

Pantheon Report

Generated at 2019-09-18 13:29:06 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

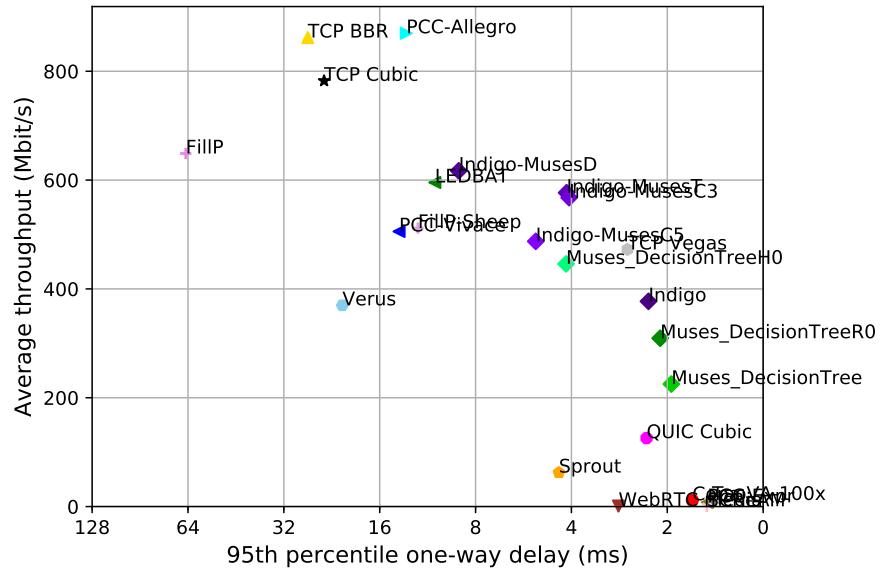
```
Linux 4.15.0-1045-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

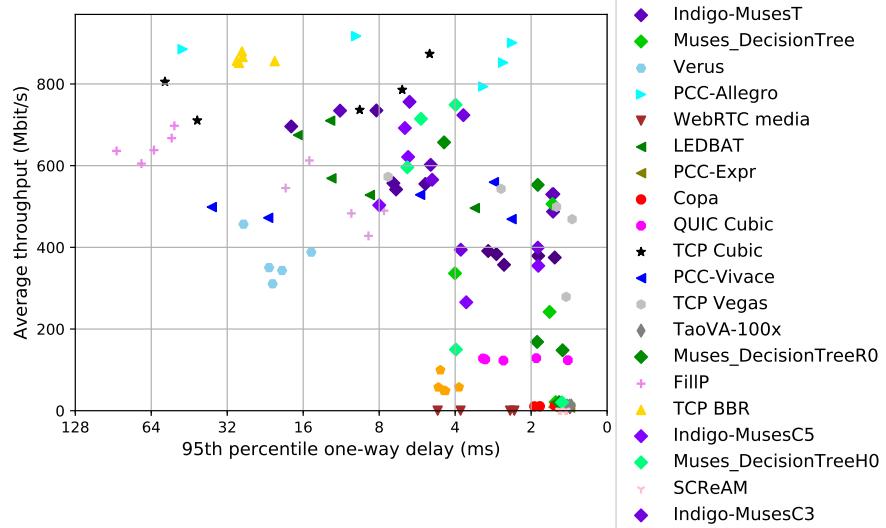
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 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 AWS California 1 to Stanford, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 1 to Stanford, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



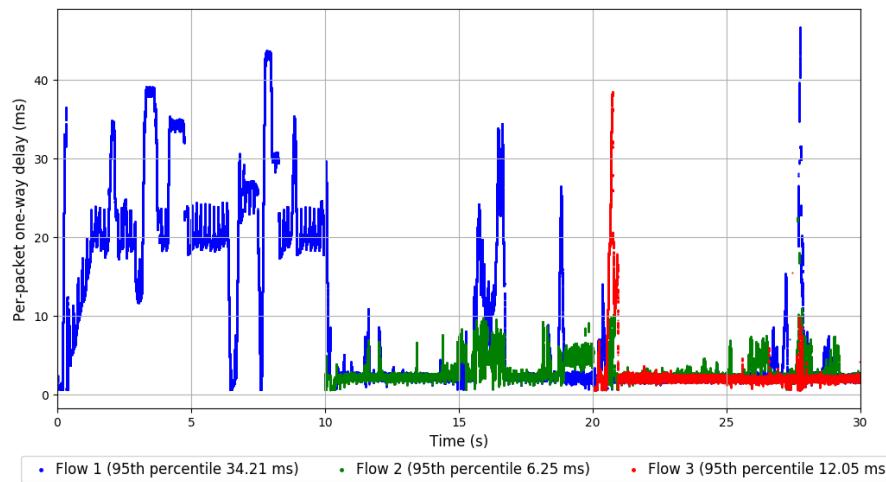
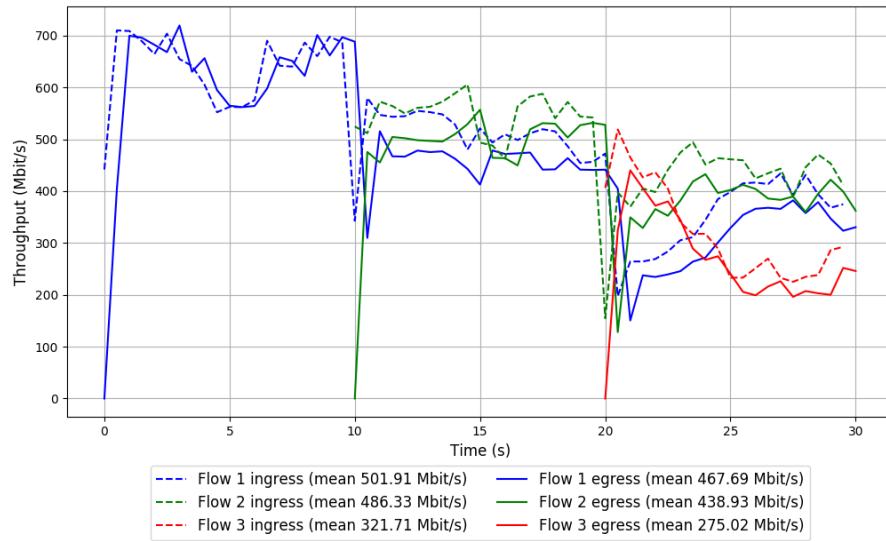
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	487.94	412.27	299.08	26.55	15.62	8.32	5.52	8.78	12.94
Copa	5	6.37	7.01	2.56	1.57	1.43	1.58	53.24	63.62	68.18
TCP Cubic	5	602.23	145.89	249.63	25.22	1.74	1.88	0.11	0.06	0.08
FillP	5	391.32	284.20	205.89	65.91	52.30	31.07	5.19	7.31	15.59
FillP-Sheep	5	332.32	197.23	145.63	12.42	10.40	8.30	3.06	4.34	7.88
Indigo	5	193.14	188.01	183.33	2.05	2.10	2.95	0.01	0.01	0.02
Indigo-MusesC3	5	281.31	320.81	279.22	3.33	3.42	3.45	0.31	0.63	0.67
Indigo-MusesC5	5	272.01	226.15	246.93	3.79	3.52	2.85	0.23	0.28	0.93
Indigo-MusesD	5	419.32	279.18	68.51	7.94	5.66	1.53	0.44	0.57	0.43
Indigo-MusesT	5	347.18	243.32	251.93	3.59	1.53	3.17	0.07	0.13	0.34
LEDBAT	5	336.90	248.13	290.50	8.10	5.76	6.17	0.04	0.10	0.16
Muses_DecisionTree	5	88.96	157.55	97.61	1.30	1.79	1.04	0.02	0.03	0.01
Muses_DecisionTreeH0	5	244.12	222.28	169.47	4.03	2.65	2.90	0.38	0.53	0.13
Muses_DecisionTreeR0	5	149.88	195.83	92.27	1.90	2.17	1.06	0.04	0.11	0.00
PCC-Allegro	5	728.86	166.61	91.45	14.34	2.19	2.18	0.43	0.39	0.36
PCC-Expr	5	0.70	8.88	5.88	1.18	1.16	1.18	85.71	32.18	25.52
QUIC Cubic	5	67.80	61.54	52.19	1.69	2.74	3.18	0.00	0.01	0.00
SCReAM	5	0.22	0.22	0.22	1.16	1.17	1.17	0.00	0.00	0.00
Sprout	5	29.73	29.61	39.40	4.49	4.36	3.92	0.03	0.07	0.07
TaoVA-100x	5	10.70	8.17	4.98	1.45	1.05	2.24	64.19	87.32	92.58
TCP Vegas	5	169.77	292.18	325.23	1.65	2.62	1.17	0.01	0.04	0.04
Verus	5	172.09	234.38	128.13	9.44	22.12	48.67	5.67	10.10	10.28
PCC-Vivace	5	282.45	261.32	149.55	9.37	28.56	2.14	0.07	0.05	0.08
WebRTC media	5	0.48	0.33	0.16	3.08	2.83	2.31	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-09-18 09:17:10
End at: 2019-09-18 09:17:40
Local clock offset: -2.644 ms
Remote clock offset: -0.598 ms

# Below is generated by plot.py at 2019-09-18 12:25:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 851.61 Mbit/s
95th percentile per-packet one-way delay: 28.746 ms
Loss rate: 8.71%
-- Flow 1:
Average throughput: 467.69 Mbit/s
95th percentile per-packet one-way delay: 34.206 ms
Loss rate: 6.81%
-- Flow 2:
Average throughput: 438.93 Mbit/s
95th percentile per-packet one-way delay: 6.255 ms
Loss rate: 9.74%
-- Flow 3:
Average throughput: 275.02 Mbit/s
95th percentile per-packet one-way delay: 12.046 ms
Loss rate: 14.49%
```

Run 1: Report of TCP BBR — Data Link

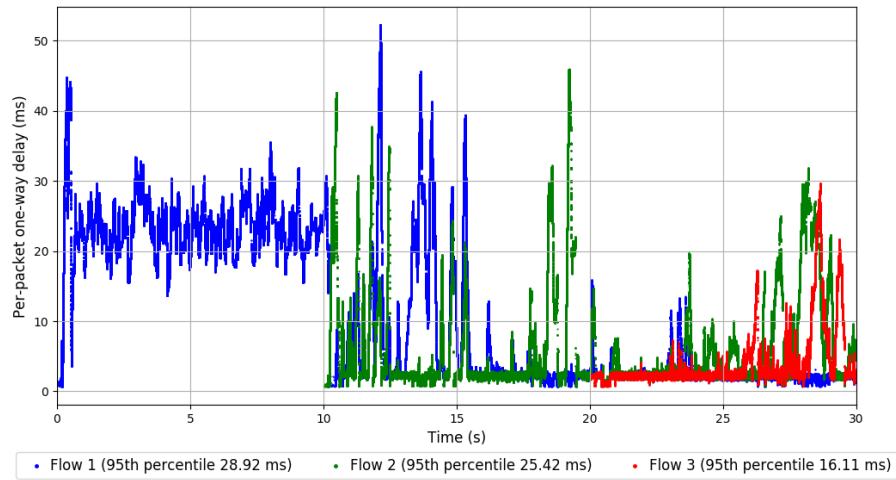
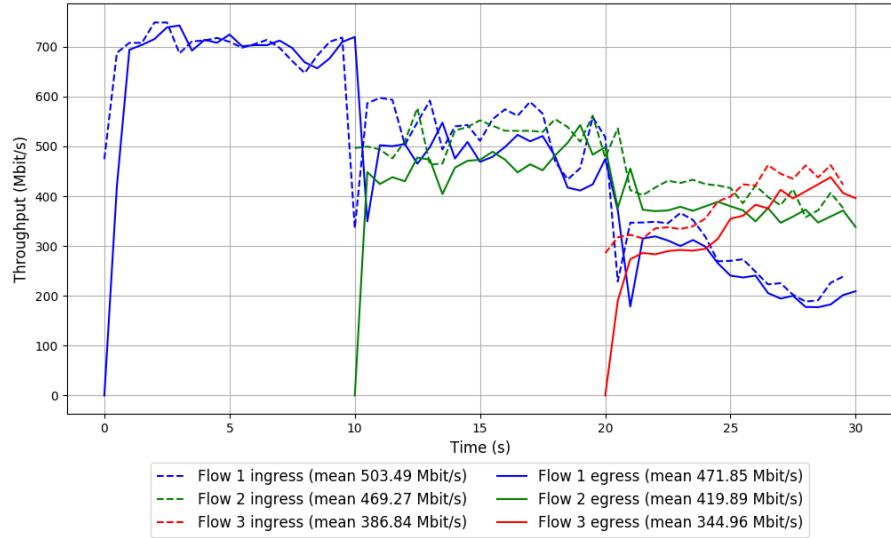


Run 2: Statistics of TCP BBR

```
Start at: 2019-09-18 09:52:36
End at: 2019-09-18 09:53:06
Local clock offset: 0.509 ms
Remote clock offset: 4.84 ms

# Below is generated by plot.py at 2019-09-18 12:25:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 866.09 Mbit/s
95th percentile per-packet one-way delay: 27.798 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 471.85 Mbit/s
95th percentile per-packet one-way delay: 28.917 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 419.89 Mbit/s
95th percentile per-packet one-way delay: 25.416 ms
Loss rate: 10.51%
-- Flow 3:
Average throughput: 344.96 Mbit/s
95th percentile per-packet one-way delay: 16.107 ms
Loss rate: 10.82%
```

Run 2: Report of TCP BBR — Data Link

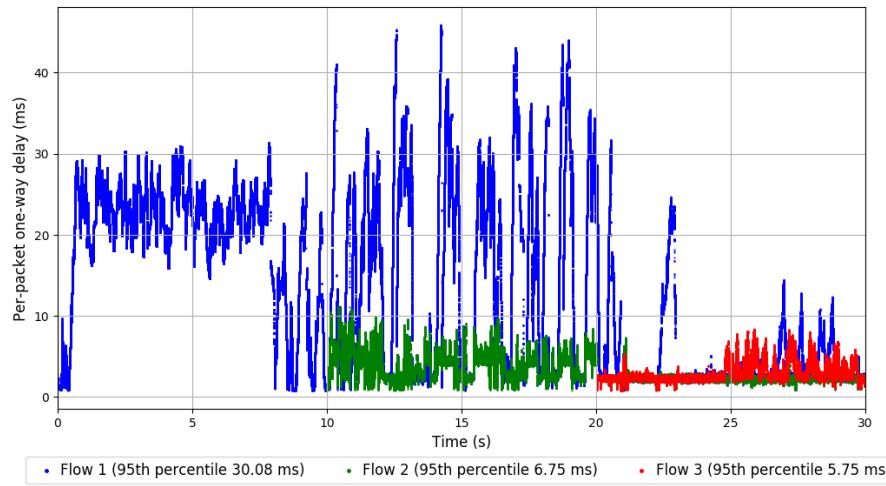
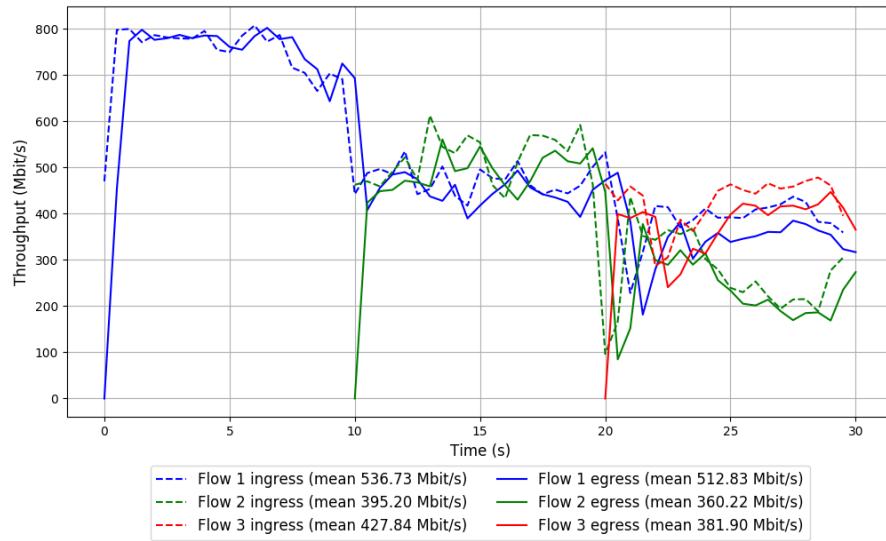


Run 3: Statistics of TCP BBR

```
Start at: 2019-09-18 10:27:42
End at: 2019-09-18 10:28:12
Local clock offset: 1.539 ms
Remote clock offset: 4.36 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 879.77 Mbit/s
95th percentile per-packet one-way delay: 27.987 ms
Loss rate: 6.63%
-- Flow 1:
Average throughput: 512.83 Mbit/s
95th percentile per-packet one-way delay: 30.084 ms
Loss rate: 4.45%
-- Flow 2:
Average throughput: 360.22 Mbit/s
95th percentile per-packet one-way delay: 6.747 ms
Loss rate: 8.85%
-- Flow 3:
Average throughput: 381.90 Mbit/s
95th percentile per-packet one-way delay: 5.746 ms
Loss rate: 10.73%
```

Run 3: Report of TCP BBR — Data Link

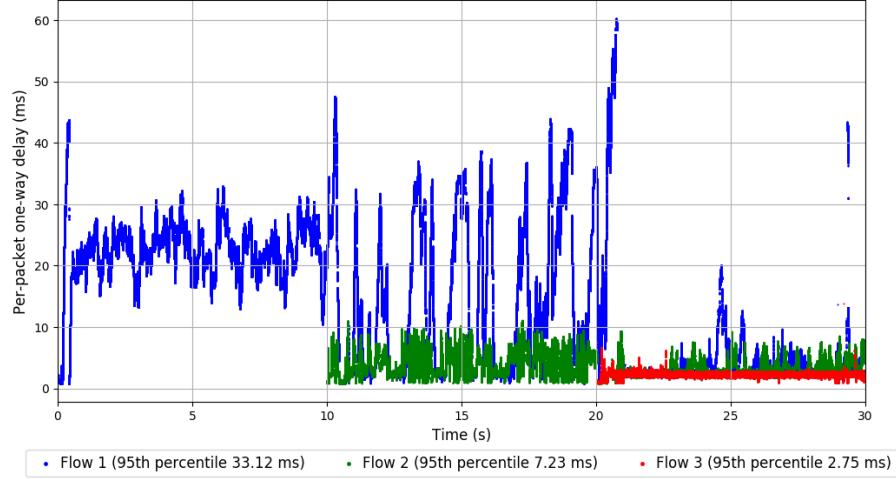
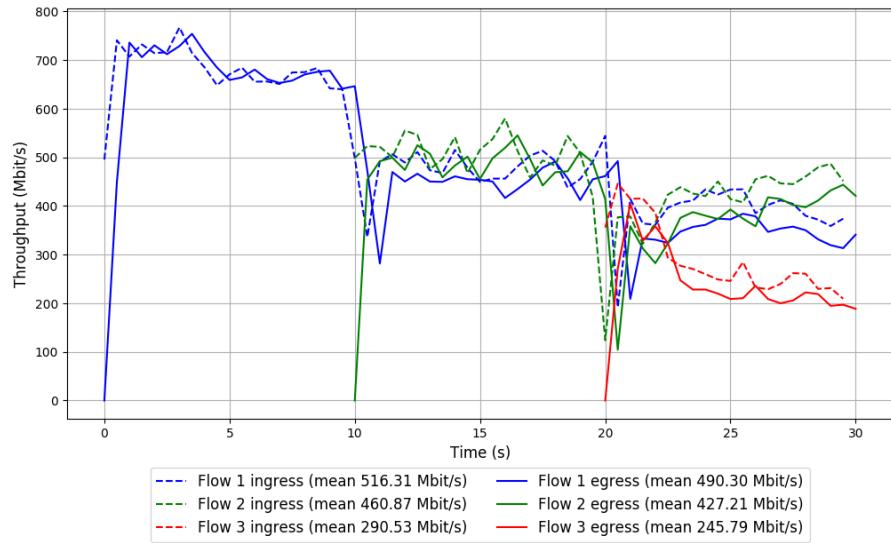


Run 4: Statistics of TCP BBR

```
Start at: 2019-09-18 11:03:09
End at: 2019-09-18 11:03:39
Local clock offset: -2.992 ms
Remote clock offset: 3.449 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 856.65 Mbit/s
95th percentile per-packet one-way delay: 29.291 ms
Loss rate: 6.87%
-- Flow 1:
Average throughput: 490.30 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 427.21 Mbit/s
95th percentile per-packet one-way delay: 7.232 ms
Loss rate: 7.29%
-- Flow 3:
Average throughput: 245.79 Mbit/s
95th percentile per-packet one-way delay: 2.746 ms
Loss rate: 15.39%
```

Run 4: Report of TCP BBR — Data Link

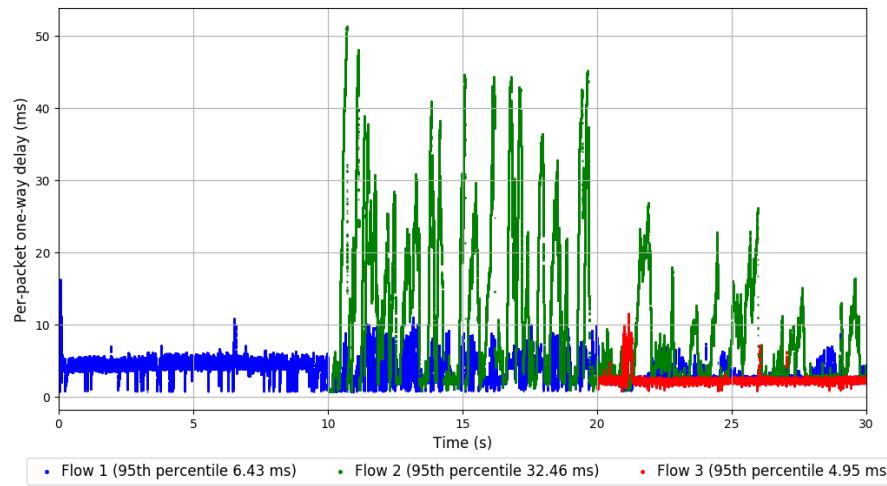
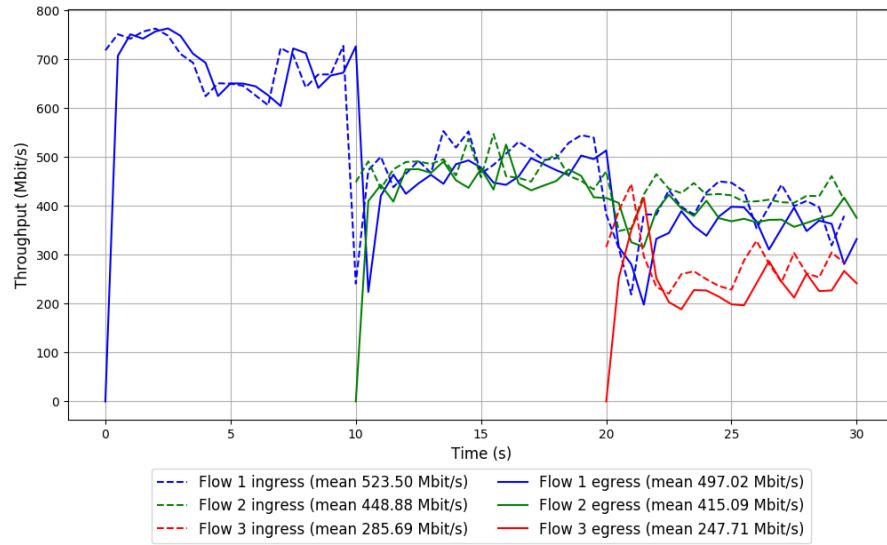


Run 5: Statistics of TCP BBR

```
Start at: 2019-09-18 11:38:13
End at: 2019-09-18 11:38:43
Local clock offset: -0.398 ms
Remote clock offset: 3.098 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 855.85 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 497.02 Mbit/s
95th percentile per-packet one-way delay: 6.431 ms
Loss rate: 5.06%
-- Flow 2:
Average throughput: 415.09 Mbit/s
95th percentile per-packet one-way delay: 32.461 ms
Loss rate: 7.52%
-- Flow 3:
Average throughput: 247.71 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 13.29%
```

Run 5: Report of TCP BBR — Data Link

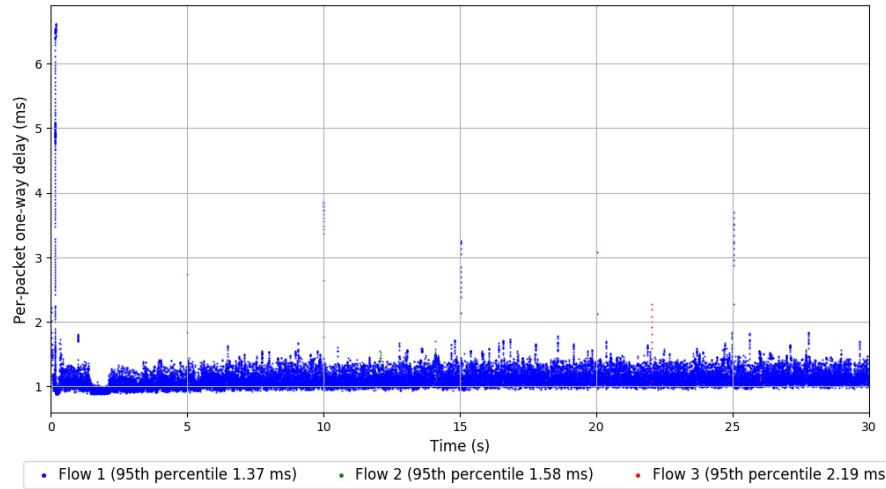
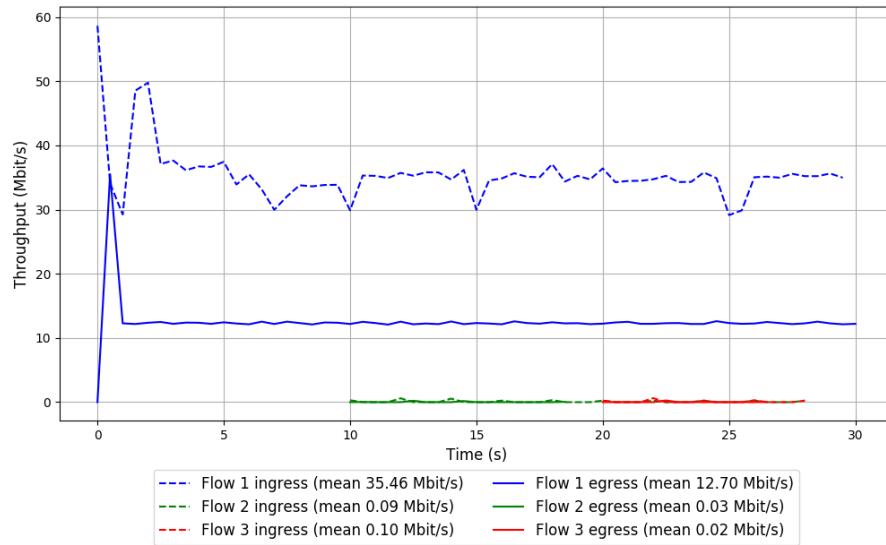


Run 1: Statistics of Copa

```
Start at: 2019-09-18 09:34:27
End at: 2019-09-18 09:34:57
Local clock offset: -2.008 ms
Remote clock offset: 2.785 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 1.376 ms
Loss rate: 64.24%
-- Flow 1:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 64.19%
-- Flow 2:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 1.580 ms
Loss rate: 85.66%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 2.189 ms
Loss rate: 82.25%
```

Run 1: Report of Copa — Data Link

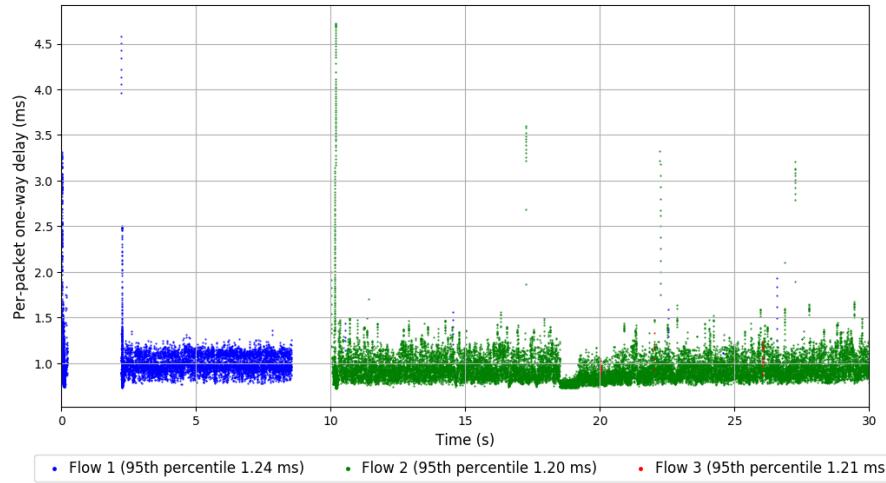
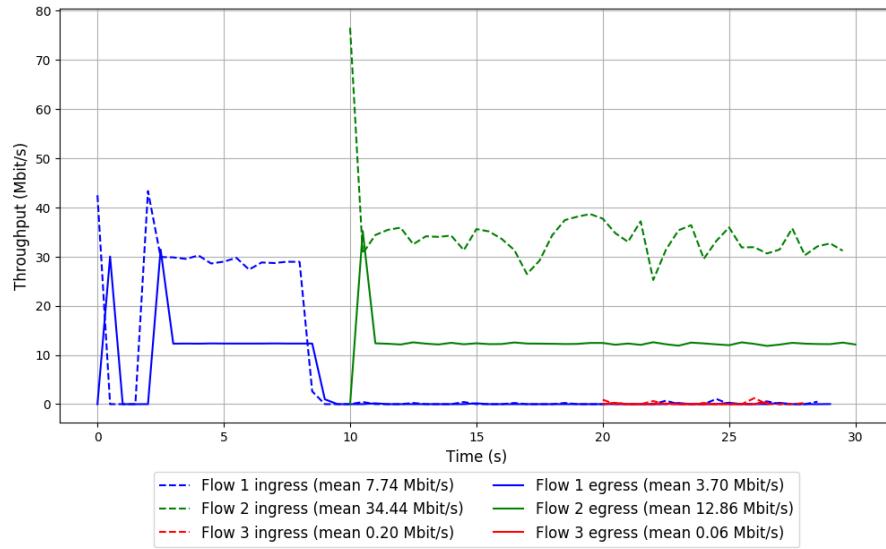


Run 2: Statistics of Copa

```
Start at: 2019-09-18 10:10:10
End at: 2019-09-18 10:10:40
Local clock offset: 1.067 ms
Remote clock offset: 3.945 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 60.16%
-- Flow 1:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 52.23%
-- Flow 2:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 62.66%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 77.56%
```

Run 2: Report of Copa — Data Link

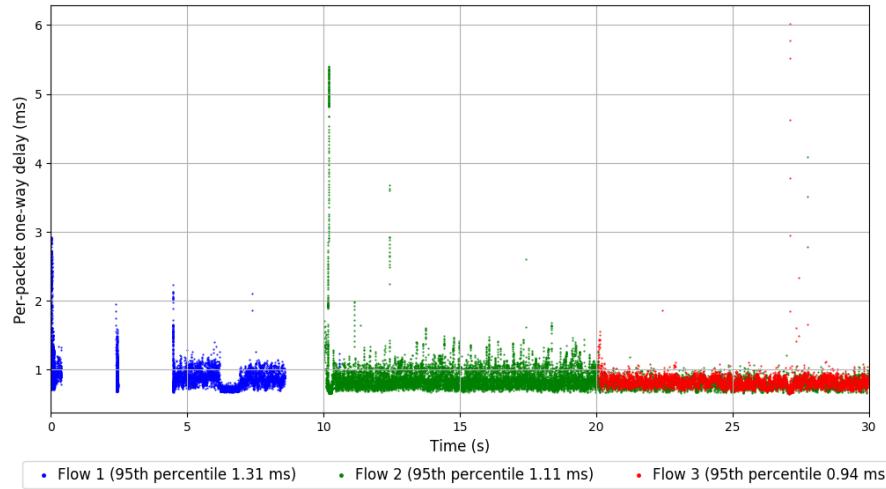
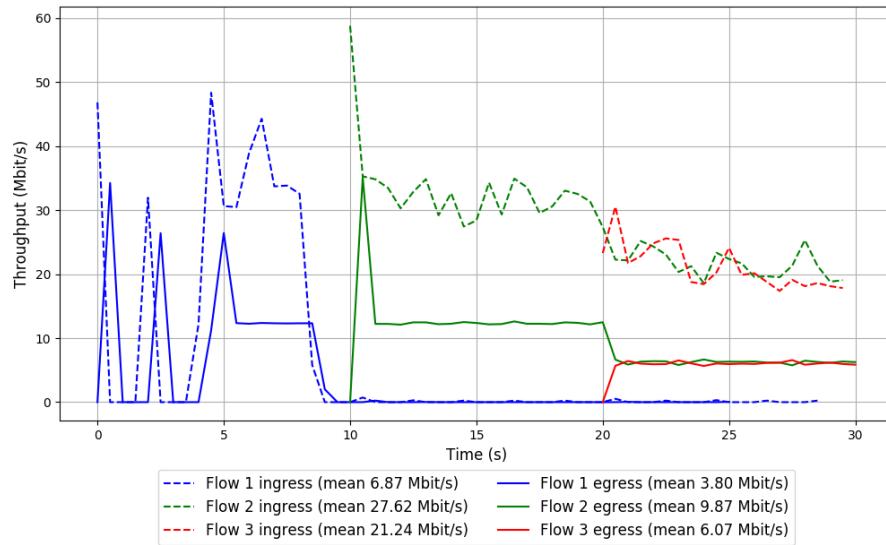


Run 3: Statistics of Copa

```
Start at: 2019-09-18 10:45:23
End at: 2019-09-18 10:45:53
Local clock offset: -2.361 ms
Remote clock offset: 3.369 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 63.43%
-- Flow 1:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 52.42%
-- Flow 2:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 64.27%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 71.45%
```

Run 3: Report of Copa — Data Link

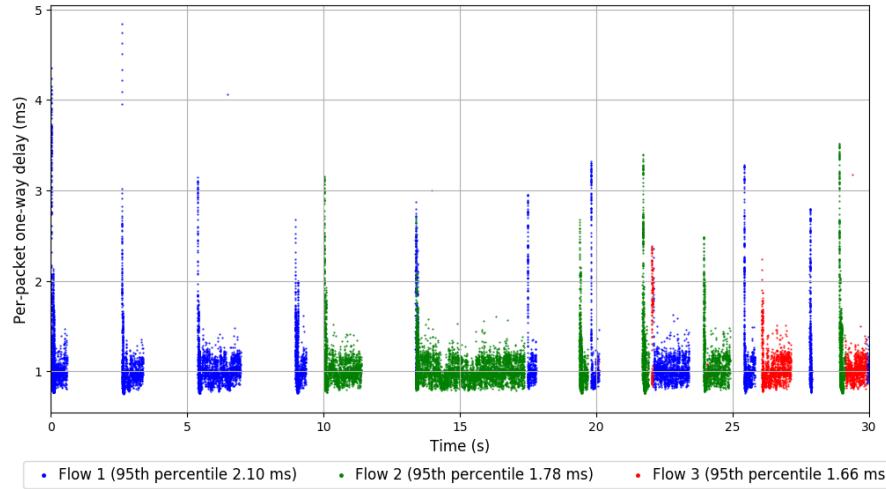
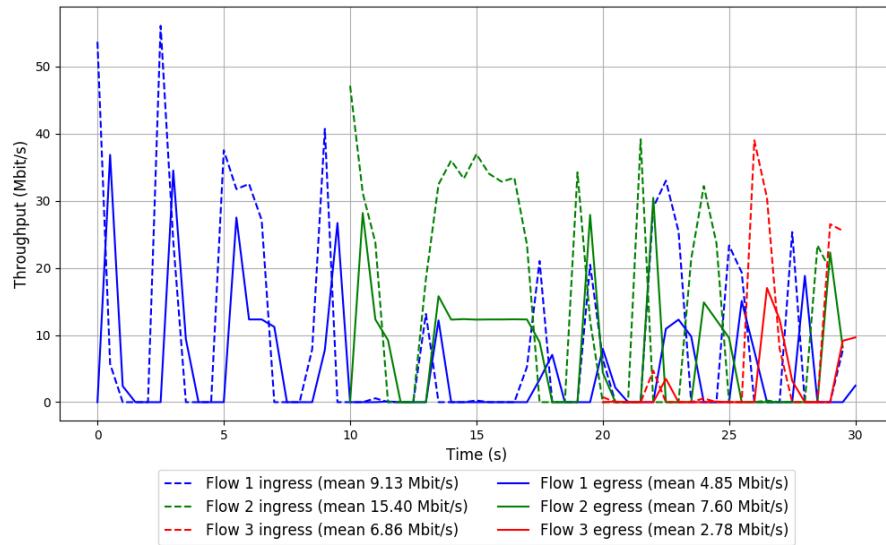


Run 4: Statistics of Copa

```
Start at: 2019-09-18 11:20:28
End at: 2019-09-18 11:20:58
Local clock offset: -1.74 ms
Remote clock offset: 3.047 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 1.916 ms
Loss rate: 49.97%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 2.098 ms
Loss rate: 46.89%
-- Flow 2:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 1.785 ms
Loss rate: 50.65%
-- Flow 3:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 1.660 ms
Loss rate: 59.48%
```

Run 4: Report of Copa — Data Link

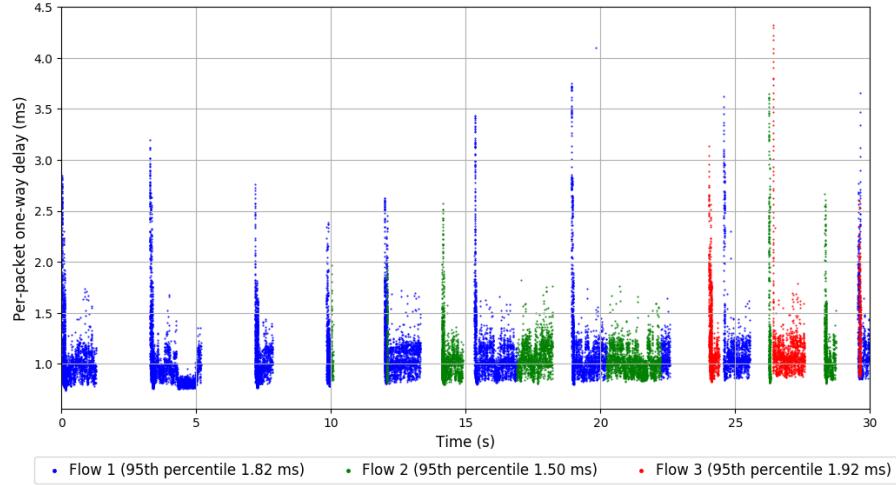
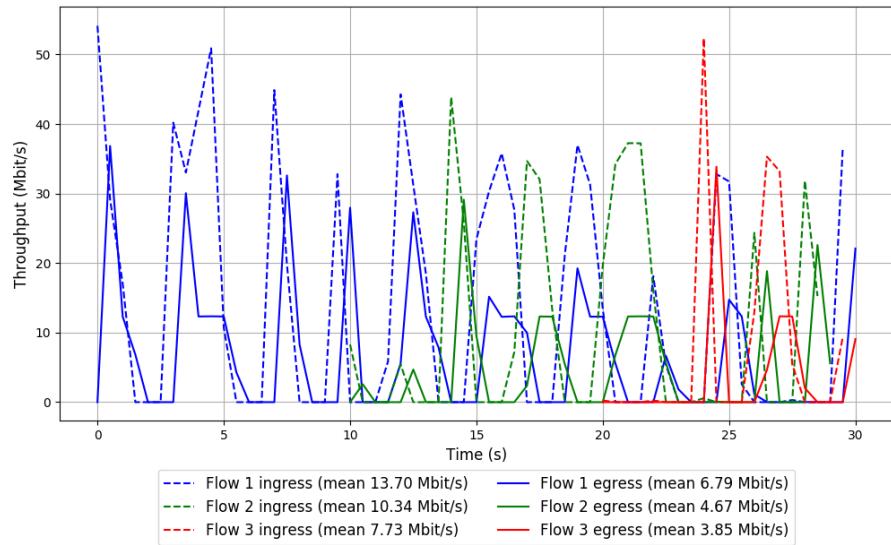


Run 5: Statistics of Copa

```
Start at: 2019-09-18 11:55:24
End at: 2019-09-18 11:55:54
Local clock offset: 0.635 ms
Remote clock offset: -0.561 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 51.69%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 1.823 ms
Loss rate: 50.46%
-- Flow 2:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 1.504 ms
Loss rate: 54.86%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 1.919 ms
Loss rate: 50.18%
```

Run 5: Report of Copa — Data Link

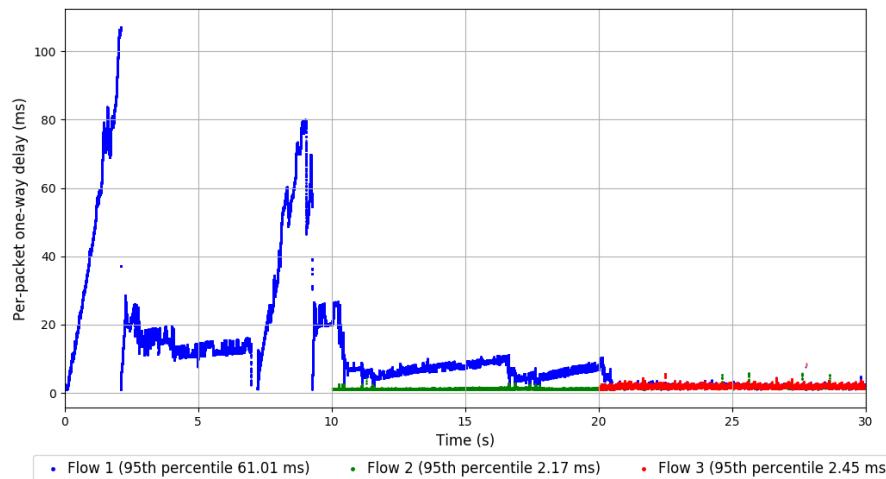
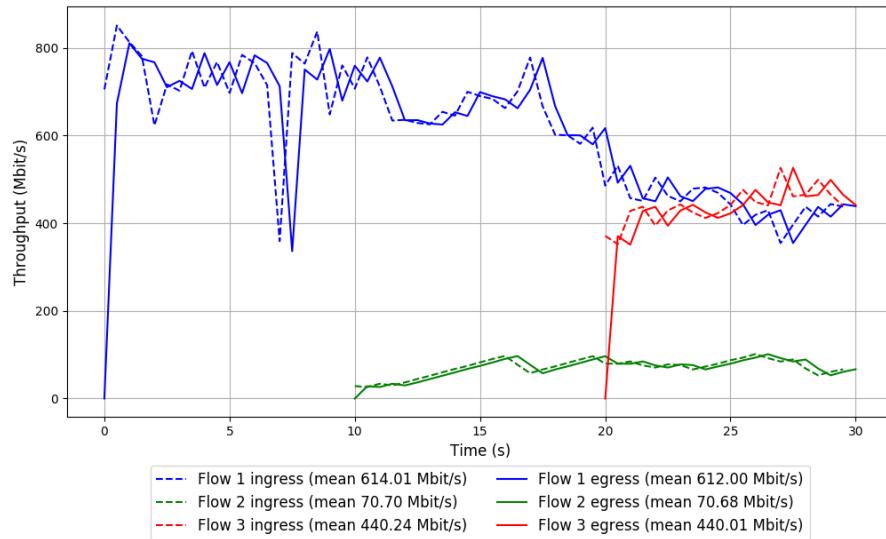


```
Run 1: Statistics of TCP Cubic

Start at: 2019-09-18 09:31:26
End at: 2019-09-18 09:31:56
Local clock offset: -3.012 ms
Remote clock offset: 2.262 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 805.36 Mbit/s
95th percentile per-packet one-way delay: 56.466 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 612.00 Mbit/s
95th percentile per-packet one-way delay: 61.005 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 2.166 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 440.01 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Cubic — Data Link

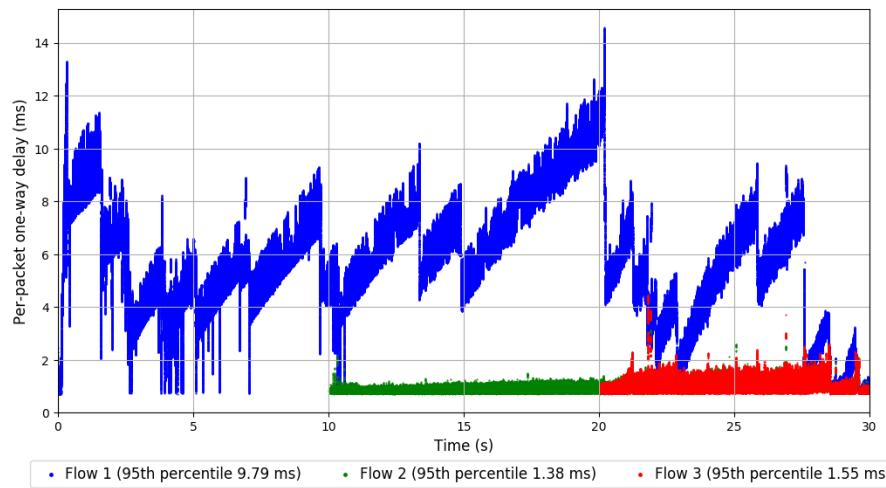
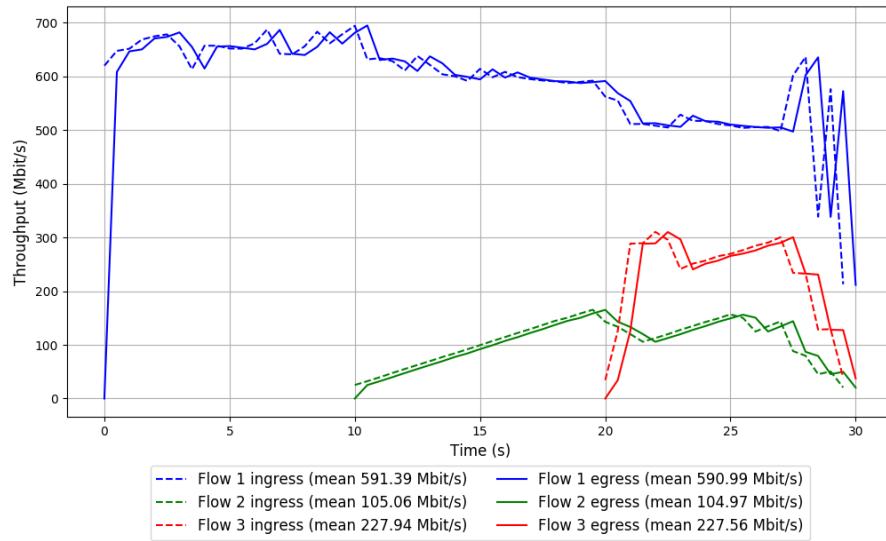


Run 2: Statistics of TCP Cubic

```
Start at: 2019-09-18 10:06:55
End at: 2019-09-18 10:07:25
Local clock offset: 1.025 ms
Remote clock offset: 4.049 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.52 Mbit/s
95th percentile per-packet one-way delay: 9.554 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 590.99 Mbit/s
95th percentile per-packet one-way delay: 9.786 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 104.97 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 227.56 Mbit/s
95th percentile per-packet one-way delay: 1.554 ms
Loss rate: 0.16%
```

Run 2: Report of TCP Cubic — Data Link

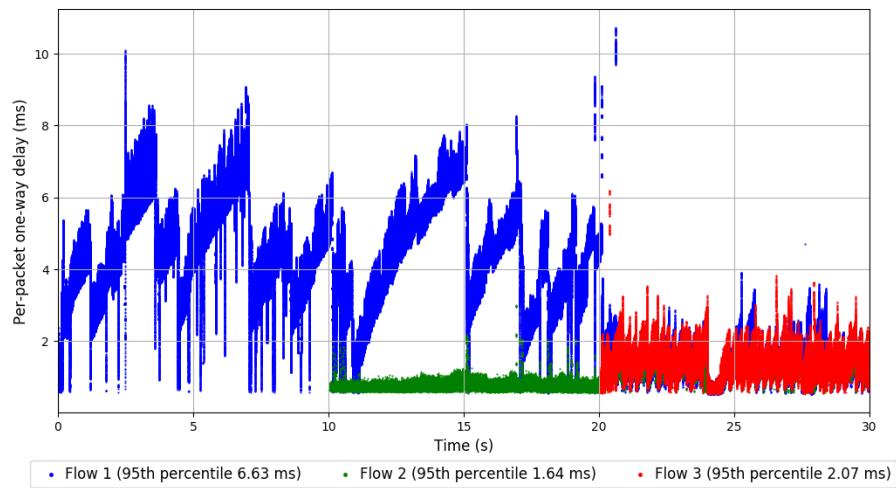
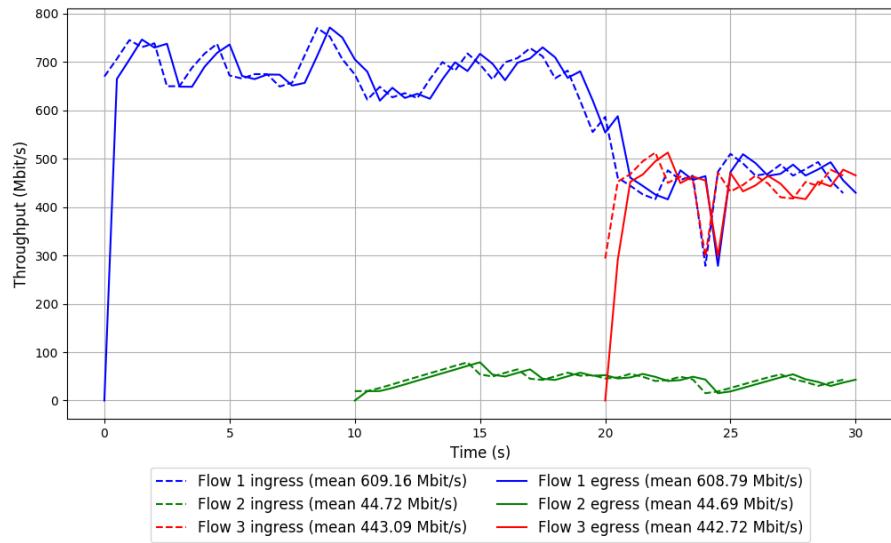


Run 3: Statistics of TCP Cubic

```
Start at: 2019-09-18 10:42:09
End at: 2019-09-18 10:42:39
Local clock offset: -1.898 ms
Remote clock offset: 3.407 ms

# Below is generated by plot.py at 2019-09-18 12:25:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.65 Mbit/s
95th percentile per-packet one-way delay: 6.482 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 608.79 Mbit/s
95th percentile per-packet one-way delay: 6.631 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 1.640 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 442.72 Mbit/s
95th percentile per-packet one-way delay: 2.071 ms
Loss rate: 0.08%
```

Run 3: Report of TCP Cubic — Data Link

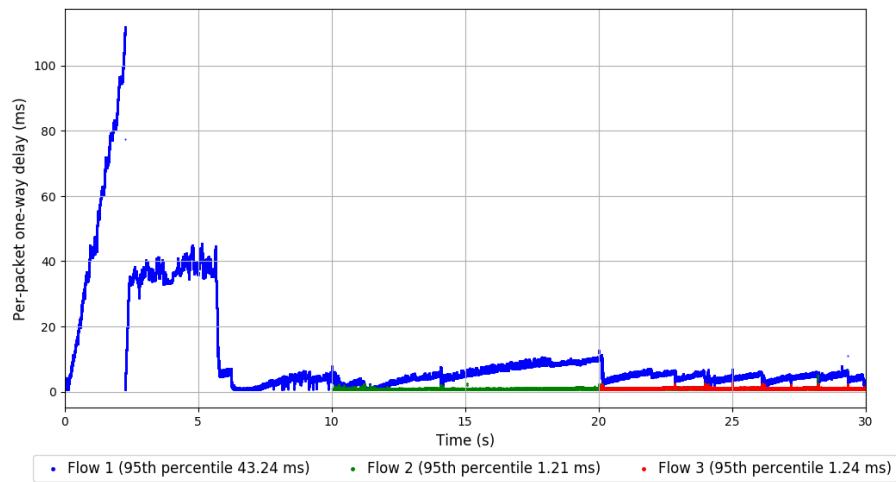
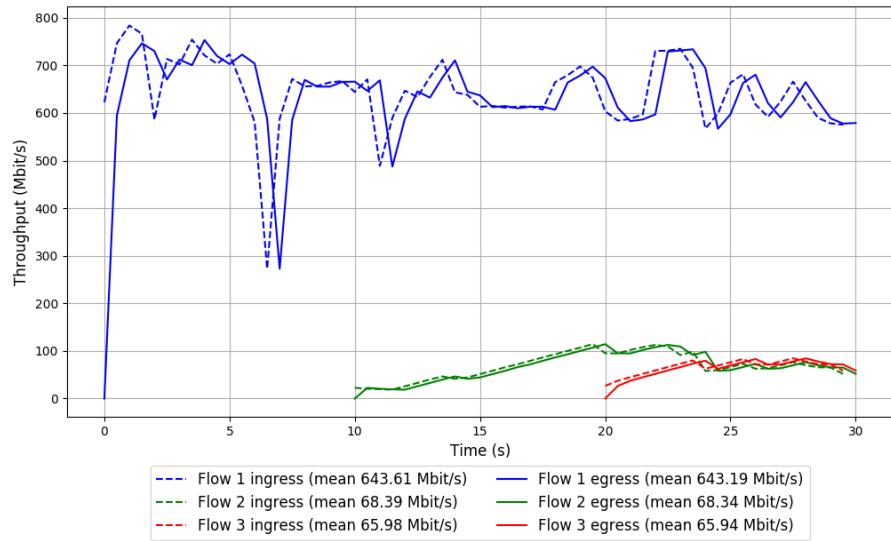


Run 4: Statistics of TCP Cubic

```
Start at: 2019-09-18 11:17:35
End at: 2019-09-18 11:18:05
Local clock offset: -1.841 ms
Remote clock offset: 3.021 ms

# Below is generated by plot.py at 2019-09-18 12:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 710.62 Mbit/s
95th percentile per-packet one-way delay: 42.051 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 643.19 Mbit/s
95th percentile per-packet one-way delay: 43.240 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 68.34 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Cubic — Data Link

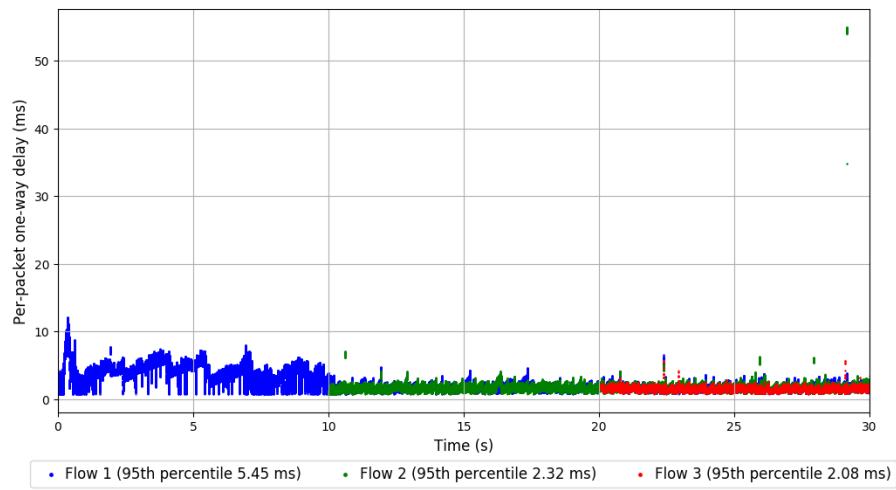
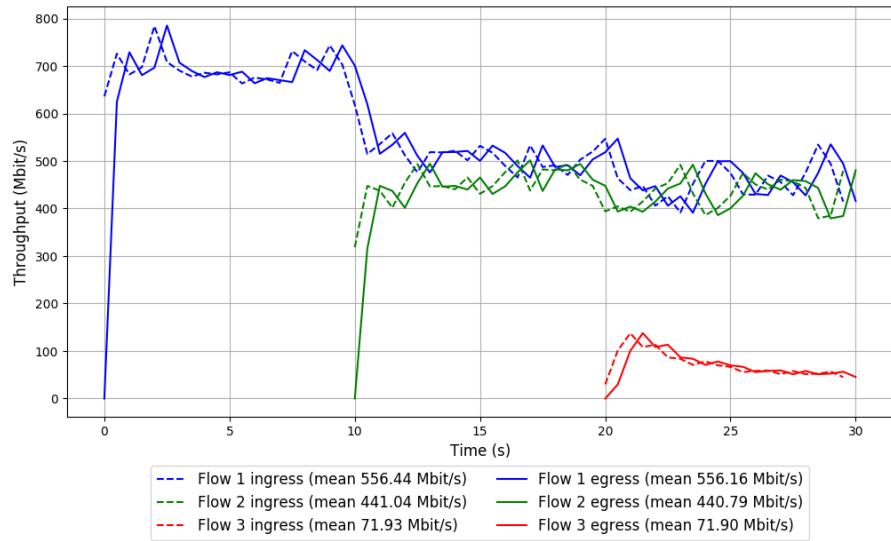


Run 5: Statistics of TCP Cubic

```
Start at: 2019-09-18 11:52:22
End at: 2019-09-18 11:52:52
Local clock offset: 0.561 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2019-09-18 12:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 873.68 Mbit/s
95th percentile per-packet one-way delay: 5.048 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 556.16 Mbit/s
95th percentile per-packet one-way delay: 5.451 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 440.79 Mbit/s
95th percentile per-packet one-way delay: 2.316 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 71.90 Mbit/s
95th percentile per-packet one-way delay: 2.080 ms
Loss rate: 0.04%
```

Run 5: Report of TCP Cubic — Data Link

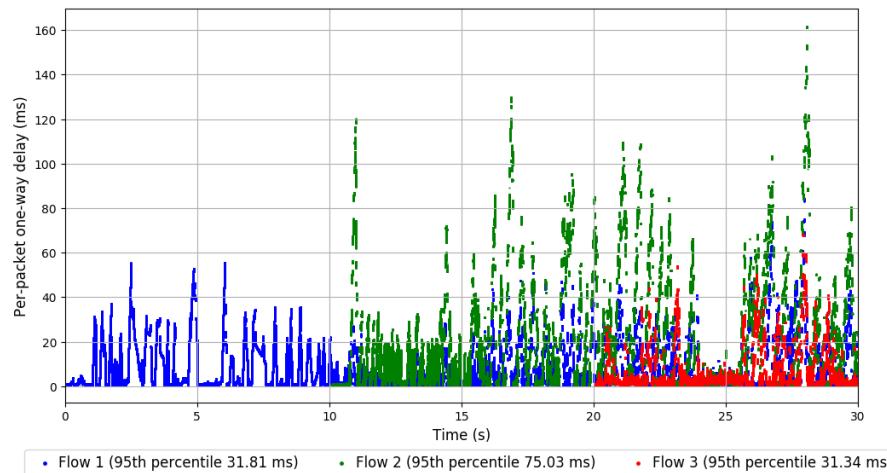
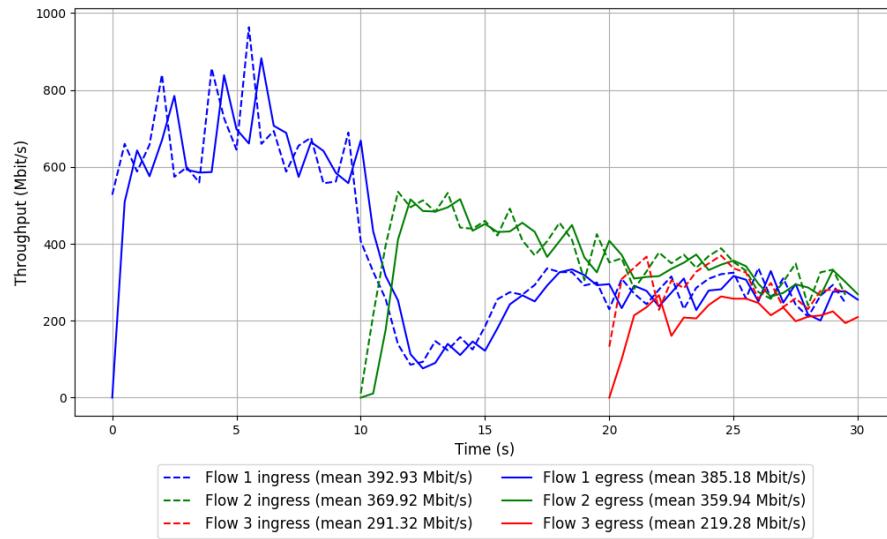


```
Run 1: Statistics of FillP

Start at: 2019-09-18 09:42:05
End at: 2019-09-18 09:42:35
Local clock offset: -0.457 ms
Remote clock offset: 3.874 ms

# Below is generated by plot.py at 2019-09-18 12:35:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 697.63 Mbit/s
95th percentile per-packet one-way delay: 51.812 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 385.18 Mbit/s
95th percentile per-packet one-way delay: 31.812 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 359.94 Mbit/s
95th percentile per-packet one-way delay: 75.032 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 219.28 Mbit/s
95th percentile per-packet one-way delay: 31.340 ms
Loss rate: 24.72%
```

Run 1: Report of FillP — Data Link

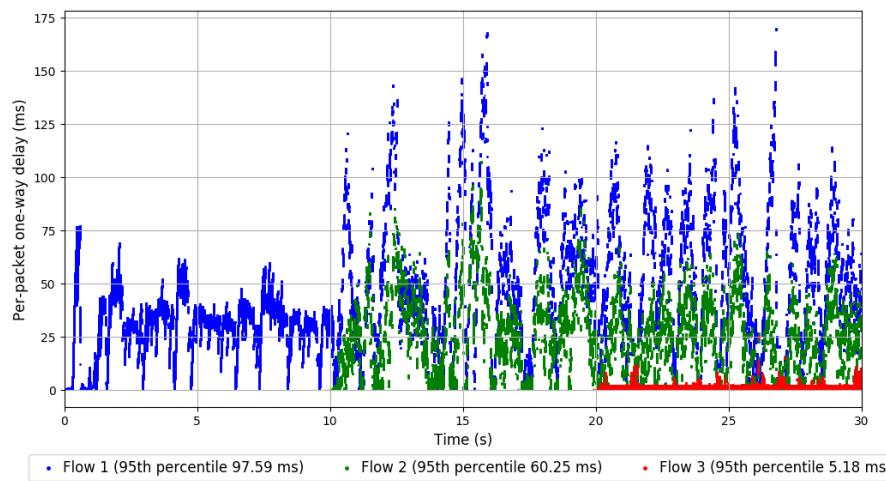
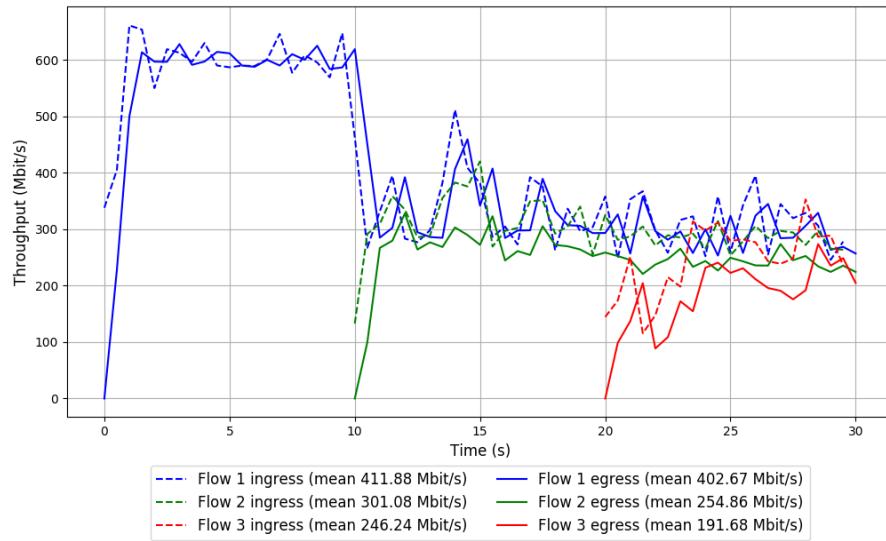


Run 2: Statistics of FillP

```
Start at: 2019-09-18 10:17:29
End at: 2019-09-18 10:17:59
Local clock offset: 1.284 ms
Remote clock offset: 4.038 ms

# Below is generated by plot.py at 2019-09-18 12:35:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 636.07 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 8.36%
-- Flow 1:
Average throughput: 402.67 Mbit/s
95th percentile per-packet one-way delay: 97.588 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 254.86 Mbit/s
95th percentile per-packet one-way delay: 60.246 ms
Loss rate: 15.35%
-- Flow 3:
Average throughput: 191.68 Mbit/s
95th percentile per-packet one-way delay: 5.184 ms
Loss rate: 22.09%
```

Run 2: Report of FillP — Data Link

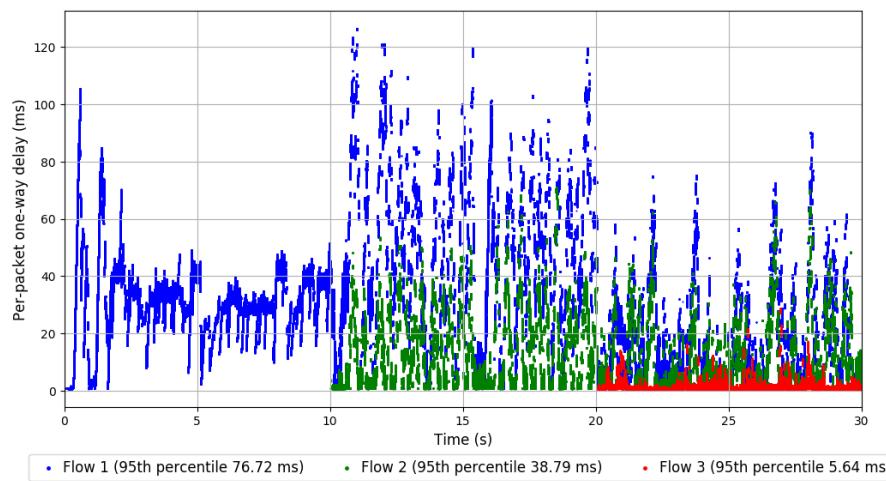
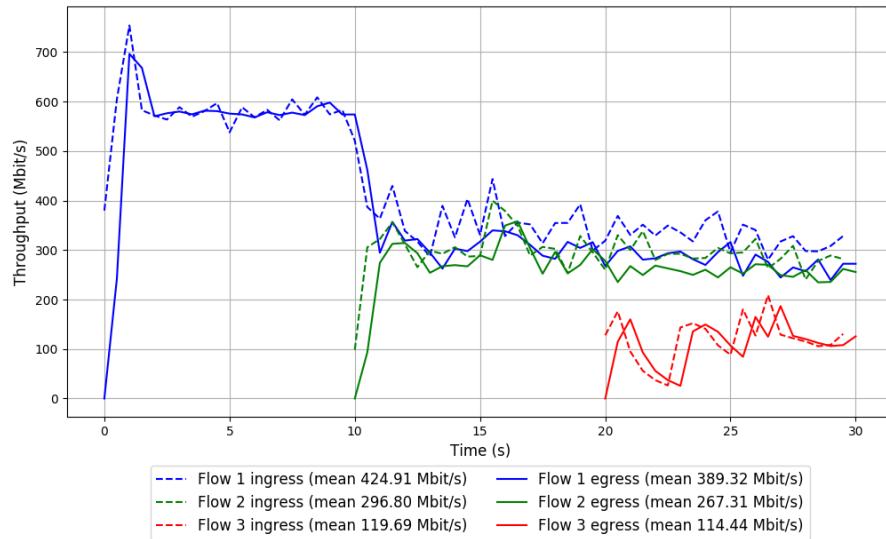


```
Run 3: Statistics of FillP
```

```
Start at: 2019-09-18 10:52:43
End at: 2019-09-18 10:53:13
Local clock offset: -3.085 ms
Remote clock offset: 3.324 ms

# Below is generated by plot.py at 2019-09-18 12:35:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 605.06 Mbit/s
95th percentile per-packet one-way delay: 69.997 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 389.32 Mbit/s
95th percentile per-packet one-way delay: 76.717 ms
Loss rate: 8.37%
-- Flow 2:
Average throughput: 267.31 Mbit/s
95th percentile per-packet one-way delay: 38.786 ms
Loss rate: 9.93%
-- Flow 3:
Average throughput: 114.44 Mbit/s
95th percentile per-packet one-way delay: 5.640 ms
Loss rate: 4.39%
```

Run 3: Report of FillP — Data Link

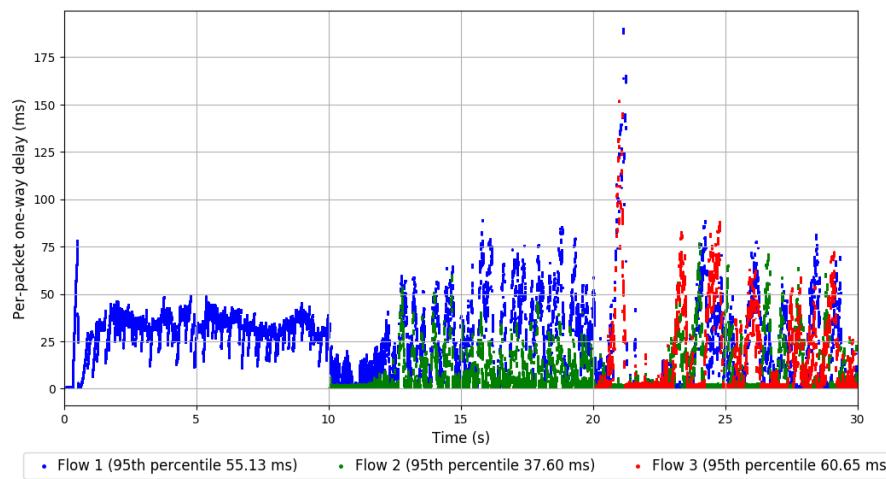
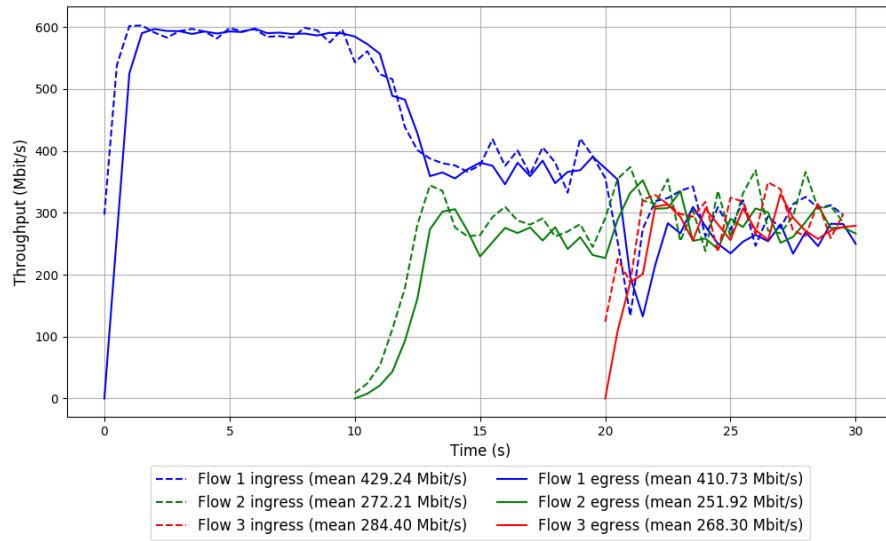


Run 4: Statistics of FillP

```
Start at: 2019-09-18 11:28:08
End at: 2019-09-18 11:28:38
Local clock offset: -1.64 ms
Remote clock offset: 3.085 ms

# Below is generated by plot.py at 2019-09-18 12:35:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 667.41 Mbit/s
95th percentile per-packet one-way delay: 53.108 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 410.73 Mbit/s
95th percentile per-packet one-way delay: 55.132 ms
Loss rate: 4.27%
-- Flow 2:
Average throughput: 251.92 Mbit/s
95th percentile per-packet one-way delay: 37.599 ms
Loss rate: 7.45%
-- Flow 3:
Average throughput: 268.30 Mbit/s
95th percentile per-packet one-way delay: 60.650 ms
Loss rate: 5.65%
```

Run 4: Report of FillP — Data Link

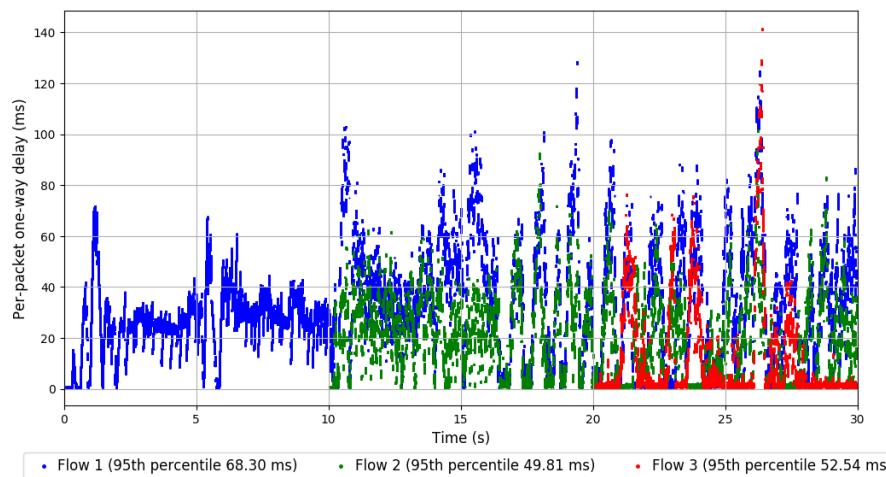
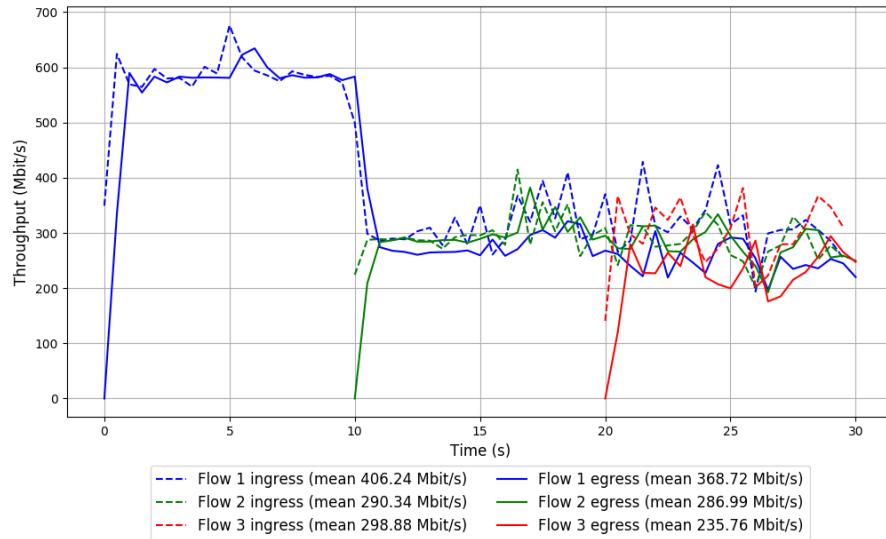


```
Run 5: Statistics of FillP
```

```
Start at: 2019-09-18 12:02:54
End at: 2019-09-18 12:03:24
Local clock offset: 0.682 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at 2019-09-18 12:35:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 638.05 Mbit/s
95th percentile per-packet one-way delay: 62.439 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 368.72 Mbit/s
95th percentile per-packet one-way delay: 68.300 ms
Loss rate: 9.17%
-- Flow 2:
Average throughput: 286.99 Mbit/s
95th percentile per-packet one-way delay: 49.813 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 235.76 Mbit/s
95th percentile per-packet one-way delay: 52.541 ms
Loss rate: 21.12%
```

Run 5: Report of FillP — Data Link

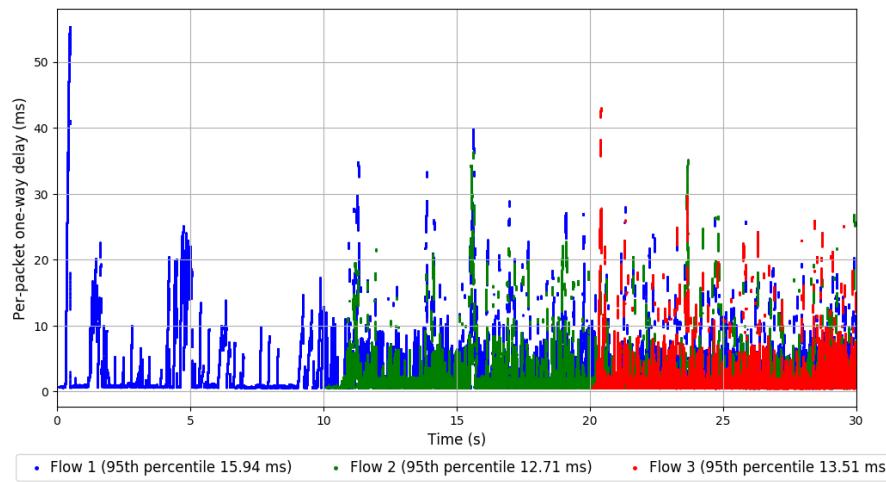
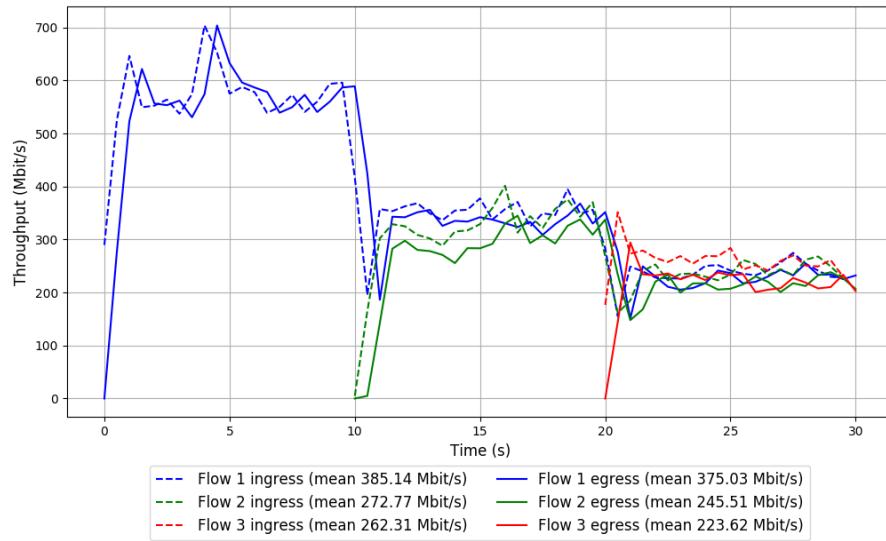


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-09-18 09:26:00
End at: 2019-09-18 09:26:30
Local clock offset: -3.122 ms
Remote clock offset: 0.815 ms

# Below is generated by plot.py at 2019-09-18 12:35:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 612.65 Mbit/s
95th percentile per-packet one-way delay: 15.123 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 375.03 Mbit/s
95th percentile per-packet one-way delay: 15.941 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 245.51 Mbit/s
95th percentile per-packet one-way delay: 12.714 ms
Loss rate: 9.99%
-- Flow 3:
Average throughput: 223.62 Mbit/s
95th percentile per-packet one-way delay: 13.506 ms
Loss rate: 14.65%
```

Run 1: Report of FillP-Sheep — Data Link

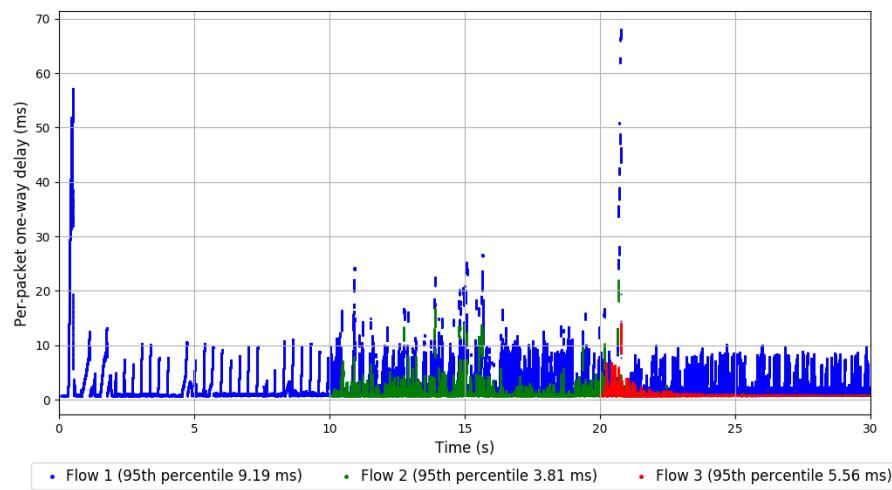
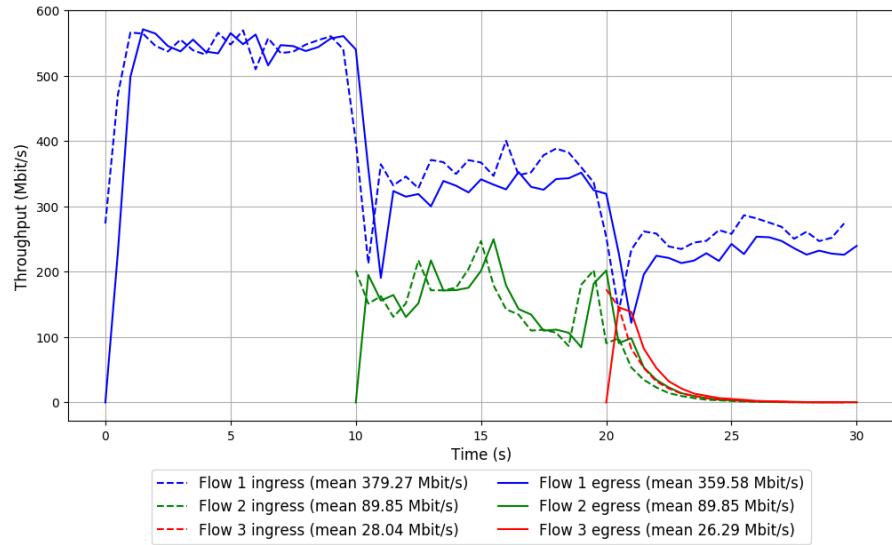


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-09-18 10:01:23
End at: 2019-09-18 10:01:53
Local clock offset: 0.897 ms
Remote clock offset: 4.398 ms

# Below is generated by plot.py at 2019-09-18 12:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.08 Mbit/s
95th percentile per-packet one-way delay: 8.820 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 359.58 Mbit/s
95th percentile per-packet one-way delay: 9.193 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 3.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 5.556 ms
Loss rate: 6.24%
```

Run 2: Report of FillP-Sheep — Data Link

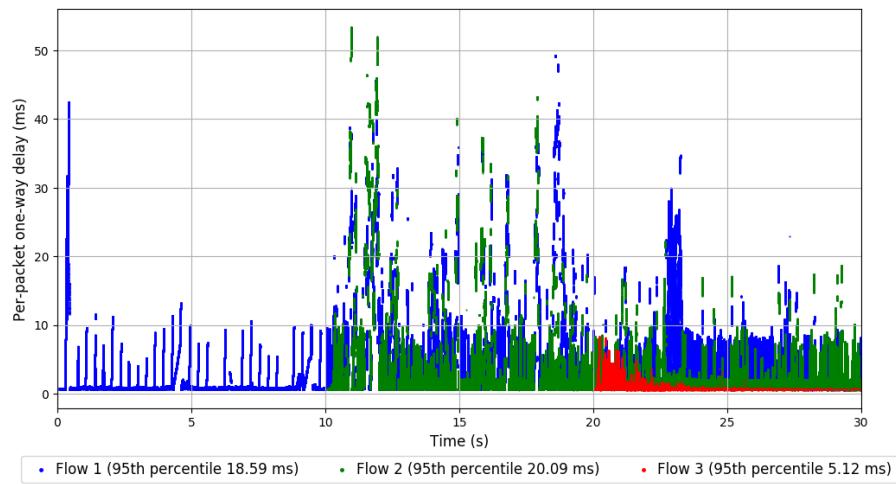
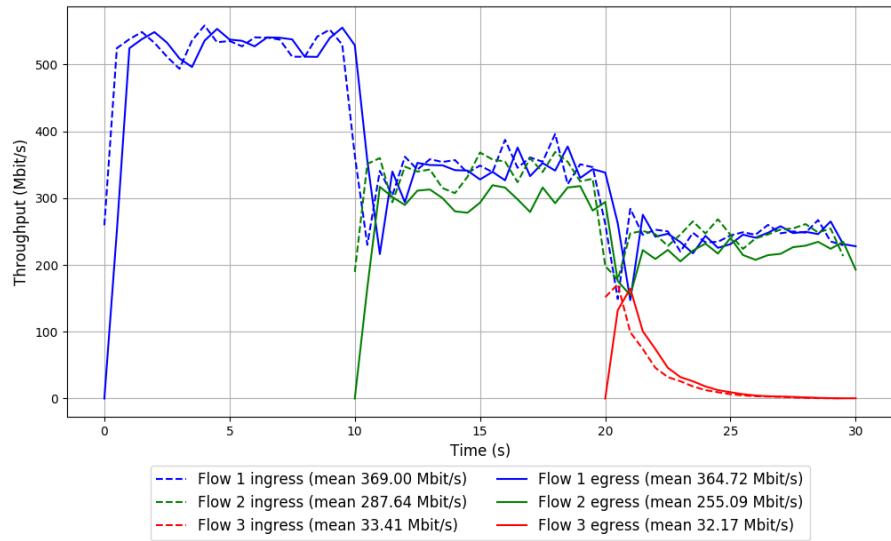


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-09-18 10:36:36
End at: 2019-09-18 10:37:06
Local clock offset: -0.708 ms
Remote clock offset: 3.815 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 545.12 Mbit/s
95th percentile per-packet one-way delay: 18.778 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 364.72 Mbit/s
95th percentile per-packet one-way delay: 18.585 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 255.09 Mbit/s
95th percentile per-packet one-way delay: 20.090 ms
Loss rate: 11.32%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 5.117 ms
Loss rate: 3.71%
```

Run 3: Report of FillP-Sheep — Data Link

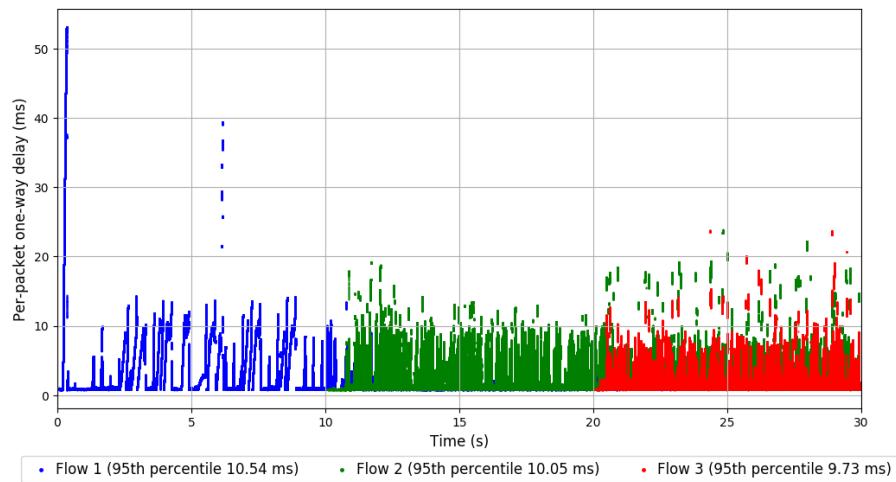
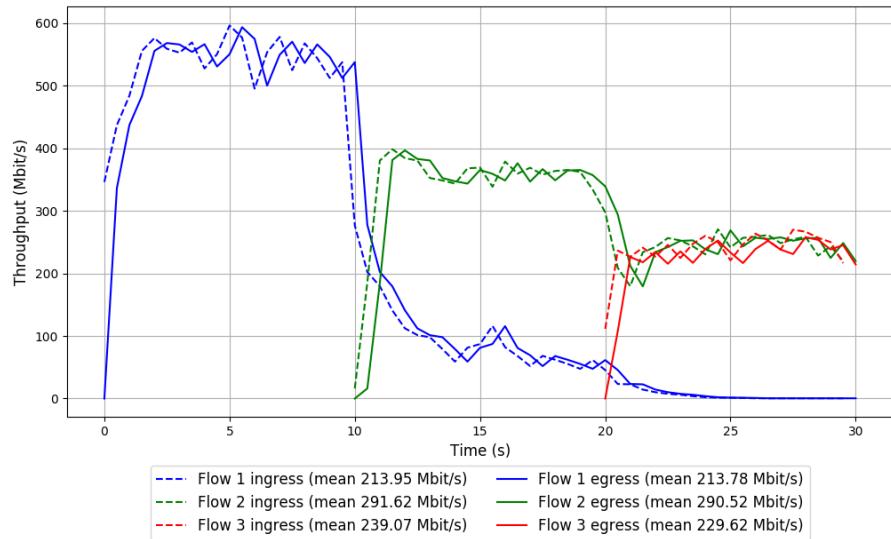


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-09-18 11:11:59
End at: 2019-09-18 11:12:29
Local clock offset: -2.064 ms
Remote clock offset: 3.194 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 483.16 Mbit/s
95th percentile per-packet one-way delay: 10.313 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 213.78 Mbit/s
95th percentile per-packet one-way delay: 10.540 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 290.52 Mbit/s
95th percentile per-packet one-way delay: 10.053 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 229.62 Mbit/s
95th percentile per-packet one-way delay: 9.730 ms
Loss rate: 3.95%
```

Run 4: Report of FillP-Sheep — Data Link

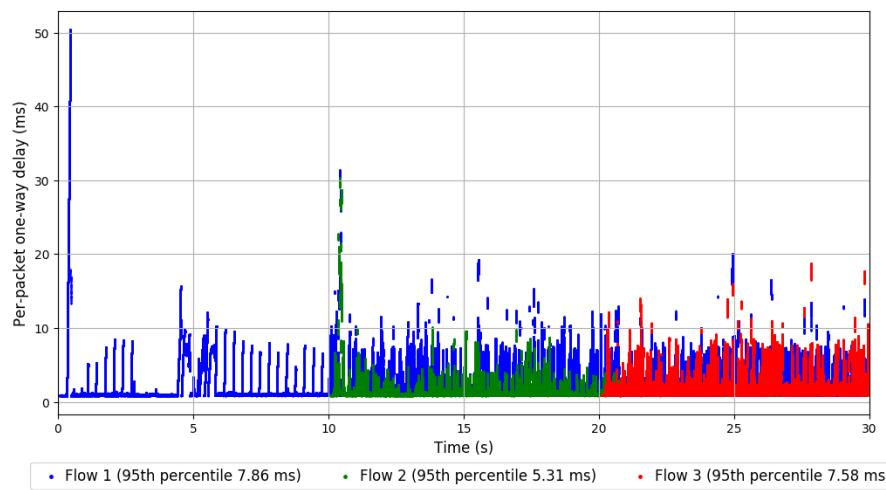
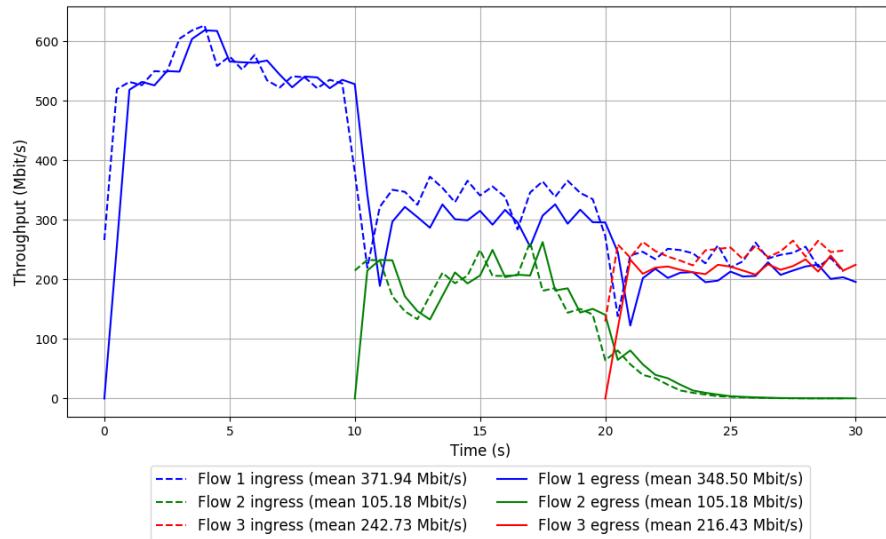


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-09-18 11:46:56
End at: 2019-09-18 11:47:26
Local clock offset: 0.297 ms
Remote clock offset: 0.824 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.84 Mbit/s
95th percentile per-packet one-way delay: 7.656 ms
Loss rate: 6.16%
-- Flow 1:
Average throughput: 348.50 Mbit/s
95th percentile per-packet one-way delay: 7.857 ms
Loss rate: 6.30%
-- Flow 2:
Average throughput: 105.18 Mbit/s
95th percentile per-packet one-way delay: 5.314 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 216.43 Mbit/s
95th percentile per-packet one-way delay: 7.584 ms
Loss rate: 10.83%
```

Run 5: Report of FillP-Sheep — Data Link

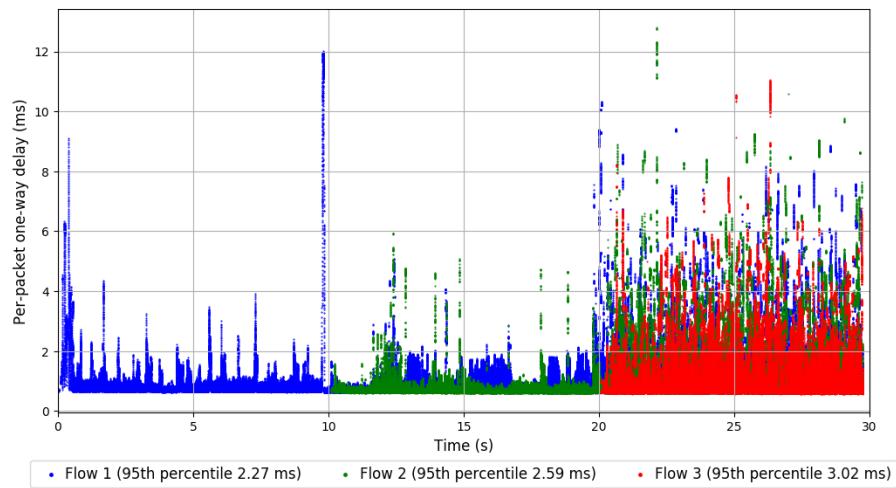
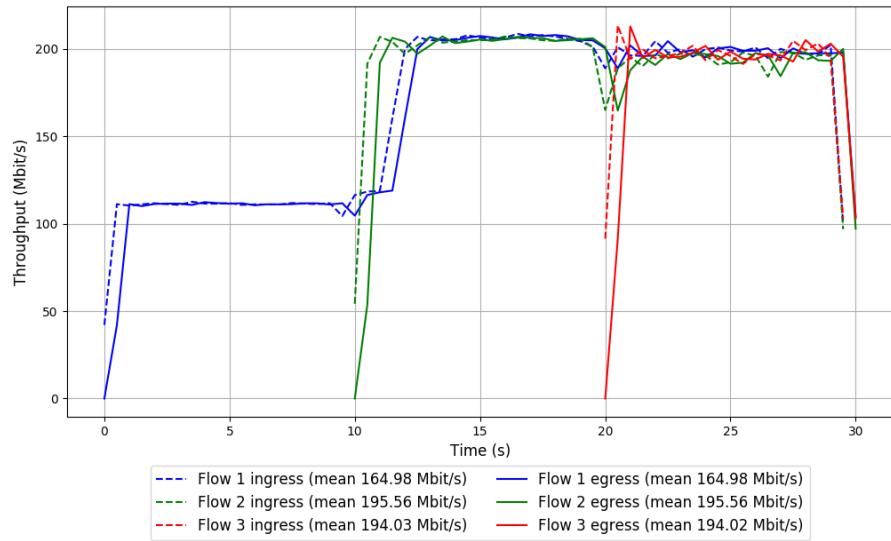


Run 1: Statistics of Indigo

```
Start at: 2019-09-18 09:12:47
End at: 2019-09-18 09:13:17
Local clock offset: -2.244 ms
Remote clock offset: -0.574 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.30 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.98 Mbit/s
95th percentile per-packet one-way delay: 2.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.56 Mbit/s
95th percentile per-packet one-way delay: 2.593 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 194.02 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

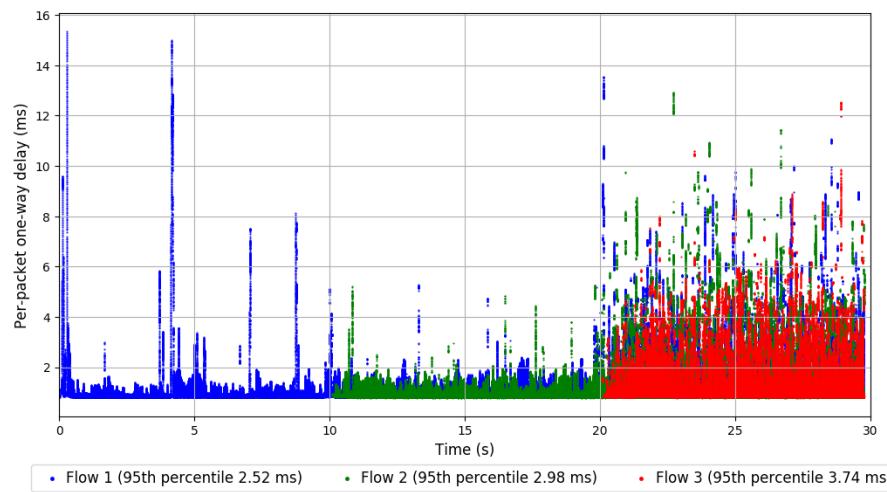
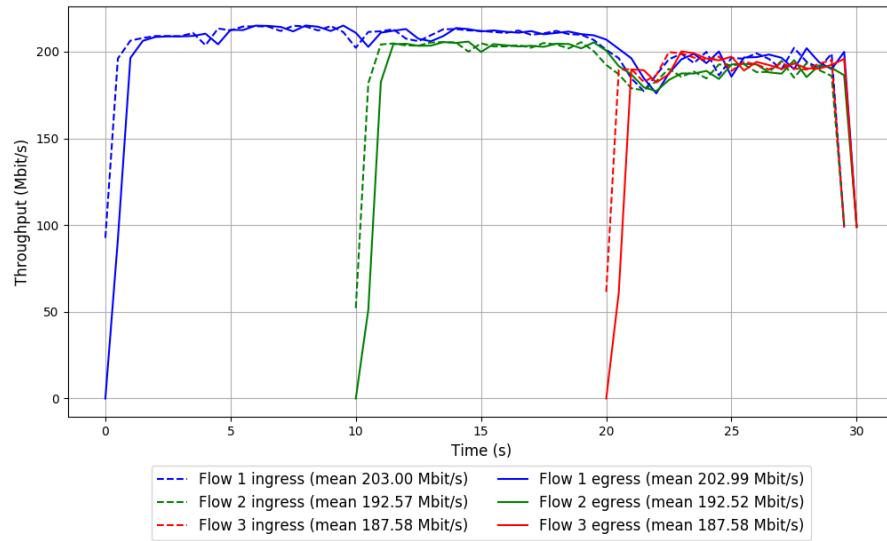


Run 2: Statistics of Indigo

```
Start at: 2019-09-18 09:48:07
End at: 2019-09-18 09:48:37
Local clock offset: 0.193 ms
Remote clock offset: 4.501 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.03 Mbit/s
95th percentile per-packet one-way delay: 2.959 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 2.980 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 3.737 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

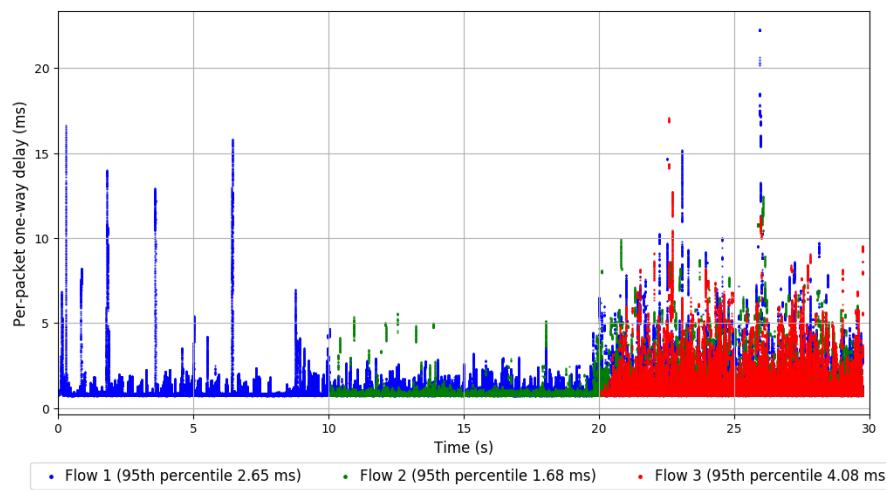
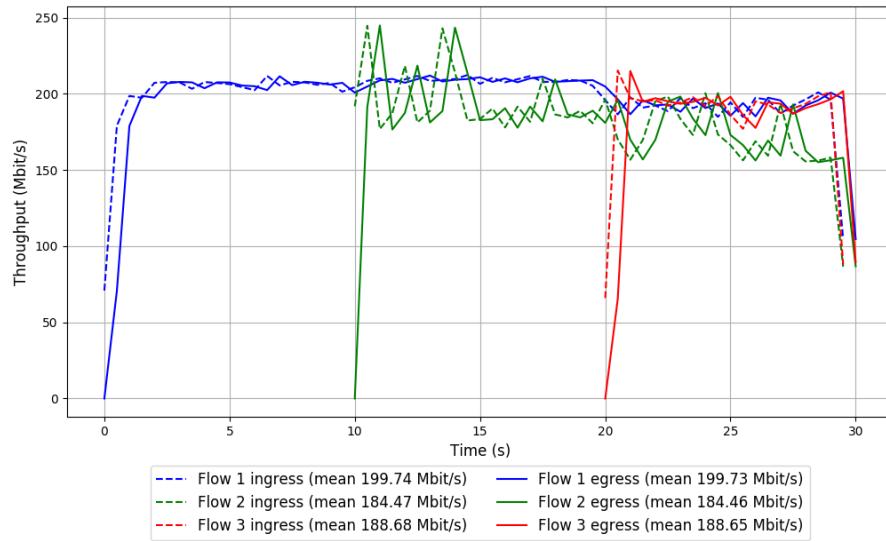


Run 3: Statistics of Indigo

```
Start at: 2019-09-18 10:23:21
End at: 2019-09-18 10:23:51
Local clock offset: 1.424 ms
Remote clock offset: 4.187 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.45 Mbit/s
95th percentile per-packet one-way delay: 2.746 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 199.73 Mbit/s
95th percentile per-packet one-way delay: 2.649 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.46 Mbit/s
95th percentile per-packet one-way delay: 1.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.65 Mbit/s
95th percentile per-packet one-way delay: 4.082 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

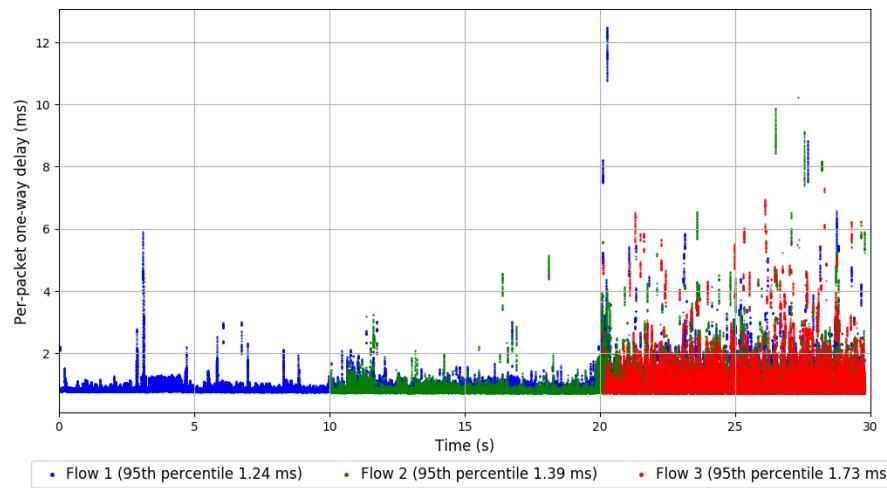
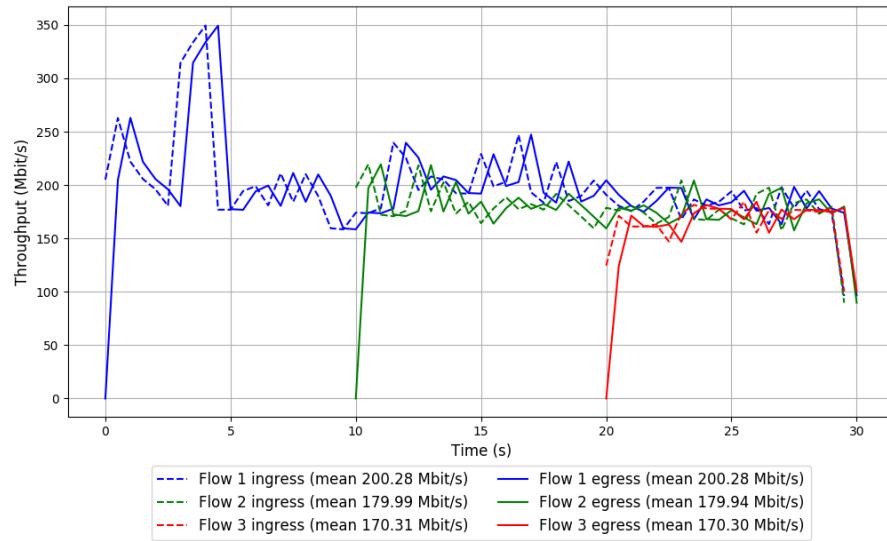


Run 4: Statistics of Indigo

```
Start at: 2019-09-18 10:58:48
End at: 2019-09-18 10:59:18
Local clock offset: -3.441 ms
Remote clock offset: 3.427 ms

# Below is generated by plot.py at 2019-09-18 12:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.06 Mbit/s
95th percentile per-packet one-way delay: 1.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.28 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.94 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.30 Mbit/s
95th percentile per-packet one-way delay: 1.729 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link

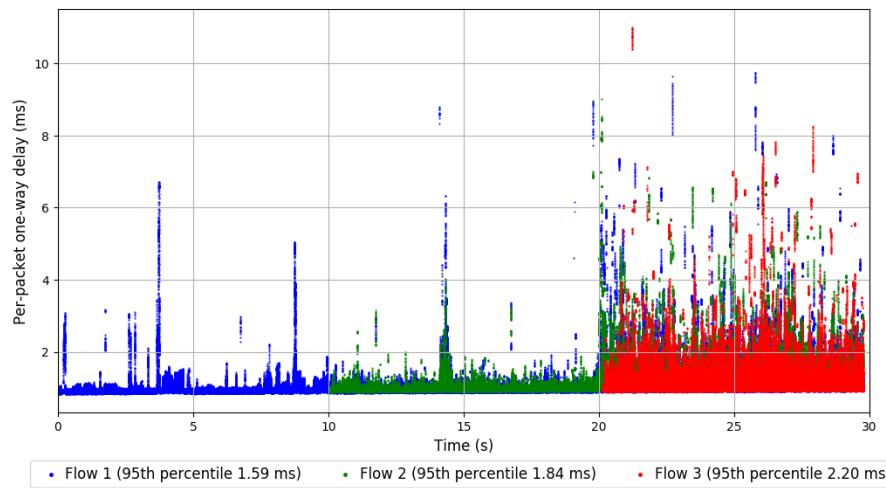
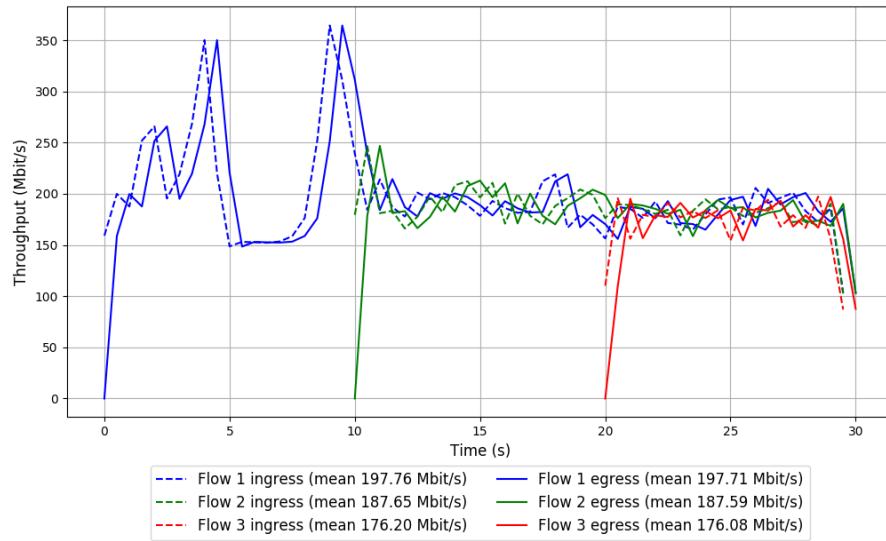


Run 5: Statistics of Indigo

```
Start at: 2019-09-18 11:33:53
End at: 2019-09-18 11:34:23
Local clock offset: -1.022 ms
Remote clock offset: 3.067 ms

# Below is generated by plot.py at 2019-09-18 12:43:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.17 Mbit/s
95th percentile per-packet one-way delay: 1.814 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 197.71 Mbit/s
95th percentile per-packet one-way delay: 1.586 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 187.59 Mbit/s
95th percentile per-packet one-way delay: 1.843 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 176.08 Mbit/s
95th percentile per-packet one-way delay: 2.204 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo — Data Link

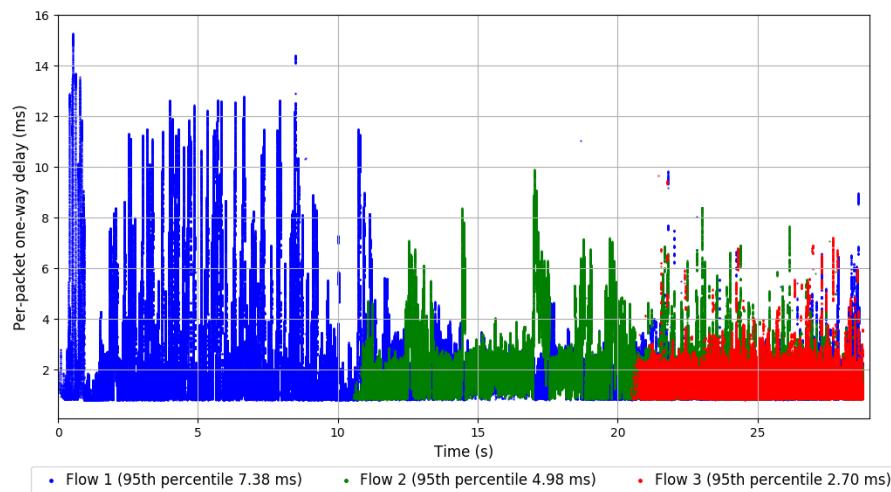
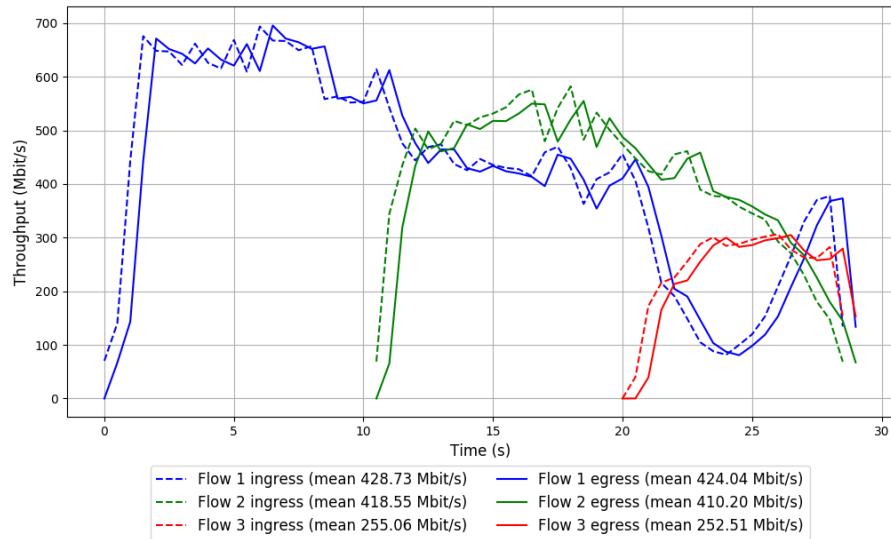


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 09:38:48
End at: 2019-09-18 09:39:18
Local clock offset: -0.945 ms
Remote clock offset: 3.444 ms

# Below is generated by plot.py at 2019-09-18 12:48:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 756.27 Mbit/s
95th percentile per-packet one-way delay: 6.064 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 424.04 Mbit/s
95th percentile per-packet one-way delay: 7.379 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 410.20 Mbit/s
95th percentile per-packet one-way delay: 4.980 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 252.51 Mbit/s
95th percentile per-packet one-way delay: 2.697 ms
Loss rate: 1.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link

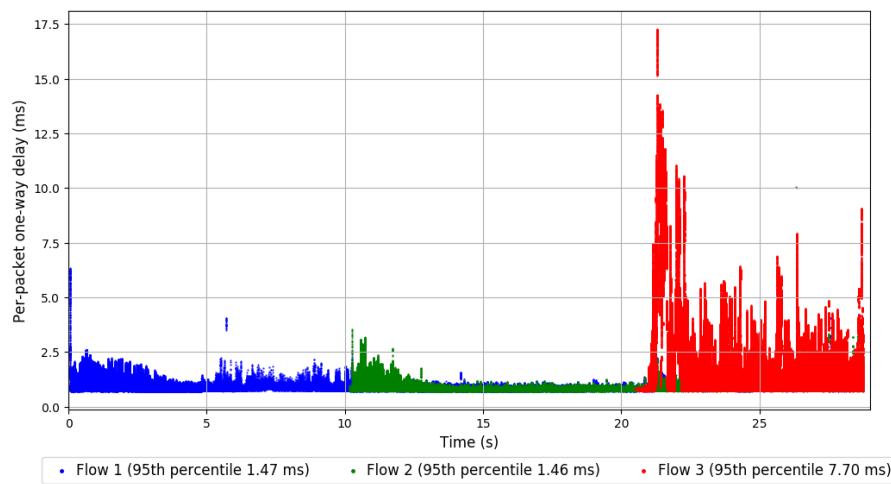
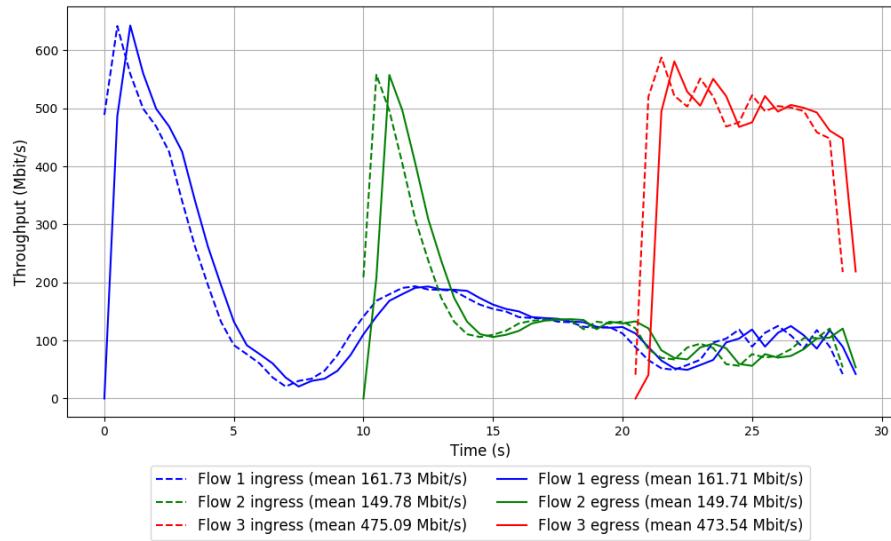


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 10:14:30
End at: 2019-09-18 10:15:00
Local clock offset: 1.185 ms
Remote clock offset: 3.949 ms

# Below is generated by plot.py at 2019-09-18 12:48:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.19 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 161.71 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 149.74 Mbit/s
95th percentile per-packet one-way delay: 1.461 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 473.54 Mbit/s
95th percentile per-packet one-way delay: 7.703 ms
Loss rate: 0.31%
```

Run 2: Report of Indigo-MusesC3 — Data Link

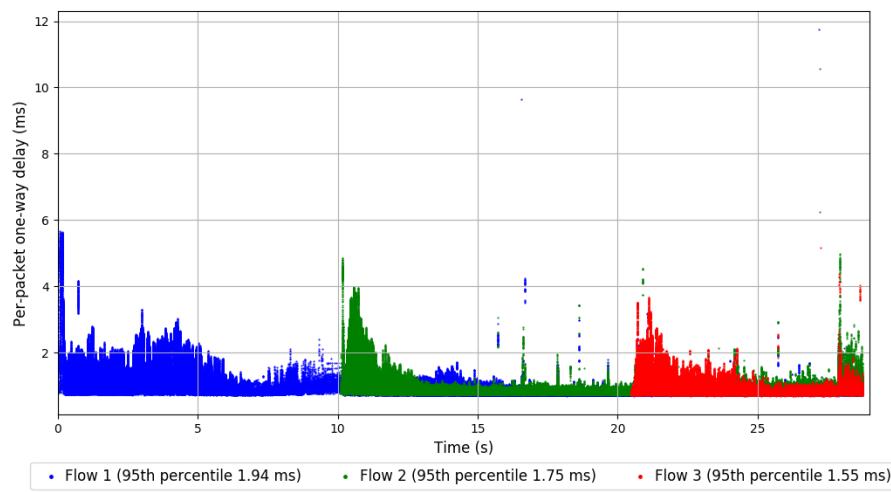
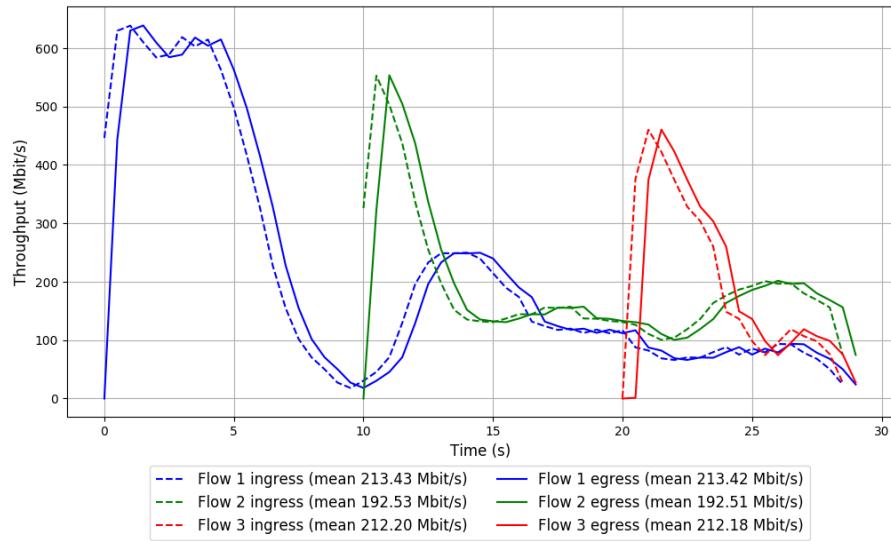


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 10:49:44
End at: 2019-09-18 10:50:14
Local clock offset: -2.841 ms
Remote clock offset: 3.379 ms

# Below is generated by plot.py at 2019-09-18 12:48:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.29 Mbit/s
95th percentile per-packet one-way delay: 1.824 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 213.42 Mbit/s
95th percentile per-packet one-way delay: 1.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.51 Mbit/s
95th percentile per-packet one-way delay: 1.750 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 212.18 Mbit/s
95th percentile per-packet one-way delay: 1.550 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesC3 — Data Link

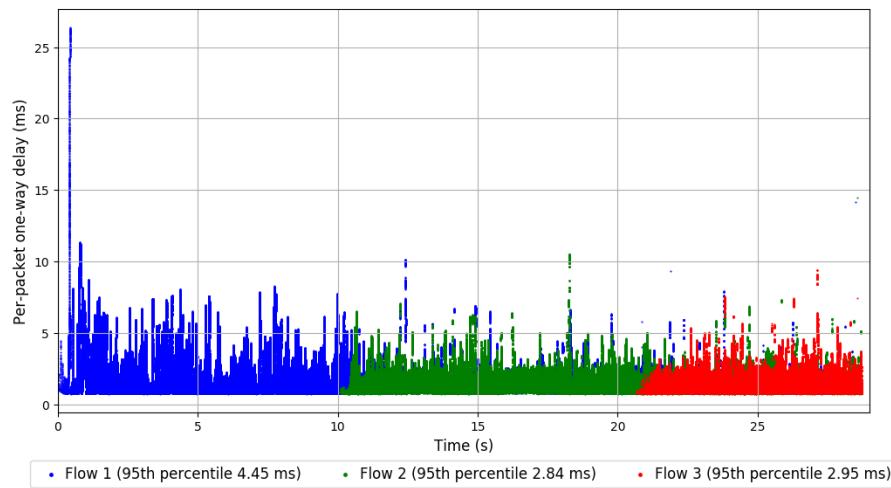
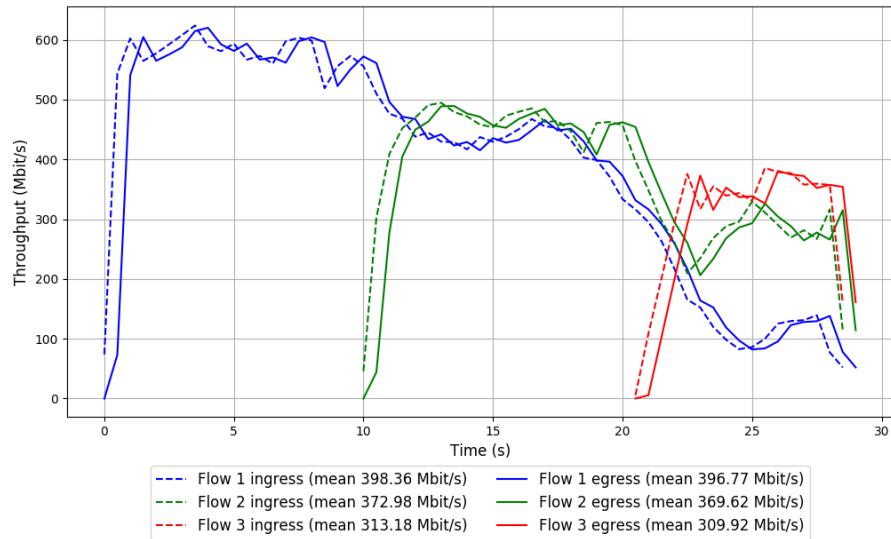


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 11:24:52
End at: 2019-09-18 11:25:22
Local clock offset: -1.695 ms
Remote clock offset: 3.026 ms

# Below is generated by plot.py at 2019-09-18 12:48:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 723.63 Mbit/s
95th percentile per-packet one-way delay: 3.711 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 396.77 Mbit/s
95th percentile per-packet one-way delay: 4.449 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 369.62 Mbit/s
95th percentile per-packet one-way delay: 2.839 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 309.92 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 1.04%
```

Run 4: Report of Indigo-MusesC3 — Data Link

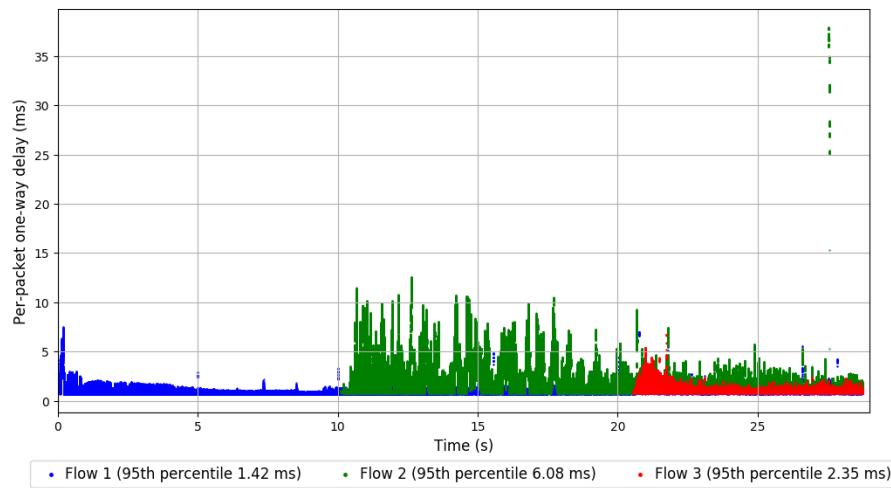
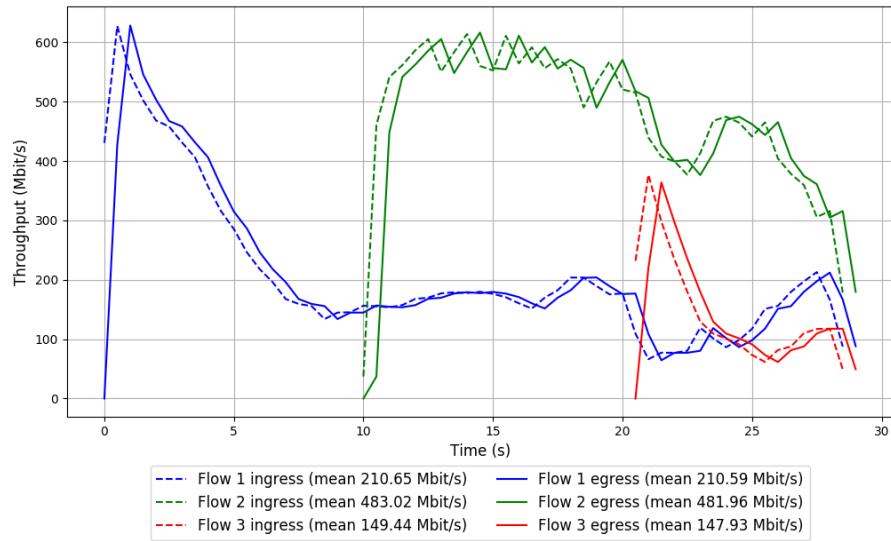


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-09-18 11:59:49
End at: 2019-09-18 12:00:19
Local clock offset: 0.789 ms
Remote clock offset: -1.049 ms

# Below is generated by plot.py at 2019-09-18 12:48:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 565.49 Mbit/s
95th percentile per-packet one-way delay: 4.933 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 210.59 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 481.96 Mbit/s
95th percentile per-packet one-way delay: 6.077 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 147.93 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 1.01%
```

Run 5: Report of Indigo-MusesC3 — Data Link

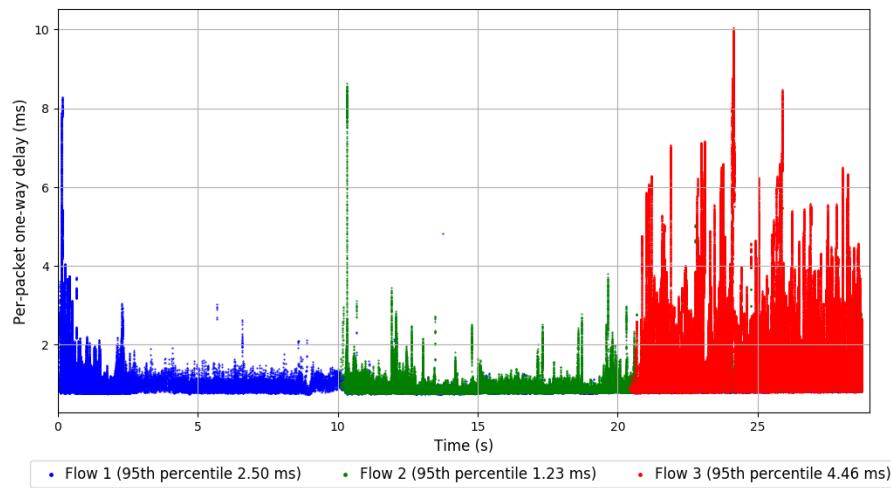
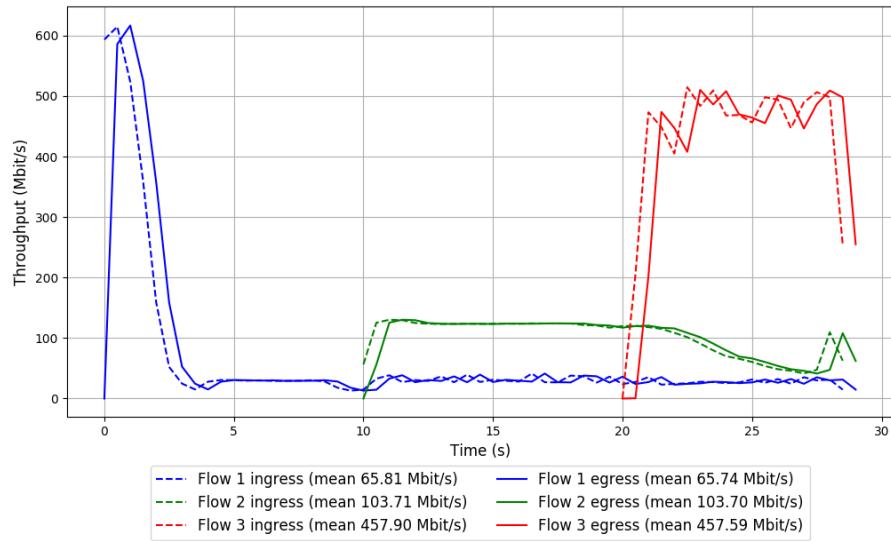


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 09:30:04
End at: 2019-09-18 09:30:34
Local clock offset: -3.269 ms
Remote clock offset: 2.018 ms

# Below is generated by plot.py at 2019-09-18 12:48:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.54 Mbit/s
95th percentile per-packet one-way delay: 3.615 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 2.503 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 103.70 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 457.59 Mbit/s
95th percentile per-packet one-way delay: 4.458 ms
Loss rate: 0.06%
```

Run 1: Report of Indigo-MusesC5 — Data Link

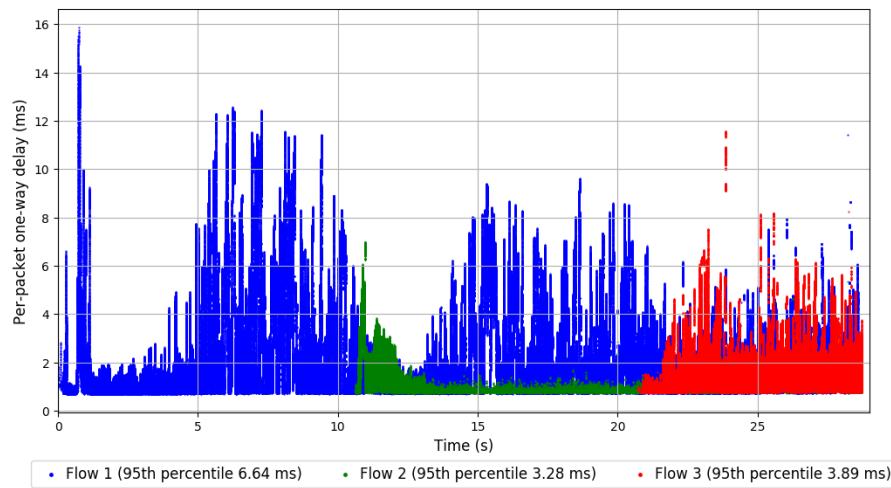
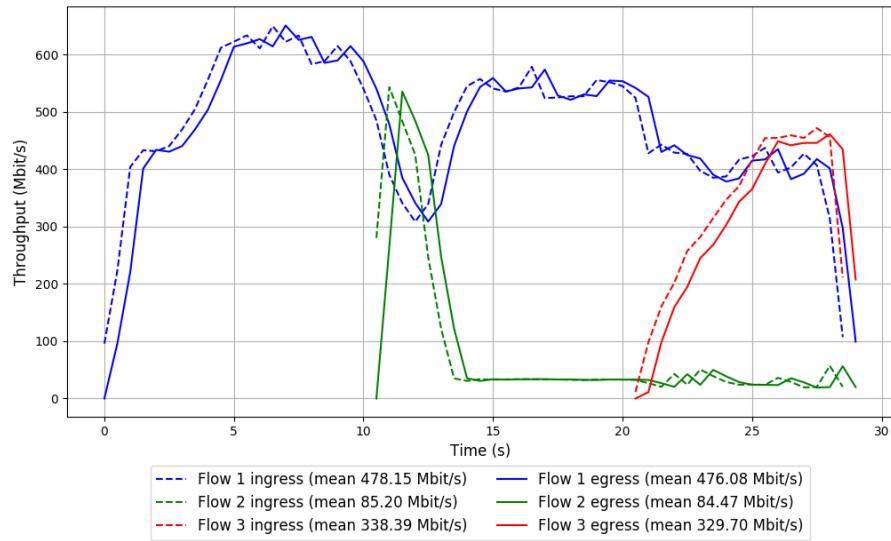


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 10:05:20
End at: 2019-09-18 10:05:50
Local clock offset: 0.973 ms
Remote clock offset: 4.104 ms

# Below is generated by plot.py at 2019-09-18 12:49:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 621.25 Mbit/s
95th percentile per-packet one-way delay: 6.141 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 476.08 Mbit/s
95th percentile per-packet one-way delay: 6.638 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 329.70 Mbit/s
95th percentile per-packet one-way delay: 3.891 ms
Loss rate: 2.55%
```

Run 2: Report of Indigo-MusesC5 — Data Link

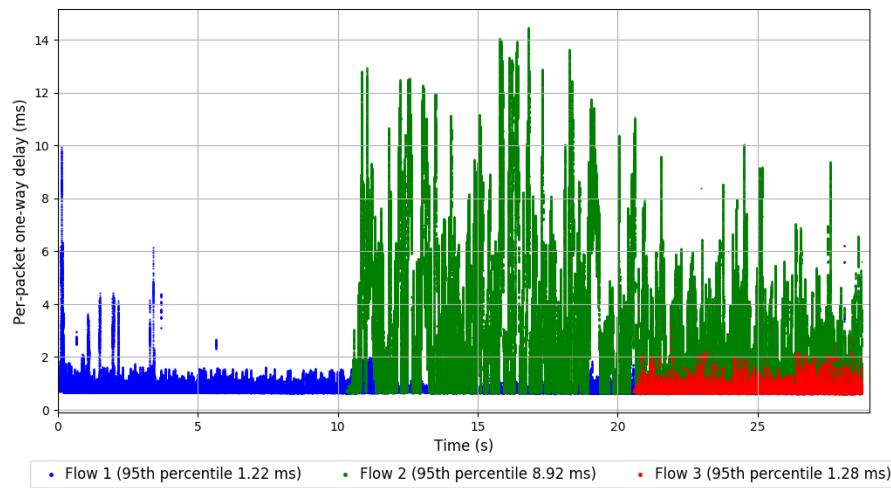
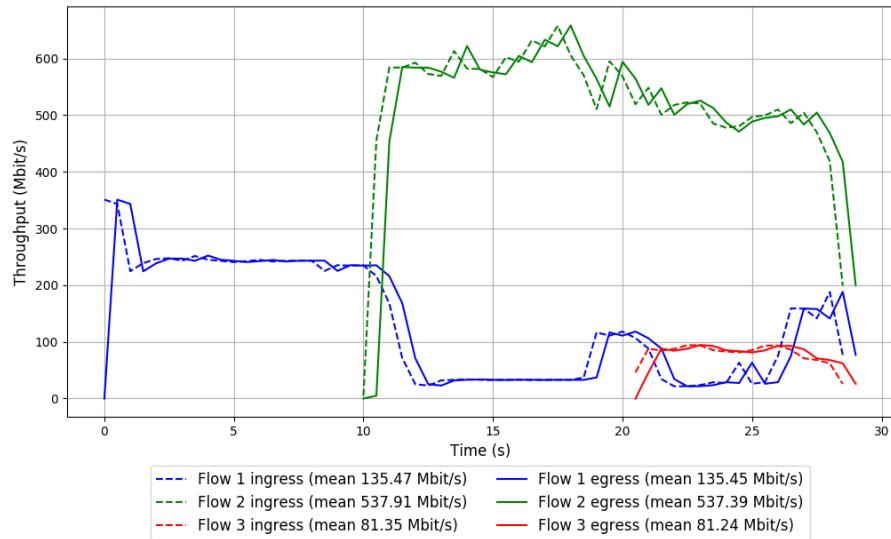


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 10:40:39
End at: 2019-09-18 10:41:09
Local clock offset: -1.633 ms
Remote clock offset: 3.523 ms

# Below is generated by plot.py at 2019-09-18 12:49:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 503.24 Mbit/s
95th percentile per-packet one-way delay: 7.996 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 135.45 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 537.39 Mbit/s
95th percentile per-packet one-way delay: 8.918 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.13%
```

Run 3: Report of Indigo-MusesC5 — Data Link

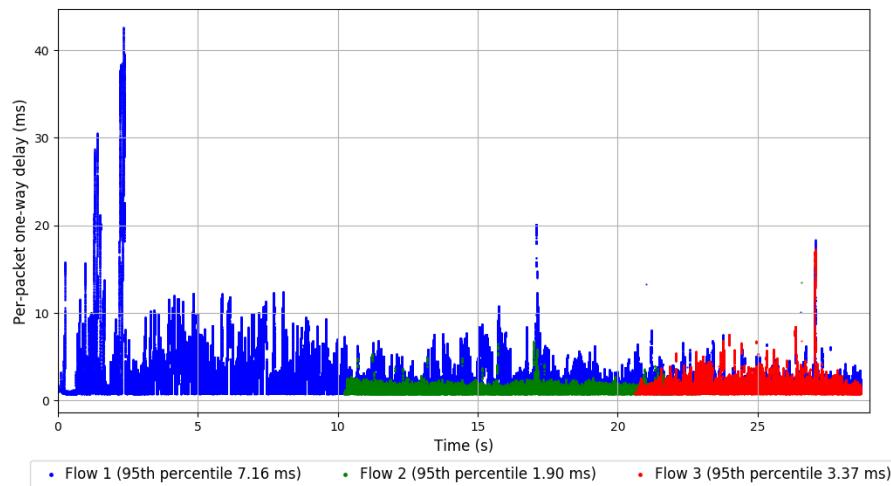
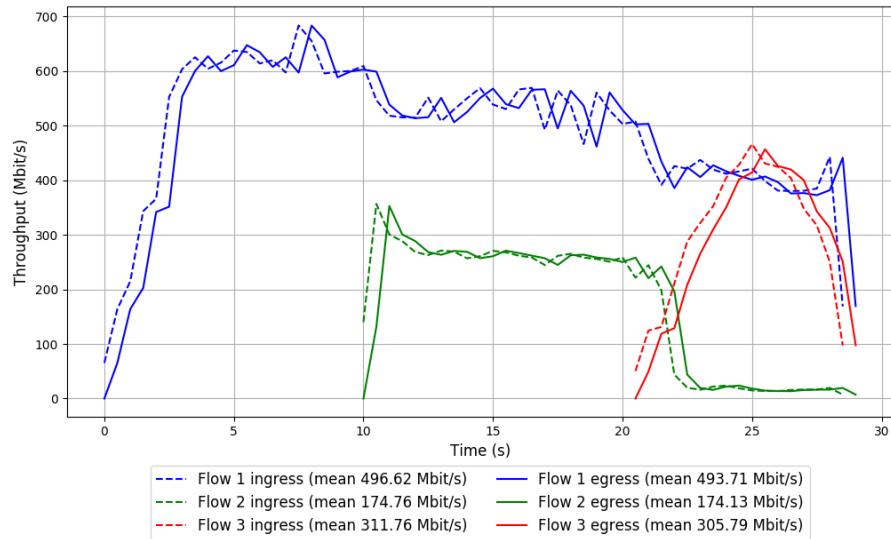


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 11:15:58
End at: 2019-09-18 11:16:28
Local clock offset: -1.878 ms
Remote clock offset: 3.053 ms

# Below is generated by plot.py at 2019-09-18 12:52:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 692.16 Mbit/s
95th percentile per-packet one-way delay: 6.326 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 493.71 Mbit/s
95th percentile per-packet one-way delay: 7.157 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 174.13 Mbit/s
95th percentile per-packet one-way delay: 1.900 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 305.79 Mbit/s
95th percentile per-packet one-way delay: 3.370 ms
Loss rate: 1.91%
```

Run 4: Report of Indigo-MusesC5 — Data Link

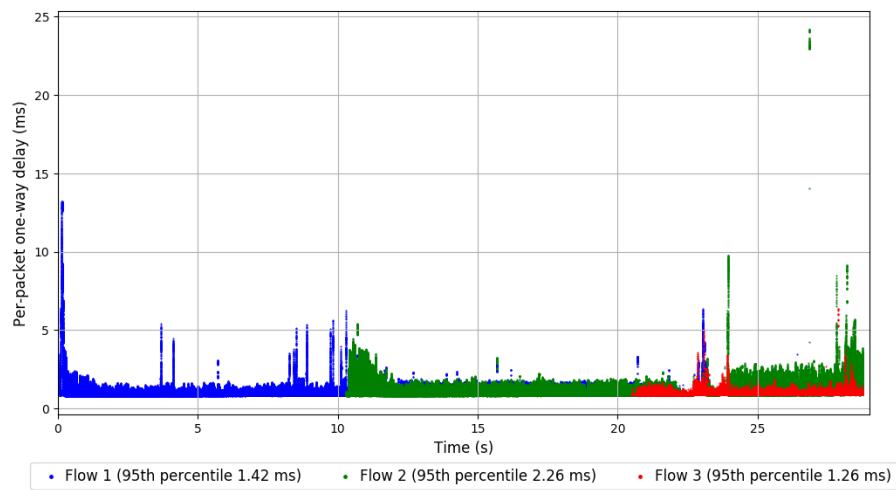
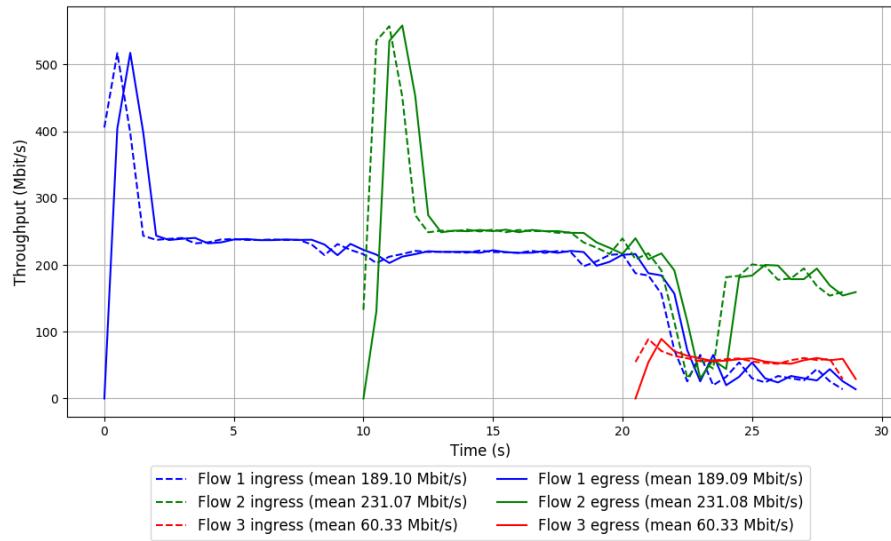


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-09-18 11:50:56
End at: 2019-09-18 11:51:26
Local clock offset: 0.474 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2019-09-18 12:52:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.82 Mbit/s
95th percentile per-packet one-way delay: 1.812 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.09 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 231.08 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC5 — Data Link

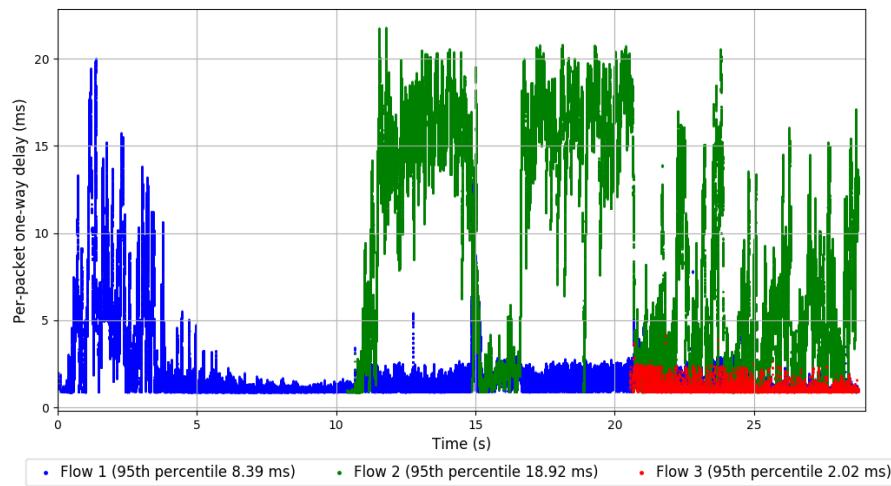
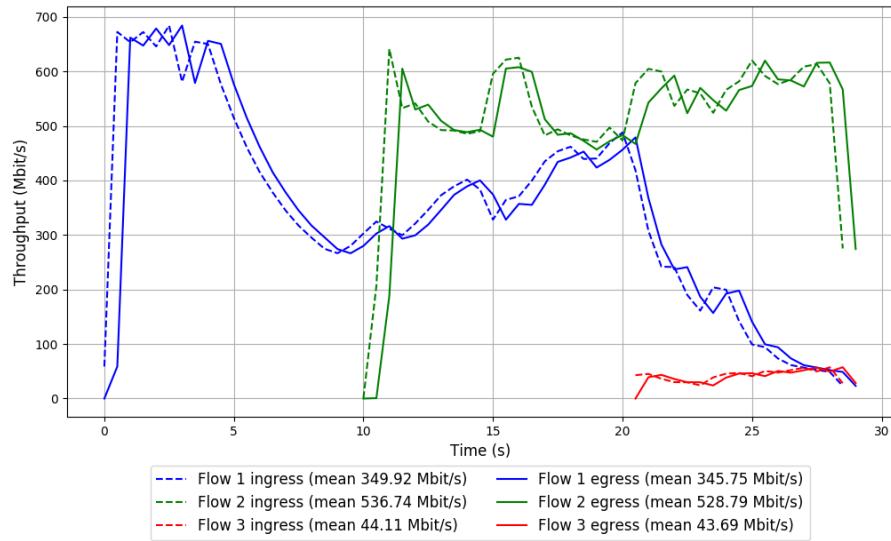


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 09:40:27
End at: 2019-09-18 09:40:57
Local clock offset: -0.72 ms
Remote clock offset: 3.657 ms

# Below is generated by plot.py at 2019-09-18 12:53:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.04 Mbit/s
95th percentile per-packet one-way delay: 17.842 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 345.75 Mbit/s
95th percentile per-packet one-way delay: 8.394 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 528.79 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 2.016 ms
Loss rate: 0.96%
```

Run 1: Report of Indigo-MusesD — Data Link

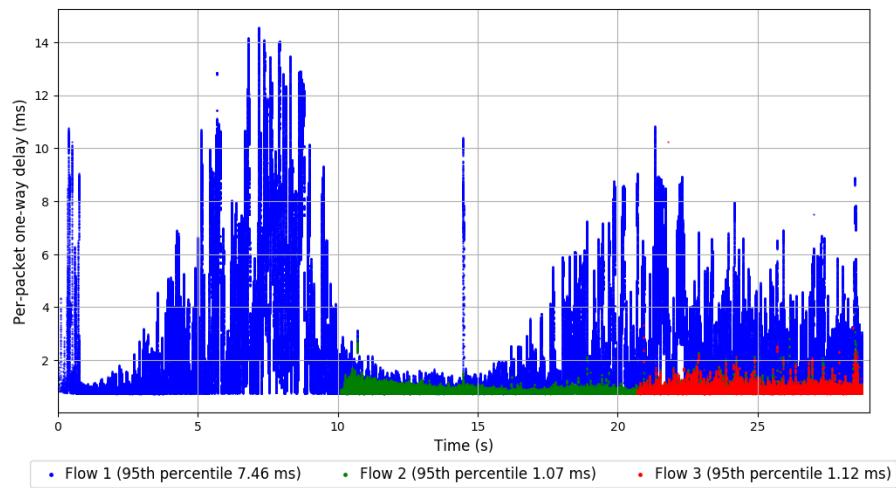
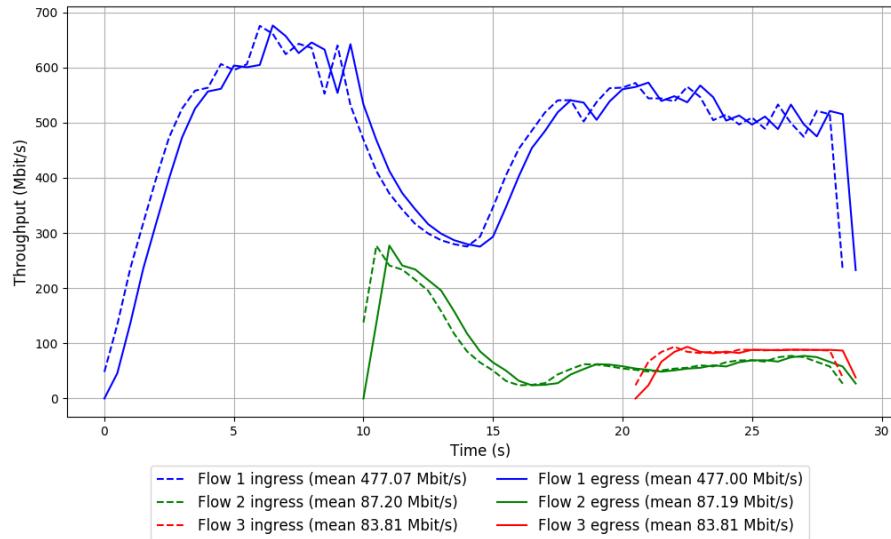


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 10:15:57
End at: 2019-09-18 10:16:27
Local clock offset: 1.227 ms
Remote clock offset: 4.018 ms

# Below is generated by plot.py at 2019-09-18 12:54:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.94 Mbit/s
95th percentile per-packet one-way delay: 7.027 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 477.00 Mbit/s
95th percentile per-packet one-way delay: 7.457 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-MusesD — Data Link

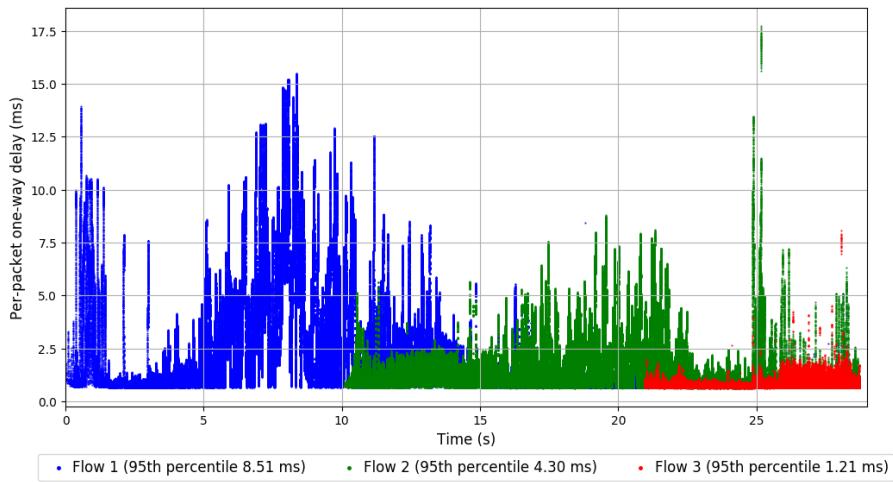
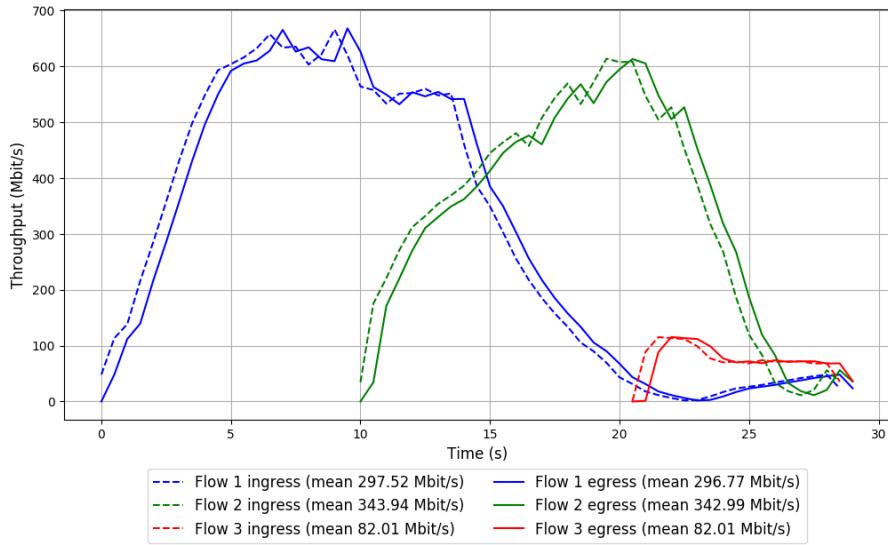


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 10:51:11
End at: 2019-09-18 10:51:41
Local clock offset: -2.95 ms
Remote clock offset: 3.295 ms

# Below is generated by plot.py at 2019-09-18 12:54:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 541.76 Mbit/s
95th percentile per-packet one-way delay: 6.855 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 296.77 Mbit/s
95th percentile per-packet one-way delay: 8.512 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 342.99 Mbit/s
95th percentile per-packet one-way delay: 4.299 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesD — Data Link

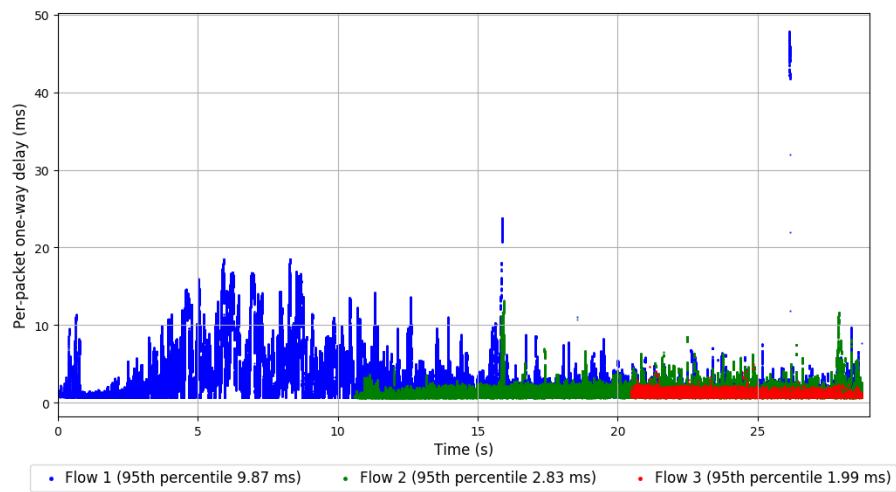
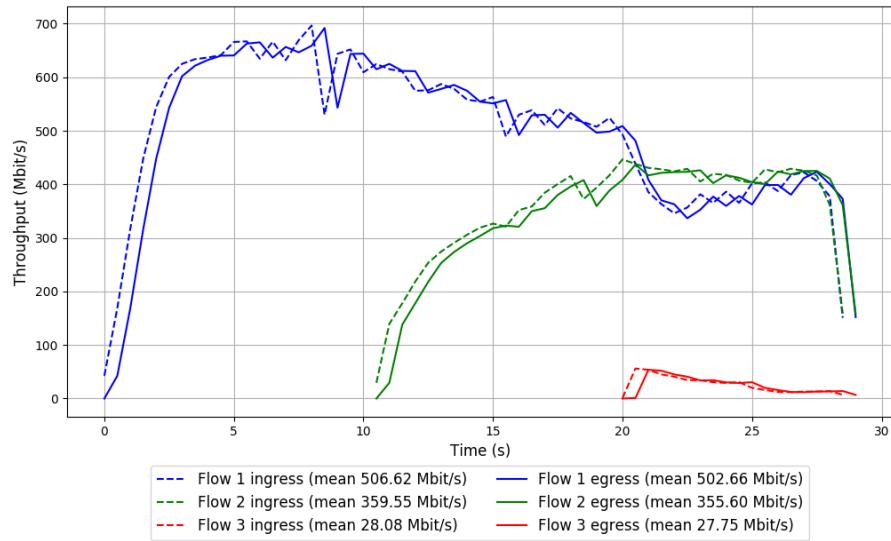


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 11:26:30
End at: 2019-09-18 11:27:00
Local clock offset: -1.648 ms
Remote clock offset: 2.956 ms

# Below is generated by plot.py at 2019-09-18 12:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.13 Mbit/s
95th percentile per-packet one-way delay: 8.205 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 502.66 Mbit/s
95th percentile per-packet one-way delay: 9.866 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 355.60 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 1.988 ms
Loss rate: 1.19%
```

Run 4: Report of Indigo-MusesD — Data Link

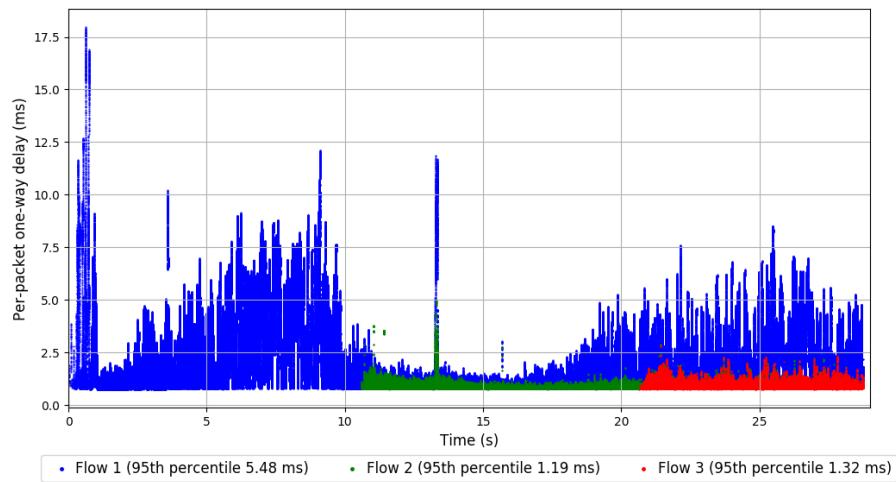
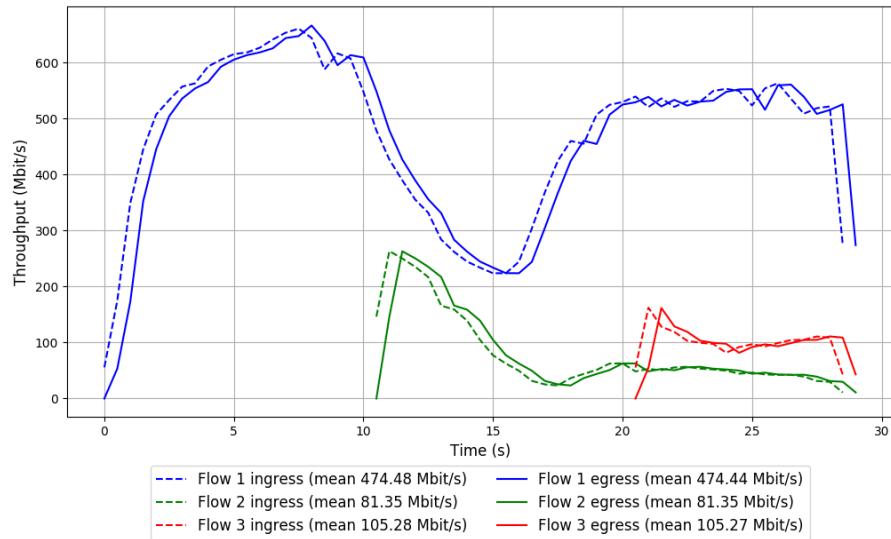


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-09-18 12:01:22
End at: 2019-09-18 12:01:52
Local clock offset: 0.759 ms
Remote clock offset: -1.074 ms

# Below is generated by plot.py at 2019-09-18 12:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.36 Mbit/s
95th percentile per-packet one-way delay: 5.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 474.44 Mbit/s
95th percentile per-packet one-way delay: 5.479 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.27 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesD — Data Link

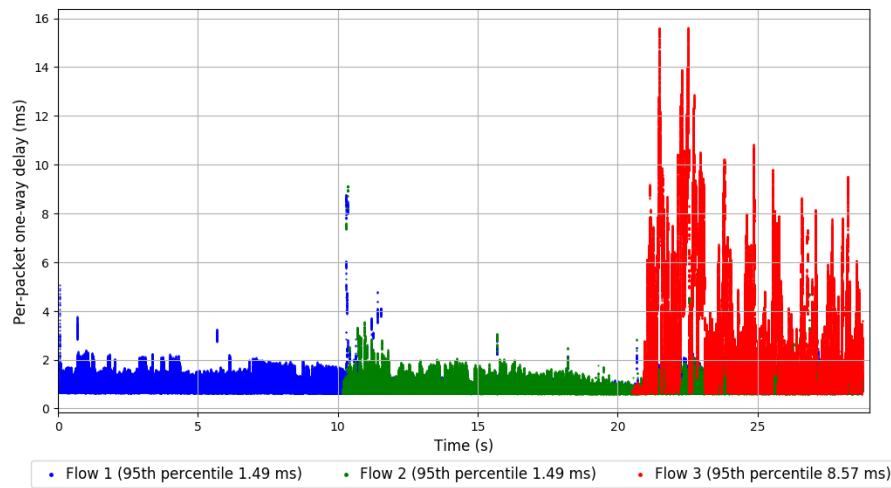
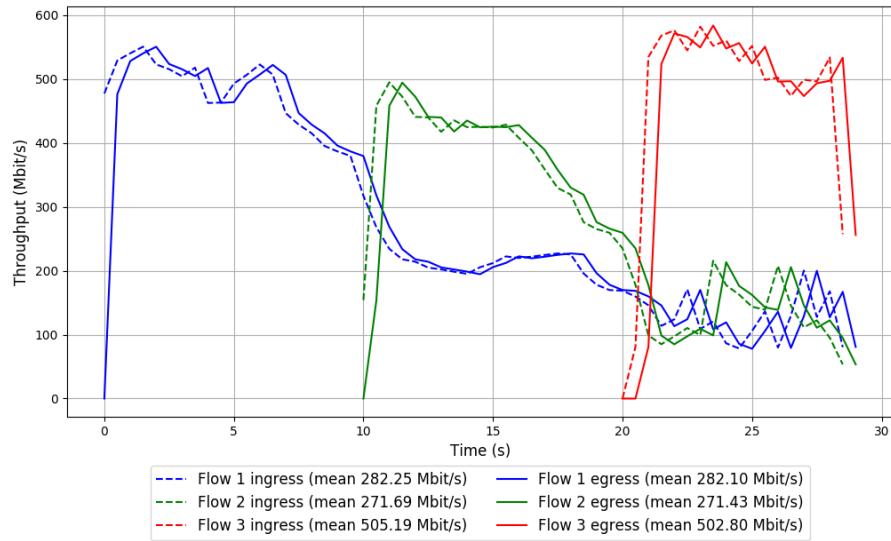


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 09:14:17
End at: 2019-09-18 09:14:47
Local clock offset: -2.416 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2019-09-18 12:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 601.95 Mbit/s
95th percentile per-packet one-way delay: 5.001 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 282.10 Mbit/s
95th percentile per-packet one-way delay: 1.491 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 271.43 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 502.80 Mbit/s
95th percentile per-packet one-way delay: 8.575 ms
Loss rate: 0.47%
```

Run 1: Report of Indigo-MusesT — Data Link

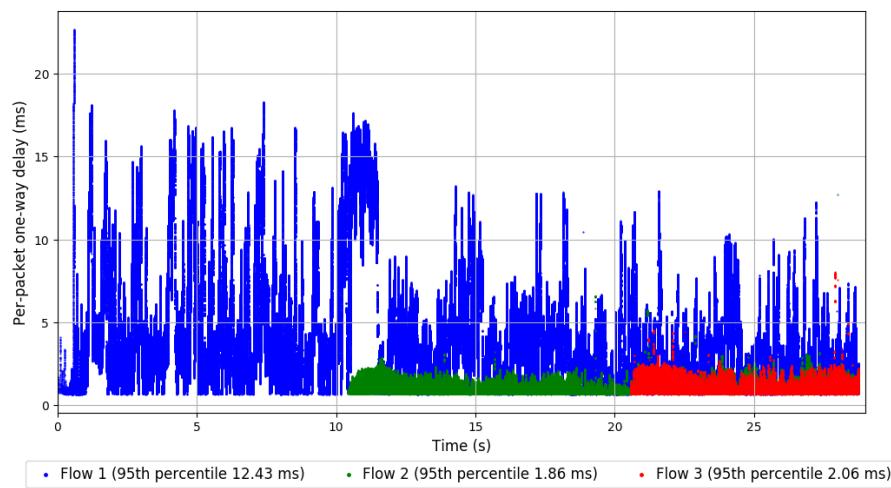
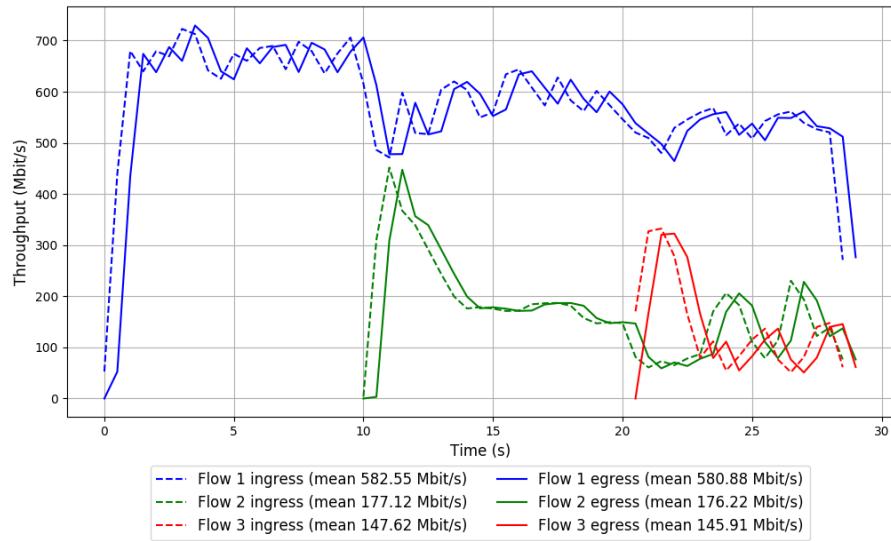


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 09:49:39
End at: 2019-09-18 09:50:09
Local clock offset: 0.328 ms
Remote clock offset: 4.533 ms

# Below is generated by plot.py at 2019-09-18 12:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 734.65 Mbit/s
95th percentile per-packet one-way delay: 11.430 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 580.88 Mbit/s
95th percentile per-packet one-way delay: 12.431 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 176.22 Mbit/s
95th percentile per-packet one-way delay: 1.859 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 145.91 Mbit/s
95th percentile per-packet one-way delay: 2.056 ms
Loss rate: 1.15%
```

Run 2: Report of Indigo-MusesT — Data Link

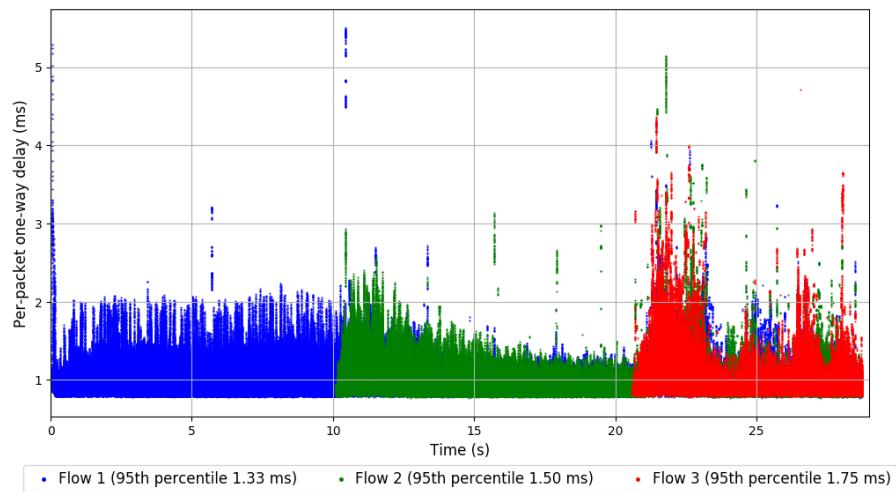
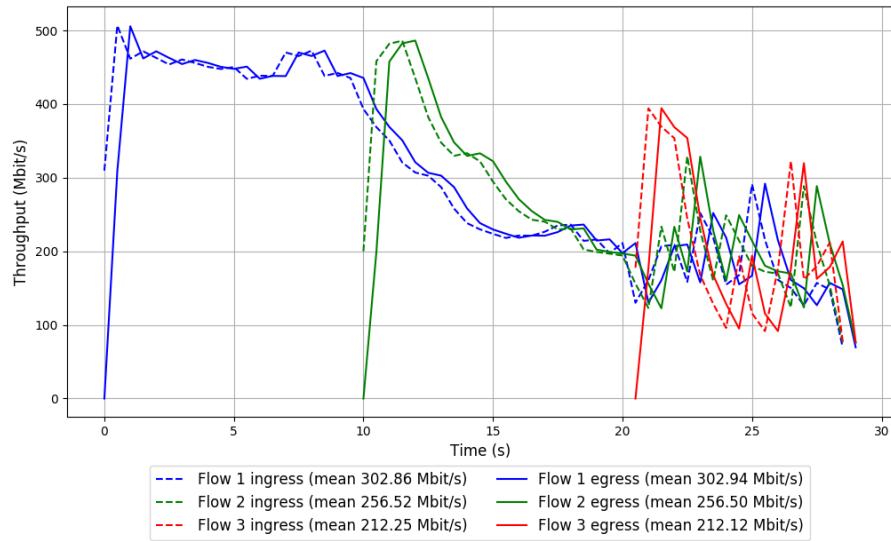


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 10:24:52
End at: 2019-09-18 10:25:22
Local clock offset: 1.446 ms
Remote clock offset: 4.265 ms

# Below is generated by plot.py at 2019-09-18 12:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.54 Mbit/s
95th percentile per-packet one-way delay: 1.443 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 302.94 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 256.50 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 212.12 Mbit/s
95th percentile per-packet one-way delay: 1.748 ms
Loss rate: 0.07%
```

Run 3: Report of Indigo-MusesT — Data Link

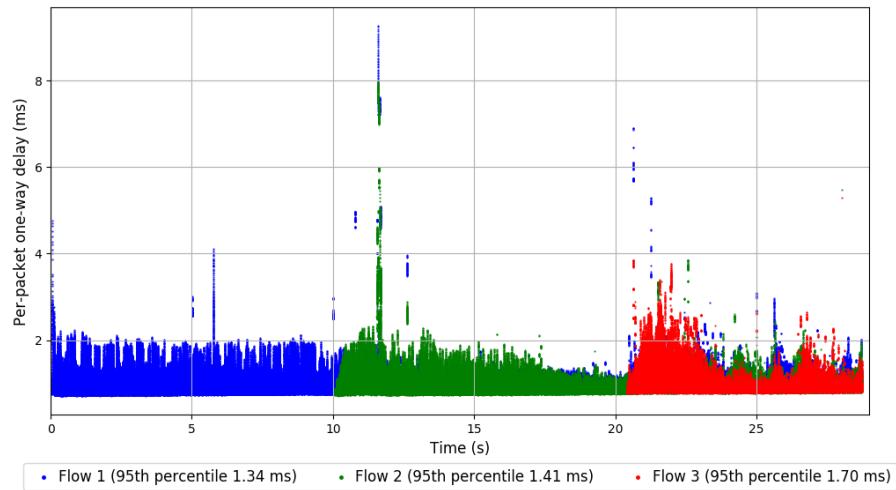
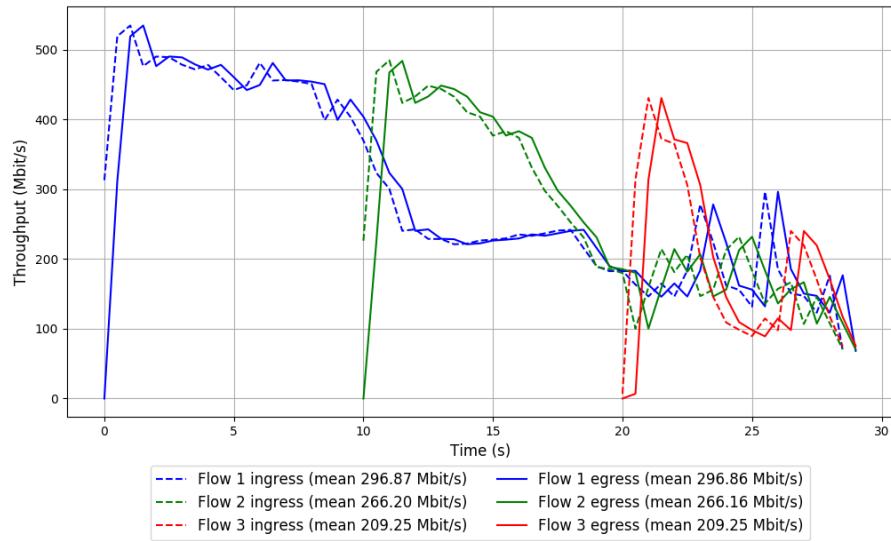


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 11:00:19
End at: 2019-09-18 11:00:49
Local clock offset: -3.494 ms
Remote clock offset: 3.384 ms

# Below is generated by plot.py at 2019-09-18 12:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.25 Mbit/s
95th percentile per-packet one-way delay: 1.415 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 296.86 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 266.16 Mbit/s
95th percentile per-packet one-way delay: 1.414 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 209.25 Mbit/s
95th percentile per-packet one-way delay: 1.699 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesT — Data Link

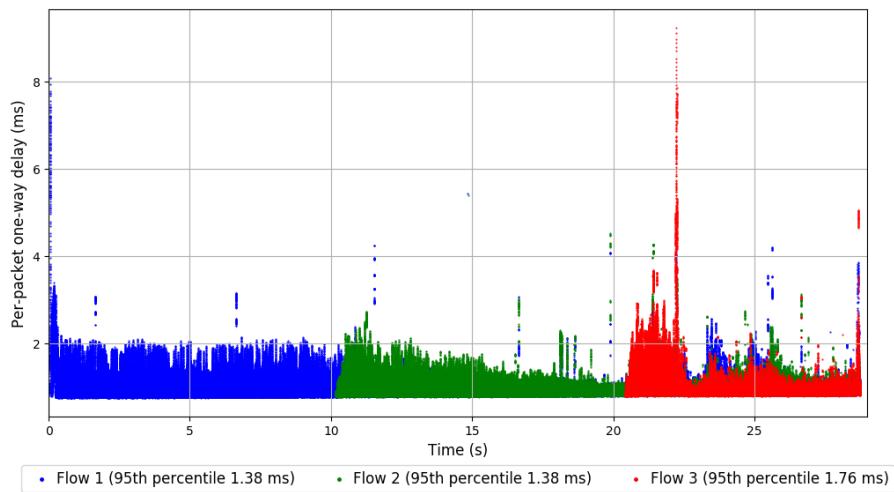
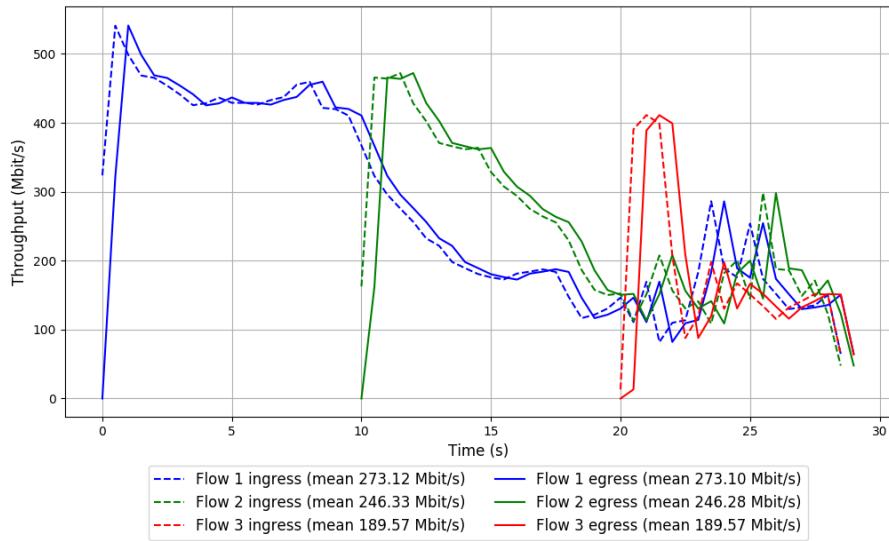


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-09-18 11:35:24
End at: 2019-09-18 11:35:54
Local clock offset: -0.766 ms
Remote clock offset: 2.999 ms

# Below is generated by plot.py at 2019-09-18 13:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.38 Mbit/s
95th percentile per-packet one-way delay: 1.423 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 273.10 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 246.28 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 189.57 Mbit/s
95th percentile per-packet one-way delay: 1.758 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesT — Data Link

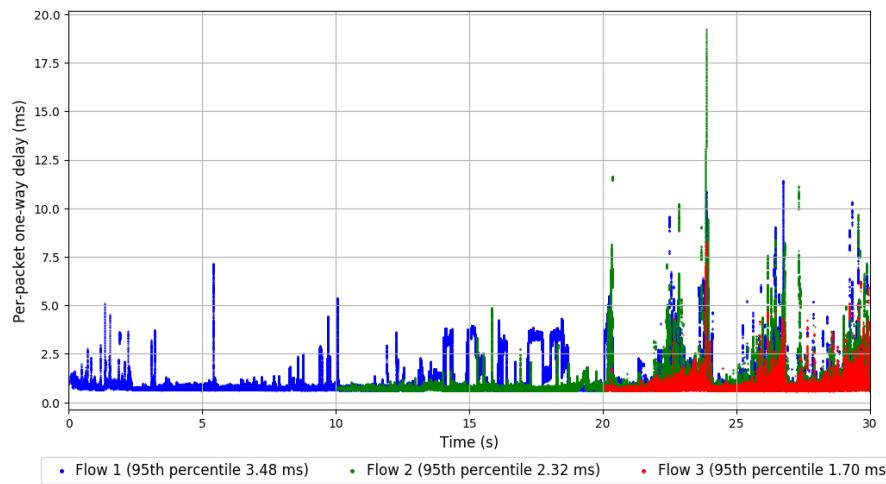
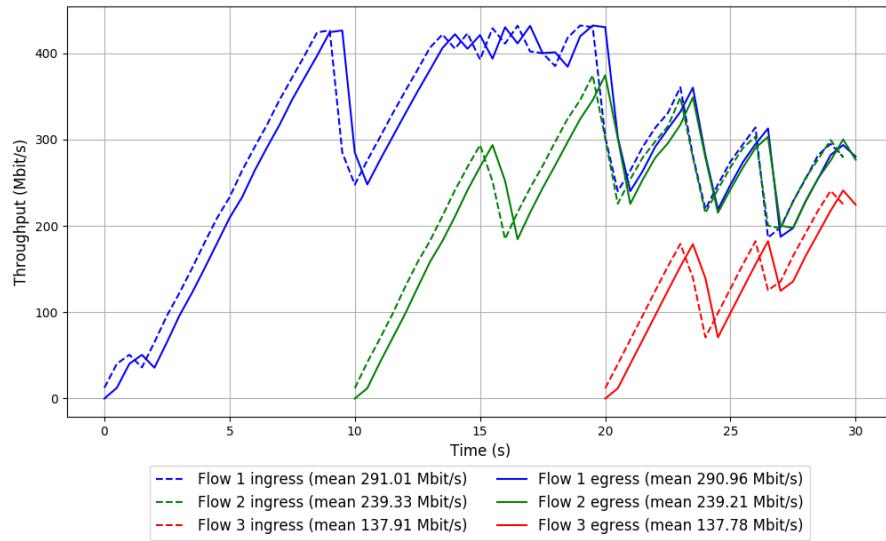


Run 1: Statistics of LEDBAT

```
Start at: 2019-09-18 09:09:57
End at: 2019-09-18 09:10:27
Local clock offset: -1.929 ms
Remote clock offset: -0.553 ms

# Below is generated by plot.py at 2019-09-18 13:00:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.08 Mbit/s
95th percentile per-packet one-way delay: 3.343 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 290.96 Mbit/s
95th percentile per-packet one-way delay: 3.477 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 239.21 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 137.78 Mbit/s
95th percentile per-packet one-way delay: 1.699 ms
Loss rate: 0.09%
```

Run 1: Report of LEDBAT — Data Link

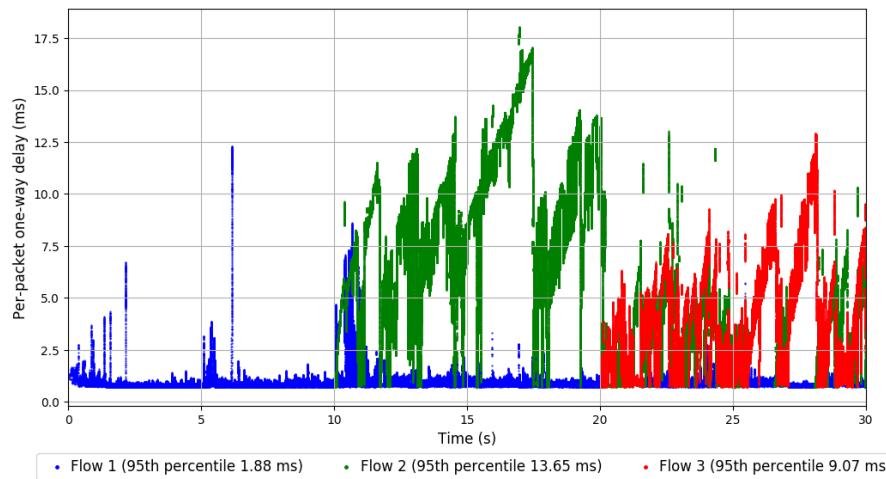
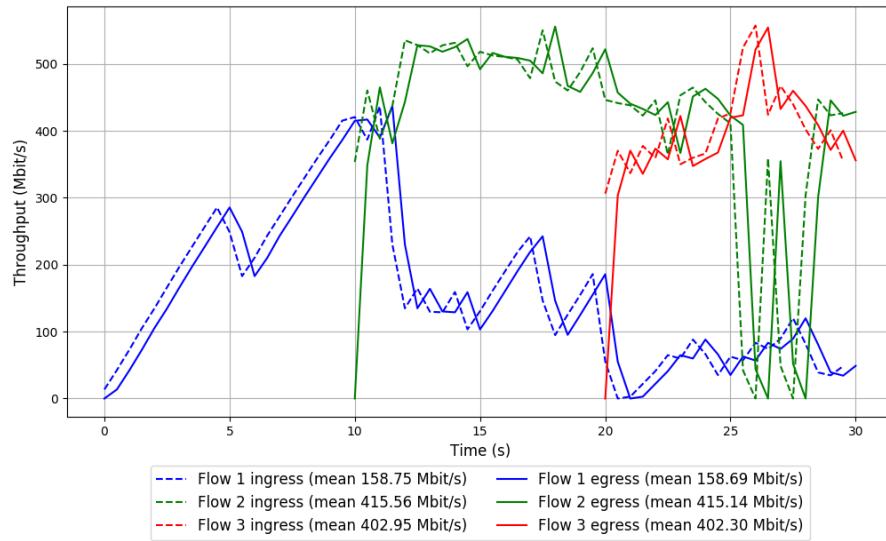


Run 2: Statistics of LEDBAT

```
Start at: 2019-09-18 09:45:14
End at: 2019-09-18 09:45:44
Local clock offset: -0.079 ms
Remote clock offset: 4.125 ms

# Below is generated by plot.py at 2019-09-18 13:01:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.92 Mbit/s
95th percentile per-packet one-way delay: 12.368 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 158.69 Mbit/s
95th percentile per-packet one-way delay: 1.884 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 415.14 Mbit/s
95th percentile per-packet one-way delay: 13.650 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 402.30 Mbit/s
95th percentile per-packet one-way delay: 9.075 ms
Loss rate: 0.15%
```

Run 2: Report of LEDBAT — Data Link

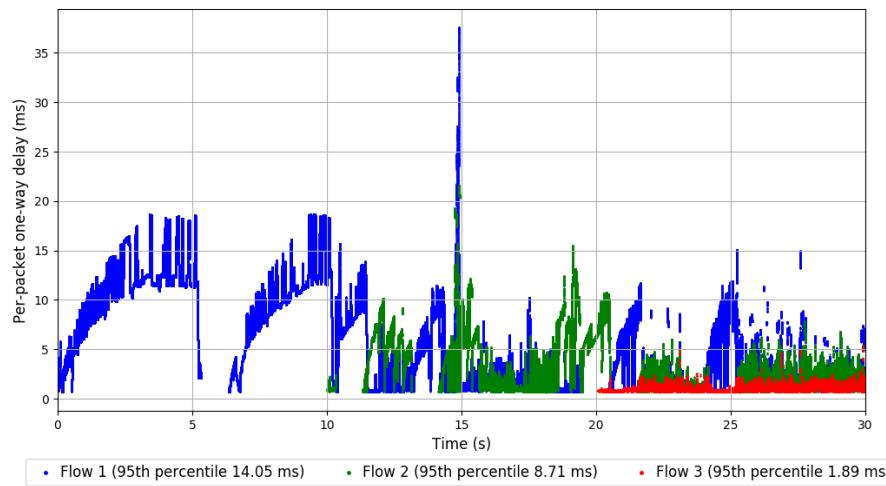
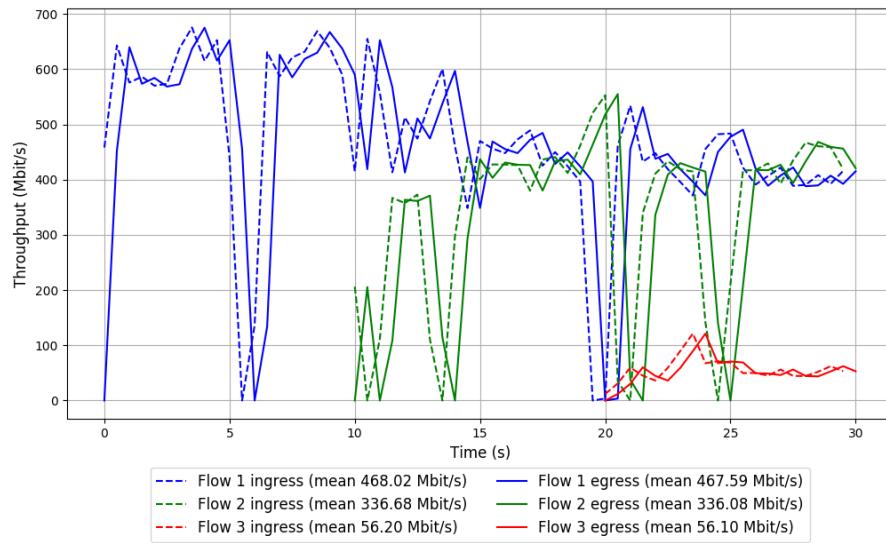


Run 3: Statistics of LEDBAT

```
Start at: 2019-09-18 10:20:23
End at: 2019-09-18 10:20:53
Local clock offset: 1.359 ms
Remote clock offset: 4.089 ms

# Below is generated by plot.py at 2019-09-18 13:05:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 710.13 Mbit/s
95th percentile per-packet one-way delay: 12.510 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 467.59 Mbit/s
95th percentile per-packet one-way delay: 14.054 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 336.08 Mbit/s
95th percentile per-packet one-way delay: 8.711 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 1.891 ms
Loss rate: 0.17%
```

Run 3: Report of LEDBAT — Data Link

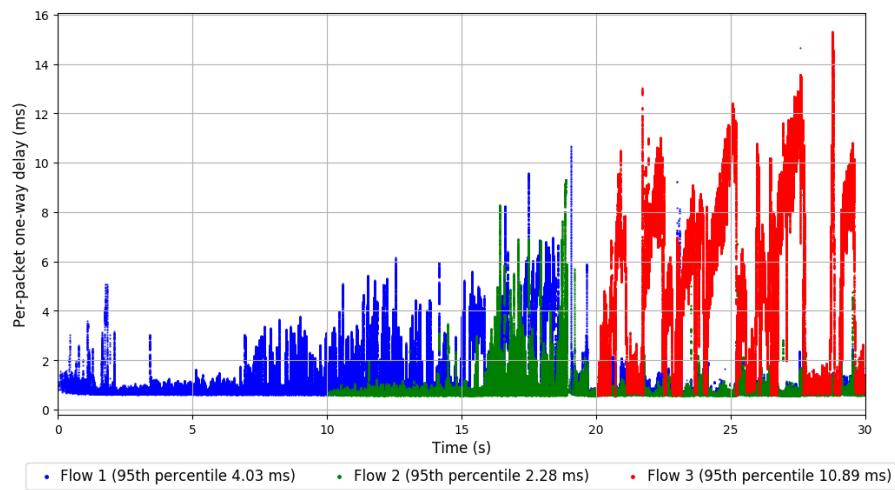
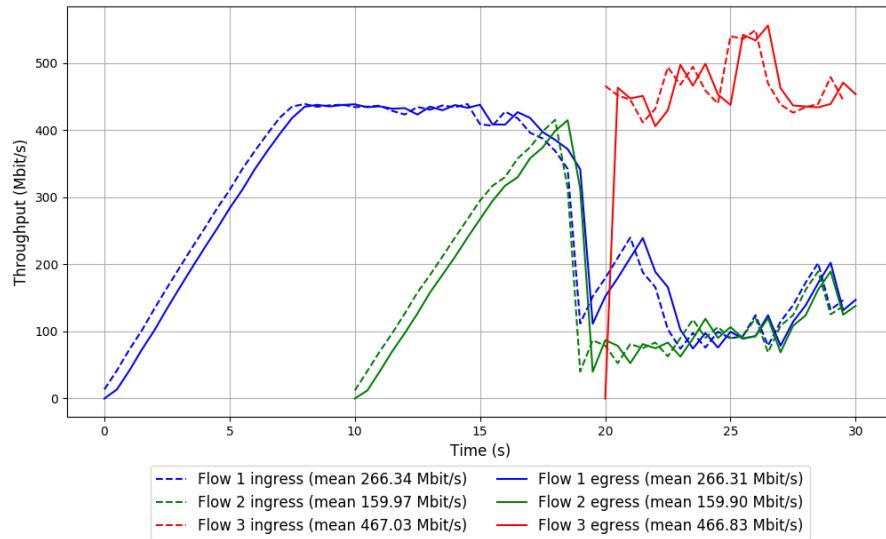


Run 4: Statistics of LEDBAT

```
Start at: 2019-09-18 10:55:57
End at: 2019-09-18 10:56:27
Local clock offset: -3.234 ms
Remote clock offset: 3.316 ms

# Below is generated by plot.py at 2019-09-18 13:05:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.03 Mbit/s
95th percentile per-packet one-way delay: 8.710 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 266.31 Mbit/s
95th percentile per-packet one-way delay: 4.028 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 159.90 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 466.83 Mbit/s
95th percentile per-packet one-way delay: 10.888 ms
Loss rate: 0.03%
```

Run 4: Report of LEDBAT — Data Link

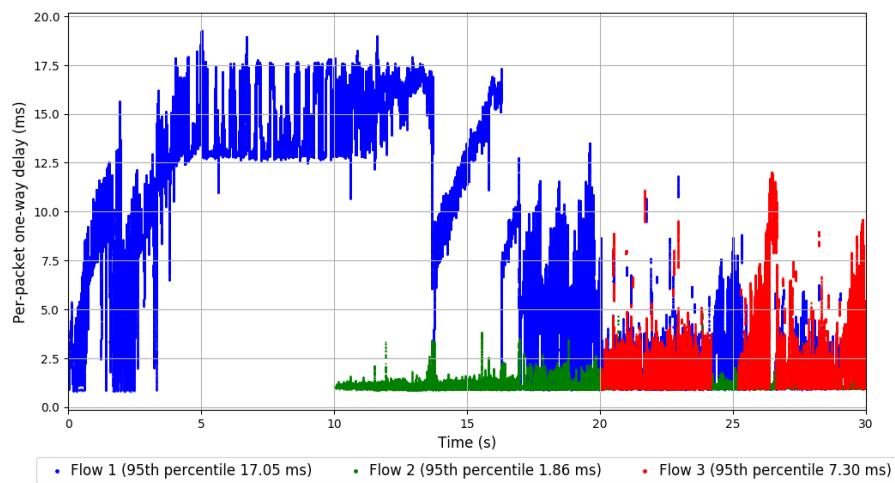
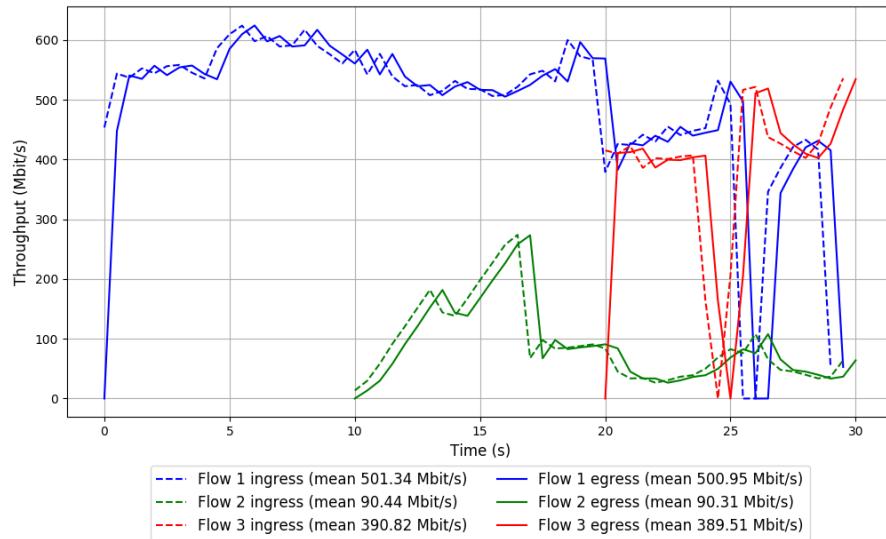


Run 5: Statistics of LEDBAT

```
Start at: 2019-09-18 11:30:57
End at: 2019-09-18 11:31:27
Local clock offset: -1.609 ms
Remote clock offset: 3.006 ms

# Below is generated by plot.py at 2019-09-18 13:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 674.84 Mbit/s
95th percentile per-packet one-way delay: 16.774 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 500.95 Mbit/s
95th percentile per-packet one-way delay: 17.047 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 1.857 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 389.51 Mbit/s
95th percentile per-packet one-way delay: 7.305 ms
Loss rate: 0.34%
```

Run 5: Report of LEDBAT — Data Link

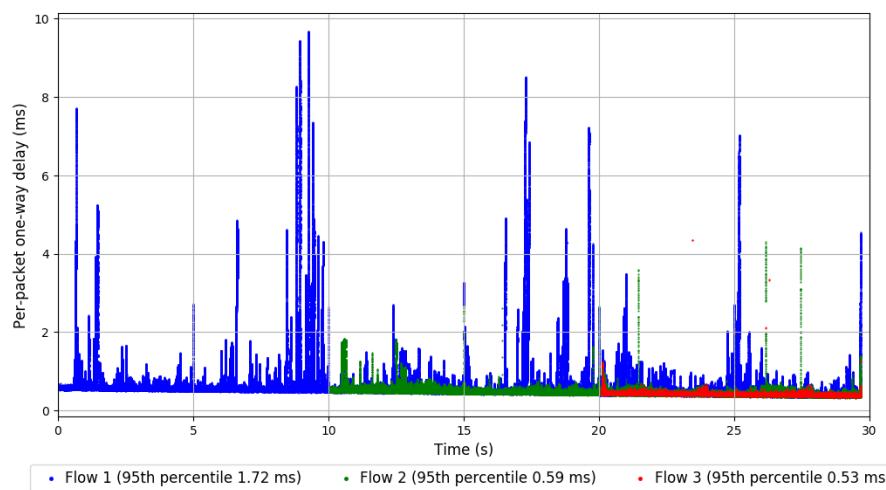
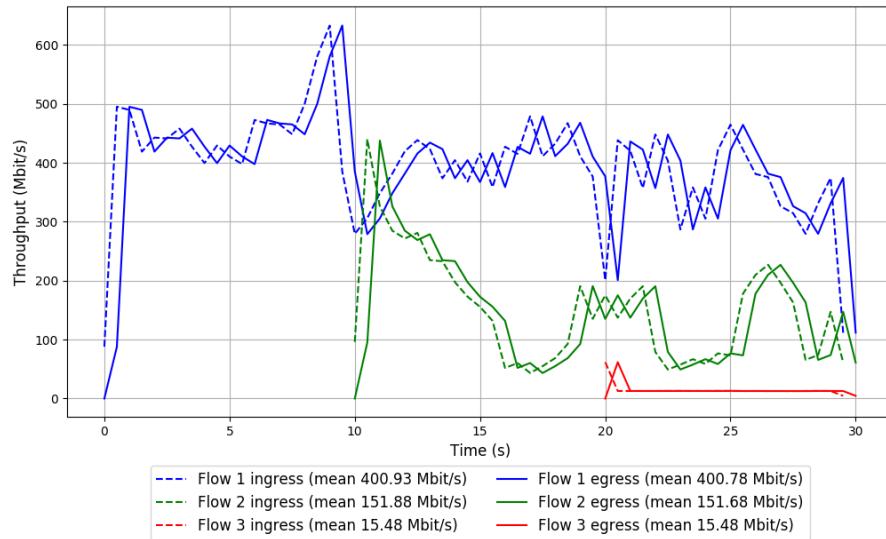


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 09:24:29
End at: 2019-09-18 09:24:59
Local clock offset: -3.049 ms
Remote clock offset: 0.167 ms

# Below is generated by plot.py at 2019-09-18 13:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 506.25 Mbit/s
95th percentile per-packet one-way delay: 1.437 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 400.78 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 151.68 Mbit/s
95th percentile per-packet one-way delay: 0.593 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 0.525 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link

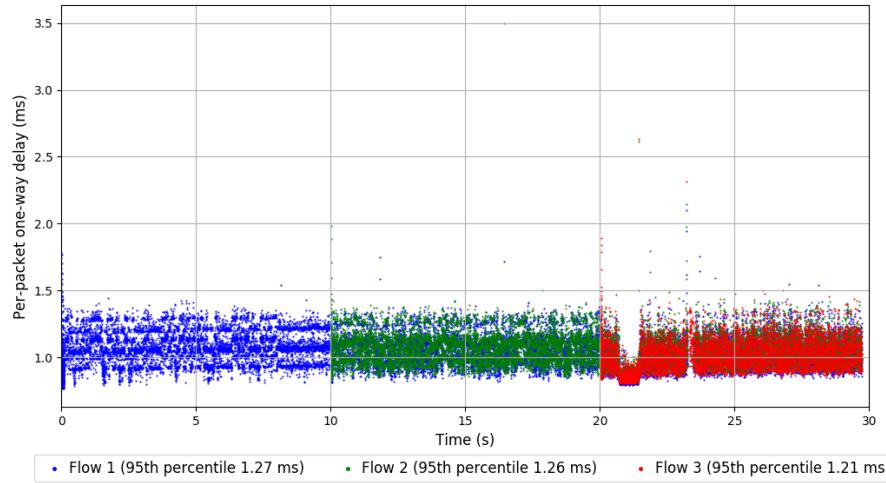
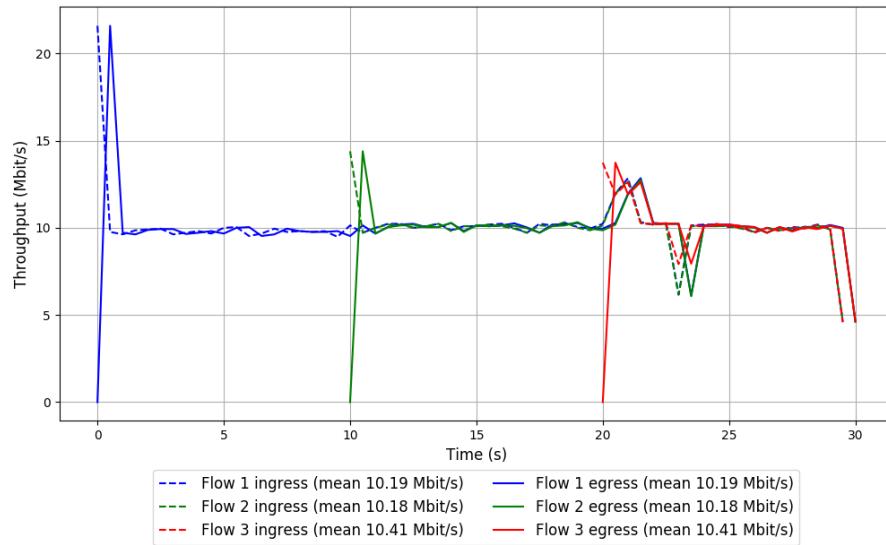


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 10:00:08
End at: 2019-09-18 10:00:38
Local clock offset: 0.896 ms
Remote clock offset: 4.629 ms

# Below is generated by plot.py at 2019-09-18 13:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.01%
```

Run 2: Report of Muses_DecisionTree — Data Link

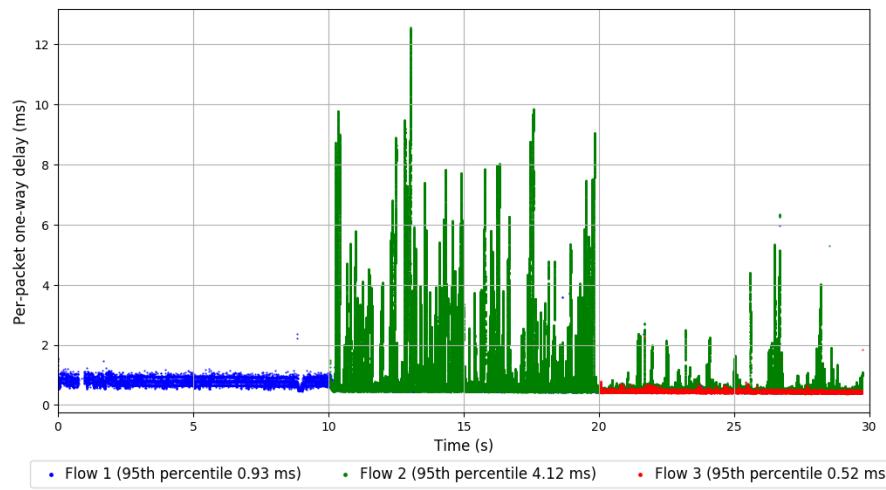
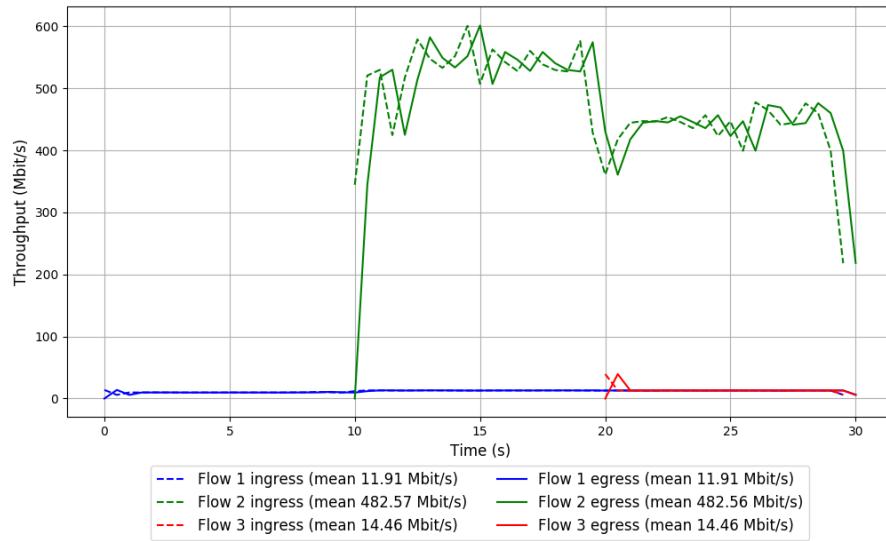


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 10:35:10
End at: 2019-09-18 10:35:40
Local clock offset: -0.222 ms
Remote clock offset: 3.839 ms

# Below is generated by plot.py at 2019-09-18 13:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 336.38 Mbit/s
95th percentile per-packet one-way delay: 4.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 0.928 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 482.56 Mbit/s
95th percentile per-packet one-way delay: 4.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 0.524 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTree — Data Link

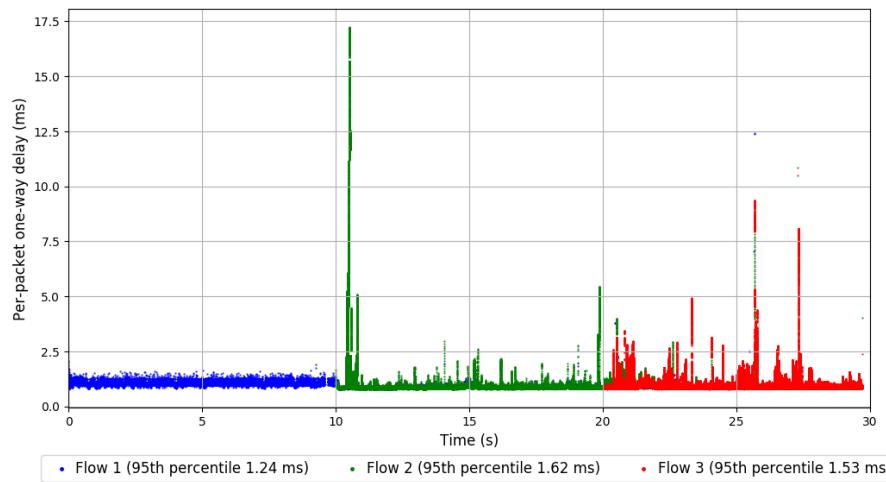
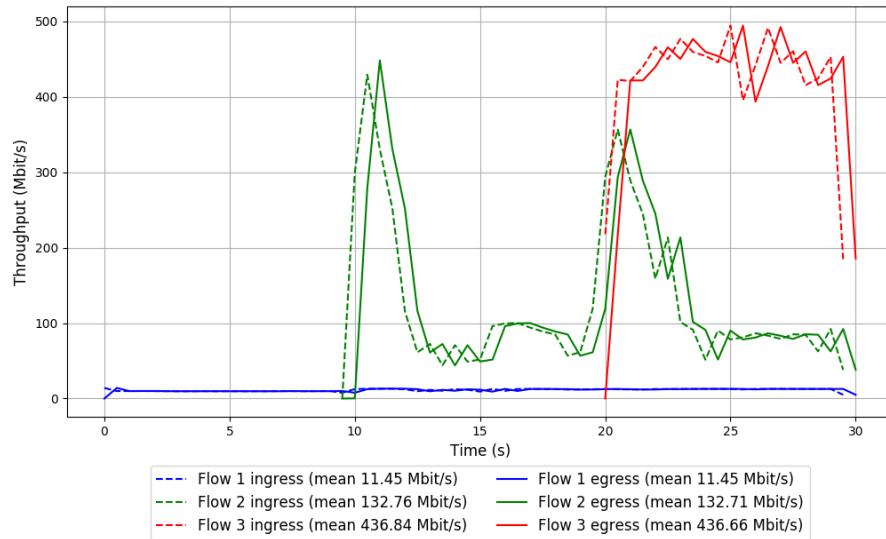


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 11:10:36
End at: 2019-09-18 11:11:06
Local clock offset: -2.149 ms
Remote clock offset: 3.213 ms

# Below is generated by plot.py at 2019-09-18 13:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 241.92 Mbit/s
95th percentile per-packet one-way delay: 1.514 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 132.71 Mbit/s
95th percentile per-packet one-way delay: 1.625 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 436.66 Mbit/s
95th percentile per-packet one-way delay: 1.530 ms
Loss rate: 0.03%
```

Run 4: Report of Muses_DecisionTree — Data Link

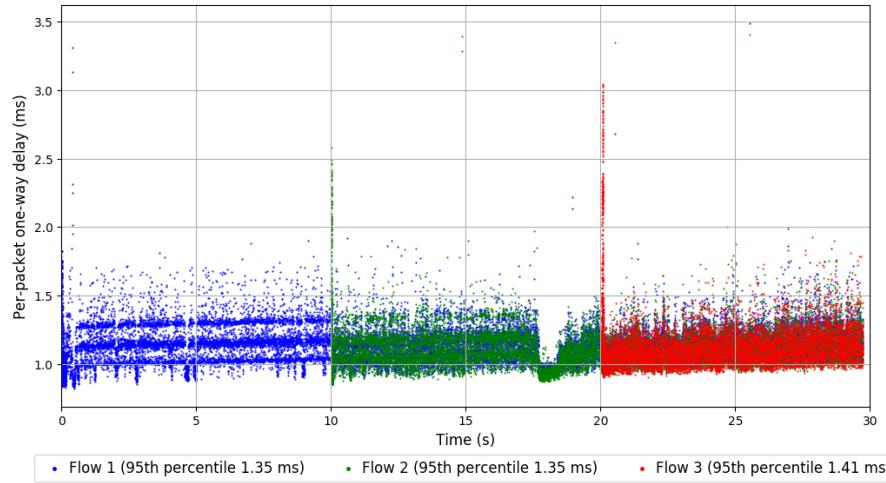
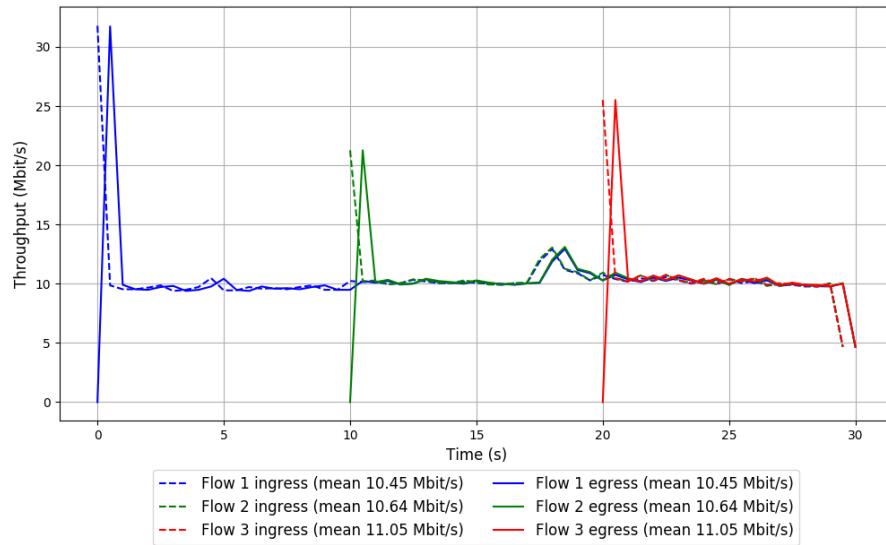


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 11:45:41
End at: 2019-09-18 11:46:11
Local clock offset: 0.218 ms
Remote clock offset: 1.065 ms

# Below is generated by plot.py at 2019-09-18 13:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTree — Data Link

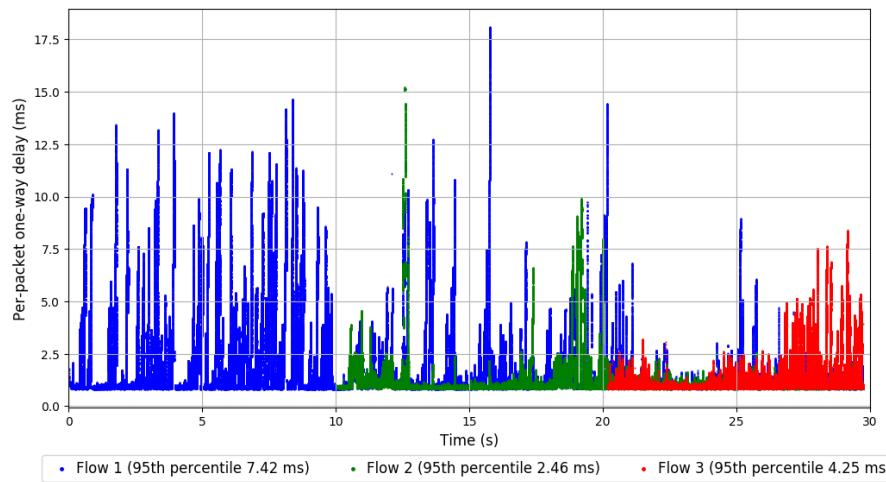
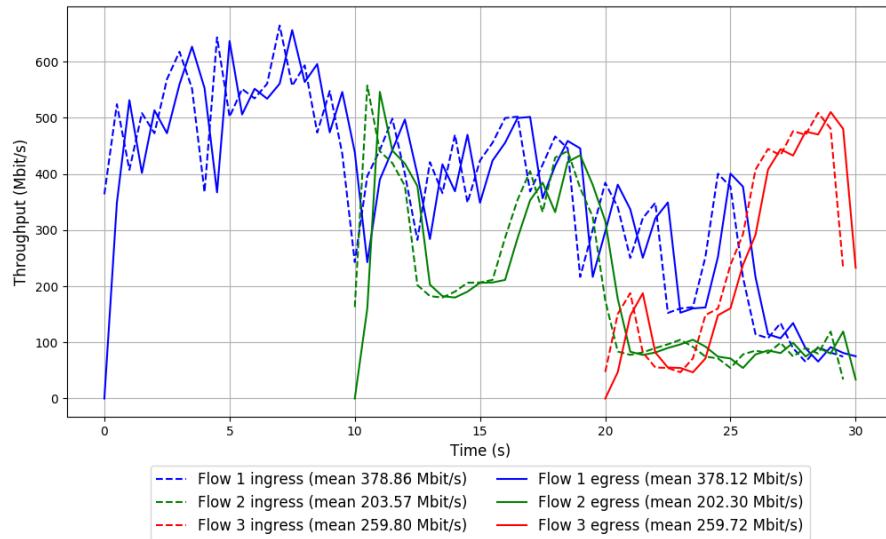


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 09:43:40
End at: 2019-09-18 09:44:10
Local clock offset: -0.217 ms
Remote clock offset: 4.081 ms

# Below is generated by plot.py at 2019-09-18 13:07:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.90 Mbit/s
95th percentile per-packet one-way delay: 6.187 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 378.12 Mbit/s
95th percentile per-packet one-way delay: 7.422 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 202.30 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 259.72 Mbit/s
95th percentile per-packet one-way delay: 4.245 ms
Loss rate: 0.08%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

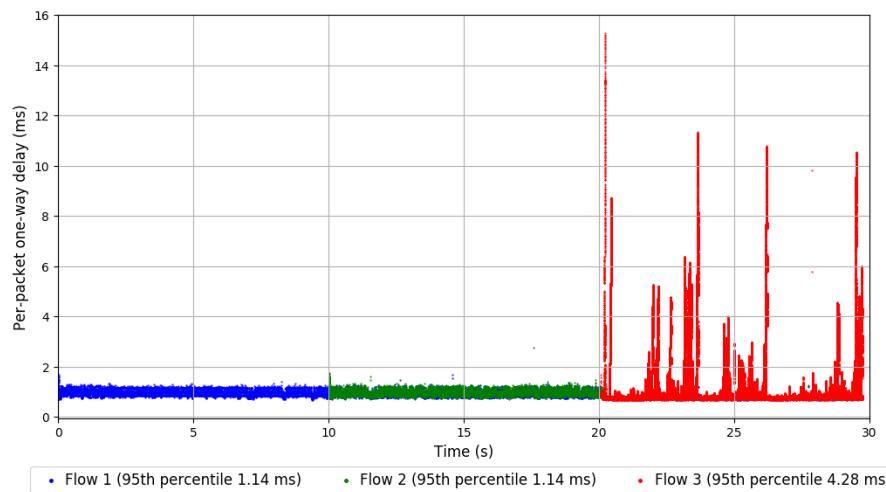
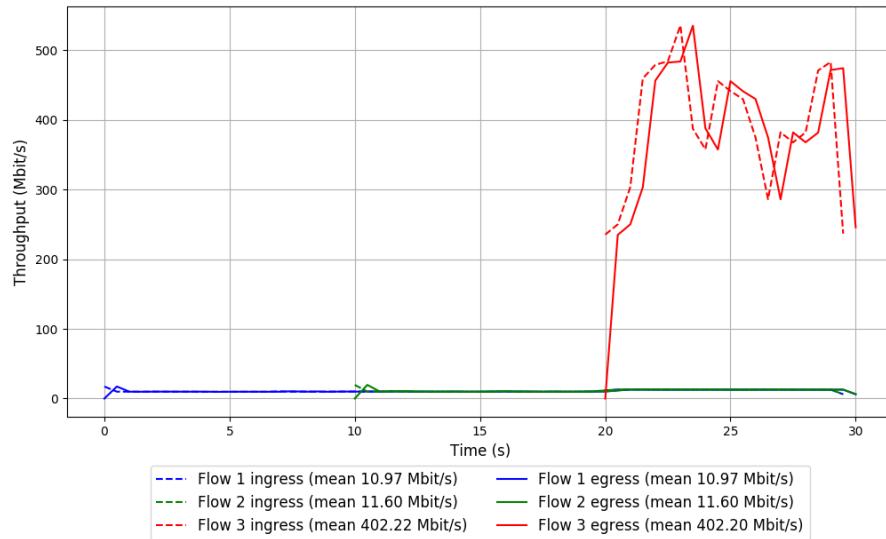


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 10:19:03
End at: 2019-09-18 10:19:33
Local clock offset: 1.308 ms
Remote clock offset: 4.016 ms

# Below is generated by plot.py at 2019-09-18 13:07:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 149.80 Mbit/s
95th percentile per-packet one-way delay: 3.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 402.20 Mbit/s
95th percentile per-packet one-way delay: 4.282 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

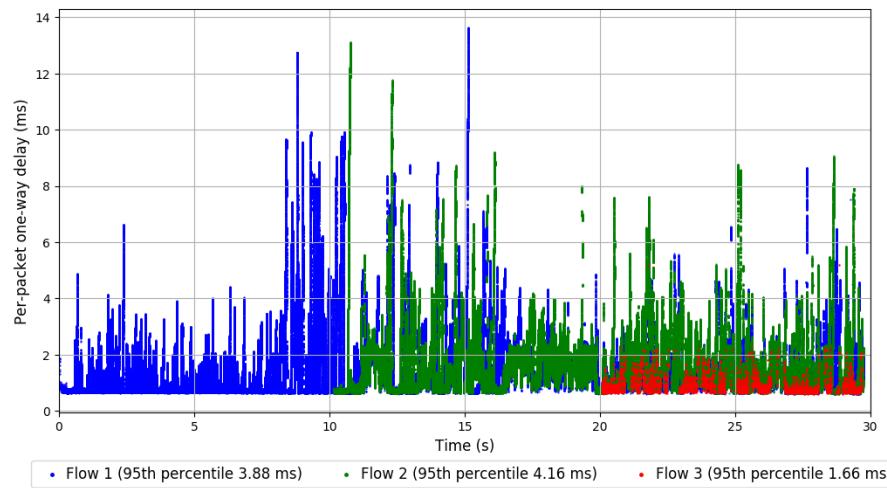
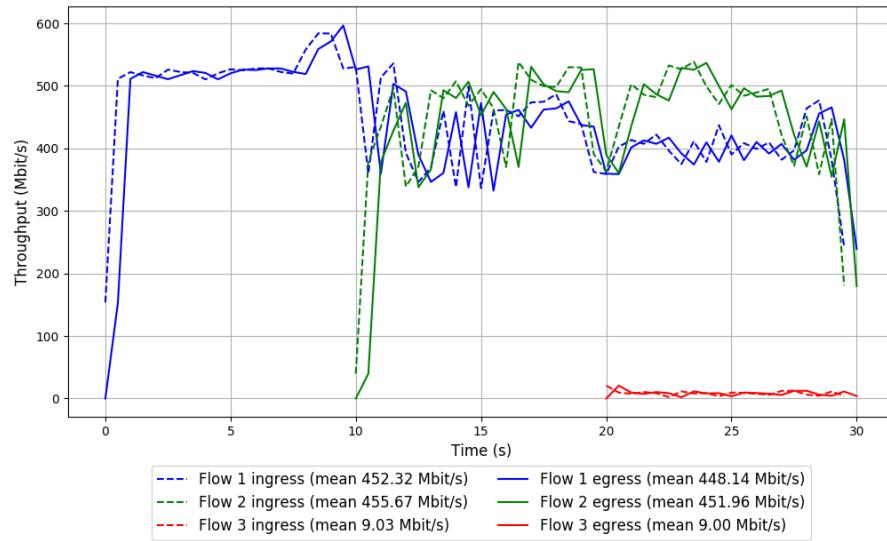


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 10:54:16
End at: 2019-09-18 10:54:46
Local clock offset: -3.142 ms
Remote clock offset: 3.326 ms

# Below is generated by plot.py at 2019-09-18 13:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 749.04 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 448.14 Mbit/s
95th percentile per-packet one-way delay: 3.878 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 451.96 Mbit/s
95th percentile per-packet one-way delay: 4.156 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 1.663 ms
Loss rate: 0.34%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

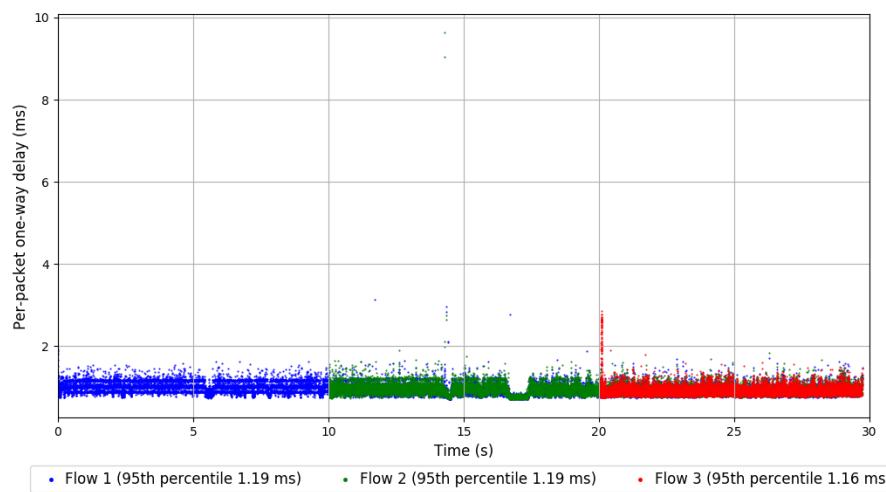
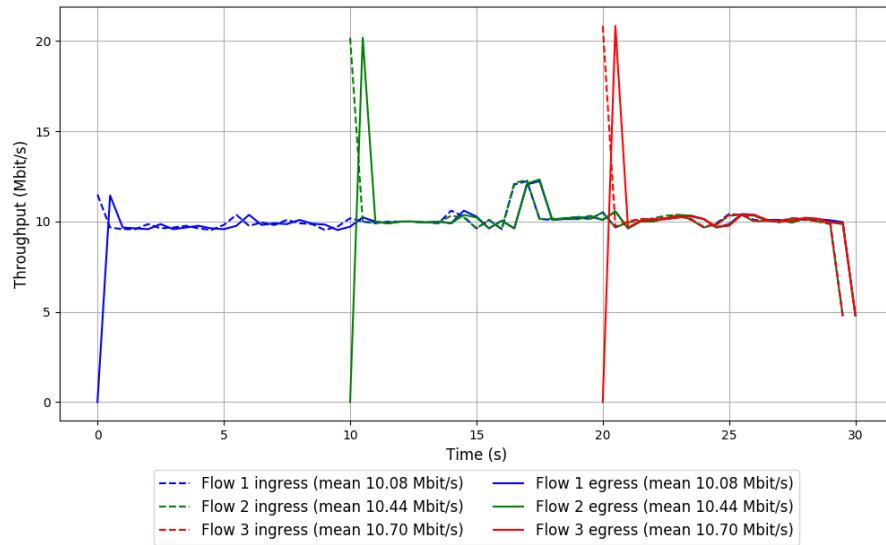


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 11:29:42
End at: 2019-09-18 11:30:12
Local clock offset: -1.62 ms
Remote clock offset: 3.049 ms

# Below is generated by plot.py at 2019-09-18 13:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

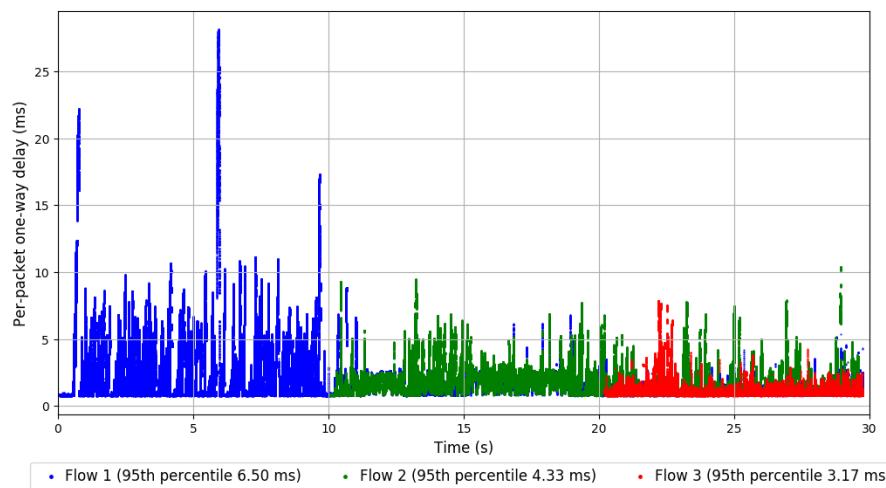
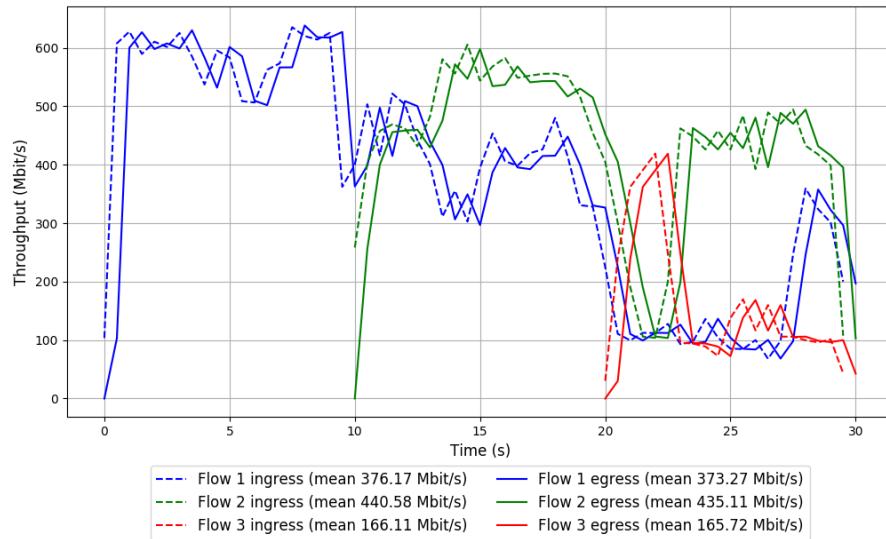


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 12:04:28
End at: 2019-09-18 12:04:58
Local clock offset: 0.6 ms
Remote clock offset: -1.336 ms

# Below is generated by plot.py at 2019-09-18 13:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 714.66 Mbit/s
95th percentile per-packet one-way delay: 5.464 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 373.27 Mbit/s
95th percentile per-packet one-way delay: 6.500 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 435.11 Mbit/s
95th percentile per-packet one-way delay: 4.329 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 165.72 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.23%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

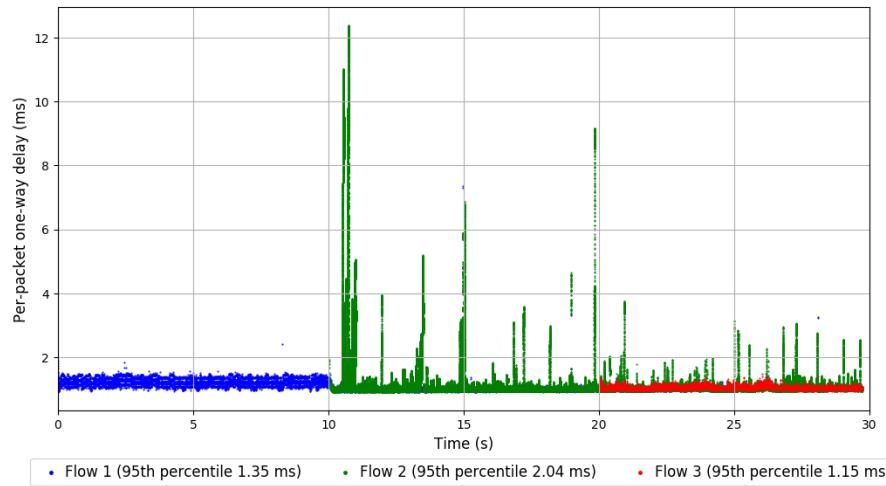
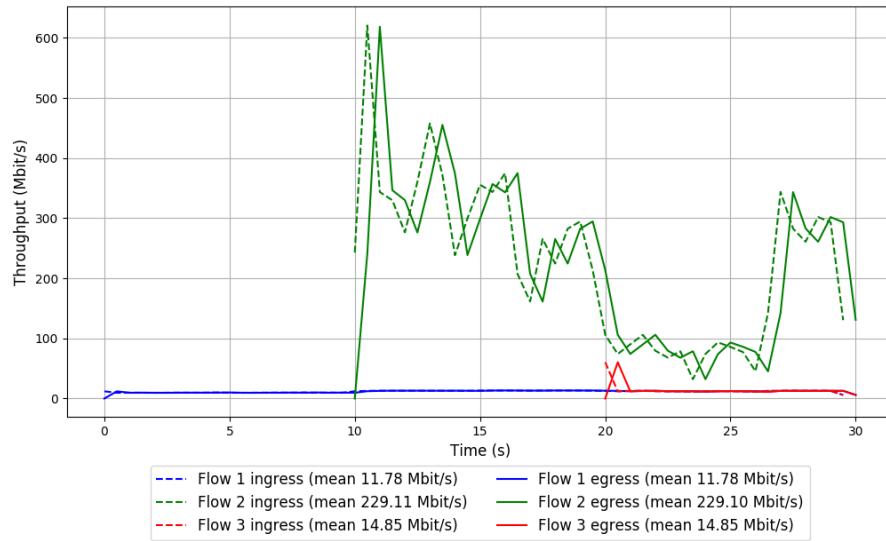


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 09:33:07
End at: 2019-09-18 09:33:37
Local clock offset: -2.362 ms
Remote clock offset: 2.611 ms

# Below is generated by plot.py at 2019-09-18 13:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 168.48 Mbit/s
95th percentile per-packet one-way delay: 1.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.10 Mbit/s
95th percentile per-packet one-way delay: 2.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

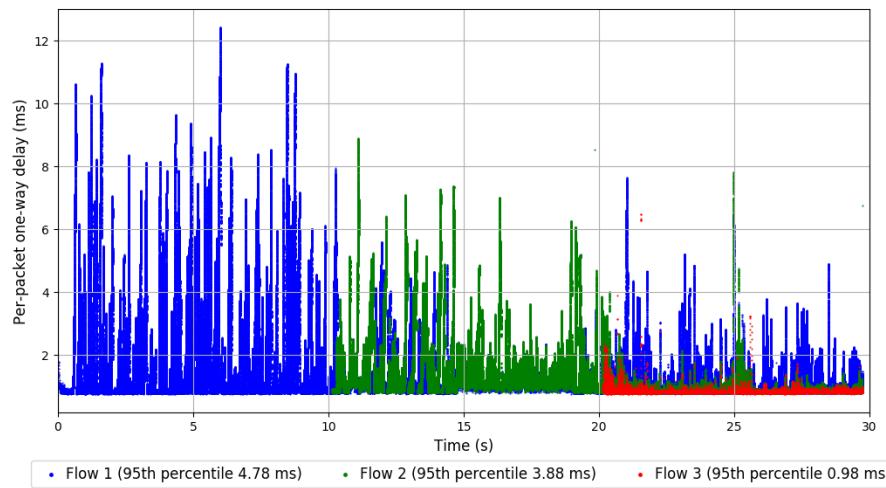
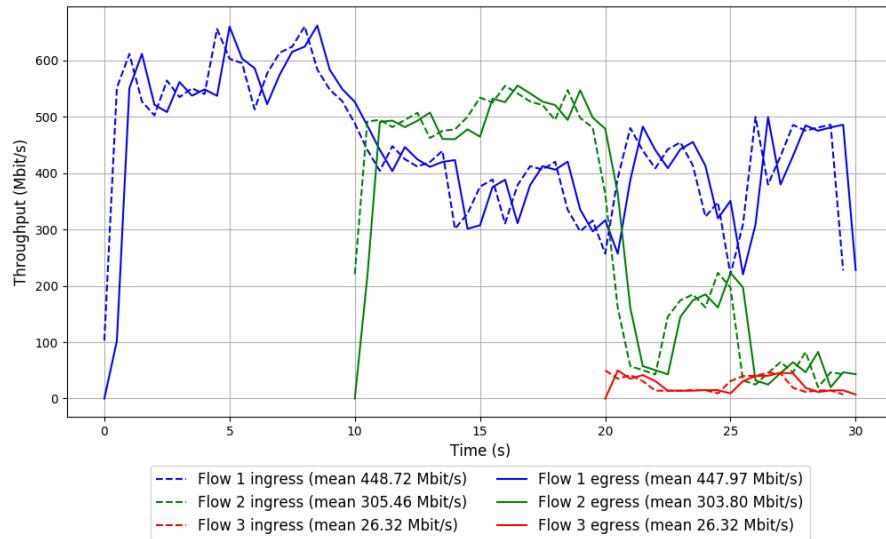


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 10:08:34
End at: 2019-09-18 10:09:04
Local clock offset: 1.061 ms
Remote clock offset: 4.056 ms

# Below is generated by plot.py at 2019-09-18 13:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 657.00 Mbit/s
95th percentile per-packet one-way delay: 4.425 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 447.97 Mbit/s
95th percentile per-packet one-way delay: 4.776 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 303.80 Mbit/s
95th percentile per-packet one-way delay: 3.885 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 0.978 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

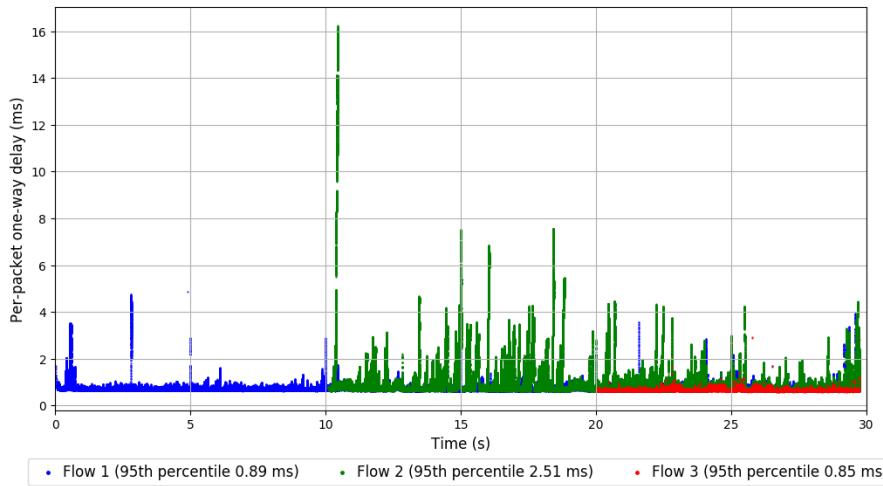
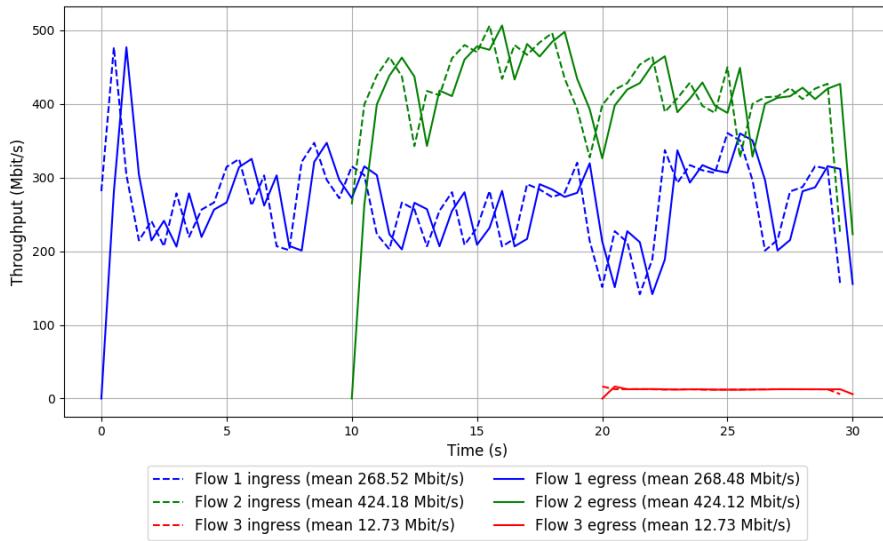


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 10:43:50
End at: 2019-09-18 10:44:20
Local clock offset: -2.151 ms
Remote clock offset: 3.401 ms

# Below is generated by plot.py at 2019-09-18 13:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.94 Mbit/s
95th percentile per-packet one-way delay: 1.826 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 268.48 Mbit/s
95th percentile per-packet one-way delay: 0.893 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 424.12 Mbit/s
95th percentile per-packet one-way delay: 2.512 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 0.852 ms
Loss rate: 0.01%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

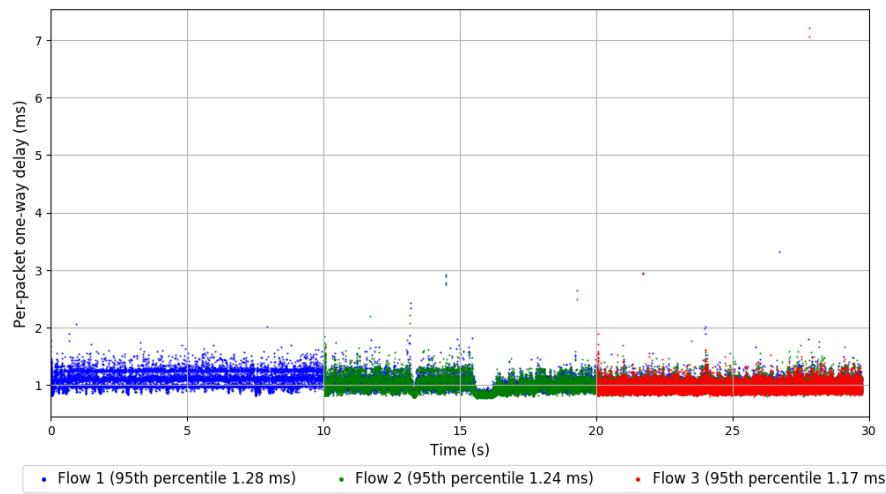
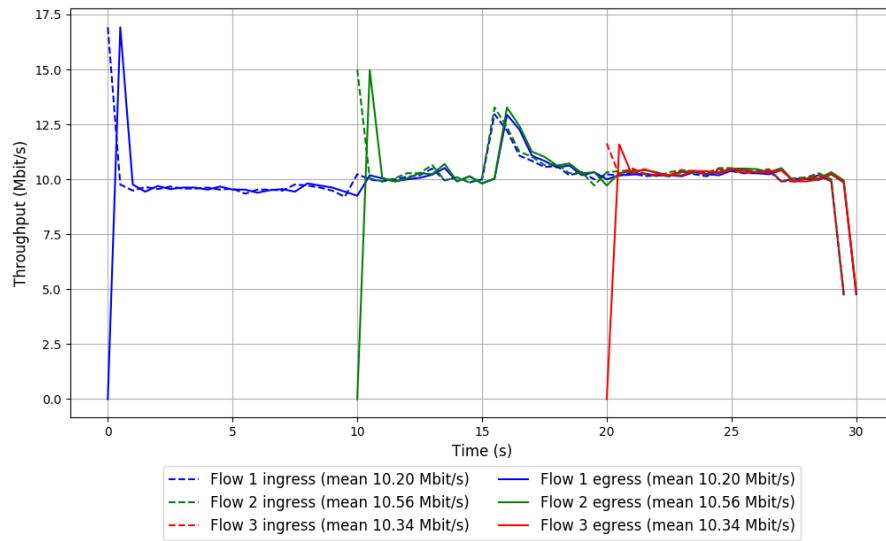


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 11:19:13
End at: 2019-09-18 11:19:43
Local clock offset: -1.767 ms
Remote clock offset: 3.103 ms

# Below is generated by plot.py at 2019-09-18 13:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

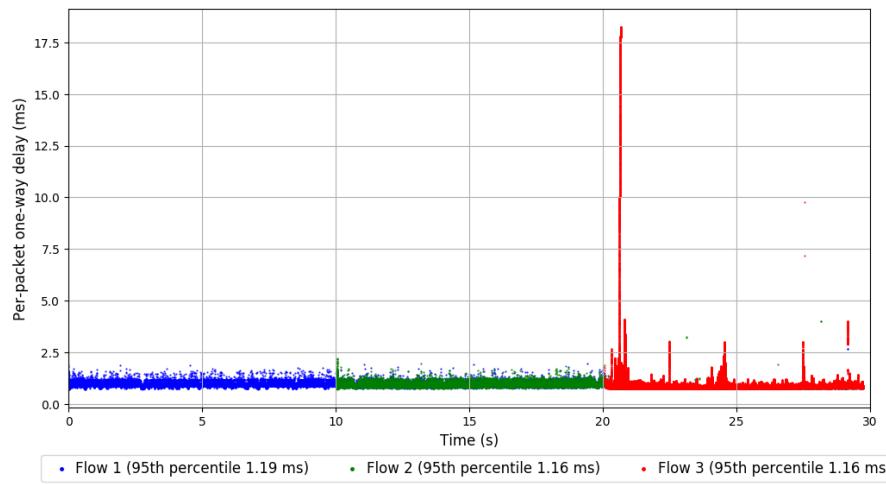
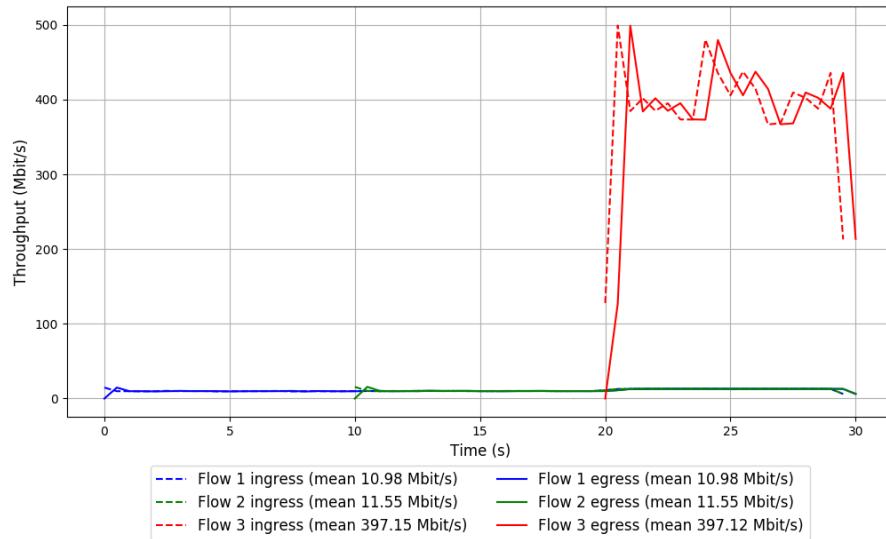


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 11:54:05
End at: 2019-09-18 11:54:35
Local clock offset: 0.626 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2019-09-18 13:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 148.05 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 397.12 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.01%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

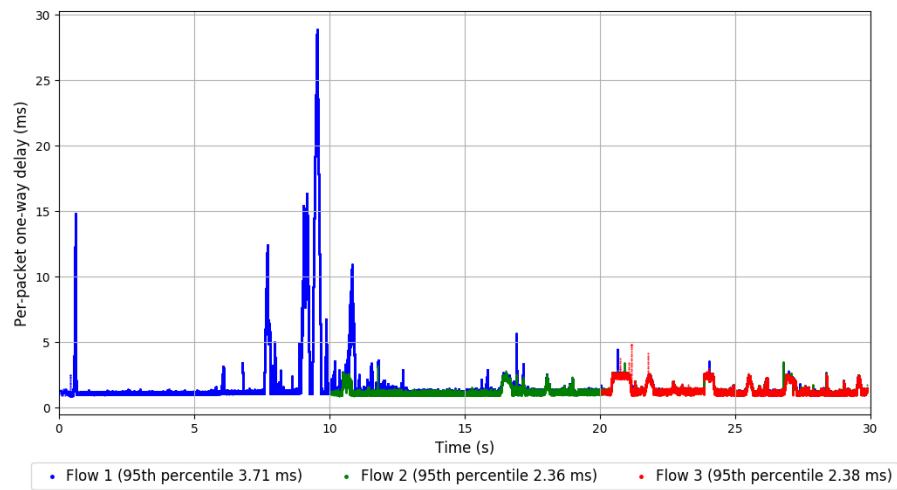
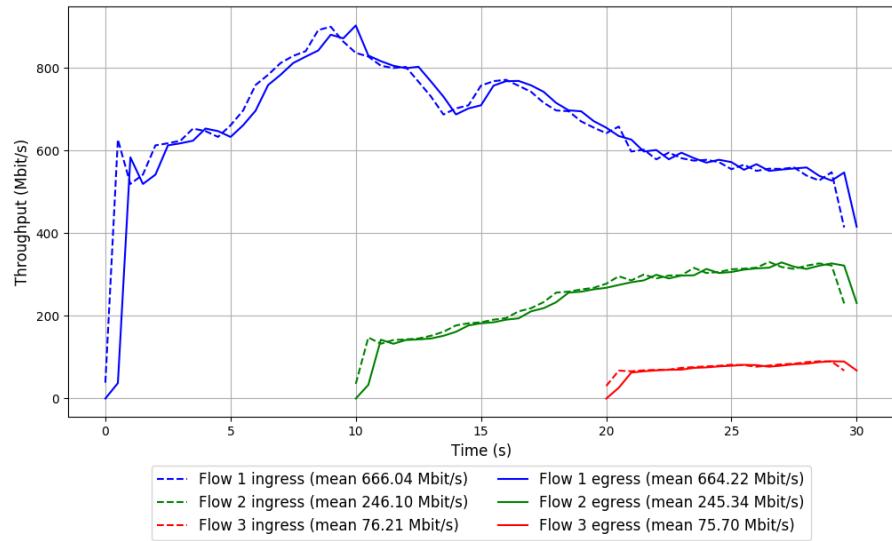


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-09-18 09:35:42
End at: 2019-09-18 09:36:12
Local clock offset: -1.623 ms
Remote clock offset: 3.034 ms

# Below is generated by plot.py at 2019-09-18 13:16:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 852.26 Mbit/s
95th percentile per-packet one-way delay: 2.582 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 664.22 Mbit/s
95th percentile per-packet one-way delay: 3.707 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 245.34 Mbit/s
95th percentile per-packet one-way delay: 2.358 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.66%
```

Run 1: Report of PCC-Allegro — Data Link

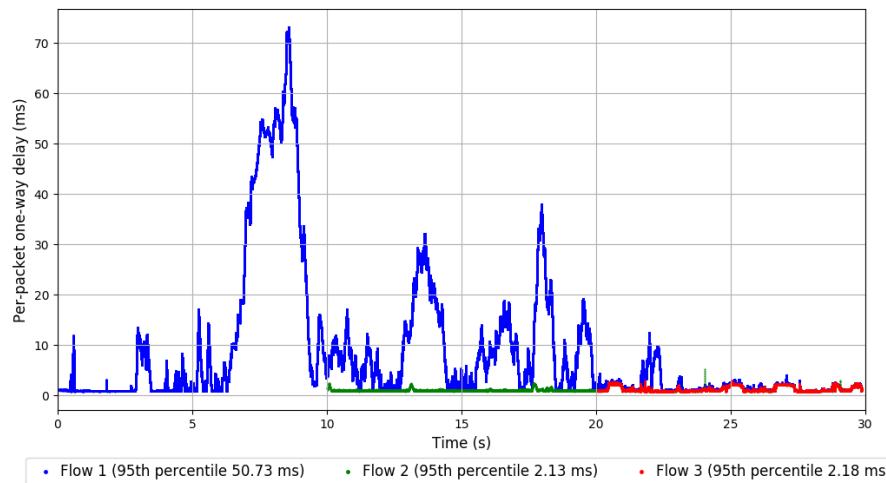
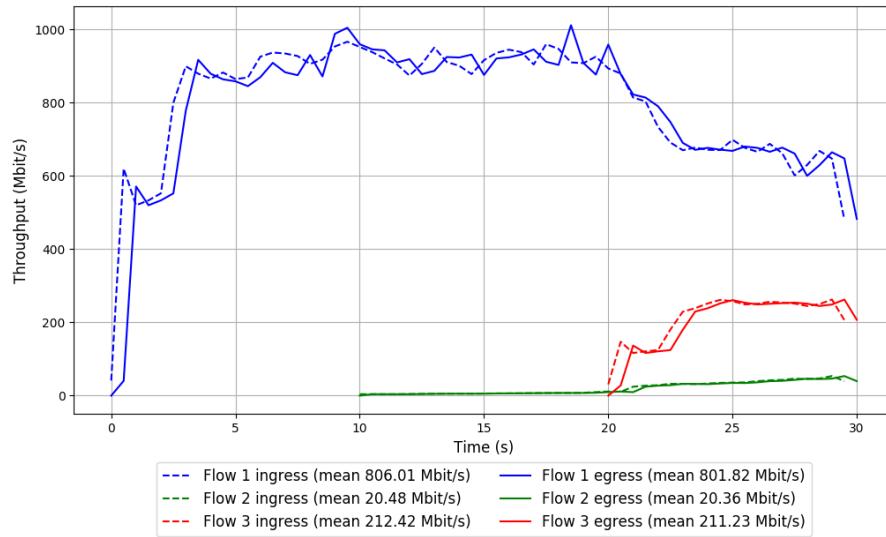


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-09-18 10:11:25
End at: 2019-09-18 10:11:55
Local clock offset: 1.122 ms
Remote clock offset: 3.992 ms

# Below is generated by plot.py at 2019-09-18 13:17:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 885.05 Mbit/s
95th percentile per-packet one-way delay: 48.077 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 801.82 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 2.126 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 211.23 Mbit/s
95th percentile per-packet one-way delay: 2.180 ms
Loss rate: 0.56%
```

Run 2: Report of PCC-Allegro — Data Link

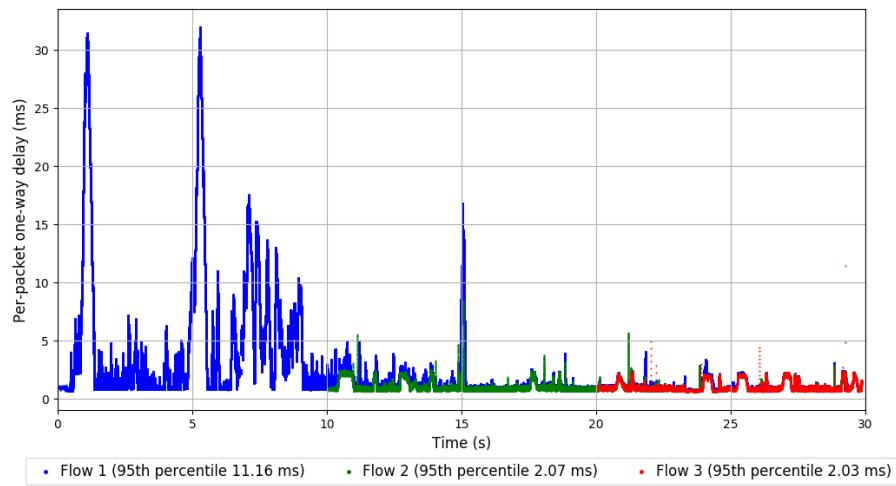
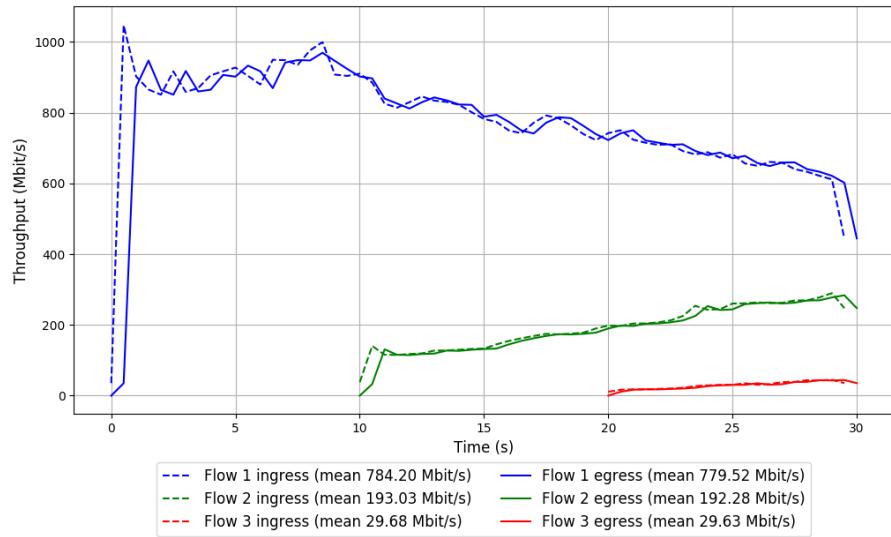


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-09-18 10:46:38
End at: 2019-09-18 10:47:08
Local clock offset: -2.512 ms
Remote clock offset: 3.359 ms

# Below is generated by plot.py at 2019-09-18 13:18:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.15 Mbit/s
95th percentile per-packet one-way delay: 9.867 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 779.52 Mbit/s
95th percentile per-packet one-way delay: 11.157 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 2.073 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 2.030 ms
Loss rate: 0.16%
```

Run 3: Report of PCC-Allegro — Data Link

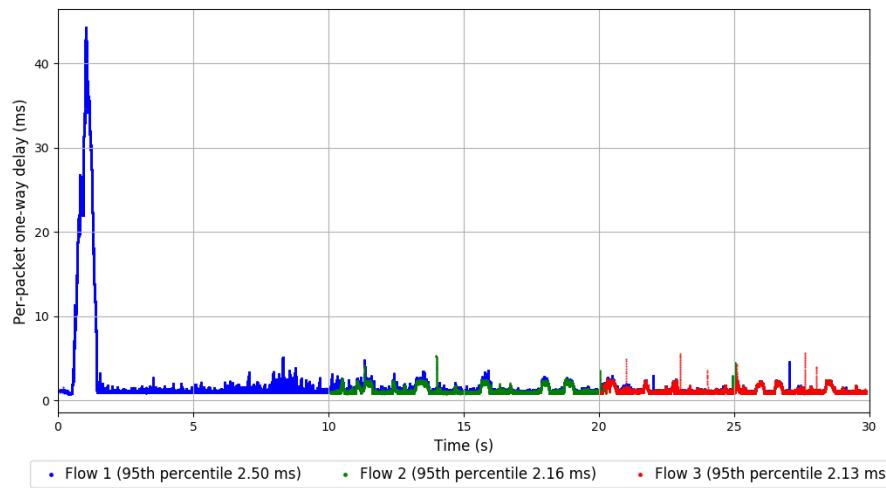
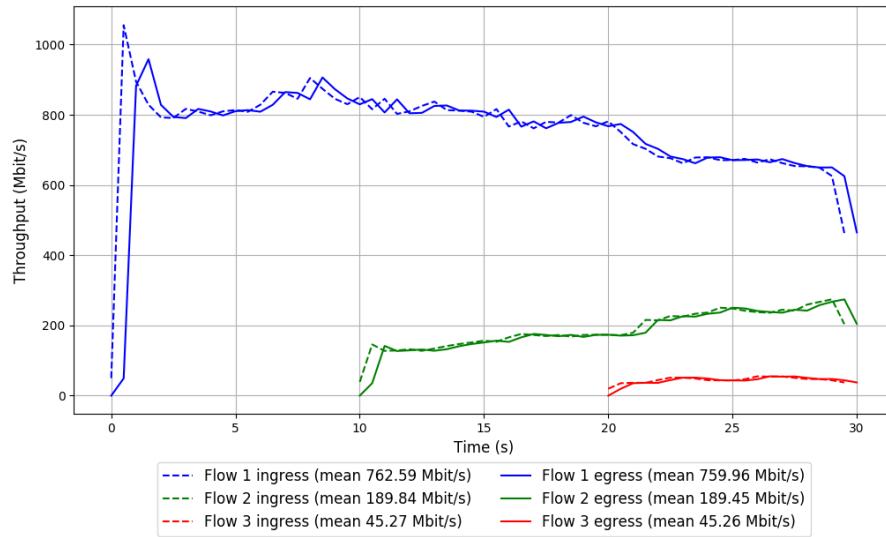


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-09-18 11:21:43
End at: 2019-09-18 11:22:13
Local clock offset: -1.715 ms
Remote clock offset: 3.082 ms

# Below is generated by plot.py at 2019-09-18 13:19:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 900.84 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 759.96 Mbit/s
95th percentile per-packet one-way delay: 2.500 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 189.45 Mbit/s
95th percentile per-packet one-way delay: 2.157 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.03%
```

Run 4: Report of PCC-Allegro — Data Link

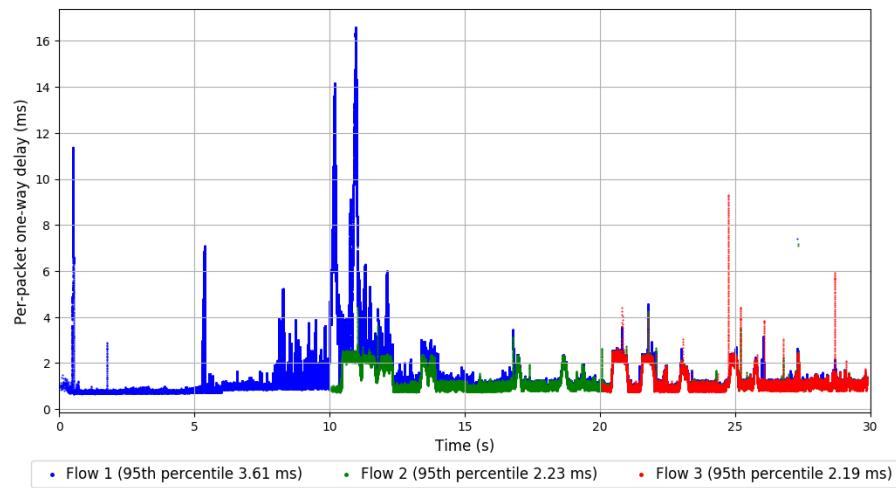
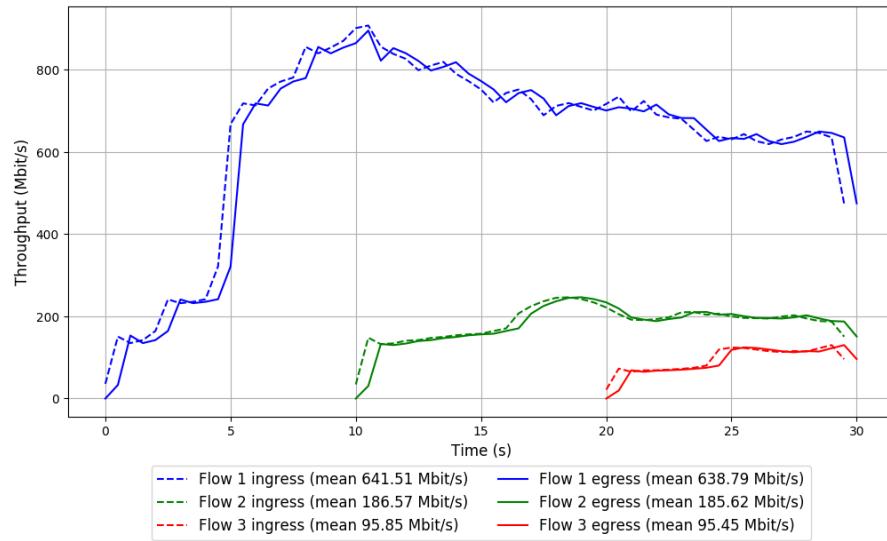


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-09-18 11:56:39
End at: 2019-09-18 11:57:09
Local clock offset: 0.683 ms
Remote clock offset: -0.734 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.68 Mbit/s
95th percentile per-packet one-way delay: 3.095 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 638.79 Mbit/s
95th percentile per-packet one-way delay: 3.610 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 185.62 Mbit/s
95th percentile per-packet one-way delay: 2.231 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 2.191 ms
Loss rate: 0.41%
```

Run 5: Report of PCC-Allegro — Data Link

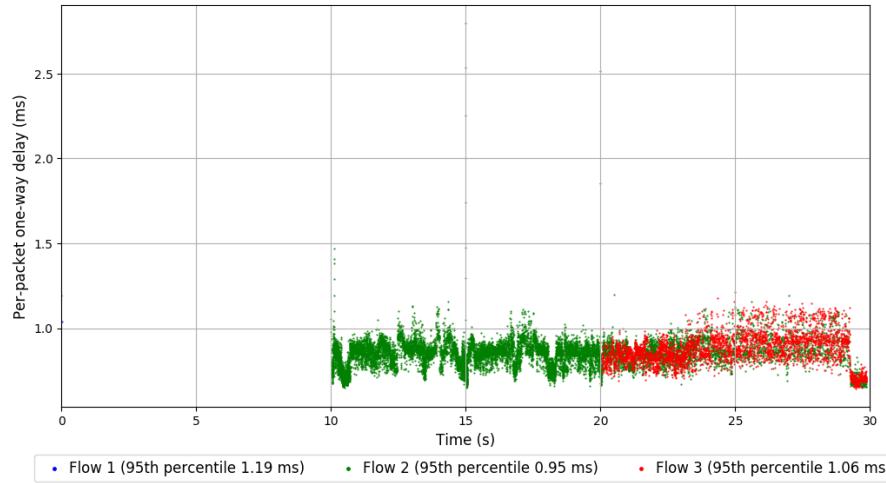
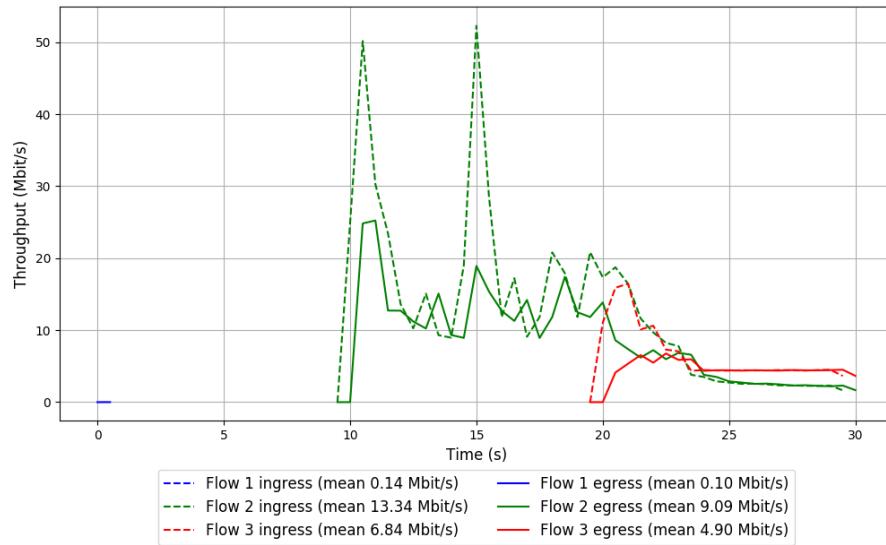


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-09-18 09:18:59
End at: 2019-09-18 09:19:30
Local clock offset: -2.769 ms
Remote clock offset: -0.582 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 31.17%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 31.87%
-- Flow 3:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 28.41%
```

Run 1: Report of PCC-Expr — Data Link

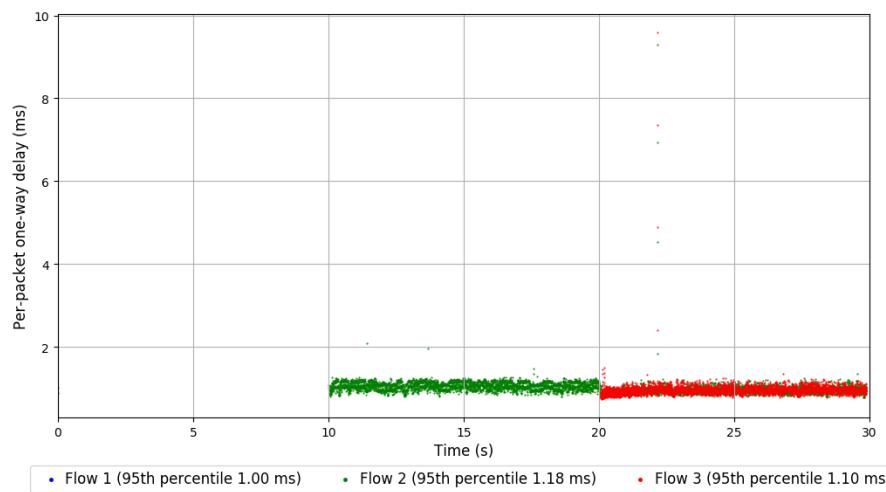
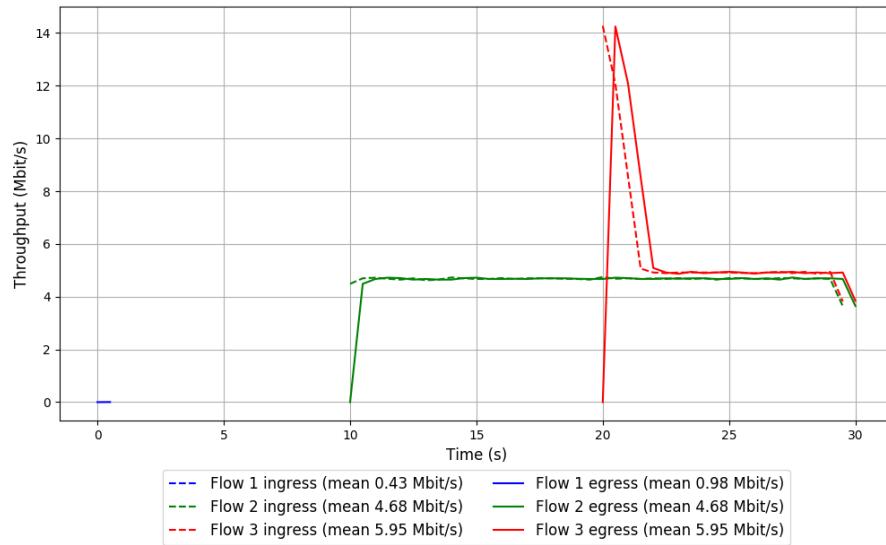


Run 2: Statistics of PCC-Expr

```
Start at: 2019-09-18 09:54:27
End at: 2019-09-18 09:54:57
Local clock offset: 0.598 ms
Remote clock offset: 5.004 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

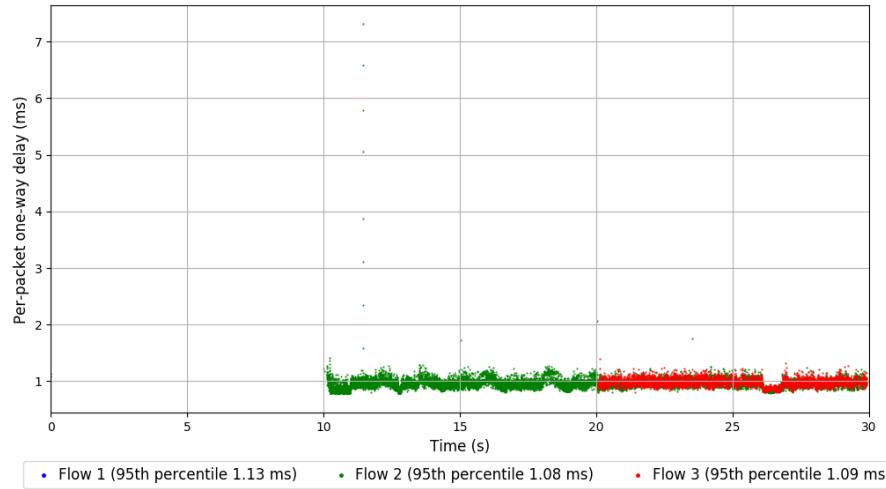
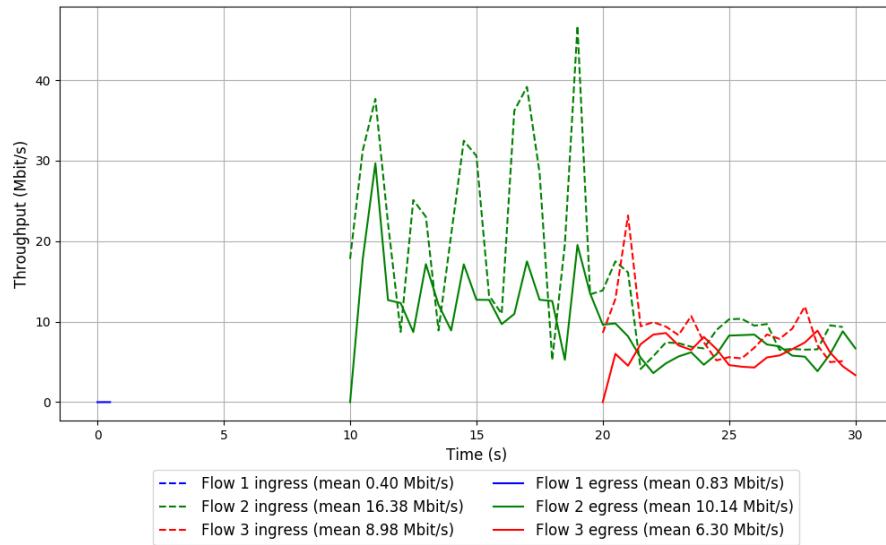


Run 3: Statistics of PCC-Expr

```
Start at: 2019-09-18 10:29:33
End at: 2019-09-18 10:30:03
Local clock offset: 1.572 ms
Remote clock offset: 4.427 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 36.29%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 38.06%
-- Flow 3:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 29.77%
```

Run 3: Report of PCC-Expr — Data Link

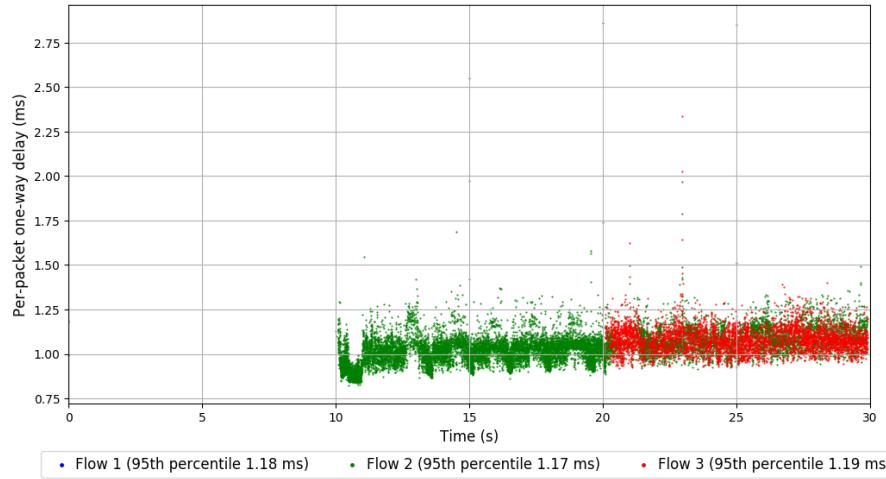
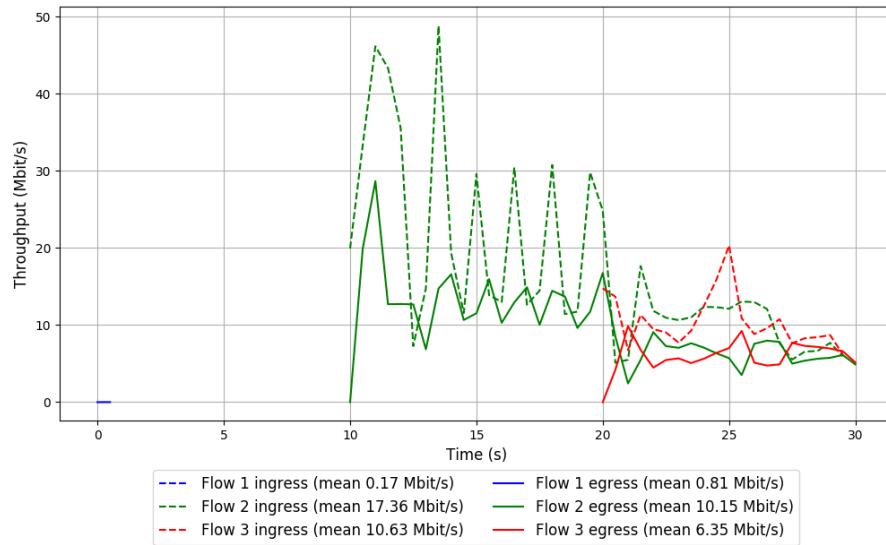


Run 4: Statistics of PCC-Expr

```
Start at: 2019-09-18 11:04:58
End at: 2019-09-18 11:05:28
Local clock offset: -2.699 ms
Remote clock offset: 3.504 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 41.24%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 41.53%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 40.27%
```

Run 4: Report of PCC-Expr — Data Link

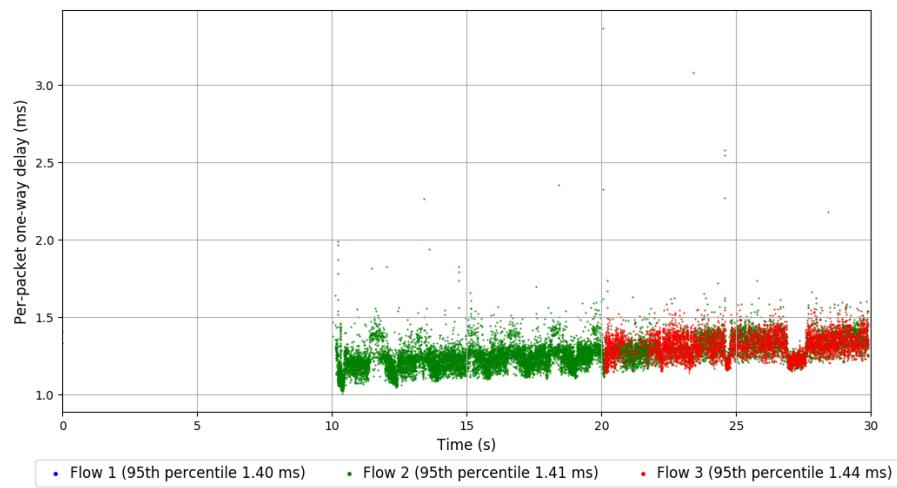
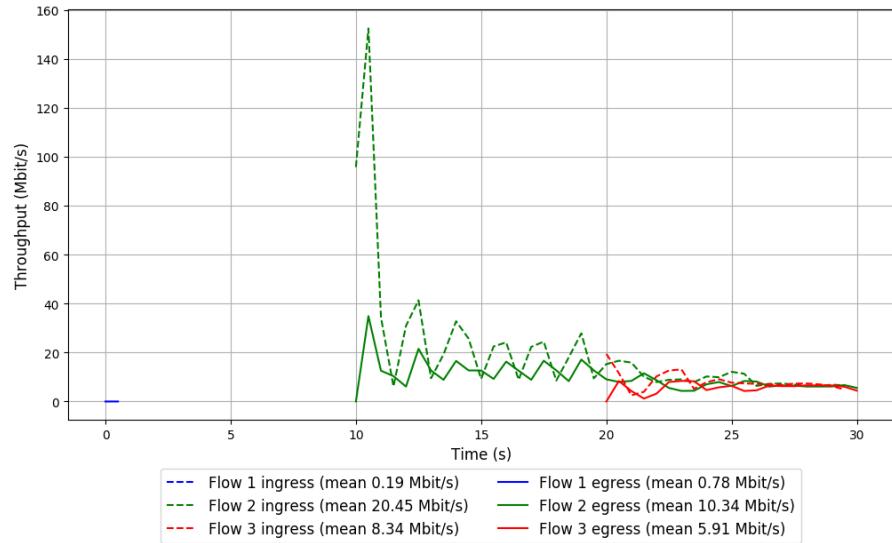


Run 5: Statistics of PCC-Expr

```
Start at: 2019-09-18 11:40:02
End at: 2019-09-18 11:40:32
Local clock offset: -0.229 ms
Remote clock offset: 2.82 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 46.03%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 1.403 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 49.45%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 1.439 ms
Loss rate: 29.14%
```

Run 5: Report of PCC-Expr — Data Link

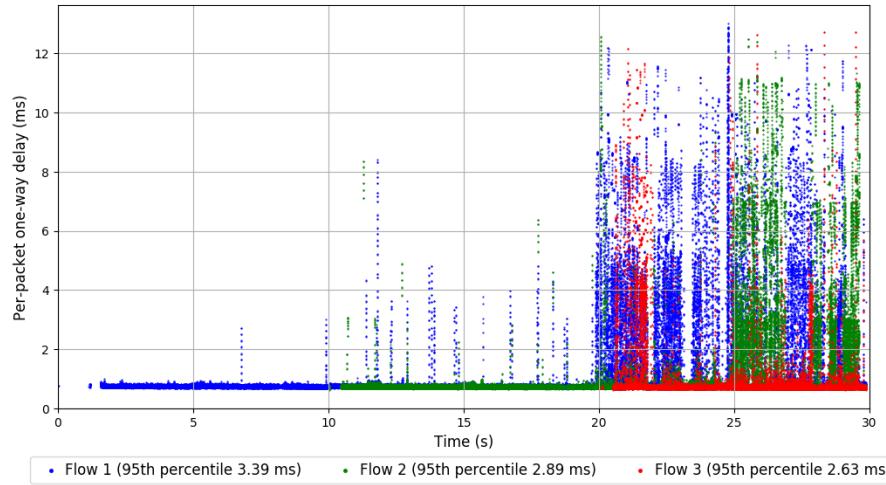
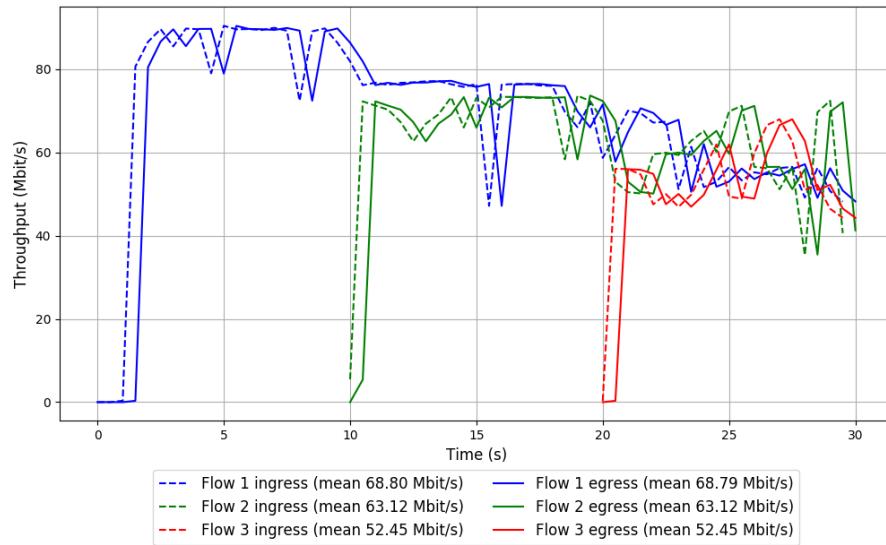


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-09-18 09:15:51
End at: 2019-09-18 09:16:21
Local clock offset: -2.56 ms
Remote clock offset: -0.565 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.94 Mbit/s
95th percentile per-packet one-way delay: 3.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 3.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 2.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

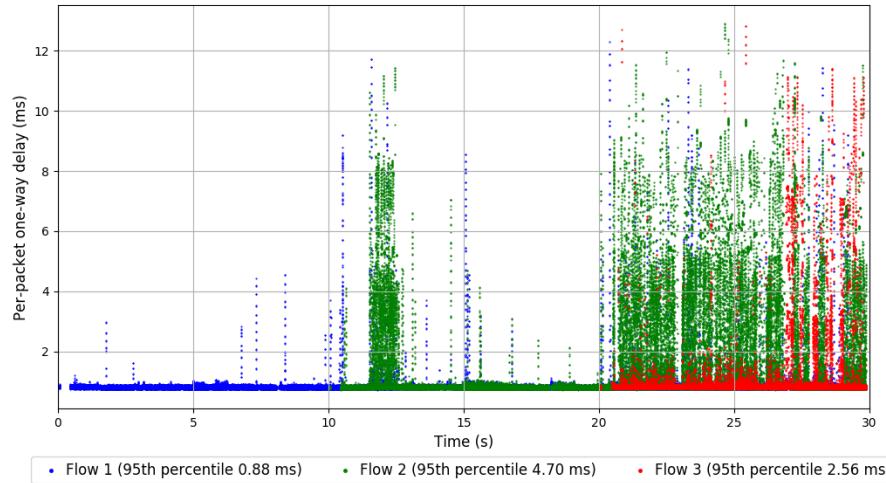
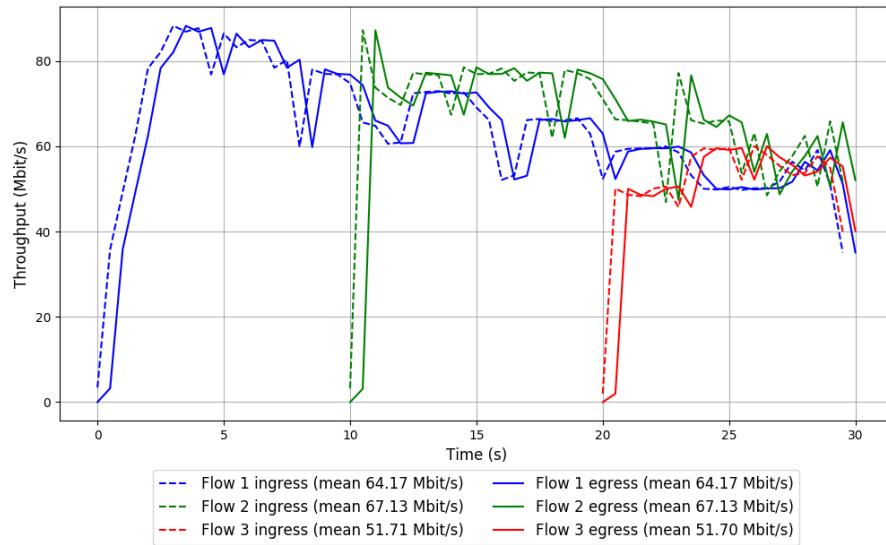


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-09-18 09:51:17
End at: 2019-09-18 09:51:47
Local clock offset: 0.431 ms
Remote clock offset: 4.759 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.79 Mbit/s
95th percentile per-packet one-way delay: 3.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 0.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 4.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 2.555 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

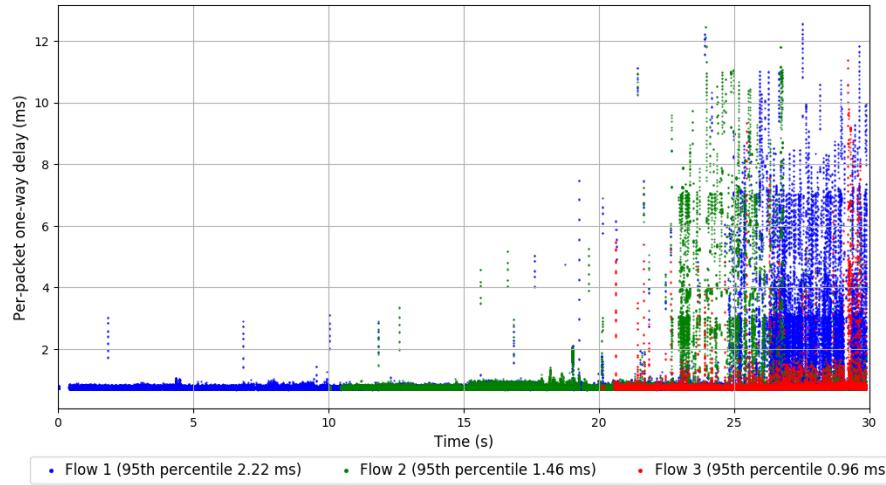
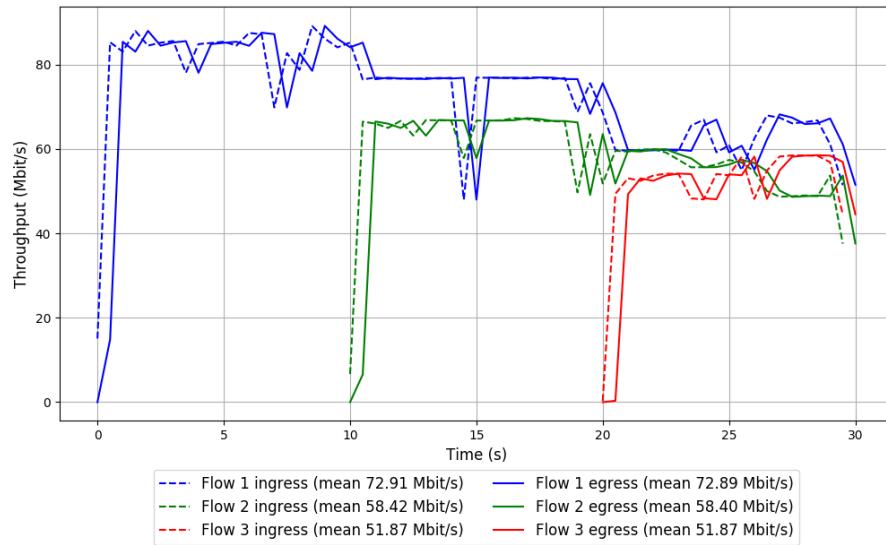


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-09-18 10:26:23
End at: 2019-09-18 10:26:53
Local clock offset: 1.495 ms
Remote clock offset: 4.239 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.69 Mbit/s
95th percentile per-packet one-way delay: 1.865 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 2.224 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

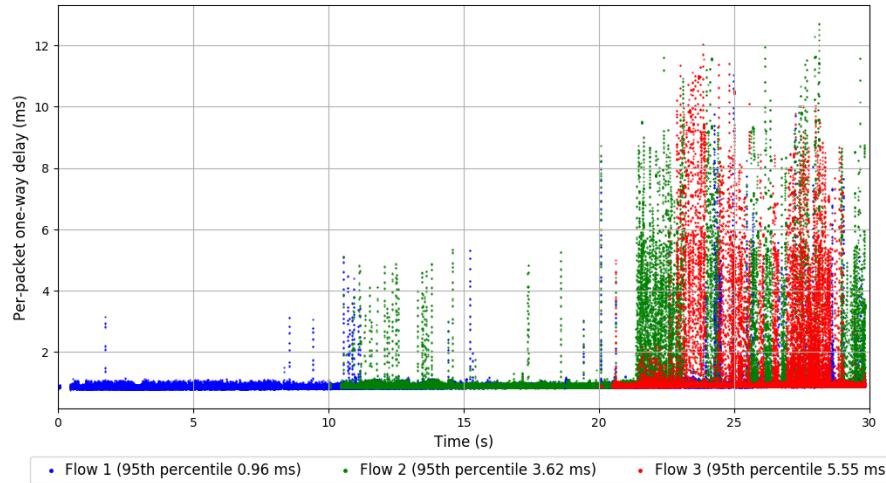
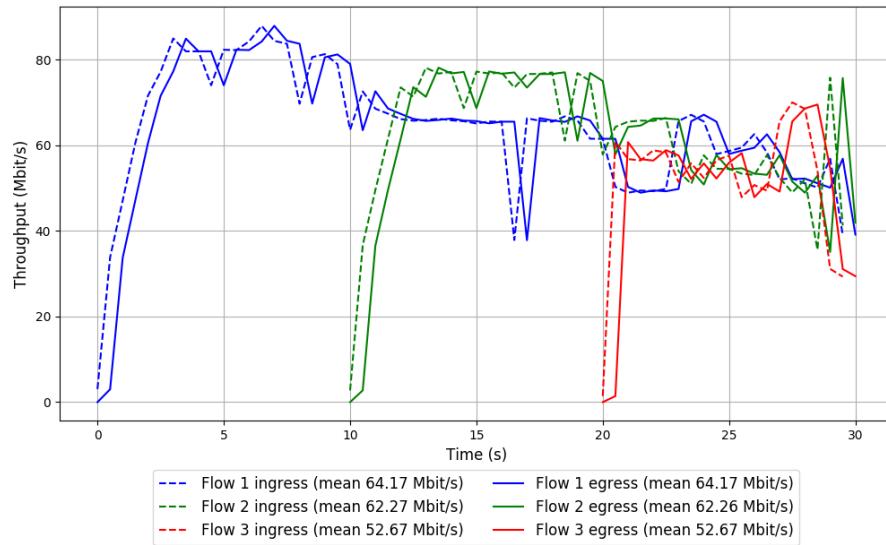


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-09-18 11:01:51
End at: 2019-09-18 11:02:21
Local clock offset: -3.246 ms
Remote clock offset: 3.404 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.86 Mbit/s
95th percentile per-packet one-way delay: 2.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.26 Mbit/s
95th percentile per-packet one-way delay: 3.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 5.550 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

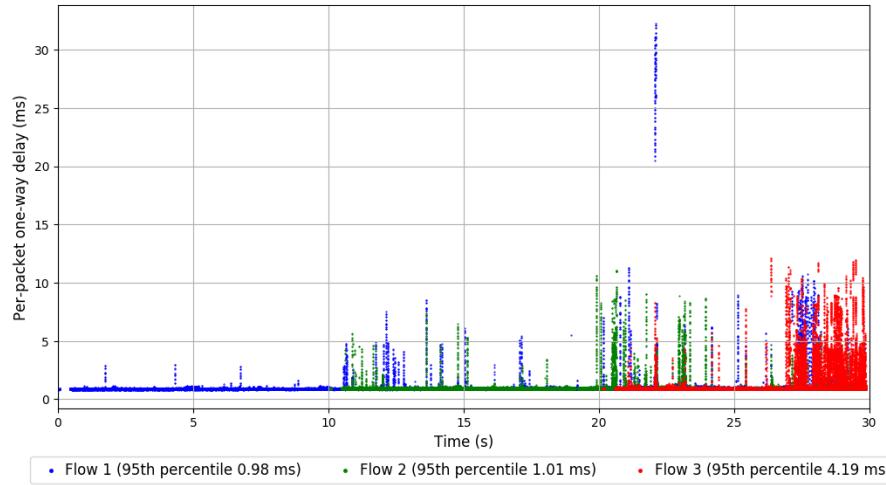
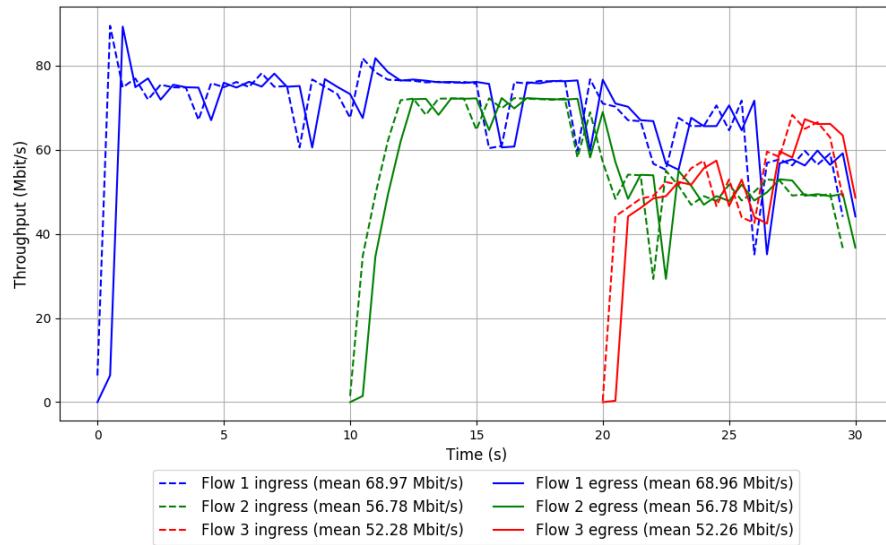


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-09-18 11:36:54
End at: 2019-09-18 11:37:24
Local clock offset: -0.559 ms
Remote clock offset: 3.094 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.73 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.96 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 4.192 ms
Loss rate: 0.02%
```

Run 5: Report of QUIC Cubic — Data Link

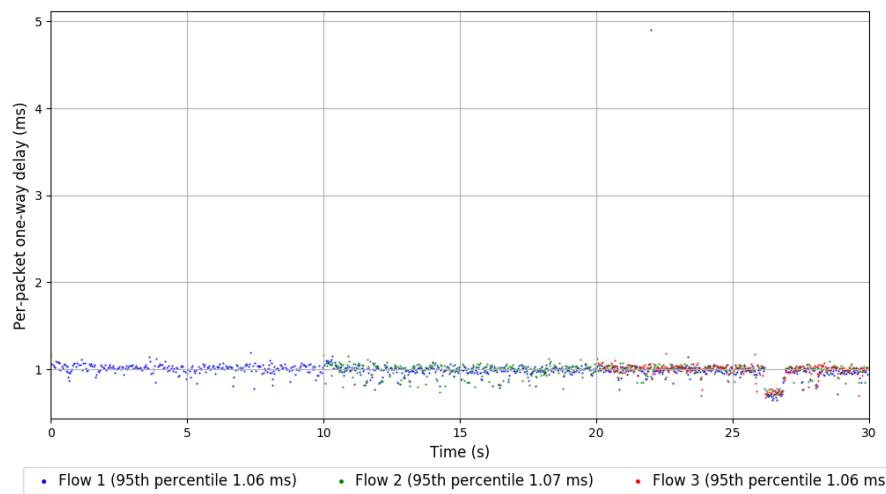
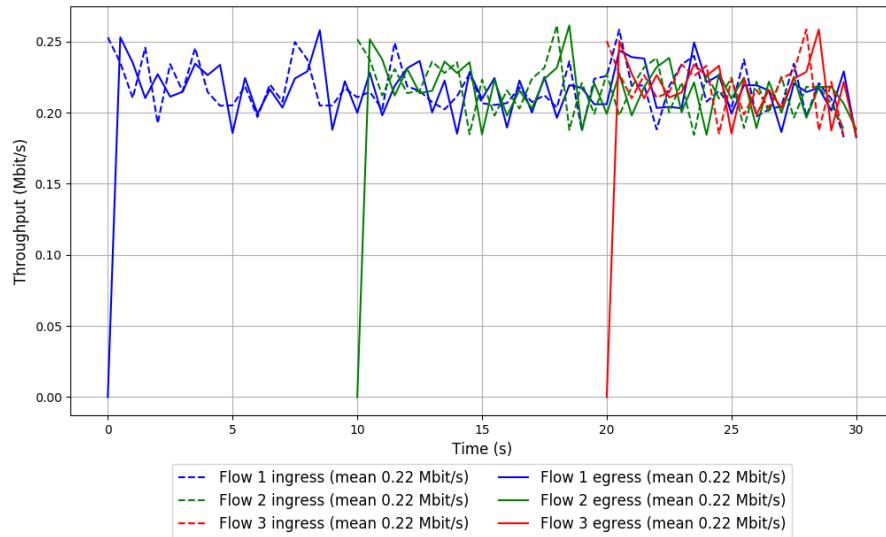


Run 1: Statistics of SCReAM

```
Start at: 2019-09-18 09:11:33
End at: 2019-09-18 09:12:03
Local clock offset: -2.144 ms
Remote clock offset: -0.544 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

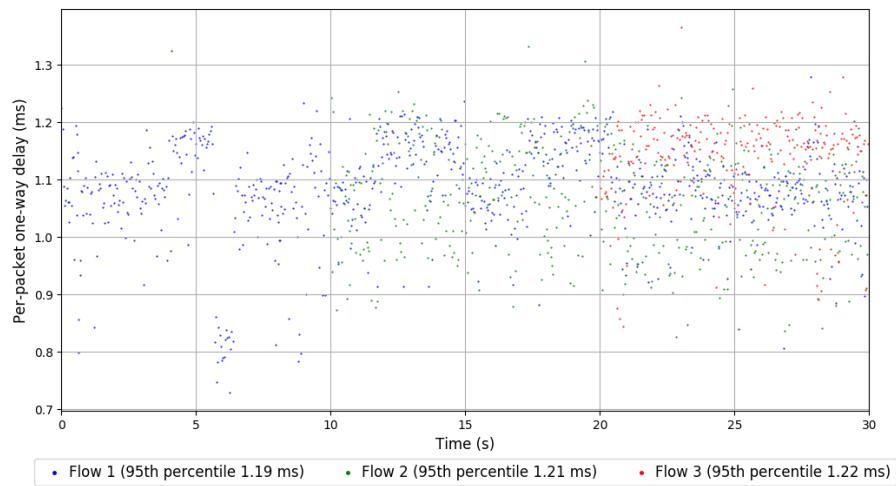
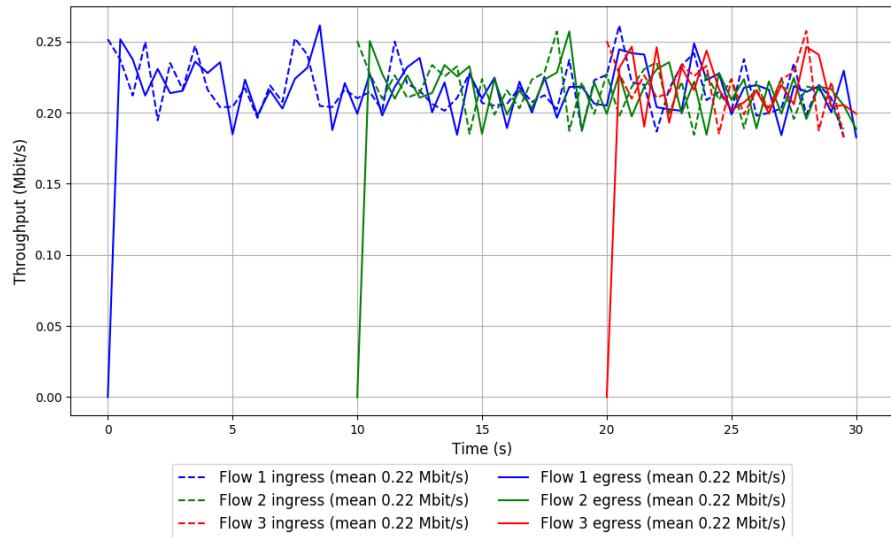


Run 2: Statistics of SCReAM

```
Start at: 2019-09-18 09:46:53
End at: 2019-09-18 09:47:23
Local clock offset: 0.098 ms
Remote clock offset: 4.342 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

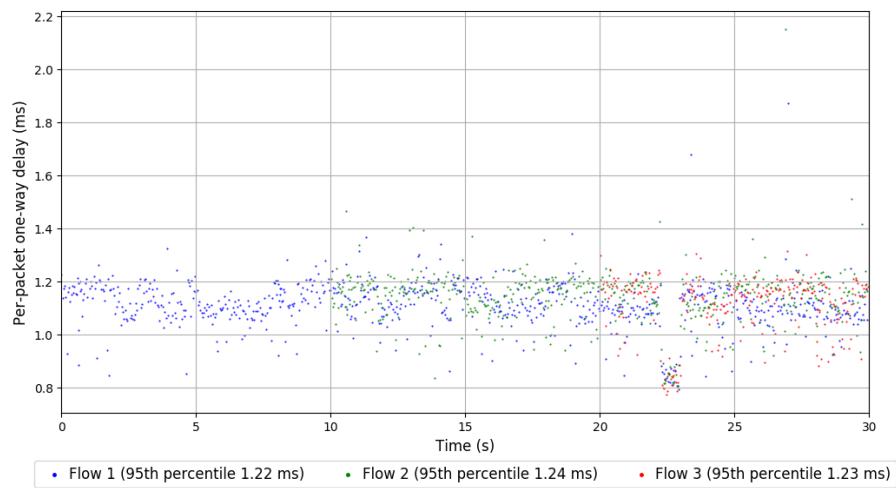
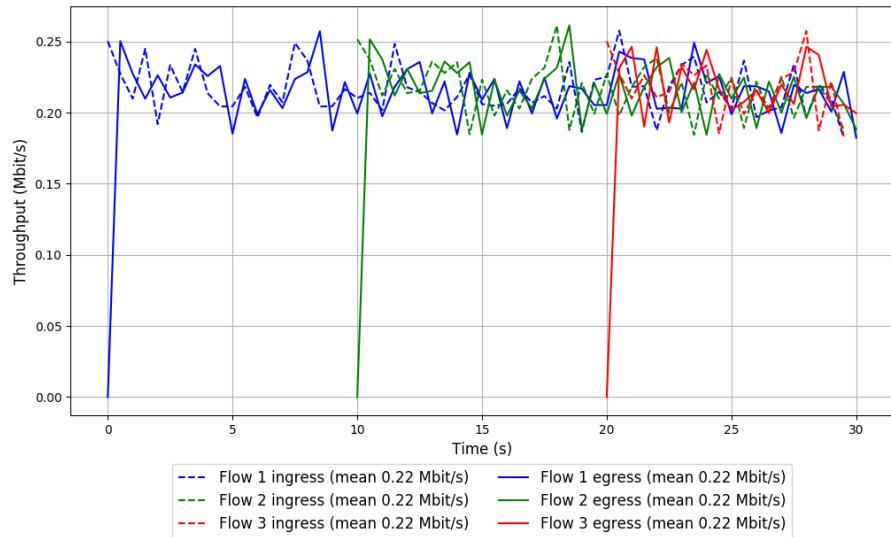


Run 3: Statistics of SCReAM

```
Start at: 2019-09-18 10:22:06
End at: 2019-09-18 10:22:36
Local clock offset: 1.37 ms
Remote clock offset: 4.156 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

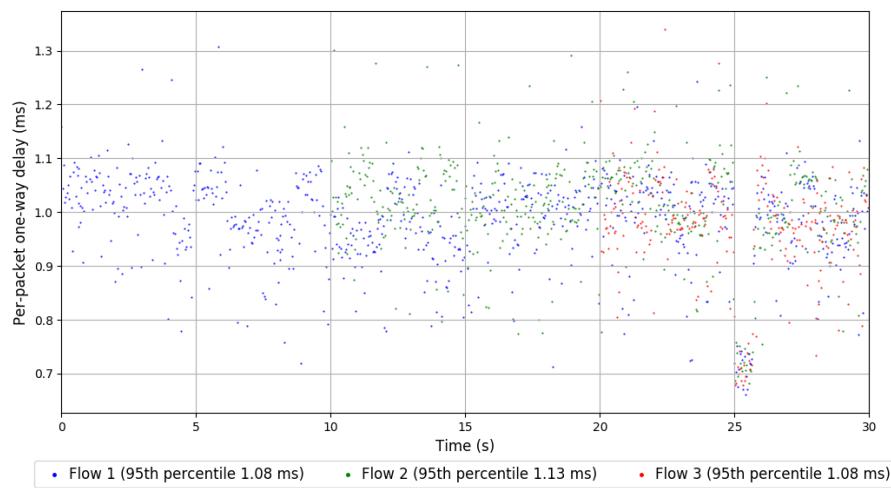
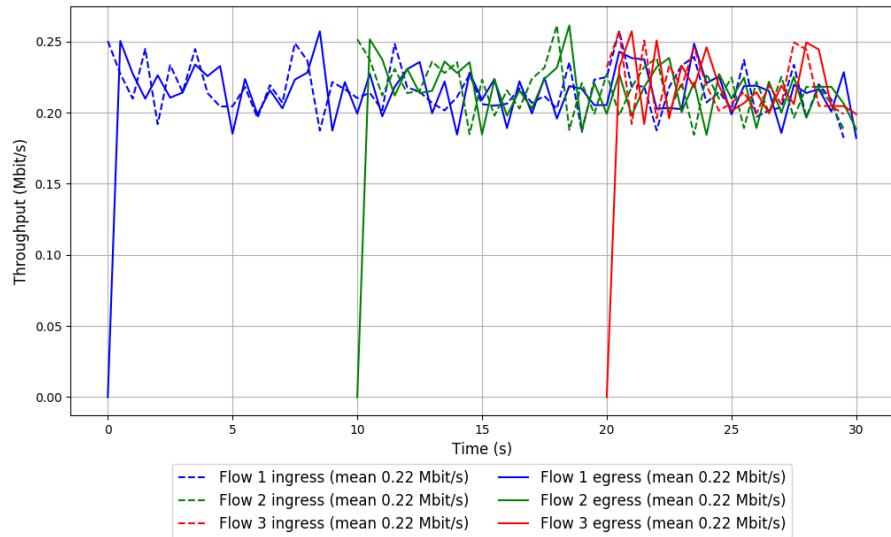


Run 4: Statistics of SCReAM

```
Start at: 2019-09-18 10:57:34
End at: 2019-09-18 10:58:04
Local clock offset: -3.359 ms
Remote clock offset: 3.351 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

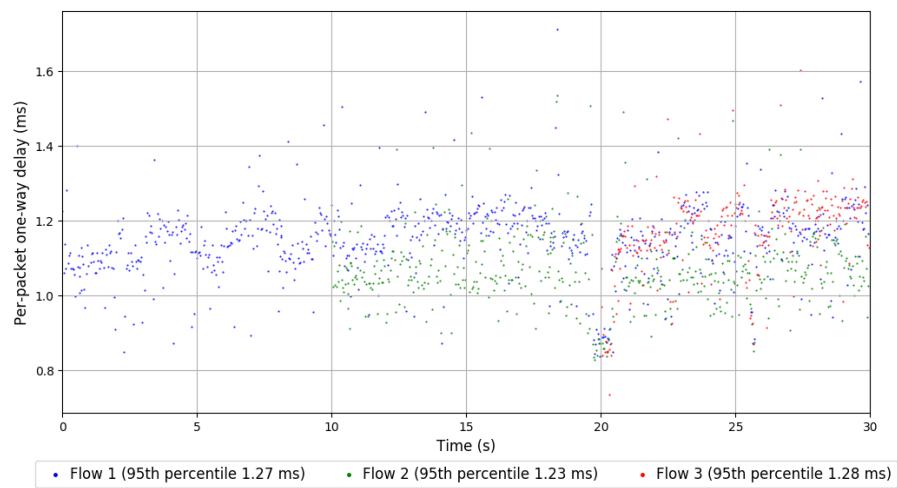
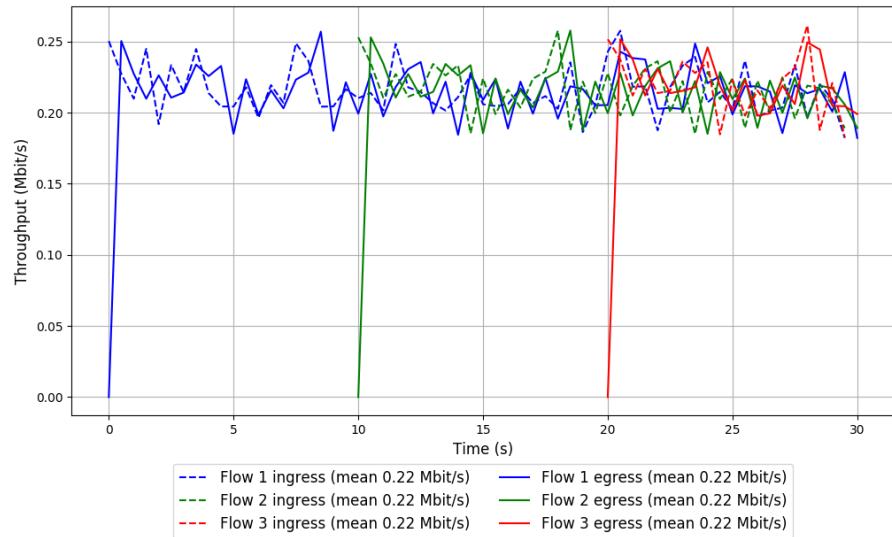


Run 5: Statistics of SCReAM

```
Start at: 2019-09-18 11:32:39
End at: 2019-09-18 11:33:09
Local clock offset: -1.248 ms
Remote clock offset: 2.945 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

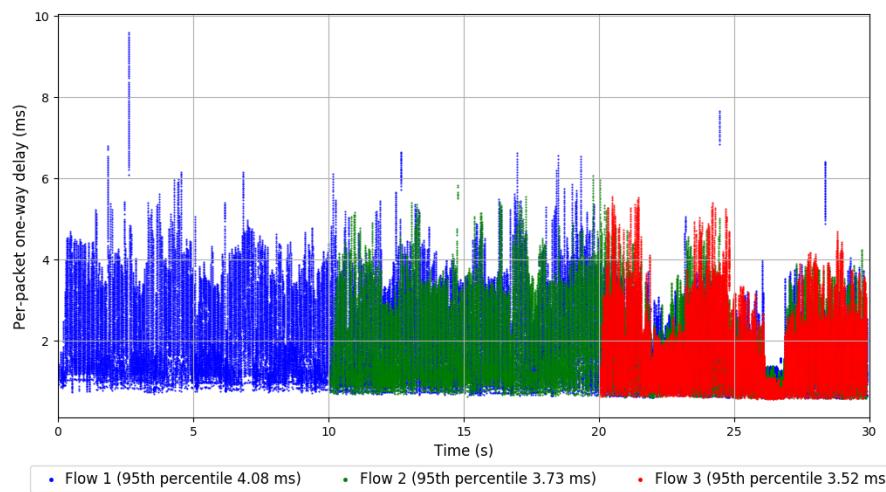
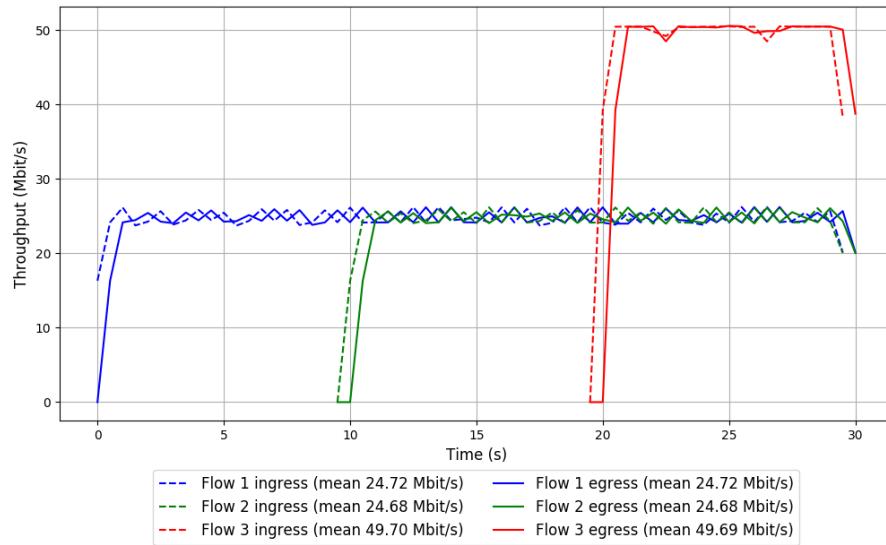


Run 1: Statistics of Sprout

```
Start at: 2019-09-18 09:27:33
End at: 2019-09-18 09:28:03
Local clock offset: -3.156 ms
Remote clock offset: 1.334 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 3.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 4.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 3.729 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 3.517 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

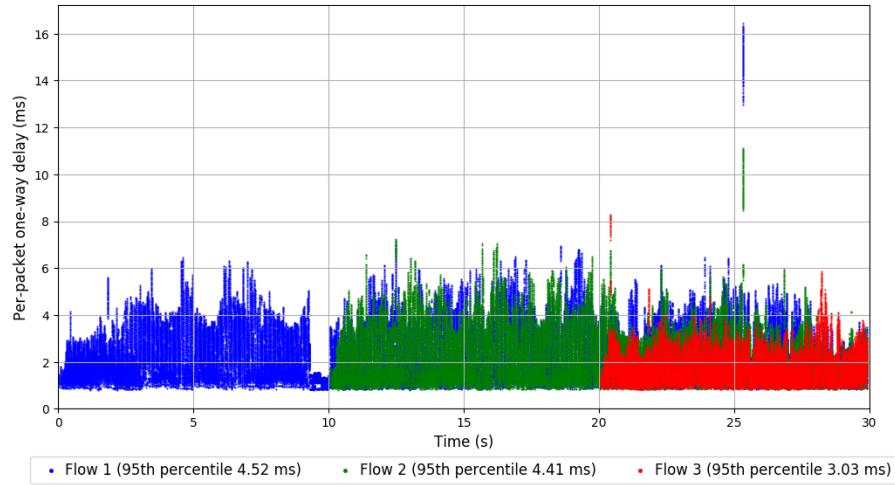
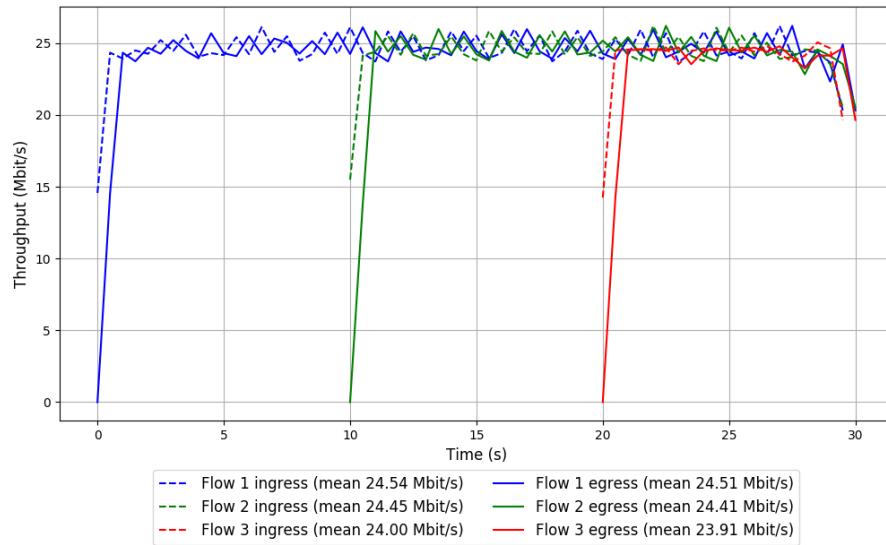


Run 2: Statistics of Sprout

```
Start at: 2019-09-18 10:02:49
End at: 2019-09-18 10:03:19
Local clock offset: 0.92 ms
Remote clock offset: 4.319 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 4.369 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 4.516 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 4.411 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 3.030 ms
Loss rate: 0.35%
```

Run 2: Report of Sprout — Data Link

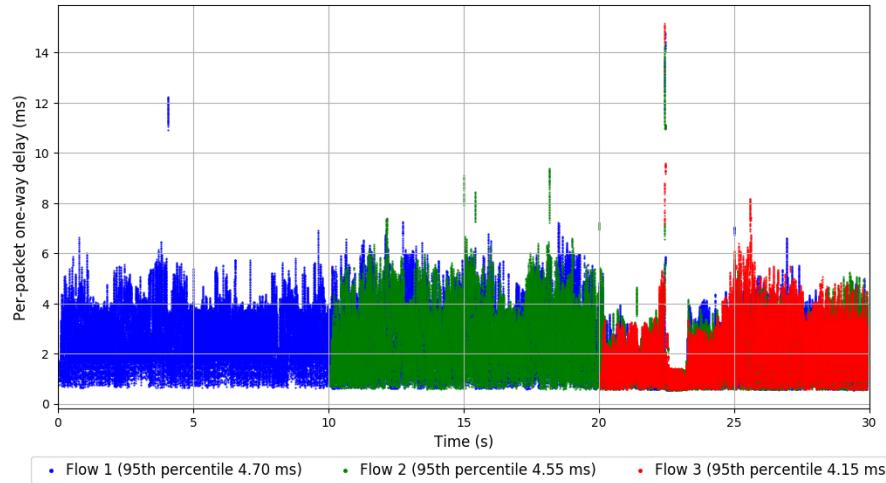
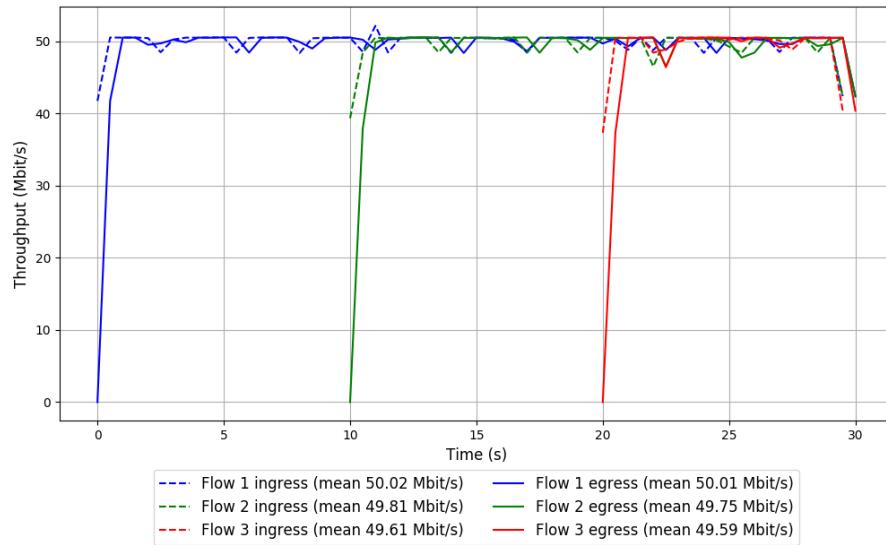


Run 3: Statistics of Sprout

```
Start at: 2019-09-18 10:38:06
End at: 2019-09-18 10:38:36
Local clock offset: -1.08 ms
Remote clock offset: 3.656 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.49 Mbit/s
95th percentile per-packet one-way delay: 4.577 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 4.697 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 4.555 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 4.146 ms
Loss rate: 0.02%
```

Run 3: Report of Sprout — Data Link

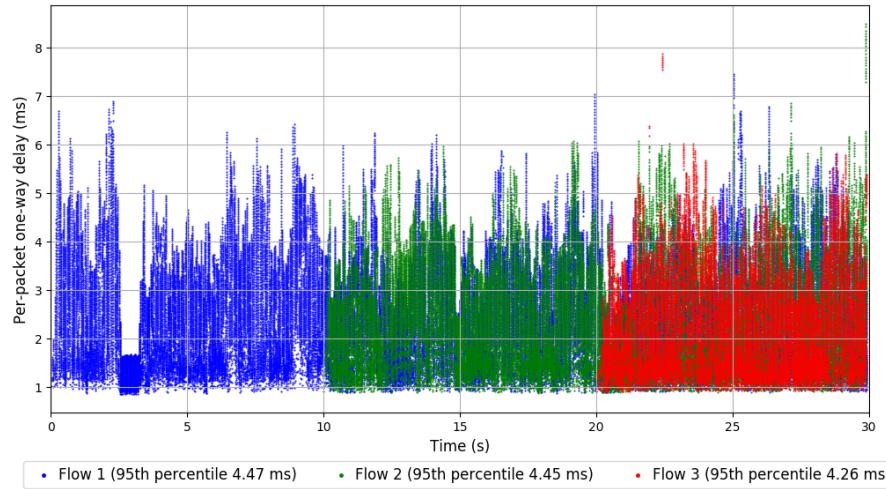
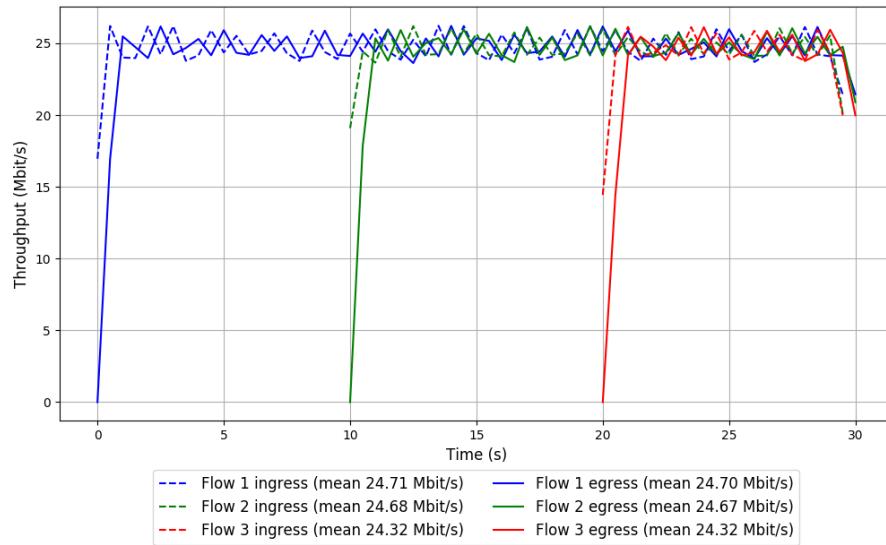


Run 4: Statistics of Sprout

```
Start at: 2019-09-18 11:13:26
End at: 2019-09-18 11:13:56
Local clock offset: -2.021 ms
Remote clock offset: 3.185 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 4.429 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 4.467 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 4.263 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

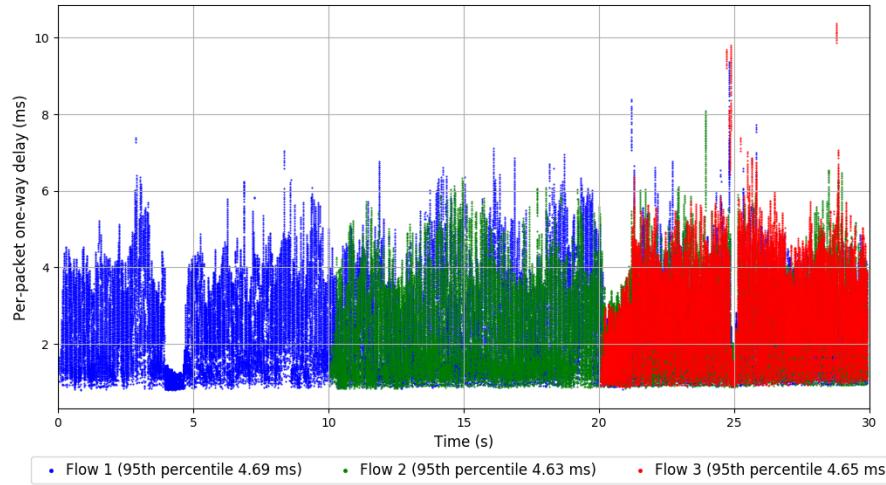
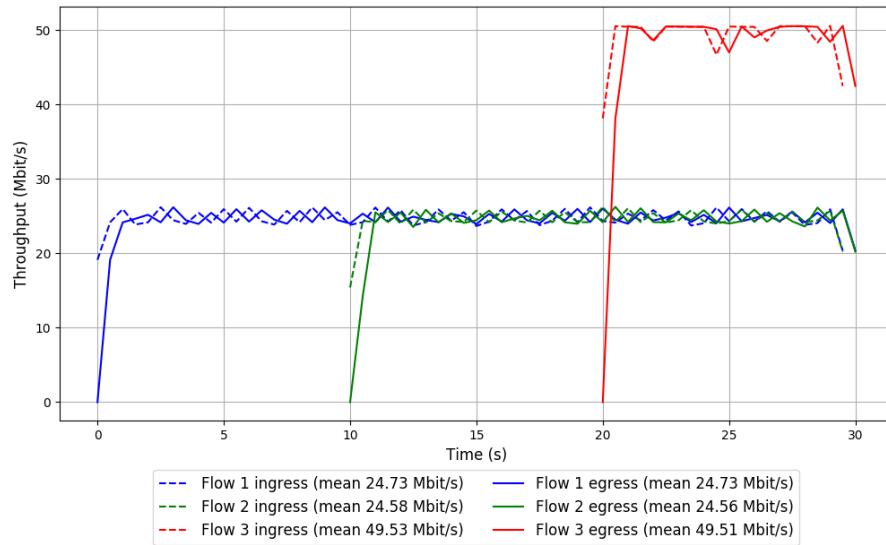


Run 5: Statistics of Sprout

```
Start at: 2019-09-18 11:48:25
End at: 2019-09-18 11:48:55
Local clock offset: 0.351 ms
Remote clock offset: 0.456 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 4.662 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 4.691 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 4.633 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 4.649 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

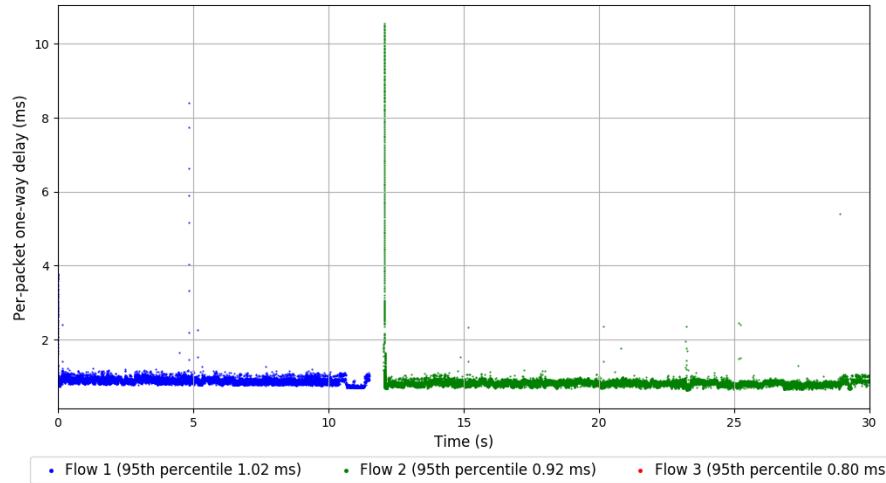
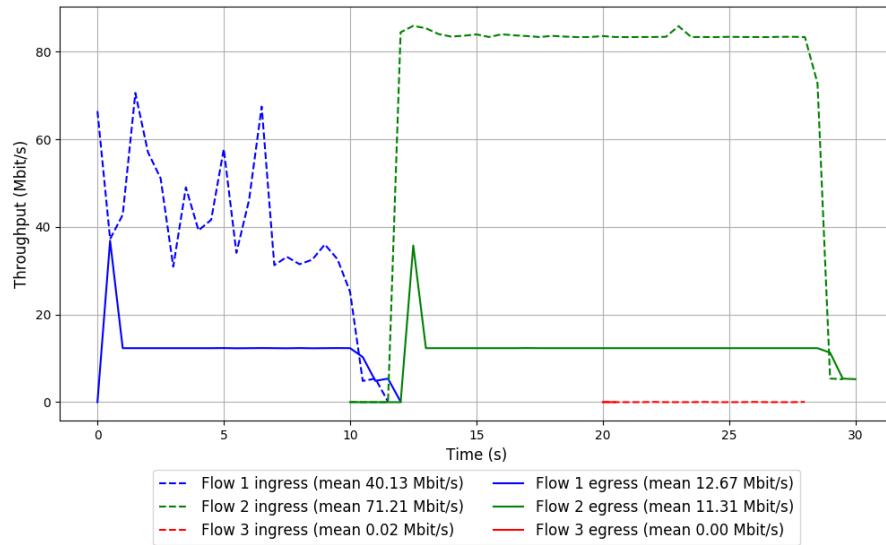


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-09-18 09:28:48
End at: 2019-09-18 09:29:18
Local clock offset: -3.209 ms
Remote clock offset: 1.681 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 80.27%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 68.43%
-- Flow 2:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 84.12%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.801 ms
Loss rate: 99.16%
```

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

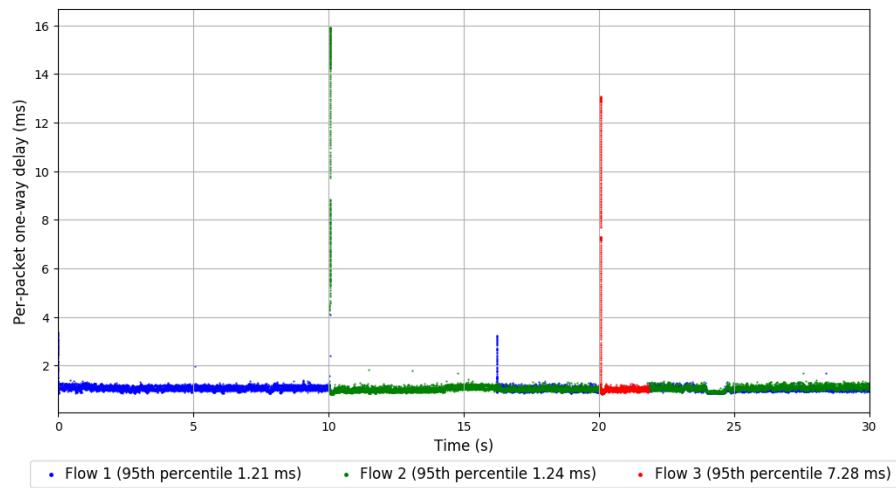
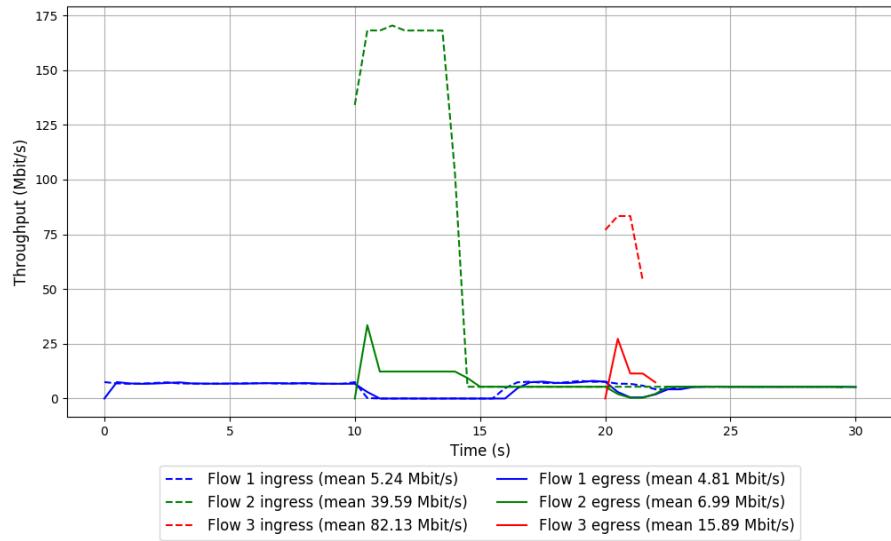


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-09-18 10:04:05
End at: 2019-09-18 10:04:35
Local clock offset: 0.958 ms
Remote clock offset: 4.282 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 71.51%
-- Flow 1:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 8.26%
-- Flow 2:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 82.35%
-- Flow 3:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 7.283 ms
Loss rate: 80.66%
```

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

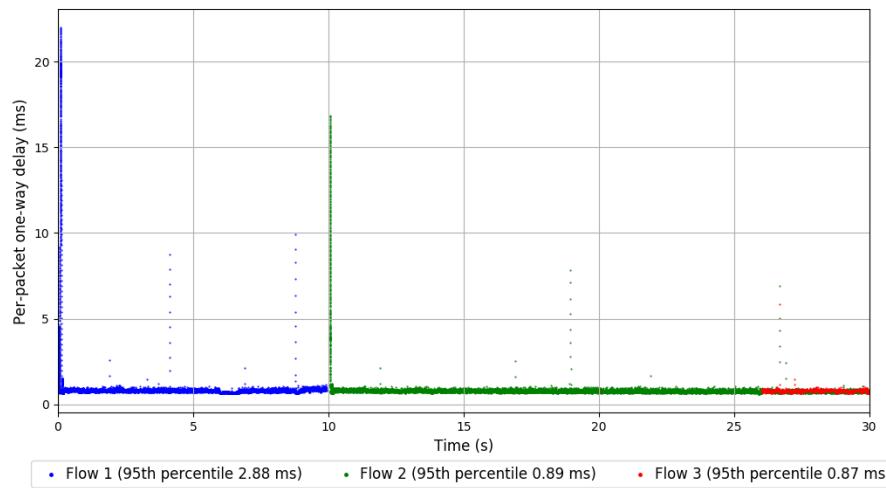
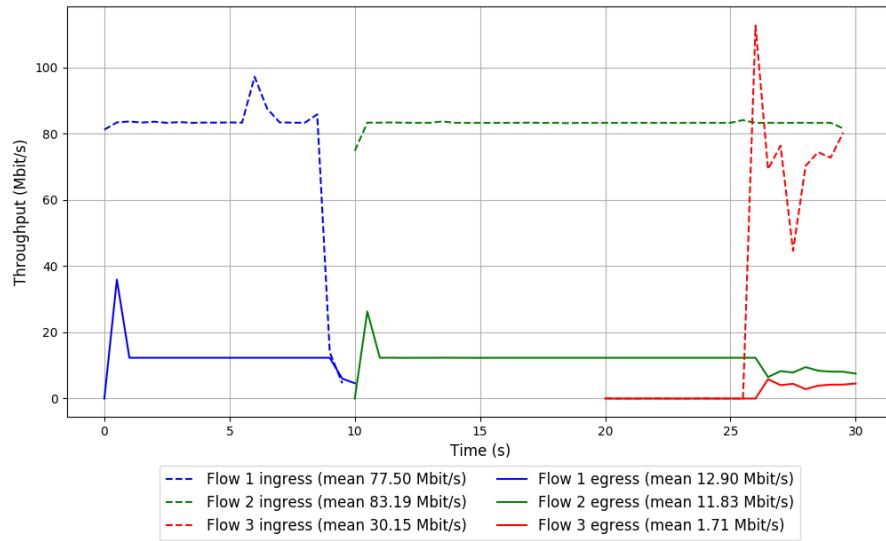


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-09-18 10:39:23
End at: 2019-09-18 10:39:53
Local clock offset: -1.378 ms
Remote clock offset: 3.589 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 86.04%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 2.877 ms
Loss rate: 83.36%
-- Flow 2:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 0.894 ms
Loss rate: 85.78%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 0.871 ms
Loss rate: 94.34%
```

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

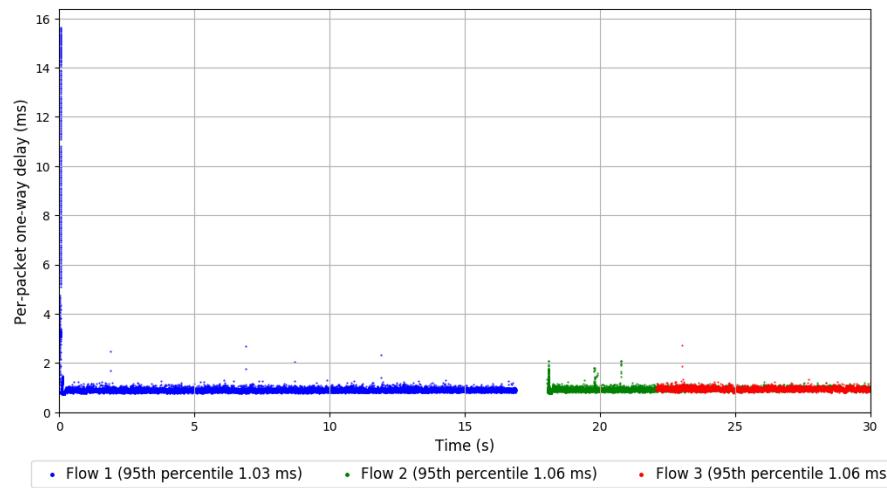
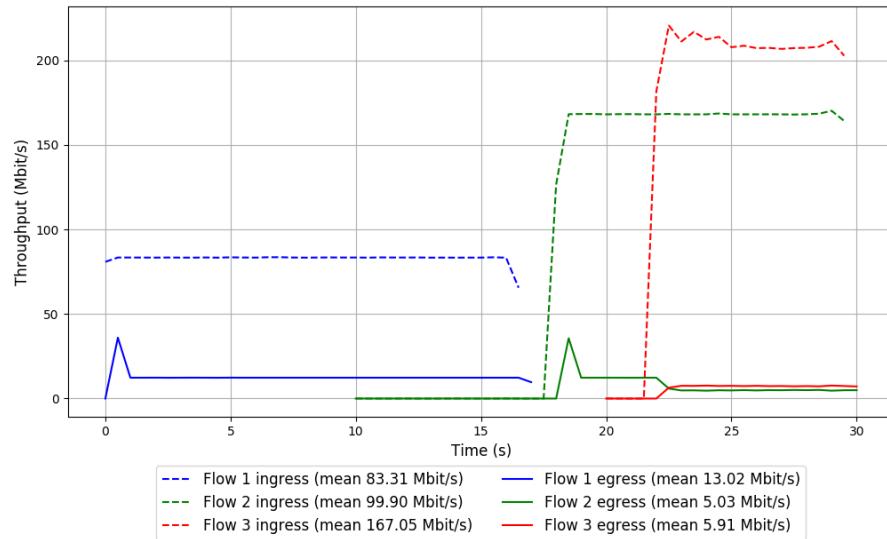


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-09-18 11:14:42
End at: 2019-09-18 11:15:12
Local clock offset: -1.906 ms
Remote clock offset: 3.101 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 92.52%
-- Flow 1:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 1.030 ms
Loss rate: 84.37%
-- Flow 2:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 94.96%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 96.46%
```

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

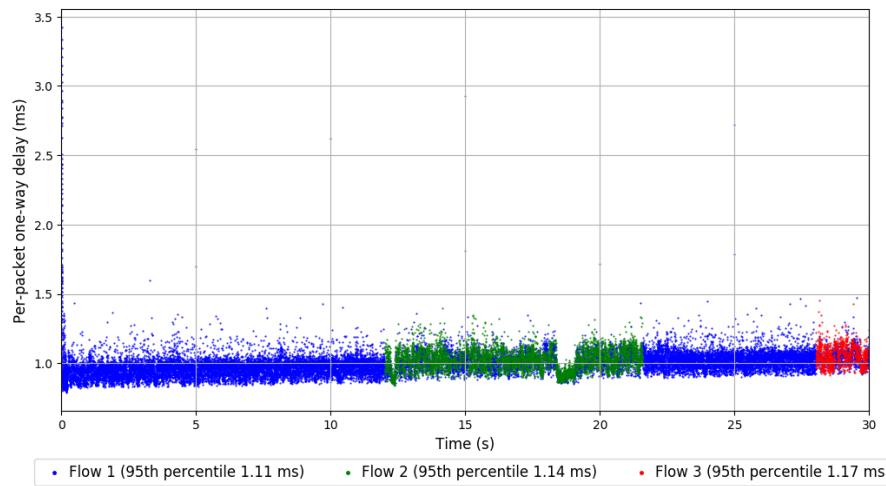
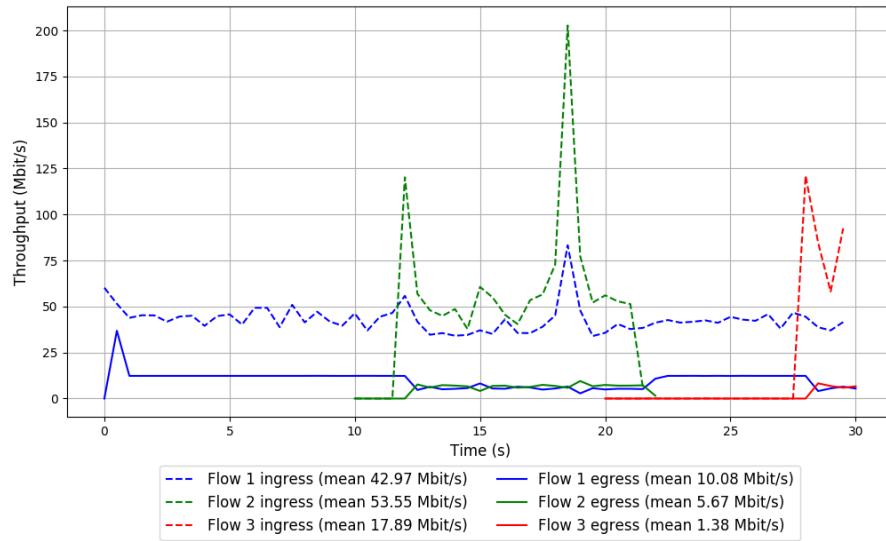


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-09-18 11:49:40
End at: 2019-09-18 11:50:10
Local clock offset: 0.462 ms
Remote clock offset: 0.314 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 81.70%
-- Flow 1:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 76.53%
-- Flow 2:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 89.41%
-- Flow 3:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 92.27%
```

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

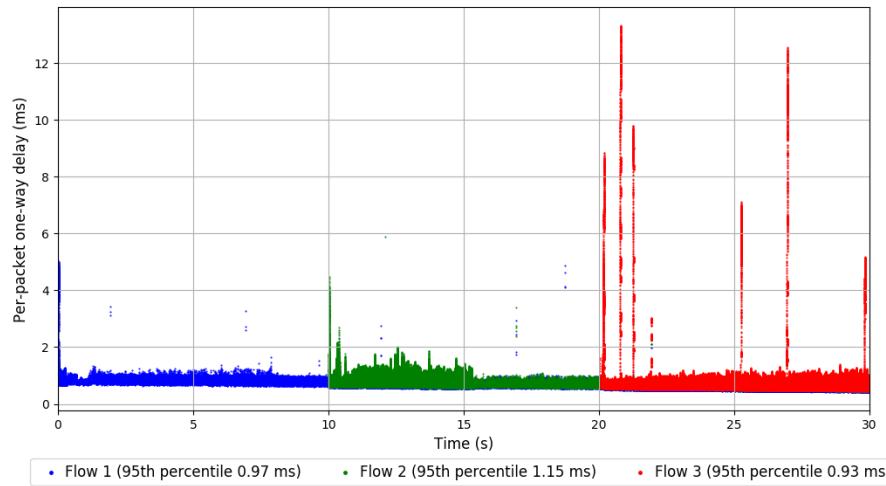
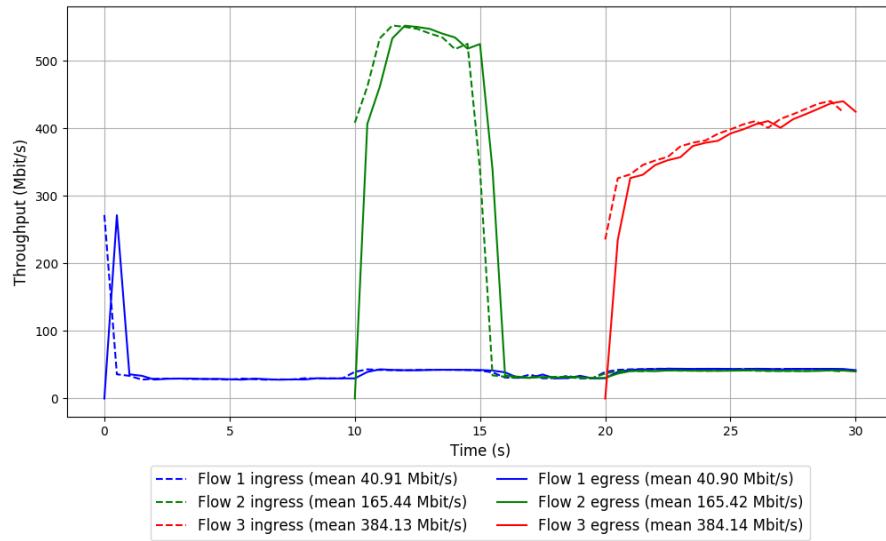


Run 1: Statistics of TCP Vegas

```
Start at: 2019-09-18 09:23:05
End at: 2019-09-18 09:23:35
Local clock offset: -2.971 ms
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2019-09-18 13:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.72 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 165.42 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 384.14 Mbit/s
95th percentile per-packet one-way delay: 0.931 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

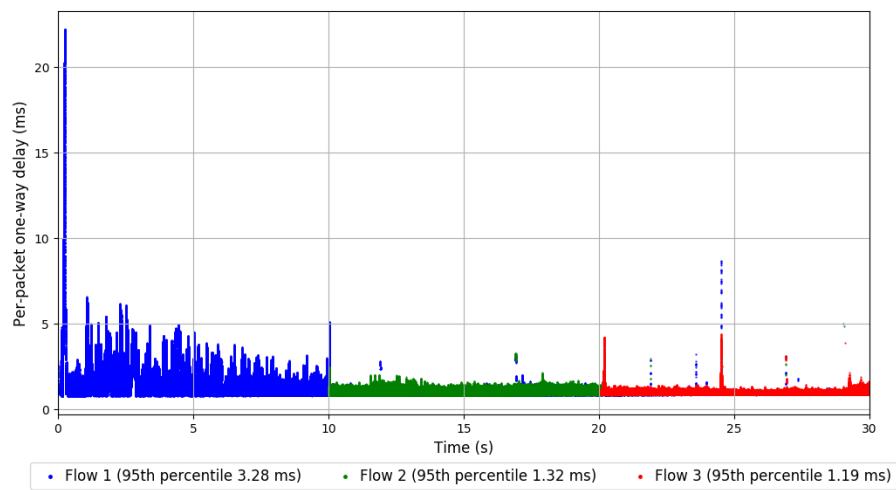
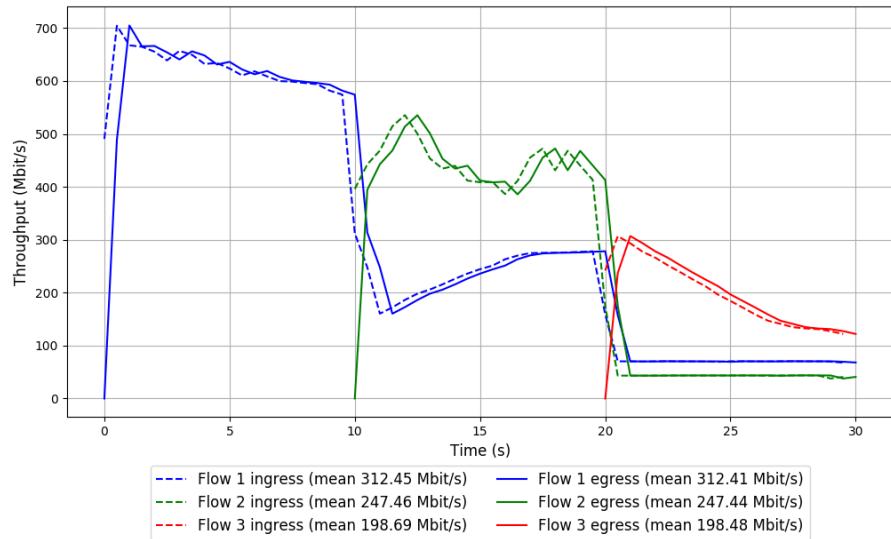


Run 2: Statistics of TCP Vegas

```
Start at: 2019-09-18 09:58:36
End at: 2019-09-18 09:59:06
Local clock offset: 0.814 ms
Remote clock offset: 4.861 ms

# Below is generated by plot.py at 2019-09-18 13:23:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 543.20 Mbit/s
95th percentile per-packet one-way delay: 2.631 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 312.41 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 247.44 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 198.48 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.10%
```

Run 2: Report of TCP Vegas — Data Link

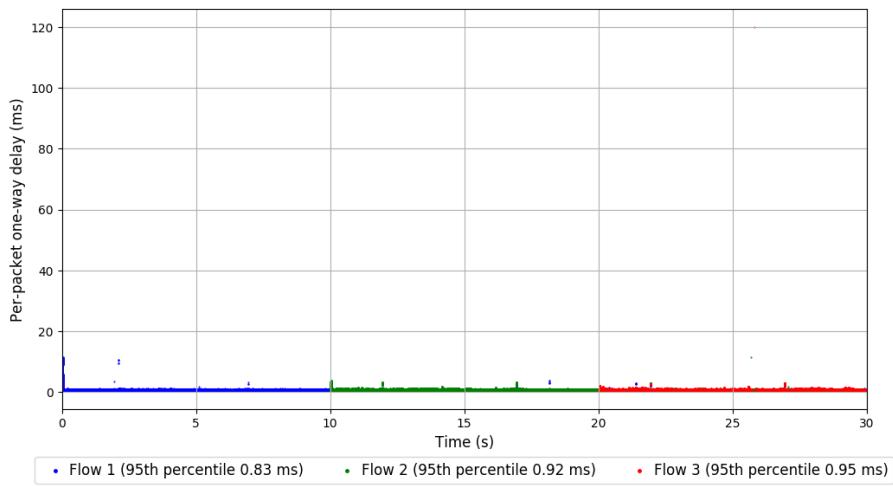
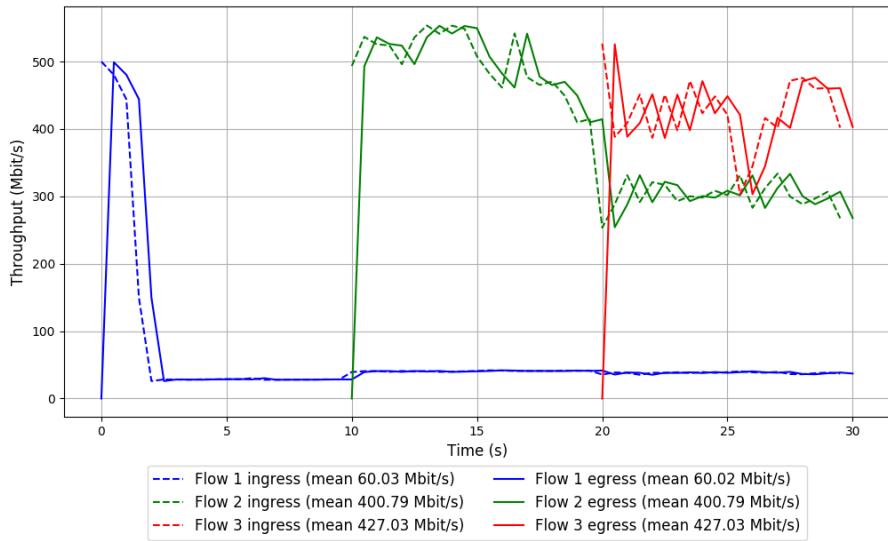


Run 3: Statistics of TCP Vegas

```
Start at: 2019-09-18 10:33:41
End at: 2019-09-18 10:34:11
Local clock offset: 0.29 ms
Remote clock offset: 4.003 ms

# Below is generated by plot.py at 2019-09-18 13:23:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.91 Mbit/s
95th percentile per-packet one-way delay: 0.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 0.834 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 400.79 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 427.03 Mbit/s
95th percentile per-packet one-way delay: 0.946 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

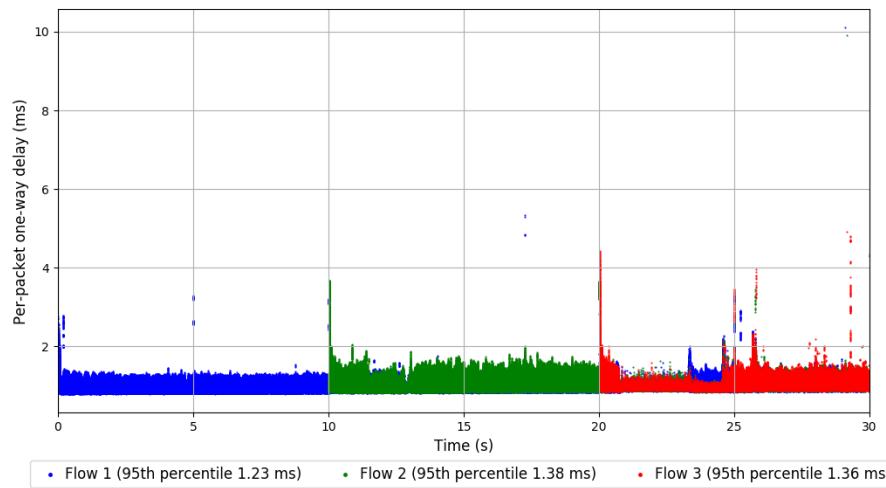
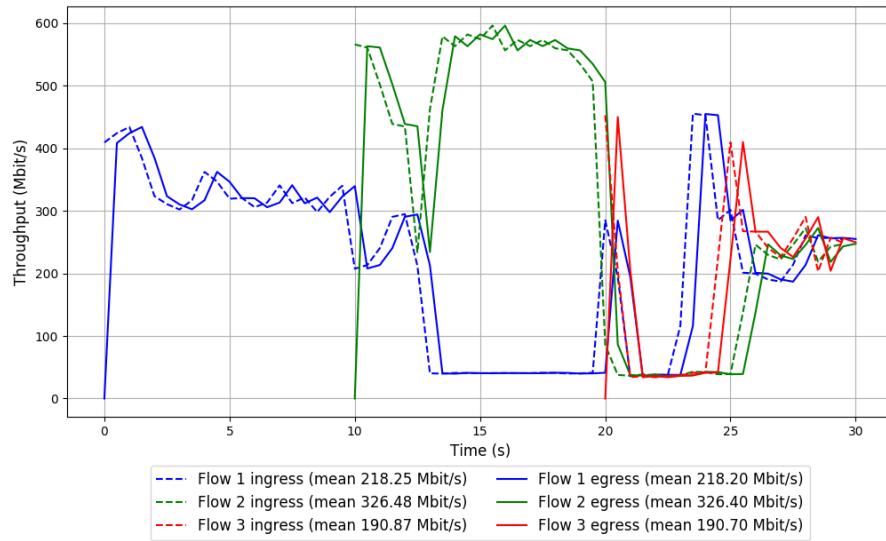


Run 4: Statistics of TCP Vegas

```
Start at: 2019-09-18 11:09:05
End at: 2019-09-18 11:09:35
Local clock offset: -2.27 ms
Remote clock offset: 3.291 ms

# Below is generated by plot.py at 2019-09-18 13:23:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 499.03 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 218.20 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 326.40 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 190.70 Mbit/s
95th percentile per-packet one-way delay: 1.363 ms
Loss rate: 0.09%
```

Run 4: Report of TCP Vegas — Data Link

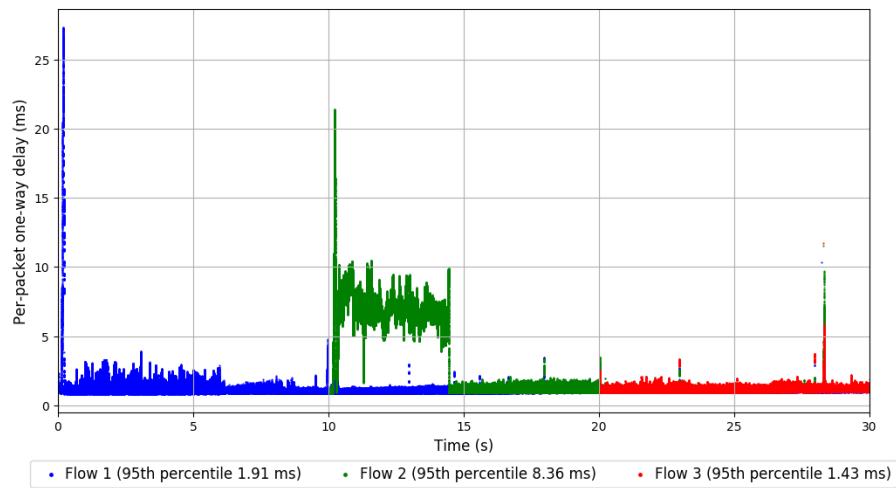
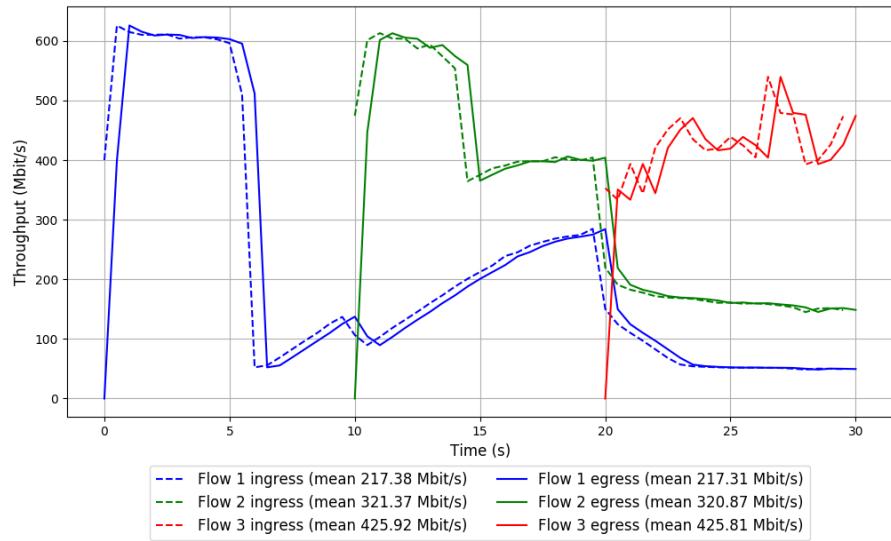


Run 5: Statistics of TCP Vegas

```
Start at: 2019-09-18 11:44:07
End at: 2019-09-18 11:44:37
Local clock offset: 0.102 ms
Remote clock offset: 1.433 ms

# Below is generated by plot.py at 2019-09-18 13:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 572.67 Mbit/s
95th percentile per-packet one-way delay: 7.375 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 217.31 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 320.87 Mbit/s
95th percentile per-packet one-way delay: 8.358 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 425.81 Mbit/s
95th percentile per-packet one-way delay: 1.425 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

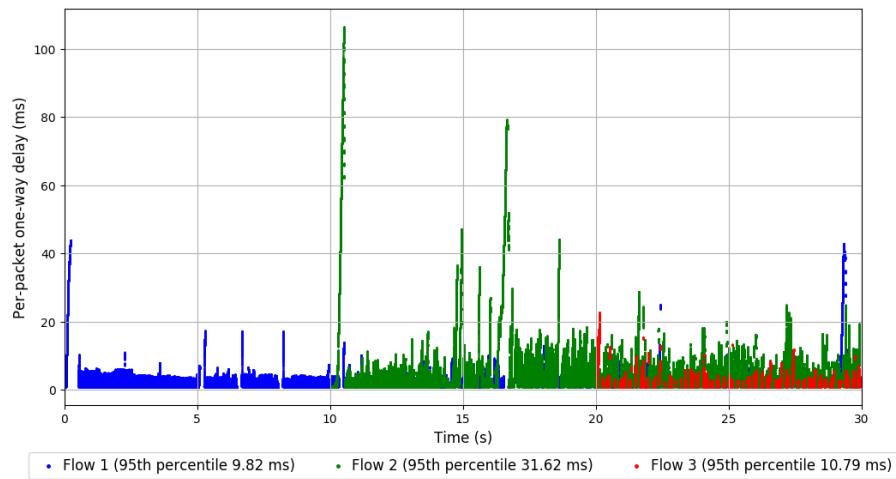
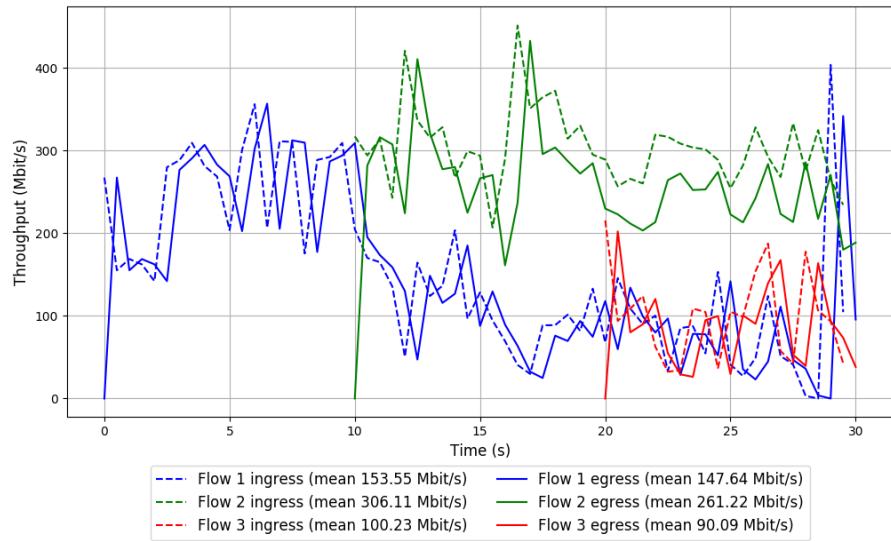


Run 1: Statistics of Verus

```
Start at: 2019-09-18 09:37:18
End at: 2019-09-18 09:37:48
Local clock offset: -1.253 ms
Remote clock offset: 3.249 ms

# Below is generated by plot.py at 2019-09-18 13:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.37 Mbit/s
95th percentile per-packet one-way delay: 21.831 ms
Loss rate: 10.00%
-- Flow 1:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 9.820 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 261.22 Mbit/s
95th percentile per-packet one-way delay: 31.622 ms
Loss rate: 14.61%
-- Flow 3:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 10.795 ms
Loss rate: 10.10%
```

Run 1: Report of Verus — Data Link

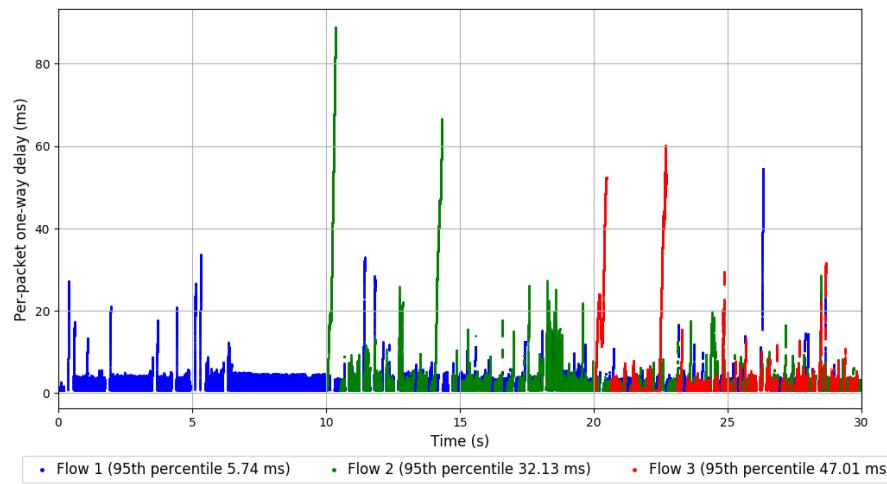
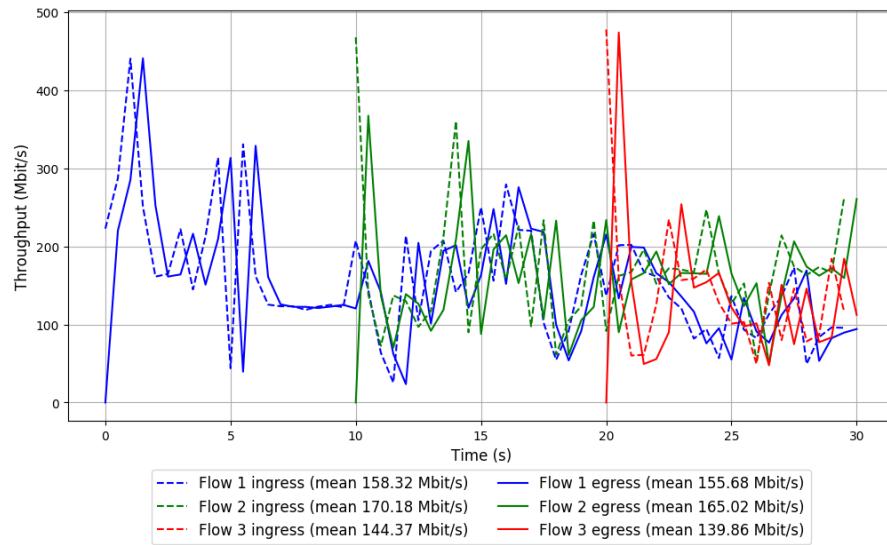


Run 2: Statistics of Verus

```
Start at: 2019-09-18 10:13:01
End at: 2019-09-18 10:13:31
Local clock offset: 1.156 ms
Remote clock offset: 3.997 ms

# Below is generated by plot.py at 2019-09-18 13:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.71 Mbit/s
95th percentile per-packet one-way delay: 21.148 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 155.68 Mbit/s
95th percentile per-packet one-way delay: 5.740 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 165.02 Mbit/s
95th percentile per-packet one-way delay: 32.131 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 139.86 Mbit/s
95th percentile per-packet one-way delay: 47.012 ms
Loss rate: 3.10%
```

Run 2: Report of Verus — Data Link

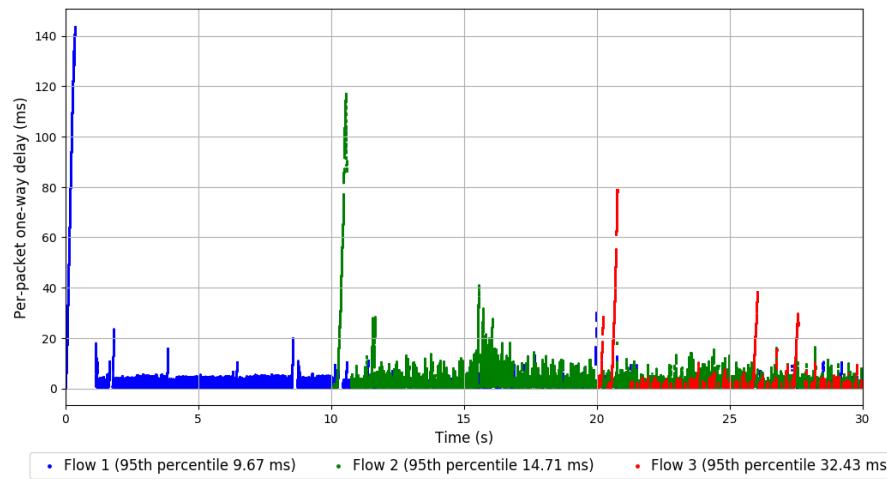
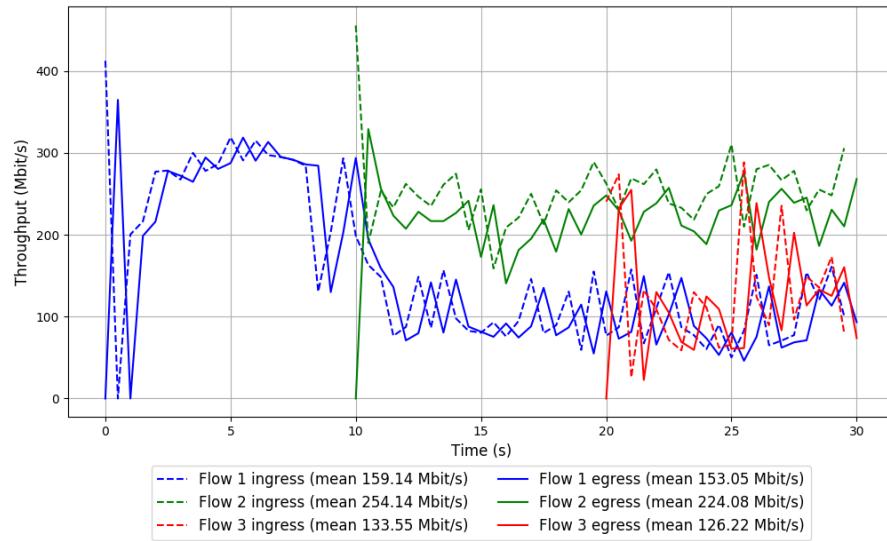


Run 3: Statistics of Verus

```
Start at: 2019-09-18 10:48:14
End at: 2019-09-18 10:48:44
Local clock offset: -2.631 ms
Remote clock offset: 3.347 ms

# Below is generated by plot.py at 2019-09-18 13:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.31 Mbit/s
95th percentile per-packet one-way delay: 19.398 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 153.05 Mbit/s
95th percentile per-packet one-way delay: 9.670 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 224.08 Mbit/s
95th percentile per-packet one-way delay: 14.710 ms
Loss rate: 11.82%
-- Flow 3:
Average throughput: 126.22 Mbit/s
95th percentile per-packet one-way delay: 32.432 ms
Loss rate: 5.46%
```

Run 3: Report of Verus — Data Link

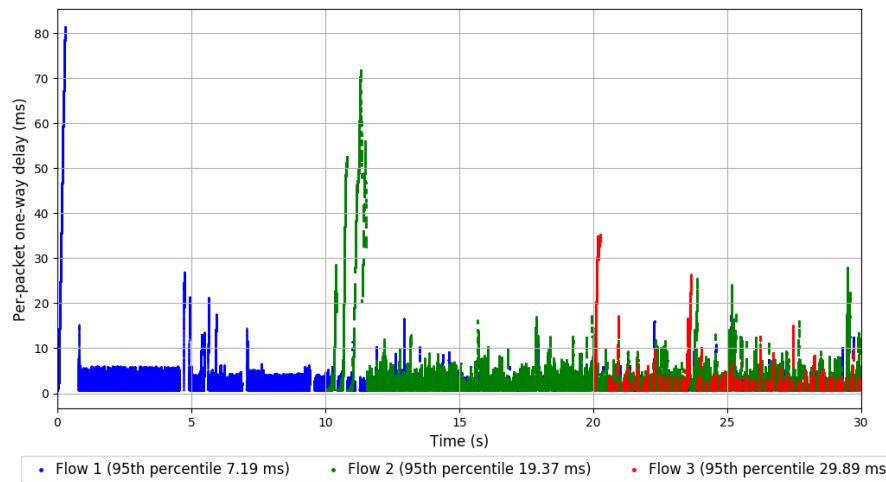
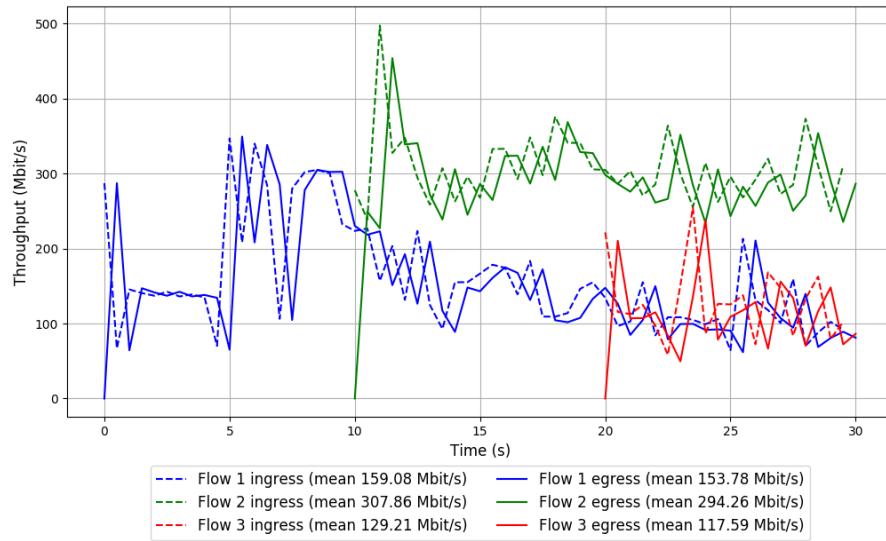


Run 4: Statistics of Verus

```
Start at: 2019-09-18 11:23:20
End at: 2019-09-18 11:23:50
Local clock offset: -1.711 ms
Remote clock offset: 2.976 ms

# Below is generated by plot.py at 2019-09-18 13:26:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.17 Mbit/s
95th percentile per-packet one-way delay: 14.860 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 153.78 Mbit/s
95th percentile per-packet one-way delay: 7.189 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 294.26 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 117.59 Mbit/s
95th percentile per-packet one-way delay: 29.893 ms
Loss rate: 9.00%
```

Run 4: Report of Verus — Data Link

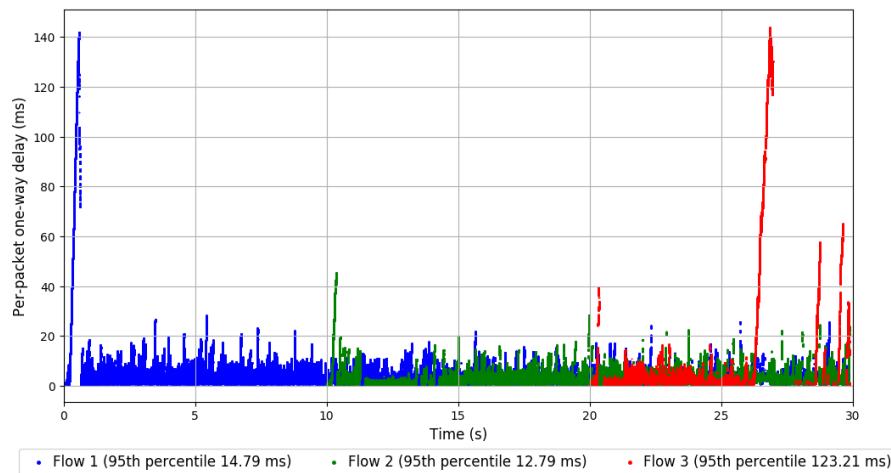
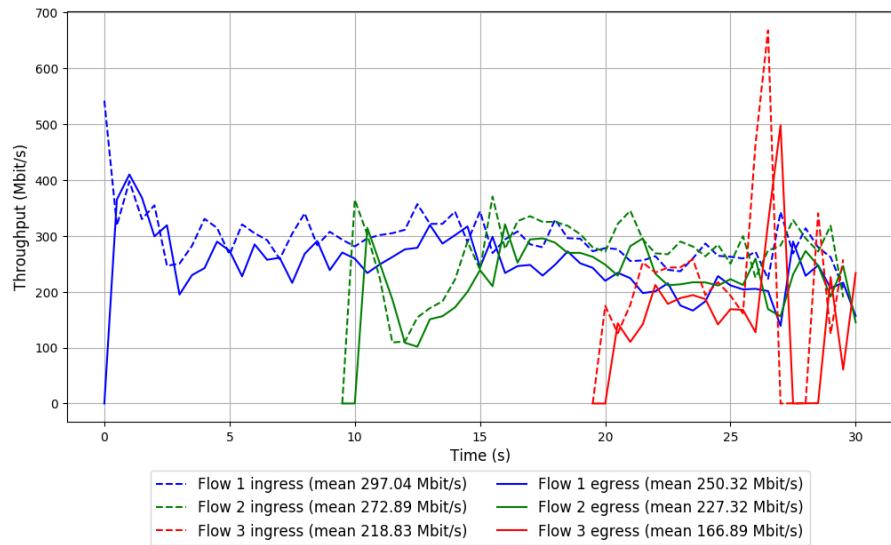


Run 5: Statistics of Verus

```
Start at: 2019-09-18 11:58:13
End at: 2019-09-18 11:58:43
Local clock offset: 0.763 ms
Remote clock offset: -0.857 ms

# Below is generated by plot.py at 2019-09-18 13:27:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.67 Mbit/s
95th percentile per-packet one-way delay: 27.582 ms
Loss rate: 17.07%
-- Flow 1:
Average throughput: 250.32 Mbit/s
95th percentile per-packet one-way delay: 14.786 ms
Loss rate: 15.72%
-- Flow 2:
Average throughput: 227.32 Mbit/s
95th percentile per-packet one-way delay: 12.785 ms
Loss rate: 16.60%
-- Flow 3:
Average throughput: 166.89 Mbit/s
95th percentile per-packet one-way delay: 123.206 ms
Loss rate: 23.73%
```

Run 5: Report of Verus — Data Link

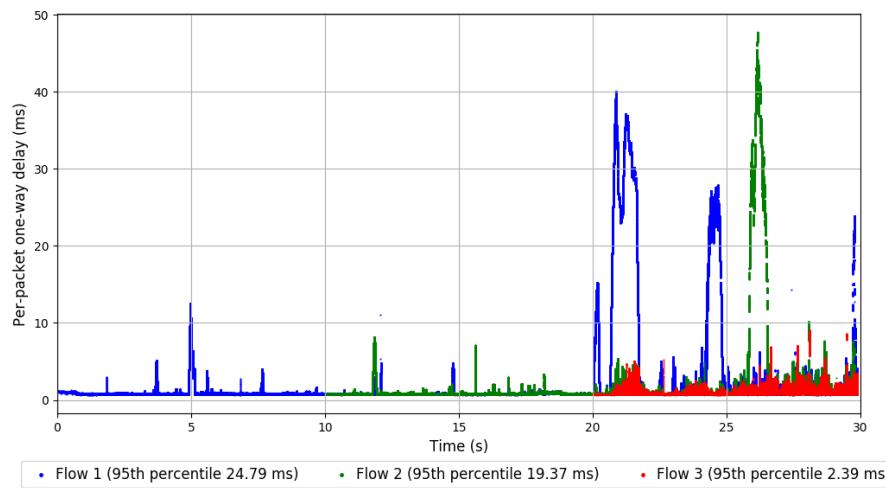
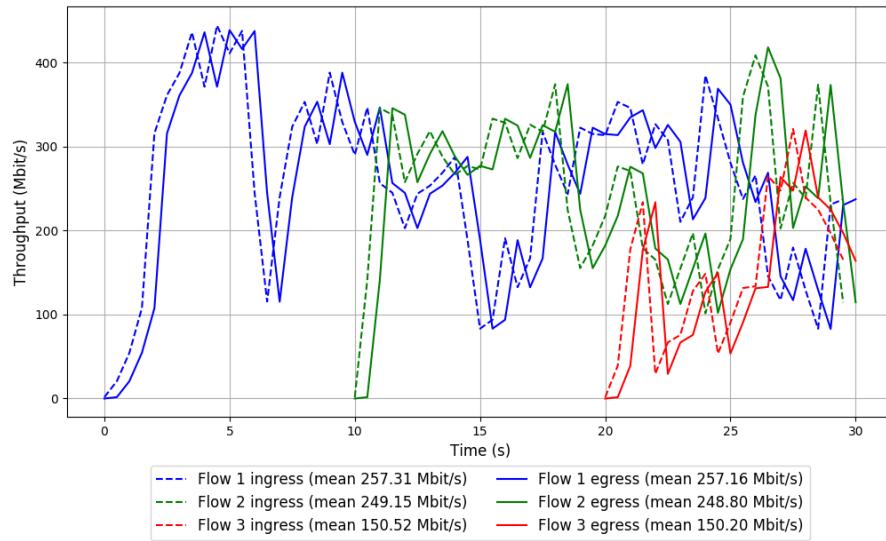


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-09-18 09:20:14
End at: 2019-09-18 09:20:44
Local clock offset: -2.829 ms
Remote clock offset: -0.511 ms

# Below is generated by plot.py at 2019-09-18 13:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.25 Mbit/s
95th percentile per-packet one-way delay: 22.022 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 257.16 Mbit/s
95th percentile per-packet one-way delay: 24.788 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 248.80 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 150.20 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.21%
```

Run 1: Report of PCC-Vivace — Data Link

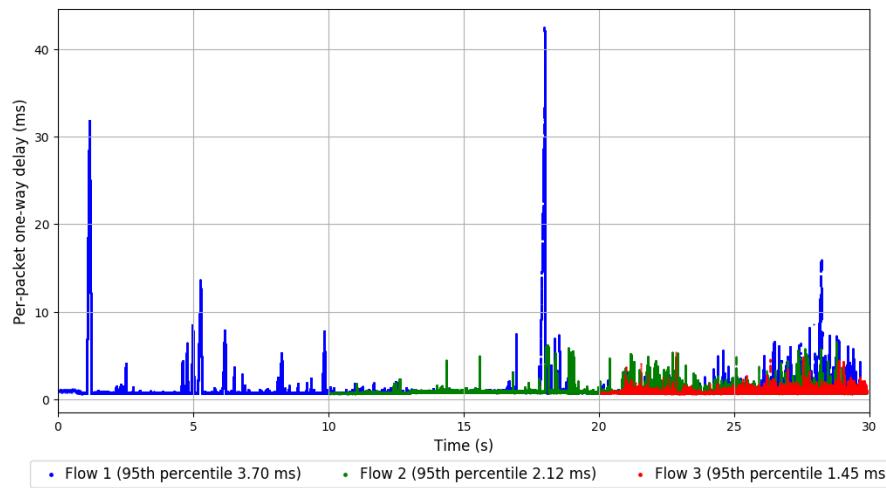
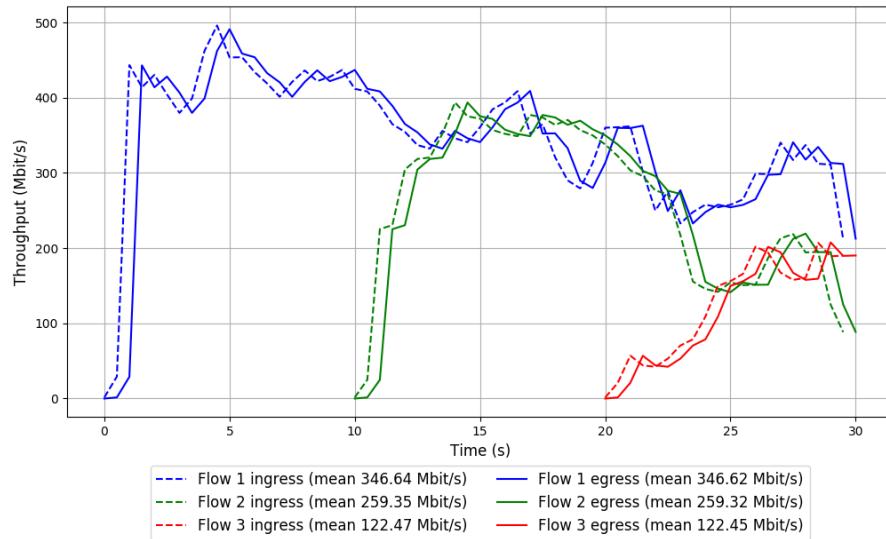


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-09-18 09:55:41
End at: 2019-09-18 09:56:11
Local clock offset: 0.684 ms
Remote clock offset: 5.11 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.50 Mbit/s
95th percentile per-packet one-way delay: 2.809 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 346.62 Mbit/s
95th percentile per-packet one-way delay: 3.700 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 259.32 Mbit/s
95th percentile per-packet one-way delay: 2.123 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 122.45 Mbit/s
95th percentile per-packet one-way delay: 1.450 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

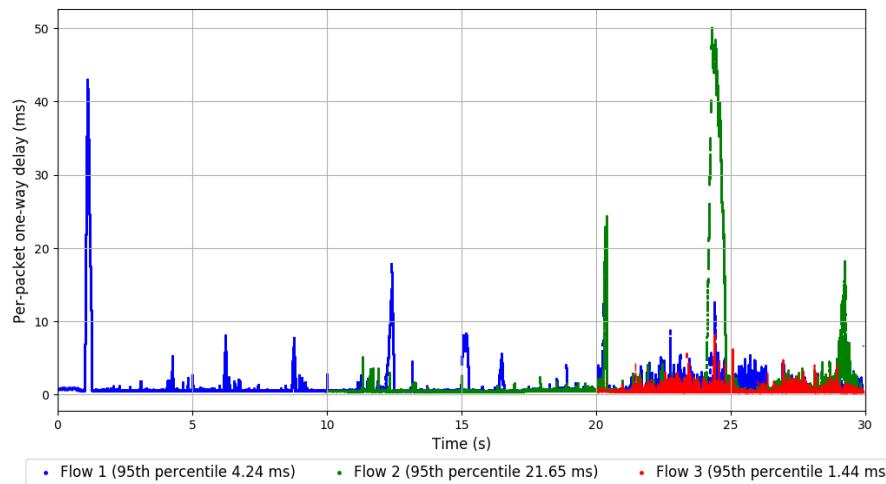
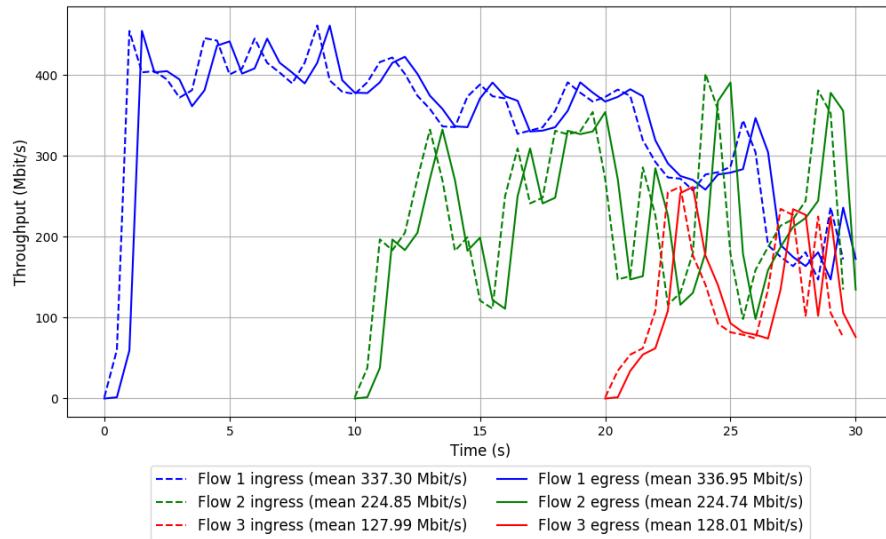


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-09-18 10:30:47
End at: 2019-09-18 10:31:17
Local clock offset: 1.624 ms
Remote clock offset: 4.474 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.59 Mbit/s
95th percentile per-packet one-way delay: 5.507 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 336.95 Mbit/s
95th percentile per-packet one-way delay: 4.236 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 224.74 Mbit/s
95th percentile per-packet one-way delay: 21.653 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 128.01 Mbit/s
95th percentile per-packet one-way delay: 1.440 ms
Loss rate: 0.04%
```

Run 3: Report of PCC-Vivace — Data Link

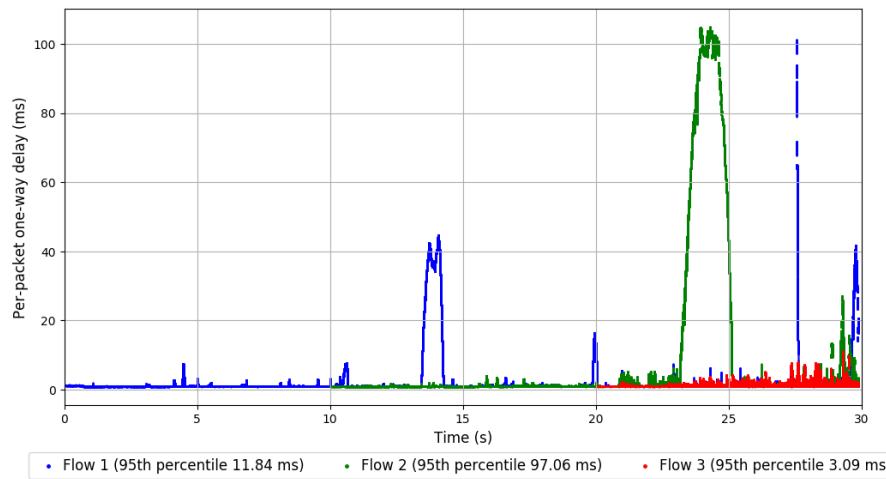
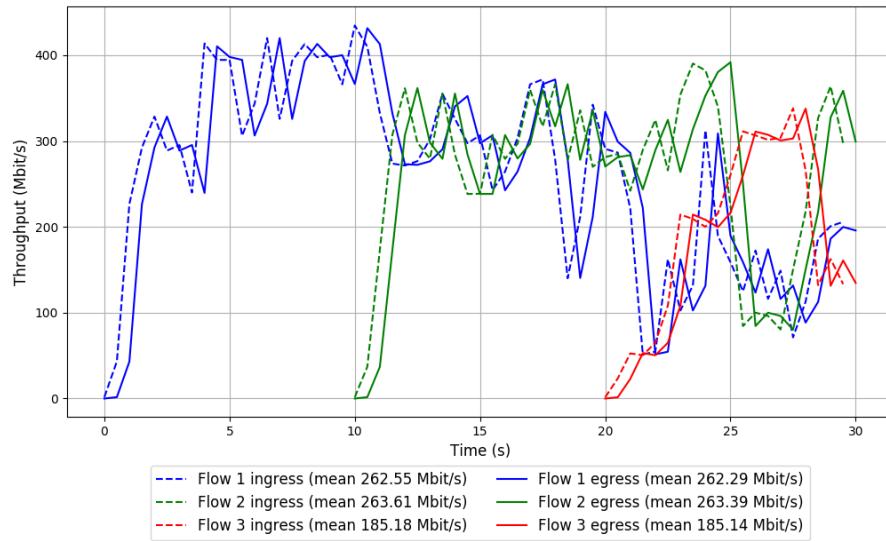


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-09-18 11:06:13
End at: 2019-09-18 11:06:43
Local clock offset: -2.545 ms
Remote clock offset: 3.407 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 498.59 Mbit/s
95th percentile per-packet one-way delay: 36.836 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 262.29 Mbit/s
95th percentile per-packet one-way delay: 11.844 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 263.39 Mbit/s
95th percentile per-packet one-way delay: 97.060 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 185.14 Mbit/s
95th percentile per-packet one-way delay: 3.087 ms
Loss rate: 0.08%
```

Run 4: Report of PCC-Vivace — Data Link

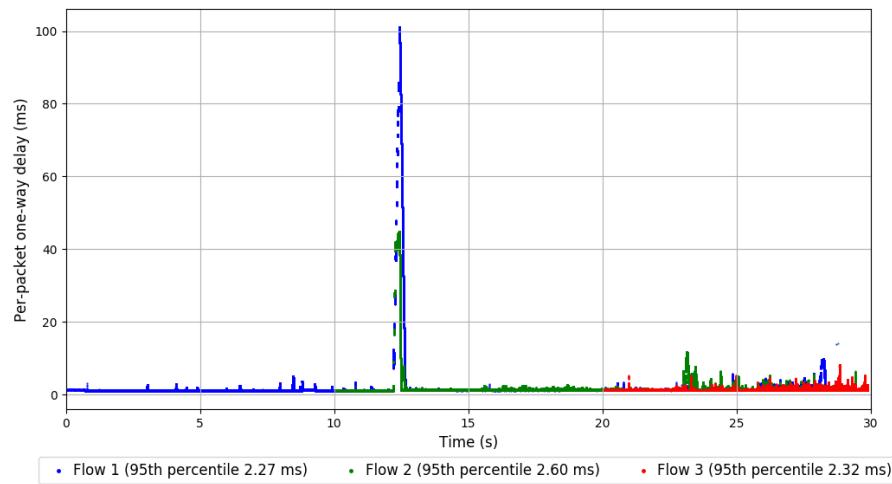
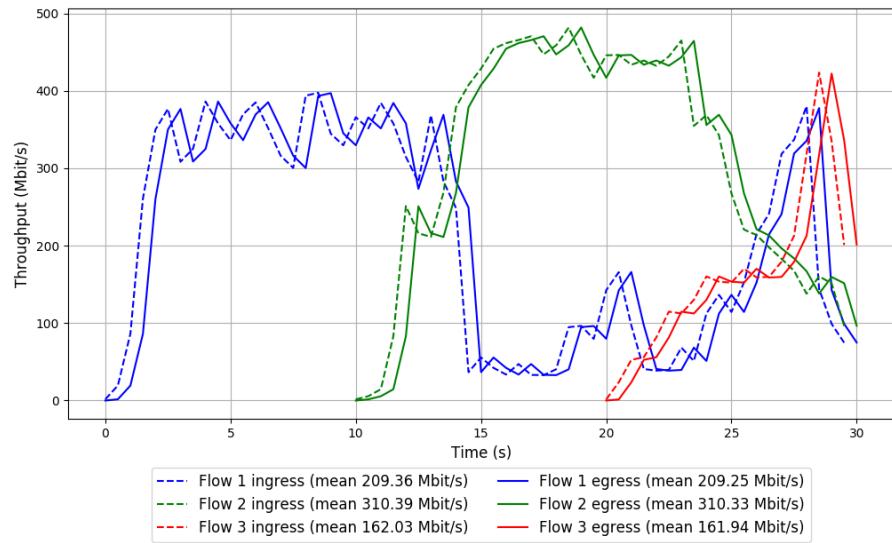


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-09-18 11:41:16
End at: 2019-09-18 11:41:46
Local clock offset: -0.134 ms
Remote clock offset: 2.344 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.08 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 209.25 Mbit/s
95th percentile per-packet one-way delay: 2.272 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 310.33 Mbit/s
95th percentile per-packet one-way delay: 2.603 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 161.94 Mbit/s
95th percentile per-packet one-way delay: 2.320 ms
Loss rate: 0.05%
```

Run 5: Report of PCC-Vivace — Data Link

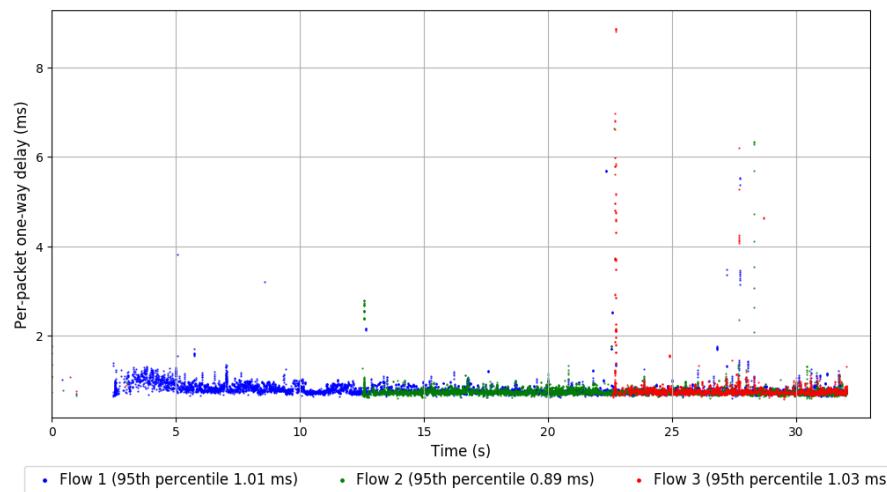
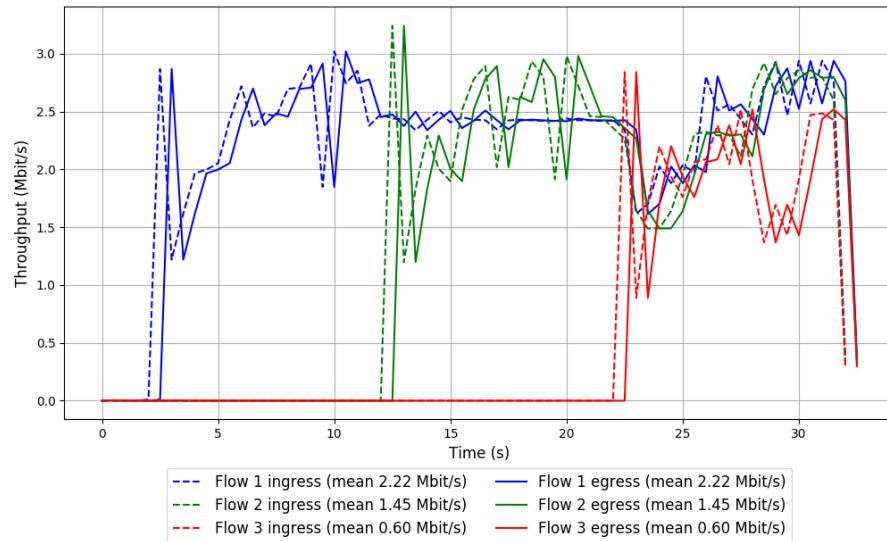


Run 1: Statistics of WebRTC media

```
Start at: 2019-09-18 09:21:51
End at: 2019-09-18 09:22:21
Local clock offset: -2.921 ms
Remote clock offset: -0.569 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 0.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

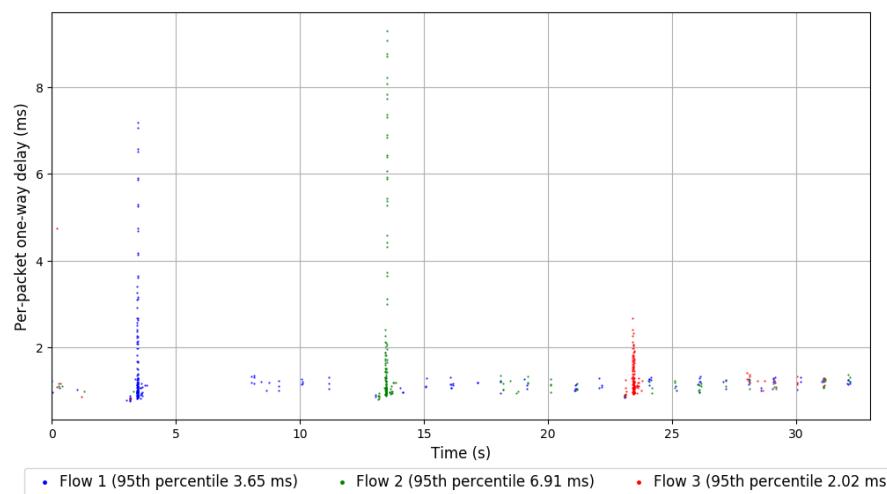
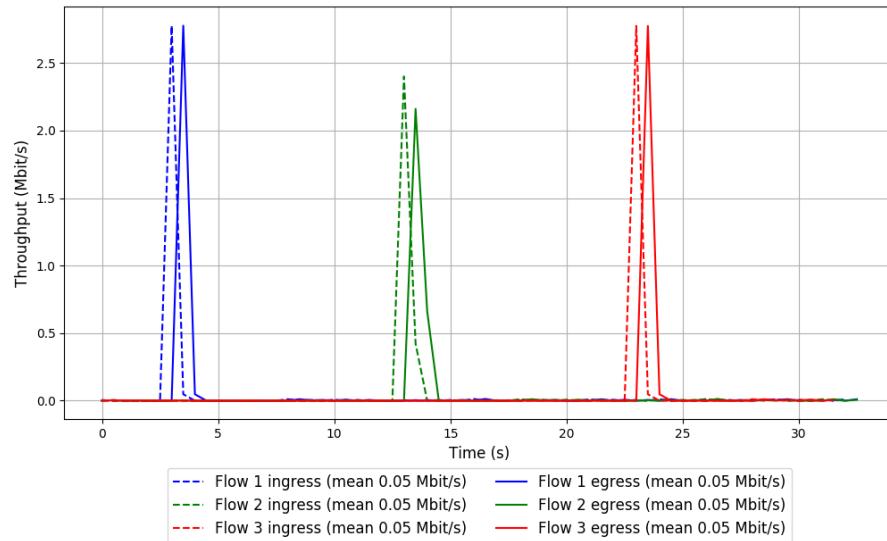


Run 2: Statistics of WebRTC media

```
Start at: 2019-09-18 09:57:21
End at: 2019-09-18 09:57:51
Local clock offset: 0.751 ms
Remote clock offset: 5.087 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 4.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.649 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.018 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

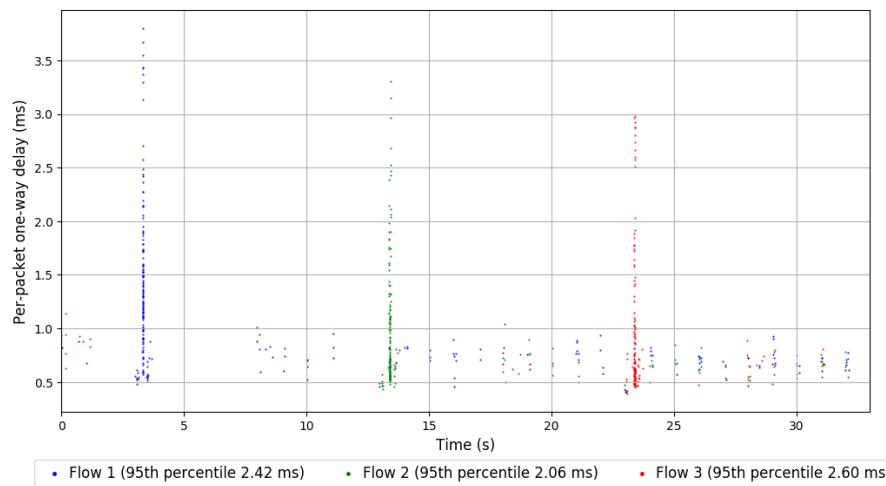
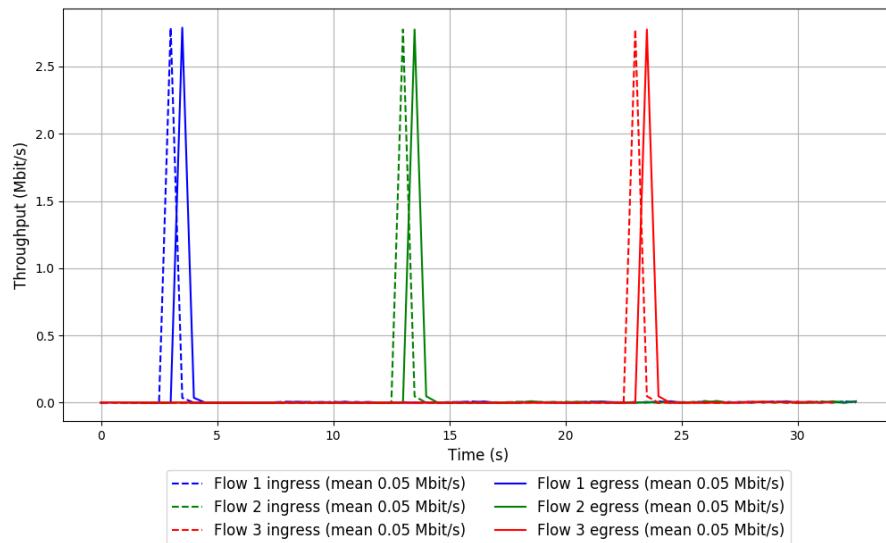


```
Run 3: Statistics of WebRTC media

Start at: 2019-09-18 10:32:26
End at: 2019-09-18 10:32:56
Local clock offset: 0.801 ms
Remote clock offset: 4.19 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.601 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

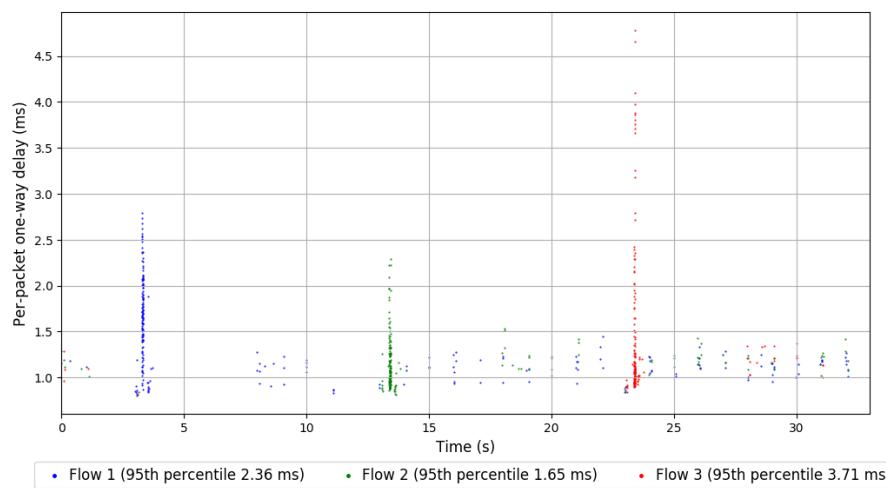
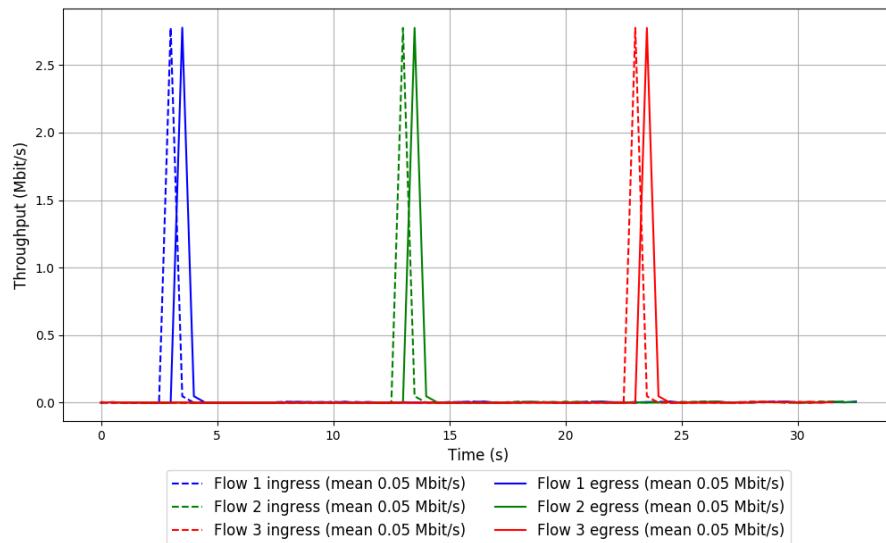


Run 4: Statistics of WebRTC media

```
Start at: 2019-09-18 11:07:51
End at: 2019-09-18 11:08:21
Local clock offset: -2.372 ms
Remote clock offset: 3.354 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.708 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-09-18 11:42:53
End at: 2019-09-18 11:43:23
Local clock offset: 0.066 ms
Remote clock offset: 1.778 ms

# Below is generated by plot.py at 2019-09-18 13:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 3.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.197 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

