

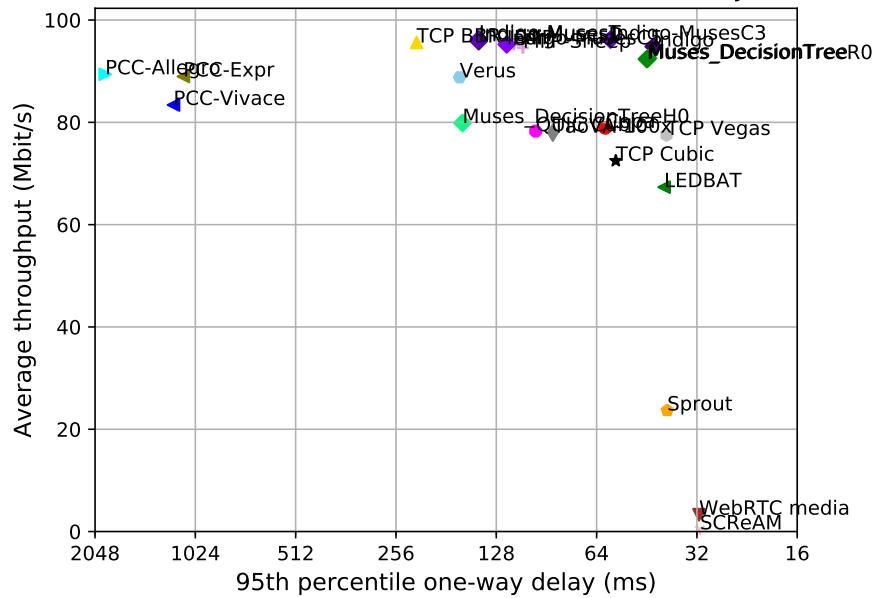
Pantheon Report

Generated at 2019-10-03 16:47:16 (UTC).
Data path: Mexico on `em1` (*remote*) → AWS California 2 on `ens5` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

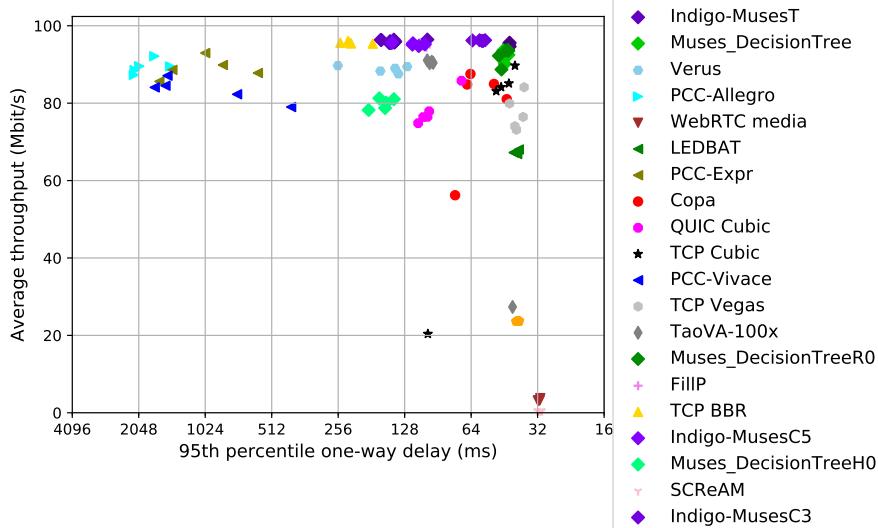
```
System info:  
Linux 4.15.0-1050-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec  
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966  
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Mexico to AWS California 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



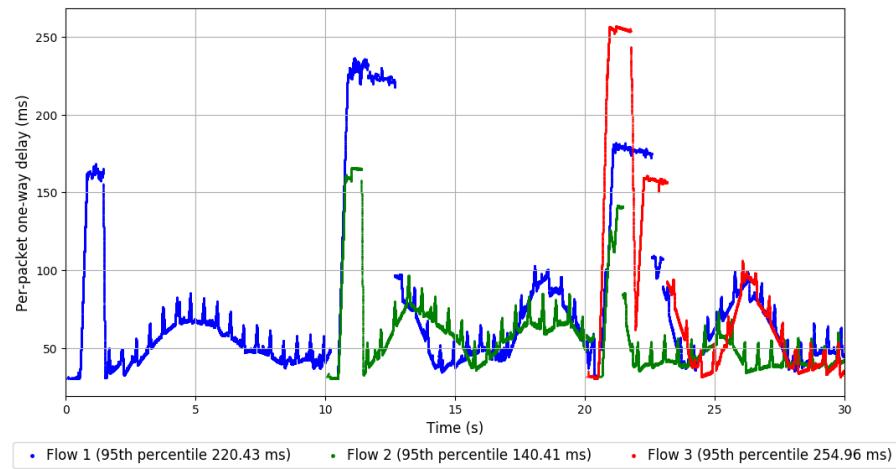
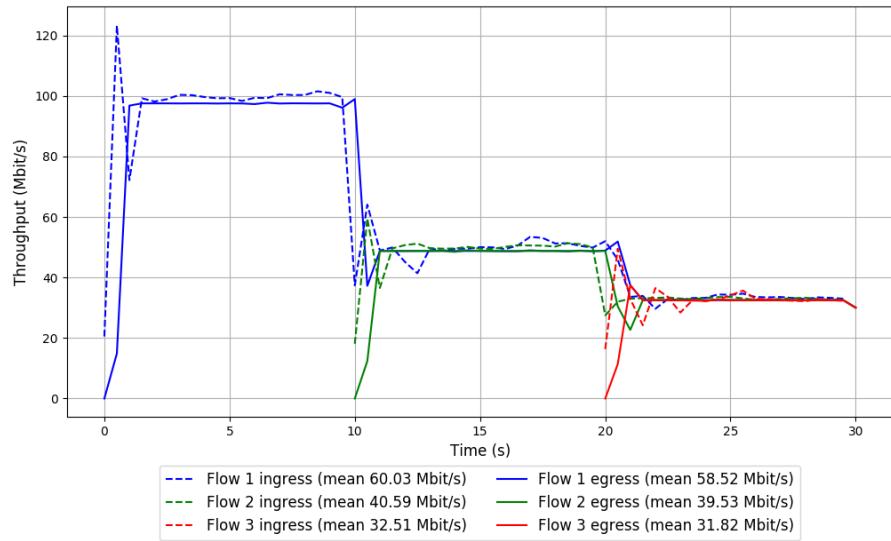
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	56.81	39.98	36.80	202.55	295.43	274.31	2.68	3.48	3.59
Copa		41.22	39.89	33.66	76.13	46.09	55.01	0.27	0.20	0.73
TCP Cubic		41.70	29.91	32.88	57.58	56.90	53.29	0.23	0.39	0.69
FillP		58.94	37.63	34.07	99.86	121.67	112.45	0.62	2.71	2.55
FillP-Sheep		57.71	41.77	27.41	105.68	91.81	174.29	0.26	0.56	1.48
Indigo		60.37	39.45	25.30	43.26	43.71	42.34	0.19	0.30	0.72
Indigo-MusesC3		59.01	42.52	33.58	58.29	56.77	67.21	0.20	0.51	1.01
Indigo-MusesC5		58.75	41.07	33.85	112.75	112.73	120.90	1.46	3.29	5.91
Indigo-MusesD		60.61	41.79	28.47	145.64	121.92	77.75	5.70	8.34	4.01
Indigo-MusesT		60.28	42.14	29.66	107.08	162.89	214.17	1.95	4.06	6.93
LEDBAT		39.31	30.63	23.09	40.29	40.76	38.29	0.16	0.30	1.12
Muses_DecisionTree		53.75	43.67	29.90	43.49	44.76	53.46	0.11	0.31	0.79
Muses_DecisionTreeH0		49.26	32.18	28.80	170.49	159.42	116.64	0.31	0.35	0.89
Muses_DecisionTreeR0		55.87	39.12	32.82	43.19	50.62	51.69	0.15	0.30	0.75
PCC-Allegro		56.20	36.84	26.53	2023.94	1234.78	429.75	13.62	10.01	4.66
PCC-Expr		55.75	35.01	30.28	786.80	1070.78	367.53	43.10	27.53	8.93
QUIC Cubic		44.12	38.35	26.33	85.34	109.41	156.32	0.19	0.42	1.01
SCReAM		0.21	0.21	0.22	31.44	31.24	31.17	0.21	0.40	0.71
Sprout		11.95	11.91	11.60	39.15	39.21	39.72	0.24	0.35	0.67
TaoVA-100x		41.18	26.36	64.59	82.41	102.15	66.85	0.13	0.23	0.83
TCP Vegas		44.58	34.70	29.73	43.99	36.40	40.56	0.20	0.31	0.72
Verus		53.38	40.92	24.82	141.75	114.28	548.37	0.35	0.55	1.52
PCC-Vivace		53.91	33.77	21.39	1243.89	187.47	62.38	4.03	0.81	1.38
WebRTC media		1.85	1.04	0.43	31.50	31.65	31.59	0.24	0.40	0.59

Run 1: Statistics of TCP BBR

```
Start at: 2019-10-03 11:26:41
End at: 2019-10-03 11:27:11
Local clock offset: 0.39 ms
Remote clock offset: 7.293 ms

# Below is generated by plot.py at 2019-10-03 16:32:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 178.621 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 220.428 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 140.409 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 254.961 ms
Loss rate: 2.77%
```

Run 1: Report of TCP BBR — Data Link

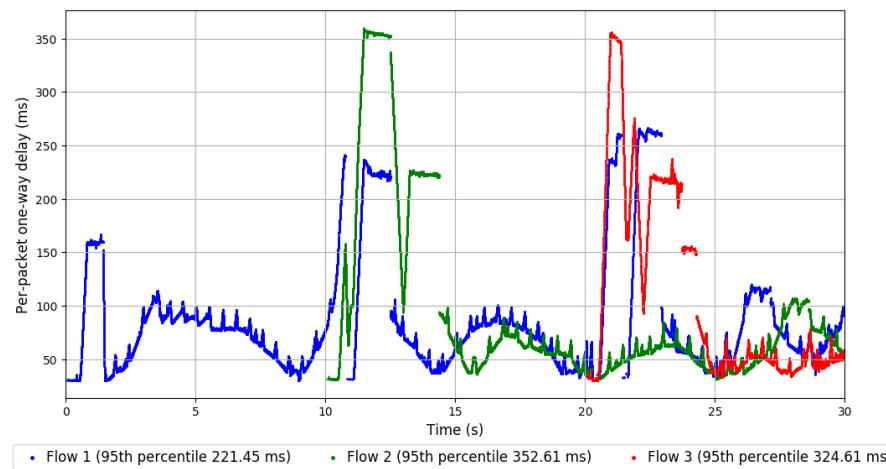
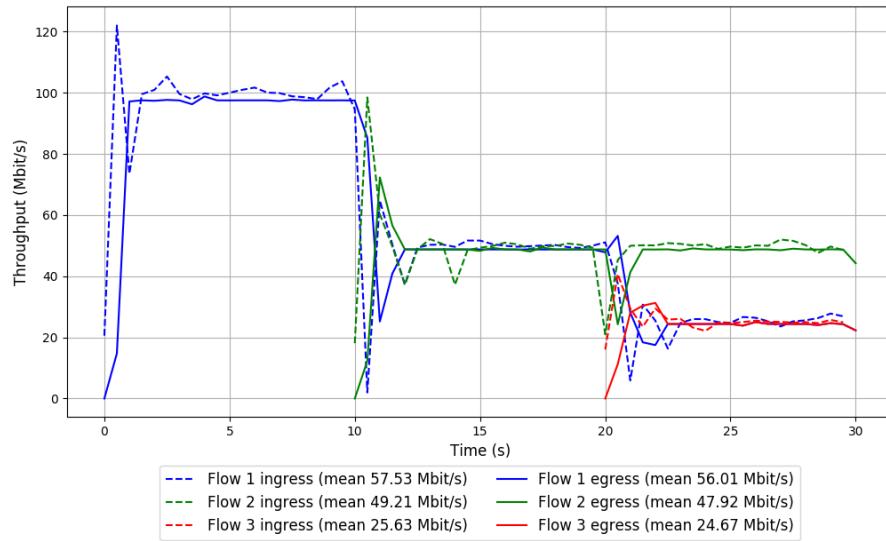


Run 2: Statistics of TCP BBR

```
Start at: 2019-10-03 12:17:51
End at: 2019-10-03 12:18:21
Local clock offset: 0.26 ms
Remote clock offset: 7.859 ms

# Below is generated by plot.py at 2019-10-03 16:32:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 231.090 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 221.447 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 47.92 Mbit/s
95th percentile per-packet one-way delay: 352.614 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 324.606 ms
Loss rate: 4.45%
```

Run 2: Report of TCP BBR — Data Link

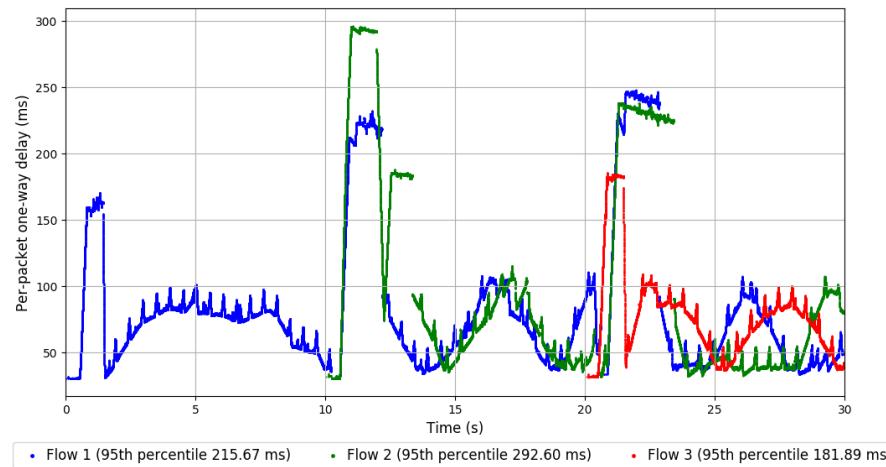
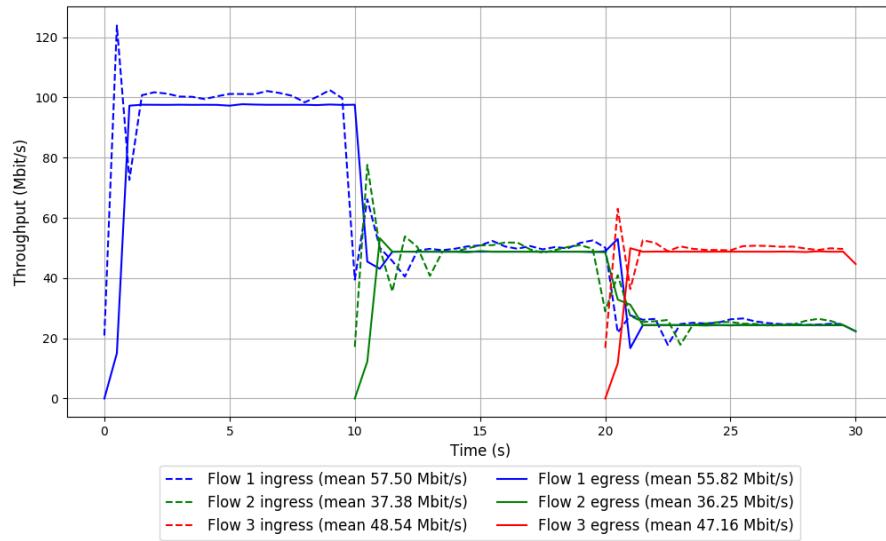


Run 3: Statistics of TCP BBR

```
Start at: 2019-10-03 13:16:46
End at: 2019-10-03 13:17:16
Local clock offset: 0.09 ms
Remote clock offset: 7.465 ms

# Below is generated by plot.py at 2019-10-03 16:32:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 225.618 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 215.668 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 292.600 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 181.892 ms
Loss rate: 3.48%
```

Run 3: Report of TCP BBR — Data Link

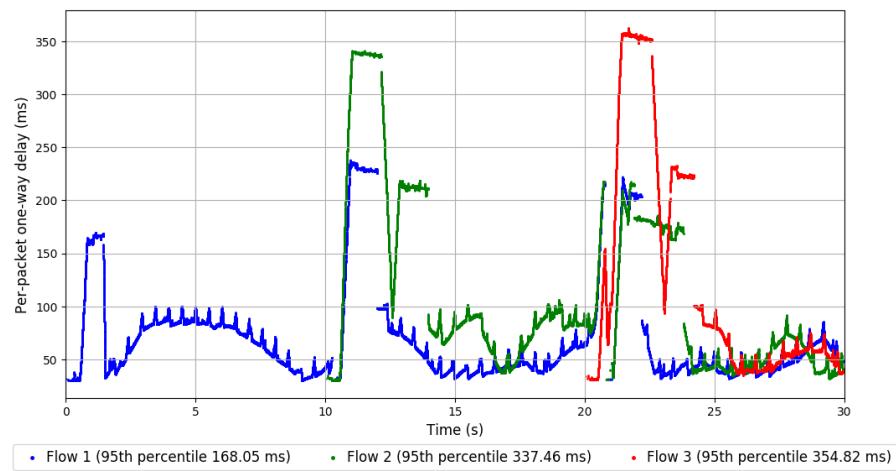
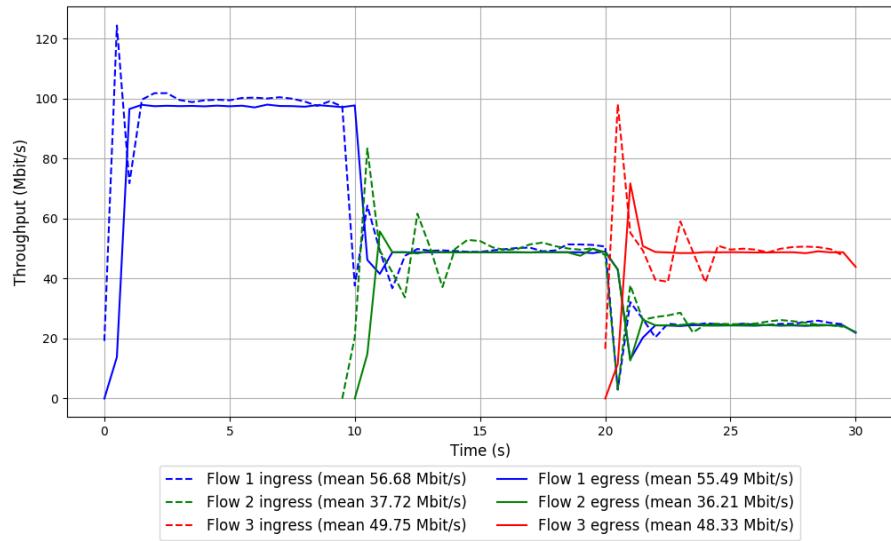


Run 4: Statistics of TCP BBR

```
Start at: 2019-10-03 14:32:18
End at: 2019-10-03 14:32:48
Local clock offset: 0.005 ms
Remote clock offset: 7.565 ms

# Below is generated by plot.py at 2019-10-03 16:32:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 250.272 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 168.052 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 337.458 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 354.820 ms
Loss rate: 3.53%
```

Run 4: Report of TCP BBR — Data Link

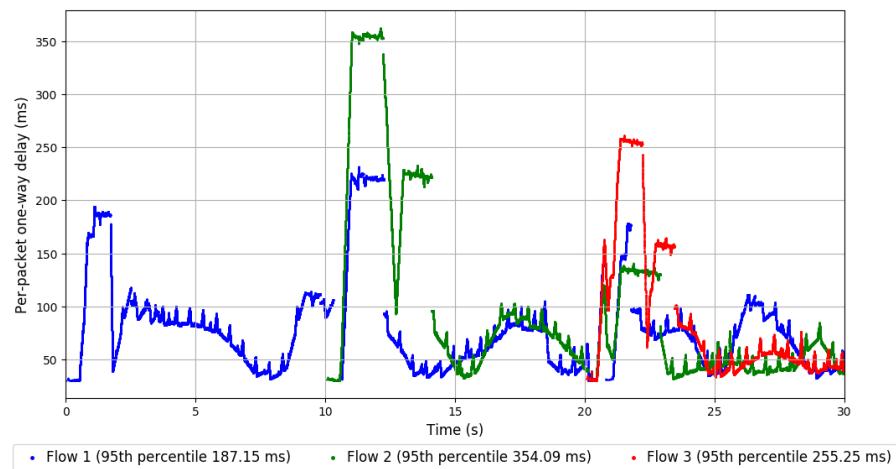
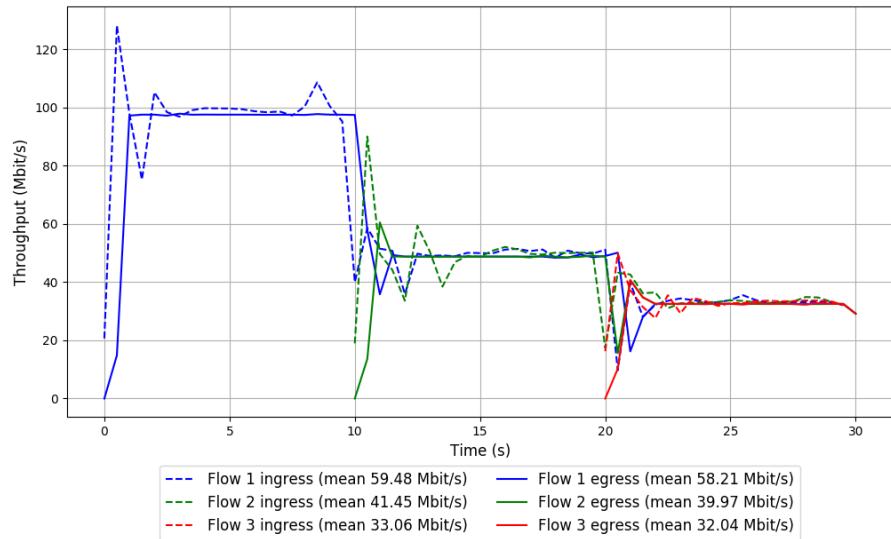


Run 5: Statistics of TCP BBR

```
Start at: 2019-10-03 15:55:28
End at: 2019-10-03 15:55:58
Local clock offset: -0.113 ms
Remote clock offset: 6.776 ms

# Below is generated by plot.py at 2019-10-03 16:32:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 224.077 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 187.149 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 354.093 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 255.254 ms
Loss rate: 3.72%
```

Run 5: Report of TCP BBR — Data Link

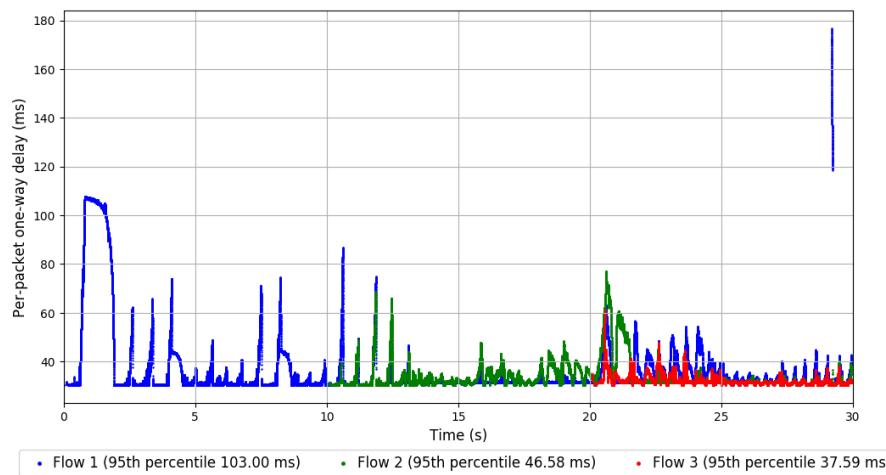
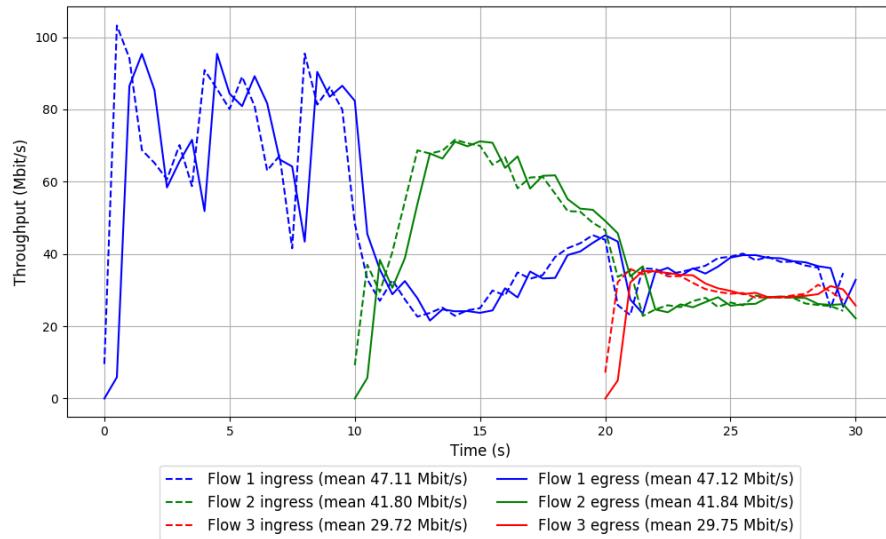


Run 1: Statistics of Copa

```
Start at: 2019-10-03 11:47:40
End at: 2019-10-03 11:48:10
Local clock offset: 0.349 ms
Remote clock offset: 8.045 ms

# Below is generated by plot.py at 2019-10-03 16:33:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 66.724 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 102.995 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 46.582 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 37.594 ms
Loss rate: 0.53%
```

Run 1: Report of Copa — Data Link

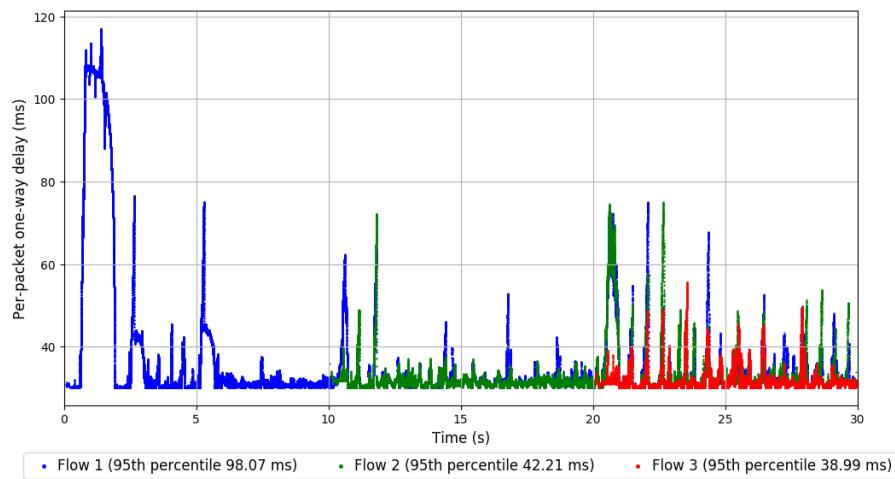
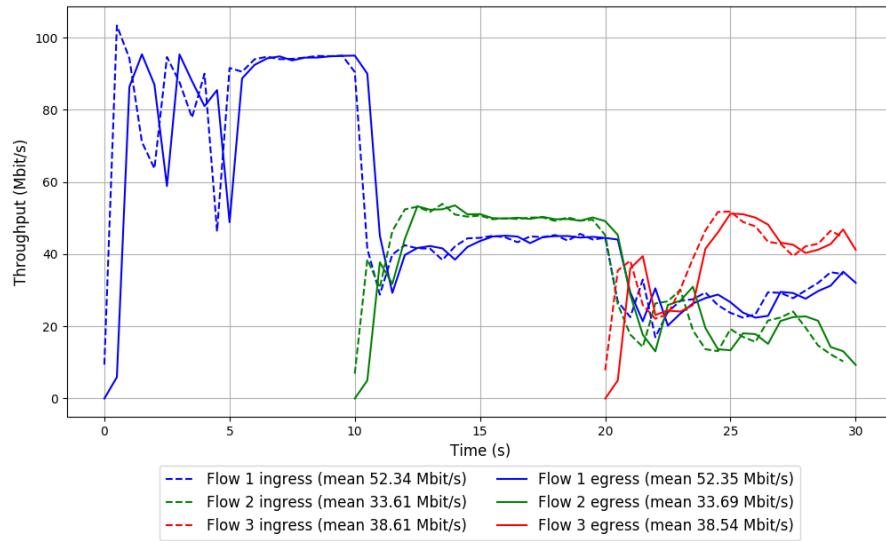


Run 2: Statistics of Copa

```
Start at: 2019-10-03 12:41:40
End at: 2019-10-03 12:42:10
Local clock offset: 0.243 ms
Remote clock offset: 7.659 ms

# Below is generated by plot.py at 2019-10-03 16:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 64.467 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 98.073 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 42.210 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 38.994 ms
Loss rate: 0.82%
```

Run 2: Report of Copa — Data Link

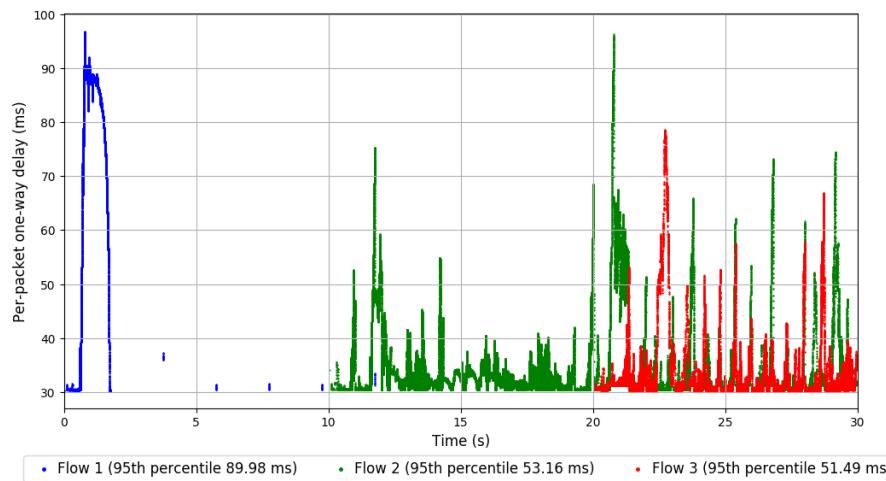
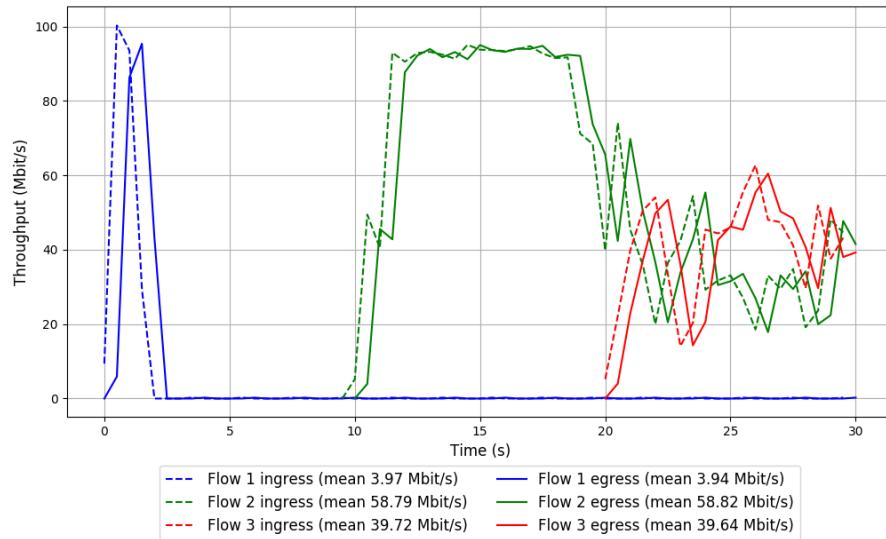


Run 3: Statistics of Copa

```
Start at: 2019-10-03 13:47:17
End at: 2019-10-03 13:47:47
Local clock offset: -0.096 ms
Remote clock offset: 7.558 ms

# Below is generated by plot.py at 2019-10-03 16:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 75.672 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 89.983 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 53.160 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 51.493 ms
Loss rate: 0.82%
```

Run 3: Report of Copa — Data Link

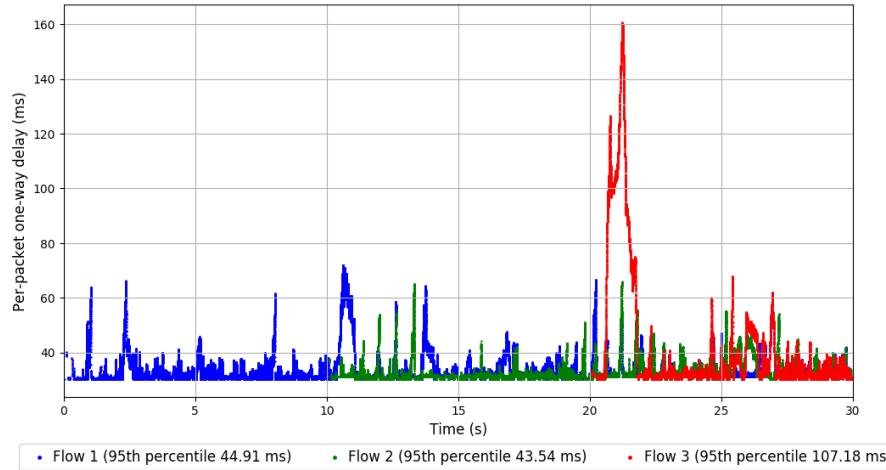
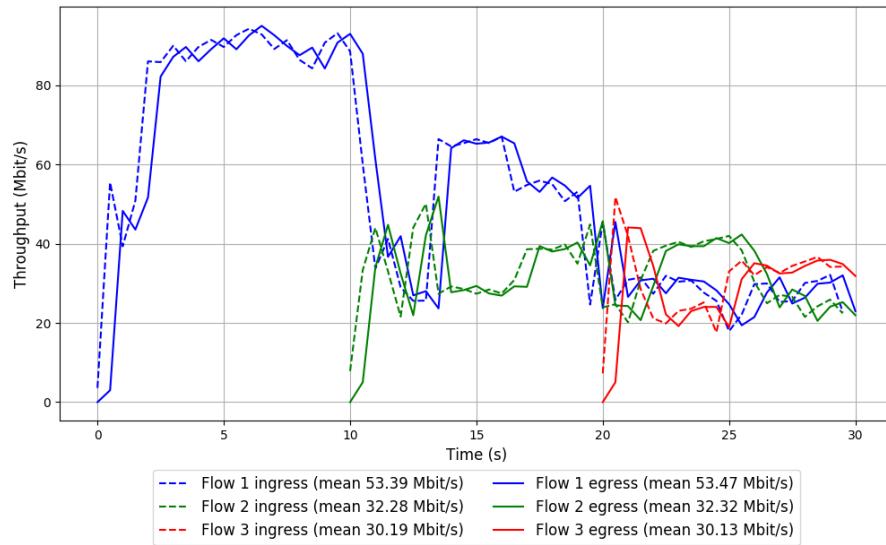


Run 4: Statistics of Copa

```
Start at: 2019-10-03 15:11:03
End at: 2019-10-03 15:11:33
Local clock offset: -0.013 ms
Remote clock offset: 7.374 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 50.441 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 44.907 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 43.542 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 107.182 ms
Loss rate: 0.83%
```

Run 4: Report of Copa — Data Link

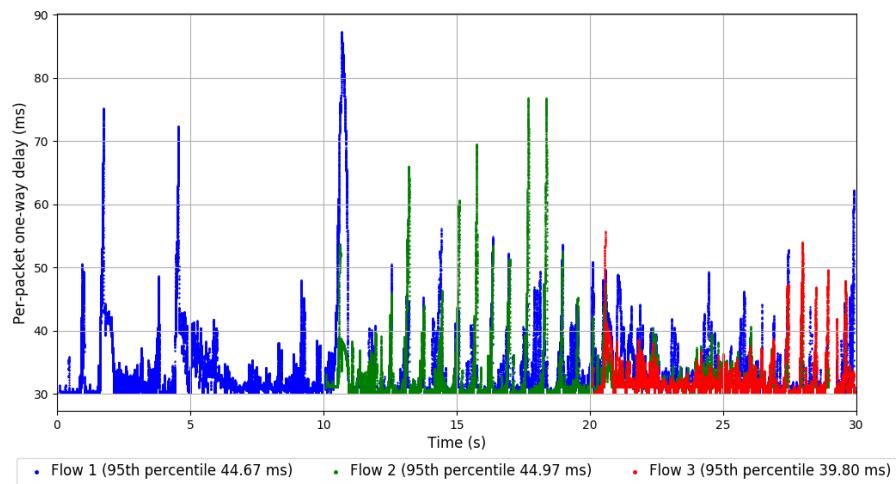
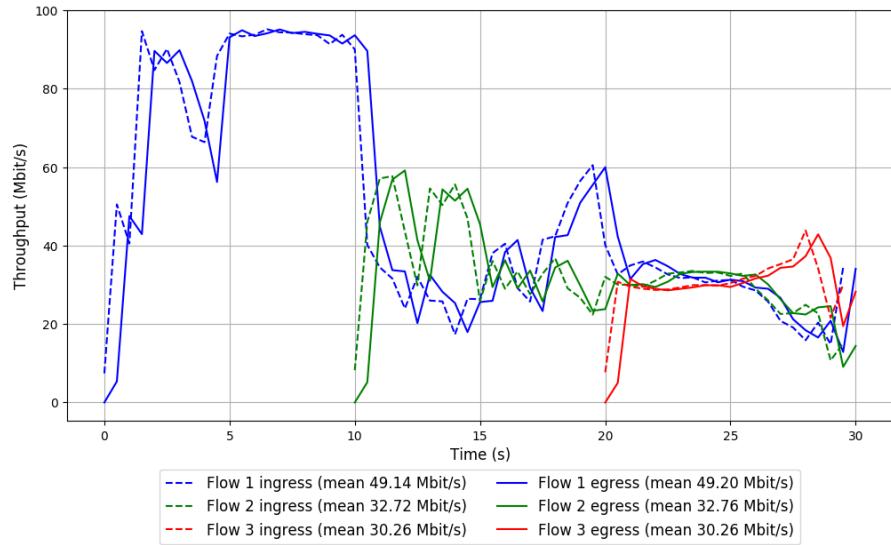


Run 5: Statistics of Copa

```
Start at: 2019-10-03 16:24:01
End at: 2019-10-03 16:24:31
Local clock offset: 0.056 ms
Remote clock offset: 6.56 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 44.159 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 44.671 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 44.969 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 39.805 ms
Loss rate: 0.64%
```

Run 5: Report of Copa — Data Link

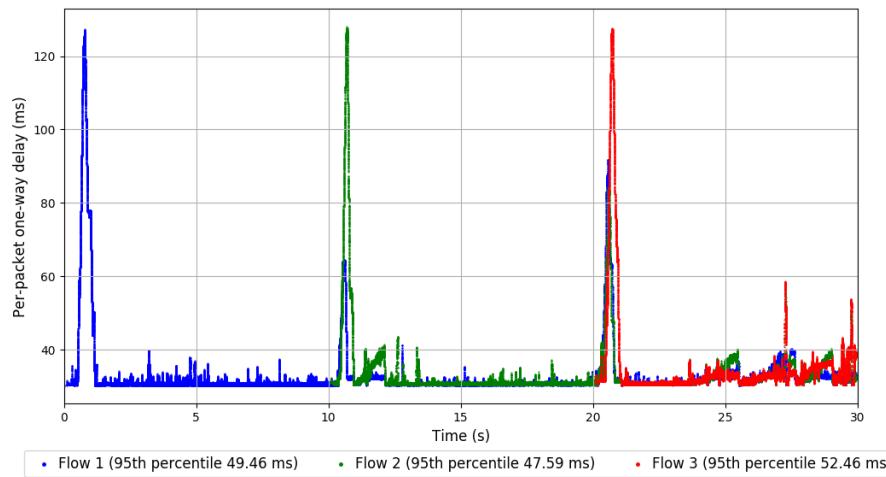
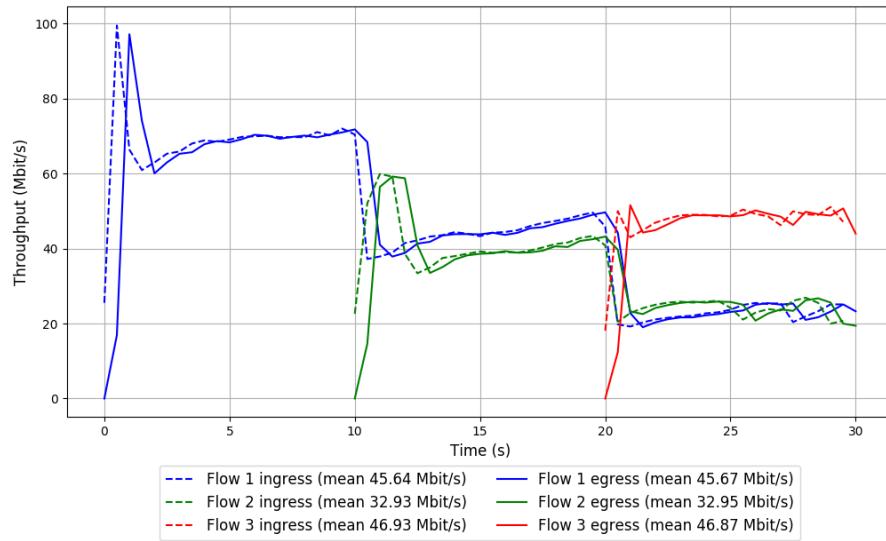


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-10-03 11:15:38
End at: 2019-10-03 11:16:08
Local clock offset: 0.377 ms
Remote clock offset: 6.927 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.11 Mbit/s
95th percentile per-packet one-way delay: 49.267 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 49.462 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 47.590 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 52.458 ms
Loss rate: 0.78%
```

Run 1: Report of TCP Cubic — Data Link

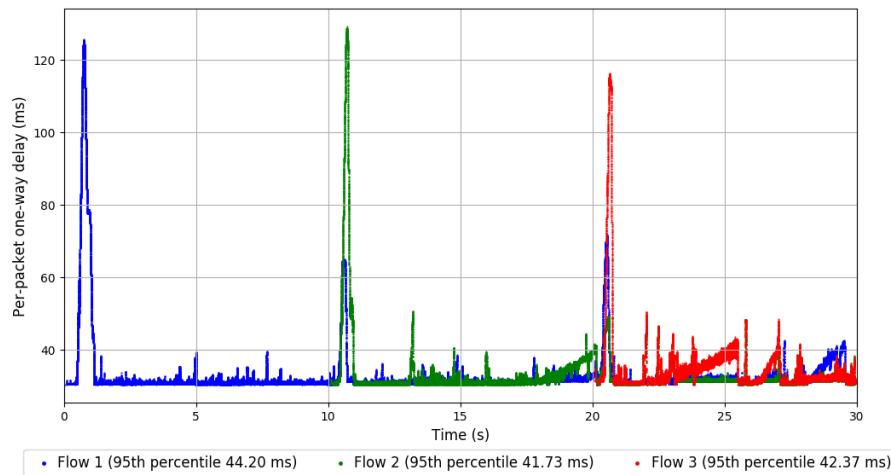
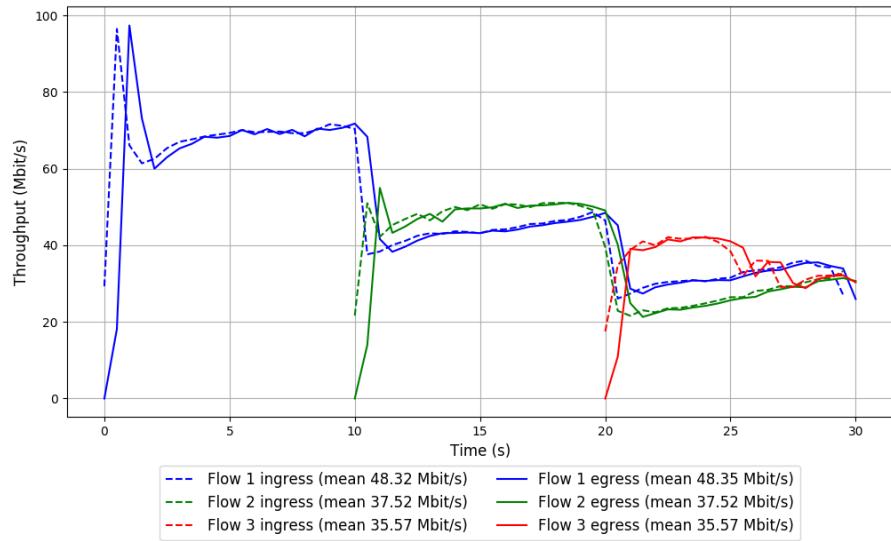


Run 2: Statistics of TCP Cubic

```
Start at: 2019-10-03 12:06:20
End at: 2019-10-03 12:06:50
Local clock offset: 0.306 ms
Remote clock offset: 7.797 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 43.180 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 44.200 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 41.731 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 42.373 ms
Loss rate: 0.63%
```

Run 2: Report of TCP Cubic — Data Link

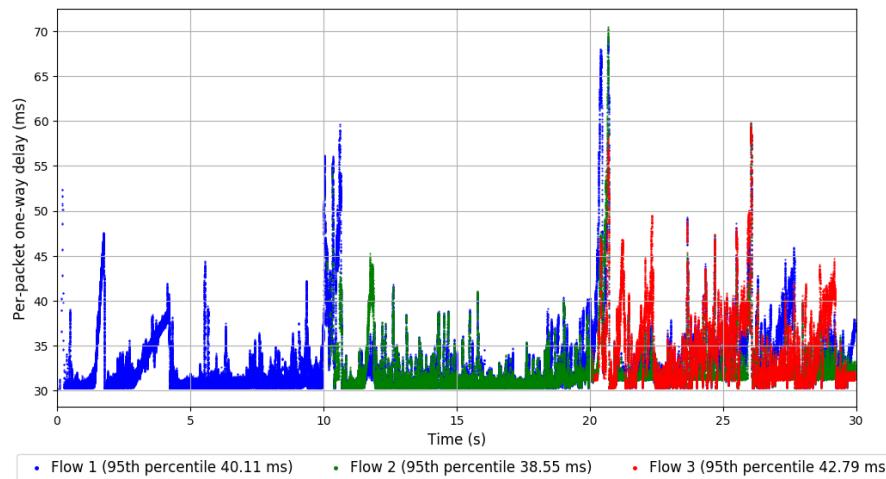
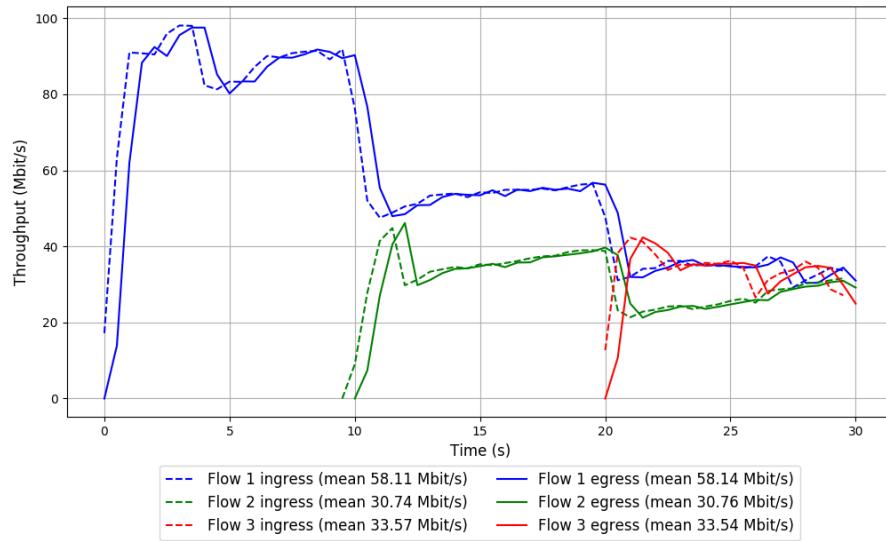


Run 3: Statistics of TCP Cubic

```
Start at: 2019-10-03 13:04:06
End at: 2019-10-03 13:04:36
Local clock offset: 0.149 ms
Remote clock offset: 7.511 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 40.534 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 40.114 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 38.555 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 42.793 ms
Loss rate: 0.75%
```

Run 3: Report of TCP Cubic — Data Link

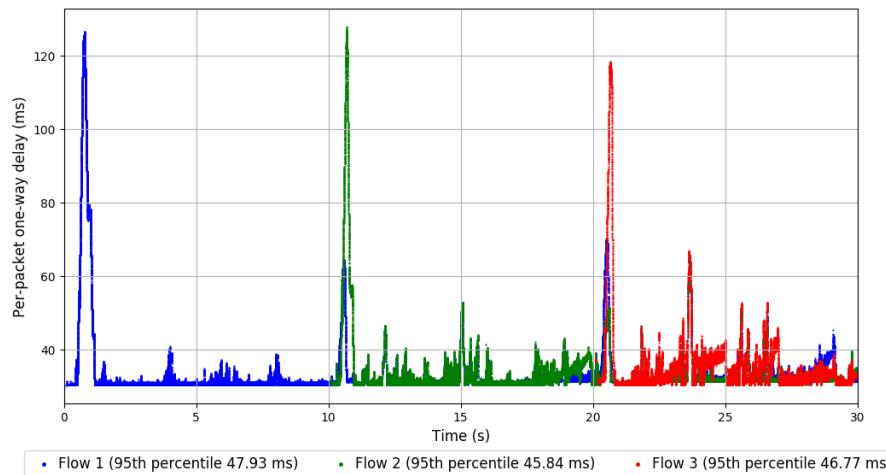
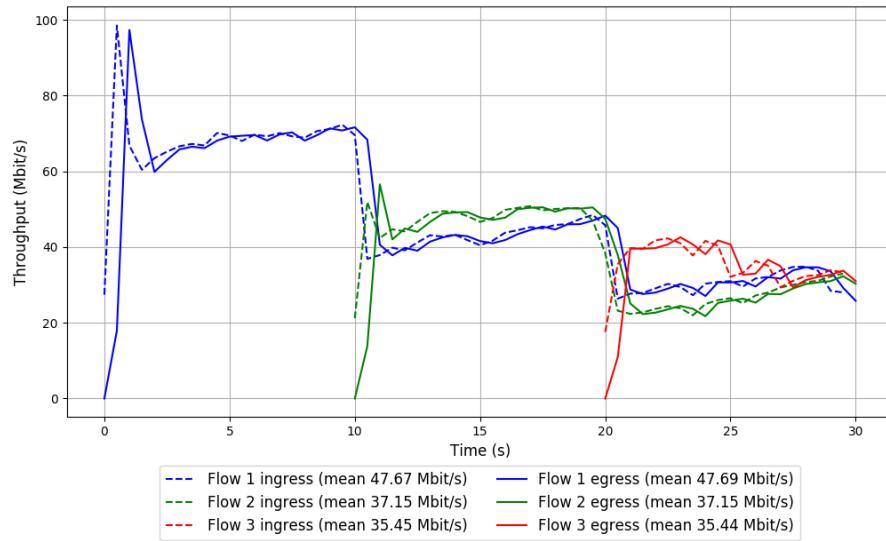


Run 4: Statistics of TCP Cubic

```
Start at: 2019-10-03 14:16:58
End at: 2019-10-03 14:17:28
Local clock offset: 0.067 ms
Remote clock offset: 7.456 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 46.828 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.69 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 45.837 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 46.765 ms
Loss rate: 0.66%
```

Run 4: Report of TCP Cubic — Data Link

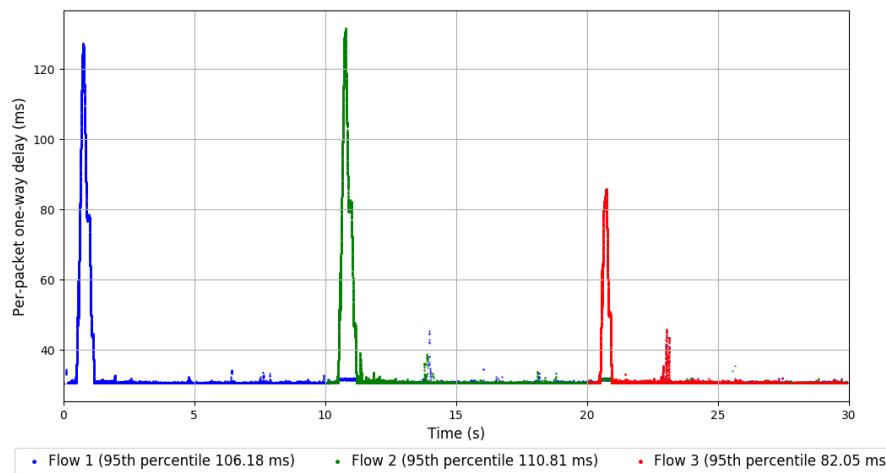
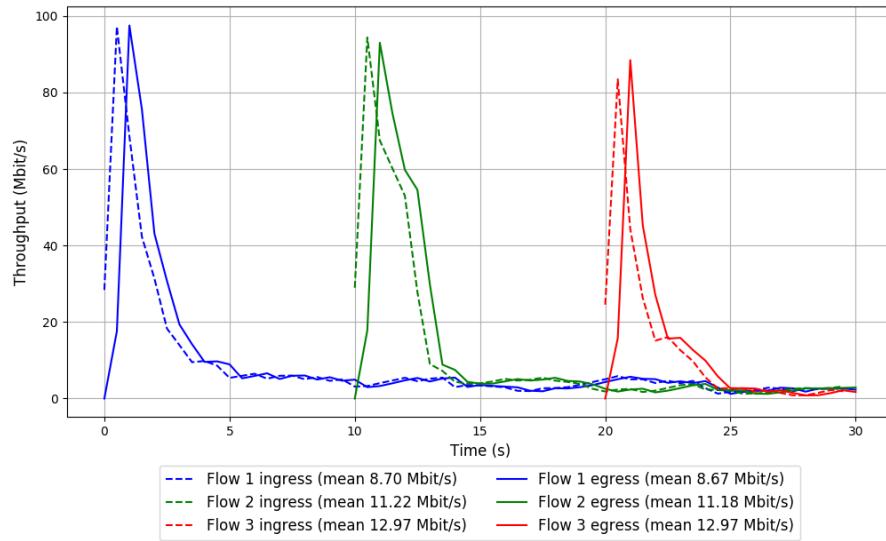


Run 5: Statistics of TCP Cubic

```
Start at: 2019-10-03 15:46:26
End at: 2019-10-03 15:46:56
Local clock offset: -0.067 ms
Remote clock offset: 7.016 ms

# Below is generated by plot.py at 2019-10-03 16:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 100.485 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 106.182 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 110.811 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 0.63%
```

Run 5: Report of TCP Cubic — Data Link

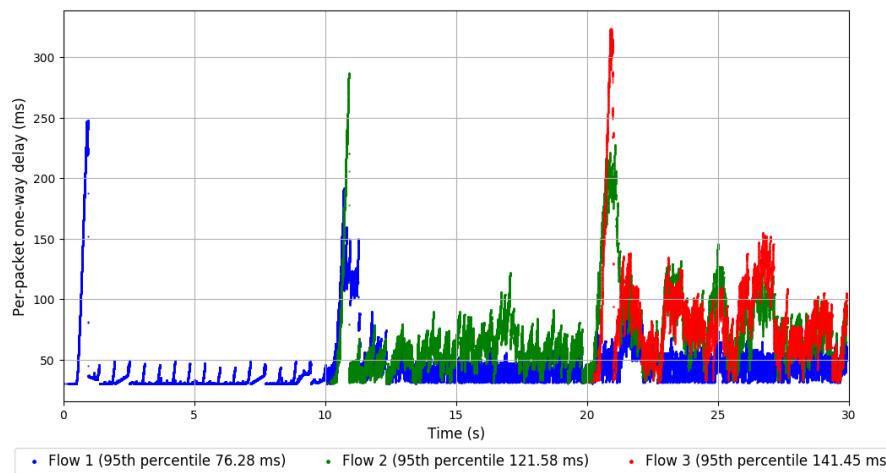
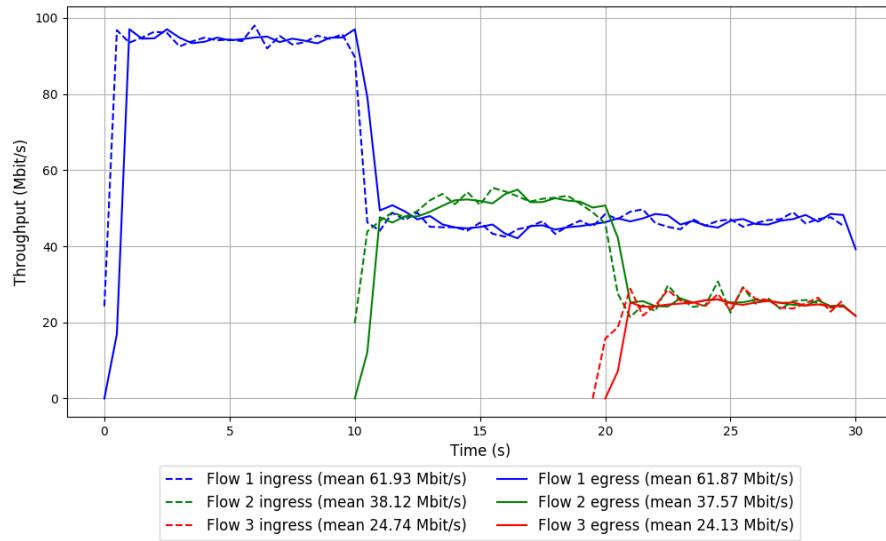


```
Run 1: Statistics of FillP

Start at: 2019-10-03 11:03:10
End at: 2019-10-03 11:03:40
Local clock offset: 0.444 ms
Remote clock offset: 6.899 ms

# Below is generated by plot.py at 2019-10-03 16:34:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 113.254 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 76.280 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 121.575 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 141.450 ms
Loss rate: 3.08%
```

Run 1: Report of FillP — Data Link

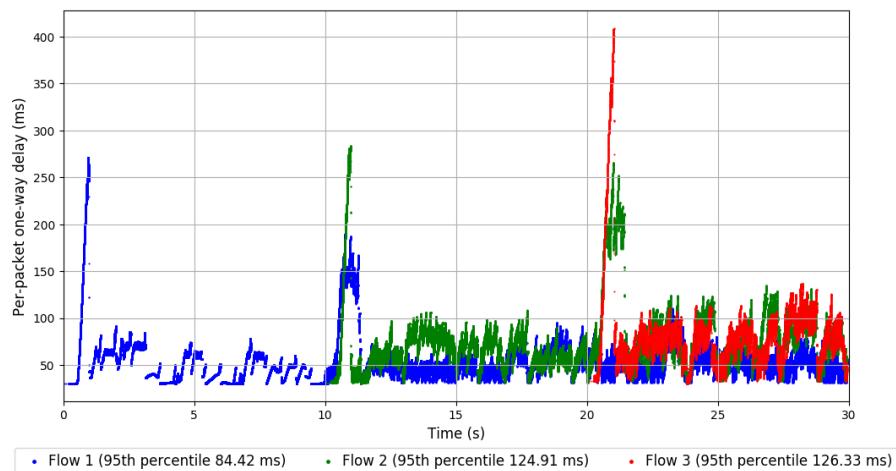
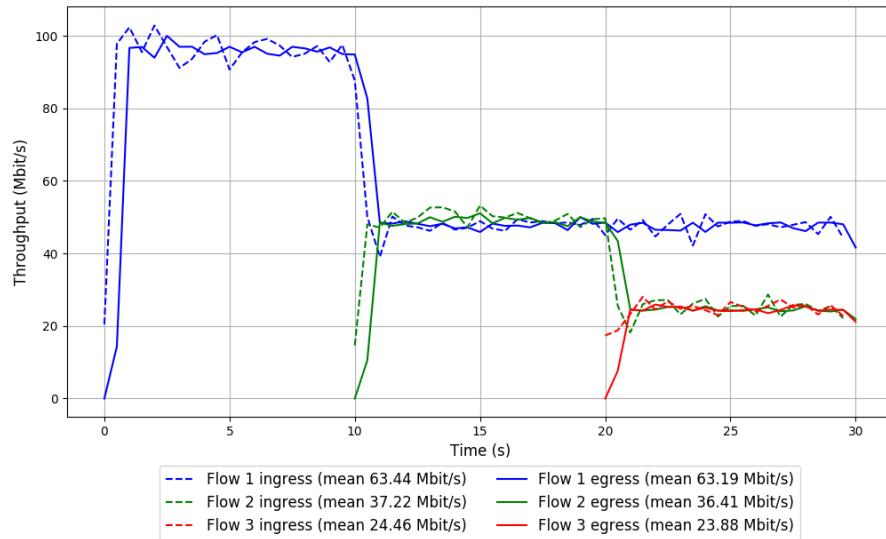


Run 2: Statistics of FillP

```
Start at: 2019-10-03 11:53:54
End at: 2019-10-03 11:54:24
Local clock offset: 0.374 ms
Remote clock offset: 7.947 ms

# Below is generated by plot.py at 2019-10-03 16:34:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 110.539 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 84.418 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 124.911 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 126.332 ms
Loss rate: 3.02%
```

Run 2: Report of FillP — Data Link

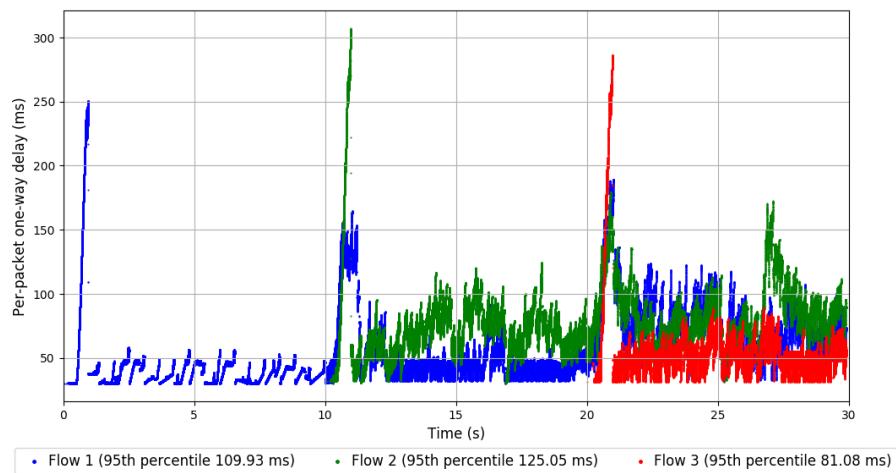
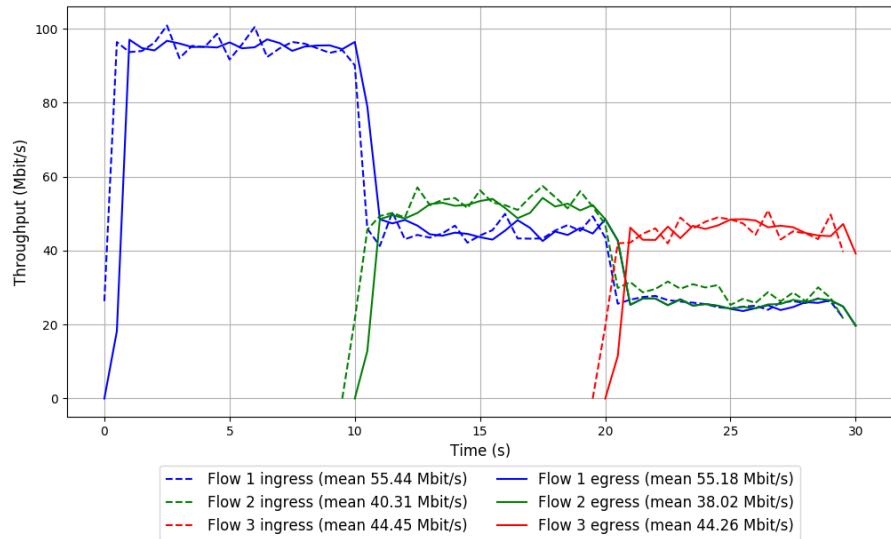


Run 3: Statistics of FillP

```
Start at: 2019-10-03 12:50:21
End at: 2019-10-03 12:50:51
Local clock offset: 0.202 ms
Remote clock offset: 7.529 ms

# Below is generated by plot.py at 2019-10-03 16:34:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 114.530 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 109.928 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 125.052 ms
Loss rate: 5.96%
-- Flow 3:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 81.080 ms
Loss rate: 0.91%
```

Run 3: Report of FillP — Data Link

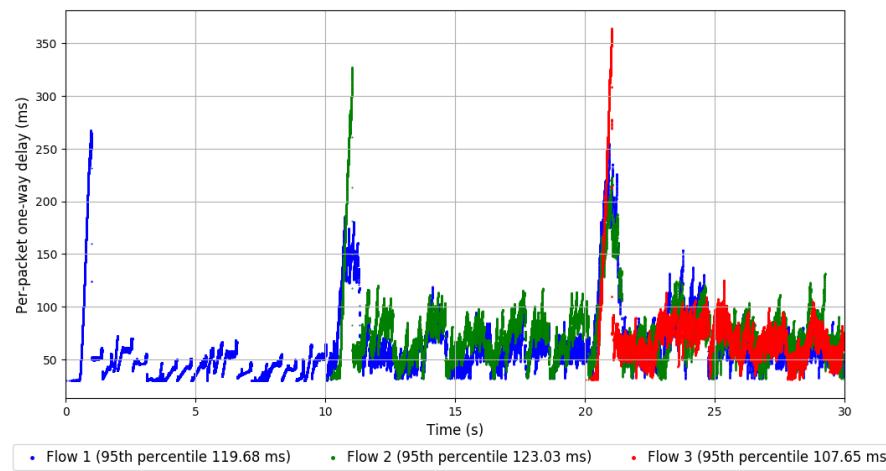
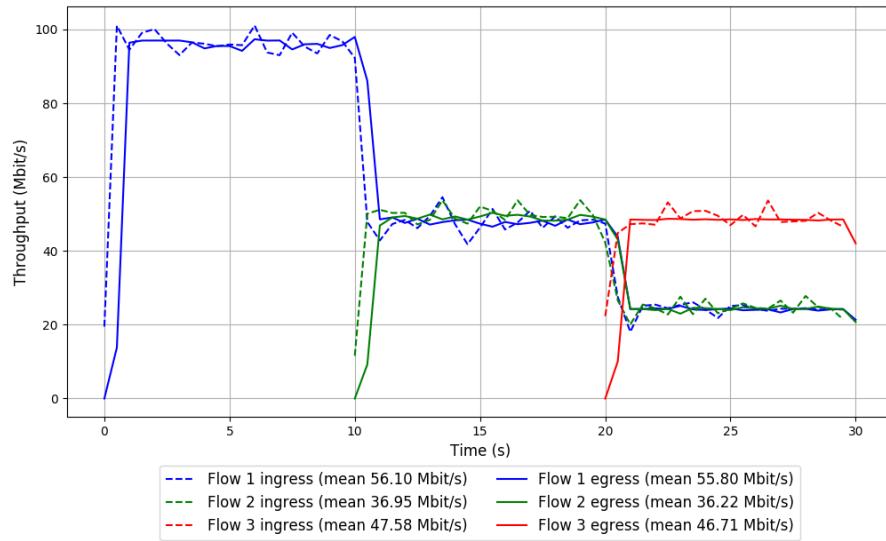


Run 4: Statistics of FillP

```
Start at: 2019-10-03 13:57:24
End at: 2019-10-03 13:57:54
Local clock offset: -0.076 ms
Remote clock offset: 7.491 ms

# Below is generated by plot.py at 2019-10-03 16:34:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 118.956 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 119.684 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 123.032 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 107.650 ms
Loss rate: 2.46%
```

Run 4: Report of FillP — Data Link

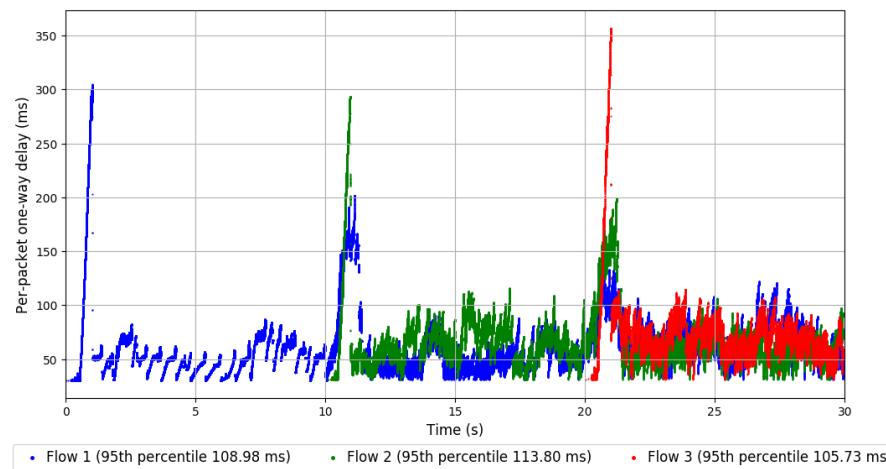
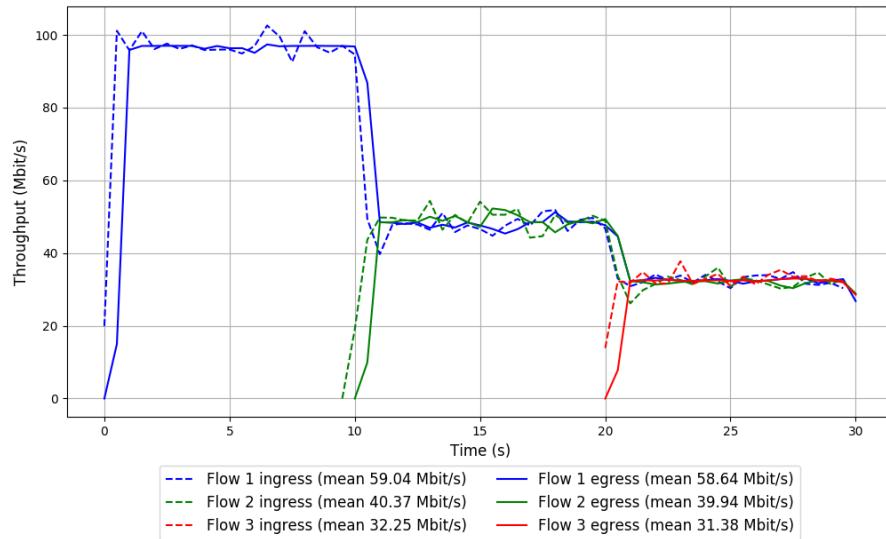


```
Run 5: Statistics of FillP
```

```
Start at: 2019-10-03 15:21:56
End at: 2019-10-03 15:22:26
Local clock offset: -0.041 ms
Remote clock offset: 7.246 ms

# Below is generated by plot.py at 2019-10-03 16:34:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 109.298 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 108.984 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 113.798 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 105.726 ms
Loss rate: 3.29%
```

Run 5: Report of FillP — Data Link

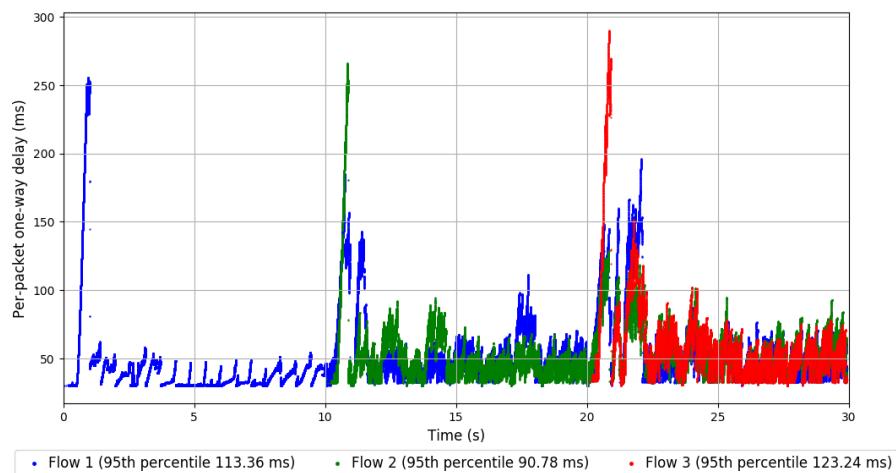
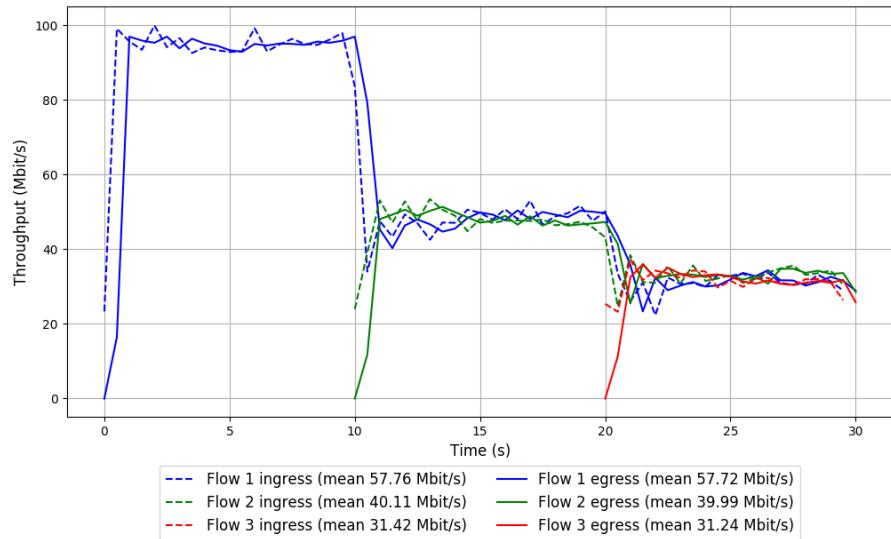


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-10-03 11:50:23
End at: 2019-10-03 11:50:53
Local clock offset: 0.339 ms
Remote clock offset: 8.063 ms

# Below is generated by plot.py at 2019-10-03 16:34:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 105.345 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 113.361 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 90.777 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 123.242 ms
Loss rate: 1.00%
```

Run 1: Report of FillP-Sheep — Data Link

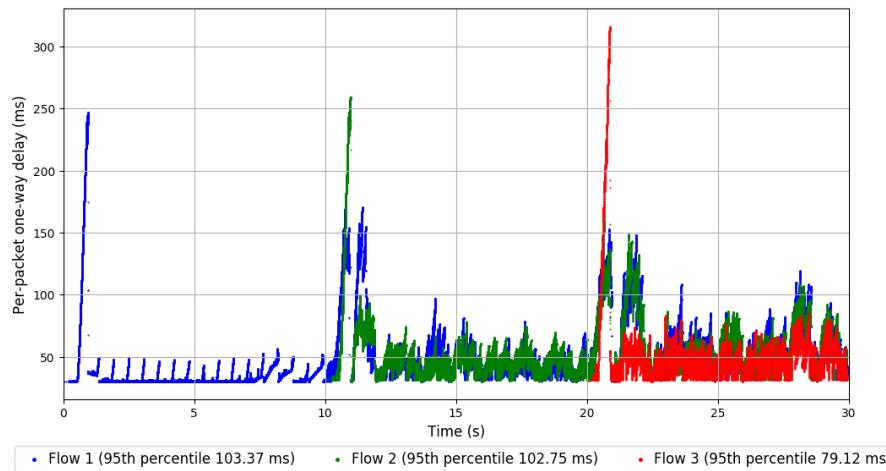
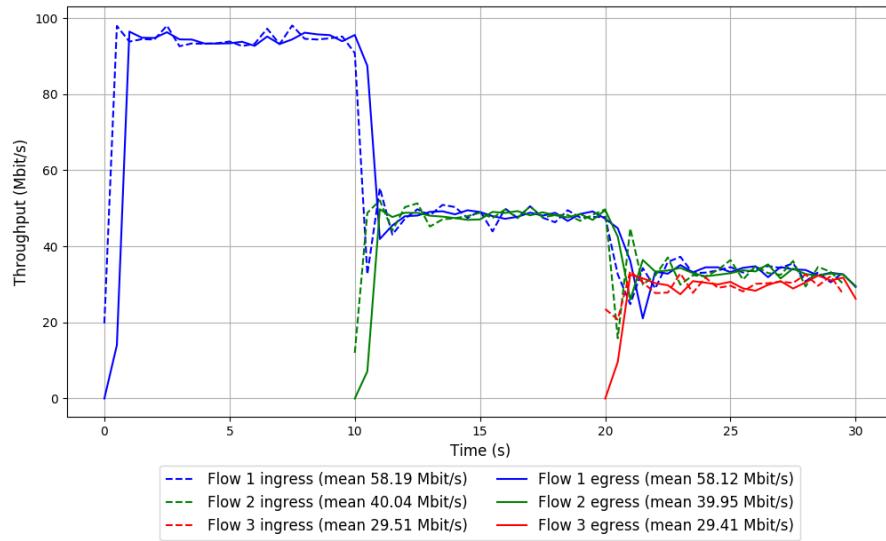


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-10-03 12:45:50
End at: 2019-10-03 12:46:20
Local clock offset: 0.261 ms
Remote clock offset: 7.531 ms

# Below is generated by plot.py at 2019-10-03 16:35:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 101.993 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 103.370 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 102.750 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 79.124 ms
Loss rate: 0.78%
```

Run 2: Report of FillP-Sheep — Data Link

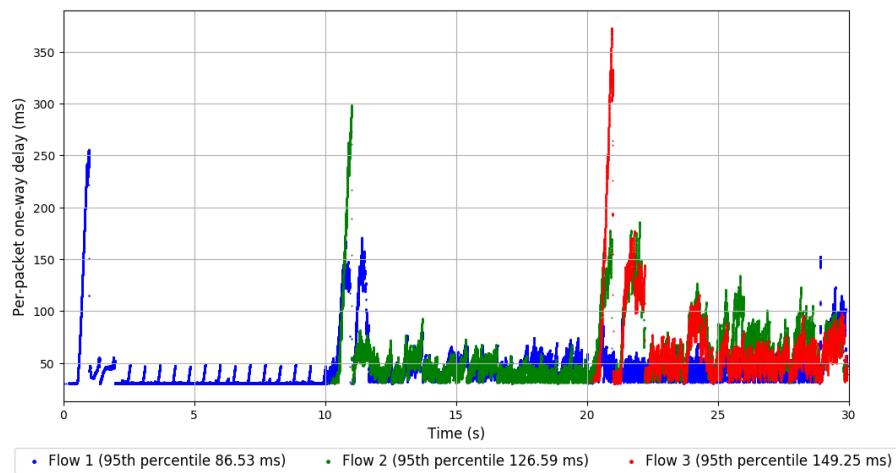
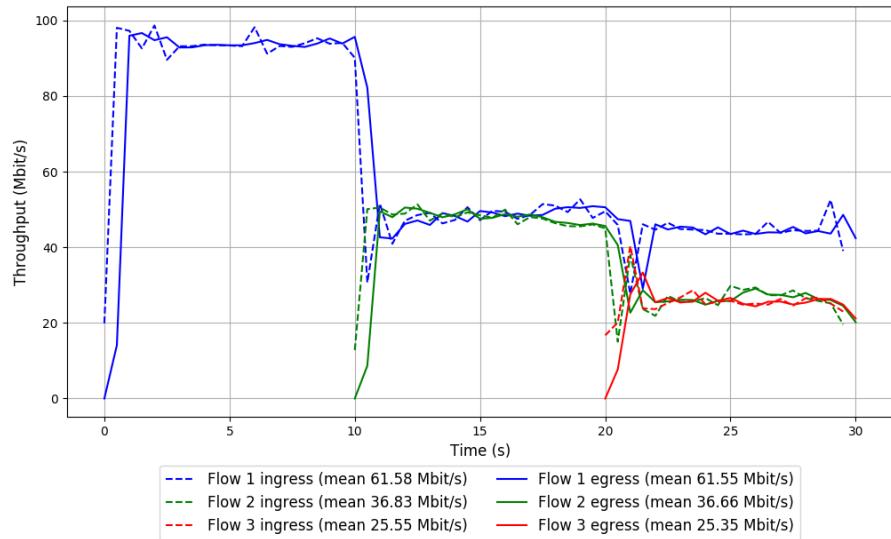


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-10-03 13:51:16
End at: 2019-10-03 13:51:46
Local clock offset: -0.073 ms
Remote clock offset: 7.409 ms

# Below is generated by plot.py at 2019-10-03 16:35:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 111.825 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 86.531 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 126.595 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 149.245 ms
Loss rate: 1.39%
```

Run 3: Report of FillP-Sheep — Data Link

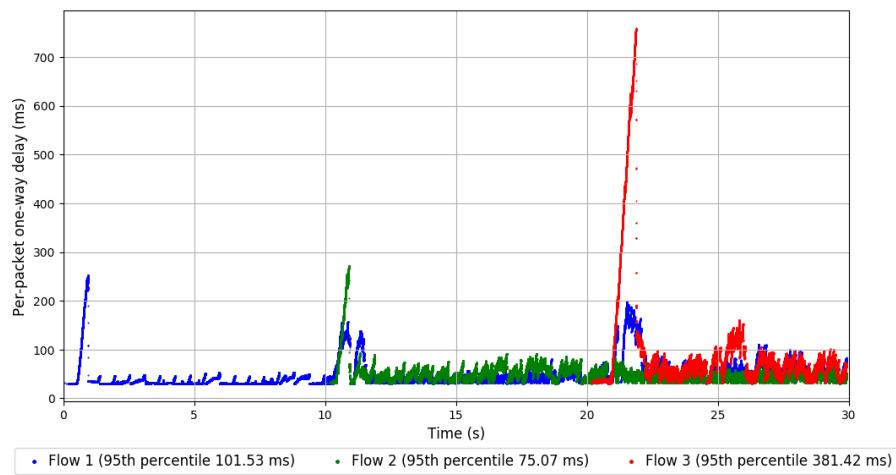
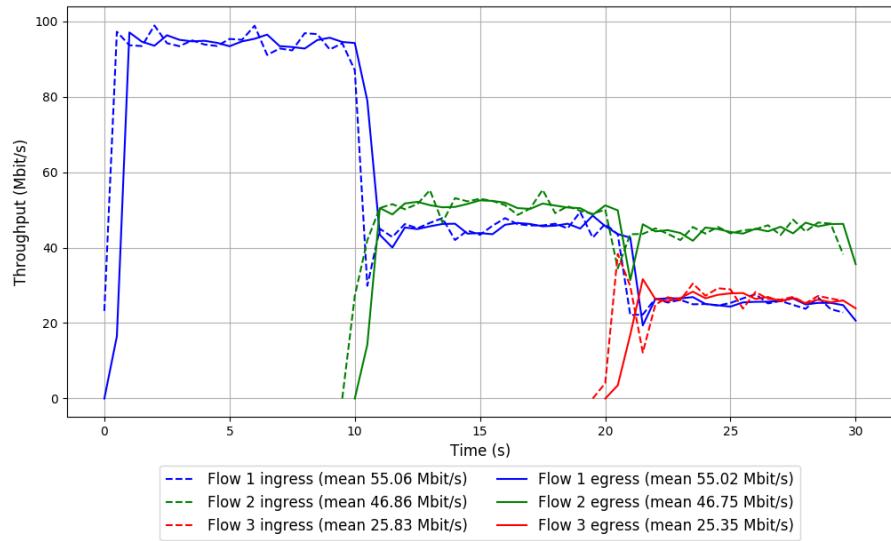


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-10-03 15:16:13
End at: 2019-10-03 15:16:43
Local clock offset: -0.035 ms
Remote clock offset: 7.119 ms

# Below is generated by plot.py at 2019-10-03 16:35:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 104.222 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 101.529 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 75.073 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 381.420 ms
Loss rate: 2.50%
```

Run 4: Report of FillP-Sheep — Data Link

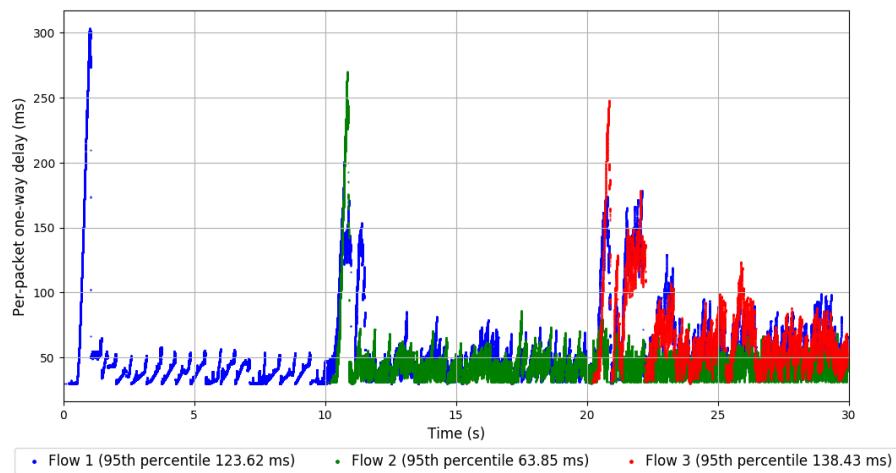
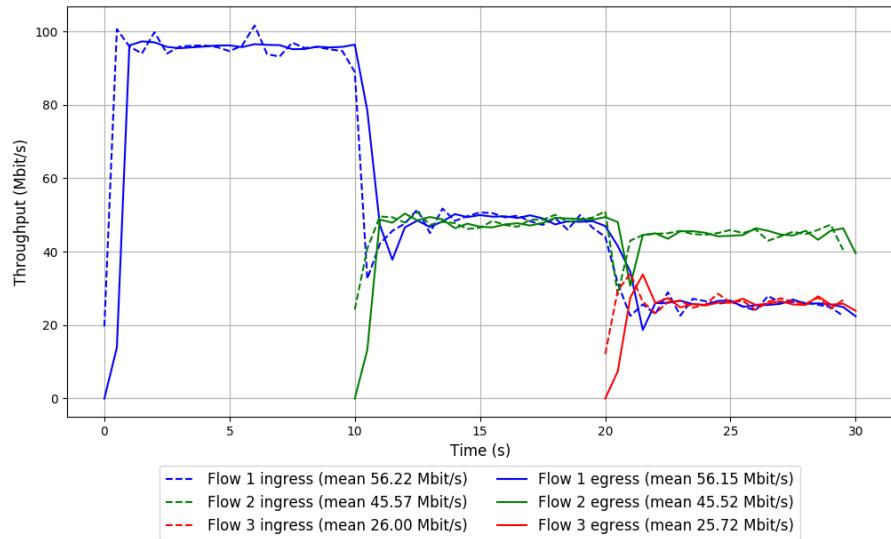


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-10-03 16:27:11
End at: 2019-10-03 16:27:41
Local clock offset: 0.123 ms
Remote clock offset: 6.522 ms

# Below is generated by plot.py at 2019-10-03 16:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 109.110 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 123.625 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 63.849 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 138.428 ms
Loss rate: 1.74%
```

Run 5: Report of FillP-Sheep — Data Link

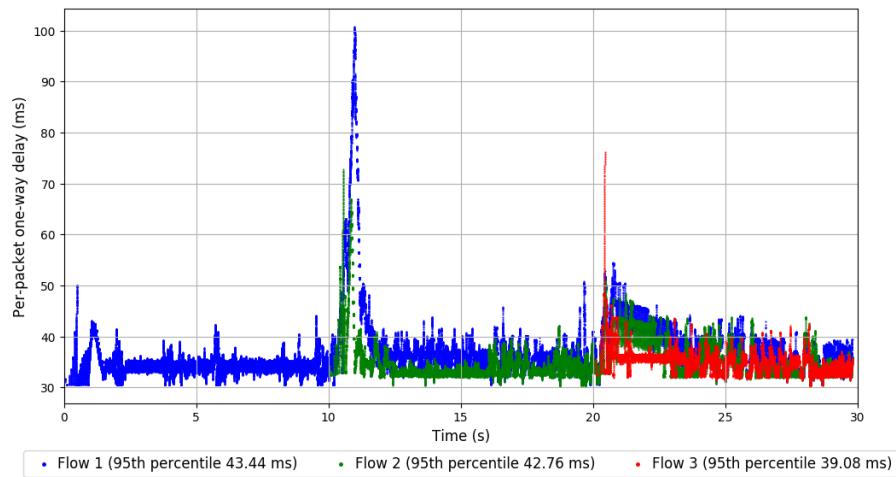
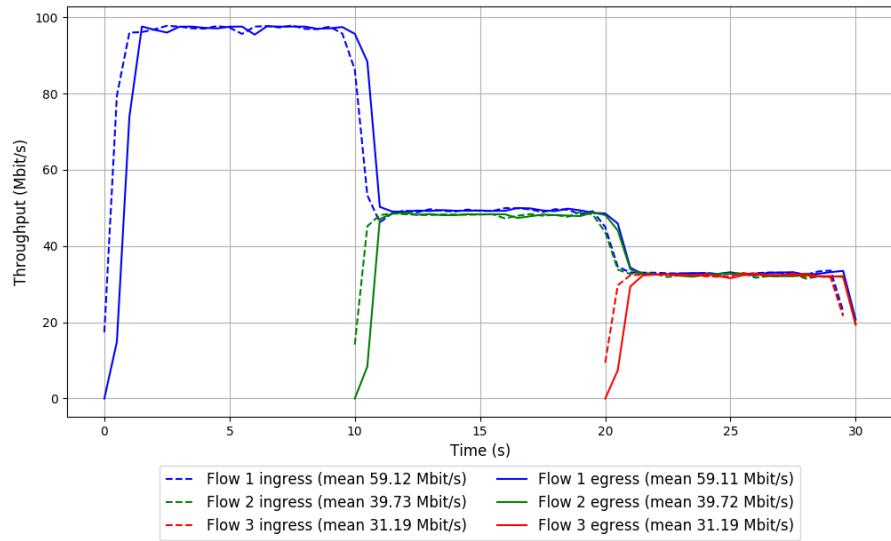


Run 1: Statistics of Indigo

```
Start at: 2019-10-03 11:44:23
End at: 2019-10-03 11:44:53
Local clock offset: 0.356 ms
Remote clock offset: 7.841 ms

# Below is generated by plot.py at 2019-10-03 16:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 42.858 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 43.438 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 42.756 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 39.080 ms
Loss rate: 0.70%
```

Run 1: Report of Indigo — Data Link

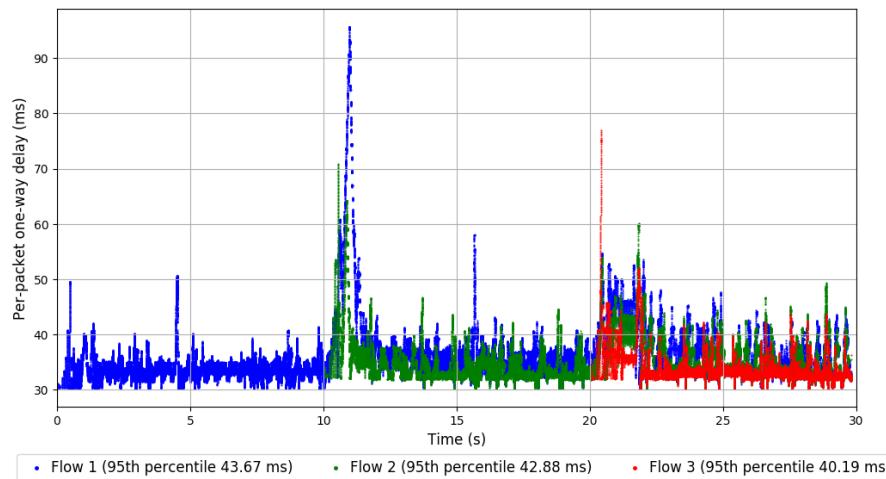
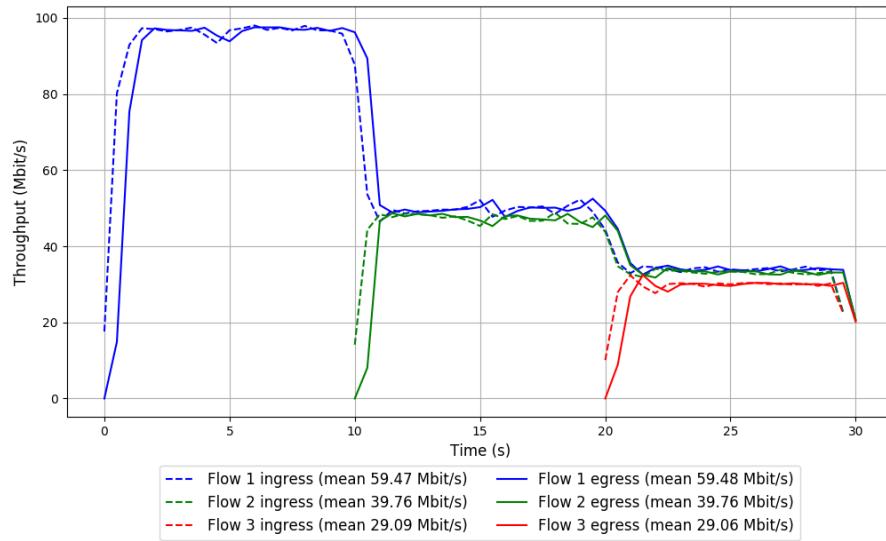


Run 2: Statistics of Indigo

```
Start at: 2019-10-03 12:37:53
End at: 2019-10-03 12:38:23
Local clock offset: 0.219 ms
Remote clock offset: 7.715 ms

# Below is generated by plot.py at 2019-10-03 16:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 42.970 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 43.668 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 42.883 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 40.189 ms
Loss rate: 0.74%
```

Run 2: Report of Indigo — Data Link

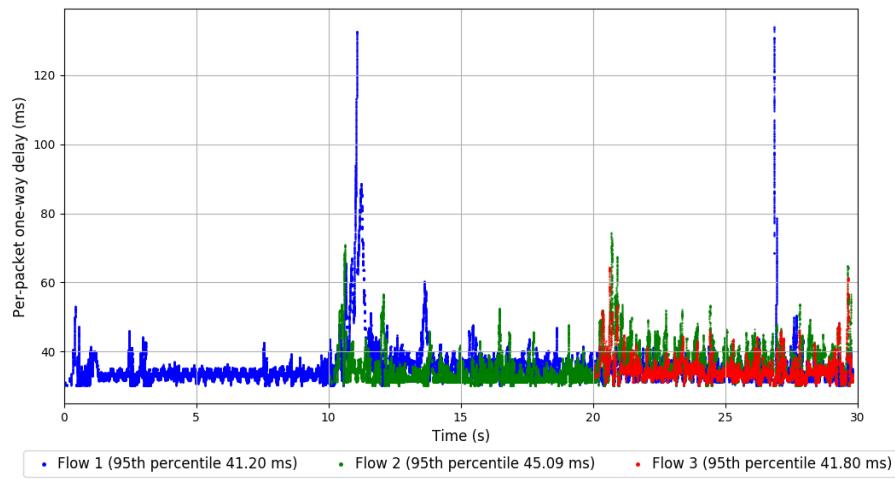
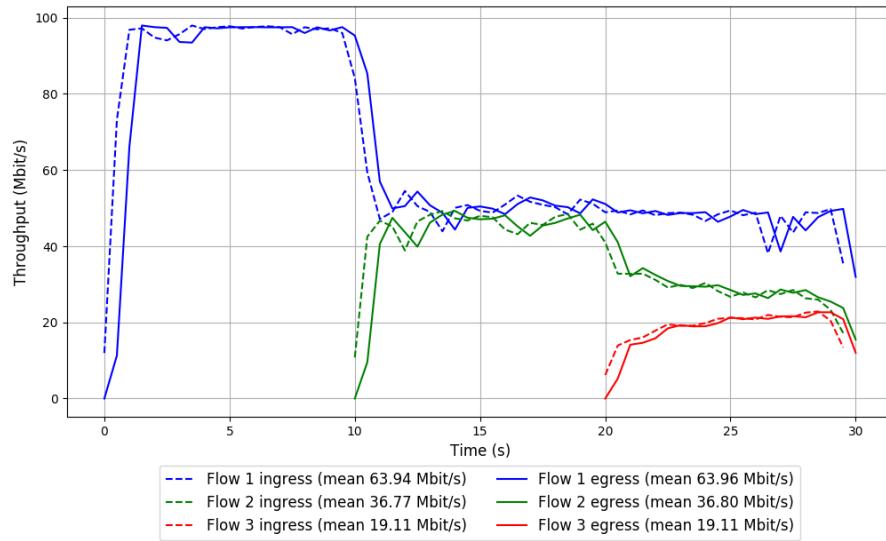


Run 3: Statistics of Indigo

```
Start at: 2019-10-03 13:41:44
End at: 2019-10-03 13:42:14
Local clock offset: -0.093 ms
Remote clock offset: 7.592 ms

# Below is generated by plot.py at 2019-10-03 16:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 42.809 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 41.205 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 45.095 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 41.795 ms
Loss rate: 0.70%
```

Run 3: Report of Indigo — Data Link

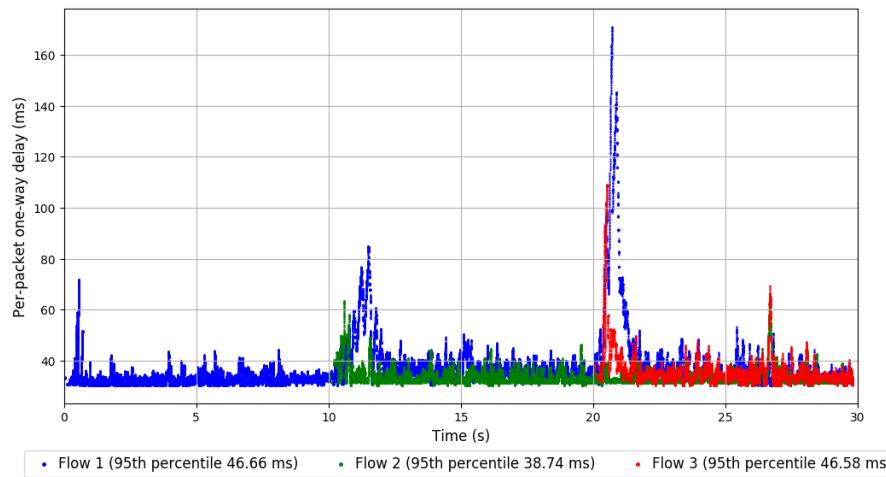
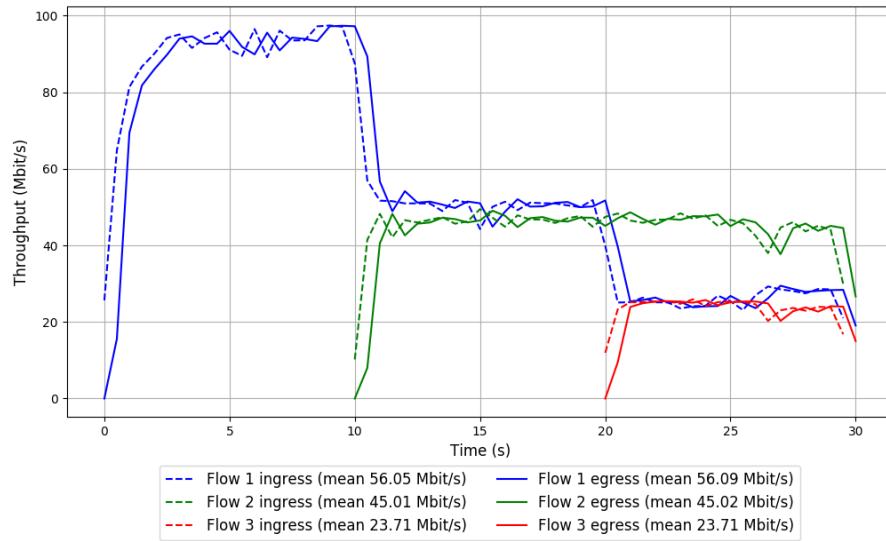


Run 4: Statistics of Indigo

```
Start at: 2019-10-03 15:04:01
End at: 2019-10-03 15:04:31
Local clock offset: 0.013 ms
Remote clock offset: 7.297 ms

# Below is generated by plot.py at 2019-10-03 16:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 43.955 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 46.663 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 38.745 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 46.584 ms
Loss rate: 0.70%
```

Run 4: Report of Indigo — Data Link

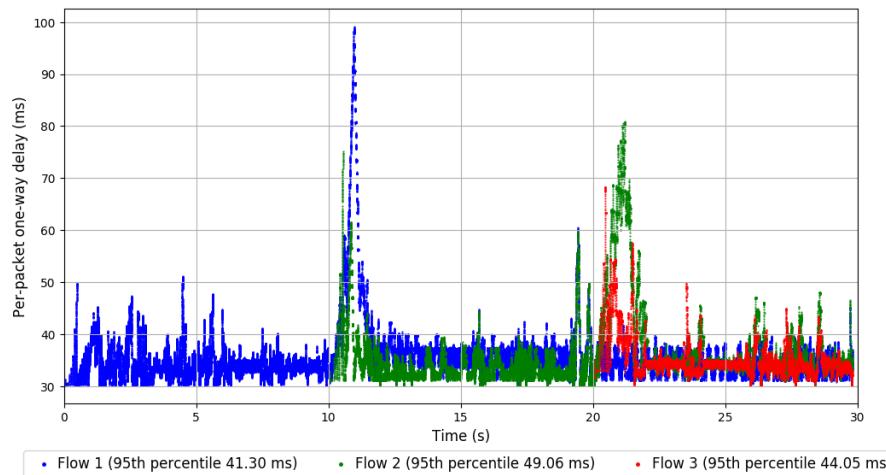
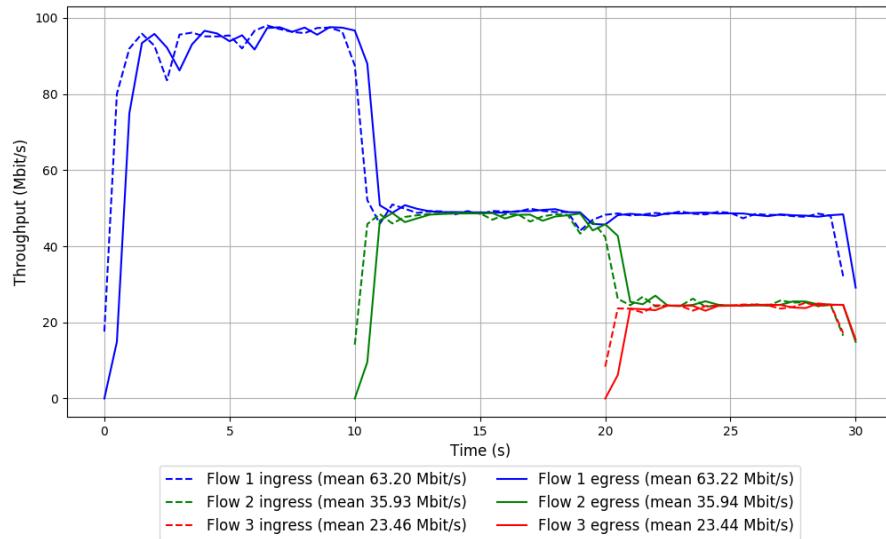


Run 5: Statistics of Indigo

```
Start at: 2019-10-03 16:18:59
End at: 2019-10-03 16:19:29
Local clock offset: 0.006 ms
Remote clock offset: 6.616 ms

# Below is generated by plot.py at 2019-10-03 16:36:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 43.207 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 41.305 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 49.063 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 44.049 ms
Loss rate: 0.75%
```

Run 5: Report of Indigo — Data Link

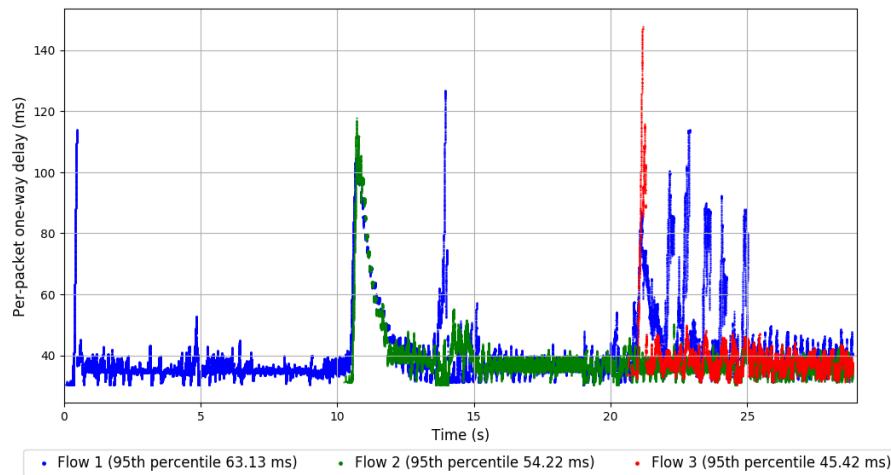
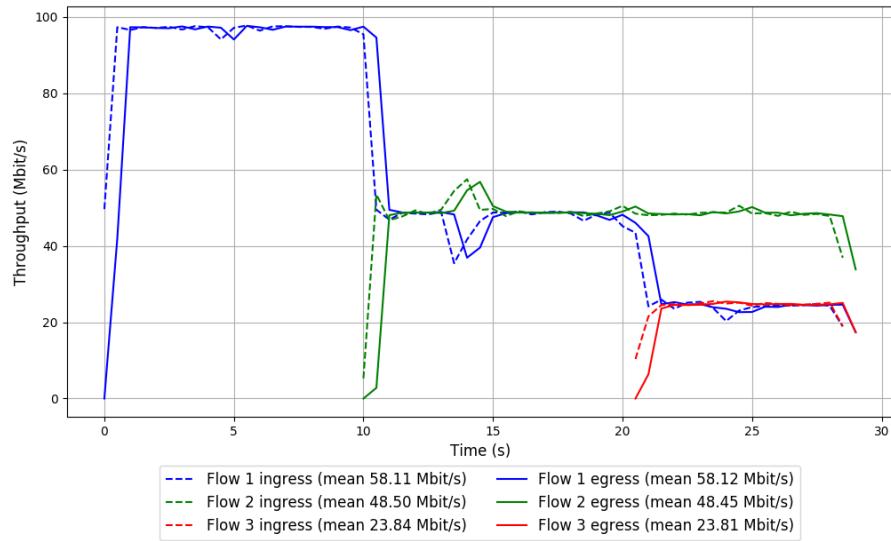


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 11:29:16
End at: 2019-10-03 11:29:46
Local clock offset: 0.377 ms
Remote clock offset: 7.546 ms

# Below is generated by plot.py at 2019-10-03 16:36:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 58.584 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 63.131 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 54.218 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 45.418 ms
Loss rate: 0.96%
```

Run 1: Report of Indigo-MusesC3 — Data Link

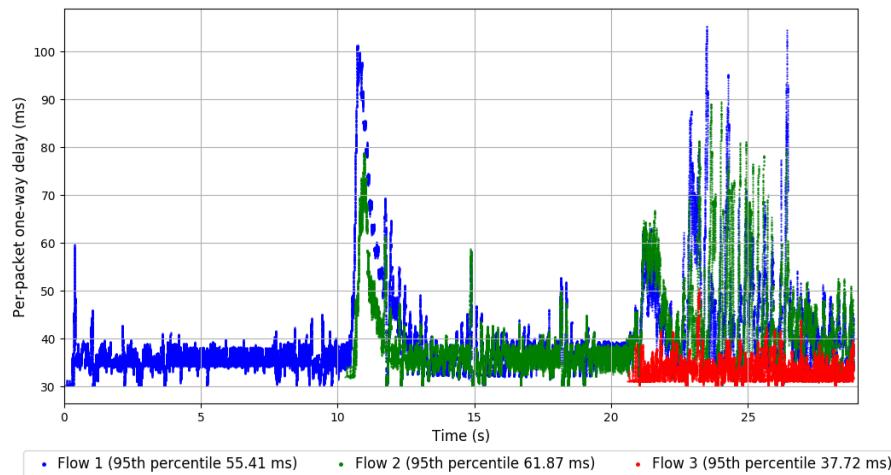
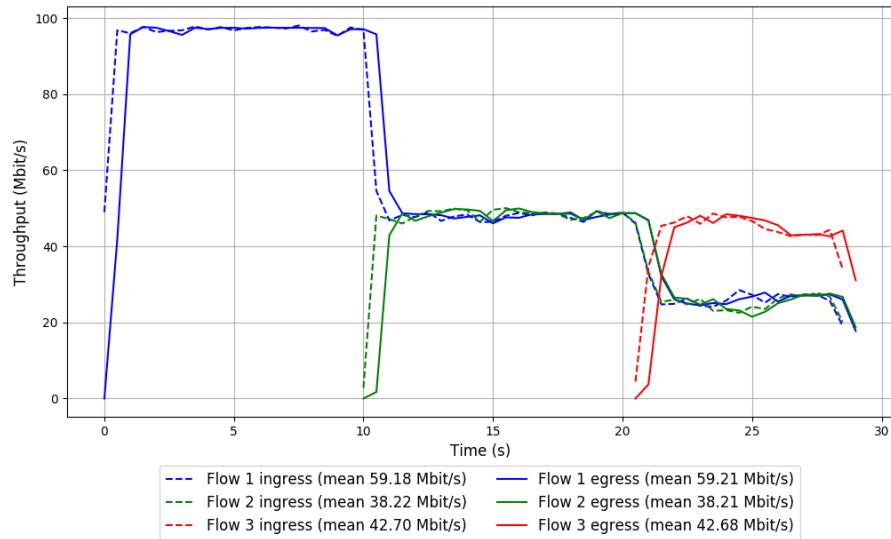


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 12:21:02
End at: 2019-10-03 12:21:32
Local clock offset: 0.264 ms
Remote clock offset: 7.935 ms

# Below is generated by plot.py at 2019-10-03 16:36:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 56.439 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 55.407 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 61.874 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 37.716 ms
Loss rate: 0.82%
```

Run 2: Report of Indigo-MusesC3 — Data Link

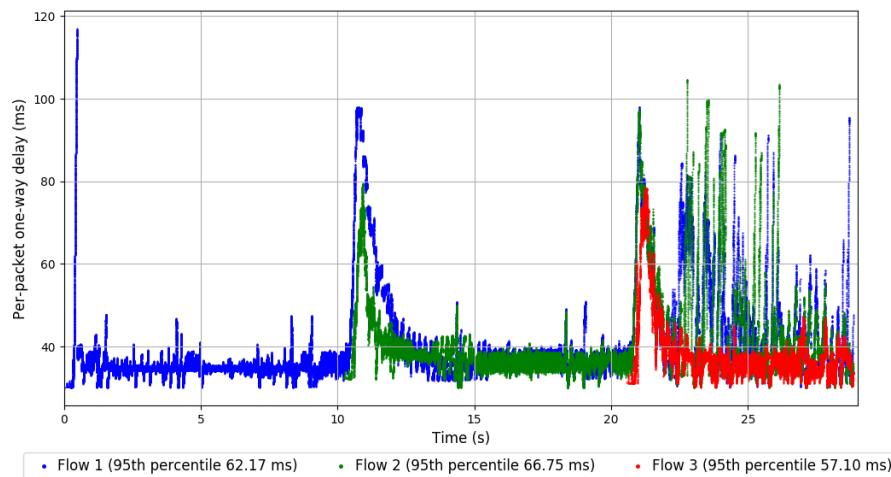
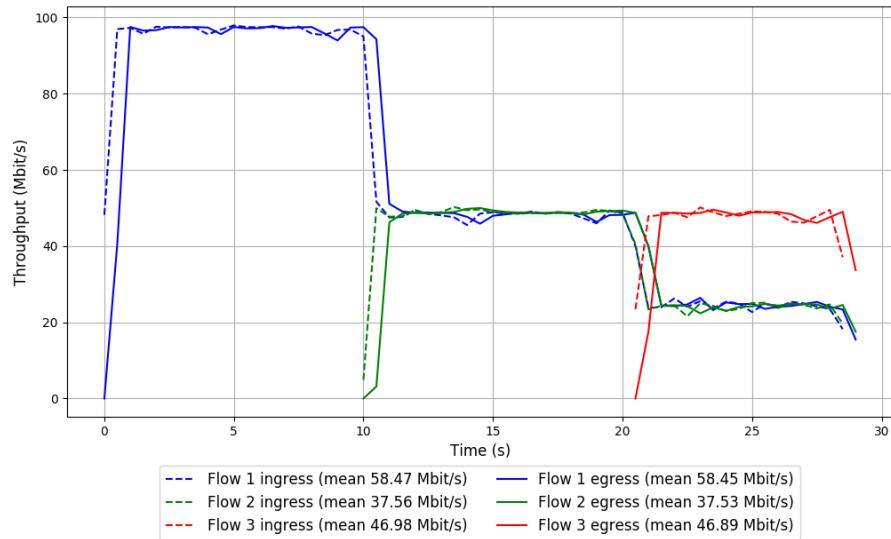


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 13:19:51
End at: 2019-10-03 13:20:21
Local clock offset: 0.063 ms
Remote clock offset: 7.678 ms

# Below is generated by plot.py at 2019-10-03 16:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 63.183 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 62.166 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 66.751 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 57.104 ms
Loss rate: 1.00%
```

Run 3: Report of Indigo-MusesC3 — Data Link

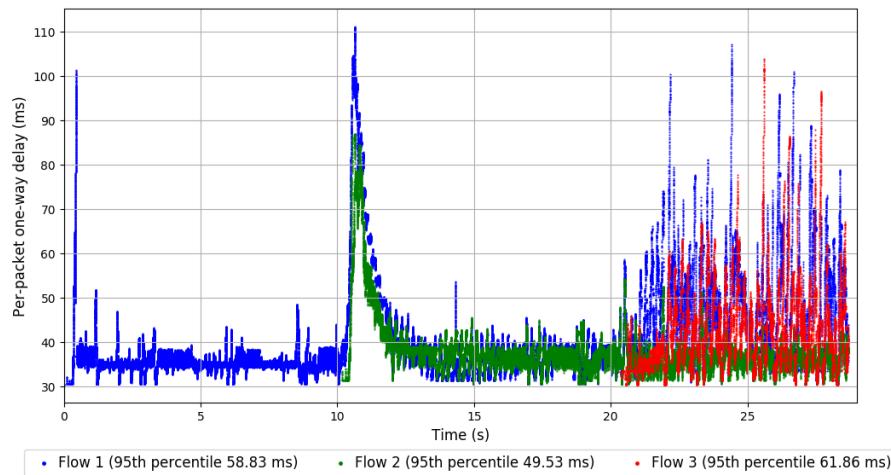
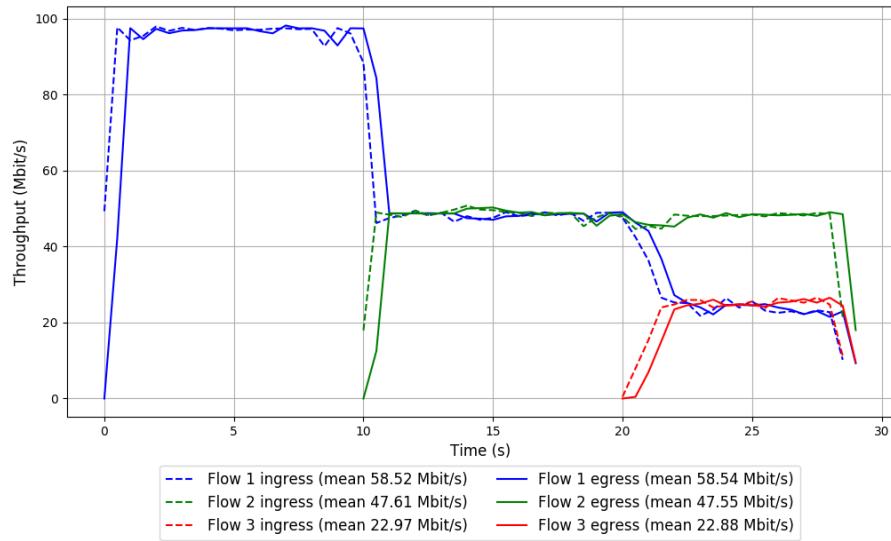


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 14:35:58
End at: 2019-10-03 14:36:28
Local clock offset: 0.037 ms
Remote clock offset: 7.558 ms

# Below is generated by plot.py at 2019-10-03 16:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 57.176 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 58.827 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 49.534 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 61.864 ms
Loss rate: 1.20%
```

Run 4: Report of Indigo-MusesC3 — Data Link

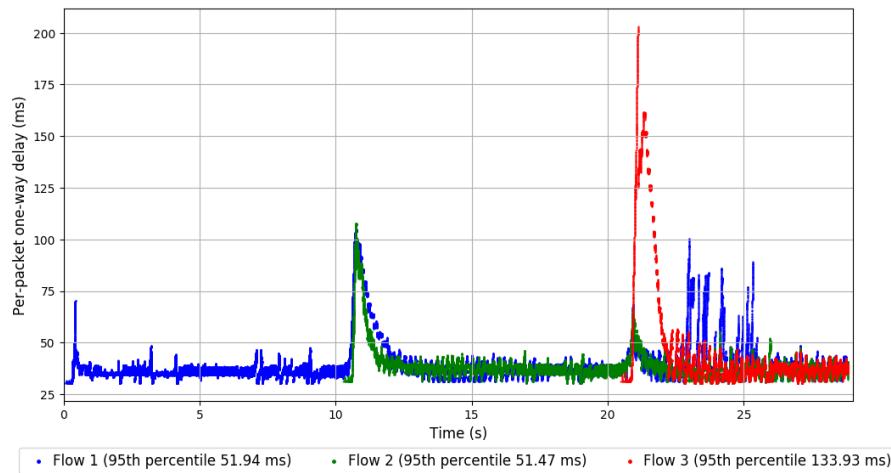
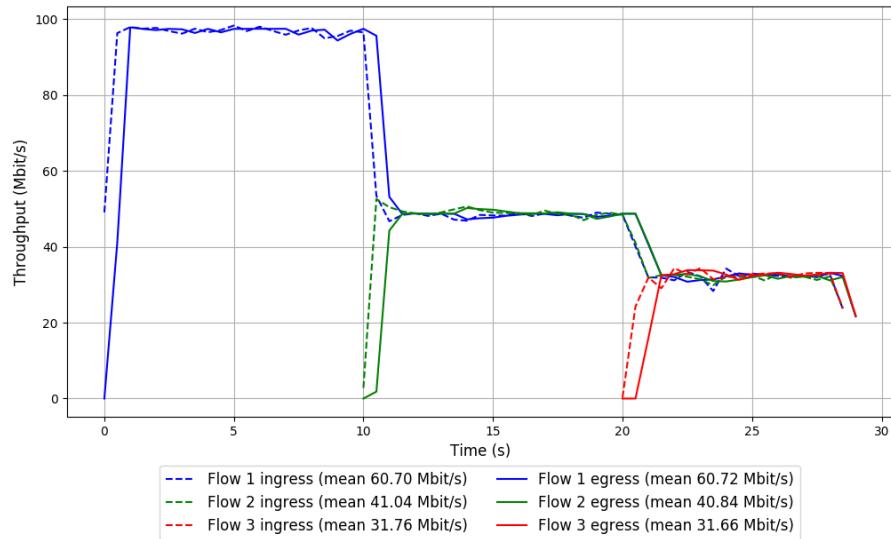


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 15:59:01
End at: 2019-10-03 15:59:31
Local clock offset: -0.039 ms
Remote clock offset: 6.7 ms

# Below is generated by plot.py at 2019-10-03 16:36:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 55.339 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 51.941 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 51.474 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 133.929 ms
Loss rate: 1.08%
```

Run 5: Report of Indigo-MusesC3 — Data Link

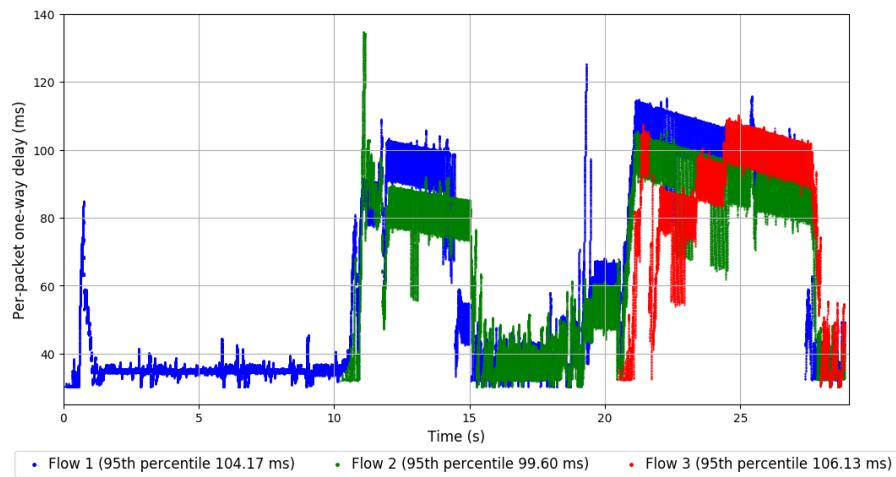
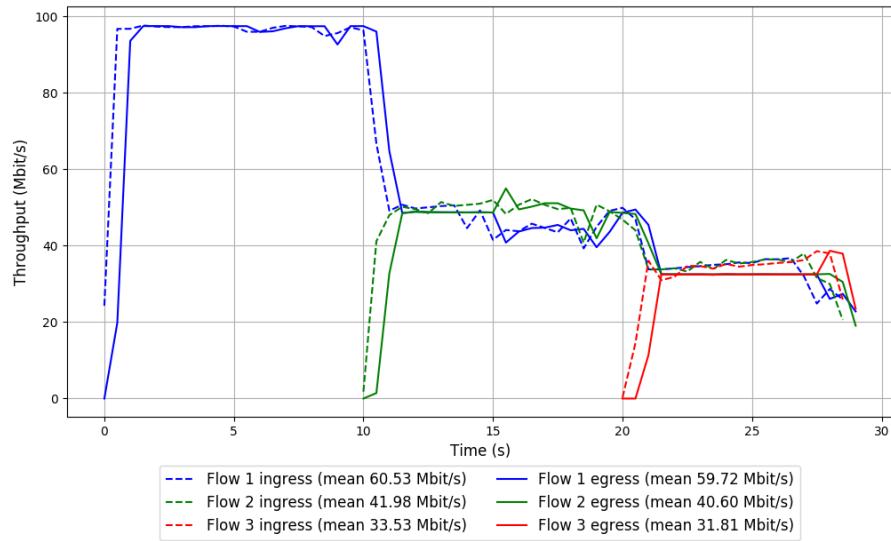


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 11:31:46
End at: 2019-10-03 11:32:16
Local clock offset: 0.354 ms
Remote clock offset: 7.751 ms

# Below is generated by plot.py at 2019-10-03 16:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 103.633 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 104.165 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 99.602 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 106.128 ms
Loss rate: 5.82%
```

Run 1: Report of Indigo-MusesC5 — Data Link

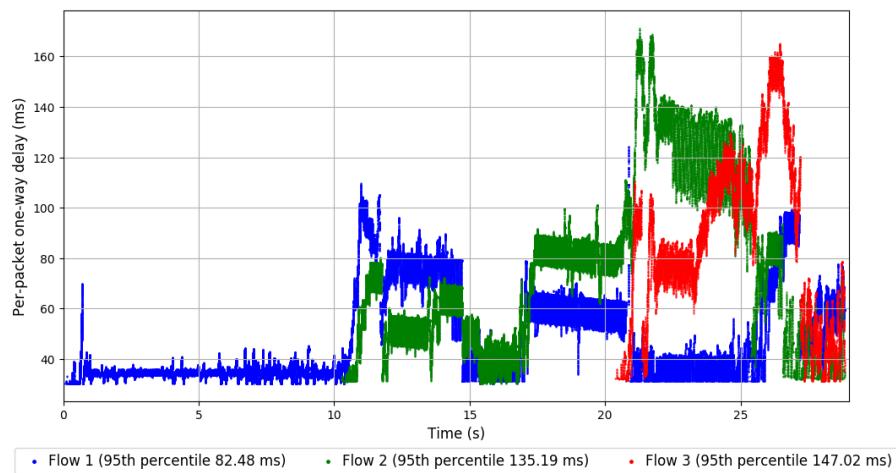
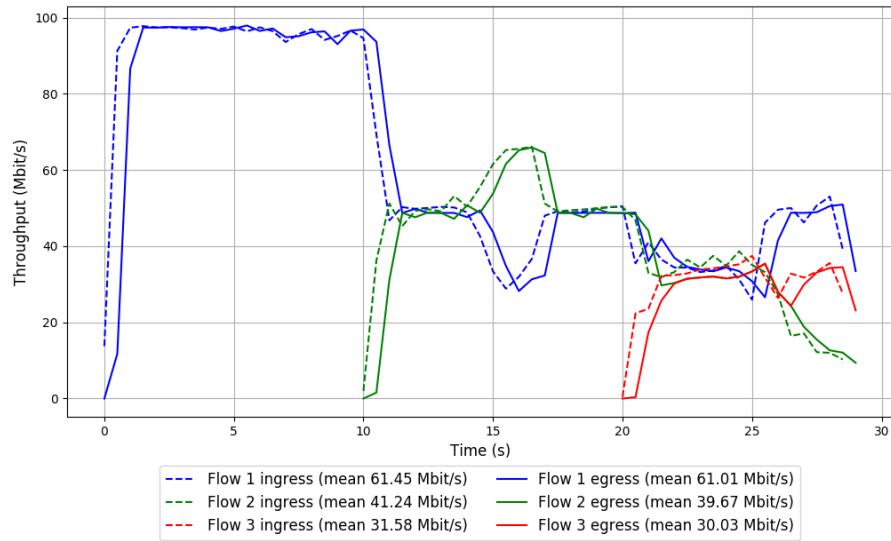


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 12:23:38
End at: 2019-10-03 12:24:08
Local clock offset: 0.28 ms
Remote clock offset: 8.021 ms

# Below is generated by plot.py at 2019-10-03 16:37:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 117.359 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 82.477 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 135.189 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 147.020 ms
Loss rate: 5.58%
```

Run 2: Report of Indigo-MusesC5 — Data Link

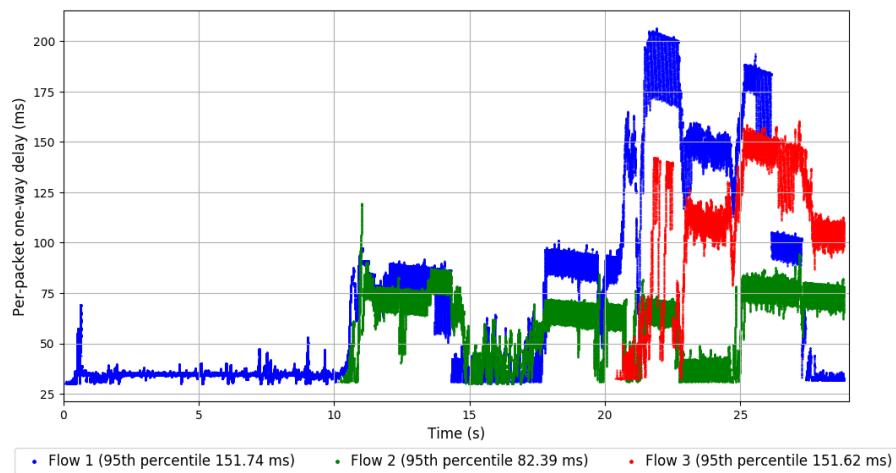
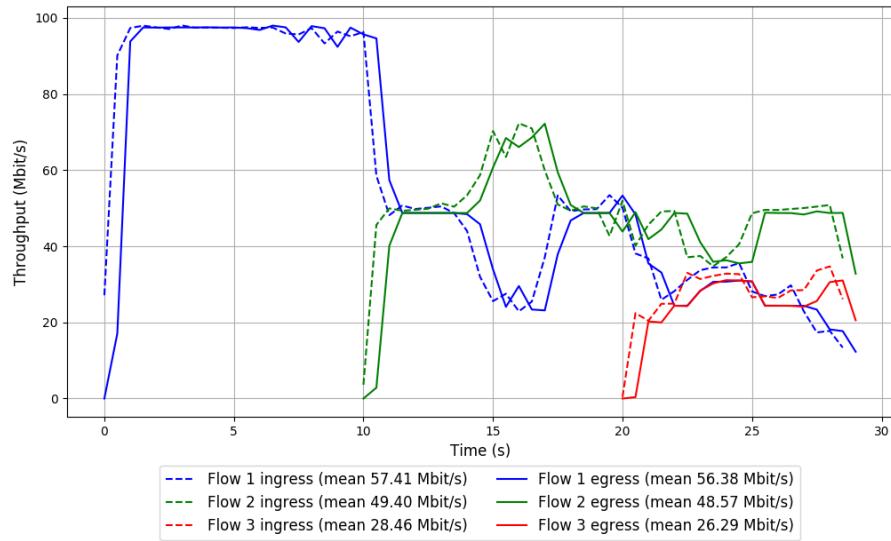


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 13:22:33
End at: 2019-10-03 13:23:03
Local clock offset: 0.068 ms
Remote clock offset: 7.676 ms

# Below is generated by plot.py at 2019-10-03 16:37:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 146.088 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 151.735 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 48.57 Mbit/s
95th percentile per-packet one-way delay: 82.390 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 151.620 ms
Loss rate: 8.35%
```

Run 3: Report of Indigo-MusesC5 — Data Link

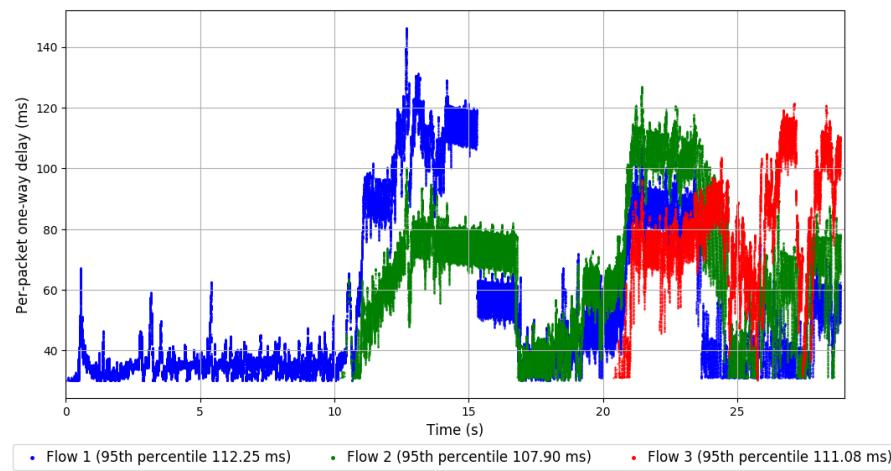
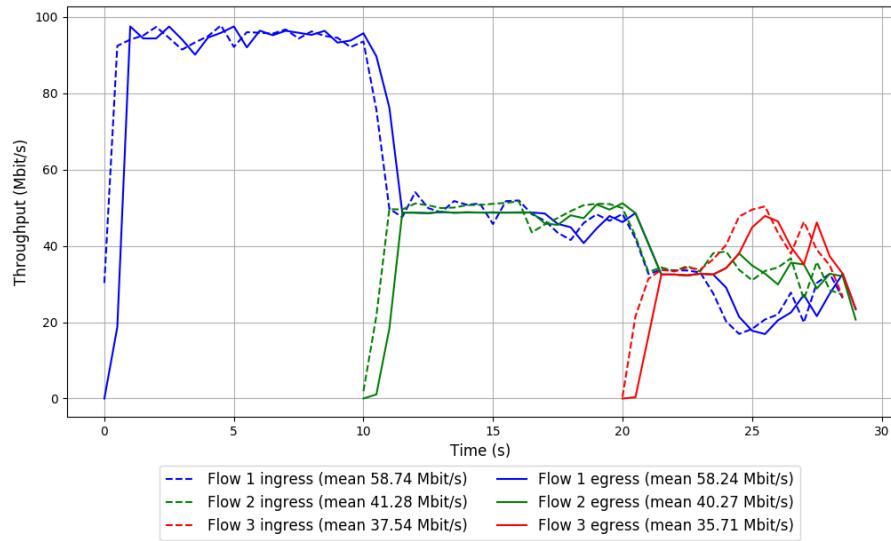


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 14:39:33
End at: 2019-10-03 14:40:03
Local clock offset: 0.026 ms
Remote clock offset: 7.789 ms

# Below is generated by plot.py at 2019-10-03 16:37:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 110.430 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 107.896 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 111.078 ms
Loss rate: 5.60%
```

Run 4: Report of Indigo-MusesC5 — Data Link

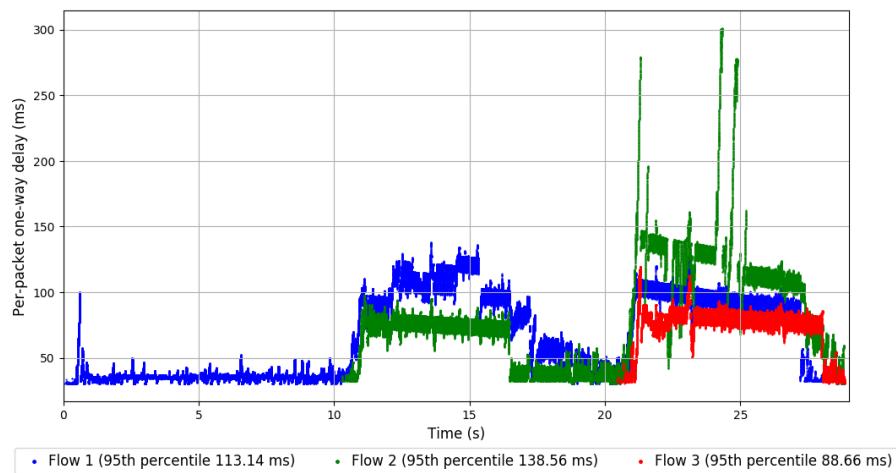
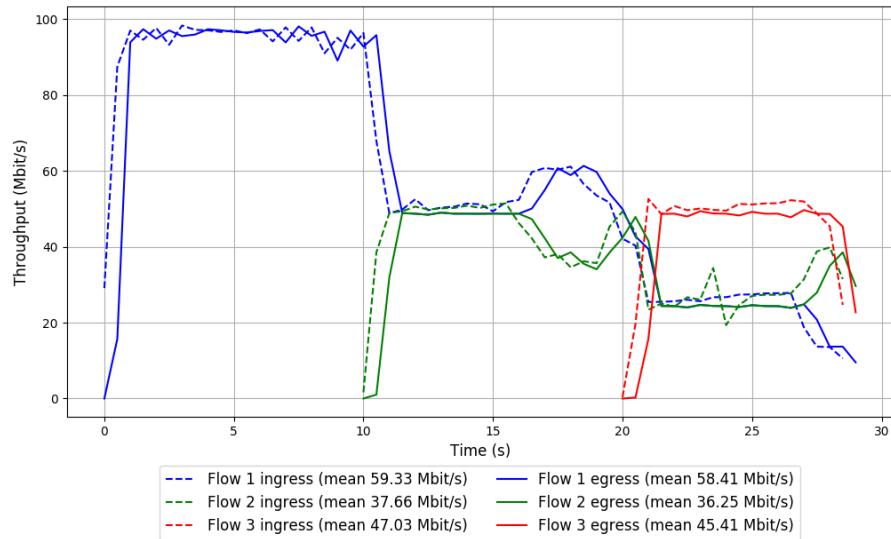


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 16:01:22
End at: 2019-10-03 16:01:52
Local clock offset: 0.008 ms
Remote clock offset: 6.617 ms

# Below is generated by plot.py at 2019-10-03 16:37:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 118.039 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 113.138 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 138.555 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 88.656 ms
Loss rate: 4.18%
```

Run 5: Report of Indigo-MusesC5 — Data Link

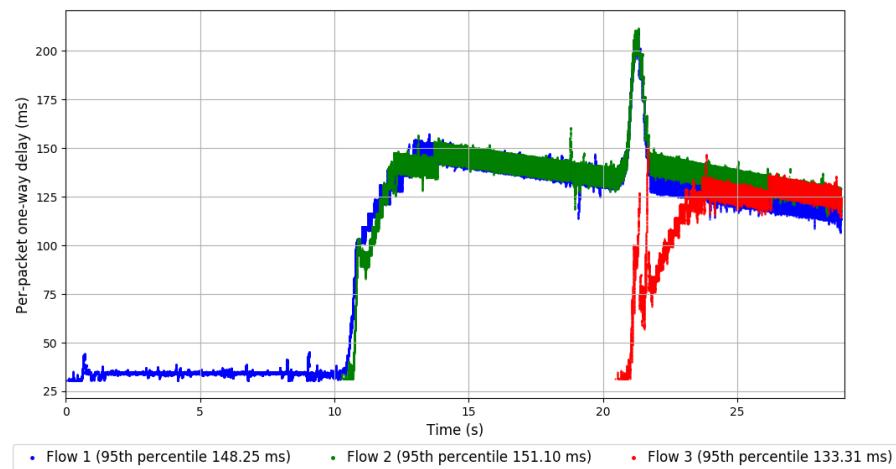
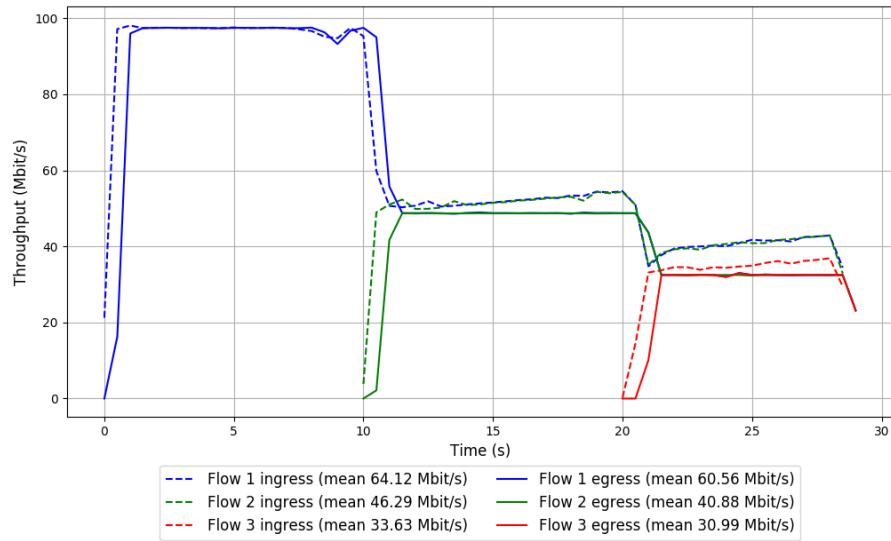


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 11:24:35
End at: 2019-10-03 11:25:05
Local clock offset: 0.407 ms
Remote clock offset: 7.292 ms

# Below is generated by plot.py at 2019-10-03 16:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 148.985 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 148.251 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 151.099 ms
Loss rate: 11.98%
-- Flow 3:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 133.315 ms
Loss rate: 8.54%
```

Run 1: Report of Indigo-MusesD — Data Link

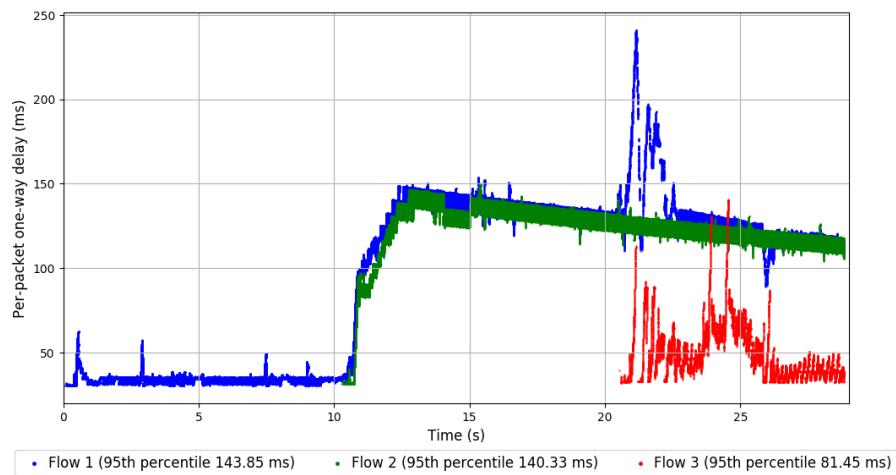
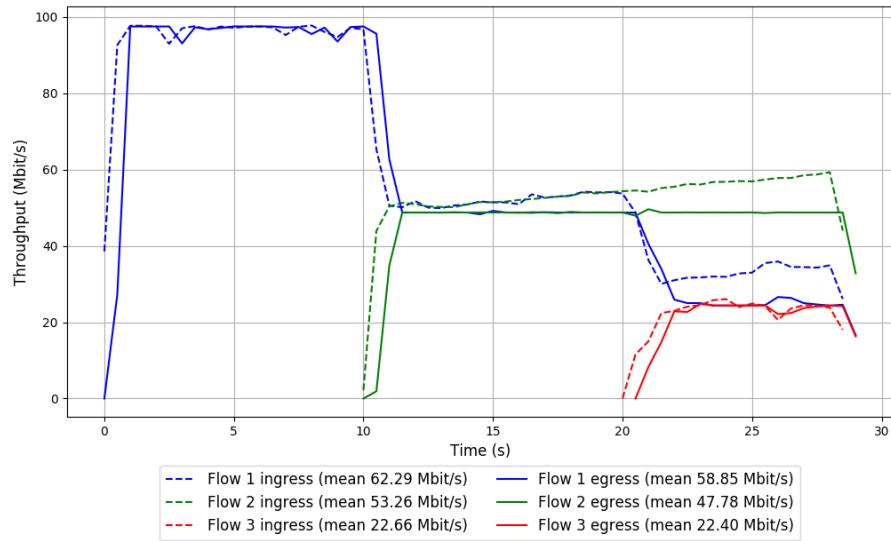


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 12:15:42
End at: 2019-10-03 12:16:12
Local clock offset: 0.297 ms
Remote clock offset: 7.769 ms

# Below is generated by plot.py at 2019-10-03 16:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 142.330 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 143.847 ms
Loss rate: 5.72%
-- Flow 2:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 140.330 ms
Loss rate: 10.60%
-- Flow 3:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 81.452 ms
Loss rate: 2.02%
```

Run 2: Report of Indigo-MusesD — Data Link

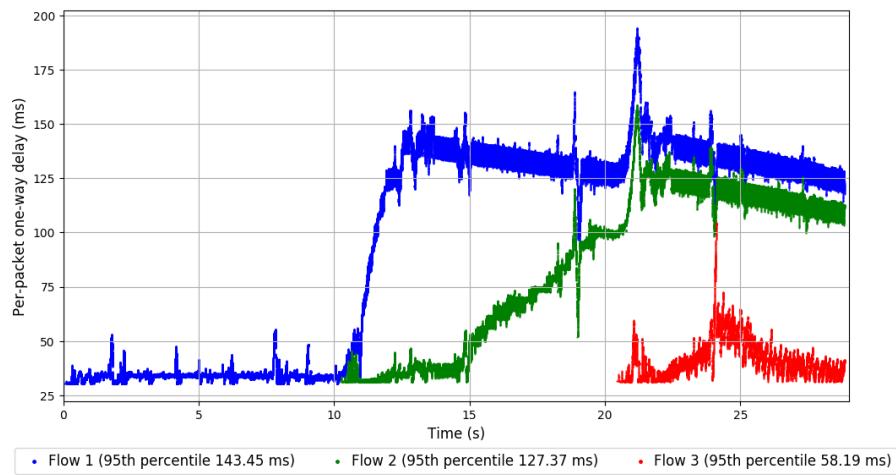
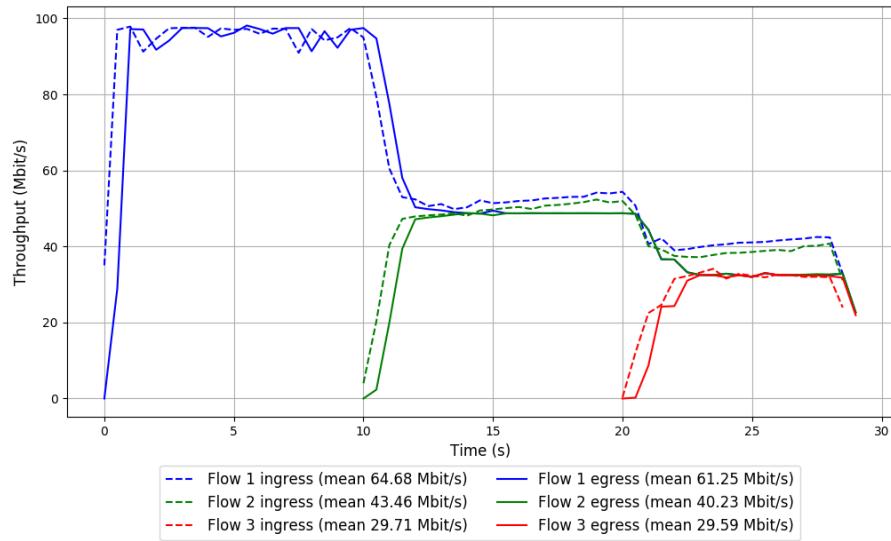


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 13:13:32
End at: 2019-10-03 13:14:02
Local clock offset: 0.121 ms
Remote clock offset: 7.454 ms

# Below is generated by plot.py at 2019-10-03 16:38:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 141.240 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 143.449 ms
Loss rate: 5.50%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 127.369 ms
Loss rate: 7.74%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 58.190 ms
Loss rate: 1.17%
```

Run 3: Report of Indigo-MusesD — Data Link

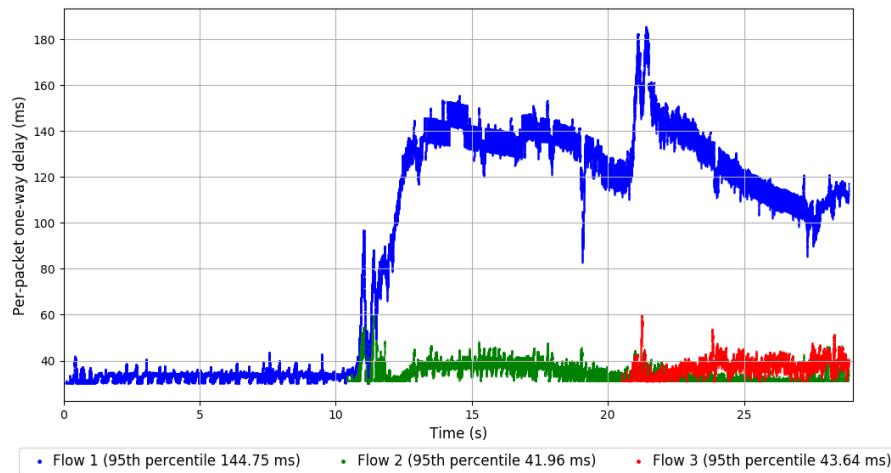
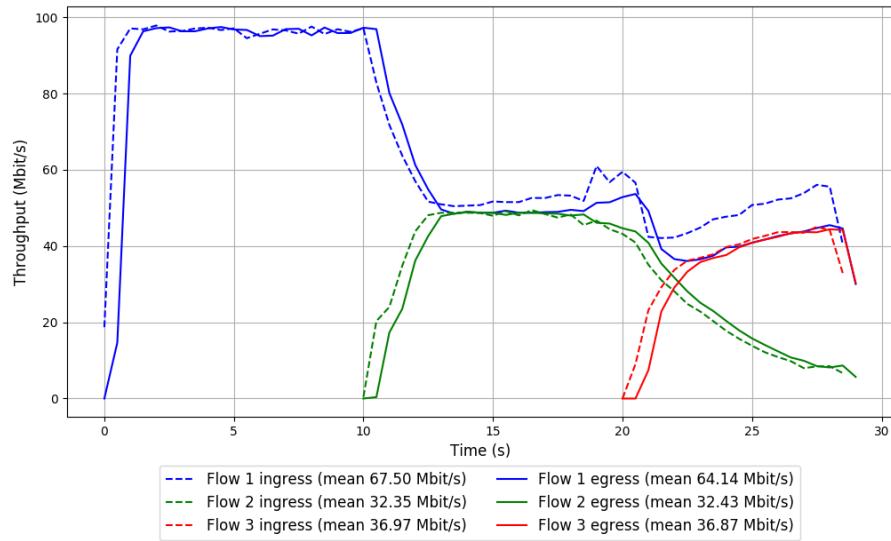


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 14:29:36
End at: 2019-10-03 14:30:06
Local clock offset: 0.013 ms
Remote clock offset: 7.68 ms

# Below is generated by plot.py at 2019-10-03 16:38:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 142.445 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 144.755 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 41.961 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 43.637 ms
Loss rate: 1.03%
```

Run 4: Report of Indigo-MusesD — Data Link

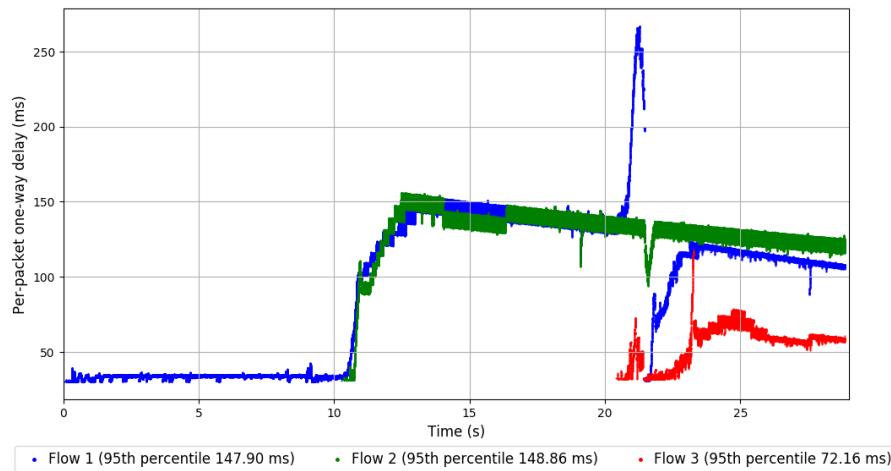
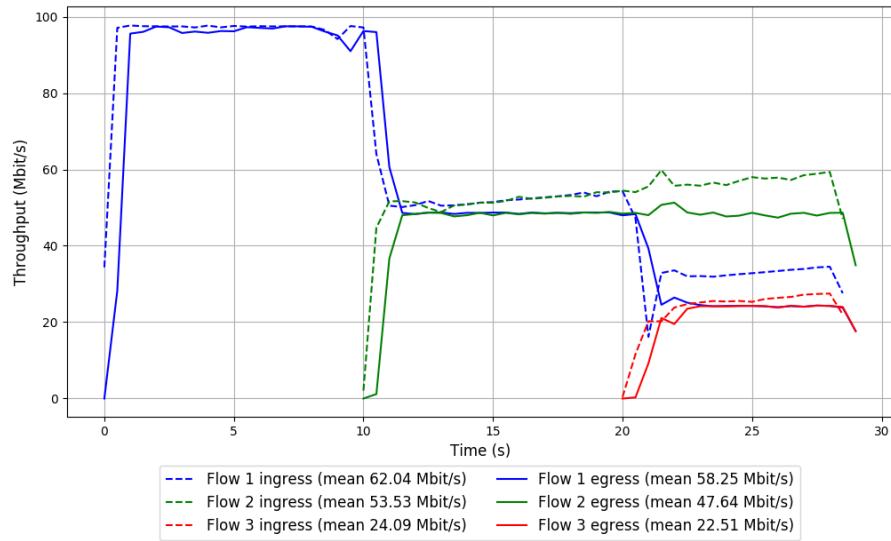


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 15:52:34
End at: 2019-10-03 15:53:04
Local clock offset: -0.109 ms
Remote clock offset: 6.994 ms

# Below is generated by plot.py at 2019-10-03 16:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 147.641 ms
Loss rate: 8.05%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 147.902 ms
Loss rate: 6.32%
-- Flow 2:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 148.860 ms
Loss rate: 11.30%
-- Flow 3:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 72.159 ms
Loss rate: 7.28%
```

Run 5: Report of Indigo-MusesD — Data Link

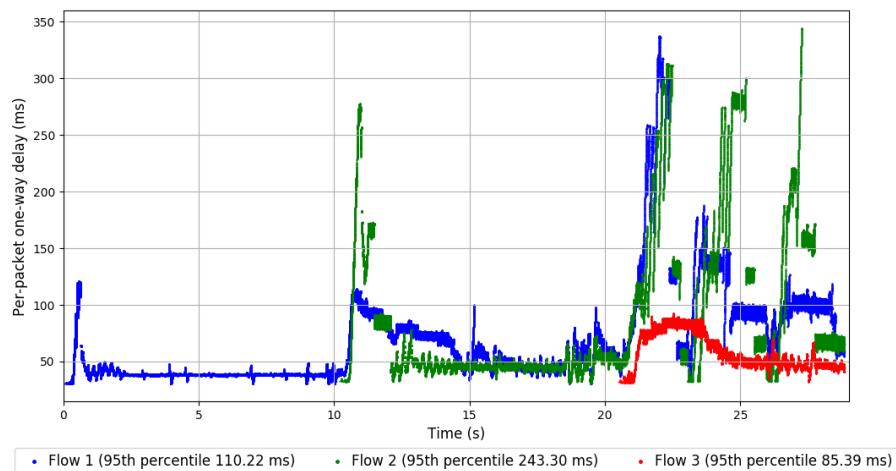
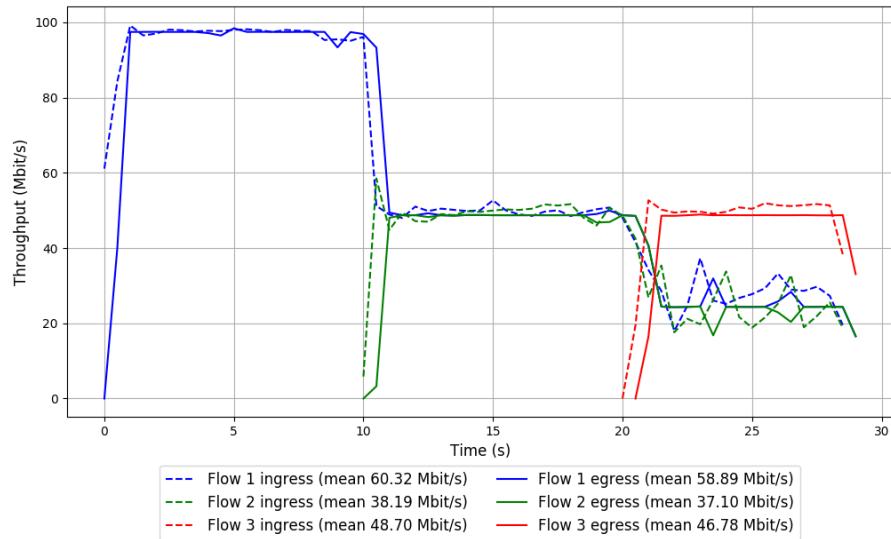


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 11:22:27
End at: 2019-10-03 11:22:57
Local clock offset: 0.416 ms
Remote clock offset: 7.266 ms

# Below is generated by plot.py at 2019-10-03 16:38:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 143.293 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 110.216 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 243.299 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 85.395 ms
Loss rate: 4.66%
```

Run 1: Report of Indigo-MusesT — Data Link

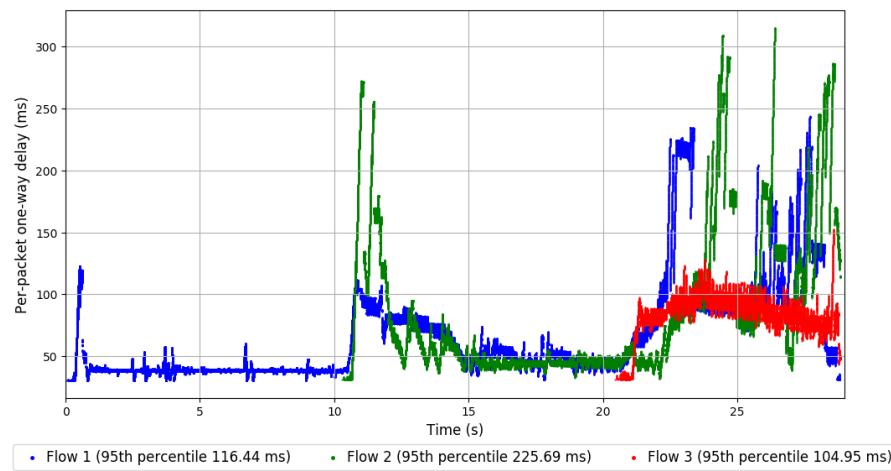
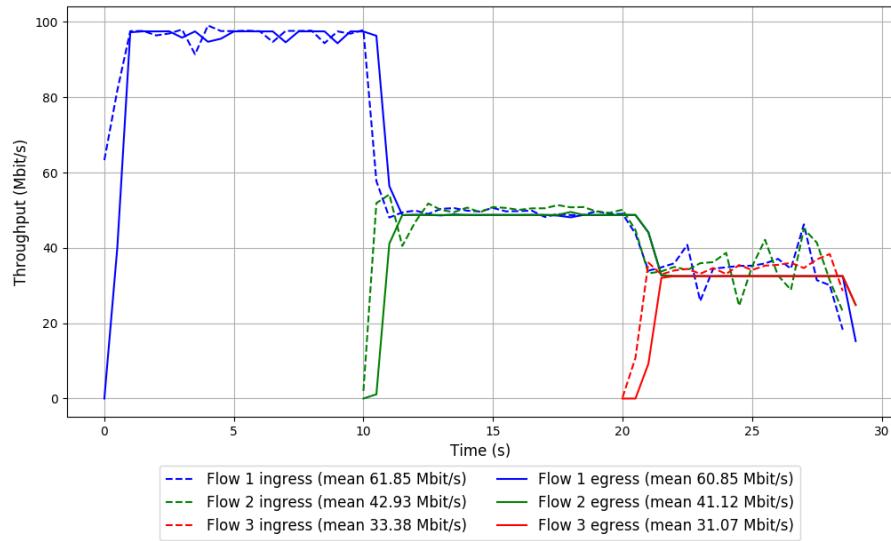


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 12:13:23
End at: 2019-10-03 12:13:53
Local clock offset: 0.299 ms
Remote clock offset: 7.766 ms

# Below is generated by plot.py at 2019-10-03 16:38:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 164.289 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 116.442 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 225.687 ms
Loss rate: 4.50%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 104.947 ms
Loss rate: 7.65%
```

Run 2: Report of Indigo-MusesT — Data Link

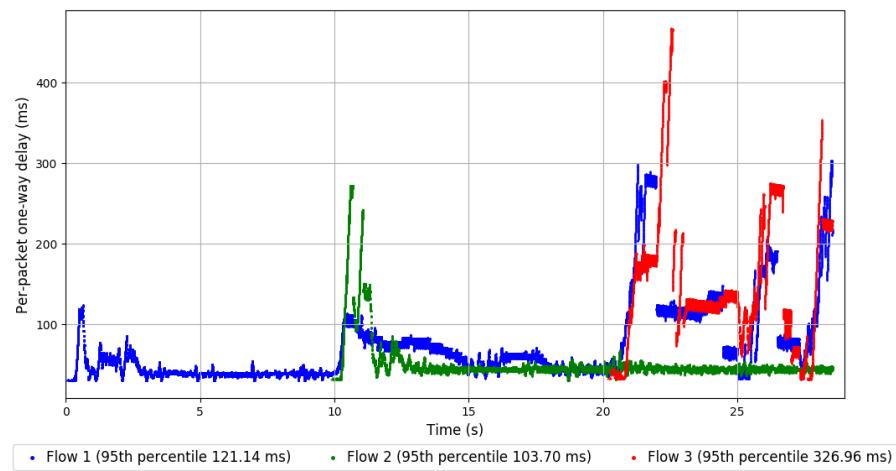
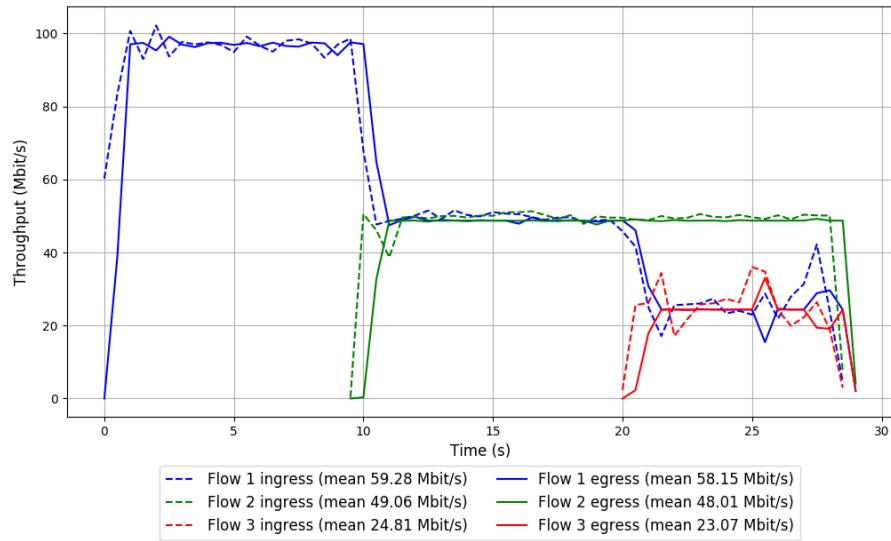


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 13:11:05
End at: 2019-10-03 13:11:35
Local clock offset: 0.117 ms
Remote clock offset: 7.392 ms

# Below is generated by plot.py at 2019-10-03 16:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 163.046 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 121.141 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 103.705 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 326.963 ms
Loss rate: 7.66%
```

Run 3: Report of Indigo-MusesT — Data Link

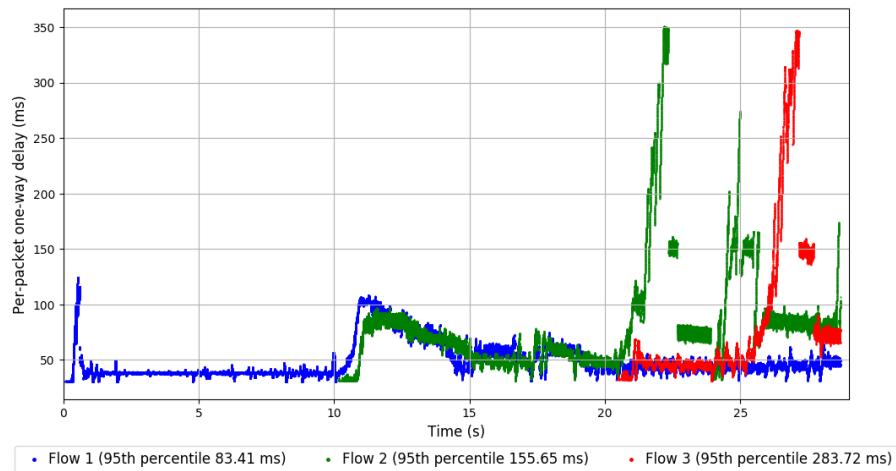
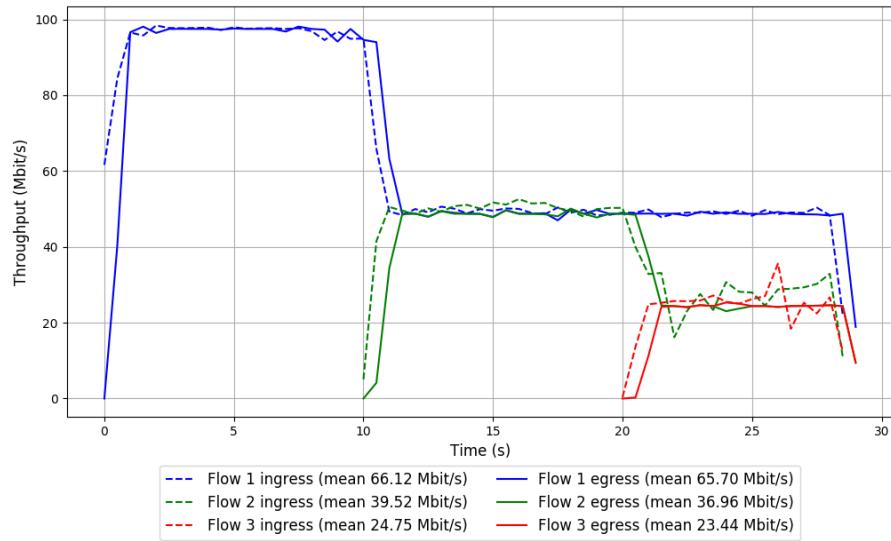


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 14:26:23
End at: 2019-10-03 14:26:53
Local clock offset: 0.073 ms
Remote clock offset: 7.605 ms

# Below is generated by plot.py at 2019-10-03 16:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 101.025 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 83.408 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 155.646 ms
Loss rate: 6.63%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 283.720 ms
Loss rate: 6.03%
```

Run 4: Report of Indigo-MusesT — Data Link

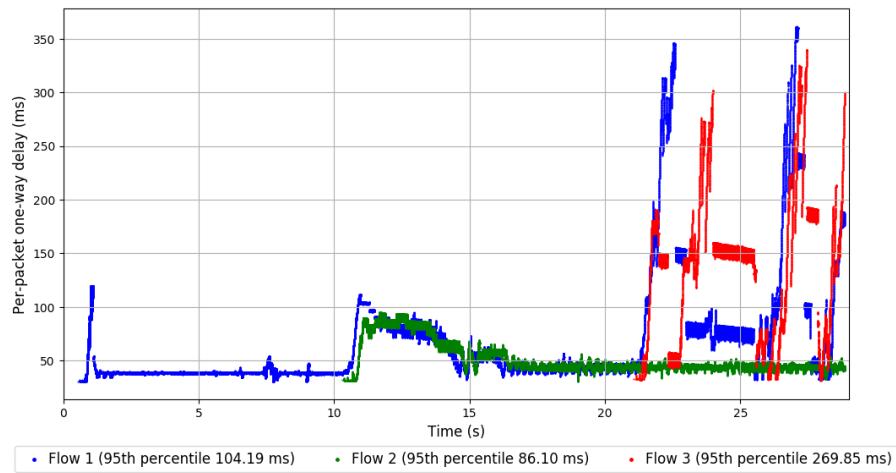
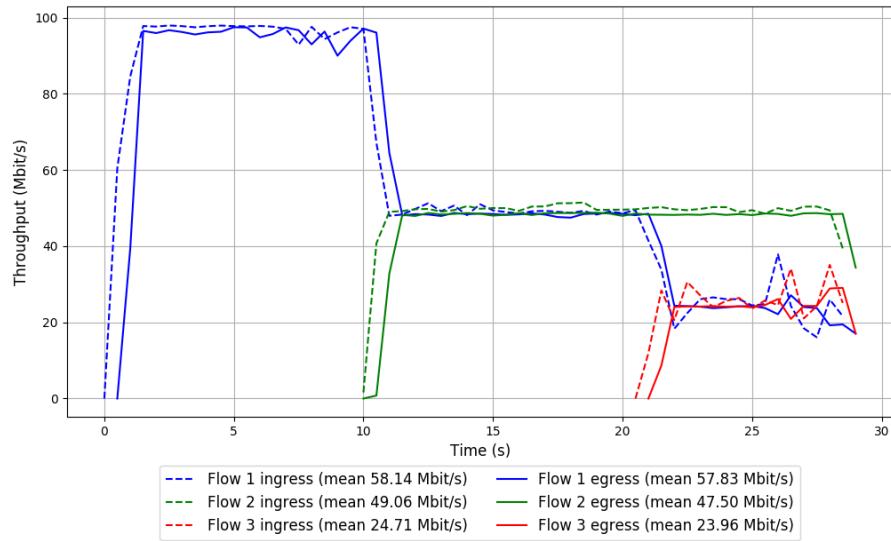


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 15:50:39
End at: 2019-10-03 15:51:09
Local clock offset: -0.095 ms
Remote clock offset: 7.052 ms

# Below is generated by plot.py at 2019-10-03 16:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 150.211 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 104.187 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 86.098 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 269.848 ms
Loss rate: 8.65%
```

Run 5: Report of Indigo-MusesT — Data Link

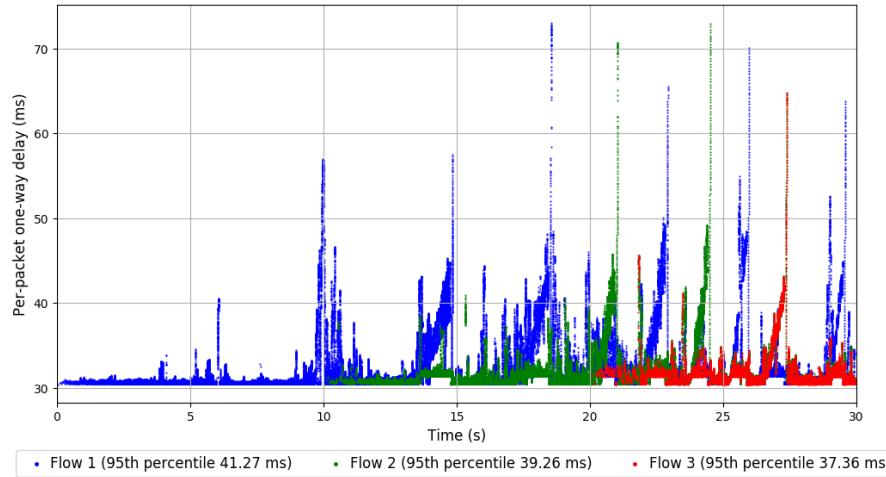
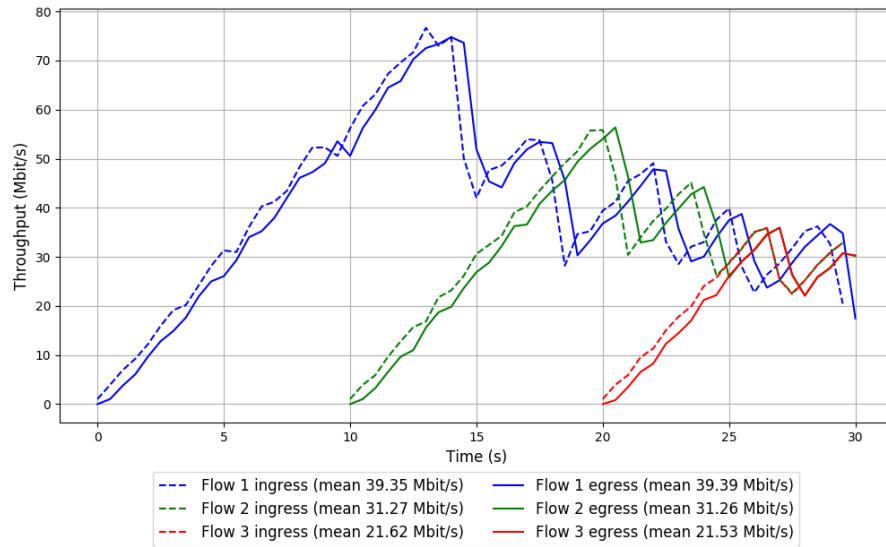


Run 1: Statistics of LEDBAT

```
Start at: 2019-10-03 11:42:19
End at: 2019-10-03 11:42:49
Local clock offset: 0.365 ms
Remote clock offset: 7.793 ms

# Below is generated by plot.py at 2019-10-03 16:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 40.200 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 41.268 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 39.262 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 37.360 ms
Loss rate: 1.06%
```

Run 1: Report of LEDBAT — Data Link

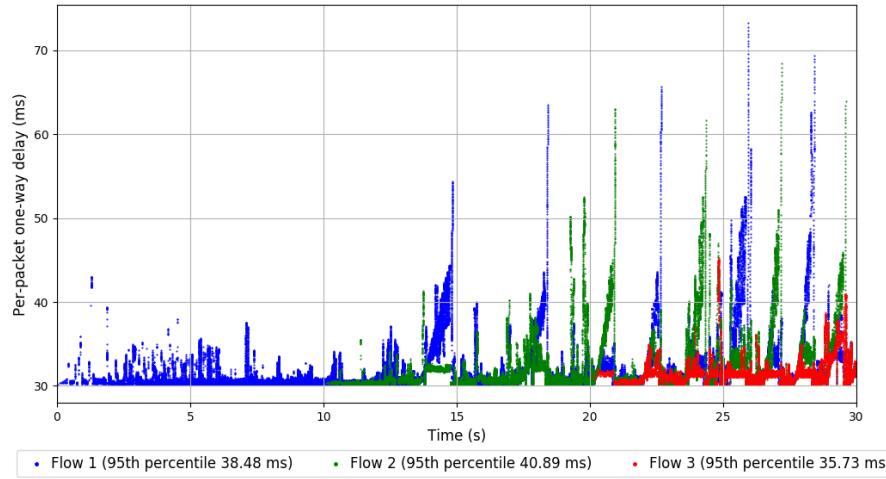
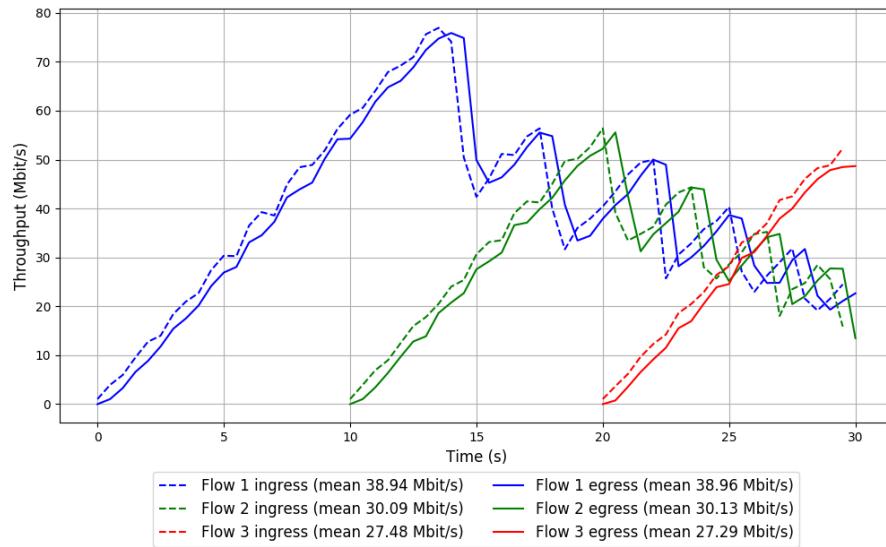


Run 2: Statistics of LEDBAT

```
Start at: 2019-10-03 12:35:52
End at: 2019-10-03 12:36:22
Local clock offset: 0.261 ms
Remote clock offset: 7.741 ms

# Below is generated by plot.py at 2019-10-03 16:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 38.940 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 38.485 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 40.888 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 35.730 ms
Loss rate: 1.31%
```

Run 2: Report of LEDBAT — Data Link

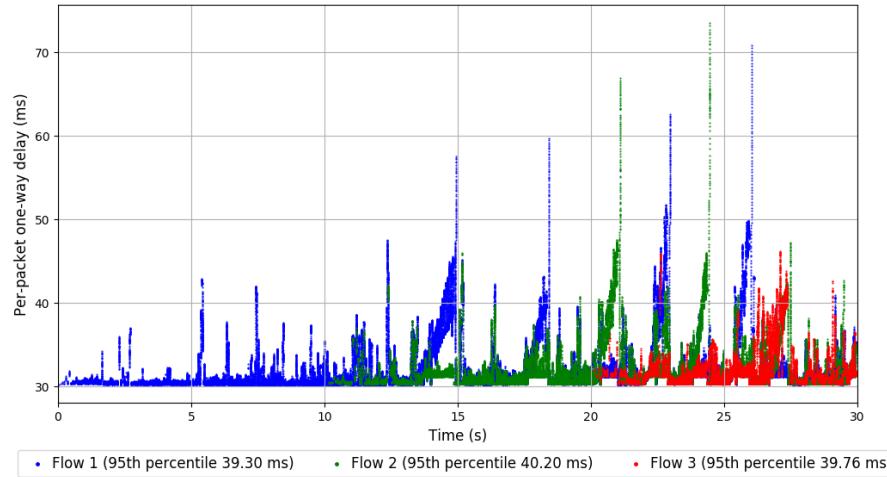
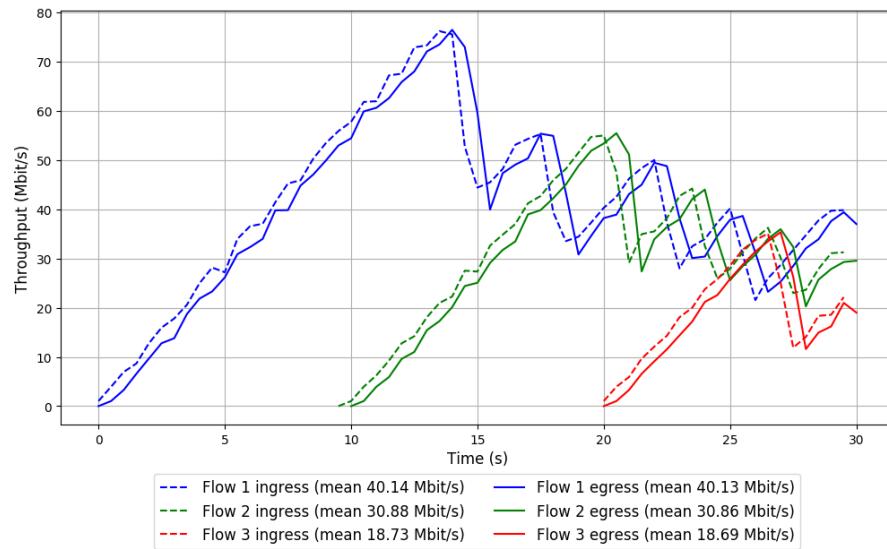


Run 3: Statistics of LEDBAT

```
Start at: 2019-10-03 13:38:44
End at: 2019-10-03 13:39:14
Local clock offset: -0.076 ms
Remote clock offset: 7.659 ms

# Below is generated by plot.py at 2019-10-03 16:39:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 39.601 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 39.303 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 40.196 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 39.758 ms
Loss rate: 0.86%
```

Run 3: Report of LEDBAT — Data Link

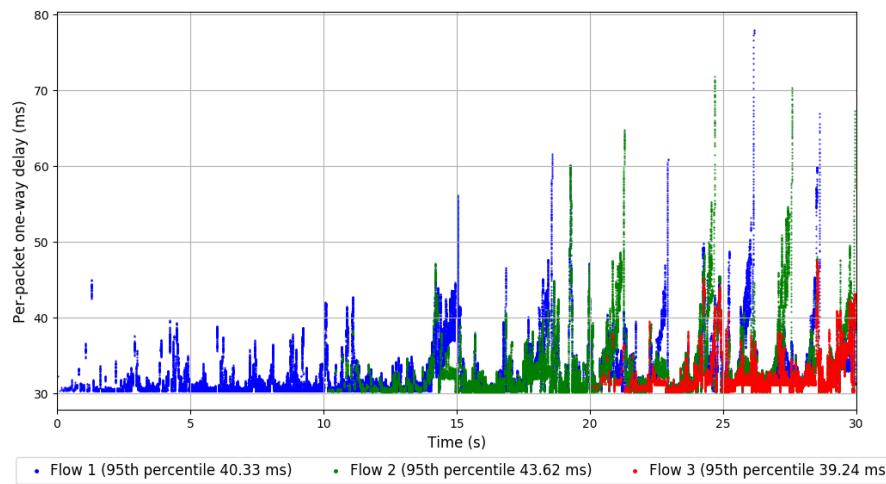
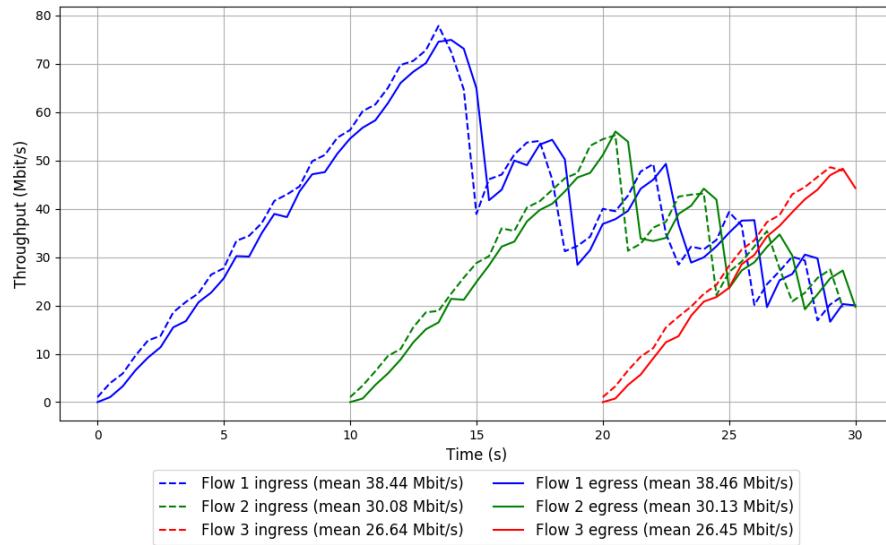


Run 4: Statistics of LEDBAT

```
Start at: 2019-10-03 15:00:05
End at: 2019-10-03 15:00:35
Local clock offset: 0.011 ms
Remote clock offset: 7.492 ms

# Below is generated by plot.py at 2019-10-03 16:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.25 Mbit/s
95th percentile per-packet one-way delay: 41.096 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 40.332 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 43.615 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 39.240 ms
Loss rate: 1.33%
```

Run 4: Report of LEDBAT — Data Link

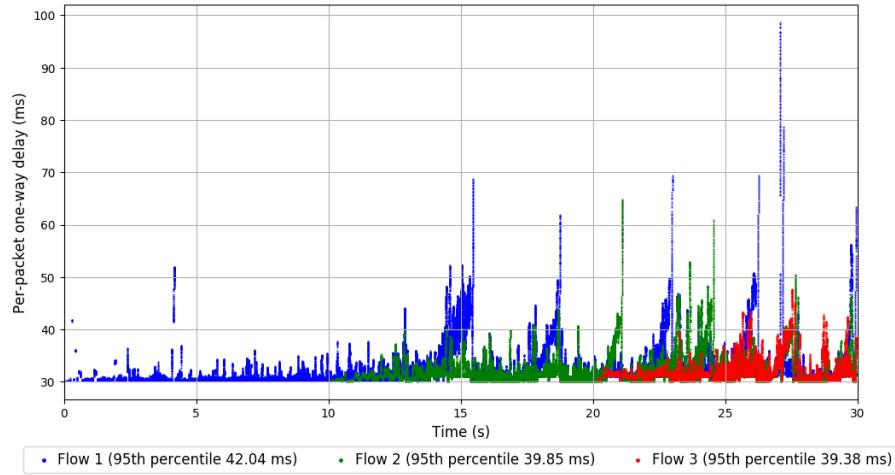
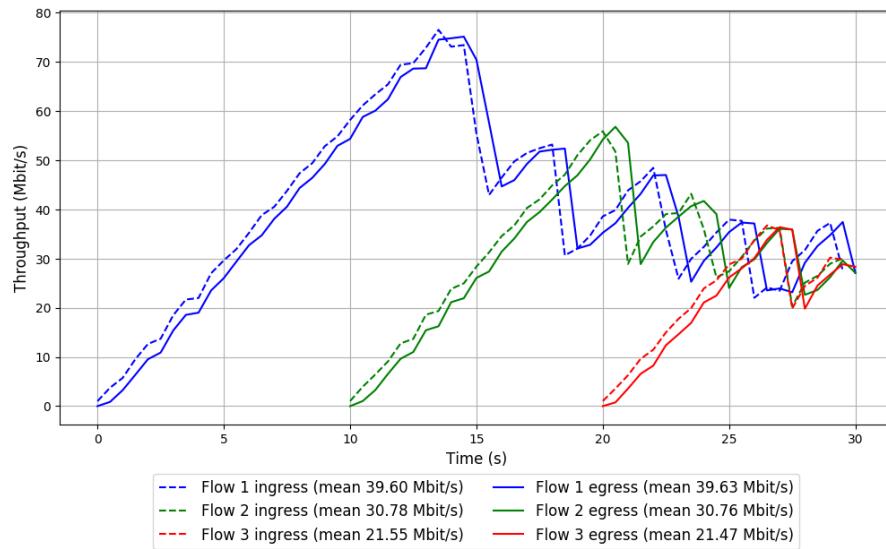


Run 5: Statistics of LEDBAT

```
Start at: 2019-10-03 16:15:42
End at: 2019-10-03 16:16:12
Local clock offset: -0.002 ms
Remote clock offset: 6.771 ms

# Below is generated by plot.py at 2019-10-03 16:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 40.896 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 42.038 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 39.851 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 39.377 ms
Loss rate: 1.03%
```

Run 5: Report of LEDBAT — Data Link

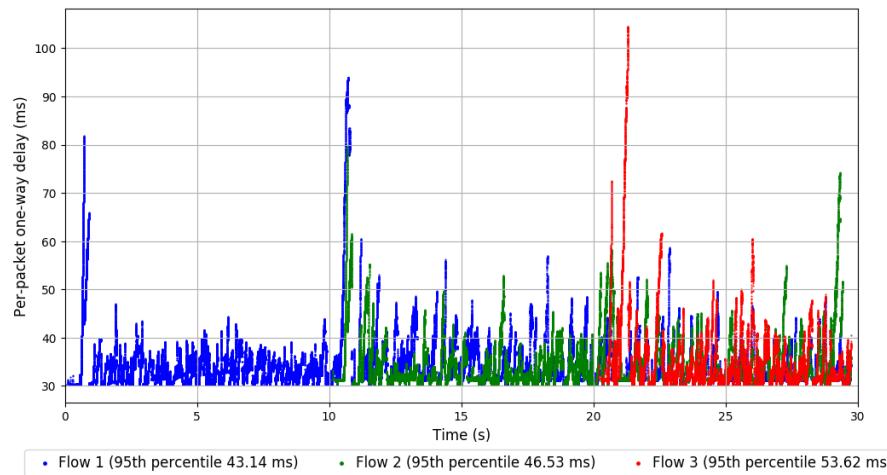
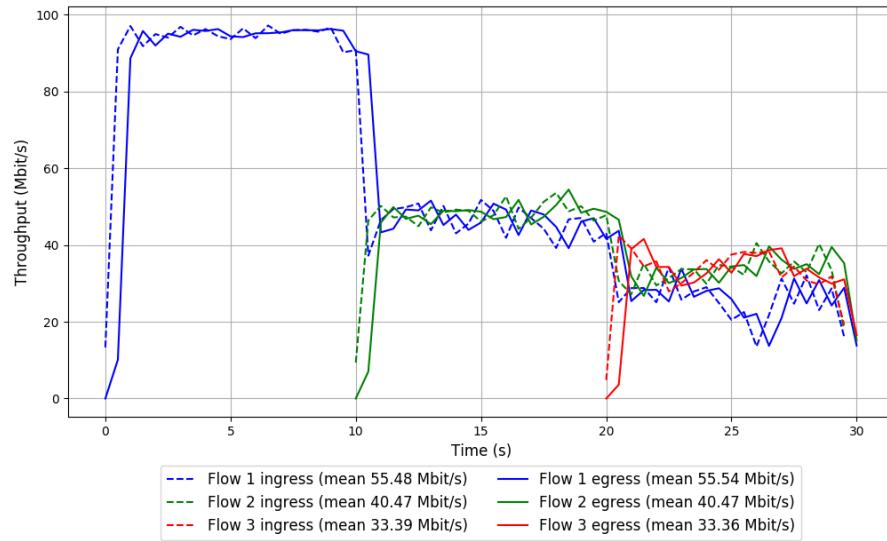


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 11:09:10
End at: 2019-10-03 11:09:40
Local clock offset: 0.413 ms
Remote clock offset: 6.98 ms

# Below is generated by plot.py at 2019-10-03 16:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 45.238 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 43.137 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 46.528 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 53.618 ms
Loss rate: 0.77%
```

Run 1: Report of Muses_DecisionTree — Data Link

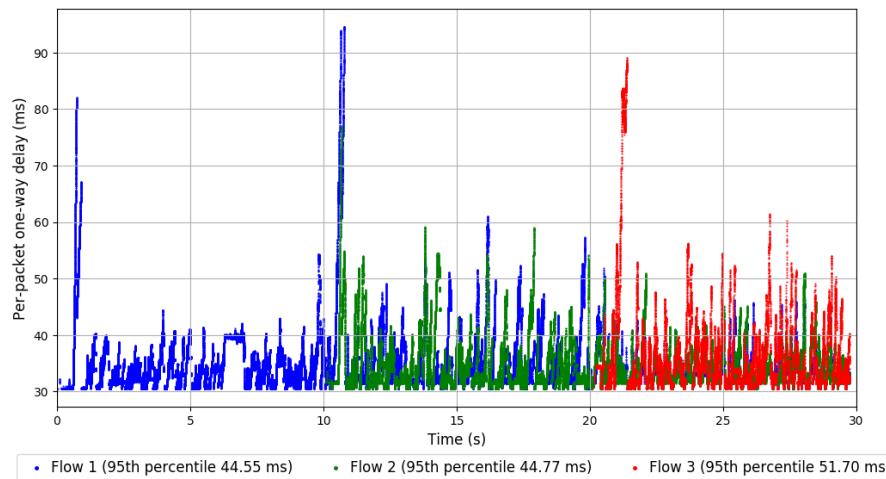
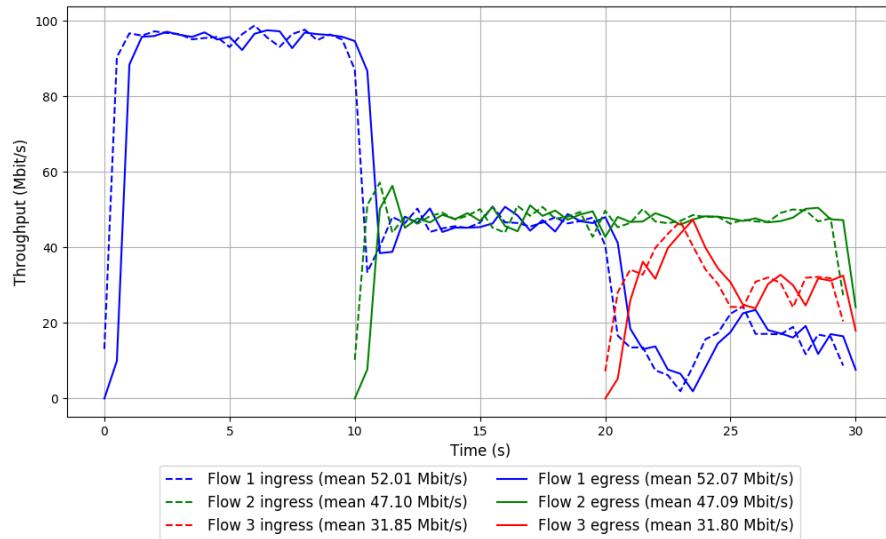


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 11:59:31
End at: 2019-10-03 12:00:01
Local clock offset: 0.337 ms
Remote clock offset: 7.797 ms

# Below is generated by plot.py at 2019-10-03 16:40:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 45.751 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 44.545 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 44.771 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 51.701 ms
Loss rate: 0.80%
```

Run 2: Report of Muses_DecisionTree — Data Link

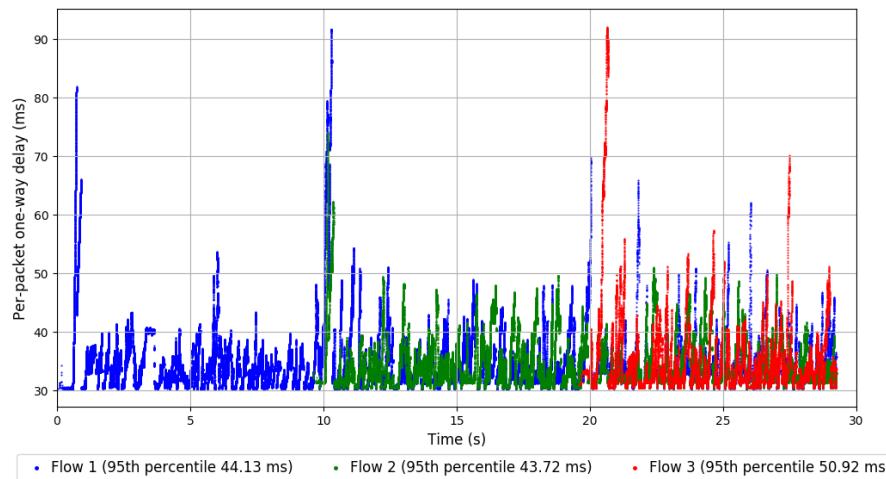
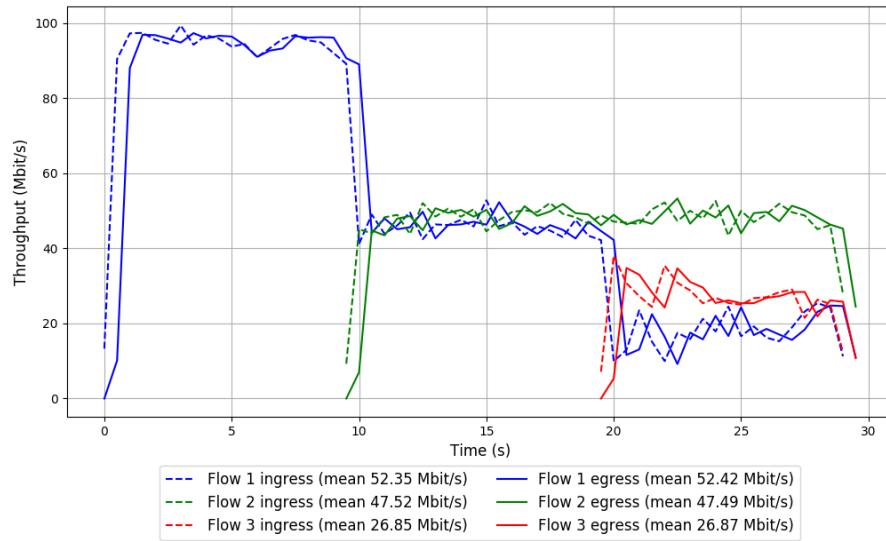


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 12:57:00
End at: 2019-10-03 12:57:30
Local clock offset: 0.19 ms
Remote clock offset: 7.321 ms

# Below is generated by plot.py at 2019-10-03 16:40:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 44.547 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 44.130 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 43.721 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 50.922 ms
Loss rate: 0.57%
```

Run 3: Report of Muses_DecisionTree — Data Link

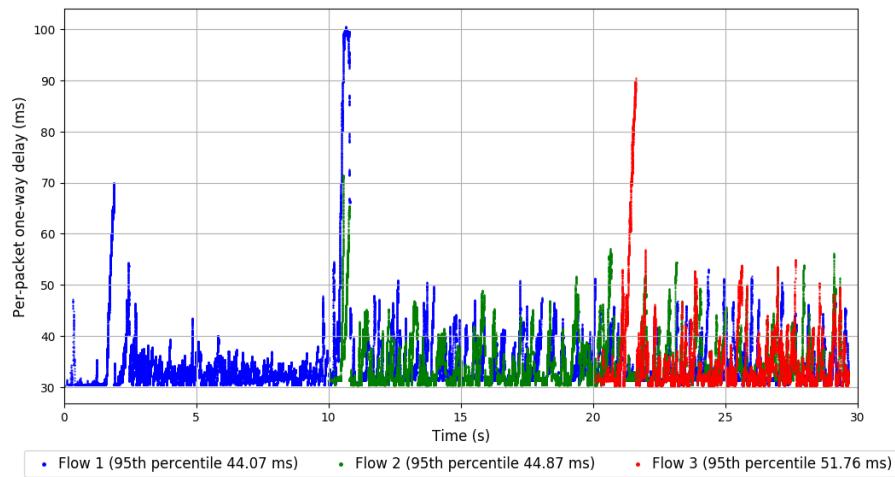
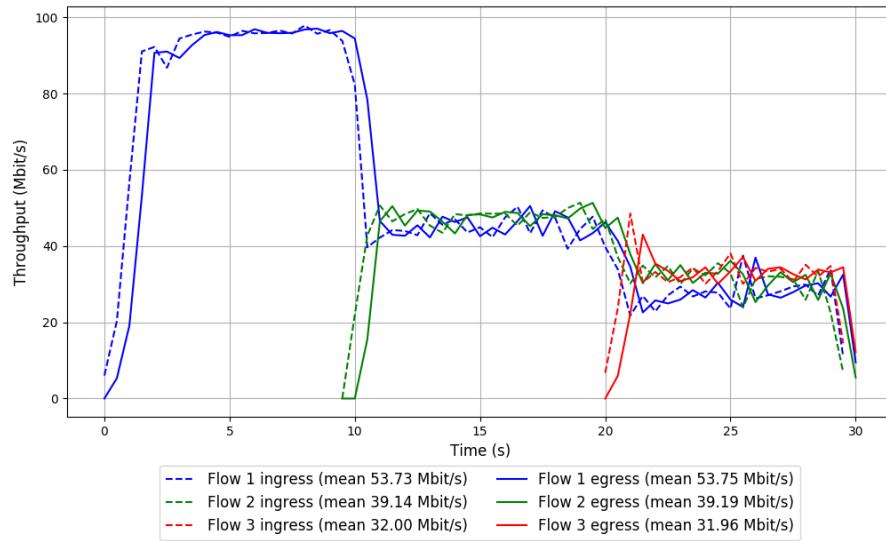


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 14:07:28
End at: 2019-10-03 14:07:58
Local clock offset: 0.049 ms
Remote clock offset: 7.447 ms

# Below is generated by plot.py at 2019-10-03 16:40:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 45.059 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 44.072 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 44.867 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.82%
```

Run 4: Report of Muses_DecisionTree — Data Link

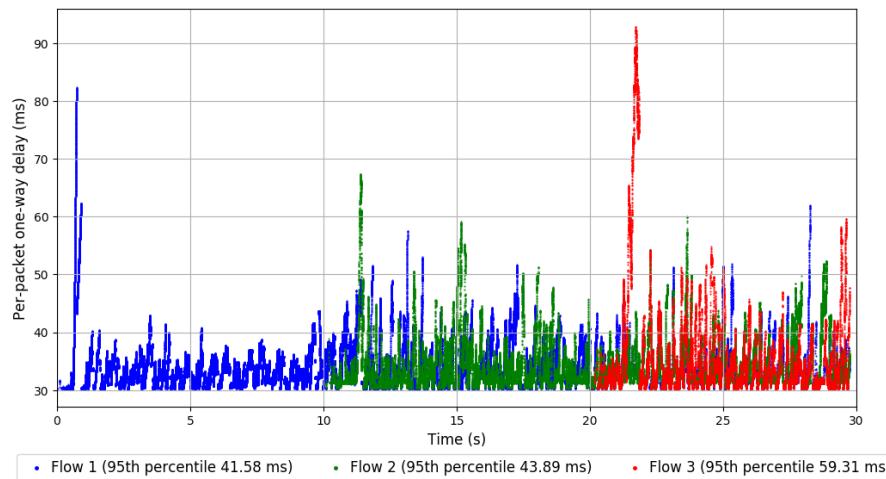
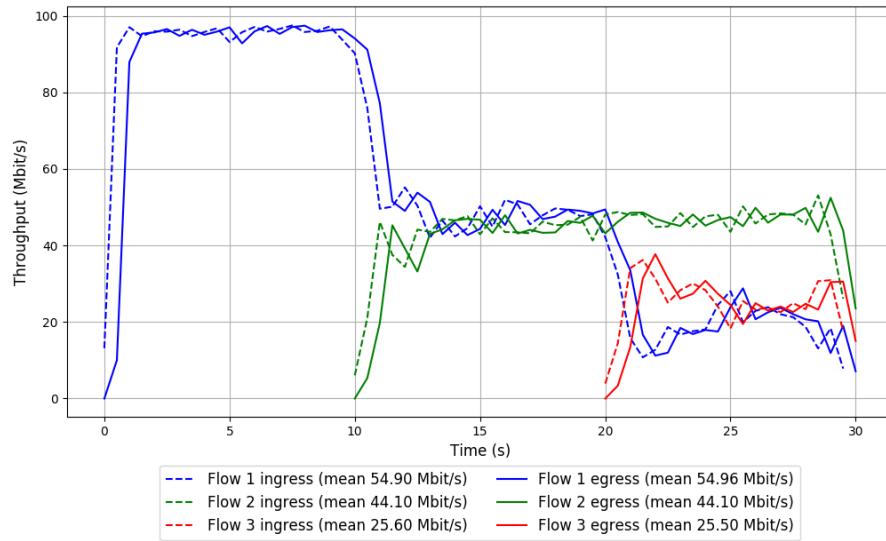


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 15:36:15
End at: 2019-10-03 15:36:45
Local clock offset: -0.084 ms
Remote clock offset: 7.24 ms

# Below is generated by plot.py at 2019-10-03 16:40:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 43.415 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 41.580 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 43.888 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 59.310 ms
Loss rate: 1.01%
```

Run 5: Report of Muses_DecisionTree — Data Link

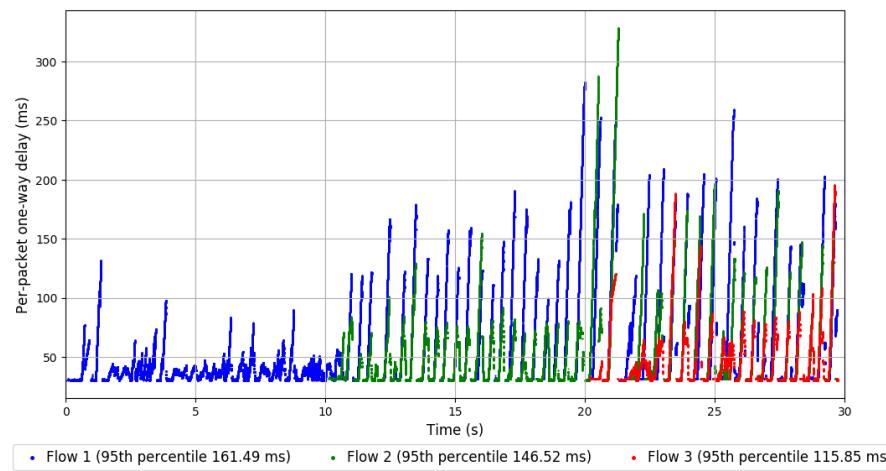
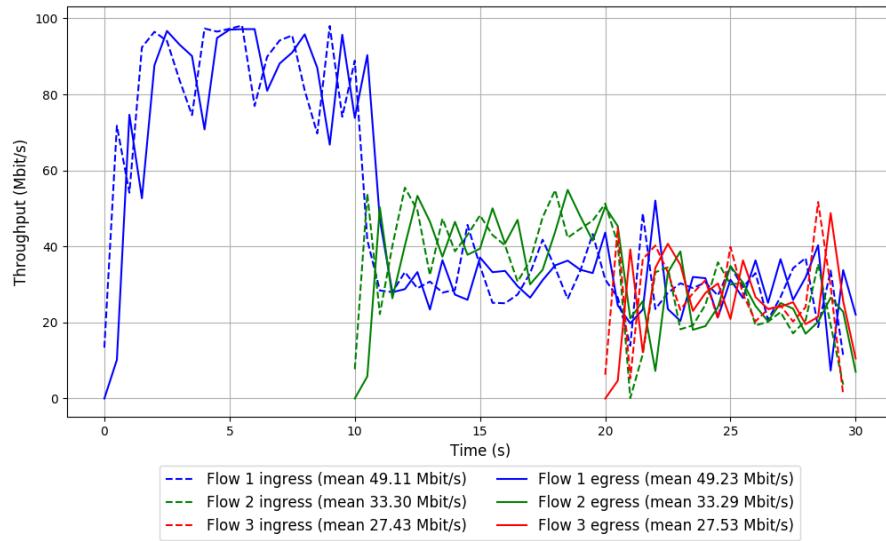


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 11:36:08
End at: 2019-10-03 11:36:38
Local clock offset: 0.352 ms
Remote clock offset: 7.82 ms

# Below is generated by plot.py at 2019-10-03 16:40:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 155.098 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 161.490 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 146.520 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 115.850 ms
Loss rate: 0.26%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

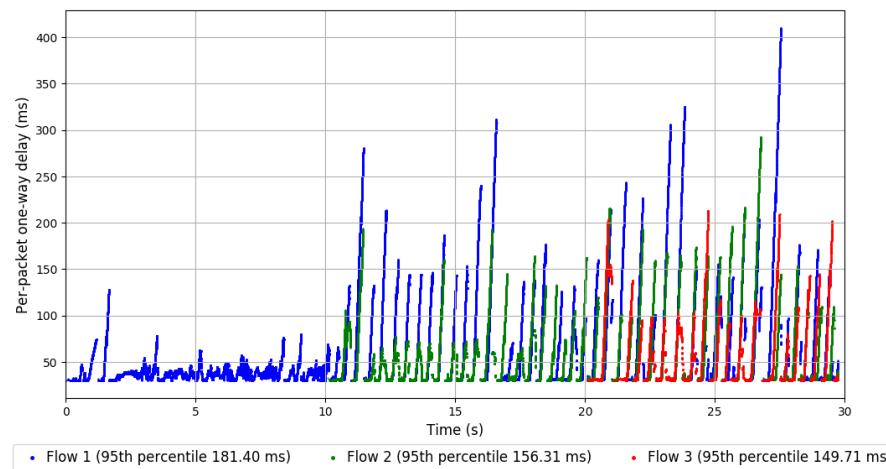
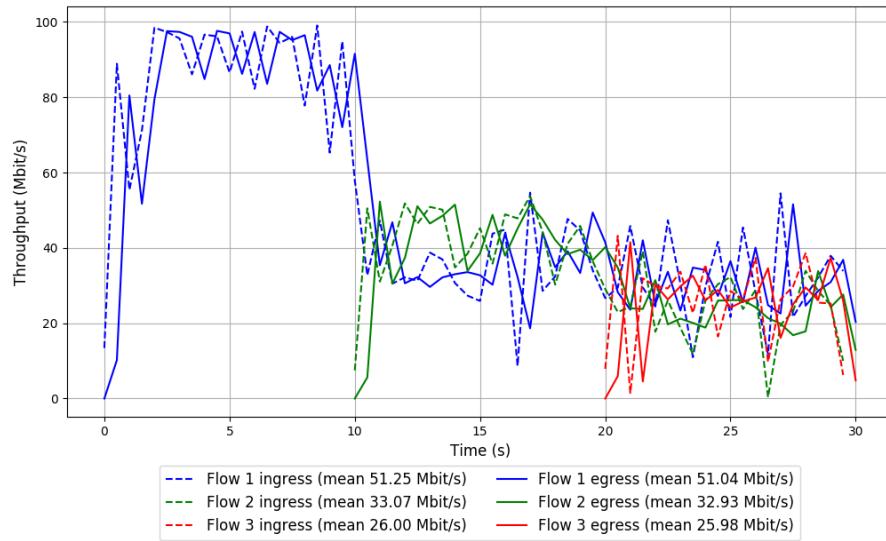


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 12:28:25
End at: 2019-10-03 12:28:55
Local clock offset: 0.237 ms
Remote clock offset: 7.96 ms

# Below is generated by plot.py at 2019-10-03 16:40:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.26 Mbit/s
95th percentile per-packet one-way delay: 166.727 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 181.396 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 156.306 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 149.711 ms
Loss rate: 0.72%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

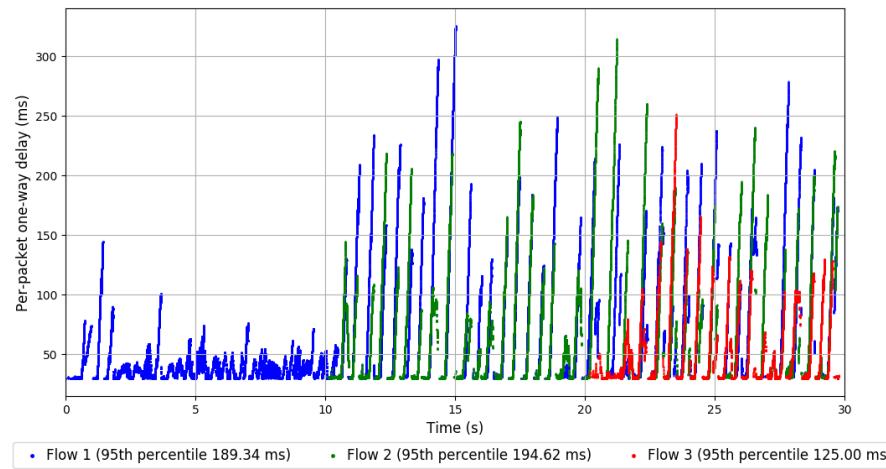
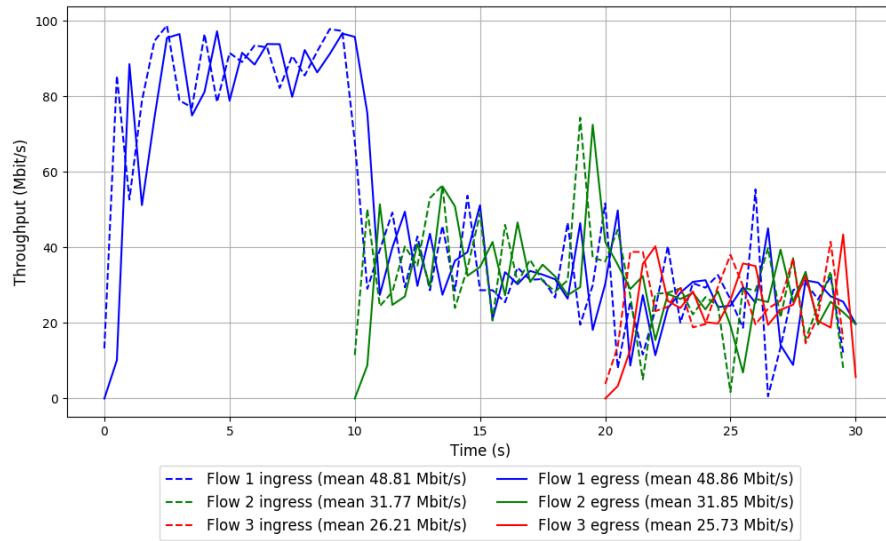


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 13:29:52
End at: 2019-10-03 13:30:22
Local clock offset: -0.007 ms
Remote clock offset: 7.867 ms

# Below is generated by plot.py at 2019-10-03 16:40:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 186.335 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 189.344 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 194.621 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 125.000 ms
Loss rate: 2.45%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

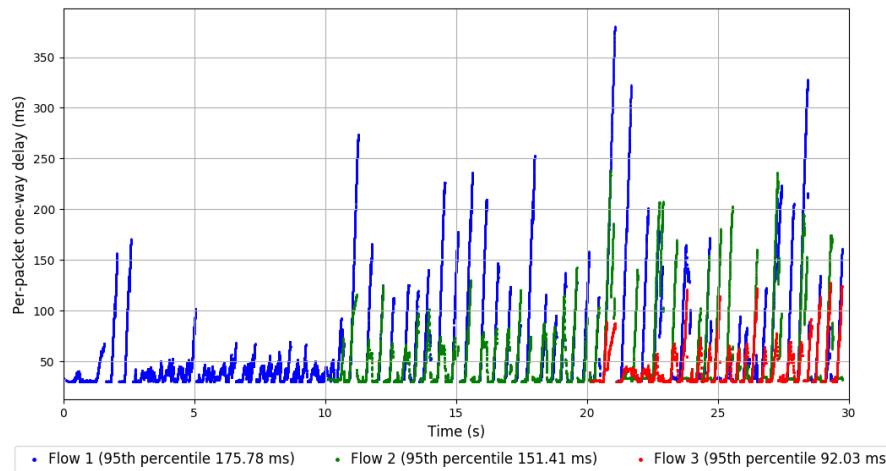
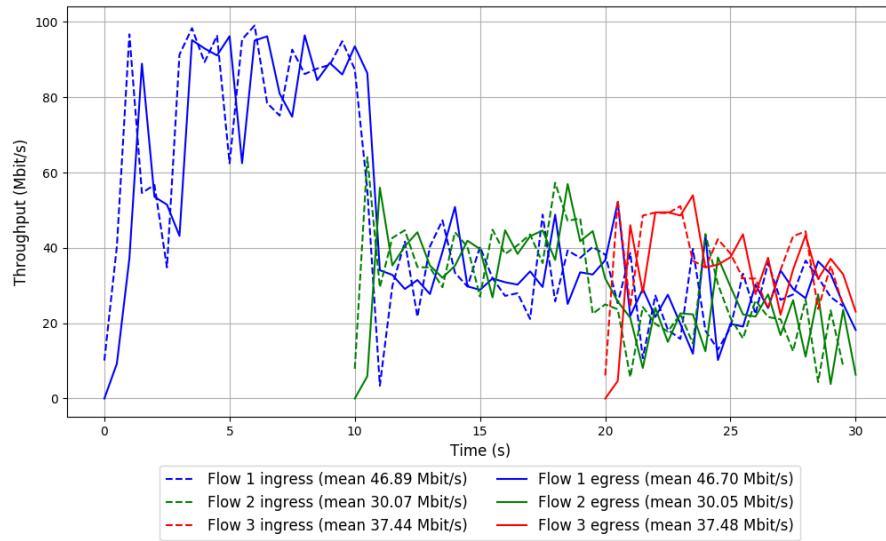


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 14:47:12
End at: 2019-10-03 14:47:42
Local clock offset: -0.016 ms
Remote clock offset: 7.636 ms

# Below is generated by plot.py at 2019-10-03 16:40:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 156.990 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 175.782 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 151.414 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 92.032 ms
Loss rate: 0.69%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

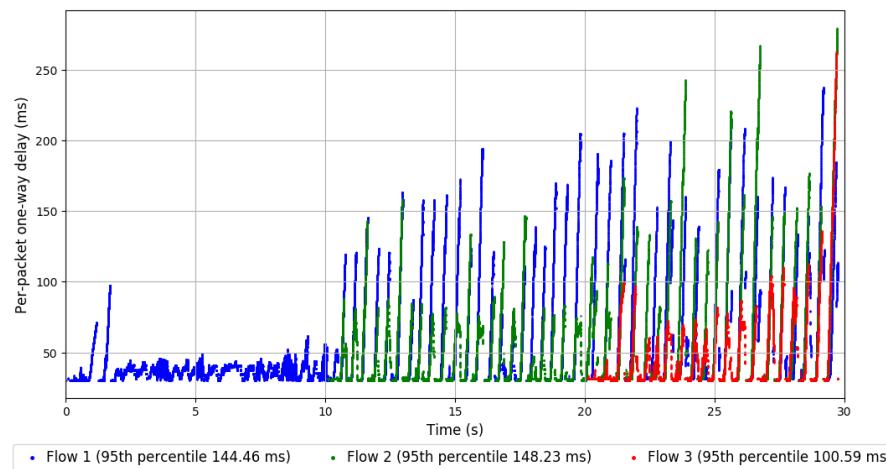
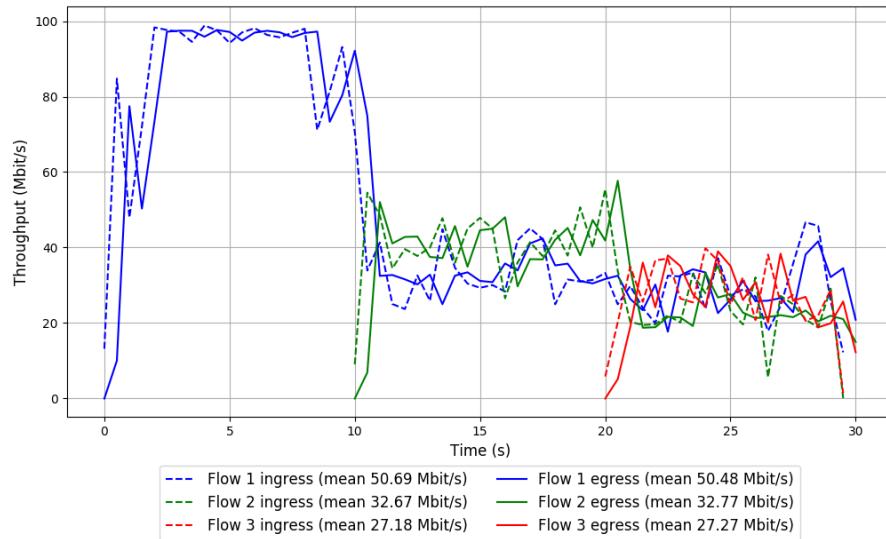


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 16:06:50
End at: 2019-10-03 16:07:20
Local clock offset: 0.023 ms
Remote clock offset: 6.622 ms

# Below is generated by plot.py at 2019-10-03 16:40:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 143.213 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 144.460 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 148.234 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 100.592 ms
Loss rate: 0.33%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

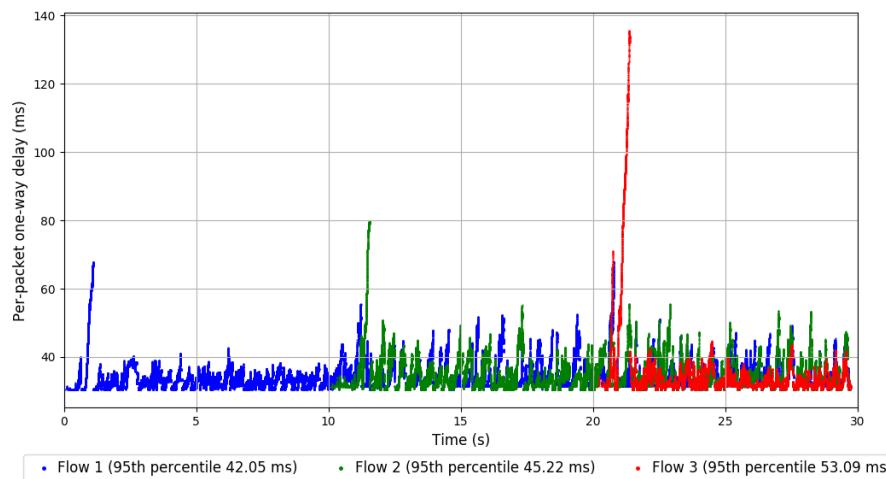
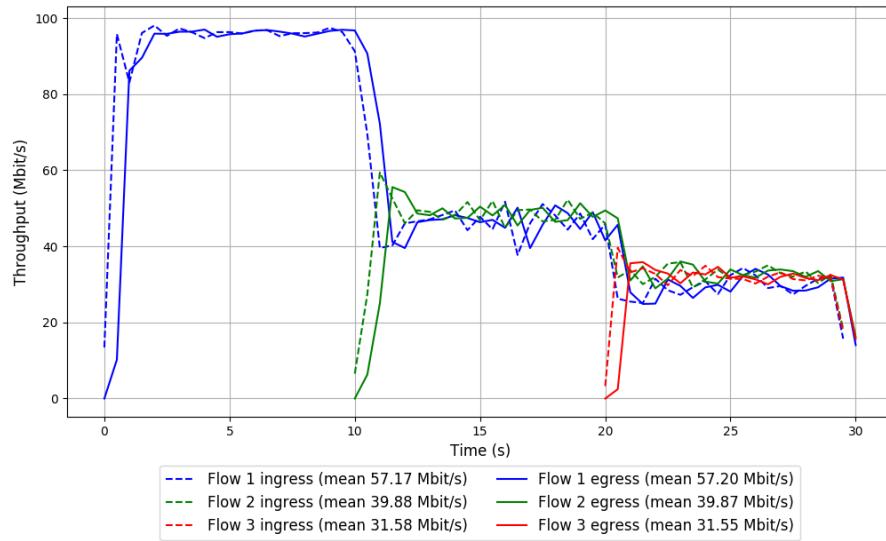


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 11:37:57
End at: 2019-10-03 11:38:27
Local clock offset: 0.349 ms
Remote clock offset: 7.734 ms

# Below is generated by plot.py at 2019-10-03 16:41:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 43.625 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 42.048 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 45.222 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 53.093 ms
Loss rate: 0.76%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

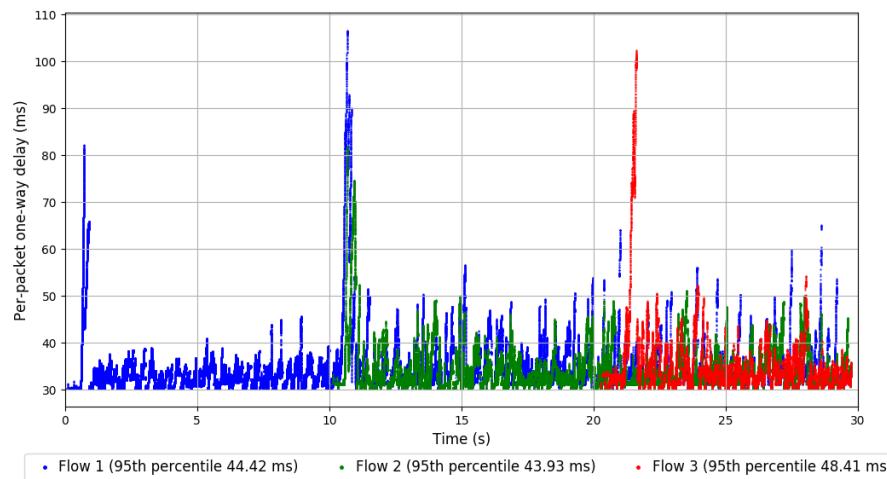
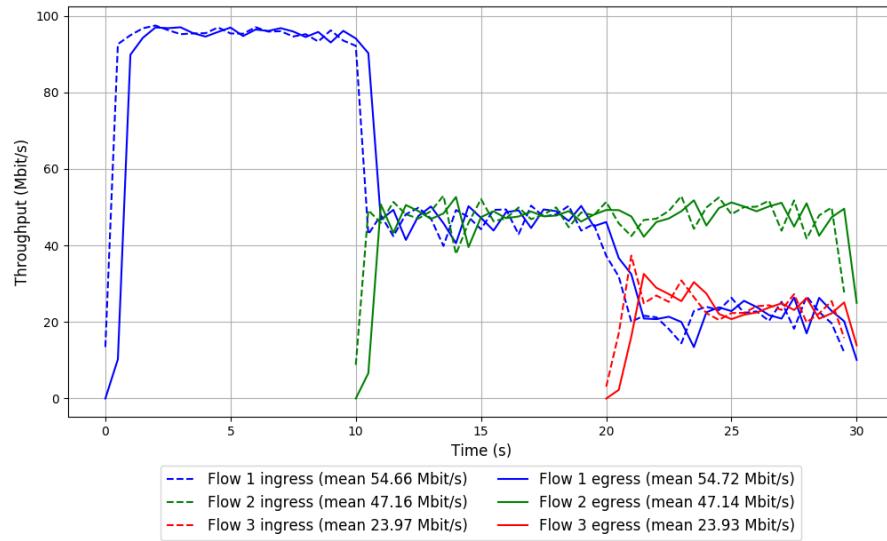


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 12:31:13
End at: 2019-10-03 12:31:43
Local clock offset: 0.232 ms
Remote clock offset: 7.799 ms

# Below is generated by plot.py at 2019-10-03 16:41:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 44.556 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 44.425 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 43.928 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 48.415 ms
Loss rate: 0.85%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

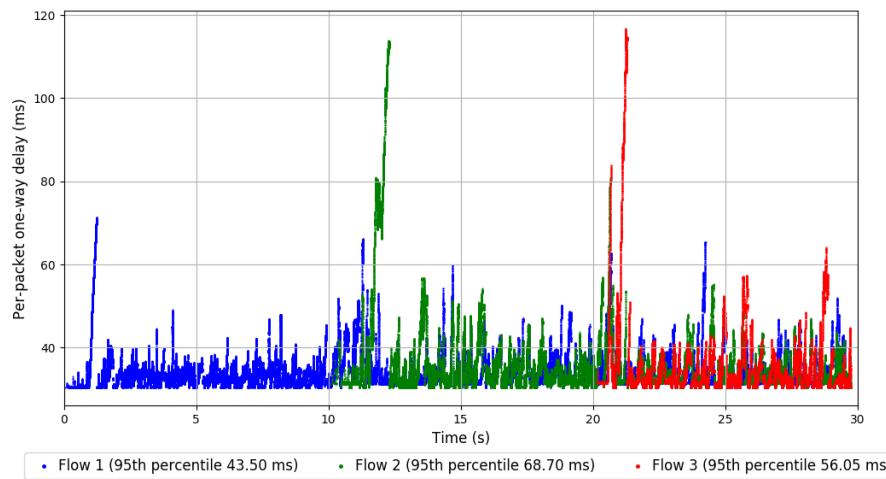
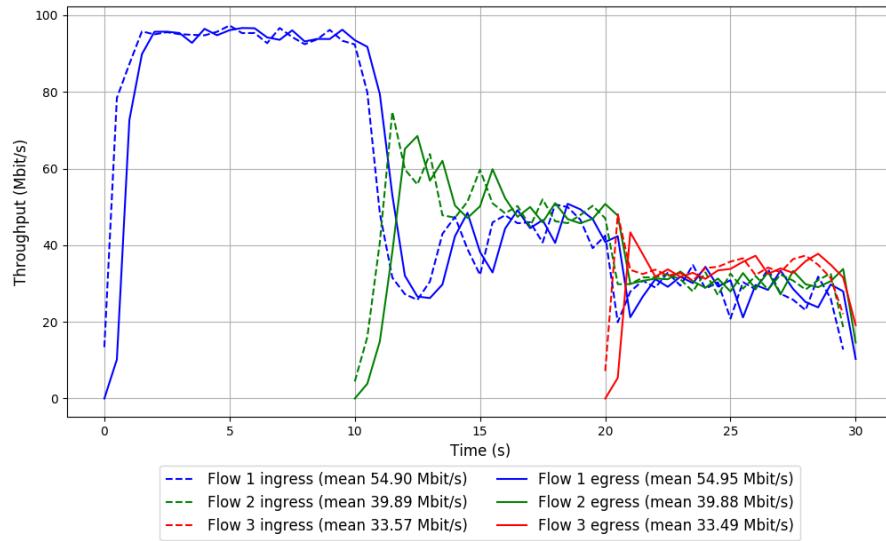


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 13:32:24
End at: 2019-10-03 13:32:54
Local clock offset: -0.02 ms
Remote clock offset: 7.492 ms

# Below is generated by plot.py at 2019-10-03 16:41:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 47.926 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 43.499 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 68.699 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 56.048 ms
Loss rate: 0.95%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

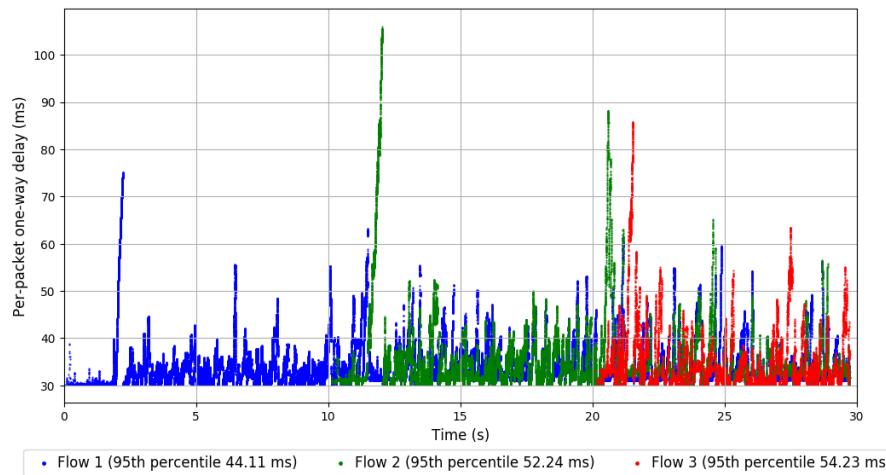
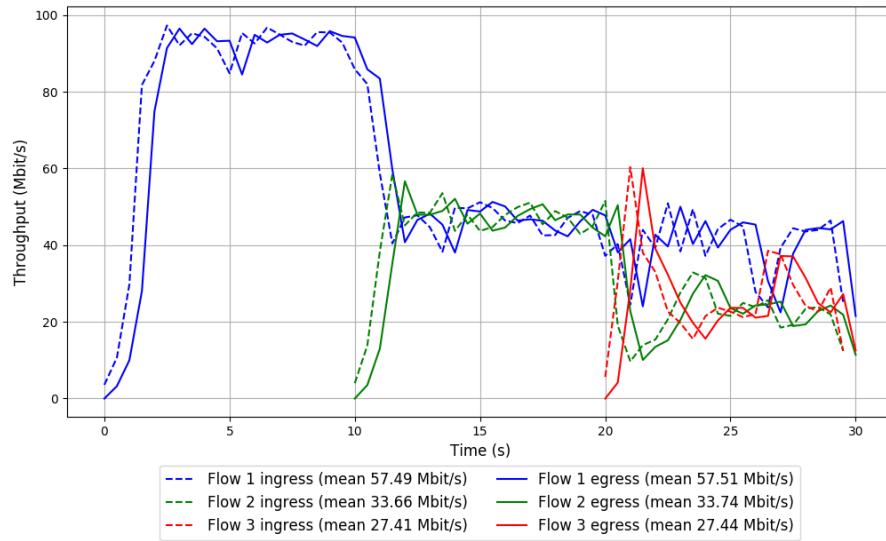


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 14:49:44
End at: 2019-10-03 14:50:14
Local clock offset: -0.013 ms
Remote clock offset: 7.62 ms

# Below is generated by plot.py at 2019-10-03 16:41:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 46.648 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 44.109 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 52.239 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 54.234 ms
Loss rate: 0.57%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

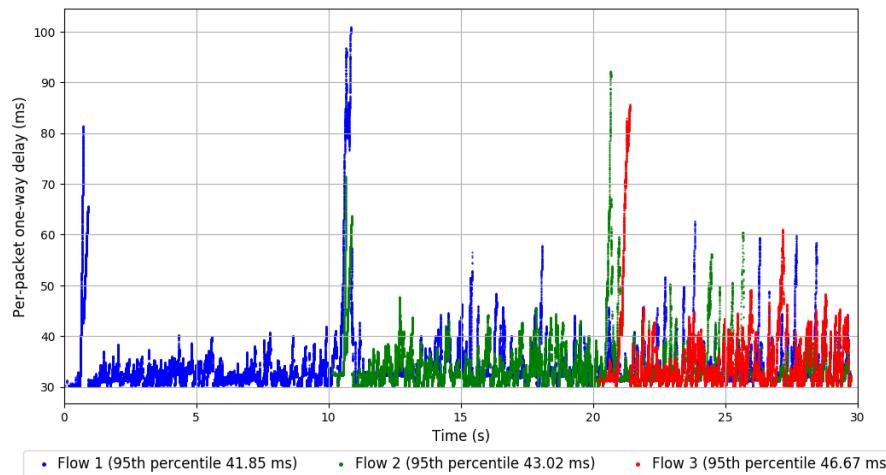
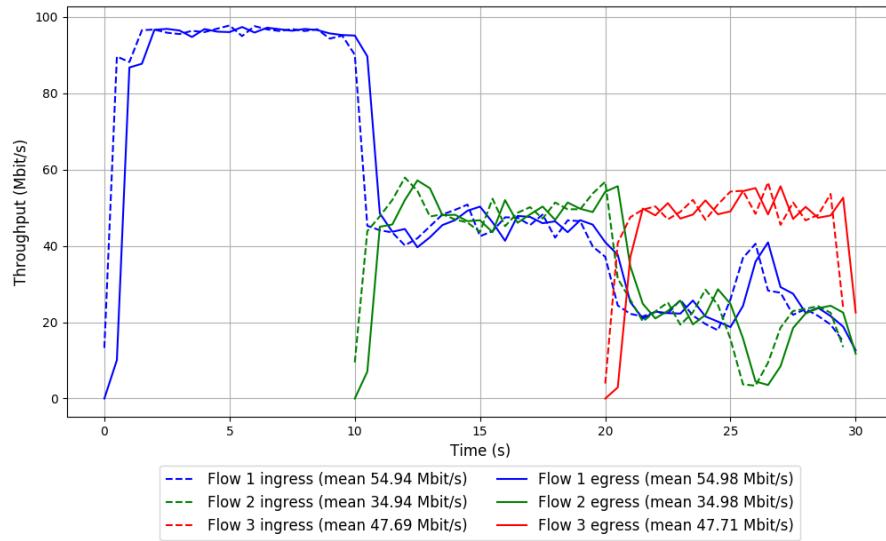


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 16:08:53
End at: 2019-10-03 16:09:23
Local clock offset: 0.0 ms
Remote clock offset: 6.581 ms

# Below is generated by plot.py at 2019-10-03 16:41:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 43.410 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 41.853 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 43.020 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 46.666 ms
Loss rate: 0.63%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

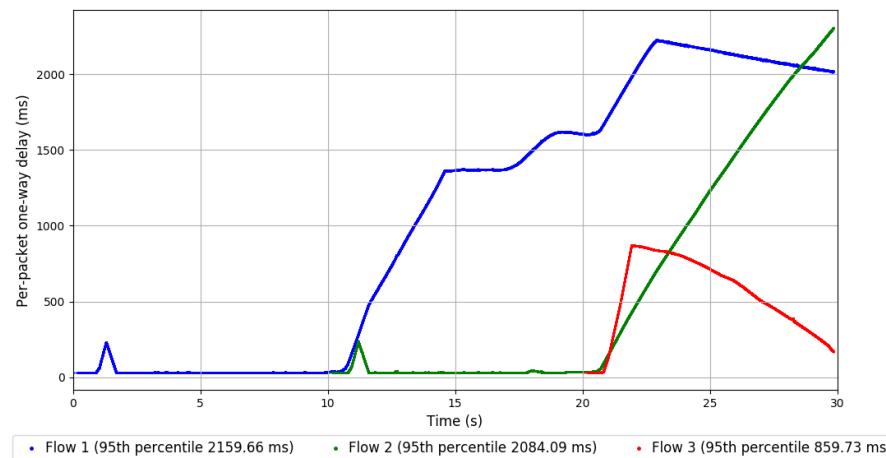
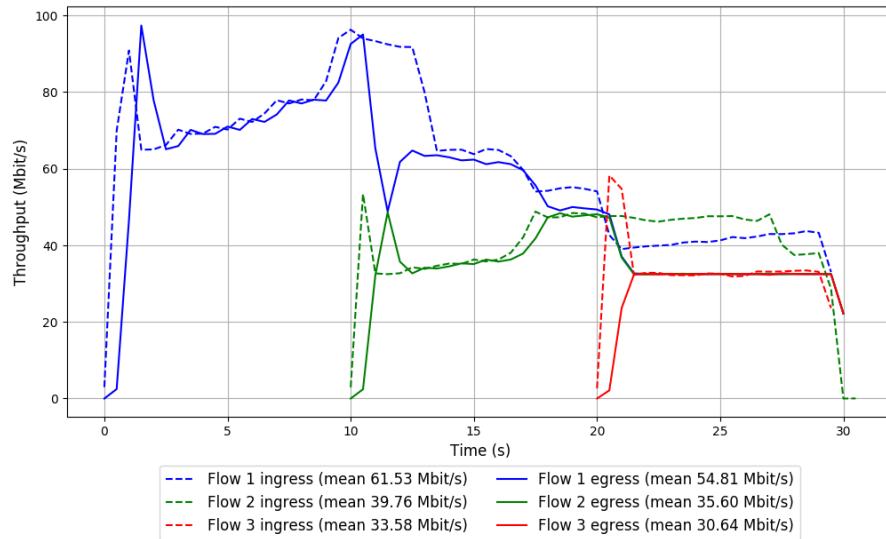


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-10-03 11:13:57
End at: 2019-10-03 11:14:27
Local clock offset: 0.369 ms
Remote clock offset: 6.735 ms

# Below is generated by plot.py at 2019-10-03 16:41:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 2138.355 ms
Loss rate: 11.77%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 2159.659 ms
Loss rate: 11.08%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 2084.087 ms
Loss rate: 14.27%
-- Flow 3:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 859.733 ms
Loss rate: 9.34%
```

Run 1: Report of PCC-Allegro — Data Link

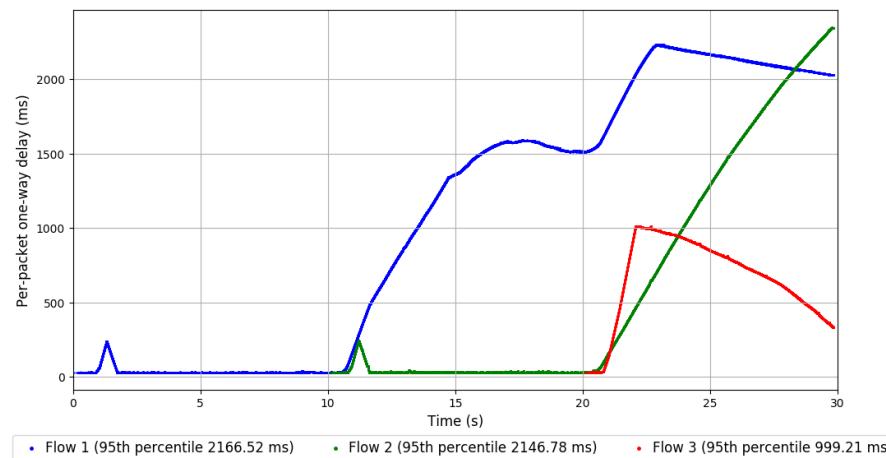
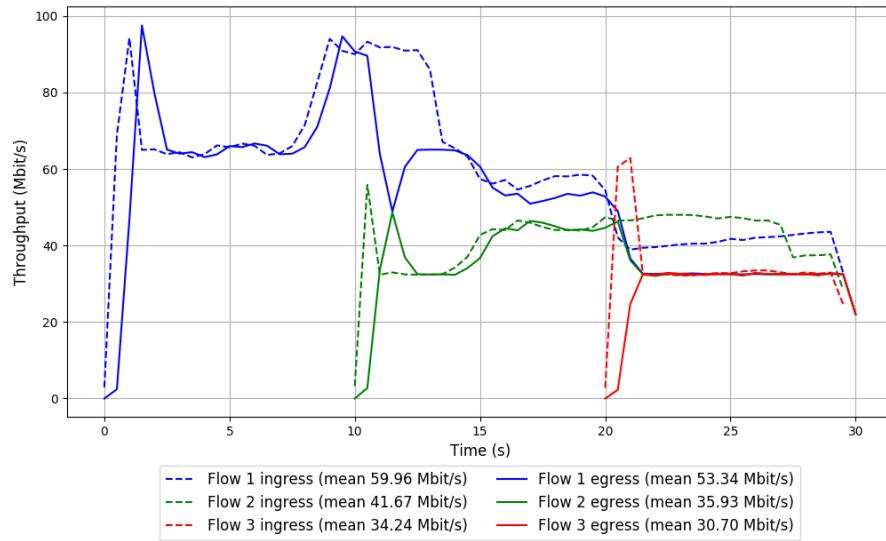


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-10-03 12:04:06
End at: 2019-10-03 12:04:36
Local clock offset: 0.333 ms
Remote clock offset: 7.854 ms

# Below is generated by plot.py at 2019-10-03 16:41:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 2154.566 ms
Loss rate: 11.97%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 2166.519 ms
Loss rate: 11.22%
-- Flow 2:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 2146.785 ms
Loss rate: 14.04%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 999.212 ms
Loss rate: 10.90%
```

Run 2: Report of PCC-Allegro — Data Link

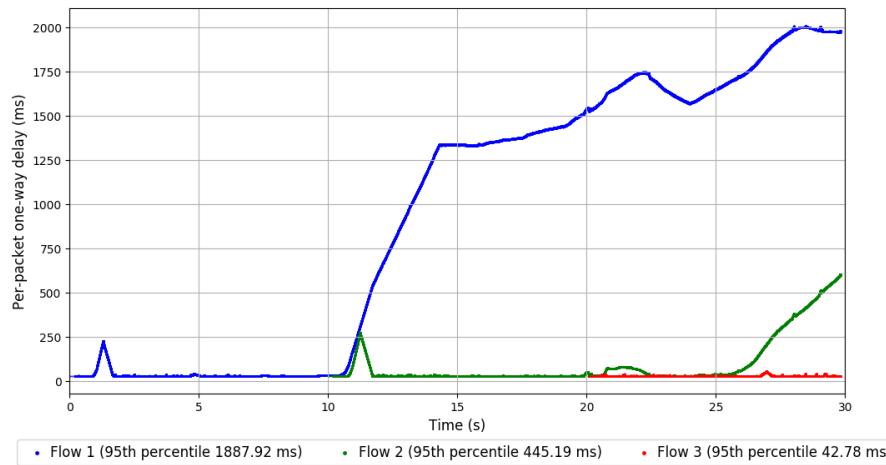
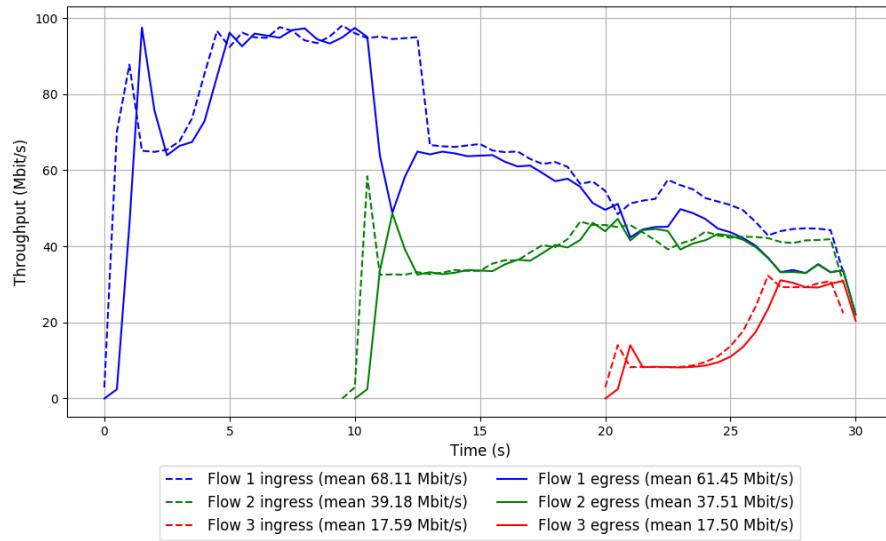


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-10-03 13:01:36
End at: 2019-10-03 13:02:06
Local clock offset: 0.159 ms
Remote clock offset: 7.352 ms

# Below is generated by plot.py at 2019-10-03 16:42:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 1740.096 ms
Loss rate: 8.05%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 1887.918 ms
Loss rate: 9.97%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 445.192 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 42.780 ms
Loss rate: 1.19%
```

Run 3: Report of PCC-Allegro — Data Link

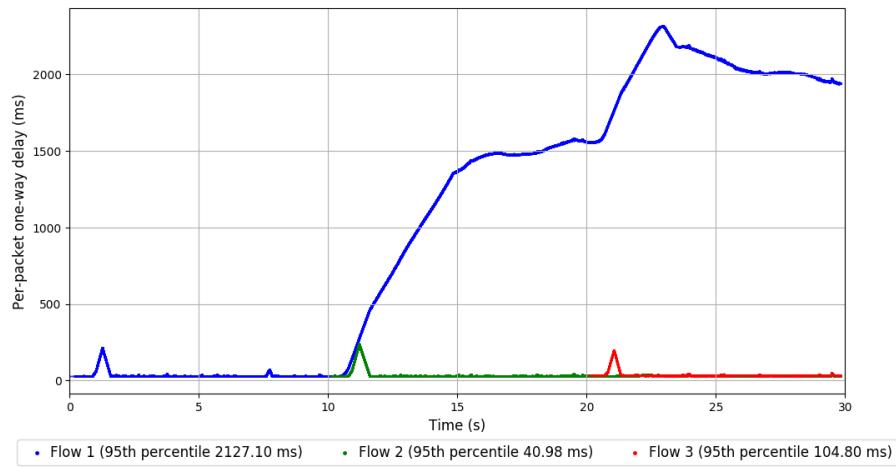
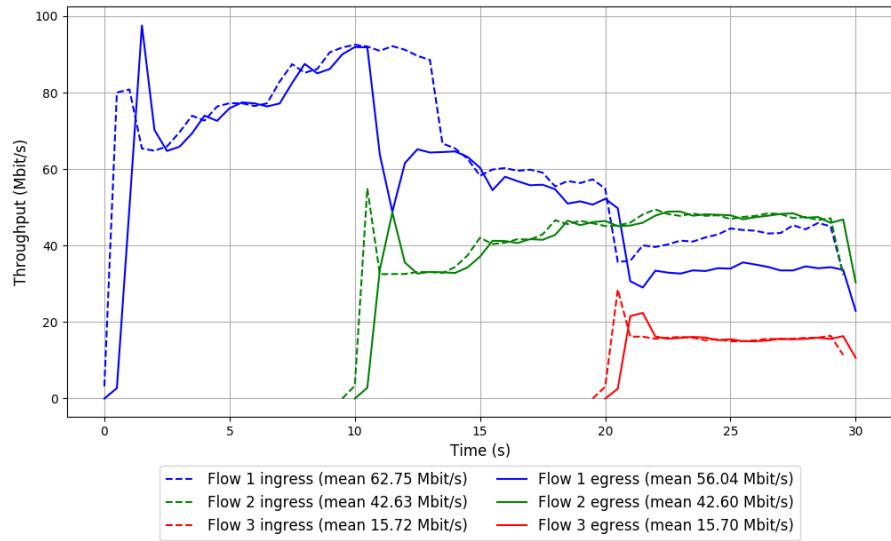


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-10-03 14:13:16
End at: 2019-10-03 14:13:46
Local clock offset: 0.032 ms
Remote clock offset: 7.466 ms

# Below is generated by plot.py at 2019-10-03 16:42:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 2036.576 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 2127.097 ms
Loss rate: 10.87%
-- Flow 2:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 40.975 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 104.804 ms
Loss rate: 0.78%
```

Run 4: Report of PCC-Allegro — Data Link

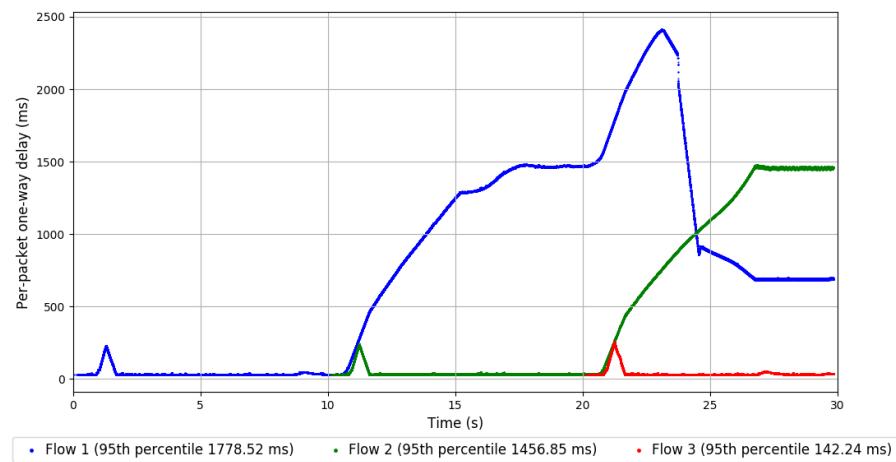
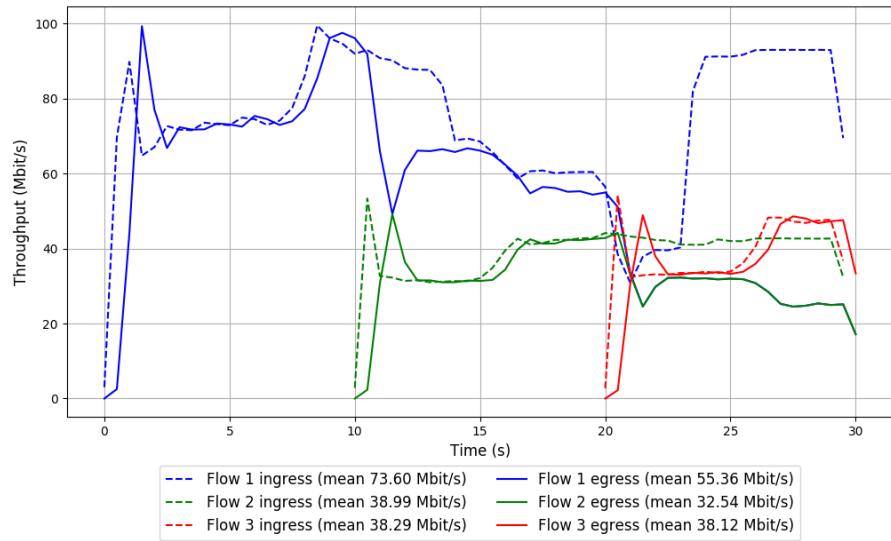


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-10-03 15:44:18
End at: 2019-10-03 15:44:48
Local clock offset: -0.074 ms
Remote clock offset: 7.066 ms

# Below is generated by plot.py at 2019-10-03 16:42:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 1475.862 ms
Loss rate: 20.37%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 1778.516 ms
Loss rate: 24.94%
-- Flow 2:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 1456.849 ms
Loss rate: 16.81%
-- Flow 3:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 142.236 ms
Loss rate: 1.09%
```

Run 5: Report of PCC-Allegro — Data Link

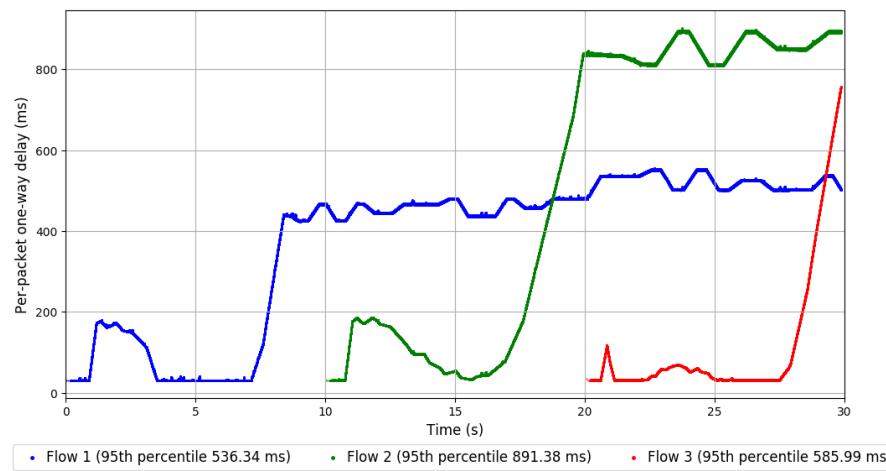
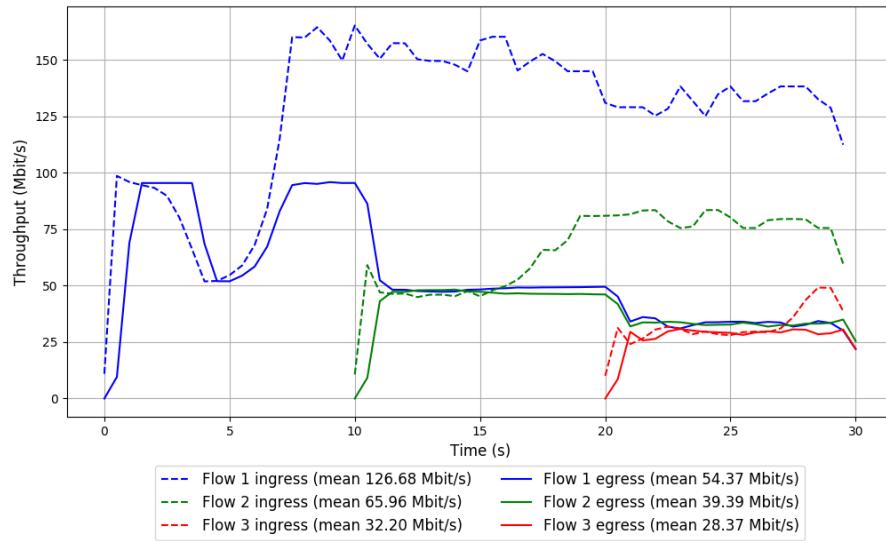


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-10-03 11:06:19
End at: 2019-10-03 11:06:49
Local clock offset: 0.402 ms
Remote clock offset: 6.858 ms

# Below is generated by plot.py at 2019-10-03 16:43:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 852.285 ms
Loss rate: 50.51%
-- Flow 1:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 536.344 ms
Loss rate: 57.18%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 891.385 ms
Loss rate: 40.49%
-- Flow 3:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 585.988 ms
Loss rate: 12.50%
```

Run 1: Report of PCC-Expr — Data Link

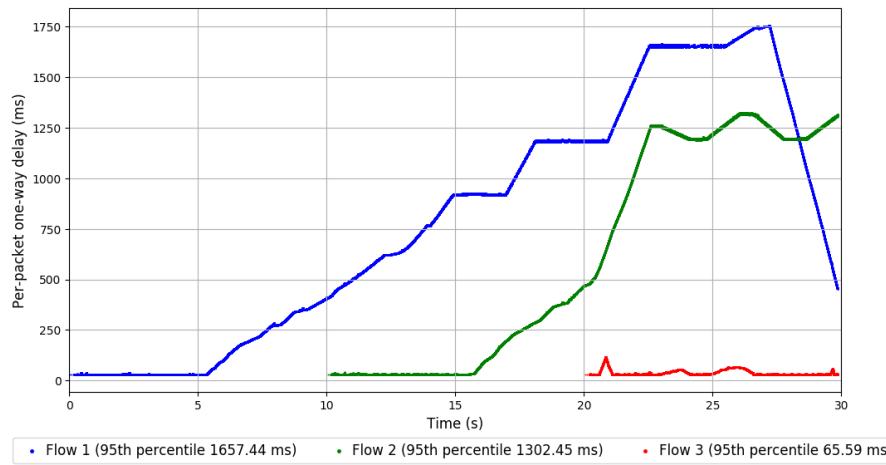
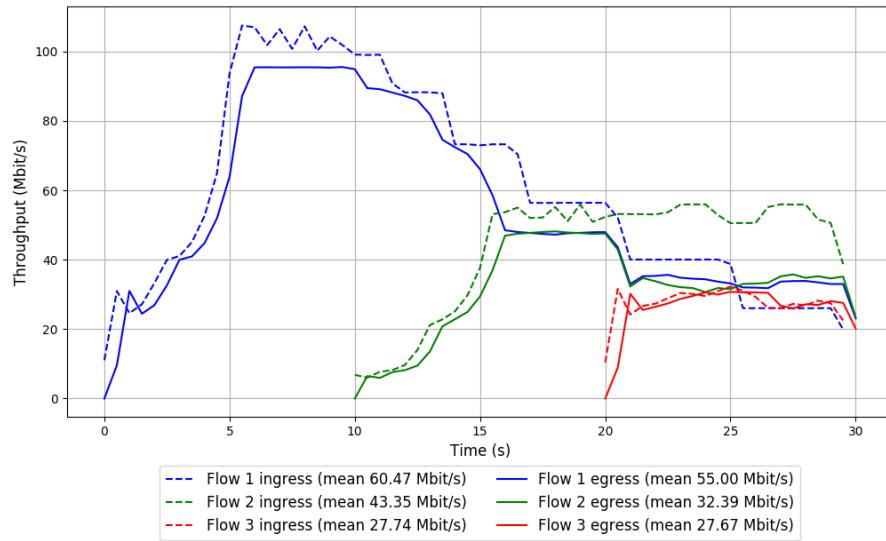


Run 2: Statistics of PCC-Expr

```
Start at: 2019-10-03 11:56:49
End at: 2019-10-03 11:57:19
Local clock offset: 0.349 ms
Remote clock offset: 7.899 ms

# Below is generated by plot.py at 2019-10-03 16:43:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 1652.540 ms
Loss rate: 13.24%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 1657.440 ms
Loss rate: 9.25%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 1302.448 ms
Loss rate: 25.52%
-- Flow 3:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 65.588 ms
Loss rate: 0.91%
```

Run 2: Report of PCC-Expr — Data Link

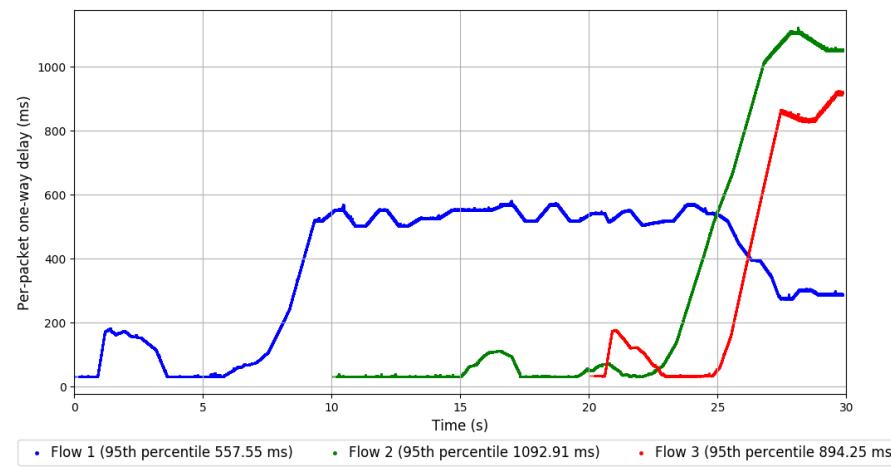
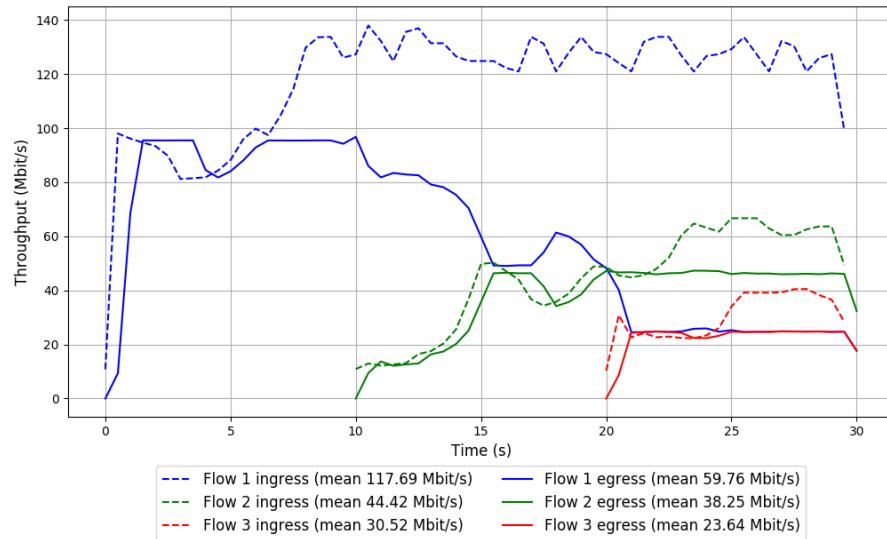


Run 3: Statistics of PCC-Expr

```
Start at: 2019-10-03 12:53:50
End at: 2019-10-03 12:54:20
Local clock offset: 0.215 ms
Remote clock offset: 7.49 ms

# Below is generated by plot.py at 2019-10-03 16:44:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 1024.063 ms
Loss rate: 41.04%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 557.554 ms
Loss rate: 49.33%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 1092.907 ms
Loss rate: 14.17%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 894.252 ms
Loss rate: 23.06%
```

Run 3: Report of PCC-Expr — Data Link

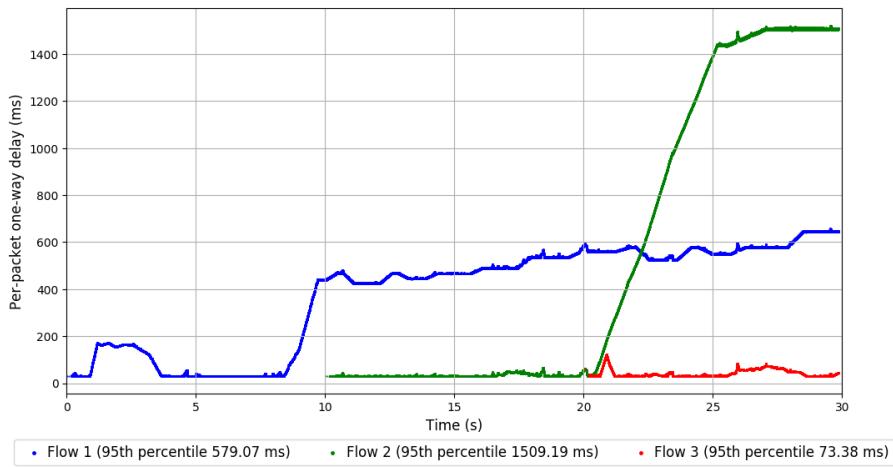
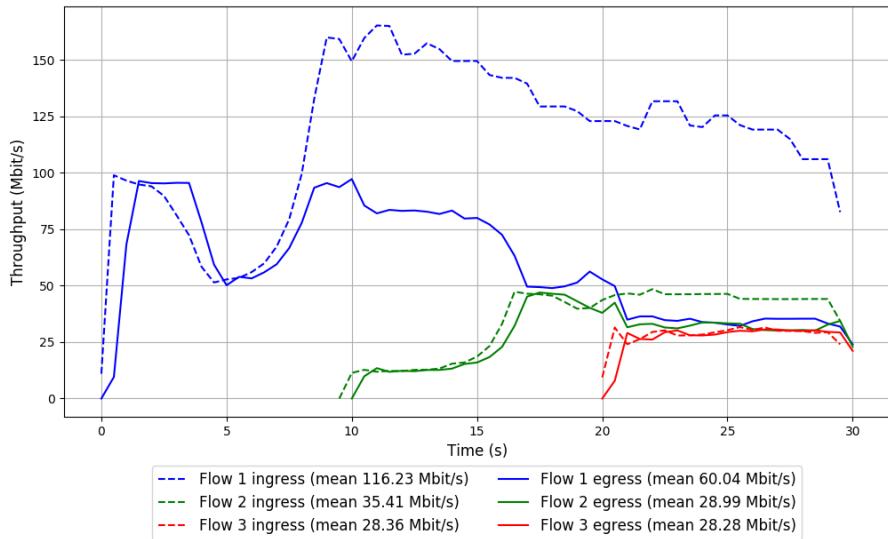


Run 4: Statistics of PCC-Expr

```
Start at: 2019-10-03 14:02:27
End at: 2019-10-03 14:02:57
Local clock offset: -0.019 ms
Remote clock offset: 7.429 ms

# Below is generated by plot.py at 2019-10-03 16:44:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 1442.271 ms
Loss rate: 40.73%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 579.070 ms
Loss rate: 48.45%
-- Flow 2:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 1509.193 ms
Loss rate: 18.41%
-- Flow 3:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 73.375 ms
Loss rate: 1.19%
```

Run 4: Report of PCC-Expr — Data Link

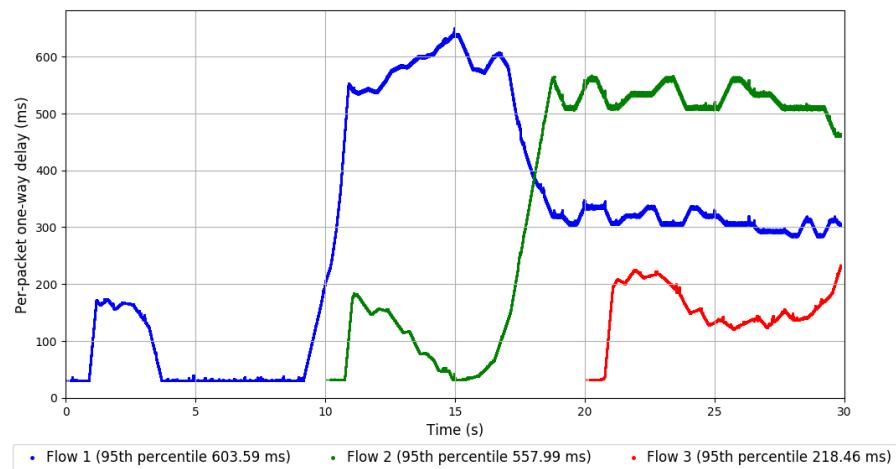
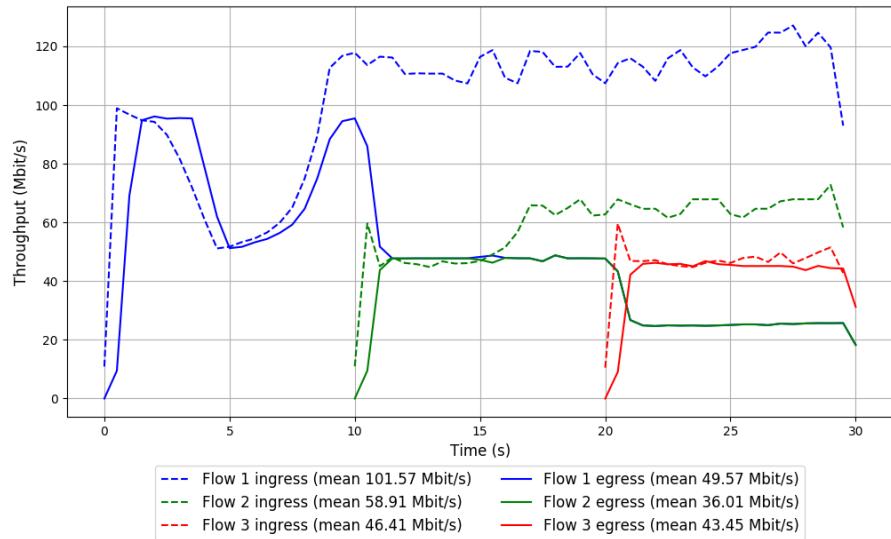


Run 5: Statistics of PCC-Expr

```
Start at: 2019-10-03 15:28:09
End at: 2019-10-03 15:28:39
Local clock offset: -0.043 ms
Remote clock offset: 7.312 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 591.465 ms
Loss rate: 43.88%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 603.594 ms
Loss rate: 51.30%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 557.986 ms
Loss rate: 39.08%
-- Flow 3:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 218.460 ms
Loss rate: 6.98%
```

Run 5: Report of PCC-Expr — Data Link

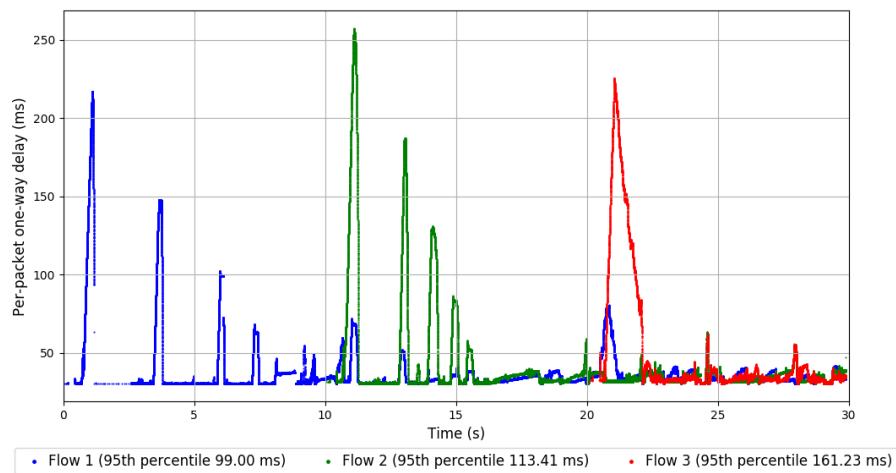
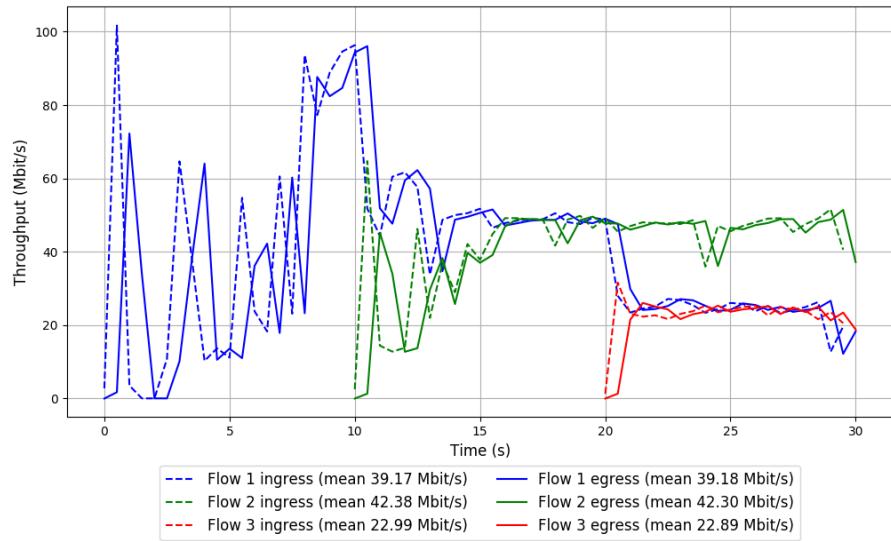


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-10-03 11:01:17
End at: 2019-10-03 11:01:47
Local clock offset: 0.477 ms
Remote clock offset: 6.958 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 111.193 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 99.001 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 113.413 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 161.233 ms
Loss rate: 1.08%
```

Run 1: Report of QUIC Cubic — Data Link

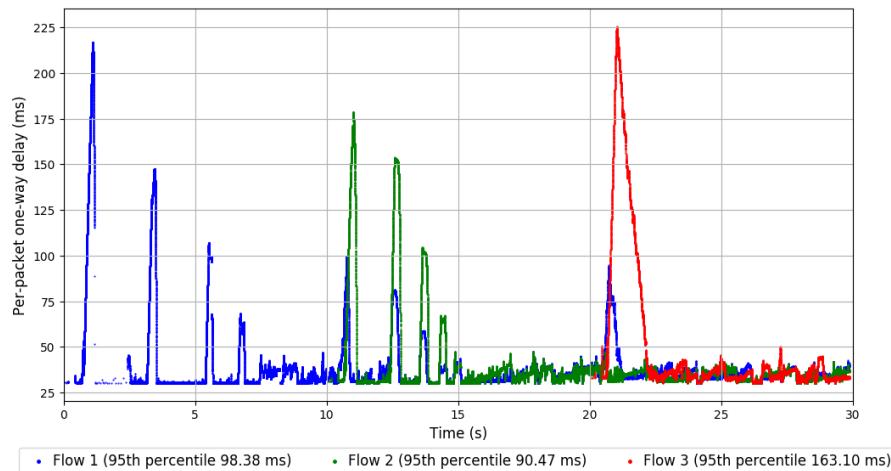
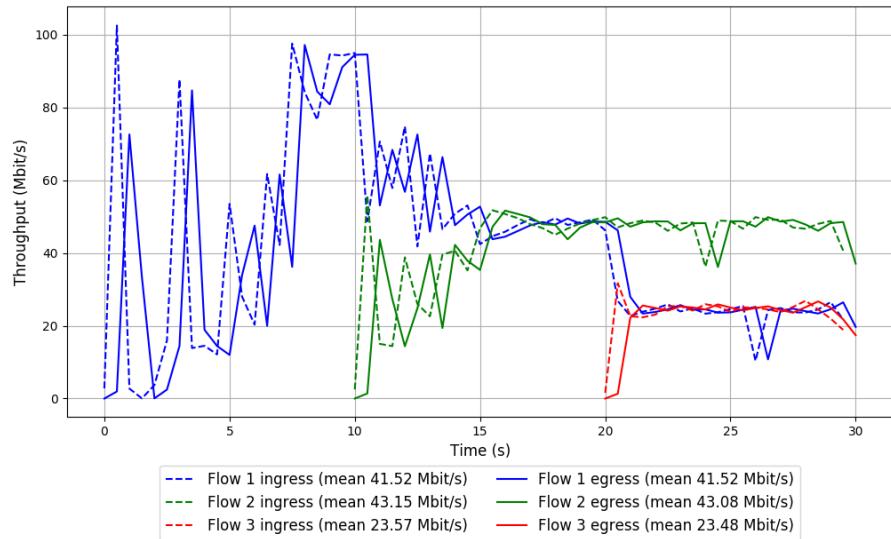


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-10-03 11:52:06
End at: 2019-10-03 11:52:36
Local clock offset: 0.343 ms
Remote clock offset: 8.053 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 99.179 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 98.376 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 90.465 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 163.098 ms
Loss rate: 1.02%
```

Run 2: Report of QUIC Cubic — Data Link

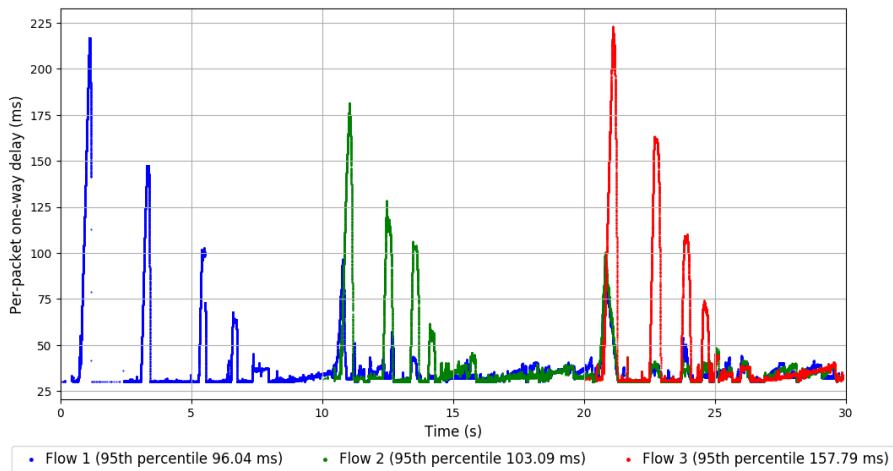
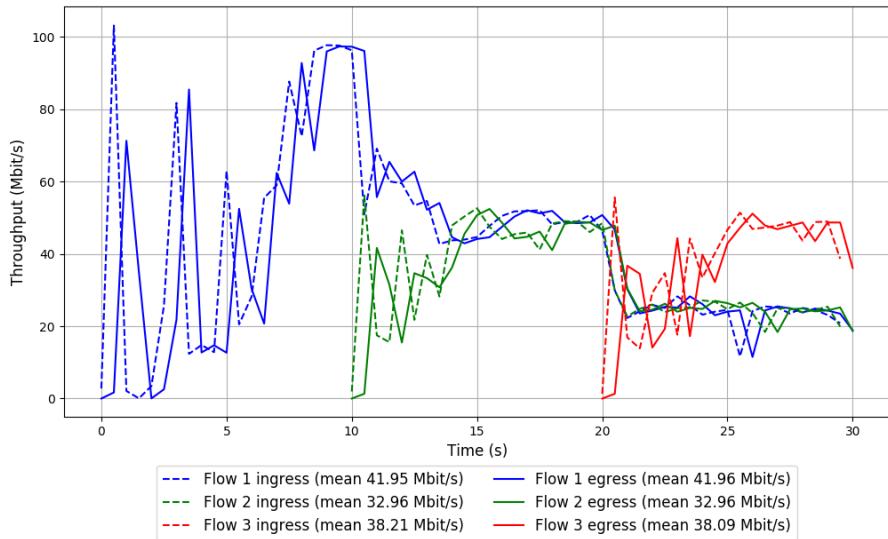


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-10-03 12:48:00
End at: 2019-10-03 12:48:30
Local clock offset: 0.207 ms
Remote clock offset: 7.501 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.40 Mbit/s
95th percentile per-packet one-way delay: 105.506 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 96.037 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 103.093 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 157.789 ms
Loss rate: 0.96%
```

Run 3: Report of QUIC Cubic — Data Link

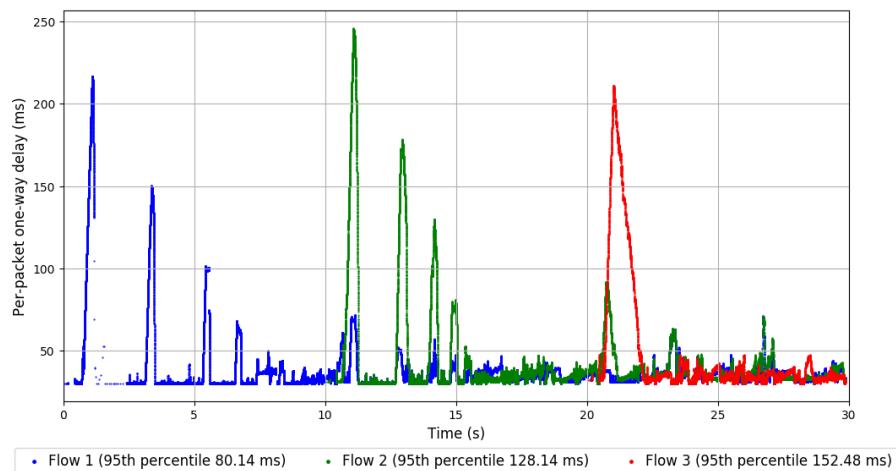
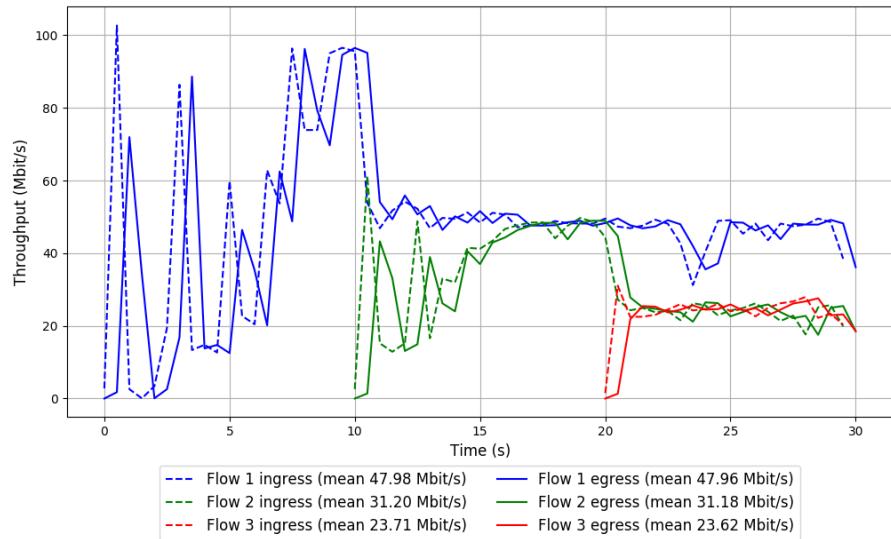


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-10-03 13:54:24
End at: 2019-10-03 13:54:54
Local clock offset: -0.113 ms
Remote clock offset: 7.566 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 100.862 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 80.145 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 128.142 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 152.484 ms
Loss rate: 1.02%
```

Run 4: Report of QUIC Cubic — Data Link

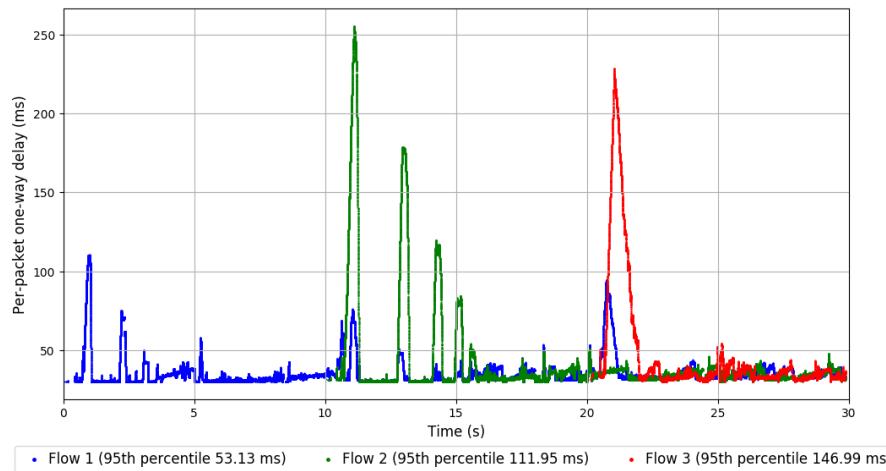
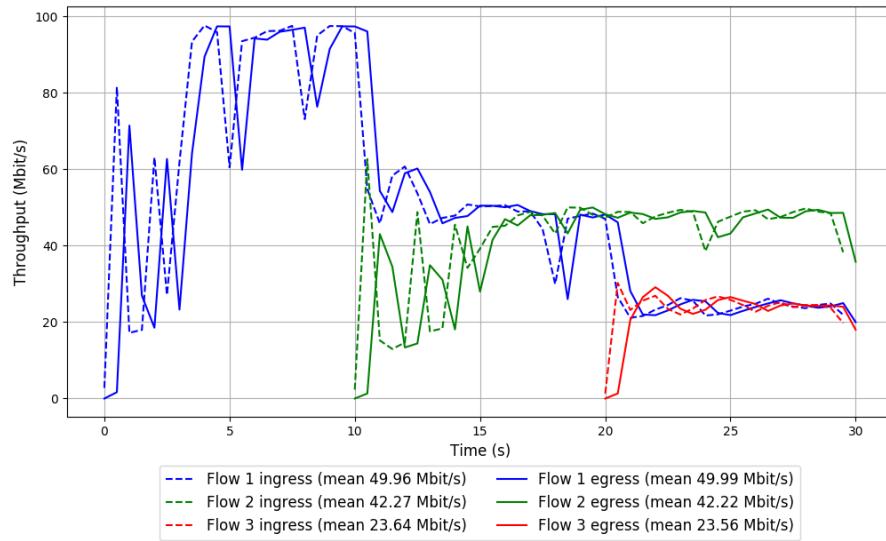


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-10-03 15:18:45
End at: 2019-10-03 15:19:15
Local clock offset: -0.044 ms
Remote clock offset: 7.183 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.80 Mbit/s
95th percentile per-packet one-way delay: 70.791 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 53.132 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 111.950 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 146.986 ms
Loss rate: 0.98%
```

Run 5: Report of QUIC Cubic — Data Link

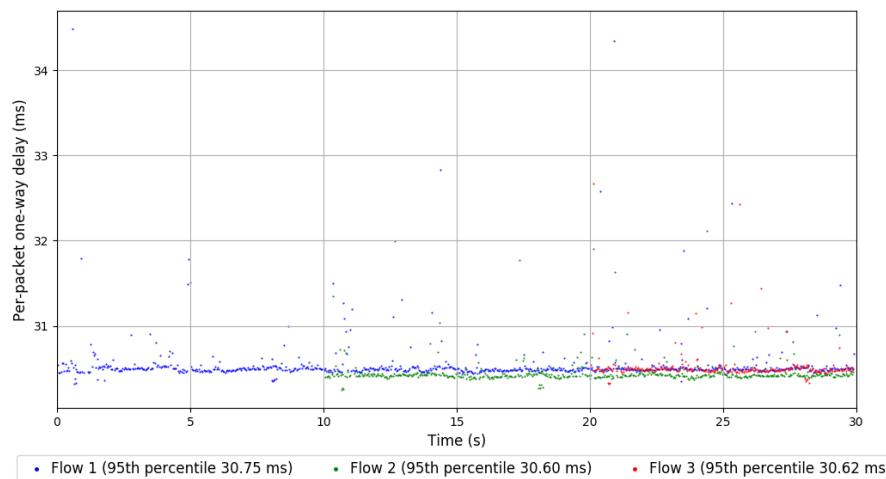
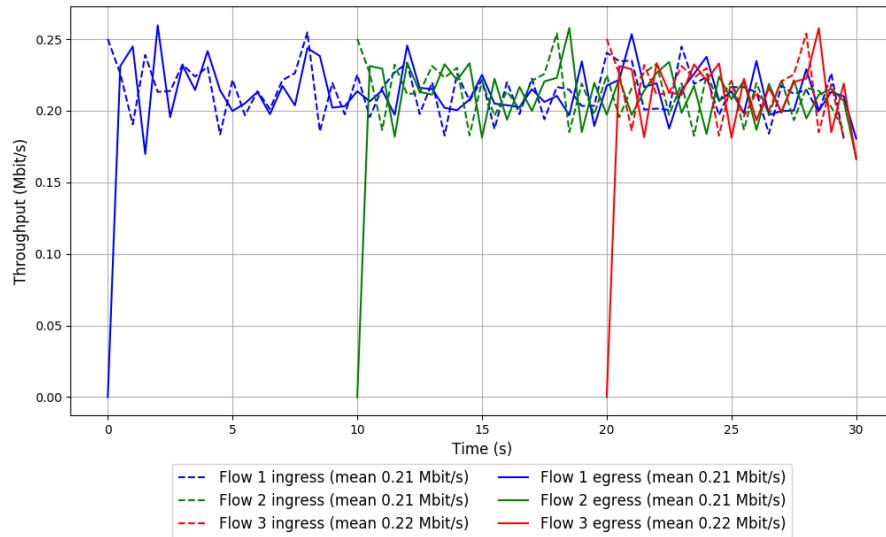


Run 1: Statistics of SCReAM

```
Start at: 2019-10-03 11:46:31
End at: 2019-10-03 11:47:01
Local clock offset: 0.357 ms
Remote clock offset: 8.006 ms

# Below is generated by plot.py at 2019-10-03 16:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.681 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.753 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 0.71%
```

Run 1: Report of SCReAM — Data Link

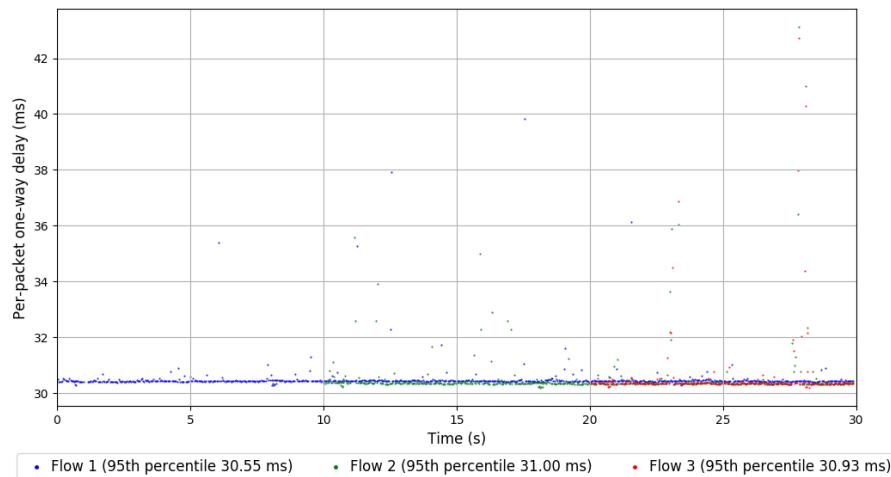
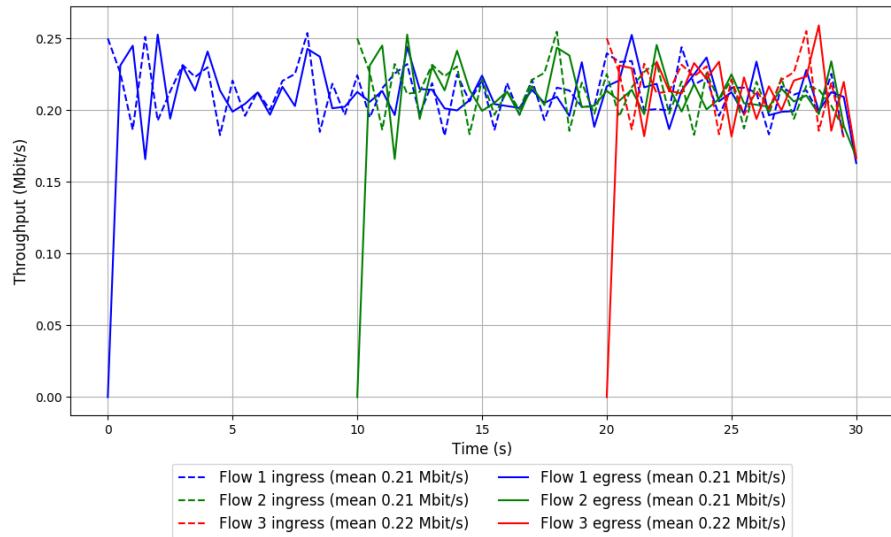


Run 2: Statistics of SCReAM

```
Start at: 2019-10-03 12:40:29
End at: 2019-10-03 12:40:59
Local clock offset: 0.253 ms
Remote clock offset: 7.601 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.679 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.554 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.999 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.926 ms
Loss rate: 0.71%
```

Run 2: Report of SCReAM — Data Link

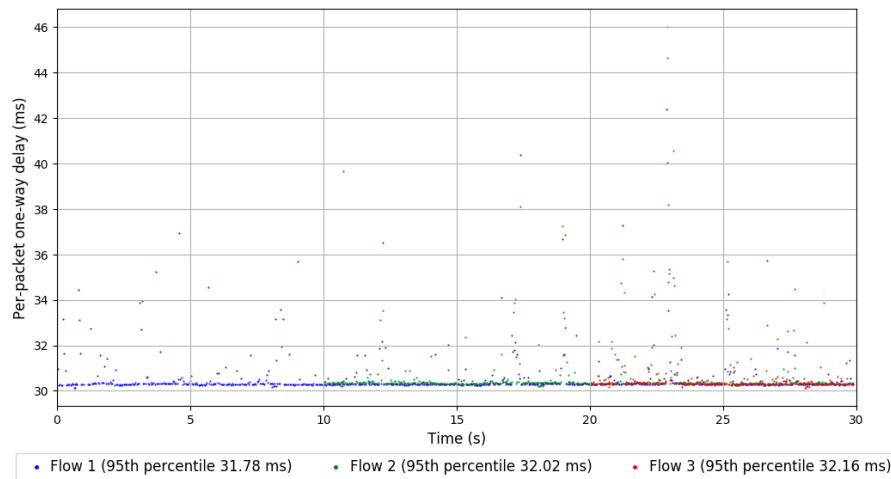
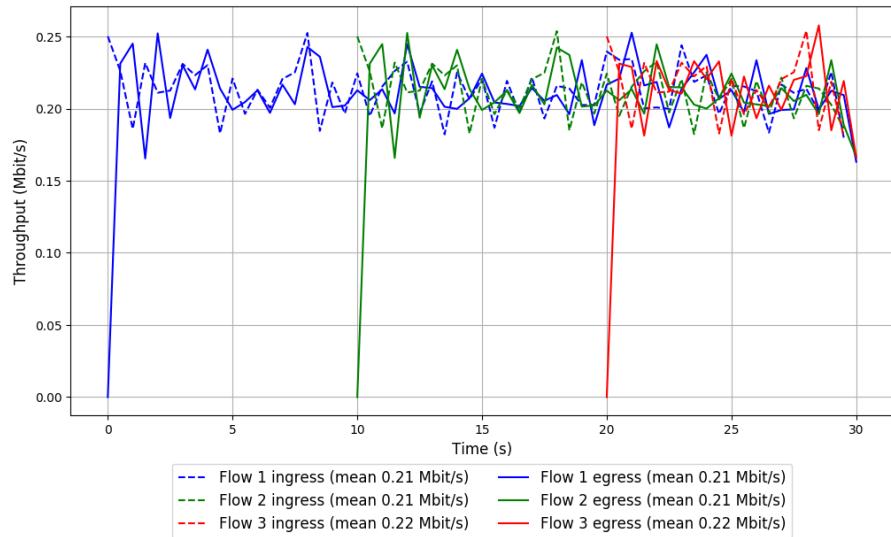


Run 3: Statistics of SCReAM

```
Start at: 2019-10-03 13:46:06
End at: 2019-10-03 13:46:36
Local clock offset: -0.09 ms
Remote clock offset: 7.633 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.939 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.778 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.019 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.165 ms
Loss rate: 0.71%
```

Run 3: Report of SCReAM — Data Link

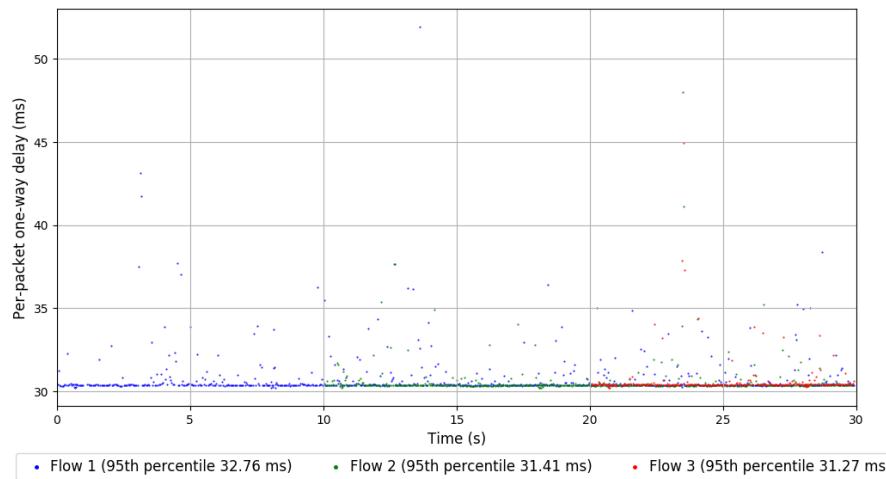
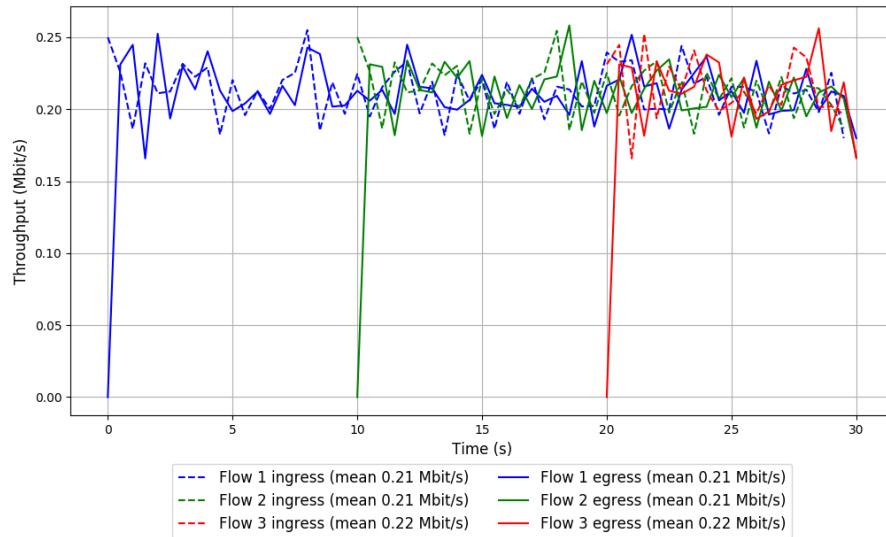


Run 4: Statistics of SCReAM

```
Start at: 2019-10-03 15:09:51
End at: 2019-10-03 15:10:21
Local clock offset: -0.018 ms
Remote clock offset: 7.285 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.156 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.757 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.407 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.266 ms
Loss rate: 0.71%
```

Run 4: Report of SCReAM — Data Link

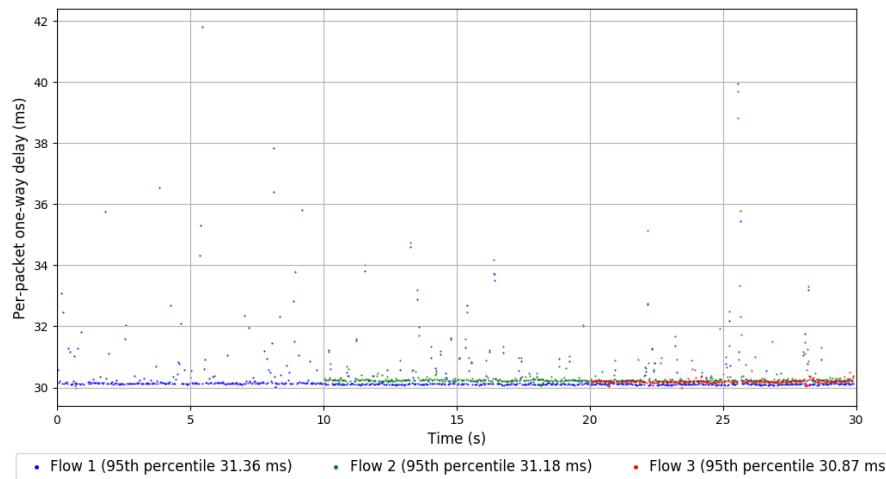
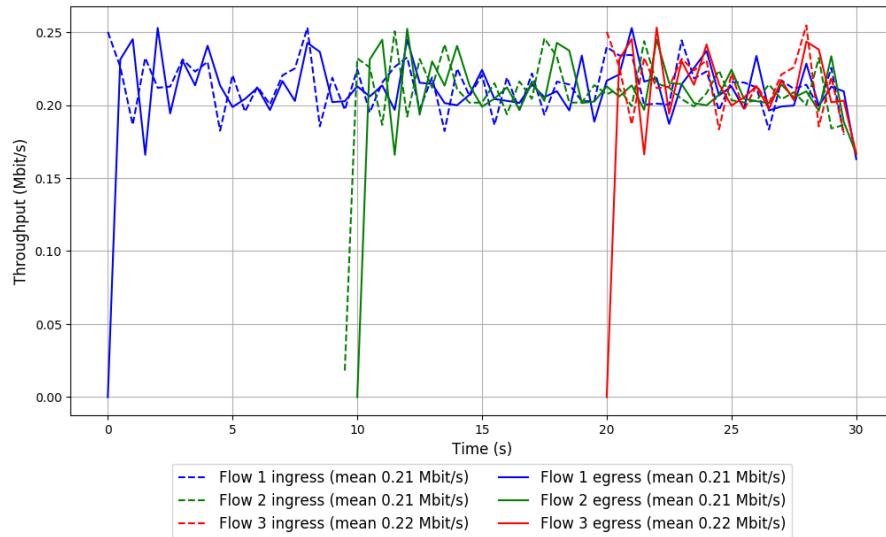


Run 5: Statistics of SCReAM

```
Start at: 2019-10-03 16:22:51
End at: 2019-10-03 16:23:21
Local clock offset: 0.045 ms
Remote clock offset: 6.666 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.221 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.360 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 0.71%
```

Run 5: Report of SCReAM — Data Link

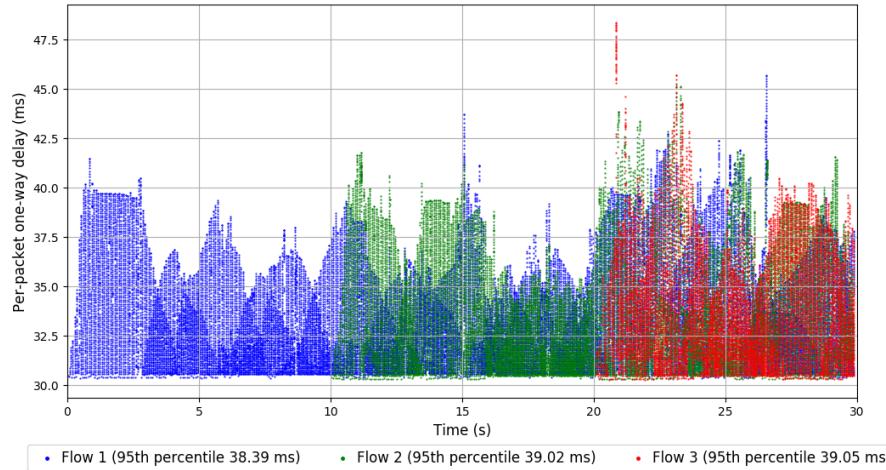
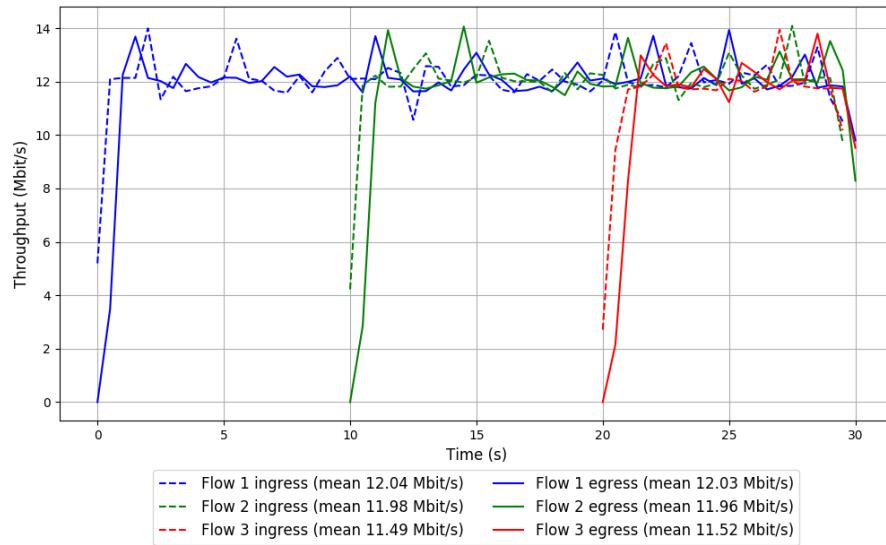


Run 1: Statistics of Sprout

```
Start at: 2019-10-03 11:04:59
End at: 2019-10-03 11:05:29
Local clock offset: 0.401 ms
Remote clock offset: 6.879 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 38.748 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 38.391 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 39.021 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 39.049 ms
Loss rate: 0.29%
```

Run 1: Report of Sprout — Data Link

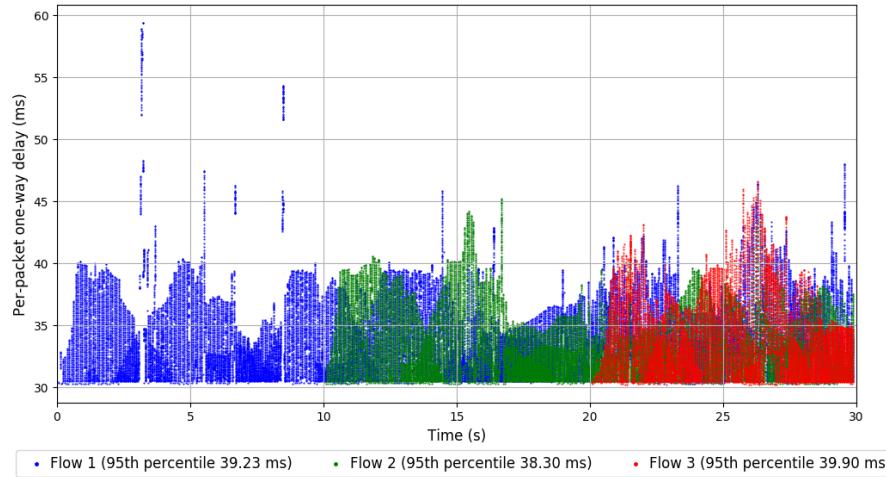
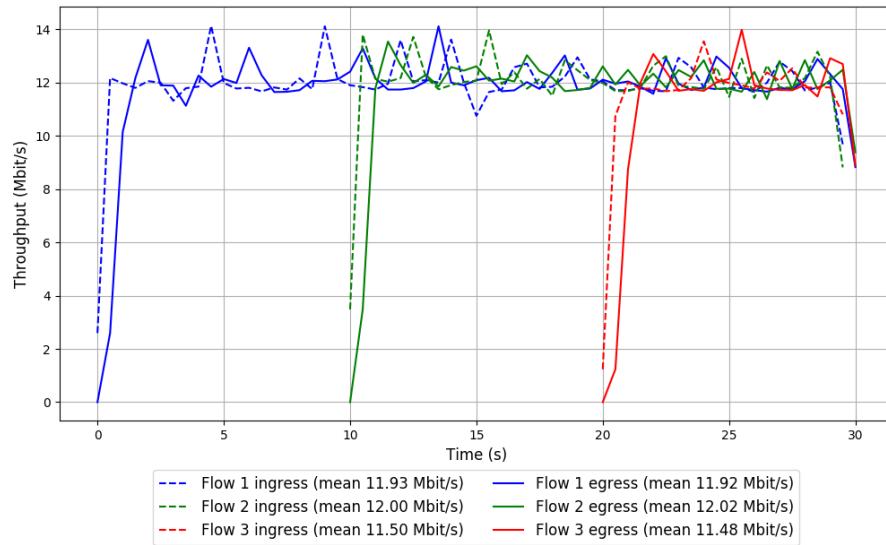


Run 2: Statistics of Sprout

```
Start at: 2019-10-03 11:55:34
End at: 2019-10-03 11:56:04
Local clock offset: 0.334 ms
Remote clock offset: 7.95 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 39.066 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 39.228 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 38.300 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 39.896 ms
Loss rate: 0.84%
```

Run 2: Report of Sprout — Data Link

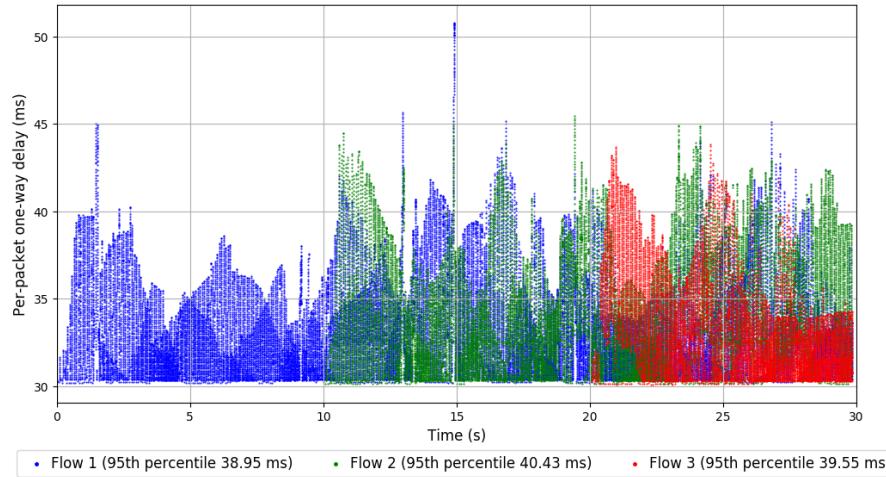
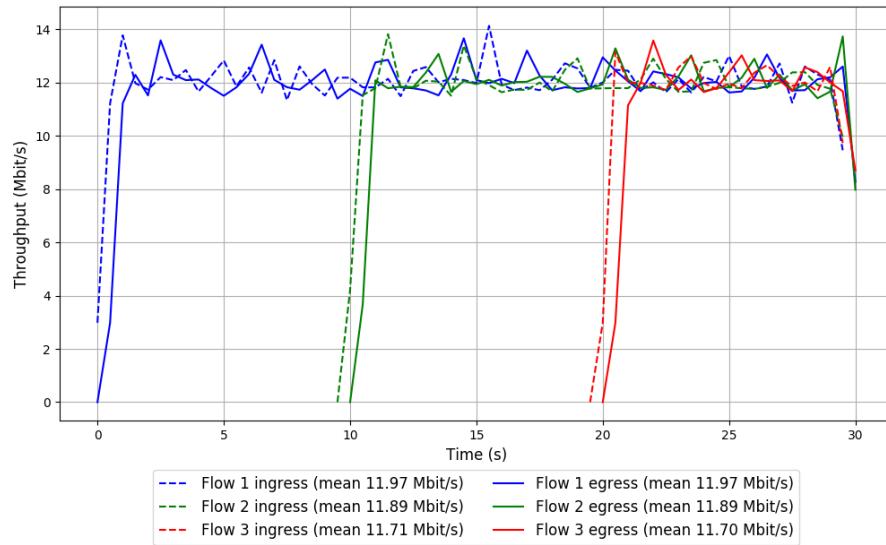


Run 3: Statistics of Sprout

```
Start at: 2019-10-03 12:52:25
End at: 2019-10-03 12:52:55
Local clock offset: 0.203 ms
Remote clock offset: 7.474 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 39.631 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 38.949 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 40.433 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 39.545 ms
Loss rate: 0.84%
```

Run 3: Report of Sprout — Data Link

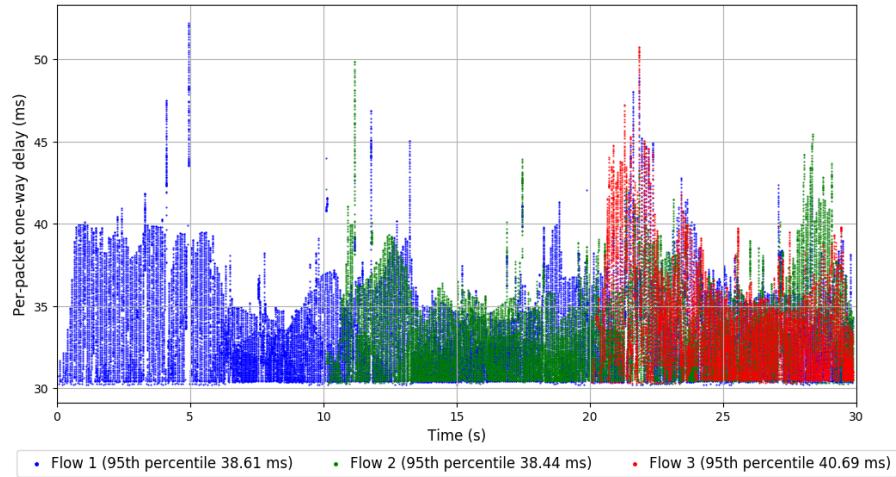
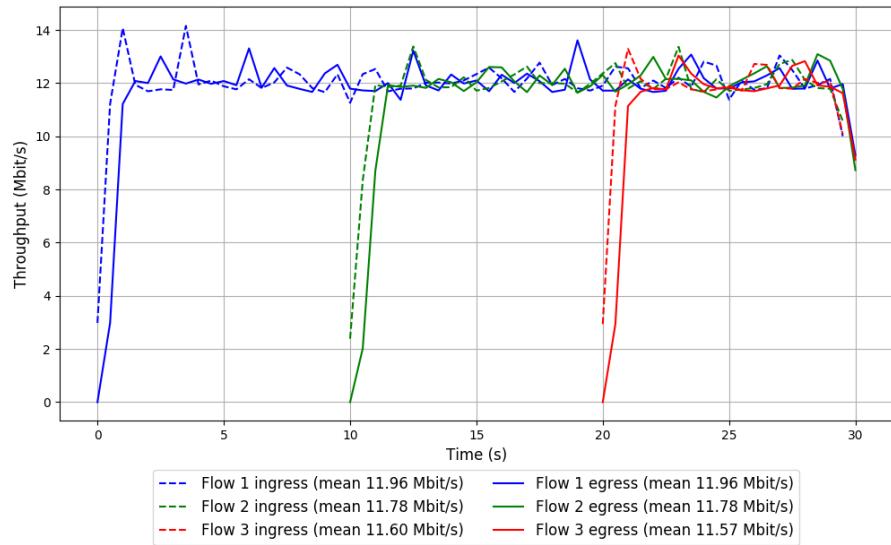


Run 4: Statistics of Sprout

```
Start at: 2019-10-03 14:00:52
End at: 2019-10-03 14:01:22
Local clock offset: -0.035 ms
Remote clock offset: 7.429 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 38.866 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 38.613 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 38.444 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 40.693 ms
Loss rate: 0.78%
```

Run 4: Report of Sprout — Data Link

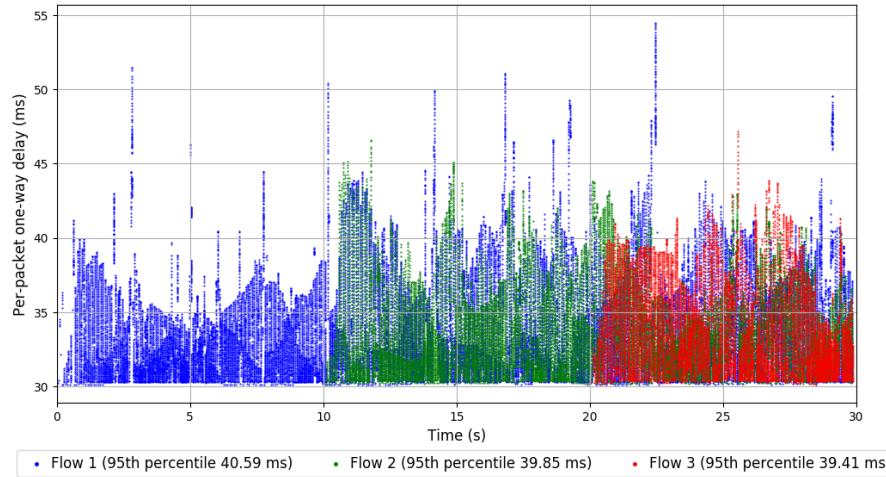
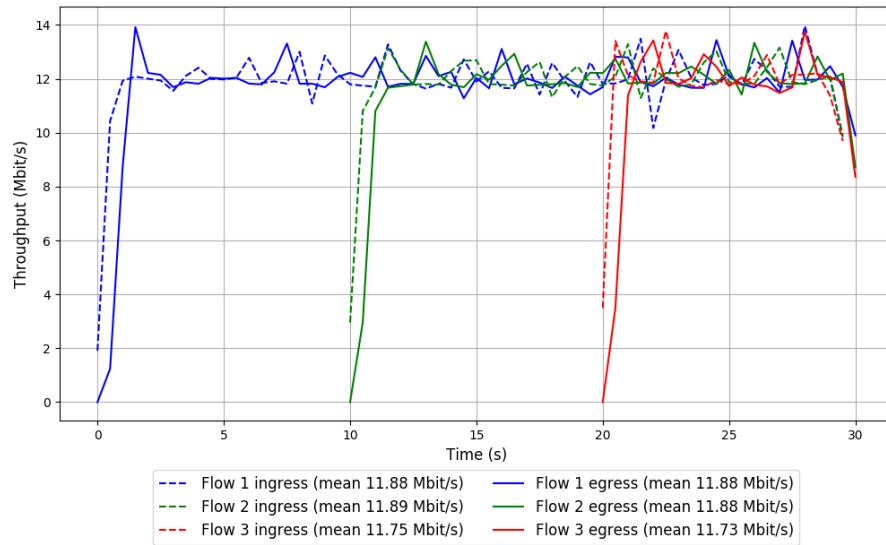


Run 5: Statistics of Sprout

```
Start at: 2019-10-03 15:26:09
End at: 2019-10-03 15:26:39
Local clock offset: -0.064 ms
Remote clock offset: 7.361 ms

# Below is generated by plot.py at 2019-10-03 16:44:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 40.129 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 40.585 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 39.846 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 39.412 ms
Loss rate: 0.58%
```

Run 5: Report of Sprout — Data Link

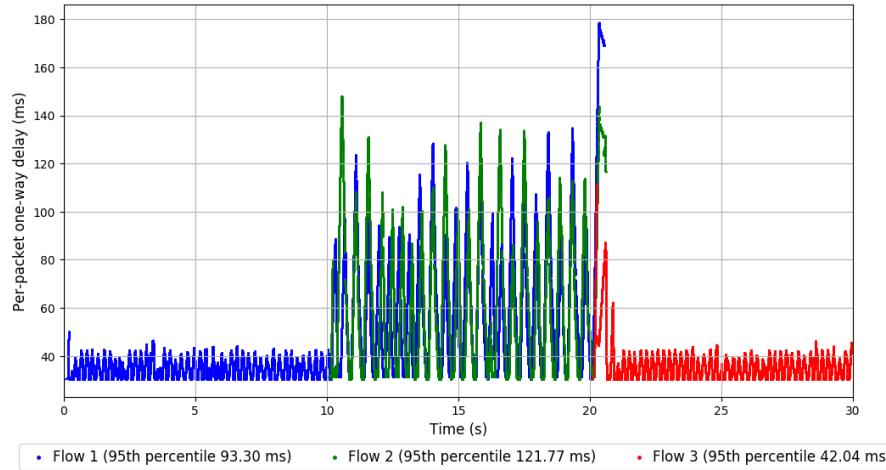
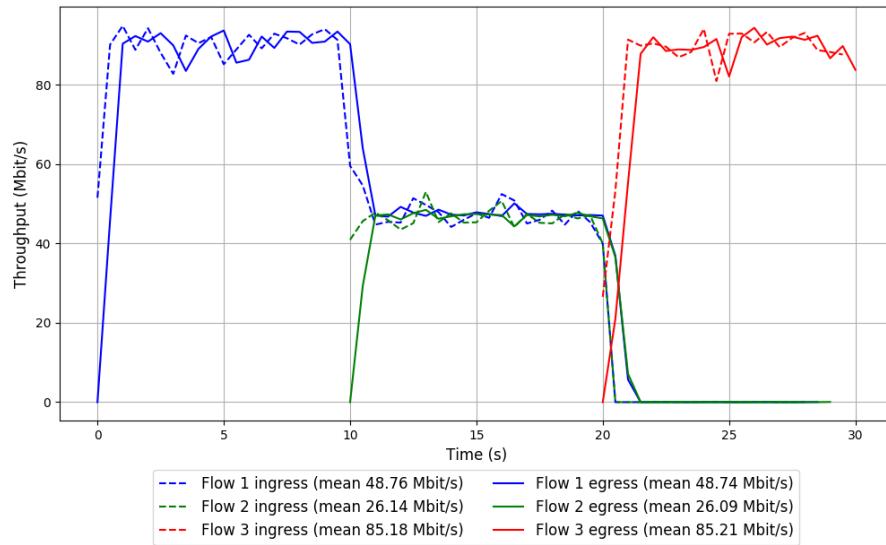


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-10-03 11:19:35
End at: 2019-10-03 11:20:05
Local clock offset: 0.413 ms
Remote clock offset: 7.011 ms

# Below is generated by plot.py at 2019-10-03 16:45:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 96.522 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 93.296 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 121.773 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 42.037 ms
Loss rate: 0.61%
```

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

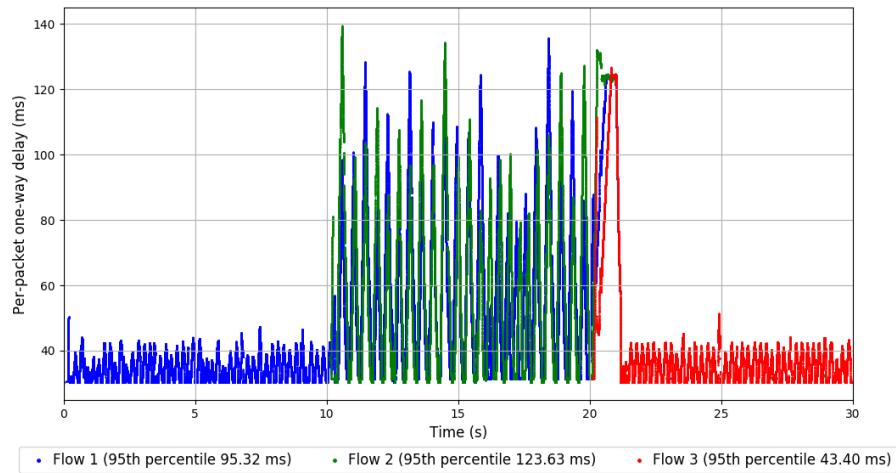
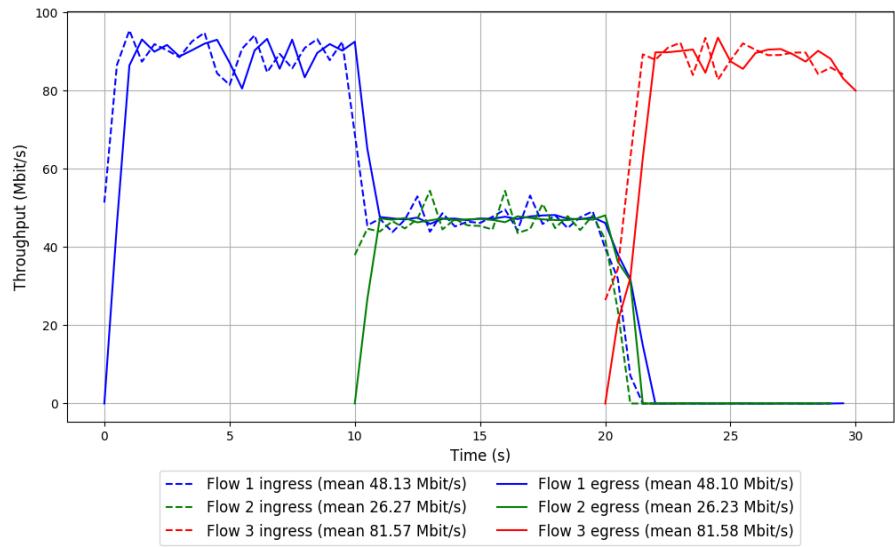


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-10-03 12:09:52
End at: 2019-10-03 12:10:22
Local clock offset: 0.263 ms
Remote clock offset: 7.876 ms

# Below is generated by plot.py at 2019-10-03 16:45:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 98.731 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 95.316 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 123.626 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 43.395 ms
Loss rate: 0.63%
```

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

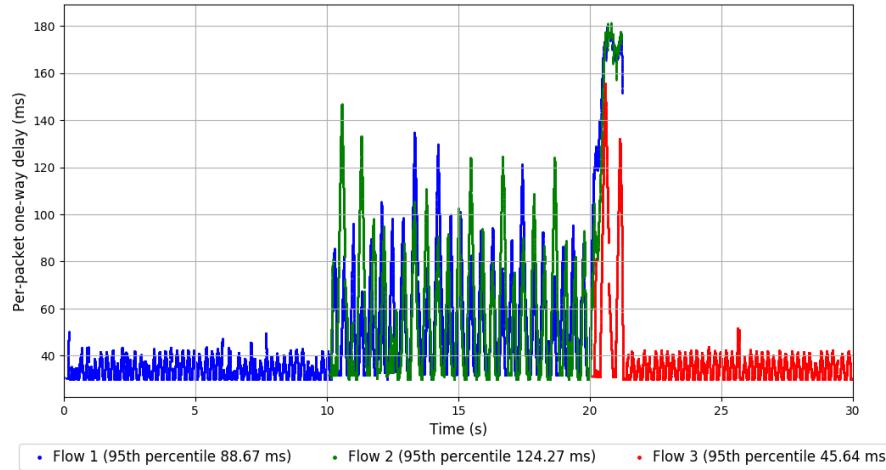
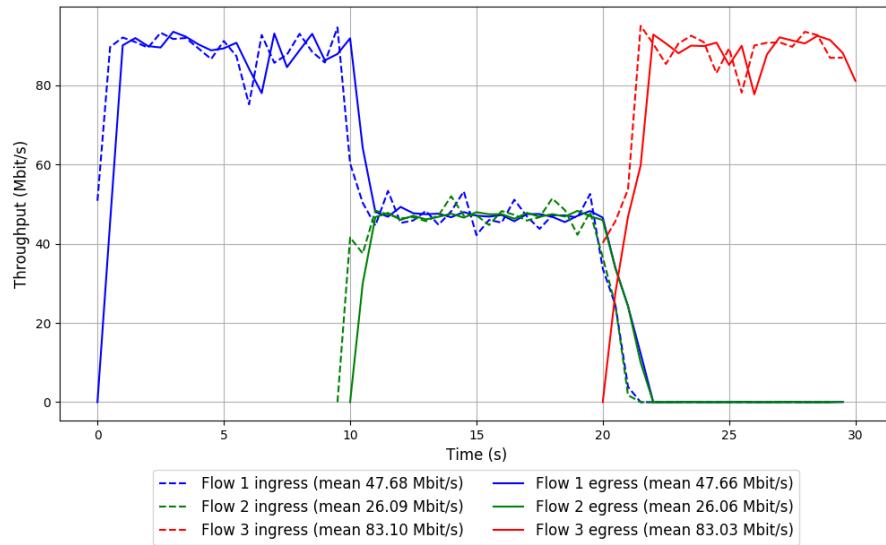


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-10-03 13:08:04
End at: 2019-10-03 13:08:34
Local clock offset: 0.116 ms
Remote clock offset: 7.704 ms

# Below is generated by plot.py at 2019-10-03 16:46:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 95.042 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 88.675 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 124.269 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 45.642 ms
Loss rate: 0.74%
```

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

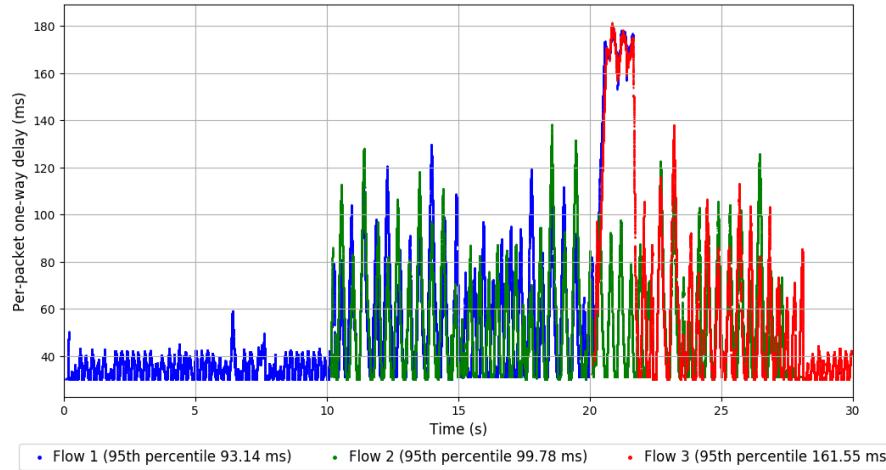
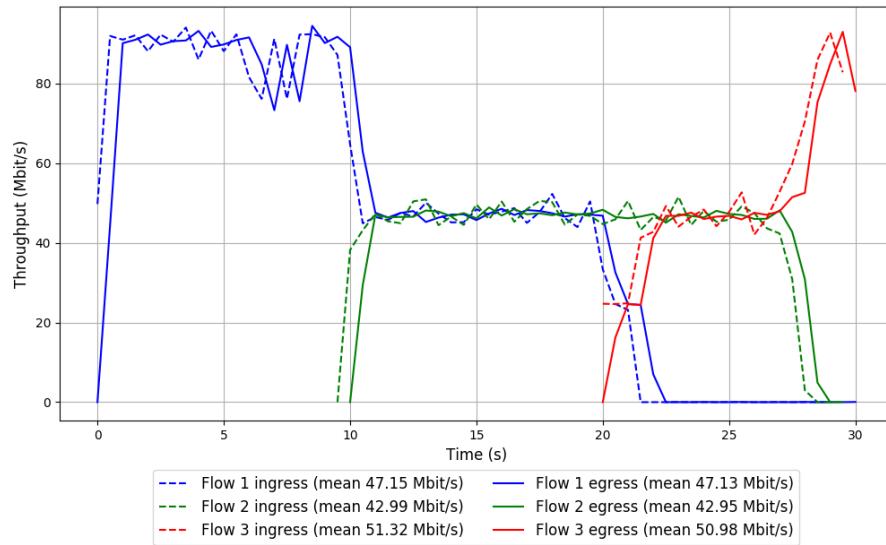


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-10-03 14:20:48
End at: 2019-10-03 14:21:18
Local clock offset: 0.059 ms
Remote clock offset: 7.604 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 101.162 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 93.140 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.95 Mbit/s
95th percentile per-packet one-way delay: 99.778 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 161.551 ms
Loss rate: 1.31%
```

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

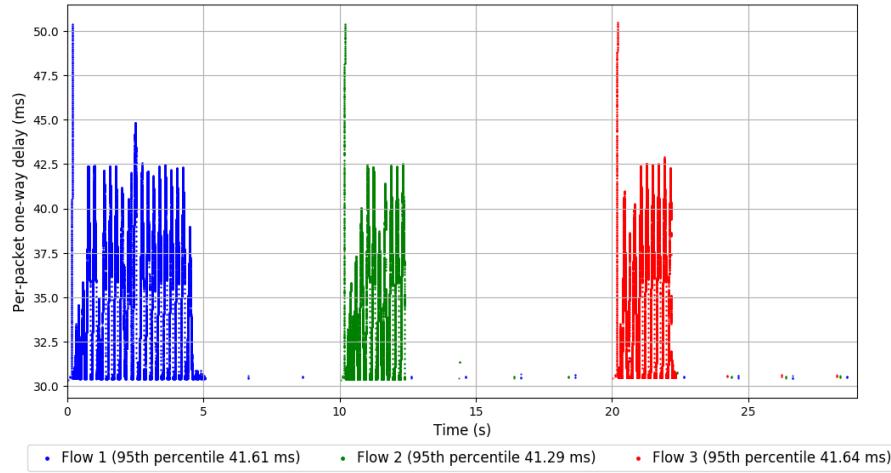
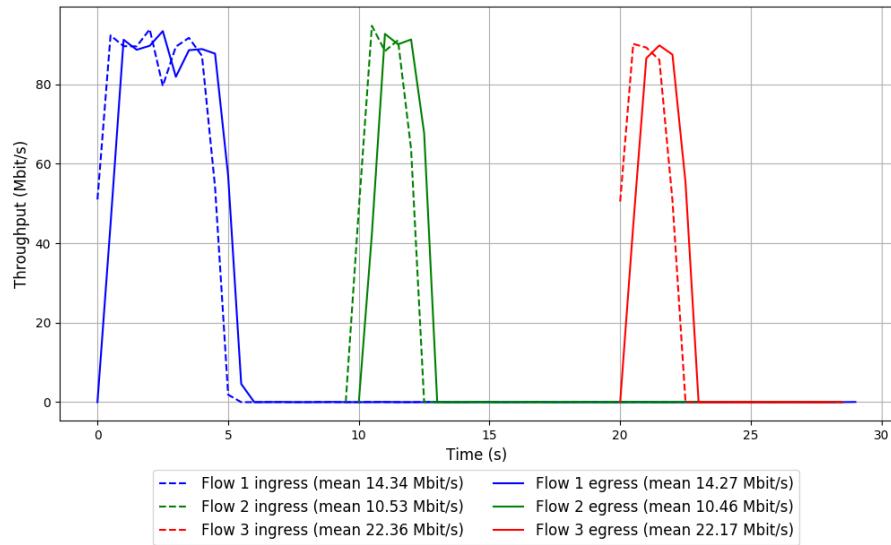


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-10-03 15:49:01
End at: 2019-10-03 15:49:31
Local clock offset: -0.105 ms
Remote clock offset: 7.058 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 41.552 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 41.612 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 41.292 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 22.17 Mbit/s
95th percentile per-packet one-way delay: 41.636 ms
Loss rate: 0.87%
```

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

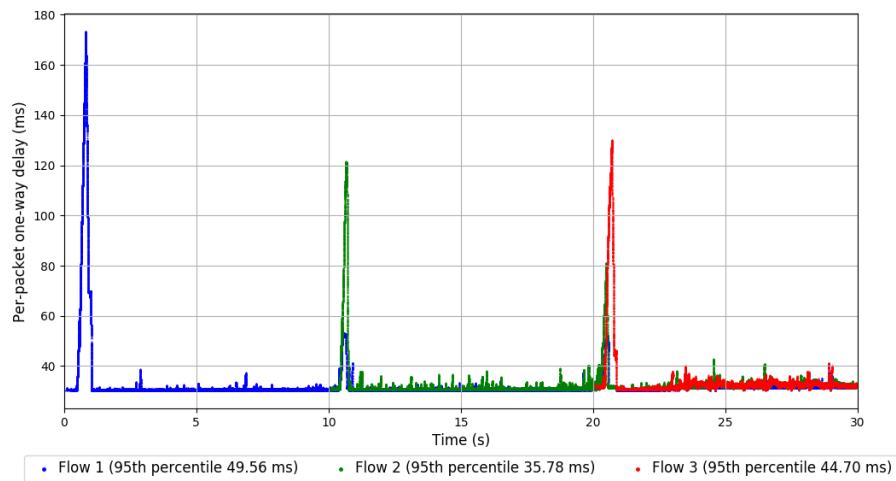
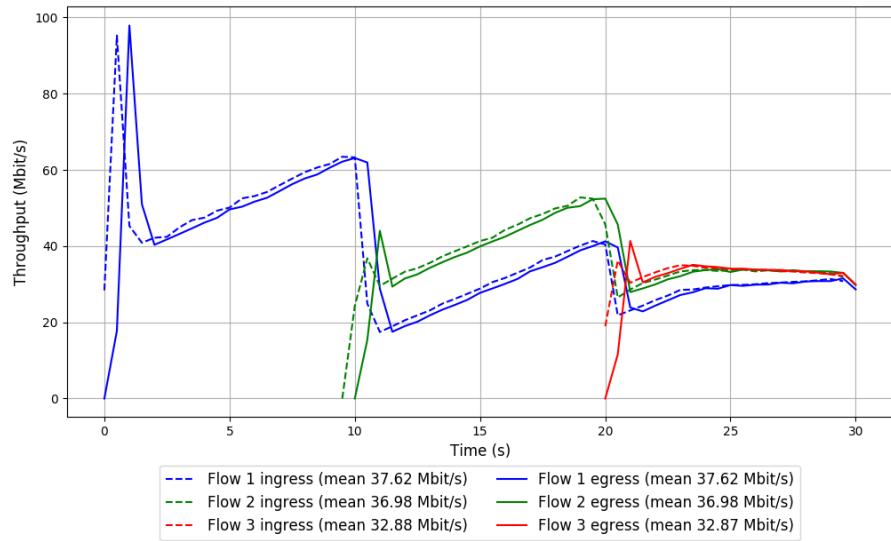


Run 1: Statistics of TCP Vegas

```
Start at: 2019-10-03 11:34:14
End at: 2019-10-03 11:34:44
Local clock offset: 0.353 ms
Remote clock offset: 7.719 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.13 Mbit/s
95th percentile per-packet one-way delay: 39.907 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 49.560 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 35.781 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 44.696 ms
Loss rate: 0.68%
```

Run 1: Report of TCP Vegas — Data Link

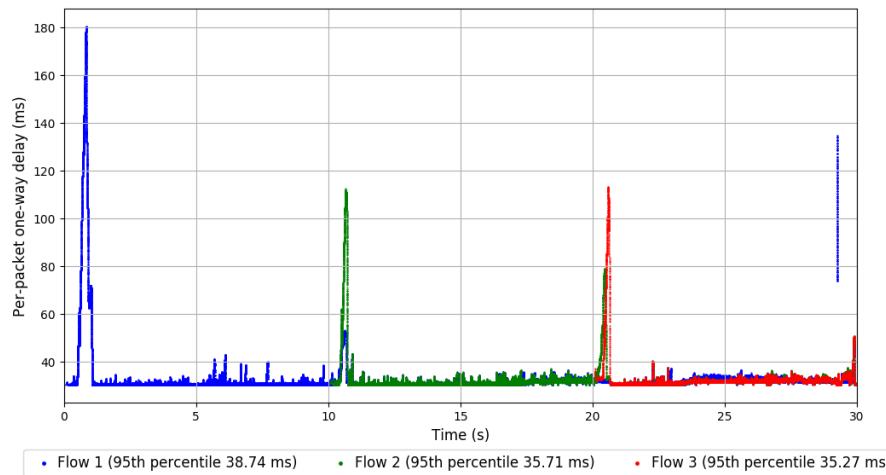
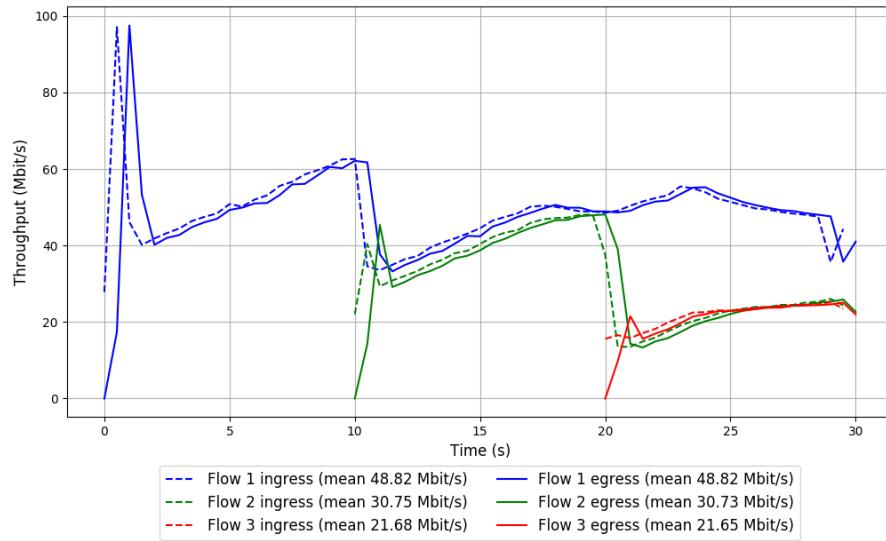


Run 2: Statistics of TCP Vegas

```
Start at: 2019-10-03 12:26:27
End at: 2019-10-03 12:26:57
Local clock offset: 0.266 ms
Remote clock offset: 8.026 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.45 Mbit/s
95th percentile per-packet one-way delay: 37.225 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 38.745 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 35.714 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 35.274 ms
Loss rate: 0.78%
```

Run 2: Report of TCP Vegas — Data Link

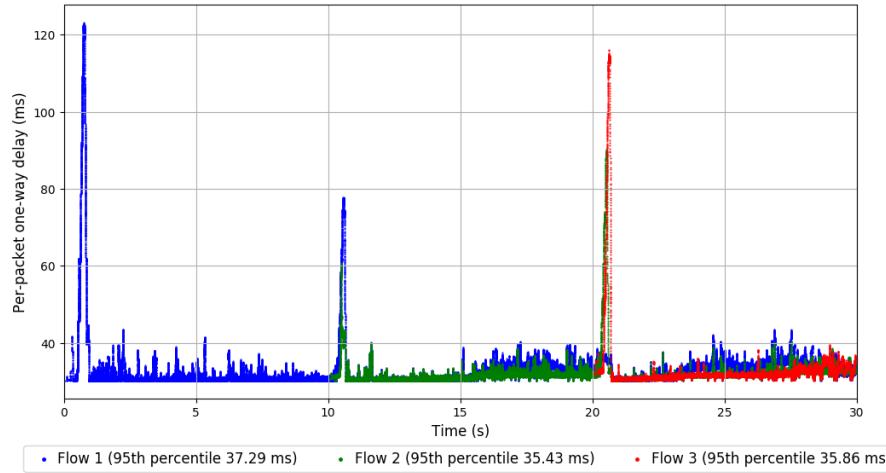
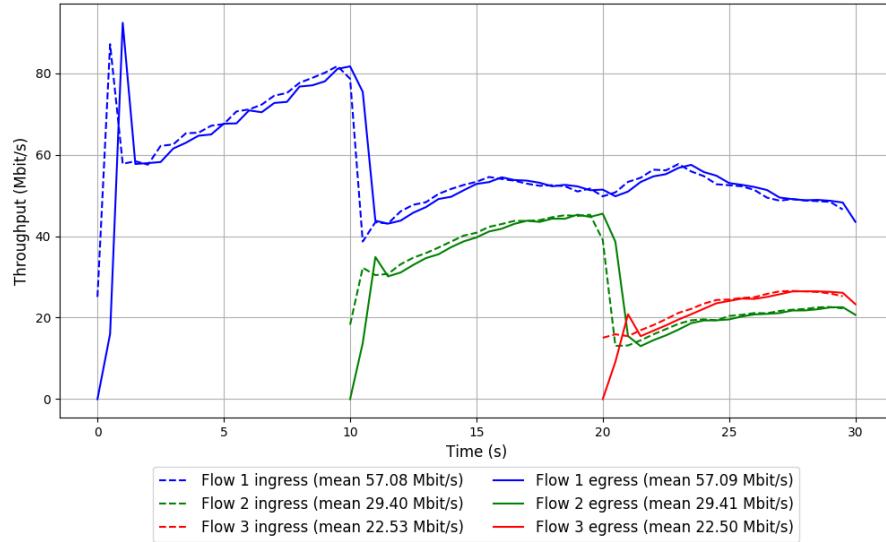


Run 3: Statistics of TCP Vegas

```
Start at: 2019-10-03 13:25:41
End at: 2019-10-03 13:26:11
Local clock offset: 0.026 ms
Remote clock offset: 7.571 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 36.837 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 37.286 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 35.428 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 35.864 ms
Loss rate: 0.80%
```

Run 3: Report of TCP Vegas — Data Link

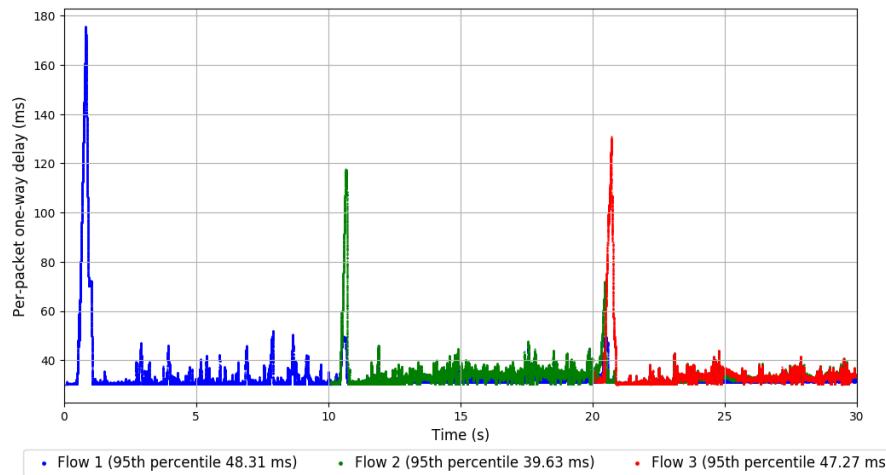
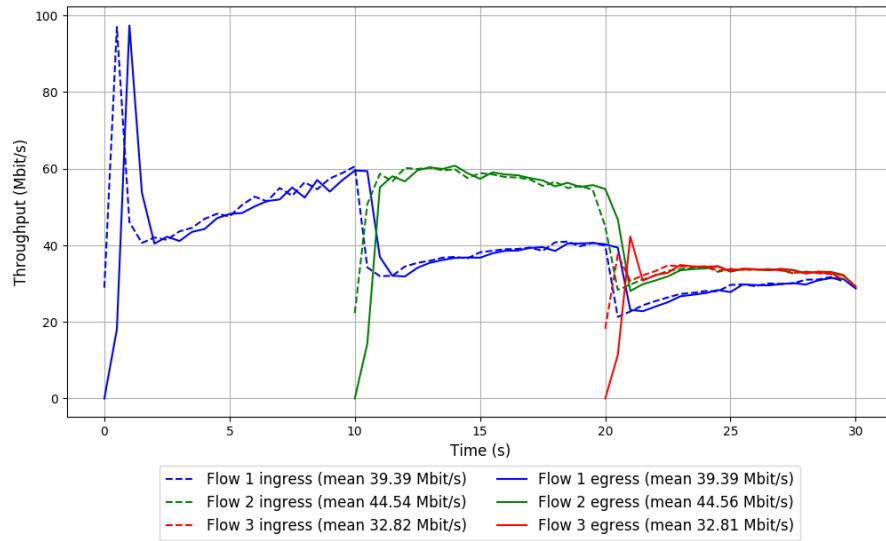


Run 4: Statistics of TCP Vegas

```
Start at: 2019-10-03 14:43:55
End at: 2019-10-03 14:44:25
Local clock offset: 0.007 ms
Remote clock offset: 7.744 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: 42.916 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 48.308 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 39.628 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 47.268 ms
Loss rate: 0.69%
```

Run 4: Report of TCP Vegas — Data Link

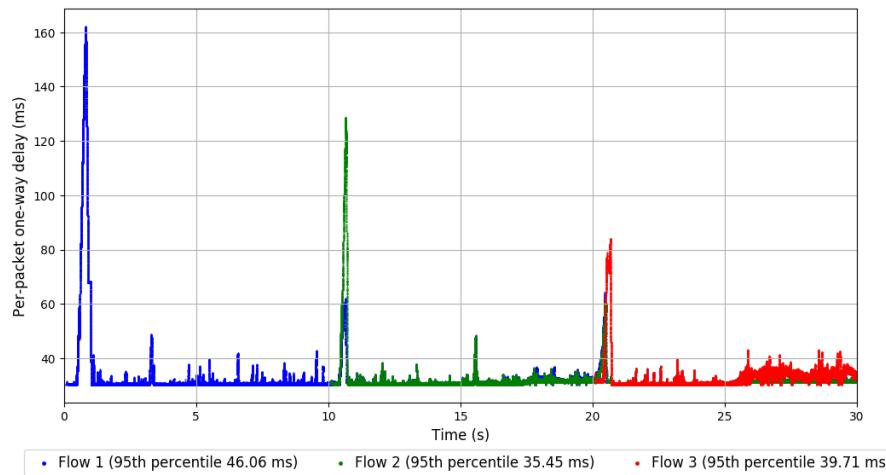
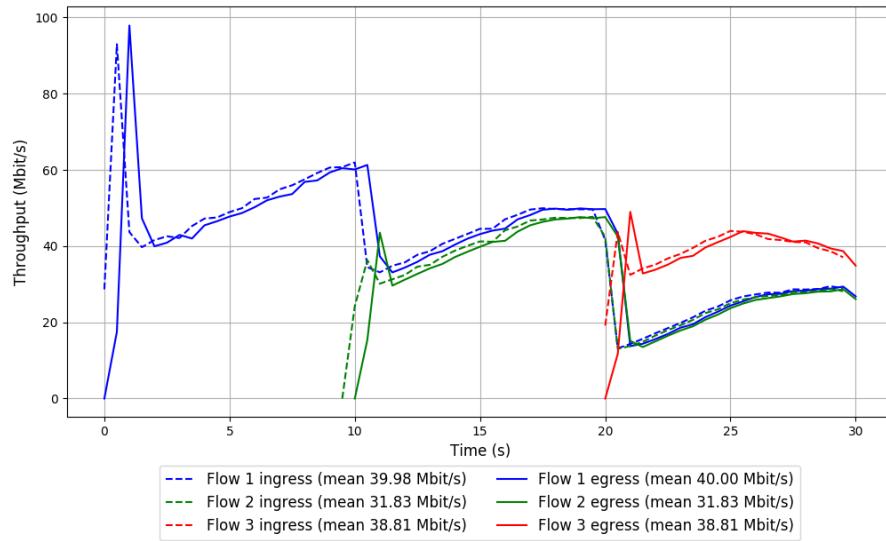


Run 5: Statistics of TCP Vegas

```
Start at: 2019-10-03 16:04:11
End at: 2019-10-03 16:04:41
Local clock offset: -0.019 ms
Remote clock offset: 6.635 ms

# Below is generated by plot.py at 2019-10-03 16:46:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 40.560 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 46.062 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 35.445 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 39.714 ms
Loss rate: 0.66%
```

Run 5: Report of TCP Vegas — Data Link

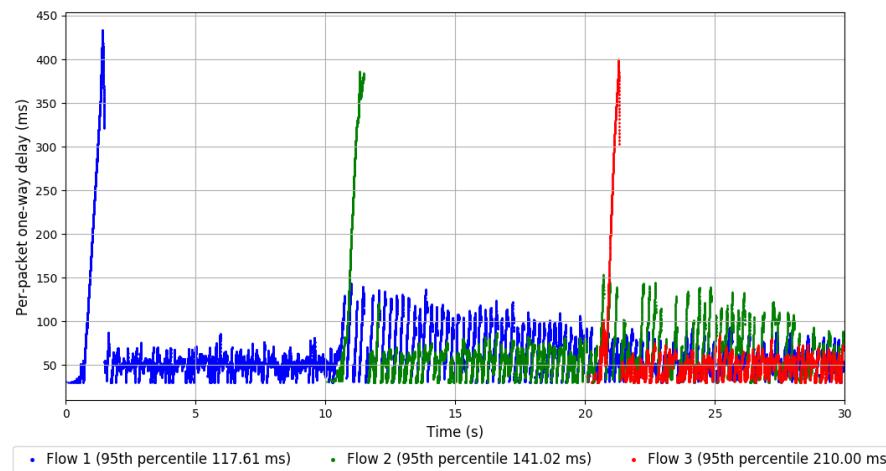
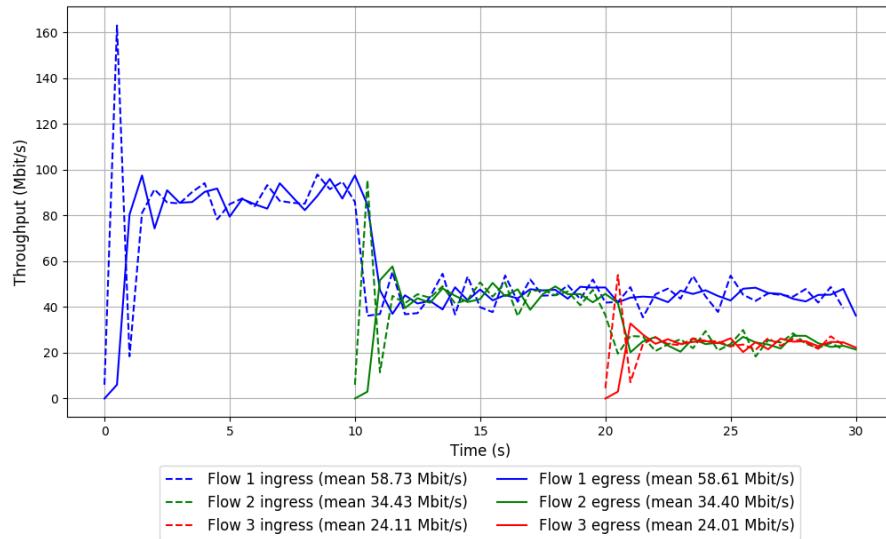


Run 1: Statistics of Verus

```
Start at: 2019-10-03 11:40:12
End at: 2019-10-03 11:40:42
Local clock offset: 0.346 ms
Remote clock offset: 7.723 ms

# Below is generated by plot.py at 2019-10-03 16:46:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 124.656 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 117.615 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 141.018 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 210.003 ms
Loss rate: 1.07%
```

Run 1: Report of Verus — Data Link

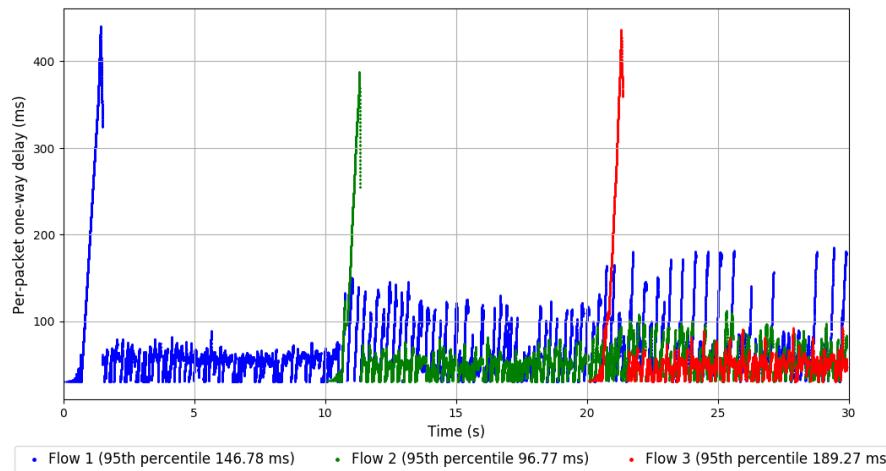
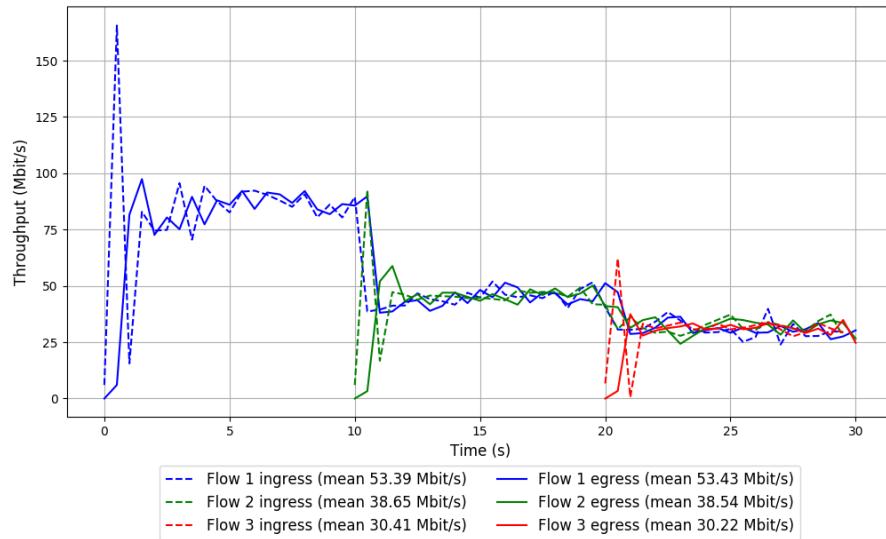


Run 2: Statistics of Verus

```
Start at: 2019-10-03 12:33:35
End at: 2019-10-03 12:34:05
Local clock offset: 0.265 ms
Remote clock offset: 7.698 ms

# Below is generated by plot.py at 2019-10-03 16:46:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 141.426 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 146.782 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 96.772 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 189.274 ms
Loss rate: 1.23%
```

Run 2: Report of Verus — Data Link

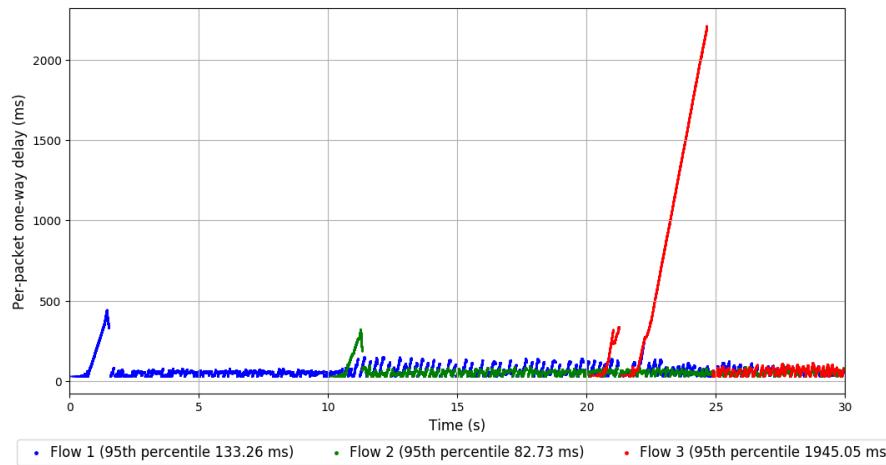
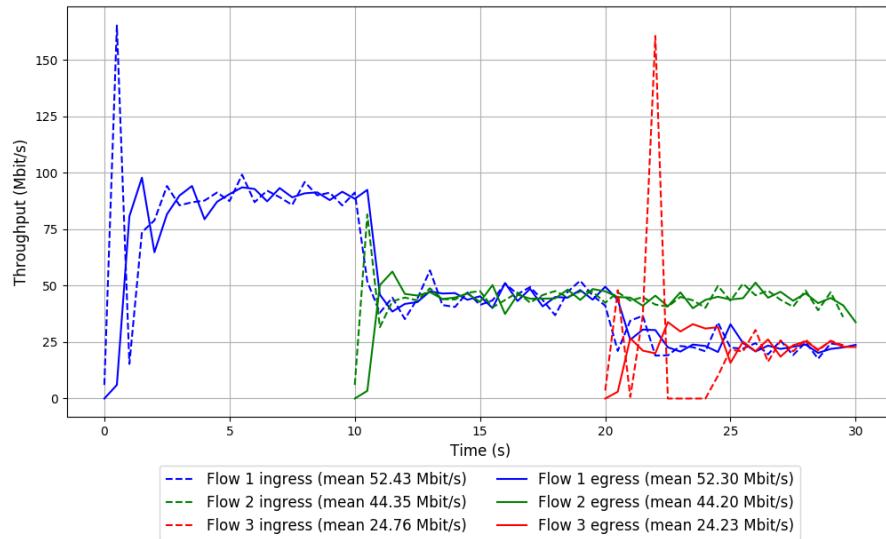


Run 3: Statistics of Verus

```
Start at: 2019-10-03 13:35:56
End at: 2019-10-03 13:36:26
Local clock offset: -0.05 ms
Remote clock offset: 7.709 ms

# Below is generated by plot.py at 2019-10-03 16:46:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 256.909 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 52.30 Mbit/s
95th percentile per-packet one-way delay: 133.263 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 82.735 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 1945.053 ms
Loss rate: 2.73%
```

Run 3: Report of Verus — Data Link

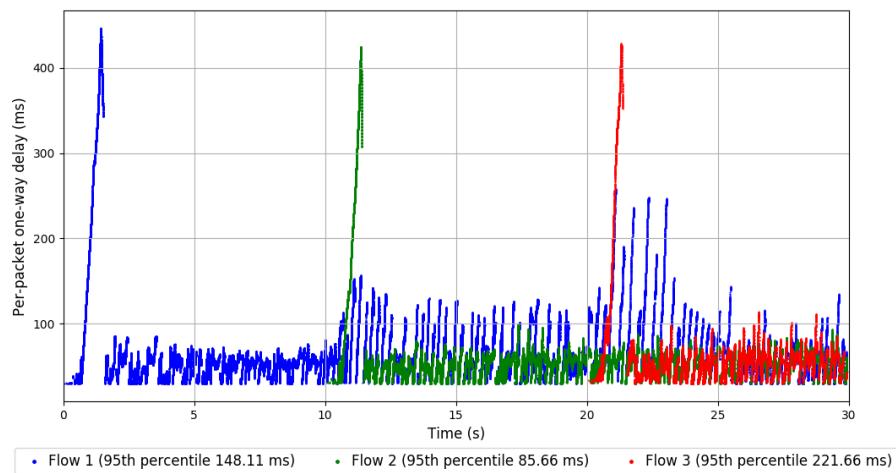
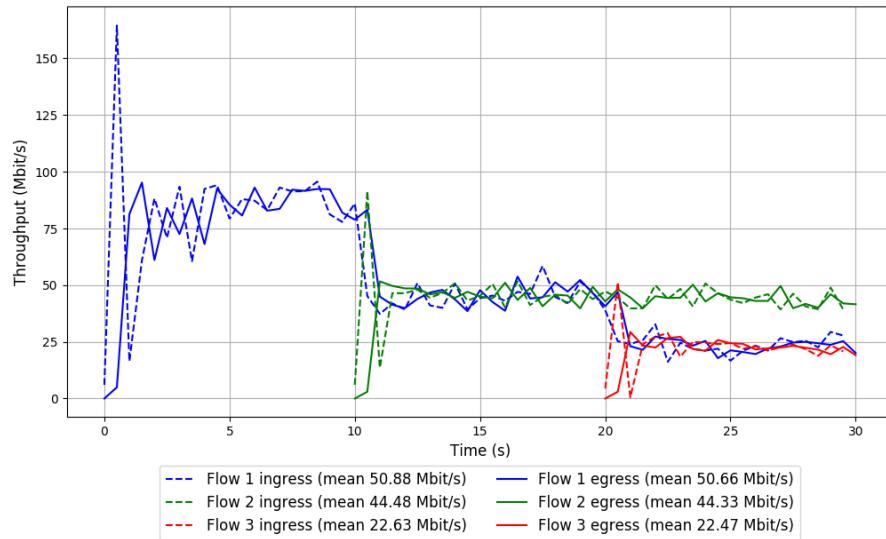


Run 4: Statistics of Verus

```
Start at: 2019-10-03 14:53:47
End at: 2019-10-03 14:54:17
Local clock offset: -0.016 ms
Remote clock offset: 7.508 ms

# Below is generated by plot.py at 2019-10-03 16:46:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 136.601 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 148.112 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 85.657 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 221.662 ms
Loss rate: 1.35%
```

Run 4: Report of Verus — Data Link

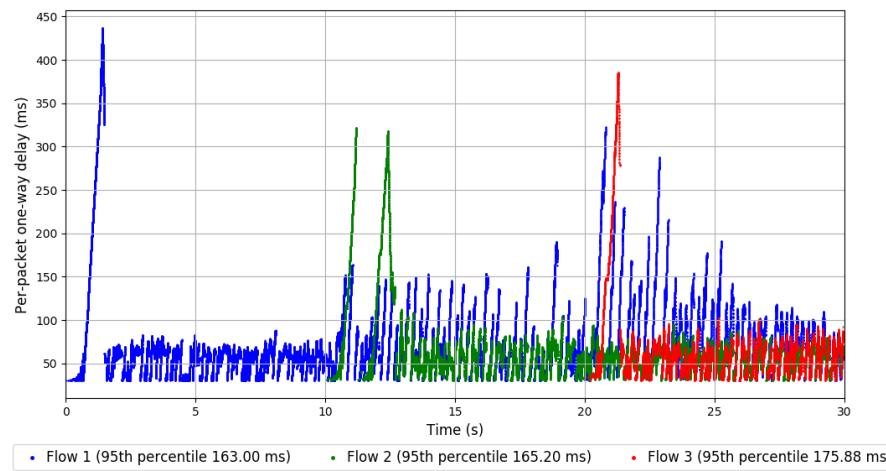
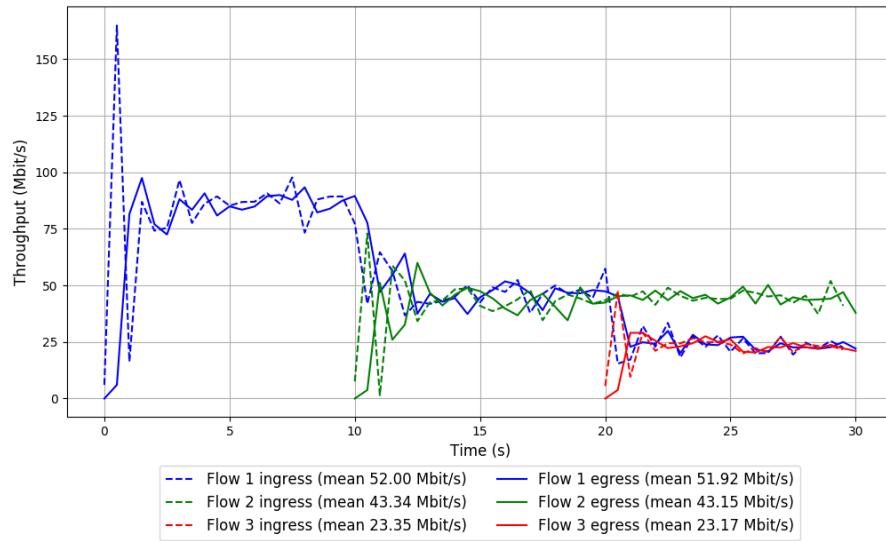


Run 5: Statistics of Verus

```
Start at: 2019-10-03 16:11:38
End at: 2019-10-03 16:12:08
Local clock offset: 0.023 ms
Remote clock offset: 6.52 ms

# Below is generated by plot.py at 2019-10-03 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 164.949 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 162.997 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 165.201 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 175.879 ms
Loss rate: 1.23%
```

Run 5: Report of Verus — Data Link

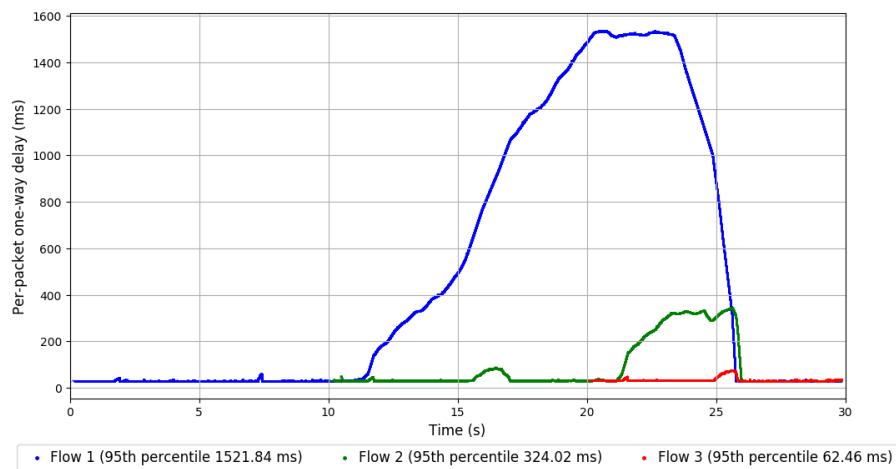
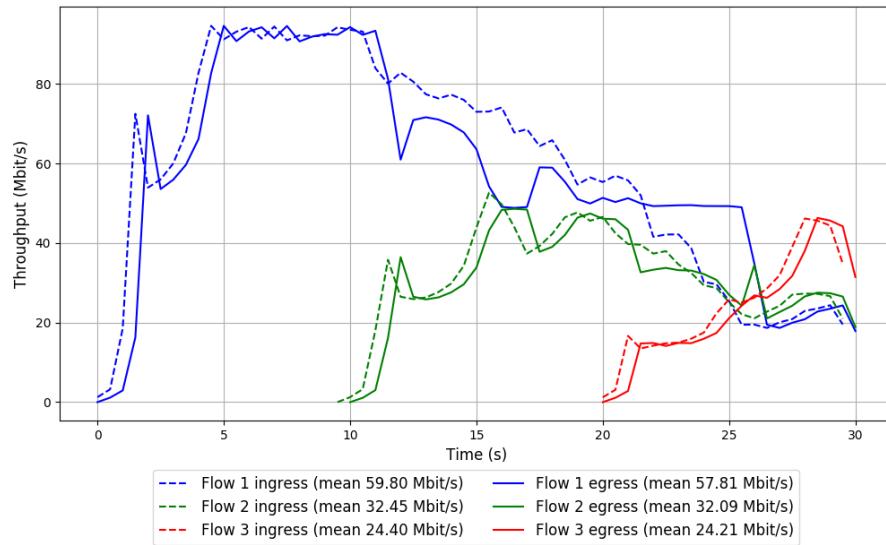


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-10-03 11:11:29
End at: 2019-10-03 11:11:59
Local clock offset: 0.415 ms
Remote clock offset: 6.82 ms

# Below is generated by plot.py at 2019-10-03 16:47:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 1517.780 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 1521.837 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 324.017 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 62.461 ms
Loss rate: 1.43%
```

Run 1: Report of PCC-Vivace — Data Link

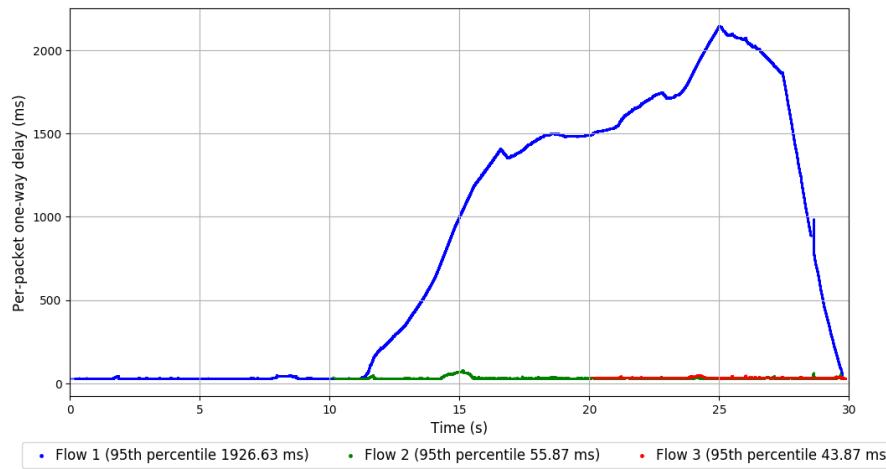
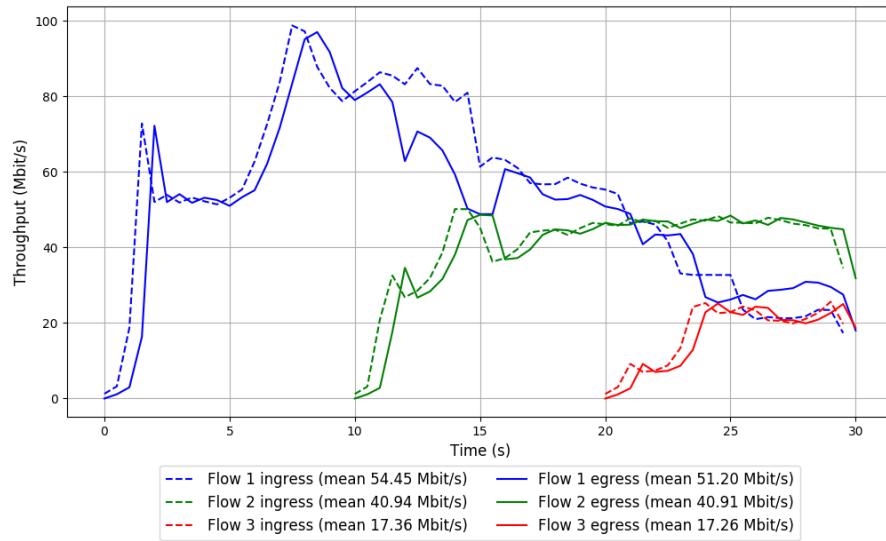


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-10-03 12:01:37
End at: 2019-10-03 12:02:07
Local clock offset: 0.316 ms
Remote clock offset: 7.791 ms

# Below is generated by plot.py at 2019-10-03 16:47:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 1734.146 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 1926.633 ms
Loss rate: 6.17%
-- Flow 2:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 55.871 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 17.26 Mbit/s
95th percentile per-packet one-way delay: 43.868 ms
Loss rate: 1.20%
```

Run 2: Report of PCC-Vivace — Data Link

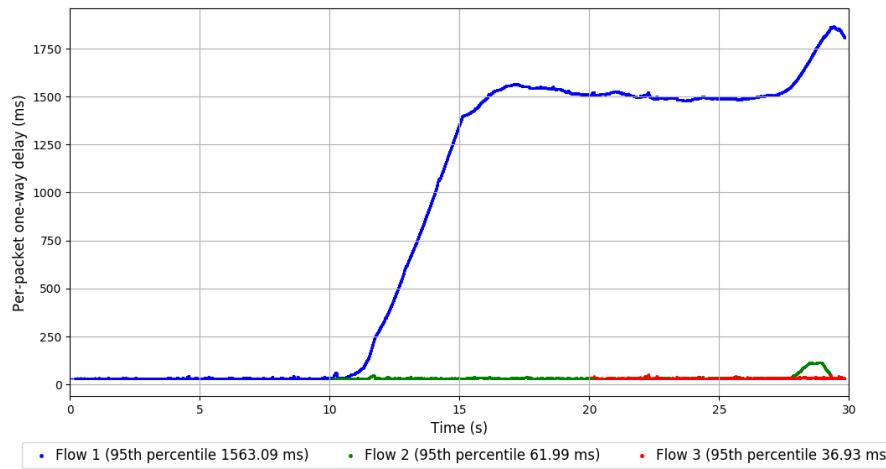
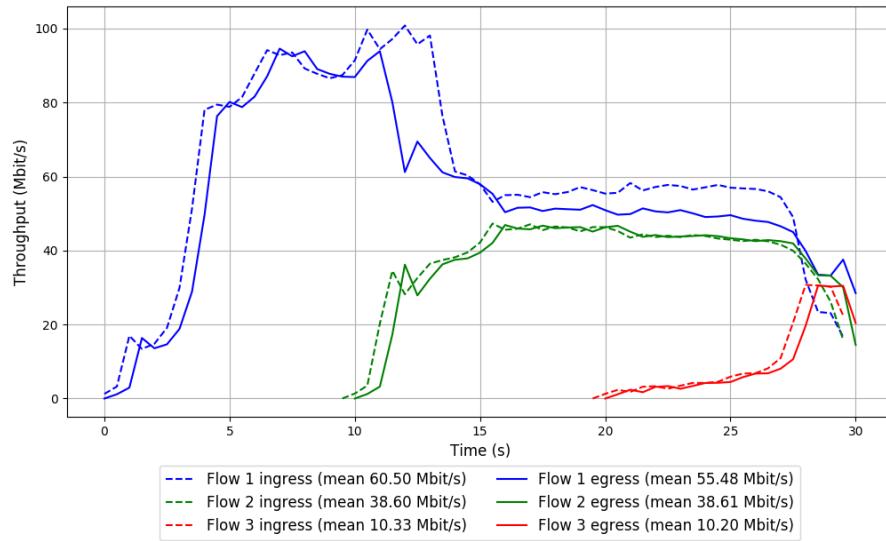


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-10-03 12:59:26
End at: 2019-10-03 12:59:56
Local clock offset: 0.173 ms
Remote clock offset: 7.36 ms

# Below is generated by plot.py at 2019-10-03 16:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 1550.107 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 1563.094 ms
Loss rate: 8.48%
-- Flow 2:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 36.926 ms
Loss rate: 1.95%
```

Run 3: Report of PCC-Vivace — Data Link

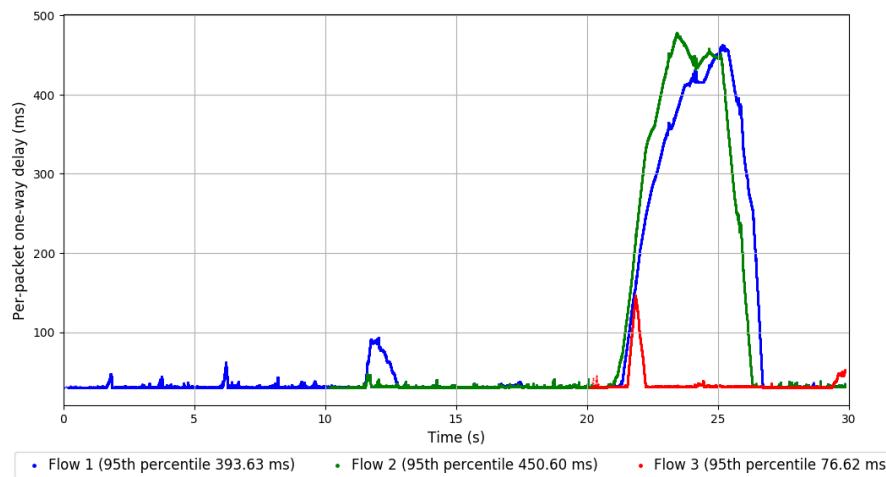
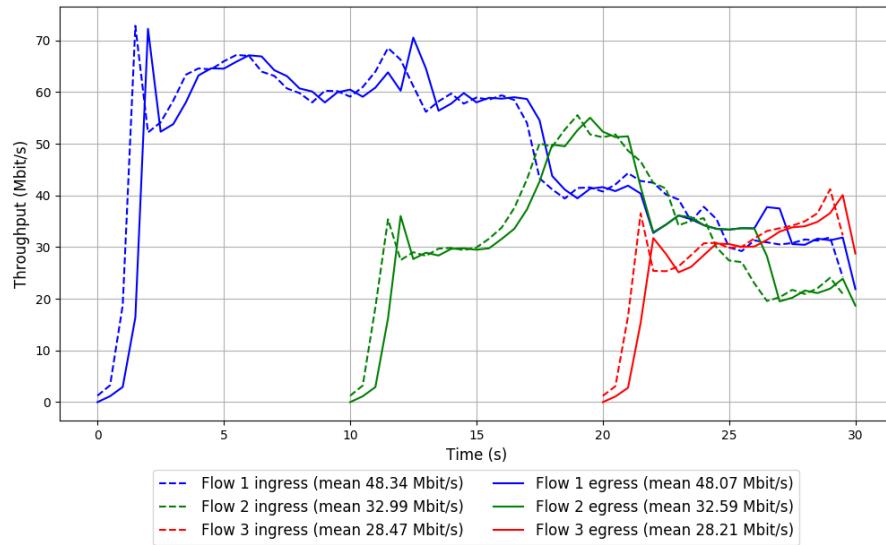


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-10-03 14:09:56
End at: 2019-10-03 14:10:26
Local clock offset: 0.02 ms
Remote clock offset: 7.425 ms

# Below is generated by plot.py at 2019-10-03 16:47:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 418.269 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 393.629 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 450.597 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 76.622 ms
Loss rate: 1.53%
```

Run 4: Report of PCC-Vivace — Data Link

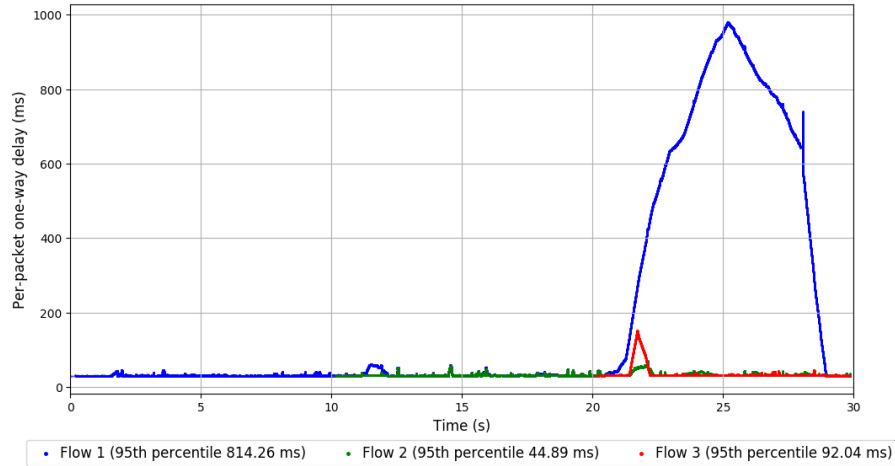
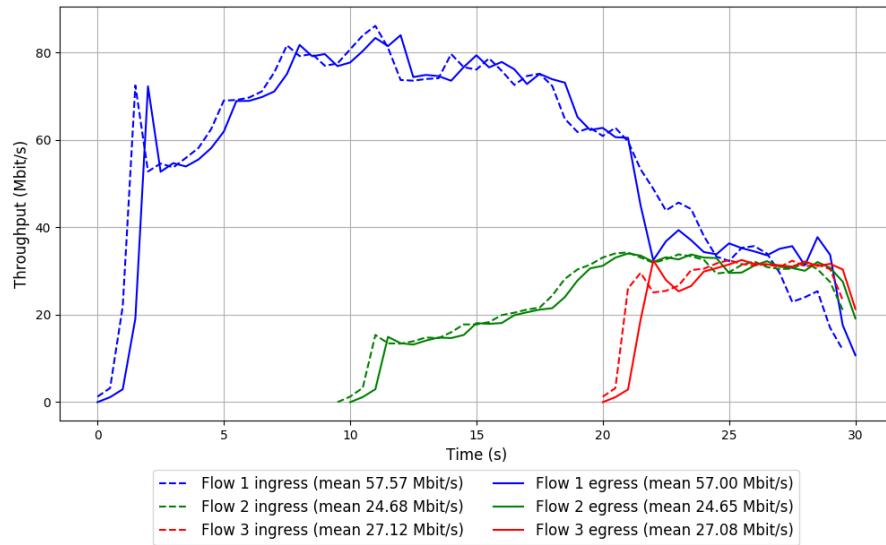


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-10-03 15:40:41
End at: 2019-10-03 15:41:11
Local clock offset: -0.075 ms
Remote clock offset: 7.131 ms

# Below is generated by plot.py at 2019-10-03 16:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.30 Mbit/s
95th percentile per-packet one-way delay: 734.636 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 814.262 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 44.892 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 92.039 ms
Loss rate: 0.80%
```

Run 5: Report of PCC-Vivace — Data Link

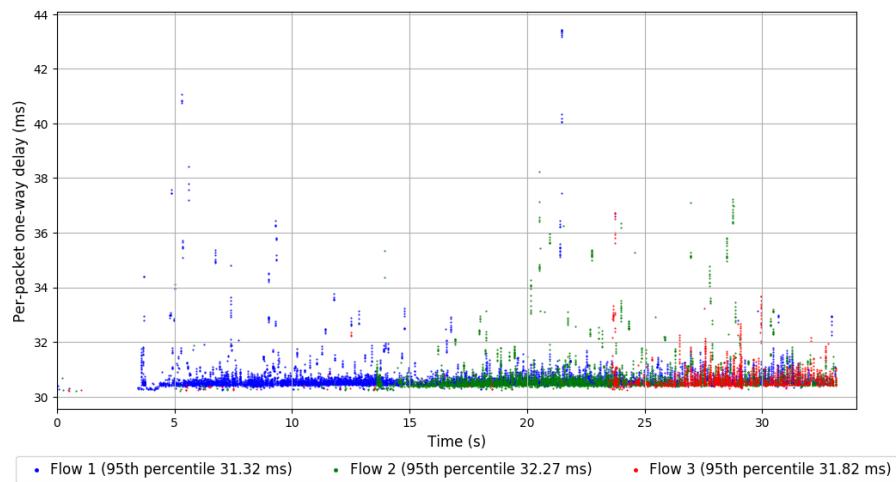
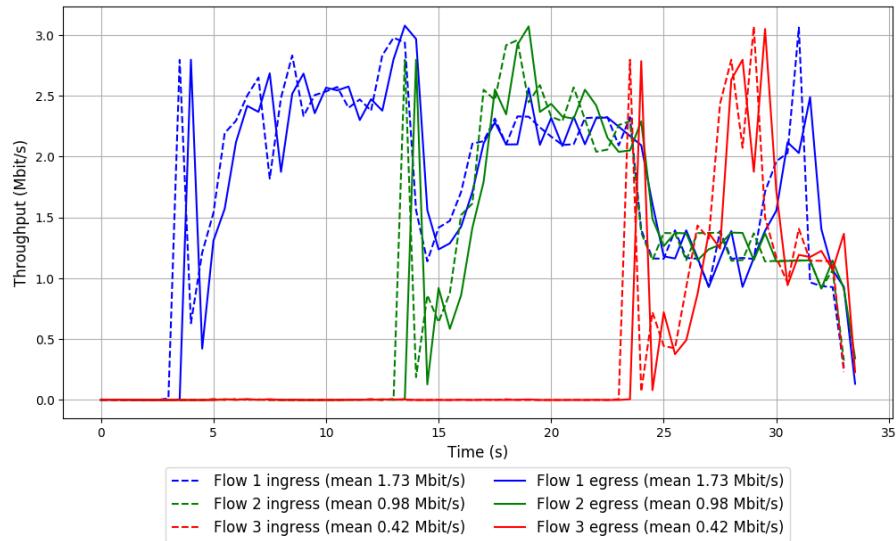


Run 1: Statistics of WebRTC media

```
Start at: 2019-10-03 11:18:19
End at: 2019-10-03 11:18:49
Local clock offset: 0.383 ms
Remote clock offset: 6.909 ms

# Below is generated by plot.py at 2019-10-03 16:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 31.616 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 32.271 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 31.820 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

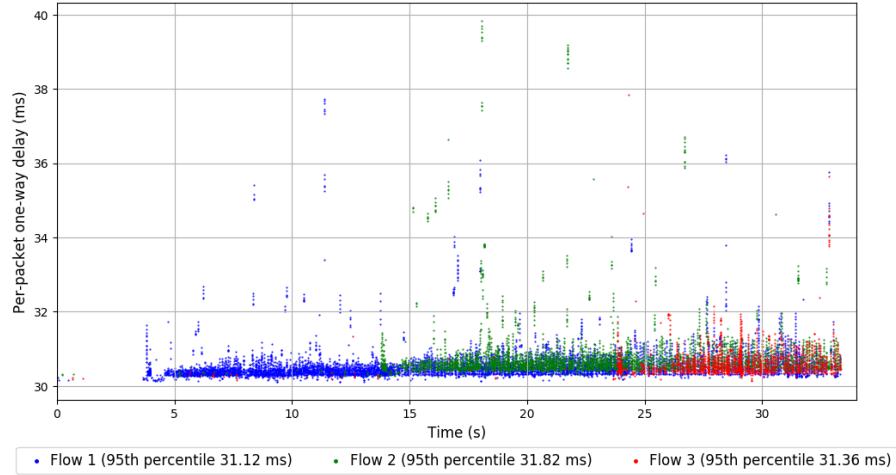
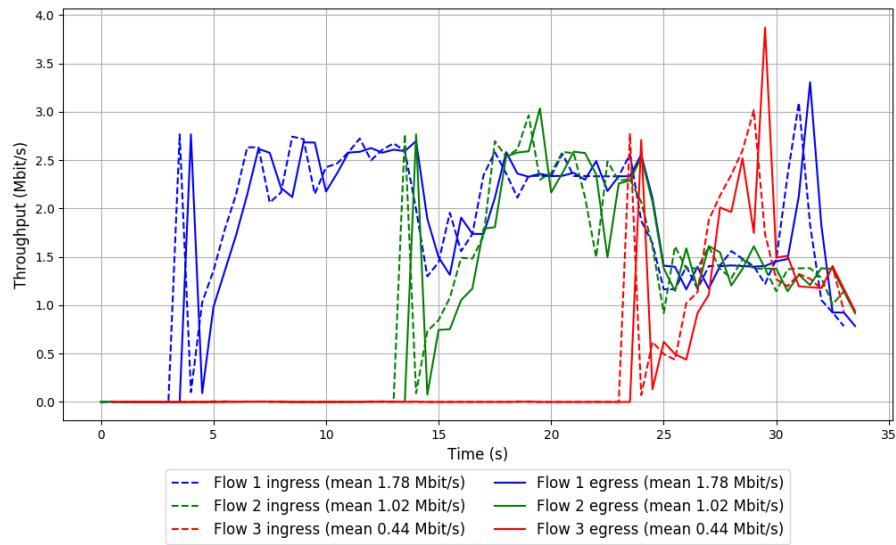


Run 2: Statistics of WebRTC media

```
Start at: 2019-10-03 12:08:38
End at: 2019-10-03 12:09:08
Local clock offset: 0.268 ms
Remote clock offset: 7.867 ms

# Below is generated by plot.py at 2019-10-03 16:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 31.313 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 31.117 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 31.816 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.363 ms
Loss rate: 0.81%
```

Run 2: Report of WebRTC media — Data Link

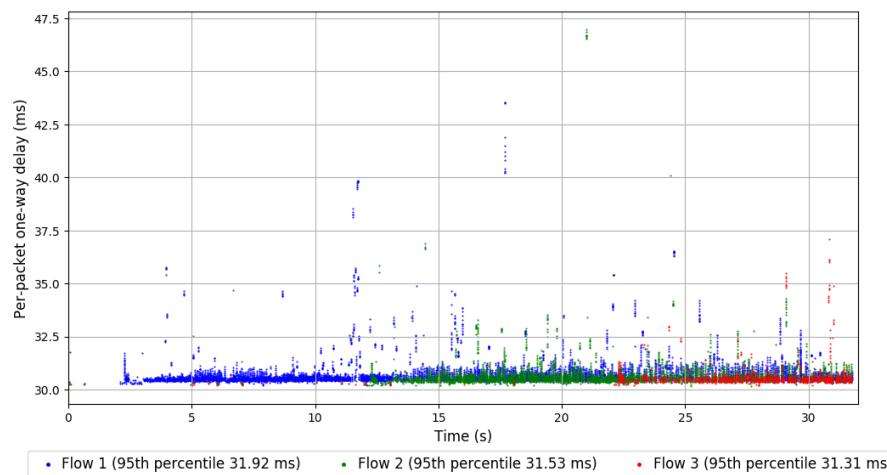
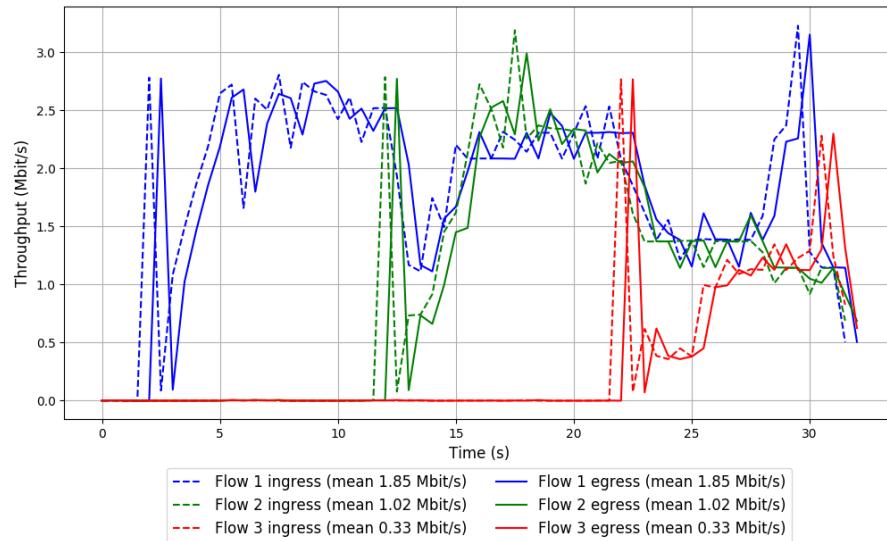


Run 3: Statistics of WebRTC media

```
Start at: 2019-10-03 13:06:52
End at: 2019-10-03 13:07:22
Local clock offset: 0.153 ms
Remote clock offset: 7.515 ms

# Below is generated by plot.py at 2019-10-03 16:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 31.919 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 31.526 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 31.311 ms
Loss rate: 0.96%
```

Run 3: Report of WebRTC media — Data Link

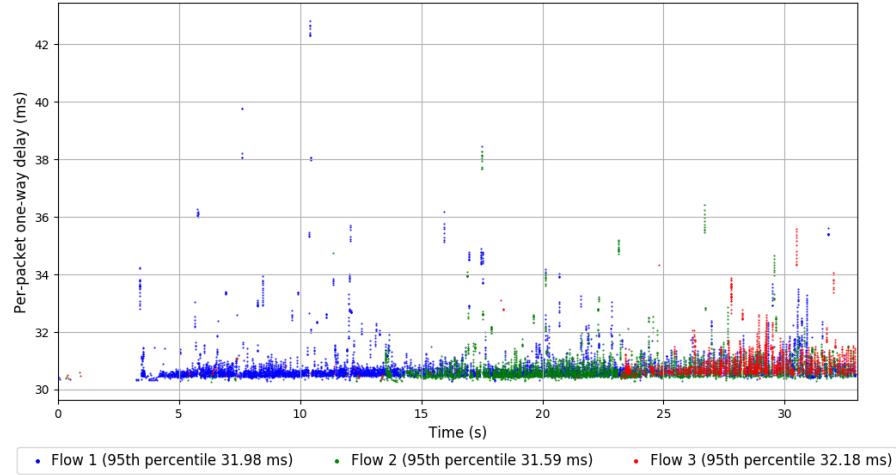
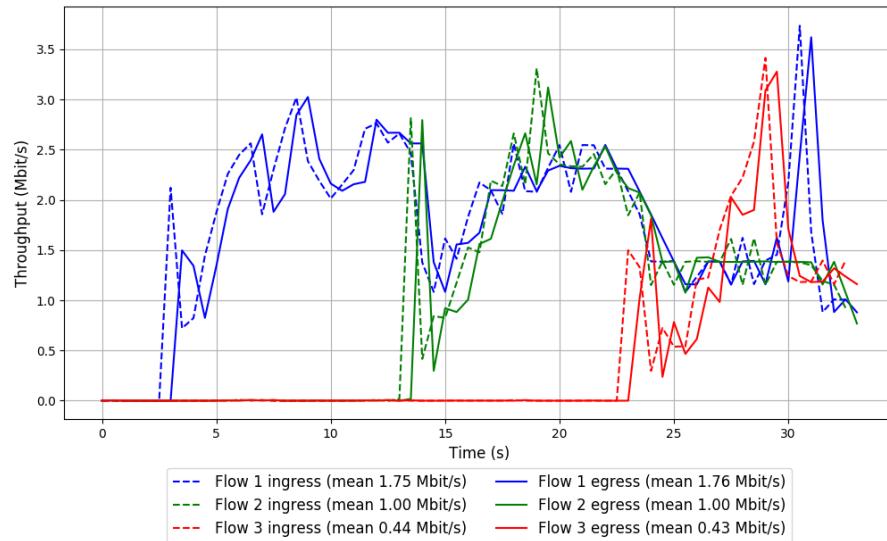


Run 4: Statistics of WebRTC media

```
Start at: 2019-10-03 14:19:34
End at: 2019-10-03 14:20:04
Local clock offset: 0.088 ms
Remote clock offset: 7.517 ms

# Below is generated by plot.py at 2019-10-03 16:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 31.918 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 31.985 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 31.587 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.180 ms
Loss rate: 0.82%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-10-03 15:47:50
End at: 2019-10-03 15:48:20
Local clock offset: -0.099 ms
Remote clock offset: 7.137 ms

# Below is generated by plot.py at 2019-10-03 16:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 31.026 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 31.296 ms
Loss rate: 0.35%
```

Run 5: Report of WebRTC media — Data Link

