

Pantheon Report

Generated at 2019-08-27 03:52:26 (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:

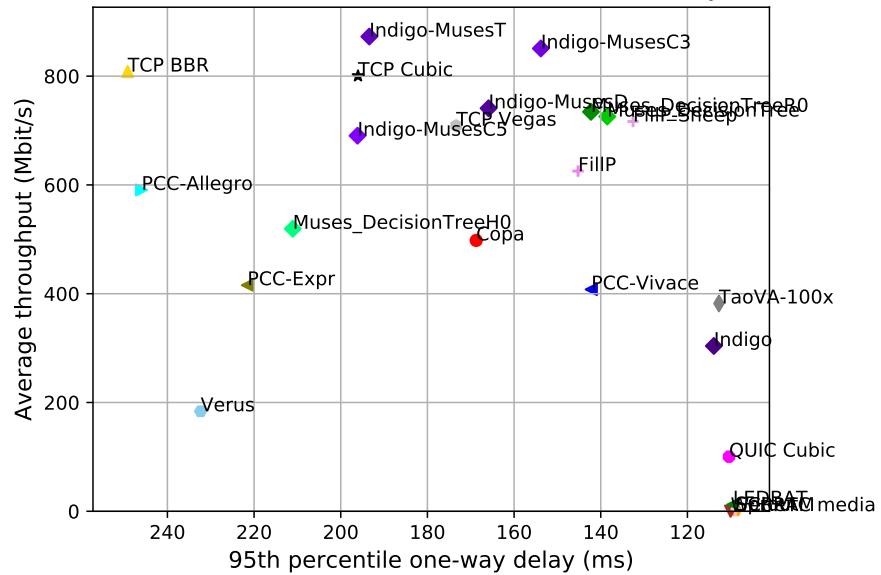
```
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

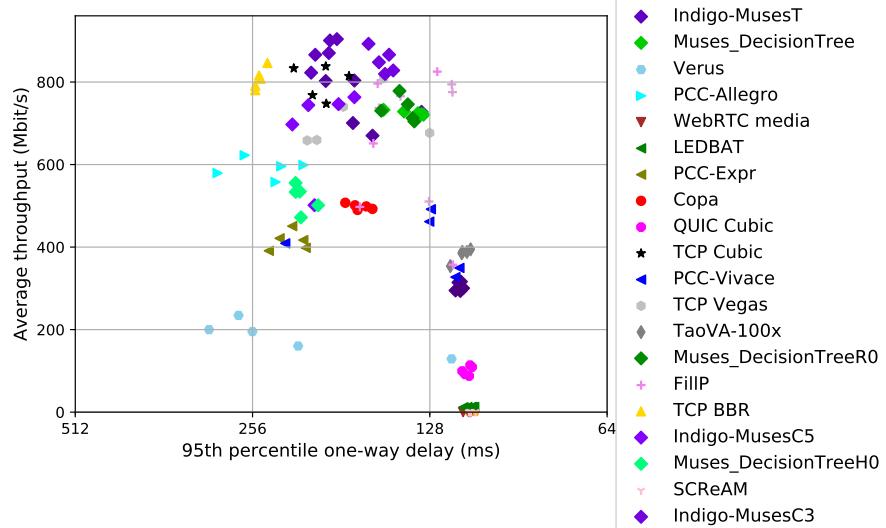
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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



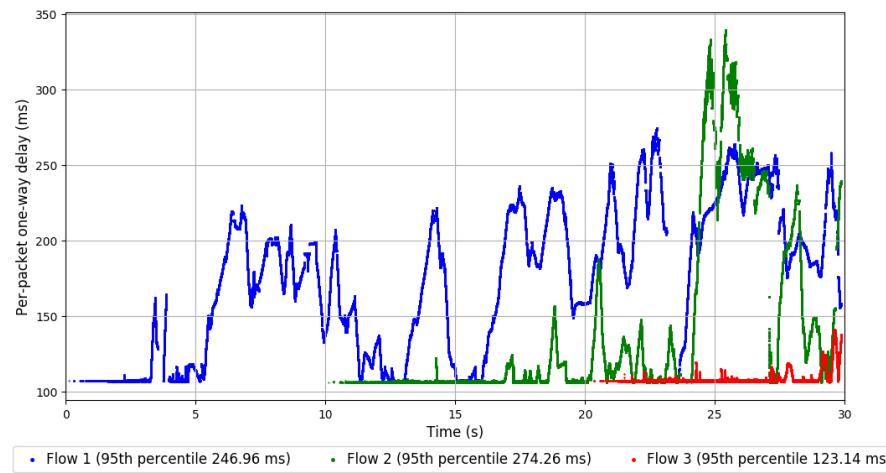
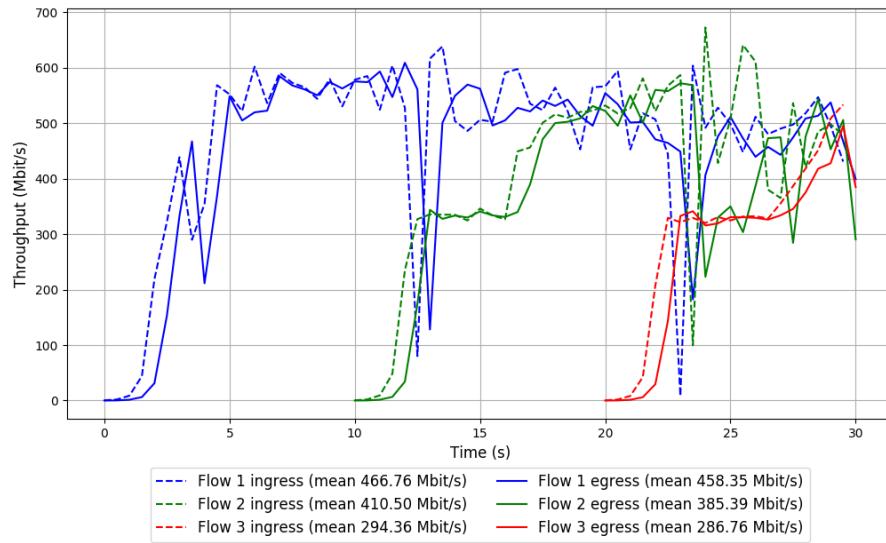
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	455.30	377.88	312.42	235.80	258.86	204.11	3.56	5.21	5.35
Copa		272.36	239.75	203.15	156.33	158.18	198.28	0.67	1.16	2.95
TCP Cubic		445.36	383.82	306.42	176.52	205.34	179.42	0.88	1.45	3.78
FillP		324.97	340.60	229.37	154.00	113.43	113.33	1.55	0.97	2.59
FillP-Sheep		427.76	316.02	243.57	140.37	112.68	113.38	0.73	0.91	2.53
Indigo		159.44	151.86	134.65	112.09	115.58	113.48	0.77	1.22	2.71
Indigo-MusesC3		499.87	422.98	303.21	154.49	150.26	130.91	0.66	1.11	3.96
Indigo-MusesC5		438.15	344.92	117.41	183.56	189.39	133.76	0.54	2.07	6.23
Indigo-MusesD		451.05	399.76	130.92	172.26	143.66	107.75	0.50	1.07	4.08
Indigo-MusesT		513.87	445.14	282.03	204.15	181.30	148.87	0.97	1.23	4.15
LEDBAT		8.01	5.31	2.57	109.42	107.91	109.11	1.45	2.17	4.38
Muses_DecisionTree		433.65	353.37	187.13	141.31	131.42	116.45	0.65	1.05	3.37
Muses_DecisionTreeH0		281.79	259.12	212.51	211.05	215.40	141.13	5.60	2.37	4.78
Muses_DecisionTreeR0		432.94	363.25	195.29	143.96	151.75	114.19	0.68	1.05	3.83
PCC-Allegro		331.11	281.18	226.54	227.03	236.64	268.46	5.82	3.84	6.36
PCC-Expr		238.02	192.51	154.02	225.74	176.14	217.40	2.30	2.22	4.38
QUIC Cubic		58.54	50.27	24.88	109.74	108.00	108.89	1.02	1.74	2.64
SCReAM		0.22	0.22	0.22	107.90	107.94	107.35	0.64	1.08	2.15
Sprout		0.99	0.53	0.82	107.93	108.57	108.01	0.72	1.27	1.63
TaoVA-100x		198.37	192.27	171.83	110.65	112.08	117.58	0.75	1.06	2.50
TCP Vegas		358.69	379.18	300.65	136.60	173.19	196.72	0.82	1.25	3.44
Verus		107.69	81.31	70.21	240.23	153.29	171.78	5.26	0.48	5.26
PCC-Vivace		227.77	203.80	138.55	162.06	113.40	127.79	1.33	1.12	3.69
WebRTC media		0.05	0.05	0.05	109.32	107.80	107.97	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2019-08-26 21:30:29
End at: 2019-08-26 21:30:59
Local clock offset: 0.086 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-08-27 01:15:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 807.99 Mbit/s
95th percentile per-packet one-way delay: 248.088 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 458.35 Mbit/s
95th percentile per-packet one-way delay: 246.963 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 385.39 Mbit/s
95th percentile per-packet one-way delay: 274.263 ms
Loss rate: 7.13%
-- Flow 3:
Average throughput: 286.76 Mbit/s
95th percentile per-packet one-way delay: 123.144 ms
Loss rate: 4.70%
```

Run 1: Report of TCP BBR — Data Link

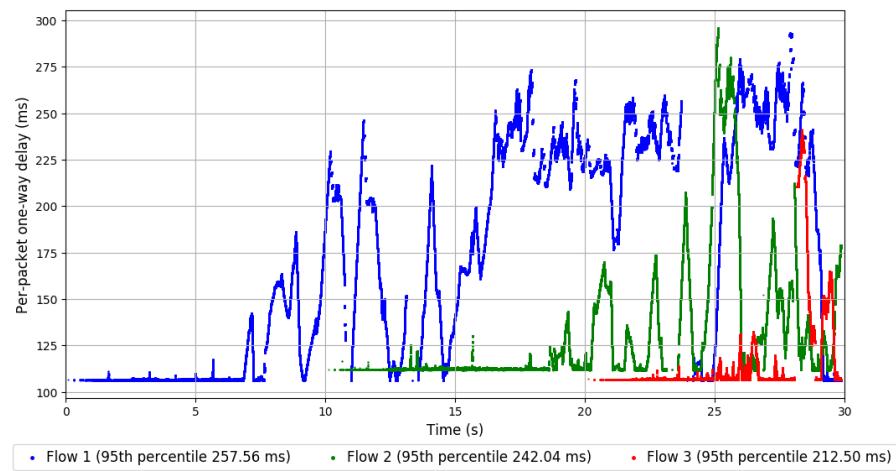
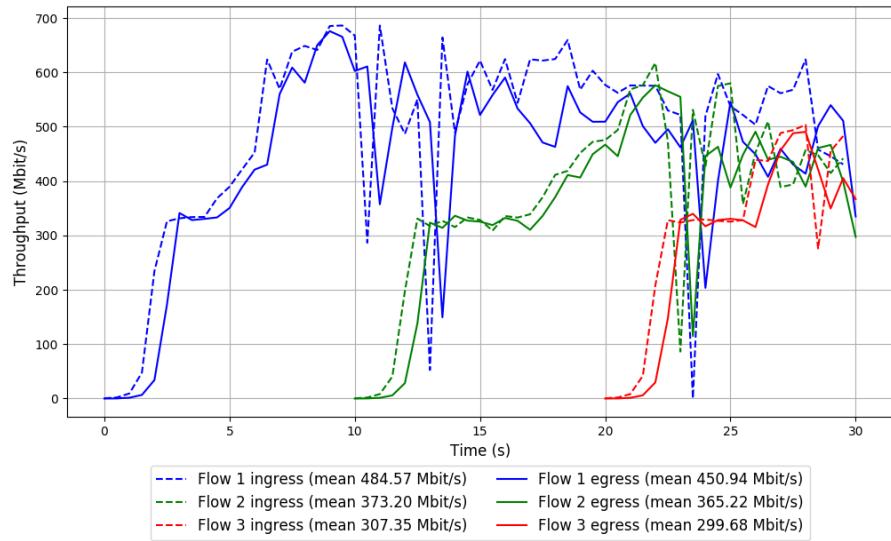


Run 2: Statistics of TCP BBR

```
Start at: 2019-08-26 22:14:05
End at: 2019-08-26 22:14:35
Local clock offset: -0.083 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-08-27 01:15:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 791.47 Mbit/s
95th percentile per-packet one-way delay: 253.273 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 450.94 Mbit/s
95th percentile per-packet one-way delay: 257.555 ms
Loss rate: 7.60%
-- Flow 2:
Average throughput: 365.22 Mbit/s
95th percentile per-packet one-way delay: 242.041 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 299.68 Mbit/s
95th percentile per-packet one-way delay: 212.503 ms
Loss rate: 4.59%
```

Run 2: Report of TCP BBR — Data Link

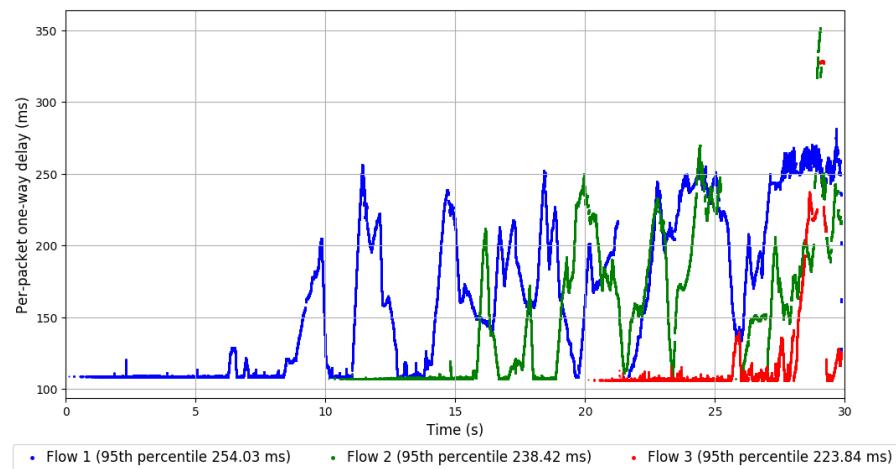
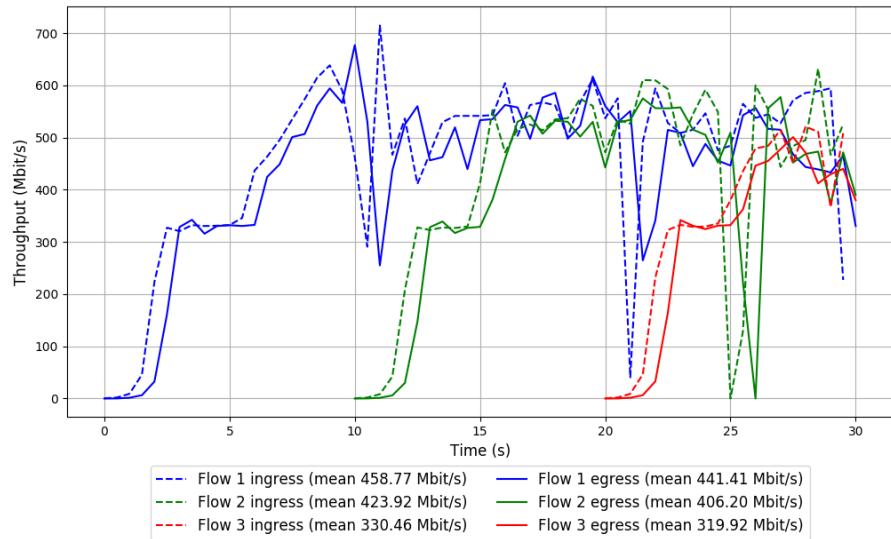


Run 3: Statistics of TCP BBR

```
Start at: 2019-08-26 22:57:45
End at: 2019-08-26 22:58:15
Local clock offset: 0.066 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2019-08-27 01:16:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 815.87 Mbit/s
95th percentile per-packet one-way delay: 249.557 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 441.41 Mbit/s
95th percentile per-packet one-way delay: 254.026 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 406.20 Mbit/s
95th percentile per-packet one-way delay: 238.421 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 319.92 Mbit/s
95th percentile per-packet one-way delay: 223.845 ms
Loss rate: 5.29%
```

Run 3: Report of TCP BBR — Data Link

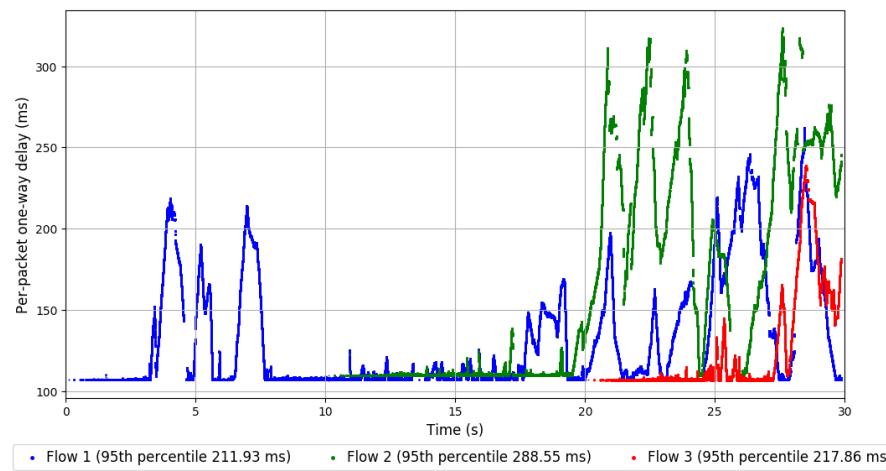
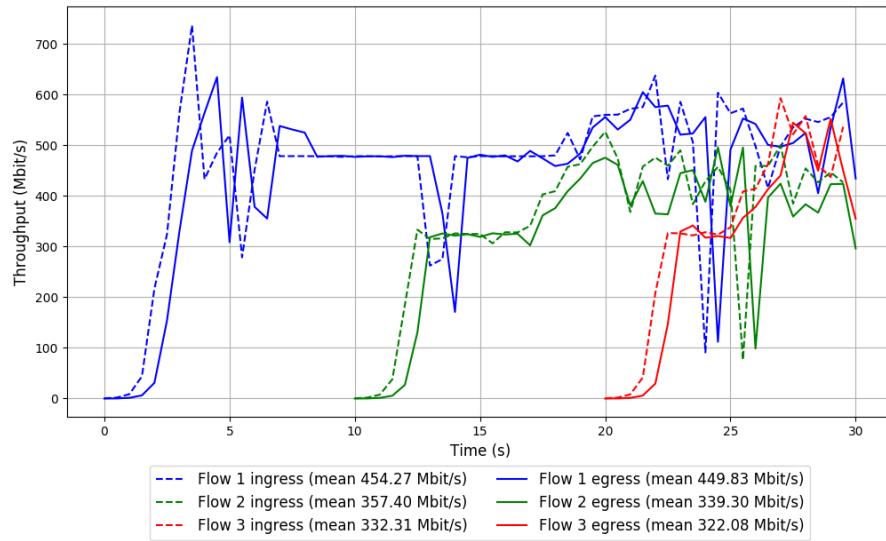


Run 4: Statistics of TCP BBR

```
Start at: 2019-08-26 23:41:20
End at: 2019-08-26 23:41:50
Local clock offset: -0.016 ms
Remote clock offset: -0.191 ms

# Below is generated by plot.py at 2019-08-27 01:16:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 780.42 Mbit/s
95th percentile per-packet one-way delay: 253.357 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 449.83 Mbit/s
95th percentile per-packet one-way delay: 211.934 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 339.30 Mbit/s
95th percentile per-packet one-way delay: 288.553 ms
Loss rate: 6.11%
-- Flow 3:
Average throughput: 322.08 Mbit/s
95th percentile per-packet one-way delay: 217.860 ms
Loss rate: 5.19%
```

Run 4: Report of TCP BBR — Data Link

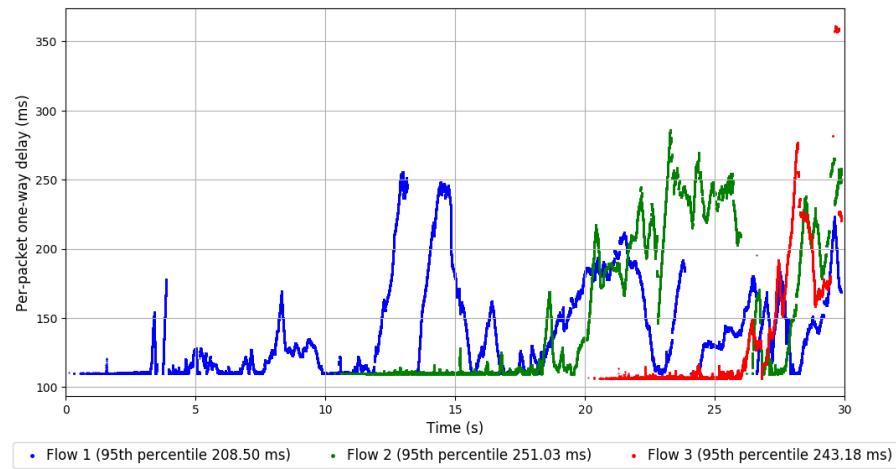
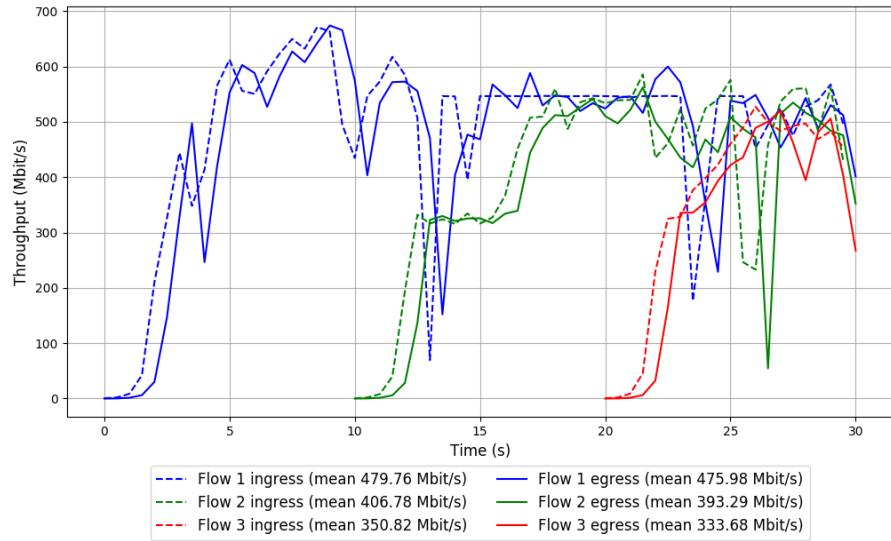


Run 5: Statistics of TCP BBR

```
Start at: 2019-08-27 00:25:09
End at: 2019-08-27 00:25:39
Local clock offset: 0.189 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2019-08-27 01:16:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 846.32 Mbit/s
95th percentile per-packet one-way delay: 241.518 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 475.98 Mbit/s
95th percentile per-packet one-way delay: 208.504 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 393.29 Mbit/s
95th percentile per-packet one-way delay: 251.034 ms
Loss rate: 4.38%
-- Flow 3:
Average throughput: 333.68 Mbit/s
95th percentile per-packet one-way delay: 243.184 ms
Loss rate: 6.96%
```

Run 5: Report of TCP BBR — Data Link

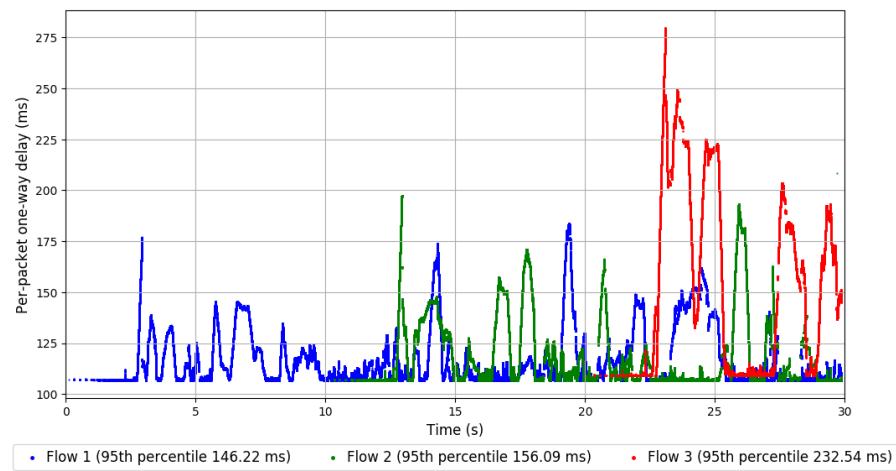
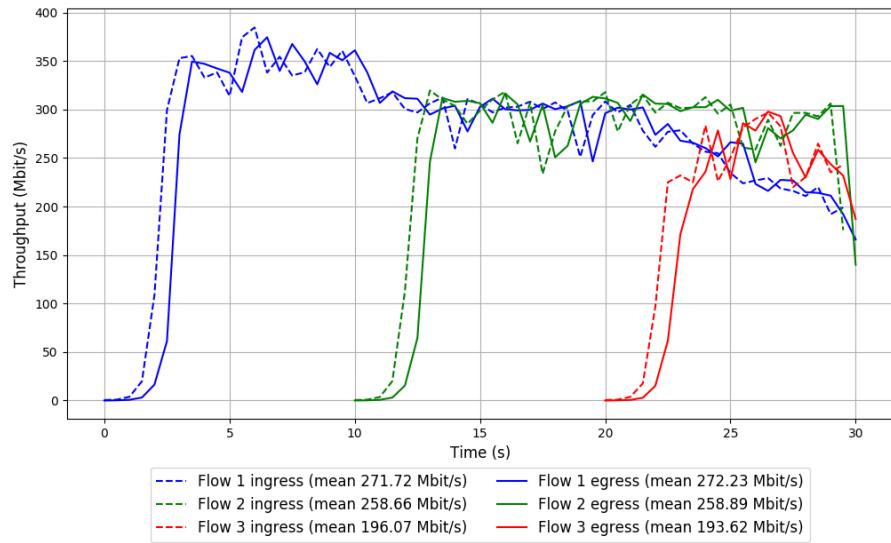


Run 1: Statistics of Copa

```
Start at: 2019-08-26 21:25:01
End at: 2019-08-26 21:25:31
Local clock offset: 0.117 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-08-27 01:18:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.42 Mbit/s
95th percentile per-packet one-way delay: 178.147 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 272.23 Mbit/s
95th percentile per-packet one-way delay: 146.218 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 258.89 Mbit/s
95th percentile per-packet one-way delay: 156.095 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 232.543 ms
Loss rate: 3.39%
```

Run 1: Report of Copa — Data Link

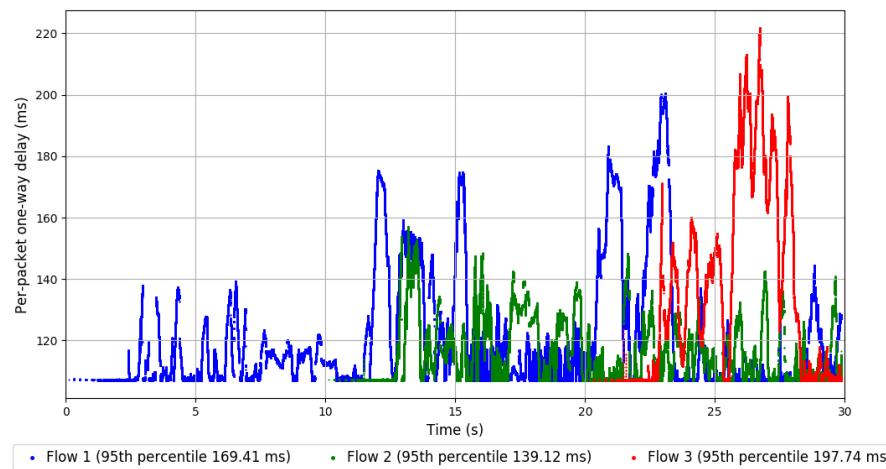
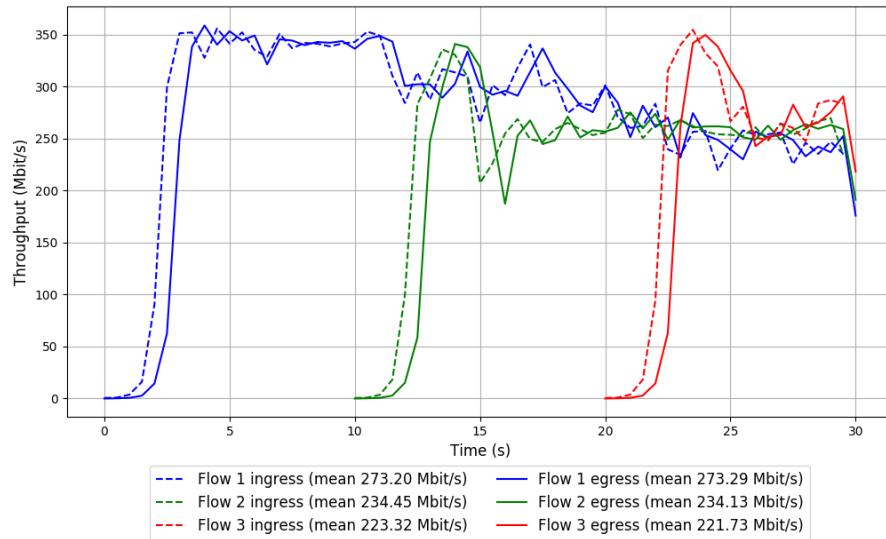


Run 2: Statistics of Copa

```
Start at: 2019-08-26 22:08:36
End at: 2019-08-26 22:09:06
Local clock offset: 0.077 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2019-08-27 01:18:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.28 Mbit/s
95th percentile per-packet one-way delay: 171.461 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 273.29 Mbit/s
95th percentile per-packet one-way delay: 169.408 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 234.13 Mbit/s
95th percentile per-packet one-way delay: 139.123 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 221.73 Mbit/s
95th percentile per-packet one-way delay: 197.741 ms
Loss rate: 2.85%
```

Run 2: Report of Copa — Data Link

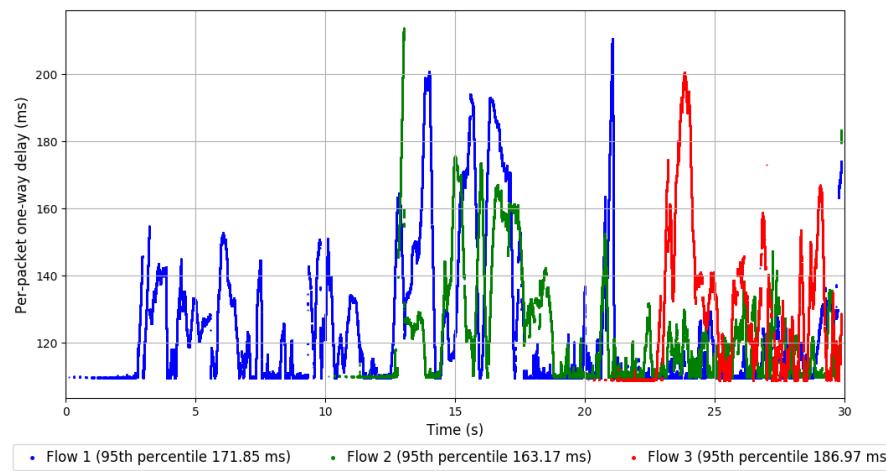
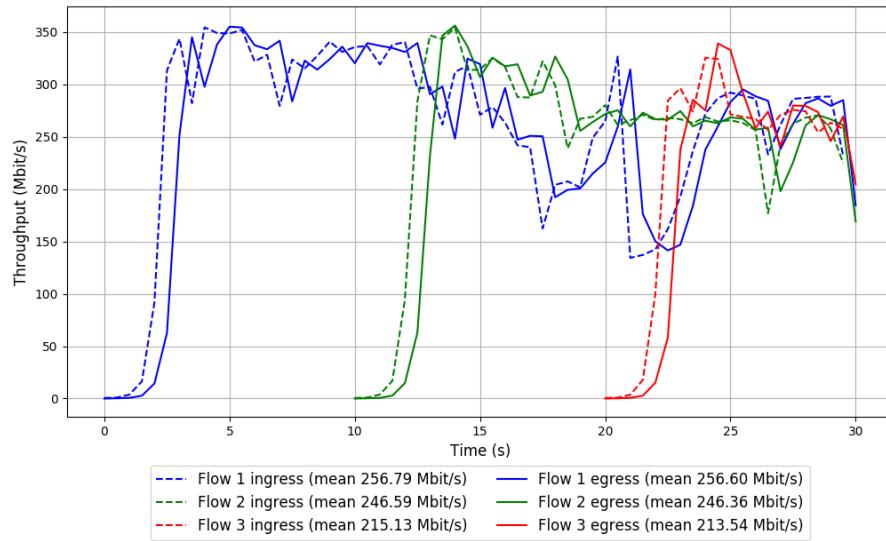


Run 3: Statistics of Copa

```
Start at: 2019-08-26 22:52:13
End at: 2019-08-26 22:52:43
Local clock offset: -0.057 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2019-08-27 01:18:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 490.05 Mbit/s
95th percentile per-packet one-way delay: 169.788 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 256.60 Mbit/s
95th percentile per-packet one-way delay: 171.849 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 246.36 Mbit/s
95th percentile per-packet one-way delay: 163.174 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 186.968 ms
Loss rate: 2.87%
```

Run 3: Report of Copa — Data Link

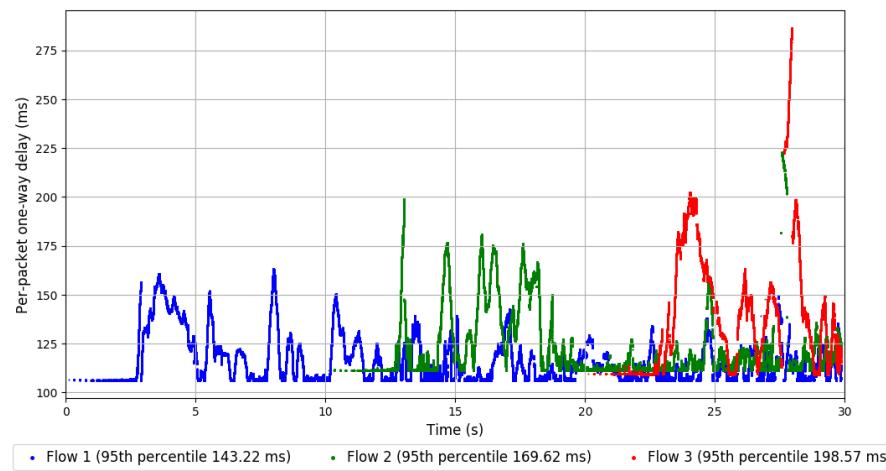
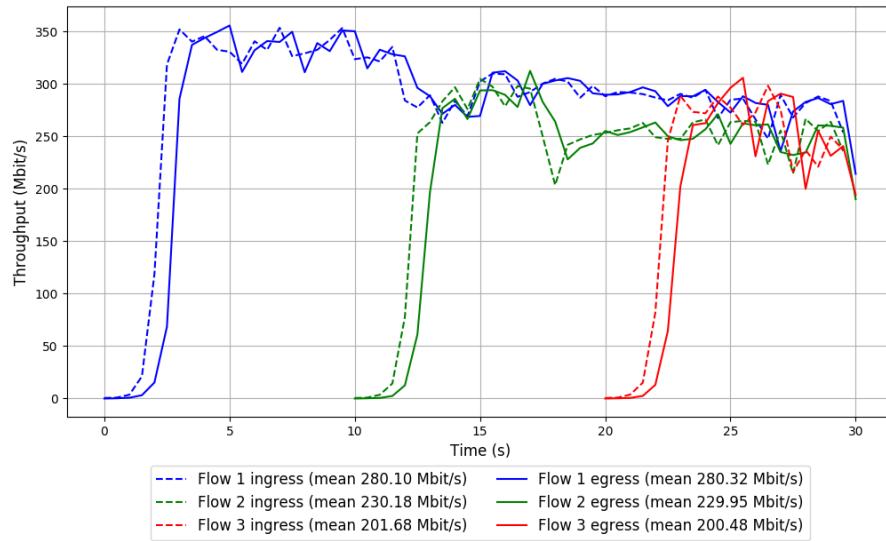


Run 4: Statistics of Copa

```
Start at: 2019-08-26 23:35:49
End at: 2019-08-26 23:36:19
Local clock offset: -0.779 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-08-27 01:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 498.58 Mbit/s
95th percentile per-packet one-way delay: 164.095 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 280.32 Mbit/s
95th percentile per-packet one-way delay: 143.216 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 229.95 Mbit/s
95th percentile per-packet one-way delay: 169.616 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 200.48 Mbit/s
95th percentile per-packet one-way delay: 198.568 ms
Loss rate: 2.77%
```

Run 4: Report of Copa — Data Link

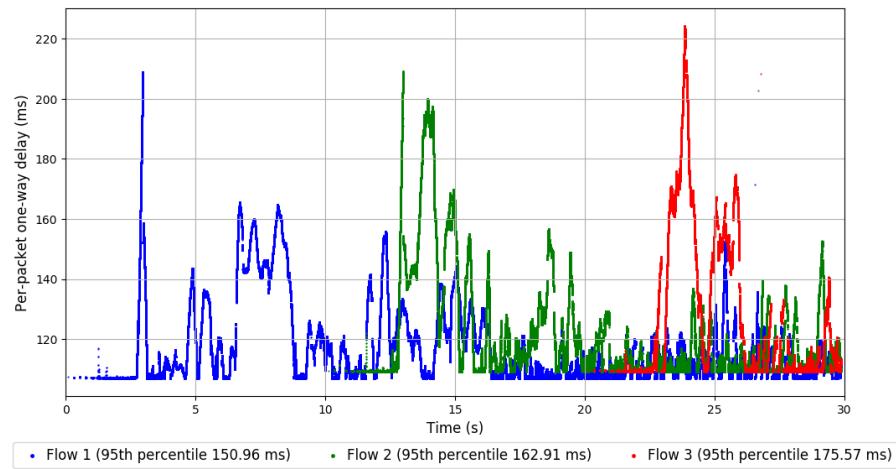
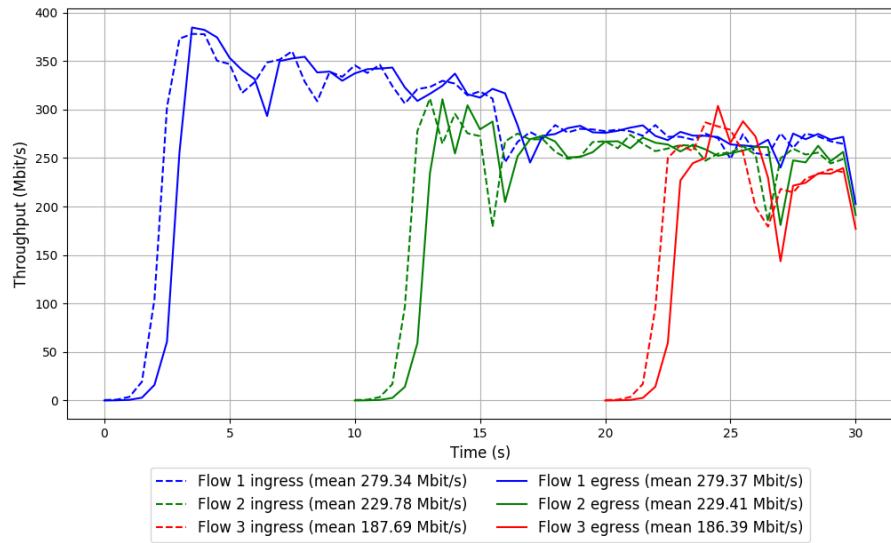


Run 5: Statistics of Copa

```
Start at: 2019-08-27 00:19:41
End at: 2019-08-27 00:20:11
Local clock offset: 0.157 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2019-08-27 01:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 492.63 Mbit/s
95th percentile per-packet one-way delay: 160.205 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 279.37 Mbit/s
95th percentile per-packet one-way delay: 150.956 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 229.41 Mbit/s
95th percentile per-packet one-way delay: 162.907 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 186.39 Mbit/s
95th percentile per-packet one-way delay: 175.575 ms
Loss rate: 2.86%
```

Run 5: Report of Copa — Data Link

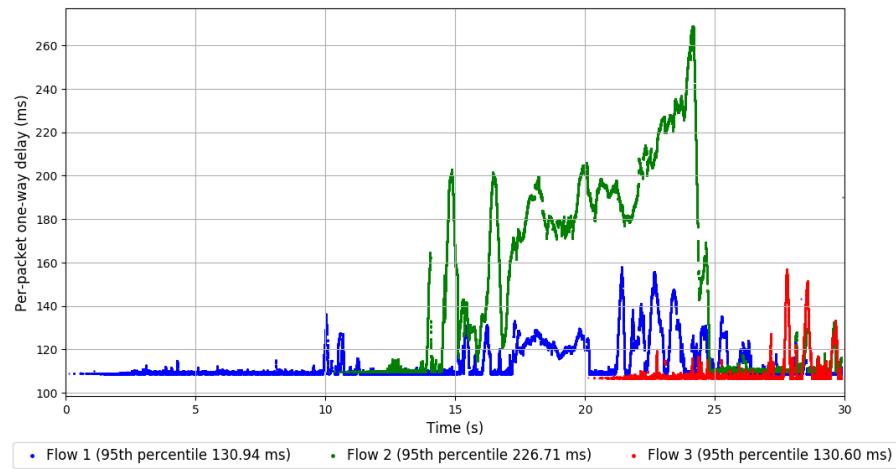
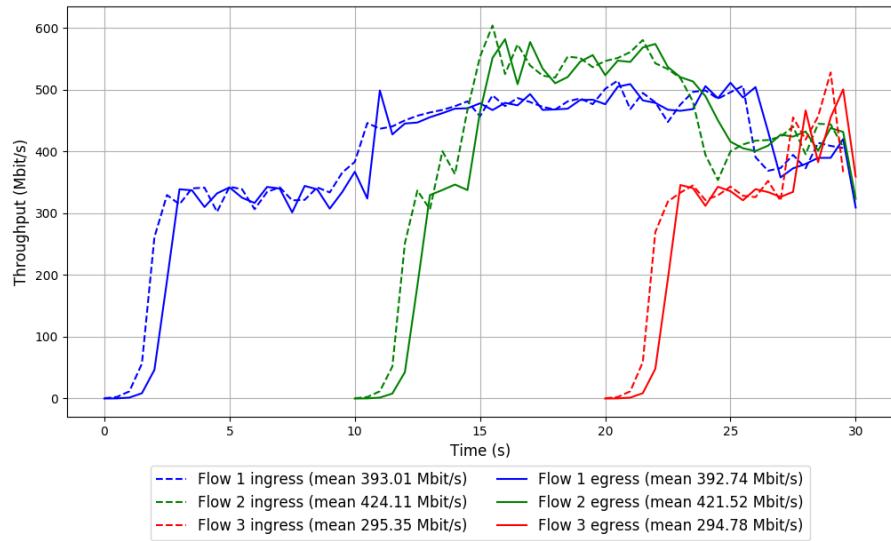


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-08-26 21:12:09
End at: 2019-08-26 21:12:39
Local clock offset: -0.039 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2019-08-27 01:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 768.27 Mbit/s
95th percentile per-packet one-way delay: 202.467 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 392.74 Mbit/s
95th percentile per-packet one-way delay: 130.936 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 421.52 Mbit/s
95th percentile per-packet one-way delay: 226.711 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 294.78 Mbit/s
95th percentile per-packet one-way delay: 130.602 ms
Loss rate: 2.35%
```

Run 1: Report of TCP Cubic — Data Link

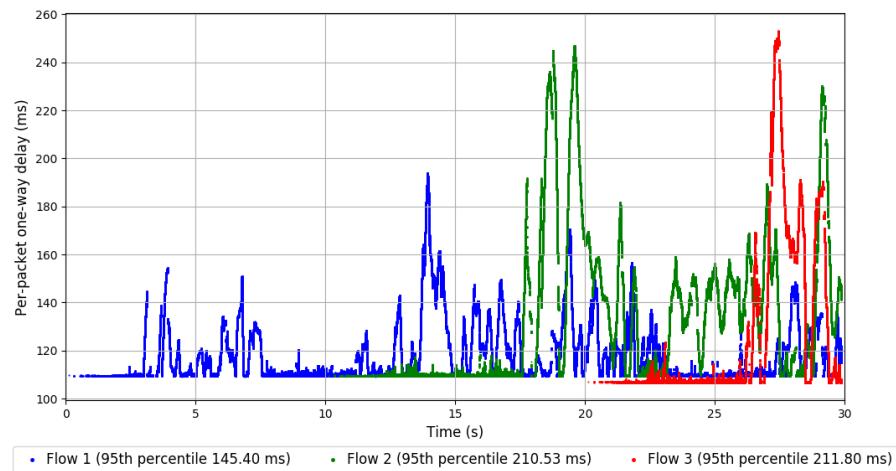
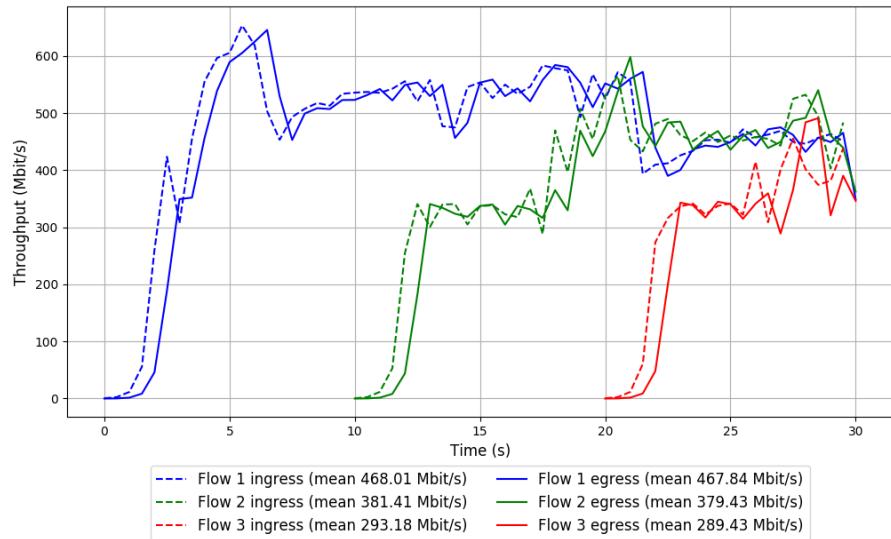


Run 2: Statistics of TCP Cubic

```
Start at: 2019-08-26 21:55:38
End at: 2019-08-26 21:56:08
Local clock offset: -0.012 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-08-27 01:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 814.49 Mbit/s
95th percentile per-packet one-way delay: 175.556 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 467.84 Mbit/s
95th percentile per-packet one-way delay: 145.397 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 379.43 Mbit/s
95th percentile per-packet one-way delay: 210.535 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 289.43 Mbit/s
95th percentile per-packet one-way delay: 211.800 ms
Loss rate: 3.38%
```

Run 2: Report of TCP Cubic — Data Link

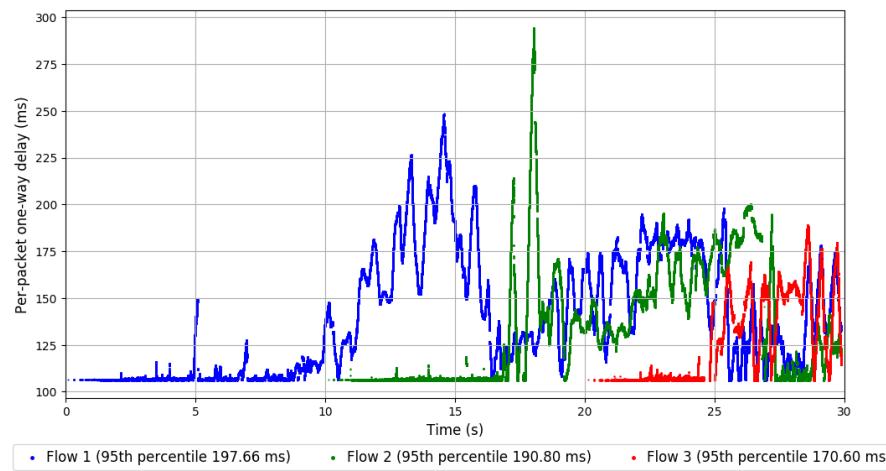
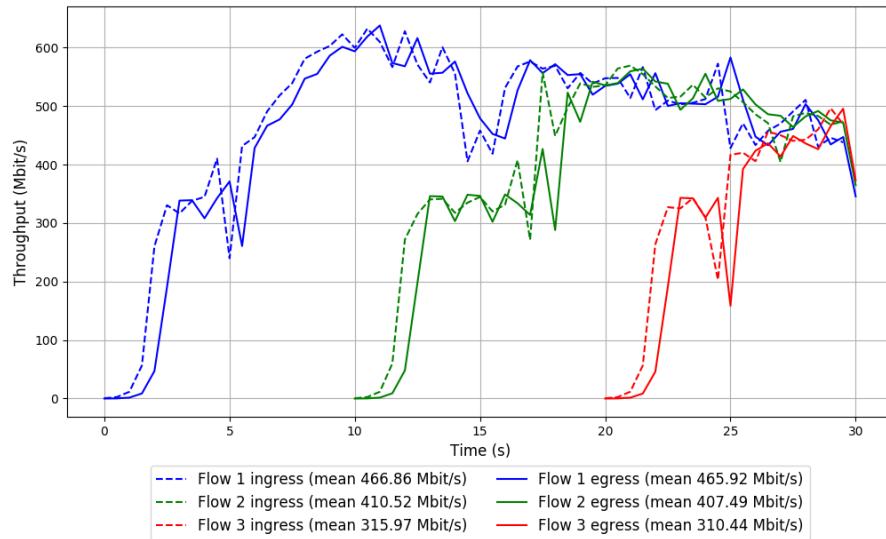


Run 3: Statistics of TCP Cubic

```
Start at: 2019-08-26 22:39:07
End at: 2019-08-26 22:39:37
Local clock offset: -0.588 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-08-27 01:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.07 Mbit/s
95th percentile per-packet one-way delay: 192.298 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 465.92 Mbit/s
95th percentile per-packet one-way delay: 197.658 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 407.49 Mbit/s
95th percentile per-packet one-way delay: 190.802 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 310.44 Mbit/s
95th percentile per-packet one-way delay: 170.601 ms
Loss rate: 3.87%
```

Run 3: Report of TCP Cubic — Data Link

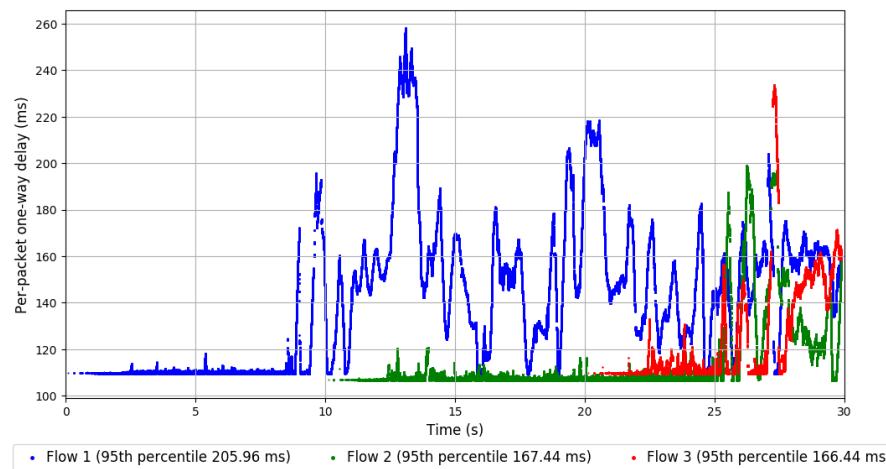
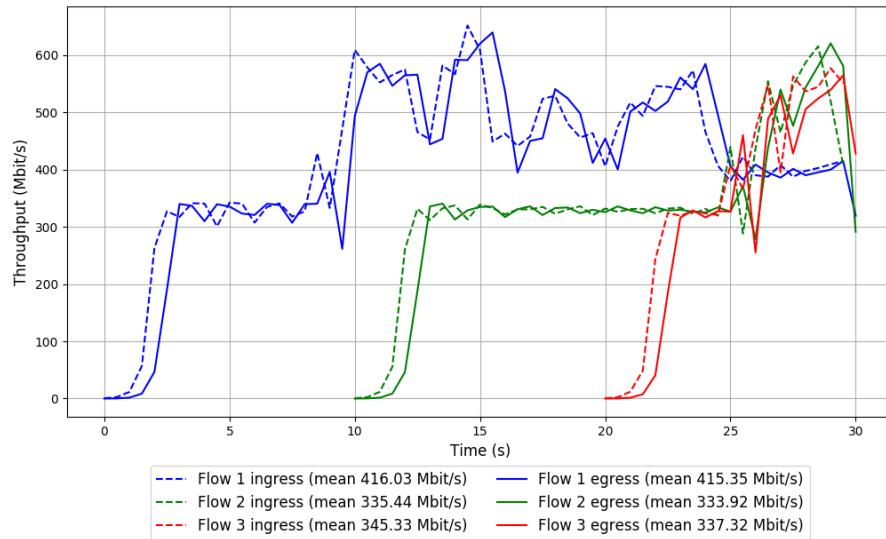


Run 4: Statistics of TCP Cubic

```
Start at: 2019-08-26 23:22:44
End at: 2019-08-26 23:23:14
Local clock offset: -0.205 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2019-08-27 01:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 747.43 Mbit/s
95th percentile per-packet one-way delay: 191.872 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 415.35 Mbit/s
95th percentile per-packet one-way delay: 205.959 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 333.92 Mbit/s
95th percentile per-packet one-way delay: 167.445 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 337.32 Mbit/s
95th percentile per-packet one-way delay: 166.439 ms
Loss rate: 4.46%
```

Run 4: Report of TCP Cubic — Data Link

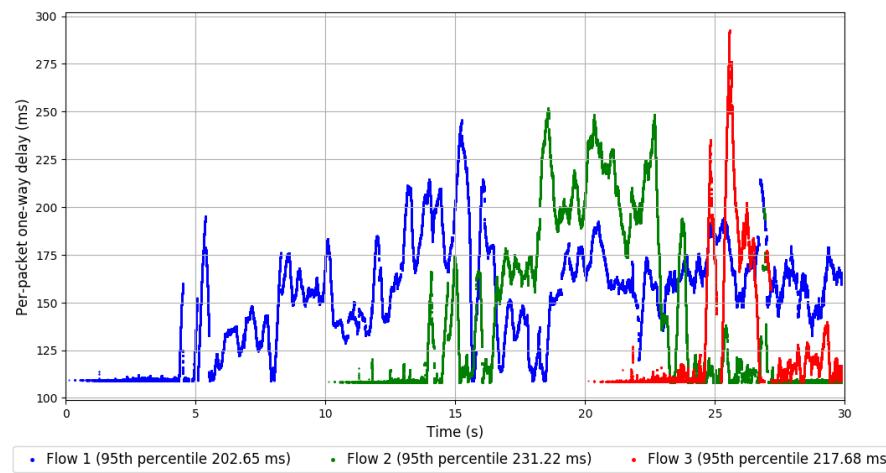
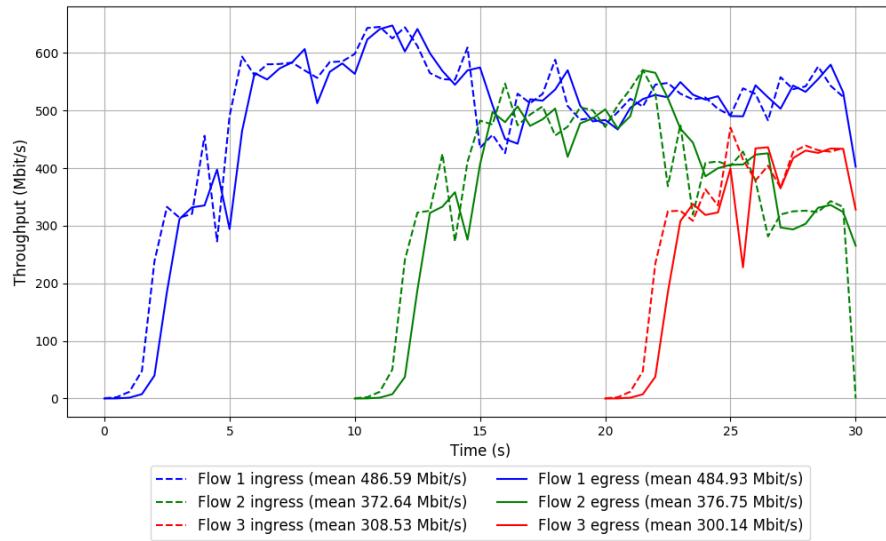


Run 5: Statistics of TCP Cubic

```
Start at: 2019-08-27 00:06:35
End at: 2019-08-27 00:07:05
Local clock offset: -0.031 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2019-08-27 01:34:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.32 Mbit/s
95th percentile per-packet one-way delay: 217.904 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 484.93 Mbit/s
95th percentile per-packet one-way delay: 202.651 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 376.75 Mbit/s
95th percentile per-packet one-way delay: 231.225 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 300.14 Mbit/s
95th percentile per-packet one-way delay: 217.681 ms
Loss rate: 4.85%
```

Run 5: Report of TCP Cubic — Data Link

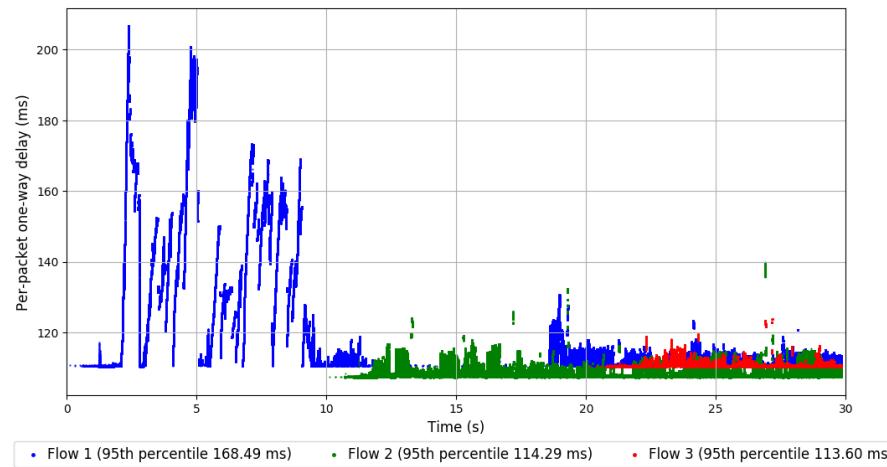
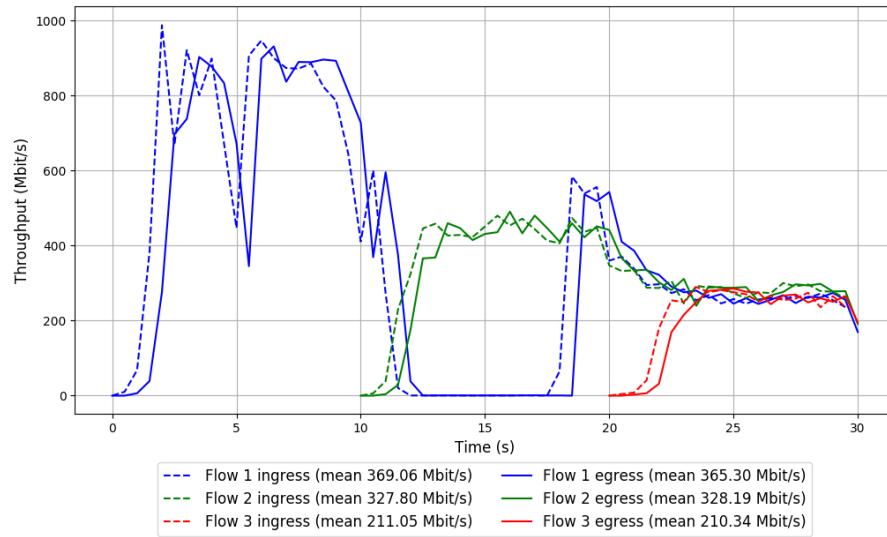


```
Run 1: Statistics of FillP

Start at: 2019-08-26 21:06:19
End at: 2019-08-26 21:06:49
Local clock offset: 0.67 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-08-27 01:34:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 651.24 Mbit/s
95th percentile per-packet one-way delay: 159.668 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 365.30 Mbit/s
95th percentile per-packet one-way delay: 168.488 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 328.19 Mbit/s
95th percentile per-packet one-way delay: 114.287 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 210.34 Mbit/s
95th percentile per-packet one-way delay: 113.603 ms
Loss rate: 2.35%
```

Run 1: Report of FillP — Data Link

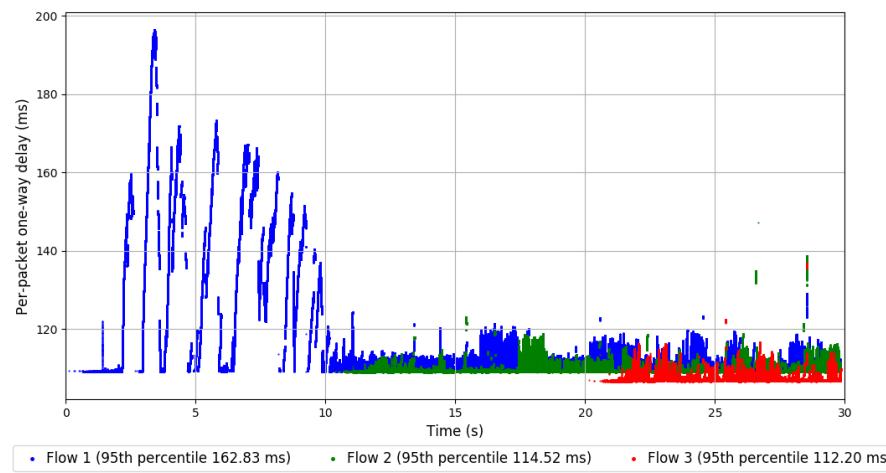
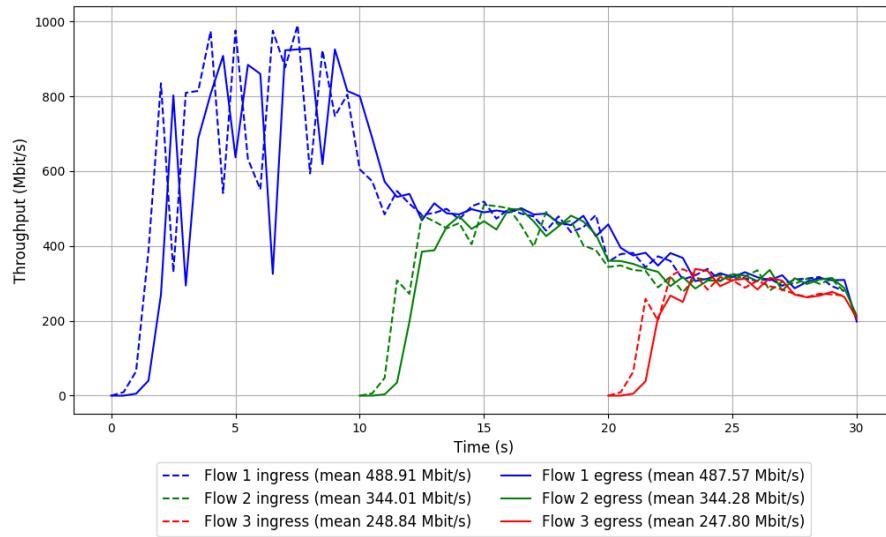


Run 2: Statistics of FillP

```
Start at: 2019-08-26 21:49:48
End at: 2019-08-26 21:50:18
Local clock offset: -0.063 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-08-27 01:48:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 796.37 Mbit/s
95th percentile per-packet one-way delay: 156.918 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 487.57 Mbit/s
95th percentile per-packet one-way delay: 162.827 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 344.28 Mbit/s
95th percentile per-packet one-way delay: 114.520 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 247.80 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 2.58%
```

Run 2: Report of FillP — Data Link

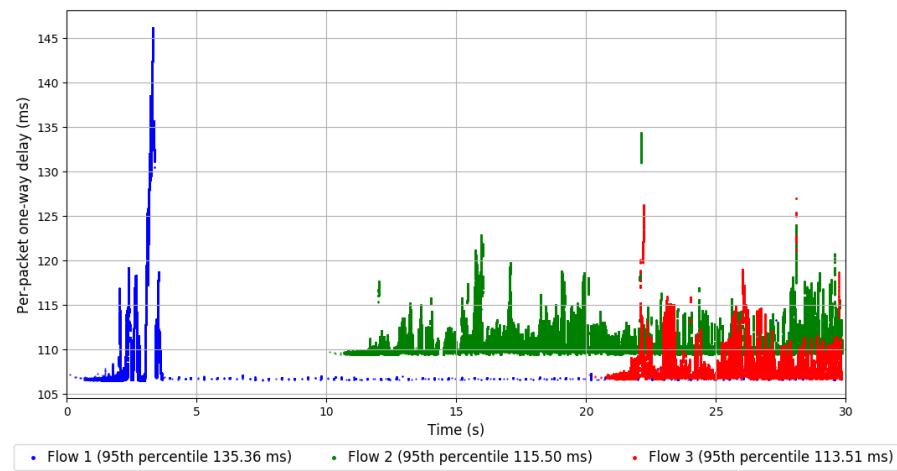
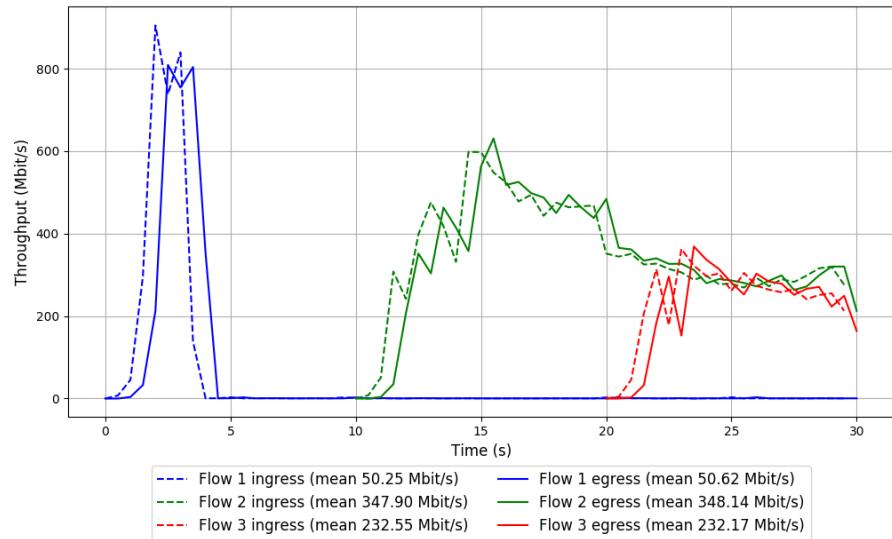


Run 3: Statistics of FillP

```
Start at: 2019-08-26 22:33:28
End at: 2019-08-26 22:33:58
Local clock offset: -0.023 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2019-08-27 01:48:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.25 Mbit/s
95th percentile per-packet one-way delay: 116.947 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 135.362 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 348.14 Mbit/s
95th percentile per-packet one-way delay: 115.497 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 232.17 Mbit/s
95th percentile per-packet one-way delay: 113.514 ms
Loss rate: 2.38%
```

Run 3: Report of FillP — Data Link

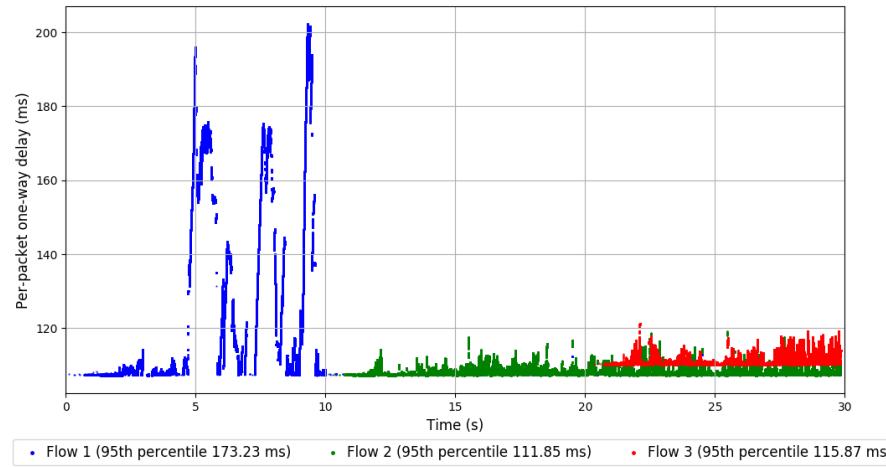
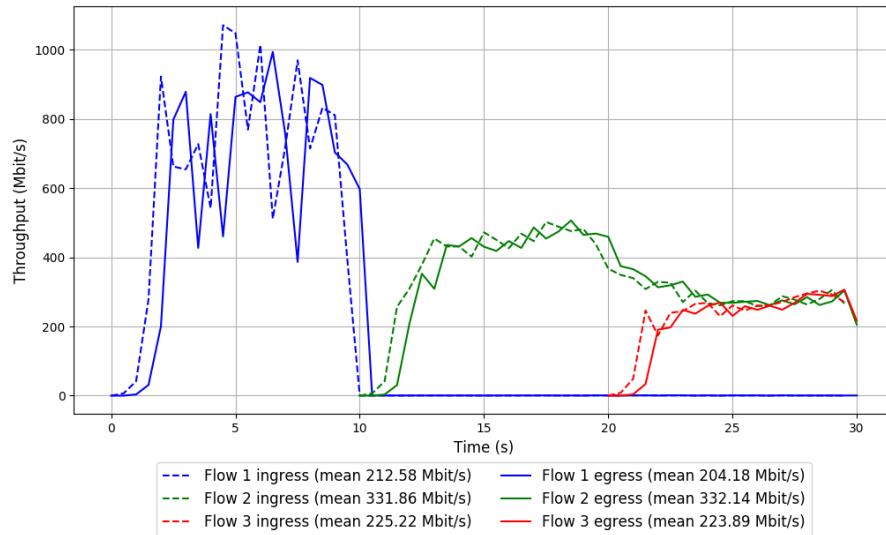


Run 4: Statistics of FillP

```
Start at: 2019-08-26 23:17:04
End at: 2019-08-26 23:17:34
Local clock offset: 0.434 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2019-08-27 01:48:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.41 Mbit/s
95th percentile per-packet one-way delay: 168.310 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 204.18 Mbit/s
95th percentile per-packet one-way delay: 173.227 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 332.14 Mbit/s
95th percentile per-packet one-way delay: 111.846 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 223.89 Mbit/s
95th percentile per-packet one-way delay: 115.868 ms
Loss rate: 2.70%
```

Run 4: Report of FillP — Data Link

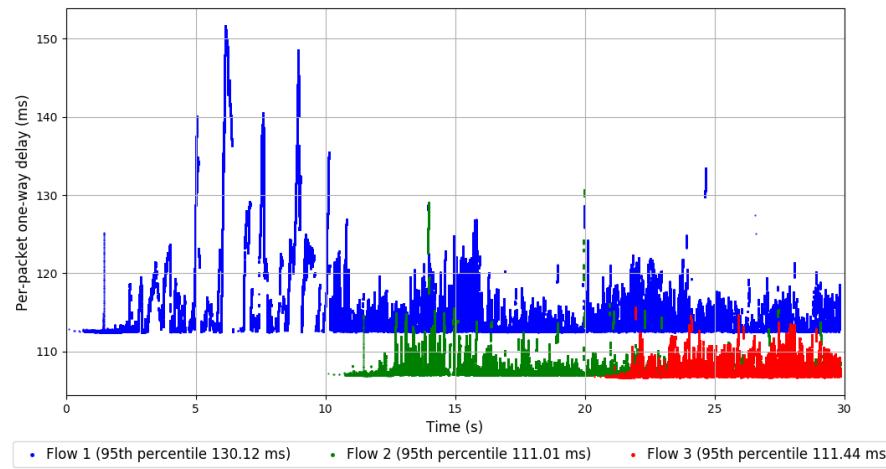
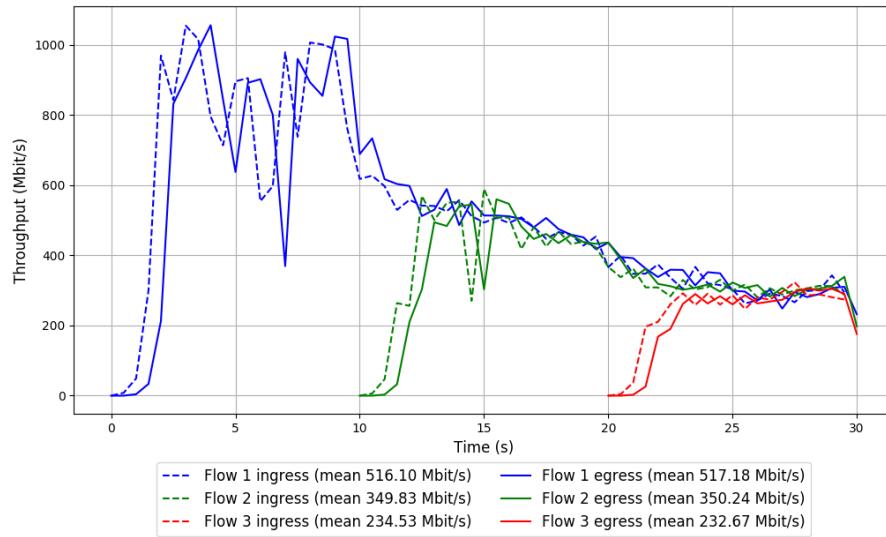


```
Run 5: Statistics of FillP
```

```
Start at: 2019-08-27 00:00:39
End at: 2019-08-27 00:01:09
Local clock offset: 0.07 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2019-08-27 01:51:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.22 Mbit/s
95th percentile per-packet one-way delay: 124.340 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 517.18 Mbit/s
95th percentile per-packet one-way delay: 130.116 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 350.24 Mbit/s
95th percentile per-packet one-way delay: 111.009 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 232.67 Mbit/s
95th percentile per-packet one-way delay: 111.438 ms
Loss rate: 2.95%
```

Run 5: Report of FillP — Data Link

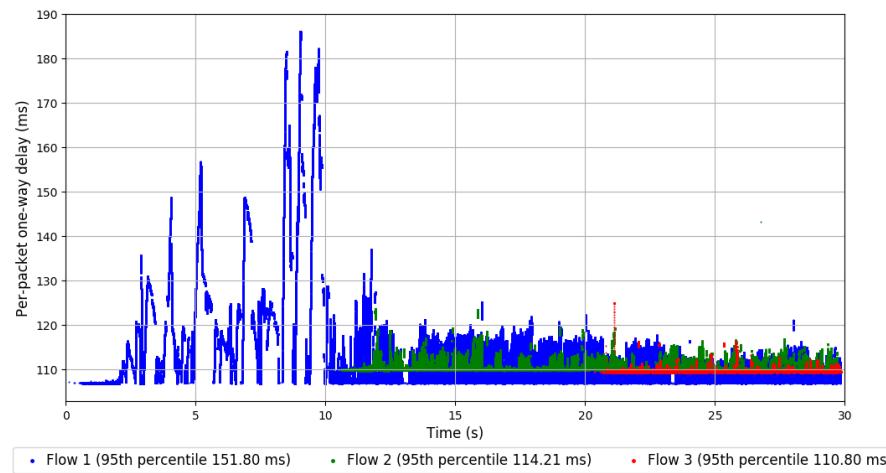
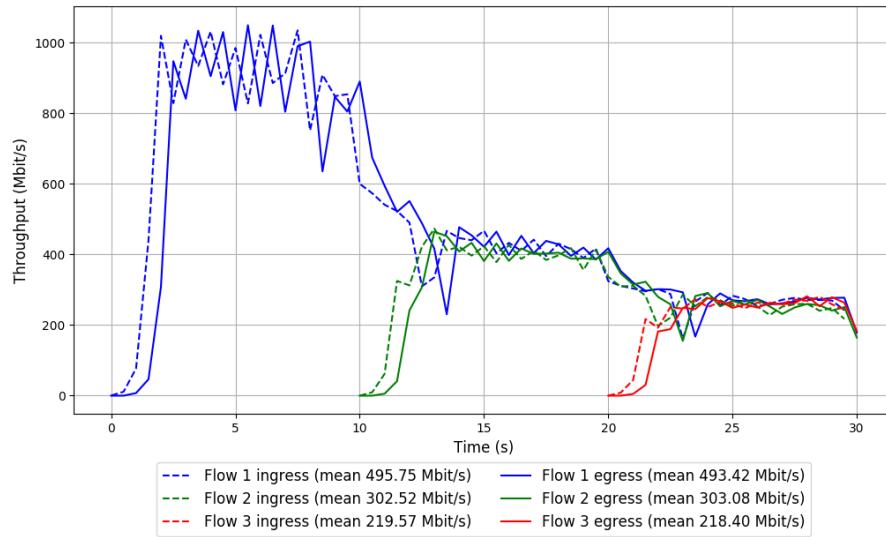


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-08-26 21:39:04
End at: 2019-08-26 21:39:34
Local clock offset: -0.008 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2019-08-27 01:51:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 765.61 Mbit/s
95th percentile per-packet one-way delay: 143.531 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 493.42 Mbit/s
95th percentile per-packet one-way delay: 151.798 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 303.08 Mbit/s
95th percentile per-packet one-way delay: 114.213 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 218.40 Mbit/s
95th percentile per-packet one-way delay: 110.804 ms
Loss rate: 2.73%
```

Run 1: Report of FillP-Sheep — Data Link

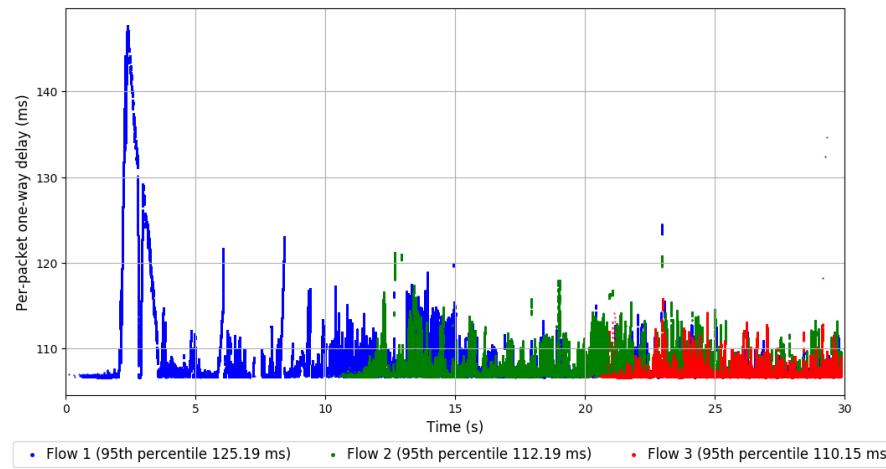
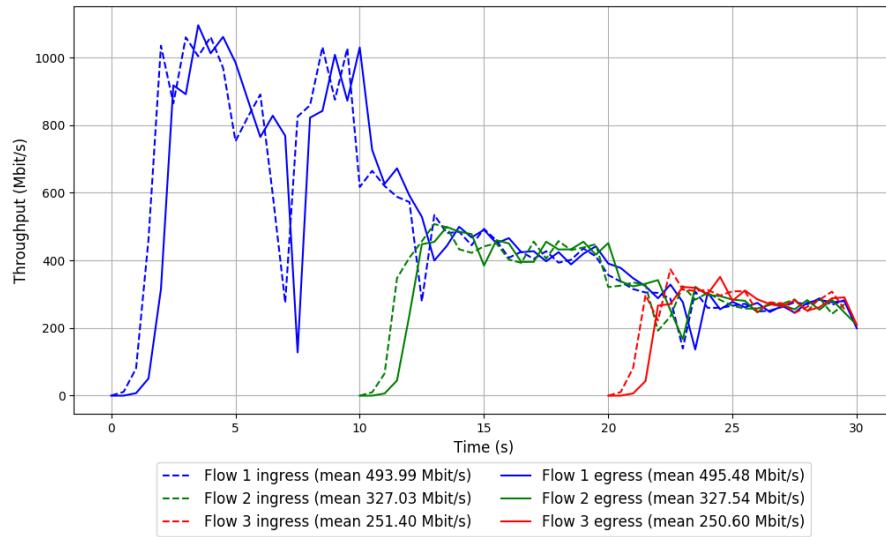


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-08-26 22:22:46
End at: 2019-08-26 22:23:16
Local clock offset: -0.002 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-08-27 01:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 794.39 Mbit/s
95th percentile per-packet one-way delay: 117.474 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 495.48 Mbit/s
95th percentile per-packet one-way delay: 125.185 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 327.54 Mbit/s
95th percentile per-packet one-way delay: 112.188 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 110.149 ms
Loss rate: 2.30%
```

Run 2: Report of FillP-Sheep — Data Link

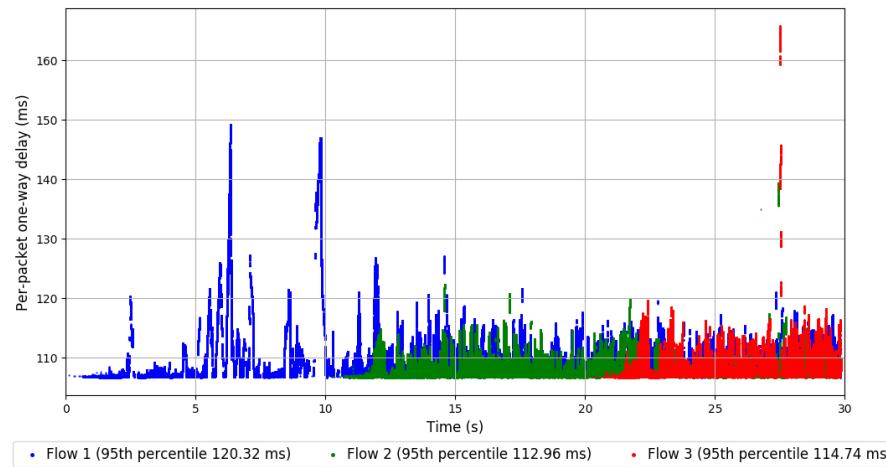
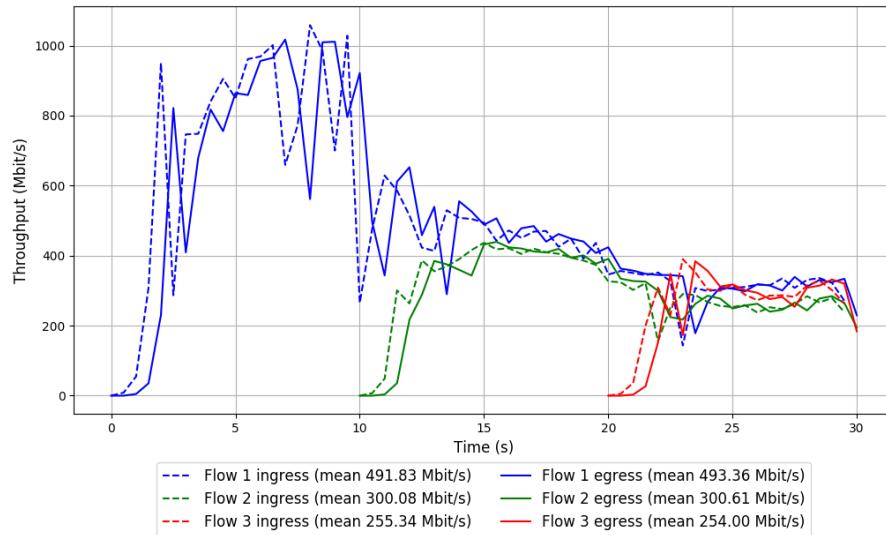


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-08-26 23:06:23
End at: 2019-08-26 23:06:53
Local clock offset: -0.097 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2019-08-27 01:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 775.50 Mbit/s
95th percentile per-packet one-way delay: 117.163 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 493.36 Mbit/s
95th percentile per-packet one-way delay: 120.321 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 300.61 Mbit/s
95th percentile per-packet one-way delay: 112.960 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 254.00 Mbit/s
95th percentile per-packet one-way delay: 114.737 ms
Loss rate: 2.55%
```

Run 3: Report of FillP-Sheep — Data Link

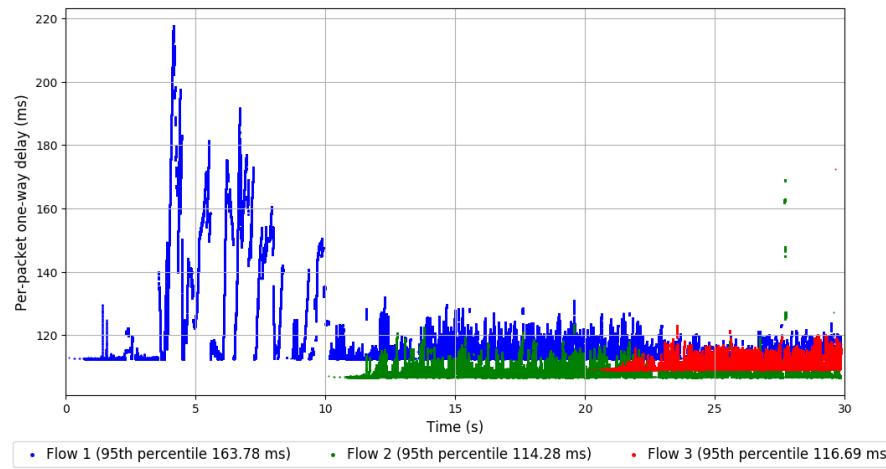
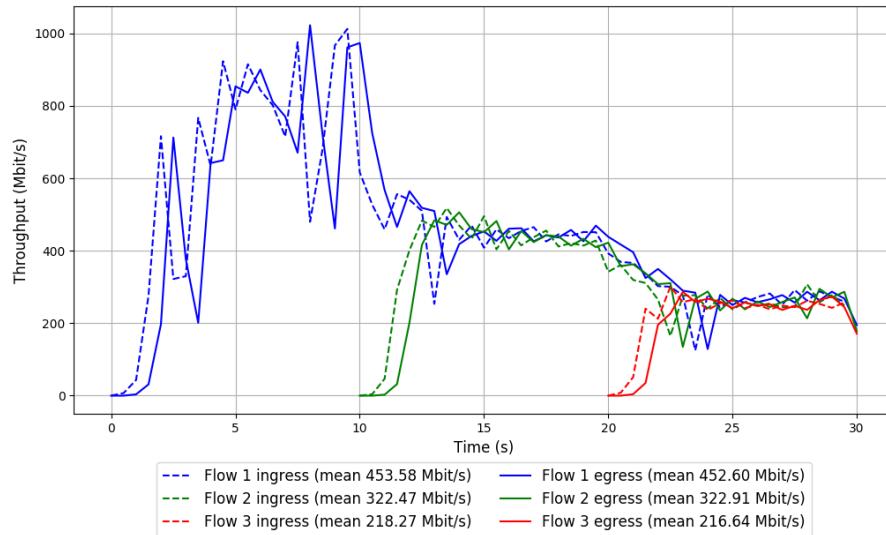


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-08-26 23:49:56
End at: 2019-08-26 23:50:26
Local clock offset: -0.09 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2019-08-27 01:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 737.19 Mbit/s
95th percentile per-packet one-way delay: 156.152 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 452.60 Mbit/s
95th percentile per-packet one-way delay: 163.782 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 322.91 Mbit/s
95th percentile per-packet one-way delay: 114.284 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 216.64 Mbit/s
95th percentile per-packet one-way delay: 116.685 ms
Loss rate: 2.86%
```

Run 4: Report of FillP-Sheep — Data Link

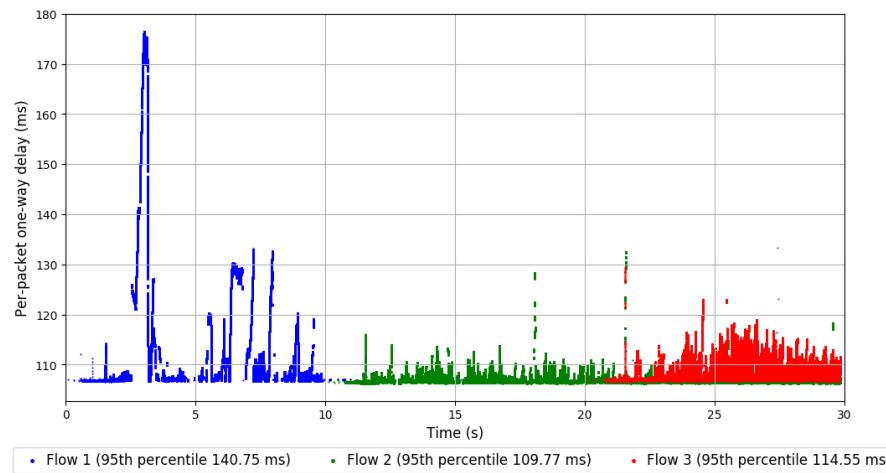
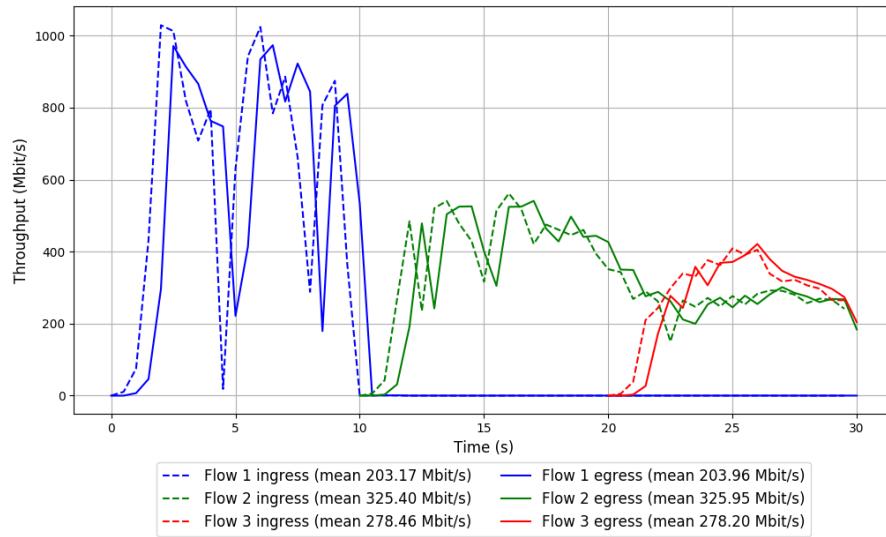


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-08-27 00:33:32
End at: 2019-08-27 00:34:02
Local clock offset: -0.03 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2019-08-27 01:52:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 510.52 Mbit/s
95th percentile per-packet one-way delay: 128.421 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 203.96 Mbit/s
95th percentile per-packet one-way delay: 140.748 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 325.95 Mbit/s
95th percentile per-packet one-way delay: 109.767 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 278.20 Mbit/s
95th percentile per-packet one-way delay: 114.547 ms
Loss rate: 2.21%
```

Run 5: Report of FillP-Sheep — Data Link

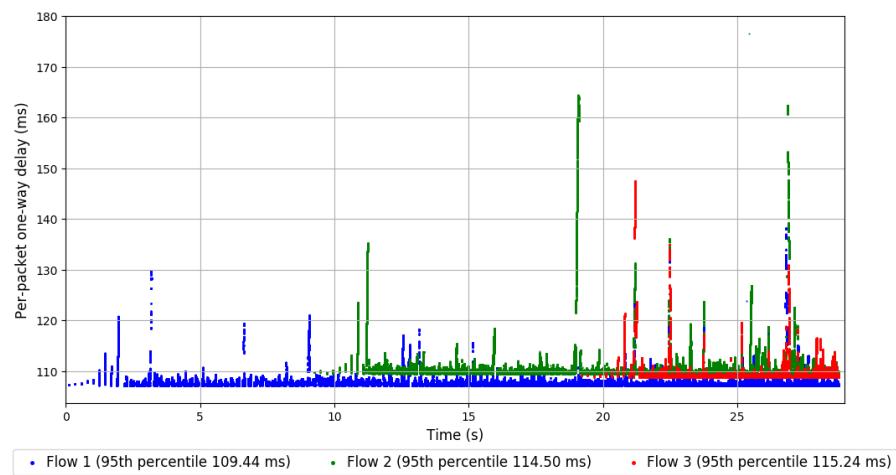
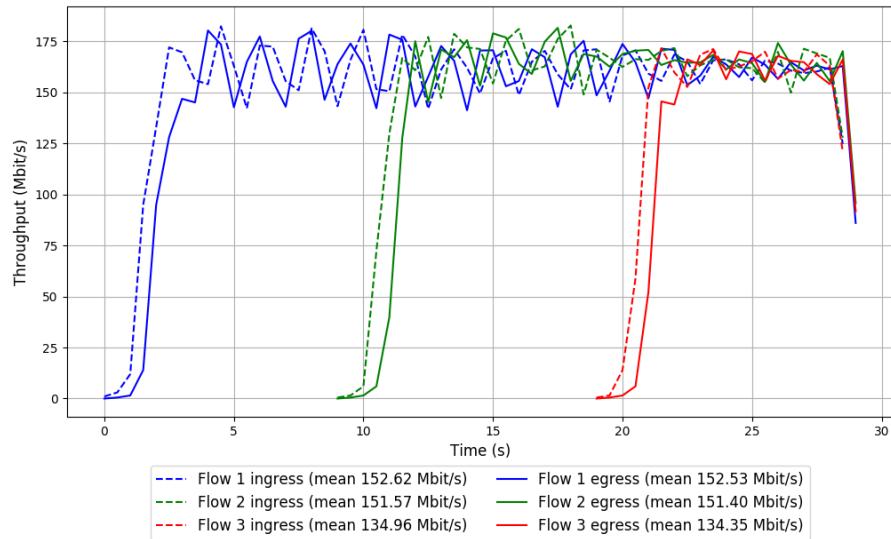


Run 1: Statistics of Indigo

```
Start at: 2019-08-26 21:17:31
End at: 2019-08-26 21:18:01
Local clock offset: 0.555 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-08-27 01:54:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.42 Mbit/s
95th percentile per-packet one-way delay: 112.396 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 152.53 Mbit/s
95th percentile per-packet one-way delay: 109.440 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 151.40 Mbit/s
95th percentile per-packet one-way delay: 114.503 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 134.35 Mbit/s
95th percentile per-packet one-way delay: 115.237 ms
Loss rate: 2.65%
```

Run 1: Report of Indigo — Data Link

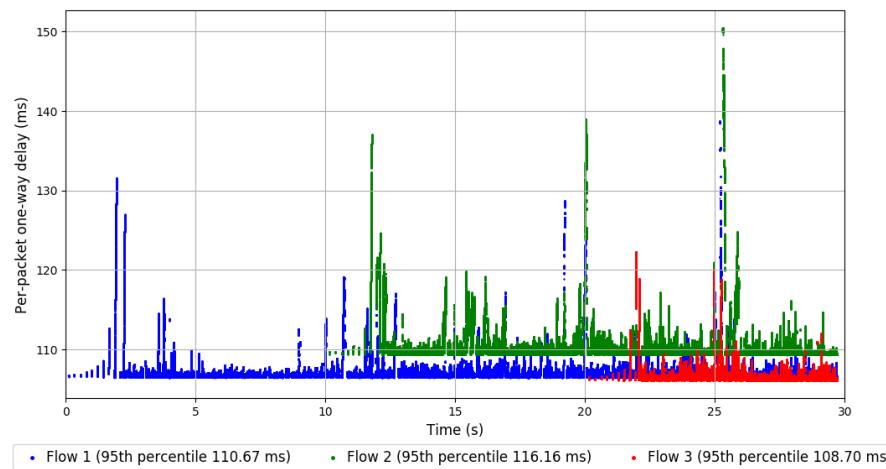
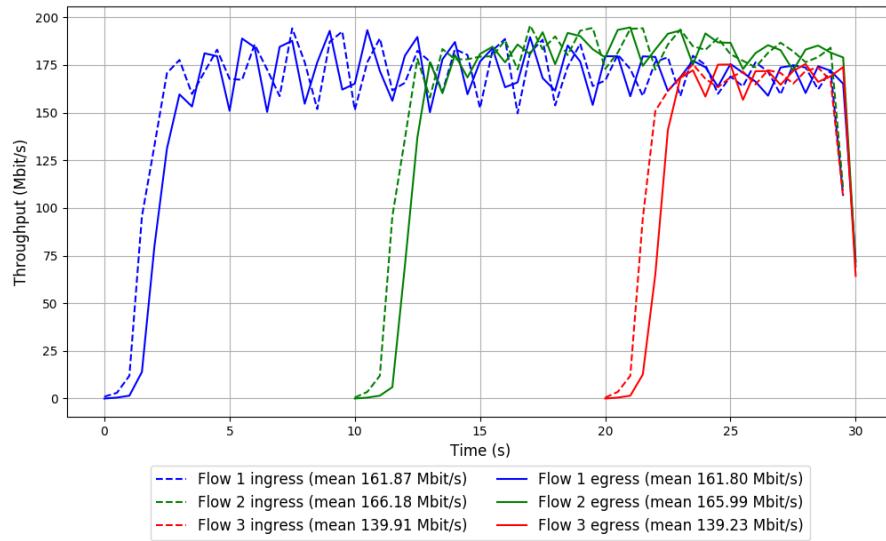


Run 2: Statistics of Indigo

```
Start at: 2019-08-26 22:01:02
End at: 2019-08-26 22:01:32
Local clock offset: -0.156 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-08-27 01:59:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.22 Mbit/s
95th percentile per-packet one-way delay: 113.345 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 161.80 Mbit/s
95th percentile per-packet one-way delay: 110.667 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 165.99 Mbit/s
95th percentile per-packet one-way delay: 116.161 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 139.23 Mbit/s
95th percentile per-packet one-way delay: 108.703 ms
Loss rate: 2.67%
```

Run 2: Report of Indigo — Data Link

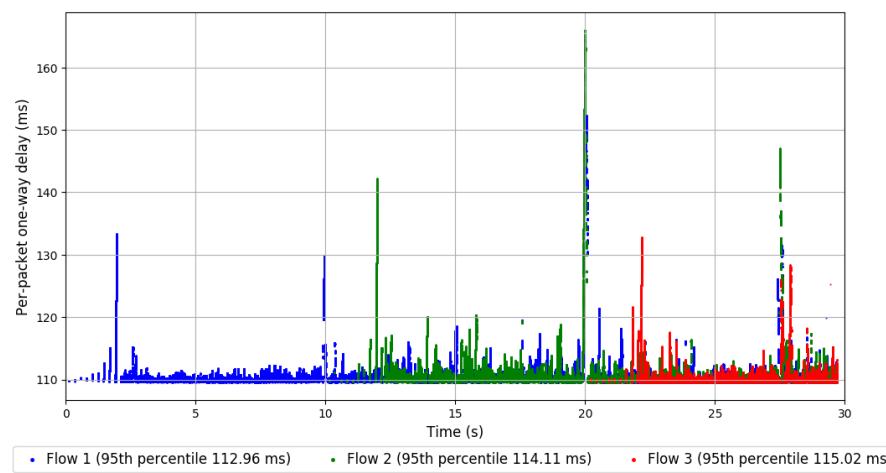
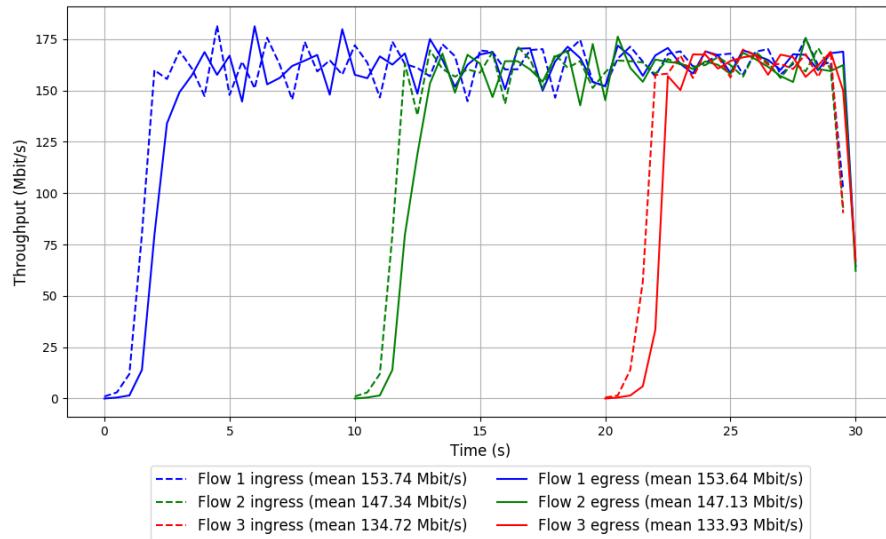


Run 3: Statistics of Indigo

```
Start at: 2019-08-26 22:44:36
End at: 2019-08-26 22:45:06
Local clock offset: -0.004 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-08-27 02:00:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.77 Mbit/s
95th percentile per-packet one-way delay: 113.608 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 153.64 Mbit/s
95th percentile per-packet one-way delay: 112.959 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 147.13 Mbit/s
95th percentile per-packet one-way delay: 114.108 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 115.024 ms
Loss rate: 2.79%
```

Run 3: Report of Indigo — Data Link

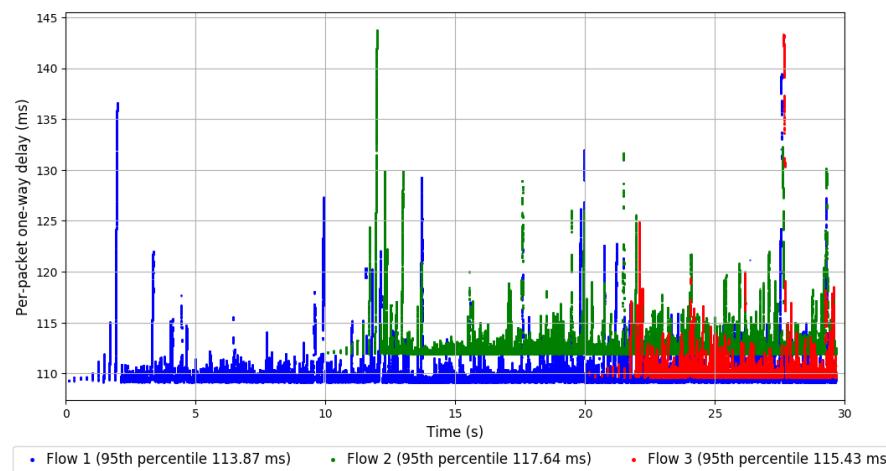
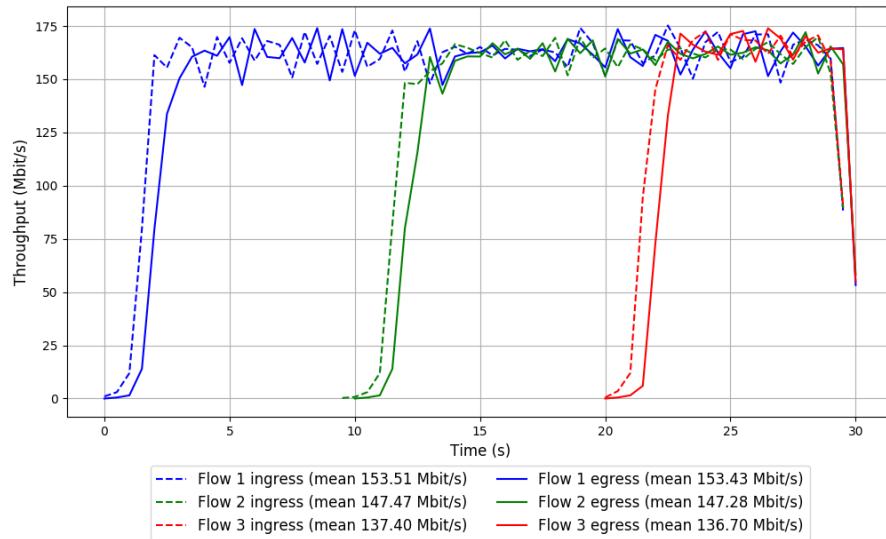


Run 4: Statistics of Indigo

```
Start at: 2019-08-26 23:28:09
End at: 2019-08-26 23:28:39
Local clock offset: -0.063 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-08-27 02:00:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.86 Mbit/s
95th percentile per-packet one-way delay: 115.763 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 153.43 Mbit/s
95th percentile per-packet one-way delay: 113.867 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 147.28 Mbit/s
95th percentile per-packet one-way delay: 117.636 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 136.70 Mbit/s
95th percentile per-packet one-way delay: 115.426 ms
Loss rate: 2.72%
```

Run 4: Report of Indigo — Data Link

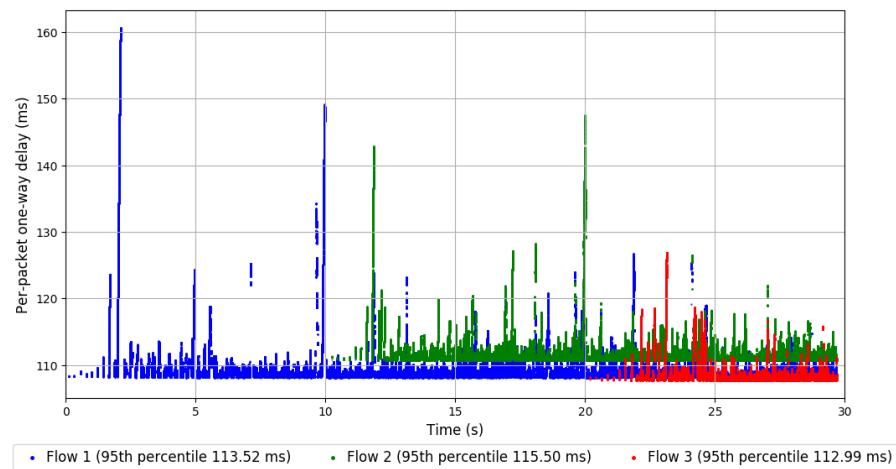
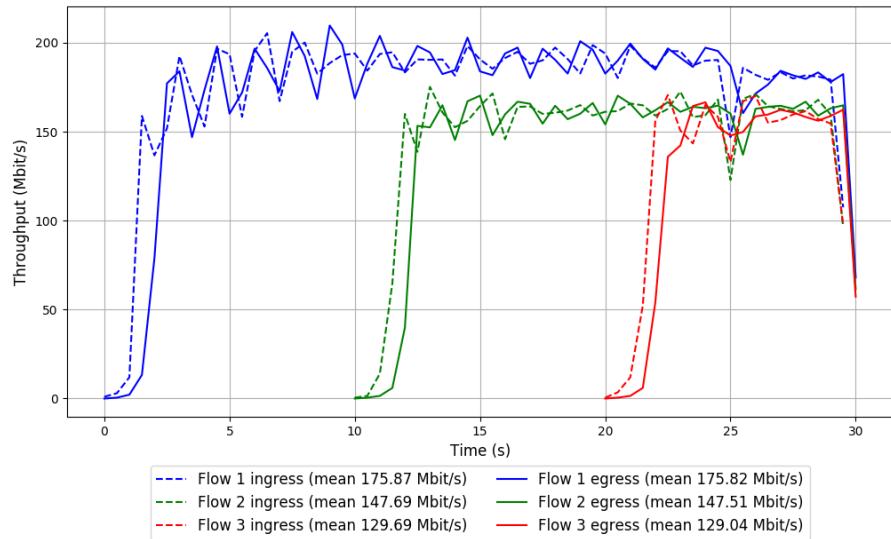


Run 5: Statistics of Indigo

```
Start at: 2019-08-27 00:12:03
End at: 2019-08-27 00:12:33
Local clock offset: 1.46 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2019-08-27 02:02:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 314.34 Mbit/s
95th percentile per-packet one-way delay: 114.427 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 175.82 Mbit/s
95th percentile per-packet one-way delay: 113.515 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 147.51 Mbit/s
95th percentile per-packet one-way delay: 115.503 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 129.04 Mbit/s
95th percentile per-packet one-way delay: 112.989 ms
Loss rate: 2.72%
```

Run 5: Report of Indigo — Data Link

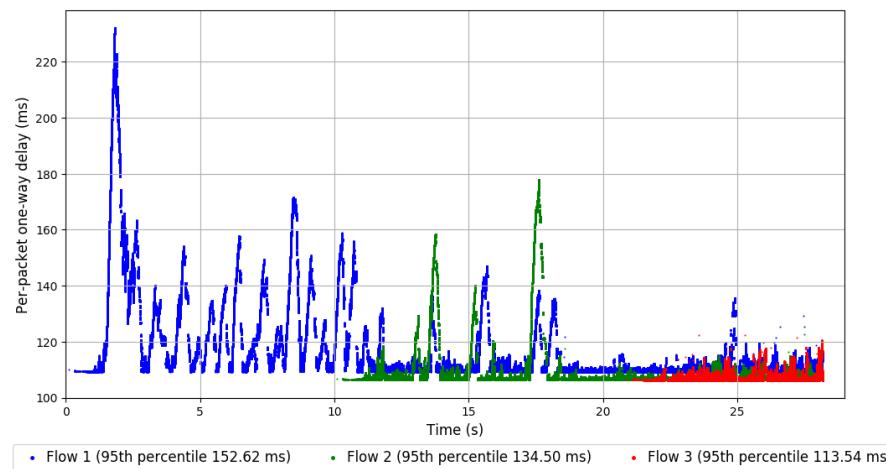
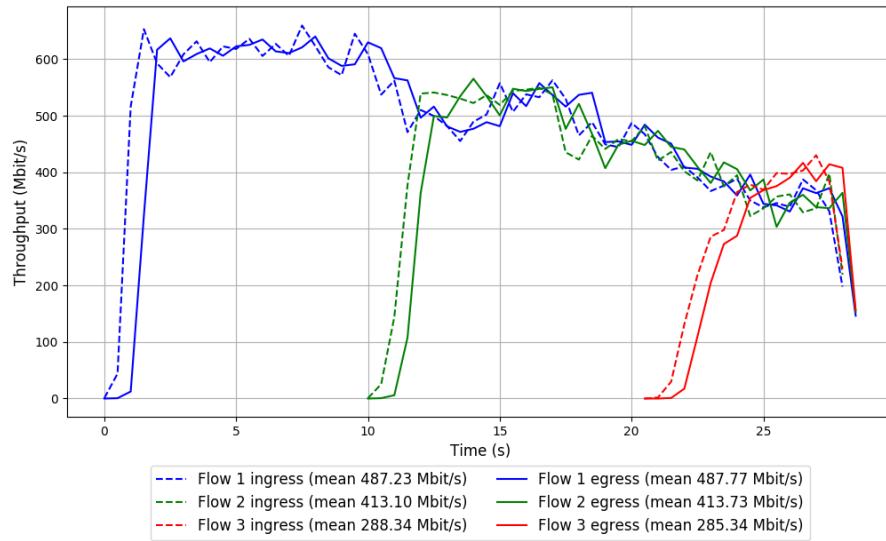


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-08-26 21:27:11
End at: 2019-08-26 21:27:41
Local clock offset: -0.431 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-08-27 02:06:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 828.13 Mbit/s
95th percentile per-packet one-way delay: 147.685 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 487.77 Mbit/s
95th percentile per-packet one-way delay: 152.615 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 413.73 Mbit/s
95th percentile per-packet one-way delay: 134.505 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 285.34 Mbit/s
95th percentile per-packet one-way delay: 113.540 ms
Loss rate: 3.66%
```

Run 1: Report of Indigo-MusesC3 — Data Link

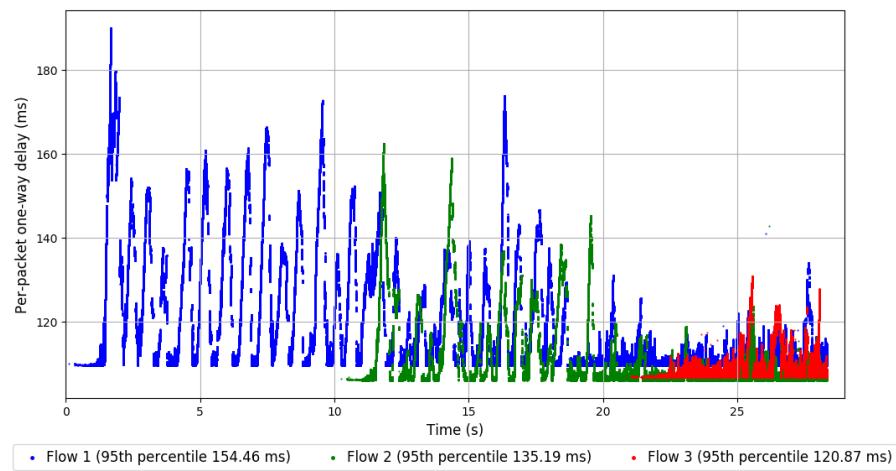
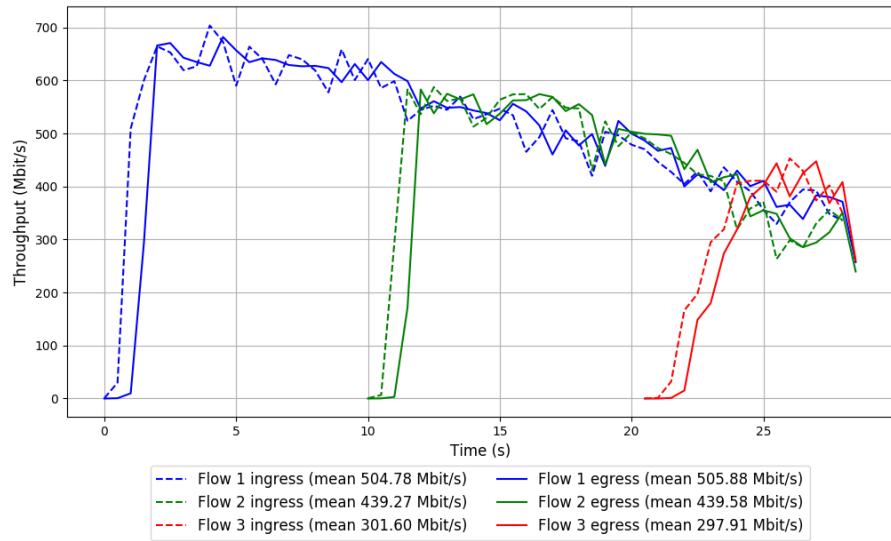


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-08-26 22:10:46
End at: 2019-08-26 22:11:16
Local clock offset: -0.009 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-08-27 02:07:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 866.25 Mbit/s
95th percentile per-packet one-way delay: 150.117 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 505.88 Mbit/s
95th percentile per-packet one-way delay: 154.462 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 439.58 Mbit/s
95th percentile per-packet one-way delay: 135.195 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 297.91 Mbit/s
95th percentile per-packet one-way delay: 120.866 ms
Loss rate: 3.95%
```

Run 2: Report of Indigo-MusesC3 — Data Link

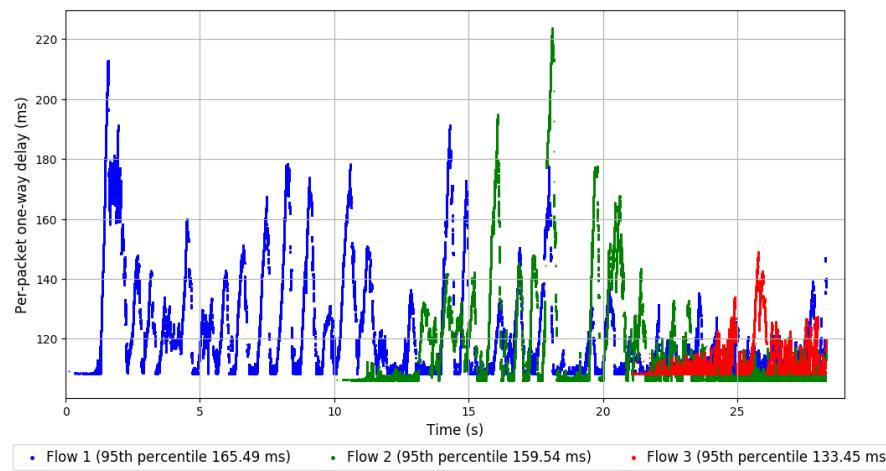
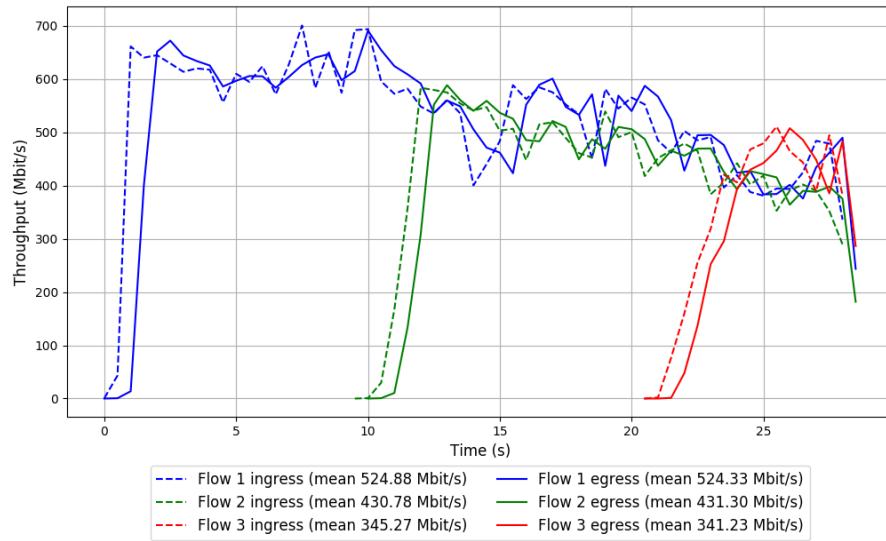


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-08-26 22:54:23
End at: 2019-08-26 22:54:53
Local clock offset: -0.632 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2019-08-27 02:08:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 892.60 Mbit/s
95th percentile per-packet one-way delay: 162.647 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 524.33 Mbit/s
95th percentile per-packet one-way delay: 165.493 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 431.30 Mbit/s
95th percentile per-packet one-way delay: 159.544 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 341.23 Mbit/s
95th percentile per-packet one-way delay: 133.453 ms
Loss rate: 3.95%
```

Run 3: Report of Indigo-MusesC3 — Data Link

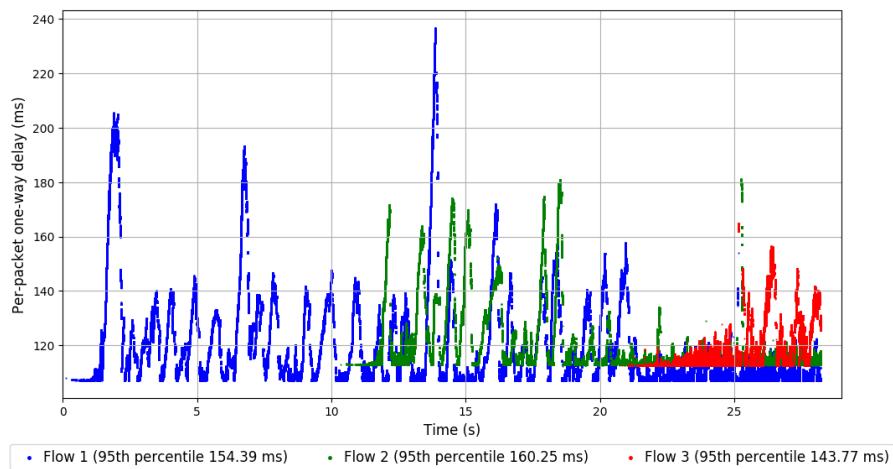
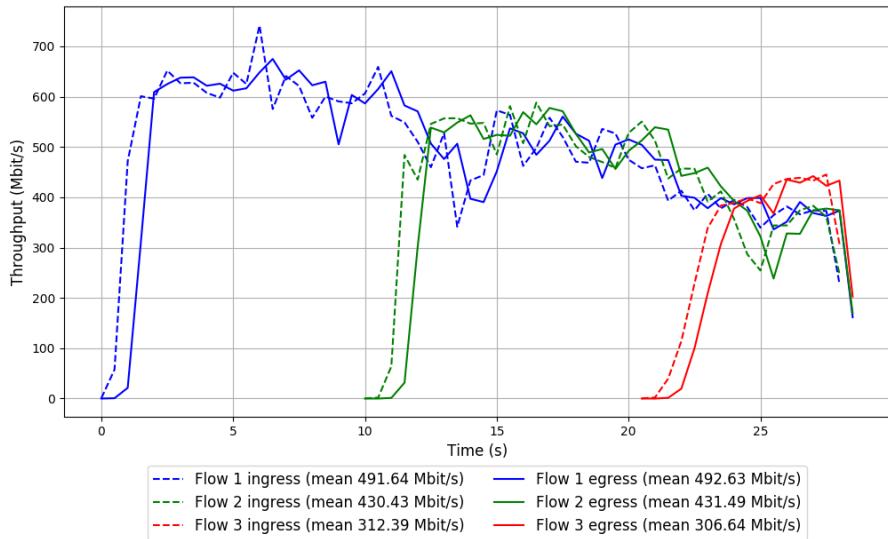


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-08-26 23:38:00
End at: 2019-08-26 23:38:30
Local clock offset: -0.043 ms
Remote clock offset: -0.523 ms

# Below is generated by plot.py at 2019-08-27 02:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 847.91 Mbit/s
95th percentile per-packet one-way delay: 156.167 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 492.63 Mbit/s
95th percentile per-packet one-way delay: 154.389 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 431.49 Mbit/s
95th percentile per-packet one-way delay: 160.245 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 306.64 Mbit/s
95th percentile per-packet one-way delay: 143.769 ms
Loss rate: 4.70%
```

Run 4: Report of Indigo-MusesC3 — Data Link

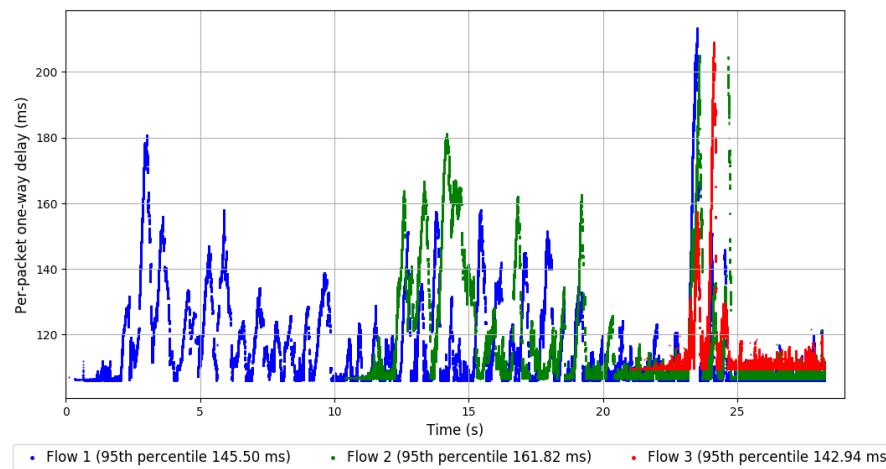
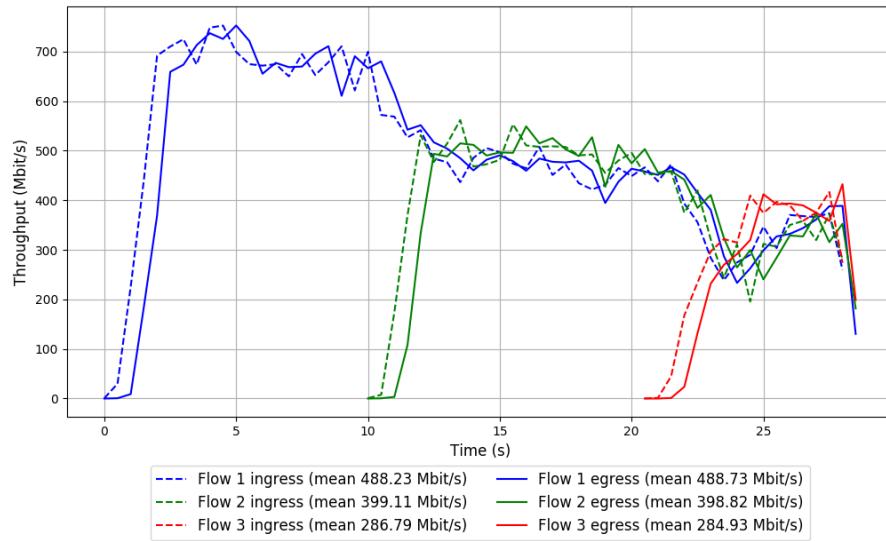


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-08-27 00:21:50
End at: 2019-08-27 00:22:20
Local clock offset: -0.022 ms
Remote clock offset: 0.219 ms

# Below is generated by plot.py at 2019-08-27 02:16:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 819.63 Mbit/s
95th percentile per-packet one-way delay: 152.505 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 488.73 Mbit/s
95th percentile per-packet one-way delay: 145.501 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 398.82 Mbit/s
95th percentile per-packet one-way delay: 161.820 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 284.93 Mbit/s
95th percentile per-packet one-way delay: 142.938 ms
Loss rate: 3.55%
```

Run 5: Report of Indigo-MusesC3 — Data Link

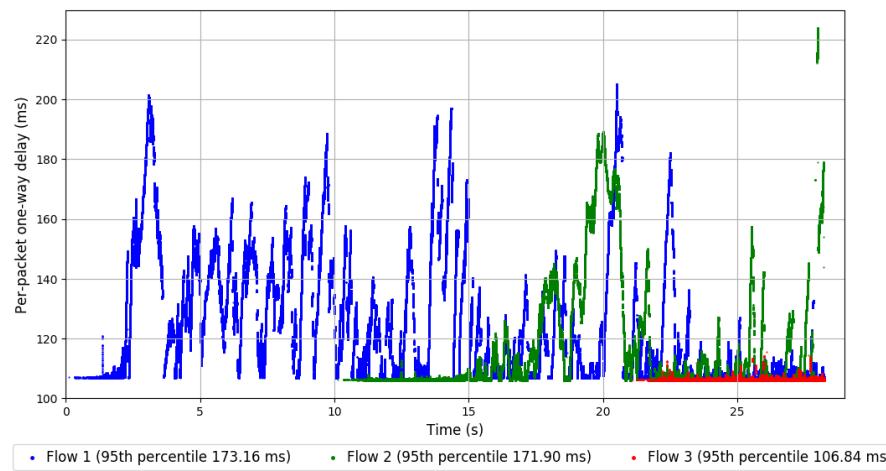
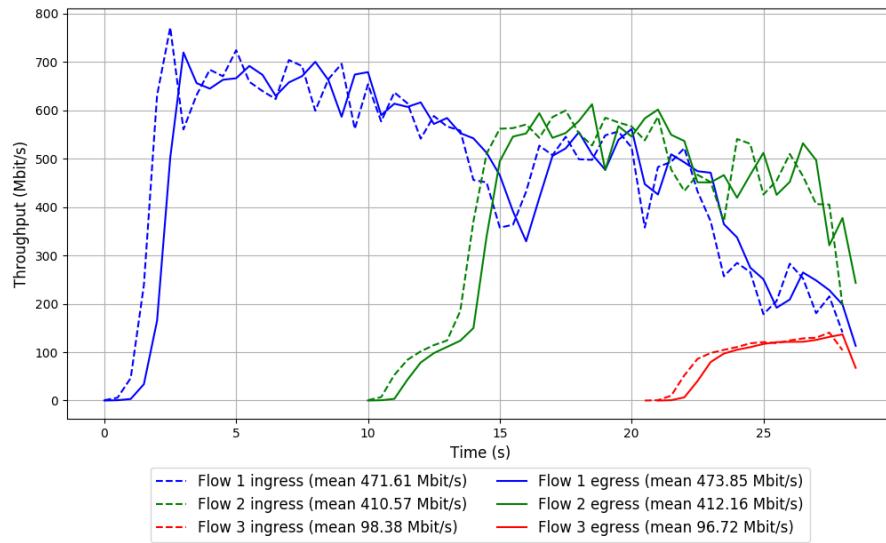


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-08-26 21:37:06
End at: 2019-08-26 21:37:36
Local clock offset: 0.148 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-08-27 02:16:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.25 Mbit/s
95th percentile per-packet one-way delay: 171.915 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 473.85 Mbit/s
95th percentile per-packet one-way delay: 173.158 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 412.16 Mbit/s
95th percentile per-packet one-way delay: 171.896 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 106.837 ms
Loss rate: 4.56%
```

Run 1: Report of Indigo-MusesC5 — Data Link

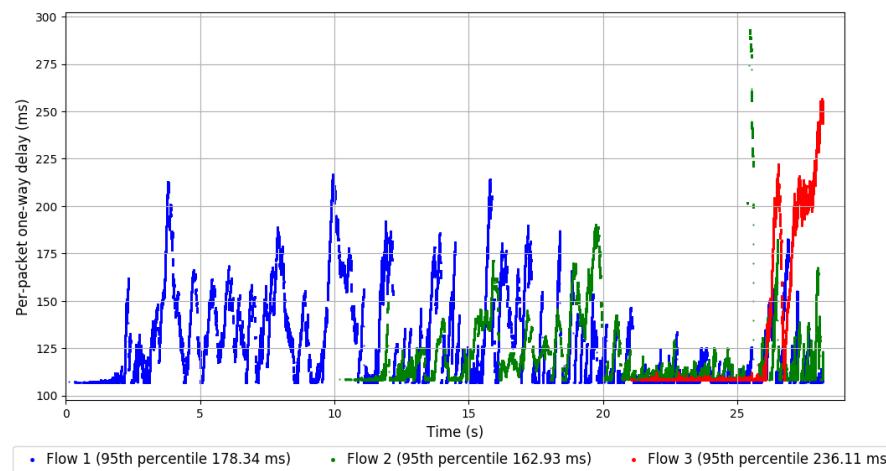
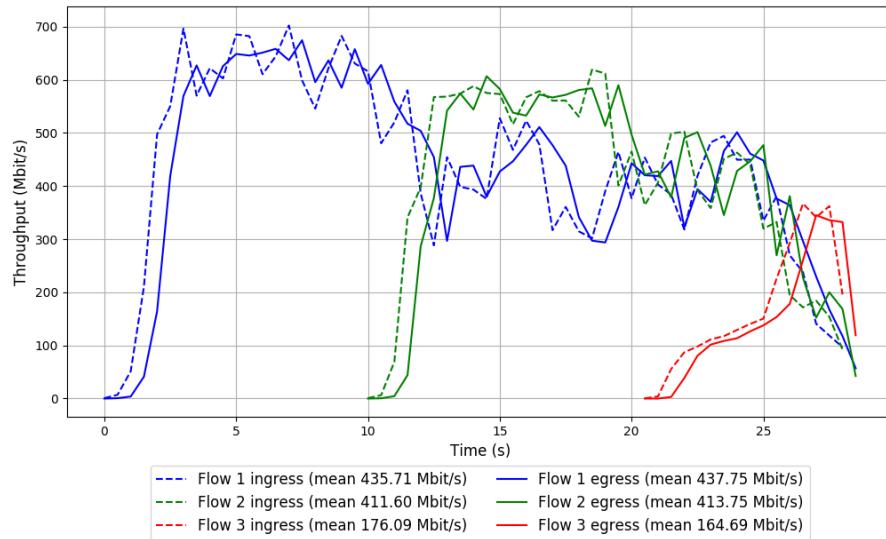


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-08-26 22:20:49
End at: 2019-08-26 22:21:19
Local clock offset: 0.022 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-08-27 02:16:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 746.44 Mbit/s
95th percentile per-packet one-way delay: 182.914 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 437.75 Mbit/s
95th percentile per-packet one-way delay: 178.344 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 413.75 Mbit/s
95th percentile per-packet one-way delay: 162.929 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 164.69 Mbit/s
95th percentile per-packet one-way delay: 236.108 ms
Loss rate: 9.14%
```

Run 2: Report of Indigo-MusesC5 — Data Link

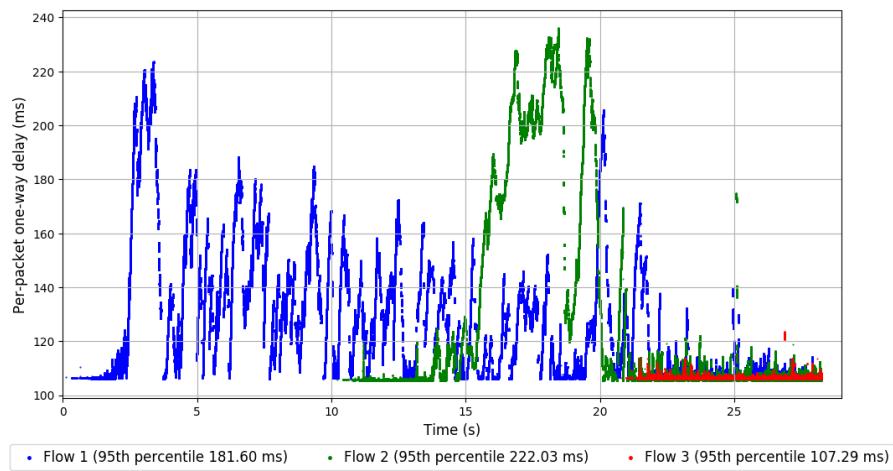
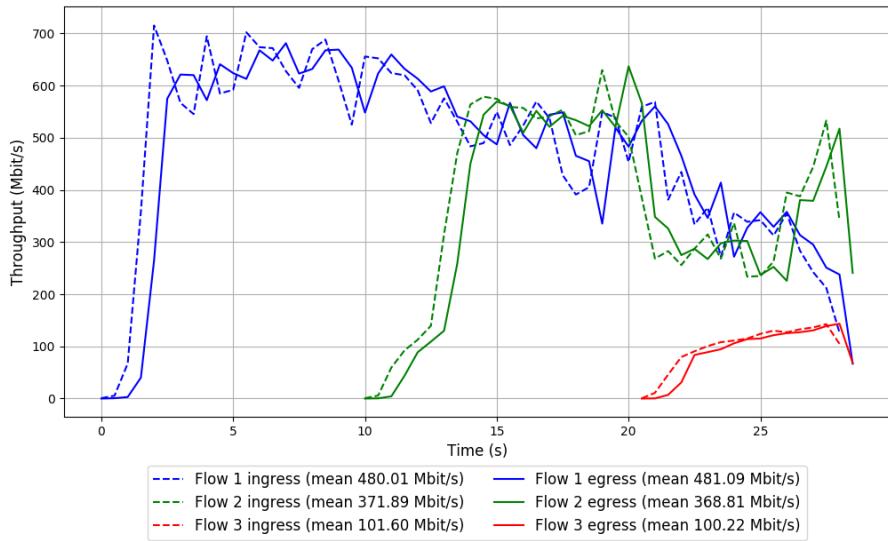


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-08-26 23:04:25
End at: 2019-08-26 23:04:55
Local clock offset: -0.206 ms
Remote clock offset: 0.23 ms

# Below is generated by plot.py at 2019-08-27 02:16:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 744.02 Mbit/s
95th percentile per-packet one-way delay: 205.819 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 481.09 Mbit/s
95th percentile per-packet one-way delay: 181.605 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 368.81 Mbit/s
95th percentile per-packet one-way delay: 222.029 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 100.22 Mbit/s
95th percentile per-packet one-way delay: 107.294 ms
Loss rate: 4.14%
```

Run 3: Report of Indigo-MusesC5 — Data Link

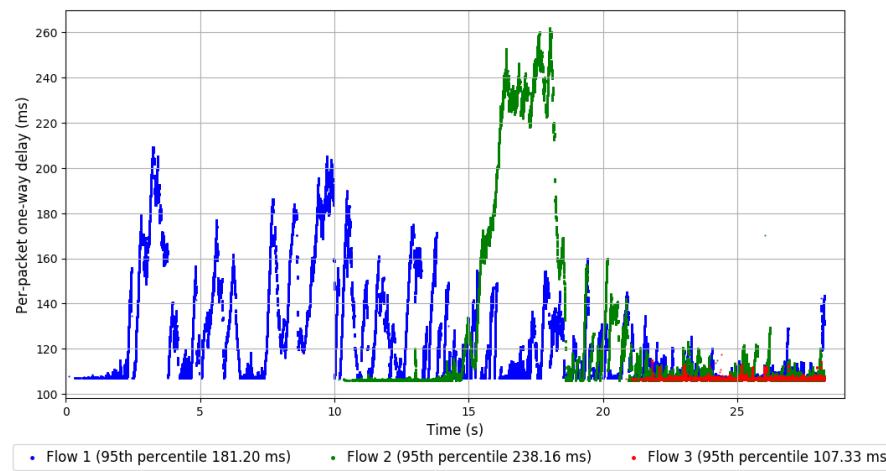
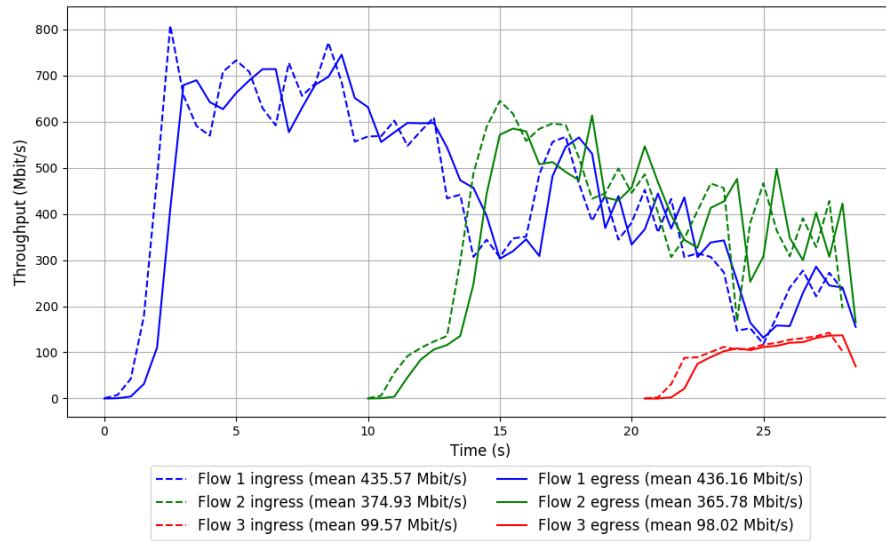


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-08-26 23:48:00
End at: 2019-08-26 23:48:30
Local clock offset: -0.086 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2019-08-27 02:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 697.20 Mbit/s
95th percentile per-packet one-way delay: 219.118 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 436.16 Mbit/s
95th percentile per-packet one-way delay: 181.203 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 365.78 Mbit/s
95th percentile per-packet one-way delay: 238.164 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 98.02 Mbit/s
95th percentile per-packet one-way delay: 107.331 ms
Loss rate: 4.34%
```

Run 4: Report of Indigo-MusesC5 — Data Link

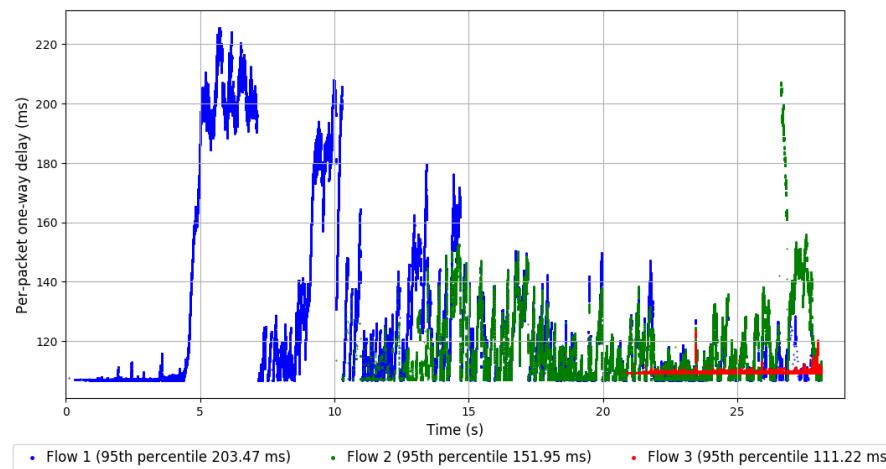
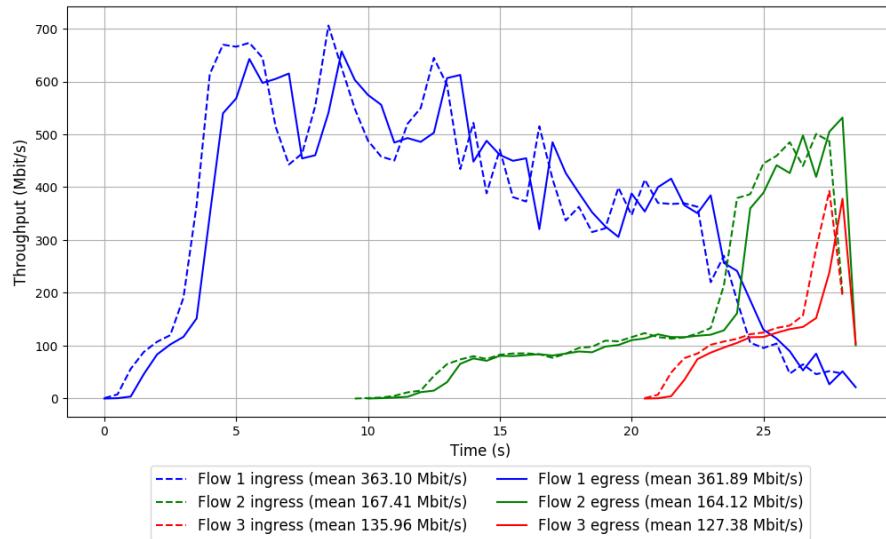


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-08-27 00:31:46
End at: 2019-08-27 00:32:16
Local clock offset: 0.004 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2019-08-27 02:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.61 Mbit/s
95th percentile per-packet one-way delay: 200.904 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 361.89 Mbit/s
95th percentile per-packet one-way delay: 203.473 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 164.12 Mbit/s
95th percentile per-packet one-way delay: 151.950 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 127.38 Mbit/s
95th percentile per-packet one-way delay: 111.219 ms
Loss rate: 8.97%
```

Run 5: Report of Indigo-MusesC5 — Data Link

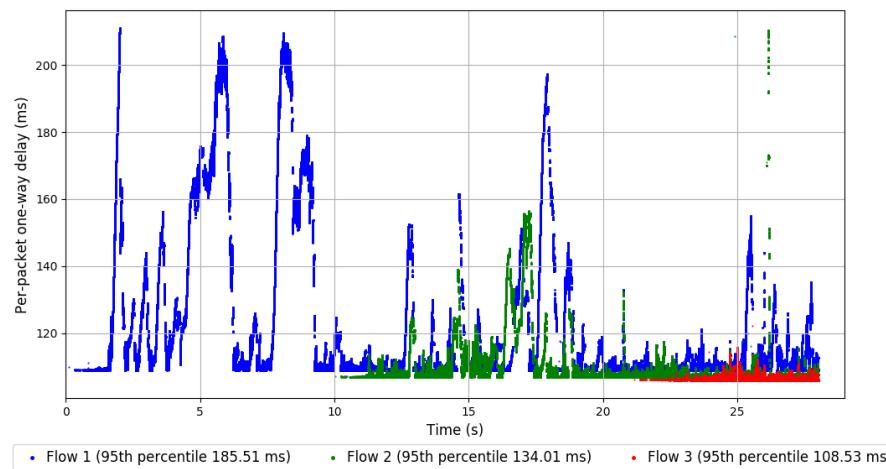
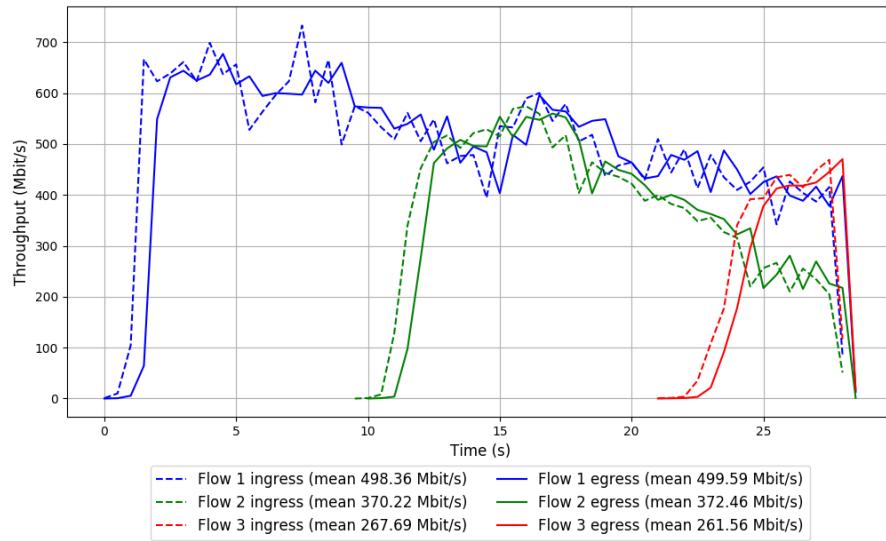


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 21:08:07
End at: 2019-08-26 21:08:37
Local clock offset: 0.06 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-08-27 02:23:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.61 Mbit/s
95th percentile per-packet one-way delay: 171.907 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 499.59 Mbit/s
95th percentile per-packet one-way delay: 185.506 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 372.46 Mbit/s
95th percentile per-packet one-way delay: 134.010 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 261.56 Mbit/s
95th percentile per-packet one-way delay: 108.535 ms
Loss rate: 5.27%
```

Run 1: Report of Indigo-MusesD — Data Link

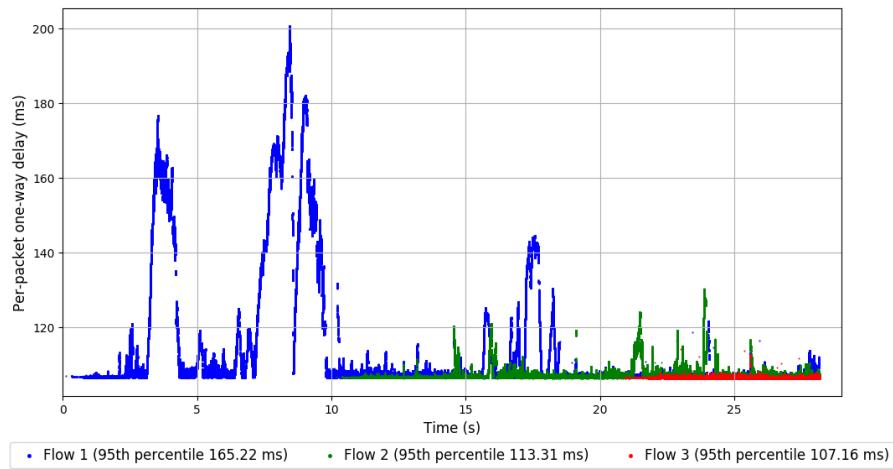
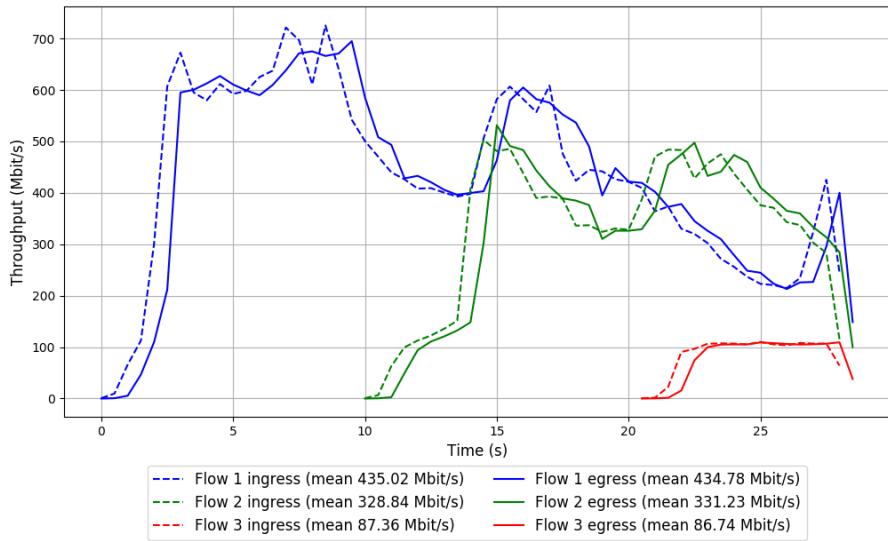


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-08-26 21:51:43
End at: 2019-08-26 21:52:13
Local clock offset: -0.174 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-08-27 02:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 670.09 Mbit/s
95th percentile per-packet one-way delay: 160.136 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 434.78 Mbit/s
95th percentile per-packet one-way delay: 165.215 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 331.23 Mbit/s
95th percentile per-packet one-way delay: 113.305 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 107.155 ms
Loss rate: 3.56%
```

Run 2: Report of Indigo-MusesD — Data Link

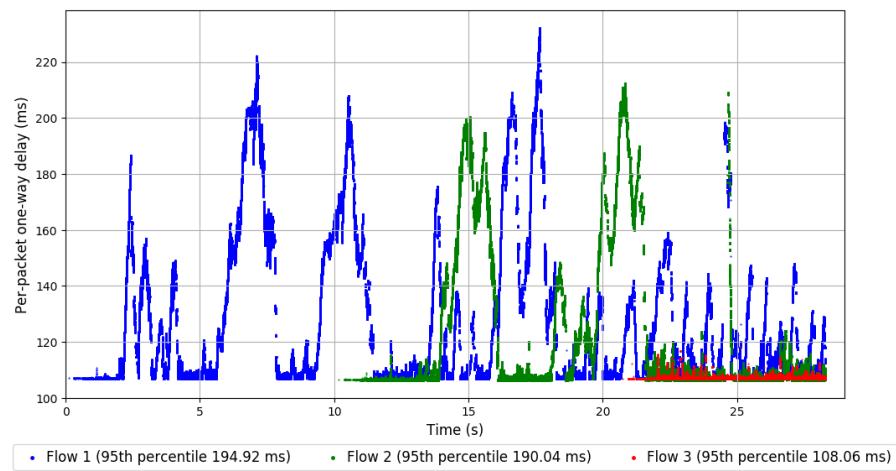
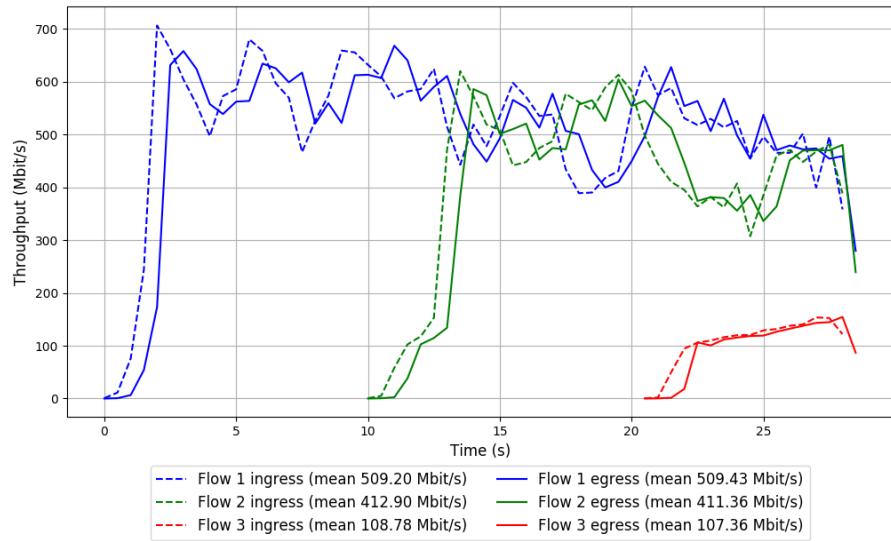


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-08-26 22:35:02
End at: 2019-08-26 22:35:32
Local clock offset: 0.11 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-08-27 02:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.53 Mbit/s
95th percentile per-packet one-way delay: 192.307 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 509.43 Mbit/s
95th percentile per-packet one-way delay: 194.918 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 411.36 Mbit/s
95th percentile per-packet one-way delay: 190.042 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 107.36 Mbit/s
95th percentile per-packet one-way delay: 108.056 ms
Loss rate: 4.05%
```

Run 3: Report of Indigo-MusesD — Data Link

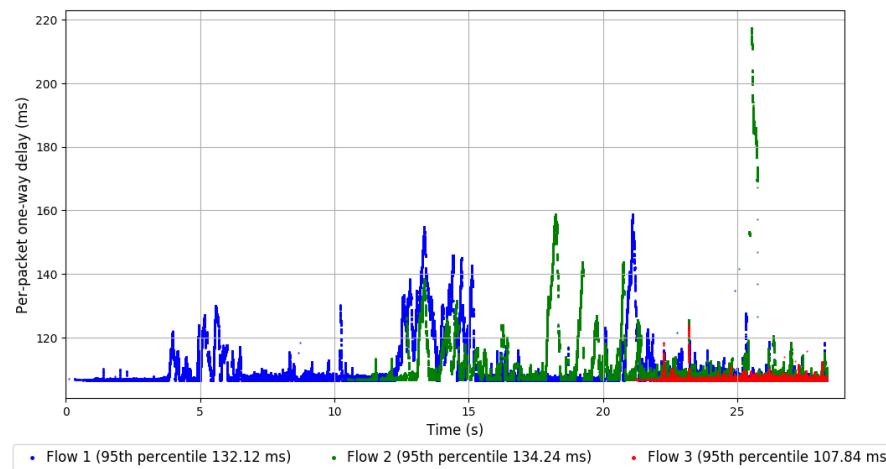
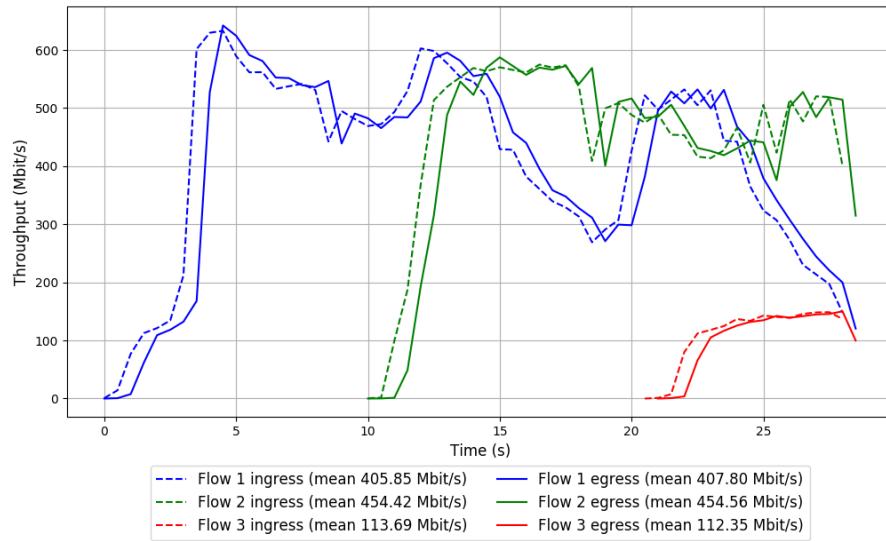


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-08-26 23:18:46
End at: 2019-08-26 23:19:16
Local clock offset: 0.013 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2019-08-27 02:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 727.80 Mbit/s
95th percentile per-packet one-way delay: 132.236 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 407.80 Mbit/s
95th percentile per-packet one-way delay: 132.125 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 454.56 Mbit/s
95th percentile per-packet one-way delay: 134.241 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 112.35 Mbit/s
95th percentile per-packet one-way delay: 107.840 ms
Loss rate: 3.99%
```

Run 4: Report of Indigo-MusesD — Data Link

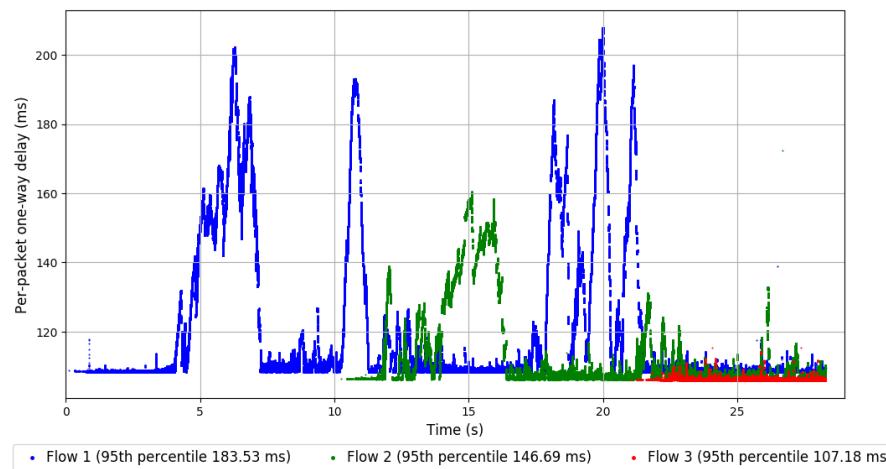
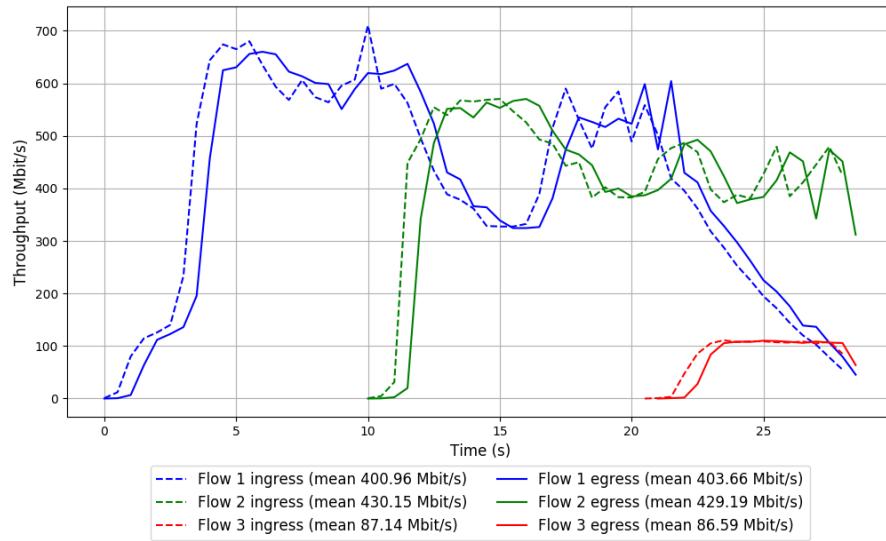


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-08-27 00:02:35
End at: 2019-08-27 00:03:05
Local clock offset: -0.663 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2019-08-27 02:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 700.69 Mbit/s
95th percentile per-packet one-way delay: 172.896 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 403.66 Mbit/s
95th percentile per-packet one-way delay: 183.532 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 429.19 Mbit/s
95th percentile per-packet one-way delay: 146.693 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 107.176 ms
Loss rate: 3.54%
```

Run 5: Report of Indigo-MusesD — Data Link

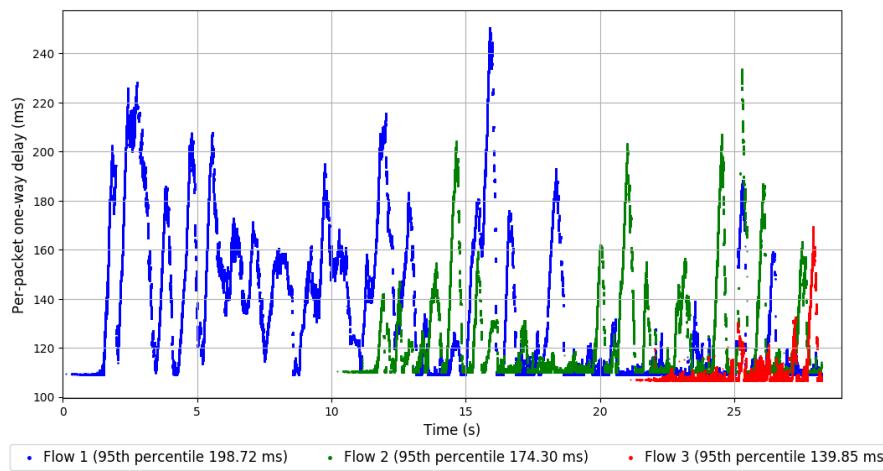
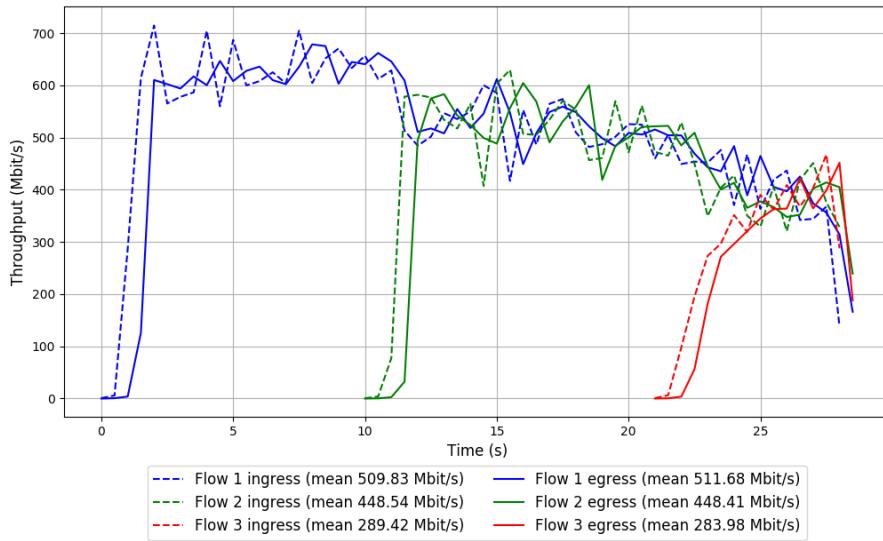


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-08-26 21:15:28
End at: 2019-08-26 21:15:58
Local clock offset: 0.135 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-08-27 02:33:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 870.35 Mbit/s
95th percentile per-packet one-way delay: 189.955 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 511.68 Mbit/s
95th percentile per-packet one-way delay: 198.725 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 448.41 Mbit/s
95th percentile per-packet one-way delay: 174.303 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 283.98 Mbit/s
95th percentile per-packet one-way delay: 139.847 ms
Loss rate: 4.76%
```

Run 1: Report of Indigo-MusesT — Data Link

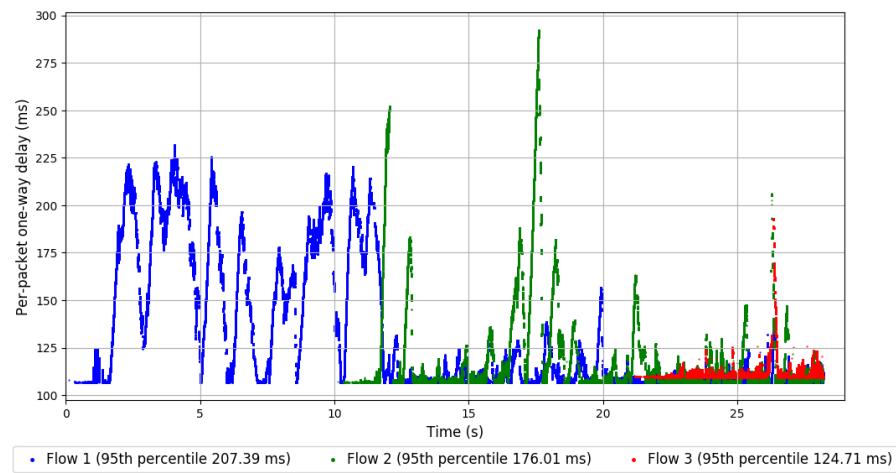
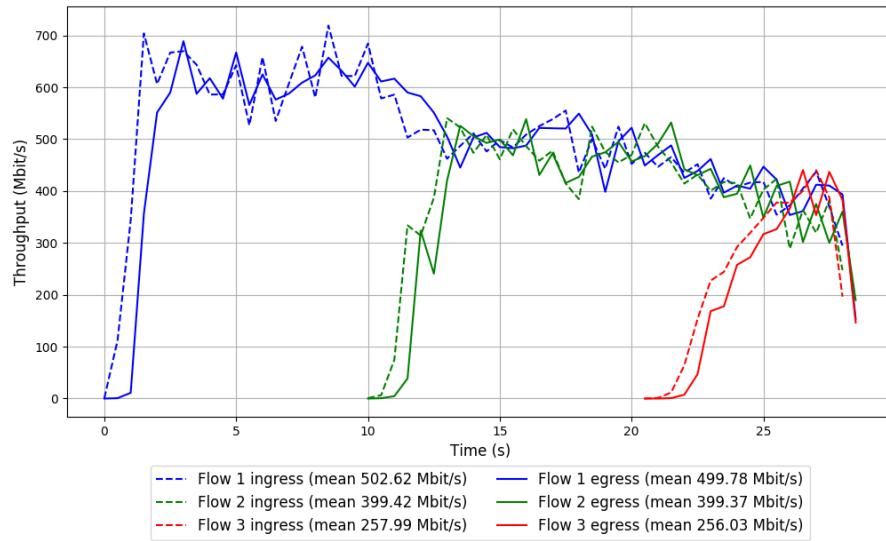


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-08-26 21:59:00
End at: 2019-08-26 21:59:30
Local clock offset: -0.051 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-08-27 02:33:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 822.65 Mbit/s
95th percentile per-packet one-way delay: 203.580 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 499.78 Mbit/s
95th percentile per-packet one-way delay: 207.393 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 399.37 Mbit/s
95th percentile per-packet one-way delay: 176.011 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 256.03 Mbit/s
95th percentile per-packet one-way delay: 124.712 ms
Loss rate: 3.65%
```

Run 2: Report of Indigo-MusesT — Data Link

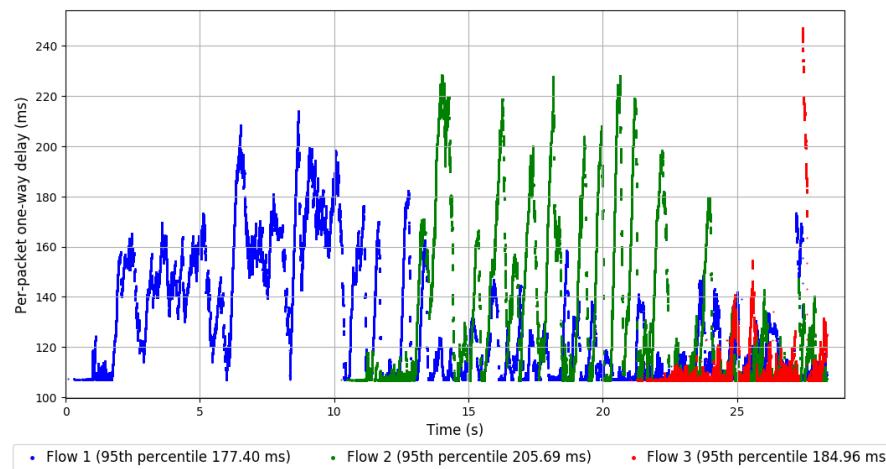
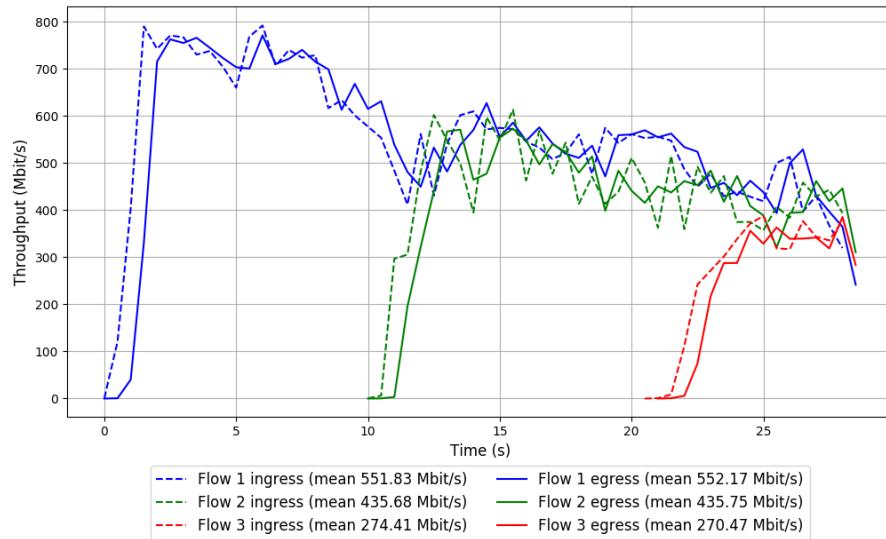


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-08-26 22:42:31
End at: 2019-08-26 22:43:01
Local clock offset: 0.037 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2019-08-27 02:37:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 900.74 Mbit/s
95th percentile per-packet one-way delay: 189.117 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 552.17 Mbit/s
95th percentile per-packet one-way delay: 177.401 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 435.75 Mbit/s
95th percentile per-packet one-way delay: 205.695 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 270.47 Mbit/s
95th percentile per-packet one-way delay: 184.964 ms
Loss rate: 4.22%
```

Run 3: Report of Indigo-MusesT — Data Link

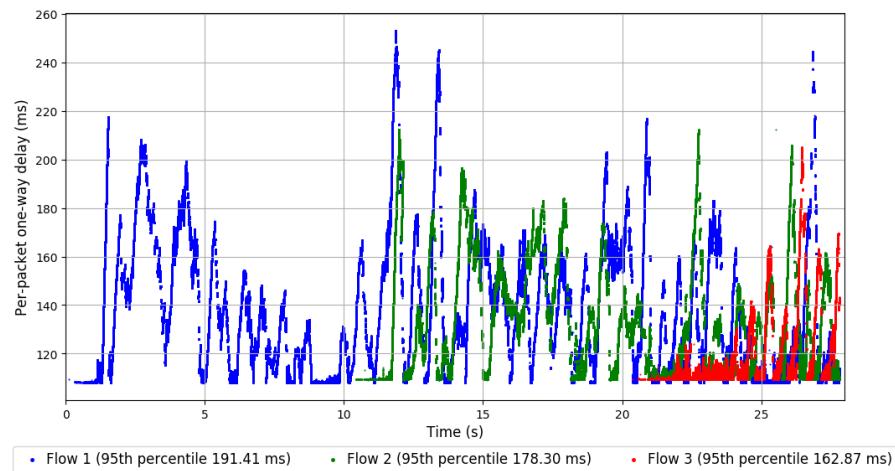
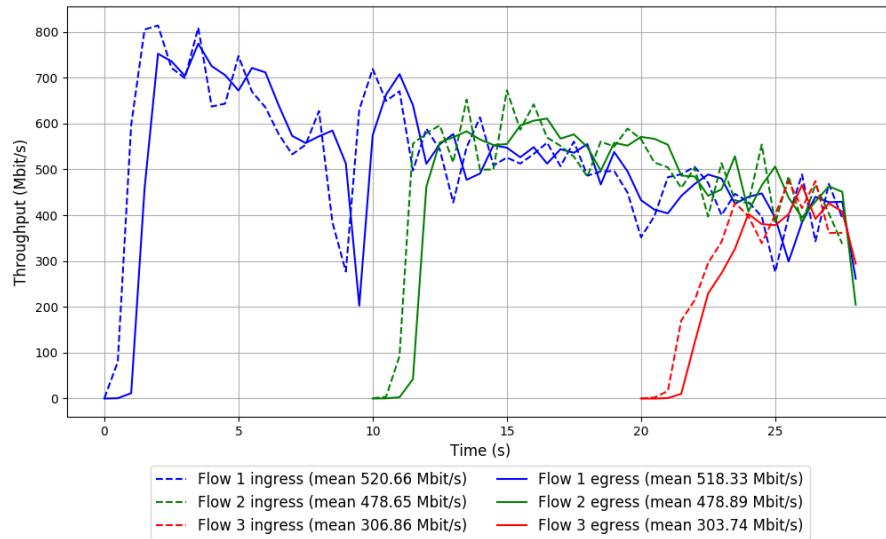


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-08-26 23:26:03
End at: 2019-08-26 23:26:33
Local clock offset: -0.305 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 904.03 Mbit/s
95th percentile per-packet one-way delay: 184.082 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 518.33 Mbit/s
95th percentile per-packet one-way delay: 191.414 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 478.89 Mbit/s
95th percentile per-packet one-way delay: 178.299 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 303.74 Mbit/s
95th percentile per-packet one-way delay: 162.874 ms
Loss rate: 3.87%
```

Run 4: Report of Indigo-MusesT — Data Link

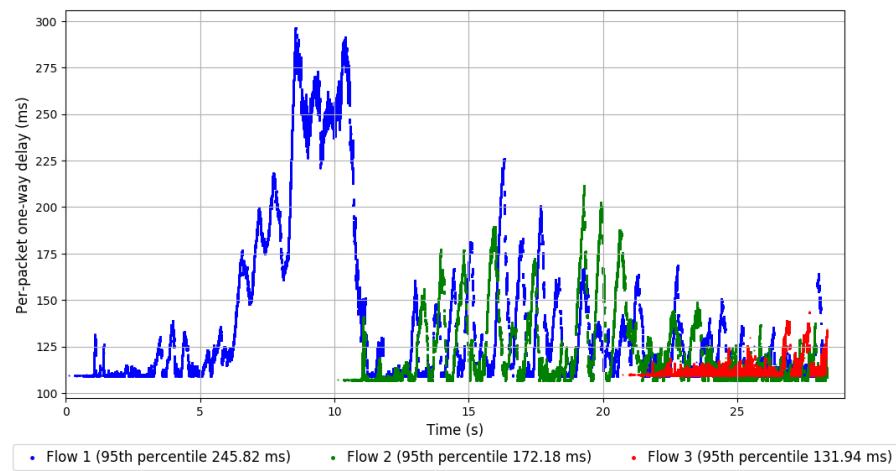
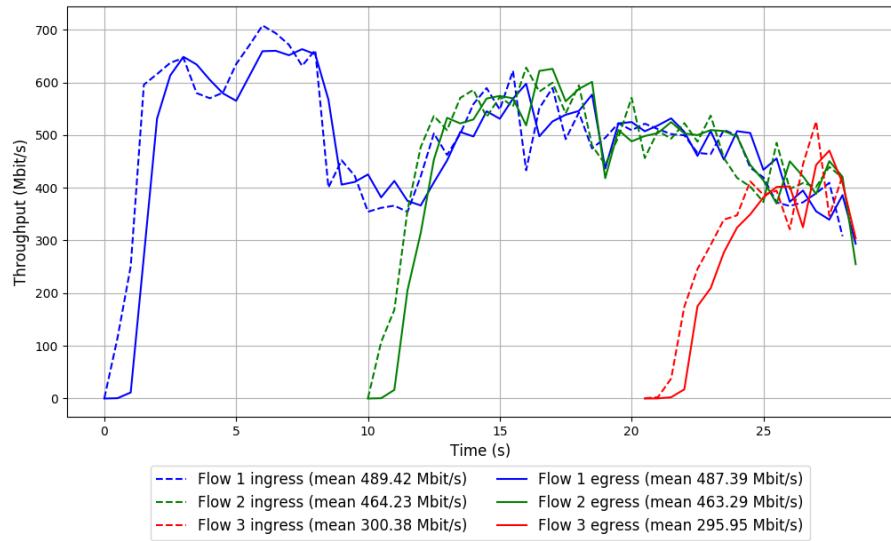


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-08-27 00:09:58
End at: 2019-08-27 00:10:28
Local clock offset: -0.004 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 866.05 Mbit/s
95th percentile per-packet one-way delay: 200.317 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 487.39 Mbit/s
95th percentile per-packet one-way delay: 245.818 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 463.29 Mbit/s
95th percentile per-packet one-way delay: 172.179 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 295.95 Mbit/s
95th percentile per-packet one-way delay: 131.935 ms
Loss rate: 4.25%
```

Run 5: Report of Indigo-MusesT — Data Link

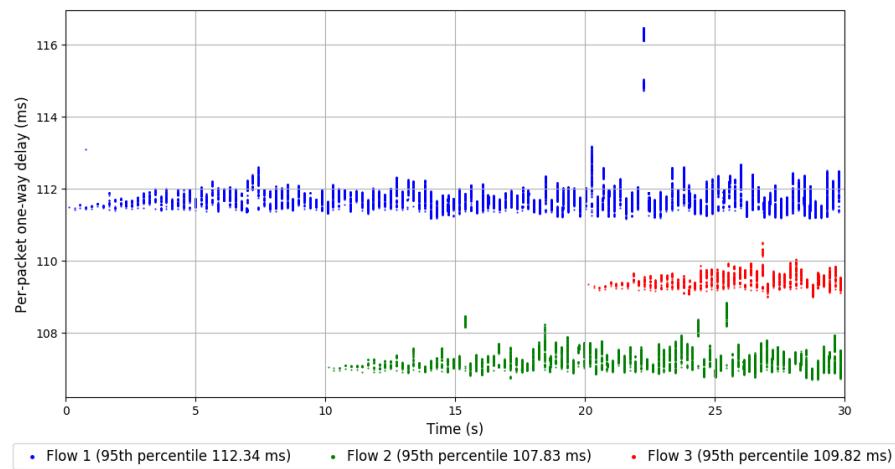
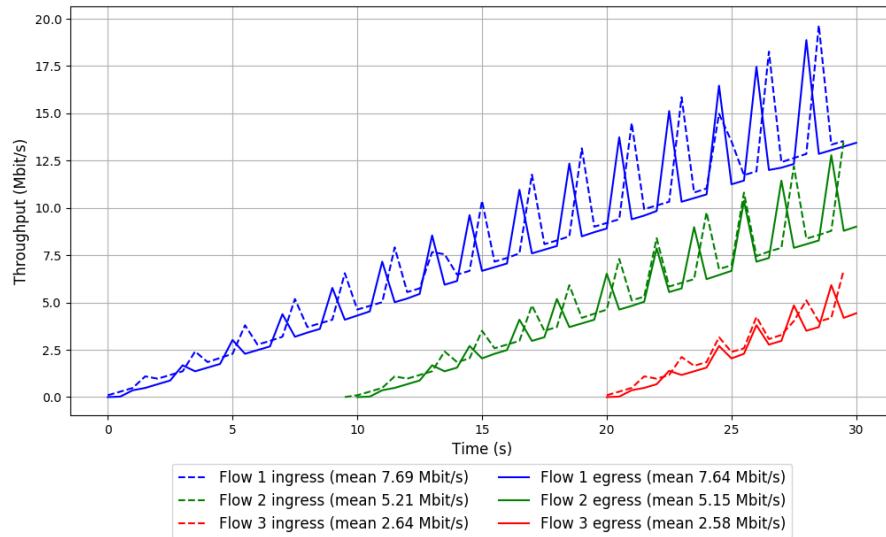


Run 1: Statistics of LEDBAT

```
Start at: 2019-08-26 21:14:09
End at: 2019-08-26 21:14:39
Local clock offset: 0.015 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 112.240 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 112.344 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 107.830 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 109.822 ms
Loss rate: 4.36%
```

Run 1: Report of LEDBAT — Data Link

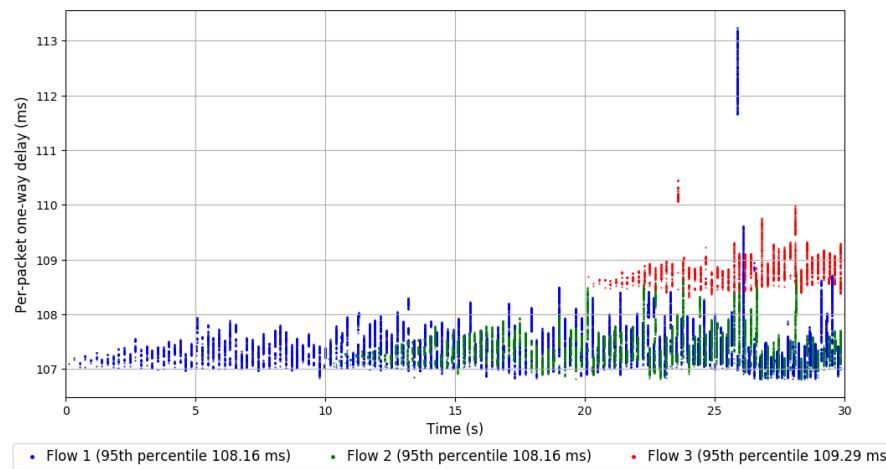
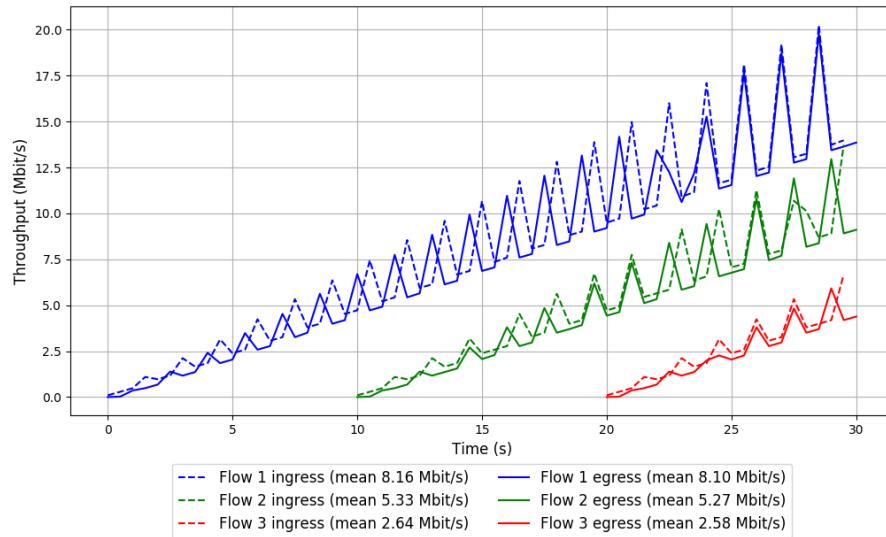


Run 2: Statistics of LEDBAT

```
Start at: 2019-08-26 21:57:42
End at: 2019-08-26 21:58:12
Local clock offset: 0.038 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 108.750 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 108.156 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 108.164 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 109.294 ms
Loss rate: 4.37%
```

Run 2: Report of LEDBAT — Data Link

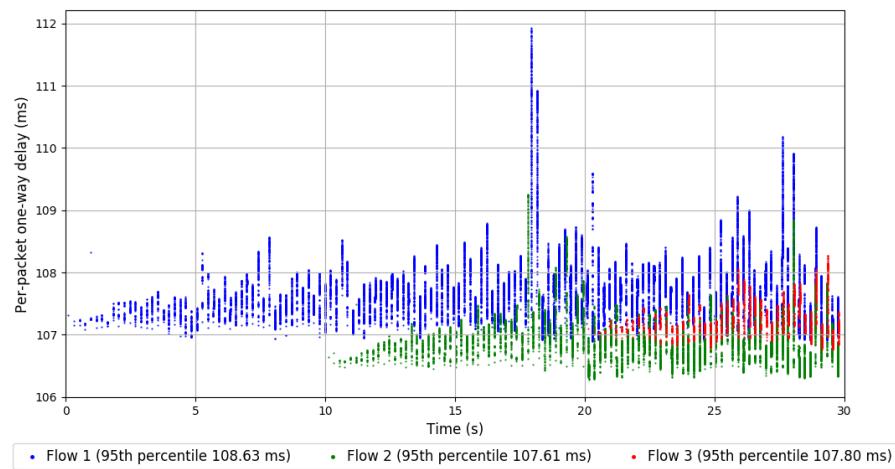
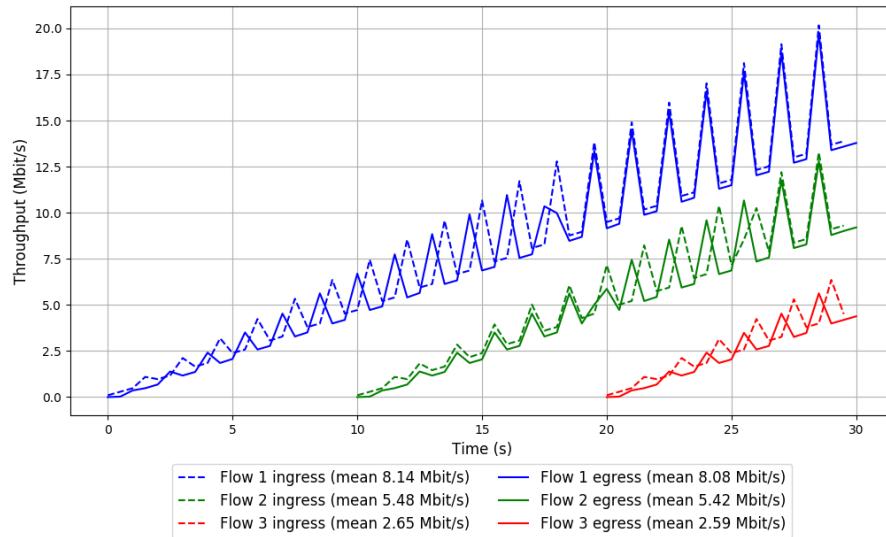


Run 3: Statistics of LEDBAT

```
Start at: 2019-08-26 22:41:12
End at: 2019-08-26 22:41:42
Local clock offset: 0.101 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 108.405 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 108.632 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 107.609 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 107.797 ms
Loss rate: 4.37%
```

Run 3: Report of LEDBAT — Data Link

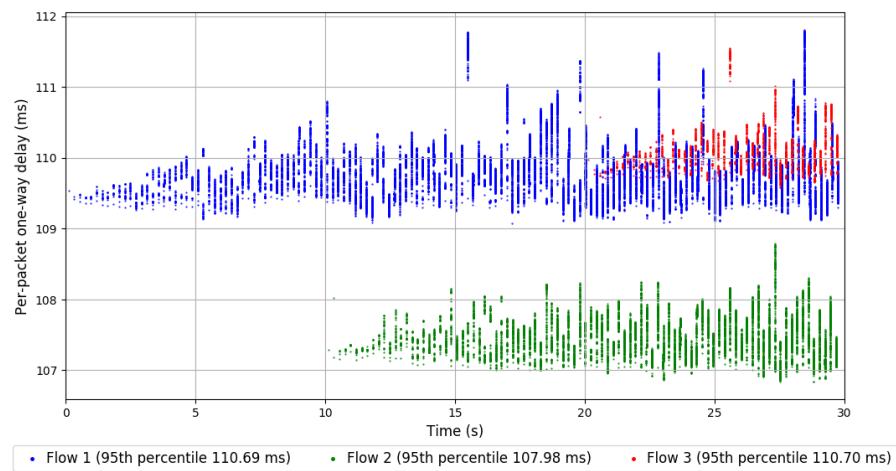
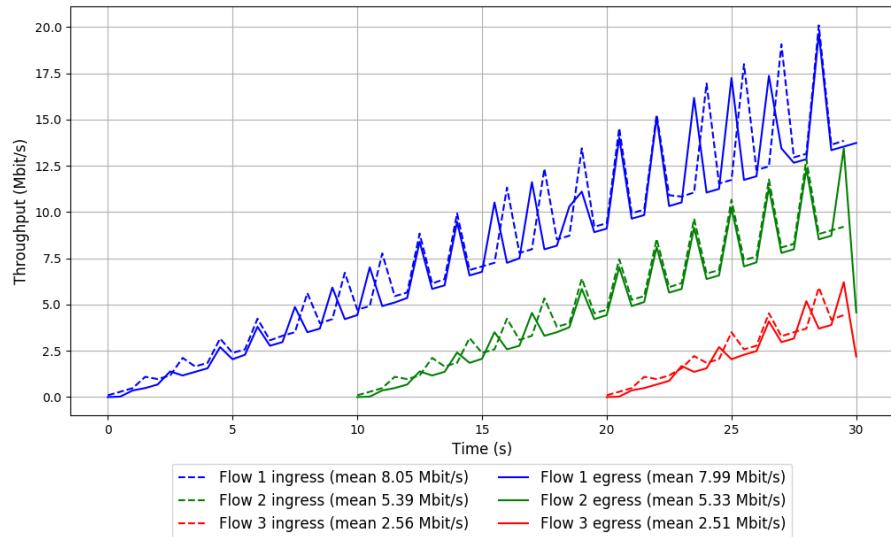


Run 4: Statistics of LEDBAT

```
Start at: 2019-08-26 23:24:45
End at: 2019-08-26 23:25:15
Local clock offset: -0.041 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 110.525 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 110.691 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 107.982 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 4.46%
```

Run 4: Report of LEDBAT — Data Link

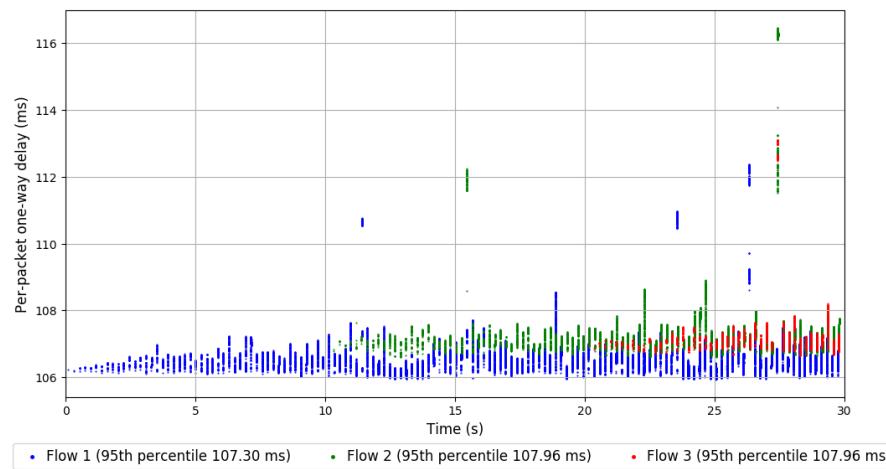
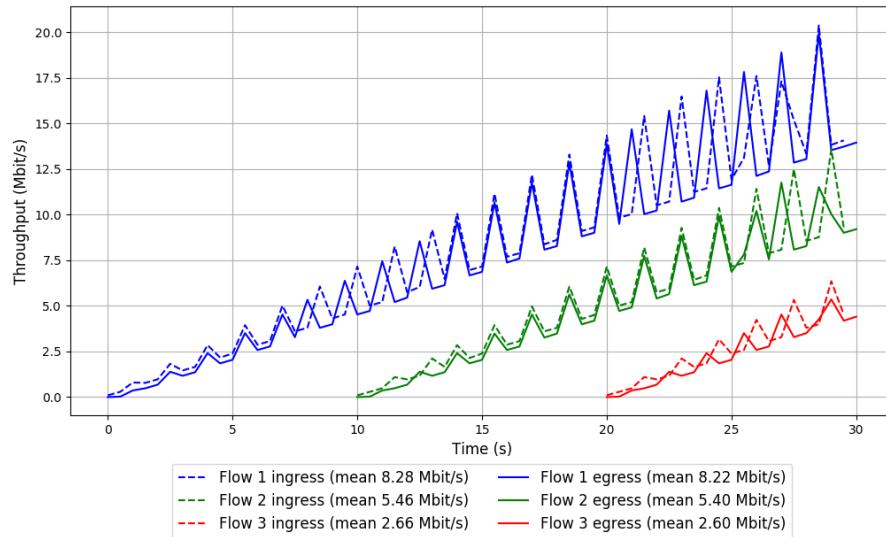


Run 5: Statistics of LEDBAT

```
Start at: 2019-08-27 00:08:40
End at: 2019-08-27 00:09:10
Local clock offset: -0.044 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2019-08-27 02:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 107.615 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 107.295 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 107.958 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 107.964 ms
Loss rate: 4.36%
```

Run 5: Report of LEDBAT — Data Link

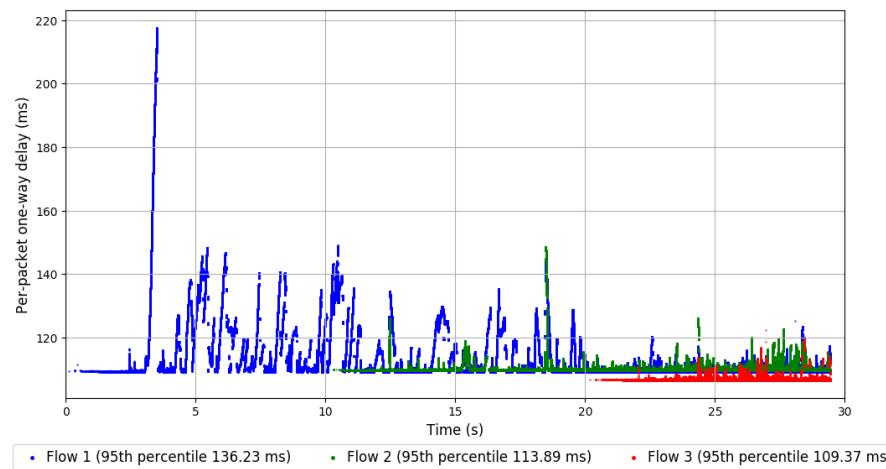
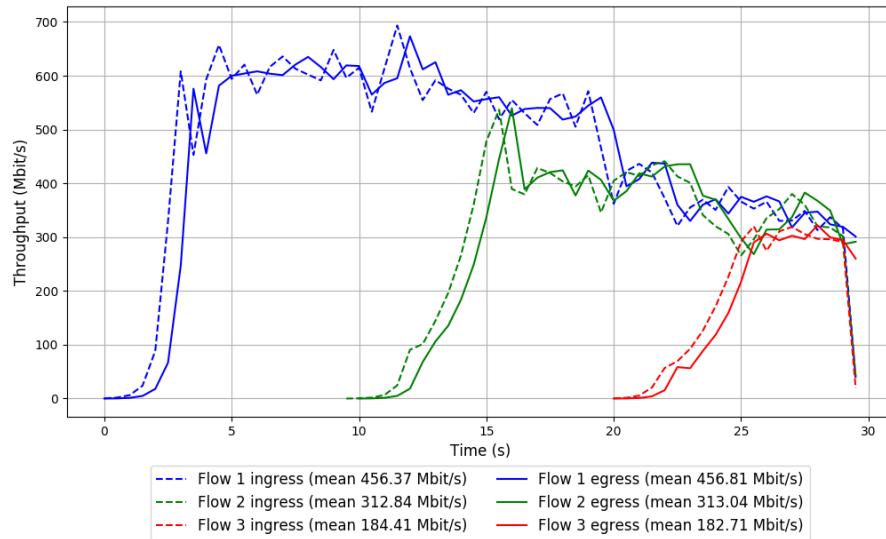


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 21:04:22
End at: 2019-08-26 21:04:52
Local clock offset: -0.044 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2019-08-27 02:45:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 720.78 Mbit/s
95th percentile per-packet one-way delay: 131.226 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 456.81 Mbit/s
95th percentile per-packet one-way delay: 136.228 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 313.04 Mbit/s
95th percentile per-packet one-way delay: 113.892 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 182.71 Mbit/s
95th percentile per-packet one-way delay: 109.373 ms
Loss rate: 3.19%
```

Run 1: Report of Muses_DecisionTree — Data Link

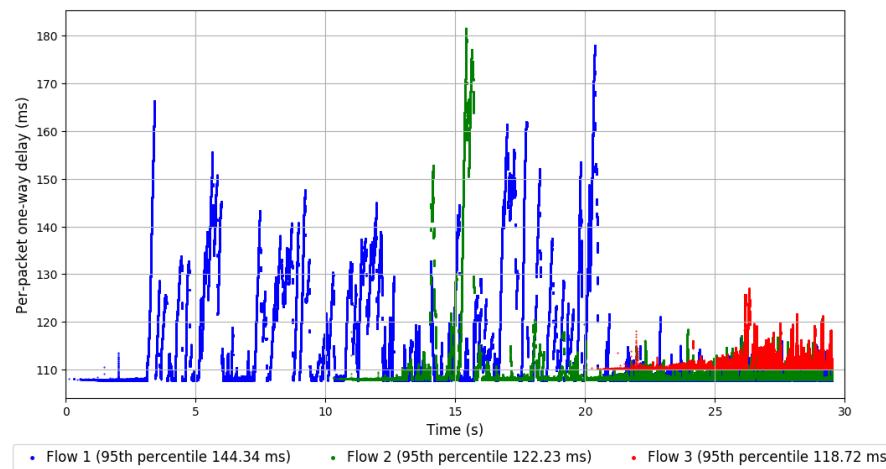
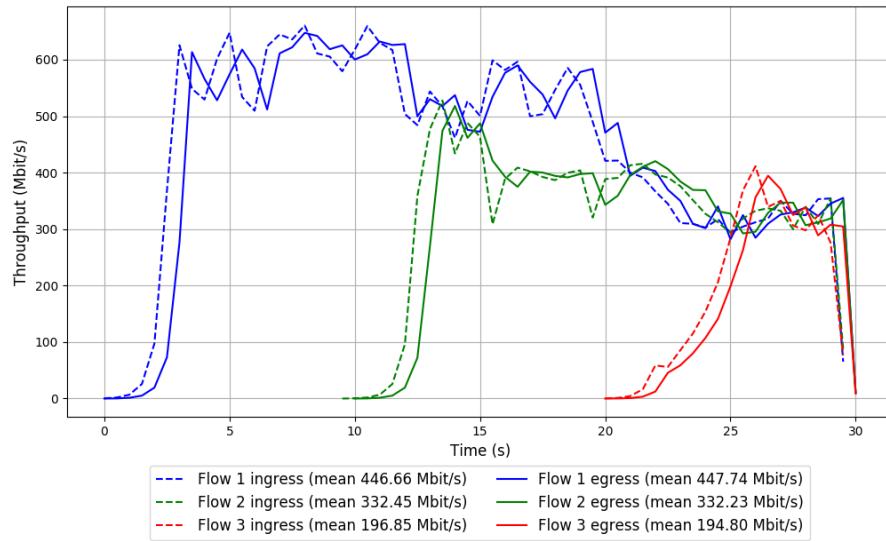


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 21:47:50
End at: 2019-08-26 21:48:20
Local clock offset: 0.808 ms
Remote clock offset: -0.413 ms

# Below is generated by plot.py at 2019-08-27 02:45:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 728.50 Mbit/s
95th percentile per-packet one-way delay: 141.582 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 447.74 Mbit/s
95th percentile per-packet one-way delay: 144.335 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 332.23 Mbit/s
95th percentile per-packet one-way delay: 122.231 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 194.80 Mbit/s
95th percentile per-packet one-way delay: 118.724 ms
Loss rate: 3.35%
```

Run 2: Report of Muses_DecisionTree — Data Link

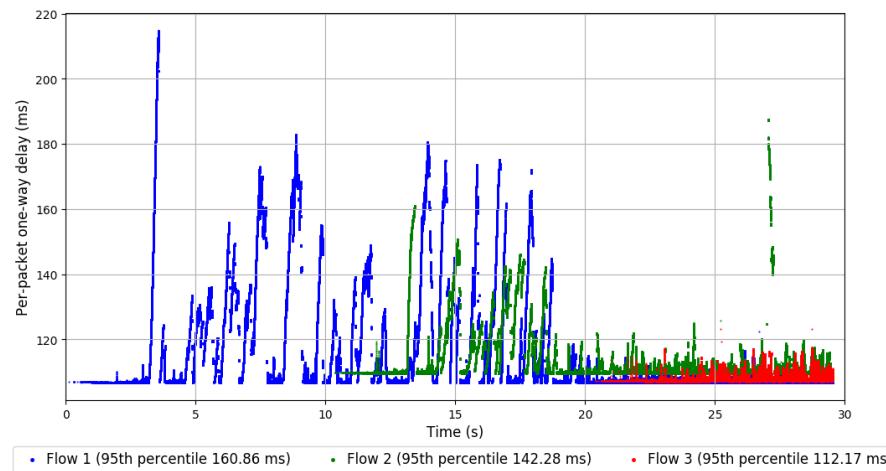
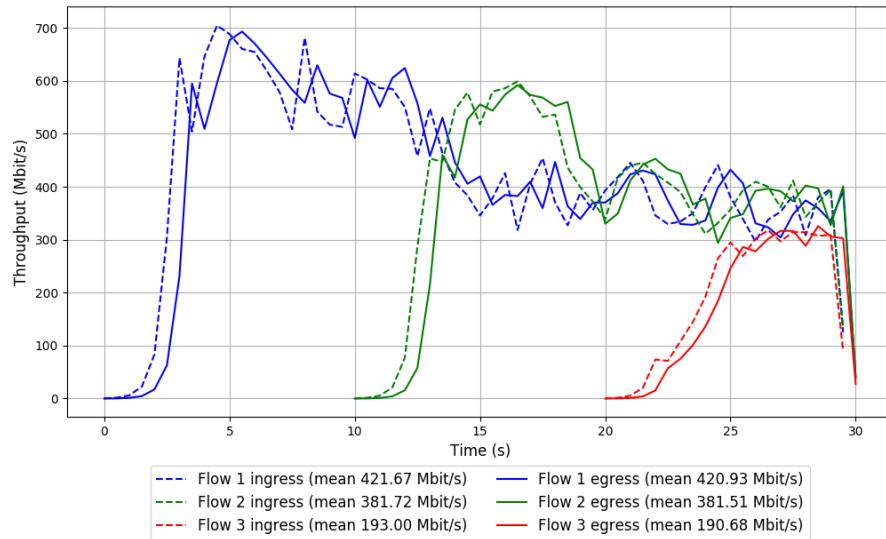


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 22:31:29
End at: 2019-08-26 22:31:59
Local clock offset: 0.105 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-08-27 02:45:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 732.73 Mbit/s
95th percentile per-packet one-way delay: 153.432 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 420.93 Mbit/s
95th percentile per-packet one-way delay: 160.864 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 381.51 Mbit/s
95th percentile per-packet one-way delay: 142.285 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 190.68 Mbit/s
95th percentile per-packet one-way delay: 112.170 ms
Loss rate: 3.43%
```

Run 3: Report of Muses_DecisionTree — Data Link

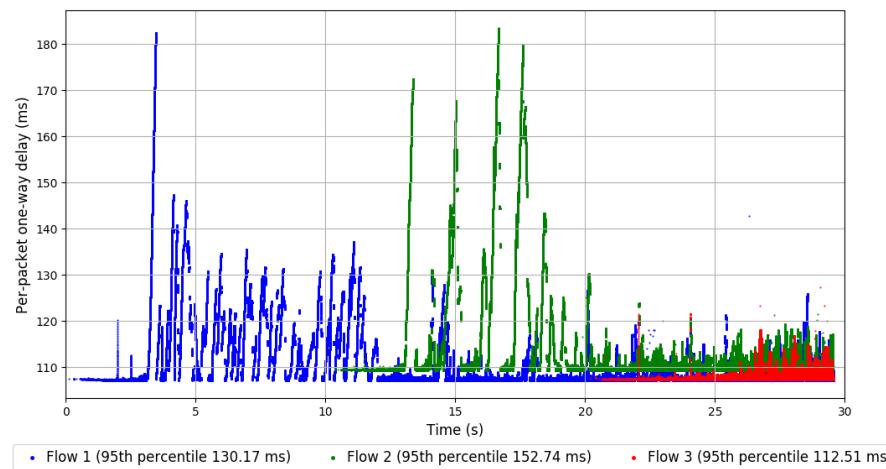
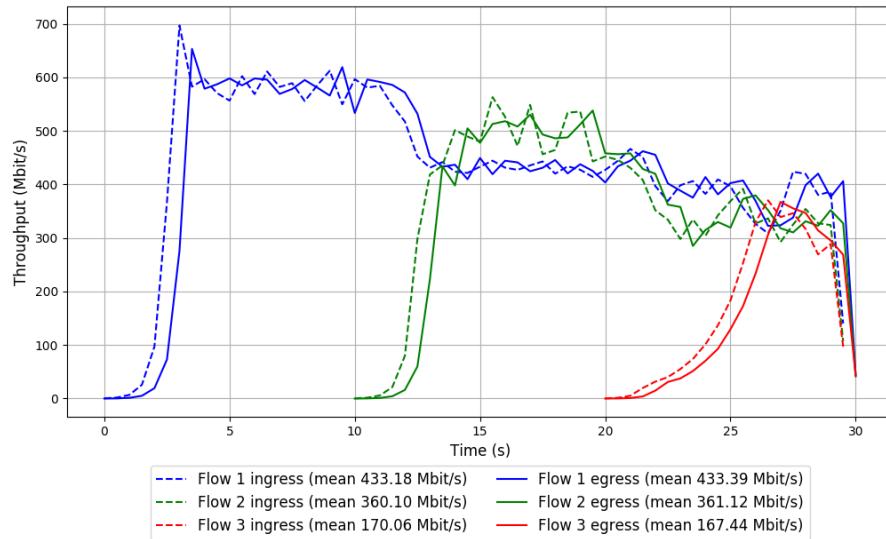


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 23:15:05
End at: 2019-08-26 23:15:35
Local clock offset: -0.041 ms
Remote clock offset: -0.561 ms

# Below is generated by plot.py at 2019-08-27 02:47:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.34 Mbit/s
95th percentile per-packet one-way delay: 134.116 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 433.39 Mbit/s
95th percentile per-packet one-way delay: 130.168 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 361.12 Mbit/s
95th percentile per-packet one-way delay: 152.739 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 167.44 Mbit/s
95th percentile per-packet one-way delay: 112.510 ms
Loss rate: 3.81%
```

Run 4: Report of Muses_DecisionTree — Data Link

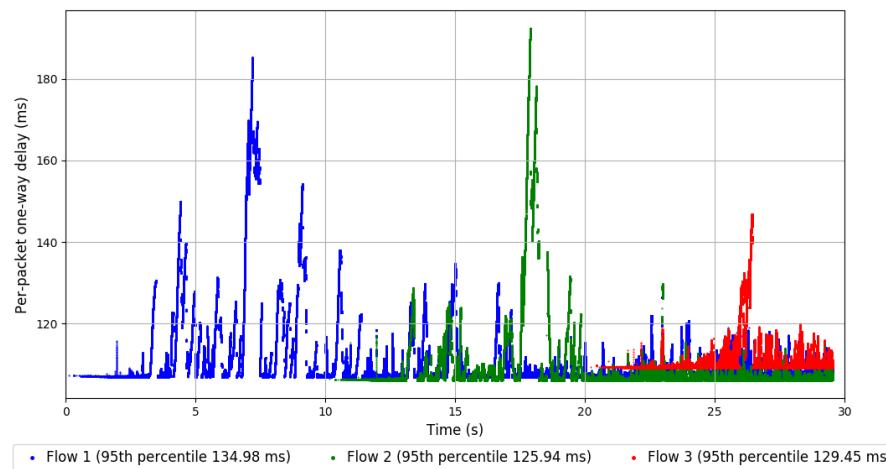
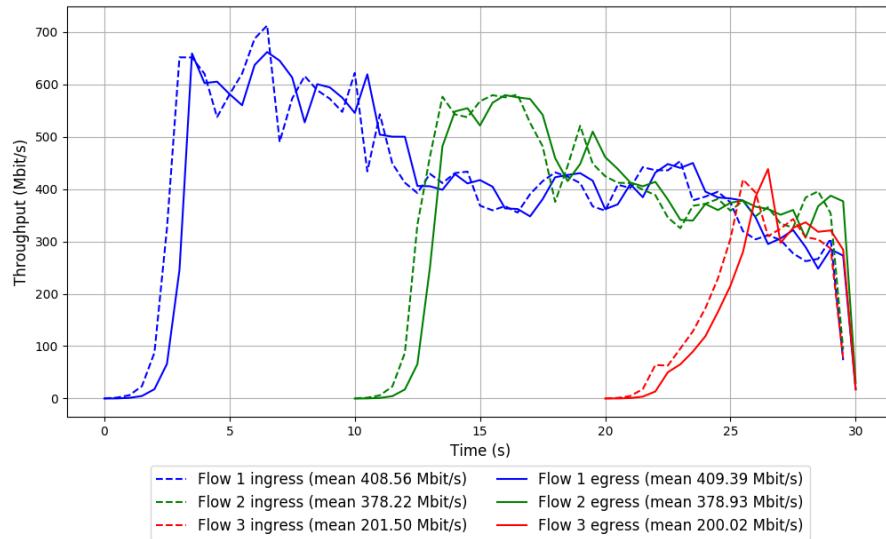


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 23:58:40
End at: 2019-08-26 23:59:10
Local clock offset: 0.073 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2019-08-27 02:47:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 722.26 Mbit/s
95th percentile per-packet one-way delay: 132.118 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 409.39 Mbit/s
95th percentile per-packet one-way delay: 134.979 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 378.93 Mbit/s
95th percentile per-packet one-way delay: 125.941 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 200.02 Mbit/s
95th percentile per-packet one-way delay: 129.452 ms
Loss rate: 3.05%
```

Run 5: Report of Muses_DecisionTree — Data Link

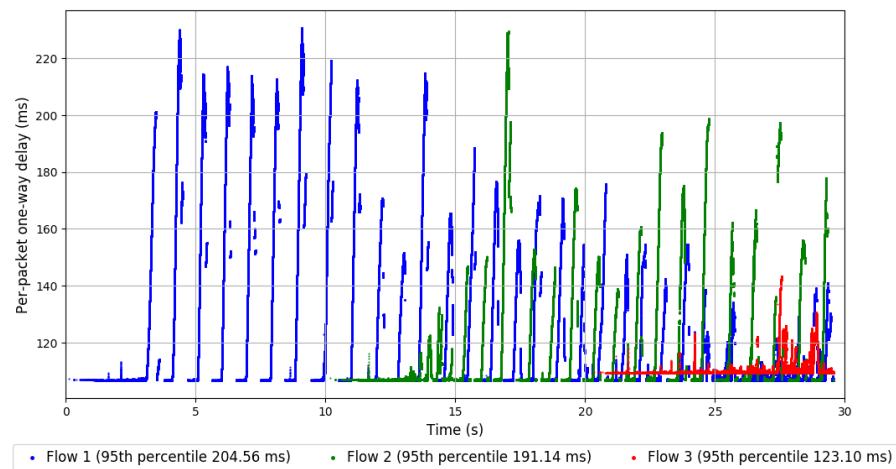
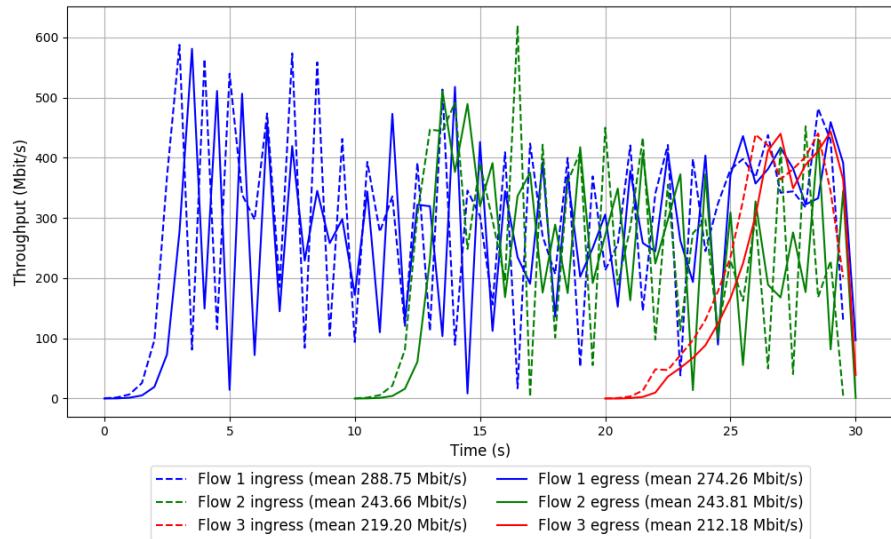


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 21:19:20
End at: 2019-08-26 21:19:50
Local clock offset: 0.08 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-08-27 02:48:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.32 Mbit/s
95th percentile per-packet one-way delay: 198.111 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 274.26 Mbit/s
95th percentile per-packet one-way delay: 204.559 ms
Loss rate: 5.70%
-- Flow 2:
Average throughput: 243.81 Mbit/s
95th percentile per-packet one-way delay: 191.139 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 212.18 Mbit/s
95th percentile per-packet one-way delay: 123.101 ms
Loss rate: 5.42%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

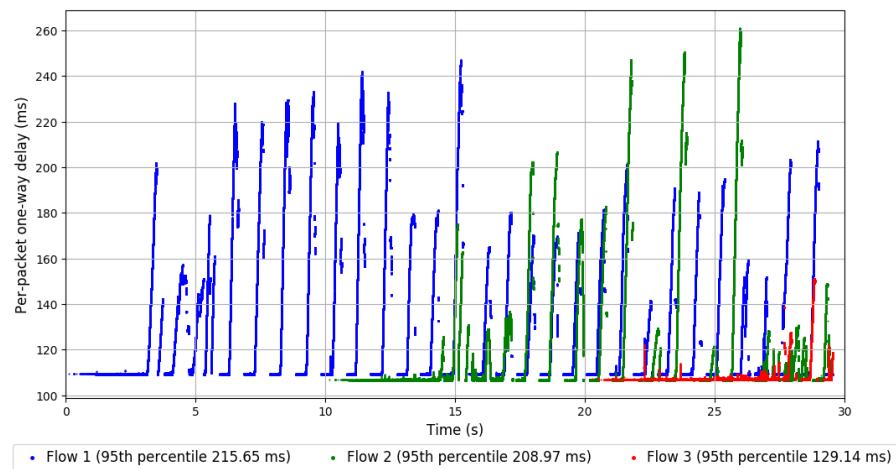
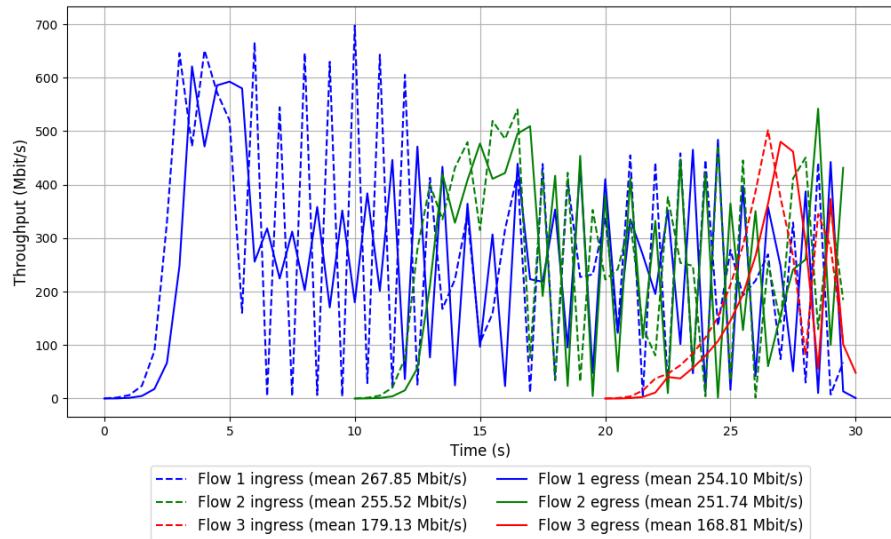


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 22:02:52
End at: 2019-08-26 22:03:22
Local clock offset: -0.042 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-08-27 02:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.05 Mbit/s
95th percentile per-packet one-way delay: 211.856 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 254.10 Mbit/s
95th percentile per-packet one-way delay: 215.649 ms
Loss rate: 5.83%
-- Flow 2:
Average throughput: 251.74 Mbit/s
95th percentile per-packet one-way delay: 208.975 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 168.81 Mbit/s
95th percentile per-packet one-way delay: 129.137 ms
Loss rate: 7.16%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

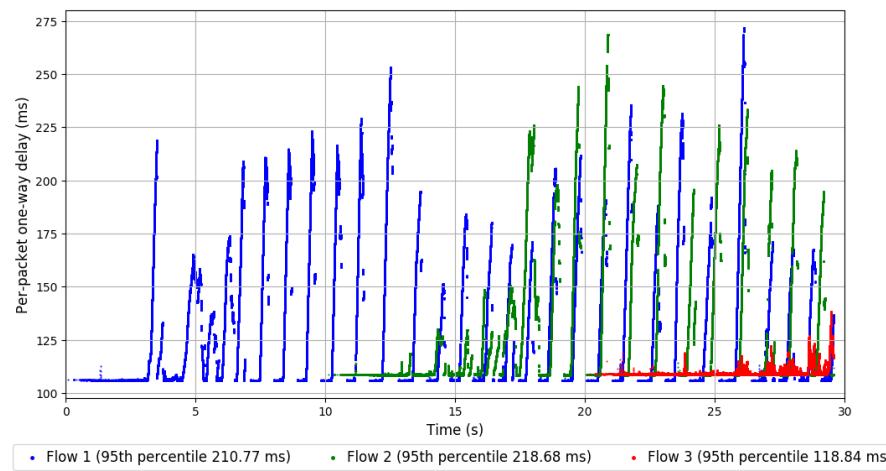
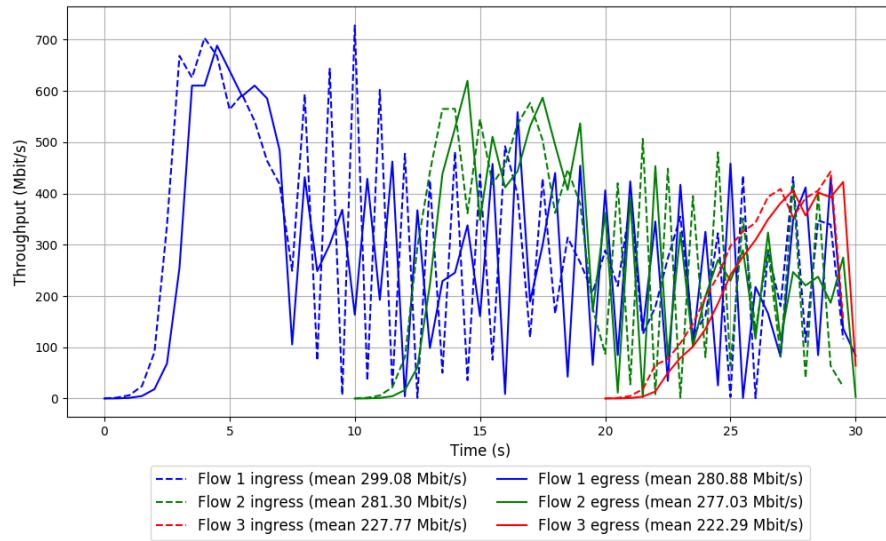


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 22:46:25
End at: 2019-08-26 22:46:55
Local clock offset: -0.686 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-08-27 02:51:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.51 Mbit/s
95th percentile per-packet one-way delay: 212.745 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 280.88 Mbit/s
95th percentile per-packet one-way delay: 210.773 ms
Loss rate: 6.58%
-- Flow 2:
Average throughput: 277.03 Mbit/s
95th percentile per-packet one-way delay: 218.679 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 118.841 ms
Loss rate: 4.62%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

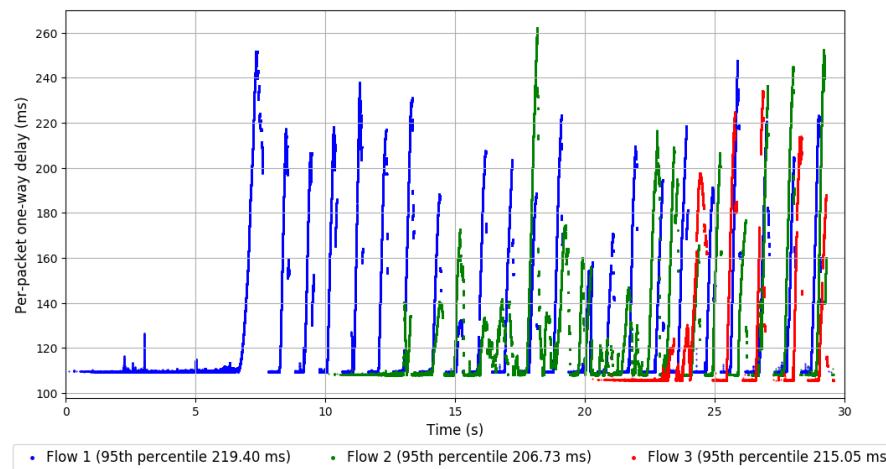
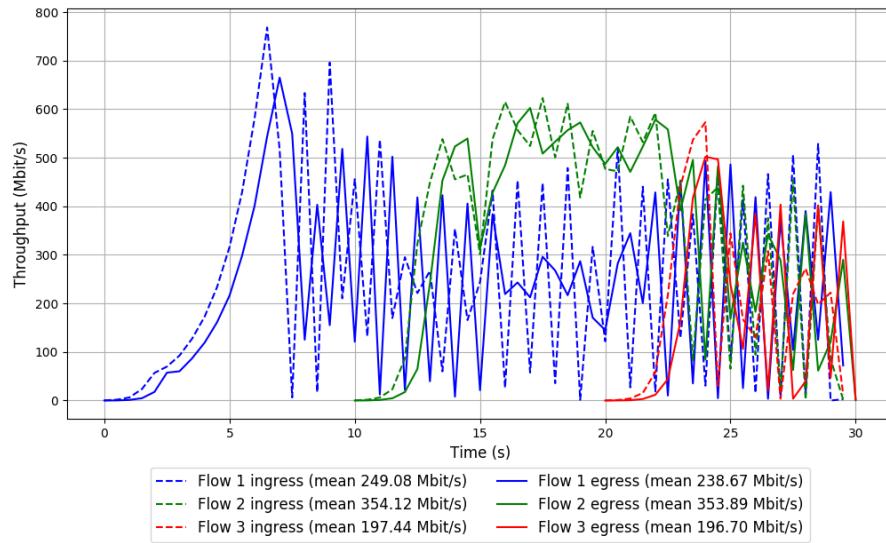


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 23:29:58
End at: 2019-08-26 23:30:28
Local clock offset: 0.017 ms
Remote clock offset: 0.192 ms

# Below is generated by plot.py at 2019-08-27 02:55:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 533.57 Mbit/s
95th percentile per-packet one-way delay: 216.248 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 238.67 Mbit/s
95th percentile per-packet one-way delay: 219.402 ms
Loss rate: 4.89%
-- Flow 2:
Average throughput: 353.89 Mbit/s
95th percentile per-packet one-way delay: 206.726 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 196.70 Mbit/s
95th percentile per-packet one-way delay: 215.052 ms
Loss rate: 2.63%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

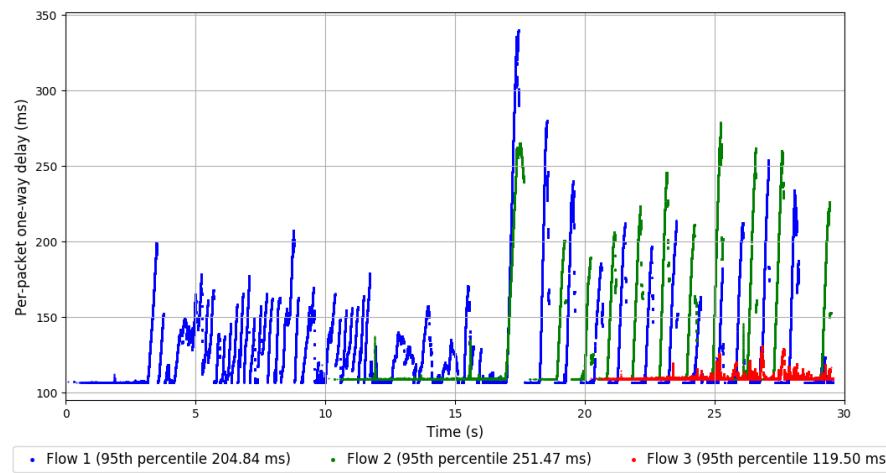
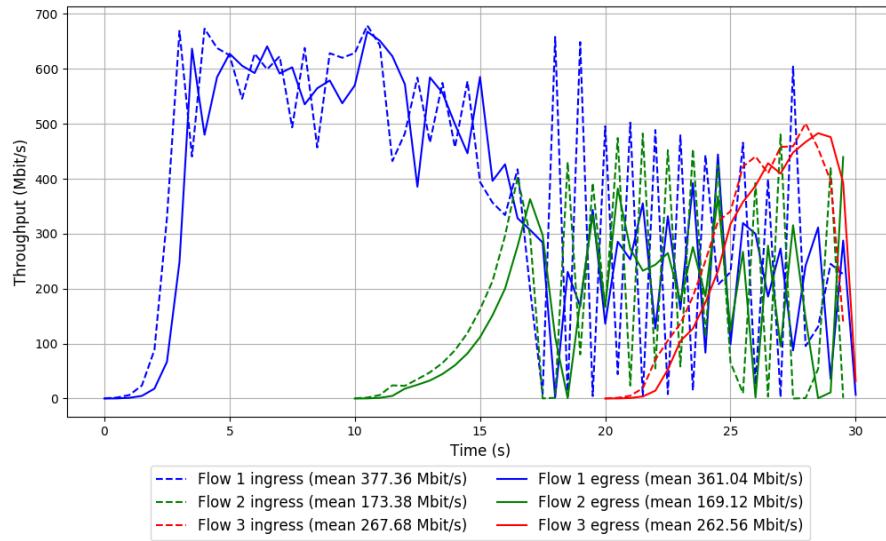


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 00:13:54
End at: 2019-08-27 00:14:24
Local clock offset: -0.112 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2019-08-27 02:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.47 Mbit/s
95th percentile per-packet one-way delay: 216.350 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 361.04 Mbit/s
95th percentile per-packet one-way delay: 204.842 ms
Loss rate: 5.02%
-- Flow 2:
Average throughput: 169.12 Mbit/s
95th percentile per-packet one-way delay: 251.471 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 262.56 Mbit/s
95th percentile per-packet one-way delay: 119.501 ms
Loss rate: 4.08%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

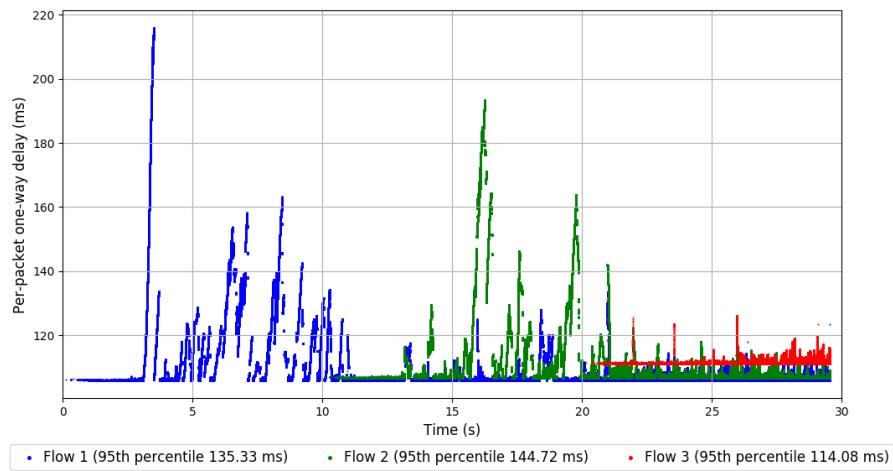
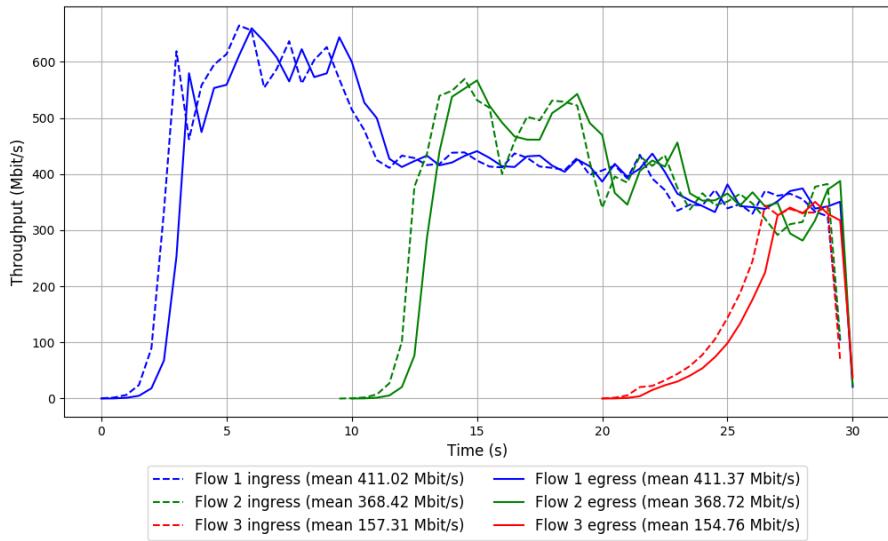


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 21:42:20
End at: 2019-08-26 21:42:50
Local clock offset: -0.102 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-08-27 02:59:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 704.54 Mbit/s
95th percentile per-packet one-way delay: 136.000 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 411.37 Mbit/s
95th percentile per-packet one-way delay: 135.326 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 368.72 Mbit/s
95th percentile per-packet one-way delay: 144.718 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 154.76 Mbit/s
95th percentile per-packet one-way delay: 114.078 ms
Loss rate: 3.93%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

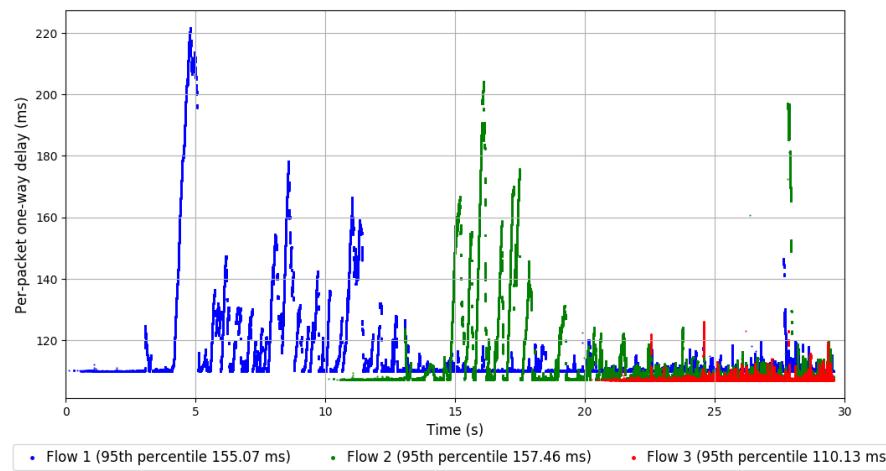
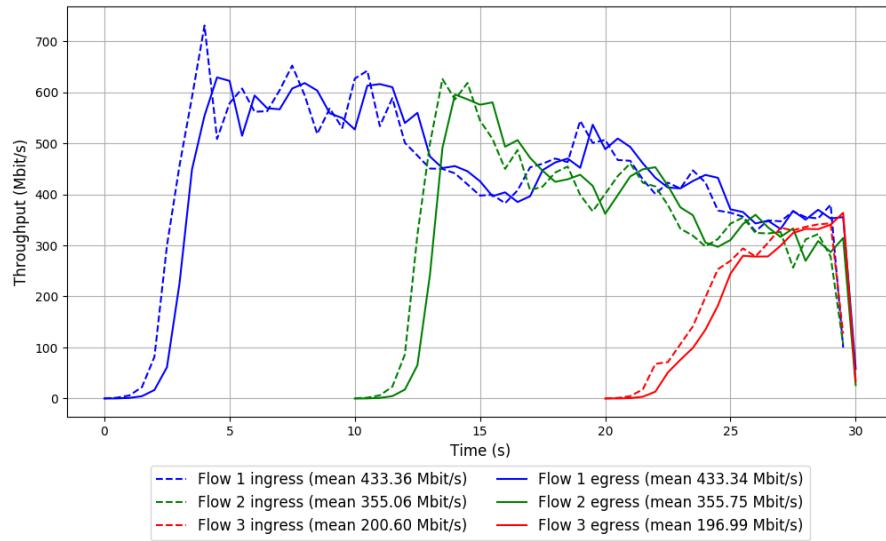


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 22:26:03
End at: 2019-08-26 22:26:33
Local clock offset: 0.238 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-08-27 03:01:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 730.50 Mbit/s
95th percentile per-packet one-way delay: 154.782 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 433.34 Mbit/s
95th percentile per-packet one-way delay: 155.066 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 355.75 Mbit/s
95th percentile per-packet one-way delay: 157.455 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 196.99 Mbit/s
95th percentile per-packet one-way delay: 110.131 ms
Loss rate: 4.02%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

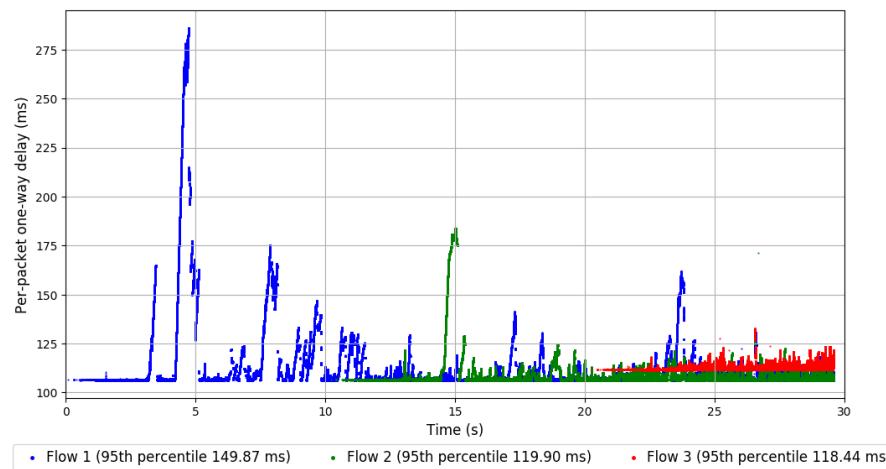
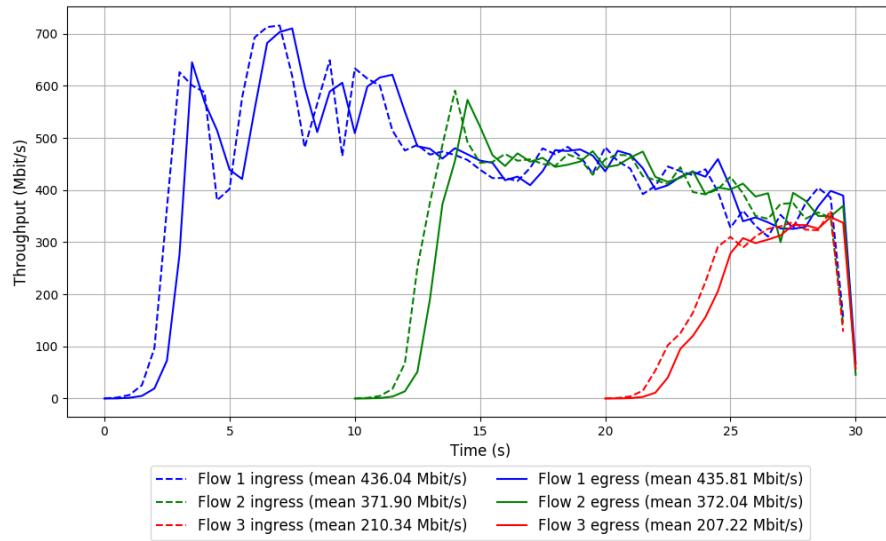


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 23:09:41
End at: 2019-08-26 23:10:11
Local clock offset: -0.714 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2019-08-27 03:02:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 745.97 Mbit/s
95th percentile per-packet one-way delay: 139.488 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 435.81 Mbit/s
95th percentile per-packet one-way delay: 149.865 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 372.04 Mbit/s
95th percentile per-packet one-way delay: 119.904 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 207.22 Mbit/s
95th percentile per-packet one-way delay: 118.442 ms
Loss rate: 3.79%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

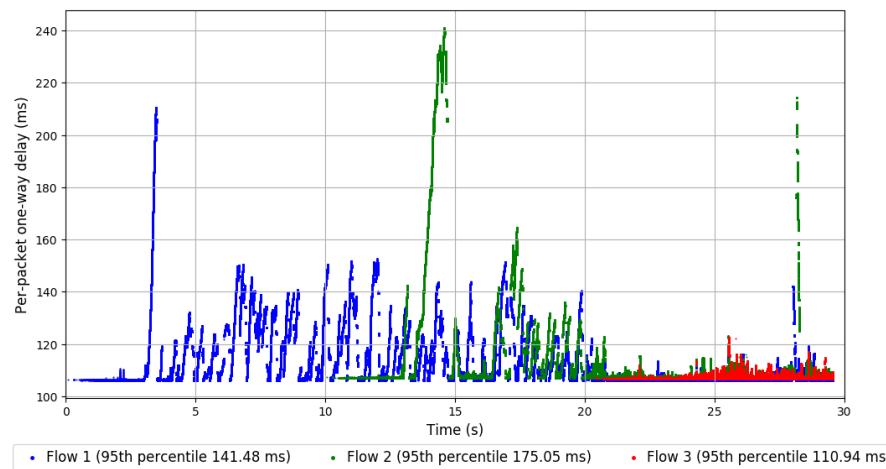
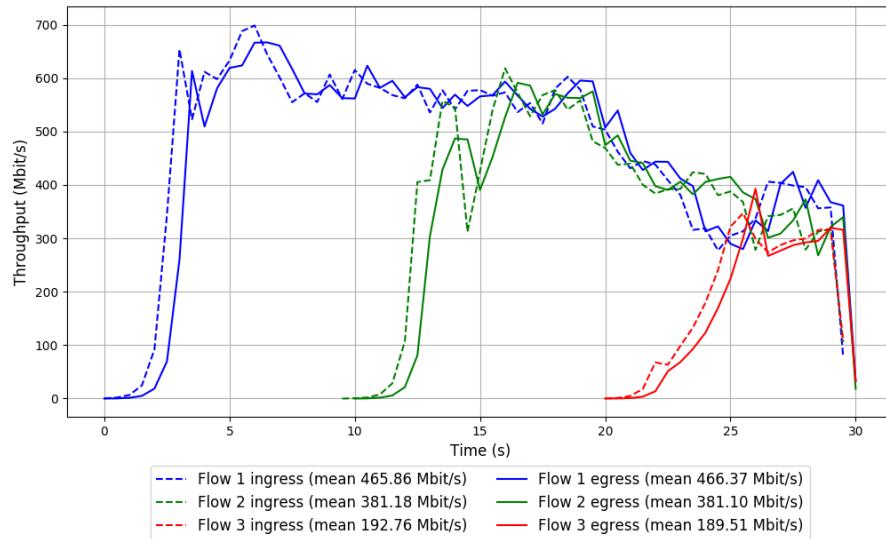


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 23:53:11
End at: 2019-08-26 23:53:41
Local clock offset: -0.068 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-08-27 03:03:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.36 Mbit/s
95th percentile per-packet one-way delay: 144.113 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 466.37 Mbit/s
95th percentile per-packet one-way delay: 141.478 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 381.10 Mbit/s
95th percentile per-packet one-way delay: 175.046 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 189.51 Mbit/s
95th percentile per-packet one-way delay: 110.943 ms
Loss rate: 3.92%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

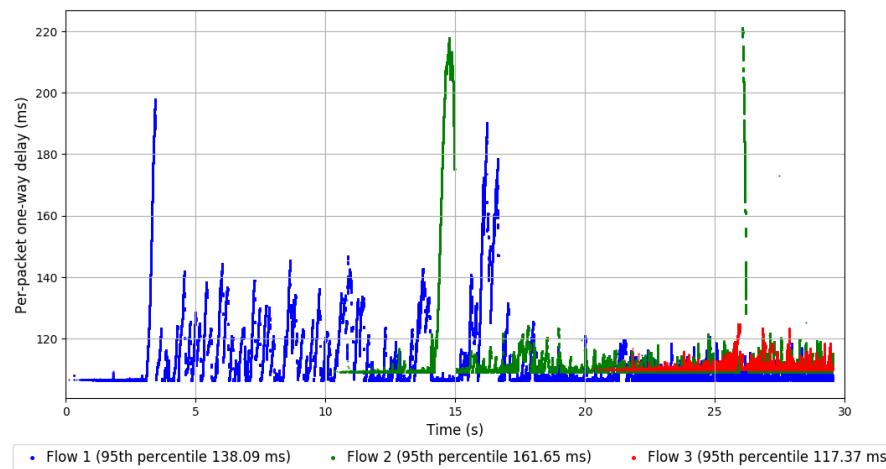
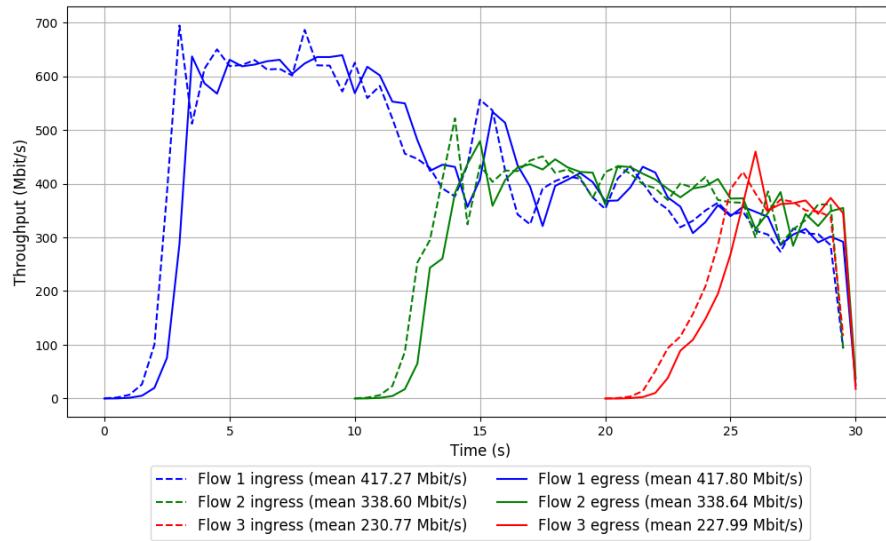


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 00:36:37
End at: 2019-08-27 00:37:07
Local clock offset: -0.033 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2019-08-27 03:04:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 712.72 Mbit/s
95th percentile per-packet one-way delay: 136.913 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 417.80 Mbit/s
95th percentile per-packet one-way delay: 138.086 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 338.64 Mbit/s
95th percentile per-packet one-way delay: 161.650 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 227.99 Mbit/s
95th percentile per-packet one-way delay: 117.366 ms
Loss rate: 3.49%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

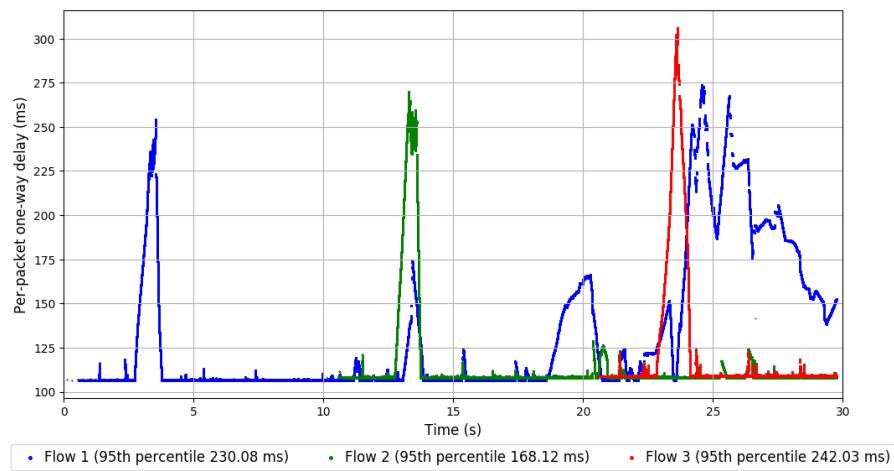
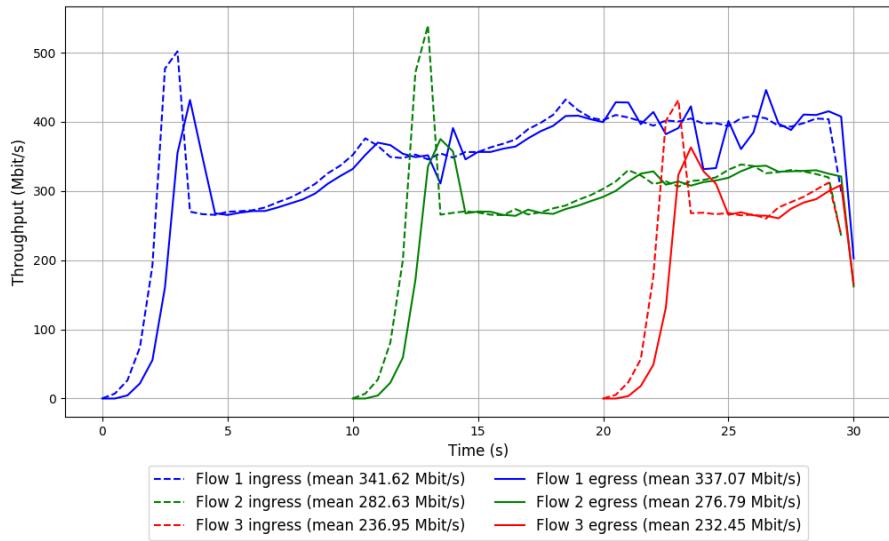


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-08-26 21:10:07
End at: 2019-08-26 21:10:37
Local clock offset: -0.206 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-08-27 03:14:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.81 Mbit/s
95th percentile per-packet one-way delay: 228.746 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 337.07 Mbit/s
95th percentile per-packet one-way delay: 230.077 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 276.79 Mbit/s
95th percentile per-packet one-way delay: 168.121 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 232.45 Mbit/s
95th percentile per-packet one-way delay: 242.034 ms
Loss rate: 4.05%
```

Run 1: Report of PCC-Allegro — Data Link

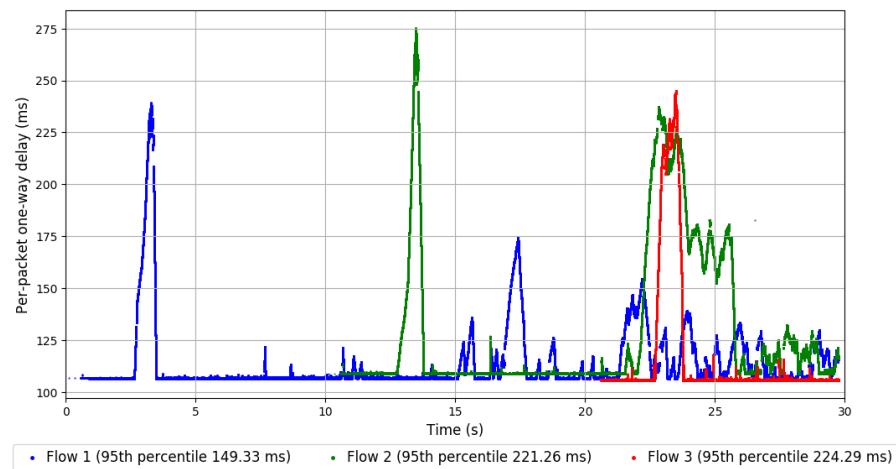
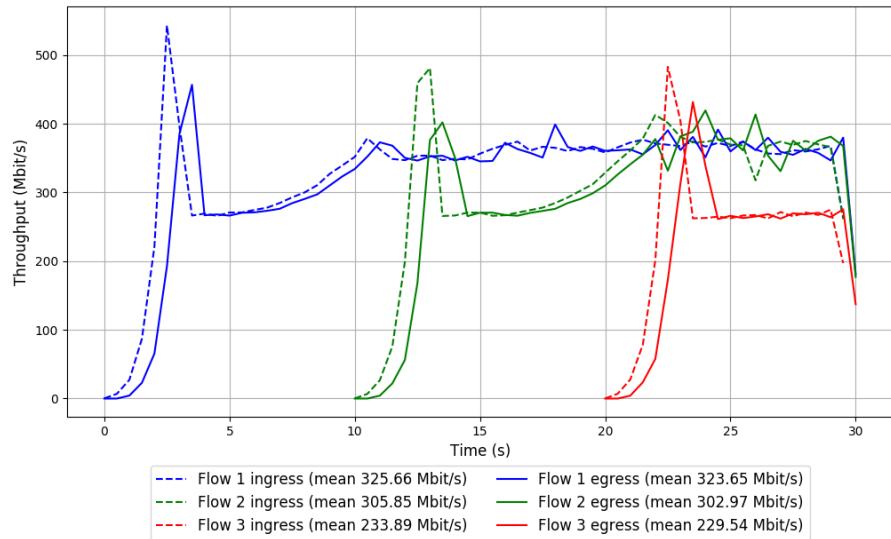


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-08-26 21:53:36
End at: 2019-08-26 21:54:06
Local clock offset: -0.269 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-08-27 03:17:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 598.72 Mbit/s
95th percentile per-packet one-way delay: 209.735 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 323.65 Mbit/s
95th percentile per-packet one-way delay: 149.327 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 302.97 Mbit/s
95th percentile per-packet one-way delay: 221.264 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 229.54 Mbit/s
95th percentile per-packet one-way delay: 224.287 ms
Loss rate: 4.03%
```

Run 2: Report of PCC-Allegro — Data Link

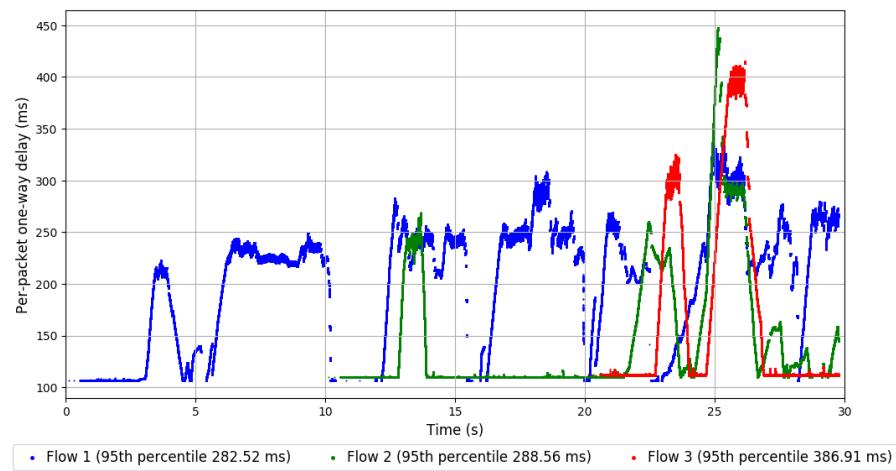
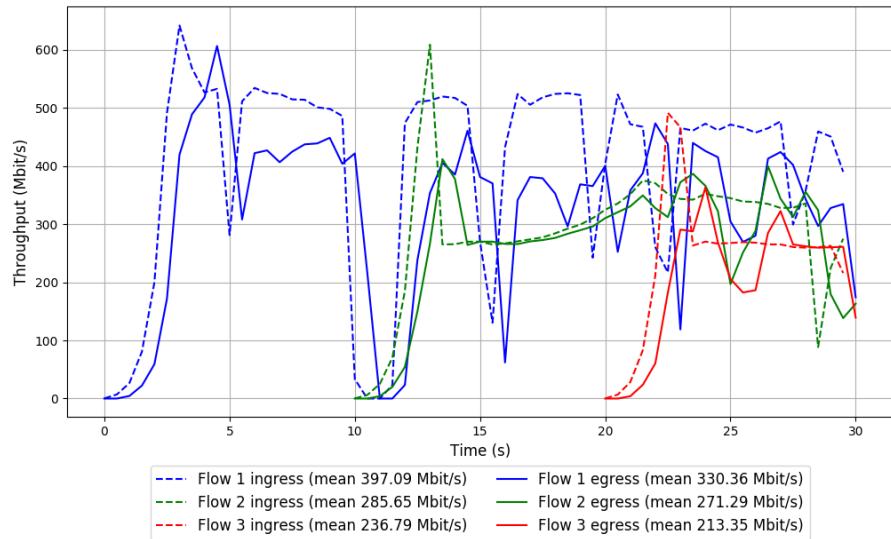


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-08-26 22:37:03
End at: 2019-08-26 22:37:33
Local clock offset: -0.03 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2019-08-27 03:19:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 579.32 Mbit/s
95th percentile per-packet one-way delay: 293.456 ms
Loss rate: 13.67%
-- Flow 1:
Average throughput: 330.36 Mbit/s
95th percentile per-packet one-way delay: 282.524 ms
Loss rate: 17.51%
-- Flow 2:
Average throughput: 271.29 Mbit/s
95th percentile per-packet one-way delay: 288.562 ms
Loss rate: 6.25%
-- Flow 3:
Average throughput: 213.35 Mbit/s
95th percentile per-packet one-way delay: 386.914 ms
Loss rate: 12.23%
```

Run 3: Report of PCC-Allegro — Data Link

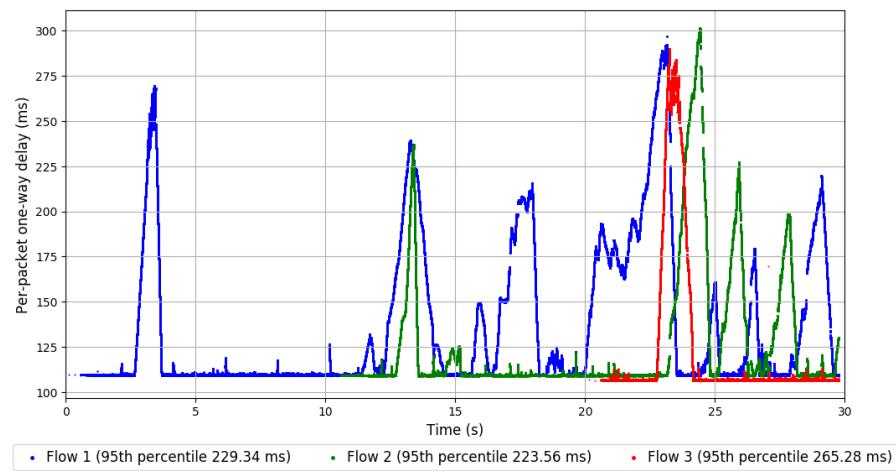
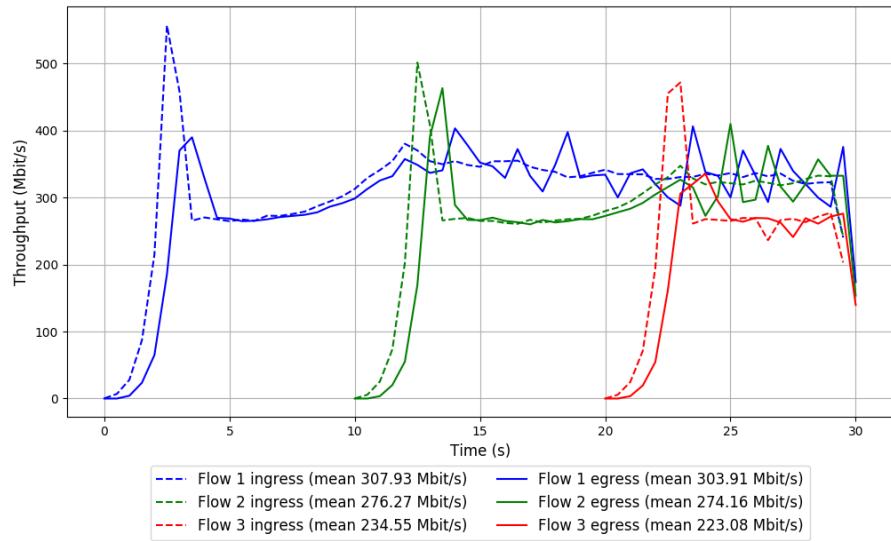


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-08-26 23:20:43
End at: 2019-08-26 23:21:13
Local clock offset: -0.104 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-08-27 03:20:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.58 Mbit/s
95th percentile per-packet one-way delay: 233.910 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 303.91 Mbit/s
95th percentile per-packet one-way delay: 229.339 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 274.16 Mbit/s
95th percentile per-packet one-way delay: 223.558 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 223.08 Mbit/s
95th percentile per-packet one-way delay: 265.277 ms
Loss rate: 6.99%
```

Run 4: Report of PCC-Allegro — Data Link

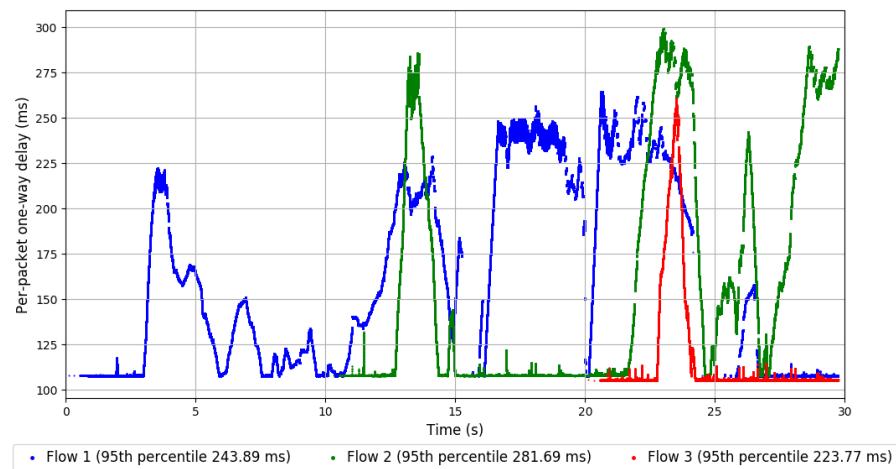
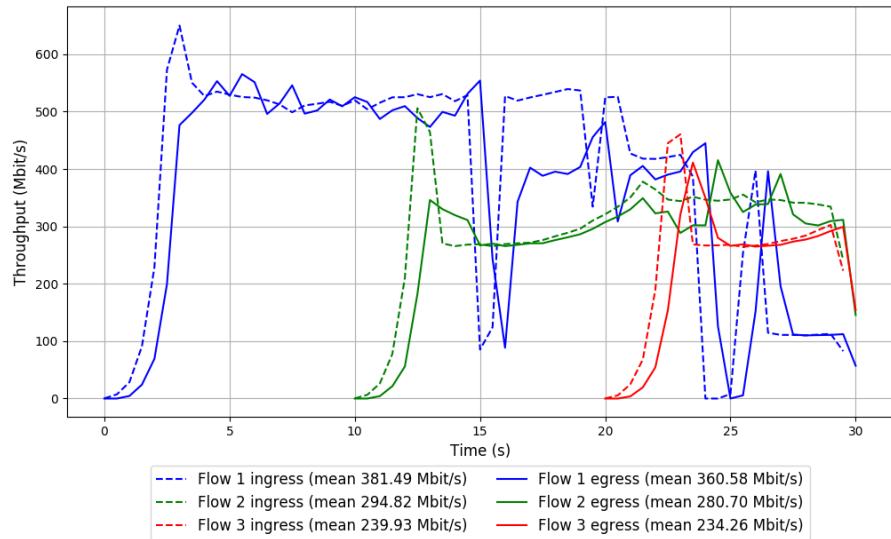


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-08-27 00:04:31
End at: 2019-08-27 00:05:01
Local clock offset: -0.638 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-08-27 03:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 622.52 Mbit/s
95th percentile per-packet one-way delay: 263.973 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 360.58 Mbit/s
95th percentile per-packet one-way delay: 243.891 ms
Loss rate: 6.17%
-- Flow 2:
Average throughput: 280.70 Mbit/s
95th percentile per-packet one-way delay: 281.688 ms
Loss rate: 5.84%
-- Flow 3:
Average throughput: 234.26 Mbit/s
95th percentile per-packet one-way delay: 223.770 ms
Loss rate: 4.52%
```

Run 5: Report of PCC-Allegro — Data Link

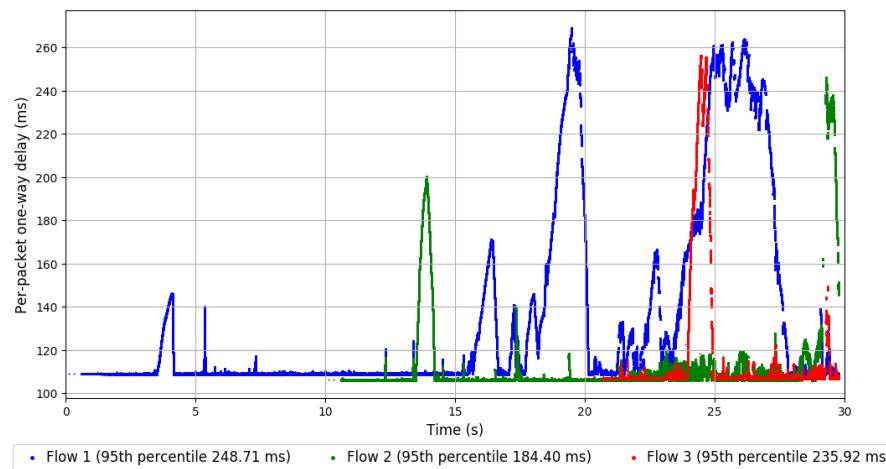
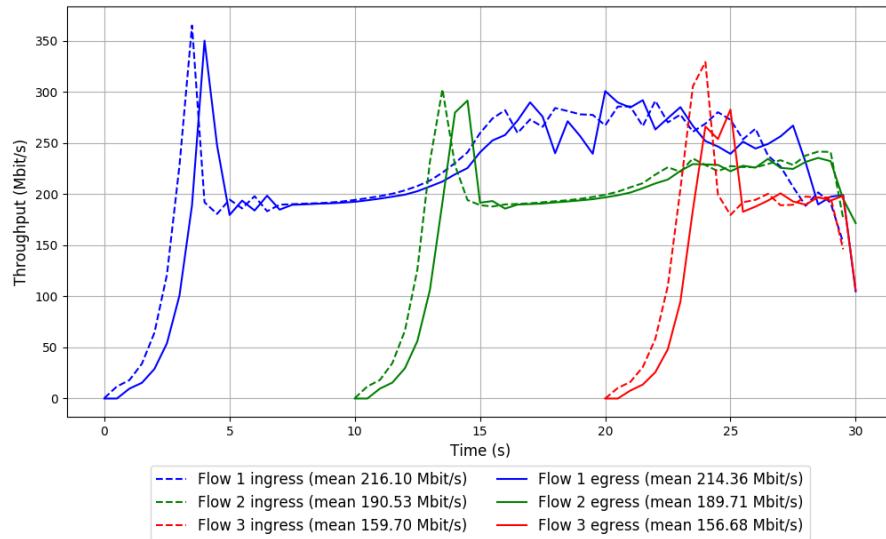


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-08-26 21:21:06
End at: 2019-08-26 21:21:36
Local clock offset: 0.04 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-08-27 03:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.02 Mbit/s
95th percentile per-packet one-way delay: 240.217 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 214.36 Mbit/s
95th percentile per-packet one-way delay: 248.714 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 189.71 Mbit/s
95th percentile per-packet one-way delay: 184.401 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 156.68 Mbit/s
95th percentile per-packet one-way delay: 235.923 ms
Loss rate: 4.03%
```

Run 1: Report of PCC-Expr — Data Link

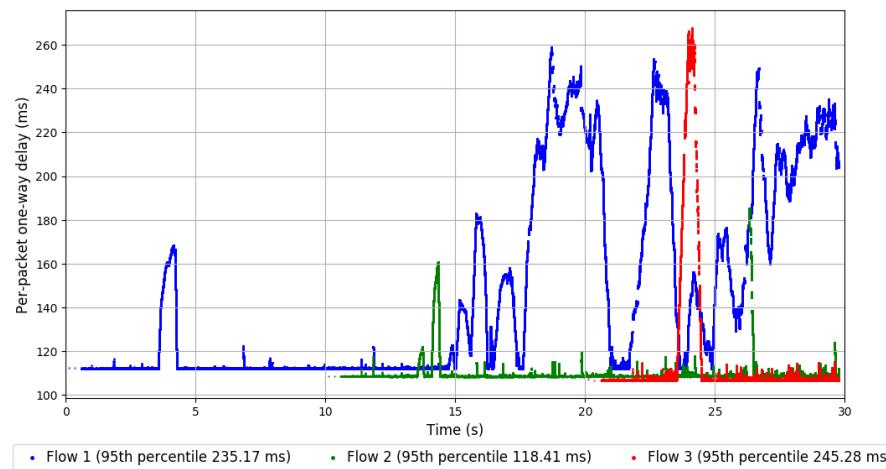
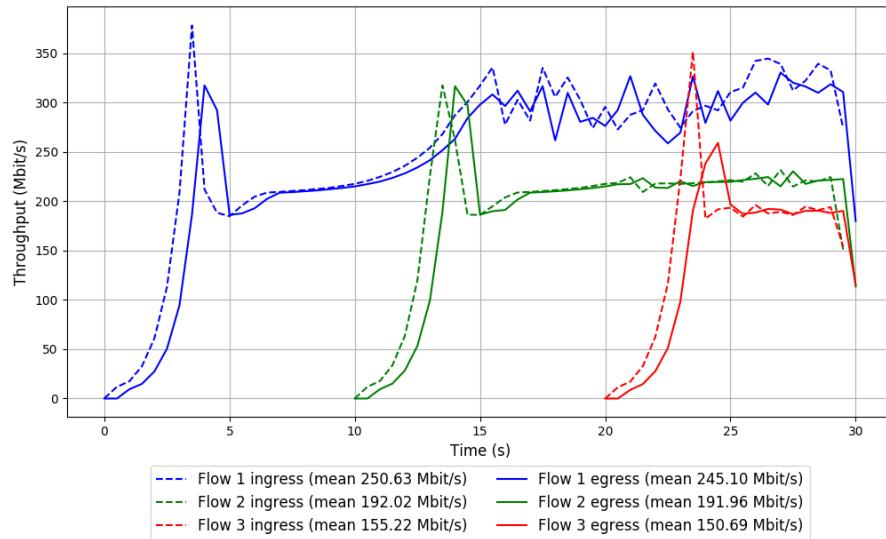


Run 2: Statistics of PCC-Expr

```
Start at: 2019-08-26 22:04:37
End at: 2019-08-26 22:05:07
Local clock offset: -0.051 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2019-08-27 03:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.31 Mbit/s
95th percentile per-packet one-way delay: 230.330 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 245.10 Mbit/s
95th percentile per-packet one-way delay: 235.168 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 118.413 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 150.69 Mbit/s
95th percentile per-packet one-way delay: 245.285 ms
Loss rate: 5.03%
```

Run 2: Report of PCC-Expr — Data Link

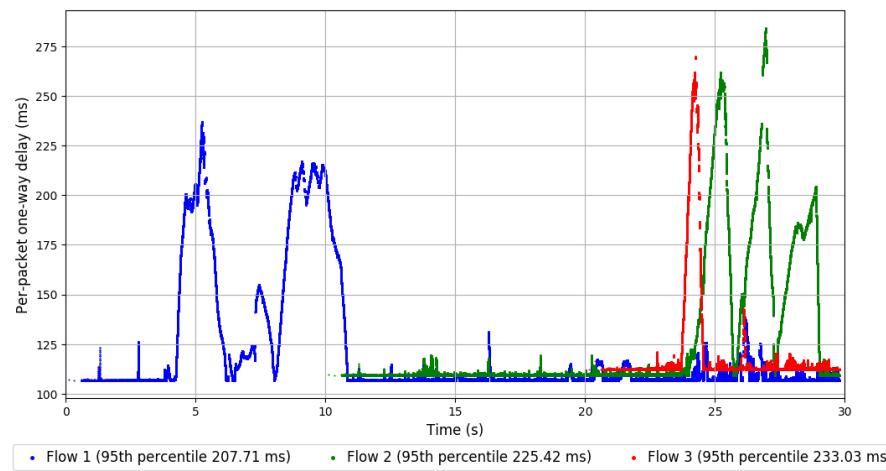
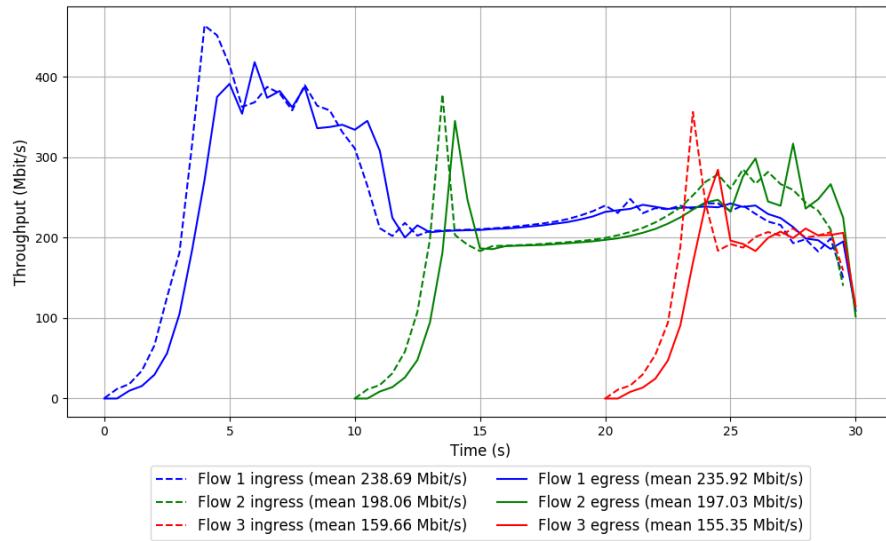


Run 3: Statistics of PCC-Expr

```
Start at: 2019-08-26 22:48:13
End at: 2019-08-26 22:48:43
Local clock offset: -0.061 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2019-08-27 03:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.95 Mbit/s
95th percentile per-packet one-way delay: 209.959 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 235.92 Mbit/s
95th percentile per-packet one-way delay: 207.714 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 197.03 Mbit/s
95th percentile per-packet one-way delay: 225.419 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 155.35 Mbit/s
95th percentile per-packet one-way delay: 233.028 ms
Loss rate: 4.86%
```

Run 3: Report of PCC-Expr — Data Link

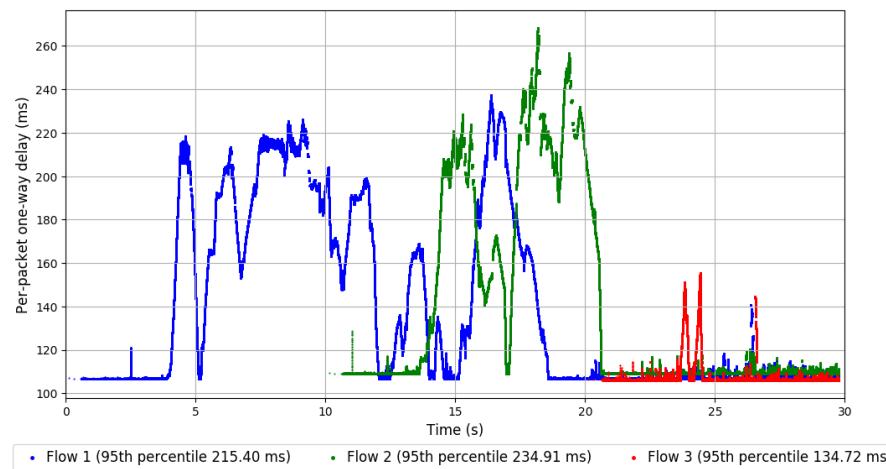
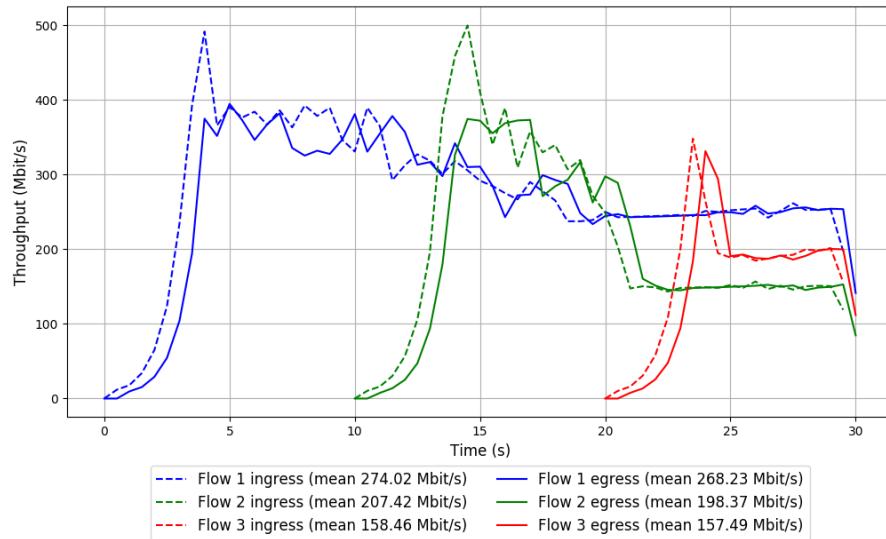


Run 4: Statistics of PCC-Expr

```
Start at: 2019-08-26 23:31:47
End at: 2019-08-26 23:32:17
Local clock offset: -0.144 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.72 Mbit/s
95th percentile per-packet one-way delay: 219.245 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 268.23 Mbit/s
95th percentile per-packet one-way delay: 215.400 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 198.37 Mbit/s
95th percentile per-packet one-way delay: 234.914 ms
Loss rate: 5.42%
-- Flow 3:
Average throughput: 157.49 Mbit/s
95th percentile per-packet one-way delay: 134.715 ms
Loss rate: 2.78%
```

Run 4: Report of PCC-Expr — Data Link

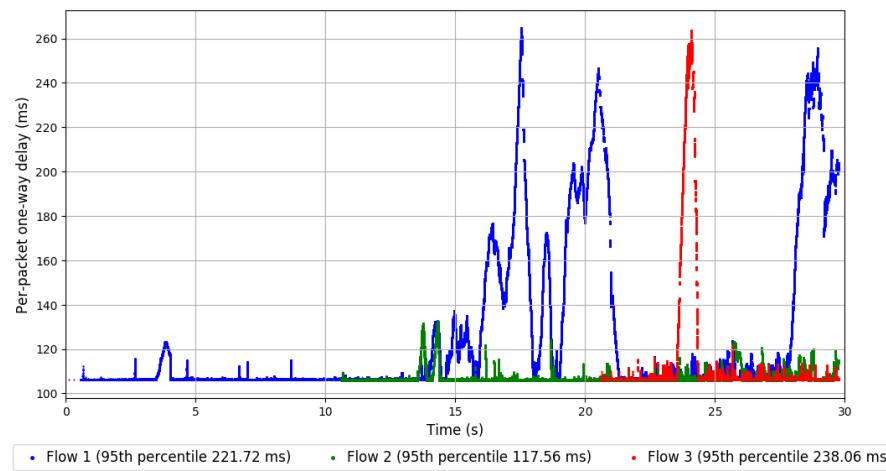
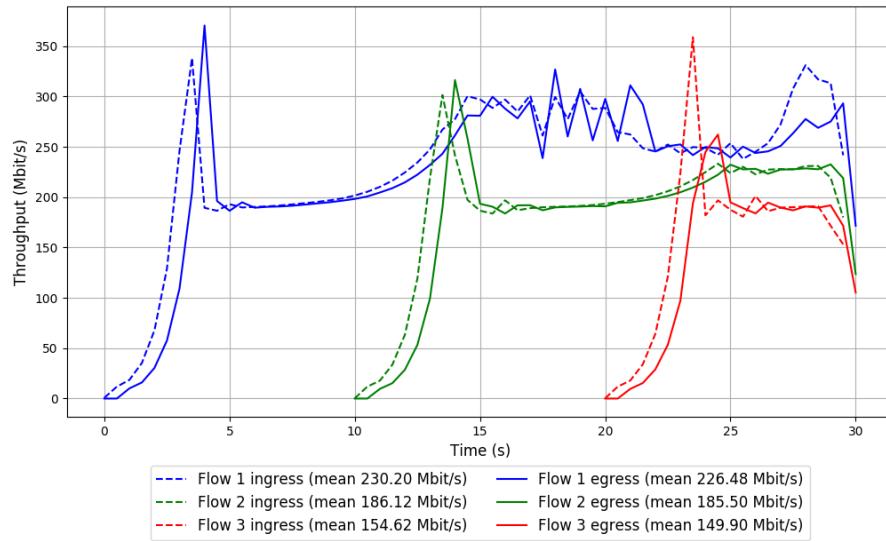


Run 5: Statistics of PCC-Expr

```
Start at: 2019-08-27 00:15:44
End at: 2019-08-27 00:16:14
Local clock offset: 0.017 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.20 Mbit/s
95th percentile per-packet one-way delay: 207.976 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 226.48 Mbit/s
95th percentile per-packet one-way delay: 221.725 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 185.50 Mbit/s
95th percentile per-packet one-way delay: 117.556 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 149.90 Mbit/s
95th percentile per-packet one-way delay: 238.060 ms
Loss rate: 5.19%
```

Run 5: Report of PCC-Expr — Data Link

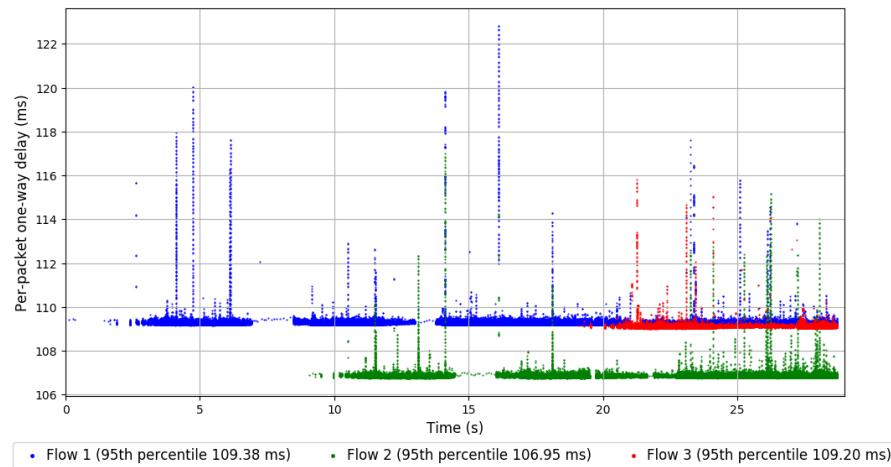
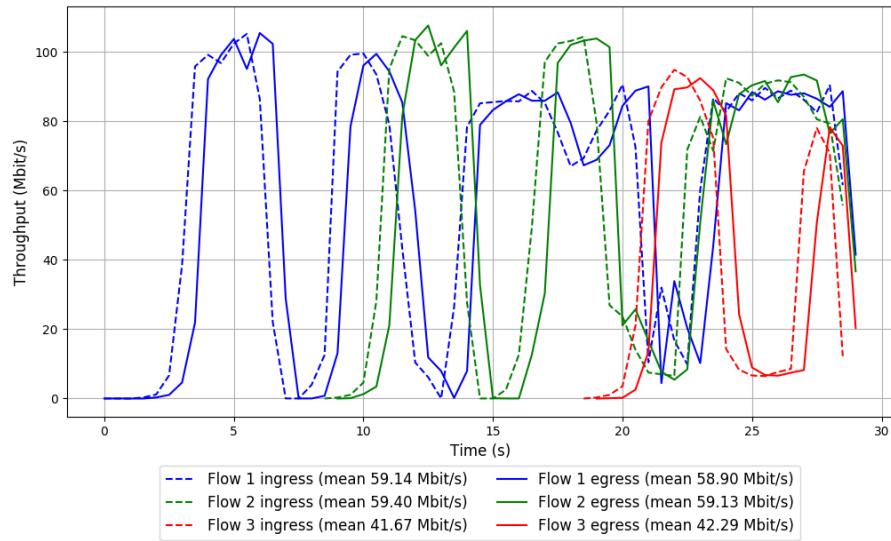


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-08-26 21:40:56
End at: 2019-08-26 21:41:26
Local clock offset: -0.019 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 109.345 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 109.380 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 106.955 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 109.198 ms
Loss rate: 0.76%
```

Run 1: Report of QUIC Cubic — Data Link

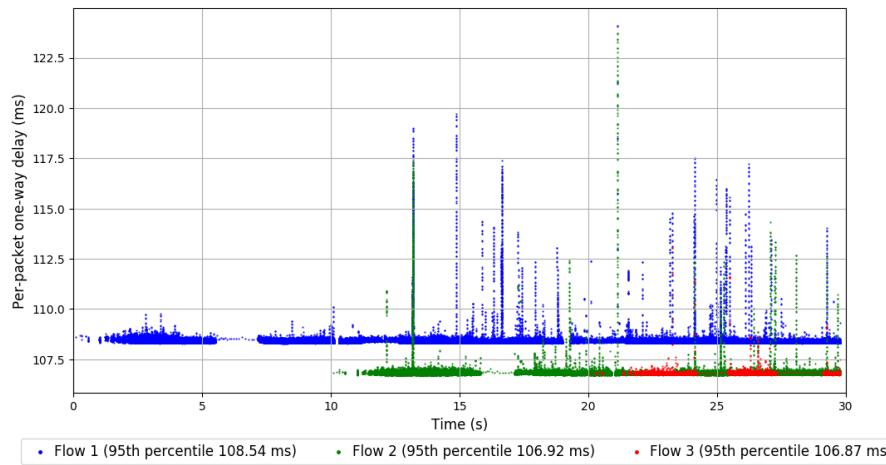
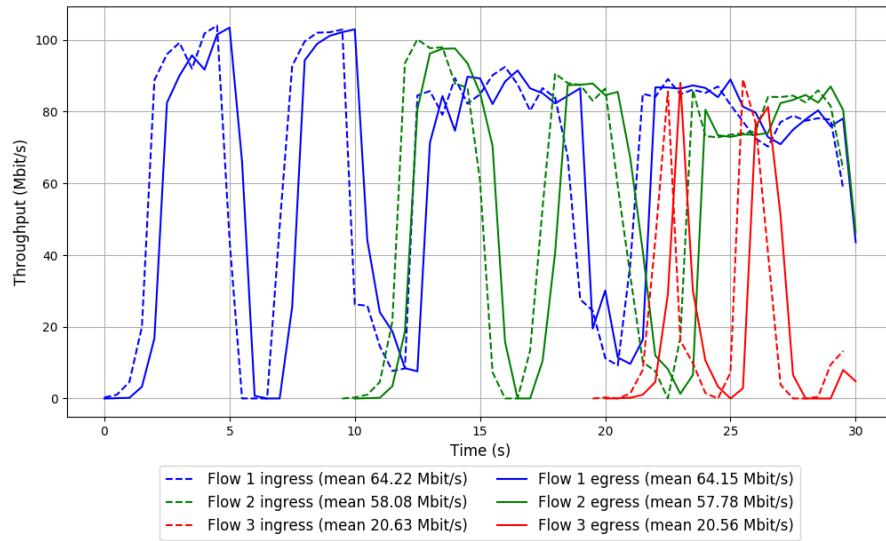


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-08-26 22:24:39
End at: 2019-08-26 22:25:09
Local clock offset: 0.054 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 109.19 Mbit/s
95th percentile per-packet one-way delay: 108.500 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 108.540 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 106.922 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 106.873 ms
Loss rate: 2.55%
```

Run 2: Report of QUIC Cubic — Data Link

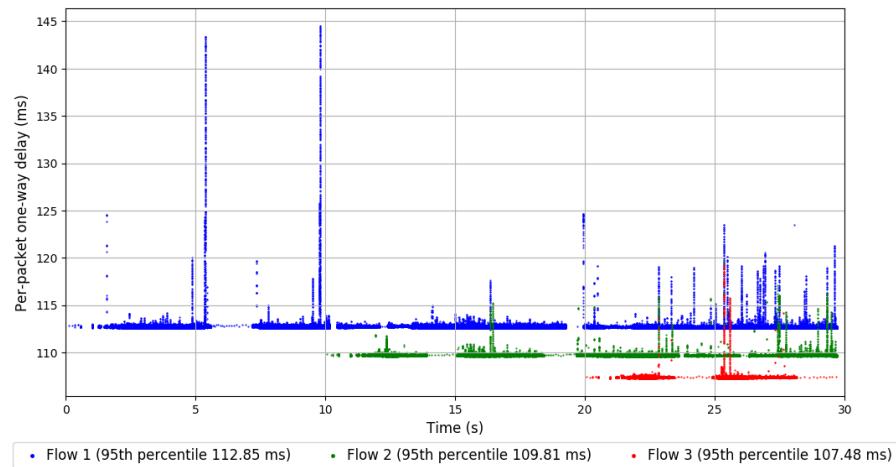
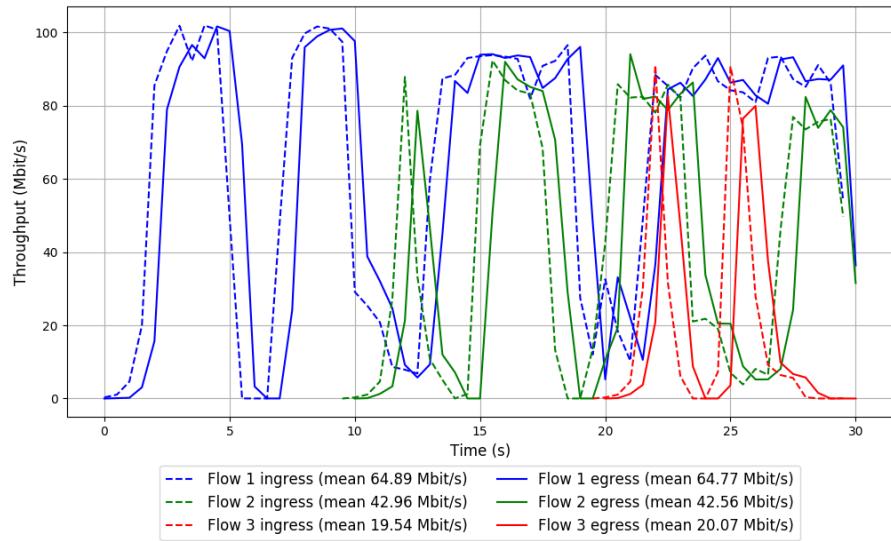


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-08-26 23:08:17
End at: 2019-08-26 23:08:47
Local clock offset: 0.532 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.53 Mbit/s
95th percentile per-packet one-way delay: 112.807 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 112.847 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 109.805 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 107.483 ms
Loss rate: 0.02%
```

Run 3: Report of QUIC Cubic — Data Link

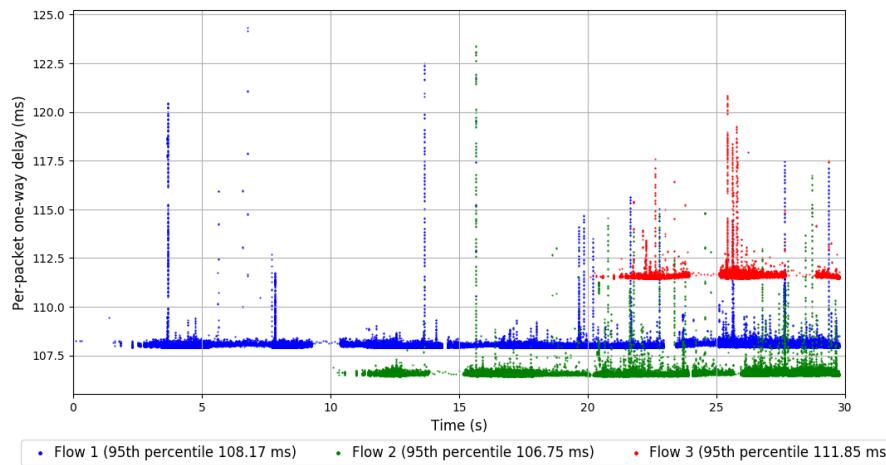
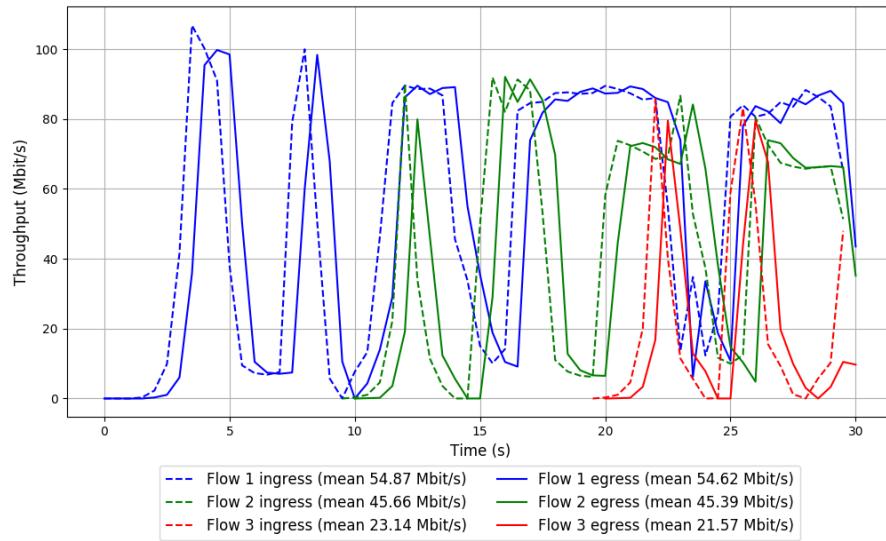


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-08-26 23:51:48
End at: 2019-08-26 23:52:18
Local clock offset: -0.216 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 108.171 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 106.745 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 111.848 ms
Loss rate: 8.85%
```

Run 4: Report of QUIC Cubic — Data Link

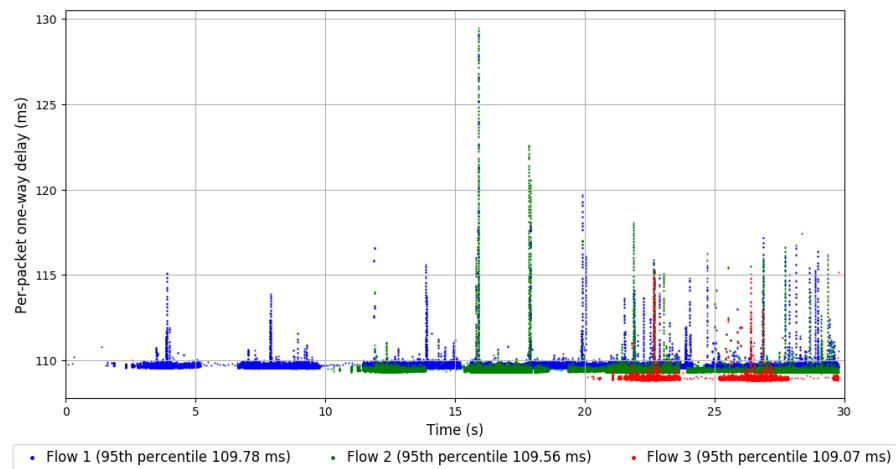
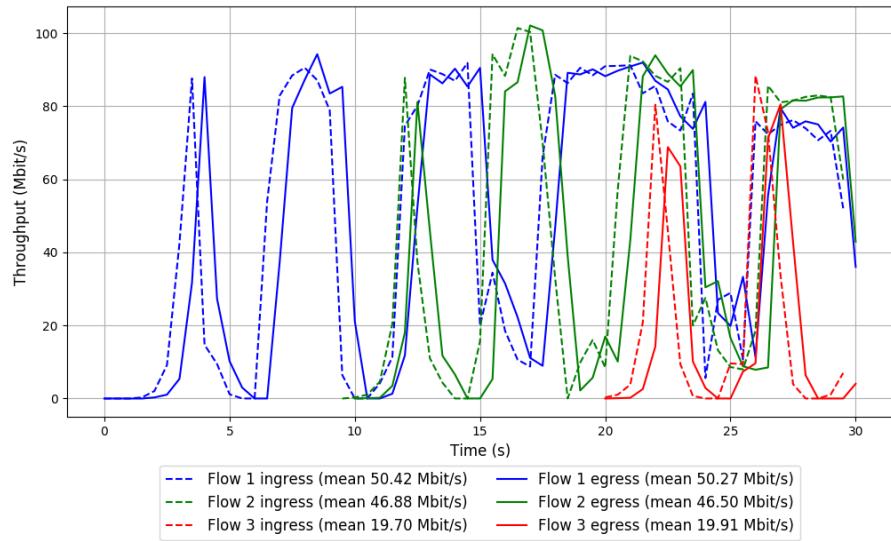


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-08-27 00:35:14
End at: 2019-08-27 00:35:44
Local clock offset: 0.018 ms
Remote clock offset: 0.188 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 109.752 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 109.784 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 109.559 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 109.072 ms
Loss rate: 1.03%
```

Run 5: Report of QUIC Cubic — Data Link

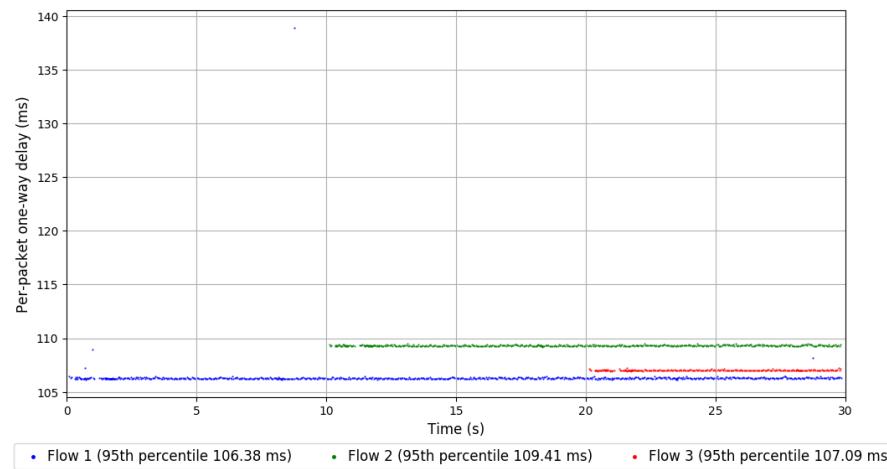
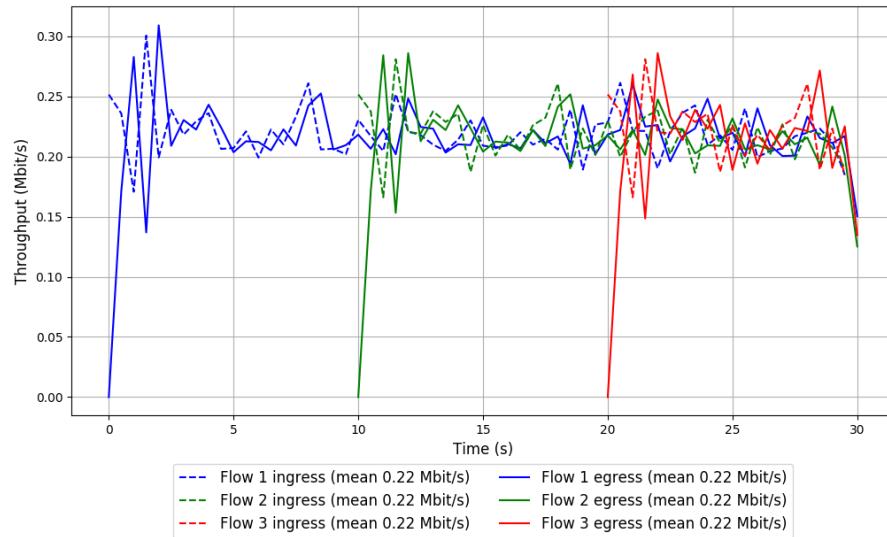


```
Run 1: Statistics of SCReAM

Start at: 2019-08-26 21:33:55
End at: 2019-08-26 21:34:25
Local clock offset: 0.111 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-08-27 03:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.372 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.382 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.407 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.091 ms
Loss rate: 2.22%
```

Run 1: Report of SCReAM — Data Link

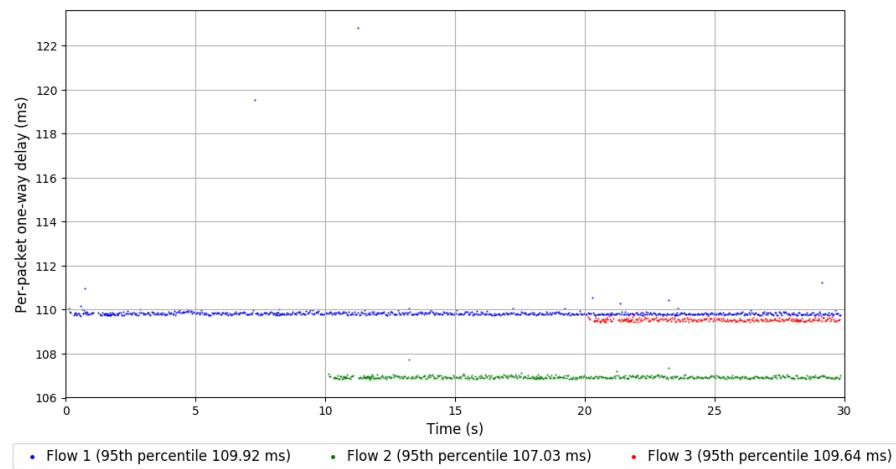
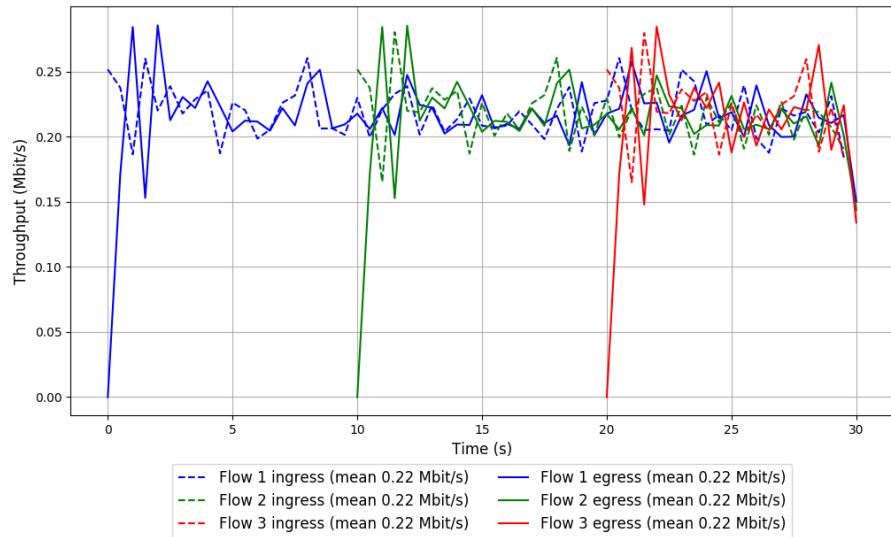


Run 2: Statistics of SCReAM

```
Start at: 2019-08-26 22:17:30
End at: 2019-08-26 22:18:00
Local clock offset: 0.062 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.892 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.923 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.027 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.643 ms
Loss rate: 2.22%
```

Run 2: Report of SCReAM — Data Link

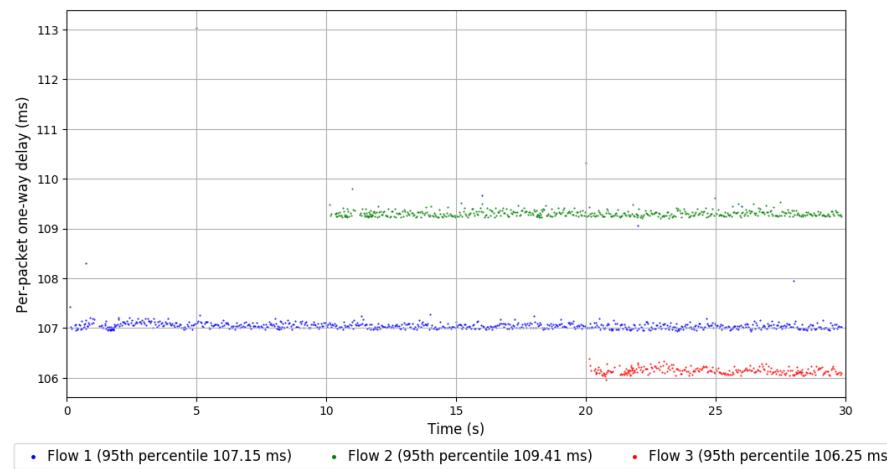
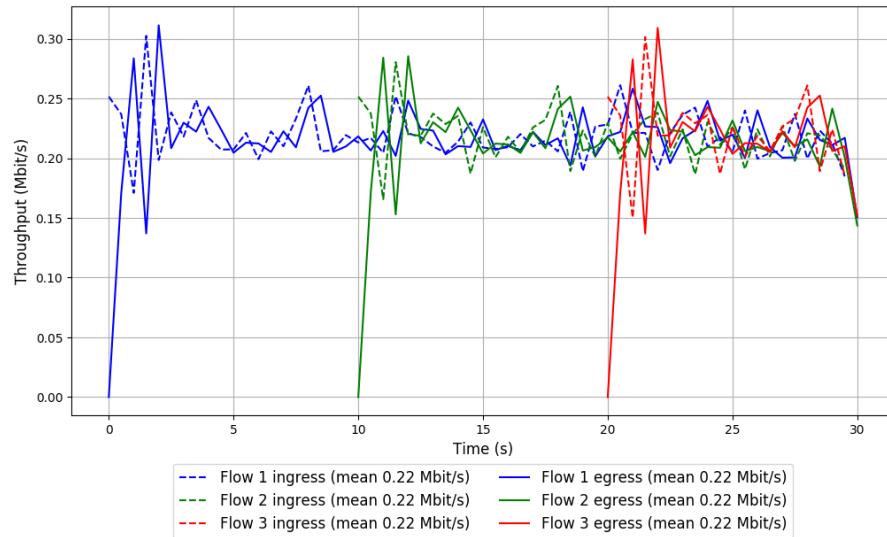


Run 3: Statistics of SCReAM

```
Start at: 2019-08-26 23:01:12
End at: 2019-08-26 23:01:42
Local clock offset: -0.082 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 109.362 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.151 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.413 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.252 ms
Loss rate: 1.85%
```

Run 3: Report of SCReAM — Data Link

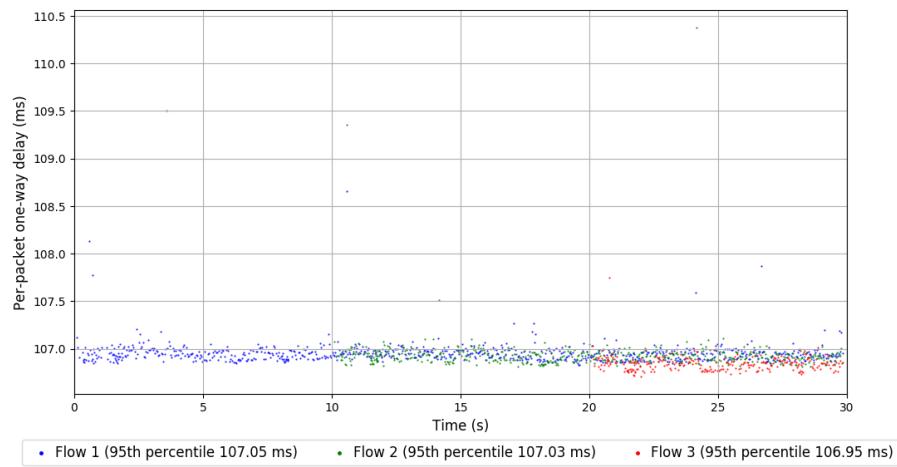
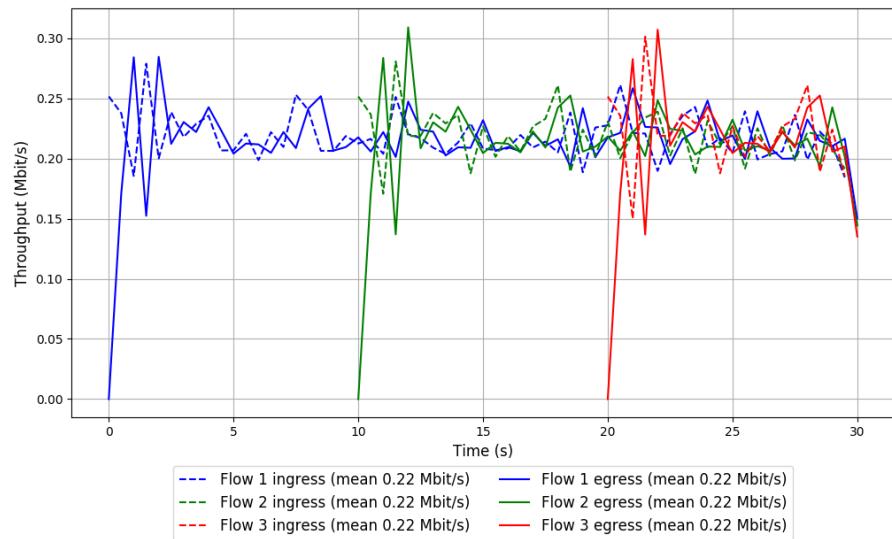


Run 4: Statistics of SCReAM

```
Start at: 2019-08-26 23:44:43
End at: 2019-08-26 23:45:13
Local clock offset: -0.057 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 107.034 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.050 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.027 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.953 ms
Loss rate: 2.23%
```

Run 4: Report of SCReAM — Data Link

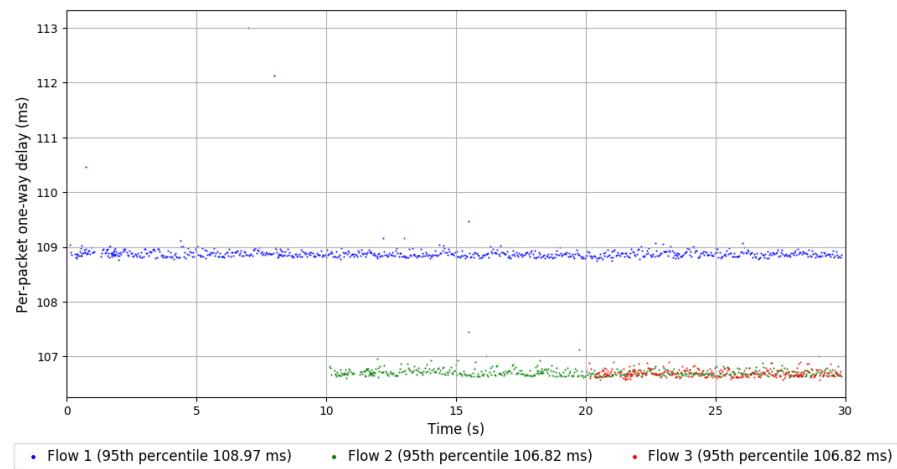
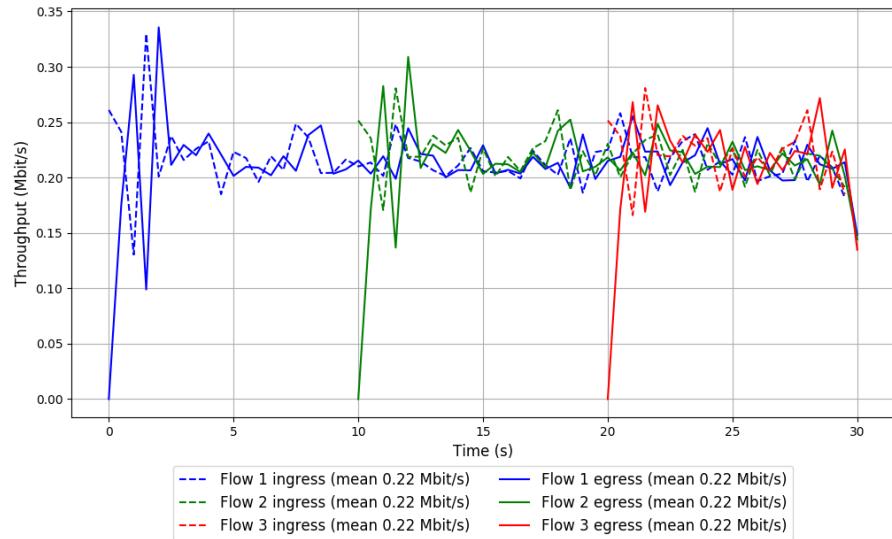


Run 5: Statistics of SCReAM

```
Start at: 2019-08-27 00:28:35
End at: 2019-08-27 00:29:05
Local clock offset: -0.13 ms
Remote clock offset: 0.203 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 108.948 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.972 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.822 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 106.823 ms
Loss rate: 2.22%
```

Run 5: Report of SCReAM — Data Link

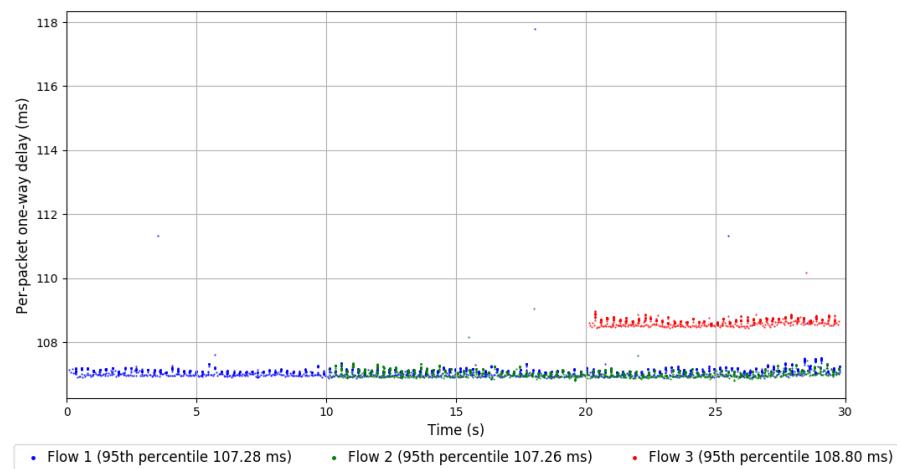
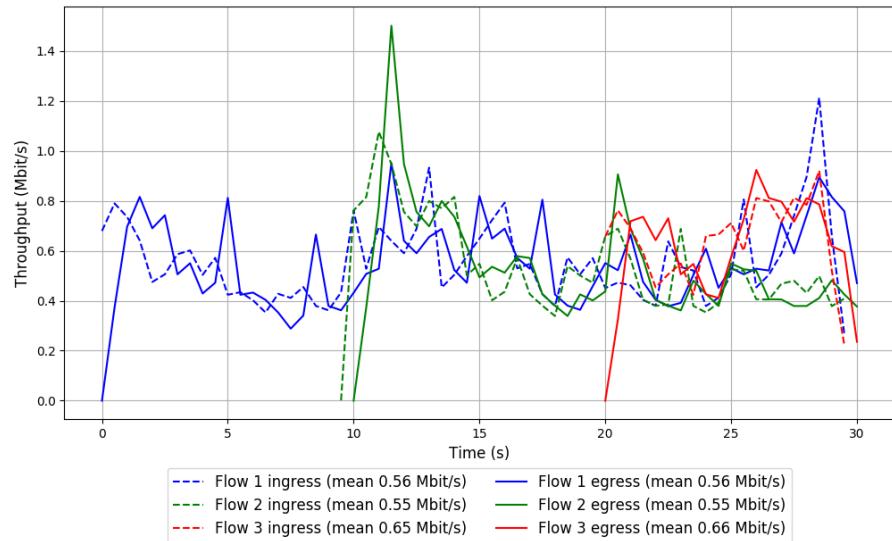


Run 1: Statistics of Sprout

```
Start at: 2019-08-26 21:32:38
End at: 2019-08-26 21:33:08
Local clock offset: 0.16 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 108.734 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 107.283 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 107.264 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 108.804 ms
Loss rate: 1.68%
```

Run 1: Report of Sprout — Data Link

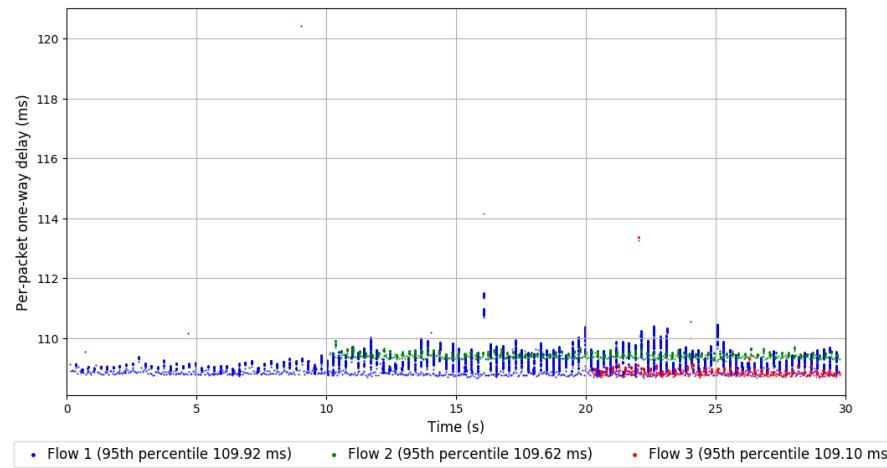
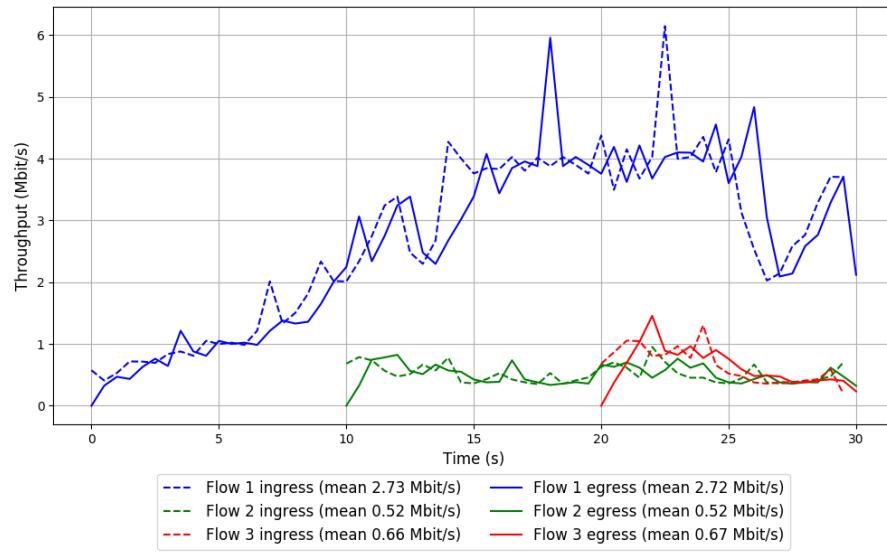


Run 2: Statistics of Sprout

```
Start at: 2019-08-26 22:16:14
End at: 2019-08-26 22:16:44
Local clock offset: -0.733 ms
Remote clock offset: -0.398 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 109.866 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 109.920 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 109.625 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 109.099 ms
Loss rate: 1.15%
```

Run 2: Report of Sprout — Data Link

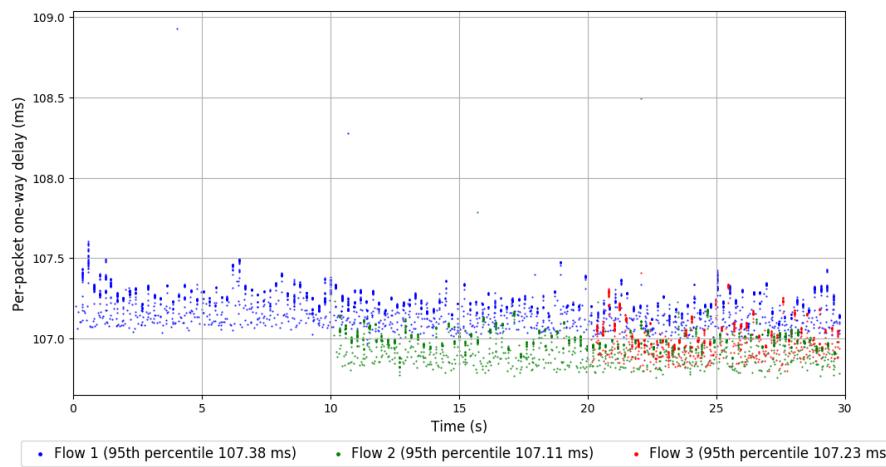
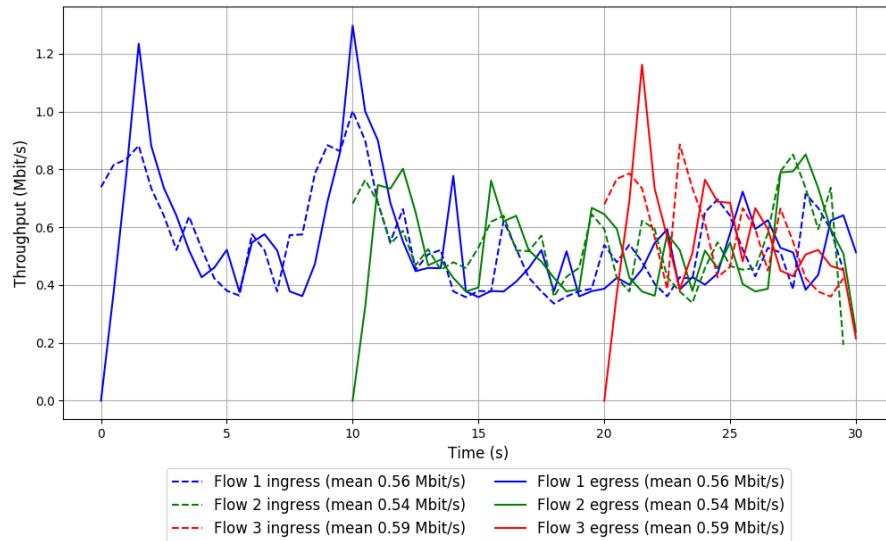


Run 3: Statistics of Sprout

```
Start at: 2019-08-26 22:59:55
End at: 2019-08-26 23:00:25
Local clock offset: -0.015 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 107.334 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 107.382 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 107.107 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 107.235 ms
Loss rate: 1.83%
```

Run 3: Report of Sprout — Data Link

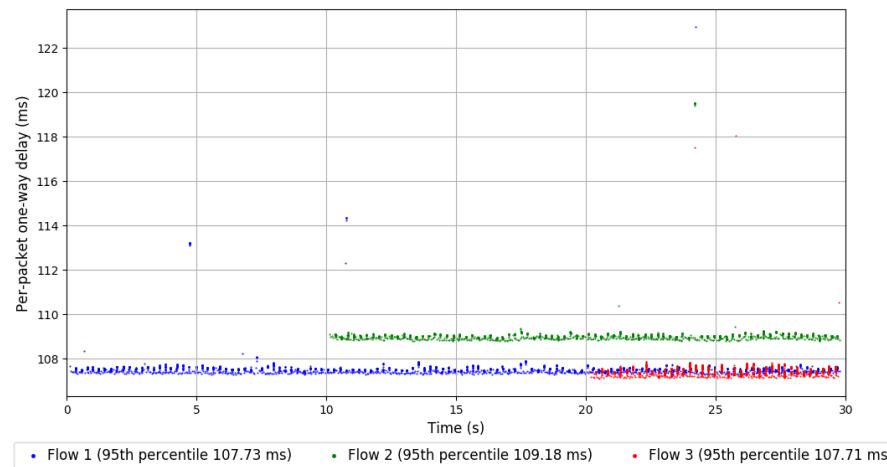
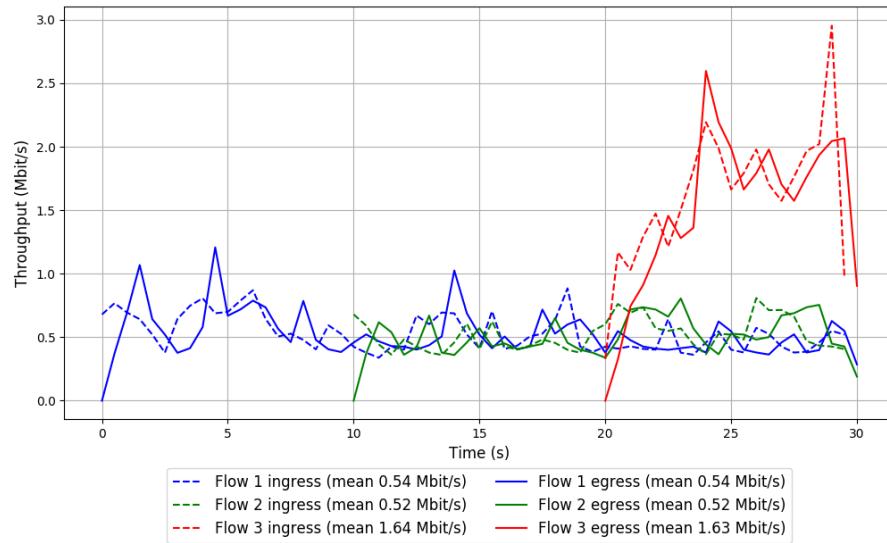


Run 4: Statistics of Sprout

```
Start at: 2019-08-26 23:43:26
End at: 2019-08-26 23:43:56
Local clock offset: -0.141 ms
Remote clock offset: -0.578 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 109.110 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 107.728 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 109.184 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 107.714 ms
Loss rate: 3.02%
```

Run 4: Report of Sprout — Data Link

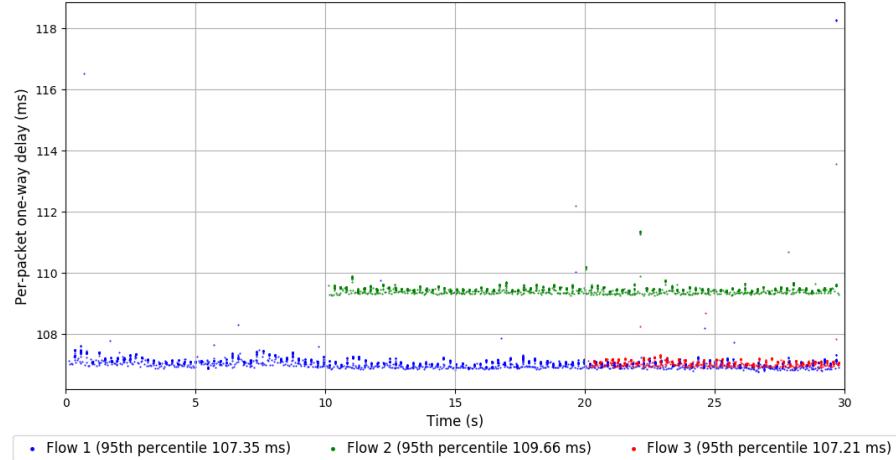
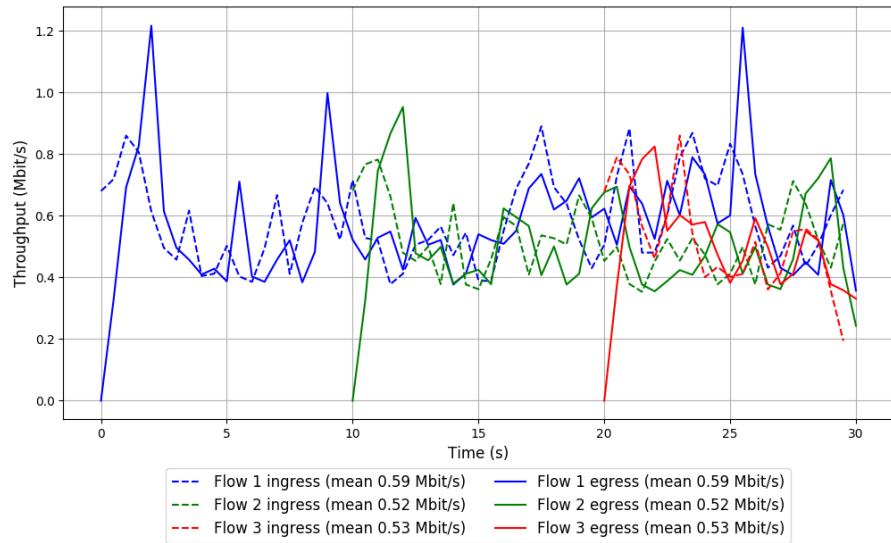


Run 5: Statistics of Sprout

```
Start at: 2019-08-27 00:27:18
End at: 2019-08-27 00:27:48
Local clock offset: 0.117 ms
Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2019-08-27 03:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 109.551 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 107.351 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 109.660 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 107.208 ms
Loss rate: 0.46%
```

Run 5: Report of Sprout — Data Link

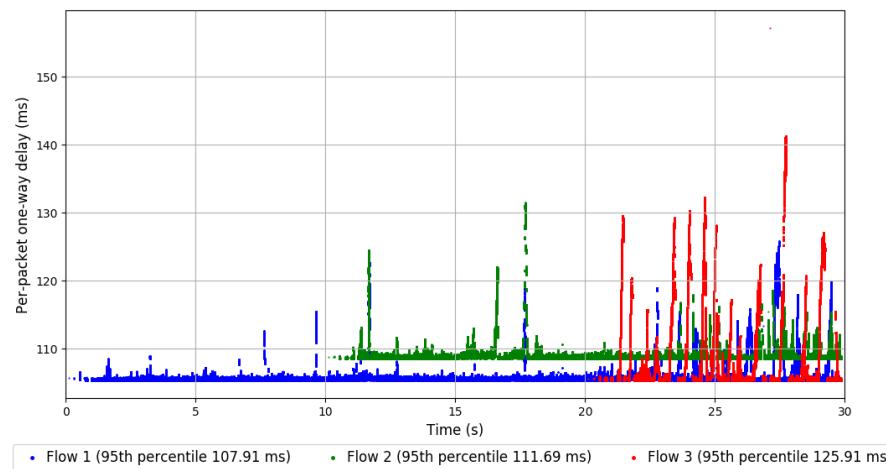
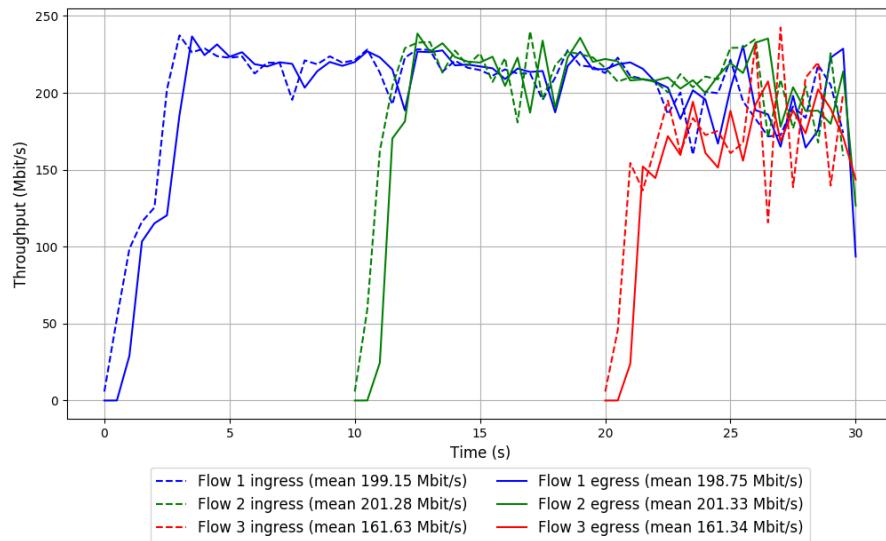


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-08-26 21:23:04
End at: 2019-08-26 21:23:34
Local clock offset: -0.527 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-08-27 03:35:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.14 Mbit/s
95th percentile per-packet one-way delay: 112.952 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 198.75 Mbit/s
95th percentile per-packet one-way delay: 107.905 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 111.690 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 161.34 Mbit/s
95th percentile per-packet one-way delay: 125.911 ms
Loss rate: 2.52%
```

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

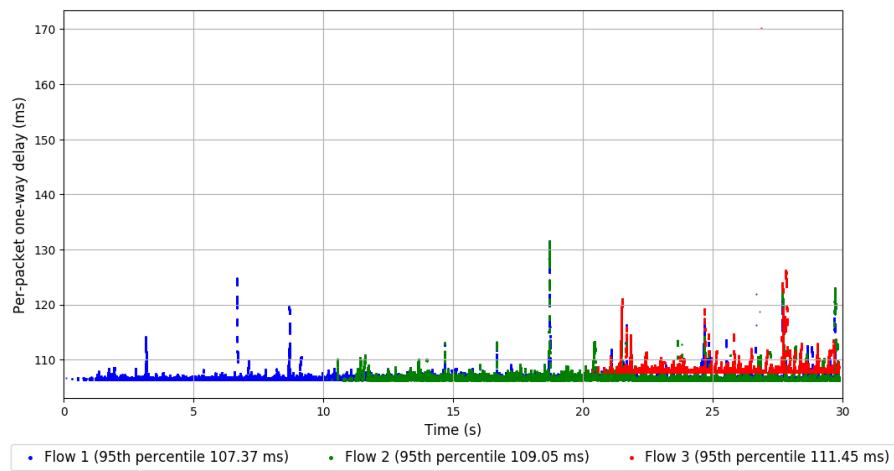
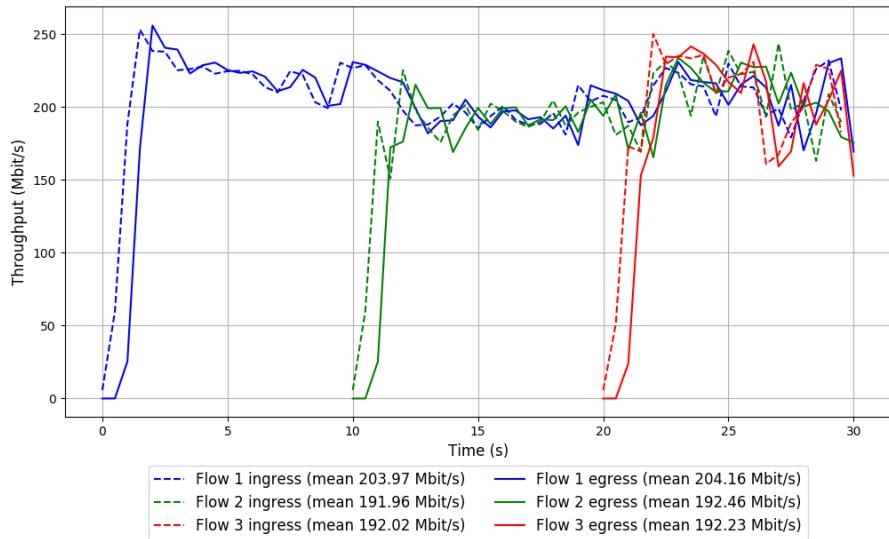


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-08-26 22:06:37
End at: 2019-08-26 22:07:07
Local clock offset: -0.611 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-08-27 03:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.66 Mbit/s
95th percentile per-packet one-way delay: 109.143 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 204.16 Mbit/s
95th percentile per-packet one-way delay: 107.366 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 192.46 Mbit/s
95th percentile per-packet one-way delay: 109.048 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 192.23 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 2.27%
```

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

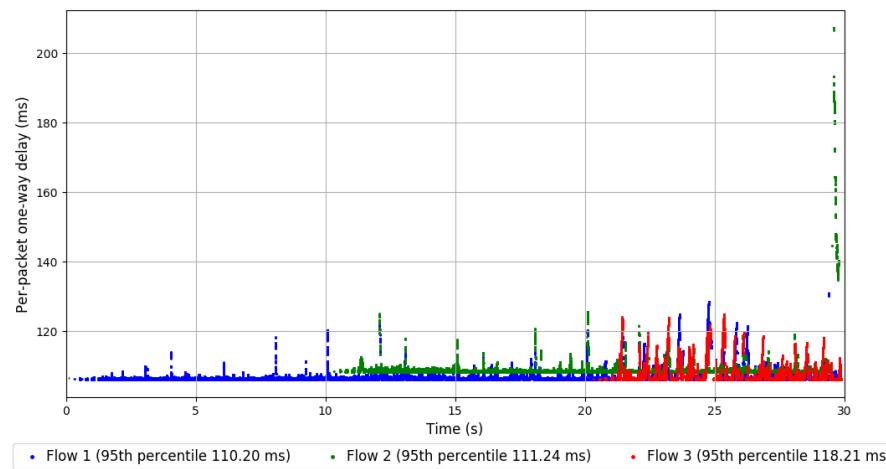
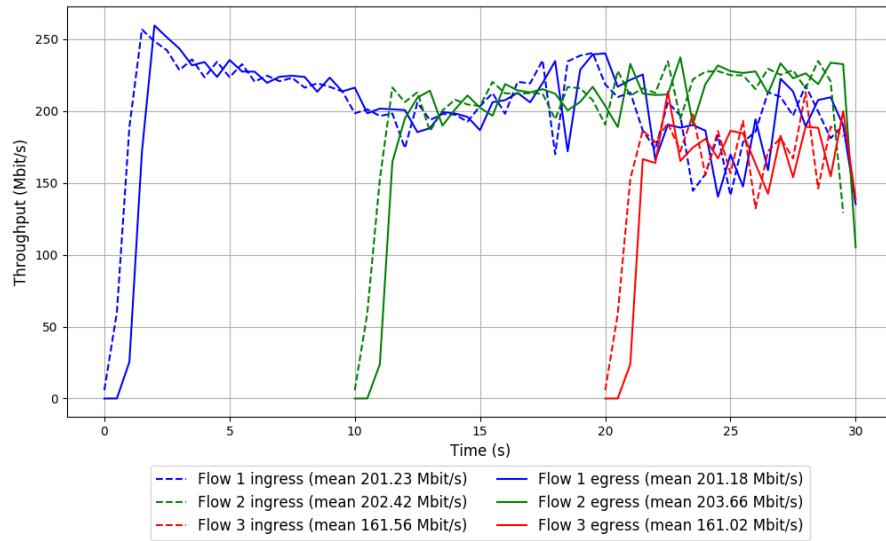


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-08-26 22:50:15
End at: 2019-08-26 22:50:45
Local clock offset: -0.549 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2019-08-27 03:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.47 Mbit/s
95th percentile per-packet one-way delay: 112.720 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 201.18 Mbit/s
95th percentile per-packet one-way delay: 110.200 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 203.66 Mbit/s
95th percentile per-packet one-way delay: 111.241 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 161.02 Mbit/s
95th percentile per-packet one-way delay: 118.207 ms
Loss rate: 2.48%
```

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

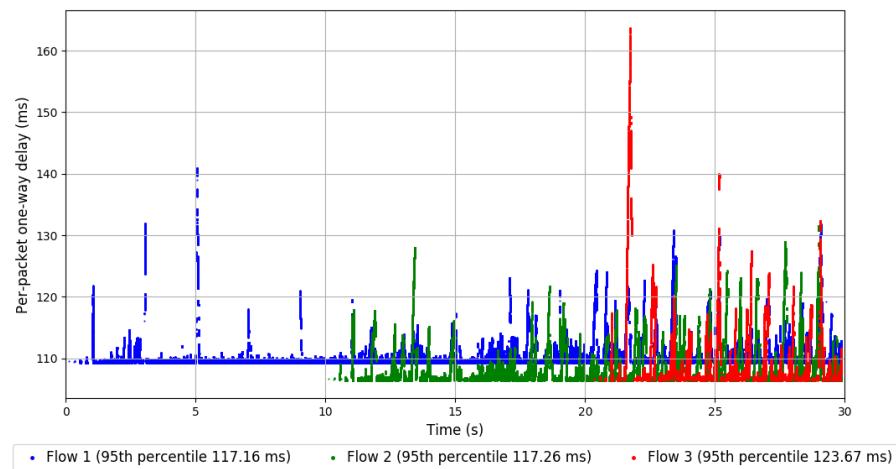
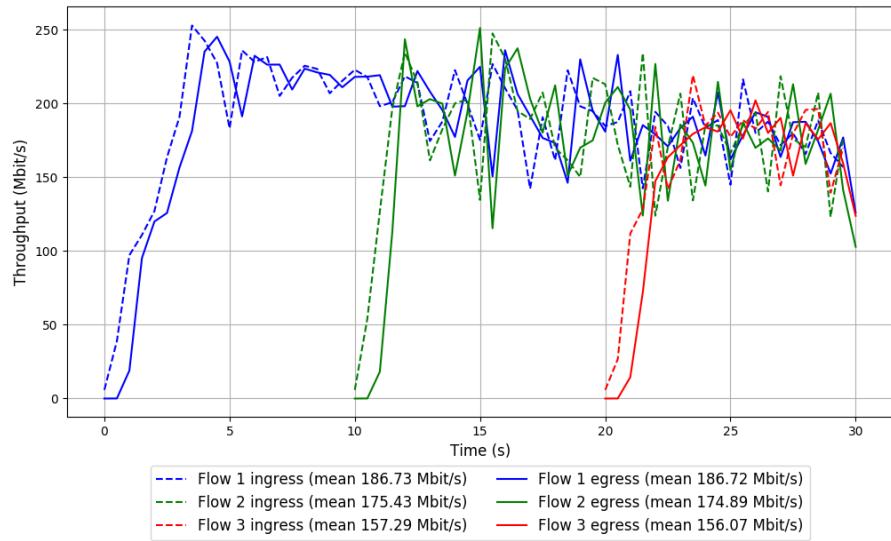


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-08-26 23:33:53
End at: 2019-08-26 23:34:23
Local clock offset: -0.375 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2019-08-27 03:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.88 Mbit/s
95th percentile per-packet one-way delay: 118.125 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 186.72 Mbit/s
95th percentile per-packet one-way delay: 117.156 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 174.89 Mbit/s
95th percentile per-packet one-way delay: 117.264 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 156.07 Mbit/s
95th percentile per-packet one-way delay: 123.673 ms
Loss rate: 2.75%
```

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

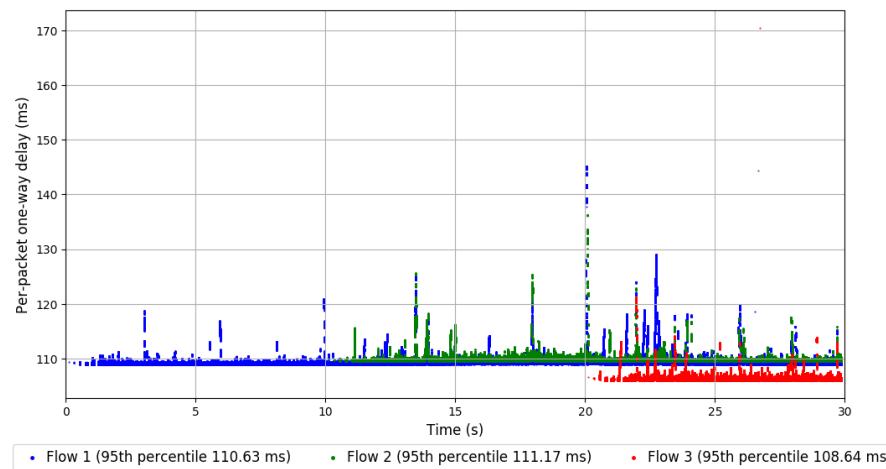
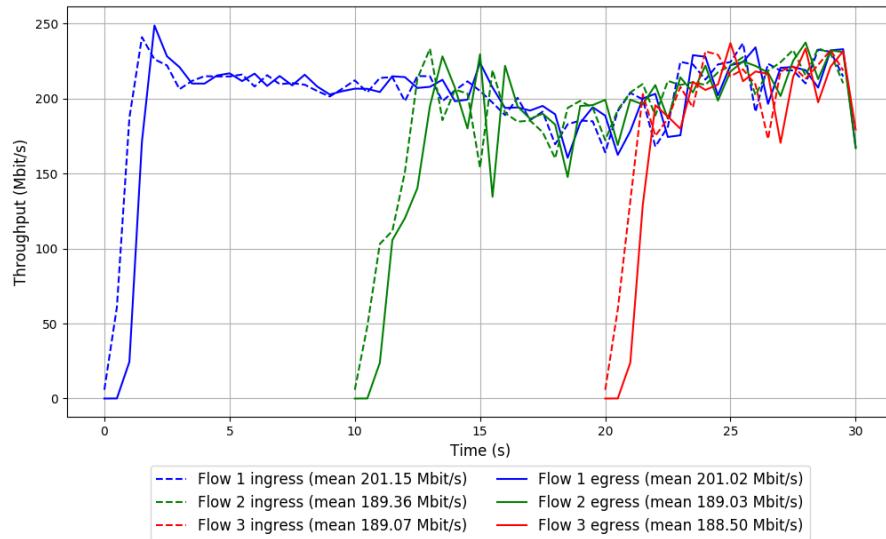


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-08-27 00:17:43
End at: 2019-08-27 00:18:13
Local clock offset: -0.086 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2019-08-27 03:36:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.20 Mbit/s
95th percentile per-packet one-way delay: 110.715 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 201.02 Mbit/s
95th percentile per-packet one-way delay: 110.631 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 189.03 Mbit/s
95th percentile per-packet one-way delay: 111.166 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 188.50 Mbit/s
95th percentile per-packet one-way delay: 108.636 ms
Loss rate: 2.48%
```

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

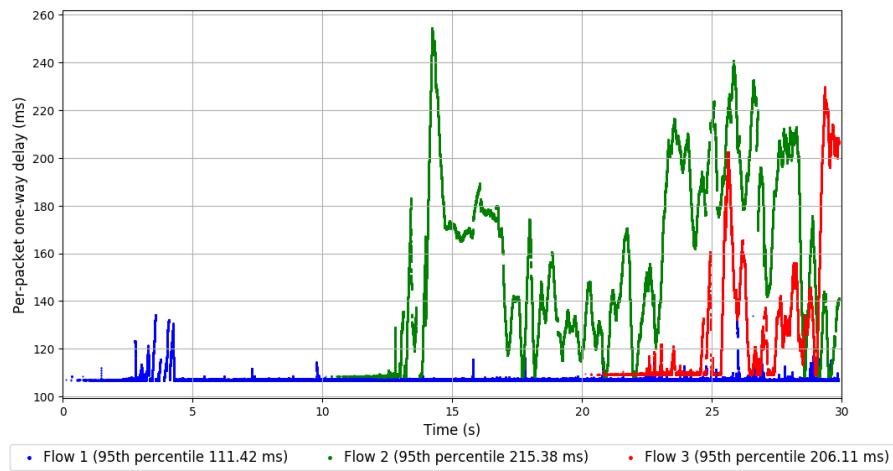
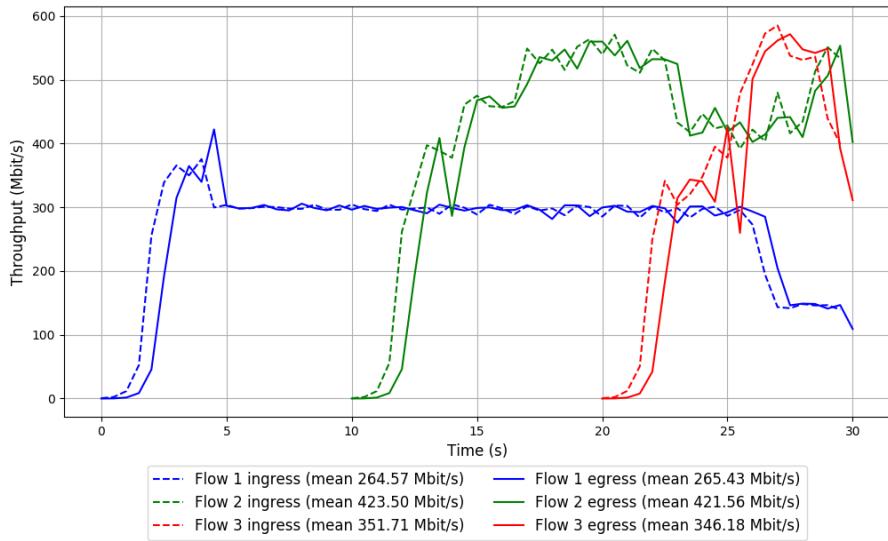


Run 1: Statistics of TCP Vegas

```
Start at: 2019-08-26 21:35:11
End at: 2019-08-26 21:35:41
Local clock offset: 0.094 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-08-27 03:38:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.50 Mbit/s
95th percentile per-packet one-way delay: 206.742 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 265.43 Mbit/s
95th percentile per-packet one-way delay: 111.423 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 421.56 Mbit/s
95th percentile per-packet one-way delay: 215.378 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 346.18 Mbit/s
95th percentile per-packet one-way delay: 206.113 ms
Loss rate: 3.70%
```

Run 1: Report of TCP Vegas — Data Link

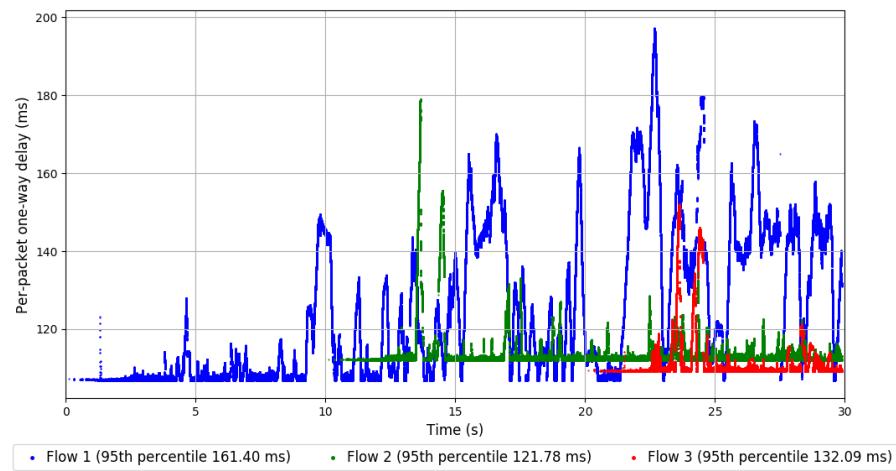
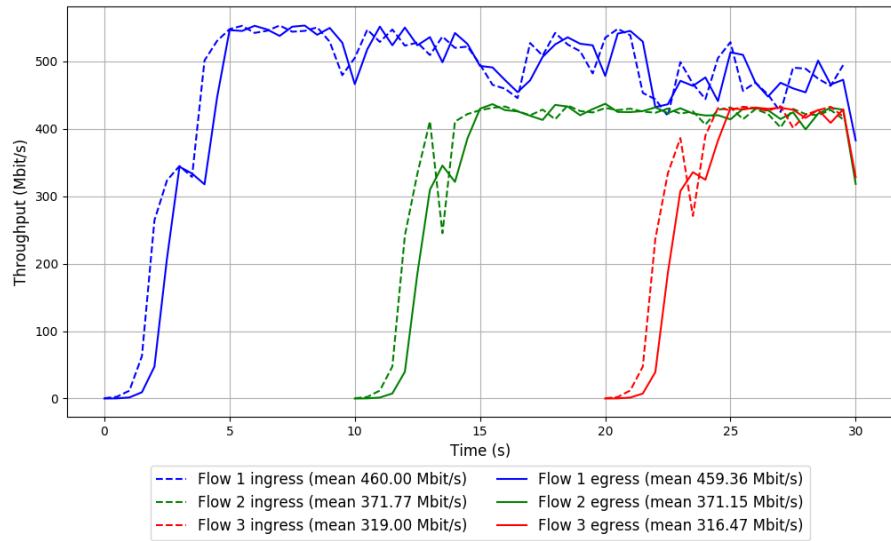


Run 2: Statistics of TCP Vegas

```
Start at: 2019-08-26 22:18:46
End at: 2019-08-26 22:19:16
Local clock offset: 0.076 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2019-08-27 03:46:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 809.38 Mbit/s
95th percentile per-packet one-way delay: 153.308 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 459.36 Mbit/s
95th percentile per-packet one-way delay: 161.404 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 371.15 Mbit/s
95th percentile per-packet one-way delay: 121.784 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 316.47 Mbit/s
95th percentile per-packet one-way delay: 132.089 ms
Loss rate: 2.95%
```

Run 2: Report of TCP Vegas — Data Link

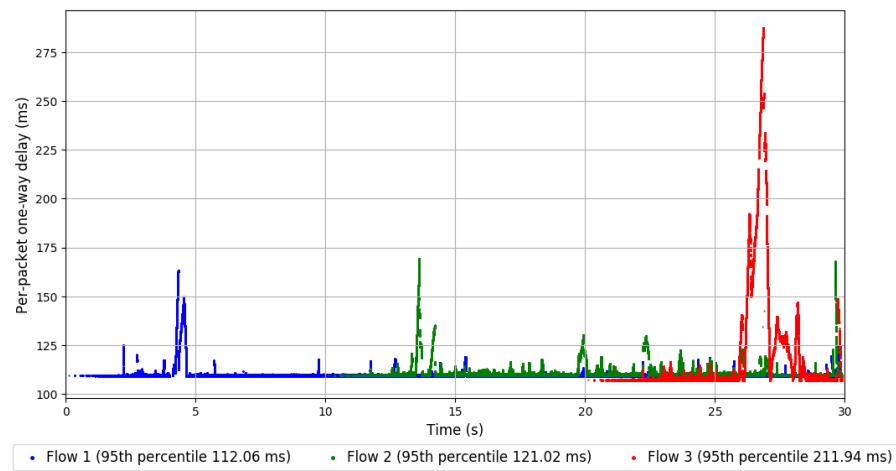
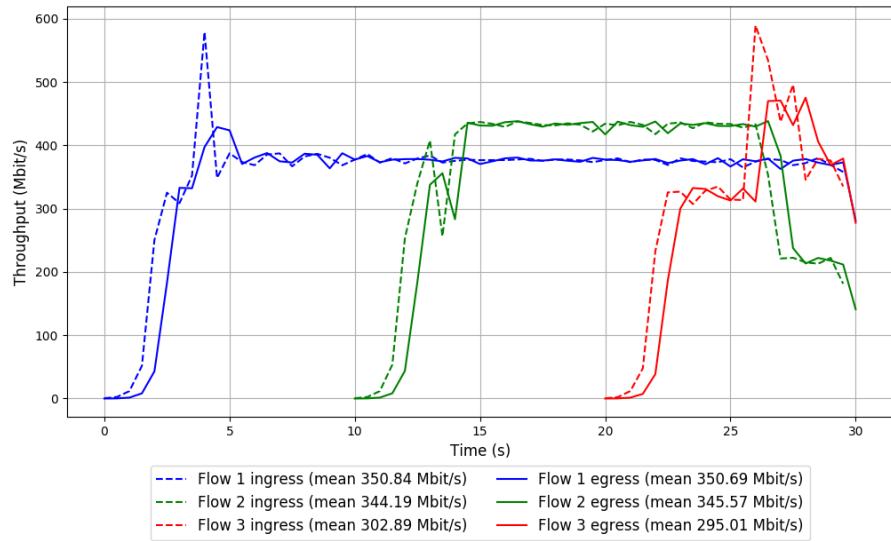


Run 3: Statistics of TCP Vegas

```
Start at: 2019-08-26 23:02:28
End at: 2019-08-26 23:02:58
Local clock offset: -0.006 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2019-08-27 03:46:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 676.71 Mbit/s
95th percentile per-packet one-way delay: 128.078 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 350.69 Mbit/s
95th percentile per-packet one-way delay: 112.055 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 345.57 Mbit/s
95th percentile per-packet one-way delay: 121.022 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 295.01 Mbit/s
95th percentile per-packet one-way delay: 211.945 ms
Loss rate: 4.72%
```

Run 3: Report of TCP Vegas — Data Link

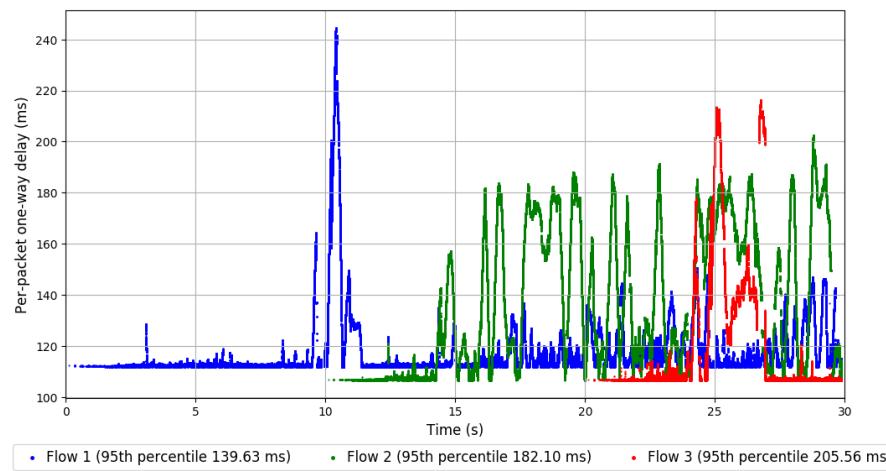
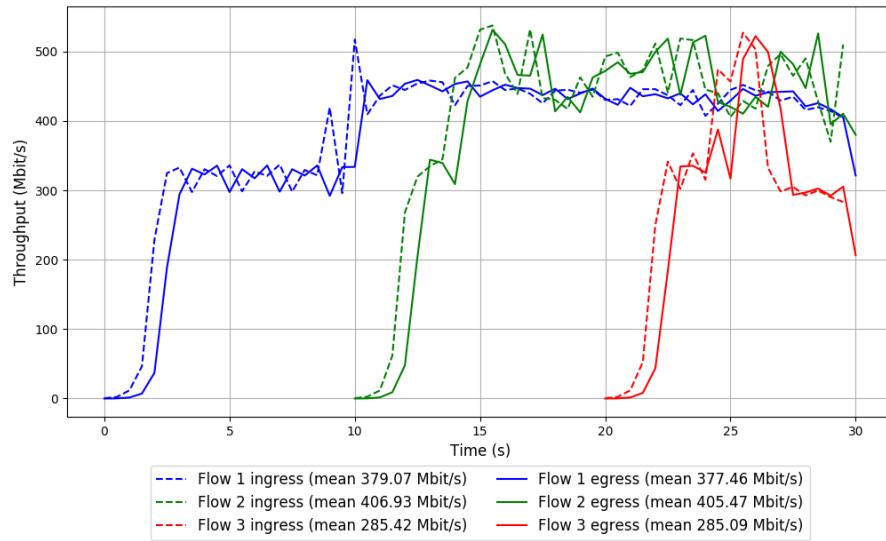


Run 4: Statistics of TCP Vegas

```
Start at: 2019-08-26 23:45:59
End at: 2019-08-26 23:46:29
Local clock offset: -0.124 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2019-08-27 03:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 740.14 Mbit/s
95th percentile per-packet one-way delay: 179.527 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 377.46 Mbit/s
95th percentile per-packet one-way delay: 139.630 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 405.47 Mbit/s
95th percentile per-packet one-way delay: 182.104 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 285.09 Mbit/s
95th percentile per-packet one-way delay: 205.560 ms
Loss rate: 2.28%
```

Run 4: Report of TCP Vegas — Data Link

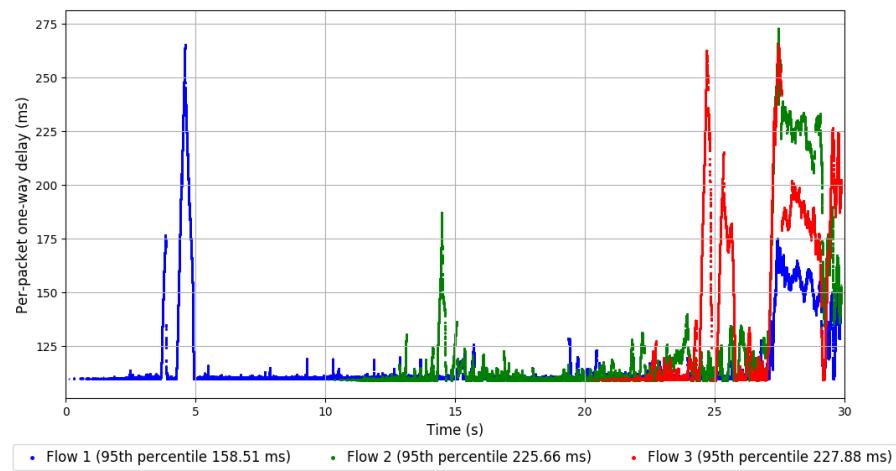
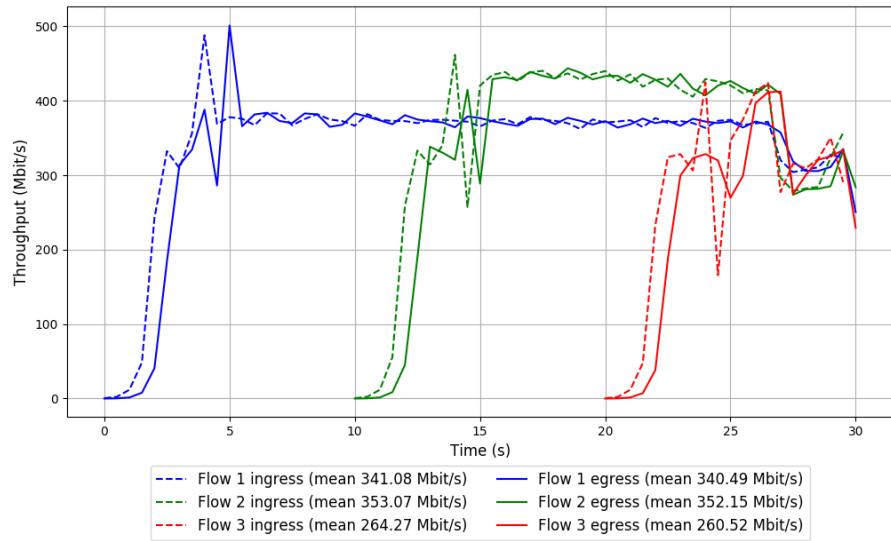


Run 5: Statistics of TCP Vegas

```
Start at: 2019-08-27 00:29:51
End at: 2019-08-27 00:30:21
Local clock offset: -0.035 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2019-08-27 03:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.54 Mbit/s
95th percentile per-packet one-way delay: 199.157 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 340.49 Mbit/s
95th percentile per-packet one-way delay: 158.508 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 352.15 Mbit/s
95th percentile per-packet one-way delay: 225.662 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 260.52 Mbit/s
95th percentile per-packet one-way delay: 227.880 ms
Loss rate: 3.57%
```

Run 5: Report of TCP Vegas — Data Link

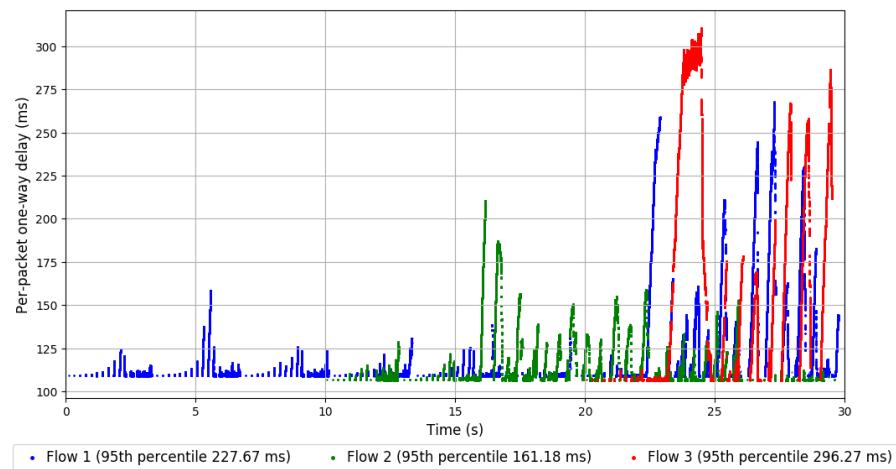
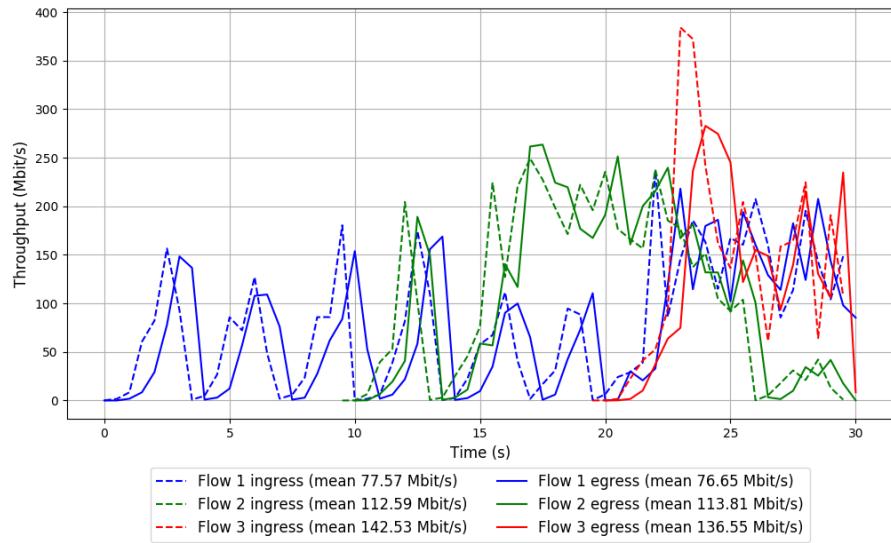


Run 1: Statistics of Verus

```
Start at: 2019-08-26 21:44:17
End at: 2019-08-26 21:44:47
Local clock offset: -0.248 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2019-08-27 03:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 195.21 Mbit/s
95th percentile per-packet one-way delay: 256.122 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 227.674 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 113.81 Mbit/s
95th percentile per-packet one-way delay: 161.184 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 136.55 Mbit/s
95th percentile per-packet one-way delay: 296.267 ms
Loss rate: 8.95%
```

Run 1: Report of Verus — Data Link

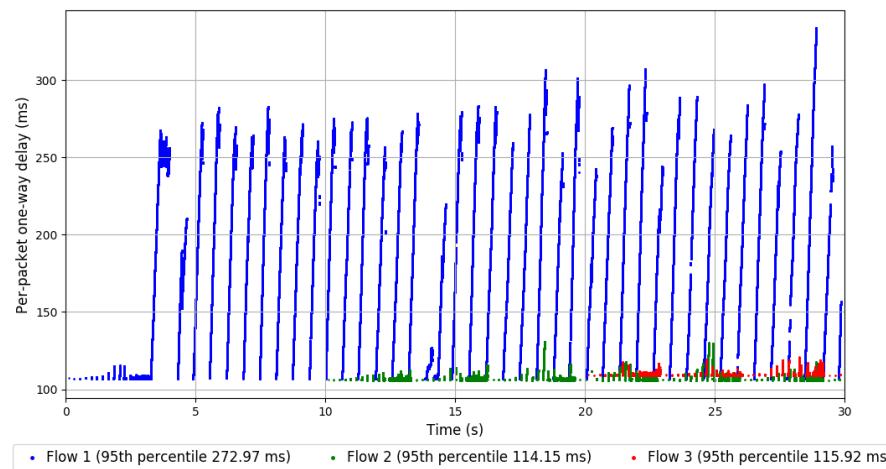
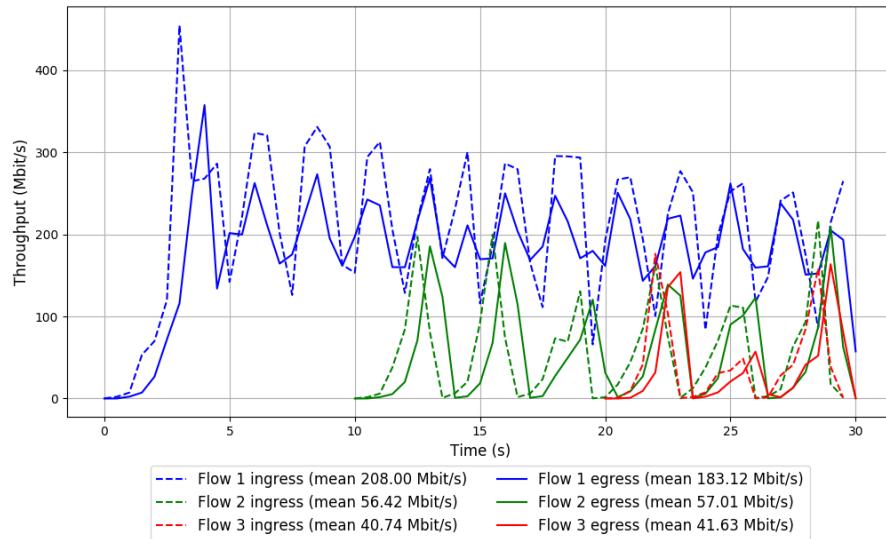


Run 2: Statistics of Verus

```
Start at: 2019-08-26 22:28:01
End at: 2019-08-26 22:28:31
Local clock offset: -0.08 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-08-27 03:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.46 Mbit/s
95th percentile per-packet one-way delay: 270.380 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 183.12 Mbit/s
95th percentile per-packet one-way delay: 272.973 ms
Loss rate: 12.41%
-- Flow 2:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 114.149 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 115.918 ms
Loss rate: 0.07%
```

Run 2: Report of Verus — Data Link

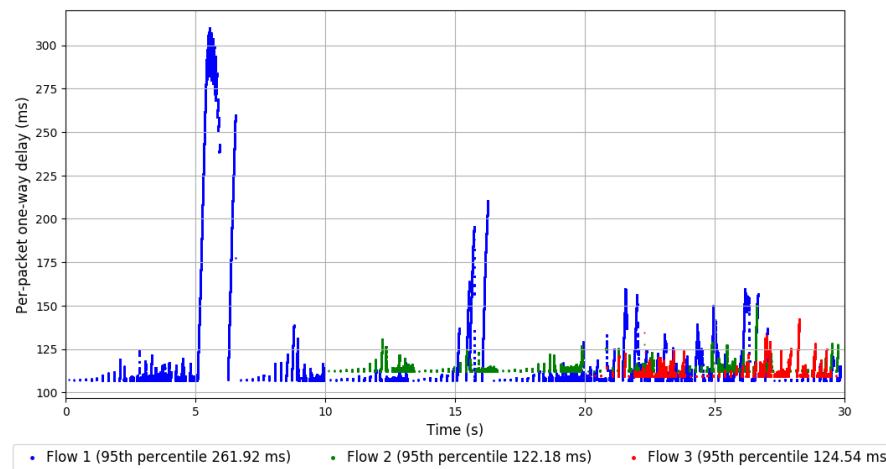
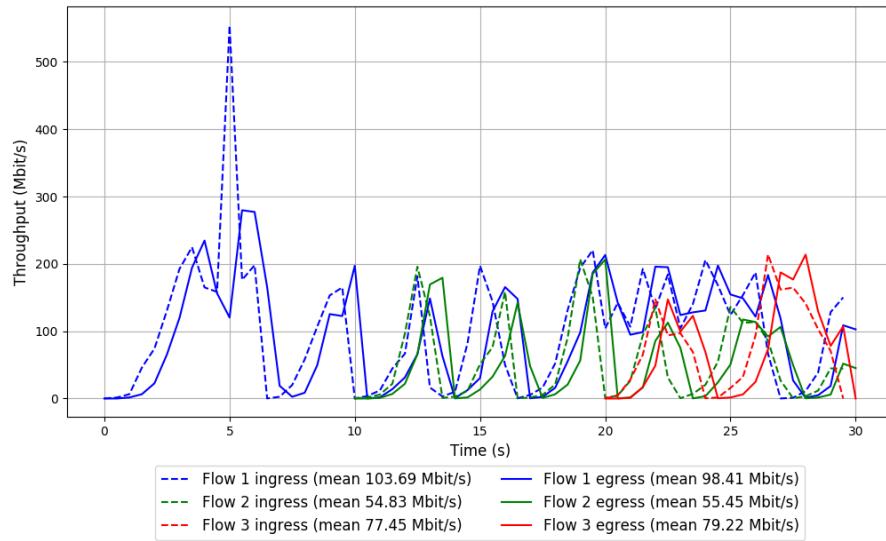


Run 3: Statistics of Verus

```
Start at: 2019-08-26 23:11:40
End at: 2019-08-26 23:12:10
Local clock offset: -0.092 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2019-08-27 03:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 160.30 Mbit/s
95th percentile per-packet one-way delay: 214.179 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 98.41 Mbit/s
95th percentile per-packet one-way delay: 261.916 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 122.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.22 Mbit/s
95th percentile per-packet one-way delay: 124.542 ms
Loss rate: 0.01%
```

Run 3: Report of Verus — Data Link

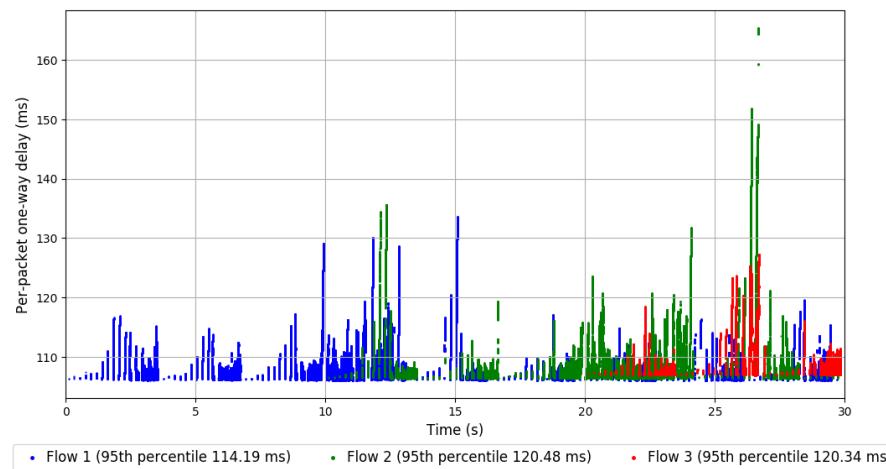
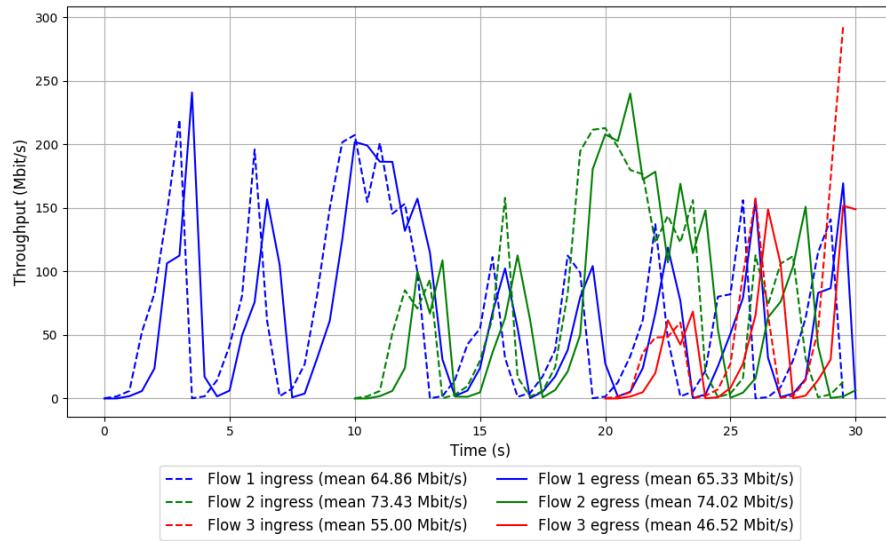


Run 4: Statistics of Verus

```
Start at: 2019-08-26 23:55:12
End at: 2019-08-26 23:55:42
Local clock offset: -0.082 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2019-08-27 03:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 129.09 Mbit/s
95th percentile per-packet one-way delay: 117.572 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 65.33 Mbit/s
95th percentile per-packet one-way delay: 114.186 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 120.481 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 120.341 ms
Loss rate: 17.27%
```

Run 4: Report of Verus — Data Link

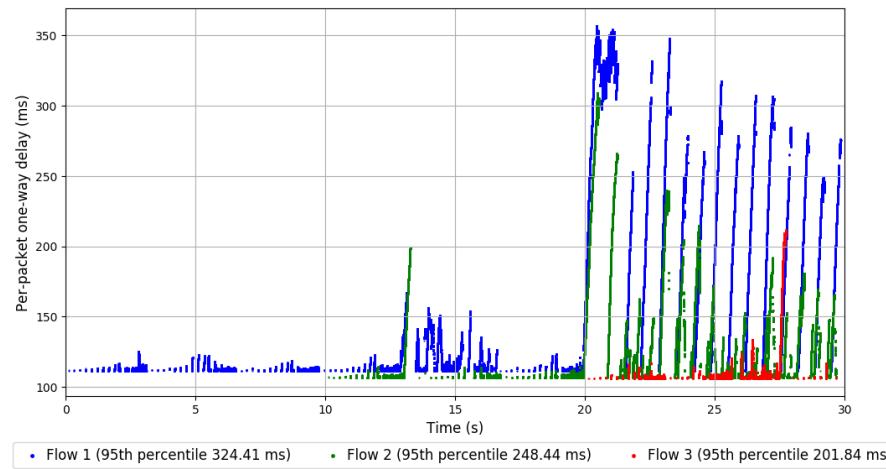
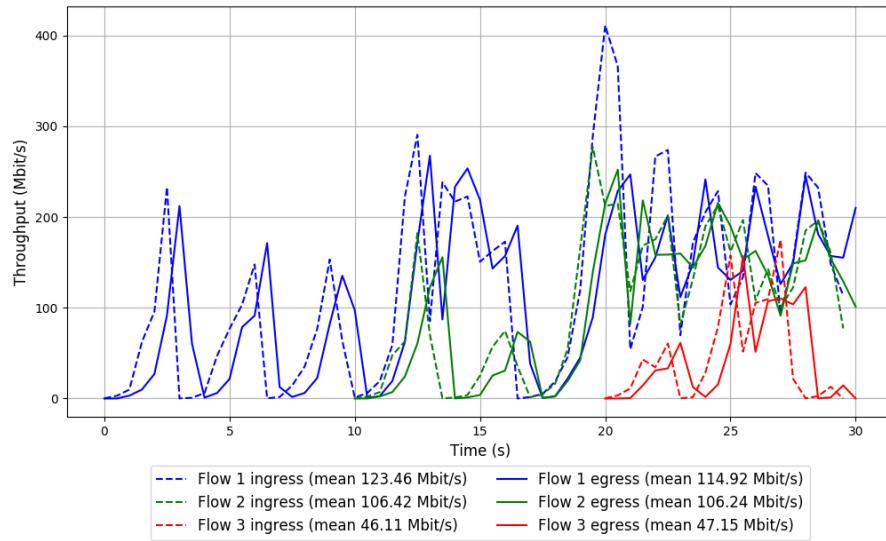


Run 5: Statistics of Verus

```
Start at: 2019-08-27 00:38:34
End at: 2019-08-27 00:39:04
Local clock offset: -0.021 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2019-08-27 03:50:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.94 Mbit/s
95th percentile per-packet one-way delay: 303.453 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 114.92 Mbit/s
95th percentile per-packet one-way delay: 324.410 ms
Loss rate: 6.54%
-- Flow 2:
Average throughput: 106.24 Mbit/s
95th percentile per-packet one-way delay: 248.444 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 201.845 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

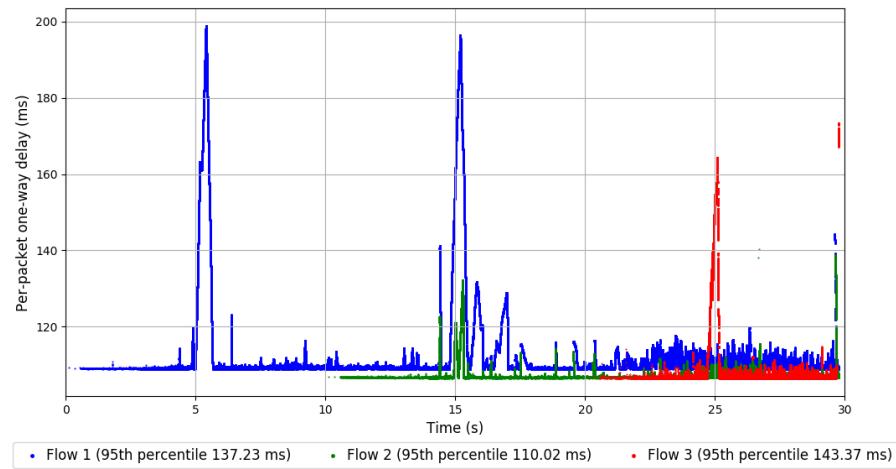
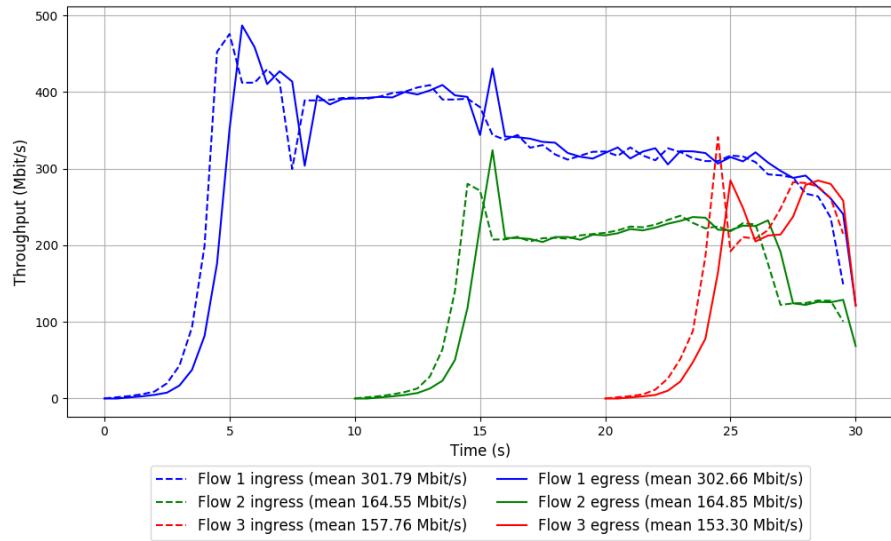


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-08-26 21:45:57
End at: 2019-08-26 21:46:27
Local clock offset: -0.147 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-08-27 03:51:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.74 Mbit/s
95th percentile per-packet one-way delay: 128.294 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 302.66 Mbit/s
95th percentile per-packet one-way delay: 137.234 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 164.85 Mbit/s
95th percentile per-packet one-way delay: 110.023 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 153.30 Mbit/s
95th percentile per-packet one-way delay: 143.365 ms
Loss rate: 4.96%
```

Run 1: Report of PCC-Vivace — Data Link

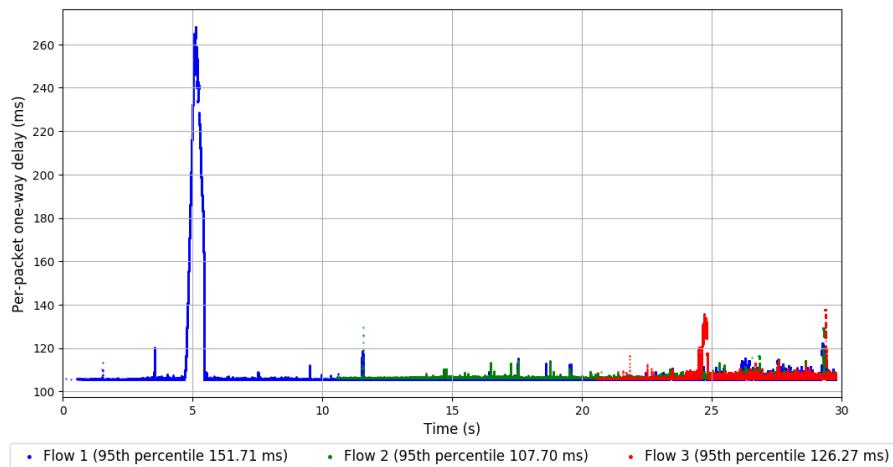
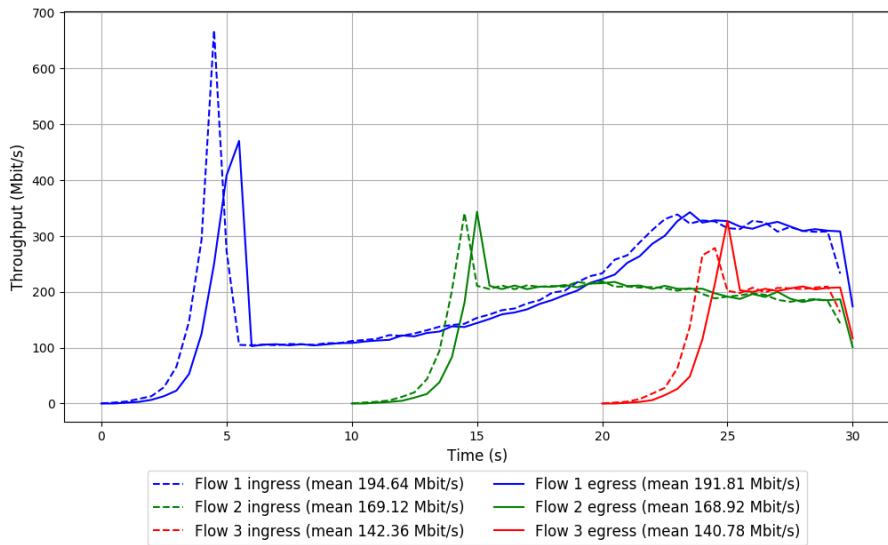


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-08-26 22:29:44
End at: 2019-08-26 22:30:14
Local clock offset: -0.605 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2019-08-27 03:51:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.52 Mbit/s
95th percentile per-packet one-way delay: 114.027 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 191.81 Mbit/s
95th percentile per-packet one-way delay: 151.714 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 168.92 Mbit/s
95th percentile per-packet one-way delay: 107.704 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 140.78 Mbit/s
95th percentile per-packet one-way delay: 126.268 ms
Loss rate: 3.25%
```

Run 2: Report of PCC-Vivace — Data Link

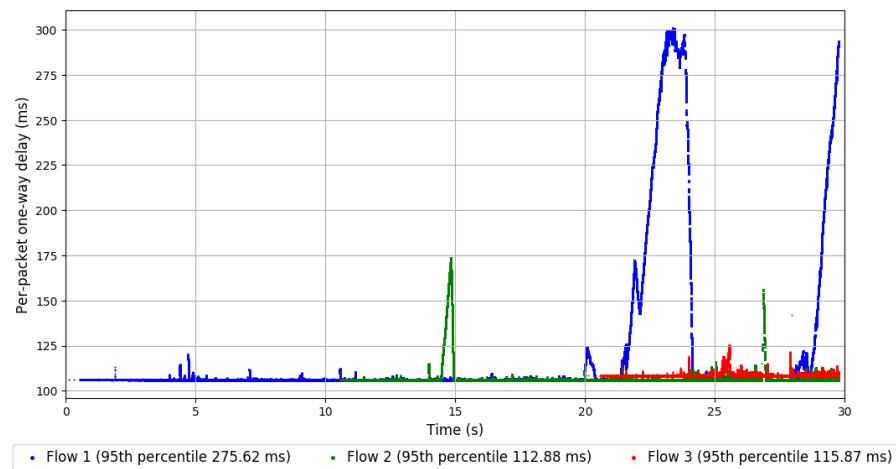
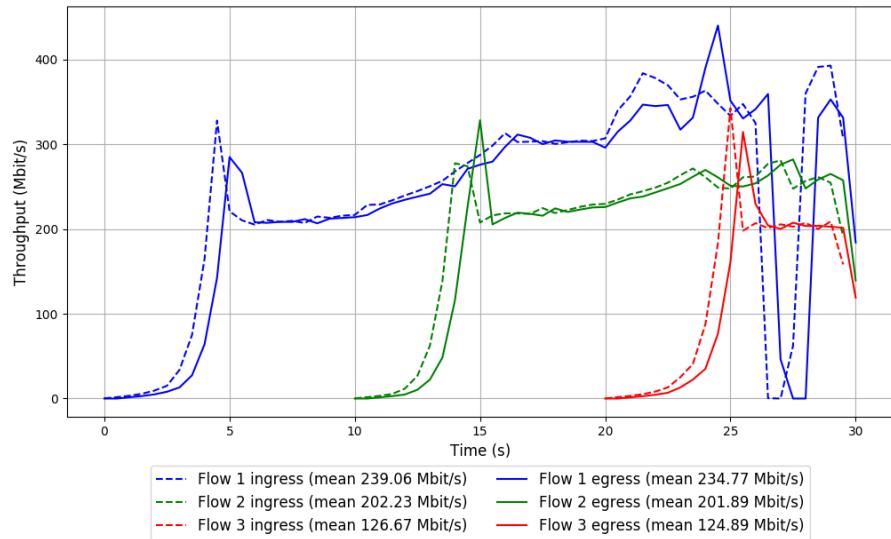


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-08-26 23:13:16
End at: 2019-08-26 23:13:46
Local clock offset: -0.137 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-08-27 03:52:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.10 Mbit/s
95th percentile per-packet one-way delay: 225.302 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 234.77 Mbit/s
95th percentile per-packet one-way delay: 275.620 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 201.89 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 124.89 Mbit/s
95th percentile per-packet one-way delay: 115.873 ms
Loss rate: 3.58%
```

Run 3: Report of PCC-Vivace — Data Link

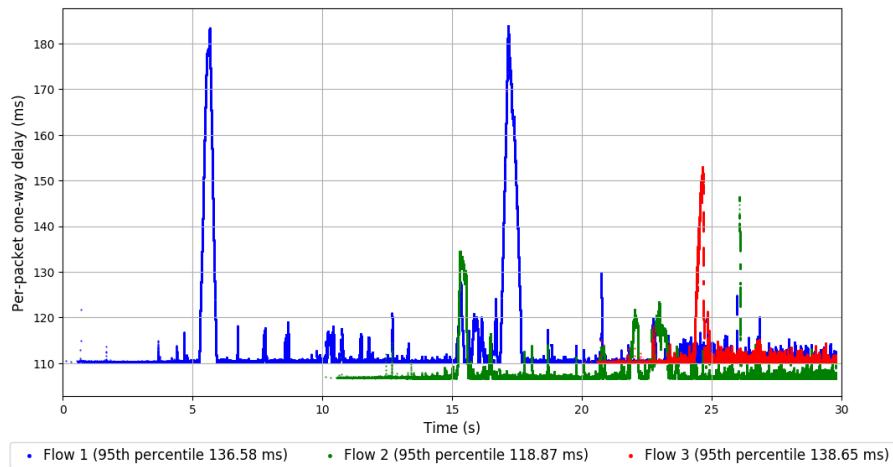
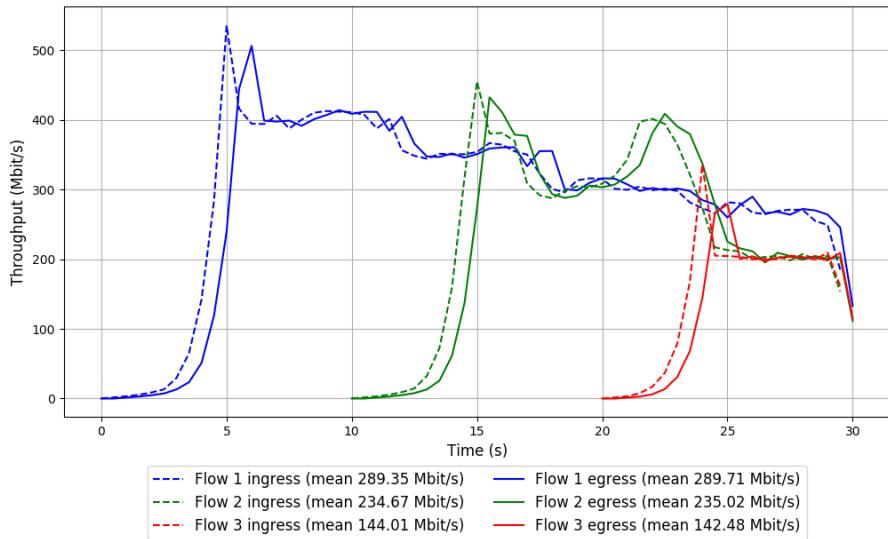


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-08-26 23:56:45
End at: 2019-08-26 23:57:15
Local clock offset: -0.012 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.76 Mbit/s
95th percentile per-packet one-way delay: 127.491 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 289.71 Mbit/s
95th percentile per-packet one-way delay: 136.583 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 235.02 Mbit/s
95th percentile per-packet one-way delay: 118.867 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 142.48 Mbit/s
95th percentile per-packet one-way delay: 138.652 ms
Loss rate: 3.29%
```

Run 4: Report of PCC-Vivace — Data Link

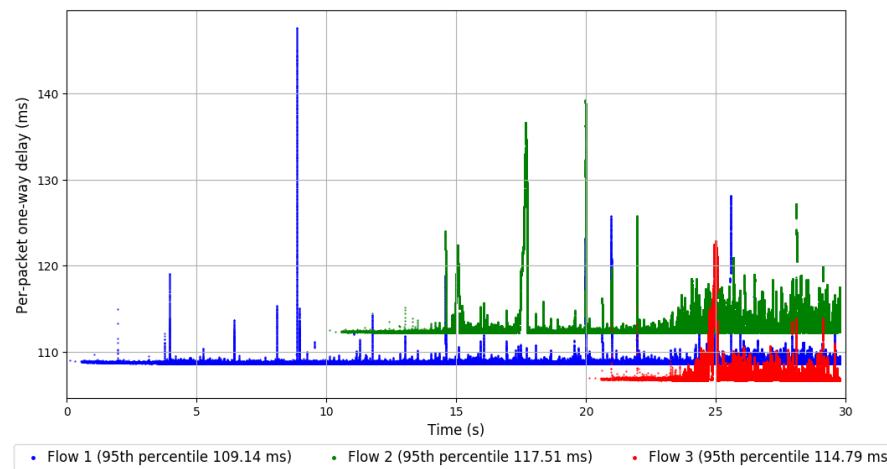
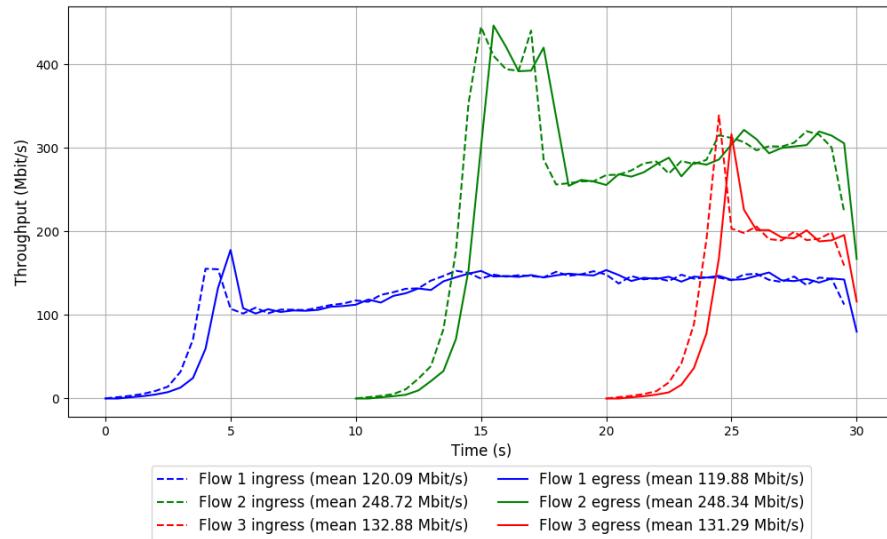


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-08-27 00:40:14
End at: 2019-08-27 00:40:44
Local clock offset: 0.031 ms
Remote clock offset: 0.21 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.17 Mbit/s
95th percentile per-packet one-way delay: 115.839 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 119.88 Mbit/s
95th percentile per-packet one-way delay: 109.137 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 248.34 Mbit/s
95th percentile per-packet one-way delay: 117.507 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 131.29 Mbit/s
95th percentile per-packet one-way delay: 114.787 ms
Loss rate: 3.35%
```

Run 5: Report of PCC-Vivace — Data Link

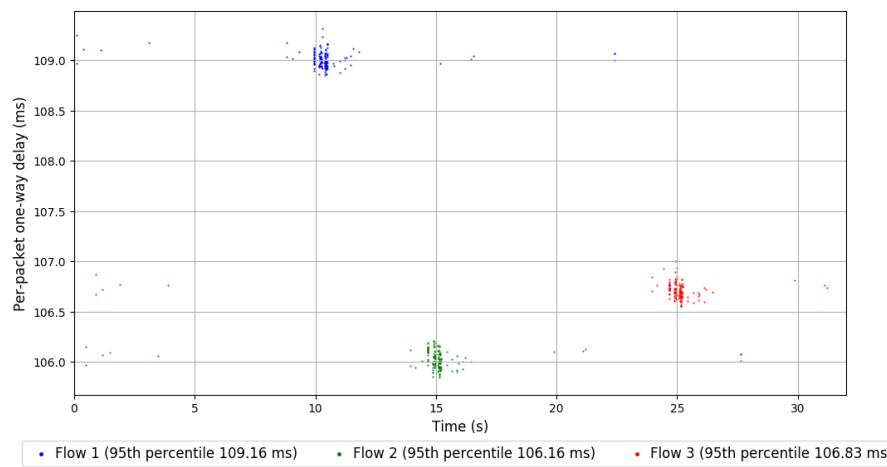
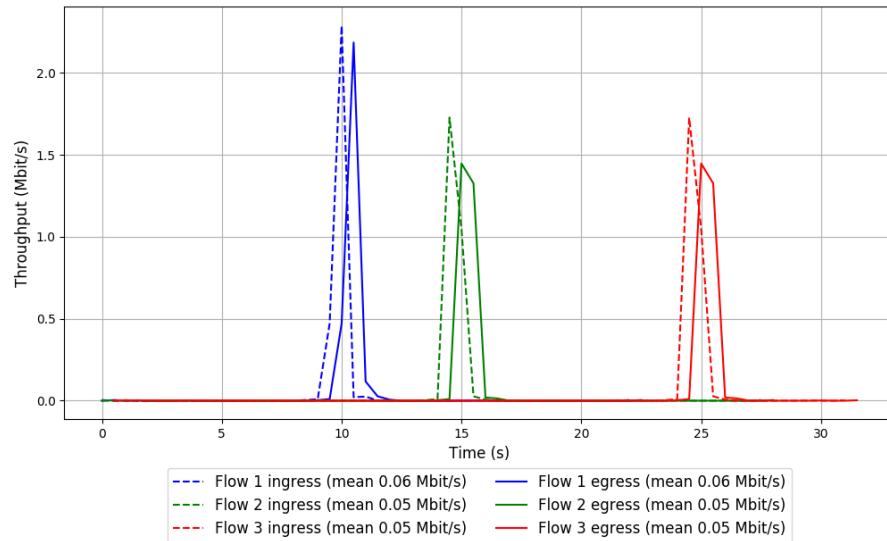


```
Run 1: Statistics of WebRTC media

Start at: 2019-08-26 21:29:13
End at: 2019-08-26 21:29:43
Local clock offset: -0.1 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 109.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.833 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

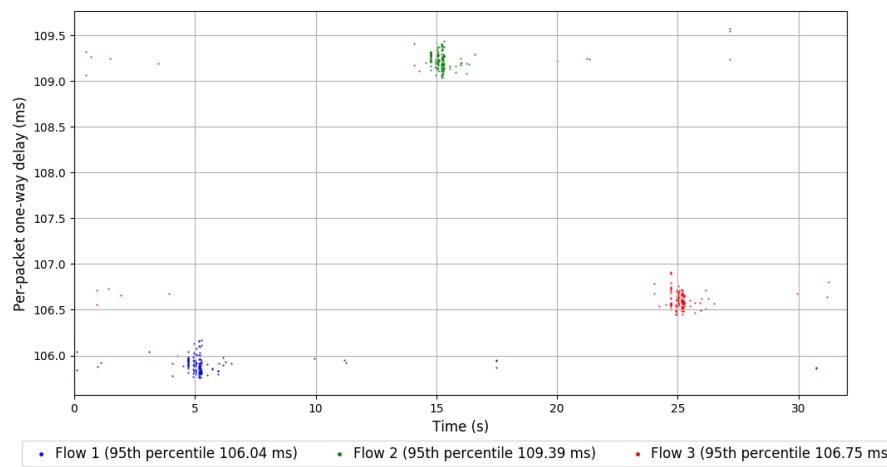
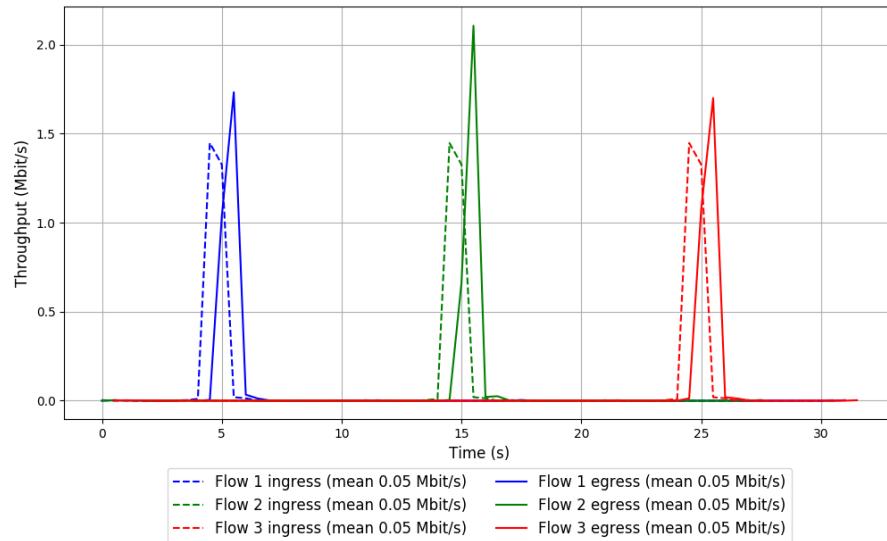


Run 2: Statistics of WebRTC media

```
Start at: 2019-08-26 22:12:49
End at: 2019-08-26 22:13:19
Local clock offset: 0.013 ms
Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.752 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

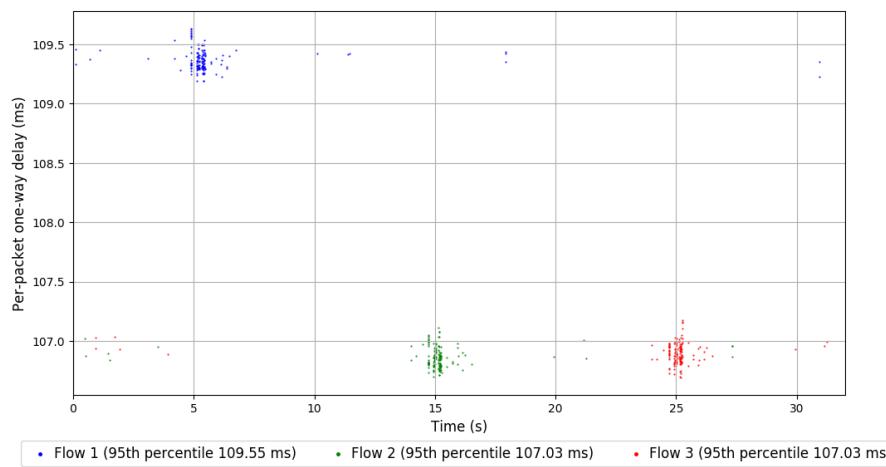
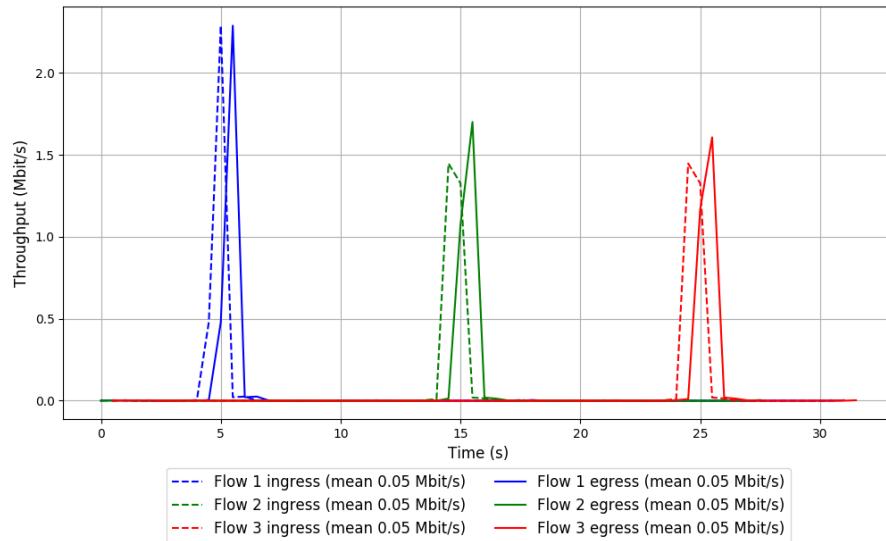


Run 3: Statistics of WebRTC media

```
Start at: 2019-08-26 22:56:29
End at: 2019-08-26 22:56:59
Local clock offset: -0.057 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.029 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

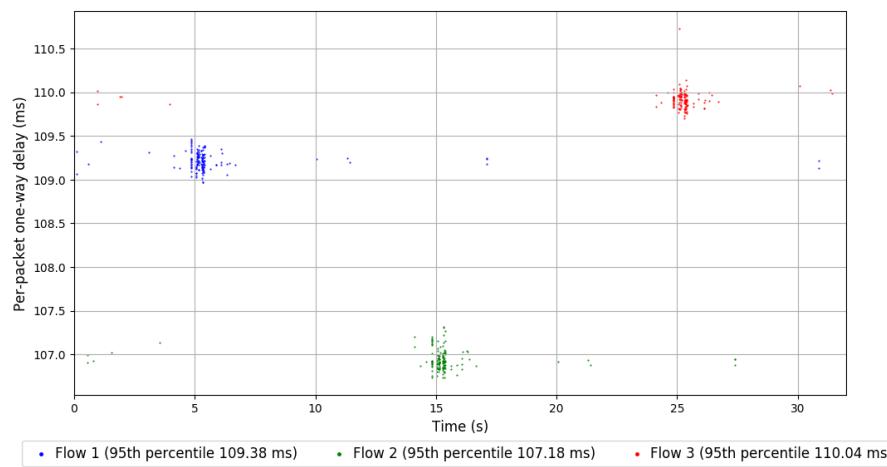
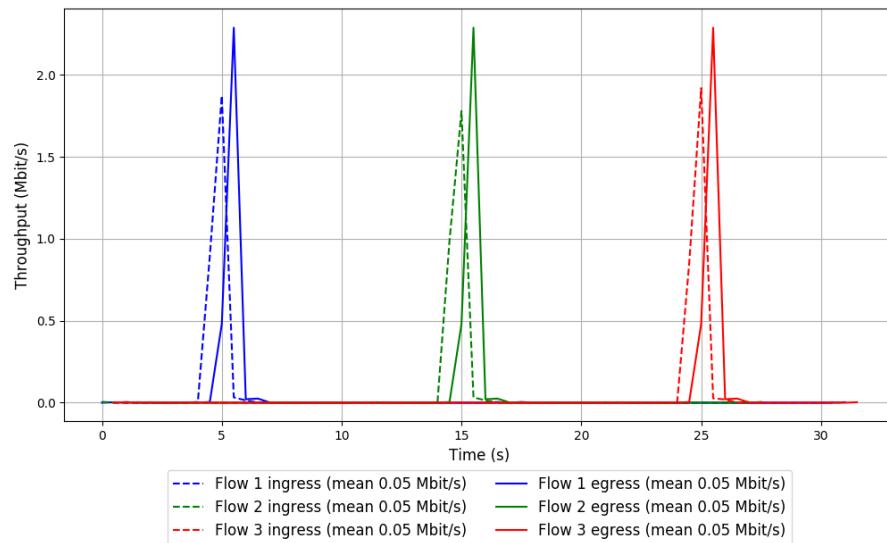


Run 4: Statistics of WebRTC media

```
Start at: 2019-08-26 23:40:04
End at: 2019-08-26 23:40:34
Local clock offset: -0.298 ms
Remote clock offset: -0.21 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 107.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.036 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-08-27 00:23:52
End at: 2019-08-27 00:24:22
Local clock offset: 0.181 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2019-08-27 03:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 112.387 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 112.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.228 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.179 ms
Loss rate: 0.05%
```

Run 5: Report of WebRTC media — Data Link

