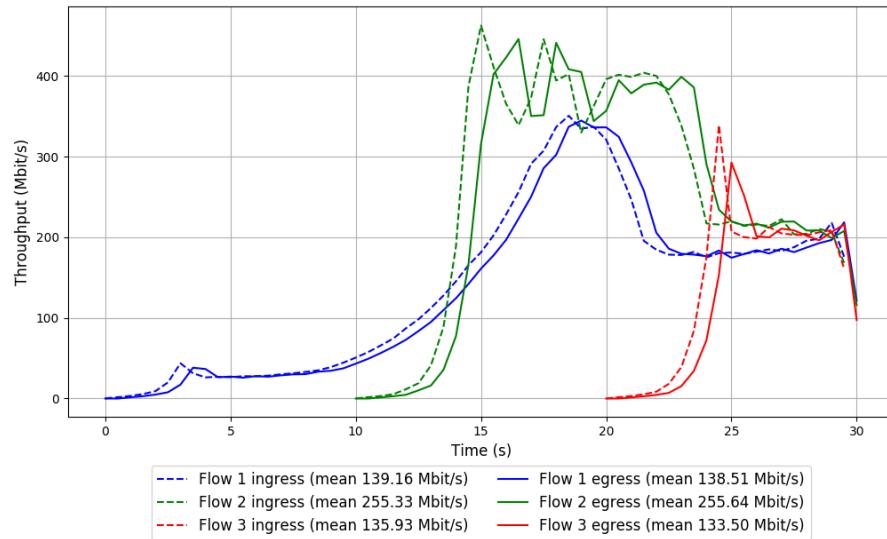


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-18 00:08:08
End at: 2019-07-18 00:08:38
Local clock offset: -0.161 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.23 Mbit/s
95th percentile per-packet one-way delay: 167.975 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 138.51 Mbit/s
95th percentile per-packet one-way delay: 107.410 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 255.64 Mbit/s
95th percentile per-packet one-way delay: 200.438 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 133.50 Mbit/s
95th percentile per-packet one-way delay: 118.926 ms
Loss rate: 3.93%
```

Run 5: Report of PCC-Vivace — Data Link

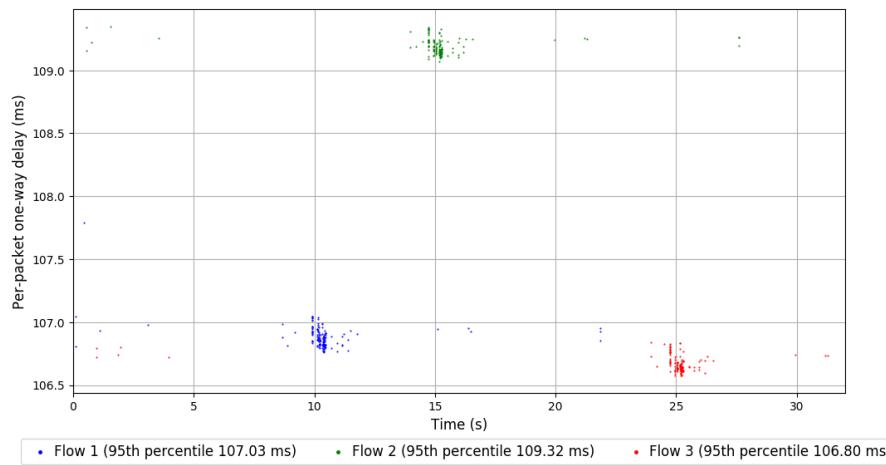
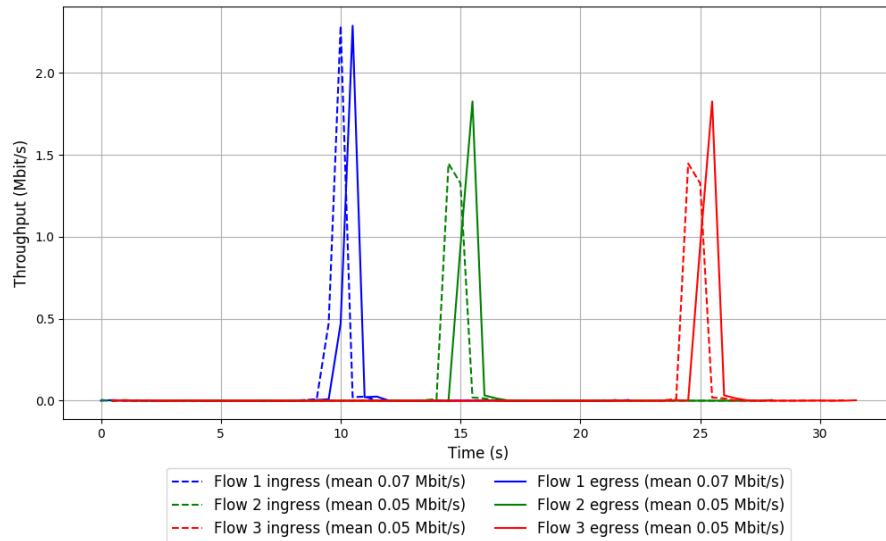


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-17 21:34:17
End at: 2019-07-17 21:34:47
Local clock offset: -0.105 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 107.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.800 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

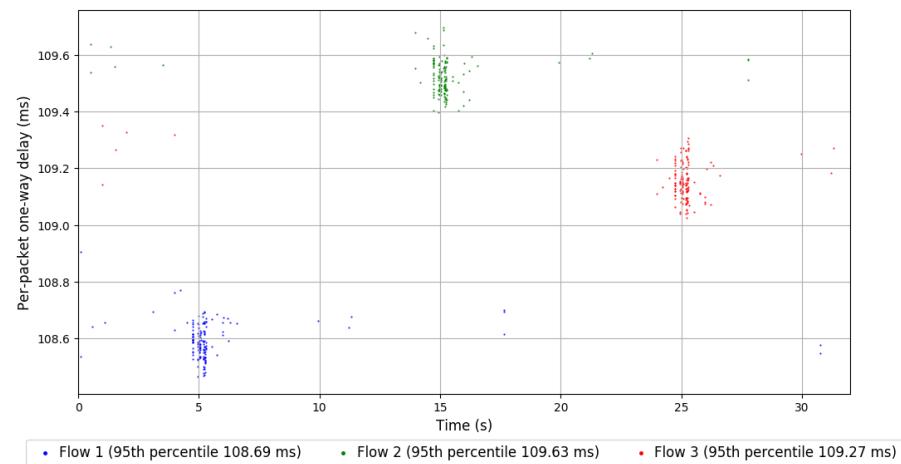
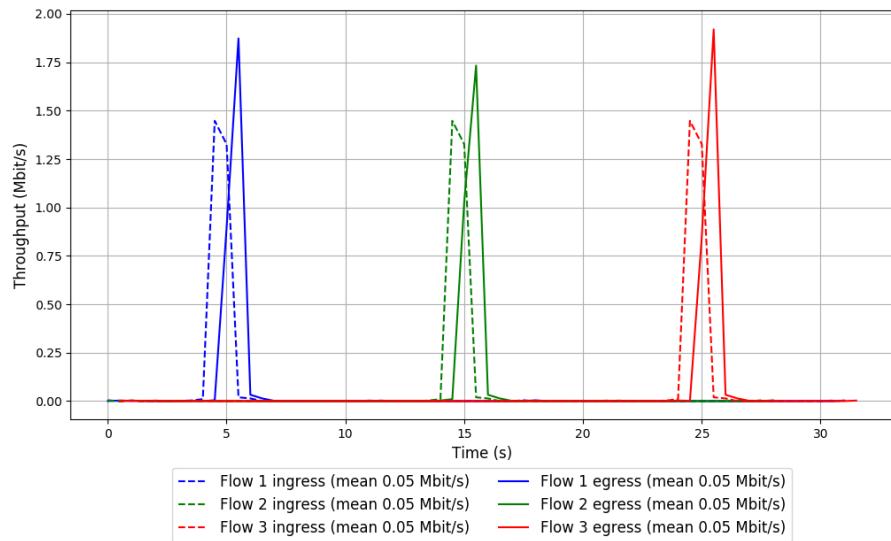


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-17 22:17:55
End at: 2019-07-17 22:18:25
Local clock offset: -0.753 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.688 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.273 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

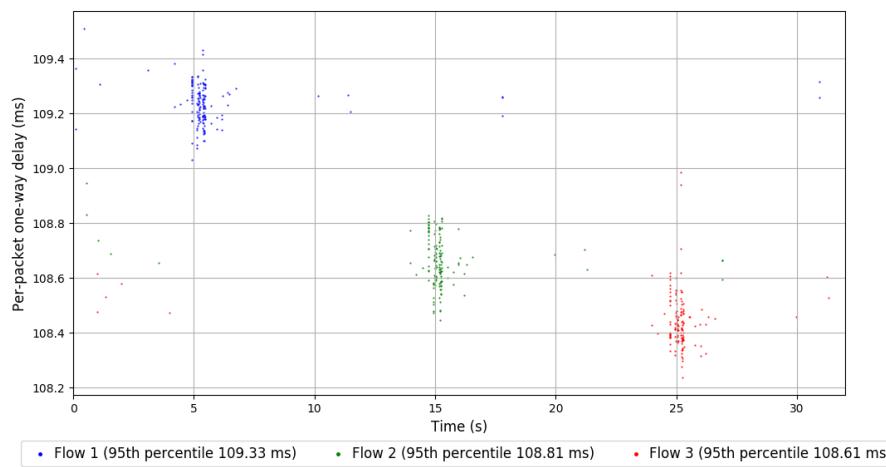
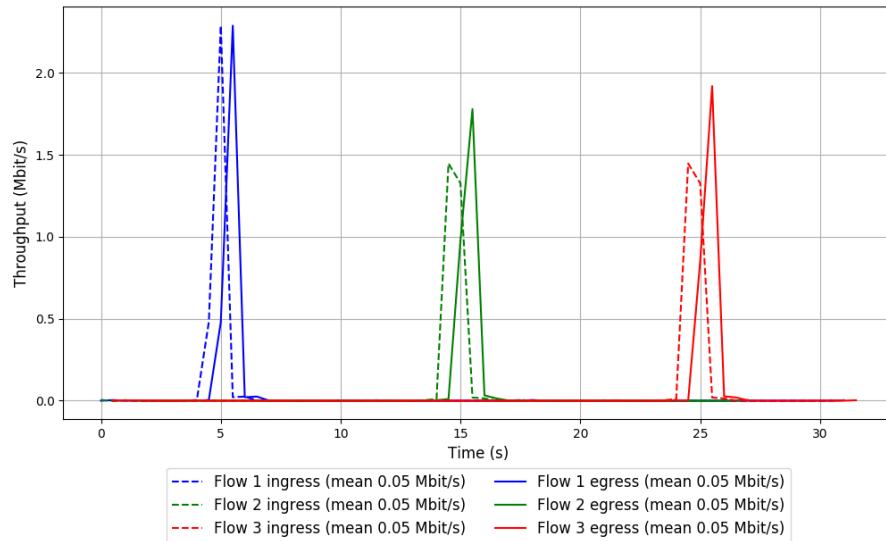


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-17 23:00:37
End at: 2019-07-17 23:01:07
Local clock offset: -0.613 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.607 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

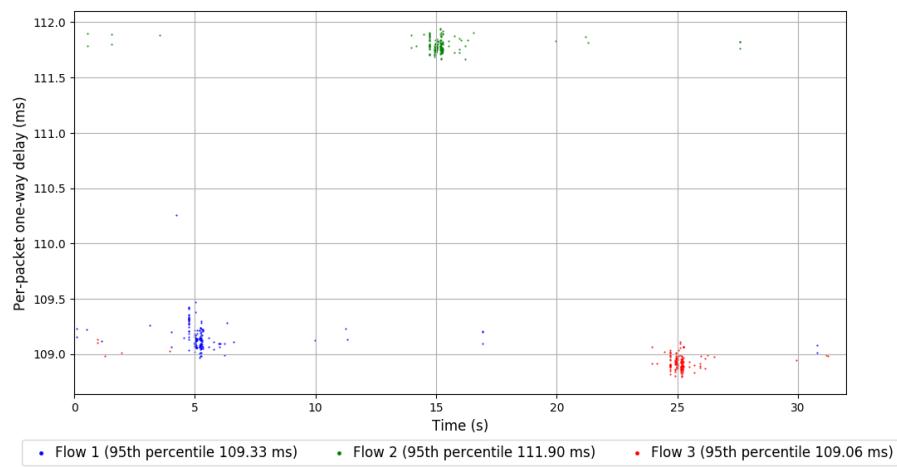
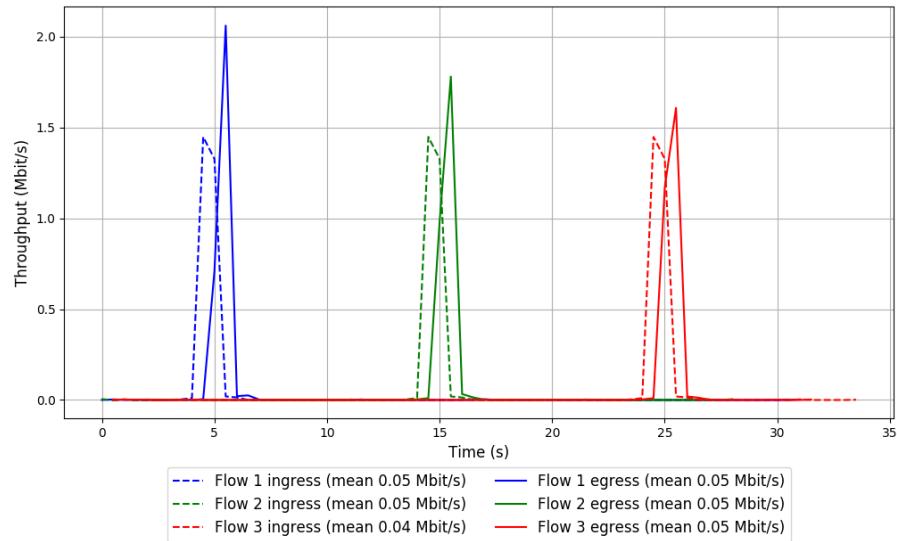


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-17 23:44:11
End at: 2019-07-17 23:44:41
Local clock offset: 0.019 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 111.870 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 111.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.061 ms
Loss rate: 0.05%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-18 00:27:27
End at: 2019-07-18 00:27:57
Local clock offset: -0.635 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2019-07-18 03:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.595 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

