

Pantheon Report

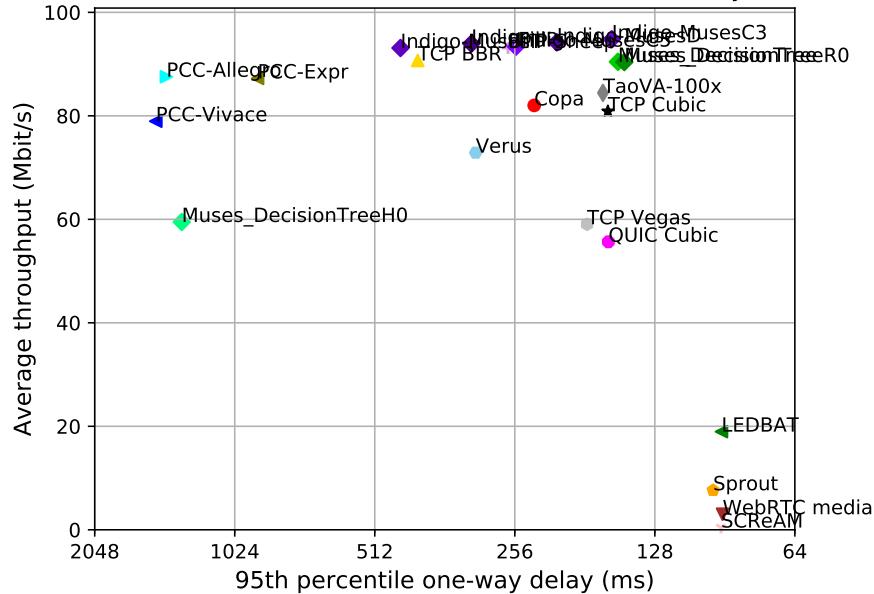
Generated at 2019-09-19 01:33:41 (UTC).
Data path: Colombia on p4p1 (*remote*) → AWS Brazil 2 on ens5 (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against gps.ntp.br and have been applied to correct the timestamps in logs.

System info:
Linux 4.15.0-1045-aws
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

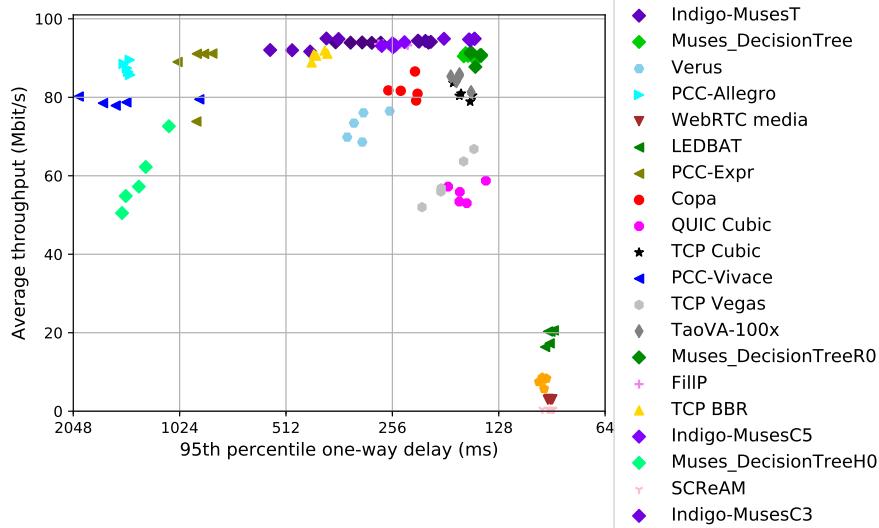
Git summary:
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 Colombia to AWS Brazil 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia to AWS Brazil 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



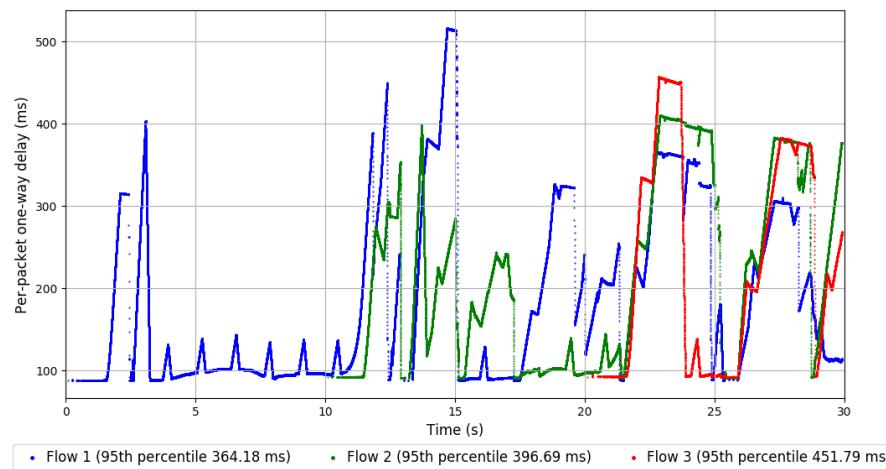
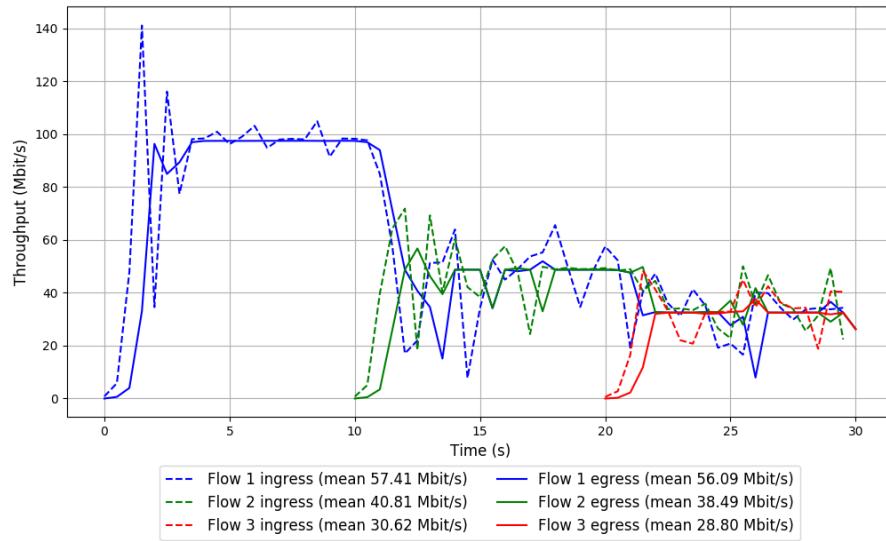
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	55.29	38.36	30.19	414.46	451.45	416.47	2.12	5.49	7.16
Copa	5	48.78	34.83	30.64	223.08	229.48	135.37	0.48	0.78	2.10
TCP Cubic	5	46.48	35.38	33.15	171.38	148.80	145.43	0.65	0.70	1.90
FillP	5	57.66	39.29	29.53	264.74	237.39	280.07	1.22	3.17	3.31
FillP-Sheep	5	57.26	38.99	30.21	257.35	258.46	267.92	0.95	1.98	3.08
Indigo	5	58.57	39.08	29.13	352.54	148.48	137.00	4.34	1.20	2.65
Indigo-MusesC3	5	60.79	40.28	29.67	140.89	184.24	195.60	2.03	2.39	3.01
Indigo-MusesC5	5	58.87	41.08	29.36	230.86	269.85	311.82	2.66	4.64	6.10
Indigo-MusesD	5	62.80	36.05	30.06	212.96	144.90	160.65	5.92	2.28	4.61
Indigo-MusesT	5	59.76	39.58	28.57	395.97	480.26	518.84	6.13	5.51	7.07
LEDBAT	5	11.91	8.67	4.04	91.41	92.43	91.99	1.08	1.64	3.42
Muses_DecisionTree	5	54.83	39.20	30.45	148.34	147.69	215.48	0.54	1.05	2.55
Muses_DecisionTreeH0	5	32.10	29.71	23.53	1290.79	1395.35	1161.64	31.19	20.24	29.76
Muses_DecisionTreeR0	5	55.09	39.05	29.59	141.12	158.56	201.76	0.52	1.05	2.77
PCC-Allegro	5	55.04	34.46	29.55	1497.68	1162.56	1435.41	25.88	14.91	20.72
PCC-Expr	5	53.16	38.34	26.41	868.92	796.33	242.64	32.09	9.14	3.61
QUIC Cubic	5	31.43	25.51	22.33	140.78	194.14	216.16	0.61	1.08	2.37
SCReAM	5	0.22	0.22	0.22	89.93	90.78	90.93	0.51	0.82	1.46
Sprout	5	4.07	3.79	3.23	95.77	95.46	95.85	0.54	1.02	2.12
TaoVA-100x	5	50.26	37.88	27.35	158.86	181.60	160.46	0.45	0.87	2.01
TCP Vegas	5	32.29	29.36	22.05	191.18	149.25	191.30	0.51	0.91	1.82
Verus	5	42.41	34.57	22.91	308.26	320.32	312.94	0.74	1.72	4.67
PCC-Vivace	5	50.71	30.99	23.54	1566.06	524.58	312.50	4.92	2.77	3.05
WebRTC media	5	1.71	0.95	0.36	89.66	89.58	91.07	0.32	0.66	1.89

Run 1: Statistics of TCP BBR

```
Start at: 2019-09-18 22:44:05
End at: 2019-09-18 22:44:35
Local clock offset: -14.735 ms
Remote clock offset: -55.526 ms

# Below is generated by plot.py at 2019-09-19 01:19:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 390.989 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 364.180 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 396.694 ms
Loss rate: 6.45%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 451.790 ms
Loss rate: 7.49%
```

Run 1: Report of TCP BBR — Data Link

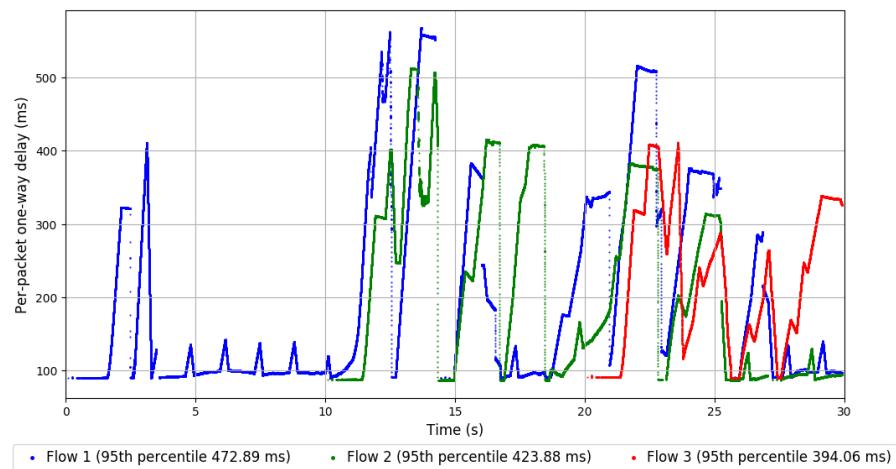
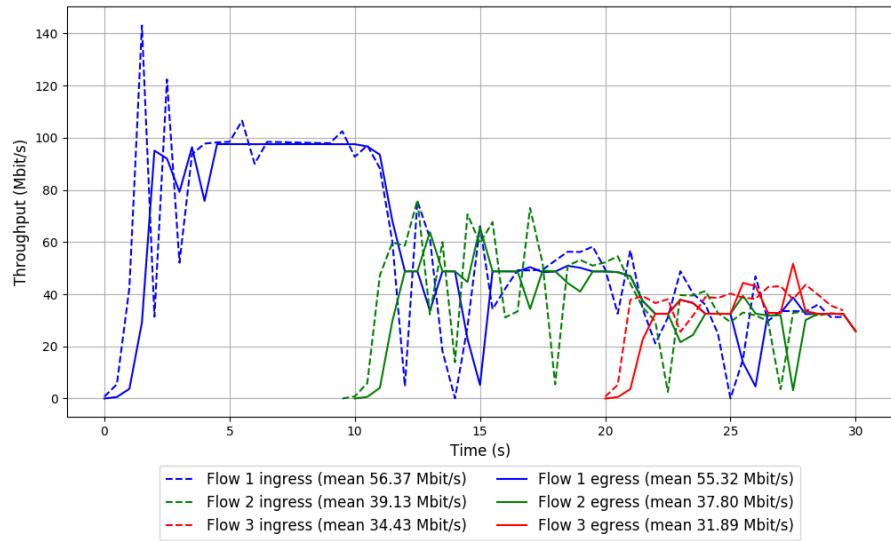


Run 2: Statistics of TCP BBR

```
Start at: 2019-09-18 23:14:49
End at: 2019-09-18 23:15:19
Local clock offset: -27.784 ms
Remote clock offset: -61.98 ms

# Below is generated by plot.py at 2019-09-19 01:19:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 427.141 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 472.891 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 423.878 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 394.059 ms
Loss rate: 8.91%
```

Run 2: Report of TCP BBR — Data Link

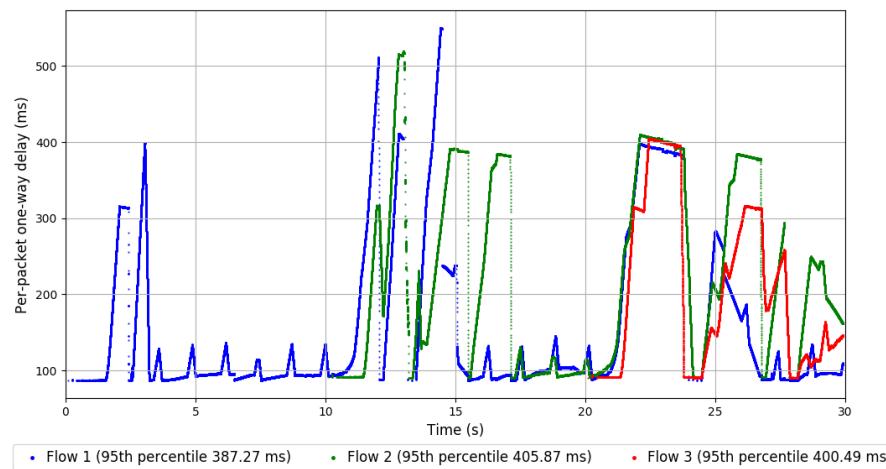
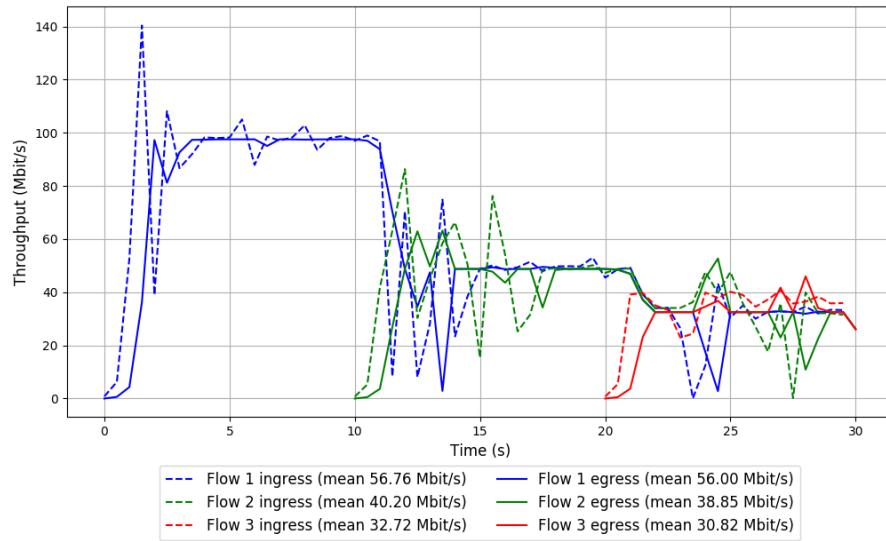


Run 3: Statistics of TCP BBR

```
Start at: 2019-09-18 23:45:34
End at: 2019-09-18 23:46:04
Local clock offset: -4.476 ms
Remote clock offset: -68.776 ms

# Below is generated by plot.py at 2019-09-19 01:19:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 397.705 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 387.271 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 405.867 ms
Loss rate: 4.15%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 400.493 ms
Loss rate: 7.36%
```

Run 3: Report of TCP BBR — Data Link

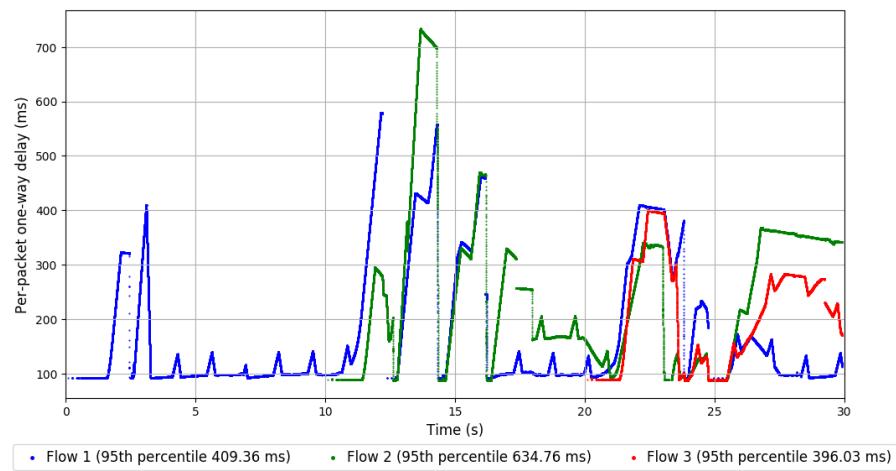
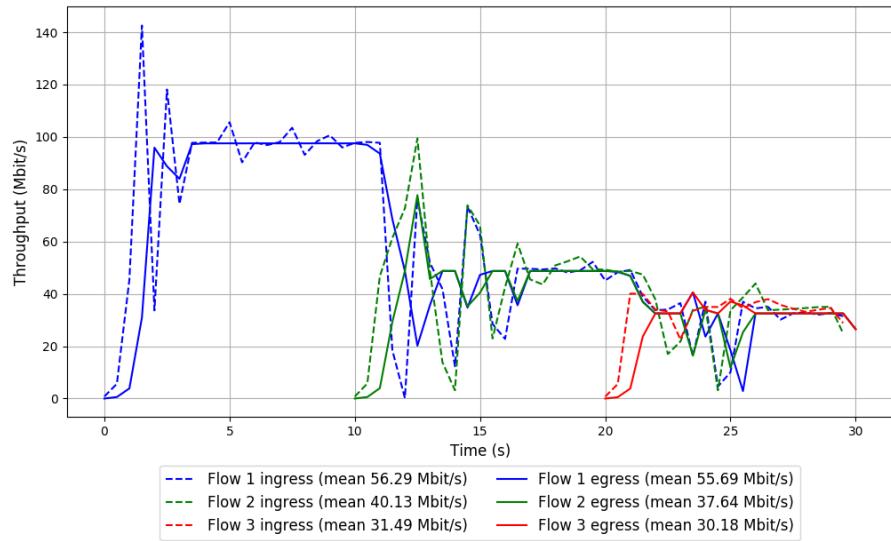


Run 4: Statistics of TCP BBR

```
Start at: 2019-09-19 00:16:19
End at: 2019-09-19 00:16:49
Local clock offset: -3.992 ms
Remote clock offset: -74.667 ms

# Below is generated by plot.py at 2019-09-19 01:19:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 420.593 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 409.357 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 634.763 ms
Loss rate: 6.99%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 396.026 ms
Loss rate: 5.74%
```

Run 4: Report of TCP BBR — Data Link

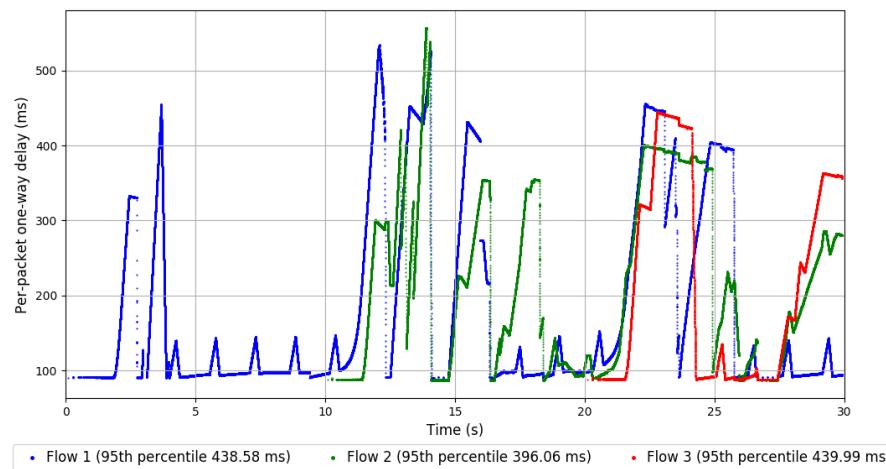
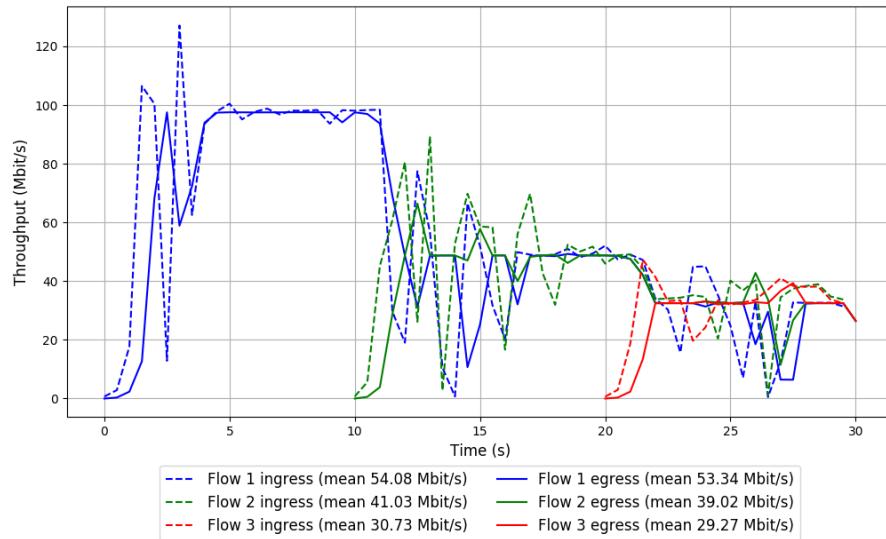


Run 5: Statistics of TCP BBR

```
Start at: 2019-09-19 00:47:06
End at: 2019-09-19 00:47:36
Local clock offset: -4.032 ms
Remote clock offset: -80.173 ms

# Below is generated by plot.py at 2019-09-19 01:19:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 433.298 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 438.578 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 396.063 ms
Loss rate: 5.68%
-- Flow 3:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 439.987 ms
Loss rate: 6.30%
```

Run 5: Report of TCP BBR — Data Link

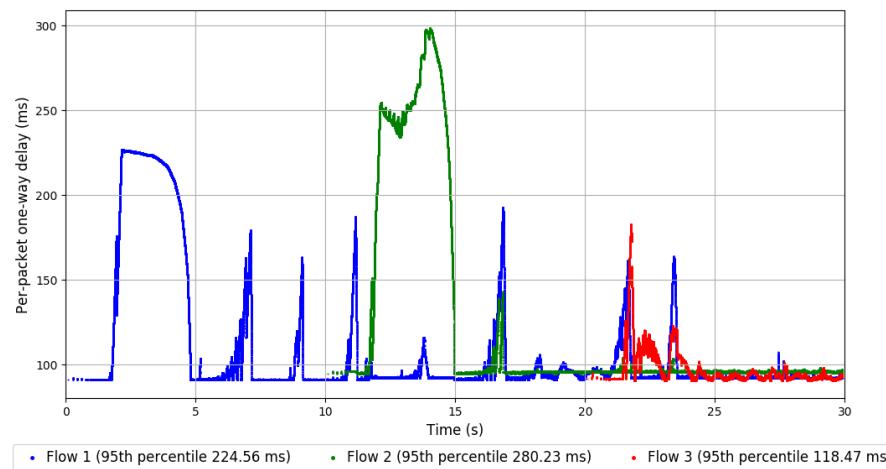
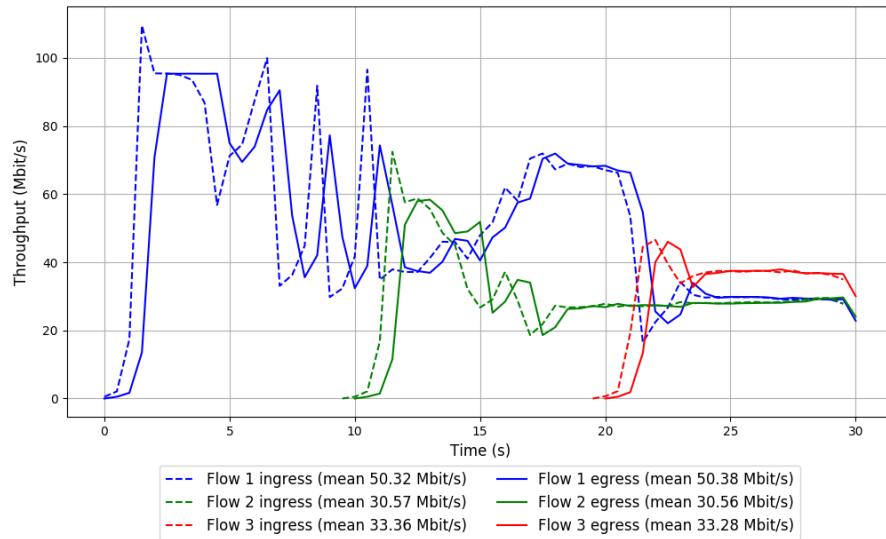


Run 1: Statistics of Copa

```
Start at: 2019-09-18 22:59:23
End at: 2019-09-18 22:59:53
Local clock offset: -22.257 ms
Remote clock offset: -62.519 ms

# Below is generated by plot.py at 2019-09-19 01:20:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 242.390 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 224.561 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 280.234 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 118.473 ms
Loss rate: 1.83%
```

Run 1: Report of Copa — Data Link

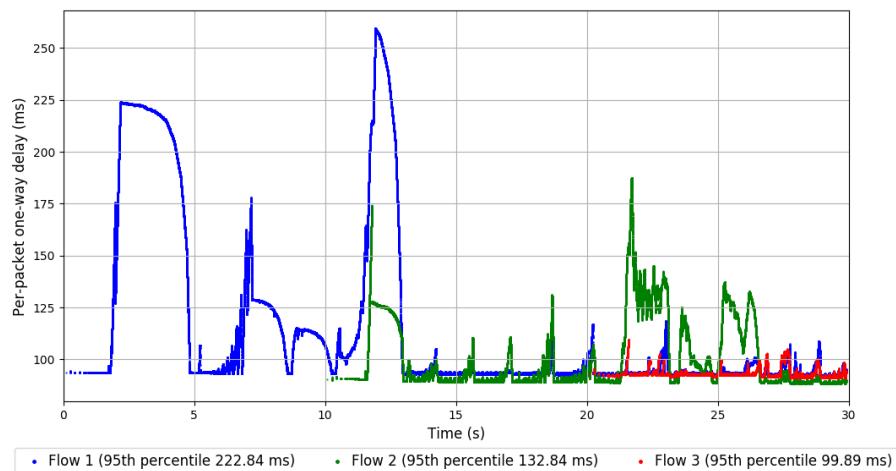
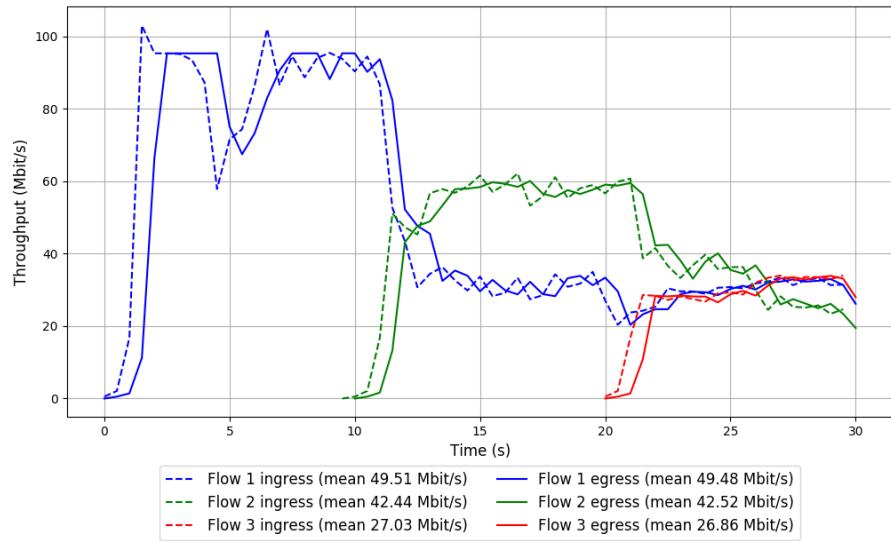


Run 2: Statistics of Copa

```
Start at: 2019-09-18 23:30:07
End at: 2019-09-18 23:30:37
Local clock offset: -31.218 ms
Remote clock offset: -67.155 ms

# Below is generated by plot.py at 2019-09-19 01:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 220.899 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 222.838 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 42.52 Mbit/s
95th percentile per-packet one-way delay: 132.836 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 99.887 ms
Loss rate: 2.27%
```

Run 2: Report of Copa — Data Link

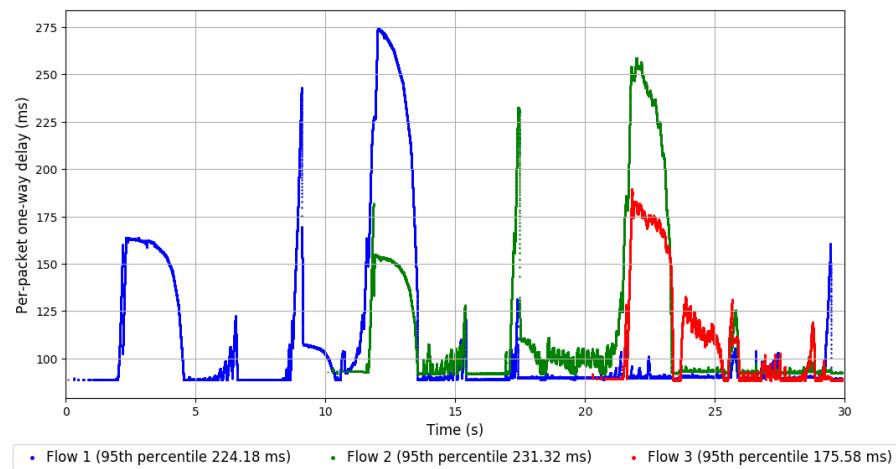
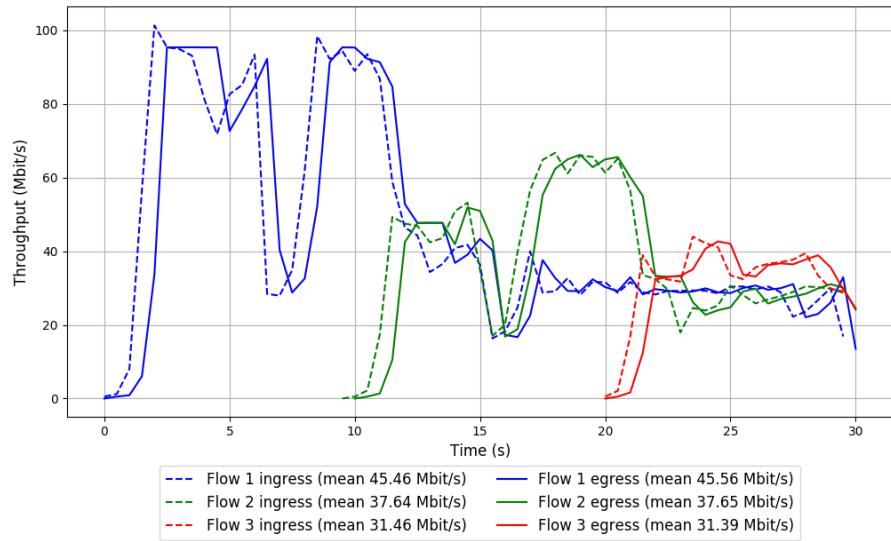


Run 3: Statistics of Copa

```
Start at: 2019-09-19 00:00:52
End at: 2019-09-19 00:01:22
Local clock offset: 3.472 ms
Remote clock offset: -72.436 ms

# Below is generated by plot.py at 2019-09-19 01:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.91 Mbit/s
95th percentile per-packet one-way delay: 217.284 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 224.177 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 231.323 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 175.576 ms
Loss rate: 1.82%
```

Run 3: Report of Copa — Data Link

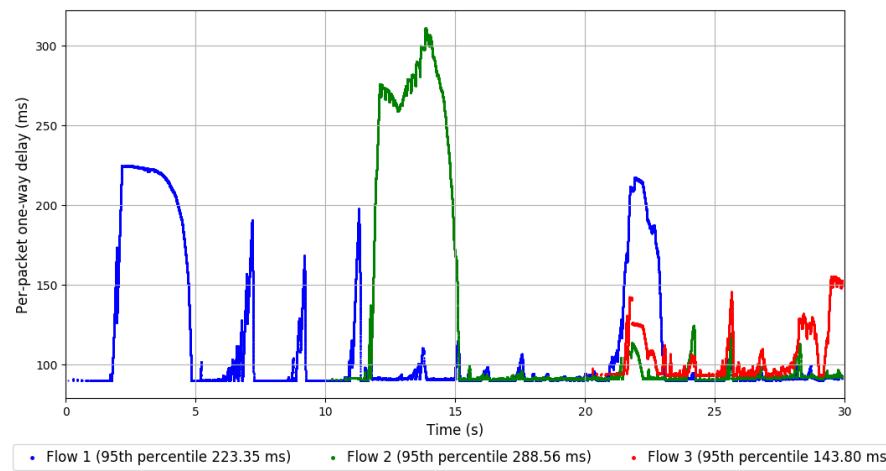
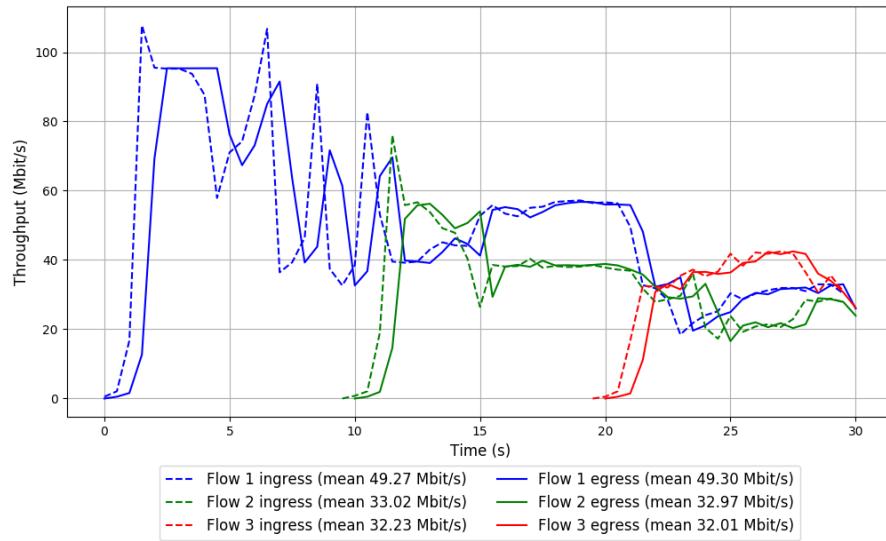


Run 4: Statistics of Copa

```
Start at: 2019-09-19 00:31:38
End at: 2019-09-19 00:32:08
Local clock offset: -4.198 ms
Remote clock offset: -79.931 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 262.848 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 223.354 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 288.564 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 143.798 ms
Loss rate: 2.32%
```

Run 4: Report of Copa — Data Link

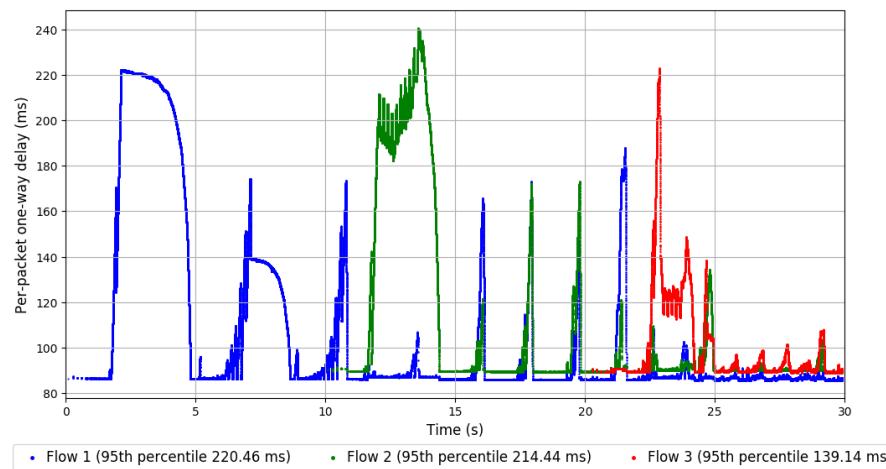
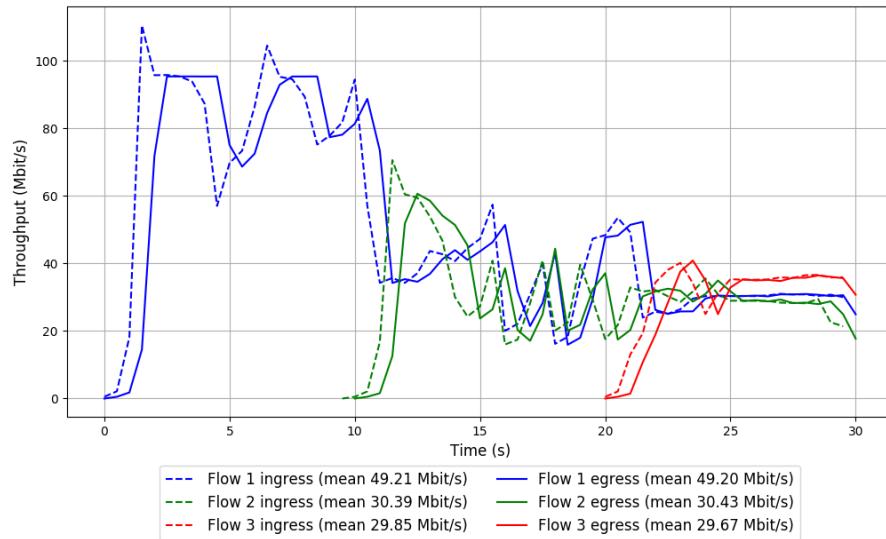


Run 5: Statistics of Copa

```
Start at: 2019-09-19 01:02:29
End at: 2019-09-19 01:02:59
Local clock offset: -0.36 ms
Remote clock offset: -84.733 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 219.290 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 220.458 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 214.438 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 139.139 ms
Loss rate: 2.25%
```

Run 5: Report of Copa — Data Link

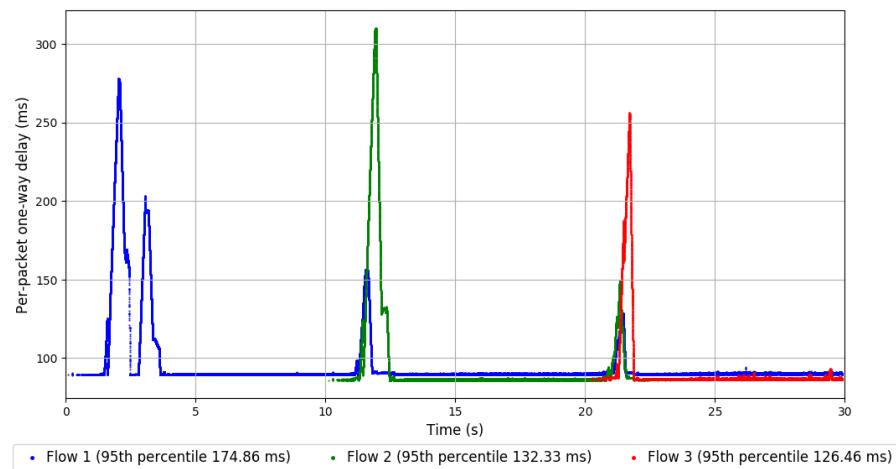
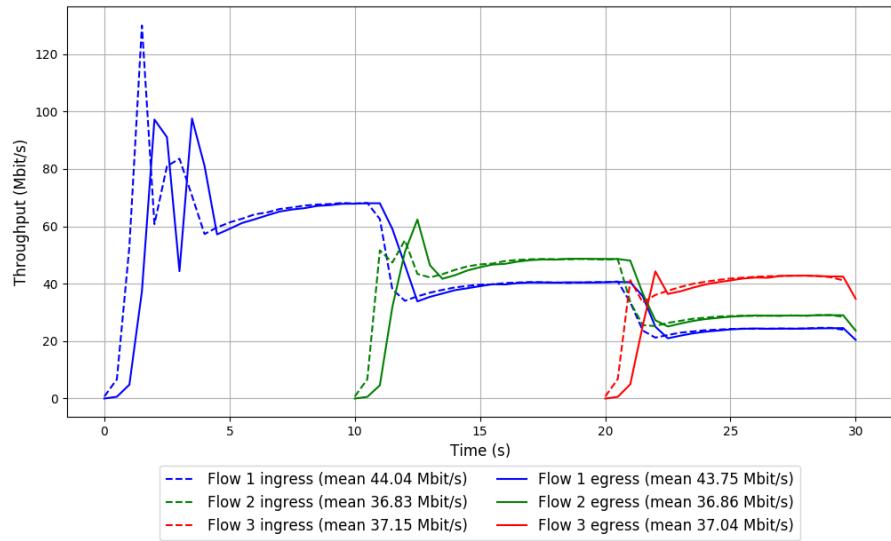


Run 1: Statistics of TCP Cubic

```
Start at: 2019-09-18 22:45:24
End at: 2019-09-18 22:45:54
Local clock offset: -16.445 ms
Remote clock offset: -55.35 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 165.467 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 174.863 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 132.329 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 126.462 ms
Loss rate: 1.90%
```

Run 1: Report of TCP Cubic — Data Link

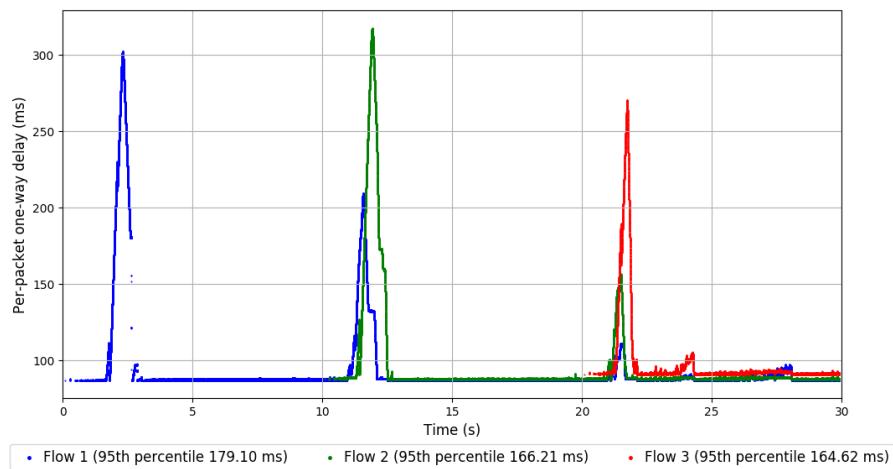
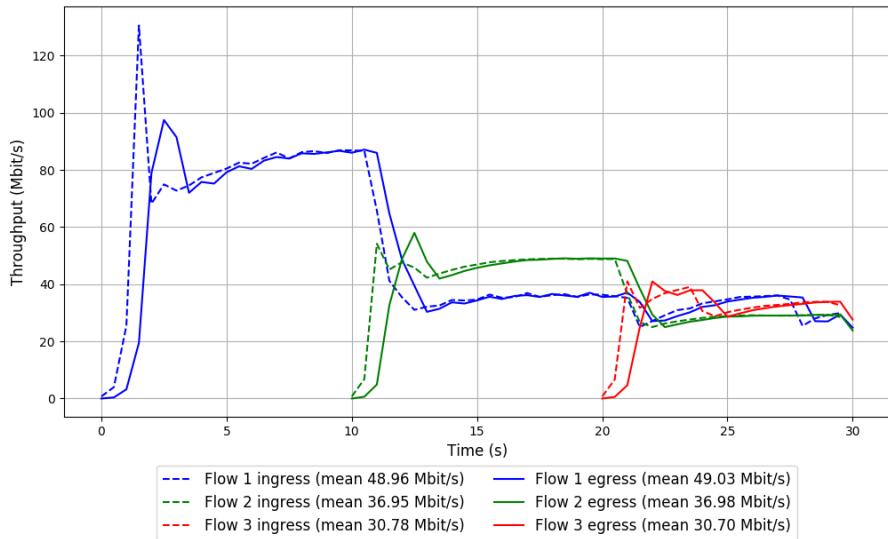


Run 2: Statistics of TCP Cubic

```
Start at: 2019-09-18 23:16:07
End at: 2019-09-18 23:16:37
Local clock offset: -27.361 ms
Remote clock offset: -61.66 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 172.280 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 179.099 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 166.213 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 164.619 ms
Loss rate: 1.88%
```

Run 2: Report of TCP Cubic — Data Link

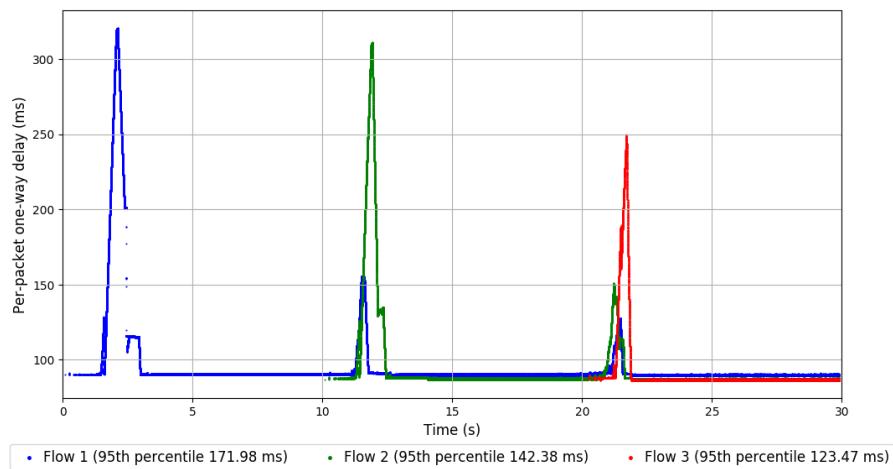
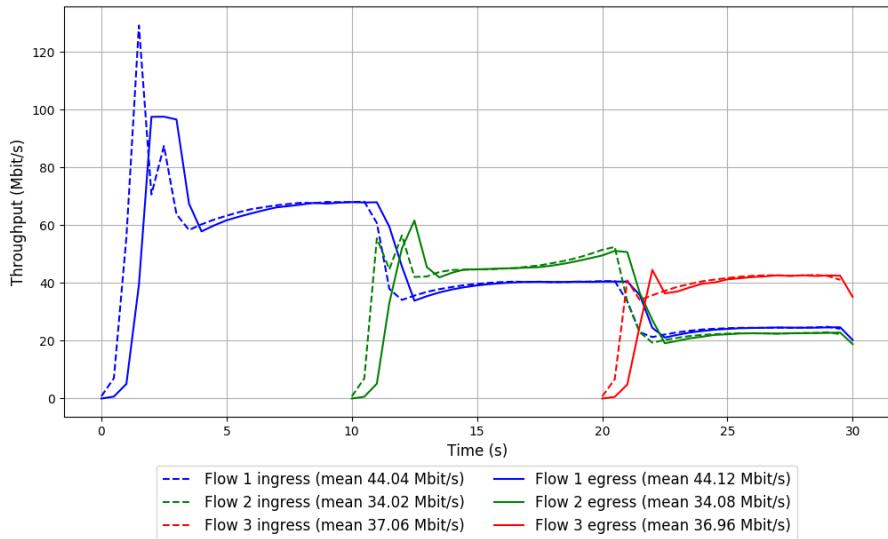


Run 3: Statistics of TCP Cubic

```
Start at: 2019-09-18 23:46:53
End at: 2019-09-18 23:47:23
Local clock offset: -2.589 ms
Remote clock offset: -68.048 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 154.215 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 171.980 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 142.380 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 123.472 ms
Loss rate: 1.88%
```

Run 3: Report of TCP Cubic — Data Link

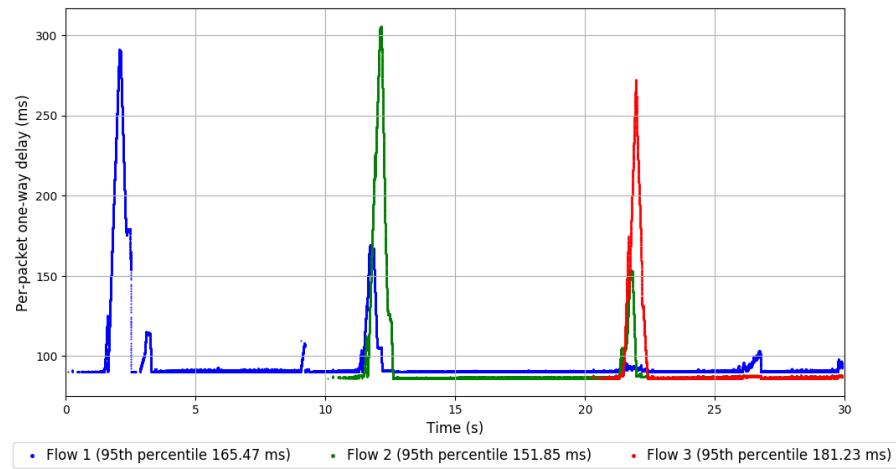
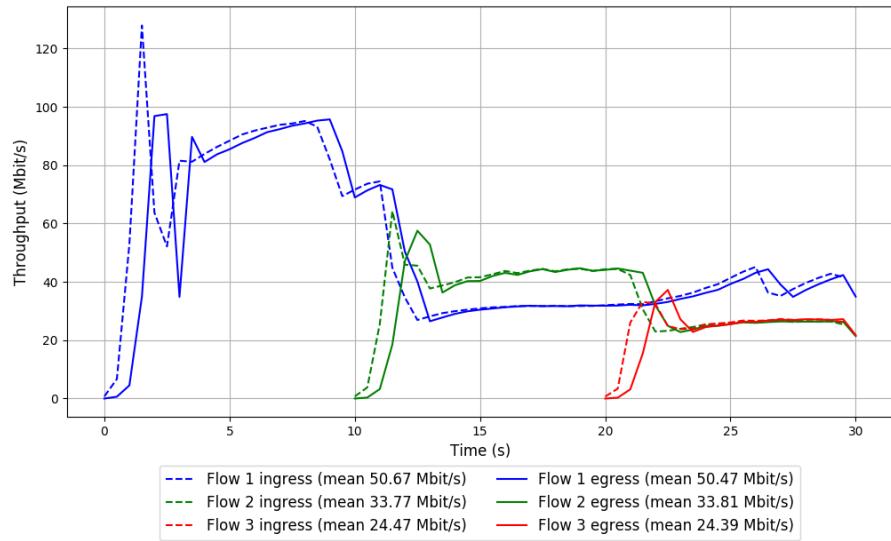


Run 4: Statistics of TCP Cubic

```
Start at: 2019-09-19 00:17:37
End at: 2019-09-19 00:18:07
Local clock offset: -4.883 ms
Remote clock offset: -74.208 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 163.595 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 165.468 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 151.849 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 181.231 ms
Loss rate: 1.94%
```

Run 4: Report of TCP Cubic — Data Link

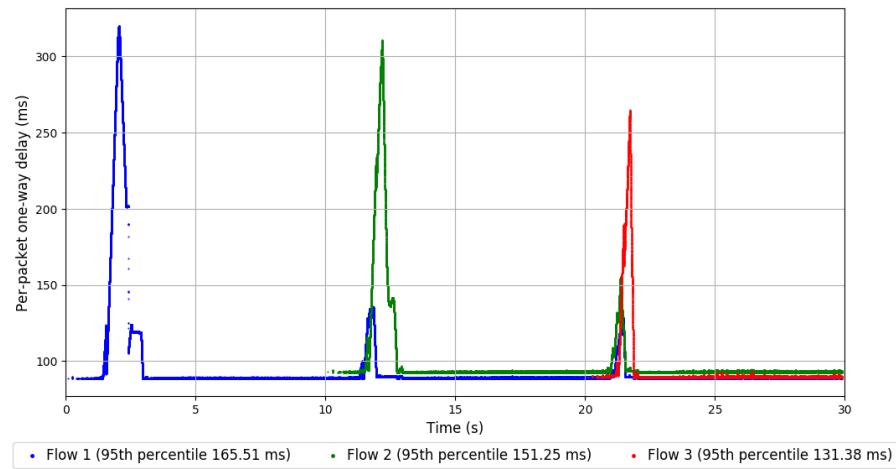
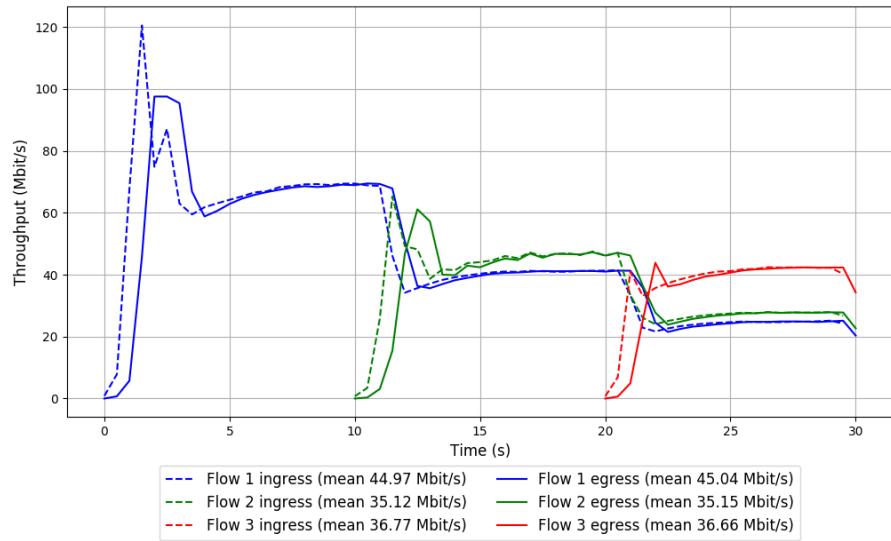


Run 5: Statistics of TCP Cubic

```
Start at: 2019-09-19 00:48:24
End at: 2019-09-19 00:48:54
Local clock offset: -4.714 ms
Remote clock offset: -83.063 ms

# Below is generated by plot.py at 2019-09-19 01:21:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 151.928 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 45.04 Mbit/s
95th percentile per-packet one-way delay: 165.513 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 151.246 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 131.376 ms
Loss rate: 1.91%
```

Run 5: Report of TCP Cubic — Data Link

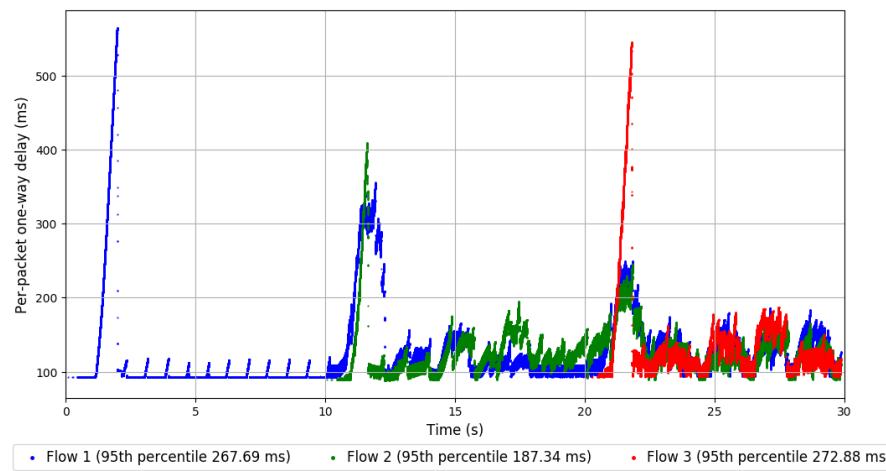
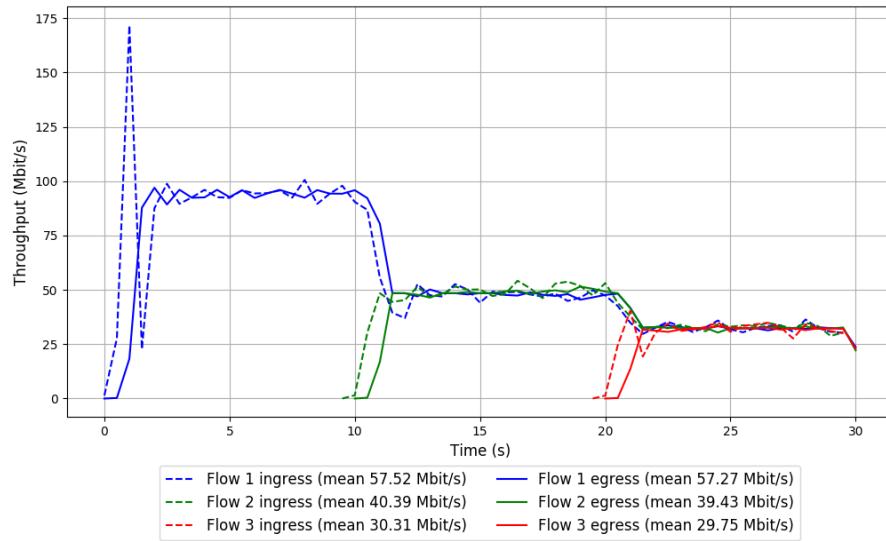


```
Run 1: Statistics of FillP

Start at: 2019-09-18 23:10:53
End at: 2019-09-18 23:11:23
Local clock offset: -25.855 ms
Remote clock offset: -62.425 ms

# Below is generated by plot.py at 2019-09-19 01:21:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 231.460 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 267.686 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 187.343 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 272.885 ms
Loss rate: 3.37%
```

Run 1: Report of FillP — Data Link

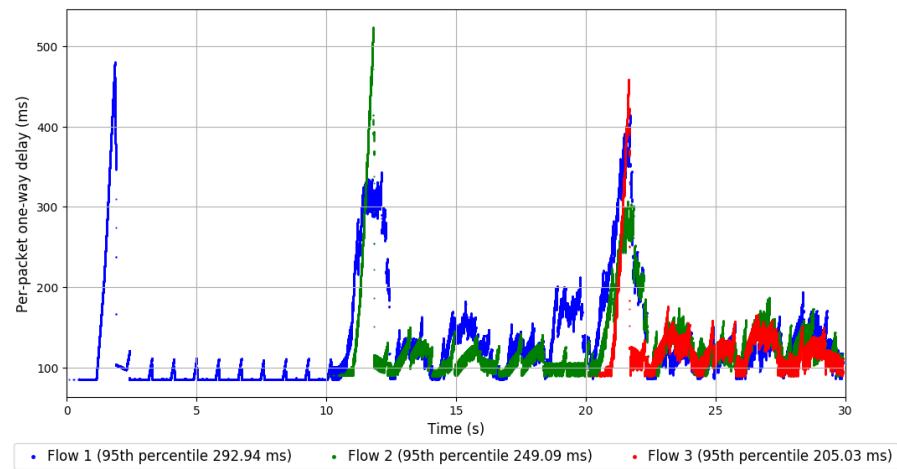
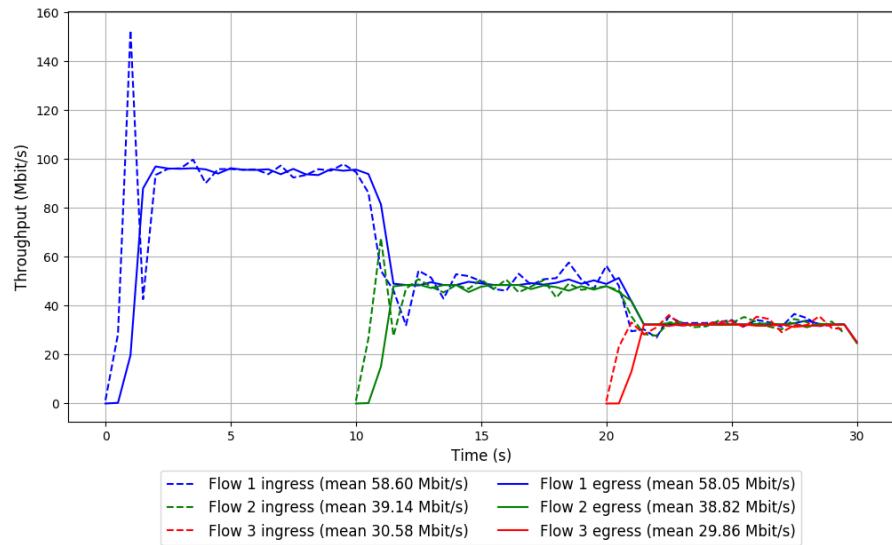


Run 2: Statistics of FillP

```
Start at: 2019-09-18 23:41:39
End at: 2019-09-18 23:42:09
Local clock offset: -7.797 ms
Remote clock offset: -66.663 ms

# Below is generated by plot.py at 2019-09-19 01:21:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 271.960 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 292.937 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 249.086 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 205.031 ms
Loss rate: 3.90%
```

Run 2: Report of FillP — Data Link

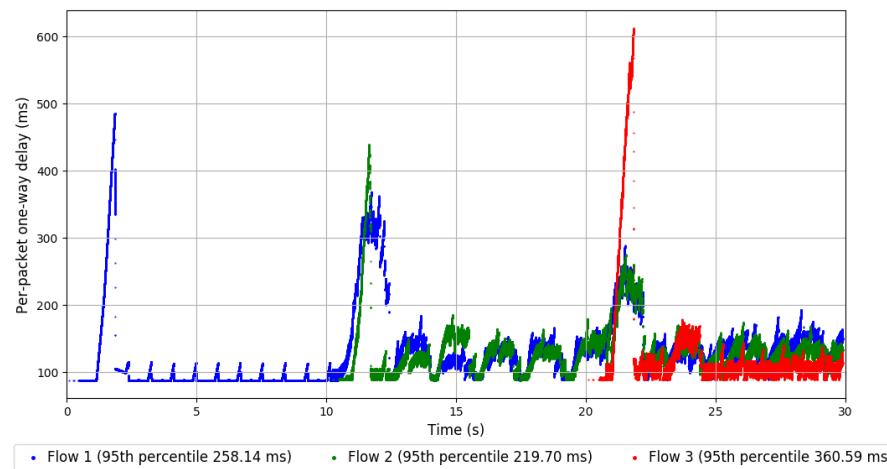
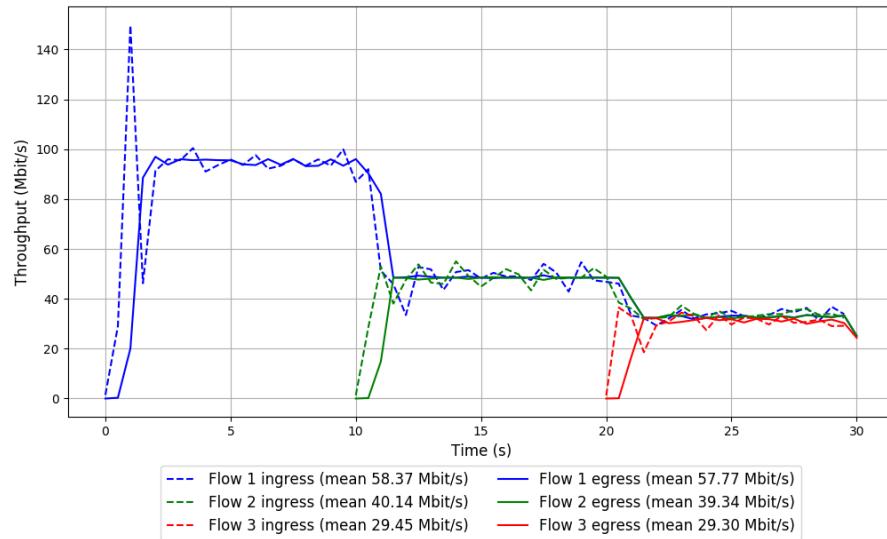


Run 3: Statistics of FillP

```
Start at: 2019-09-19 00:12:23
End at: 2019-09-19 00:12:53
Local clock offset: -3.329 ms
Remote clock offset: -74.543 ms

# Below is generated by plot.py at 2019-09-19 01:21:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 242.832 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 258.136 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 219.698 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 360.594 ms
Loss rate: 2.14%
```

Run 3: Report of FillP — Data Link

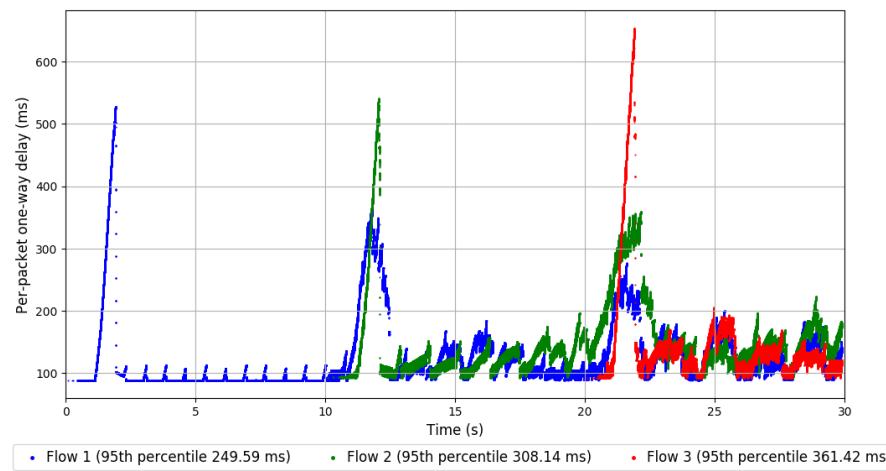
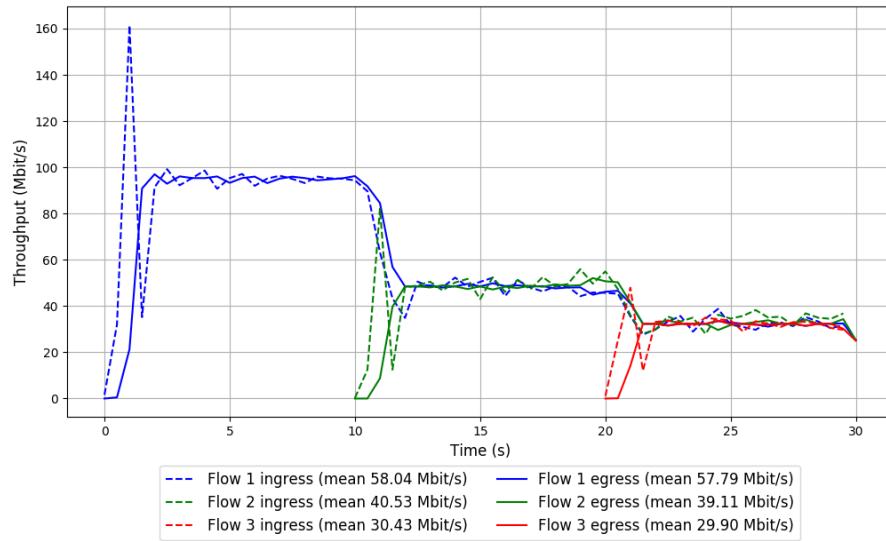


Run 4: Statistics of FillP

```
Start at: 2019-09-19 00:43:10
End at: 2019-09-19 00:43:40
Local clock offset: -4.213 ms
Remote clock offset: -81.182 ms

# Below is generated by plot.py at 2019-09-19 01:21:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 280.098 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 249.586 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 308.139 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 361.424 ms
Loss rate: 3.23%
```

Run 4: Report of FillP — Data Link

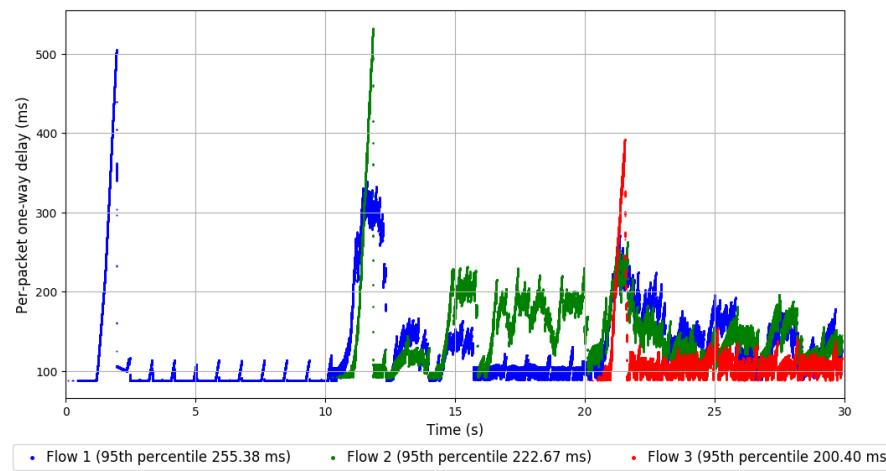
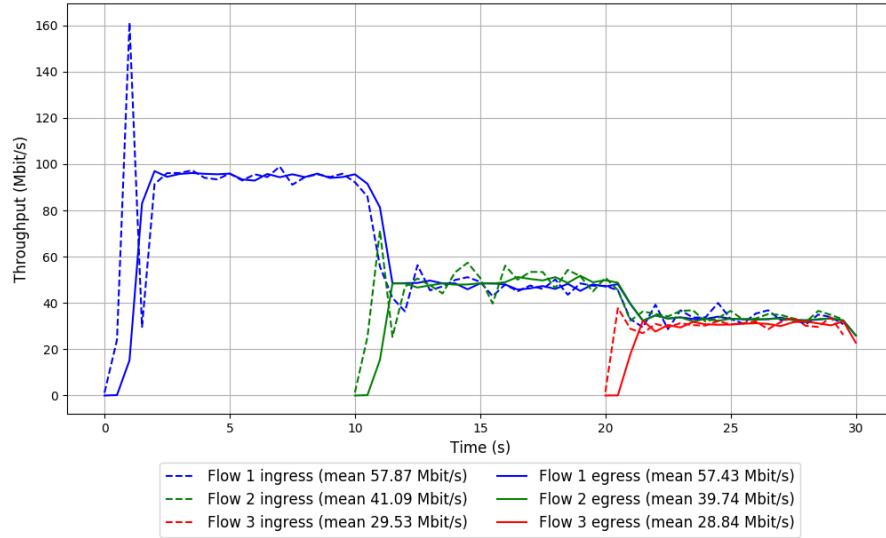


Run 5: Statistics of FillP

```
Start at: 2019-09-19 01:14:00
End at: 2019-09-19 01:14:30
Local clock offset: 14.208 ms
Remote clock offset: -87.465 ms

# Below is generated by plot.py at 2019-09-19 01:22:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 232.377 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 255.378 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 222.674 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 200.402 ms
Loss rate: 3.89%
```

Run 5: Report of FillP — Data Link

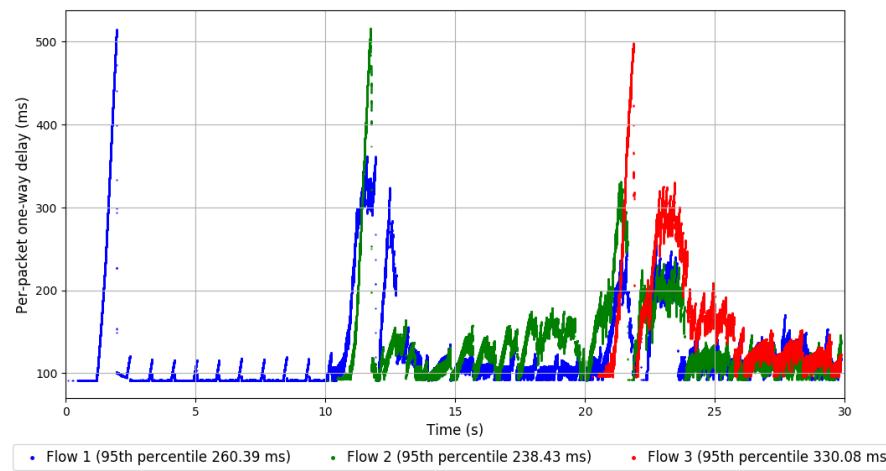
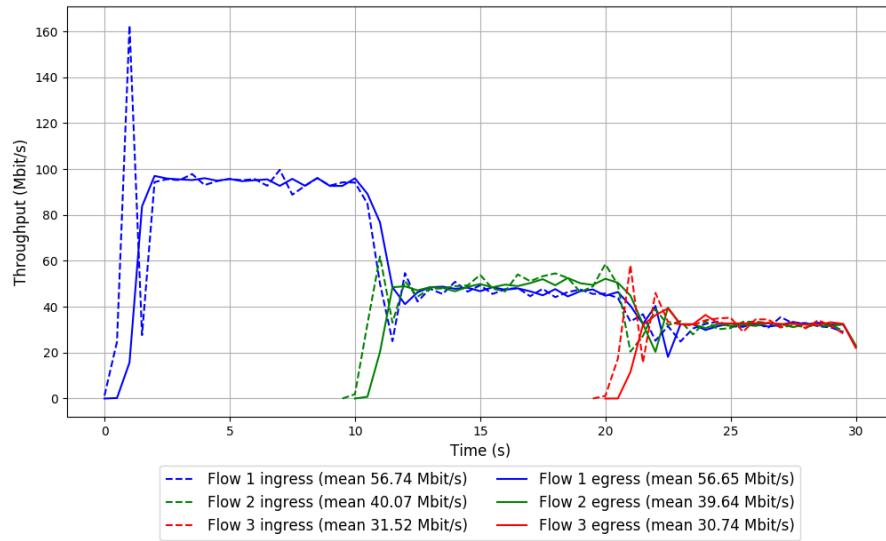


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-09-18 22:54:16
End at: 2019-09-18 22:54:46
Local clock offset: -21.062 ms
Remote clock offset: -62.906 ms

# Below is generated by plot.py at 2019-09-19 01:22:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 280.604 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 260.393 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 238.428 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 330.082 ms
Loss rate: 4.10%
```

Run 1: Report of FillP-Sheep — Data Link

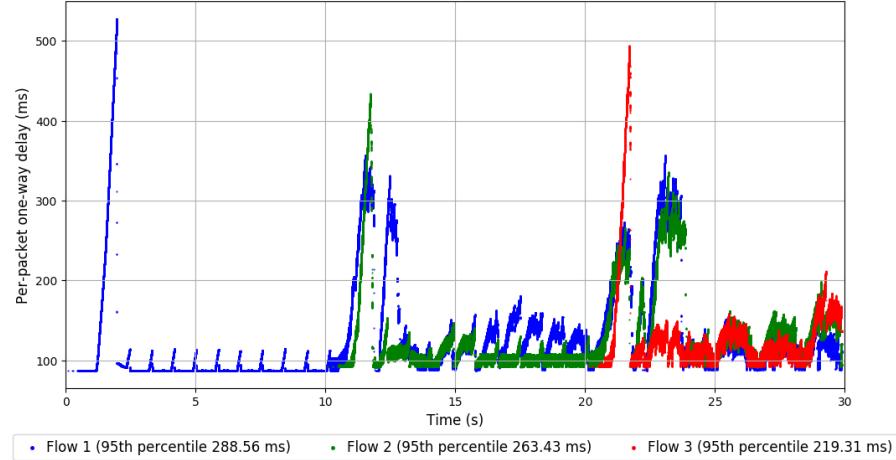
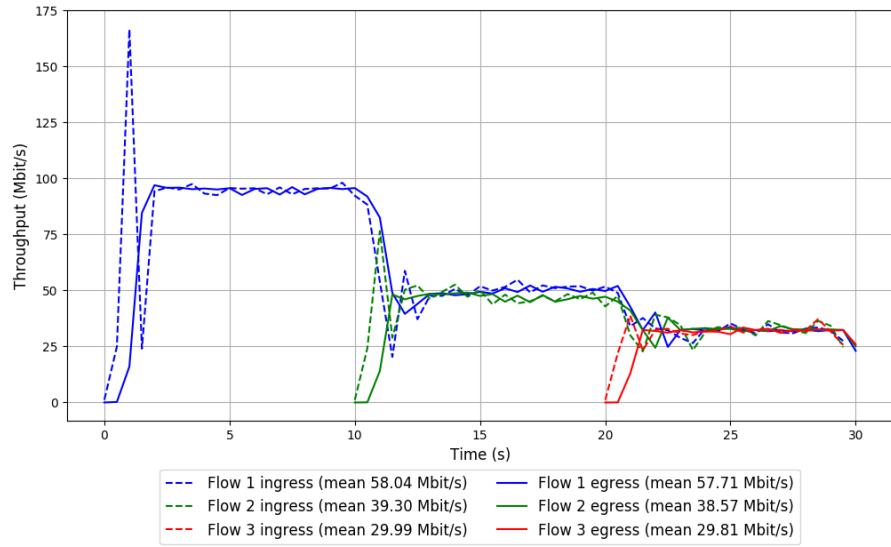


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-09-18 23:25:00
End at: 2019-09-18 23:25:30
Local clock offset: -29.773 ms
Remote clock offset: -63.888 ms

# Below is generated by plot.py at 2019-09-19 01:22:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 276.164 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 288.564 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 263.434 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 219.306 ms
Loss rate: 2.23%
```

Run 2: Report of FillP-Sheep — Data Link

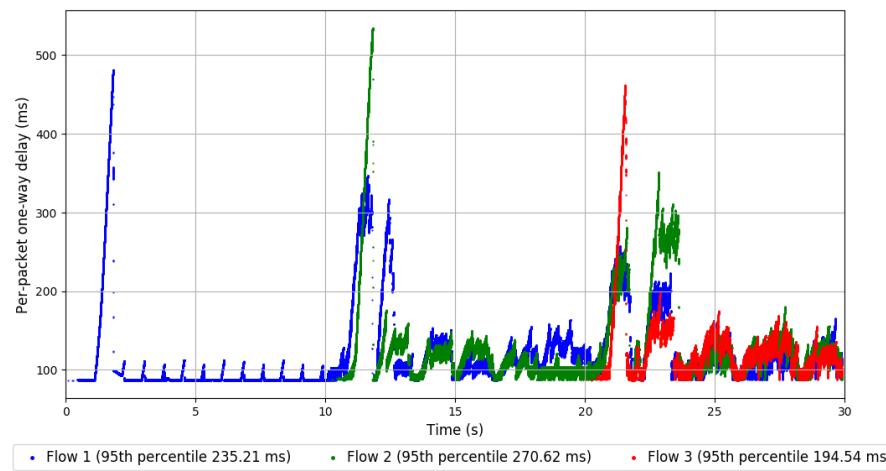
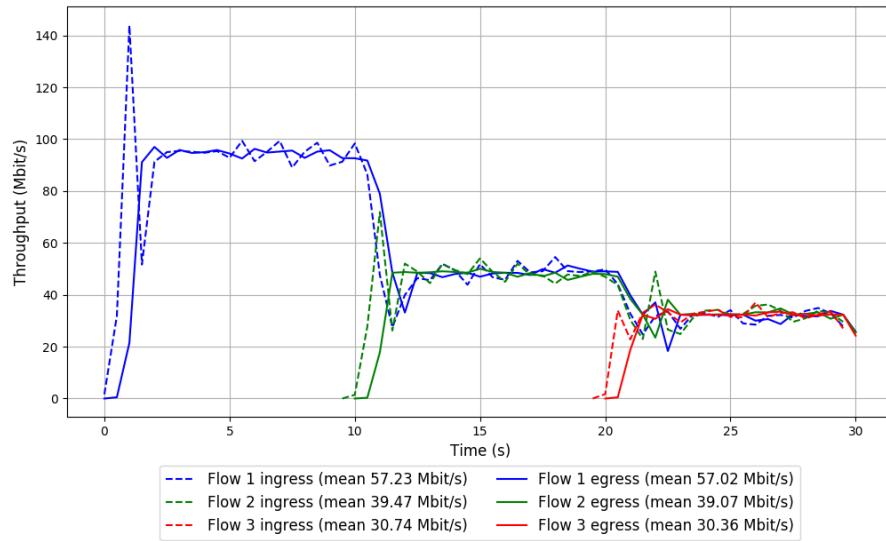


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-09-18 23:55:44
End at: 2019-09-18 23:56:15
Local clock offset: 2.37 ms
Remote clock offset: -70.418 ms

# Below is generated by plot.py at 2019-09-19 01:22:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 252.408 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 235.210 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 270.618 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 194.539 ms
Loss rate: 2.79%
```

Run 3: Report of FillP-Sheep — Data Link

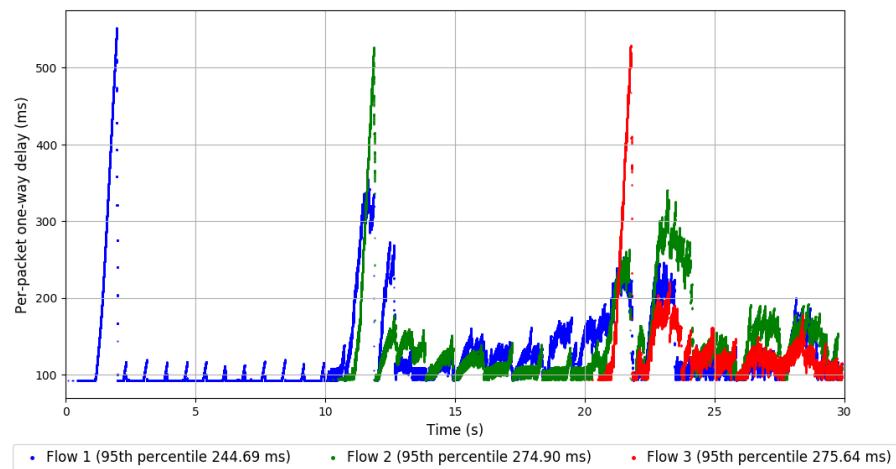
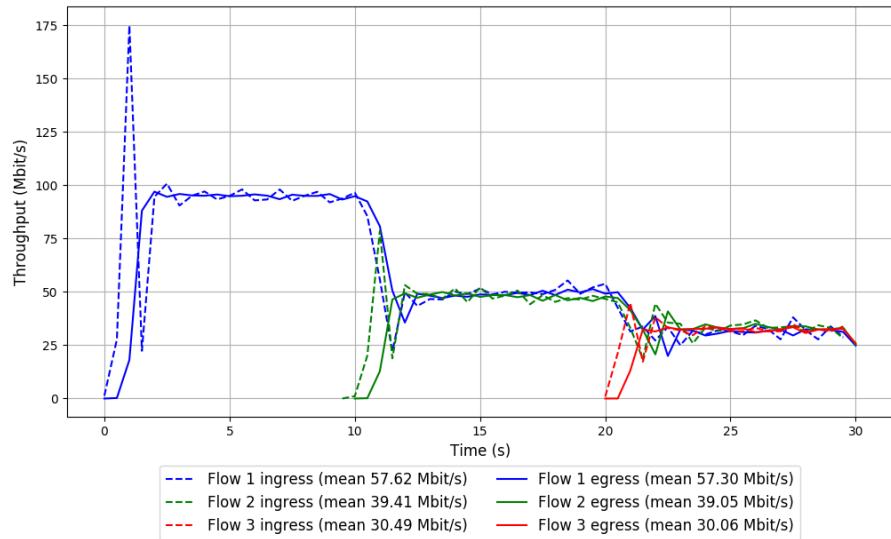


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-09-19 00:26:30
End at: 2019-09-19 00:27:00
Local clock offset: -4.319 ms
Remote clock offset: -78.043 ms

# Below is generated by plot.py at 2019-09-19 01:22:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 262.902 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 244.691 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 274.904 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 275.643 ms
Loss rate: 3.02%
```

Run 4: Report of FillP-Sheep — Data Link

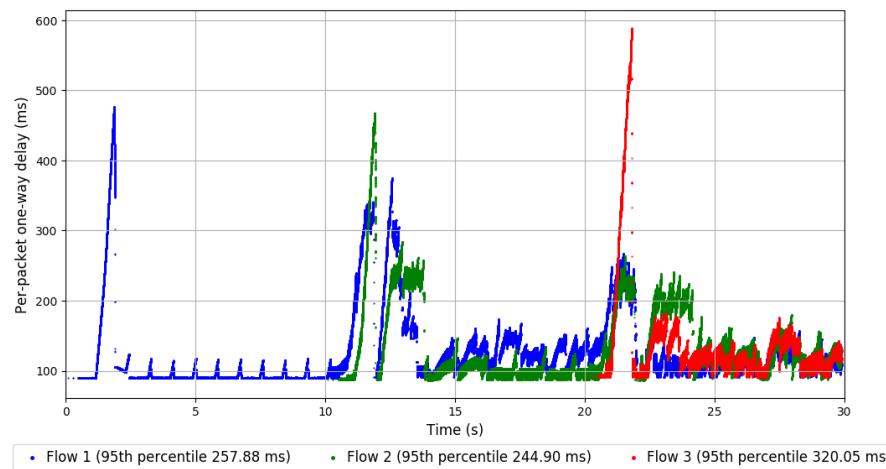
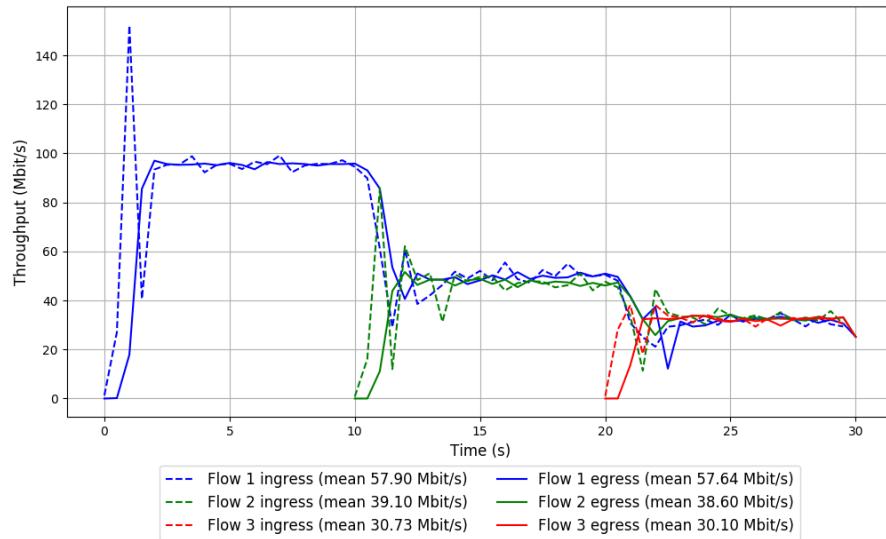


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-09-19 00:57:21
End at: 2019-09-19 00:57:51
Local clock offset: -4.219 ms
Remote clock offset: -83.031 ms

# Below is generated by plot.py at 2019-09-19 01:23:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 251.155 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 257.875 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 244.897 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 320.052 ms
Loss rate: 3.24%
```

Run 5: Report of FillP-Sheep — Data Link

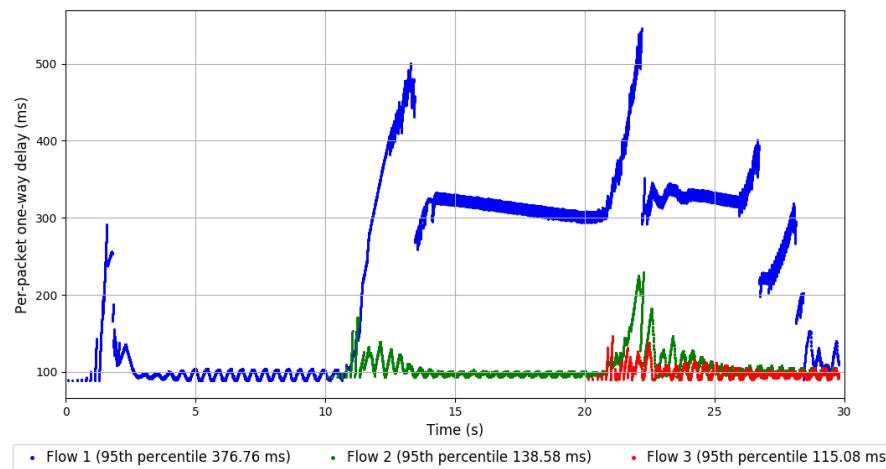
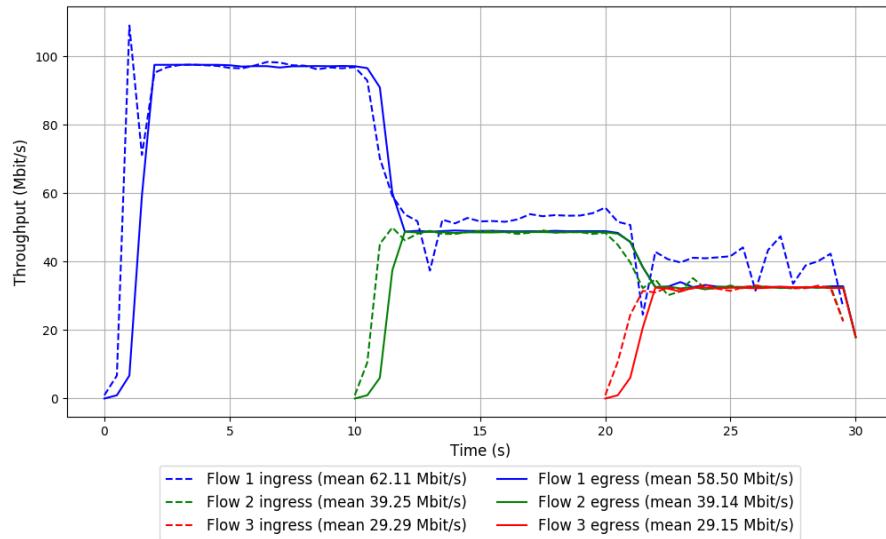


Run 1: Statistics of Indigo

```
Start at: 2019-09-18 23:03:17
End at: 2019-09-18 23:03:47
Local clock offset: -24.322 ms
Remote clock offset: -61.688 ms

# Below is generated by plot.py at 2019-09-19 01:23:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 336.123 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 376.761 ms
Loss rate: 6.30%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 138.580 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 115.080 ms
Loss rate: 2.11%
```

Run 1: Report of Indigo — Data Link

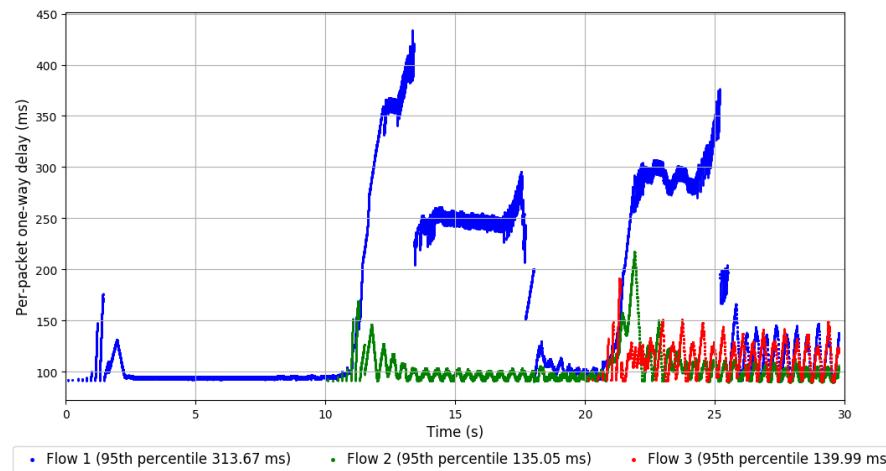
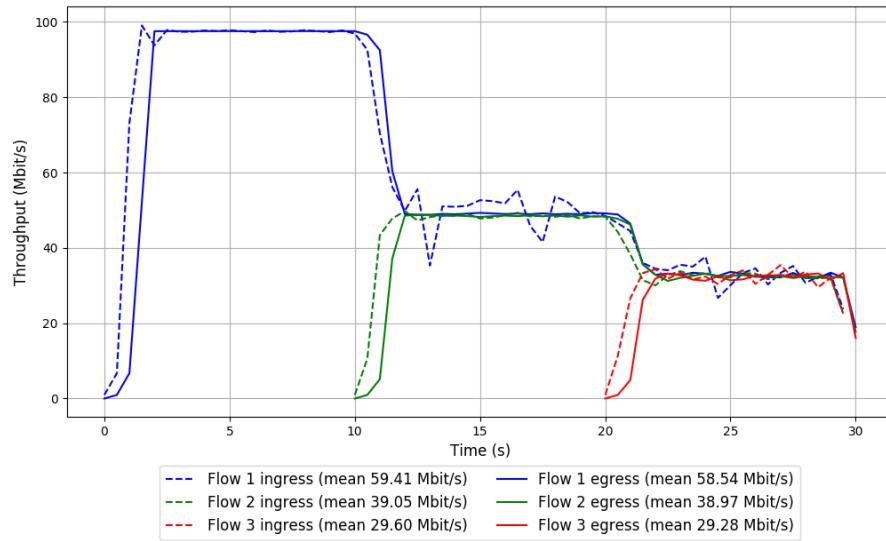


Run 2: Statistics of Indigo

```
Start at: 2019-09-18 23:34:02
End at: 2019-09-18 23:34:32
Local clock offset: -21.207 ms
Remote clock offset: -67.377 ms

# Below is generated by plot.py at 2019-09-19 01:23:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 292.811 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 313.673 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 135.049 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 139.986 ms
Loss rate: 2.75%
```

Run 2: Report of Indigo — Data Link

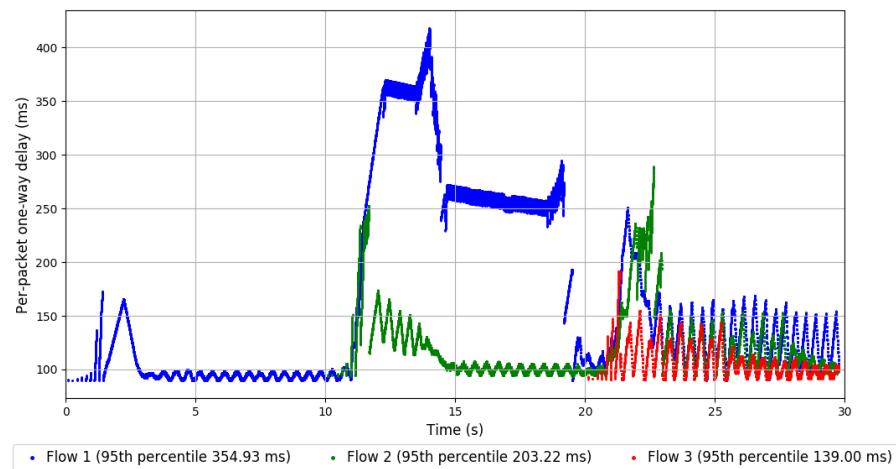
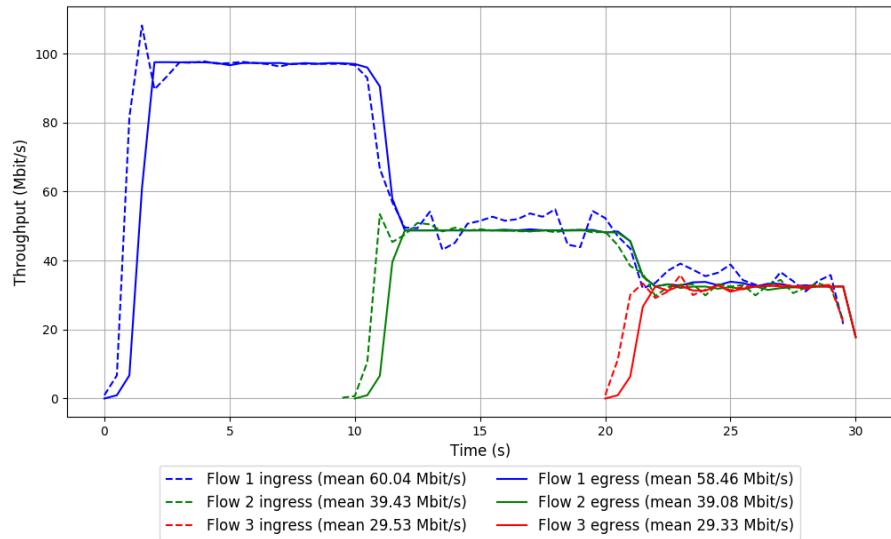


Run 3: Statistics of Indigo

```
Start at: 2019-09-19 00:04:46
End at: 2019-09-19 00:05:16
Local clock offset: 0.219 ms
Remote clock offset: -73.515 ms

# Below is generated by plot.py at 2019-09-19 01:23:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 276.168 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 354.933 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 203.222 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 138.996 ms
Loss rate: 2.33%
```

Run 3: Report of Indigo — Data Link

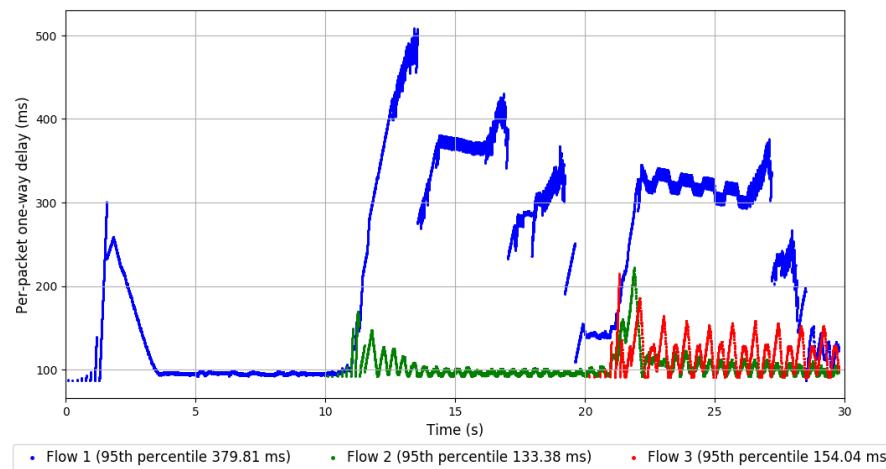
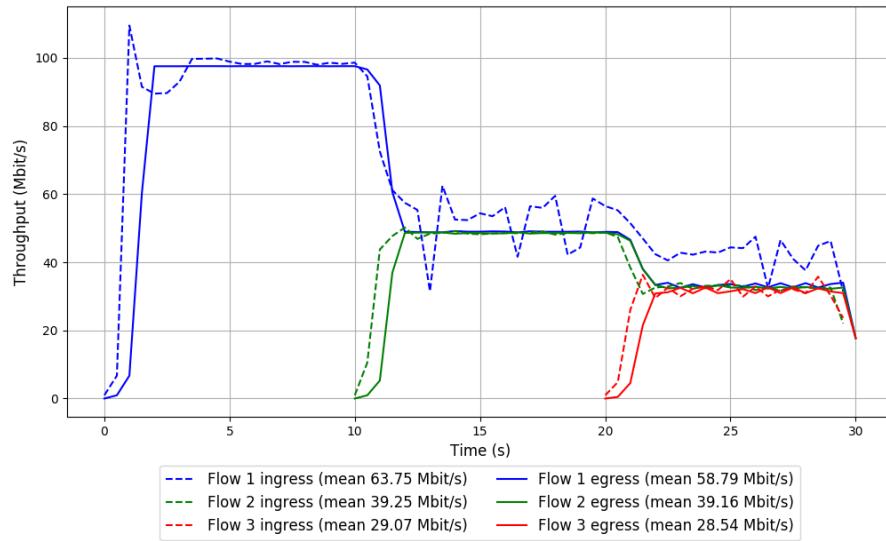


Run 4: Statistics of Indigo

```
Start at: 2019-09-19 00:35:32
End at: 2019-09-19 00:36:02
Local clock offset: -4.325 ms
Remote clock offset: -77.977 ms

# Below is generated by plot.py at 2019-09-19 01:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 370.625 ms
Loss rate: 5.92%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 379.812 ms
Loss rate: 8.27%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 133.378 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 154.038 ms
Loss rate: 3.49%
```

Run 4: Report of Indigo — Data Link

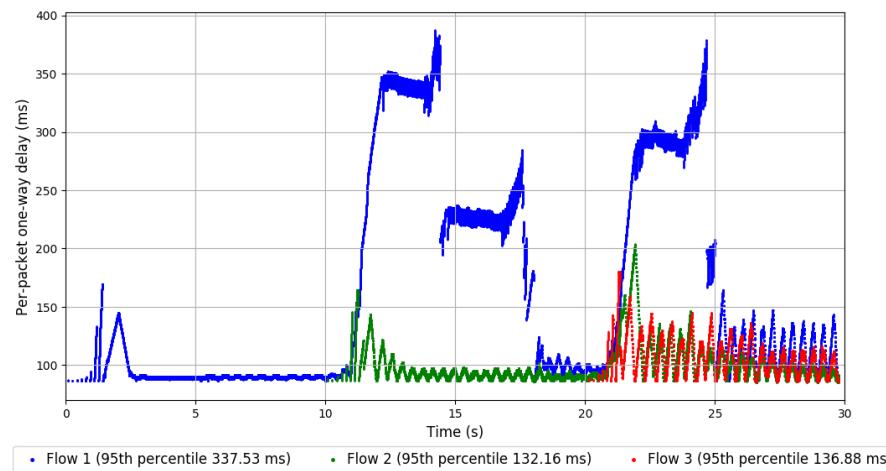
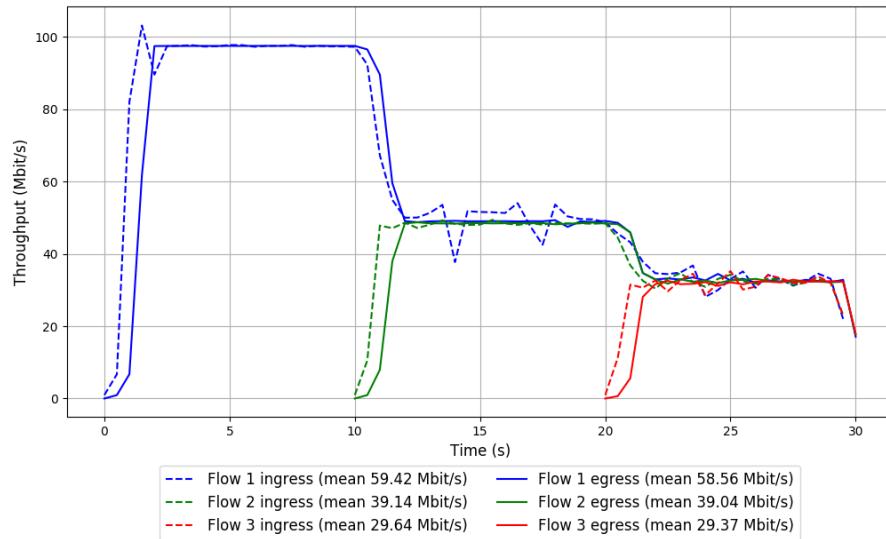


Run 5: Statistics of Indigo

```
Start at: 2019-09-19 01:06:23
End at: 2019-09-19 01:06:53
Local clock offset: 6.077 ms
Remote clock offset: -84.443 ms

# Below is generated by plot.py at 2019-09-19 01:23:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 311.650 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 337.526 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 132.156 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 136.880 ms
Loss rate: 2.57%
```

Run 5: Report of Indigo — Data Link

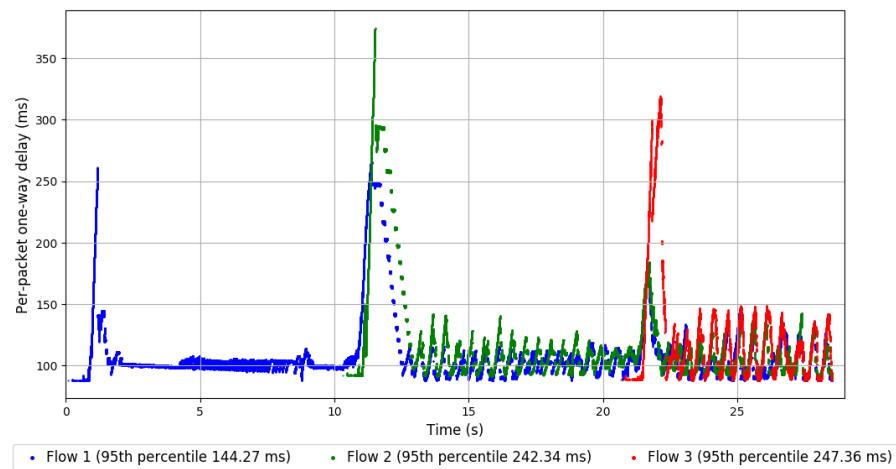
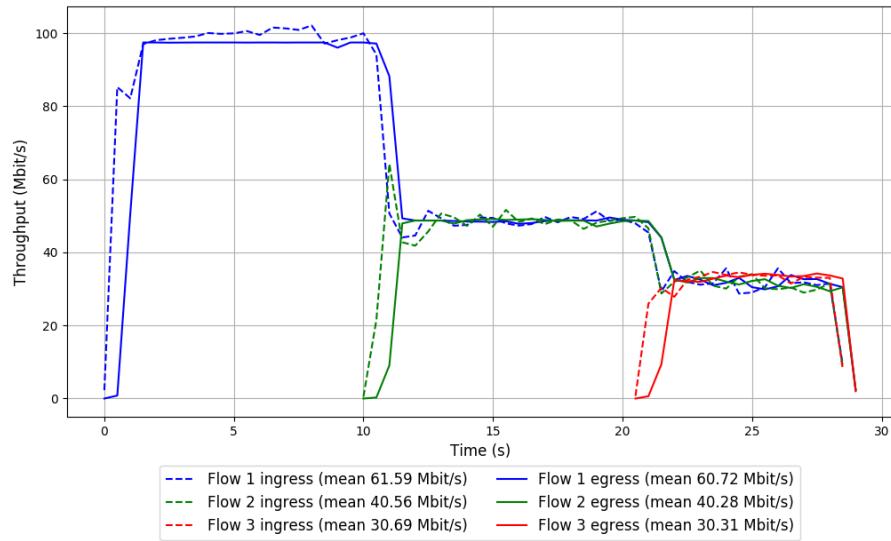


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 22:46:41
End at: 2019-09-18 22:47:11
Local clock offset: -16.458 ms
Remote clock offset: -56.16 ms

# Below is generated by plot.py at 2019-09-19 01:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 182.878 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 144.268 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 242.340 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 247.360 ms
Loss rate: 3.25%
```

Run 1: Report of Indigo-MusesC3 — Data Link

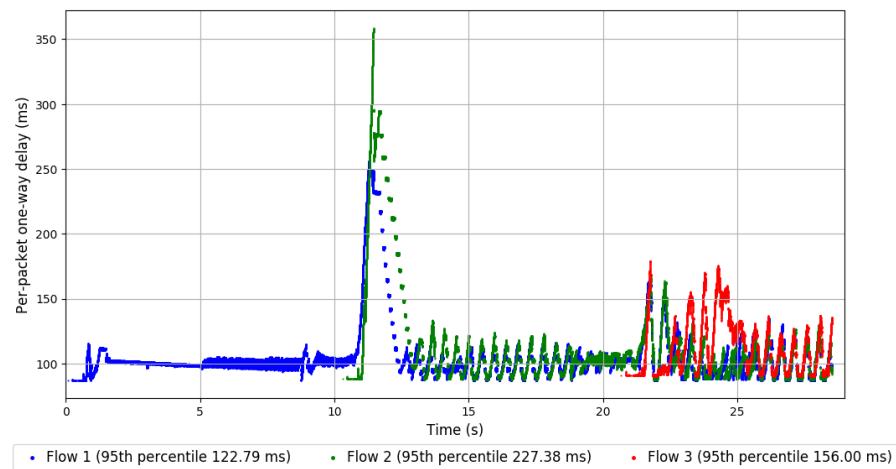
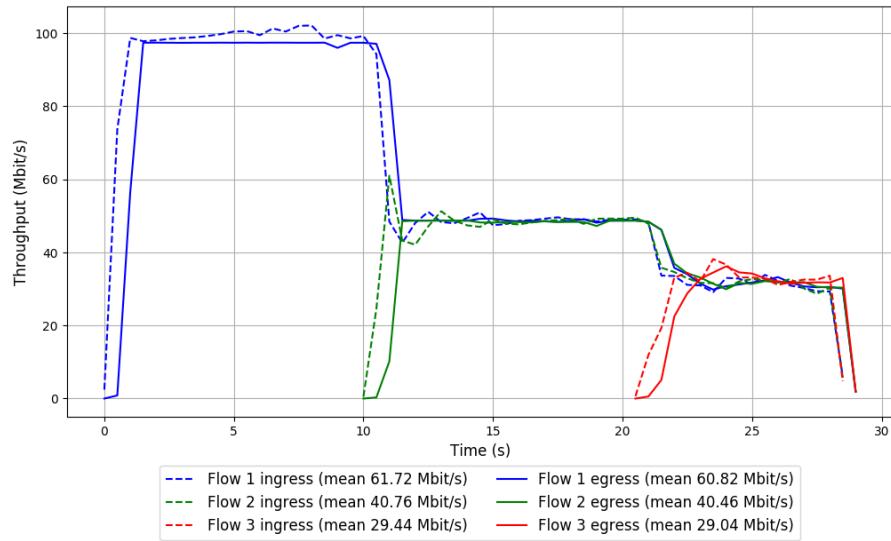


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 23:17:24
End at: 2019-09-18 23:17:54
Local clock offset: -28.476 ms
Remote clock offset: -62.864 ms

# Below is generated by plot.py at 2019-09-19 01:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 155.333 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 122.794 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 227.377 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 155.995 ms
Loss rate: 3.43%
```

Run 2: Report of Indigo-MusesC3 — Data Link

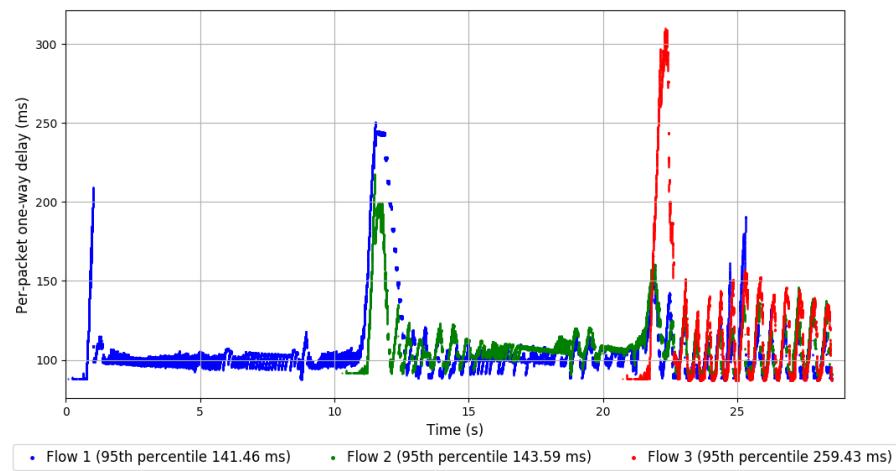
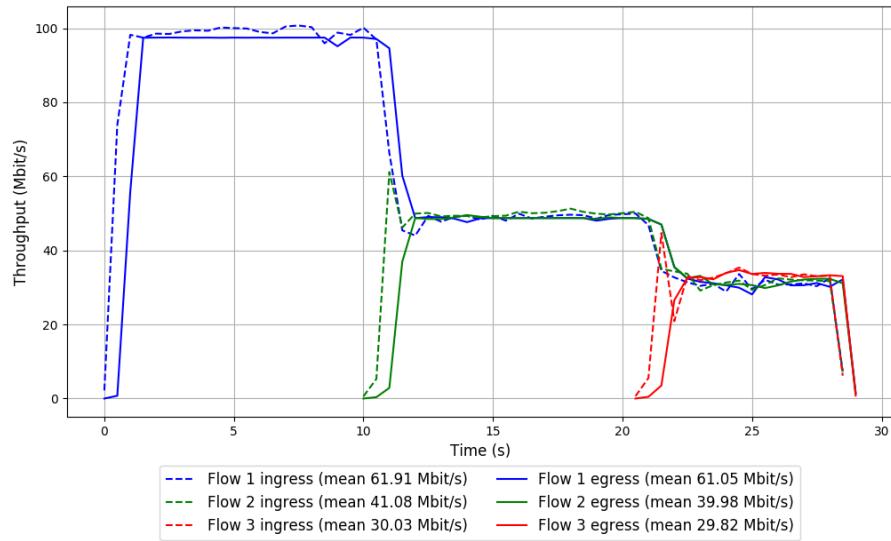


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 23:48:09
End at: 2019-09-18 23:48:39
Local clock offset: -2.489 ms
Remote clock offset: -69.892 ms

# Below is generated by plot.py at 2019-09-19 01:23:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 149.874 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 61.05 Mbit/s
95th percentile per-packet one-way delay: 141.463 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 143.589 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 259.433 ms
Loss rate: 2.71%
```

Run 3: Report of Indigo-MusesC3 — Data Link

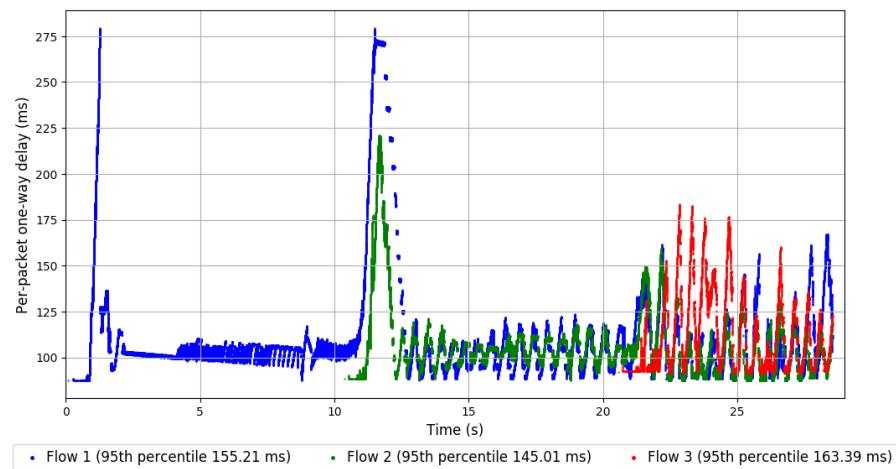
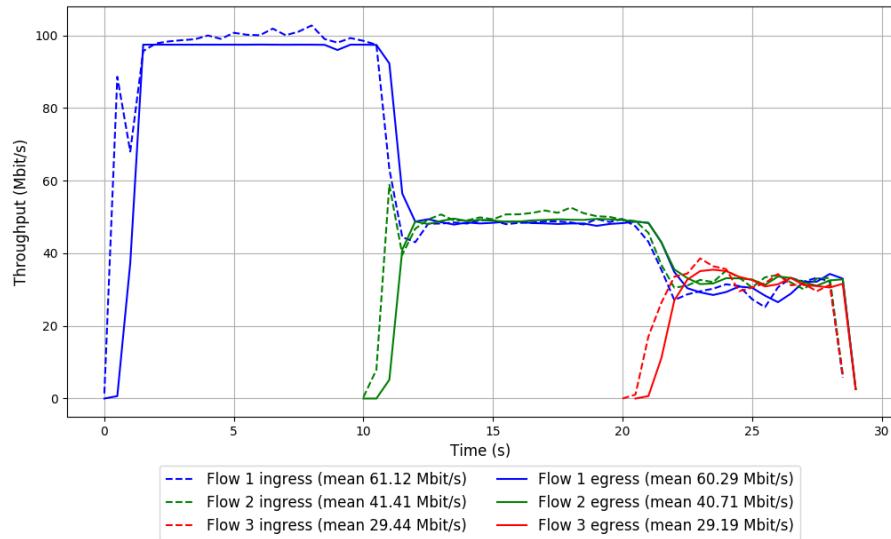


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-09-19 00:18:54
End at: 2019-09-19 00:19:24
Local clock offset: -5.066 ms
Remote clock offset: -75.976 ms

# Below is generated by plot.py at 2019-09-19 01:24:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 154.132 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 155.208 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 145.012 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 163.392 ms
Loss rate: 2.83%
```

Run 4: Report of Indigo-MusesC3 — Data Link

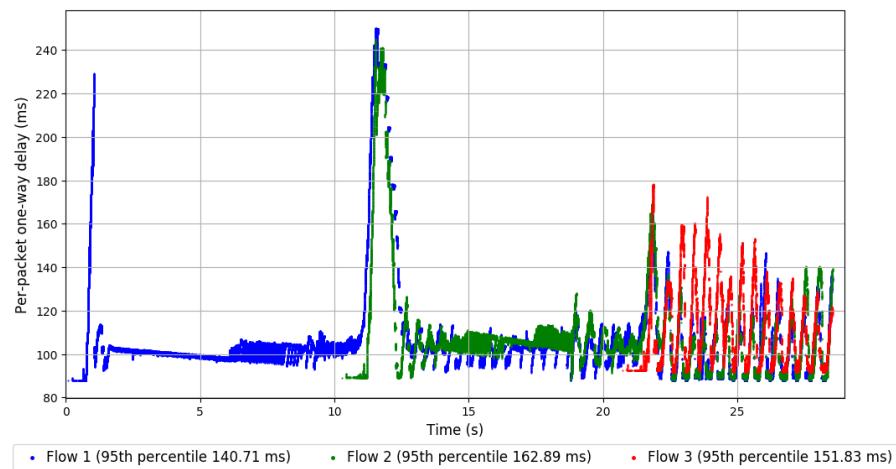
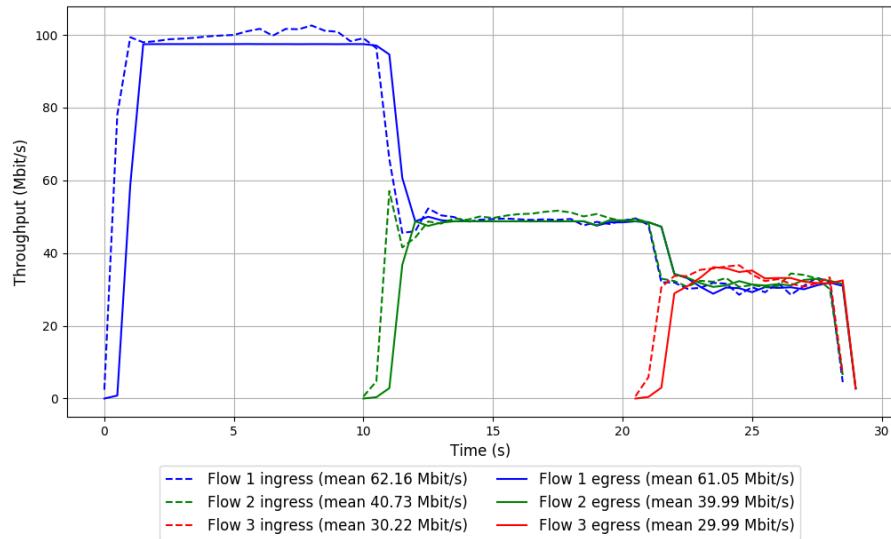


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-09-19 00:49:41
End at: 2019-09-19 00:50:11
Local clock offset: -4.656 ms
Remote clock offset: -82.484 ms

# Below is generated by plot.py at 2019-09-19 01:24:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 149.847 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 61.05 Mbit/s
95th percentile per-packet one-way delay: 140.707 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 162.888 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 151.827 ms
Loss rate: 2.82%
```

Run 5: Report of Indigo-MusesC3 — Data Link

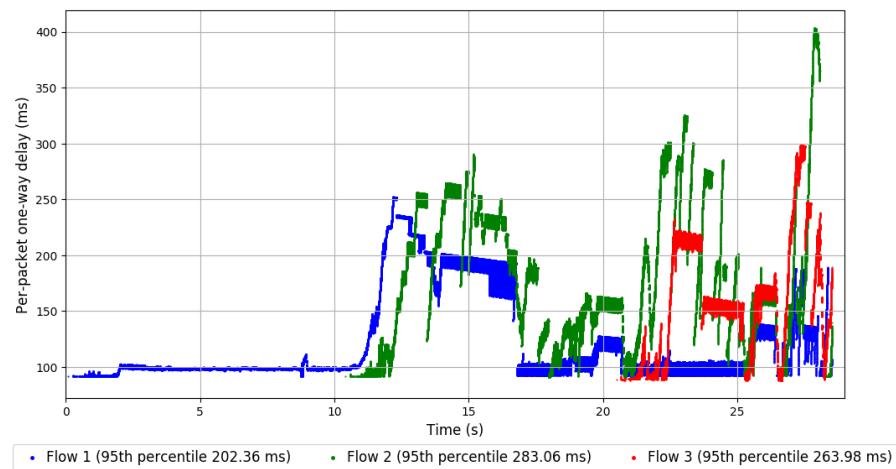
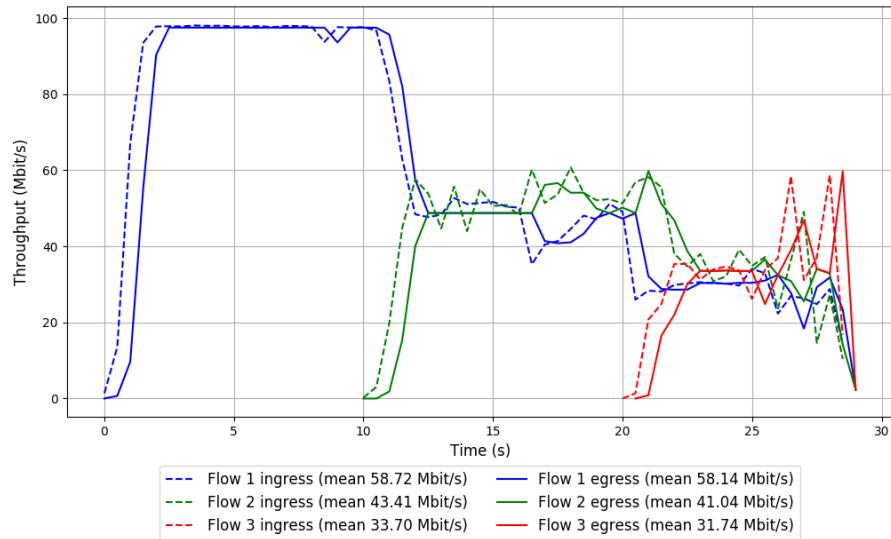


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 22:47:58
End at: 2019-09-18 22:48:28
Local clock offset: -18.028 ms
Remote clock offset: -57.332 ms

# Below is generated by plot.py at 2019-09-19 01:24:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 251.173 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 202.356 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 283.059 ms
Loss rate: 5.93%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 263.976 ms
Loss rate: 7.40%
```

Run 1: Report of Indigo-MusesC5 — Data Link

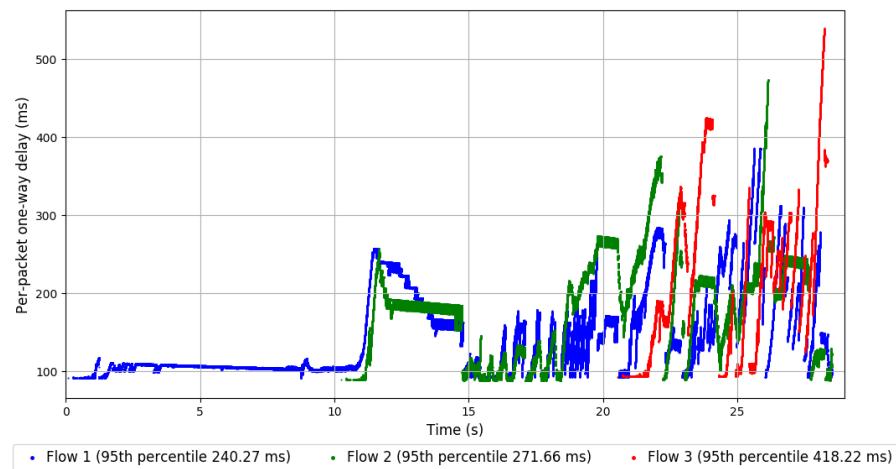
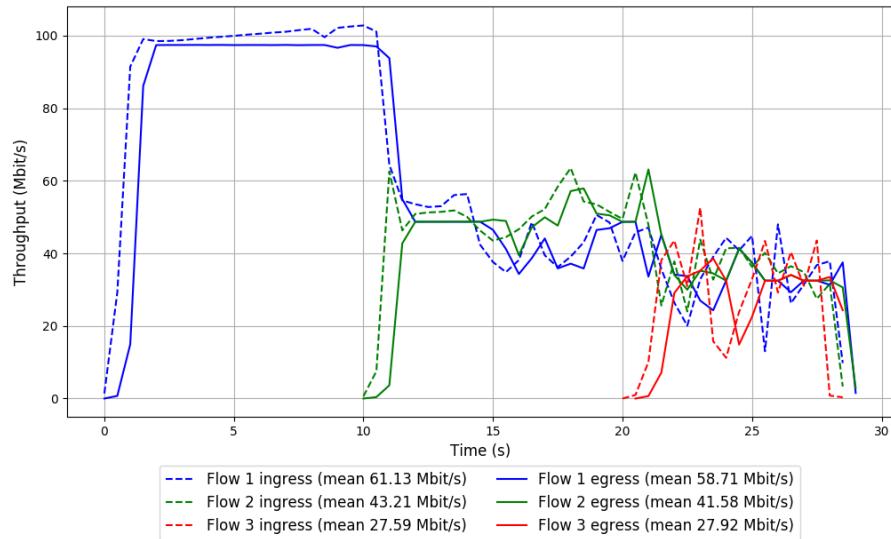


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 23:18:42
End at: 2019-09-18 23:19:12
Local clock offset: -28.907 ms
Remote clock offset: -64.239 ms

# Below is generated by plot.py at 2019-09-19 01:24:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 274.397 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 240.271 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 271.659 ms
Loss rate: 4.37%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 418.224 ms
Loss rate: 2.83%
```

Run 2: Report of Indigo-MusesC5 — Data Link

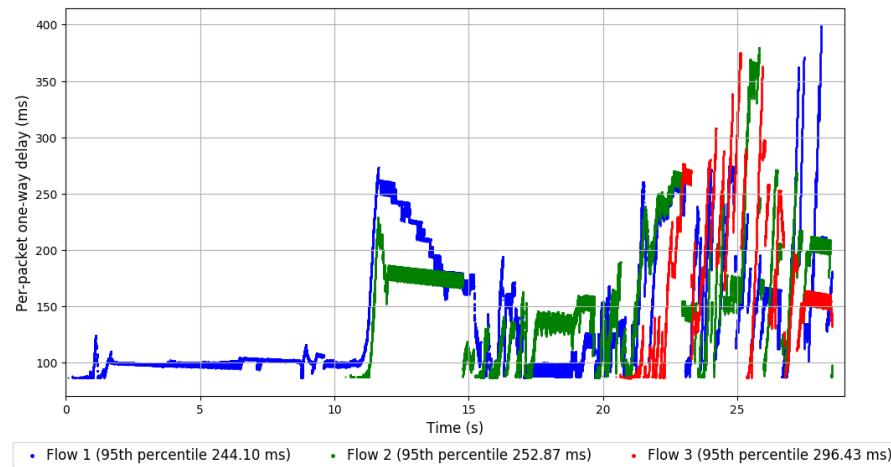
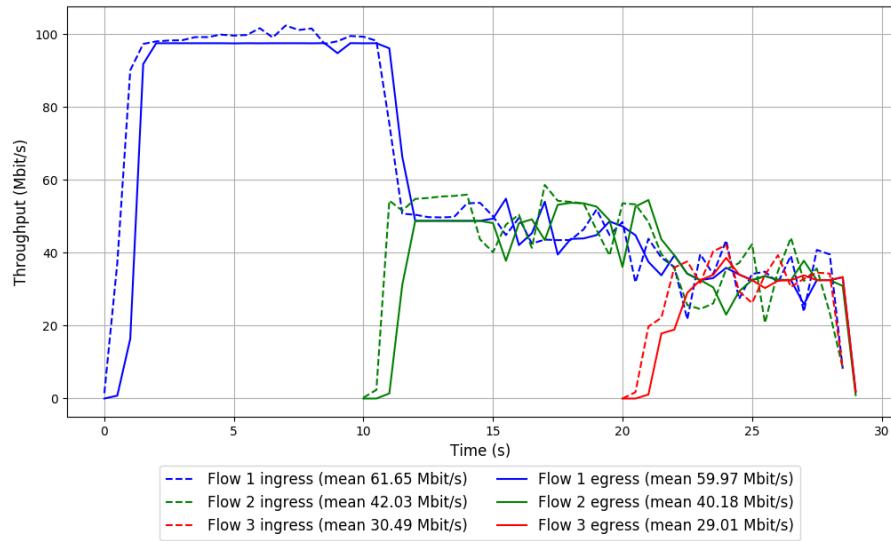


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 23:49:27
End at: 2019-09-18 23:49:57
Local clock offset: -0.927 ms
Remote clock offset: -68.6 ms

# Below is generated by plot.py at 2019-09-19 01:24:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 255.687 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 244.105 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 252.869 ms
Loss rate: 5.25%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 296.426 ms
Loss rate: 6.63%
```

Run 3: Report of Indigo-MusesC5 — Data Link

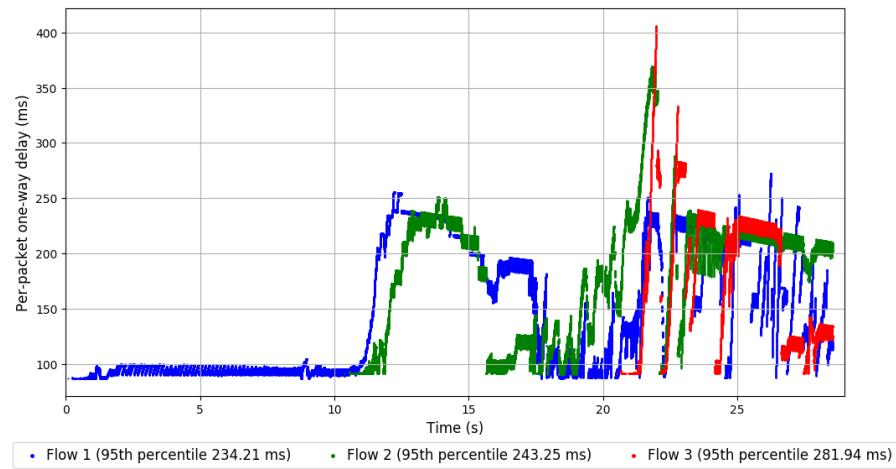
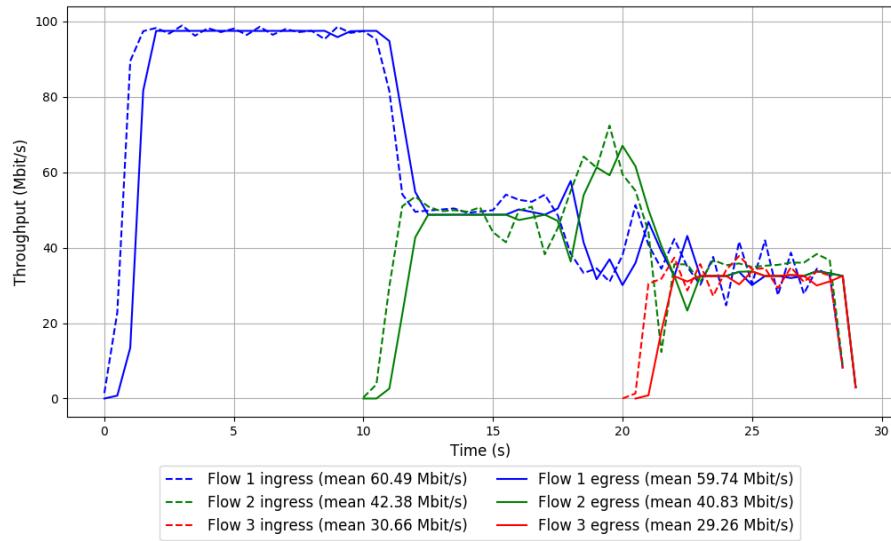


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-09-19 00:20:11
End at: 2019-09-19 00:20:41
Local clock offset: -5.064 ms
Remote clock offset: -75.544 ms

# Below is generated by plot.py at 2019-09-19 01:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 236.520 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 234.207 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 243.245 ms
Loss rate: 4.54%
-- Flow 3:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 281.939 ms
Loss rate: 6.36%
```

Run 4: Report of Indigo-MusesC5 — Data Link

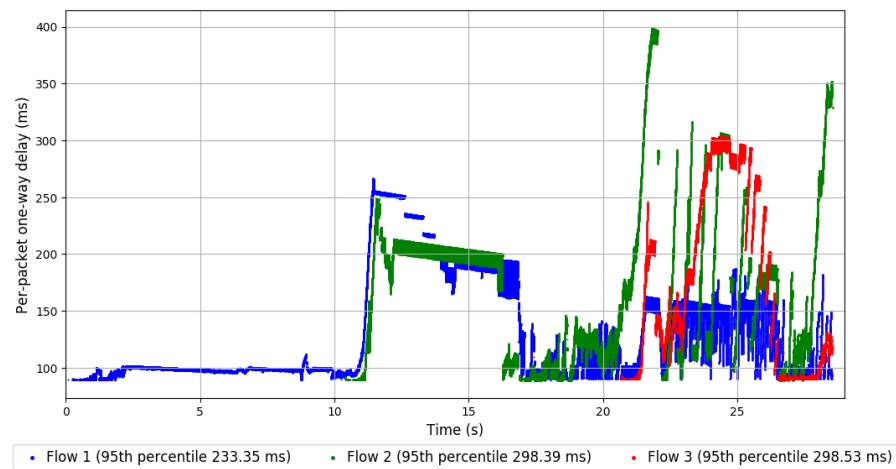
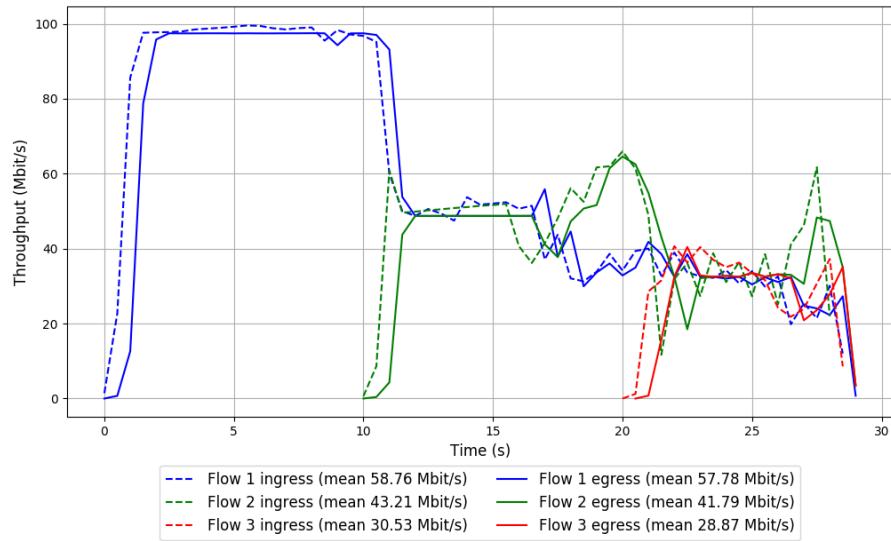


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-09-19 00:50:58
End at: 2019-09-19 00:51:28
Local clock offset: -4.583 ms
Remote clock offset: -83.87 ms

# Below is generated by plot.py at 2019-09-19 01:25:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 254.814 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 233.352 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 298.395 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 298.529 ms
Loss rate: 7.30%
```

Run 5: Report of Indigo-MusesC5 — Data Link

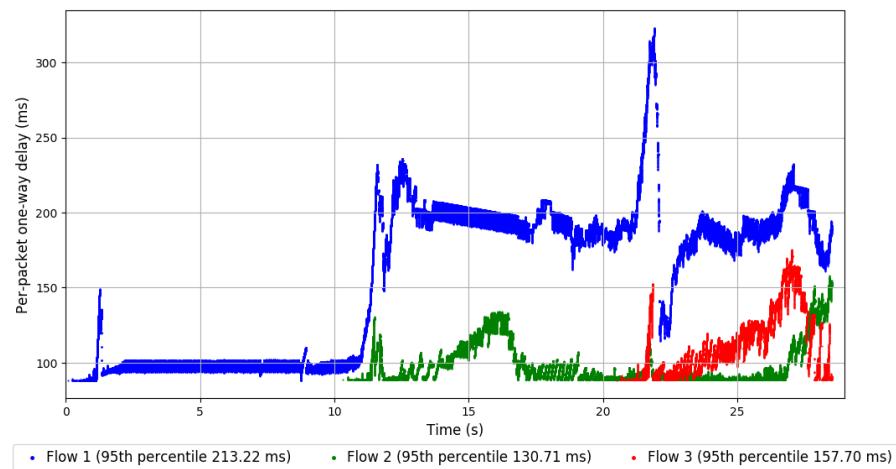
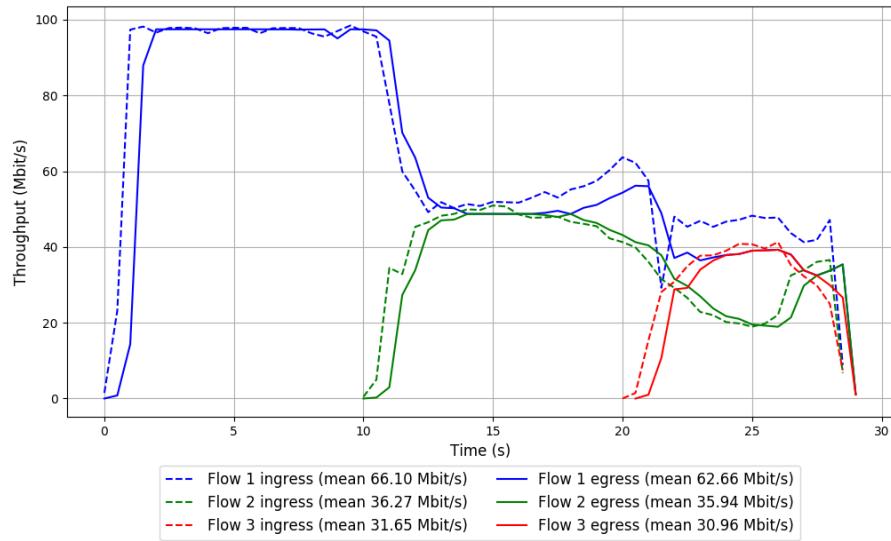


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 23:12:10
End at: 2019-09-18 23:12:40
Local clock offset: -27.065 ms
Remote clock offset: -62.701 ms

# Below is generated by plot.py at 2019-09-19 01:25:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 206.373 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 213.224 ms
Loss rate: 5.72%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 130.708 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 157.697 ms
Loss rate: 4.23%
```

Run 1: Report of Indigo-MusesD — Data Link

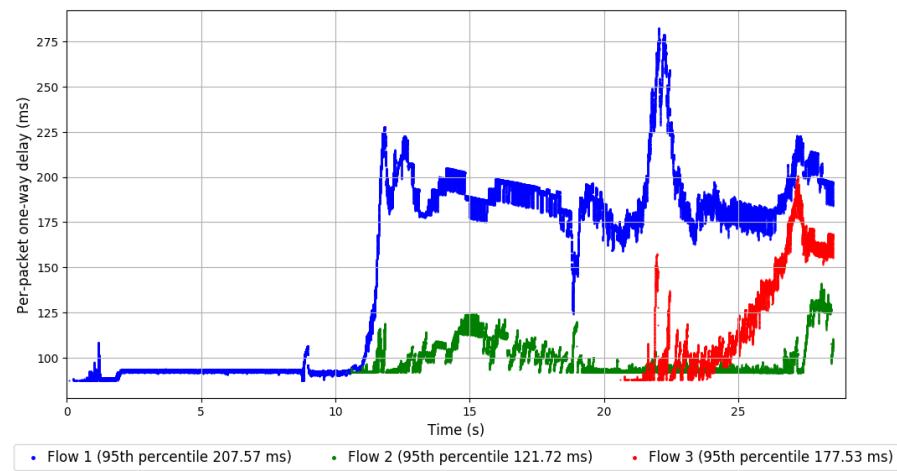
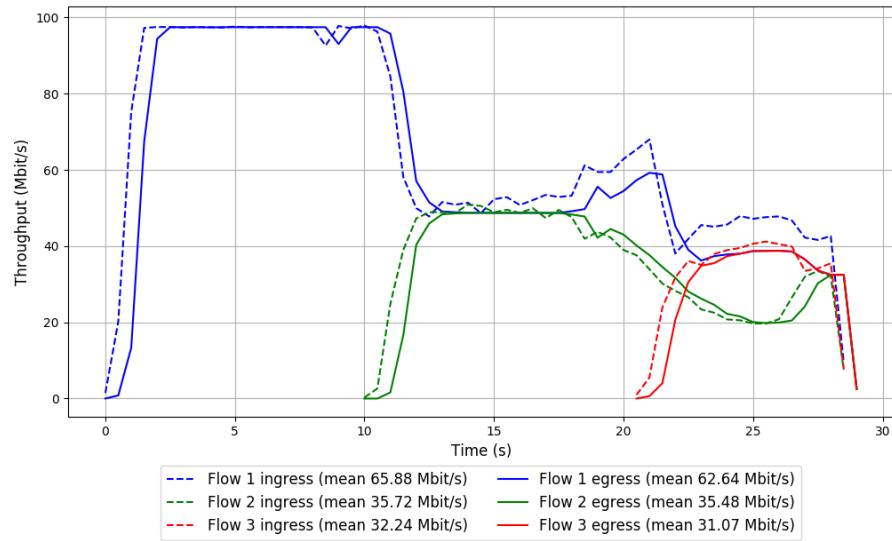


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 23:42:55
End at: 2019-09-18 23:43:25
Local clock offset: -6.376 ms
Remote clock offset: -68.595 ms

# Below is generated by plot.py at 2019-09-19 01:25:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 202.271 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 207.567 ms
Loss rate: 5.46%
-- Flow 2:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 121.720 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 177.535 ms
Loss rate: 5.50%
```

Run 2: Report of Indigo-MusesD — Data Link

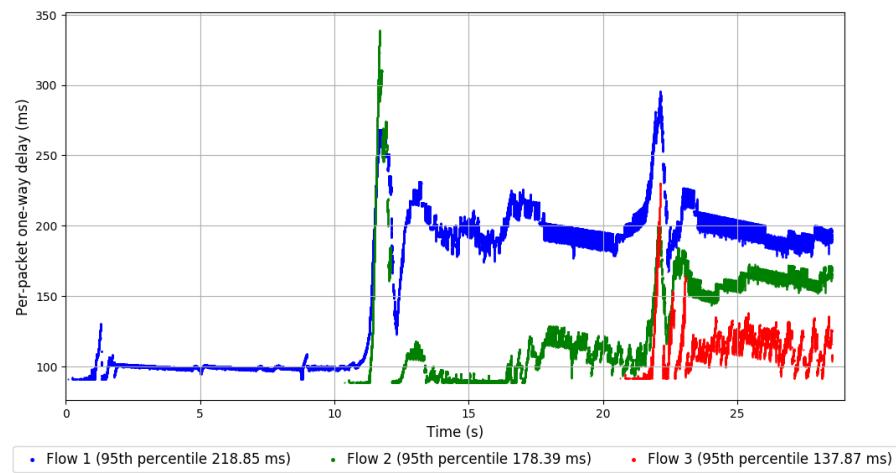
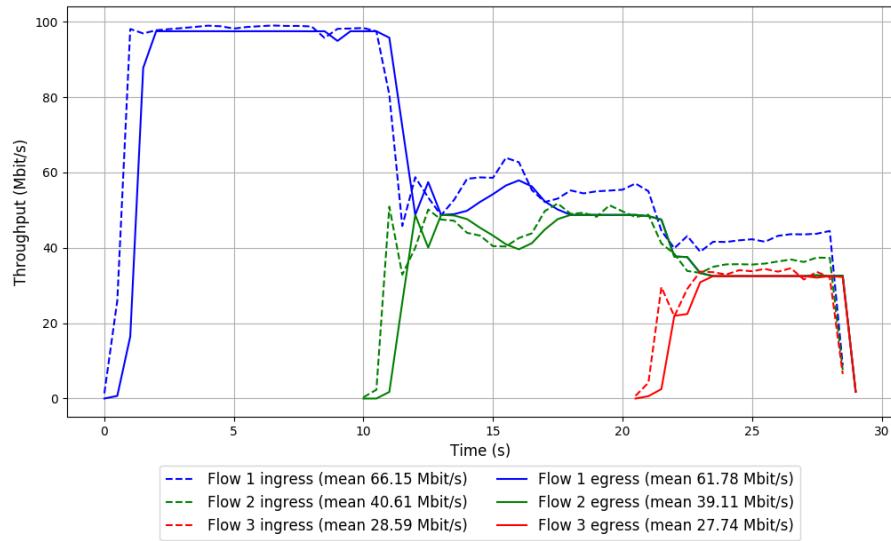


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-09-19 00:13:40
End at: 2019-09-19 00:14:10
Local clock offset: -4.394 ms
Remote clock offset: -74.924 ms

# Below is generated by plot.py at 2019-09-19 01:25:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 216.632 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 218.855 ms
Loss rate: 7.13%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 178.386 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 137.870 ms
Loss rate: 4.97%
```

Run 3: Report of Indigo-MusesD — Data Link

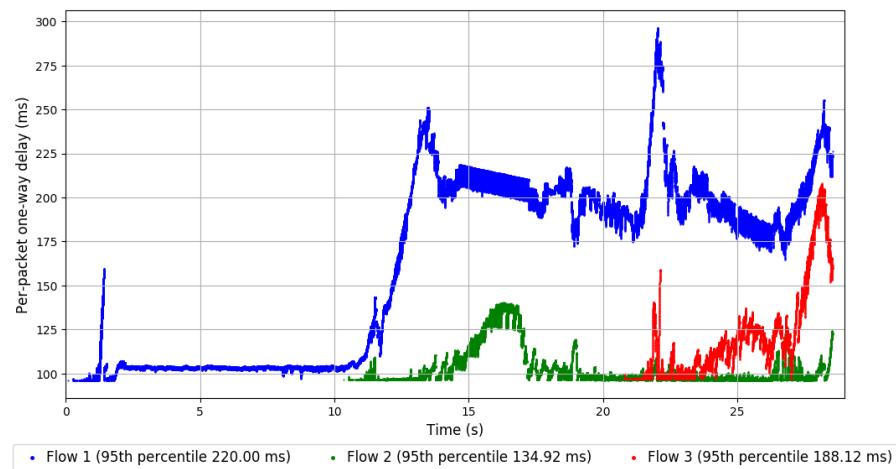
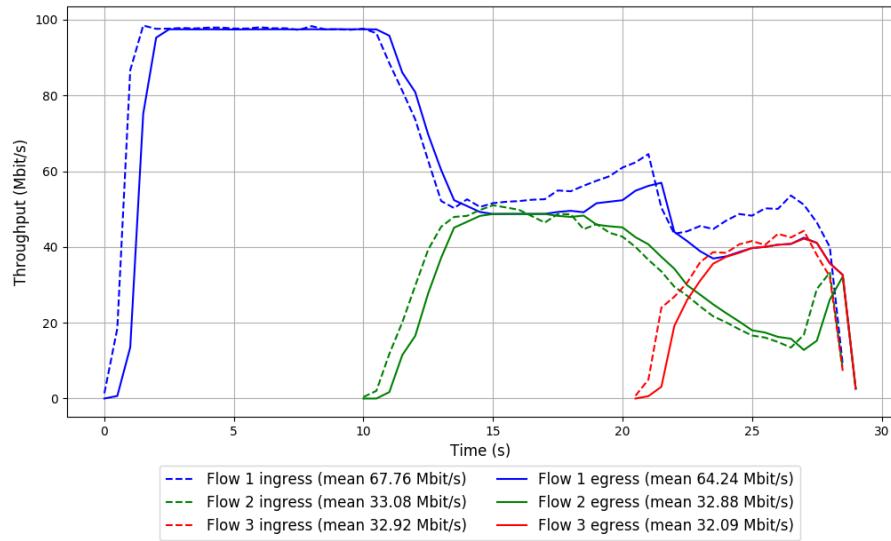


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-09-19 00:44:27
End at: 2019-09-19 00:44:57
Local clock offset: -4.169 ms
Remote clock offset: -84.913 ms

# Below is generated by plot.py at 2019-09-19 01:25:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 215.213 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 220.001 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 134.922 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 188.117 ms
Loss rate: 4.49%
```

Run 4: Report of Indigo-MusesD — Data Link

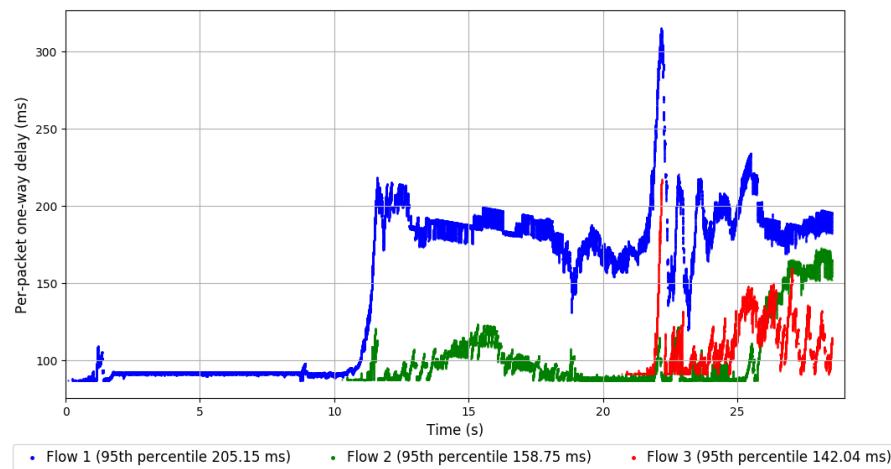
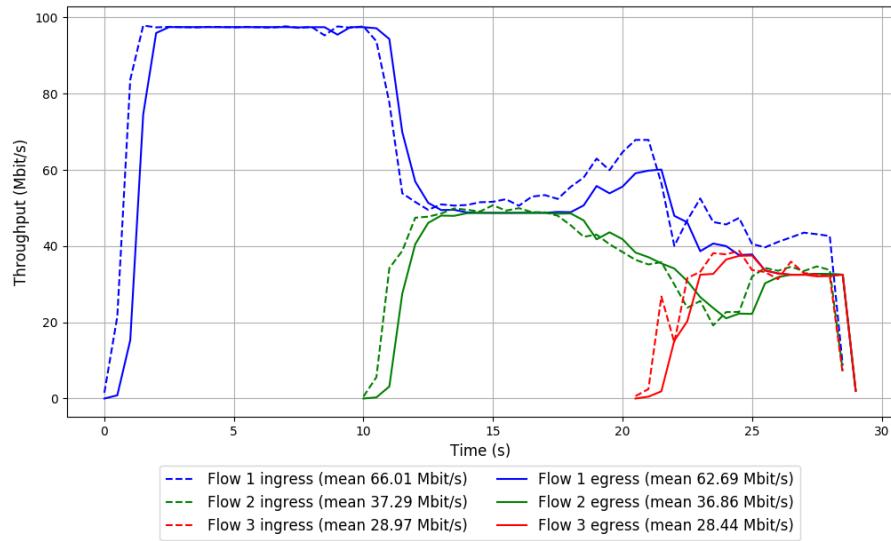


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-09-19 01:15:18
End at: 2019-09-19 01:15:48
Local clock offset: 15.11 ms
Remote clock offset: -85.914 ms

# Below is generated by plot.py at 2019-09-19 01:25:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 199.156 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 205.153 ms
Loss rate: 5.55%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 158.753 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 142.042 ms
Loss rate: 3.87%
```

Run 5: Report of Indigo-MusesD — Data Link

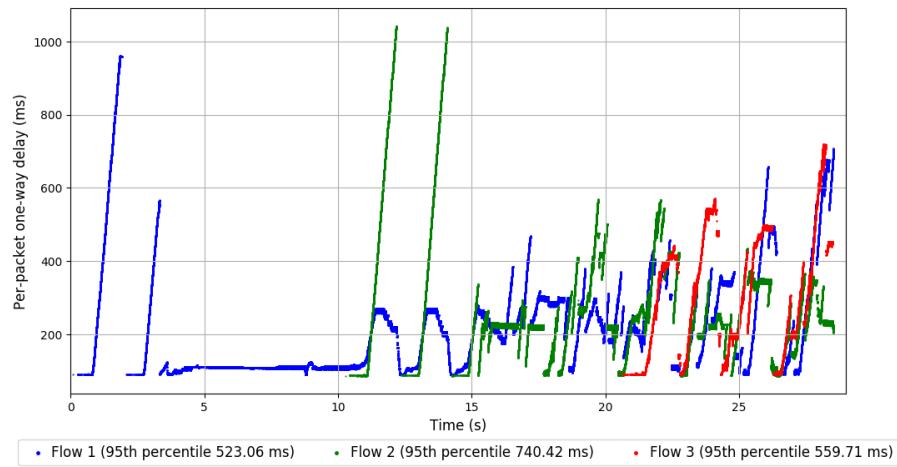
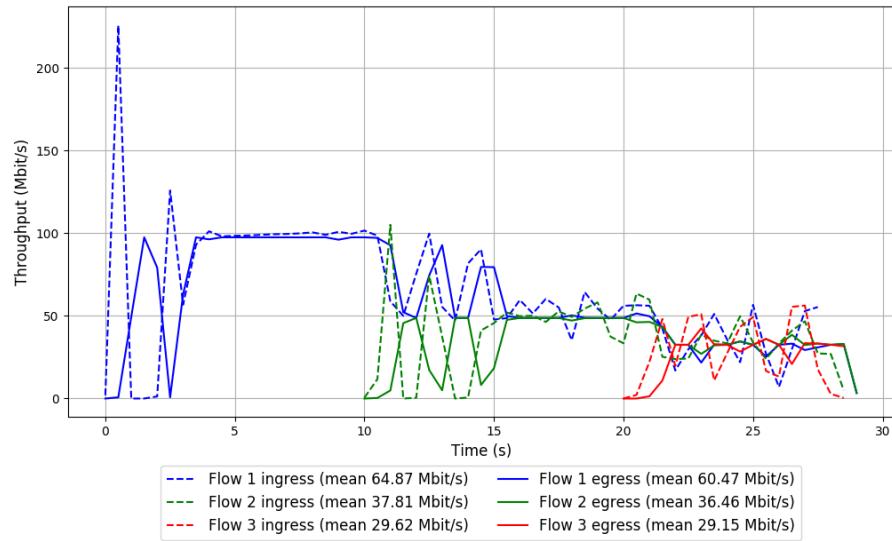


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 23:05:53
End at: 2019-09-18 23:06:23
Local clock offset: -25.137 ms
Remote clock offset: -59.505 ms

# Below is generated by plot.py at 2019-09-19 01:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 567.708 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 60.47 Mbit/s
95th percentile per-packet one-way delay: 523.058 ms
Loss rate: 4.81%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 740.420 ms
Loss rate: 4.38%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 559.711 ms
Loss rate: 4.10%
```

Run 1: Report of Indigo-MusesT — Data Link

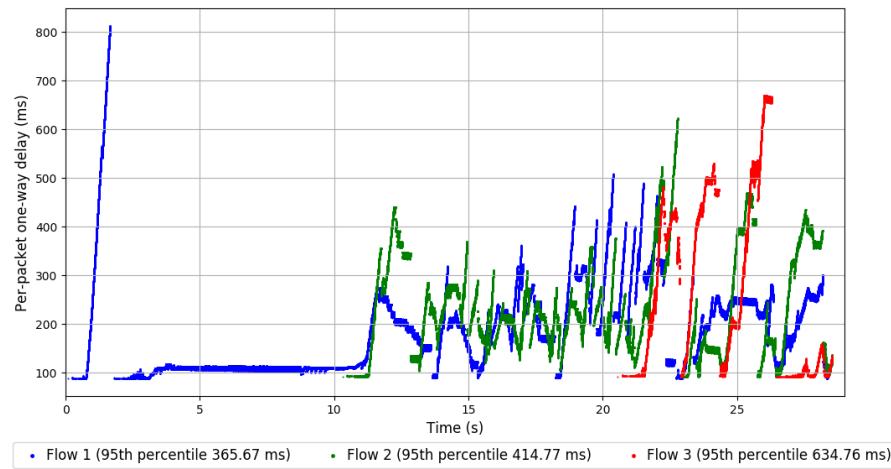
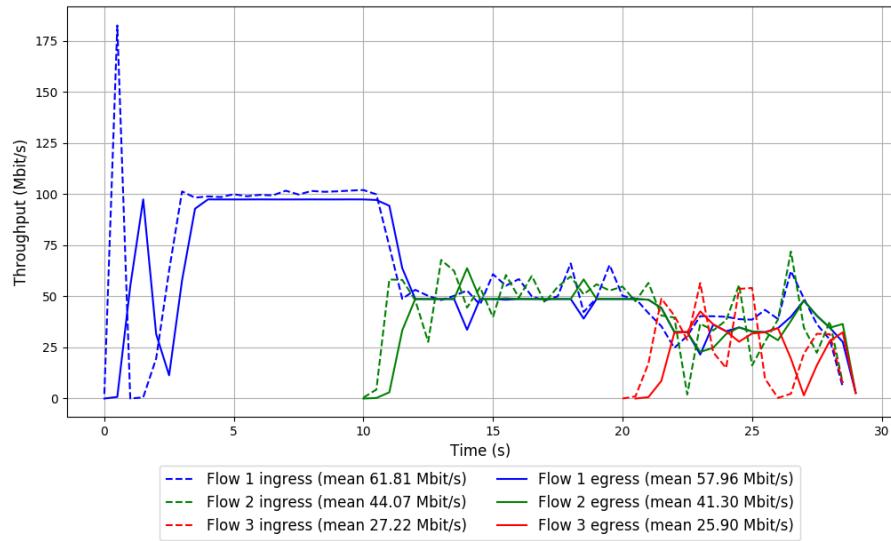


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 23:36:38
End at: 2019-09-18 23:37:08
Local clock offset: -16.026 ms
Remote clock offset: -69.088 ms

# Below is generated by plot.py at 2019-09-19 01:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 437.379 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 365.671 ms
Loss rate: 6.77%
-- Flow 2:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 414.773 ms
Loss rate: 7.08%
-- Flow 3:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 634.764 ms
Loss rate: 6.79%
```

Run 2: Report of Indigo-MusesT — Data Link

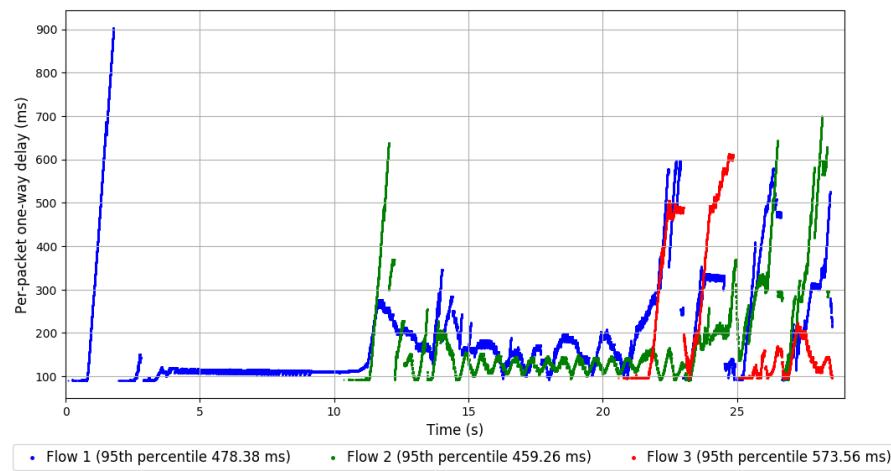
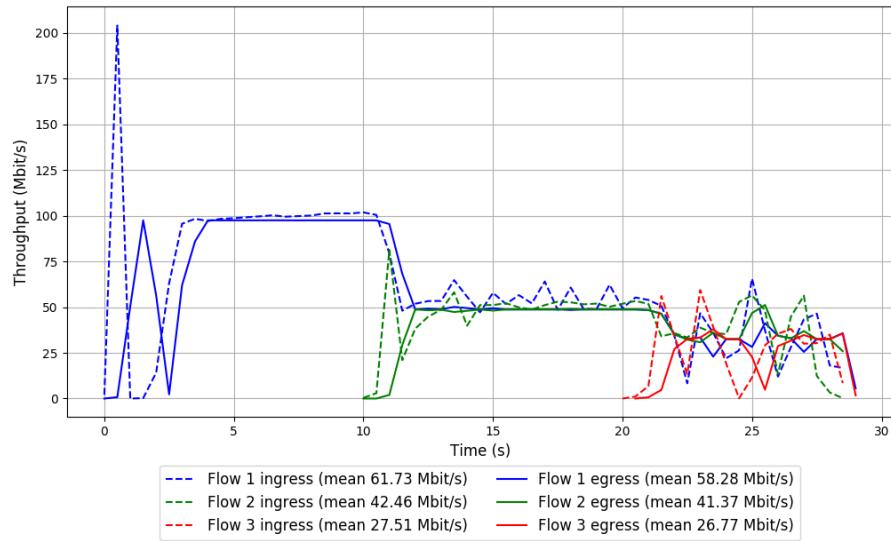


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-09-19 00:07:22
End at: 2019-09-19 00:07:52
Local clock offset: -2.178 ms
Remote clock offset: -76.641 ms

# Below is generated by plot.py at 2019-09-19 01:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 491.898 ms
Loss rate: 5.44%
-- Flow 1:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 478.378 ms
Loss rate: 6.11%
-- Flow 2:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 459.259 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 573.559 ms
Loss rate: 4.75%
```

Run 3: Report of Indigo-MusesT — Data Link

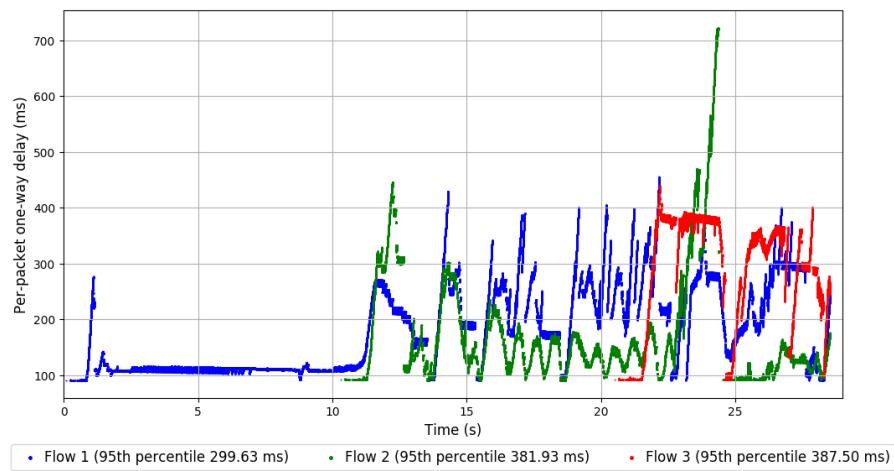
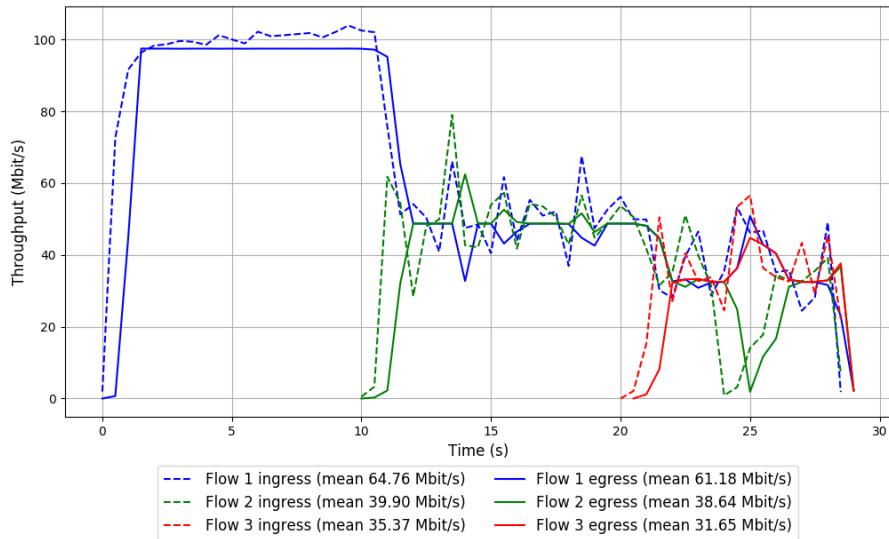


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-09-19 00:38:09
End at: 2019-09-19 00:38:39
Local clock offset: -4.407 ms
Remote clock offset: -78.807 ms

# Below is generated by plot.py at 2019-09-19 01:26:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 363.569 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 299.633 ms
Loss rate: 6.06%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 381.934 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 387.503 ms
Loss rate: 12.29%
```

Run 4: Report of Indigo-MusesT — Data Link

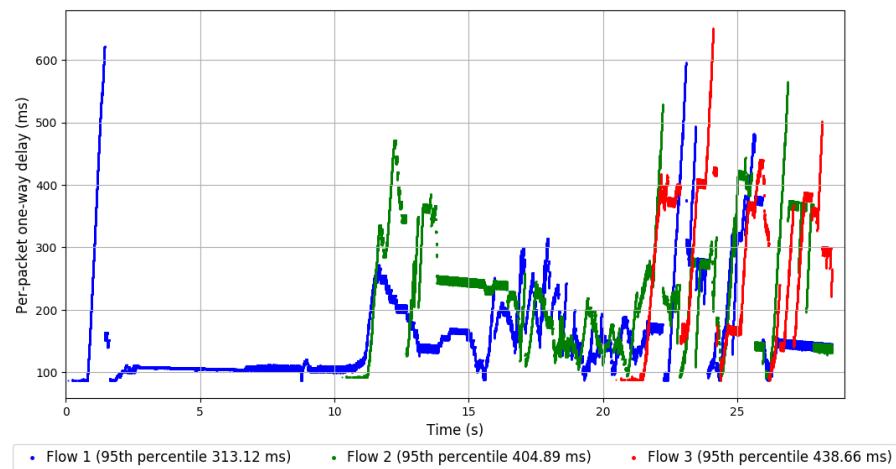
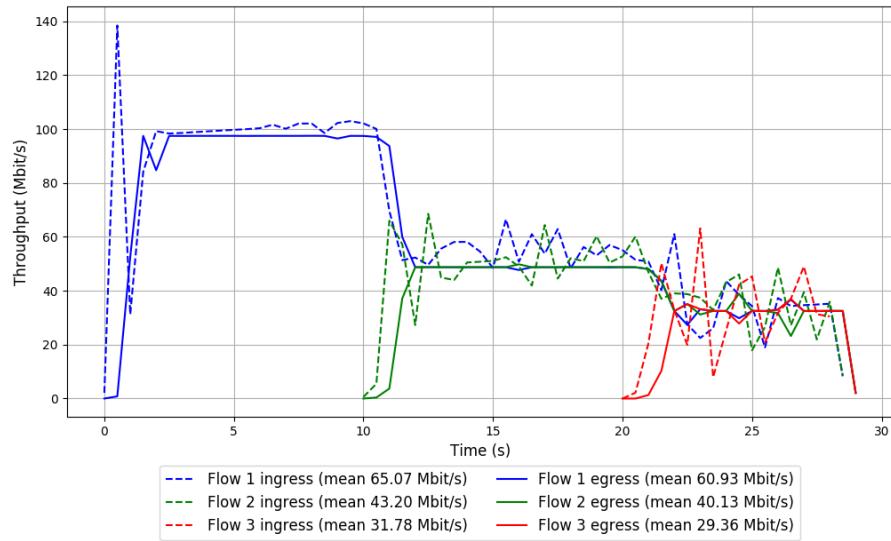


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-09-19 01:08:59
End at: 2019-09-19 01:09:29
Local clock offset: 9.801 ms
Remote clock offset: -85.482 ms

# Below is generated by plot.py at 2019-09-19 01:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 393.392 ms
Loss rate: 7.22%
-- Flow 1:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 313.122 ms
Loss rate: 6.88%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 404.895 ms
Loss rate: 7.93%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 438.663 ms
Loss rate: 7.44%
```

Run 5: Report of Indigo-MusesT — Data Link

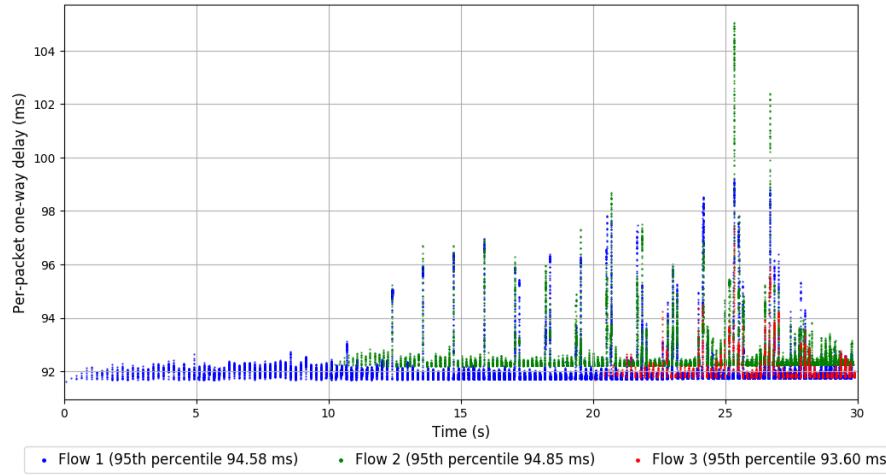
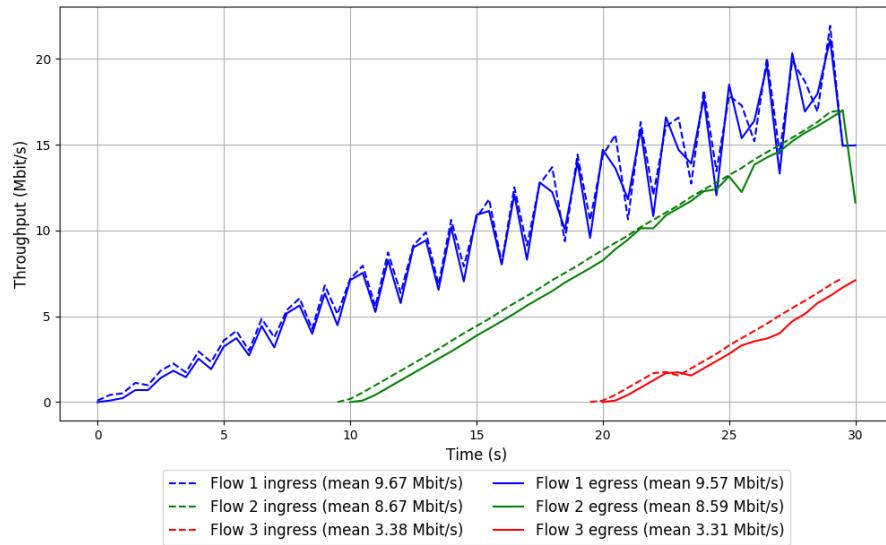


Run 1: Statistics of LEDBAT

```
Start at: 2019-09-18 22:55:33
End at: 2019-09-18 22:56:03
Local clock offset: -21.628 ms
Remote clock offset: -59.719 ms

# Below is generated by plot.py at 2019-09-19 01:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 94.625 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 94.584 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 94.853 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 93.596 ms
Loss rate: 3.69%
```

Run 1: Report of LEDBAT — Data Link

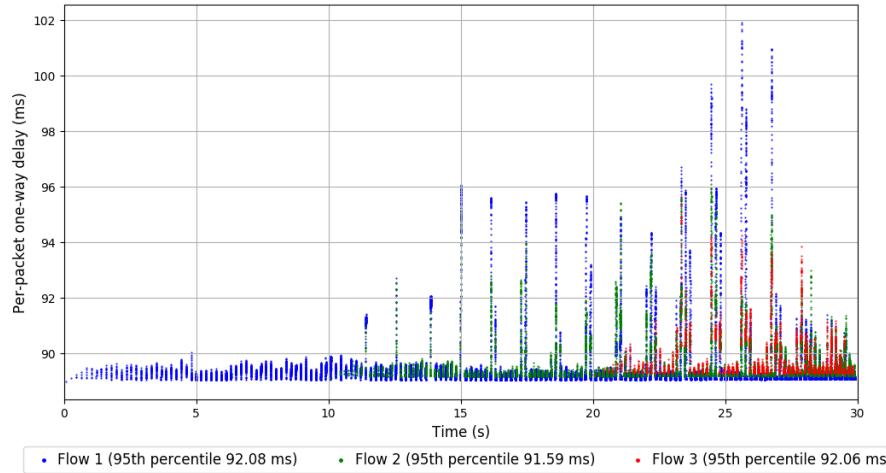
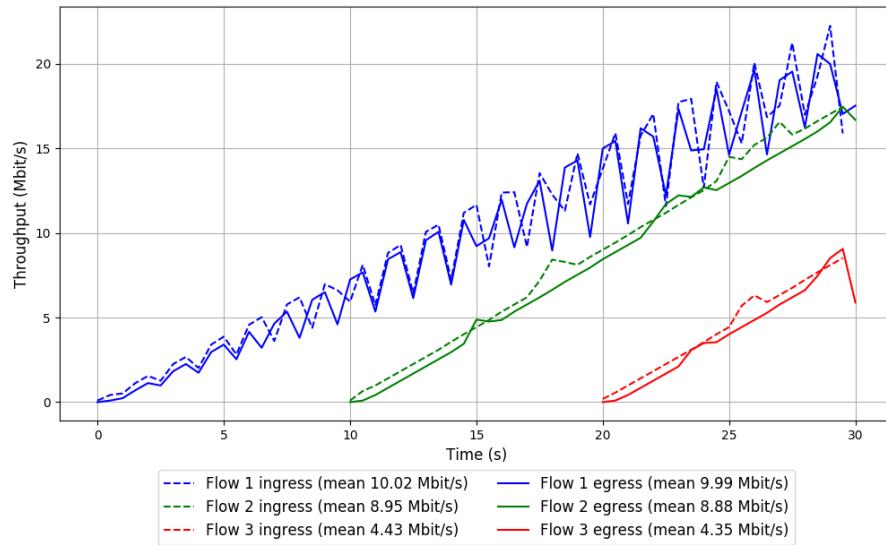


Run 2: Statistics of LEDBAT

```
Start at: 2019-09-18 23:26:16
End at: 2019-09-18 23:26:46
Local clock offset: -30.158 ms
Remote clock offset: -66.189 ms

# Below is generated by plot.py at 2019-09-19 01:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 91.880 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: 92.084 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 91.587 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 92.059 ms
Loss rate: 3.30%
```

Run 2: Report of LEDBAT — Data Link

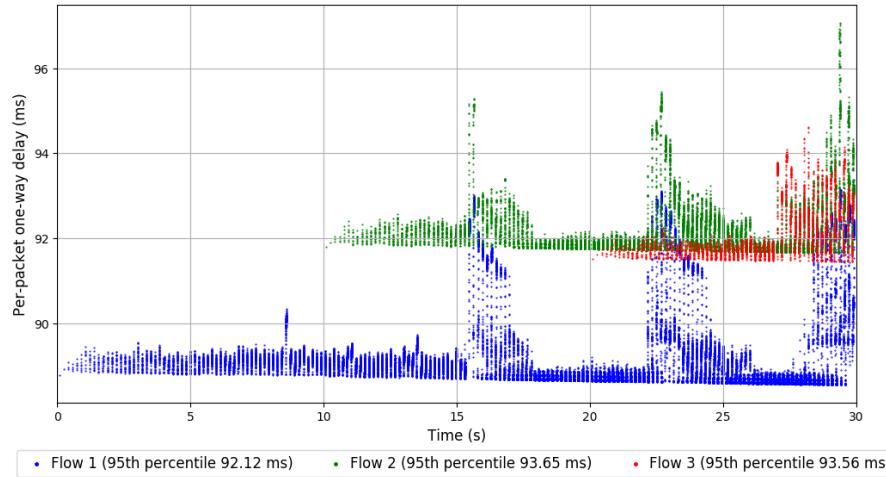
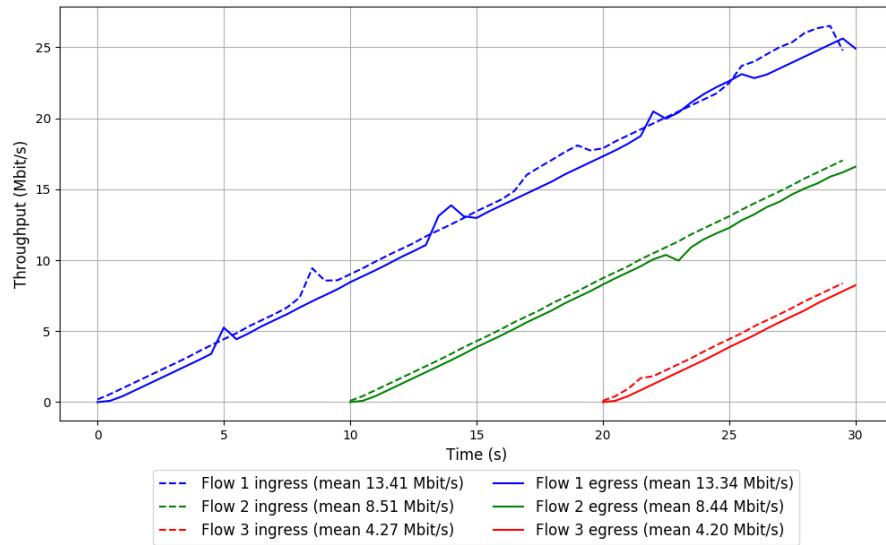


Run 3: Statistics of LEDBAT

```
Start at: 2019-09-18 23:57:01
End at: 2019-09-18 23:57:31
Local clock offset: 2.976 ms
Remote clock offset: -71.775 ms

# Below is generated by plot.py at 2019-09-19 01:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 92.839 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 92.120 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 93.651 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 93.565 ms
Loss rate: 3.35%
```

Run 3: Report of LEDBAT — Data Link

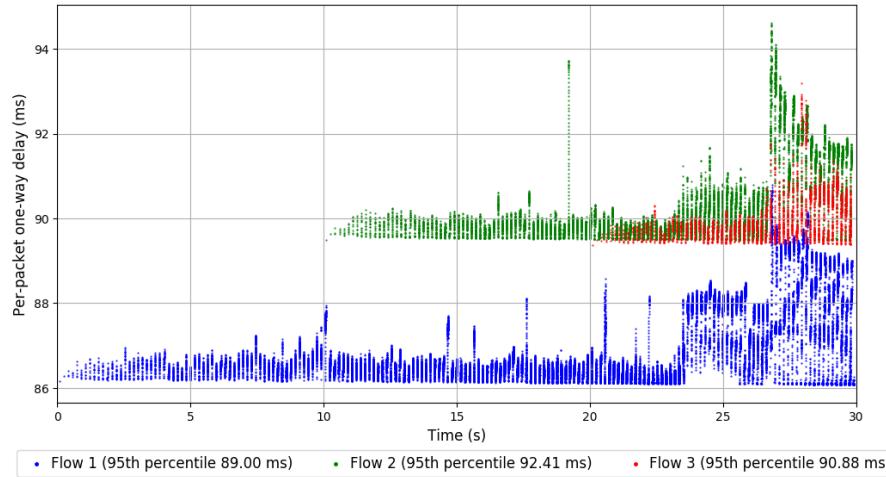
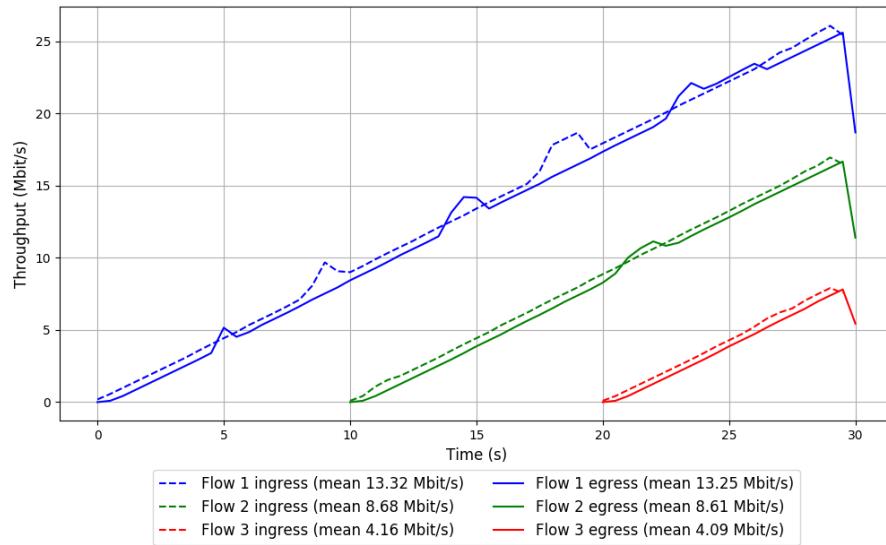


Run 4: Statistics of LEDBAT

```
Start at: 2019-09-19 00:27:47
End at: 2019-09-19 00:28:17
Local clock offset: -5.04 ms
Remote clock offset: -76.299 ms

# Below is generated by plot.py at 2019-09-19 01:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 91.432 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 88.996 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 92.411 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 90.882 ms
Loss rate: 3.41%
```

Run 4: Report of LEDBAT — Data Link

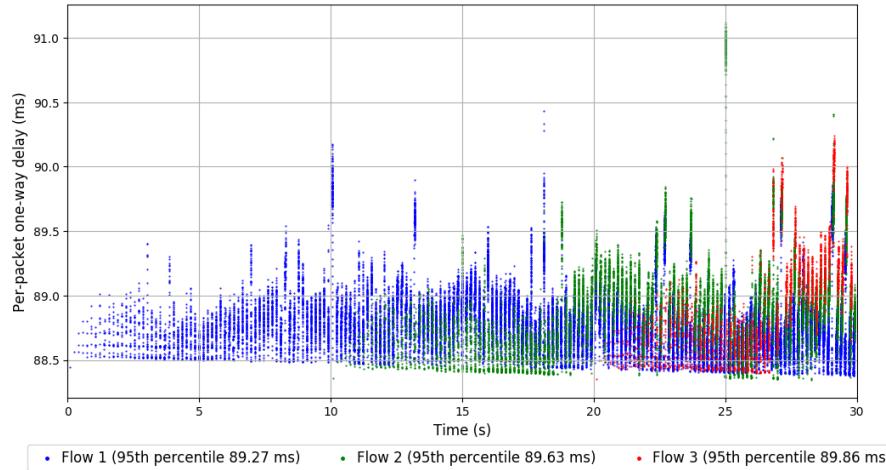
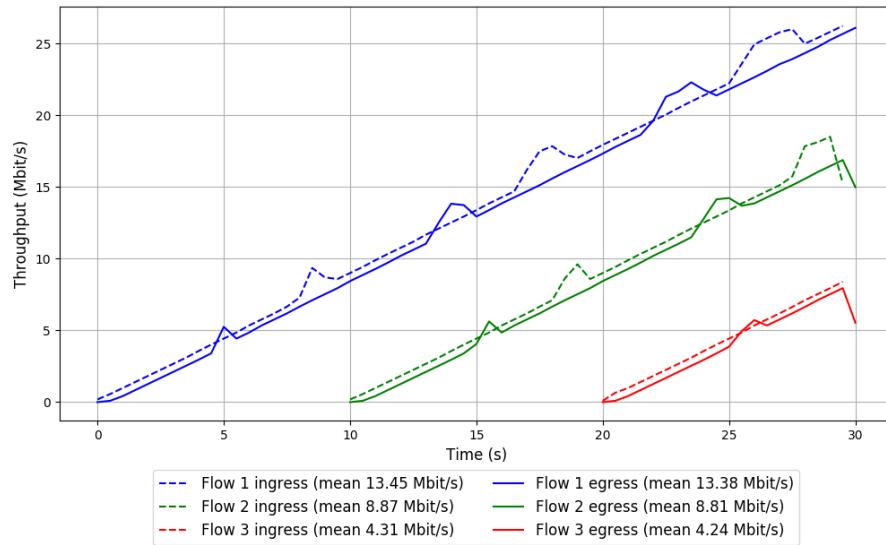


Run 5: Statistics of LEDBAT

```
Start at: 2019-09-19 00:58:38
End at: 2019-09-19 00:59:08
Local clock offset: -4.057 ms
Remote clock offset: -84.442 ms

# Below is generated by plot.py at 2019-09-19 01:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 89.446 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 89.269 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 89.633 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 89.861 ms
Loss rate: 3.37%
```

Run 5: Report of LEDBAT — Data Link

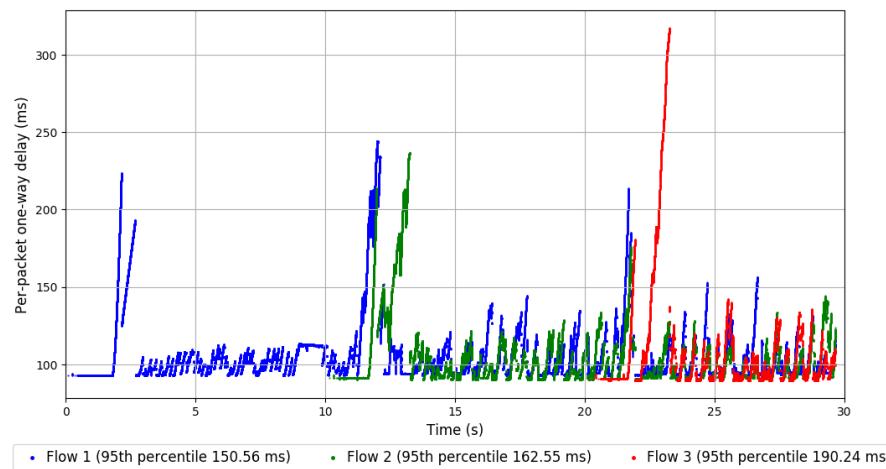
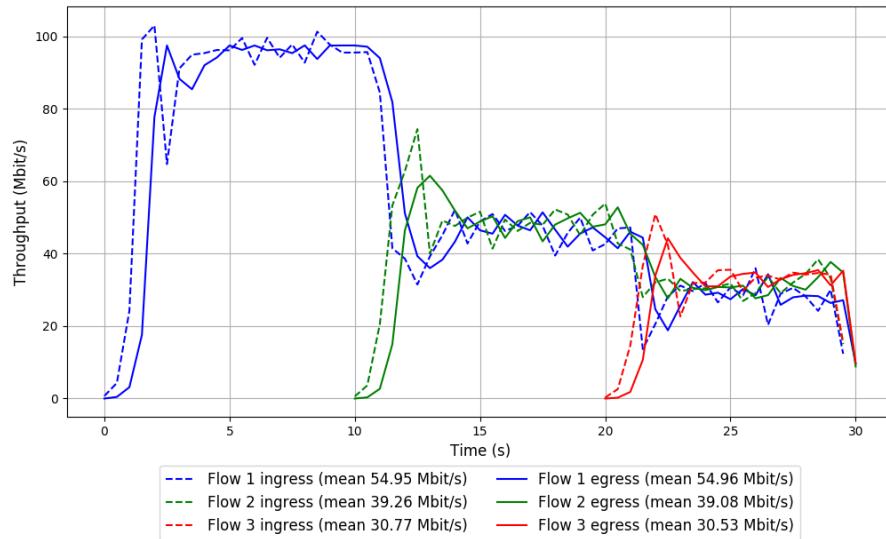


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 22:49:15
End at: 2019-09-18 22:49:45
Local clock offset: -18.031 ms
Remote clock offset: -59.135 ms

# Below is generated by plot.py at 2019-09-19 01:26:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 160.740 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 150.561 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 162.548 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 190.240 ms
Loss rate: 2.48%
```

Run 1: Report of Muses_DecisionTree — Data Link

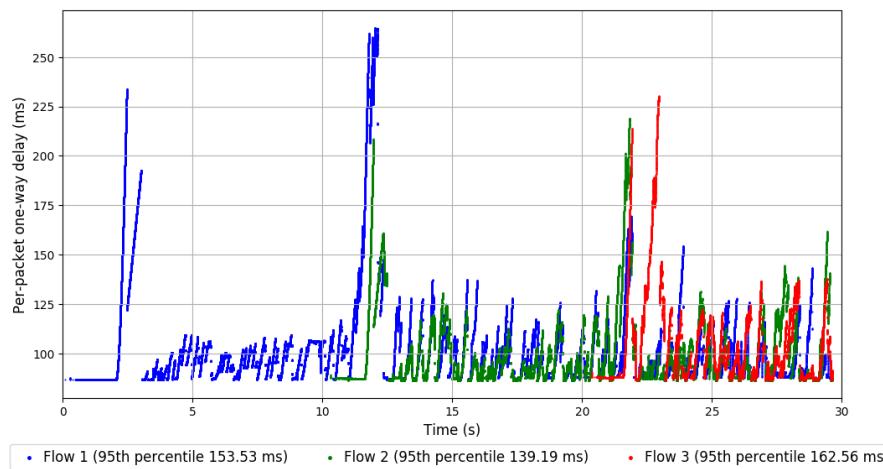
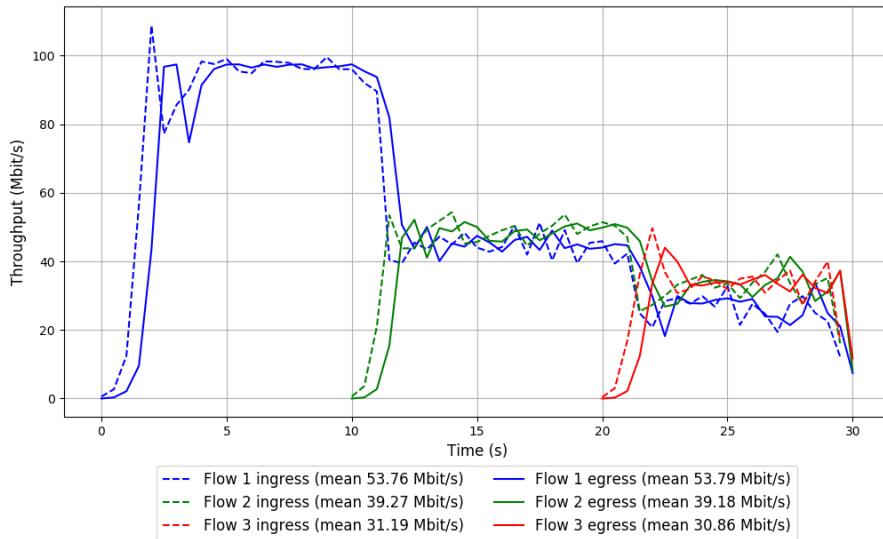


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 23:19:59
End at: 2019-09-18 23:20:29
Local clock offset: -29.251 ms
Remote clock offset: -62.997 ms

# Below is generated by plot.py at 2019-09-19 01:27:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 148.608 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 153.534 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 139.185 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 162.565 ms
Loss rate: 2.72%
```

Run 2: Report of Muses_DecisionTree — Data Link

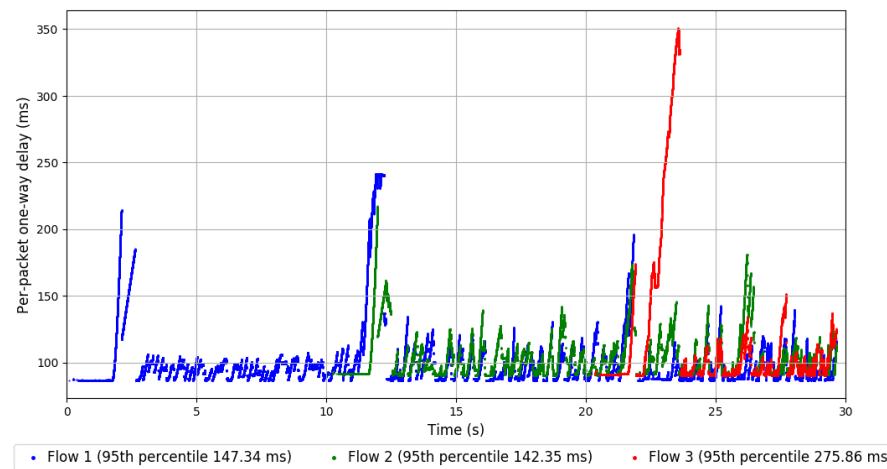
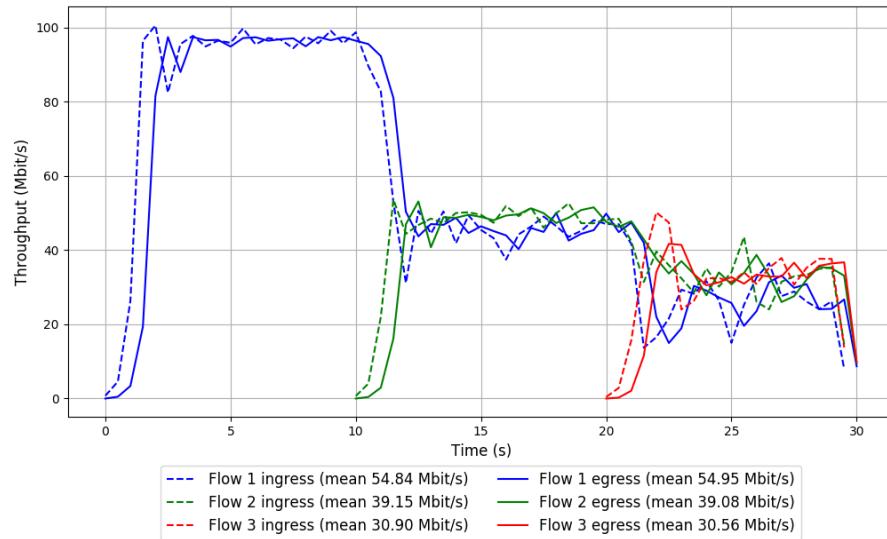


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 23:50:44
End at: 2019-09-18 23:51:14
Local clock offset: -0.864 ms
Remote clock offset: -69.911 ms

# Below is generated by plot.py at 2019-09-19 01:27:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 156.409 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 147.341 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 142.355 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 275.856 ms
Loss rate: 2.74%
```

Run 3: Report of Muses_DecisionTree — Data Link

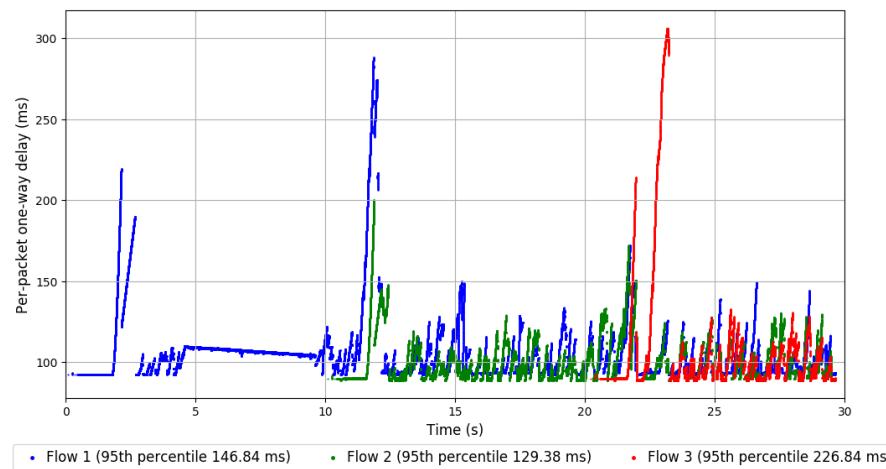
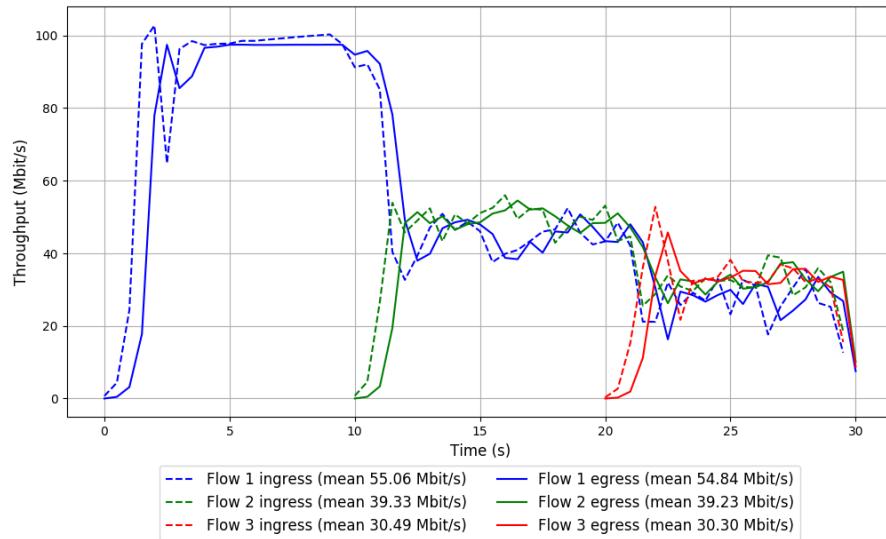


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-09-19 00:21:29
End at: 2019-09-19 00:21:59
Local clock offset: -4.396 ms
Remote clock offset: -76.564 ms

# Below is generated by plot.py at 2019-09-19 01:27:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 143.854 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 146.841 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 129.384 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 226.844 ms
Loss rate: 2.32%
```

Run 4: Report of Muses_DecisionTree — Data Link

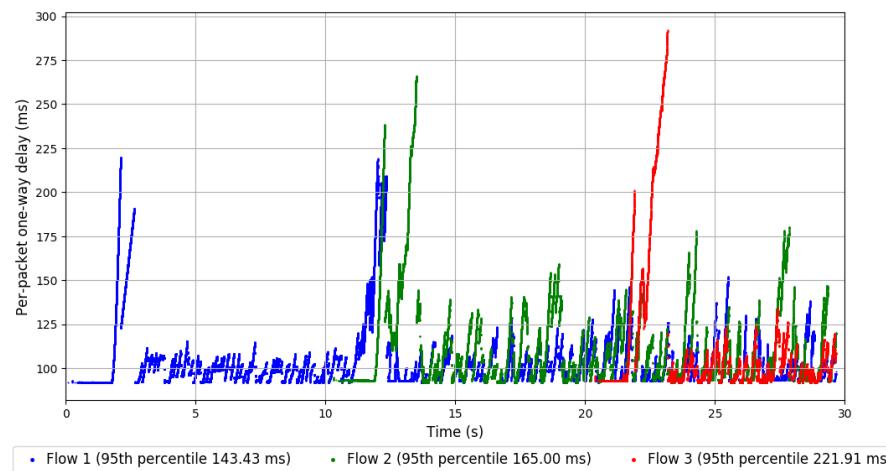
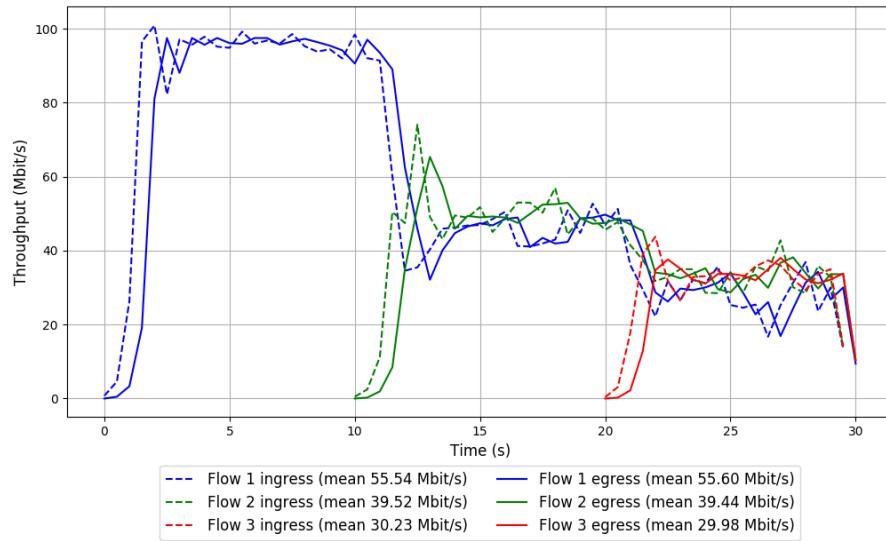


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-09-19 00:52:15
End at: 2019-09-19 00:52:45
Local clock offset: -3.771 ms
Remote clock offset: -86.602 ms

# Below is generated by plot.py at 2019-09-19 01:27:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 158.649 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 143.425 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 164.998 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 221.905 ms
Loss rate: 2.50%
```

Run 5: Report of Muses_DecisionTree — Data Link

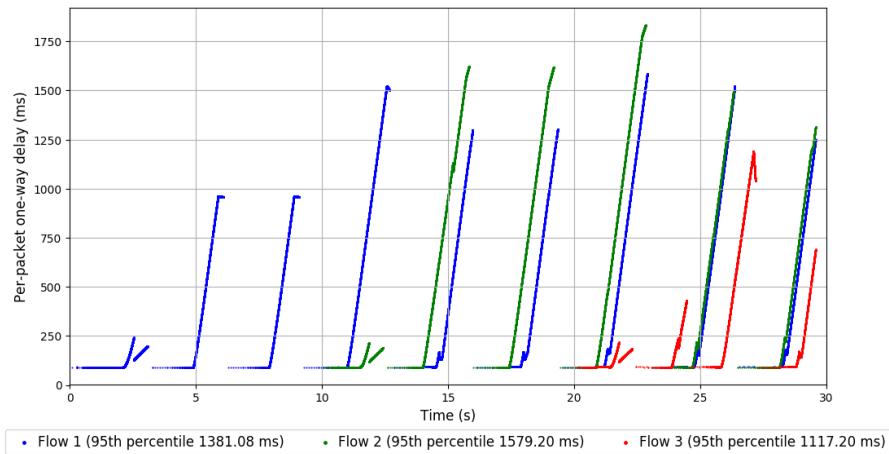
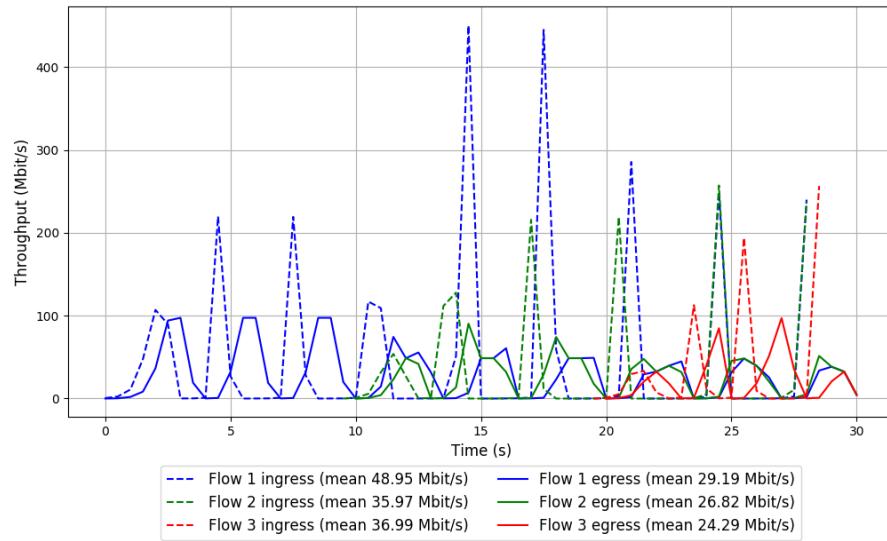


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 22:58:07
End at: 2019-09-18 22:58:37
Local clock offset: -21.942 ms
Remote clock offset: -58.034 ms

# Below is generated by plot.py at 2019-09-19 01:27:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 1454.466 ms
Loss rate: 32.09%
-- Flow 1:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 1381.077 ms
Loss rate: 37.97%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 1579.201 ms
Loss rate: 20.61%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1117.205 ms
Loss rate: 30.41%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

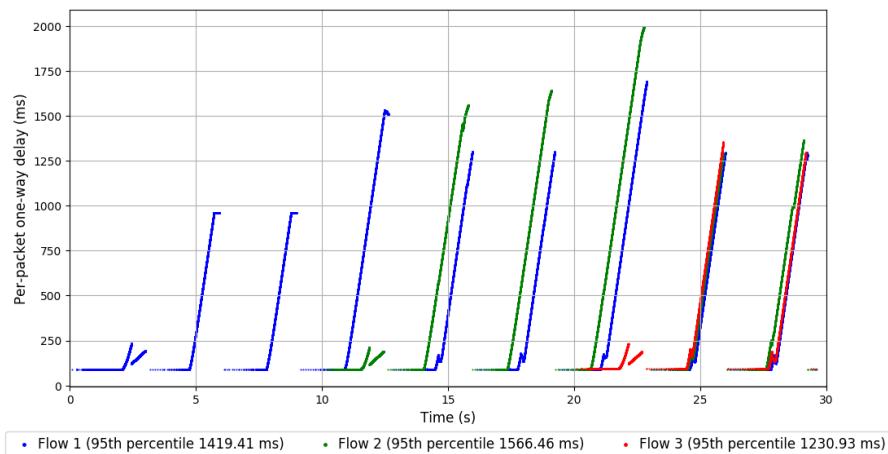
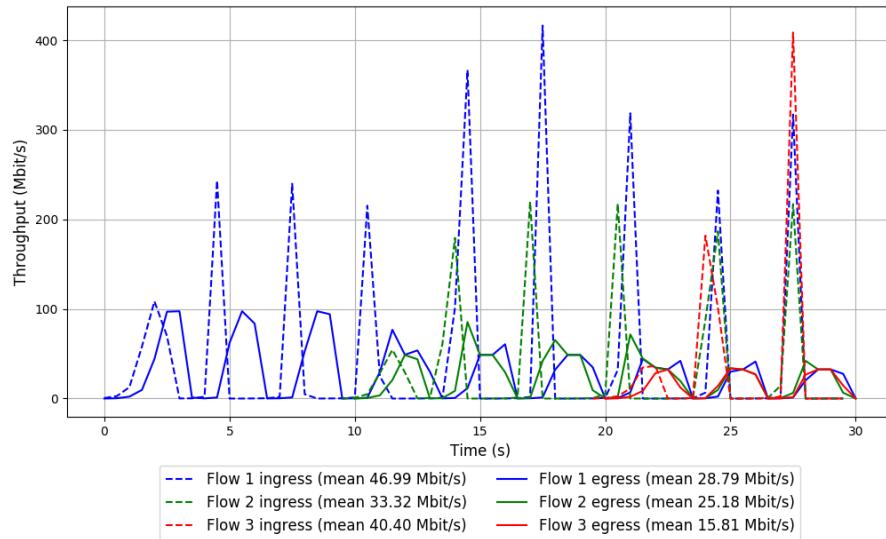


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 23:28:51
End at: 2019-09-18 23:29:21
Local clock offset: -30.889 ms
Remote clock offset: -67.153 ms

# Below is generated by plot.py at 2019-09-19 01:27:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 1490.470 ms
Loss rate: 38.84%
-- Flow 1:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 1419.412 ms
Loss rate: 38.92%
-- Flow 2:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 1566.462 ms
Loss rate: 25.06%
-- Flow 3:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 1230.932 ms
Loss rate: 61.63%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

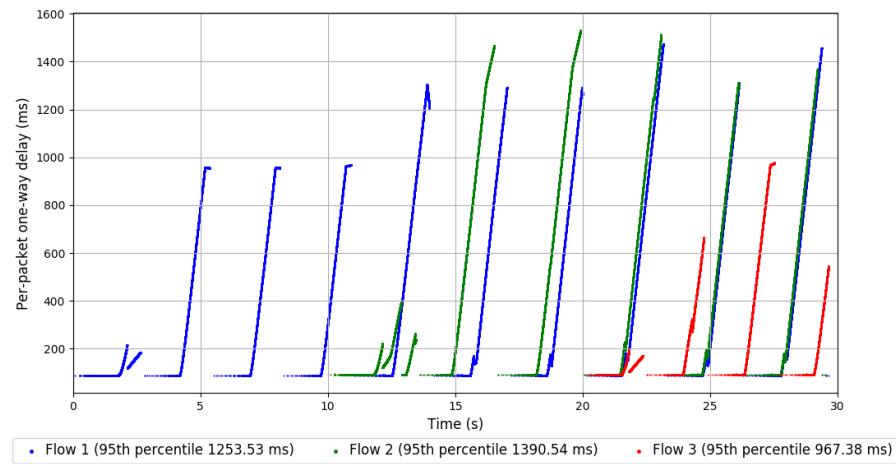
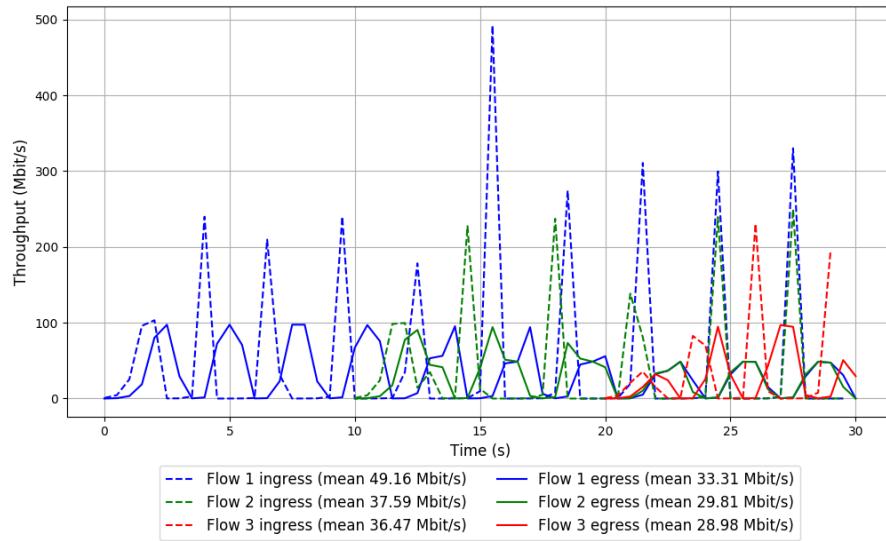


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 23:59:35
End at: 2019-09-19 00:00:05
Local clock offset: 3.278 ms
Remote clock offset: -71.107 ms

# Below is generated by plot.py at 2019-09-19 01:27:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 1276.896 ms
Loss rate: 27.45%
-- Flow 1:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 1253.525 ms
Loss rate: 32.63%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 1390.543 ms
Loss rate: 21.37%
-- Flow 3:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 967.383 ms
Loss rate: 18.35%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

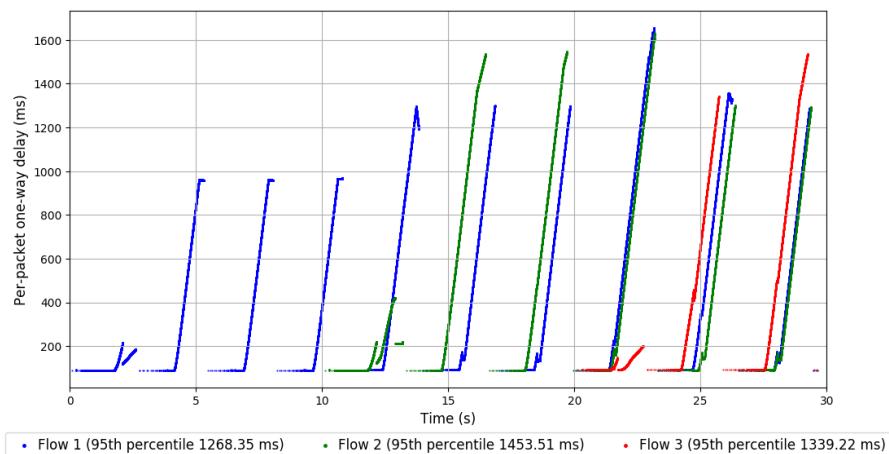
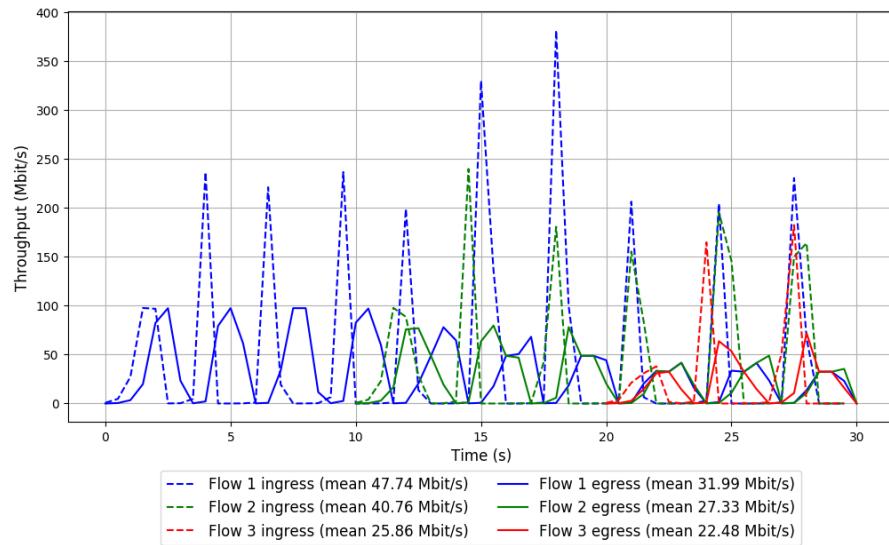


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-19 00:30:22
End at: 2019-09-19 00:30:52
Local clock offset: -4.164 ms
Remote clock offset: -79.925 ms

# Below is generated by plot.py at 2019-09-19 01:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 1335.706 ms
Loss rate: 31.51%
-- Flow 1:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 1268.352 ms
Loss rate: 33.36%
-- Flow 2:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 1453.512 ms
Loss rate: 33.51%
-- Flow 3:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 1339.219 ms
Loss rate: 14.54%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

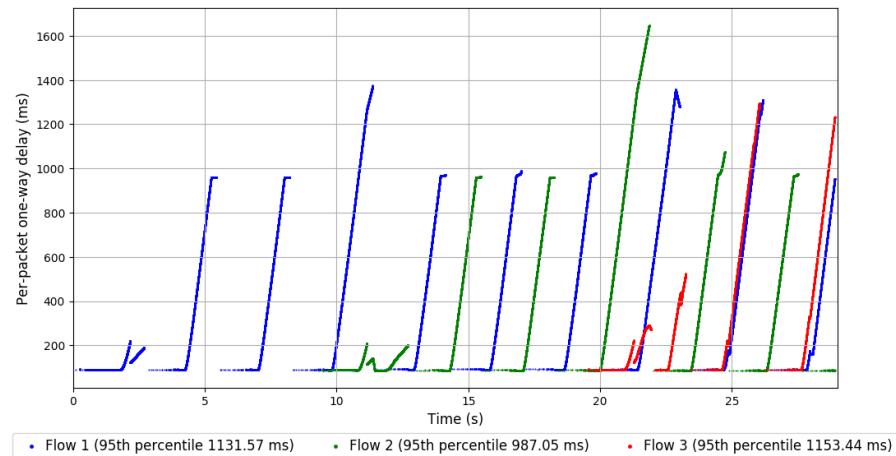
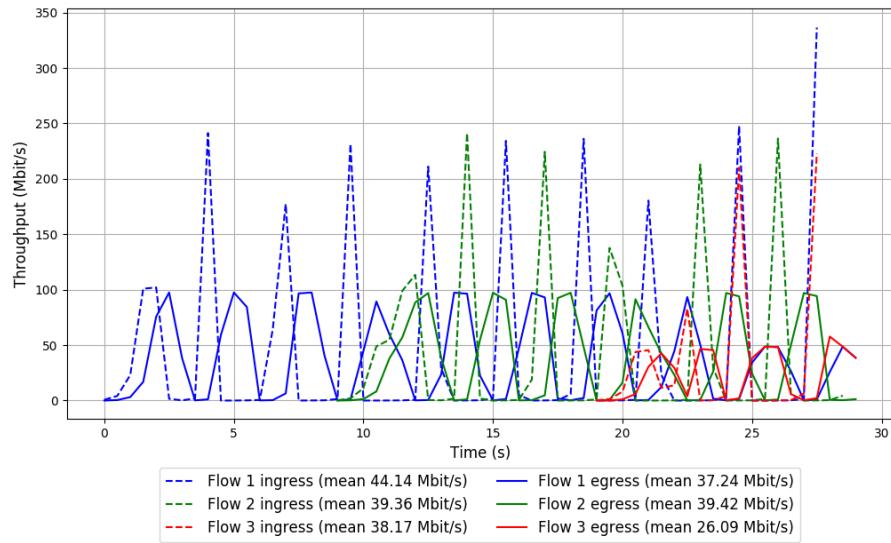


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-19 01:01:12
End at: 2019-09-19 01:01:42
Local clock offset: -2.614 ms
Remote clock offset: -85.019 ms

# Below is generated by plot.py at 2019-09-19 01:27:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.62 Mbit/s
95th percentile per-packet one-way delay: 1098.122 ms
Loss rate: 10.46%
-- Flow 1:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 1131.573 ms
Loss rate: 13.09%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 987.047 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 1153.438 ms
Loss rate: 23.87%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

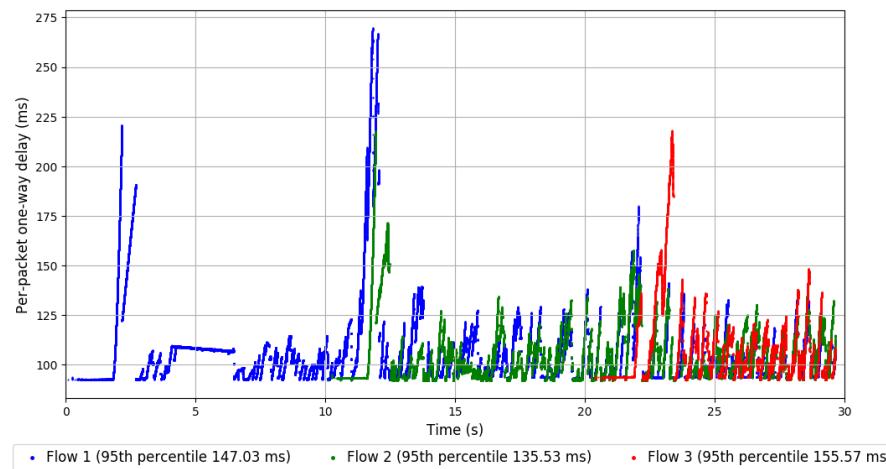
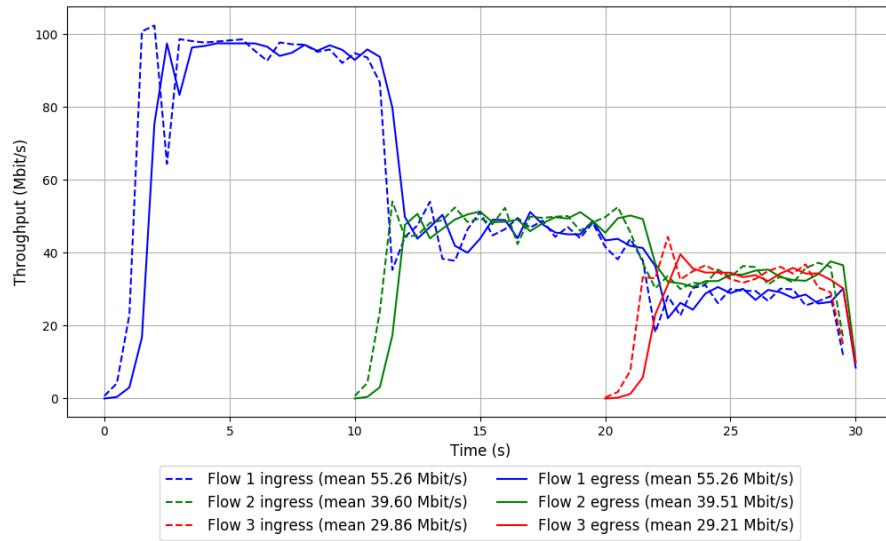


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 23:01:59
End at: 2019-09-18 23:02:29
Local clock offset: -23.199 ms
Remote clock offset: -60.965 ms

# Below is generated by plot.py at 2019-09-19 01:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 144.640 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 147.026 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 135.527 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 155.568 ms
Loss rate: 3.81%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

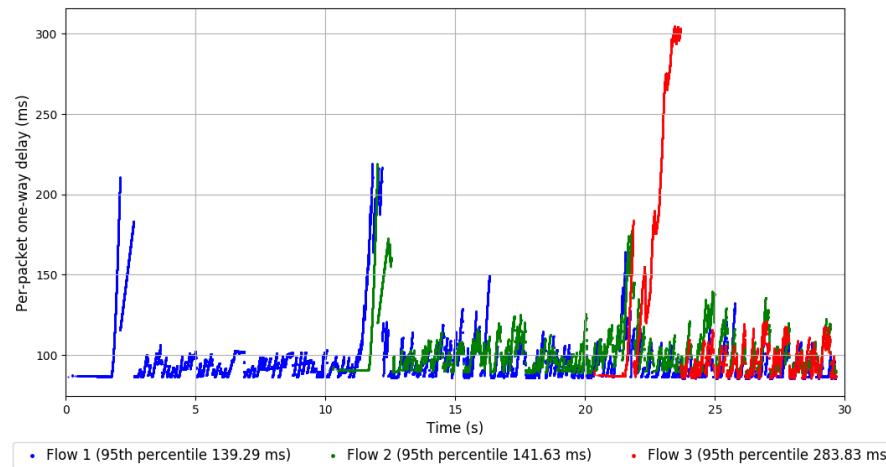
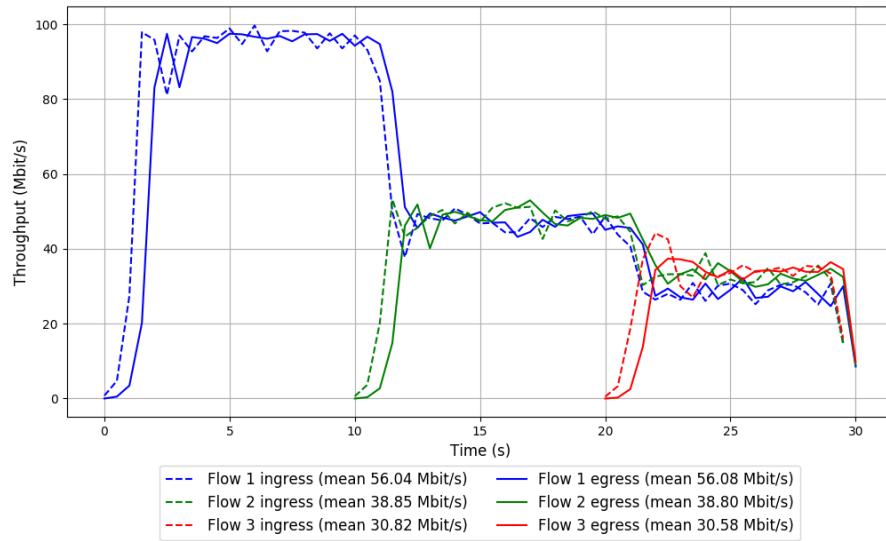


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 23:32:44
End at: 2019-09-18 23:33:14
Local clock offset: -24.219 ms
Remote clock offset: -66.292 ms

# Below is generated by plot.py at 2019-09-19 01:28:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 153.391 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 56.08 Mbit/s
95th percentile per-packet one-way delay: 139.295 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 141.632 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 283.834 ms
Loss rate: 2.40%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

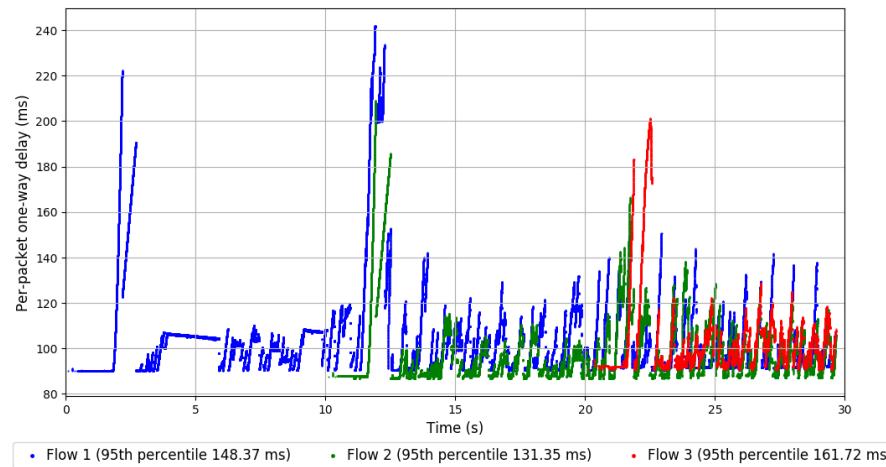
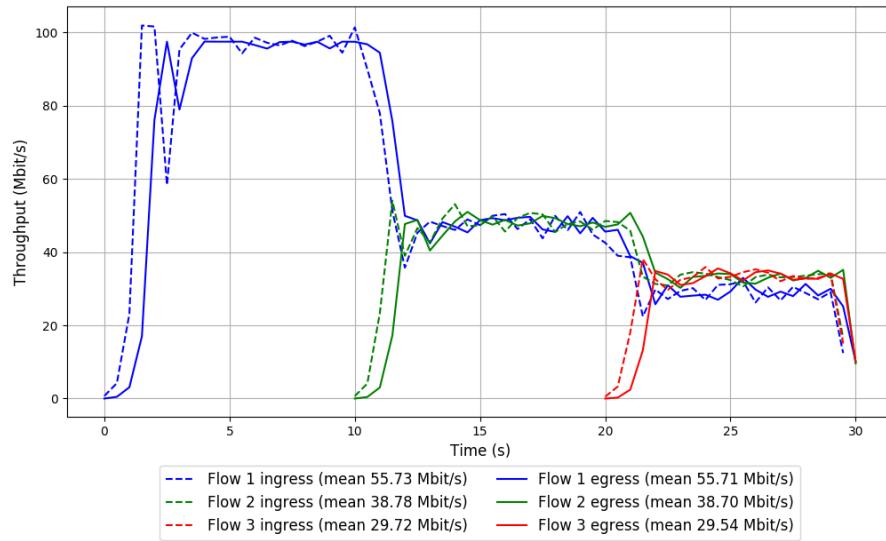


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-19 00:03:29
End at: 2019-09-19 00:03:59
Local clock offset: 0.564 ms
Remote clock offset: -71.42 ms

# Below is generated by plot.py at 2019-09-19 01:28:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: 143.496 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 148.368 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 131.354 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 161.721 ms
Loss rate: 2.30%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

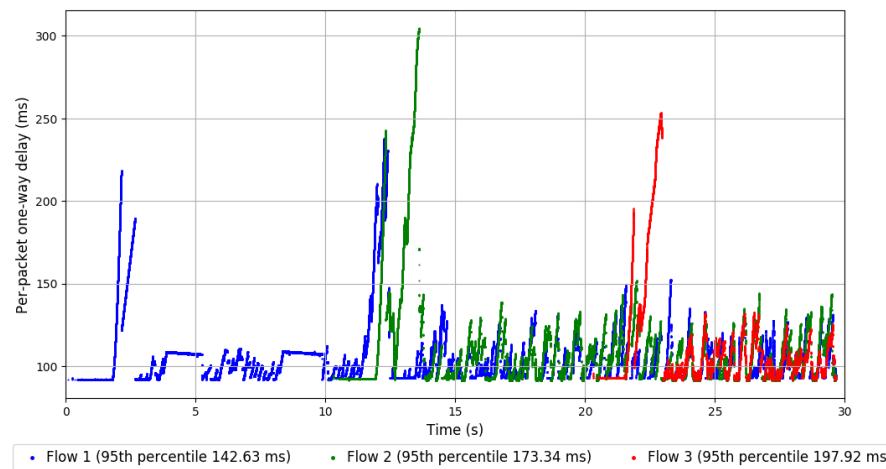
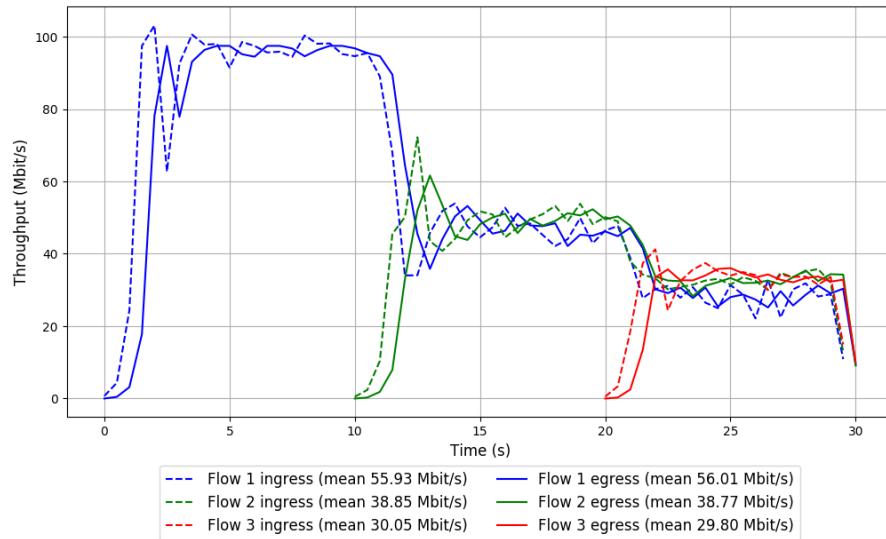


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-19 00:34:15
End at: 2019-09-19 00:34:45
Local clock offset: -5.085 ms
Remote clock offset: -79.56 ms

# Below is generated by plot.py at 2019-09-19 01:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 153.795 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 142.632 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 173.345 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 197.921 ms
Loss rate: 2.53%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

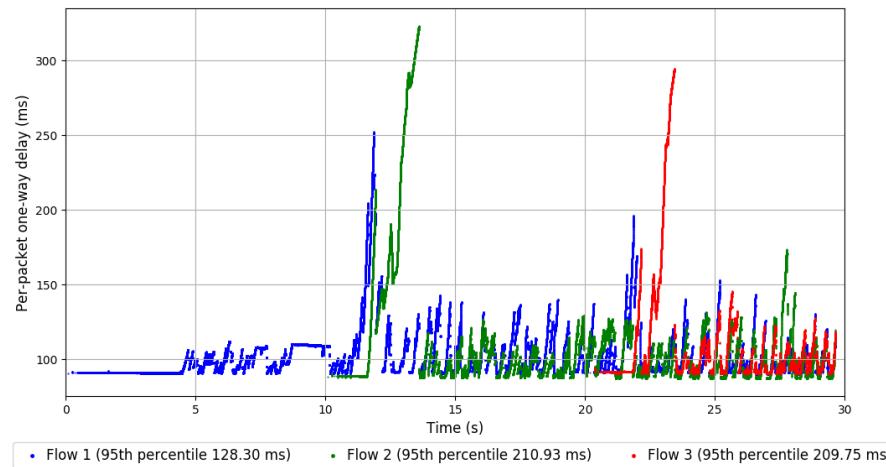
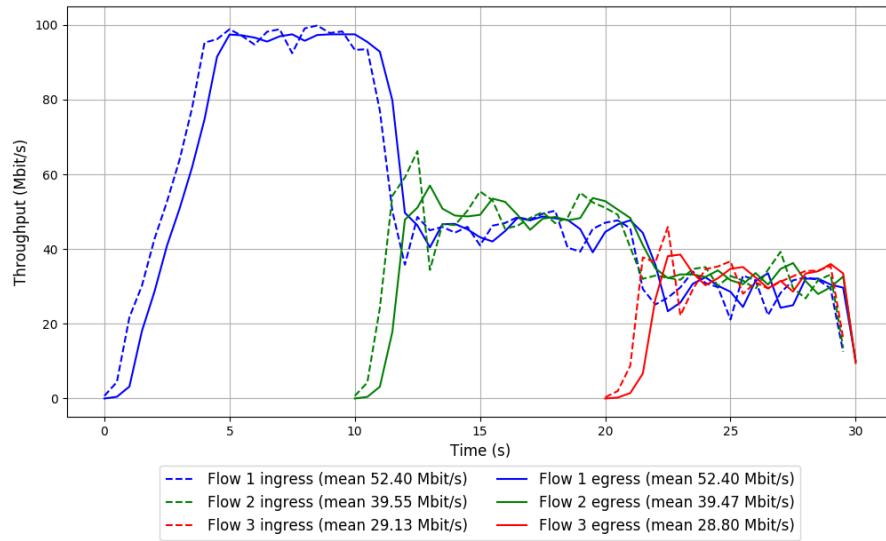


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-19 01:05:05
End at: 2019-09-19 01:05:35
Local clock offset: 4.809 ms
Remote clock offset: -85.21 ms

# Below is generated by plot.py at 2019-09-19 01:28:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 149.069 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 128.302 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 210.932 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 209.755 ms
Loss rate: 2.83%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

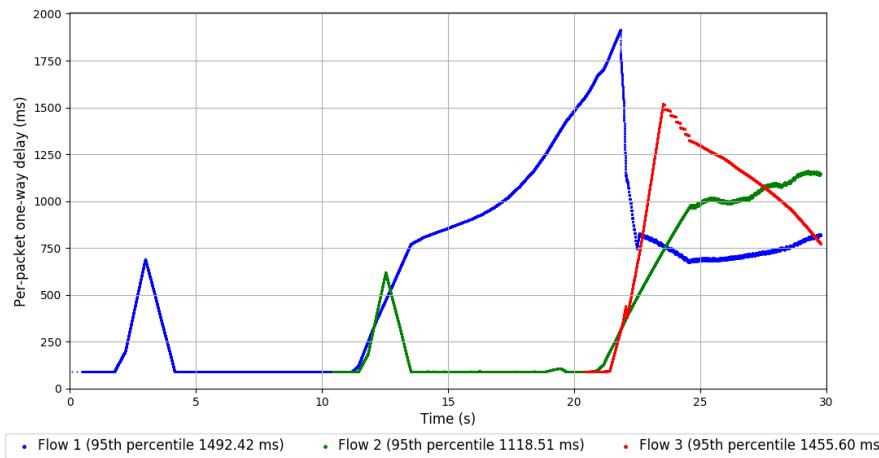
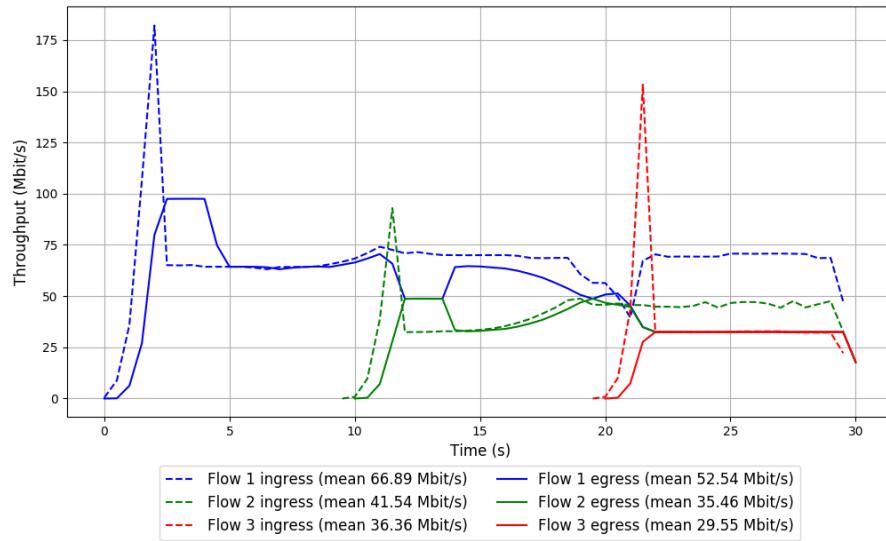


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-09-18 23:00:43
End at: 2019-09-18 23:01:13
Local clock offset: -22.784 ms
Remote clock offset: -59.936 ms

# Below is generated by plot.py at 2019-09-19 01:28:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 1412.777 ms
Loss rate: 19.98%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 1492.417 ms
Loss rate: 21.88%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 1118.513 ms
Loss rate: 15.32%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 1455.600 ms
Loss rate: 20.09%
```

Run 1: Report of PCC-Allegro — Data Link

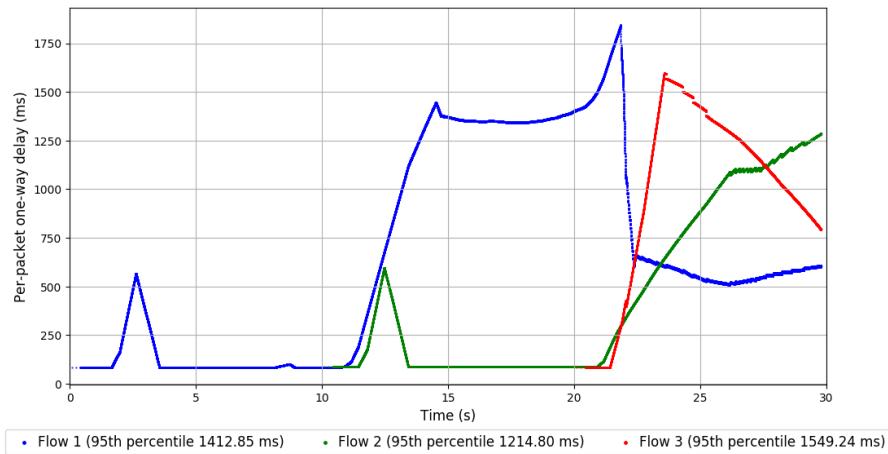
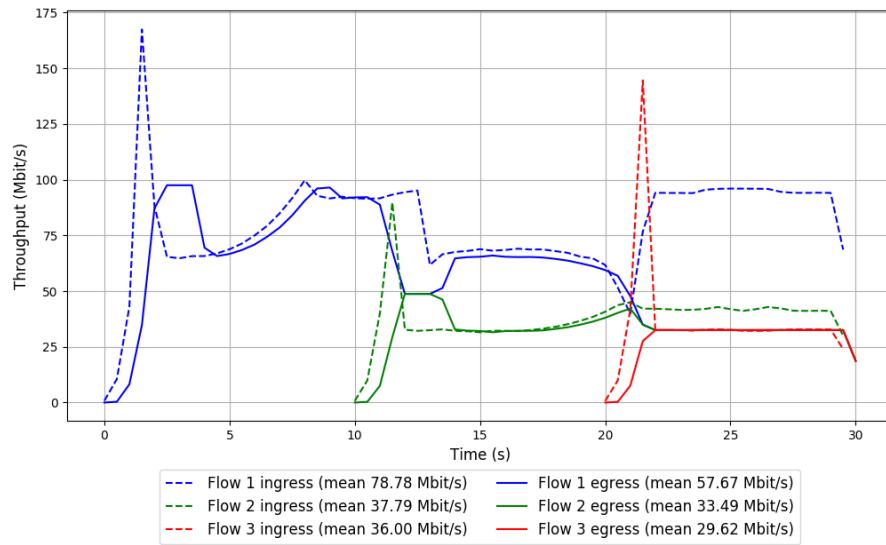


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-09-18 23:31:28
End at: 2019-09-18 23:31:58
Local clock offset: -28.947 ms
Remote clock offset: -65.083 ms

# Below is generated by plot.py at 2019-09-19 01:28:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 1417.694 ms
Loss rate: 23.08%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 1412.853 ms
Loss rate: 27.18%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 1214.801 ms
Loss rate: 12.10%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 1549.236 ms
Loss rate: 19.04%
```

Run 2: Report of PCC-Allegro — Data Link

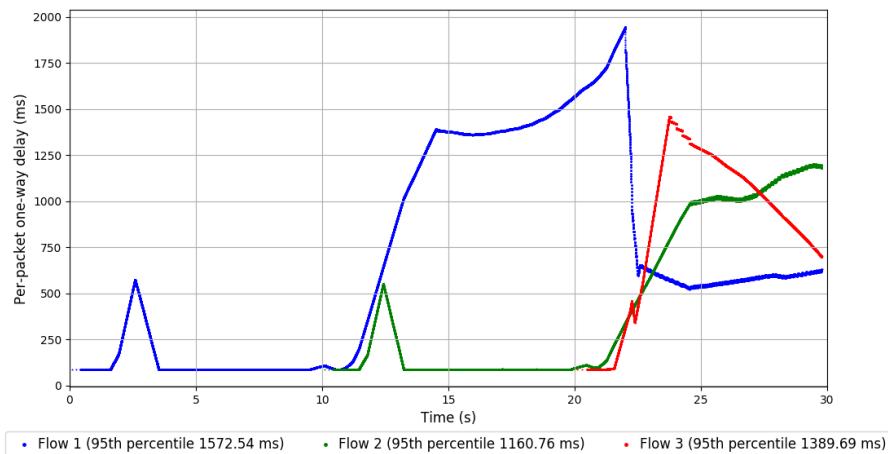
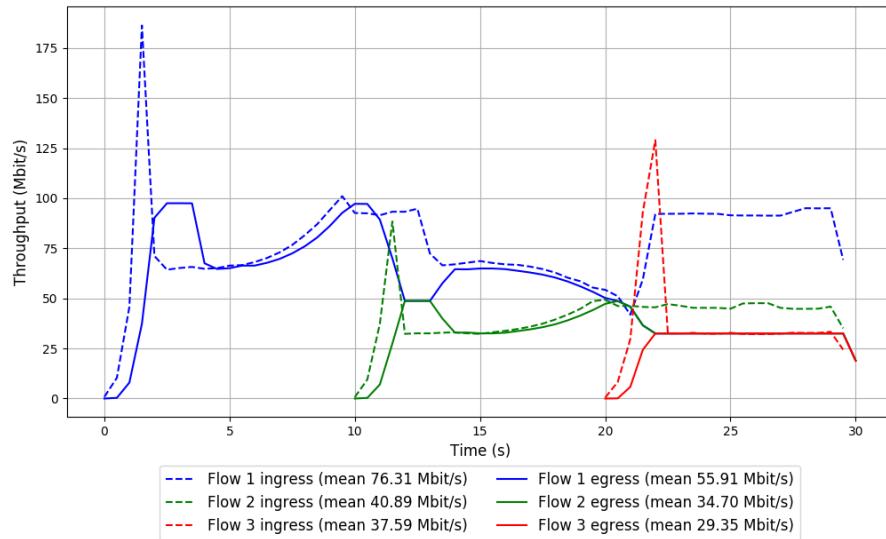


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-09-19 00:02:12
End at: 2019-09-19 00:02:42
Local clock offset: 1.722 ms
Remote clock offset: -71.488 ms

# Below is generated by plot.py at 2019-09-19 01:29:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 1474.975 ms
Loss rate: 24.05%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 1572.543 ms
Loss rate: 27.12%
-- Flow 2:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 1160.762 ms
Loss rate: 15.81%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 1389.692 ms
Loss rate: 23.19%
```

Run 3: Report of PCC-Allegro — Data Link

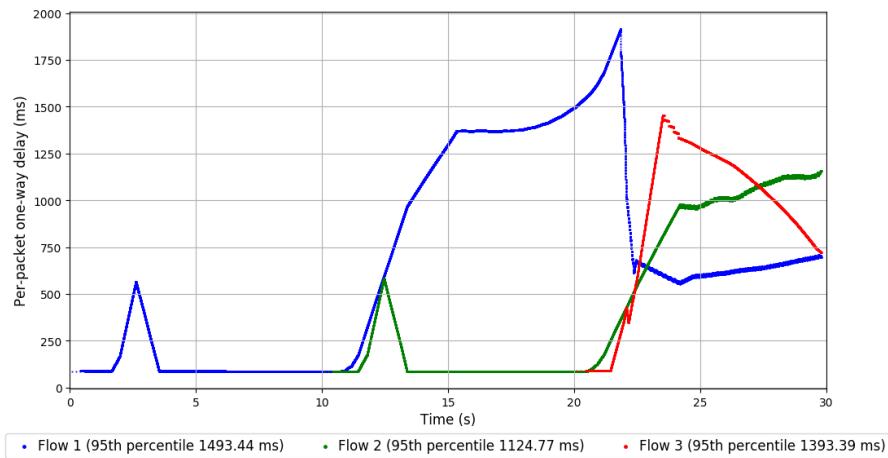
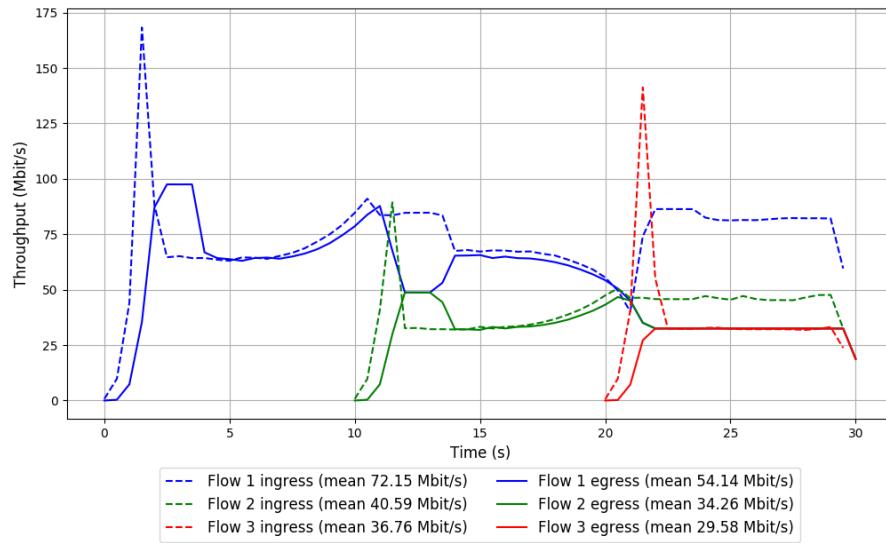


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-09-19 00:32:58
End at: 2019-09-19 00:33:28
Local clock offset: -5.037 ms
Remote clock offset: -78.48 ms

# Below is generated by plot.py at 2019-09-19 01:29:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 1430.341 ms
Loss rate: 22.67%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 1493.443 ms
Loss rate: 25.37%
-- Flow 2:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 1124.770 ms
Loss rate: 16.29%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 1393.387 ms
Loss rate: 20.83%
```

Run 4: Report of PCC-Allegro — Data Link

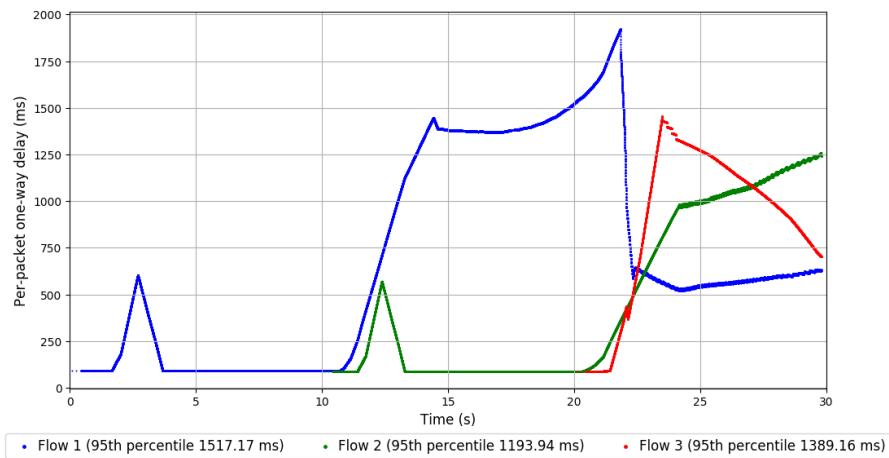
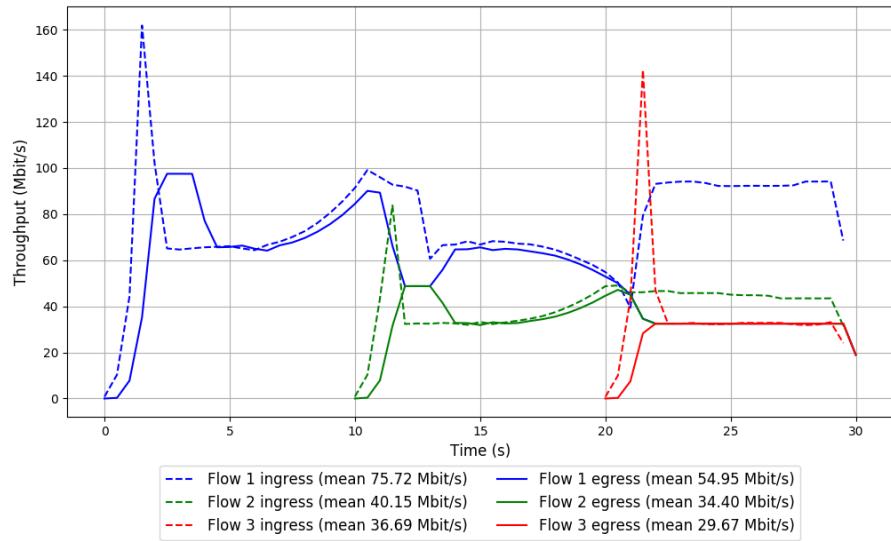


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-09-19 01:03:49
End at: 2019-09-19 01:04:19
Local clock offset: 3.122 ms
Remote clock offset: -86.489 ms

# Below is generated by plot.py at 2019-09-19 01:29:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 1443.773 ms
Loss rate: 24.06%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 1517.167 ms
Loss rate: 27.83%
-- Flow 2:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 1193.943 ms
Loss rate: 15.02%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 1389.160 ms
Loss rate: 20.46%
```

Run 5: Report of PCC-Allegro — Data Link

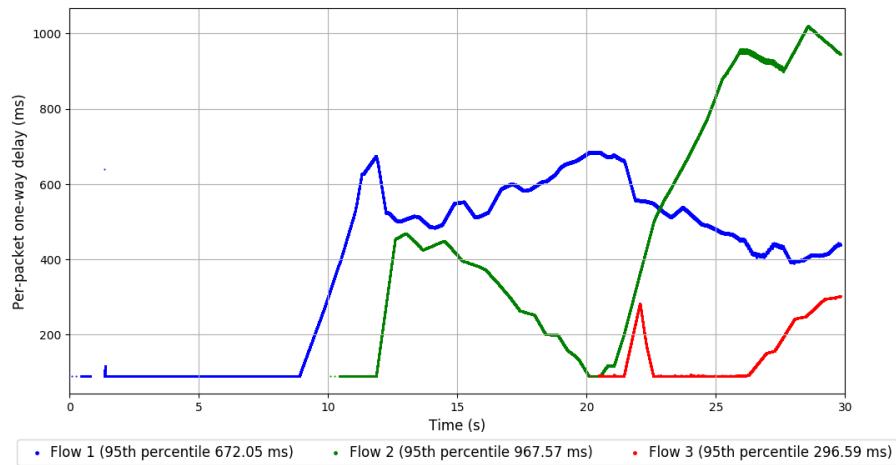
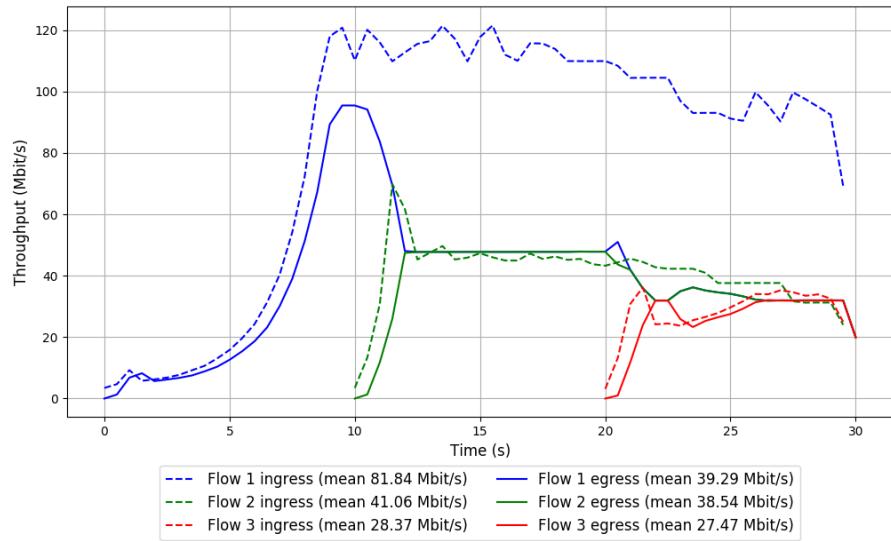


Run 1: Statistics of PCC-Expr

```
Start at: 2019-09-18 22:42:44
End at: 2019-09-18 22:43:14
Local clock offset: -14.536 ms
Remote clock offset: -57.817 ms

# Below is generated by plot.py at 2019-09-19 01:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.83 Mbit/s
95th percentile per-packet one-way delay: 918.512 ms
Loss rate: 38.04%
-- Flow 1:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 672.054 ms
Loss rate: 52.24%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 967.565 ms
Loss rate: 6.89%
-- Flow 3:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 296.593 ms
Loss rate: 4.77%
```

Run 1: Report of PCC-Expr — Data Link

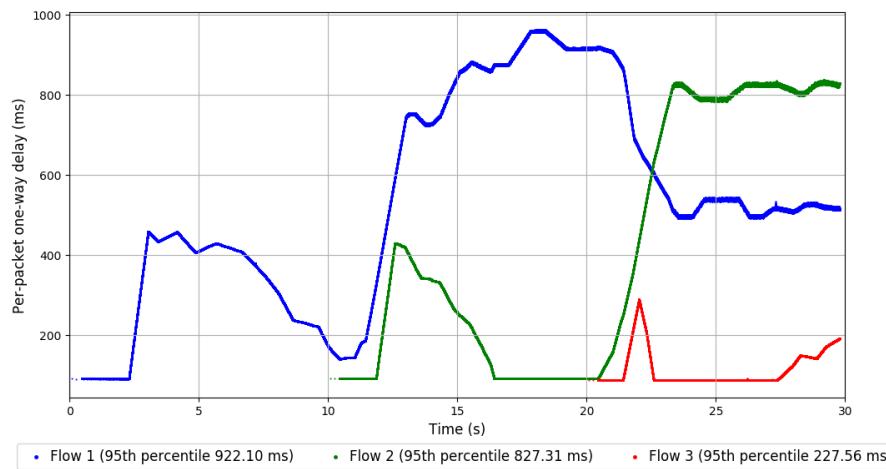
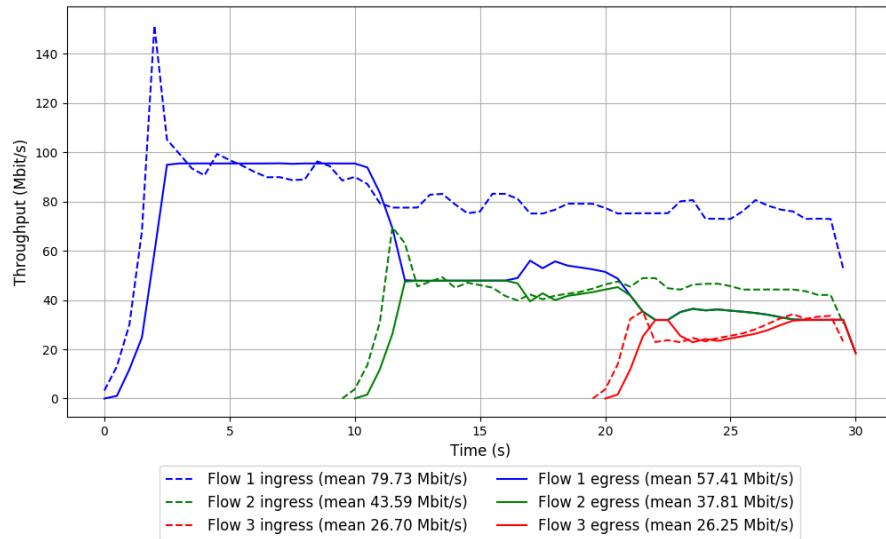


Run 2: Statistics of PCC-Expr

```
Start at: 2019-09-18 23:13:27
End at: 2019-09-18 23:13:57
Local clock offset: -26.651 ms
Remote clock offset: -61.142 ms

# Below is generated by plot.py at 2019-09-19 01:30:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: 915.359 ms
Loss rate: 22.95%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 922.101 ms
Loss rate: 28.38%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 827.313 ms
Loss rate: 13.99%
-- Flow 3:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 227.561 ms
Loss rate: 3.29%
```

Run 2: Report of PCC-Expr — Data Link

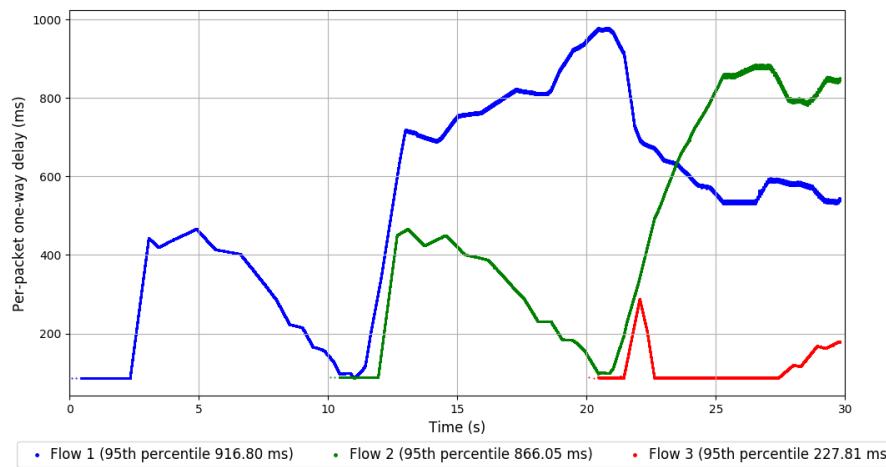
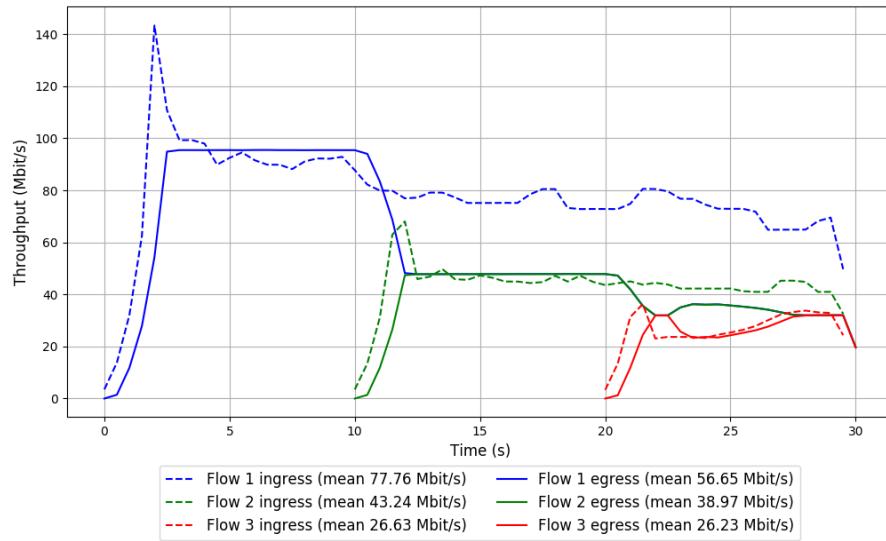


Run 3: Statistics of PCC-Expr

```
Start at: 2019-09-18 23:44:13
End at: 2019-09-18 23:44:43
Local clock offset: -4.994 ms
Remote clock offset: -68.123 ms

# Below is generated by plot.py at 2019-09-19 01:30:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 873.179 ms
Loss rate: 21.46%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 916.799 ms
Loss rate: 27.54%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 866.047 ms
Loss rate: 10.61%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 227.812 ms
Loss rate: 3.12%
```

Run 3: Report of PCC-Expr — Data Link

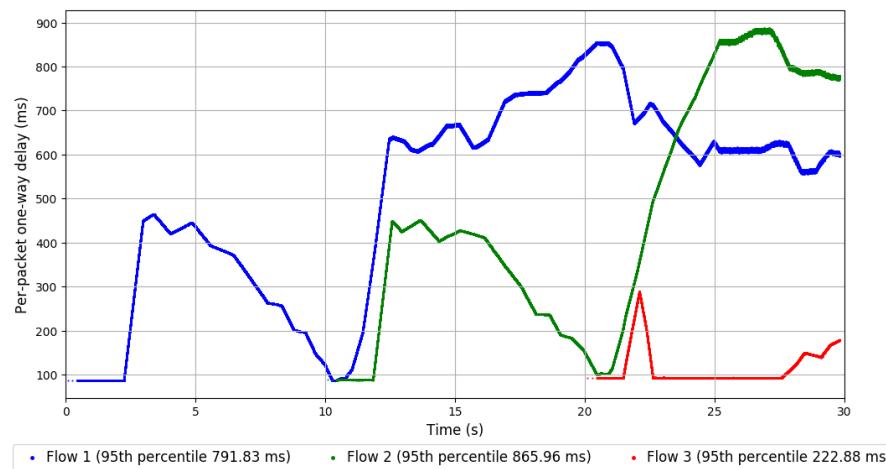
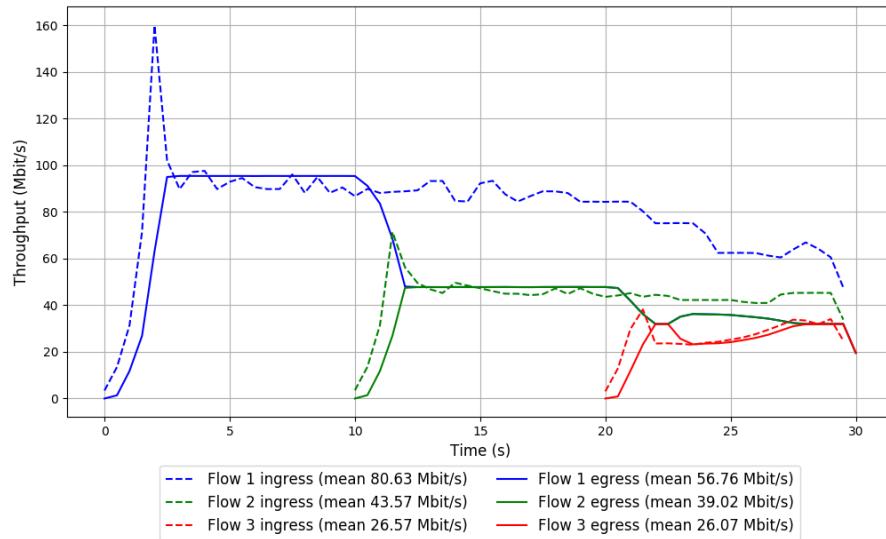


Run 4: Statistics of PCC-Expr

```
Start at: 2019-09-19 00:14:57
End at: 2019-09-19 00:15:27
Local clock offset: -3.845 ms
Remote clock offset: -73.73 ms

# Below is generated by plot.py at 2019-09-19 01:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 827.595 ms
Loss rate: 23.42%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 791.832 ms
Loss rate: 29.99%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 865.960 ms
Loss rate: 11.17%
-- Flow 3:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 222.877 ms
Loss rate: 3.50%
```

Run 4: Report of PCC-Expr — Data Link

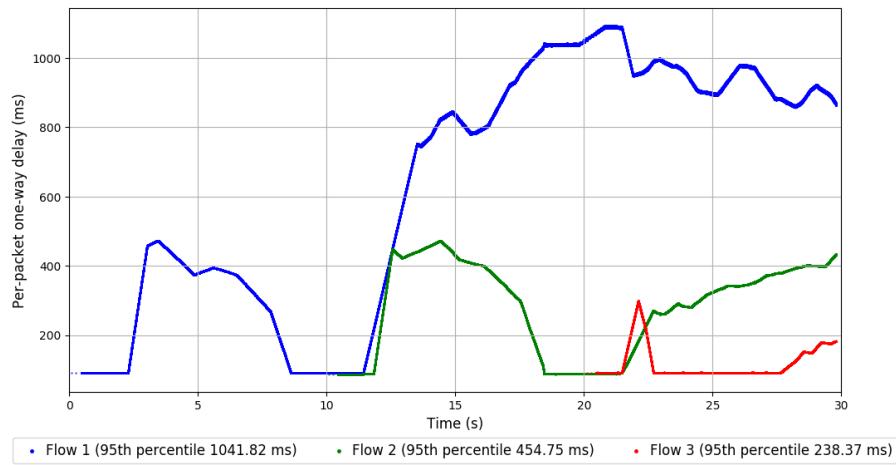
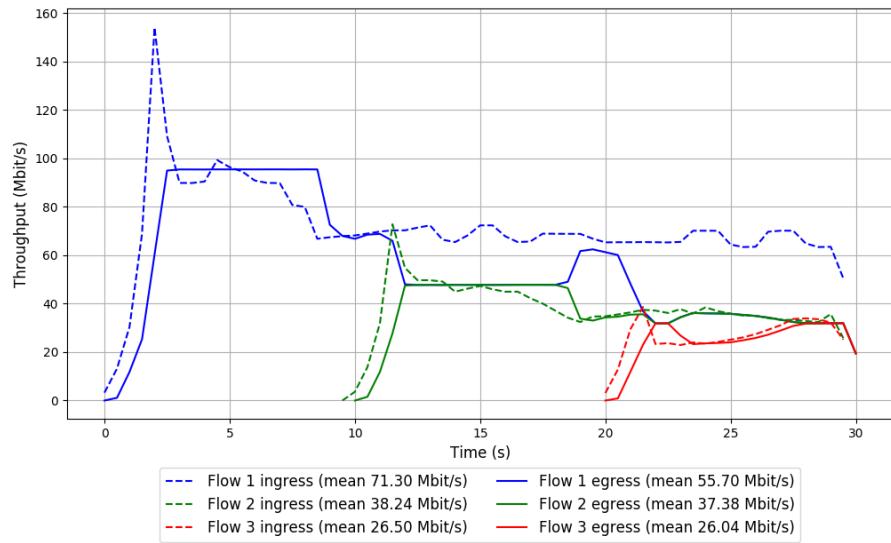


Run 5: Statistics of PCC-Expr

```
Start at: 2019-09-19 00:45:44
End at: 2019-09-19 00:46:14
Local clock offset: -4.113 ms
Remote clock offset: -80.037 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 1038.073 ms
Loss rate: 16.10%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 1041.816 ms
Loss rate: 22.32%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 454.755 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 238.369 ms
Loss rate: 3.38%
```

Run 5: Report of PCC-Expr — Data Link

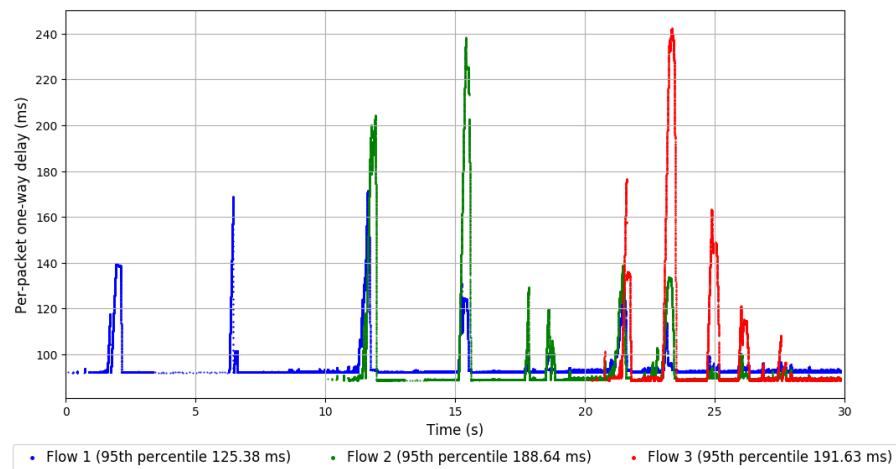
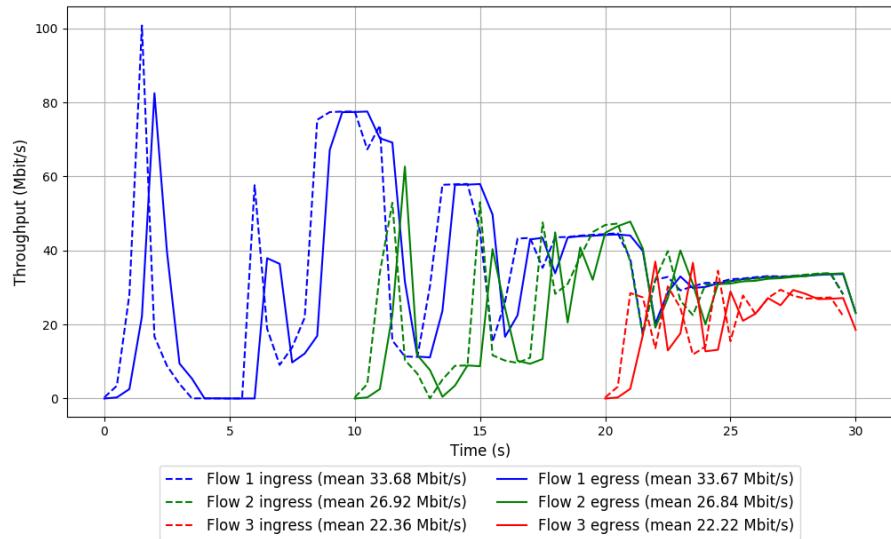


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-09-18 22:51:48
End at: 2019-09-18 22:52:18
Local clock offset: -19.297 ms
Remote clock offset: -58.889 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 139.192 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 125.375 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 188.644 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 191.633 ms
Loss rate: 2.24%
```

Run 1: Report of QUIC Cubic — Data Link

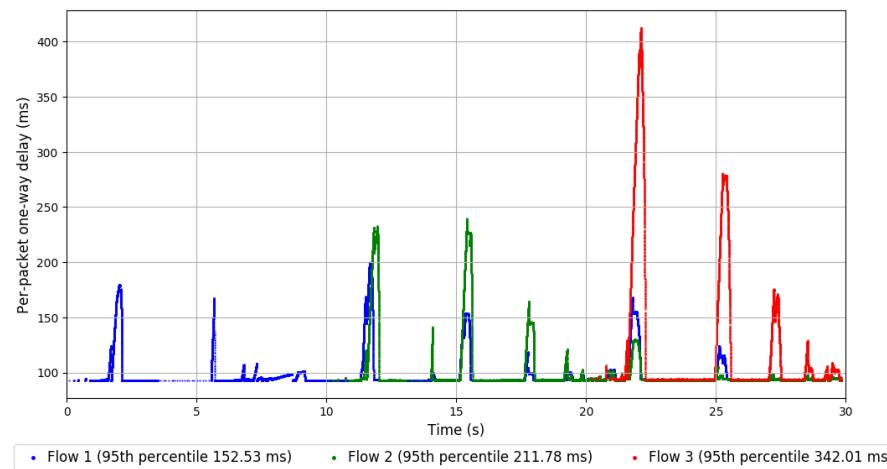
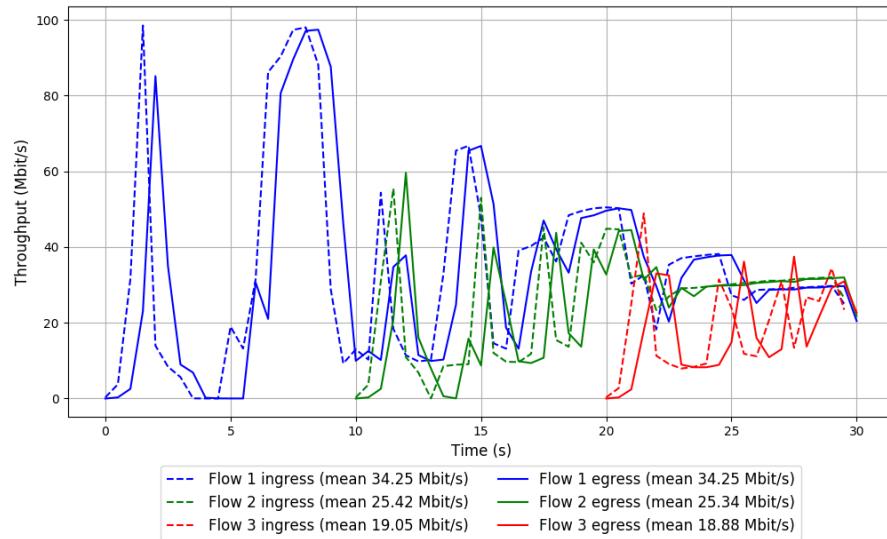


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-09-18 23:22:32
End at: 2019-09-18 23:23:02
Local clock offset: -29.114 ms
Remote clock offset: -65.682 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 178.080 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 152.534 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 211.777 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 342.010 ms
Loss rate: 2.51%
```

Run 2: Report of QUIC Cubic — Data Link

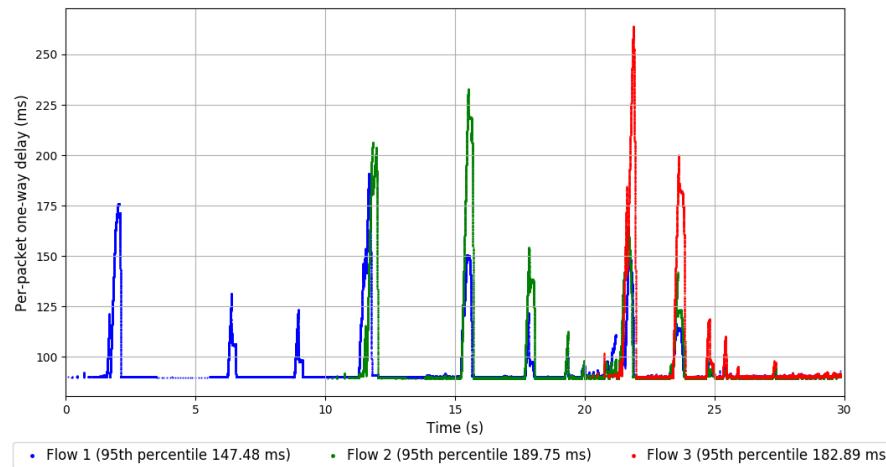
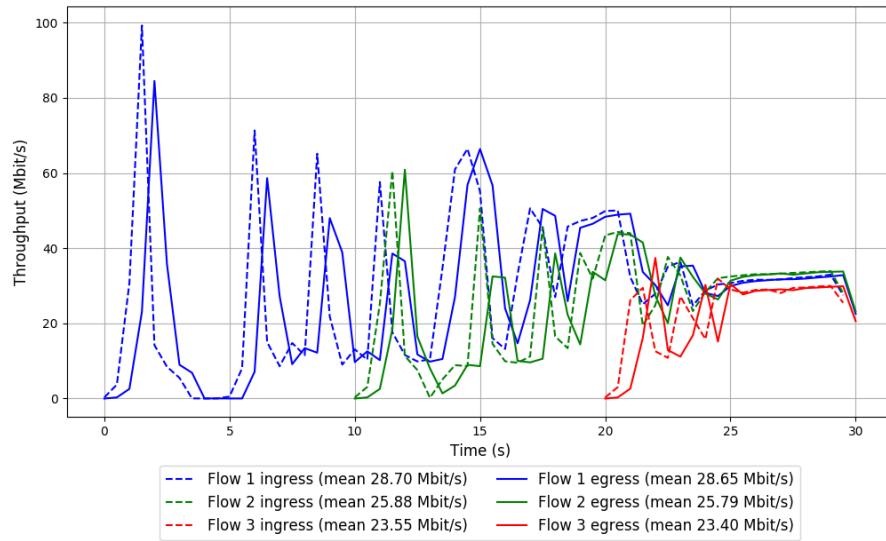


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-09-18 23:53:17
End at: 2019-09-18 23:53:47
Local clock offset: 0.494 ms
Remote clock offset: -69.471 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 165.443 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 147.477 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 189.753 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 182.892 ms
Loss rate: 2.28%
```

Run 3: Report of QUIC Cubic — Data Link

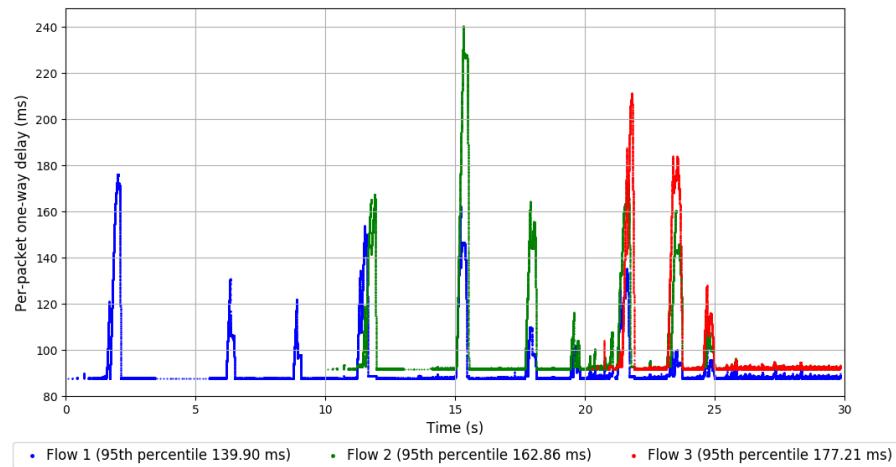
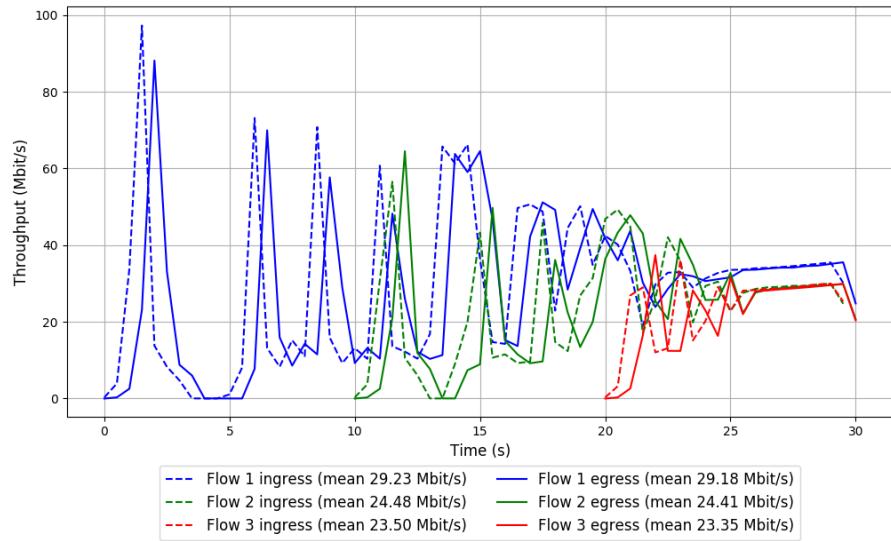


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-09-19 00:24:02
End at: 2019-09-19 00:24:32
Local clock offset: -5.146 ms
Remote clock offset: -77.37 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 157.650 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 139.898 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 162.863 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 177.208 ms
Loss rate: 2.32%
```

Run 4: Report of QUIC Cubic — Data Link

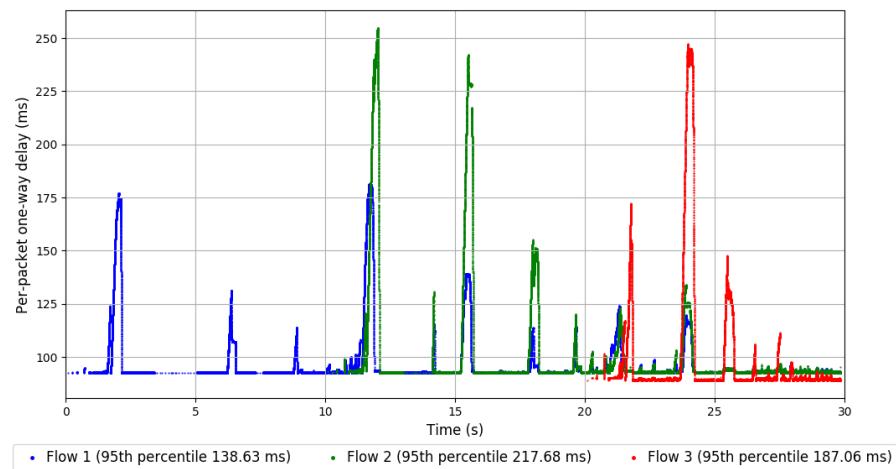
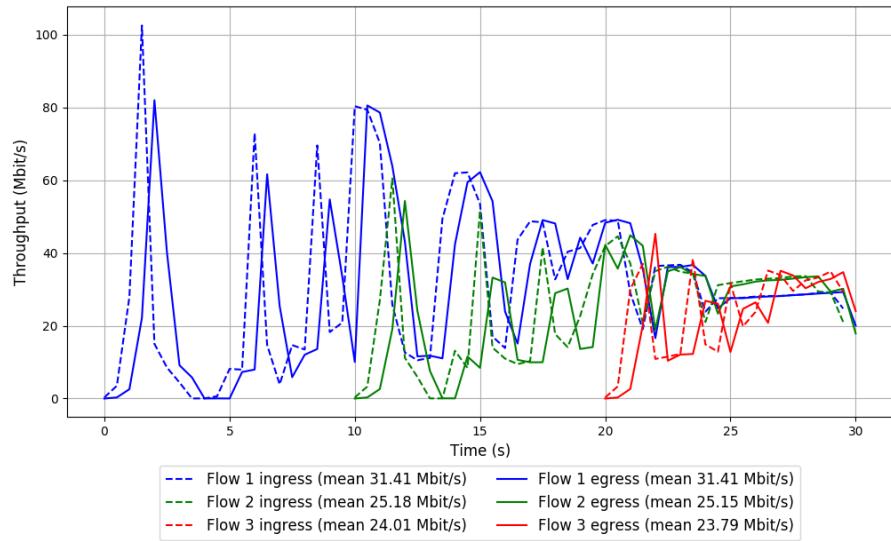


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-09-19 00:54:48
End at: 2019-09-19 00:55:18
Local clock offset: -3.56 ms
Remote clock offset: -83.506 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 164.949 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 138.635 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 217.677 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 187.058 ms
Loss rate: 2.51%
```

Run 5: Report of QUIC Cubic — Data Link

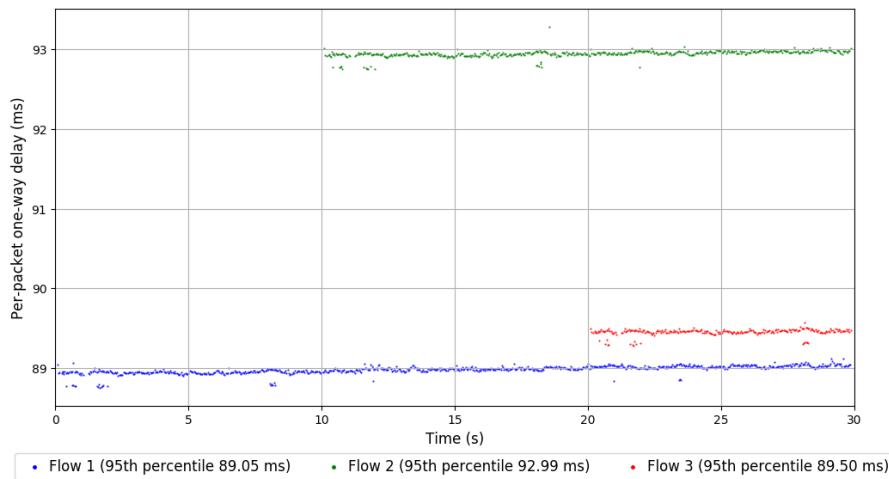
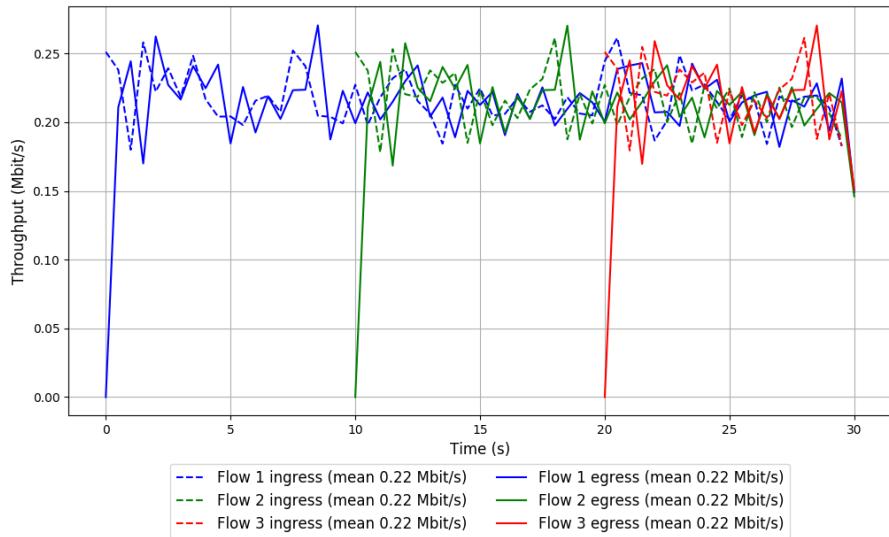


Run 1: Statistics of SCReAM

```
Start at: 2019-09-18 22:53:04
End at: 2019-09-18 22:53:34
Local clock offset: -19.842 ms
Remote clock offset: -59.193 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 92.976 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.048 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.990 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.496 ms
Loss rate: 1.45%
```

Run 1: Report of SCReAM — Data Link

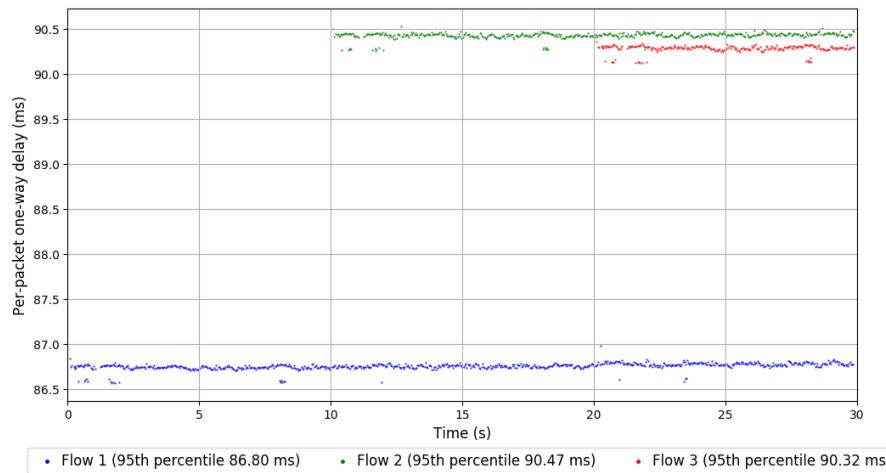
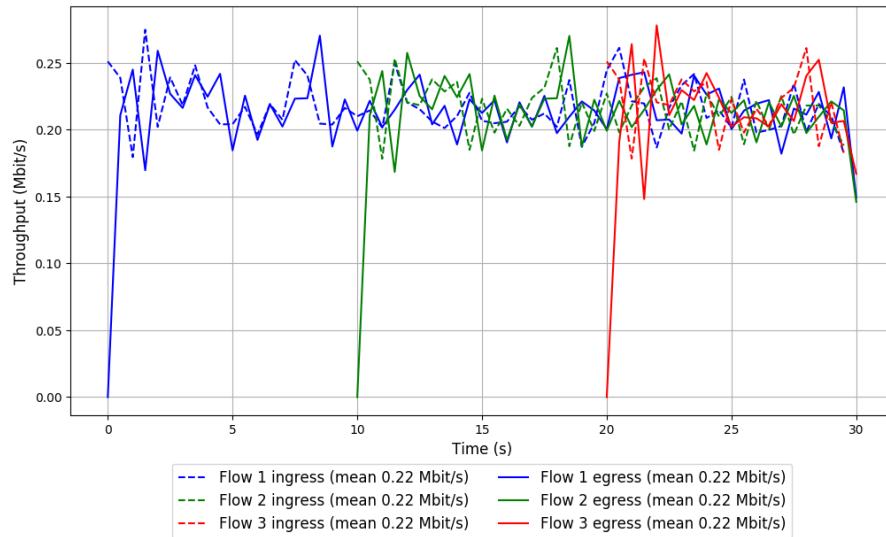


Run 2: Statistics of SCReAM

```
Start at: 2019-09-18 23:23:48
End at: 2019-09-18 23:24:18
Local clock offset: -30.248 ms
Remote clock offset: -64.097 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 90.453 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.466 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.323 ms
Loss rate: 1.45%
```

Run 2: Report of SCReAM — Data Link

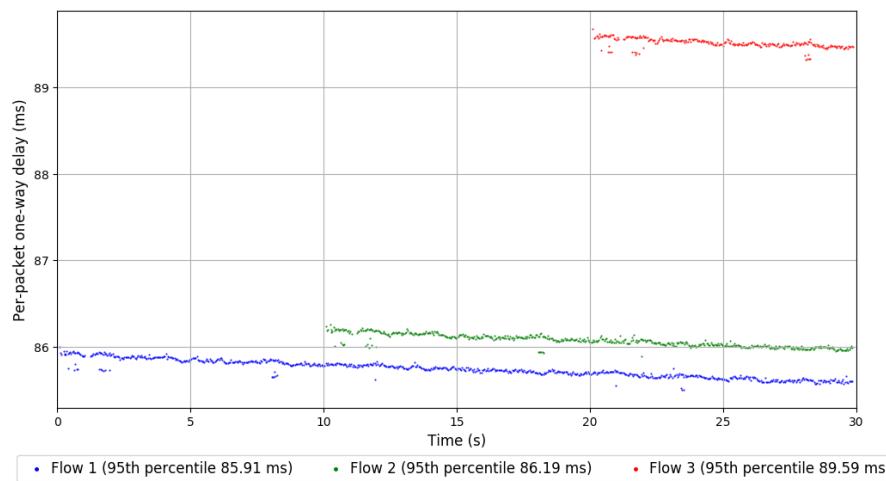
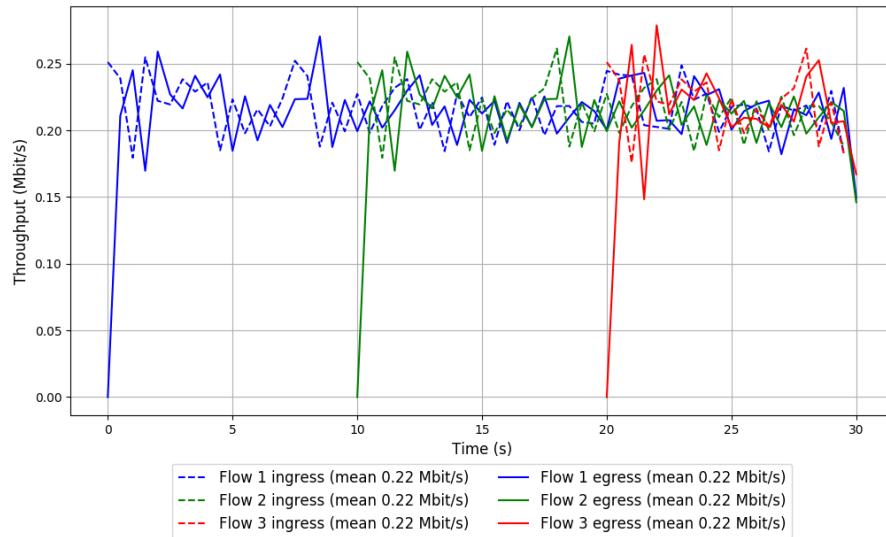


Run 3: Statistics of SCReAM

```
Start at: 2019-09-18 23:54:32
End at: 2019-09-18 23:55:02
Local clock offset: 0.998 ms
Remote clock offset: -69.647 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 89.543 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.911 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.591 ms
Loss rate: 1.45%
```

Run 3: Report of SCReAM — Data Link

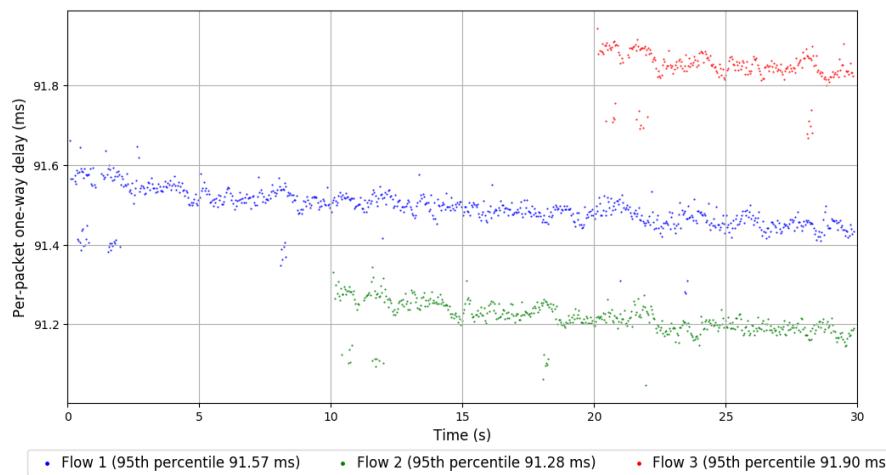
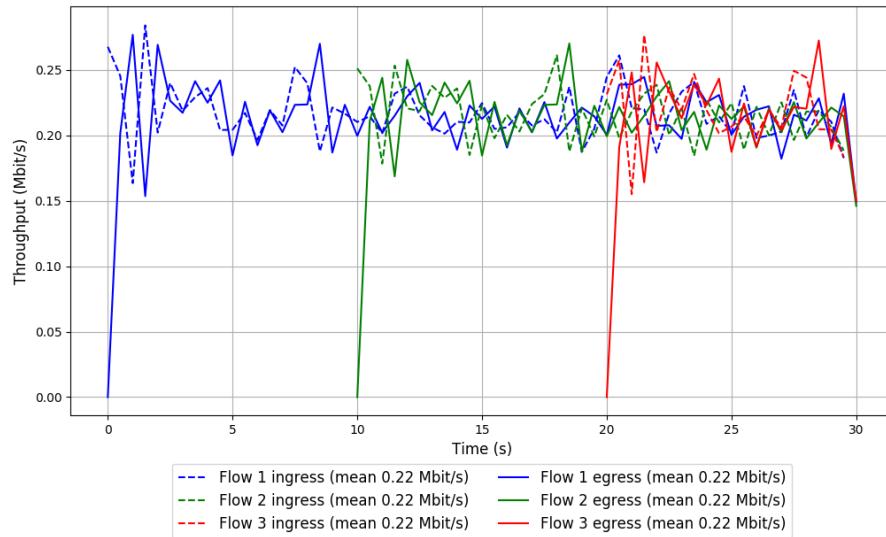


Run 4: Statistics of SCReAM

```
Start at: 2019-09-19 00:25:18
End at: 2019-09-19 00:25:48
Local clock offset: -5.115 ms
Remote clock offset: -77.619 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 91.867 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.569 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.279 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.901 ms
Loss rate: 1.50%
```

Run 4: Report of SCReAM — Data Link

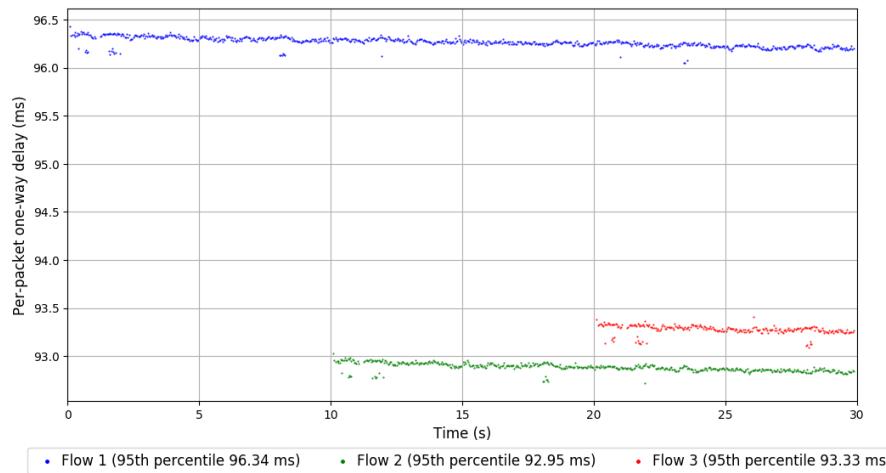
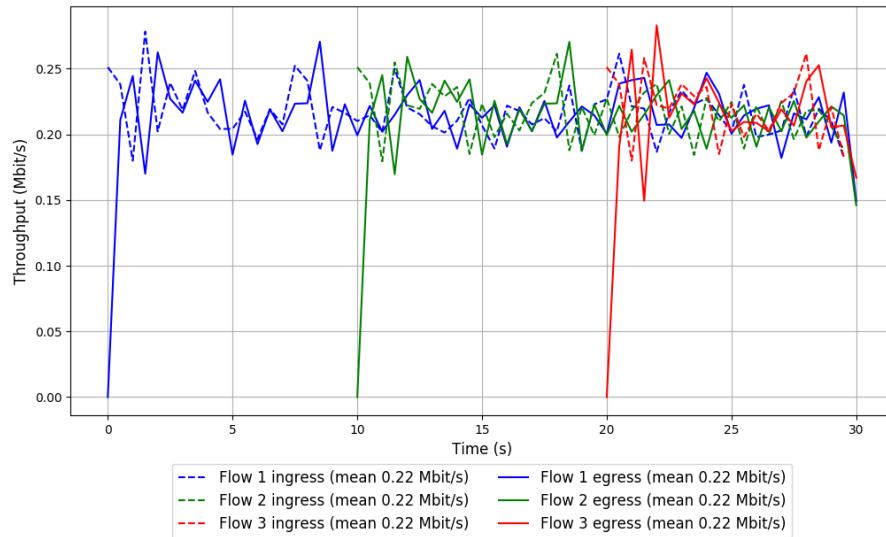


Run 5: Statistics of SCReAM

```
Start at: 2019-09-19 00:56:09
End at: 2019-09-19 00:56:39
Local clock offset: -3.47 ms
Remote clock offset: -88.08 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 96.327 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.341 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 92.953 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.331 ms
Loss rate: 1.45%
```

Run 5: Report of SCReAM — Data Link

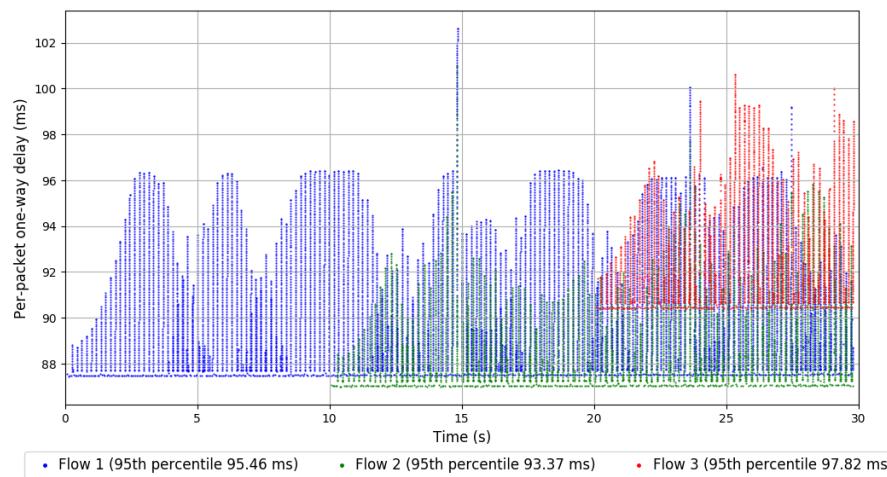
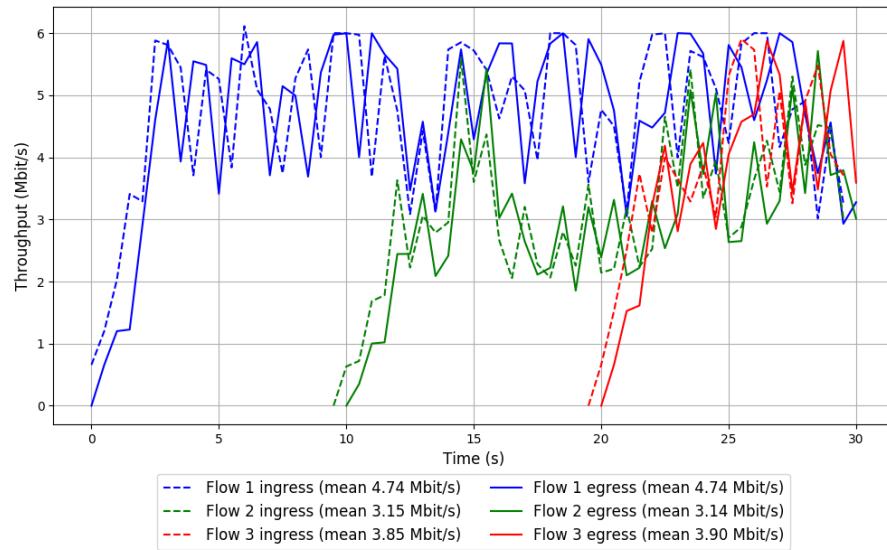


Run 1: Statistics of Sprout

```
Start at: 2019-09-18 23:07:10
End at: 2019-09-18 23:07:40
Local clock offset: -24.751 ms
Remote clock offset: -60.352 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 95.745 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 95.458 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 93.373 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 97.819 ms
Loss rate: 0.16%
```

Run 1: Report of Sprout — Data Link

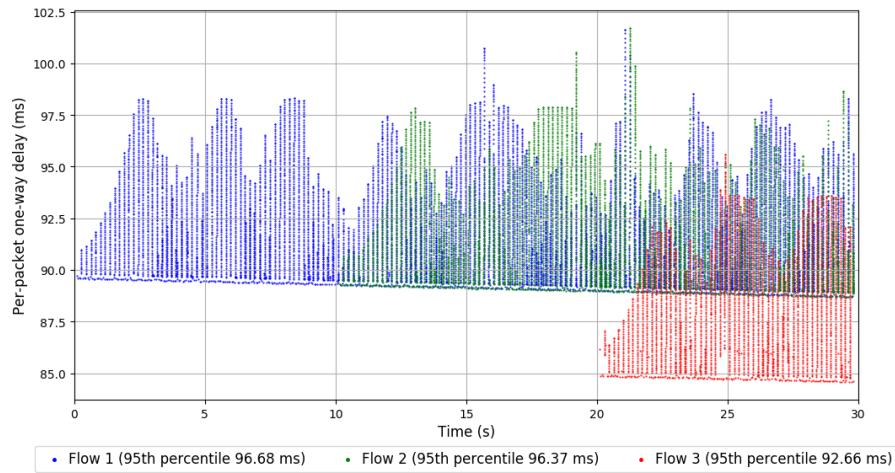
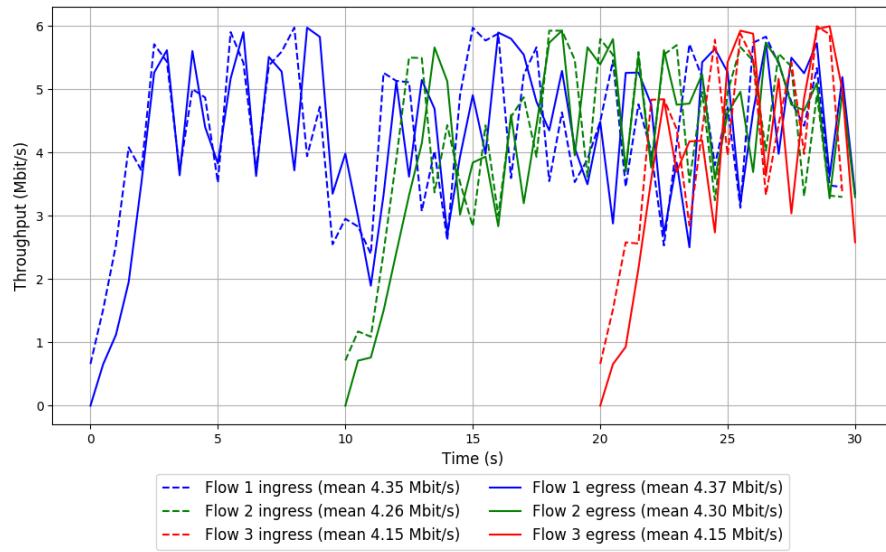


Run 2: Statistics of Sprout

```
Start at: 2019-09-18 23:37:55
End at: 2019-09-18 23:38:25
Local clock offset: -13.727 ms
Remote clock offset: -66.648 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 96.354 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 96.679 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 96.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 92.659 ms
Loss rate: 2.02%
```

Run 2: Report of Sprout — Data Link

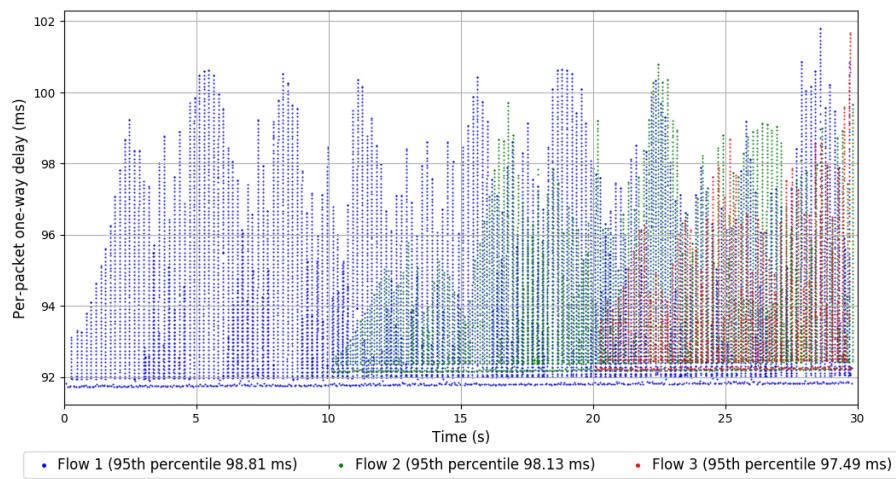
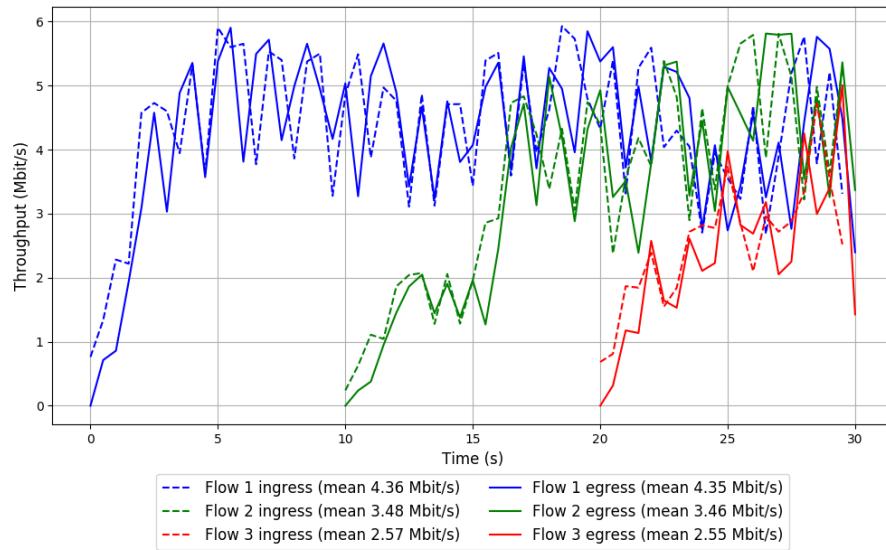


Run 3: Statistics of Sprout

```
Start at: 2019-09-19 00:08:39
End at: 2019-09-19 00:09:09
Local clock offset: -2.05 ms
Remote clock offset: -73.761 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 98.480 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 98.807 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 98.130 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 97.489 ms
Loss rate: 2.54%
```

Run 3: Report of Sprout — Data Link

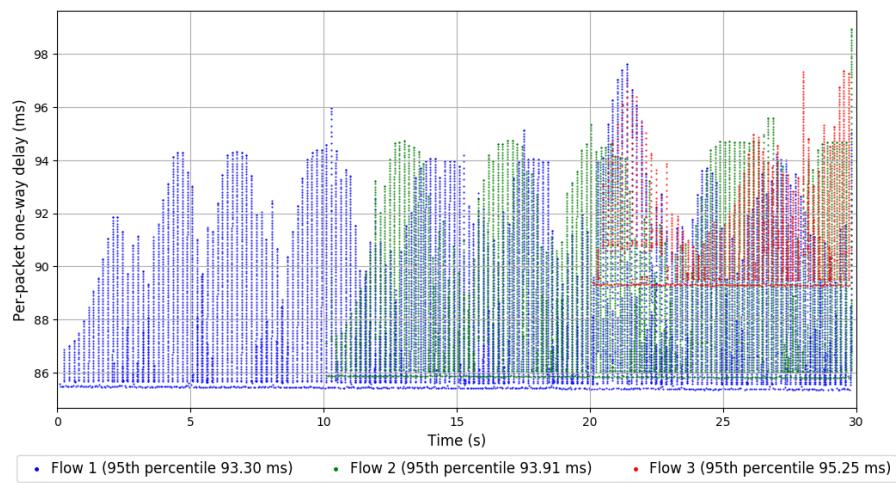
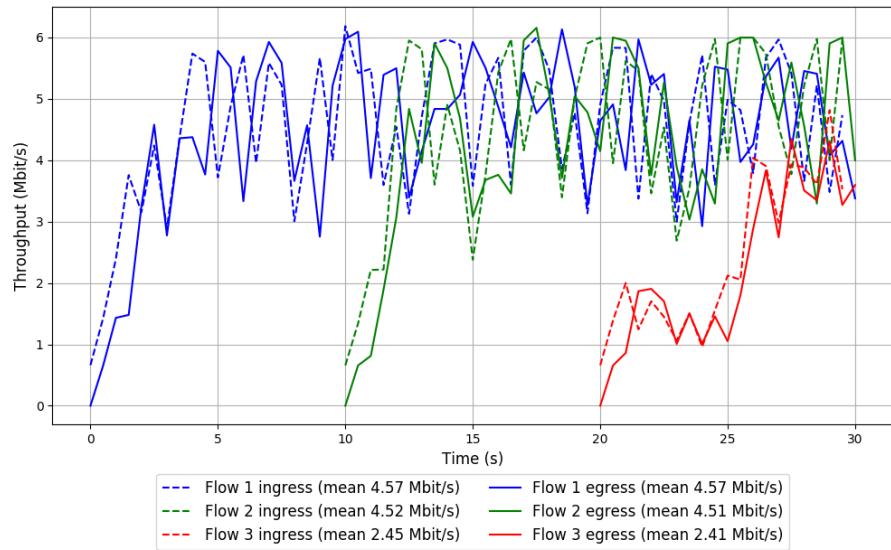


Run 4: Statistics of Sprout

```
Start at: 2019-09-19 00:39:26
End at: 2019-09-19 00:39:56
Local clock offset: -5.179 ms
Remote clock offset: -78.183 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 93.818 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 93.300 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 93.911 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 95.247 ms
Loss rate: 3.59%
```

Run 4: Report of Sprout — Data Link

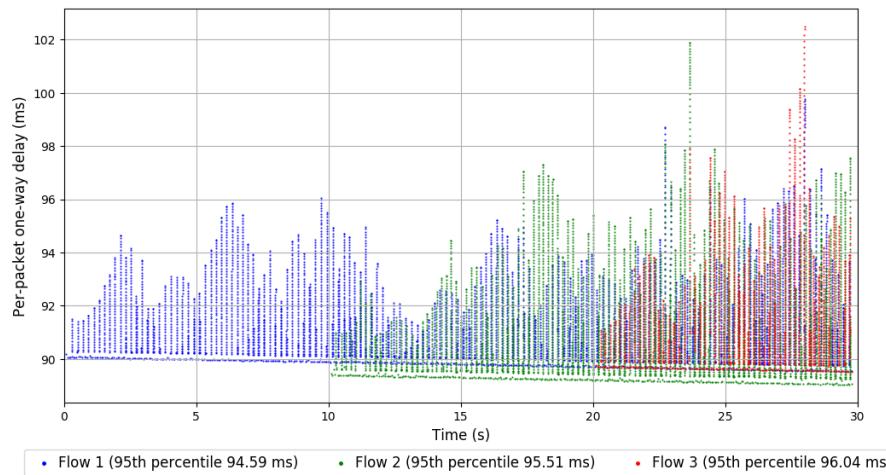
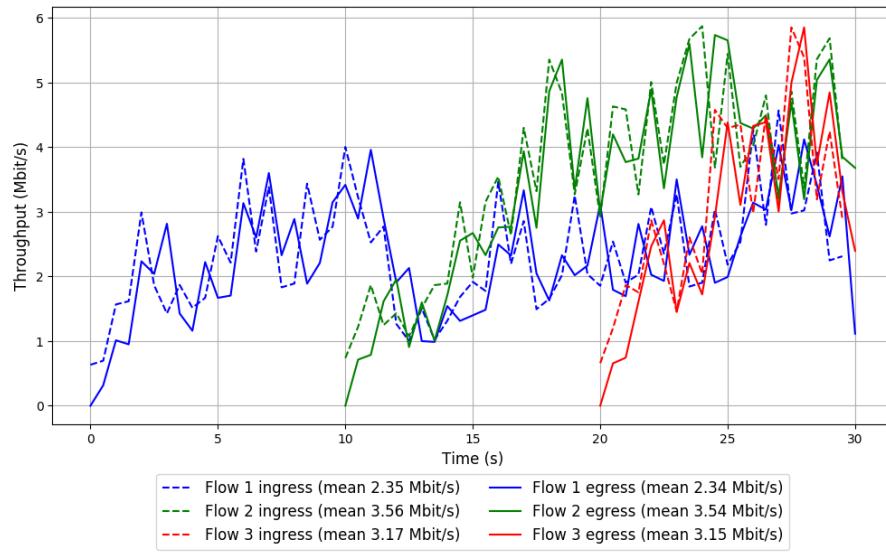


Run 5: Statistics of Sprout

```
Start at: 2019-09-19 01:10:16
End at: 2019-09-19 01:10:46
Local clock offset: 11.014 ms
Remote clock offset: -84.809 ms

# Below is generated by plot.py at 2019-09-19 01:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 95.248 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 94.592 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 95.509 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 96.037 ms
Loss rate: 2.29%
```

Run 5: Report of Sprout — Data Link

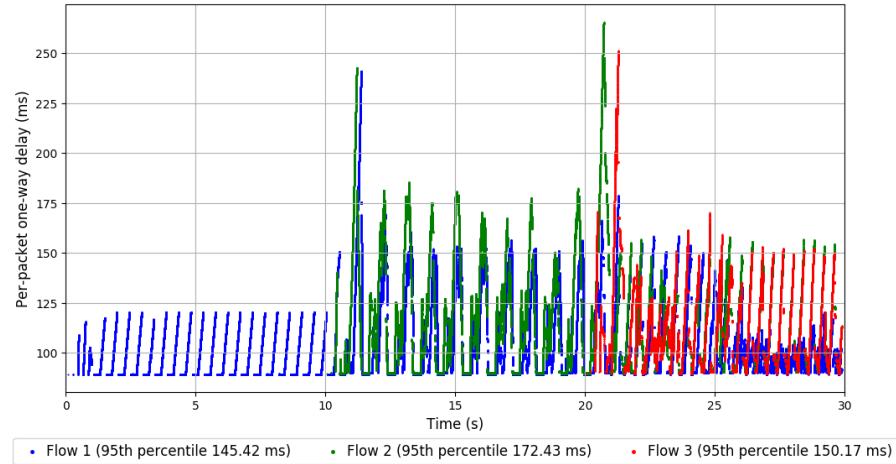
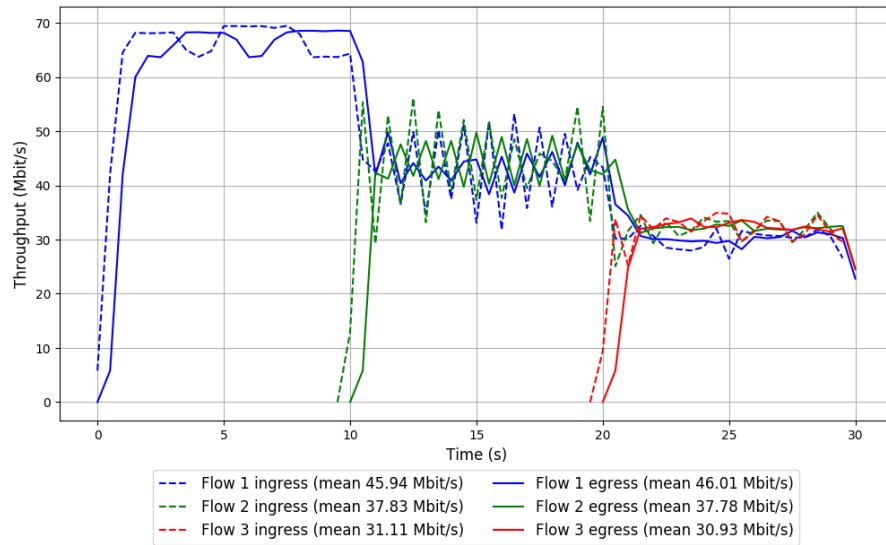


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-09-18 22:56:46
End at: 2019-09-18 22:57:16
Local clock offset: -22.072 ms
Remote clock offset: -60.981 ms

# Below is generated by plot.py at 2019-09-19 01:32:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 153.268 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 46.01 Mbit/s
95th percentile per-packet one-way delay: 145.421 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 172.425 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 150.174 ms
Loss rate: 2.16%
```

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

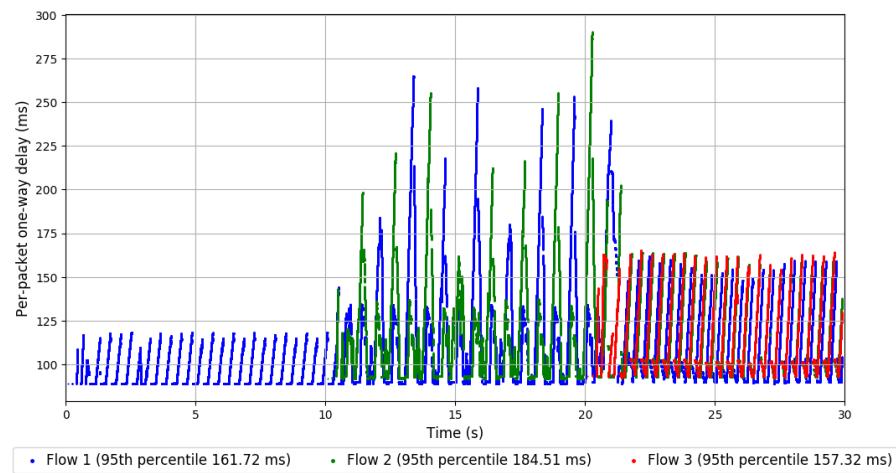
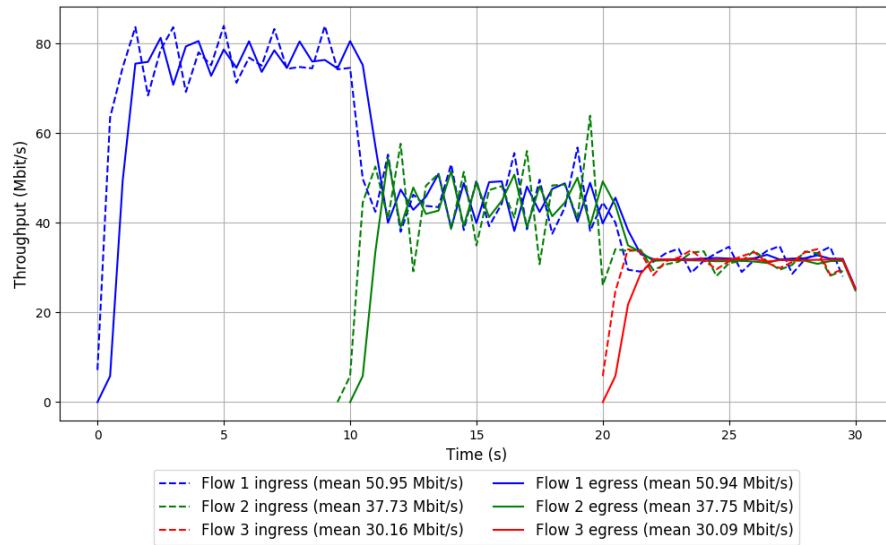


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-09-18 23:27:30
End at: 2019-09-18 23:28:00
Local clock offset: -30.482 ms
Remote clock offset: -65.581 ms

# Below is generated by plot.py at 2019-09-19 01:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 165.322 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 161.722 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 184.513 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 157.321 ms
Loss rate: 1.89%
```

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

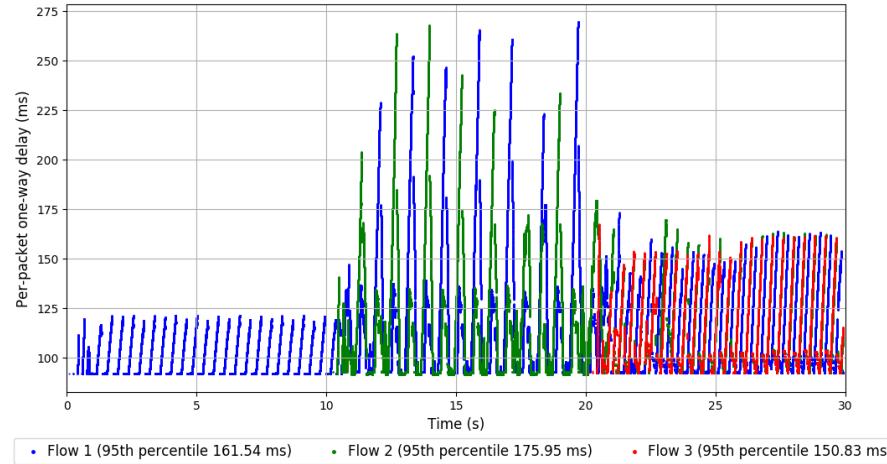
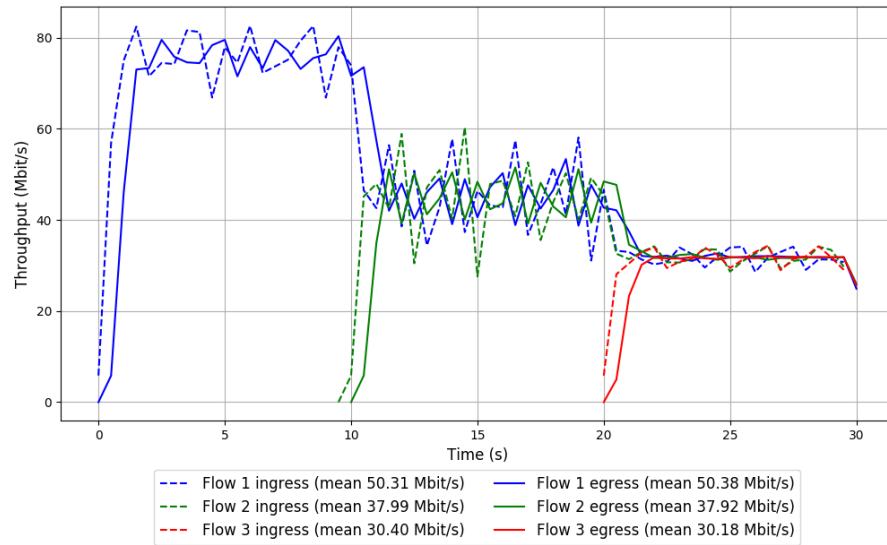


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-09-18 23:58:15
End at: 2019-09-18 23:58:45
Local clock offset: 2.742 ms
Remote clock offset: -72.174 ms

# Below is generated by plot.py at 2019-09-19 01:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 165.267 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 161.544 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 175.947 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 150.832 ms
Loss rate: 2.09%
```

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

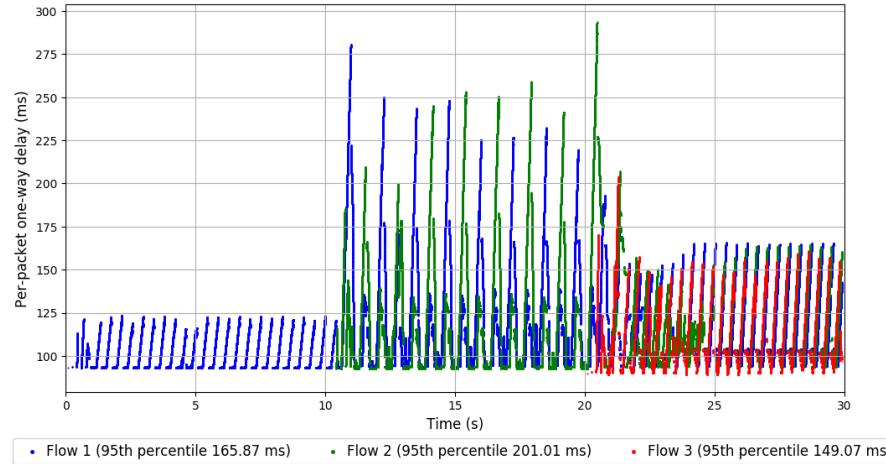
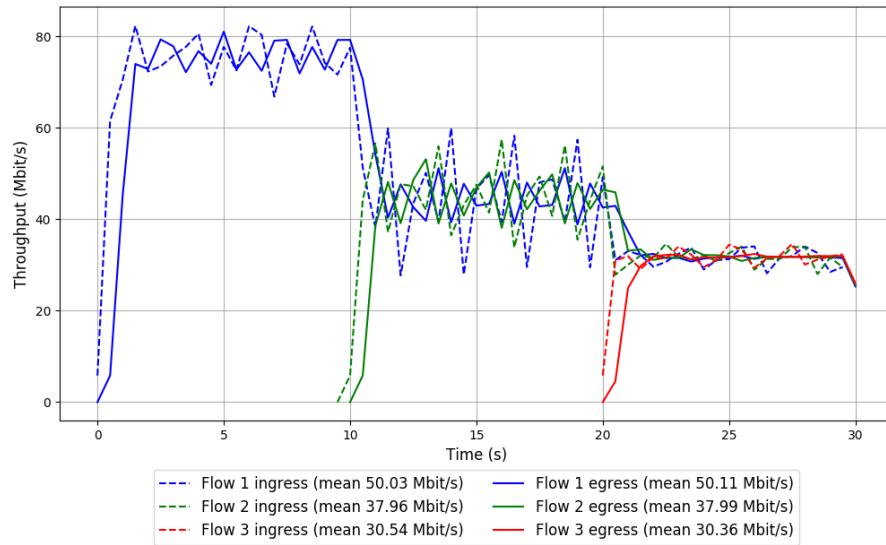


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-09-19 00:29:01
End at: 2019-09-19 00:29:31
Local clock offset: -4.273 ms
Remote clock offset: -79.144 ms

# Below is generated by plot.py at 2019-09-19 01:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 174.941 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 165.871 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 201.015 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 149.067 ms
Loss rate: 2.18%
```

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

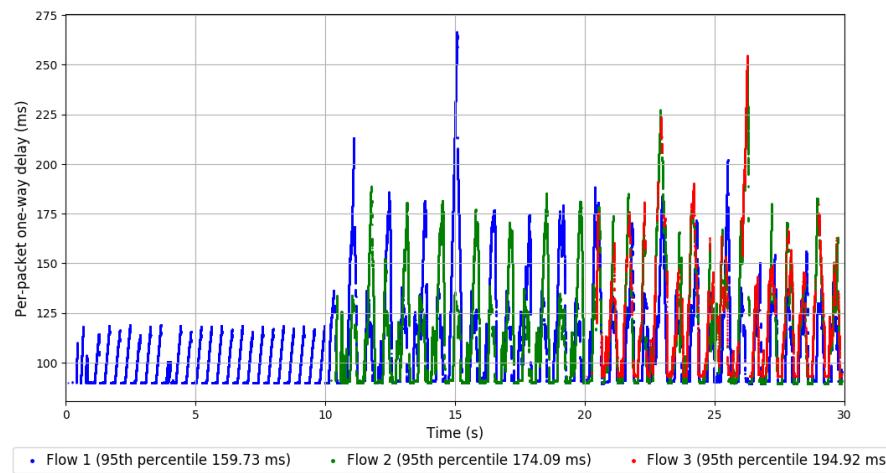
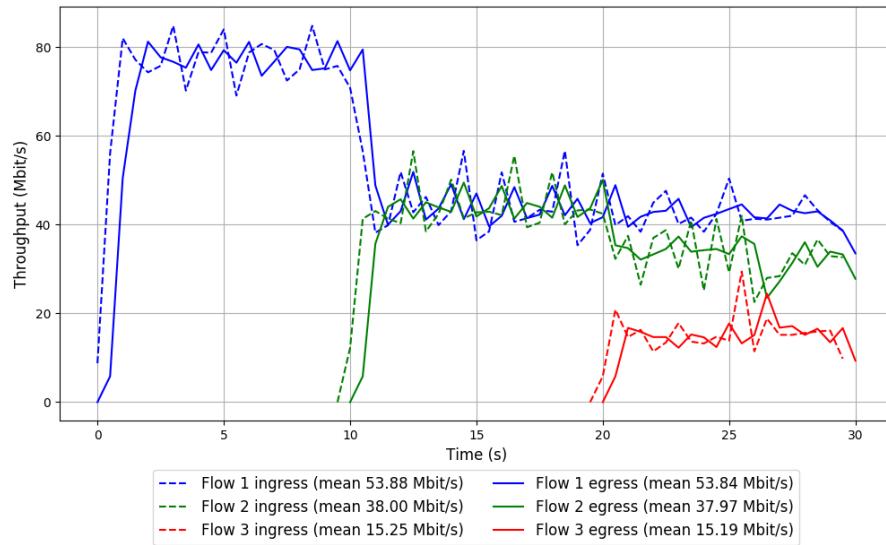


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-09-19 00:59:52
End at: 2019-09-19 01:00:22
Local clock offset: -3.222 ms
Remote clock offset: -85.401 ms

# Below is generated by plot.py at 2019-09-19 01:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 168.623 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 159.728 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 174.091 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 194.923 ms
Loss rate: 1.74%
```

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

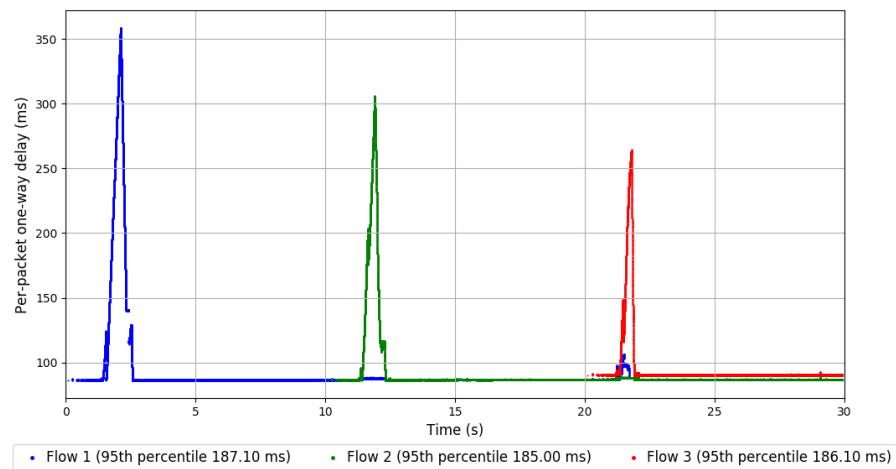
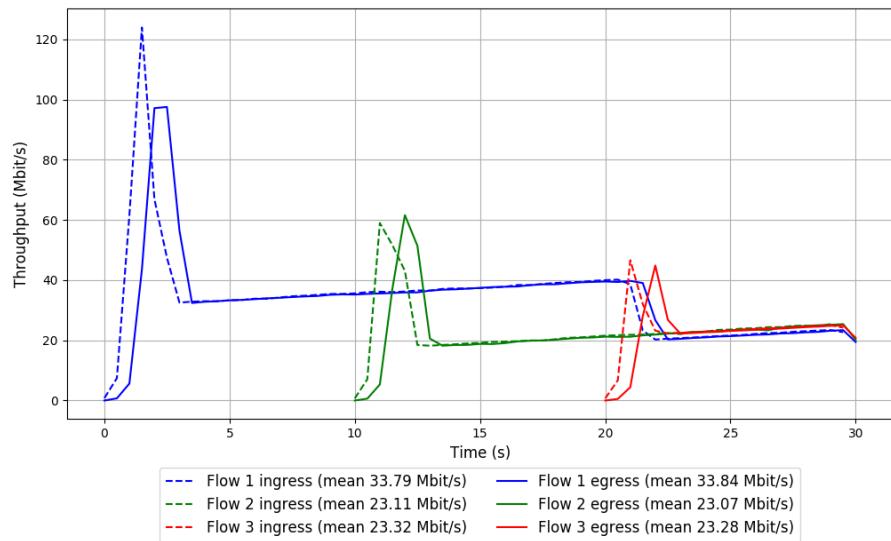


Run 1: Statistics of TCP Vegas

```
Start at: 2019-09-18 22:50:32
End at: 2019-09-18 22:51:02
Local clock offset: -18.773 ms
Remote clock offset: -56.434 ms

# Below is generated by plot.py at 2019-09-19 01:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 186.198 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 187.105 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 185.001 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 186.100 ms
Loss rate: 1.84%
```

Run 1: Report of TCP Vegas — Data Link

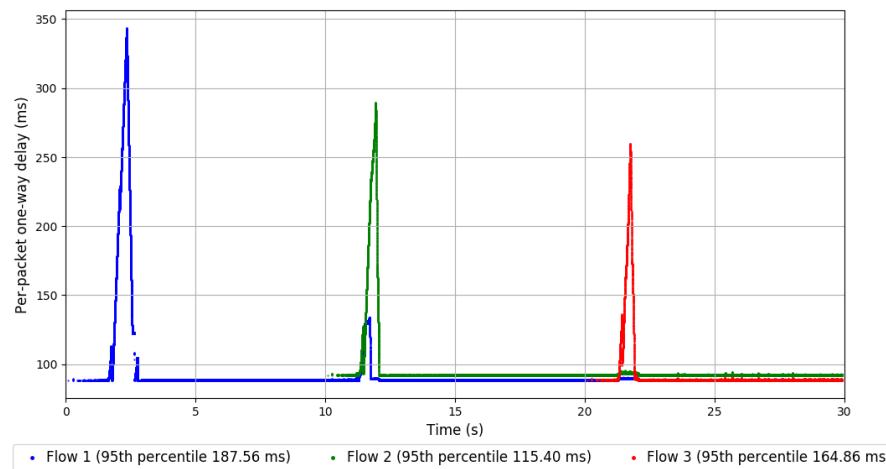
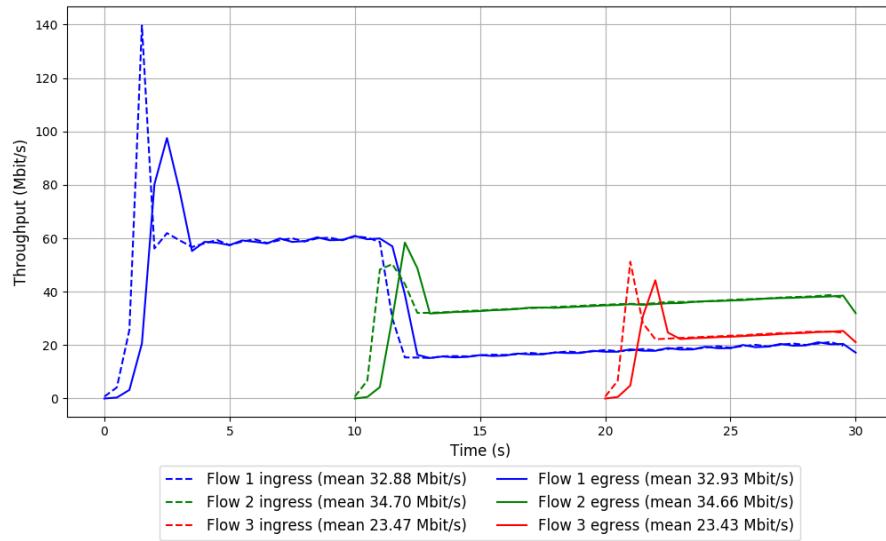


Run 2: Statistics of TCP Vegas

```
Start at: 2019-09-18 23:21:16
End at: 2019-09-18 23:21:46
Local clock offset: -28.73 ms
Remote clock offset: -63.82 ms

# Below is generated by plot.py at 2019-09-19 01:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 160.905 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 187.565 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 115.396 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 164.859 ms
Loss rate: 1.81%
```

Run 2: Report of TCP Vegas — Data Link

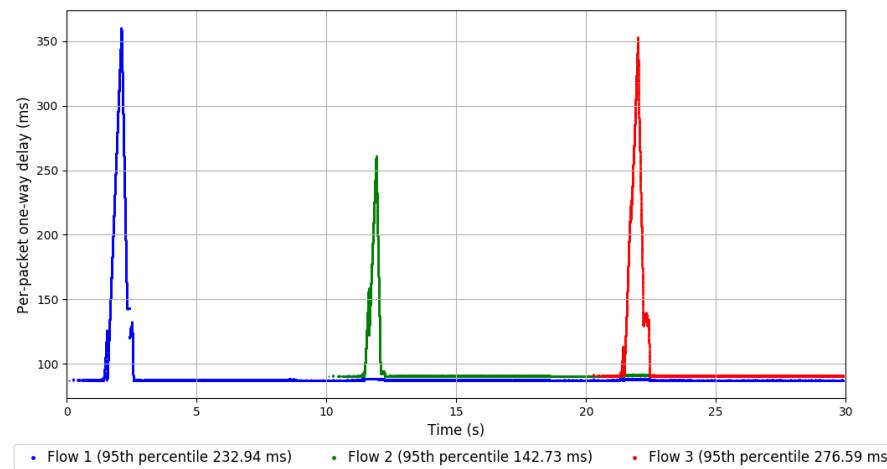
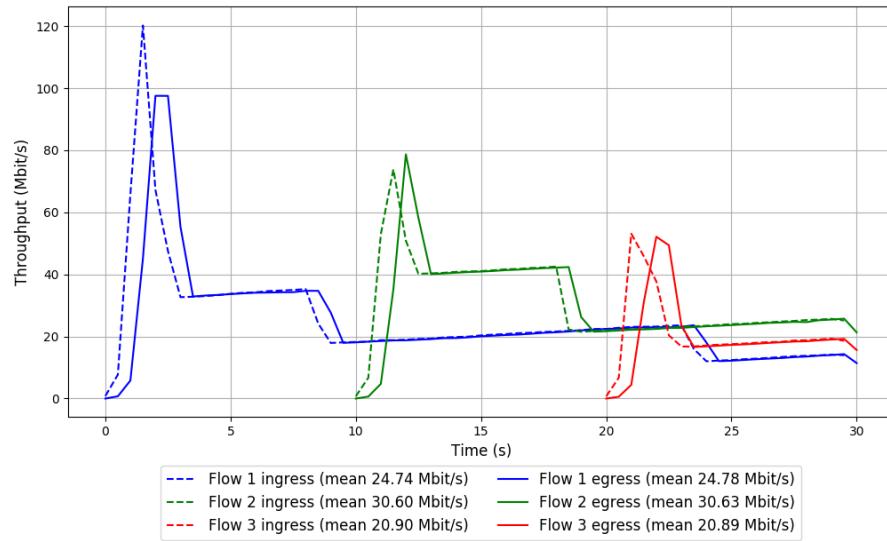


Run 3: Statistics of TCP Vegas

```
Start at: 2019-09-18 23:52:01
End at: 2019-09-18 23:52:31
Local clock offset: 0.594 ms
Remote clock offset: -69.522 ms

# Below is generated by plot.py at 2019-09-19 01:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 211.010 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 232.944 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 142.733 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 276.590 ms
Loss rate: 1.70%
```

Run 3: Report of TCP Vegas — Data Link

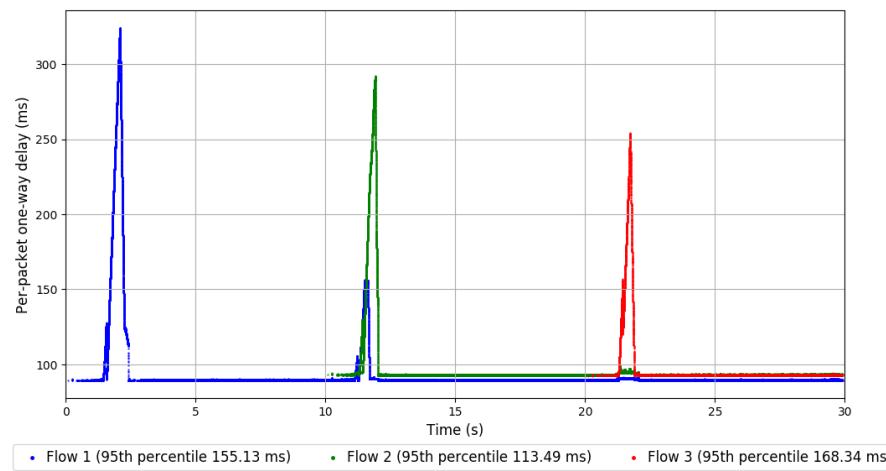
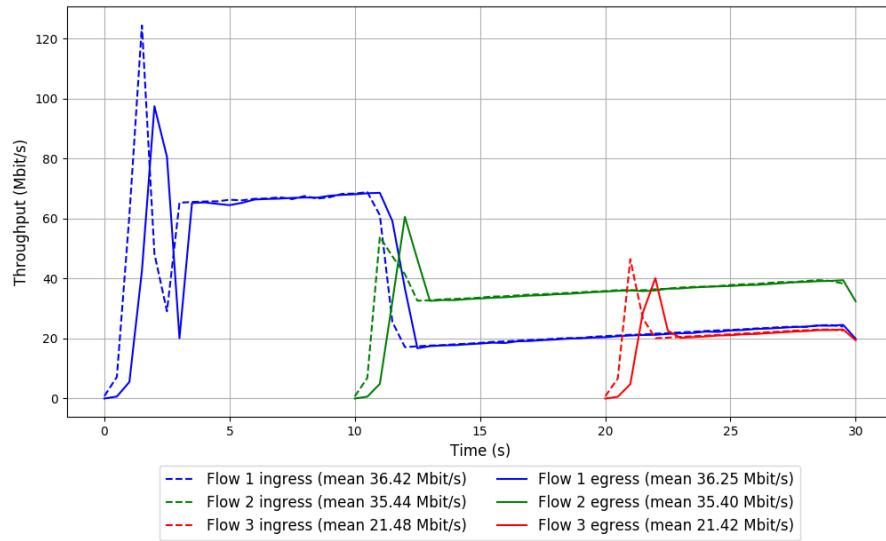


Run 4: Statistics of TCP Vegas

```
Start at: 2019-09-19 00:22:46
End at: 2019-09-19 00:23:16
Local clock offset: -4.355 ms
Remote clock offset: -77.155 ms

# Below is generated by plot.py at 2019-09-19 01:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 150.443 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 155.130 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 113.487 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 168.338 ms
Loss rate: 1.92%
```

Run 4: Report of TCP Vegas — Data Link

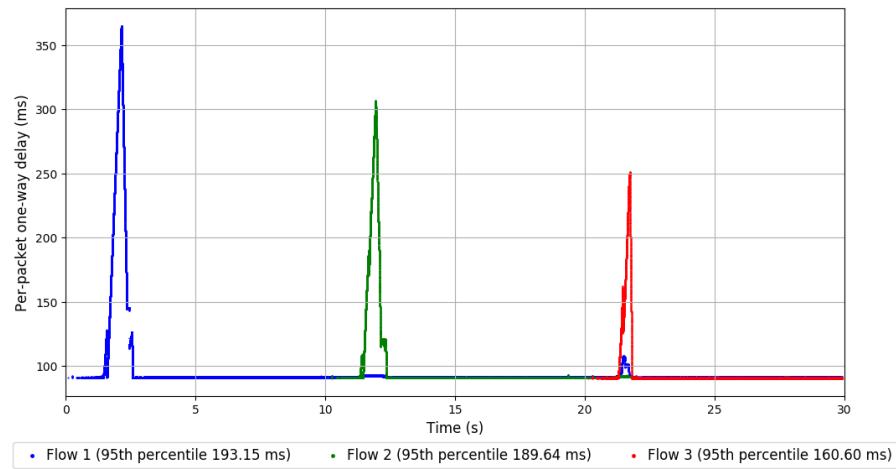
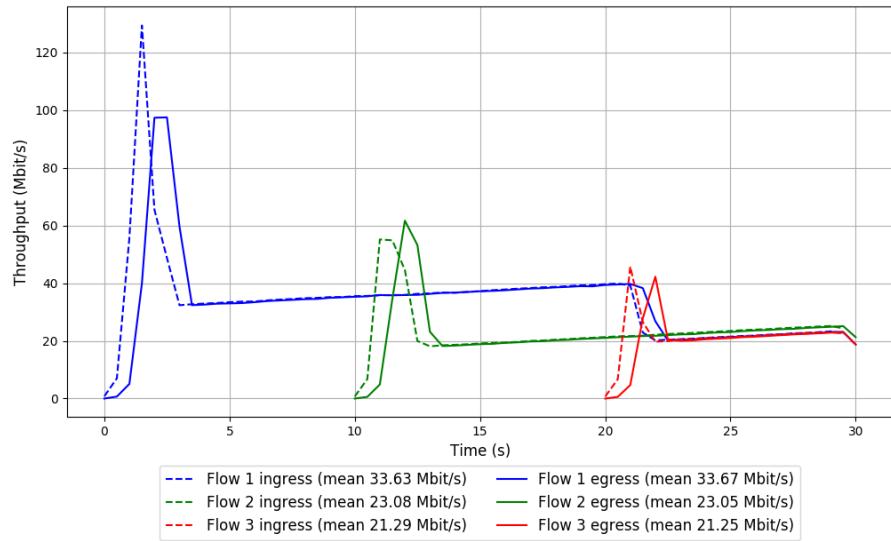


Run 5: Statistics of TCP Vegas

```
Start at: 2019-09-19 00:53:32
End at: 2019-09-19 00:54:03
Local clock offset: -4.468 ms
Remote clock offset: -82.784 ms

# Below is generated by plot.py at 2019-09-19 01:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 186.566 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 193.145 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 23.05 Mbit/s
95th percentile per-packet one-way delay: 189.642 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 160.598 ms
Loss rate: 1.84%
```

Run 5: Report of TCP Vegas — Data Link

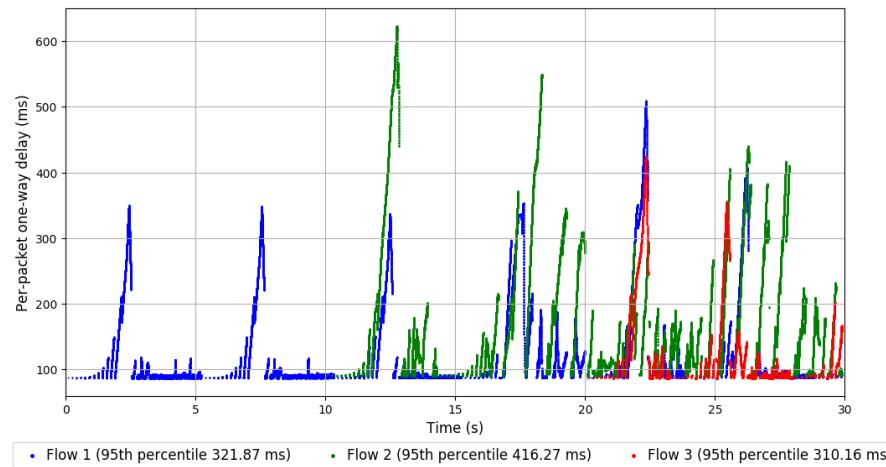
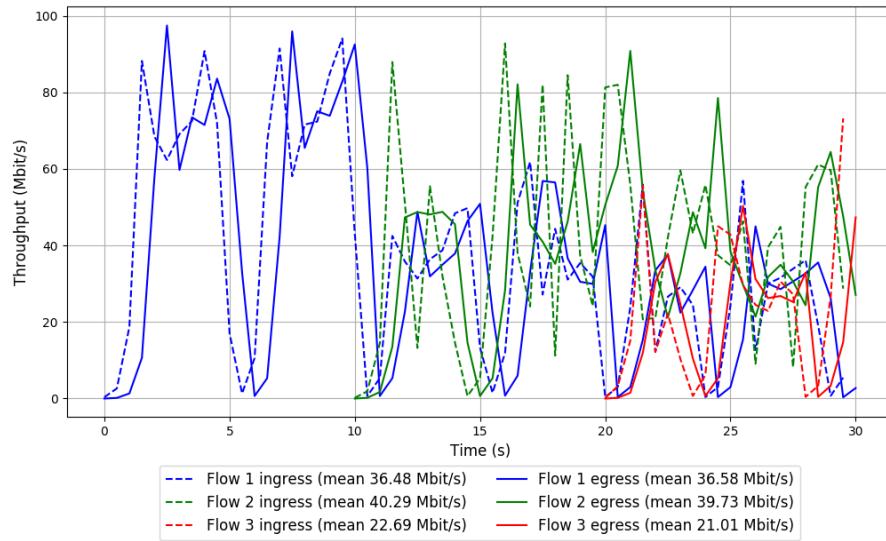


Run 1: Statistics of Verus

```
Start at: 2019-09-18 23:04:35
End at: 2019-09-18 23:05:05
Local clock offset: -24.796 ms
Remote clock offset: -60.026 ms

# Below is generated by plot.py at 2019-09-19 01:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 343.553 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 321.867 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 416.274 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 310.156 ms
Loss rate: 8.84%
```

Run 1: Report of Verus — Data Link

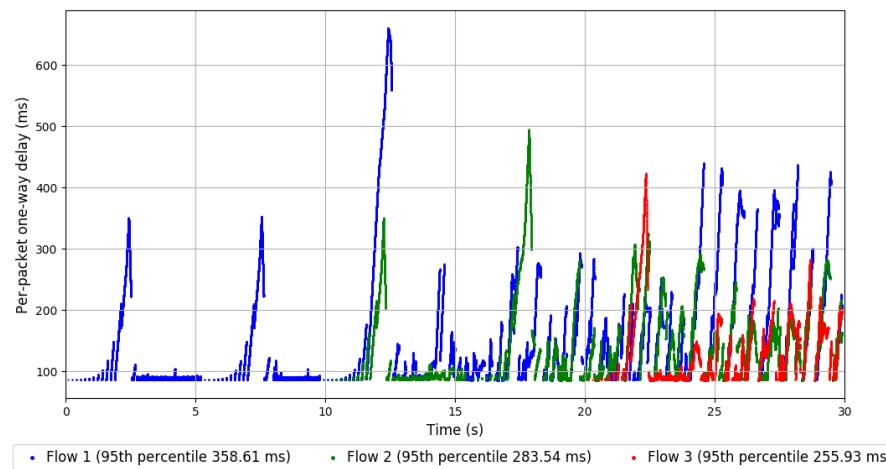
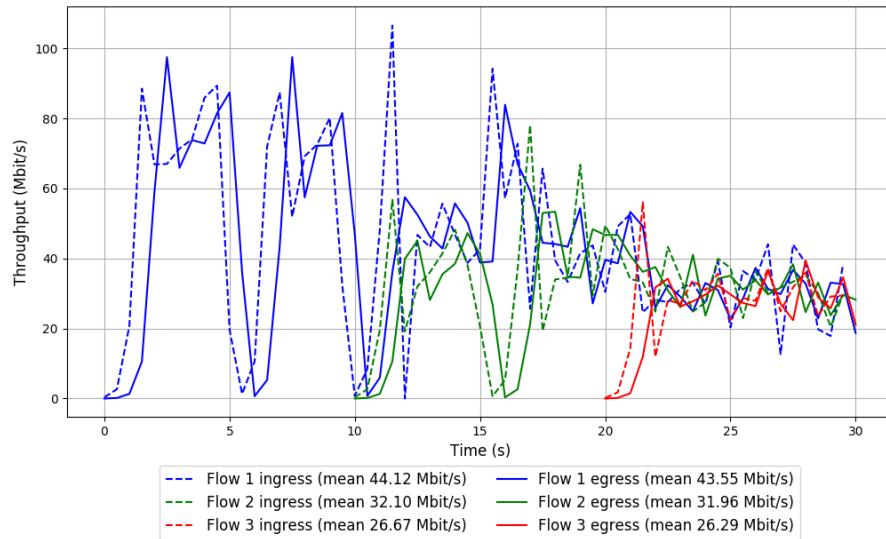


Run 2: Statistics of Verus

```
Start at: 2019-09-18 23:35:20
End at: 2019-09-18 23:35:50
Local clock offset: -18.672 ms
Remote clock offset: -66.762 ms

# Below is generated by plot.py at 2019-09-19 01:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 328.843 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 358.609 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 283.537 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 255.930 ms
Loss rate: 3.05%
```

Run 2: Report of Verus — Data Link

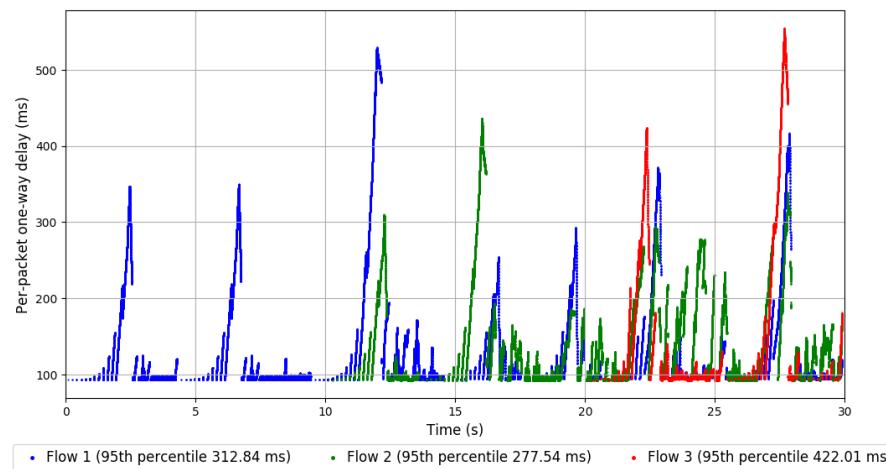
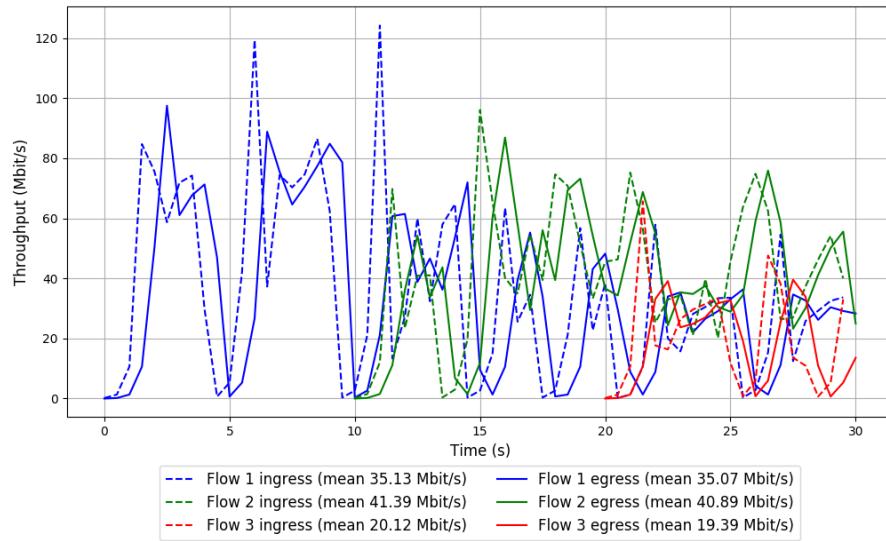


Run 3: Statistics of Verus

```
Start at: 2019-09-19 00:06:05
End at: 2019-09-19 00:06:35
Local clock offset: -0.753 ms
Remote clock offset: -73.86 ms

# Below is generated by plot.py at 2019-09-19 01:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 311.416 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 312.842 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 277.539 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 422.013 ms
Loss rate: 5.21%
```

Run 3: Report of Verus — Data Link

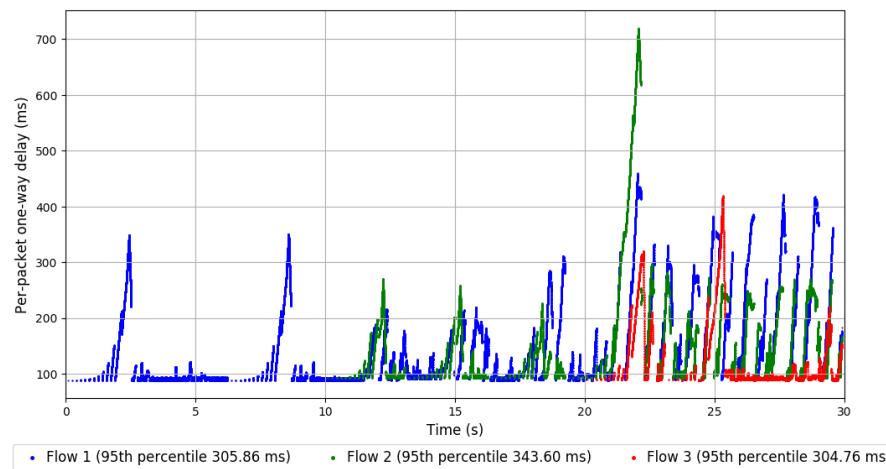
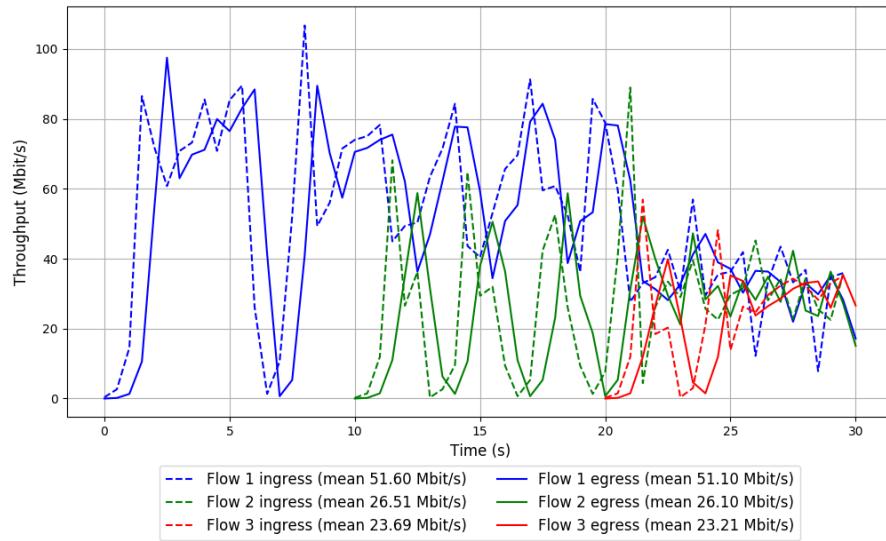


Run 4: Statistics of Verus

```
Start at: 2019-09-19 00:36:51
End at: 2019-09-19 00:37:21
Local clock offset: -5.125 ms
Remote clock offset: -79.759 ms

# Below is generated by plot.py at 2019-09-19 01:33:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 309.131 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 305.858 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 343.600 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 304.756 ms
Loss rate: 3.61%
```

Run 4: Report of Verus — Data Link

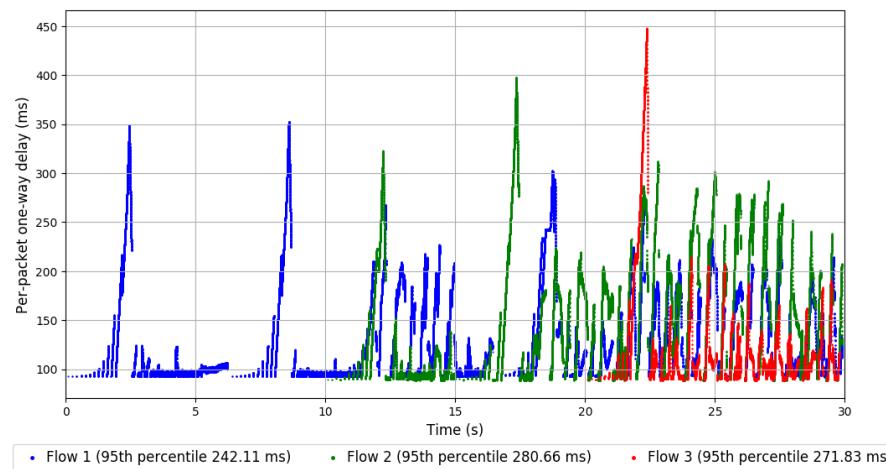
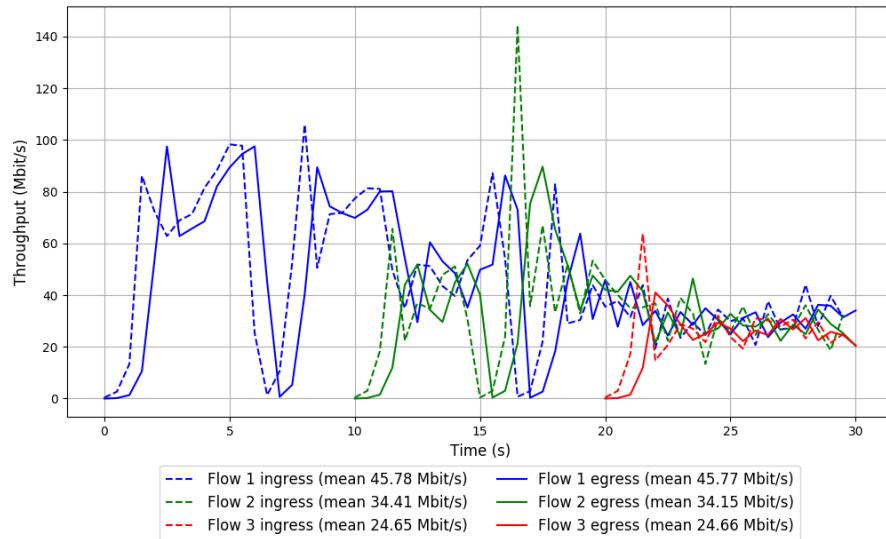


Run 5: Statistics of Verus

```
Start at: 2019-09-19 01:07:41
End at: 2019-09-19 01:08:11
Local clock offset: 8.27 ms
Remote clock offset: -87.439 ms

# Below is generated by plot.py at 2019-09-19 01:33:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 260.534 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 45.77 Mbit/s
95th percentile per-packet one-way delay: 242.108 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 280.657 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 271.833 ms
Loss rate: 2.65%
```

Run 5: Report of Verus — Data Link

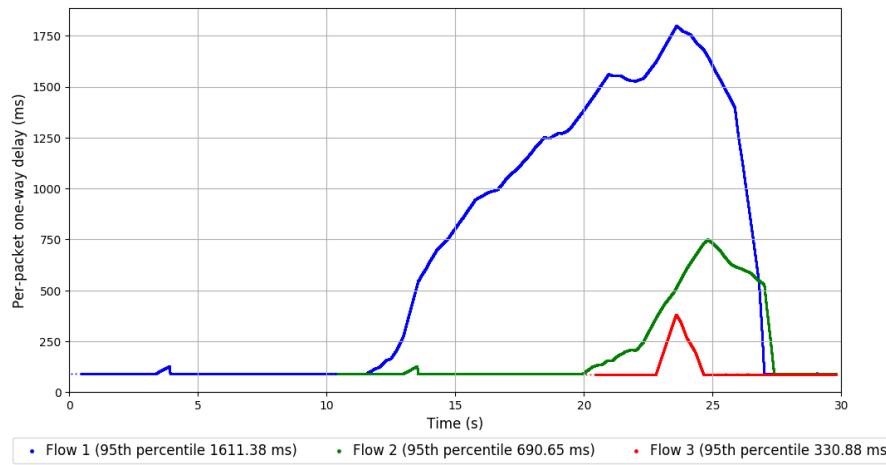
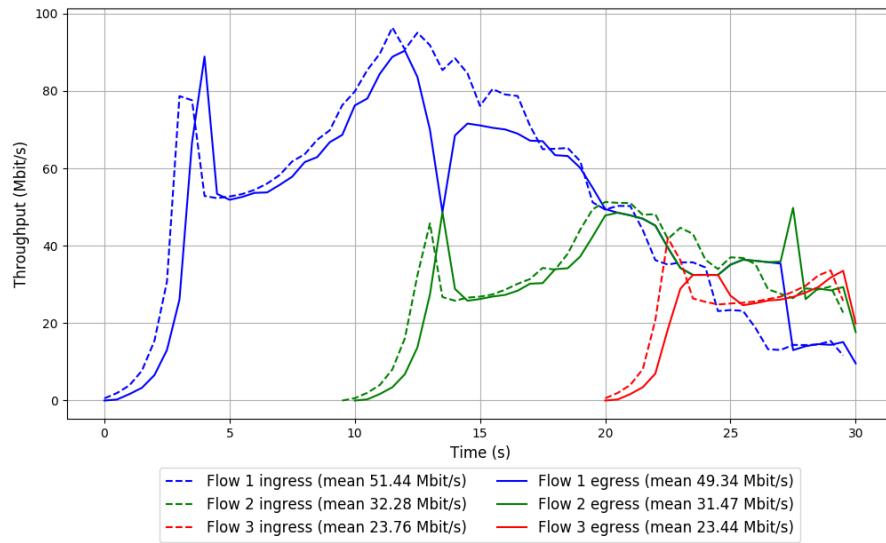


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-09-18 23:09:35
End at: 2019-09-18 23:10:05
Local clock offset: -26.349 ms
Remote clock offset: -61.8 ms

# Below is generated by plot.py at 2019-09-19 01:33:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 1553.866 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 1611.377 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 690.655 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 330.885 ms
Loss rate: 2.94%
```

Run 1: Report of PCC-Vivace — Data Link

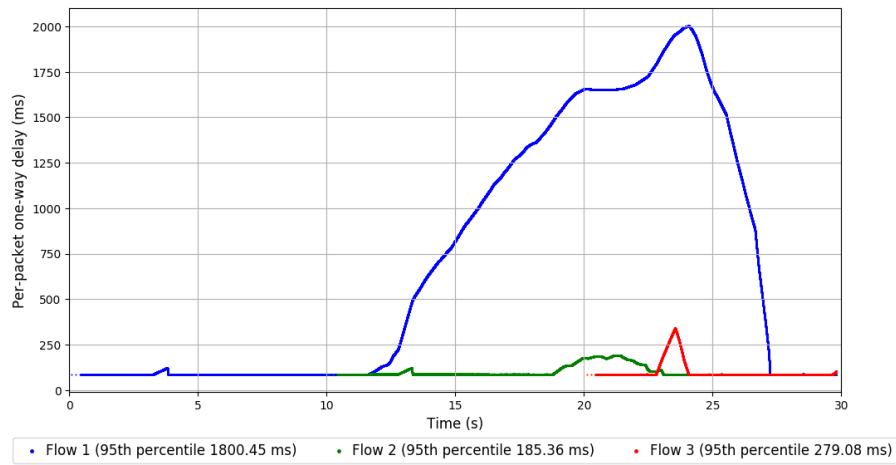
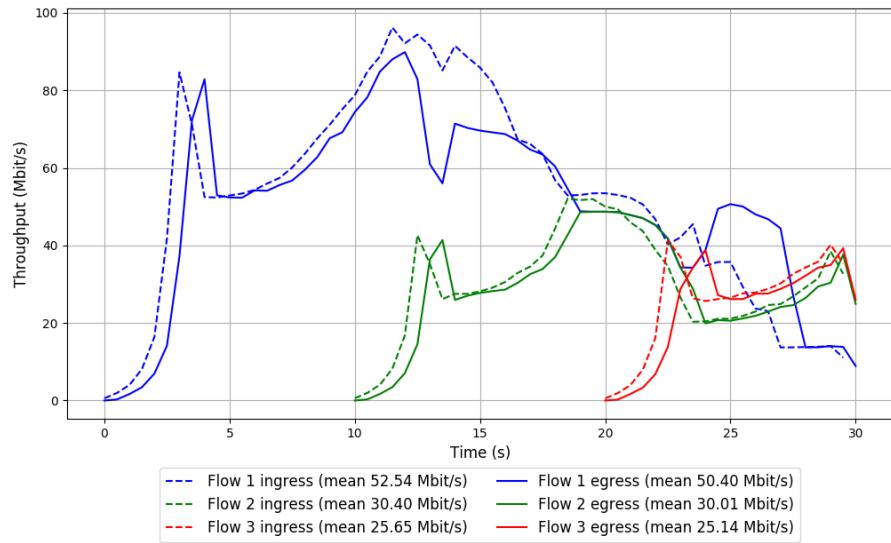


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-09-18 23:40:21
End at: 2019-09-18 23:40:51
Local clock offset: -10.156 ms
Remote clock offset: -68.824 ms

# Below is generated by plot.py at 2019-09-19 01:33:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 1687.368 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 1800.447 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 185.356 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 279.082 ms
Loss rate: 3.62%
```

Run 2: Report of PCC-Vivace — Data Link

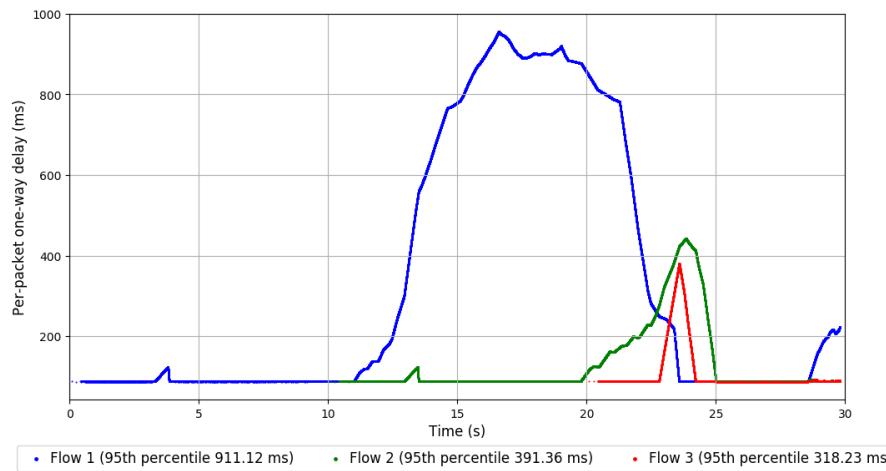
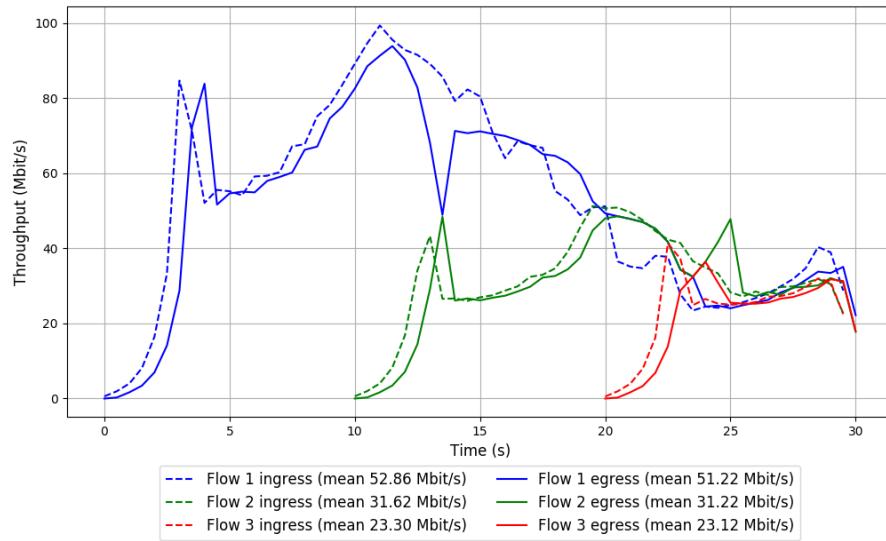


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-09-19 00:11:05
End at: 2019-09-19 00:11:35
Local clock offset: -2.894 ms
Remote clock offset: -73.074 ms

# Below is generated by plot.py at 2019-09-19 01:33:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 901.156 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 911.123 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 391.356 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 318.230 ms
Loss rate: 2.41%
```

Run 3: Report of PCC-Vivace — Data Link

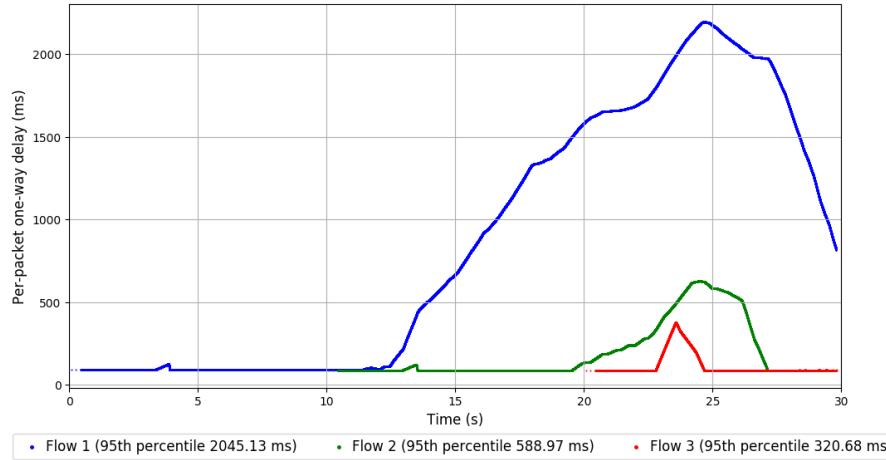
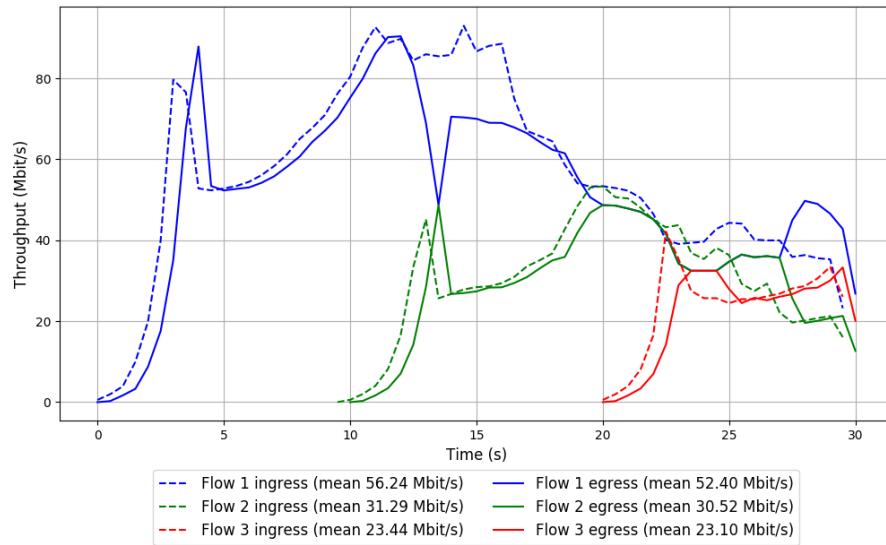


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-09-19 00:41:52
End at: 2019-09-19 00:42:22
Local clock offset: -4.345 ms
Remote clock offset: -79.98 ms

# Below is generated by plot.py at 2019-09-19 01:33:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 1976.896 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 2045.133 ms
Loss rate: 7.33%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 588.971 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 320.675 ms
Loss rate: 3.00%
```

Run 4: Report of PCC-Vivace — Data Link

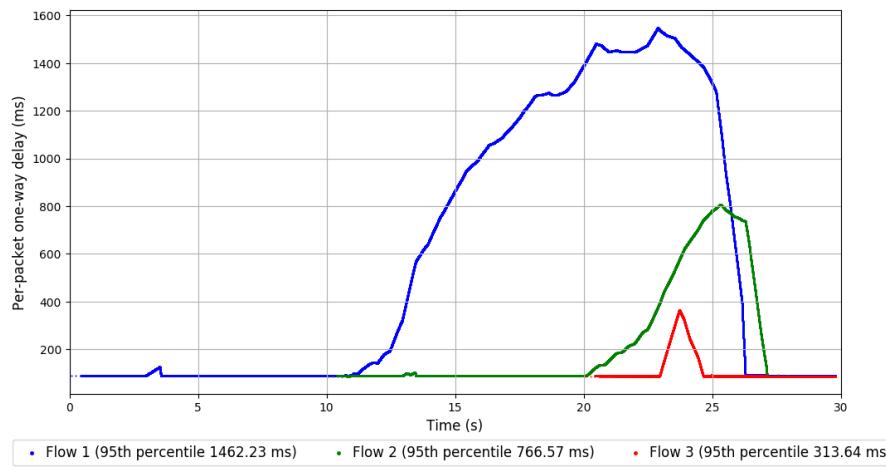
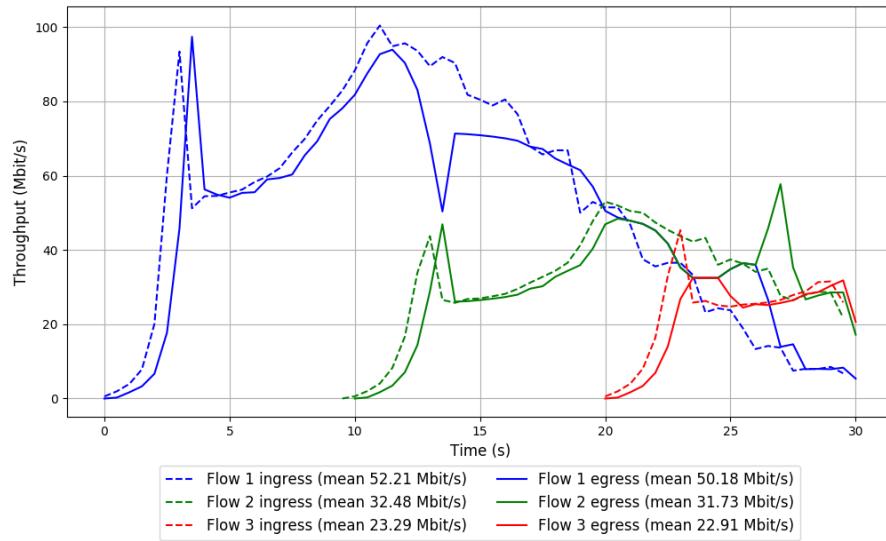


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-09-19 01:12:42
End at: 2019-09-19 01:13:12
Local clock offset: 13.21 ms
Remote clock offset: -85.854 ms

# Below is generated by plot.py at 2019-09-19 01:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 1448.828 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 1462.226 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 766.567 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 313.645 ms
Loss rate: 3.27%
```

Run 5: Report of PCC-Vivace — Data Link

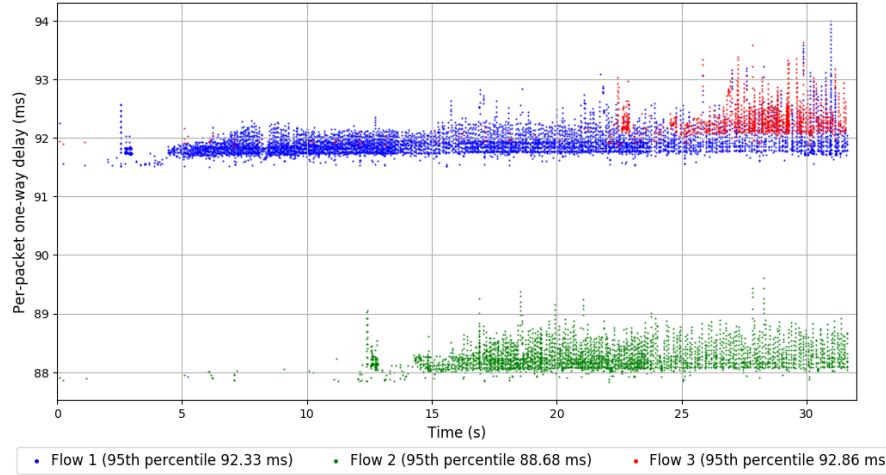
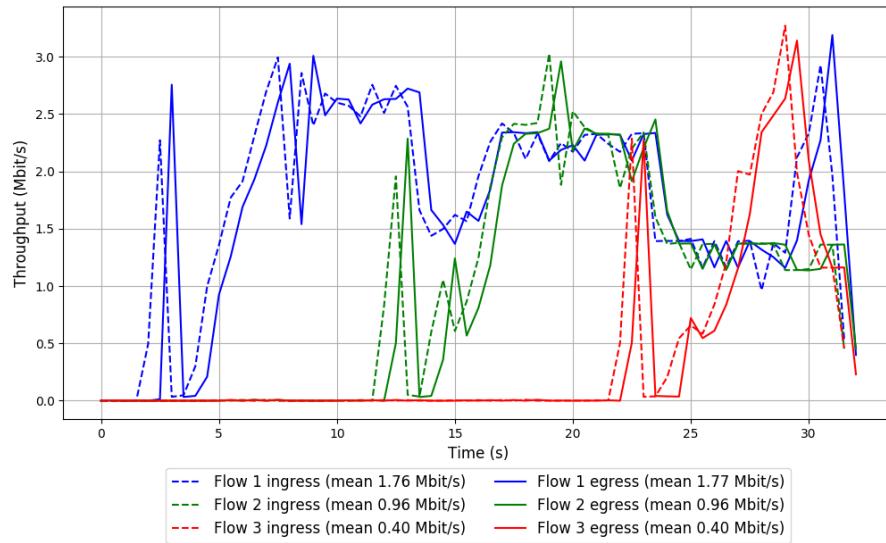


```
Run 1: Statistics of WebRTC media

Start at: 2019-09-18 23:08:23
End at: 2019-09-18 23:08:53
Local clock offset: -25.858 ms
Remote clock offset: -62.289 ms

# Below is generated by plot.py at 2019-09-19 01:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 92.447 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 92.334 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 88.683 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 92.862 ms
Loss rate: 1.79%
```

Run 1: Report of WebRTC media — Data Link

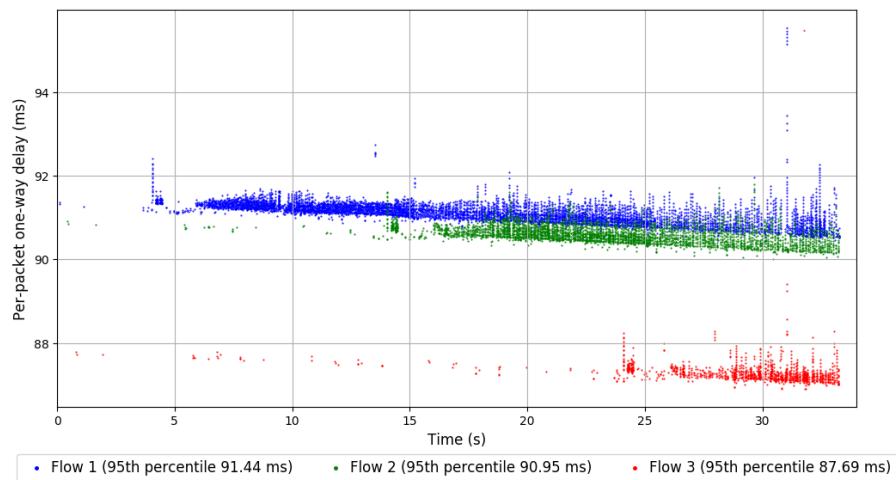
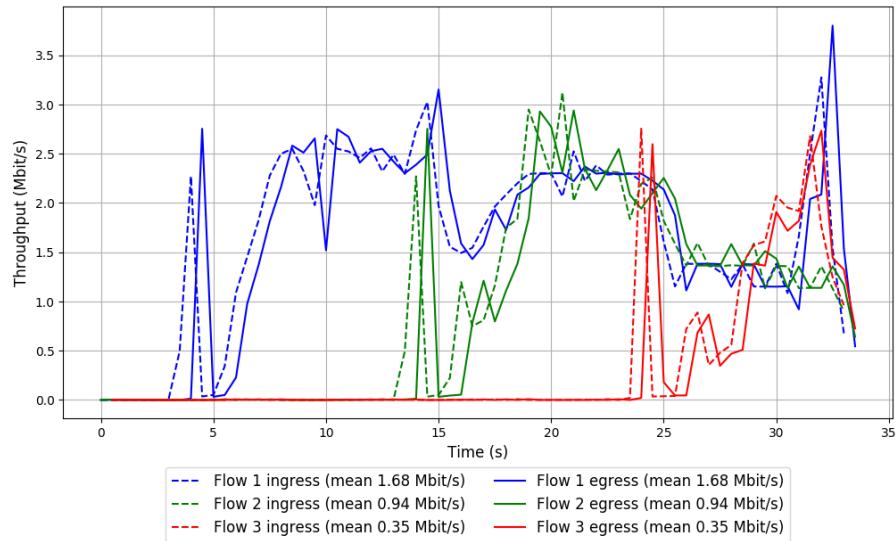


Run 2: Statistics of WebRTC media

```
Start at: 2019-09-18 23:39:08
End at: 2019-09-18 23:39:38
Local clock offset: -11.726 ms
Remote clock offset: -68.356 ms

# Below is generated by plot.py at 2019-09-19 01:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 91.391 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 91.442 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 90.949 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 87.690 ms
Loss rate: 2.07%
```

Run 2: Report of WebRTC media — Data Link

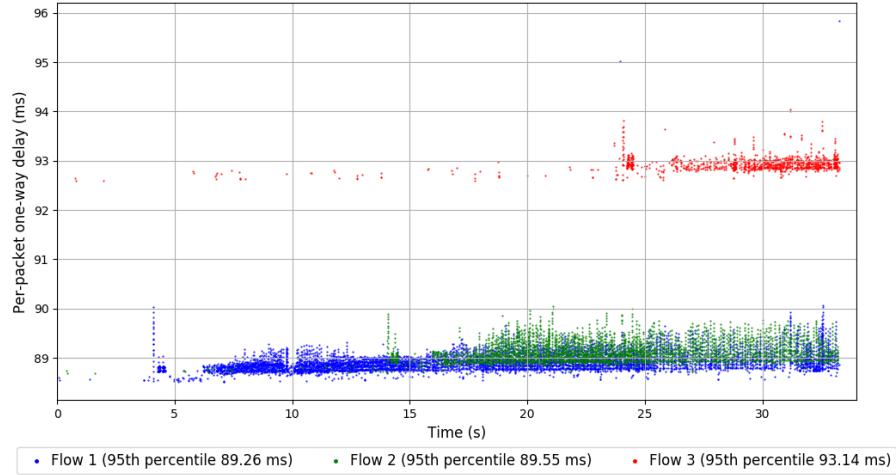
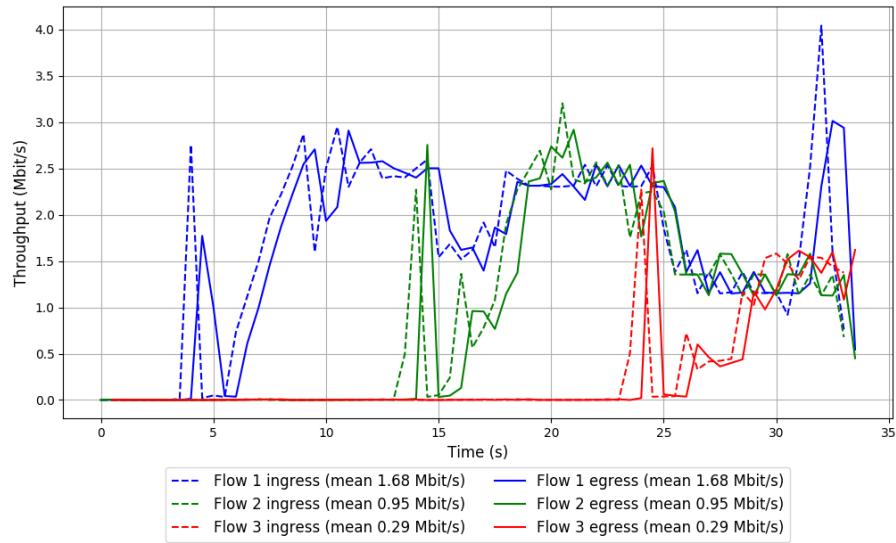


```
Run 3: Statistics of WebRTC media

Start at: 2019-09-19 00:09:52
End at: 2019-09-19 00:10:22
Local clock offset: -2.403 ms
Remote clock offset: -74.336 ms

# Below is generated by plot.py at 2019-09-19 01:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 92.916 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 89.260 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 89.547 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 93.143 ms
Loss rate: 1.90%
```

Run 3: Report of WebRTC media — Data Link

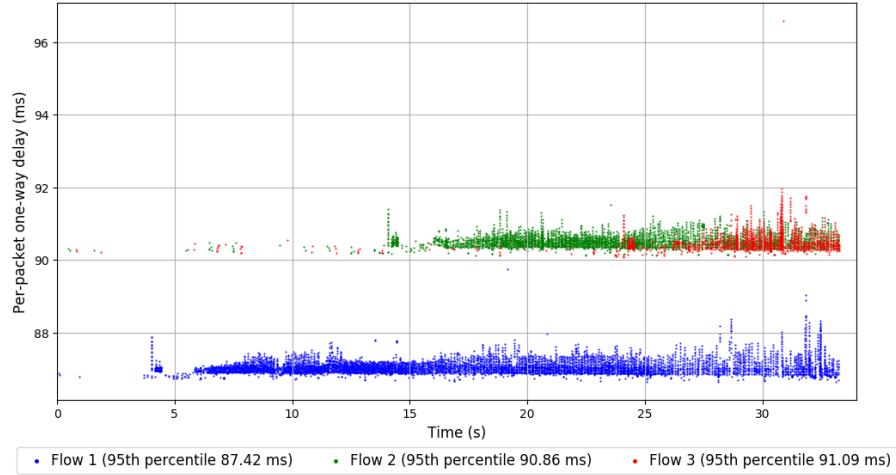
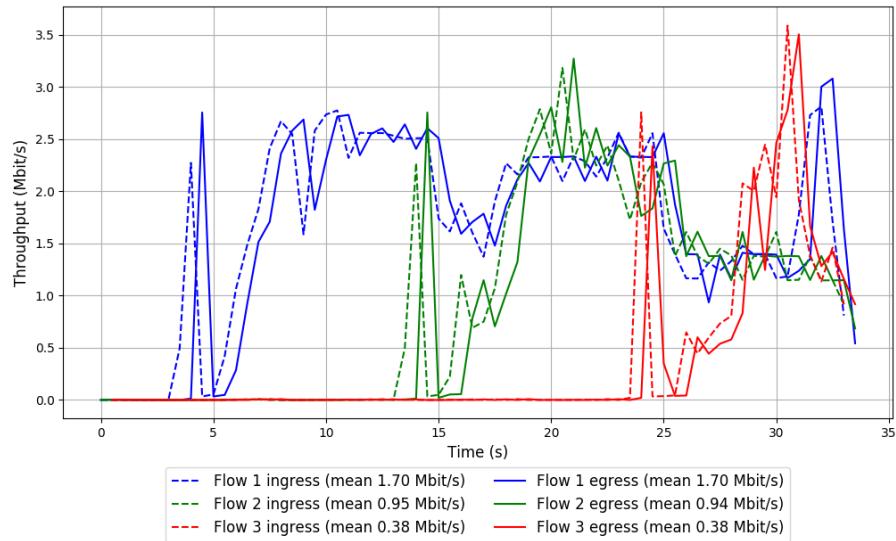


Run 4: Statistics of WebRTC media

```
Start at: 2019-09-19 00:40:39
End at: 2019-09-19 00:41:09
Local clock offset: -4.353 ms
Remote clock offset: -78.492 ms

# Below is generated by plot.py at 2019-09-19 01:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 90.756 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 87.422 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 90.862 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 91.086 ms
Loss rate: 1.82%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-09-19 01:11:29
End at: 2019-09-19 01:11:59
Local clock offset: 11.416 ms
Remote clock offset: -86.607 ms

# Below is generated by plot.py at 2019-09-19 01:33:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 90.245 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 87.837 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 87.854 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 90.546 ms
Loss rate: 1.87%
```

Run 5: Report of WebRTC media — Data Link

