

Pantheon Report

Generated at 2019-12-11 17:42:35 (UTC).
Data path: India on `em1` (*remote*) → AWS India 1 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 `nets.org.sg` and have been applied to correct the timestamps in logs.

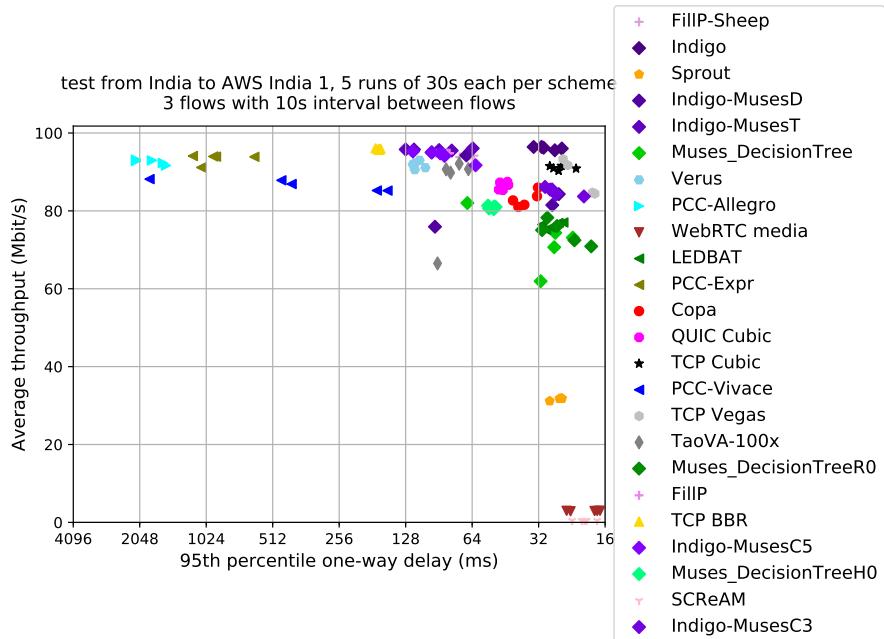
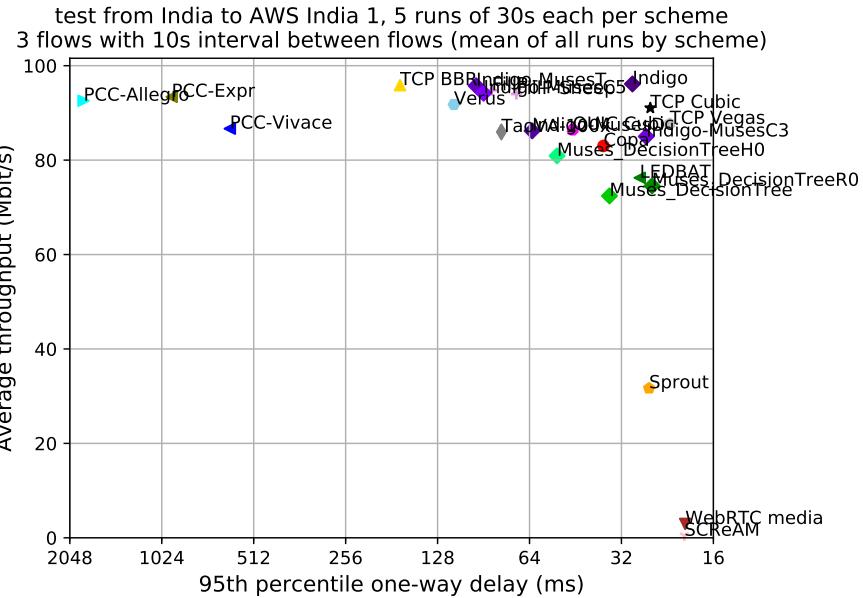
System info:

```
Linux 4.15.0-1054-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 @ d6da1459332fceef56963885d7eba17e6a32d4519
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
```



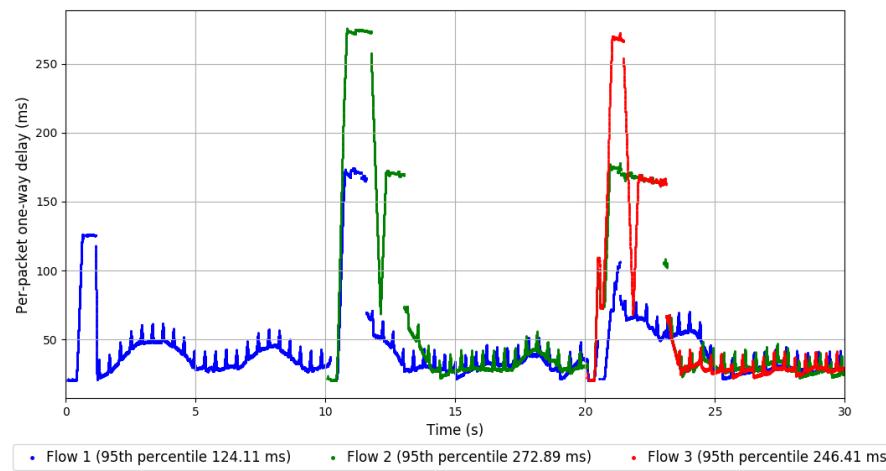
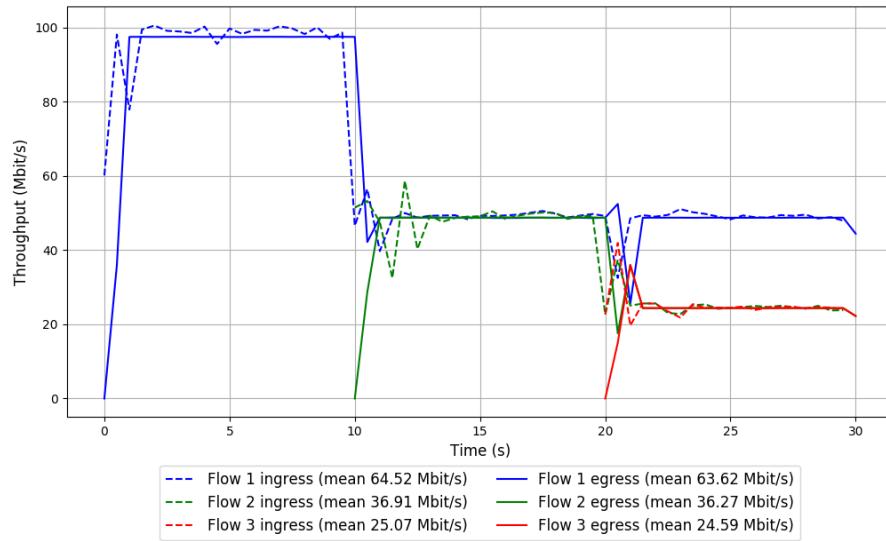
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	57.91	36.98	40.30	129.92	216.54	281.93	1.14	1.72	2.16
Copa		51.84	34.45	24.82	41.68	30.12	30.62	0.14	0.26	0.66
TCP Cubic		56.28	36.58	31.48	26.61	30.07	26.16	0.14	0.32	0.52
FillP		56.02	41.12	34.50	77.51	94.74	70.12	0.28	3.06	1.86
FillP-Sheep		59.06	36.87	31.38	61.13	85.37	81.79	0.18	0.44	1.05
Indigo		61.19	37.11	31.41	29.06	31.00	29.46	0.13	0.27	0.58
Indigo-MusesC3		57.26	32.00	28.53	26.61	26.13	26.67	0.07	0.18	0.77
Indigo-MusesC5		60.75	38.27	34.10	79.72	90.43	88.36	1.32	2.74	5.88
Indigo-MusesD		52.72	43.82	20.42	43.73	52.53	30.17	0.89	0.96	0.93
Indigo-MusesT		61.23	44.07	25.18	90.43	111.82	132.19	0.91	1.47	2.11
LEDBAT		44.84	34.39	25.74	26.98	29.66	28.27	0.13	0.22	0.66
Muses_DecisionTree		52.70	23.73	12.80	33.89	26.45	42.34	0.32	0.14	0.37
Muses_DecisionTreeH0		49.96	35.22	24.11	59.04	47.35	41.75	0.11	0.33	0.53
Muses_DecisionTreeR0		51.05	26.23	19.35	23.67	25.36	40.46	0.04	0.14	0.36
PCC-Allegro		59.47	36.75	26.46	1864.30	1791.70	313.76	15.19	14.10	3.38
PCC-Expr		58.42	41.56	22.37	537.39	949.91	242.70	55.27	28.02	5.69
QUIC Cubic		50.19	38.22	32.92	42.08	41.16	97.25	0.16	0.27	0.77
SCReAM		0.22	0.22	0.22	19.85	19.88	19.86	0.13	0.23	0.56
Sprout		16.02	15.82	15.63	25.50	26.24	26.60	0.18	0.24	0.56
TaoVA-100x		48.13	37.83	42.30	67.77	112.31	81.08	0.09	0.10	0.68
TCP Vegas		52.58	36.14	33.37	22.53	22.11	24.52	0.11	0.24	0.58
Verus		55.45	40.19	28.99	116.56	93.70	173.04	0.32	0.76	1.53
PCC-Vivace		58.04	31.33	23.69	617.03	318.40	83.31	1.35	1.32	1.07
WebRTC media		1.60	0.93	0.42	19.79	19.76	19.79	0.11	0.18	0.08

Run 1: Statistics of TCP BBR

```
Start at: 2019-12-11 15:04:20
End at: 2019-12-11 15:04:50
Local clock offset: 4.099 ms
Remote clock offset: -8.454 ms

# Below is generated by plot.py at 2019-12-11 17:26:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 169.818 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 63.62 Mbit/s
95th percentile per-packet one-way delay: 124.106 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 272.887 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 246.405 ms
Loss rate: 2.43%
```

Run 1: Report of TCP BBR — Data Link

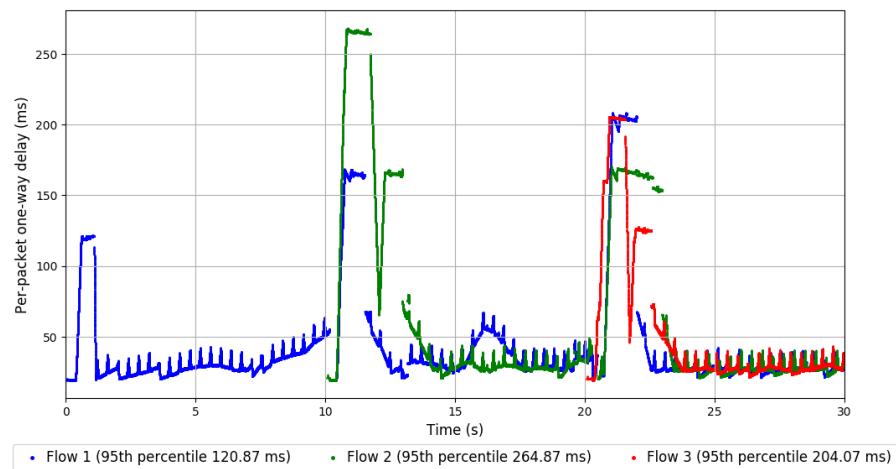
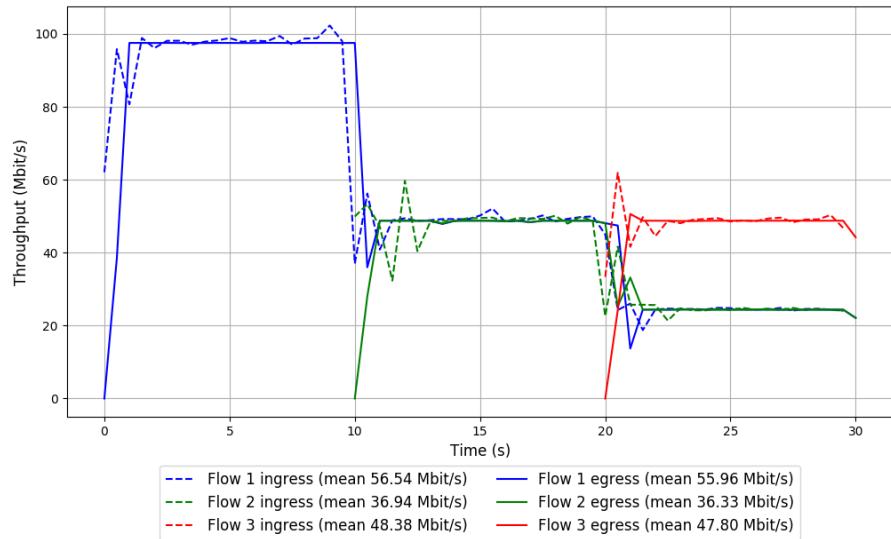


Run 2: Statistics of TCP BBR

```
Start at: 2019-12-11 15:35:16
End at: 2019-12-11 15:35:46
Local clock offset: 4.559 ms
Remote clock offset: -7.169 ms

# Below is generated by plot.py at 2019-12-11 17:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 166.417 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 120.866 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 264.866 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 204.071 ms
Loss rate: 1.72%
```

Run 2: Report of TCP BBR — Data Link

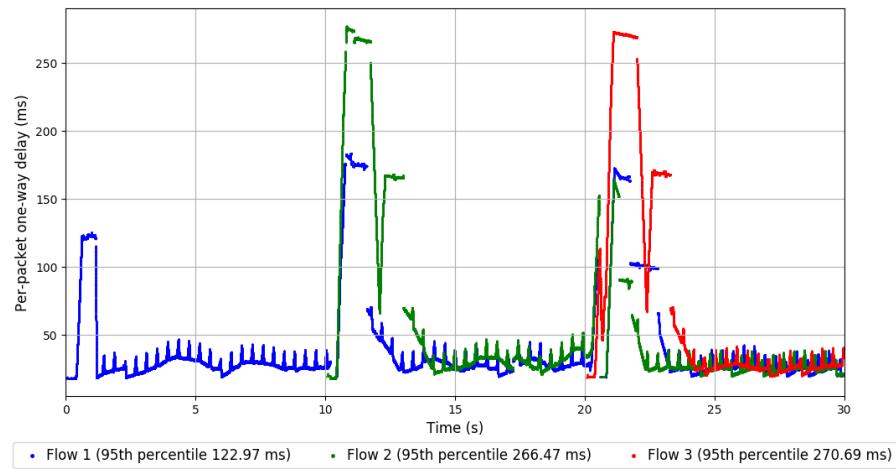
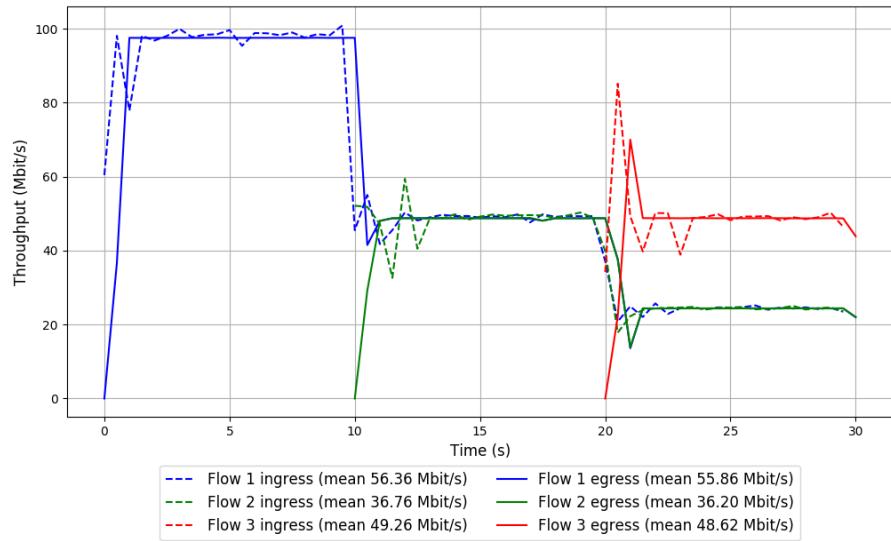


Run 3: Statistics of TCP BBR

```
Start at: 2019-12-11 16:05:15
End at: 2019-12-11 16:05:45
Local clock offset: 5.714 ms
Remote clock offset: -5.881 ms

# Below is generated by plot.py at 2019-12-11 17:26:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 175.063 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 122.965 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 266.472 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 270.685 ms
Loss rate: 1.79%
```

Run 3: Report of TCP BBR — Data Link

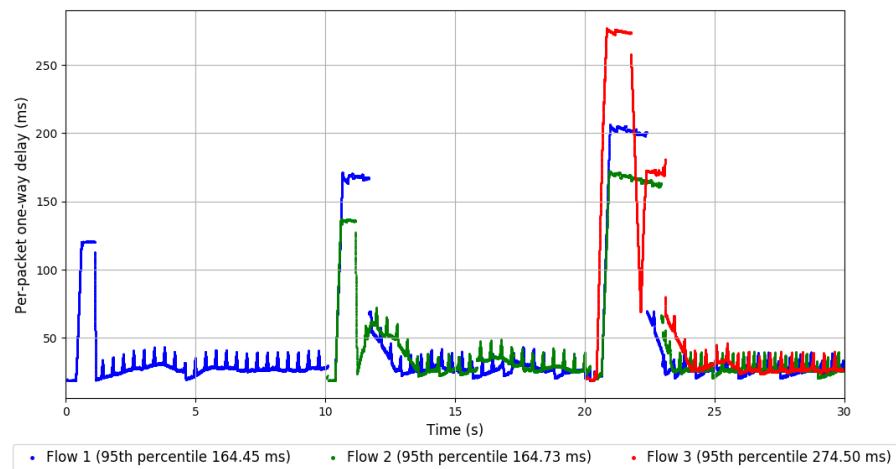
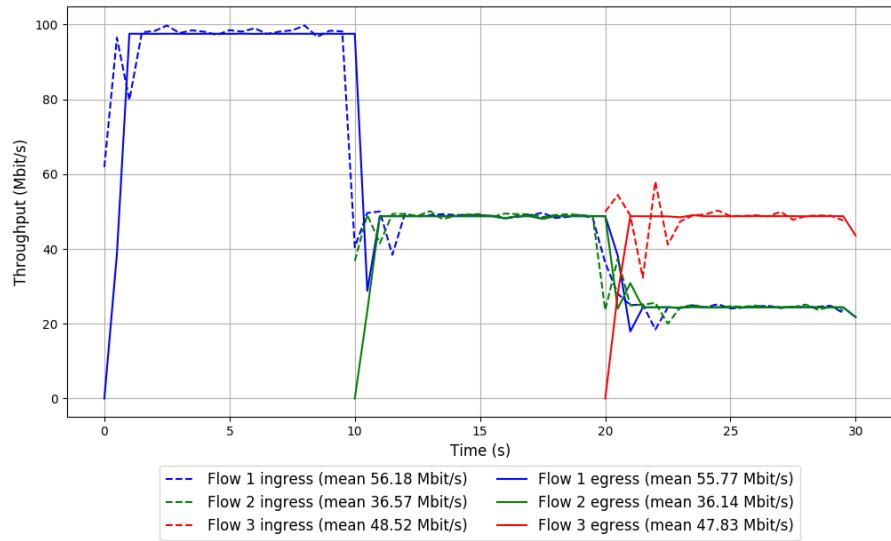


Run 4: Statistics of TCP BBR

```
Start at: 2019-12-11 16:36:17
End at: 2019-12-11 16:36:47
Local clock offset: 5.705 ms
Remote clock offset: -4.916 ms

# Below is generated by plot.py at 2019-12-11 17:26:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 169.988 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 55.77 Mbit/s
95th percentile per-packet one-way delay: 164.454 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 164.727 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 274.501 ms
Loss rate: 1.94%
```

Run 4: Report of TCP BBR — Data Link

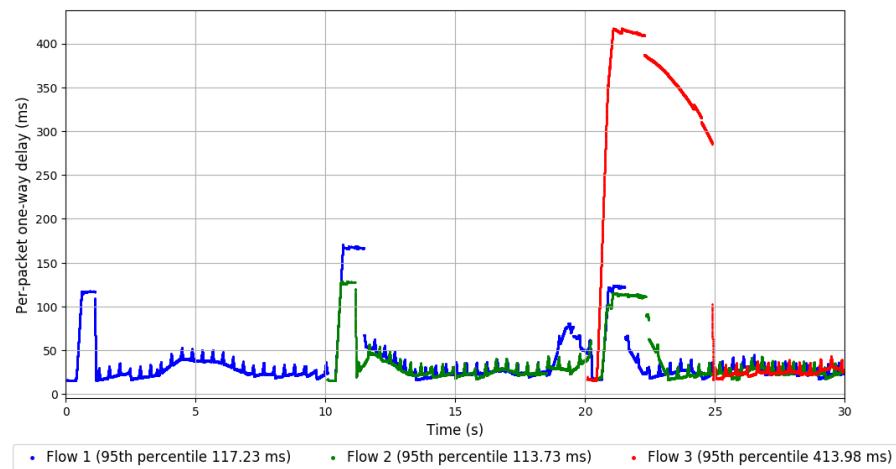
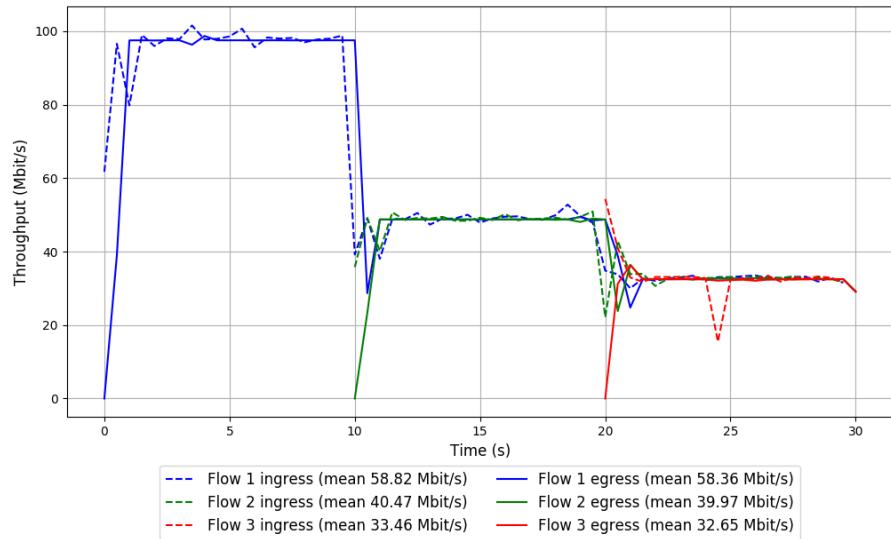


Run 5: Statistics of TCP BBR

```
Start at: 2019-12-11 17:07:16
End at: 2019-12-11 17:07:46
Local clock offset: -0.423 ms
Remote clock offset: -4.933 ms

# Below is generated by plot.py at 2019-12-11 17:26:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 168.024 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 117.229 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 113.728 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 413.978 ms
Loss rate: 2.92%
```

Run 5: Report of TCP BBR — Data Link

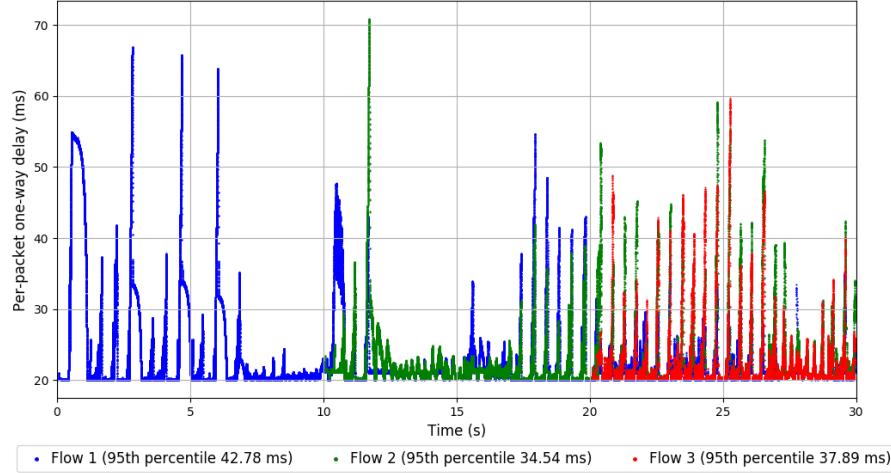
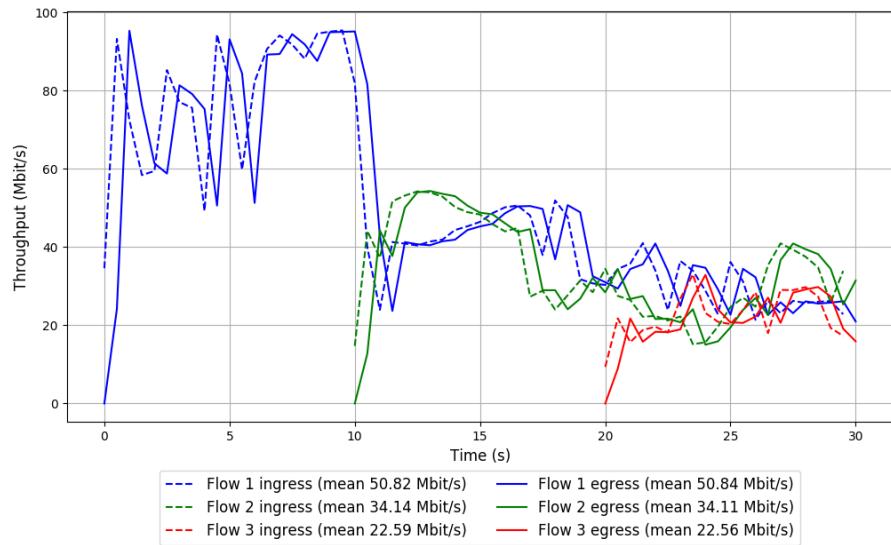


Run 1: Statistics of Copa

```
Start at: 2019-12-11 15:00:24
End at: 2019-12-11 15:00:54
Local clock offset: 3.723 ms
Remote clock offset: -9.103 ms

# Below is generated by plot.py at 2019-12-11 17:27:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 39.519 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 42.777 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 34.540 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 37.889 ms
Loss rate: 0.62%
```

Run 1: Report of Copa — Data Link

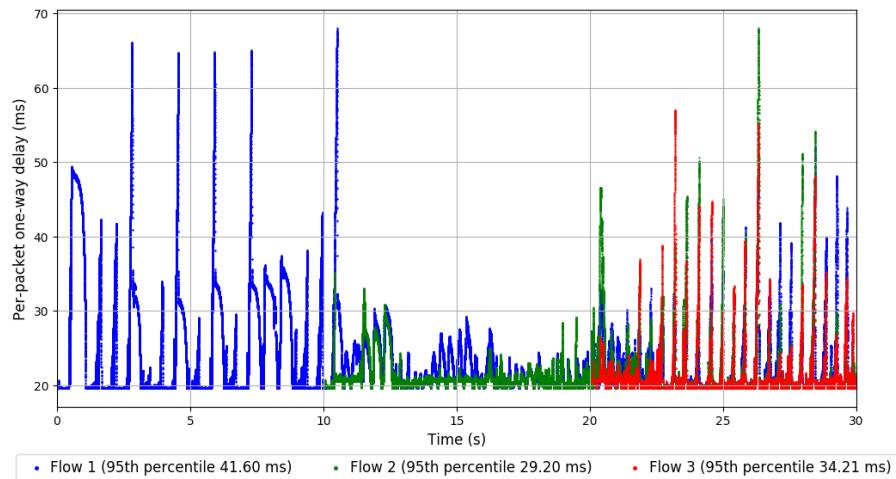
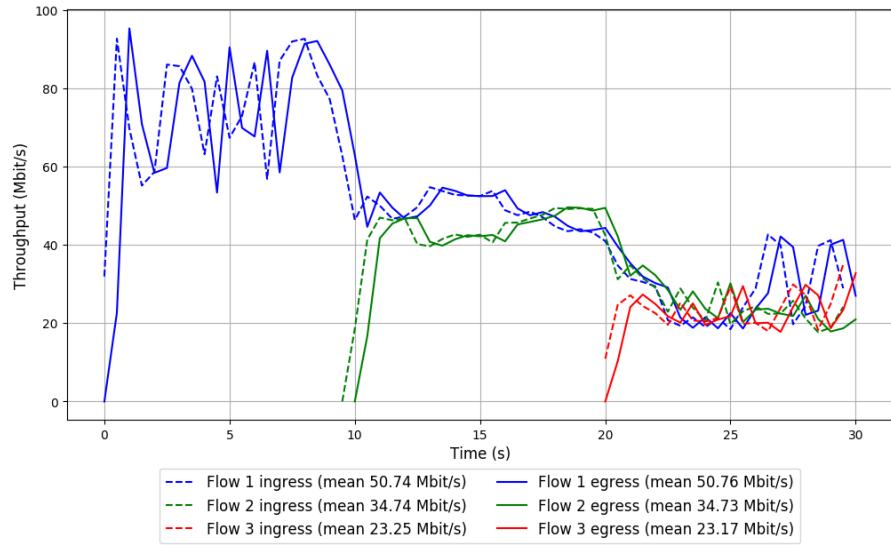


Run 2: Statistics of Copa

```
Start at: 2019-12-11 15:31:02
End at: 2019-12-11 15:31:32
Local clock offset: 4.093 ms
Remote clock offset: -7.986 ms

# Below is generated by plot.py at 2019-12-11 17:27:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 37.129 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 41.604 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 29.200 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 34.209 ms
Loss rate: 0.87%
```

Run 2: Report of Copa — Data Link

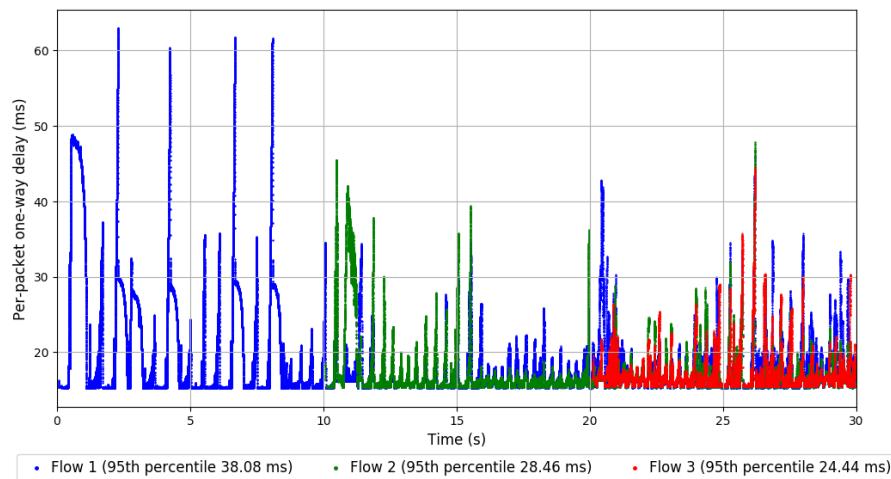
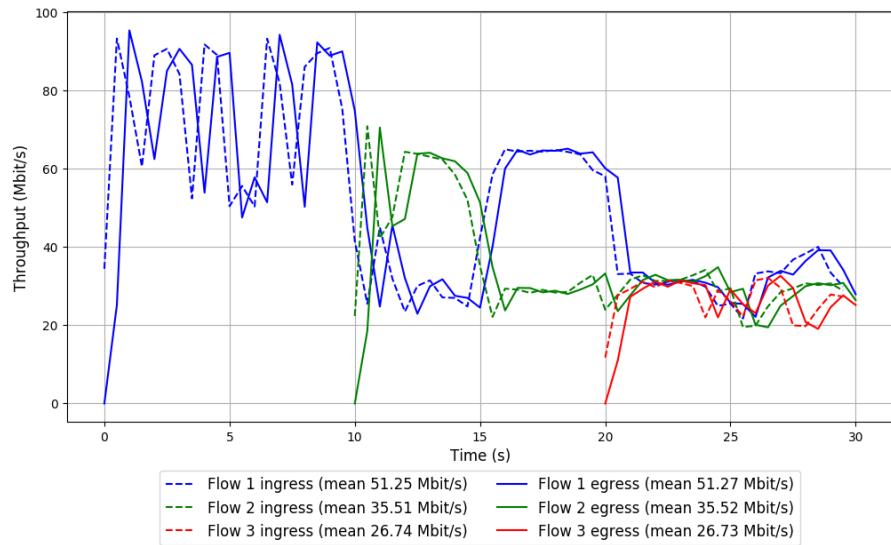


Run 3: Statistics of Copa

```
Start at: 2019-12-11 16:01:29
End at: 2019-12-11 16:01:59
Local clock offset: 1.26 ms
Remote clock offset: -7.857 ms

# Below is generated by plot.py at 2019-12-11 17:27:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 32.535 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 38.076 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 28.456 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 24.437 ms
Loss rate: 0.58%
```

Run 3: Report of Copa — Data Link

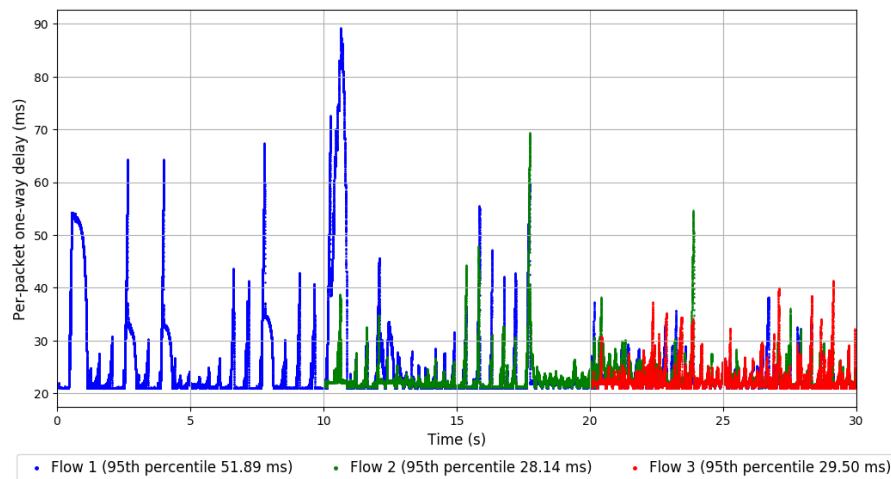
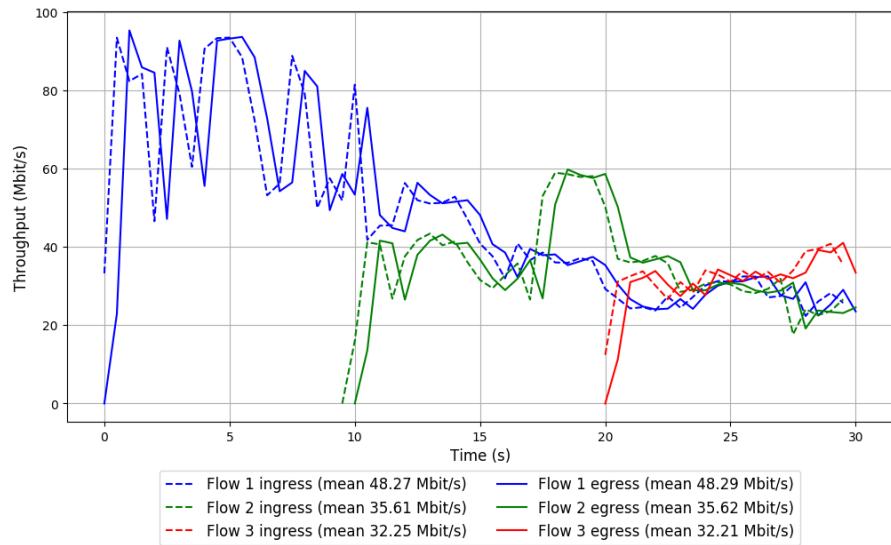


Run 4: Statistics of Copa

```
Start at: 2019-12-11 16:32:09
End at: 2019-12-11 16:32:39
Local clock offset: 5.798 ms
Remote clock offset: -7.411 ms

# Below is generated by plot.py at 2019-12-11 17:28:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 41.801 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 51.893 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 28.138 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 29.501 ms
Loss rate: 0.62%
```

Run 4: Report of Copa — Data Link

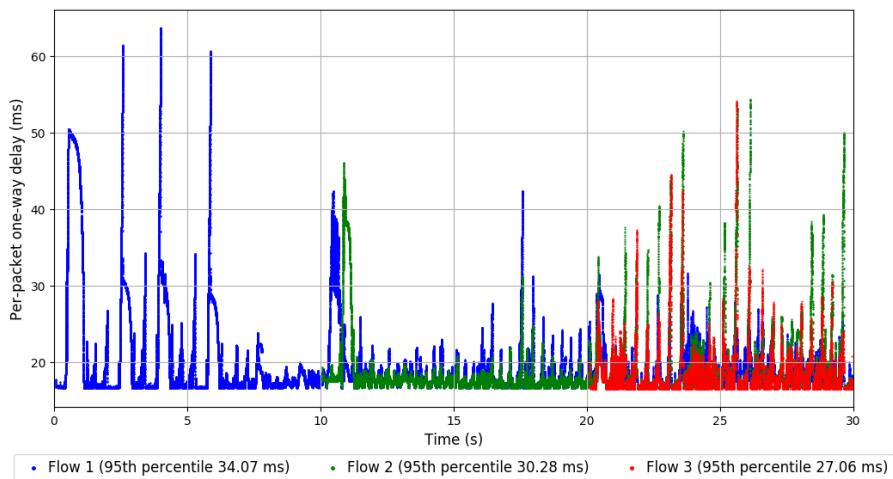
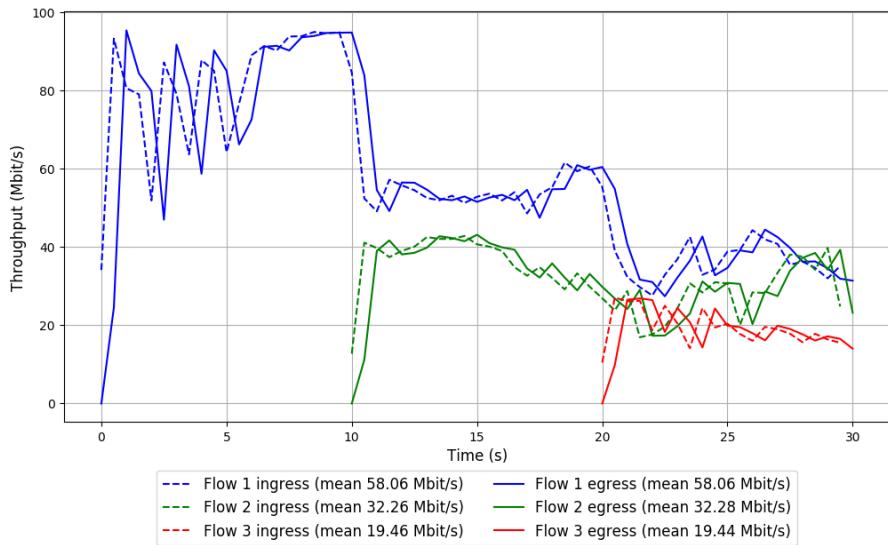


Run 5: Statistics of Copa

```
Start at: 2019-12-11 17:03:22
End at: 2019-12-11 17:03:52
Local clock offset: -0.309 ms
Remote clock offset: -5.756 ms

# Below is generated by plot.py at 2019-12-11 17:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 34.068 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 30.283 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 27.061 ms
Loss rate: 0.61%
```

Run 5: Report of Copa — Data Link

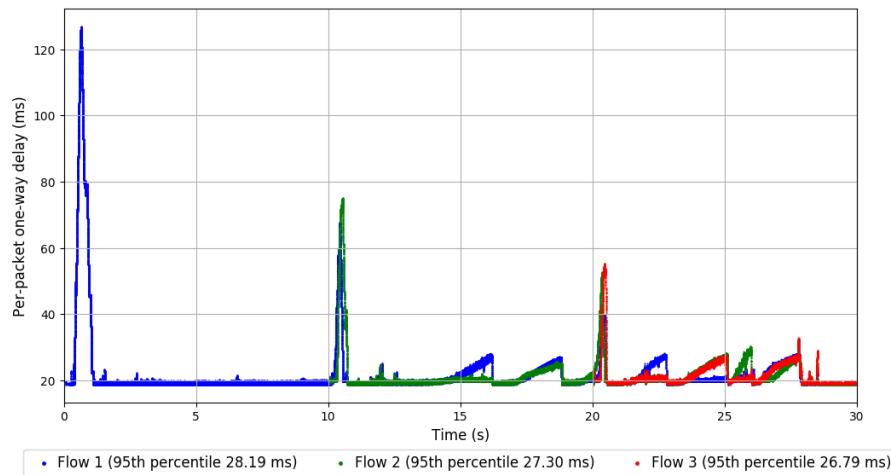
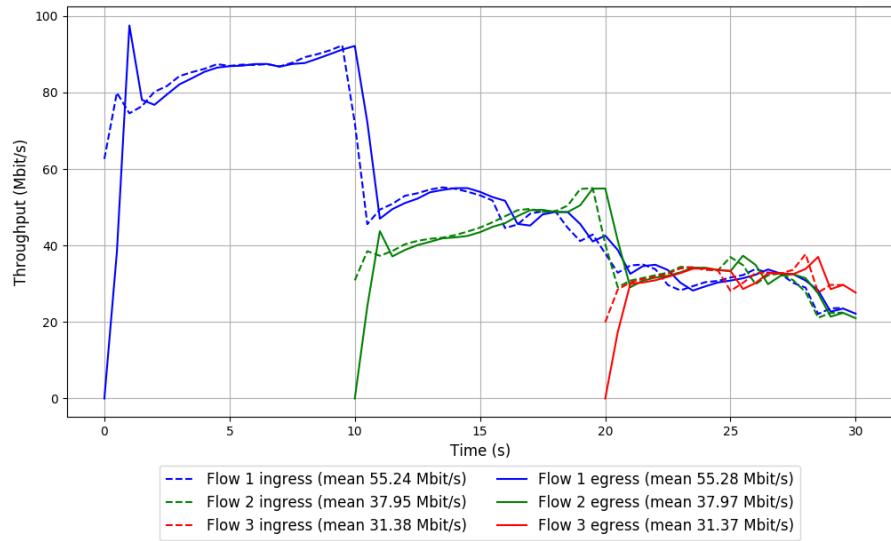


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-12-11 15:15:38
End at: 2019-12-11 15:16:08
Local clock offset: 2.348 ms
Remote clock offset: -9.099 ms

# Below is generated by plot.py at 2019-12-11 17:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 27.406 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 28.187 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 27.297 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 26.786 ms
Loss rate: 0.55%
```

Run 1: Report of TCP Cubic — Data Link

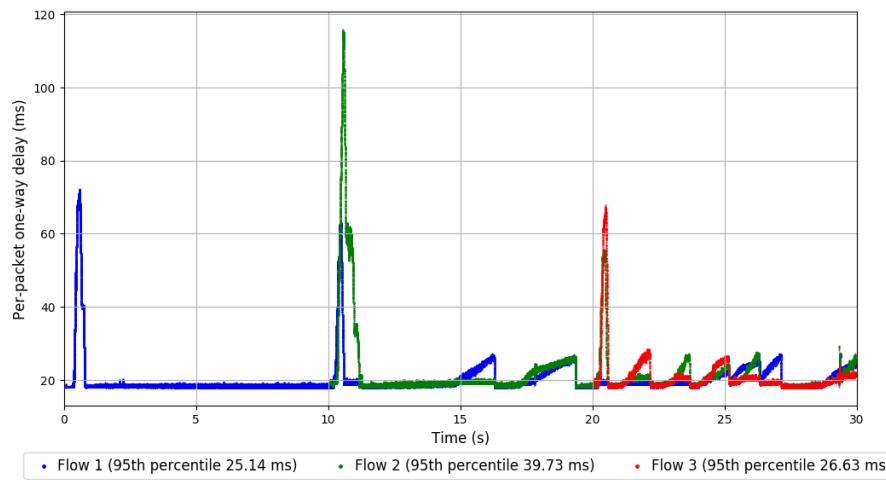
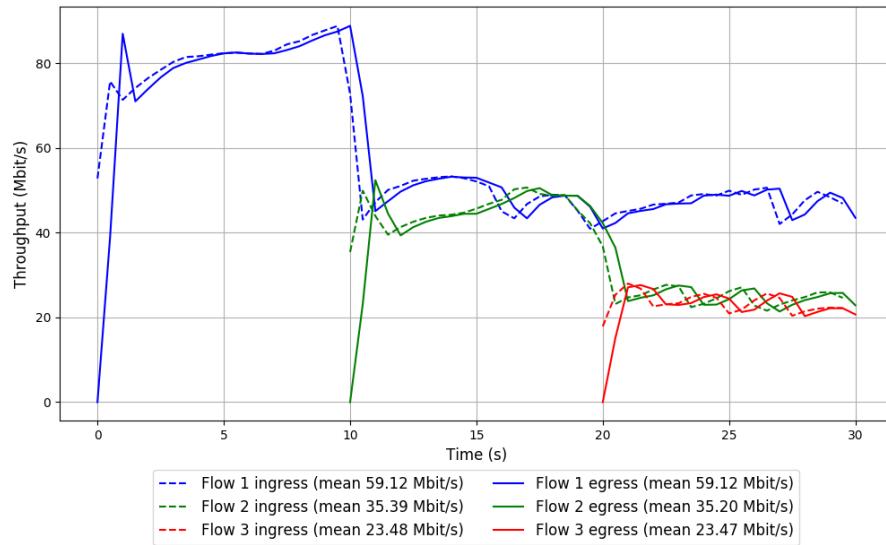


Run 2: Statistics of TCP Cubic

```
Start at: 2019-12-11 15:46:33
End at: 2019-12-11 15:47:03
Local clock offset: 1.165 ms
Remote clock offset: -10.444 ms

# Below is generated by plot.py at 2019-12-11 17:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 25.983 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 25.139 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 39.726 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 26.634 ms
Loss rate: 0.56%
```

Run 2: Report of TCP Cubic — Data Link

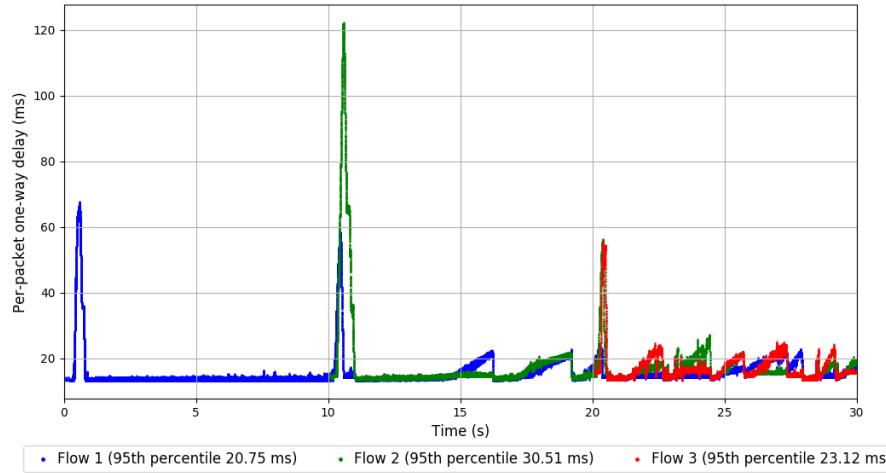
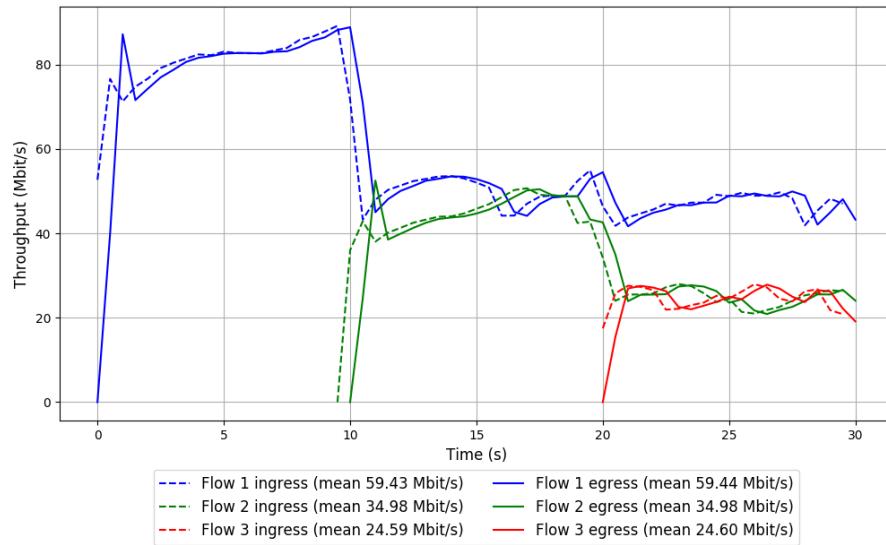


Run 3: Statistics of TCP Cubic

```
Start at: 2019-12-11 16:16:50
End at: 2019-12-11 16:17:20
Local clock offset: 1.332 ms
Remote clock offset: -5.034 ms

# Below is generated by plot.py at 2019-12-11 17:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 21.655 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 20.755 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 30.510 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 23.118 ms
Loss rate: 0.50%
```

Run 3: Report of TCP Cubic — Data Link

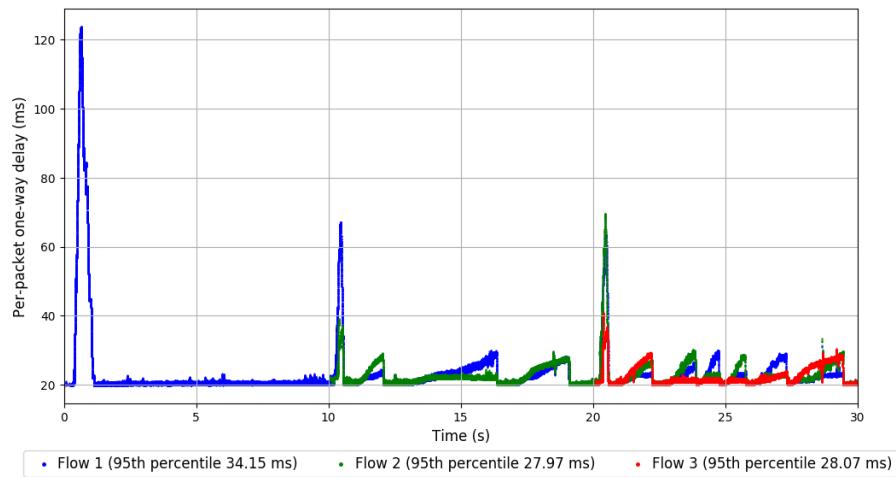
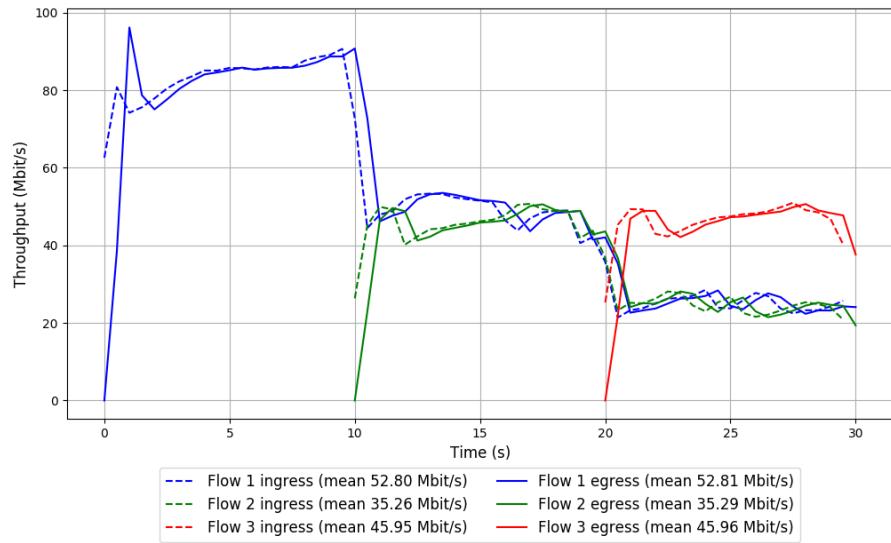


Run 4: Statistics of TCP Cubic

```
Start at: 2019-12-11 16:48:03
End at: 2019-12-11 16:48:33
Local clock offset: 5.099 ms
Remote clock offset: -4.968 ms

# Below is generated by plot.py at 2019-12-11 17:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: 34.148 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 27.972 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 45.96 Mbit/s
95th percentile per-packet one-way delay: 28.072 ms
Loss rate: 0.48%
```

Run 4: Report of TCP Cubic — Data Link

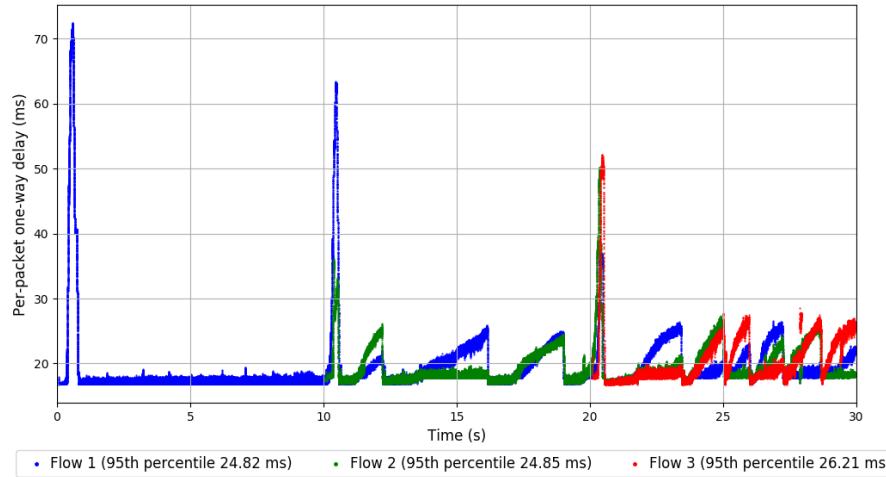
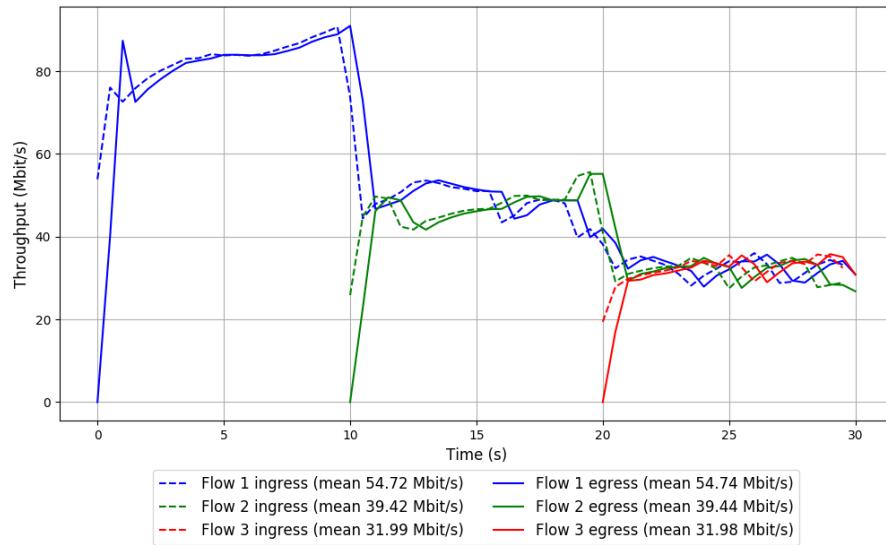


Run 5: Statistics of TCP Cubic

```
Start at: 2019-12-11 17:18:45
End at: 2019-12-11 17:19:15
Local clock offset: -0.006 ms
Remote clock offset: -5.969 ms

# Below is generated by plot.py at 2019-12-11 17:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 25.202 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 24.818 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 24.847 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 26.207 ms
Loss rate: 0.53%
```

Run 5: Report of TCP Cubic — Data Link

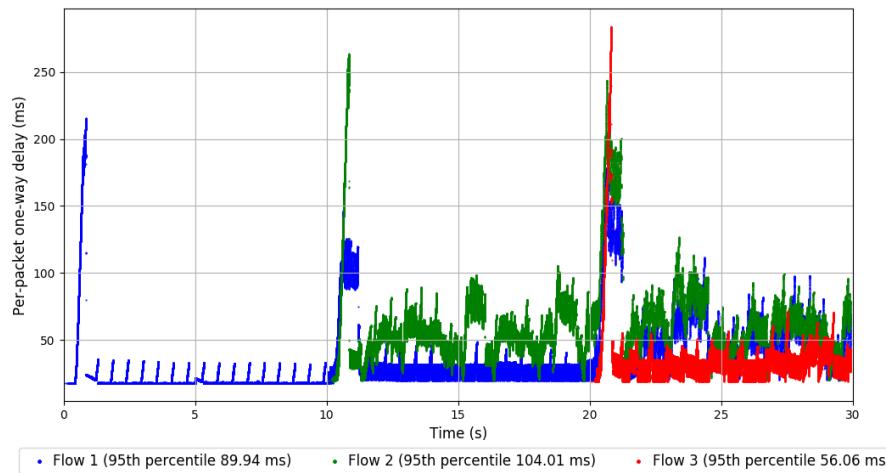
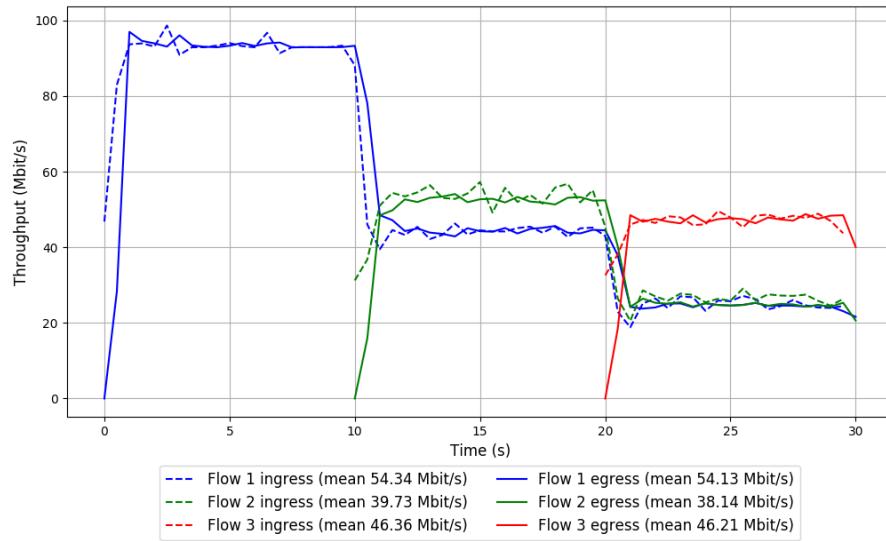


```
Run 1: Statistics of FillP

Start at: 2019-12-11 14:56:38
End at: 2019-12-11 14:57:08
Local clock offset: 1.304 ms
Remote clock offset: -9.615 ms

# Below is generated by plot.py at 2019-12-11 17:29:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 92.972 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 89.939 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 104.014 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 56.060 ms
Loss rate: 0.82%
```

Run 1: Report of FillP — Data Link

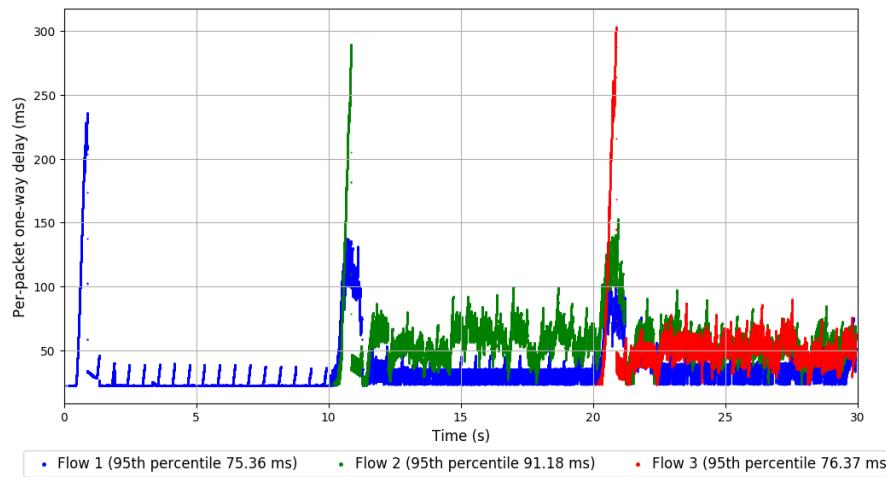
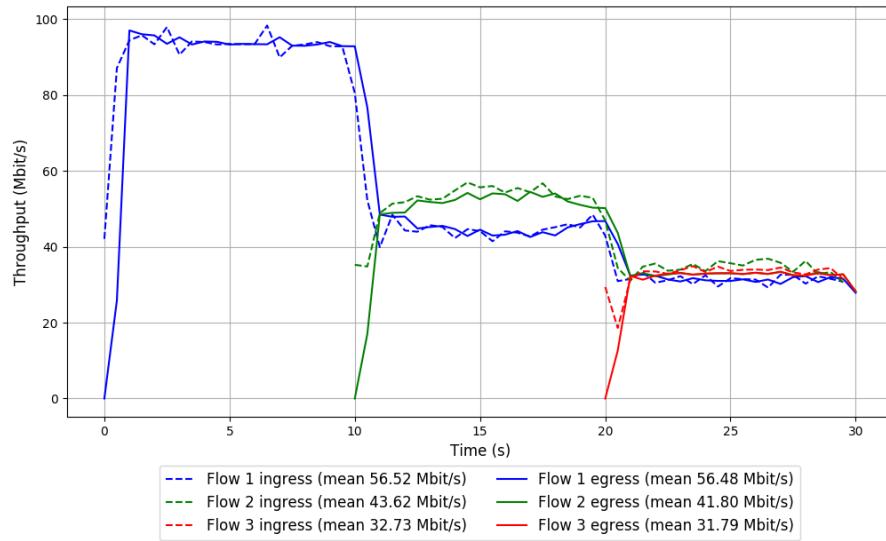


Run 2: Statistics of FillP

```
Start at: 2019-12-11 15:27:12
End at: 2019-12-11 15:27:42
Local clock offset: 4.366 ms
Remote clock offset: -10.815 ms

# Below is generated by plot.py at 2019-12-11 17:29:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 82.886 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 75.361 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 91.184 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 76.368 ms
Loss rate: 3.37%
```

Run 2: Report of FillP — Data Link

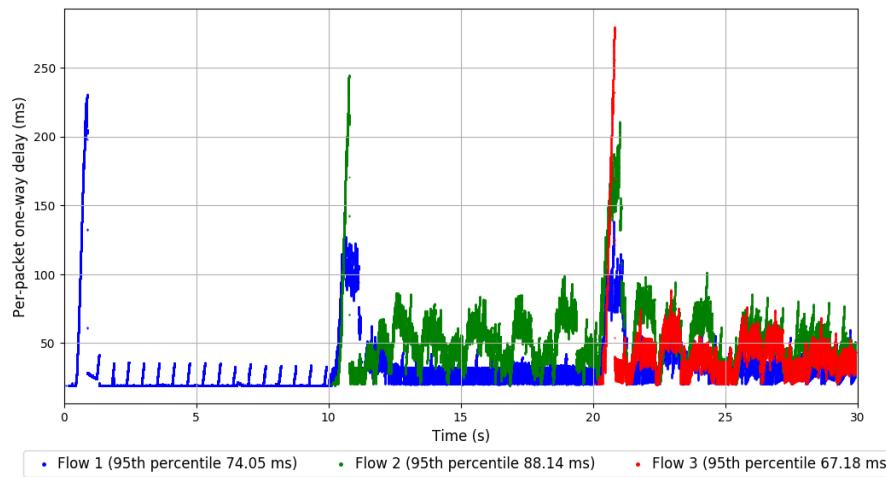
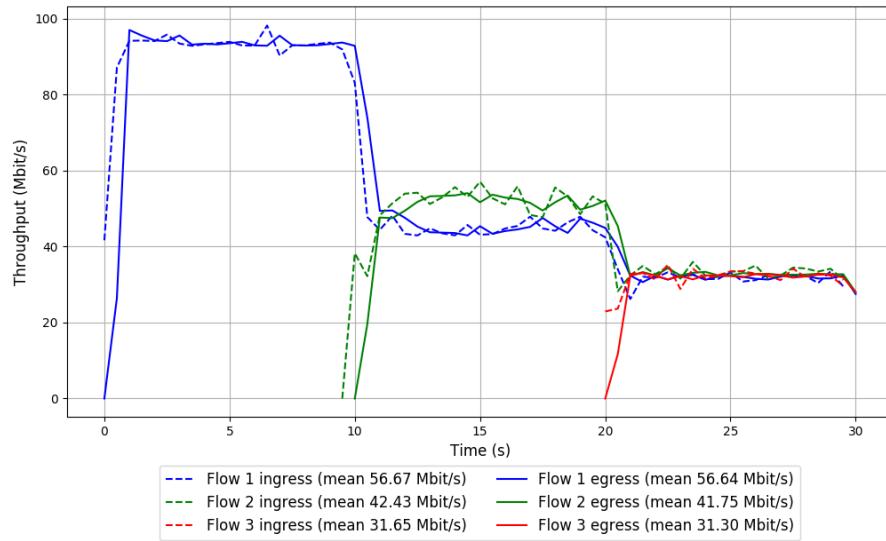


Run 3: Statistics of FillP

```
Start at: 2019-12-11 15:57:50
End at: 2019-12-11 15:58:20
Local clock offset: 6.39 ms
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2019-12-11 17:29:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 82.881 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 74.049 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 88.144 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 67.177 ms
Loss rate: 1.56%
```

Run 3: Report of FillP — Data Link

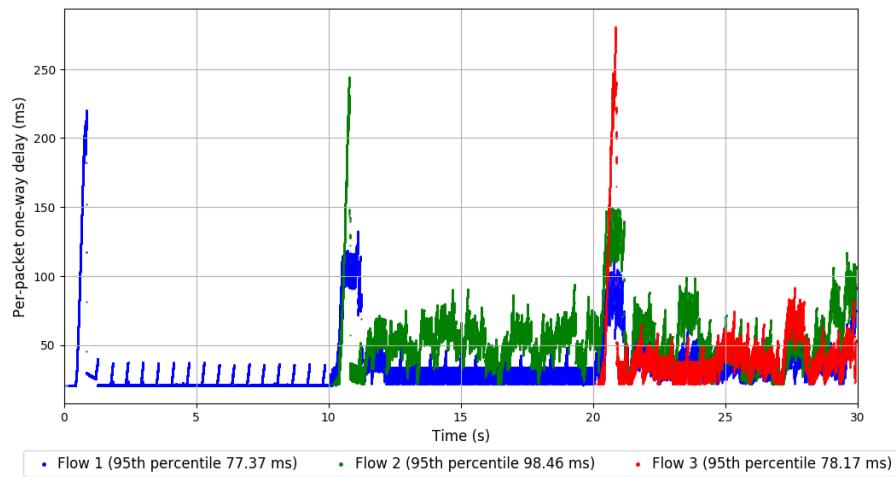
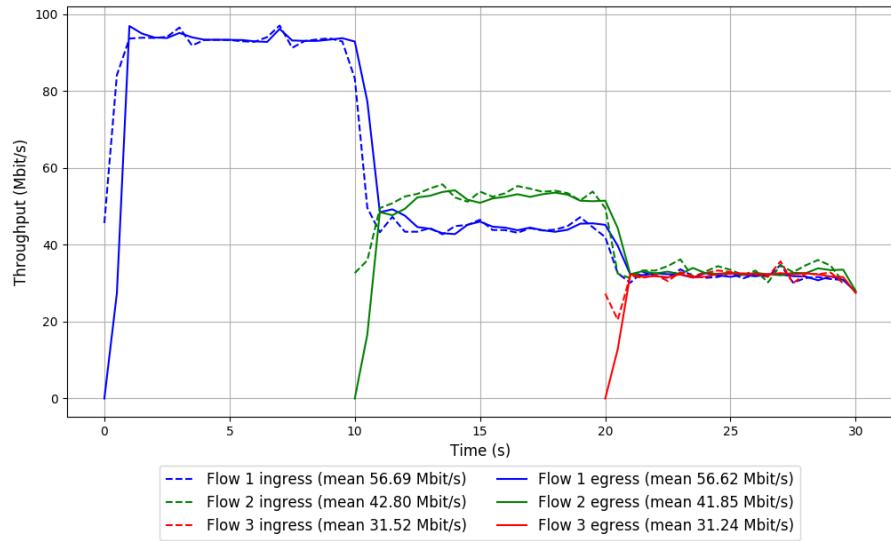


Run 4: Statistics of FillP

```
Start at: 2019-12-11 16:28:18
End at: 2019-12-11 16:28:48
Local clock offset: 5.926 ms
Remote clock offset: -7.191 ms

# Below is generated by plot.py at 2019-12-11 17:29:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 86.058 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 77.367 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 98.457 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 78.165 ms
Loss rate: 1.37%
```

Run 4: Report of FillP — Data Link

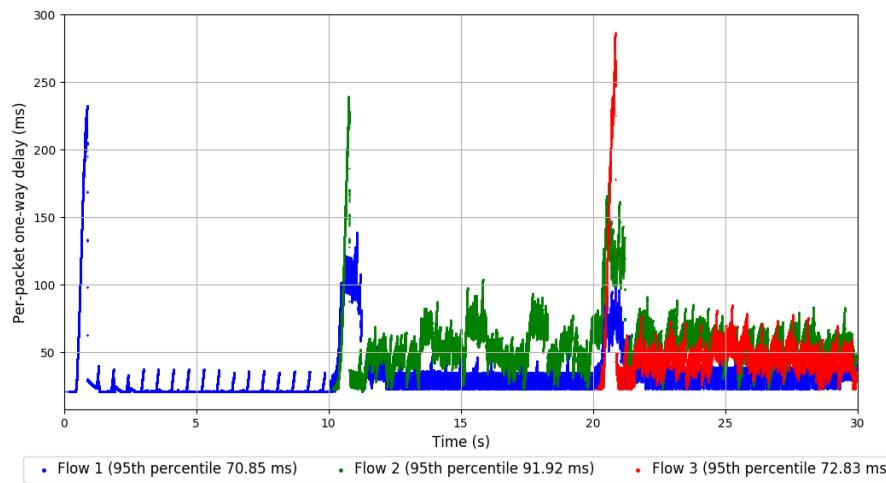
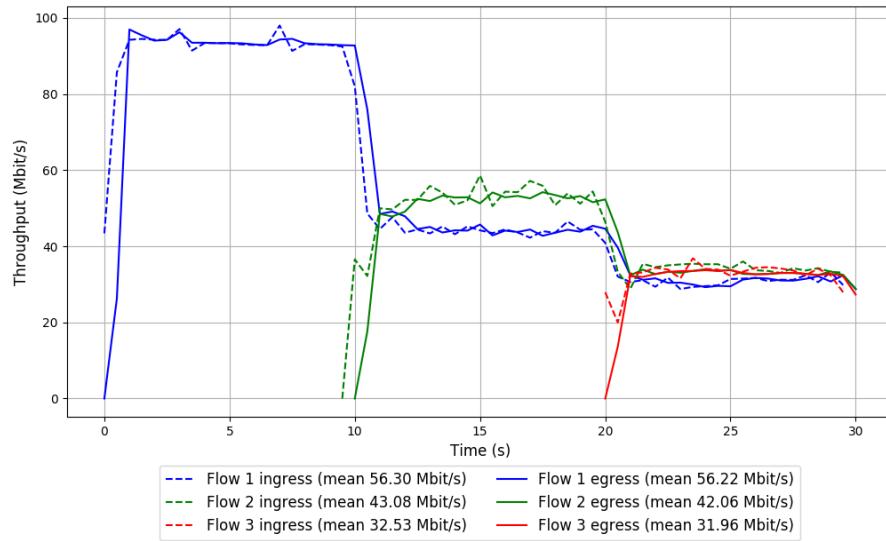


Run 5: Statistics of FillP

```
Start at: 2019-12-11 16:59:26
End at: 2019-12-11 16:59:56
Local clock offset: 3.908 ms
Remote clock offset: -6.437 ms

# Below is generated by plot.py at 2019-12-11 17:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 80.998 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 70.853 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 91.920 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 72.826 ms
Loss rate: 2.16%
```

Run 5: Report of FillP — Data Link

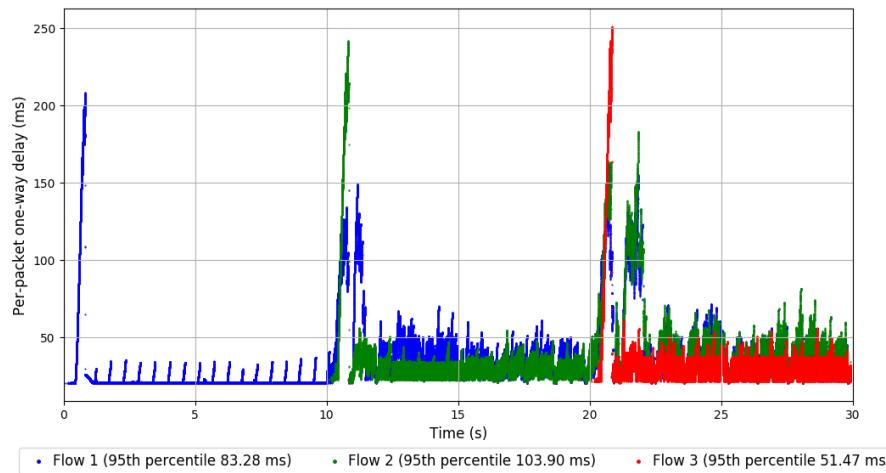
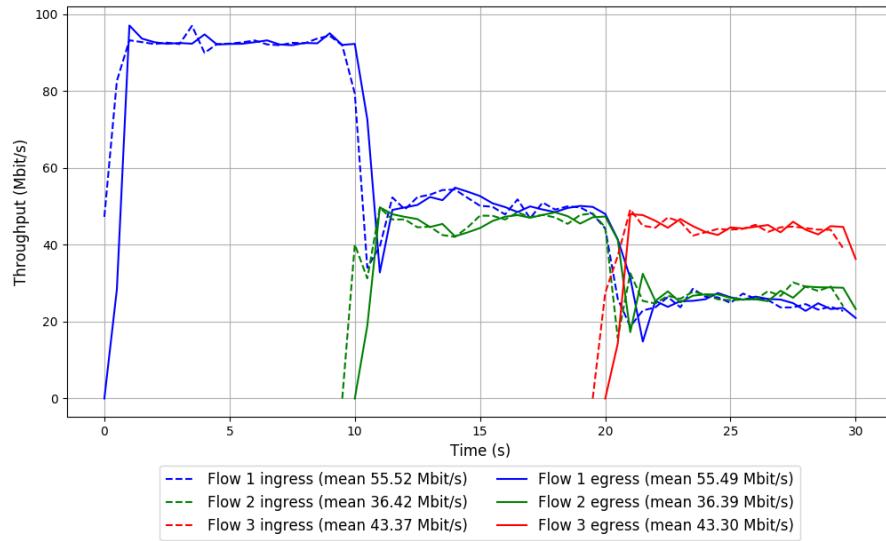


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-12-11 15:13:02
End at: 2019-12-11 15:13:32
Local clock offset: 4.228 ms
Remote clock offset: -9.125 ms

# Below is generated by plot.py at 2019-12-11 17:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 84.305 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 83.280 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 103.904 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 43.30 Mbit/s
95th percentile per-packet one-way delay: 51.474 ms
Loss rate: 0.57%
```

Run 1: Report of FillP-Sheep — Data Link

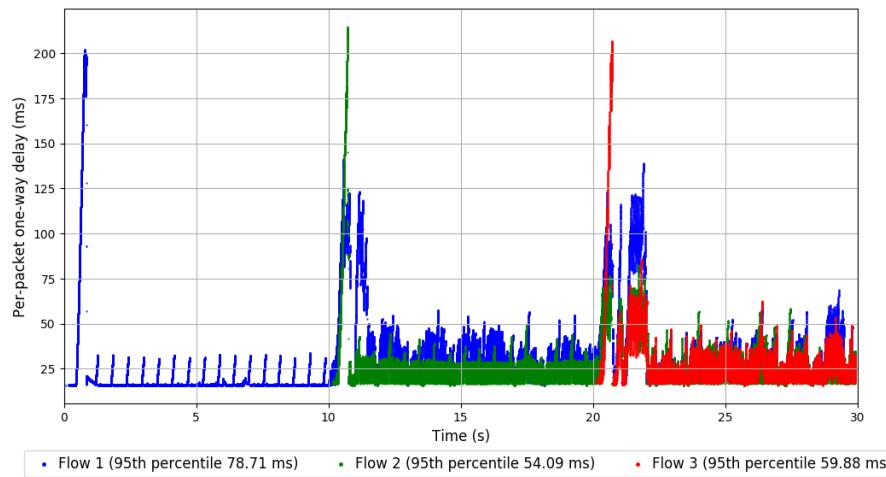
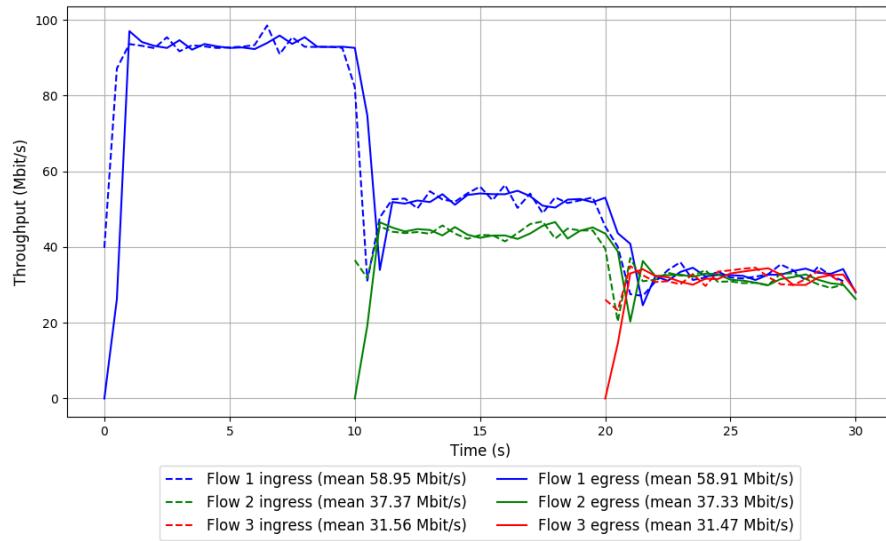


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-12-11 15:43:52
End at: 2019-12-11 15:44:22
Local clock offset: 0.103 ms
Remote clock offset: -9.297 ms

# Below is generated by plot.py at 2019-12-11 17:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 62.834 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 78.708 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 54.091 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 59.876 ms
Loss rate: 0.75%
```

Run 2: Report of FillP-Sheep — Data Link

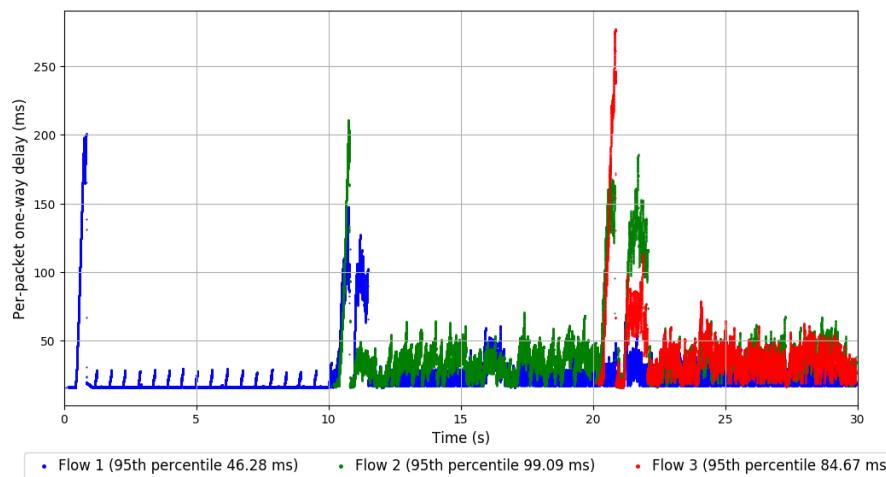
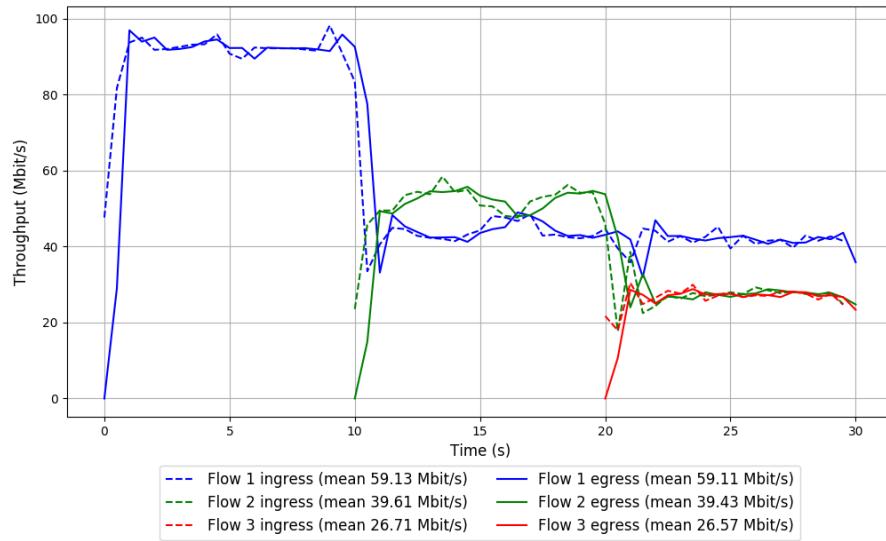


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-12-11 16:14:09
End at: 2019-12-11 16:14:39
Local clock offset: 1.631 ms
Remote clock offset: -7.746 ms

# Below is generated by plot.py at 2019-12-11 17:30:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 65.834 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 46.276 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 99.090 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 84.671 ms
Loss rate: 0.98%
```

Run 3: Report of FillP-Sheep — Data Link

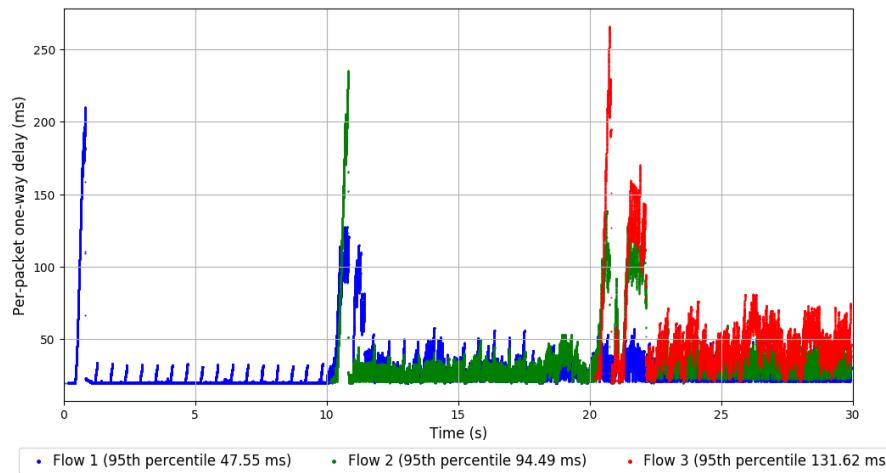
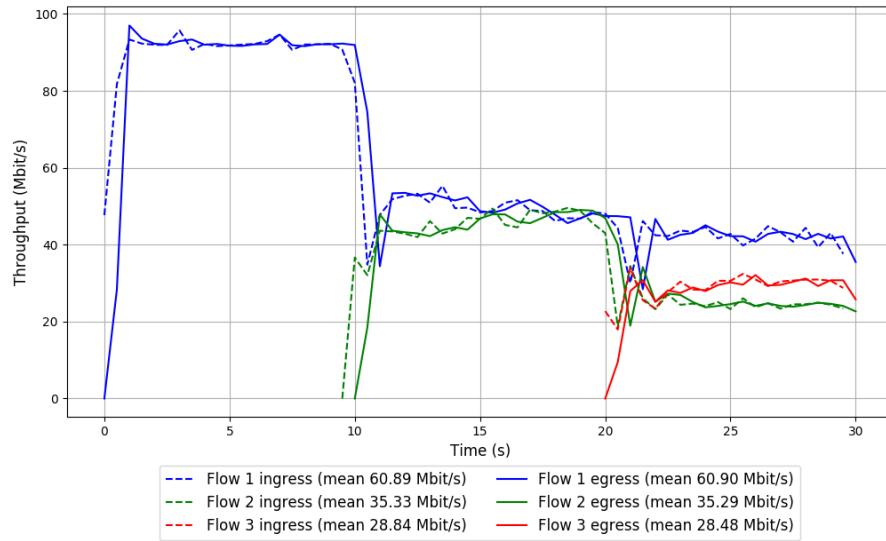


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-12-11 16:45:19
End at: 2019-12-11 16:45:49
Local clock offset: 4.684 ms
Remote clock offset: -5.747 ms

# Below is generated by plot.py at 2019-12-11 17:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 72.796 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 47.546 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 94.492 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 131.625 ms
Loss rate: 1.77%
```

Run 4: Report of FillP-Sheep — Data Link

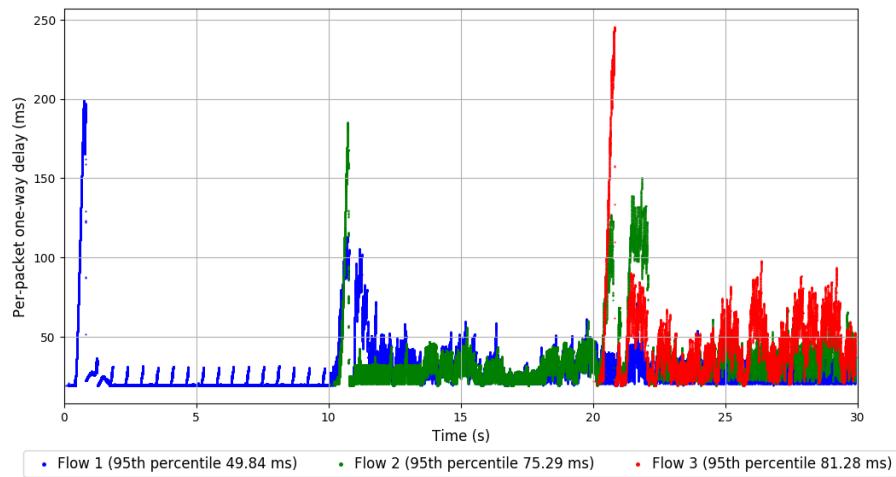
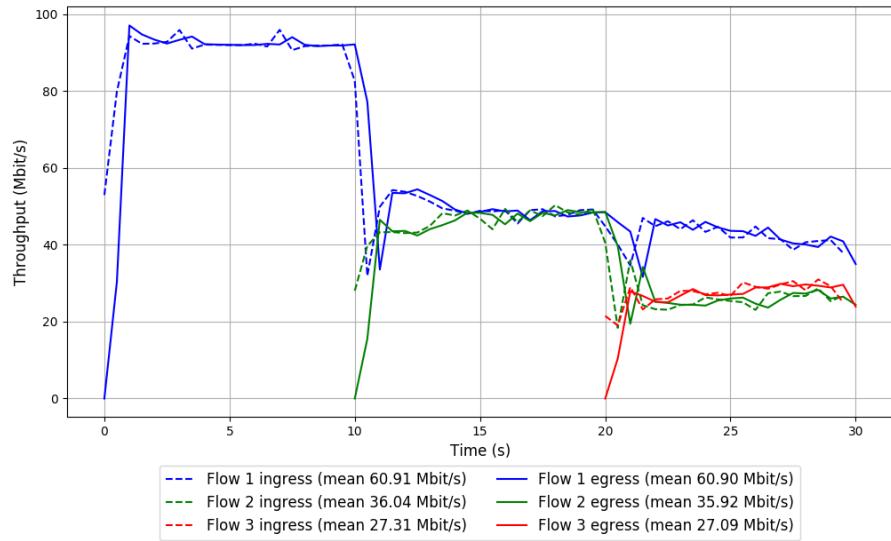


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-12-11 17:16:05
End at: 2019-12-11 17:16:35
Local clock offset: 4.445 ms
Remote clock offset: -4.125 ms

# Below is generated by plot.py at 2019-12-11 17:30:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 67.554 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 49.841 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 75.292 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 81.282 ms
Loss rate: 1.19%
```

Run 5: Report of FillP-Sheep — Data Link

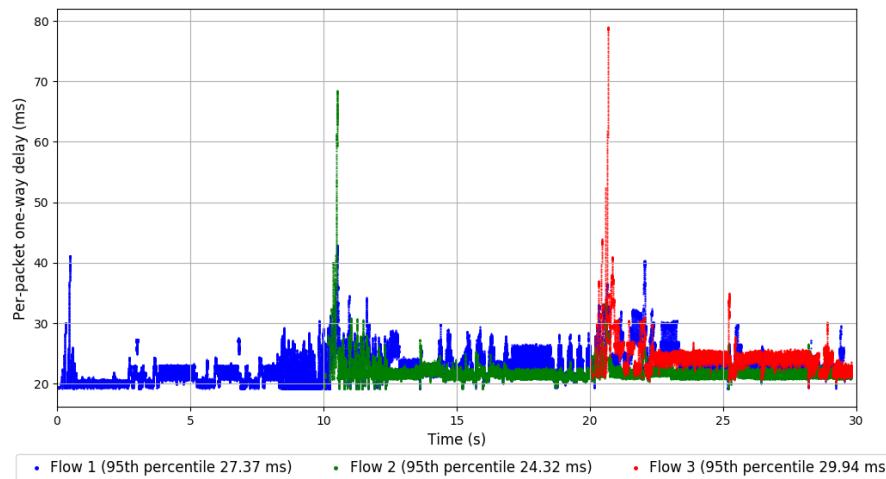
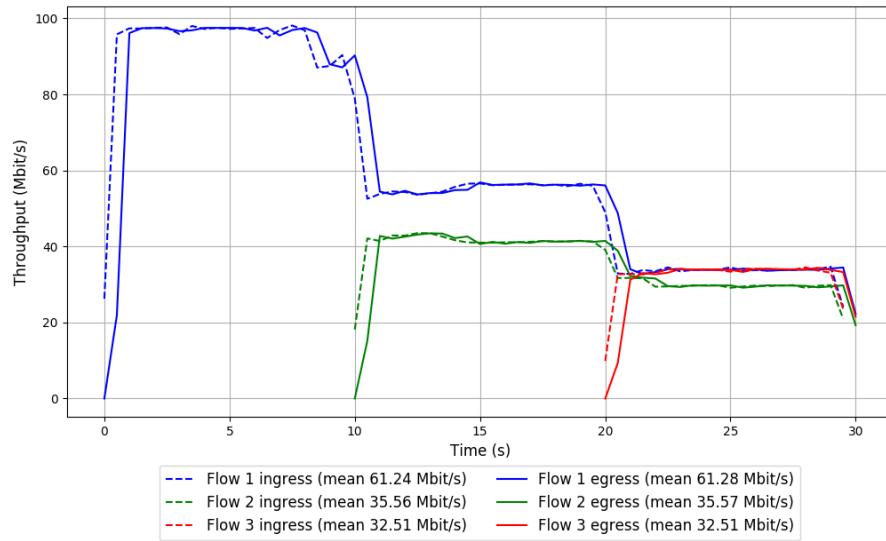


Run 1: Statistics of Indigo

```
Start at: 2019-12-11 15:18:08
End at: 2019-12-11 15:18:38
Local clock offset: 4.47 ms
Remote clock offset: -7.365 ms

# Below is generated by plot.py at 2019-12-11 17:30:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 27.022 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 27.374 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 24.316 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 29.944 ms
Loss rate: 0.55%
```

Run 1: Report of Indigo — Data Link

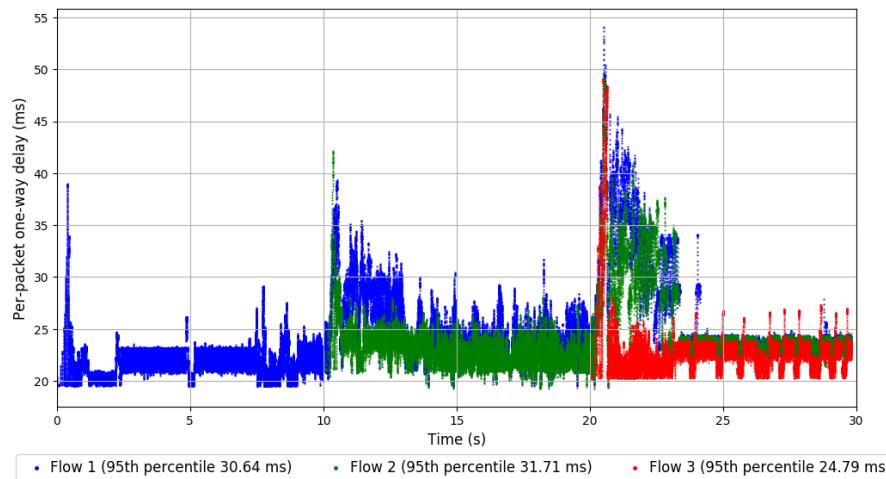
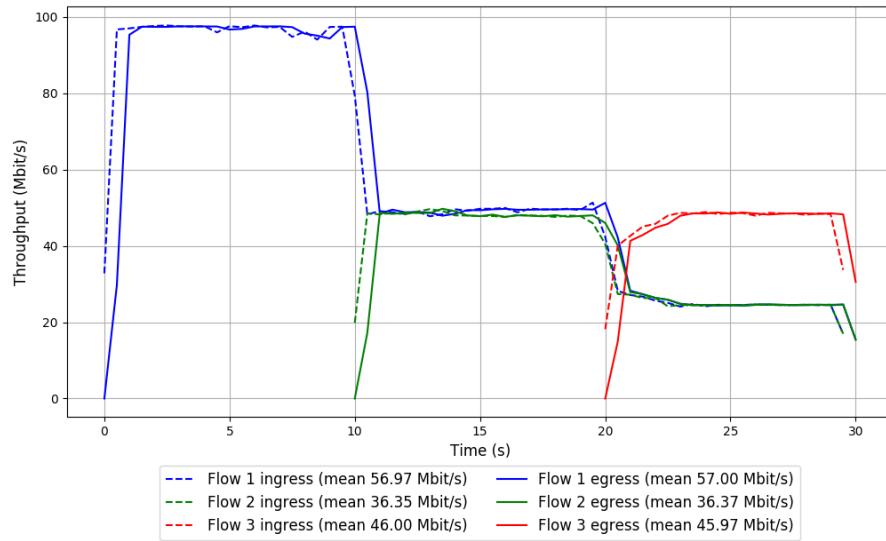


Run 2: Statistics of Indigo

```
Start at: 2019-12-11 15:49:01
End at: 2019-12-11 15:49:31
Local clock offset: 4.931 ms
Remote clock offset: -8.305 ms

# Below is generated by plot.py at 2019-12-11 17:30:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 30.387 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 30.642 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 31.715 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 24.788 ms
Loss rate: 0.58%
```

Run 2: Report of Indigo — Data Link

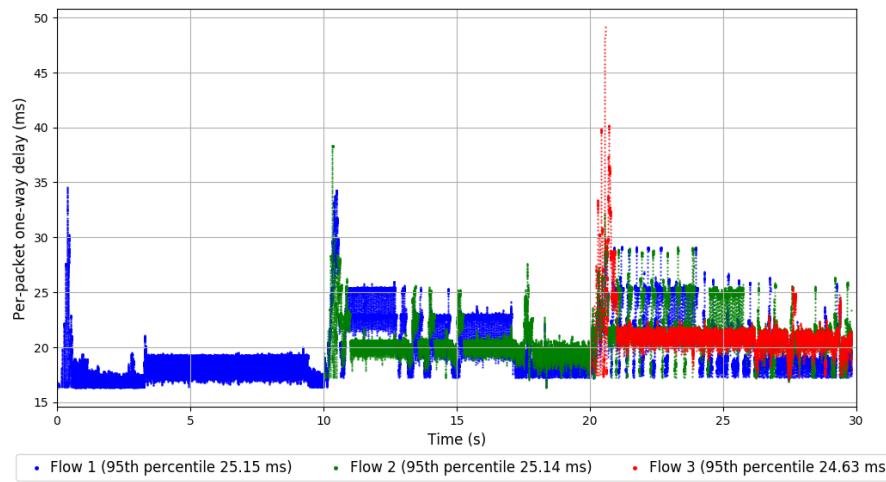
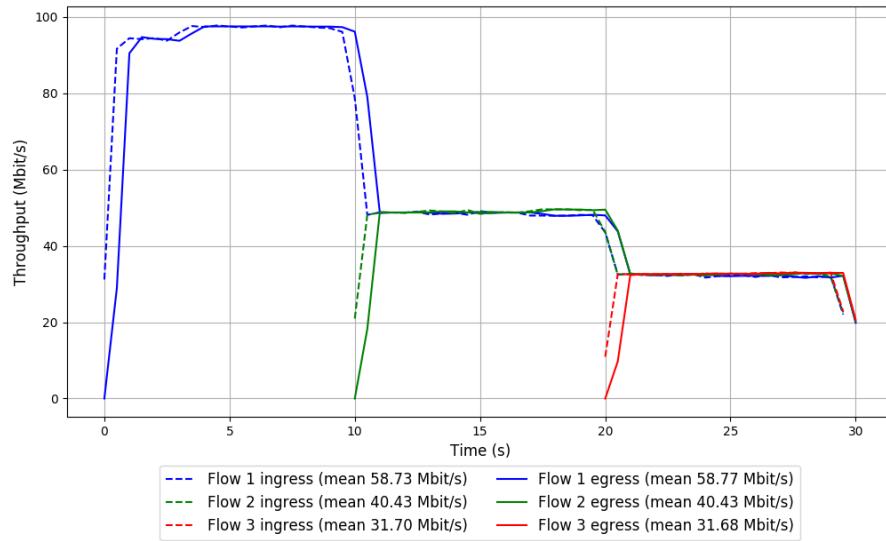


Run 3: Statistics of Indigo

```
Start at: 2019-12-11 16:19:28
End at: 2019-12-11 16:19:58
Local clock offset: 0.96 ms
Remote clock offset: -8.193 ms

# Below is generated by plot.py at 2019-12-11 17:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 25.126 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 25.151 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 25.135 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 24.629 ms
Loss rate: 0.59%
```

Run 3: Report of Indigo — Data Link

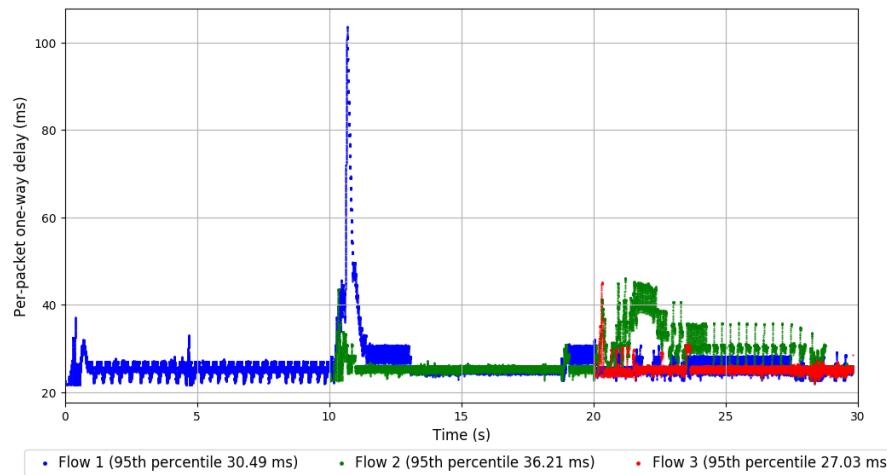
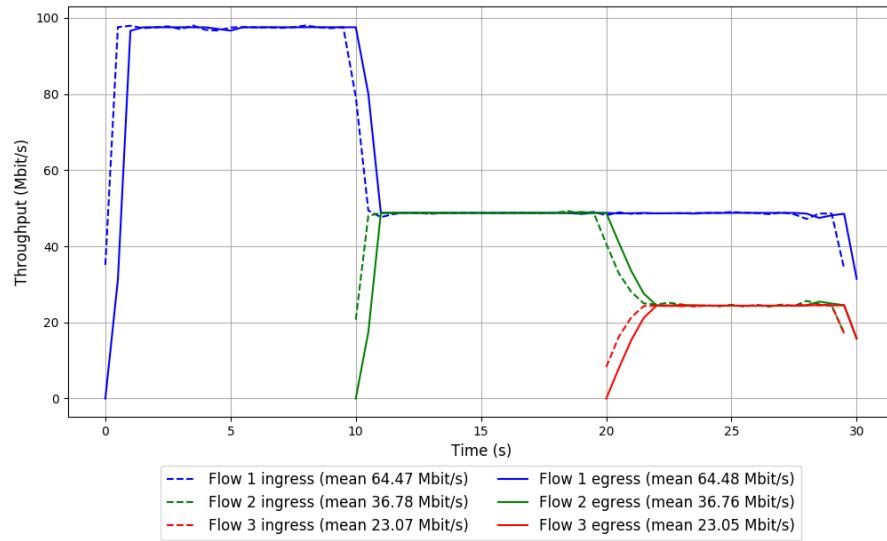


Run 4: Statistics of Indigo

```
Start at: 2019-12-11 16:50:42
End at: 2019-12-11 16:51:12
Local clock offset: 5.371 ms
Remote clock offset: -6.178 ms

# Below is generated by plot.py at 2019-12-11 17:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 31.031 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 30.493 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 36.213 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 23.05 Mbit/s
95th percentile per-packet one-way delay: 27.032 ms
Loss rate: 0.58%
```

Run 4: Report of Indigo — Data Link

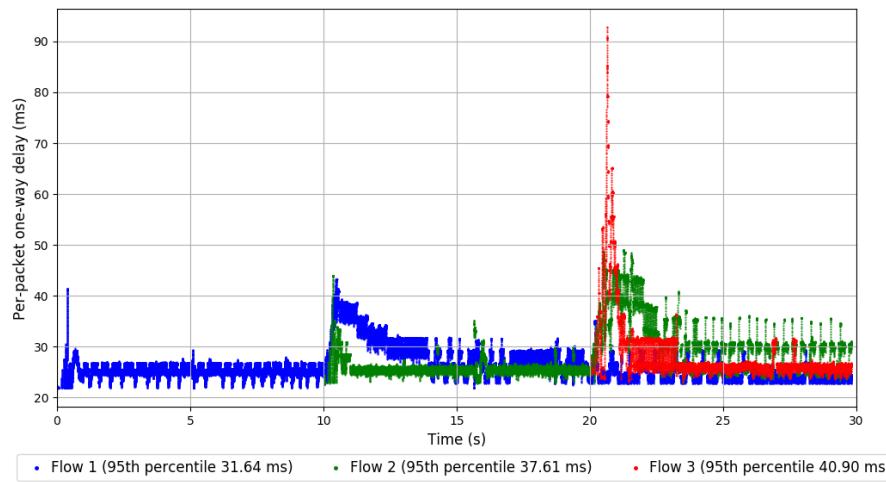
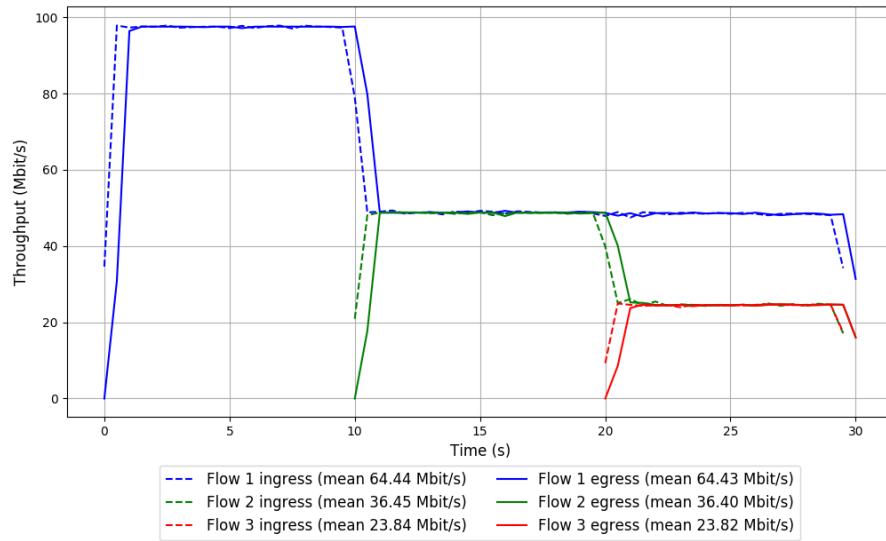


Run 5: Statistics of Indigo

```
Start at: 2019-12-11 17:21:17
End at: 2019-12-11 17:21:47
Local clock offset: 4.864 ms
Remote clock offset: -6.094 ms

# Below is generated by plot.py at 2019-12-11 17:31:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 33.712 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 31.644 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 37.606 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 40.900 ms
Loss rate: 0.62%
```

Run 5: Report of Indigo — Data Link

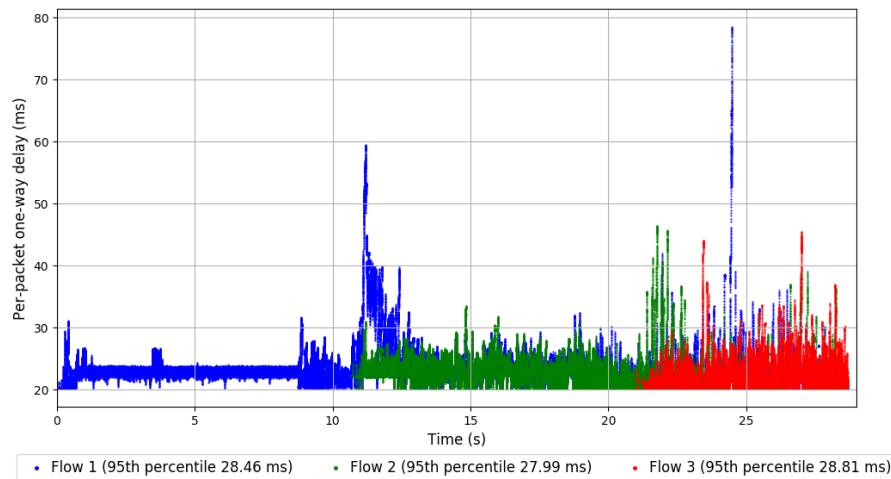
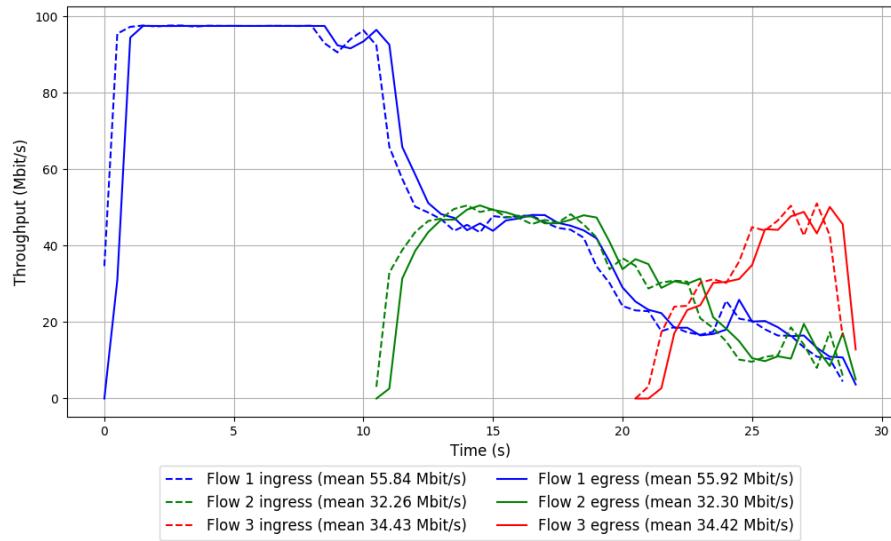


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 15:08:14
End at: 2019-12-11 15:08:44
Local clock offset: 4.581 ms
Remote clock offset: -8.18 ms

# Below is generated by plot.py at 2019-12-11 17:31:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 28.361 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 28.460 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 27.988 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 28.811 ms
Loss rate: 0.66%
```

Run 1: Report of Indigo-MusesC3 — Data Link

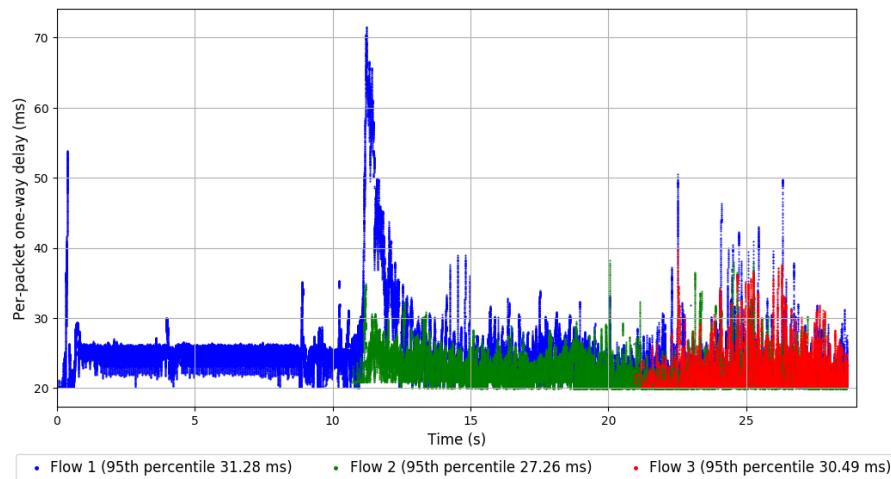
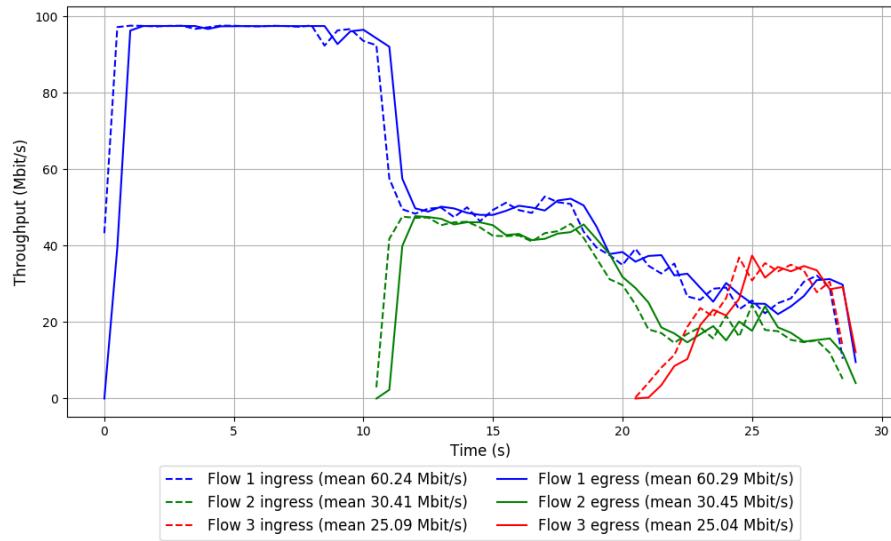


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 15:38:57
End at: 2019-12-11 15:39:27
Local clock offset: 3.861 ms
Remote clock offset: -8.853 ms

# Below is generated by plot.py at 2019-12-11 17:31:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 29.934 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 31.282 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 27.263 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 30.488 ms
Loss rate: 0.84%
```

Run 2: Report of Indigo-MusesC3 — Data Link

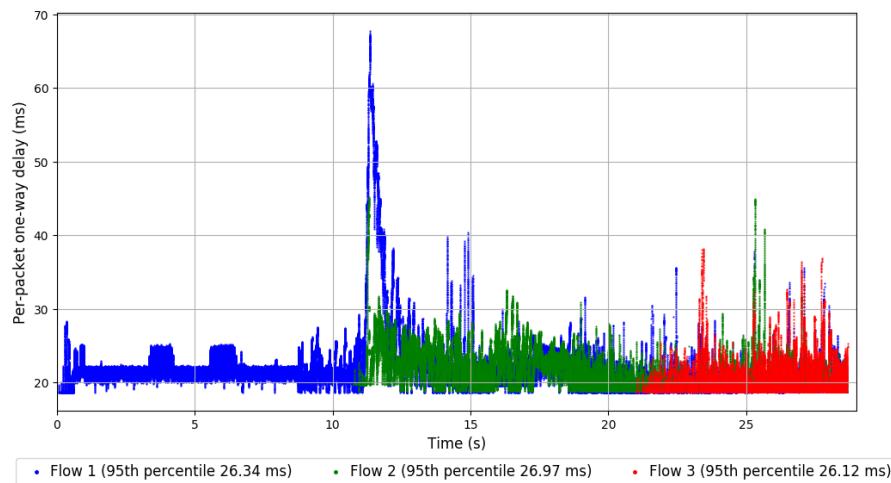
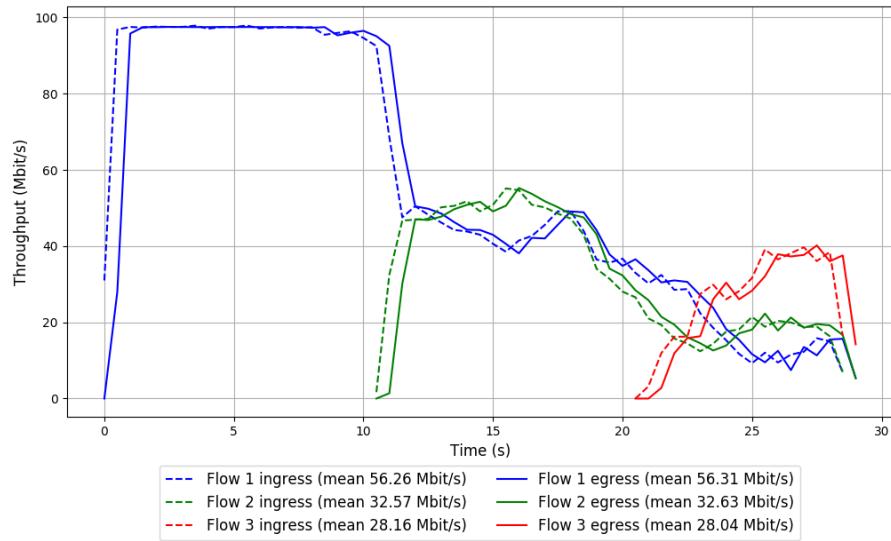


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 16:09:05
End at: 2019-12-11 16:09:35
Local clock offset: 6.143 ms
Remote clock offset: -6.048 ms

# Below is generated by plot.py at 2019-12-11 17:31:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 26.652 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 26.344 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 26.967 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 26.121 ms
Loss rate: 1.04%
```

Run 3: Report of Indigo-MusesC3 — Data Link

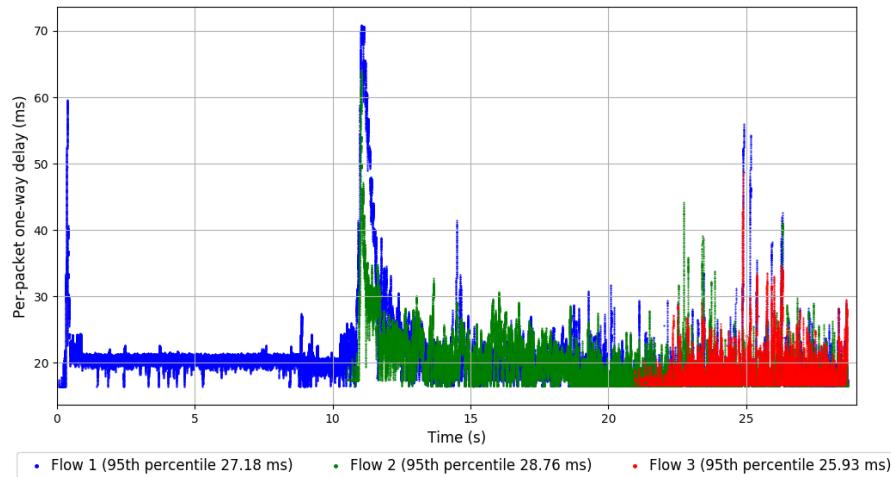
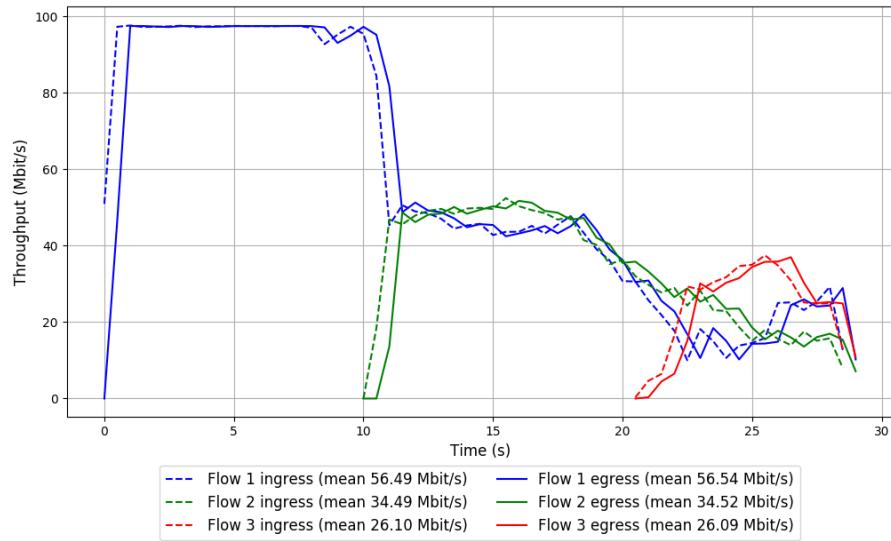


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 16:40:19
End at: 2019-12-11 16:40:49
Local clock offset: 1.695 ms
Remote clock offset: -6.134 ms

# Below is generated by plot.py at 2019-12-11 17:31:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 27.805 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 27.184 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 28.758 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 25.934 ms
Loss rate: 0.75%
```

Run 4: Report of Indigo-MusesC3 — Data Link

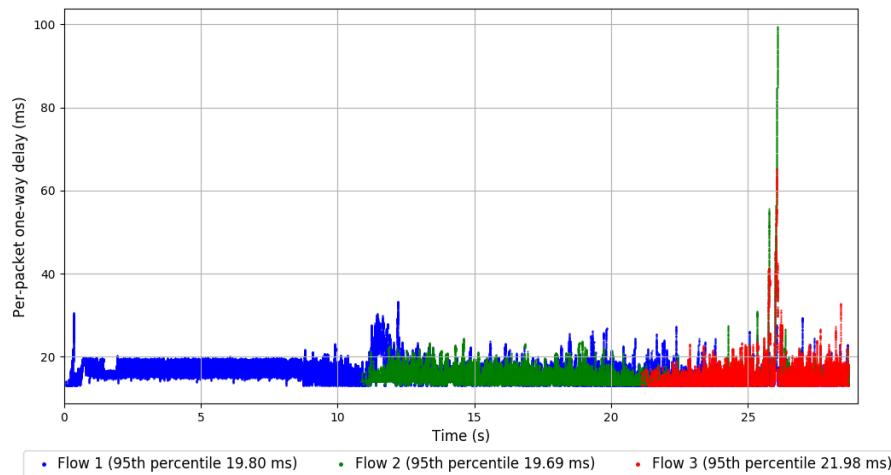
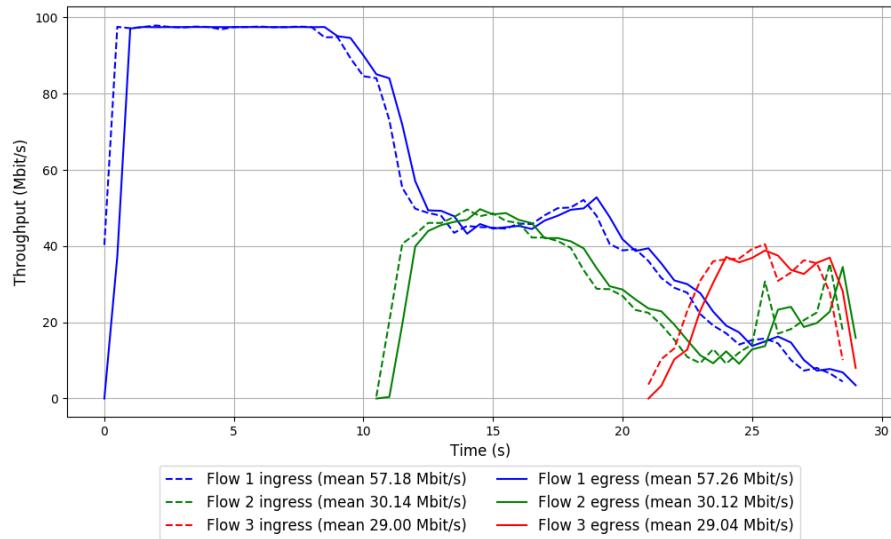


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 17:11:13
End at: 2019-12-11 17:11:43
Local clock offset: -0.651 ms
Remote clock offset: -2.624 ms

# Below is generated by plot.py at 2019-12-11 17:31:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 19.957 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 19.800 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 19.691 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 21.982 ms
Loss rate: 0.56%
```

Run 5: Report of Indigo-MusesC3 — Data Link

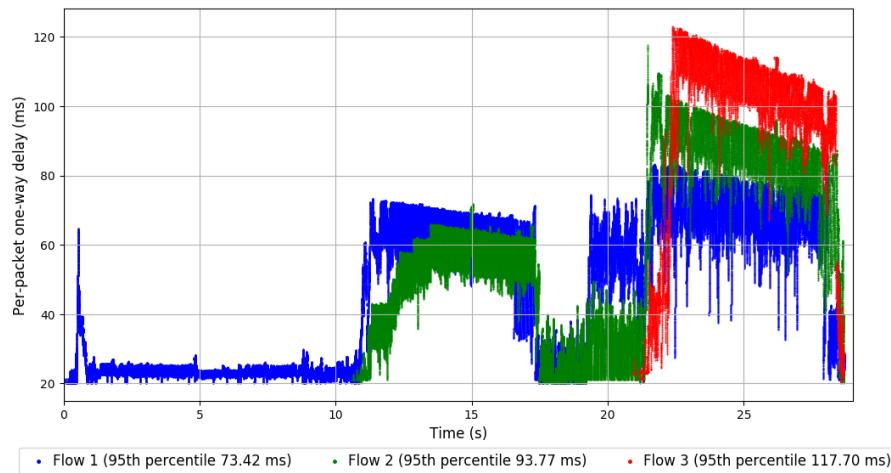
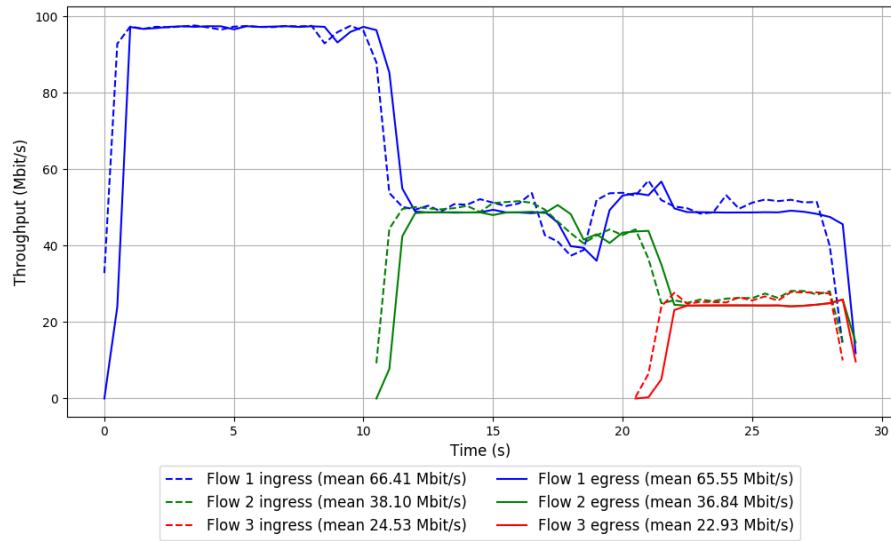


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 14:53:56
End at: 2019-12-11 14:54:26
Local clock offset: 4.011 ms
Remote clock offset: -9.152 ms

# Below is generated by plot.py at 2019-12-11 17:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 97.368 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 73.423 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 93.769 ms
Loss rate: 3.64%
-- Flow 3:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 117.697 ms
Loss rate: 7.17%
```

Run 1: Report of Indigo-MusesC5 — Data Link

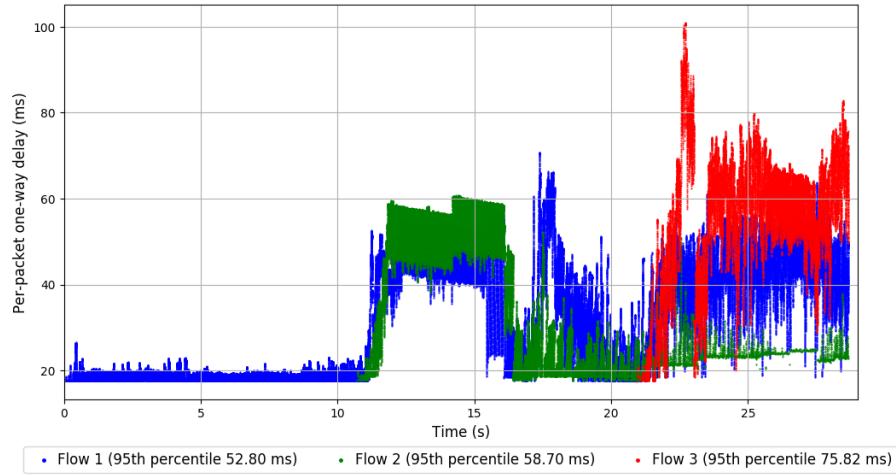
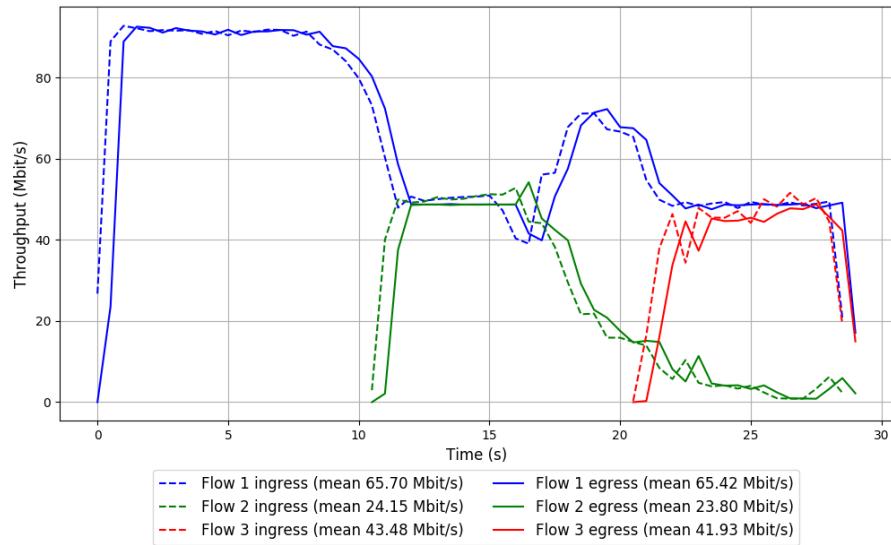


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 15:24:36
End at: 2019-12-11 15:25:06
Local clock offset: 1.606 ms
Remote clock offset: -8.588 ms

# Below is generated by plot.py at 2019-12-11 17:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 61.730 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 52.801 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 58.702 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 75.816 ms
Loss rate: 4.13%
```

Run 2: Report of Indigo-MusesC5 — Data Link

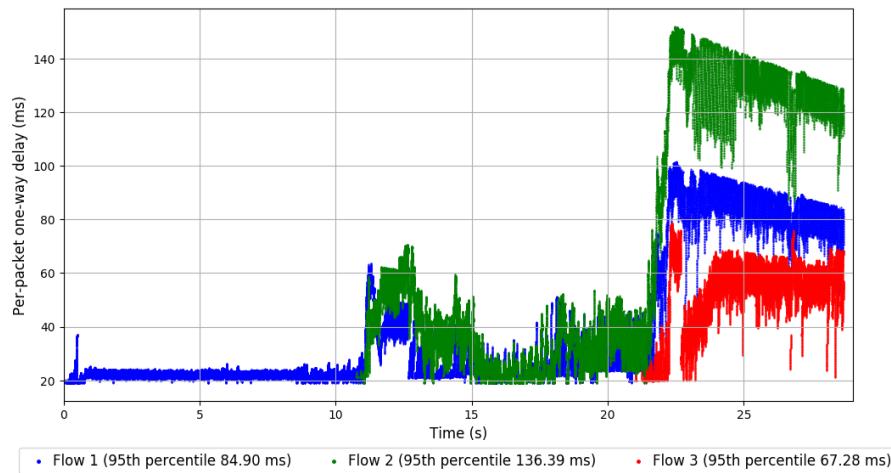
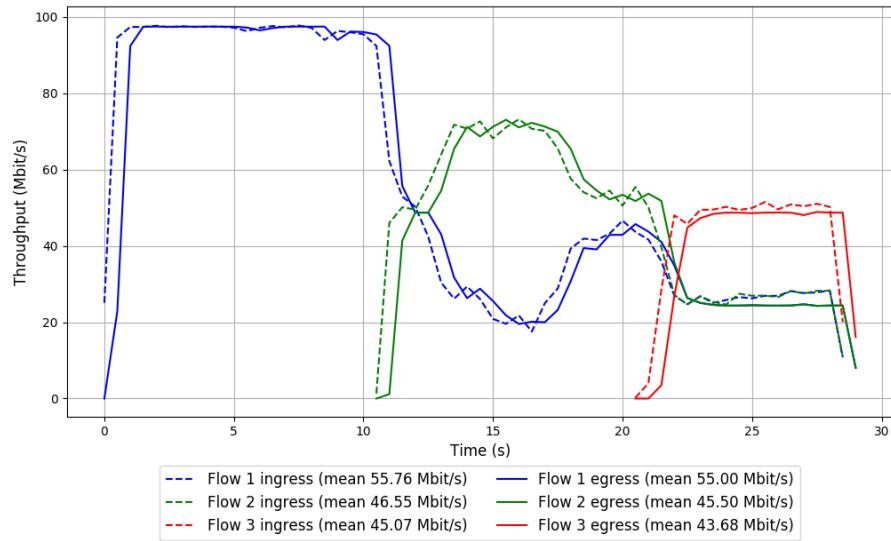


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 15:55:12
End at: 2019-12-11 15:55:42
Local clock offset: 6.072 ms
Remote clock offset: -6.657 ms

# Below is generated by plot.py at 2019-12-11 17:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 118.653 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 84.904 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 136.393 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 67.278 ms
Loss rate: 3.62%
```

Run 3: Report of Indigo-MusesC5 — Data Link

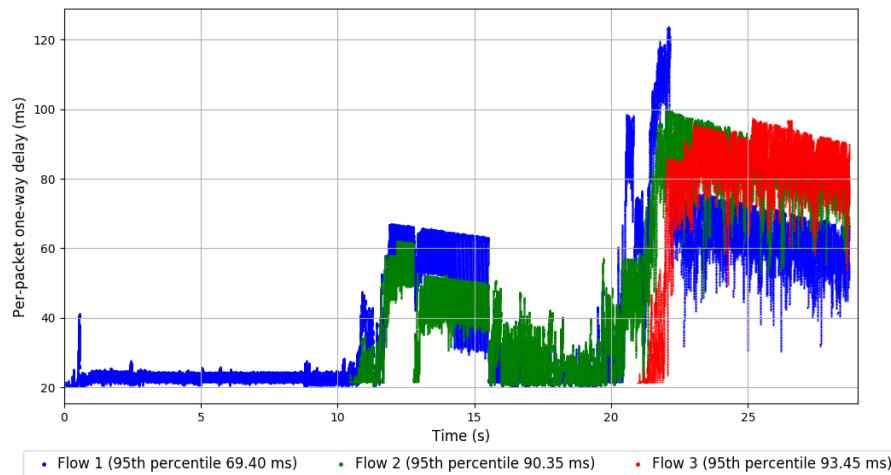
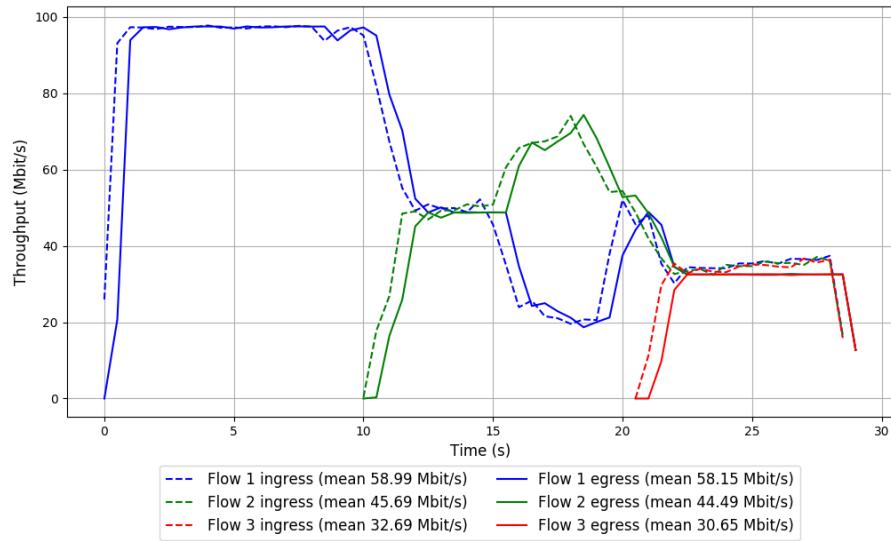


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 16:25:46
End at: 2019-12-11 16:26:16
Local clock offset: 5.775 ms
Remote clock offset: -7.219 ms

# Below is generated by plot.py at 2019-12-11 17:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 89.280 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 69.398 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 90.354 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 93.454 ms
Loss rate: 6.77%
```

Run 4: Report of Indigo-MusesC5 — Data Link

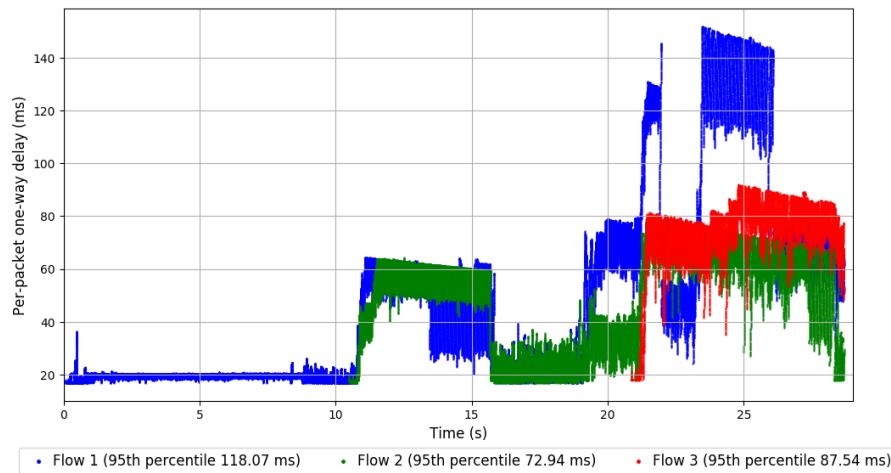
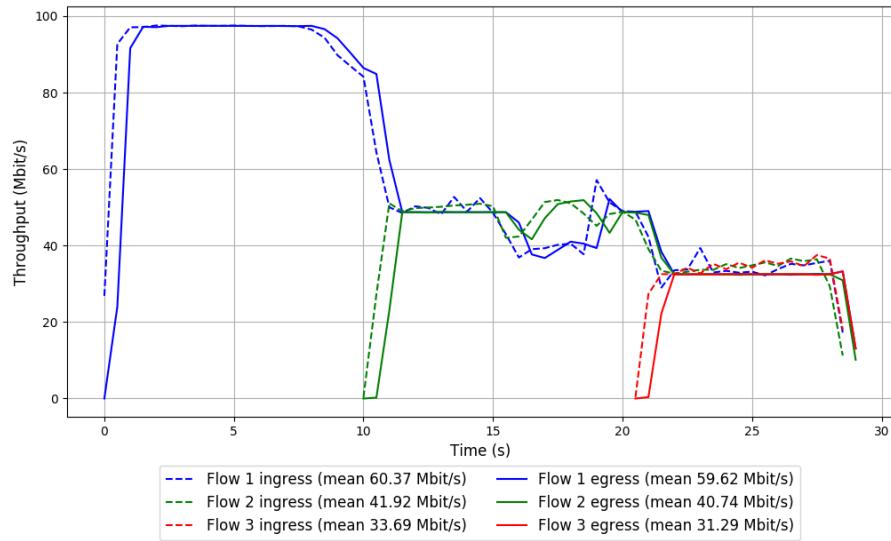


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 16:56:51
End at: 2019-12-11 16:57:21
Local clock offset: 0.477 ms
Remote clock offset: -5.615 ms

# Below is generated by plot.py at 2019-12-11 17:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 85.354 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 118.067 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 72.943 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 87.536 ms
Loss rate: 7.71%
```

Run 5: Report of Indigo-MusesC5 — Data Link

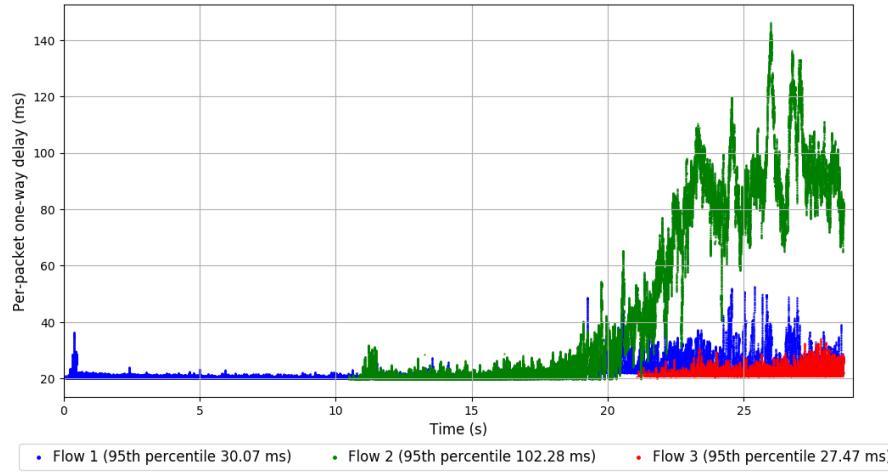
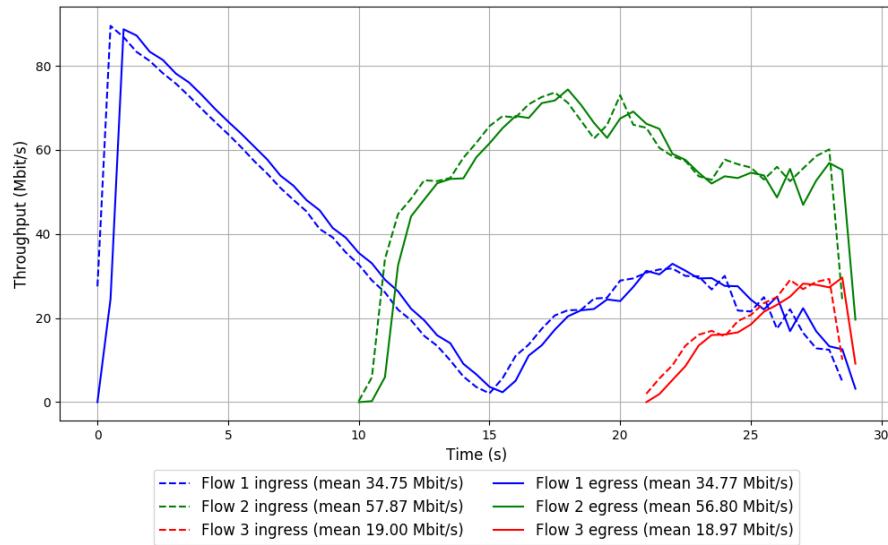


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 15:06:58
End at: 2019-12-11 15:07:28
Local clock offset: 4.906 ms
Remote clock offset: -7.414 ms

# Below is generated by plot.py at 2019-12-11 17:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 94.302 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 30.073 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 102.279 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 27.466 ms
Loss rate: 0.93%
```

Run 1: Report of Indigo-MusesD — Data Link

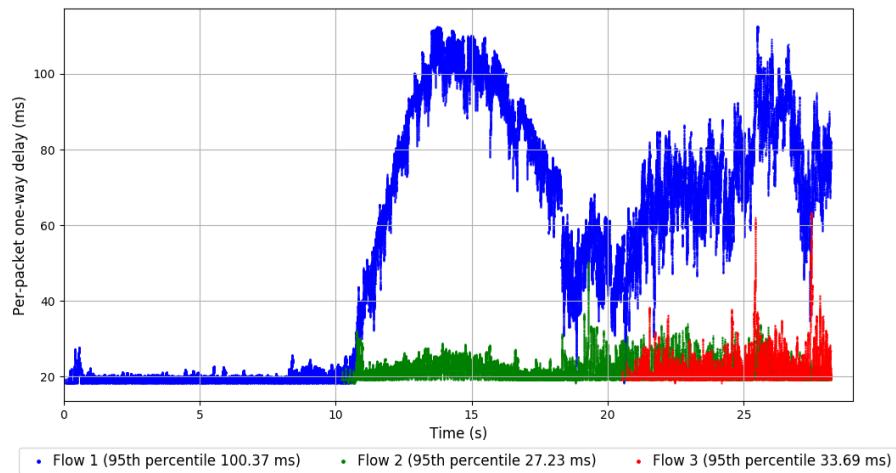
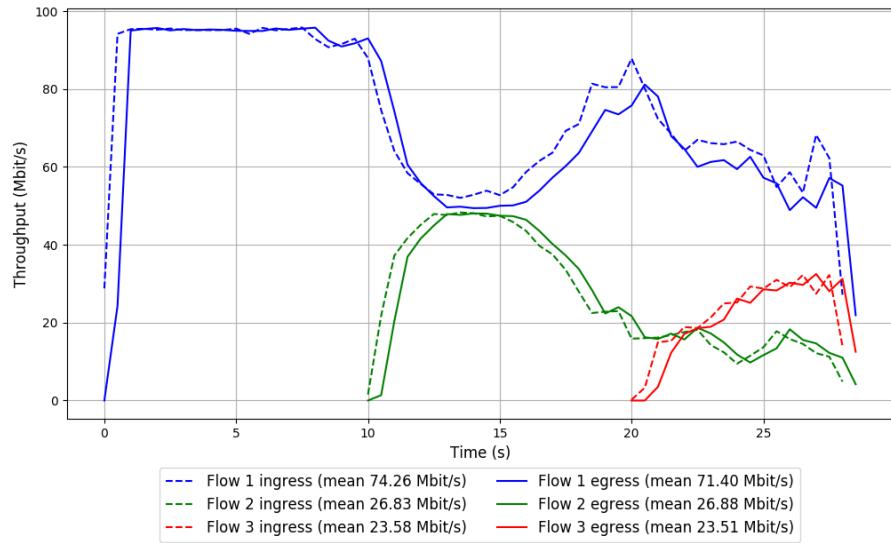


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 15:37:45
End at: 2019-12-11 15:38:15
Local clock offset: 3.572 ms
Remote clock offset: -7.304 ms

# Below is generated by plot.py at 2019-12-11 17:32:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 97.709 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 100.369 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 27.235 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 33.685 ms
Loss rate: 0.89%
```

Run 2: Report of Indigo-MusesD — Data Link

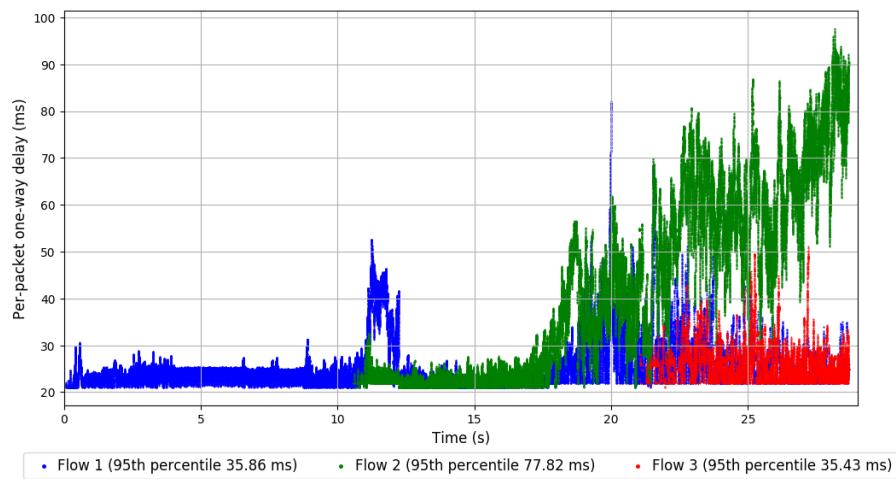
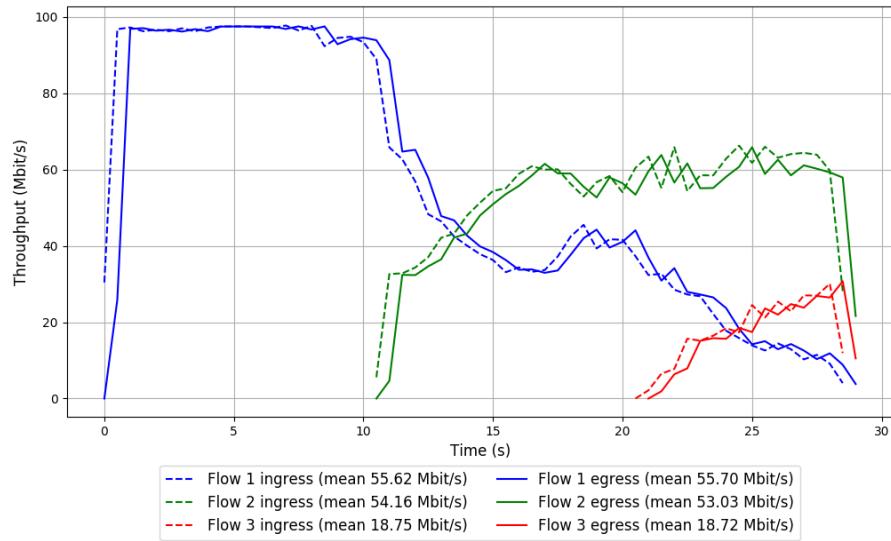


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 16:07:46
End at: 2019-12-11 16:08:16
Local clock offset: 6.507 ms
Remote clock offset: -8.158 ms

# Below is generated by plot.py at 2019-12-11 17:32:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 68.012 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 35.862 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 77.822 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 35.431 ms
Loss rate: 0.70%
```

Run 3: Report of Indigo-MusesD — Data Link

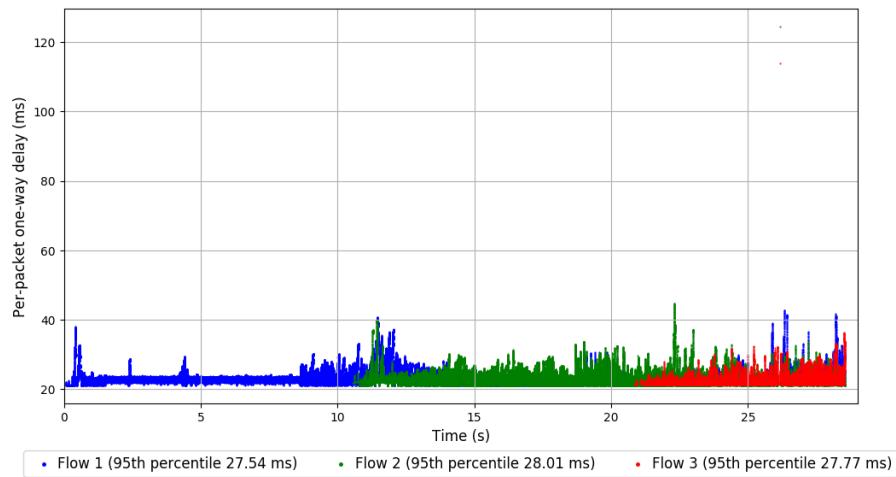
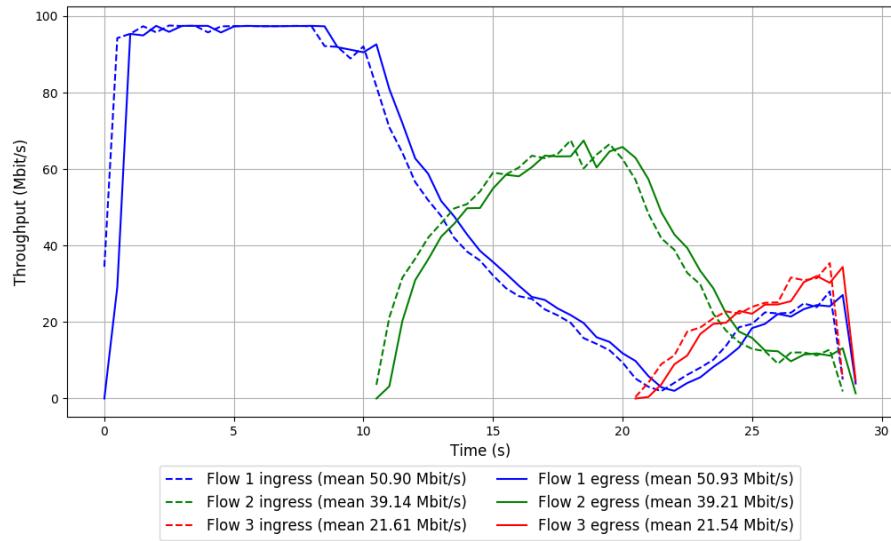


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 16:38:59
End at: 2019-12-11 16:39:29
Local clock offset: 6.852 ms
Remote clock offset: -5.968 ms

# Below is generated by plot.py at 2019-12-11 17:33:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 27.755 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 27.544 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 28.013 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 27.771 ms
Loss rate: 1.11%
```

Run 4: Report of Indigo-MusesD — Data Link

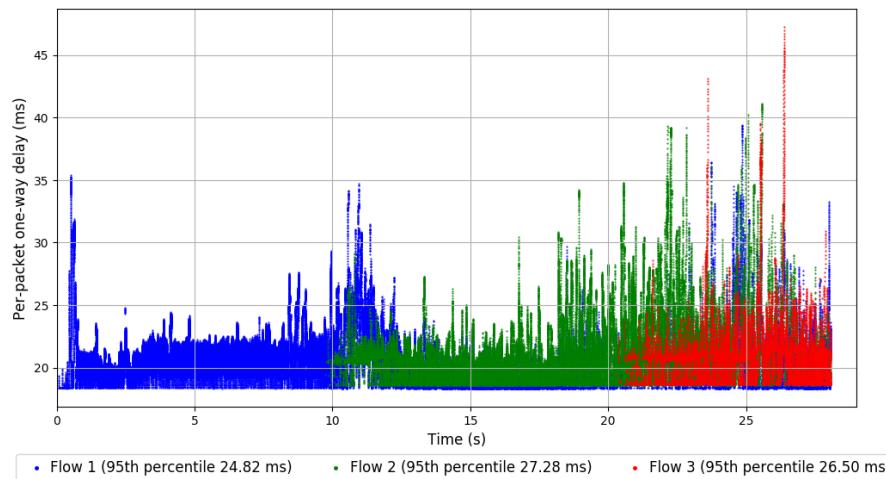
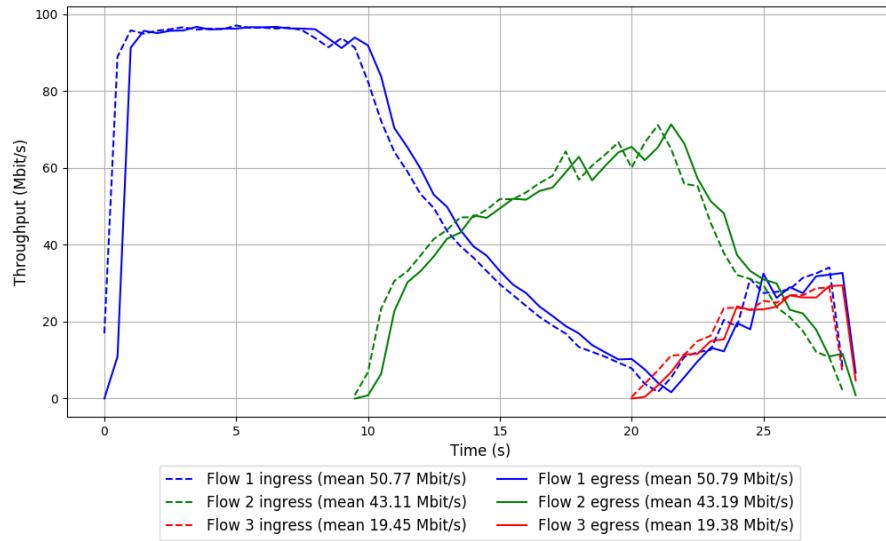


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 17:09:56
End at: 2019-12-11 17:10:26
Local clock offset: 3.832 ms
Remote clock offset: -3.596 ms

# Below is generated by plot.py at 2019-12-11 17:33:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 25.940 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 24.823 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 27.282 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 26.502 ms
Loss rate: 1.02%
```

Run 5: Report of Indigo-MusesD — Data Link

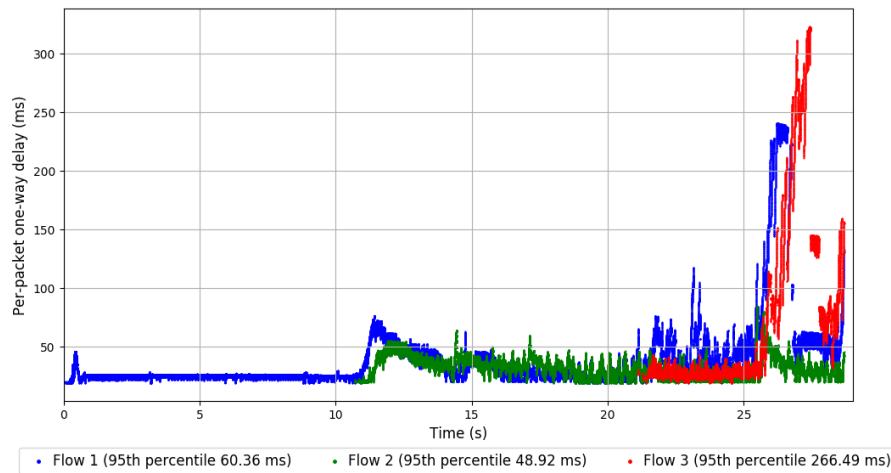
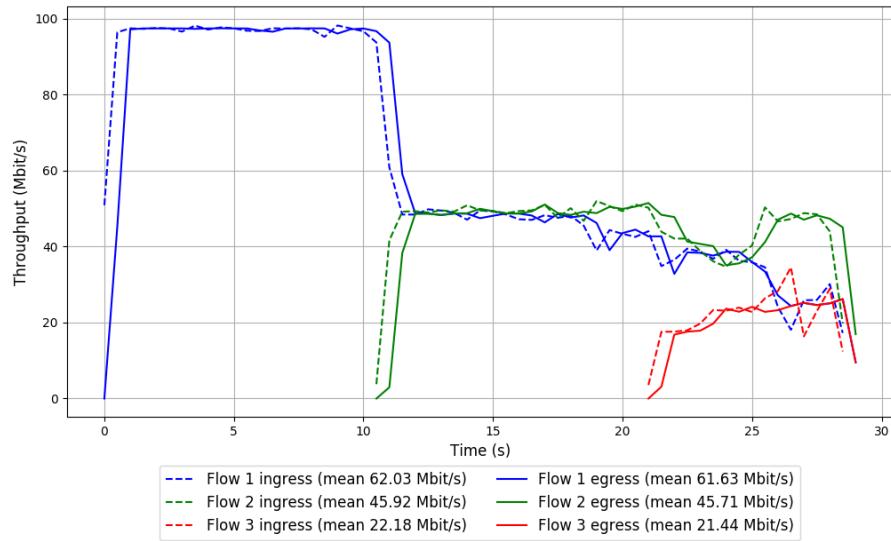


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 15:10:37
End at: 2019-12-11 15:11:07
Local clock offset: 3.91 ms
Remote clock offset: -7.458 ms

# Below is generated by plot.py at 2019-12-11 17:33:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 63.595 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 60.363 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 48.921 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 266.489 ms
Loss rate: 3.74%
```

Run 1: Report of Indigo-MusesT — Data Link

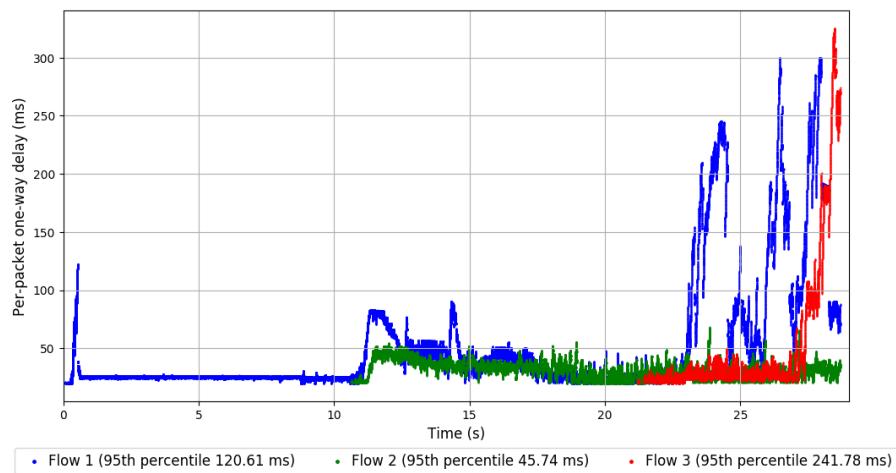
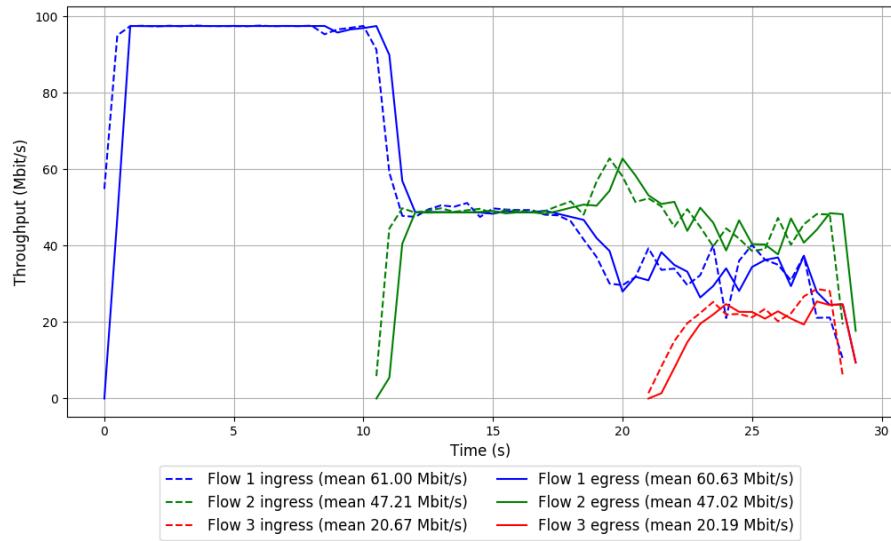


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 15:41:17
End at: 2019-12-11 15:41:48
Local clock offset: 4.322 ms
Remote clock offset: -8.57 ms

# Below is generated by plot.py at 2019-12-11 17:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 90.306 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 120.609 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 45.742 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 241.785 ms
Loss rate: 2.97%
```

Run 2: Report of Indigo-MusesT — Data Link

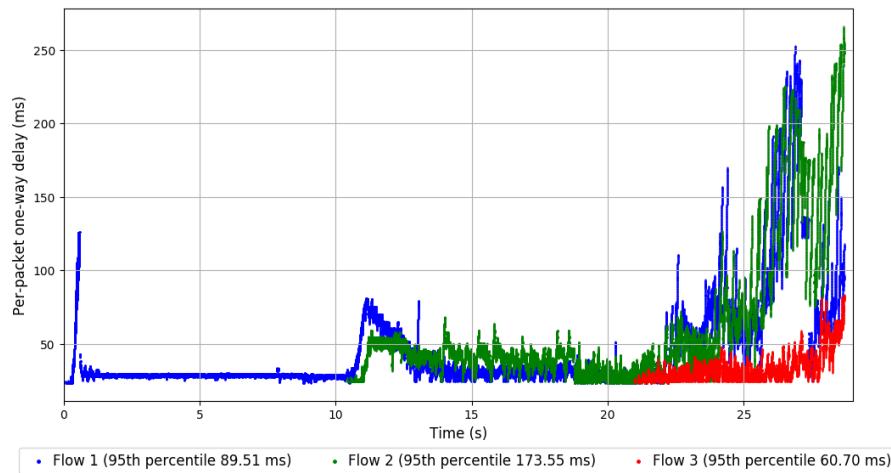
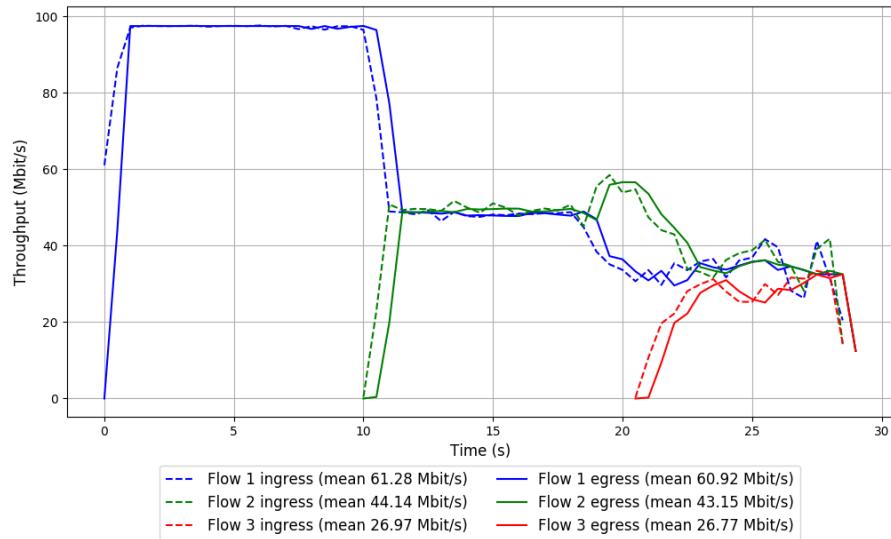


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 16:11:28
End at: 2019-12-11 16:11:58
Local clock offset: 4.755 ms
Remote clock offset: -11.859 ms

# Below is generated by plot.py at 2019-12-11 17:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 117.386 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 89.506 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 173.550 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 60.697 ms
Loss rate: 1.40%
```

Run 3: Report of Indigo-MusesT — Data Link

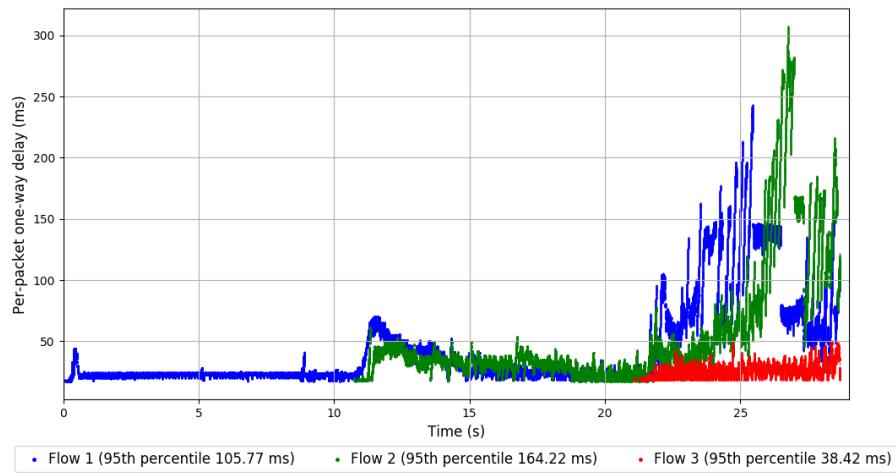
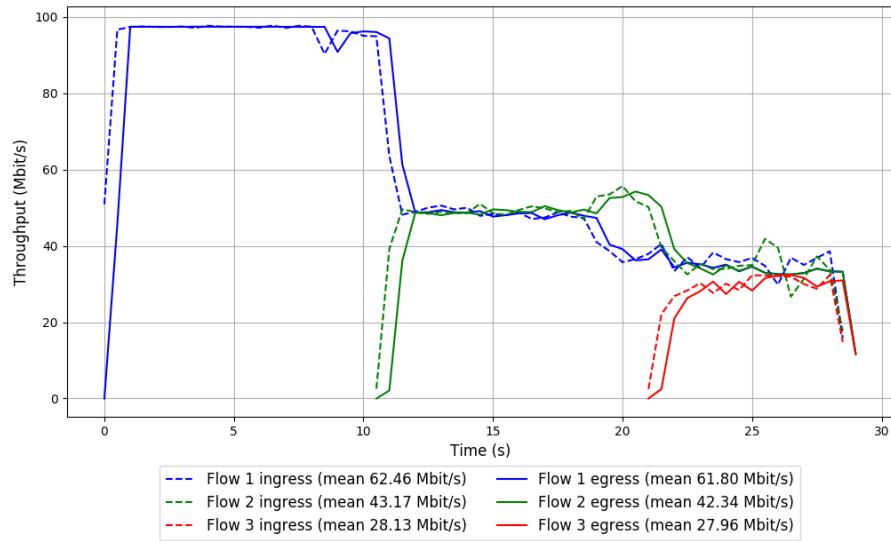


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 16:42:43
End at: 2019-12-11 16:43:13
Local clock offset: 3.637 ms
Remote clock offset: -4.381 ms

# Below is generated by plot.py at 2019-12-11 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 127.968 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 105.768 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 42.34 Mbit/s
95th percentile per-packet one-way delay: 164.220 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 1.22%
```

Run 4: Report of Indigo-MusesT — Data Link

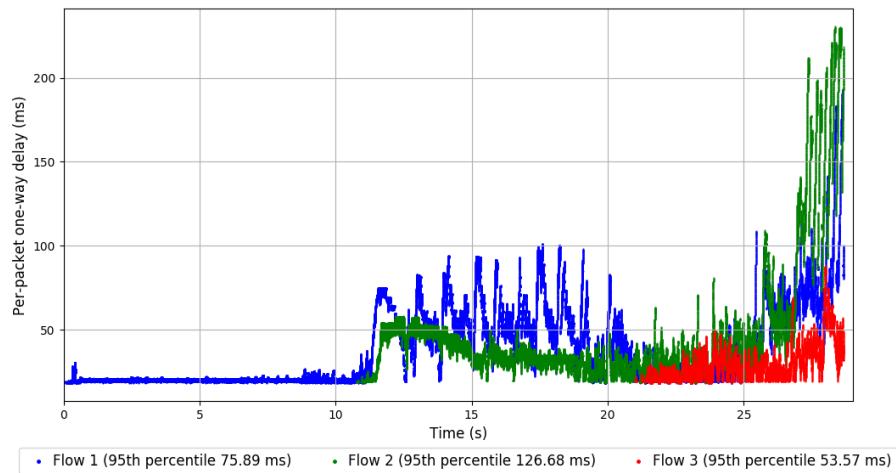
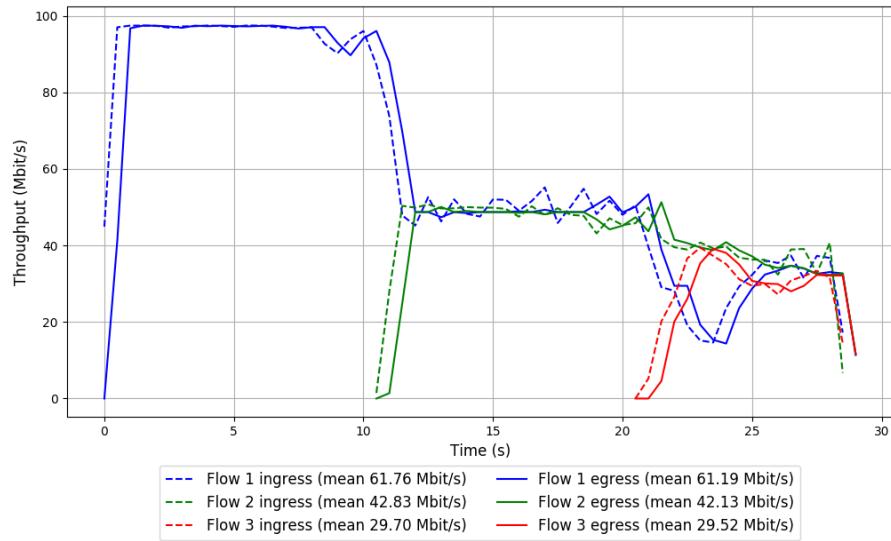


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 17:13:33
End at: 2019-12-11 17:14:03
Local clock offset: 4.11 ms
Remote clock offset: -3.315 ms

# Below is generated by plot.py at 2019-12-11 17:33:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 79.168 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 75.893 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 126.680 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 53.571 ms
Loss rate: 1.24%
```

Run 5: Report of Indigo-MusesT — Data Link

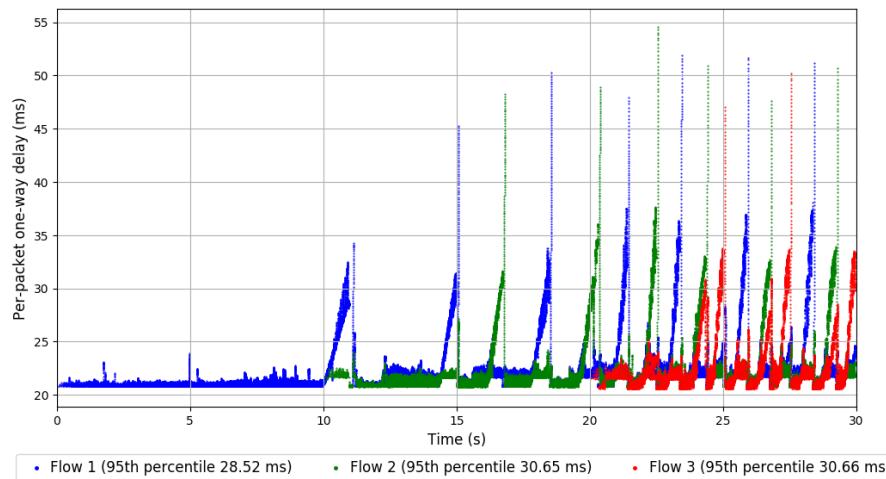
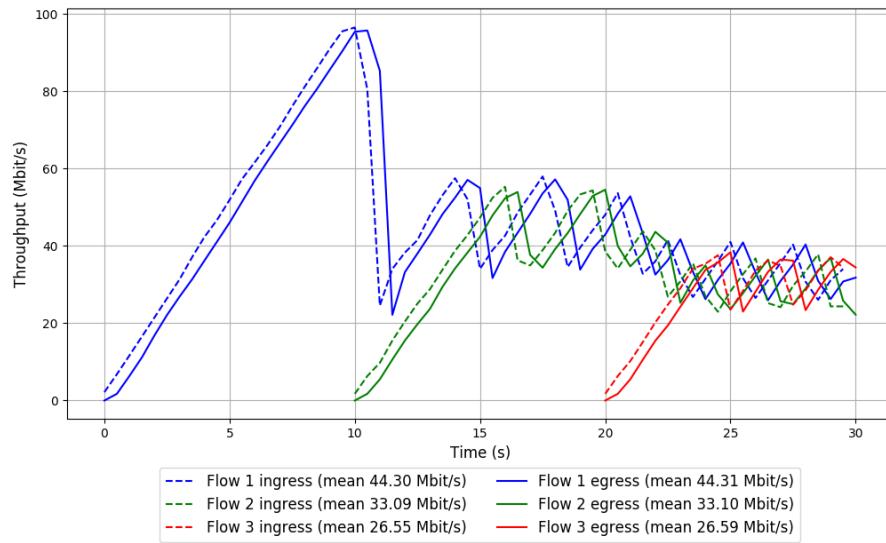


```
Run 1: Statistics of LEDBAT

Start at: 2019-12-11 15:11:50
End at: 2019-12-11 15:12:20
Local clock offset: 4.231 ms
Remote clock offset: -9.091 ms

# Below is generated by plot.py at 2019-12-11 17:33:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 29.619 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 28.518 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 30.653 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 30.664 ms
Loss rate: 0.39%
```

Run 1: Report of LEDBAT — Data Link

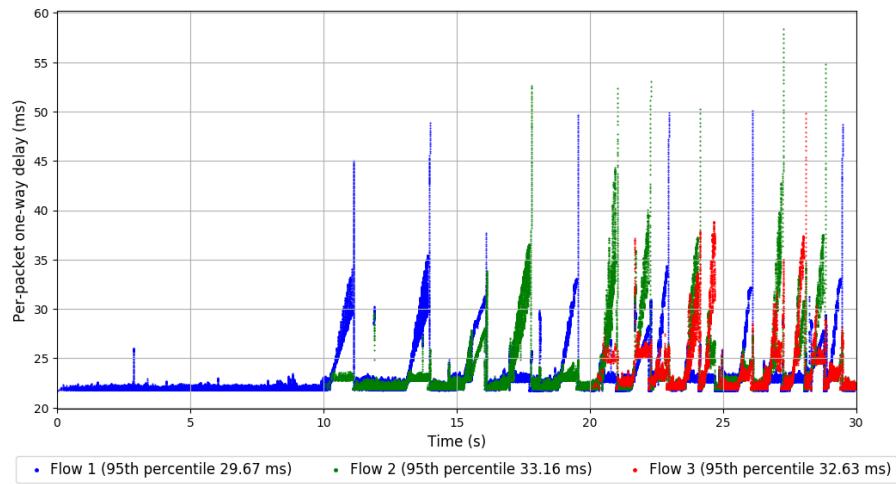
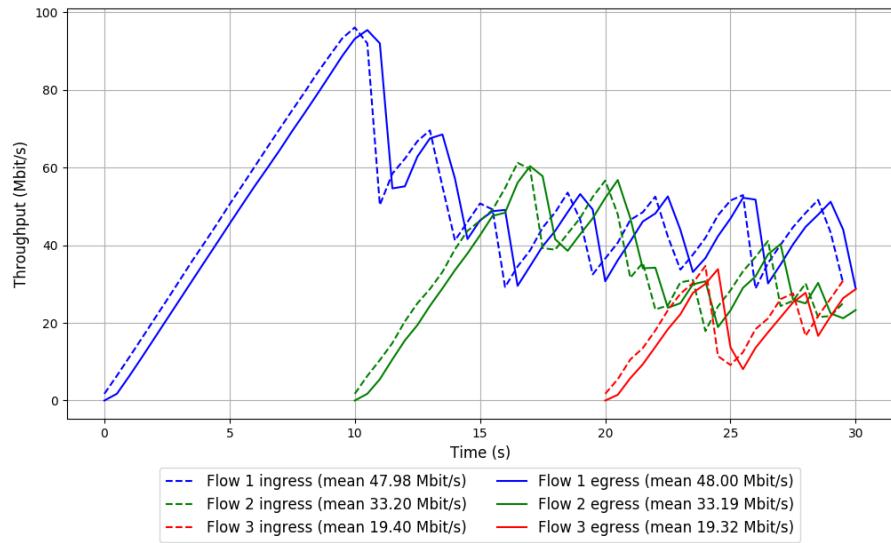


Run 2: Statistics of LEDBAT

```
Start at: 2019-12-11 15:42:37
End at: 2019-12-11 15:43:07
Local clock offset: 4.664 ms
Remote clock offset: -10.433 ms

# Below is generated by plot.py at 2019-12-11 17:34:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 29.667 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 33.162 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.32 Mbit/s
95th percentile per-packet one-way delay: 32.631 ms
Loss rate: 0.92%
```

Run 2: Report of LEDBAT — Data Link

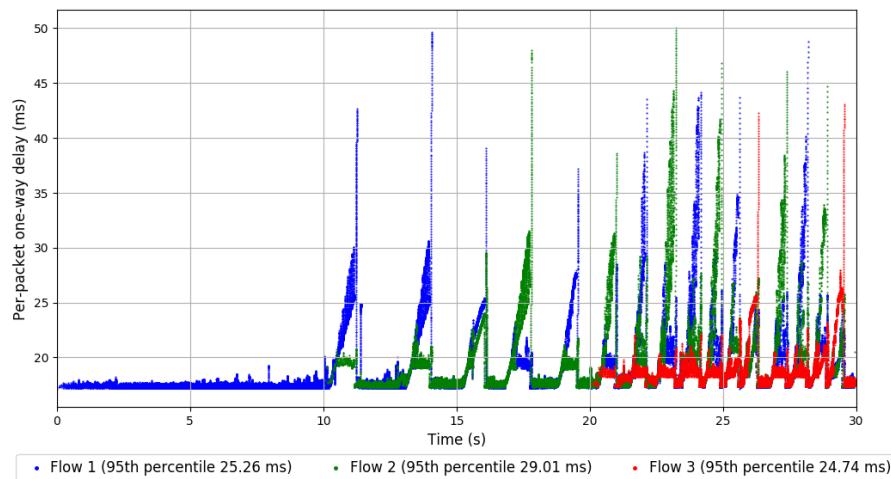
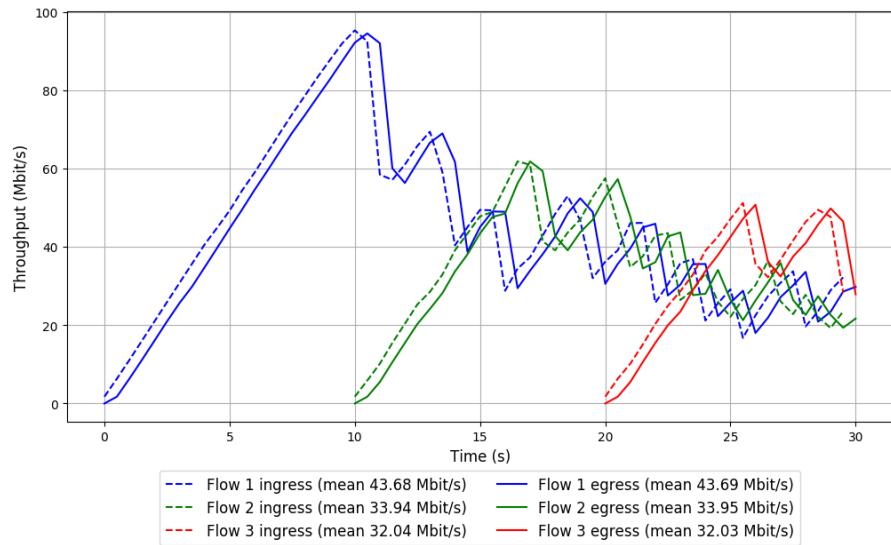


Run 3: Statistics of LEDBAT

```
Start at: 2019-12-11 16:12:47
End at: 2019-12-11 16:13:17
Local clock offset: 1.437 ms
Remote clock offset: -9.02 ms

# Below is generated by plot.py at 2019-12-11 17:34:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 26.033 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 25.257 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 29.006 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 24.742 ms
Loss rate: 0.53%
```

Run 3: Report of LEDBAT — Data Link

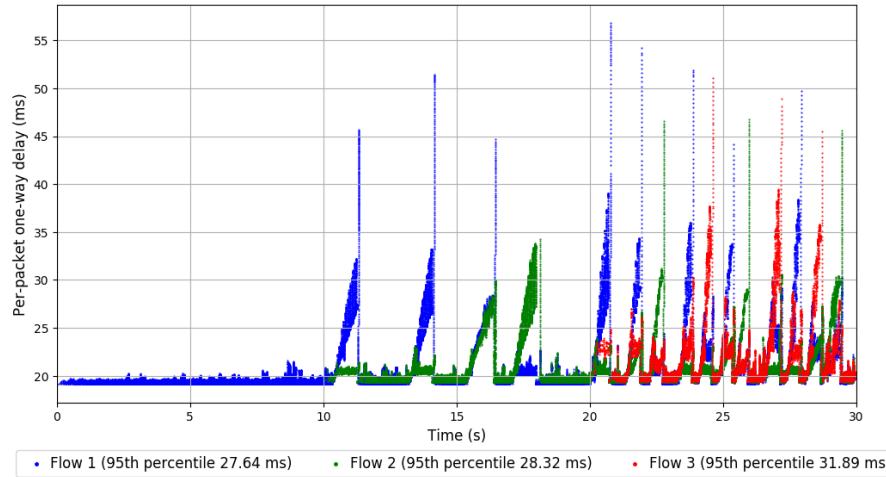
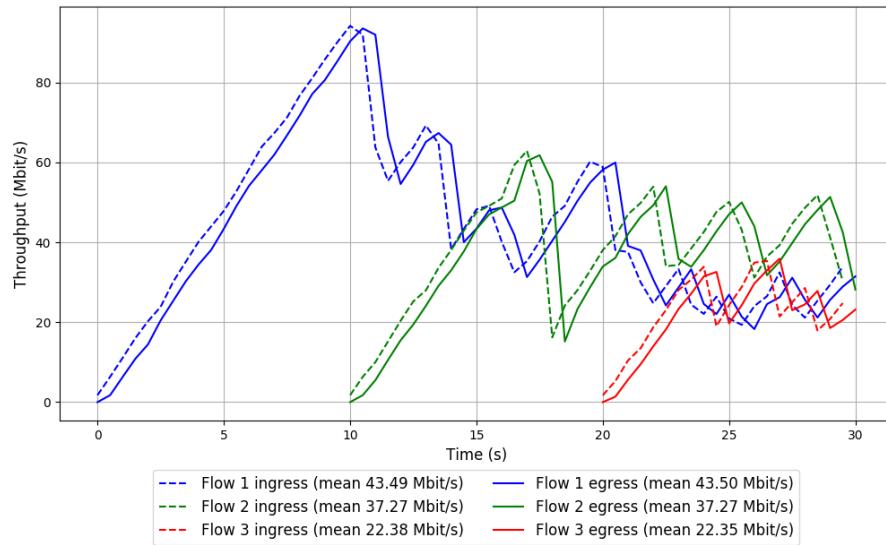


Run 4: Statistics of LEDBAT

```
Start at: 2019-12-11 16:44:01
End at: 2019-12-11 16:44:31
Local clock offset: 5.3 ms
Remote clock offset: -4.538 ms

# Below is generated by plot.py at 2019-12-11 17:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 28.234 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 27.644 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 28.320 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 31.889 ms
Loss rate: 0.65%
```

Run 4: Report of LEDBAT — Data Link

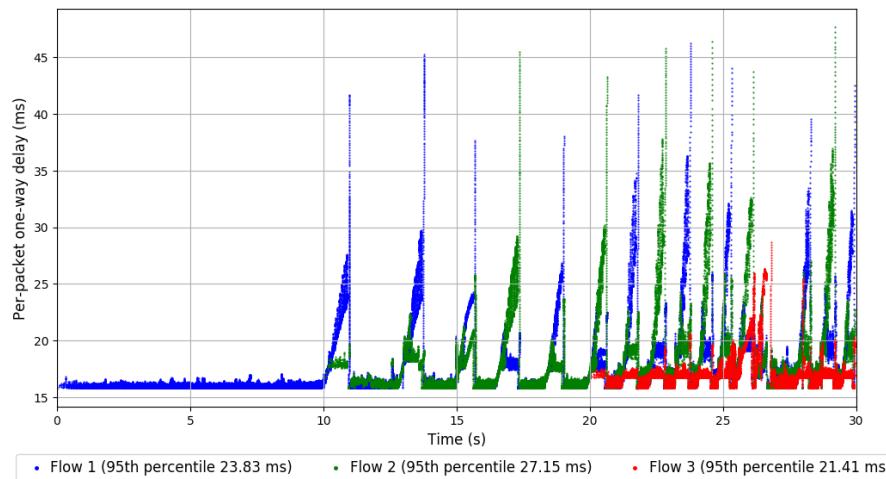
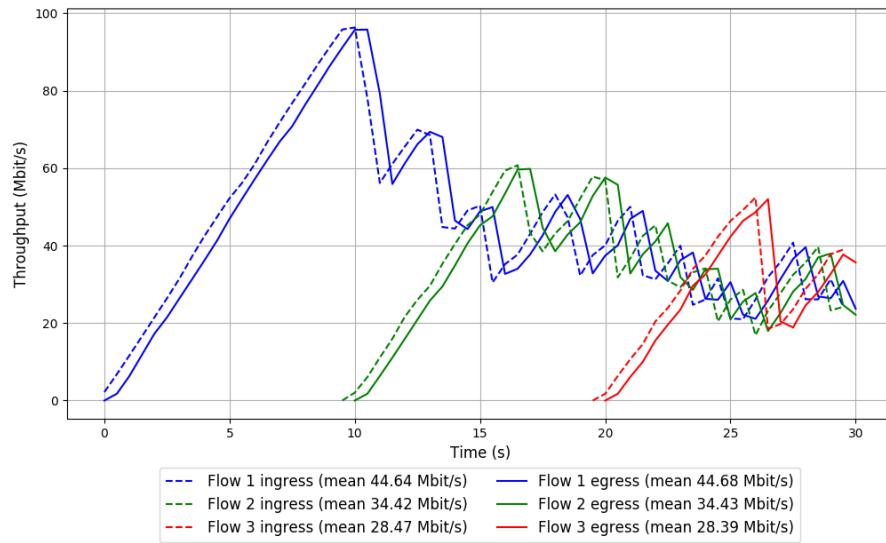


Run 5: Statistics of LEDBAT

```
Start at: 2019-12-11 17:14:47
End at: 2019-12-11 17:15:17
Local clock offset: -0.083 ms
Remote clock offset: -5.002 ms

# Below is generated by plot.py at 2019-12-11 17:34:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 24.728 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 23.828 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.43 Mbit/s
95th percentile per-packet one-way delay: 27.148 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 21.410 ms
Loss rate: 0.81%
```

Run 5: Report of LEDBAT — Data Link

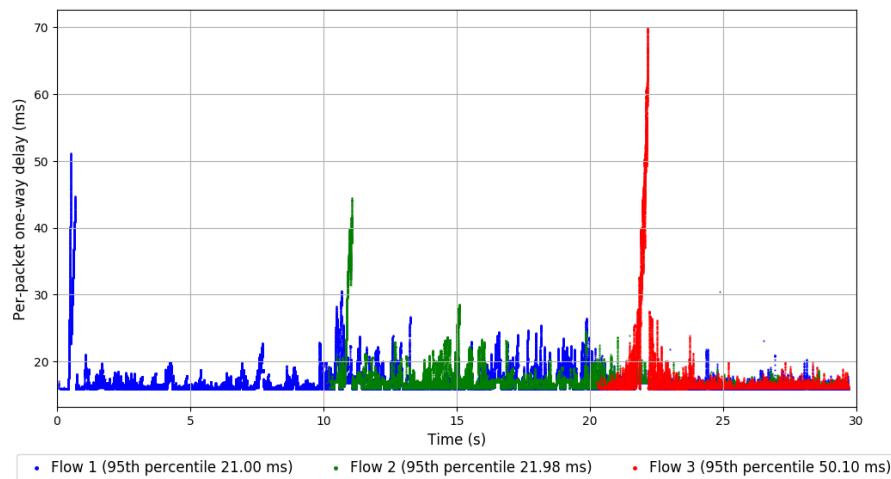
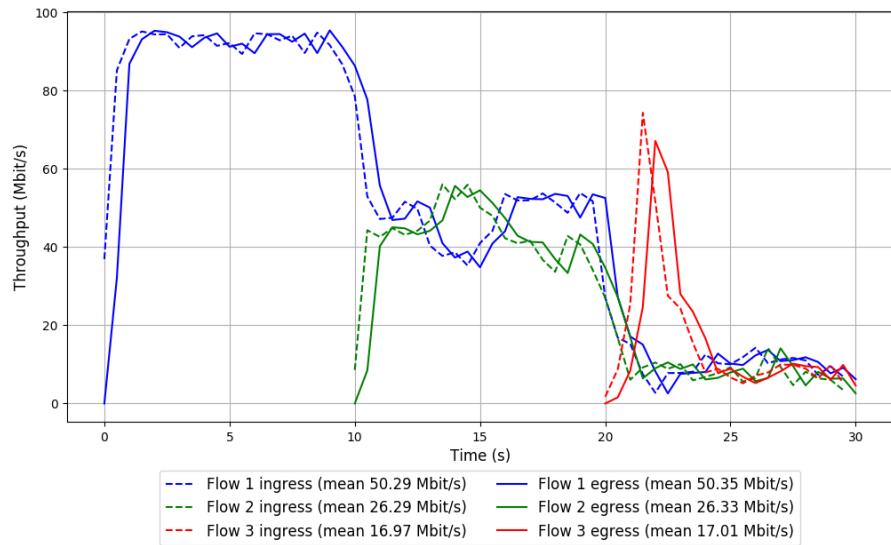


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 14:52:43
End at: 2019-12-11 14:53:13
Local clock offset: -0.137 ms
Remote clock offset: -9.15 ms

# Below is generated by plot.py at 2019-12-11 17:34:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.13 Mbit/s
95th percentile per-packet one-way delay: 22.412 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 21.002 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 21.983 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 50.104 ms
Loss rate: 0.33%
```

Run 1: Report of Muses_DecisionTree — Data Link

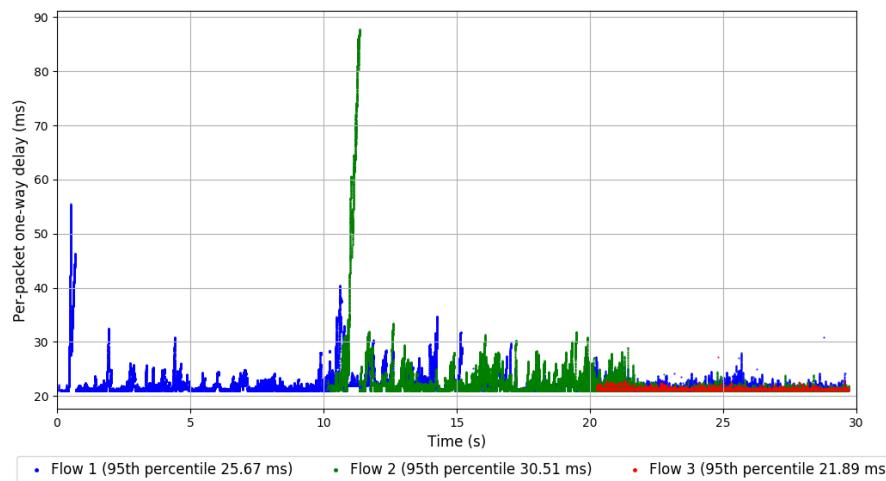
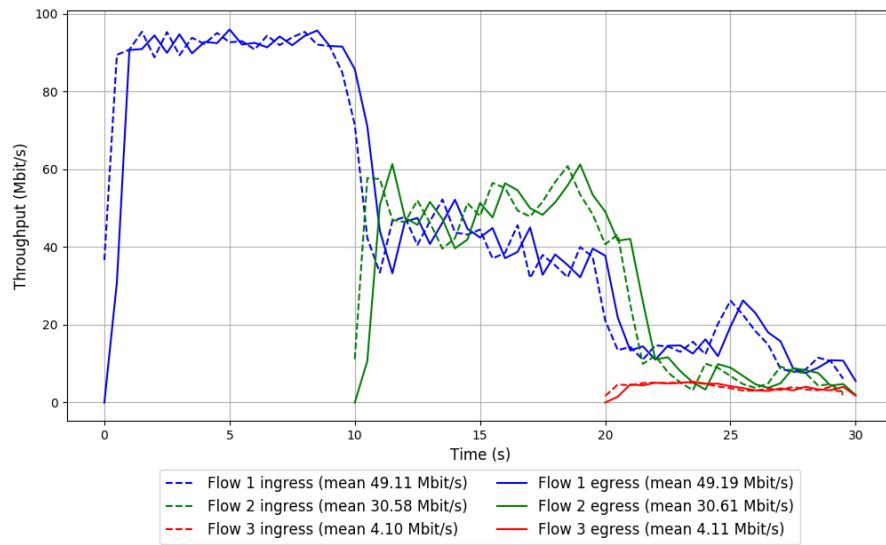


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 15:23:23
End at: 2019-12-11 15:23:53
Local clock offset: 4.84 ms
Remote clock offset: -8.836 ms

# Below is generated by plot.py at 2019-12-11 17:34:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 27.201 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 25.668 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 30.507 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 21.891 ms
Loss rate: 0.51%
```

Run 2: Report of Muses_DecisionTree — Data Link

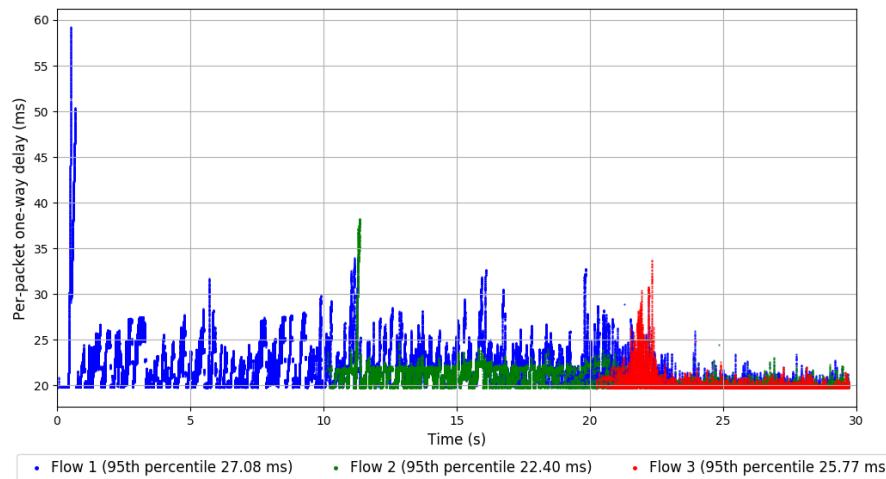
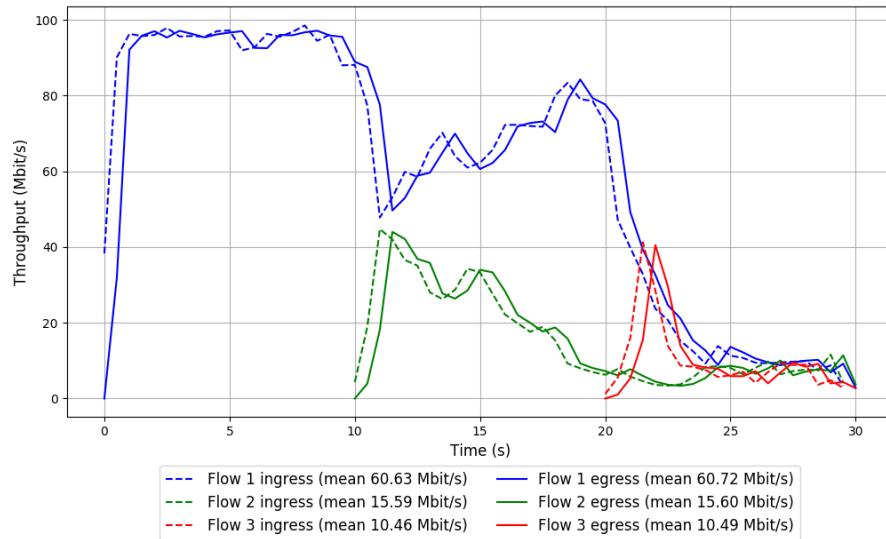


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 15:53:59
End at: 2019-12-11 15:54:29
Local clock offset: 6.089 ms
Remote clock offset: -7.358 ms

# Below is generated by plot.py at 2019-12-11 17:34:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 26.904 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 27.077 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 22.397 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 25.767 ms
Loss rate: 0.29%
```

Run 3: Report of Muses_DecisionTree — Data Link

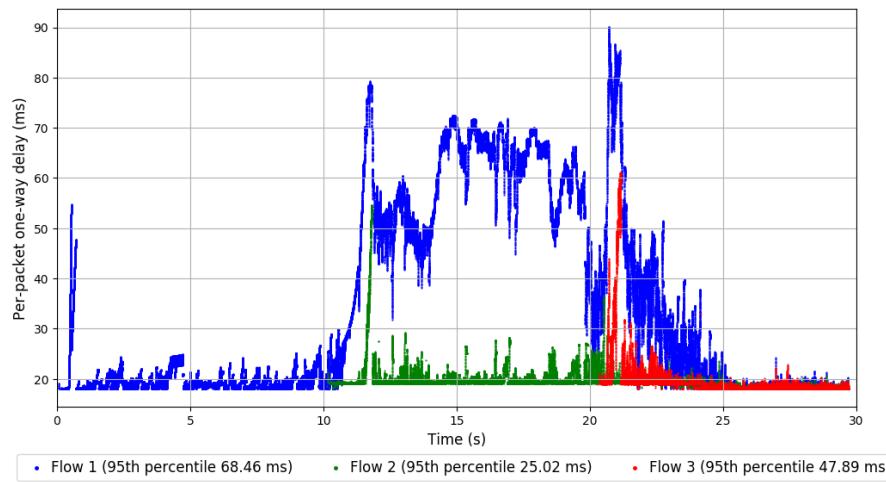
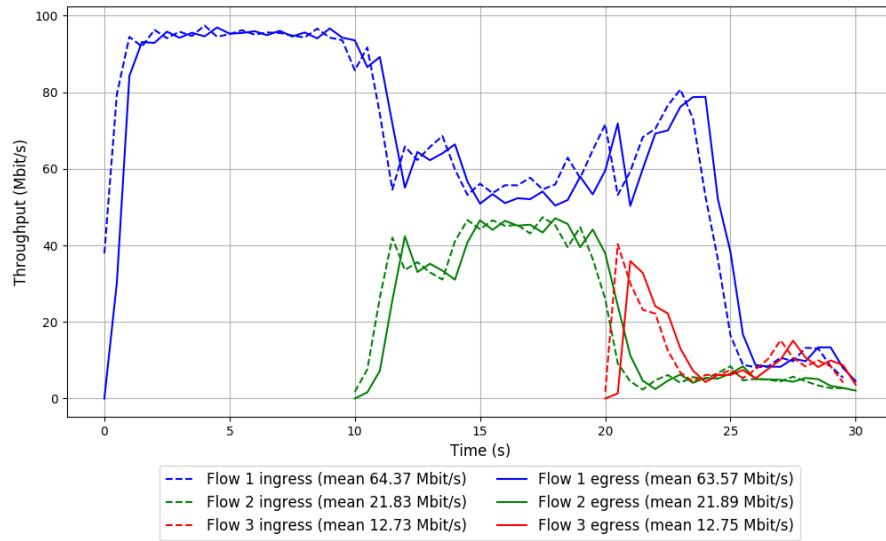


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 16:24:30
End at: 2019-12-11 16:25:00
Local clock offset: 3.541 ms
Remote clock offset: -7.198 ms

# Below is generated by plot.py at 2019-12-11 17:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 68.462 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 25.018 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 47.887 ms
Loss rate: 0.33%
```

Run 4: Report of Muses_DecisionTree — Data Link

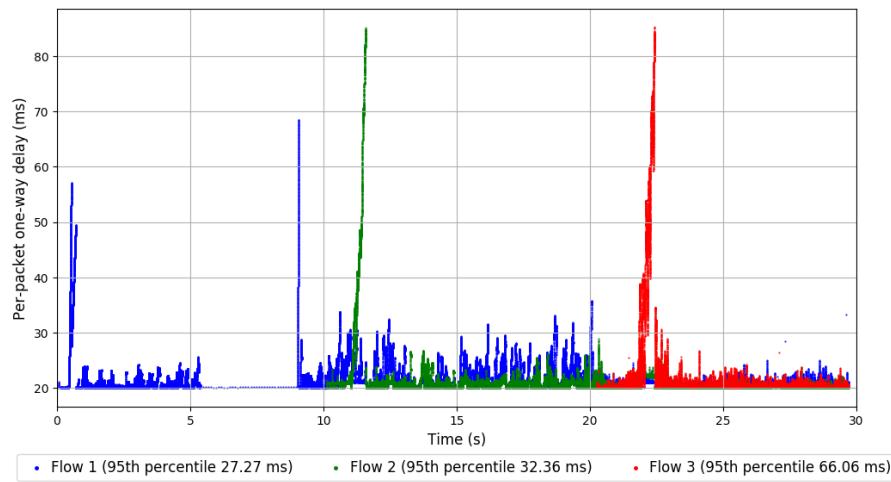
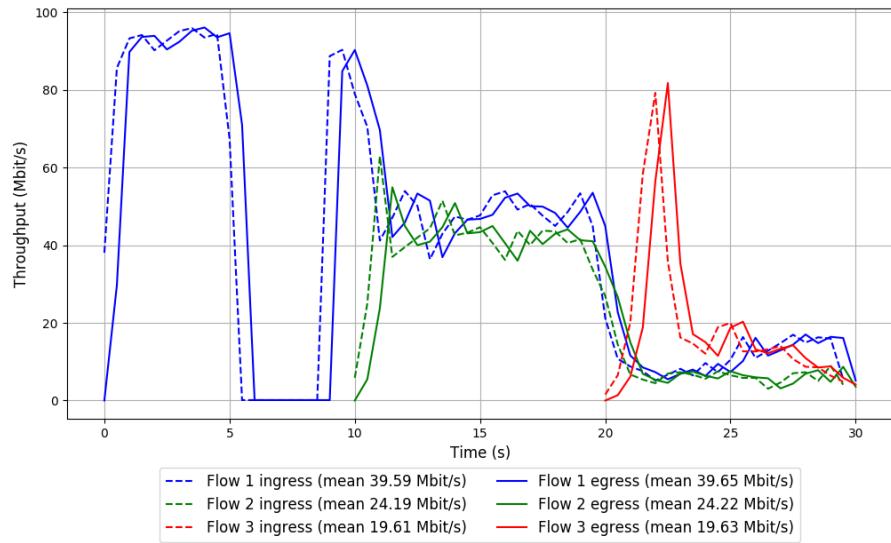


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 16:55:39
End at: 2019-12-11 16:56:09
Local clock offset: 4.544 ms
Remote clock offset: -4.826 ms

# Below is generated by plot.py at 2019-12-11 17:35:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.94 Mbit/s
95th percentile per-packet one-way delay: 31.339 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 27.266 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 32.358 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 66.055 ms
Loss rate: 0.37%
```

Run 5: Report of Muses_DecisionTree — Data Link

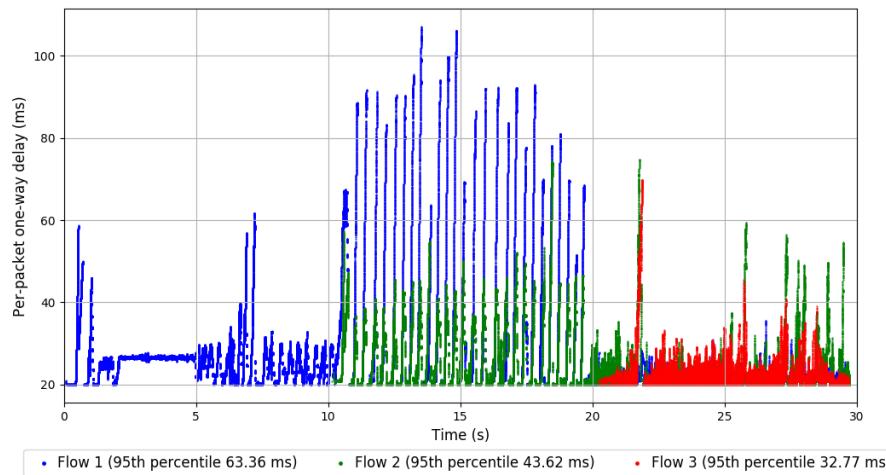
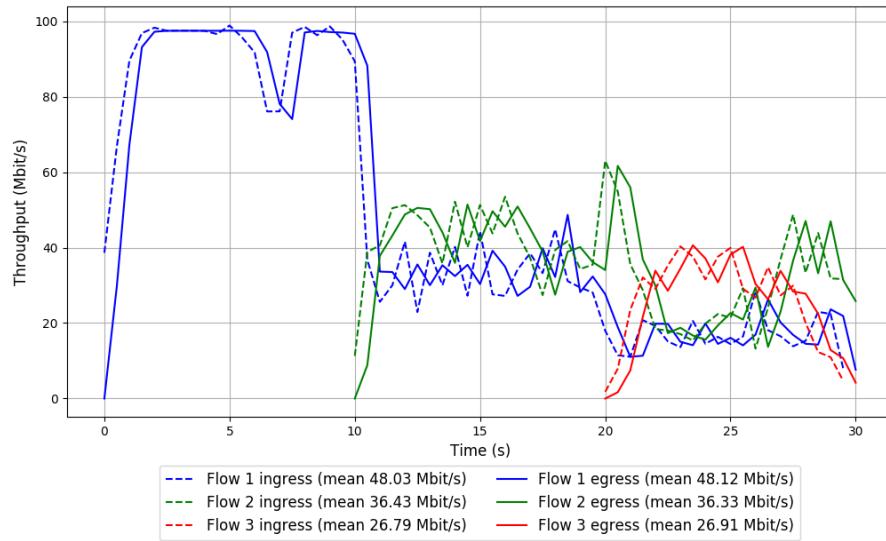


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 15:19:33
End at: 2019-12-11 15:20:03
Local clock offset: 3.447 ms
Remote clock offset: -9.178 ms

# Below is generated by plot.py at 2019-12-11 17:35:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 63.360 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 43.615 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 32.770 ms
Loss rate: 0.21%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

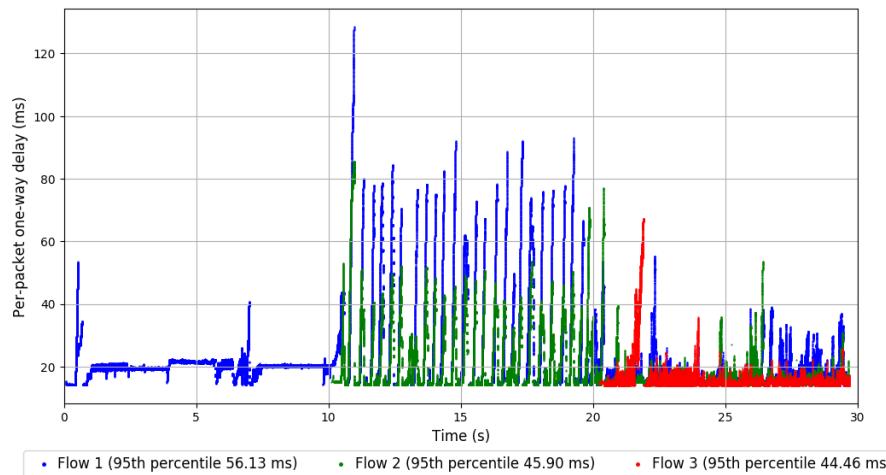
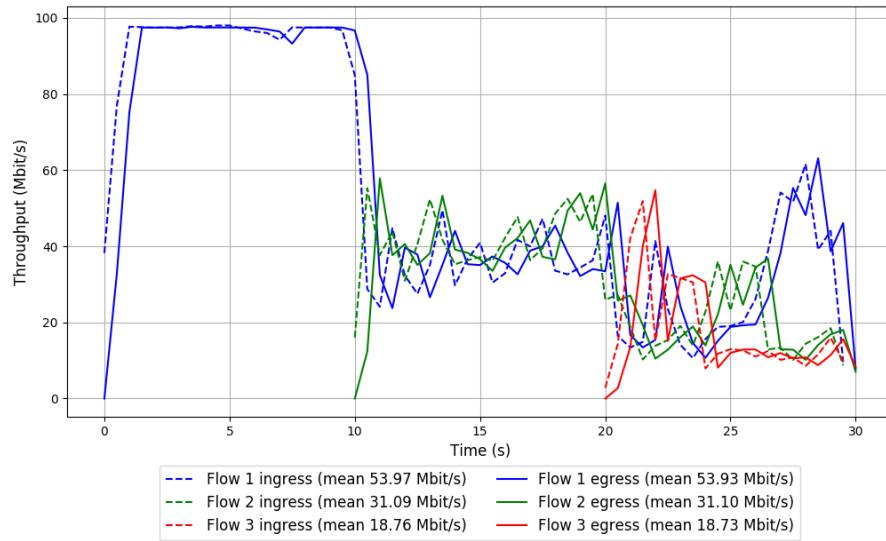


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 15:50:21
End at: 2019-12-11 15:50:51
Local clock offset: 1.663 ms
Remote clock offset: -6.313 ms

# Below is generated by plot.py at 2019-12-11 17:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 51.142 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 56.130 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 45.904 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 44.459 ms
Loss rate: 0.63%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

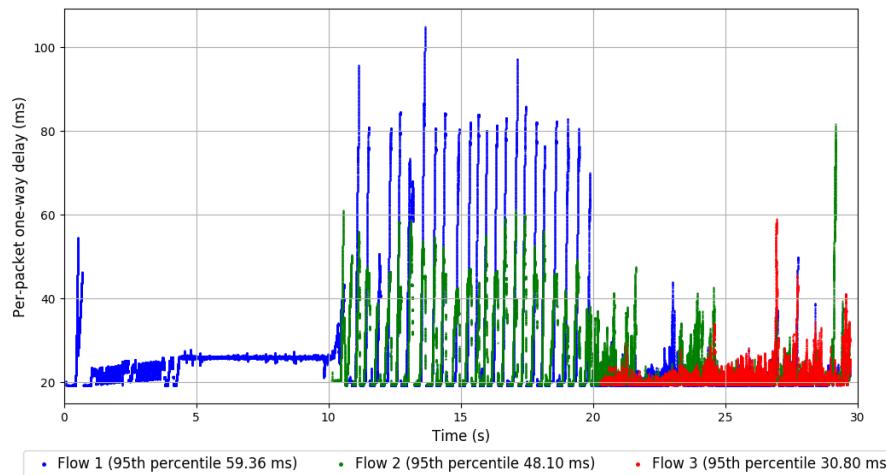
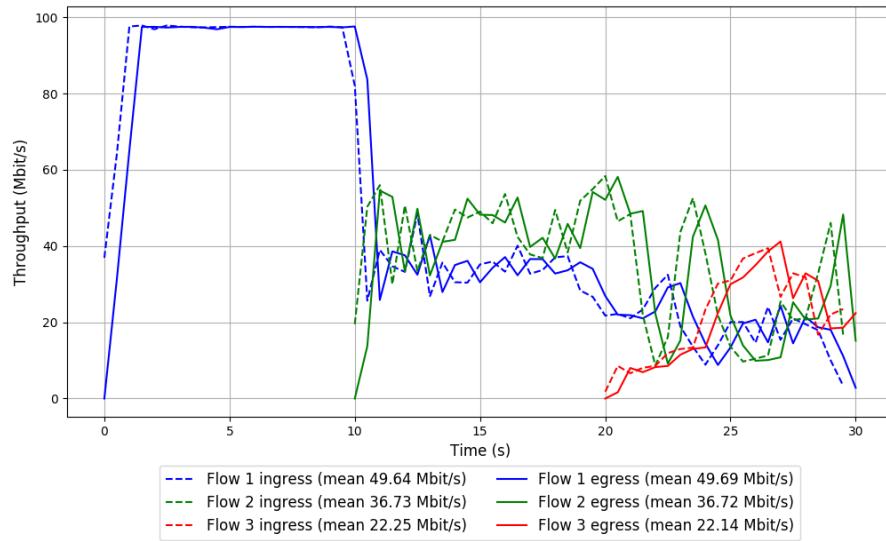


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 16:20:49
End at: 2019-12-11 16:21:19
Local clock offset: 6.493 ms
Remote clock offset: -5.54 ms

# Below is generated by plot.py at 2019-12-11 17:35:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 50.090 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 59.356 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 48.099 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 30.797 ms
Loss rate: 1.06%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

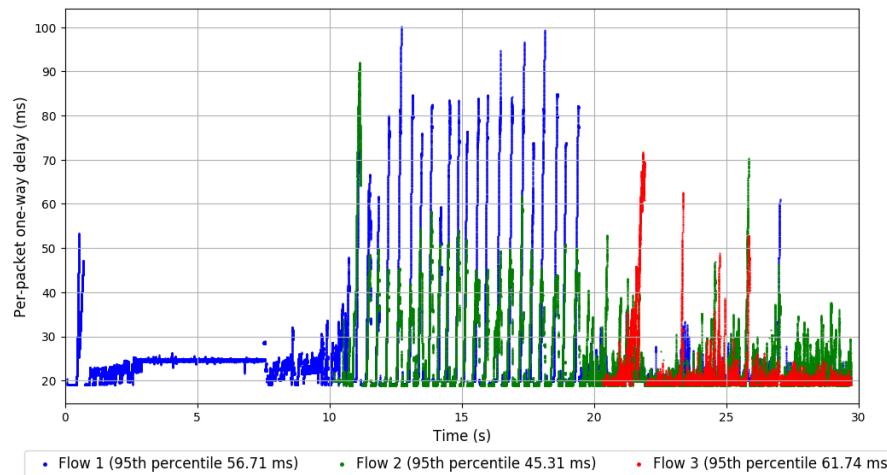
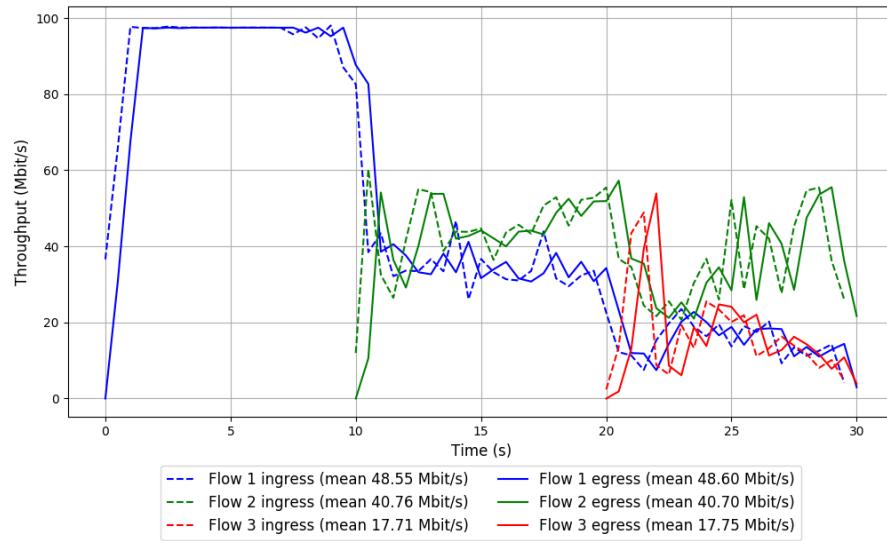


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 16:52:02
End at: 2019-12-11 16:52:32
Local clock offset: 4.298 ms
Remote clock offset: -4.343 ms

# Below is generated by plot.py at 2019-12-11 17:35:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 50.939 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 45.311 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 61.736 ms
Loss rate: 0.32%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

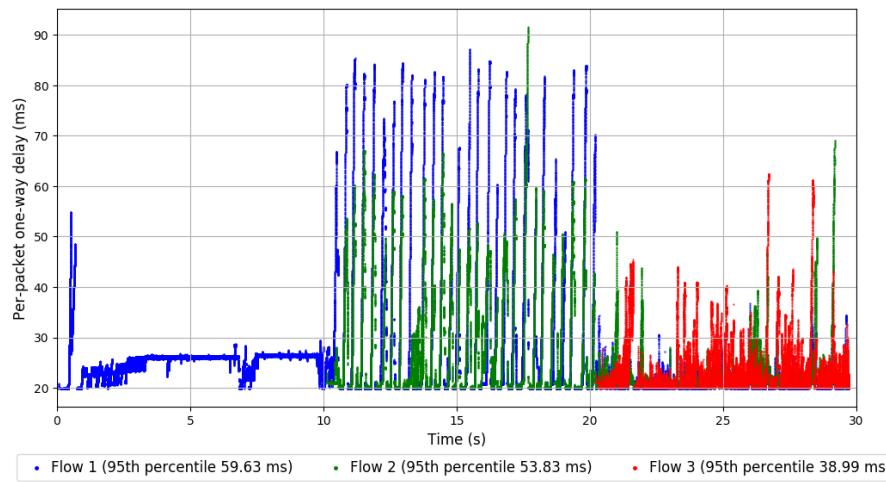
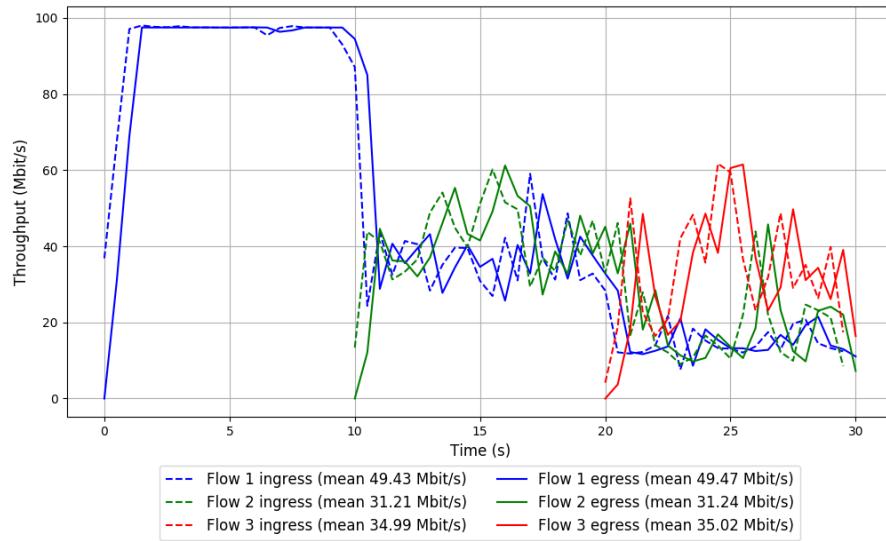


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 17:22:38
End at: 2019-12-11 17:23:08
Local clock offset: 3.559 ms
Remote clock offset: -5.542 ms

# Below is generated by plot.py at 2019-12-11 17:35:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 54.211 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 59.628 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 38.987 ms
Loss rate: 0.45%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

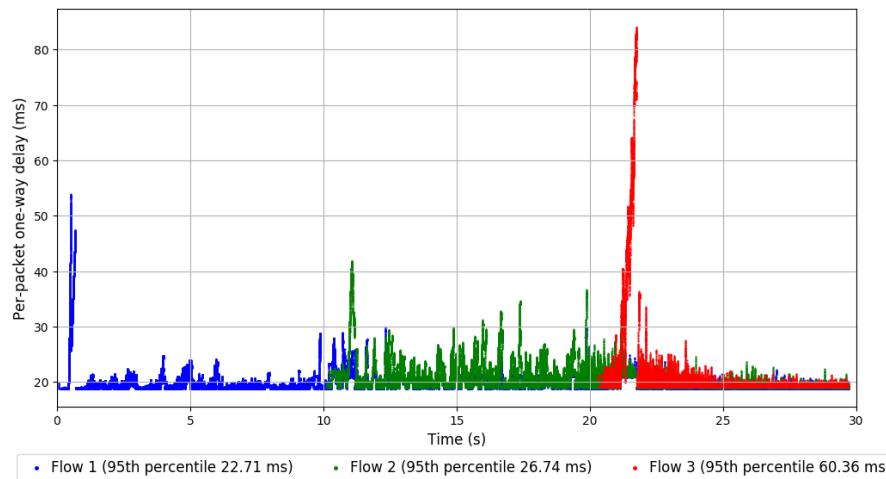
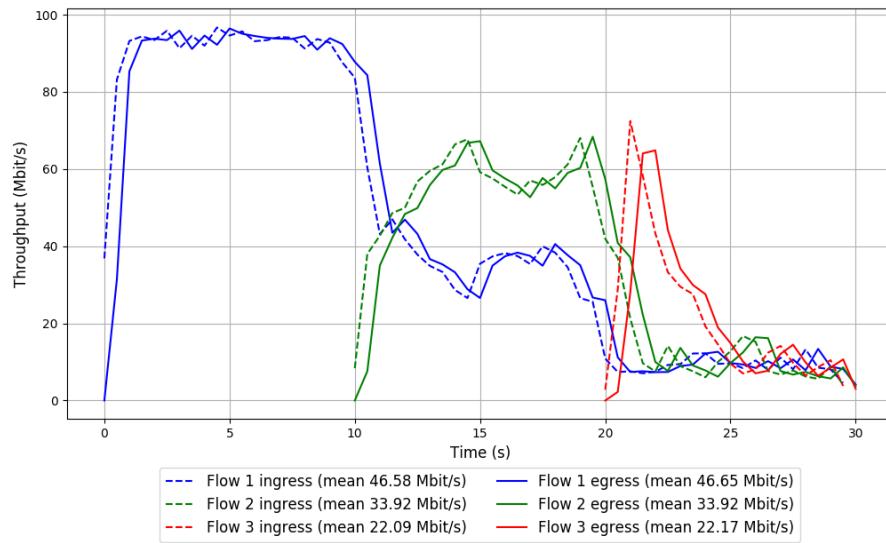


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 14:50:23
End at: 2019-12-11 14:50:53
Local clock offset: 2.398 ms
Remote clock offset: -9.732 ms

# Below is generated by plot.py at 2019-12-11 17:35:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.12 Mbit/s
95th percentile per-packet one-way delay: 26.401 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 22.709 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 26.737 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 22.17 Mbit/s
95th percentile per-packet one-way delay: 60.356 ms
Loss rate: 0.31%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

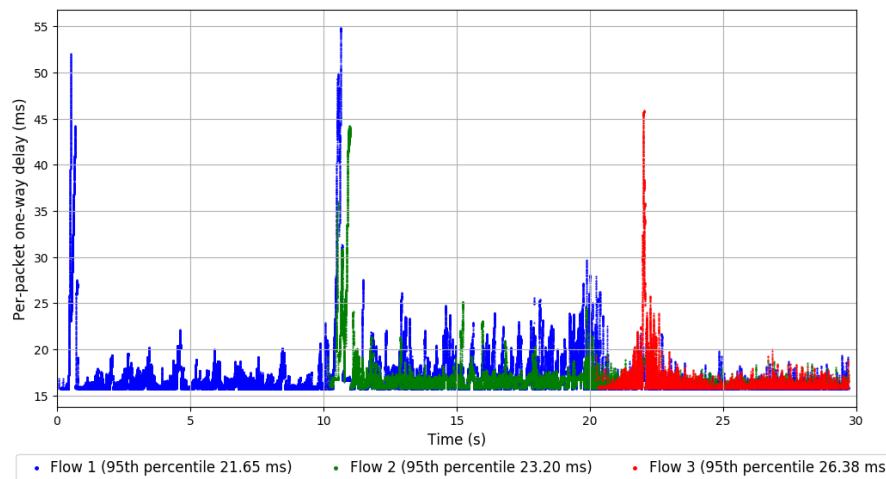
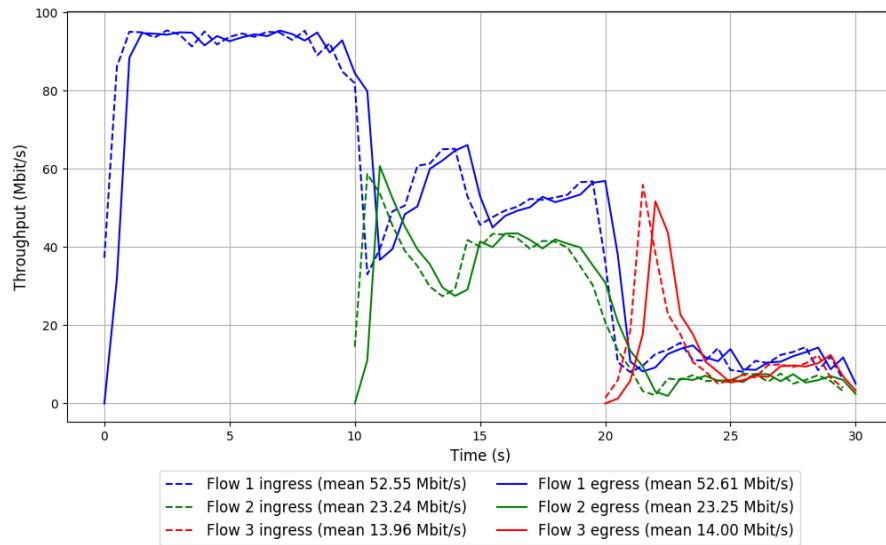


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 15:20:51
End at: 2019-12-11 15:21:21
Local clock offset: -0.266 ms
Remote clock offset: -8.662 ms

# Below is generated by plot.py at 2019-12-11 17:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.44 Mbit/s
95th percentile per-packet one-way delay: 22.032 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 21.653 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 23.197 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 26.377 ms
Loss rate: 0.29%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

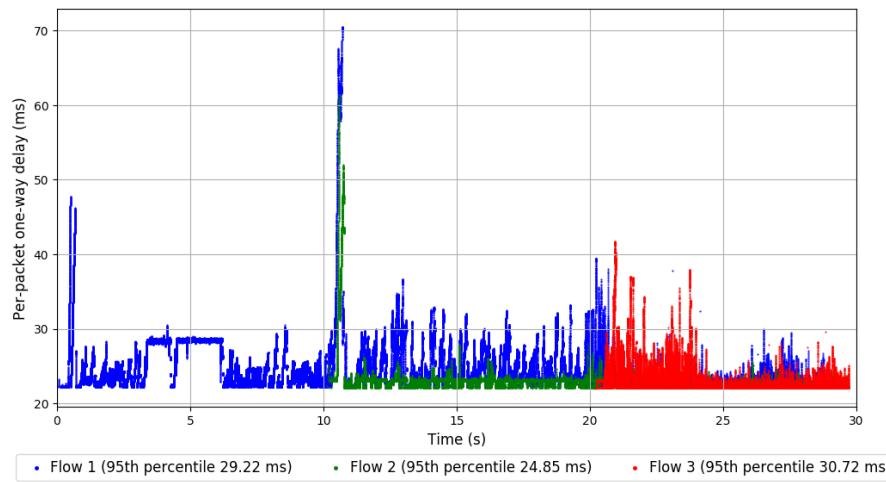
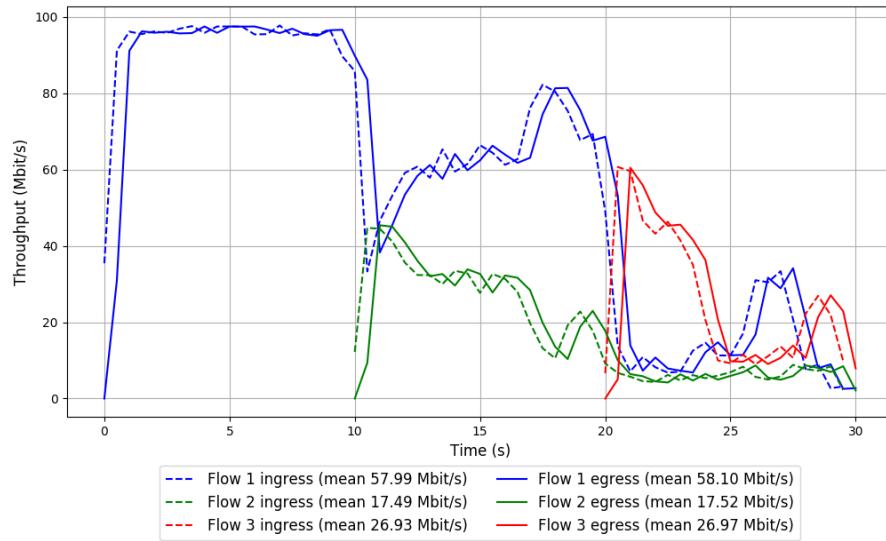


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 15:51:36
End at: 2019-12-11 15:52:06
Local clock offset: 5.24 ms
Remote clock offset: -10.698 ms

# Below is generated by plot.py at 2019-12-11 17:36:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 29.222 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 29.220 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 24.852 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 30.717 ms
Loss rate: 0.43%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

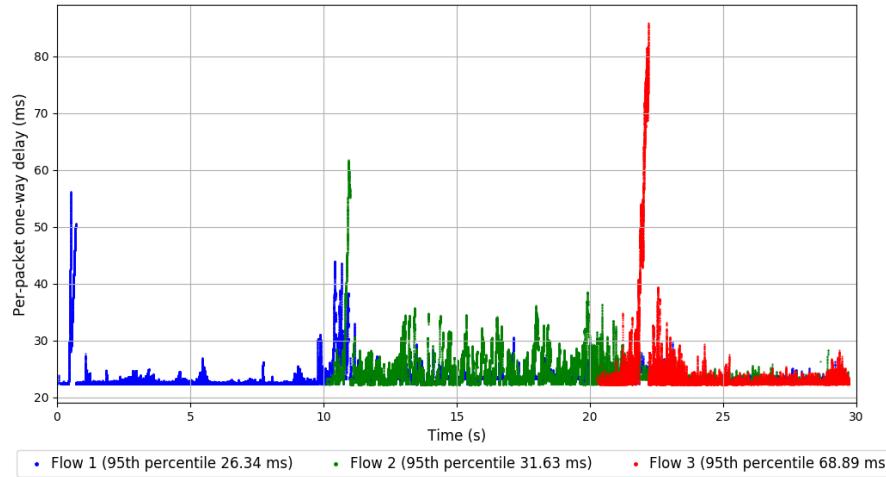
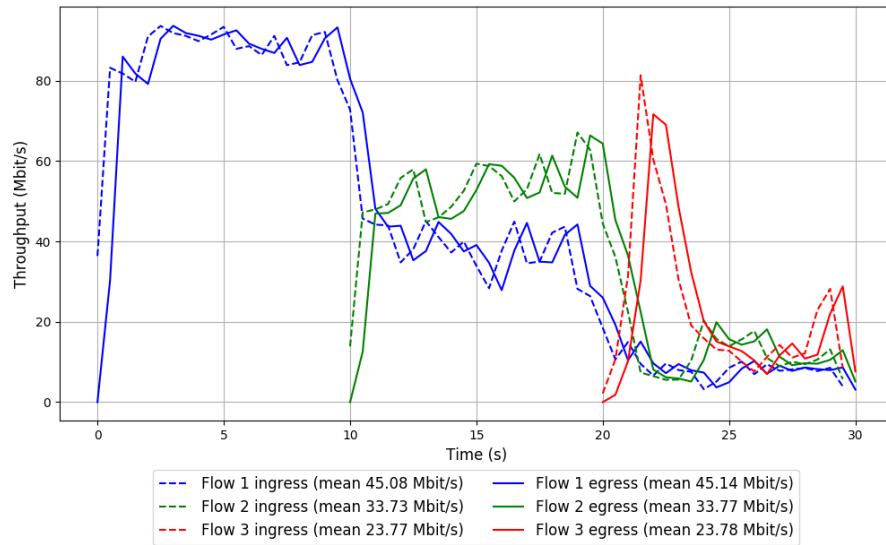


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 16:22:06
End at: 2019-12-11 16:22:36
Local clock offset: 6.181 ms
Remote clock offset: -8.851 ms

# Below is generated by plot.py at 2019-12-11 17:36:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 26.336 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 31.630 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 68.886 ms
Loss rate: 0.49%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

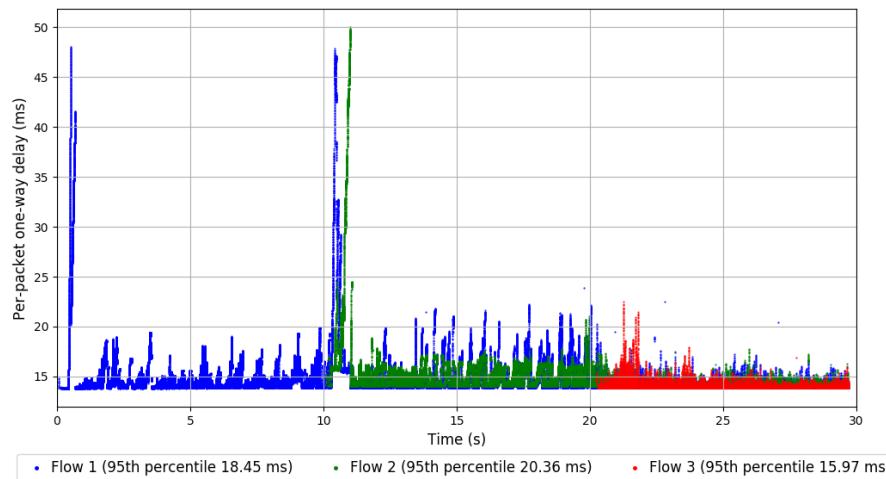
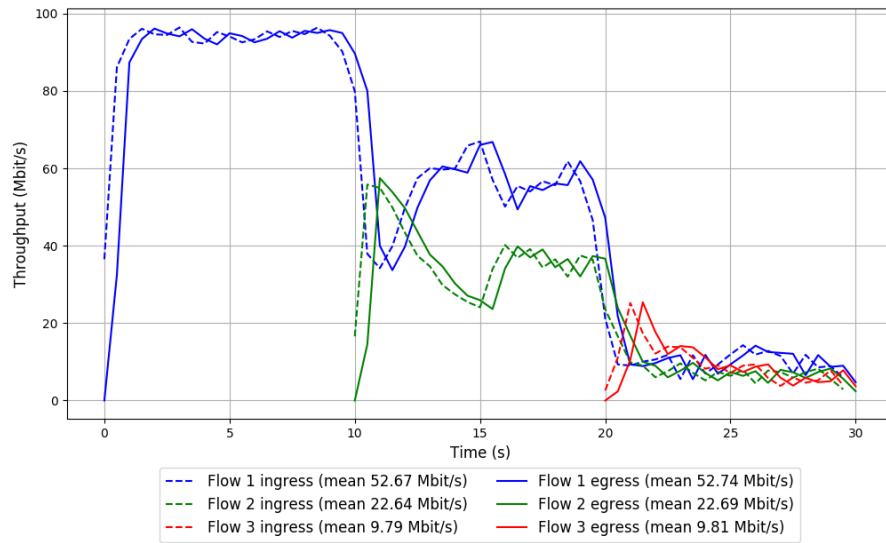


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 16:53:17
End at: 2019-12-11 16:53:47
Local clock offset: 0.058 ms
Remote clock offset: -3.341 ms

# Below is generated by plot.py at 2019-12-11 17:36:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.89 Mbit/s
95th percentile per-packet one-way delay: 18.491 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 18.455 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 20.363 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 15.975 ms
Loss rate: 0.26%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

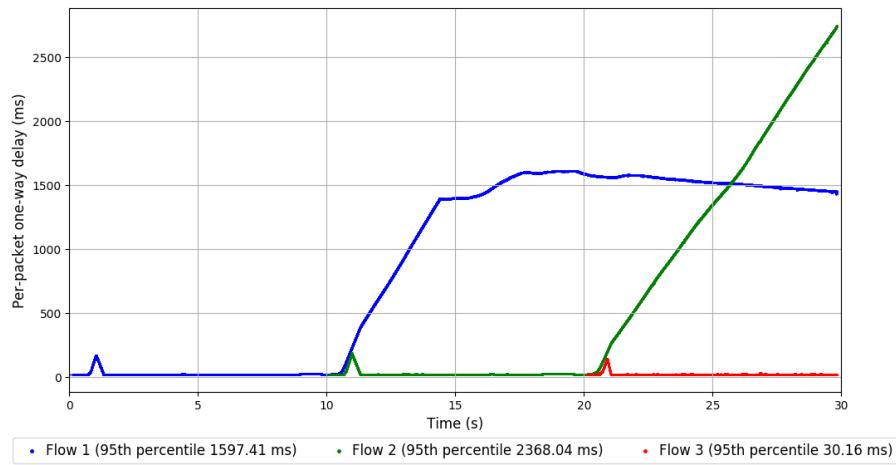
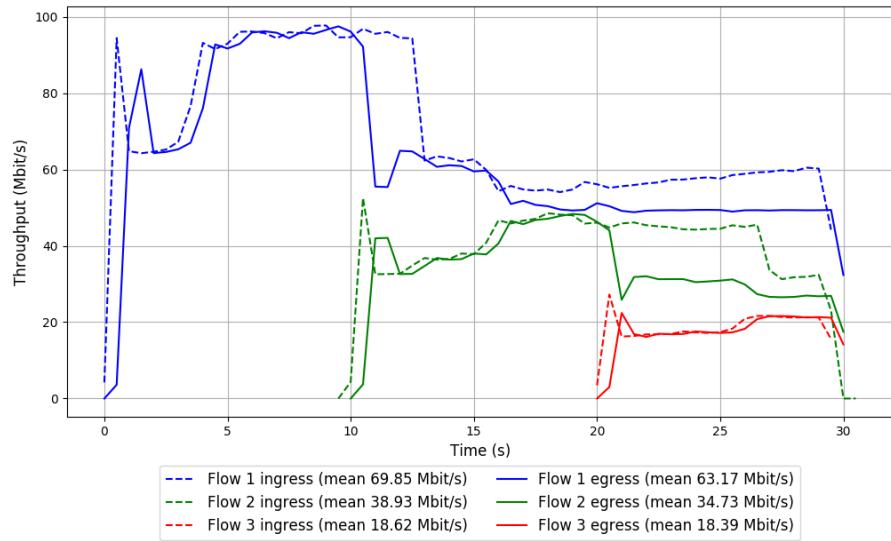


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-12-11 15:16:54
End at: 2019-12-11 15:17:24
Local clock offset: 2.19 ms
Remote clock offset: -8.826 ms

# Below is generated by plot.py at 2019-12-11 17:36:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 1609.780 ms
Loss rate: 10.47%
-- Flow 1:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 1597.406 ms
Loss rate: 9.72%
-- Flow 2:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 2368.036 ms
Loss rate: 14.42%
-- Flow 3:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 30.157 ms
Loss rate: 1.72%
```

Run 1: Report of PCC-Allegro — Data Link

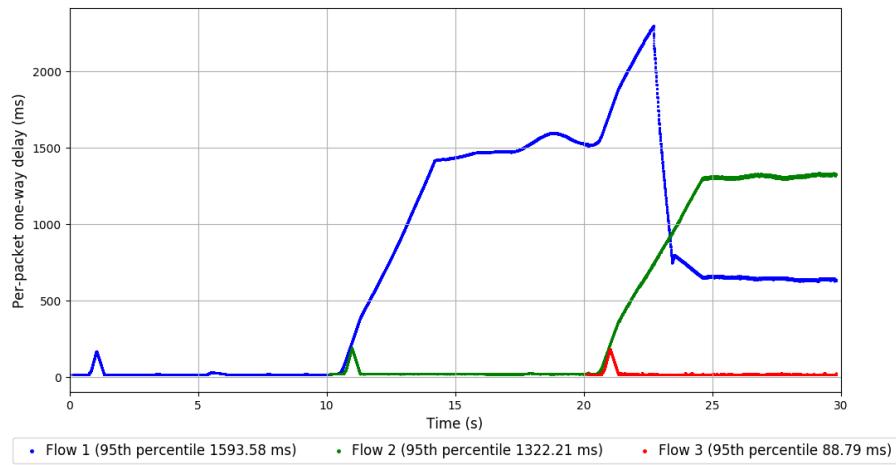
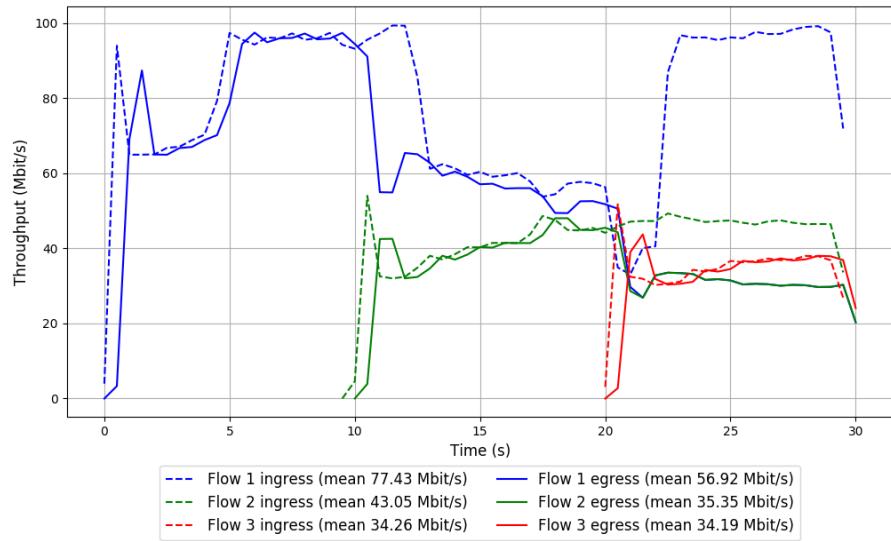


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-12-11 15:47:47
End at: 2019-12-11 15:48:17
Local clock offset: 4.64 ms
Remote clock offset: -9.022 ms

# Below is generated by plot.py at 2019-12-11 17:36:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 1558.188 ms
Loss rate: 22.05%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 1593.583 ms
Loss rate: 26.62%
-- Flow 2:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 1322.214 ms
Loss rate: 18.11%
-- Flow 3:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 88.788 ms
Loss rate: 0.70%
```

Run 2: Report of PCC-Allegro — Data Link

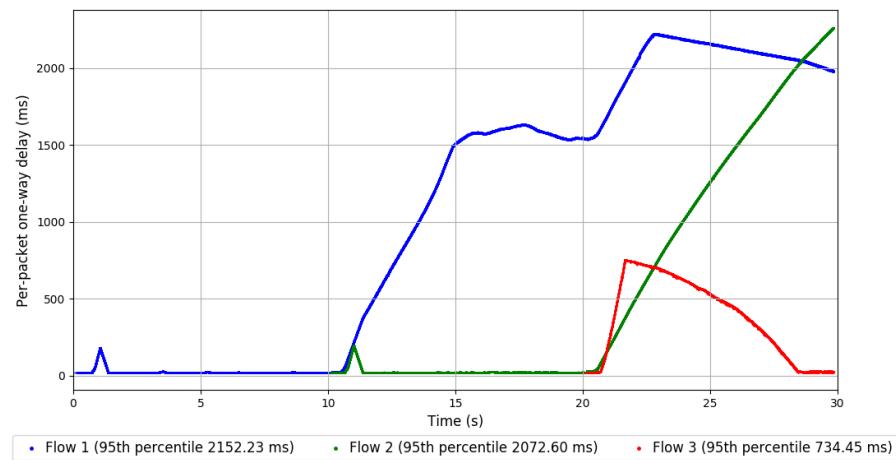
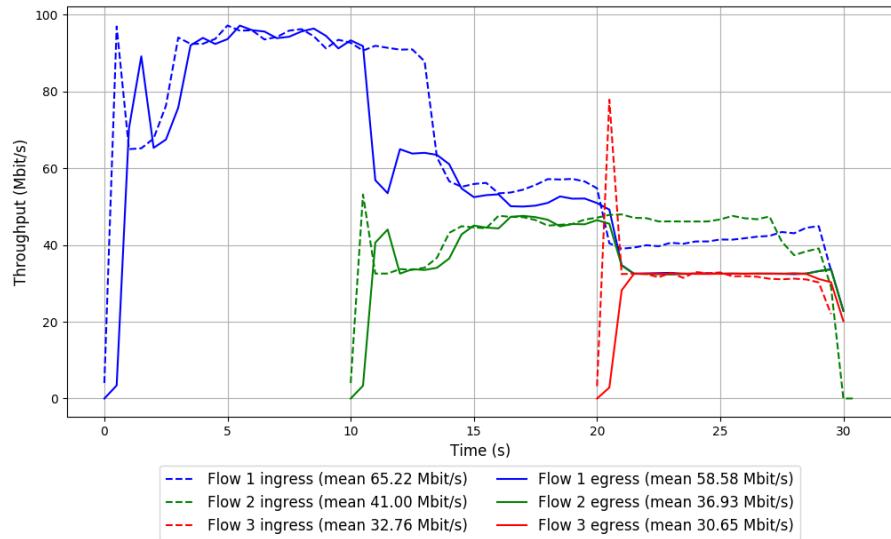


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-12-11 16:18:11
End at: 2019-12-11 16:18:41
Local clock offset: 5.905 ms
Remote clock offset: -7.147 ms

# Below is generated by plot.py at 2019-12-11 17:36:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 2129.870 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 2152.229 ms
Loss rate: 10.33%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 2072.602 ms
Loss rate: 13.73%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 734.450 ms
Loss rate: 6.92%
```

Run 3: Report of PCC-Allegro — Data Link

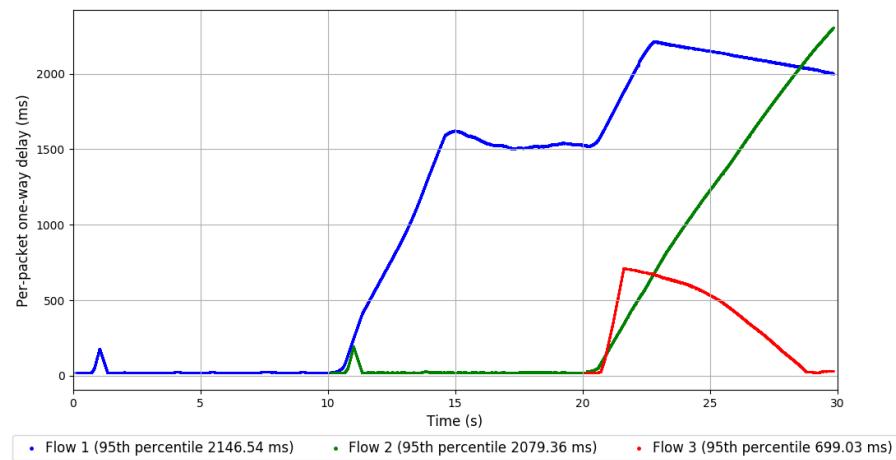
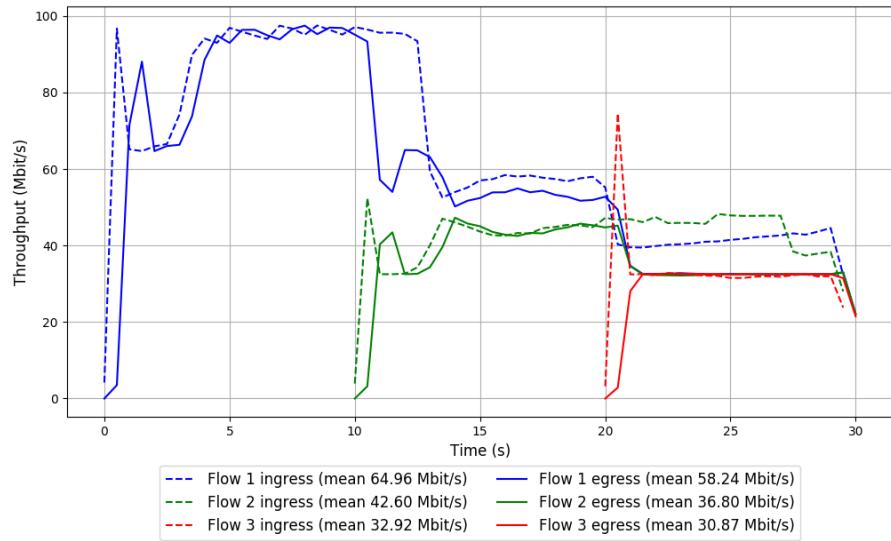


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-12-11 16:49:24
End at: 2019-12-11 16:49:54
Local clock offset: 4.646 ms
Remote clock offset: -5.92 ms

# Below is generated by plot.py at 2019-12-11 17:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 2128.391 ms
Loss rate: 11.01%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 2146.544 ms
Loss rate: 10.49%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 2079.364 ms
Loss rate: 13.83%
-- Flow 3:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 699.033 ms
Loss rate: 6.72%
```

Run 4: Report of PCC-Allegro — Data Link

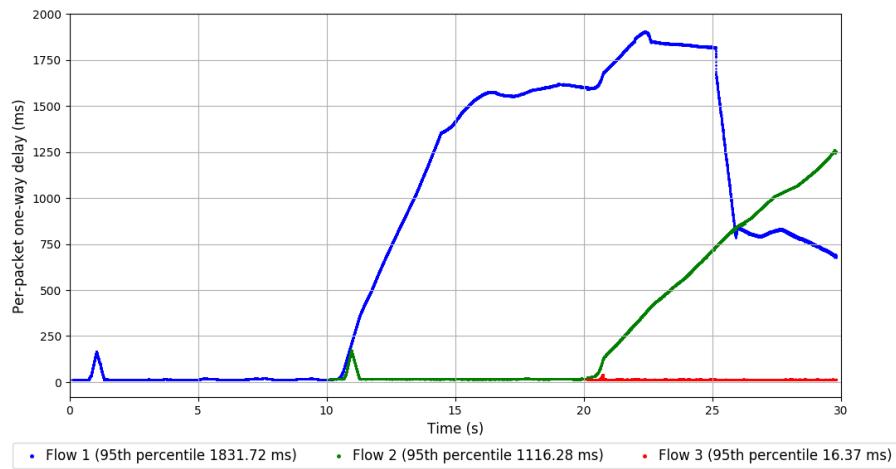
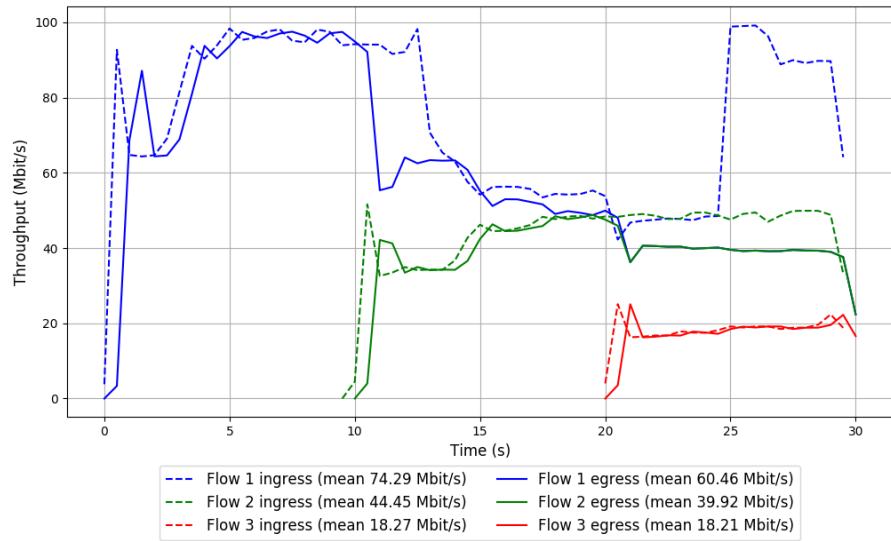


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-12-11 17:20:00
End at: 2019-12-11 17:20:30
Local clock offset: -0.181 ms
Remote clock offset: -3.627 ms

# Below is generated by plot.py at 2019-12-11 17:37:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 1803.541 ms
Loss rate: 15.54%
-- Flow 1:
Average throughput: 60.46 Mbit/s
95th percentile per-packet one-way delay: 1831.716 ms
Loss rate: 18.77%
-- Flow 2:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 1116.281 ms
Loss rate: 10.43%
-- Flow 3:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 16.371 ms
Loss rate: 0.82%
```

Run 5: Report of PCC-Allegro — Data Link

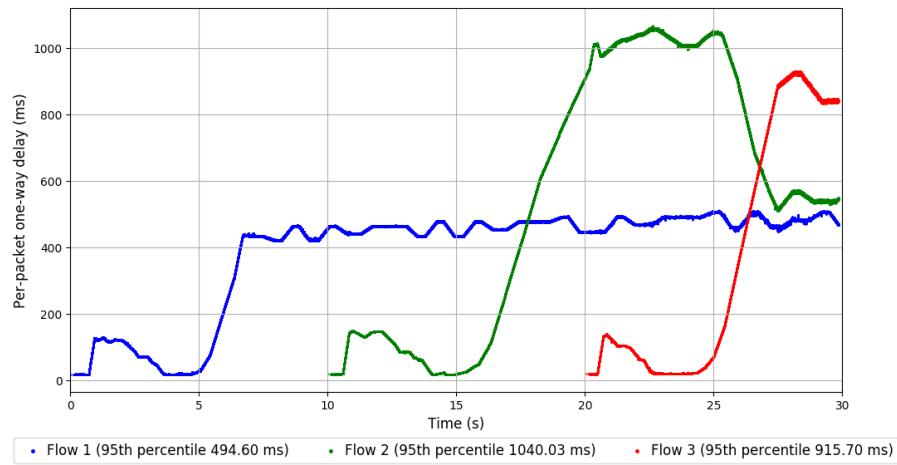
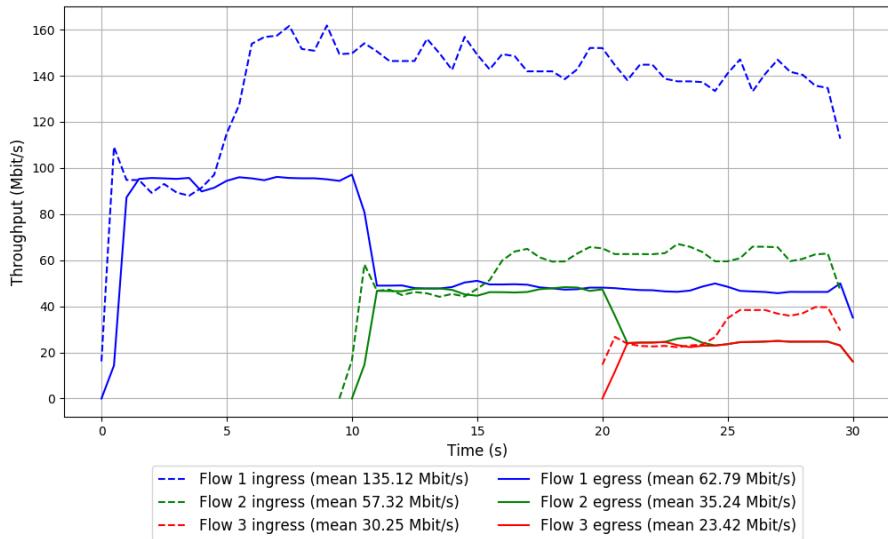


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-12-11 14:57:49
End at: 2019-12-11 14:58:19
Local clock offset: -3.912 ms
Remote clock offset: -14.751 ms

# Below is generated by plot.py at 2019-12-11 17:38:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 924.940 ms
Loss rate: 48.84%
-- Flow 1:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 494.602 ms
Loss rate: 53.62%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 1040.034 ms
Loss rate: 38.69%
-- Flow 3:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 915.702 ms
Loss rate: 22.99%
```

Run 1: Report of PCC-Expr — Data Link

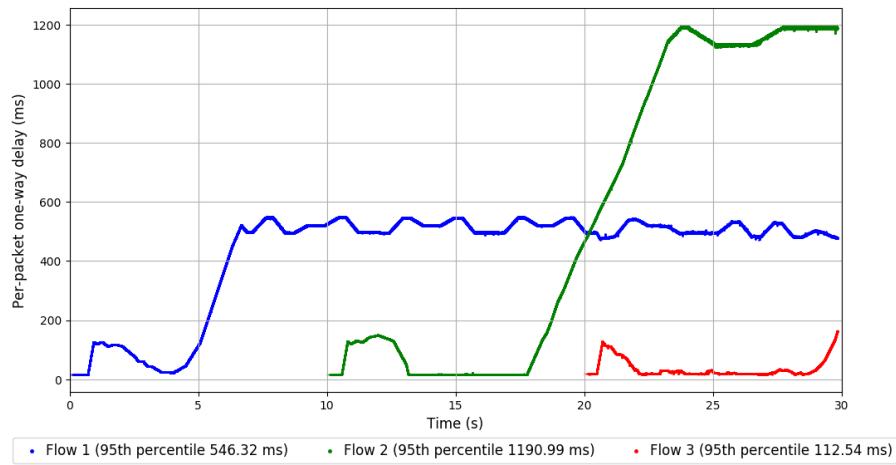
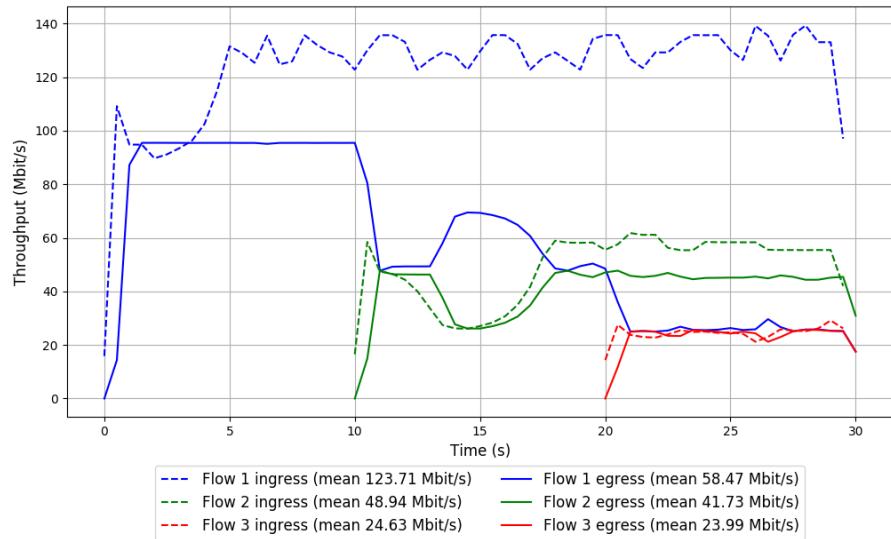


Run 2: Statistics of PCC-Expr

```
Start at: 2019-12-11 15:28:28
End at: 2019-12-11 15:28:58
Local clock offset: 1.124 ms
Remote clock offset: -6.999 ms

# Below is generated by plot.py at 2019-12-11 17:38:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 1176.968 ms
Loss rate: 42.88%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 546.320 ms
Loss rate: 52.84%
-- Flow 2:
Average throughput: 41.73 Mbit/s
95th percentile per-packet one-way delay: 1190.991 ms
Loss rate: 14.98%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 112.538 ms
Loss rate: 3.09%
```

Run 2: Report of PCC-Expr — Data Link

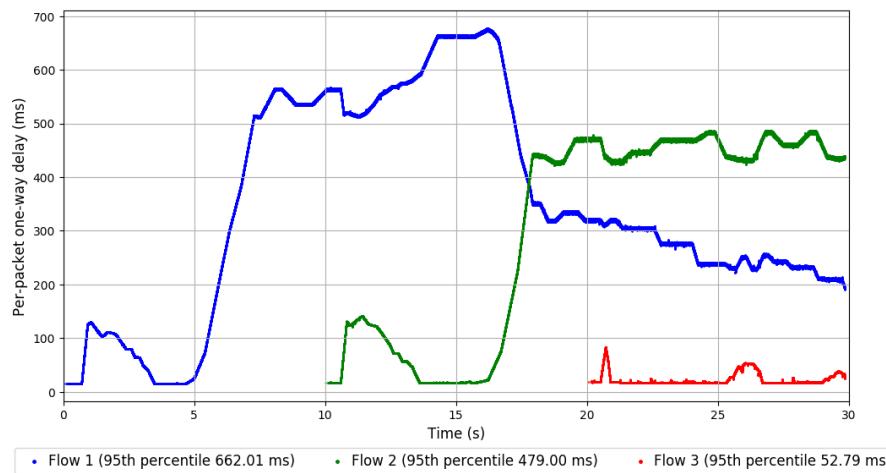
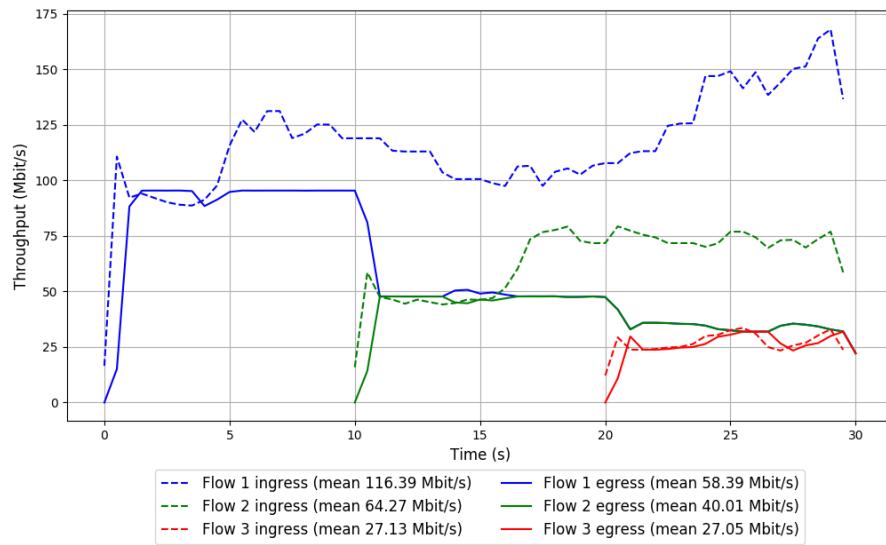


Run 3: Statistics of PCC-Expr

```
Start at: 2019-12-11 15:59:03
End at: 2019-12-11 15:59:33
Local clock offset: 0.832 ms
Remote clock offset: -8.337 ms

# Below is generated by plot.py at 2019-12-11 17:38:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 619.967 ms
Loss rate: 44.25%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 662.014 ms
Loss rate: 49.92%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 479.005 ms
Loss rate: 37.92%
-- Flow 3:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 52.794 ms
Loss rate: 0.79%
```

Run 3: Report of PCC-Expr — Data Link

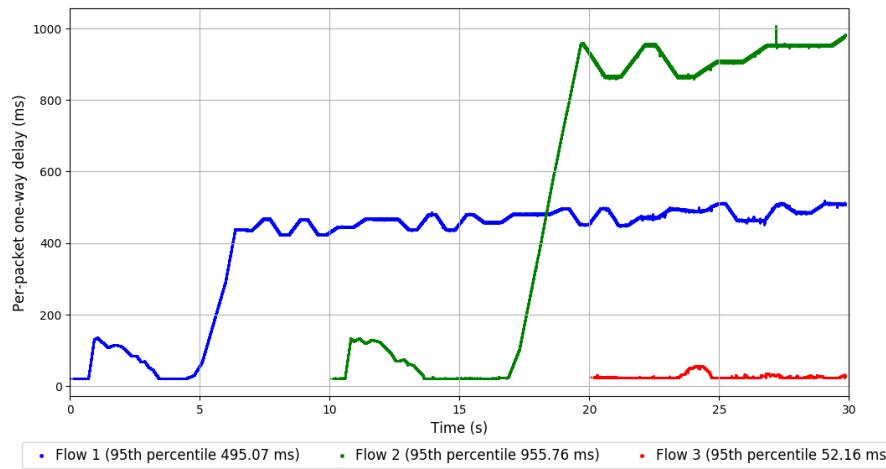
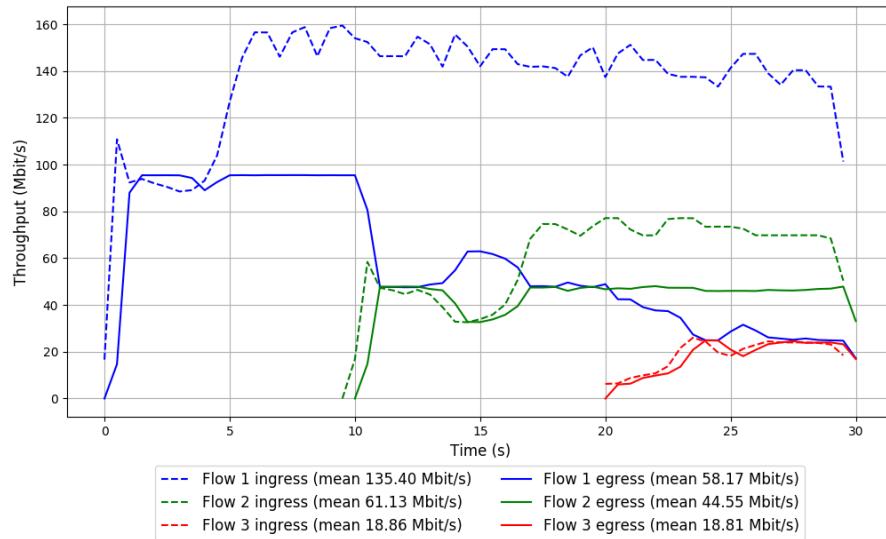


Run 4: Statistics of PCC-Expr

```
Start at: 2019-12-11 16:29:34
End at: 2019-12-11 16:30:04
Local clock offset: 6.152 ms
Remote clock offset: -6.796 ms

# Below is generated by plot.py at 2019-12-11 17:39:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 951.849 ms
Loss rate: 48.54%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 495.075 ms
Loss rate: 57.12%
-- Flow 2:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 955.762 ms
Loss rate: 27.31%
-- Flow 3:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 52.158 ms
Loss rate: 0.78%
```

Run 4: Report of PCC-Expr — Data Link

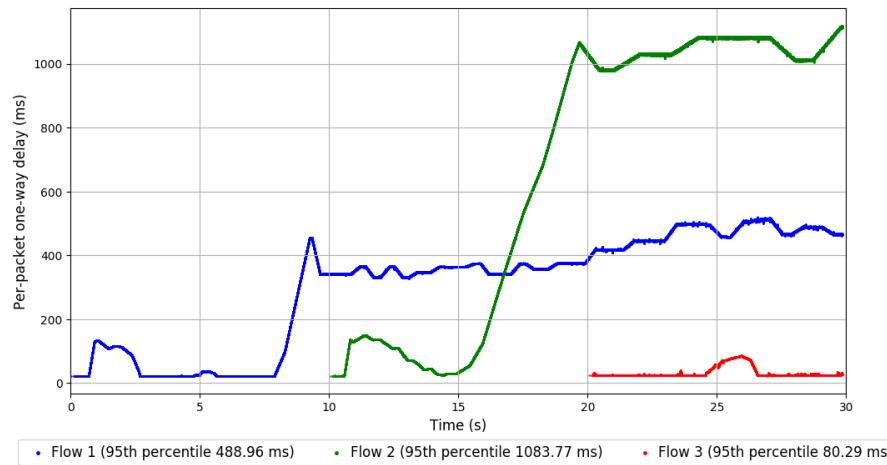
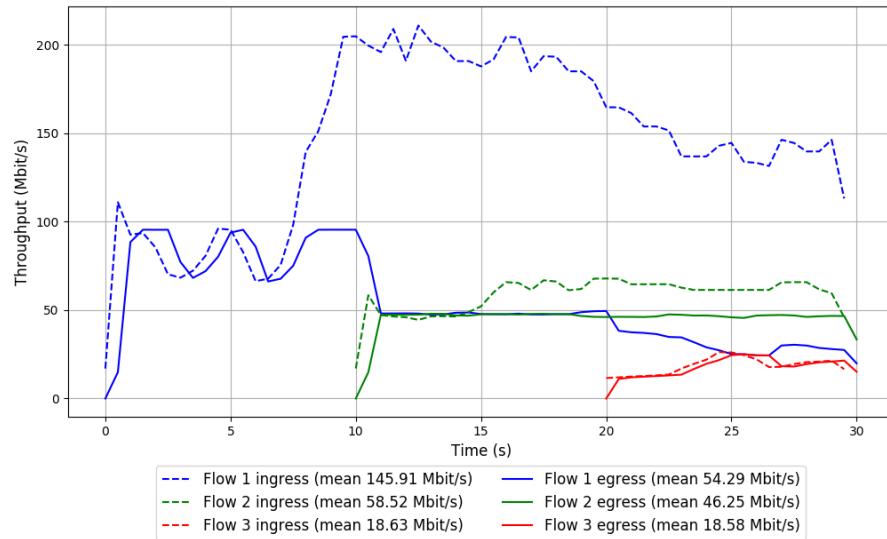


Run 5: Statistics of PCC-Expr

```
Start at: 2019-12-11 17:00:41
End at: 2019-12-11 17:01:11
Local clock offset: 4.757 ms
Remote clock offset: -5.868 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 1079.387 ms
Loss rate: 52.36%
-- Flow 1:
Average throughput: 54.29 Mbit/s
95th percentile per-packet one-way delay: 488.963 ms
Loss rate: 62.86%
-- Flow 2:
Average throughput: 46.25 Mbit/s
95th percentile per-packet one-way delay: 1083.772 ms
Loss rate: 21.19%
-- Flow 3:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 80.289 ms
Loss rate: 0.79%
```

Run 5: Report of PCC-Expr — Data Link

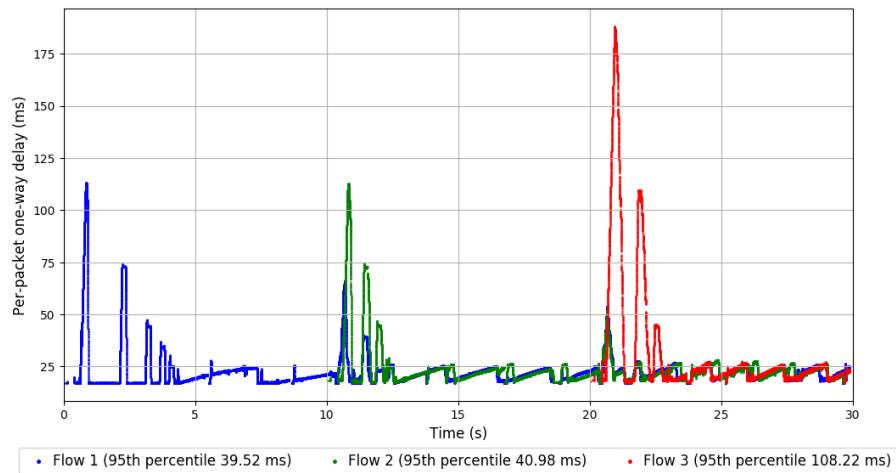
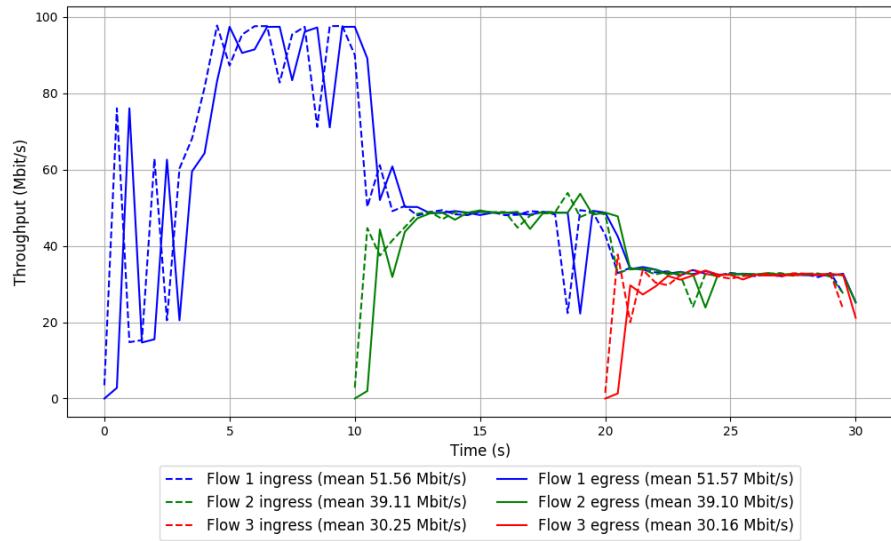


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-12-11 15:05:41
End at: 2019-12-11 15:06:11
Local clock offset: 2.379 ms
Remote clock offset: -7.431 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 44.307 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 39.518 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 40.981 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 108.218 ms
Loss rate: 0.78%
```

Run 1: Report of QUIC Cubic — Data Link

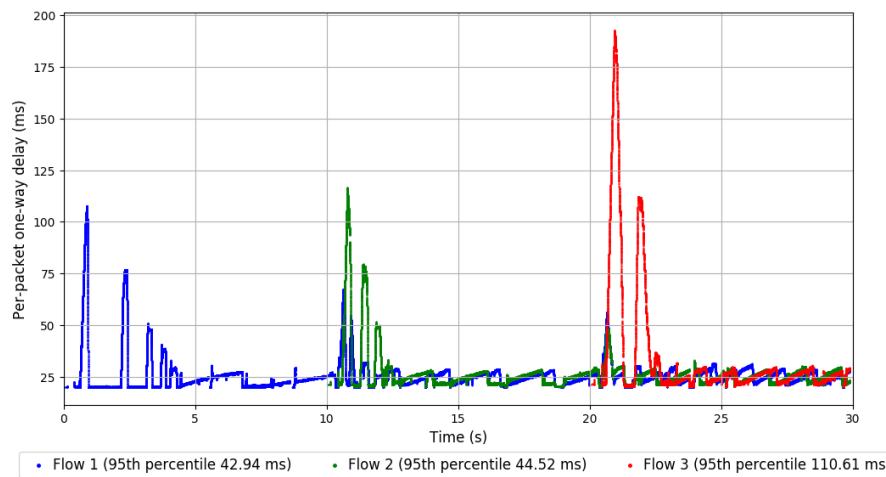
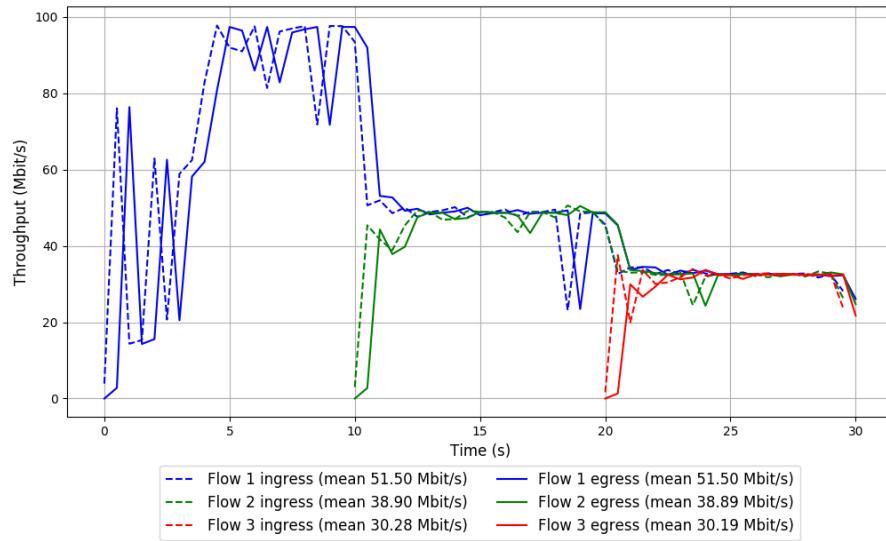


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-12-11 15:36:32
End at: 2019-12-11 15:37:02
Local clock offset: 4.529 ms
Remote clock offset: -8.122 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 47.872 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 44.515 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 110.607 ms
Loss rate: 0.80%
```

Run 2: Report of QUIC Cubic — Data Link

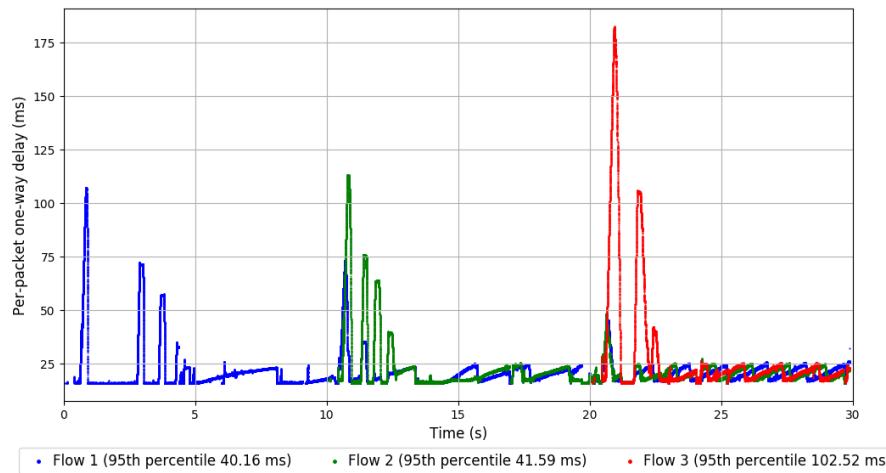
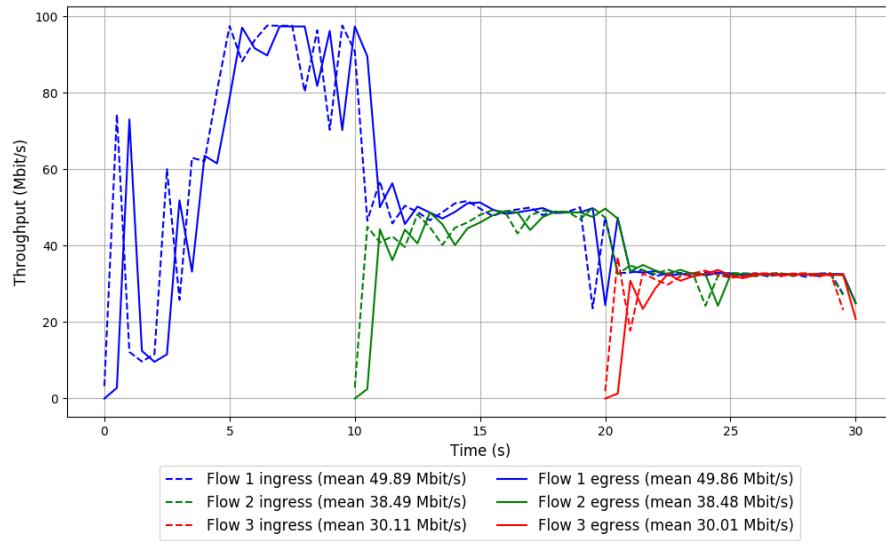


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-12-11 16:06:32
End at: 2019-12-11 16:07:02
Local clock offset: 1.244 ms
Remote clock offset: -8.587 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 46.439 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 40.165 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 41.586 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 102.522 ms
Loss rate: 0.84%
```

Run 3: Report of QUIC Cubic — Data Link

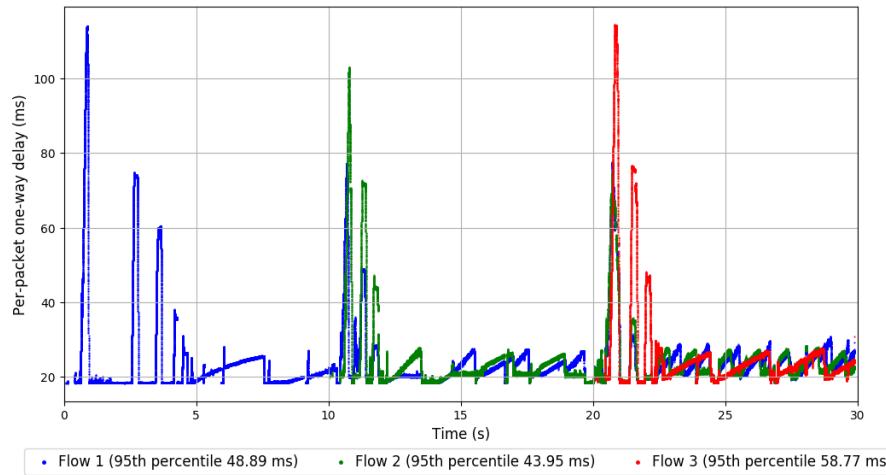
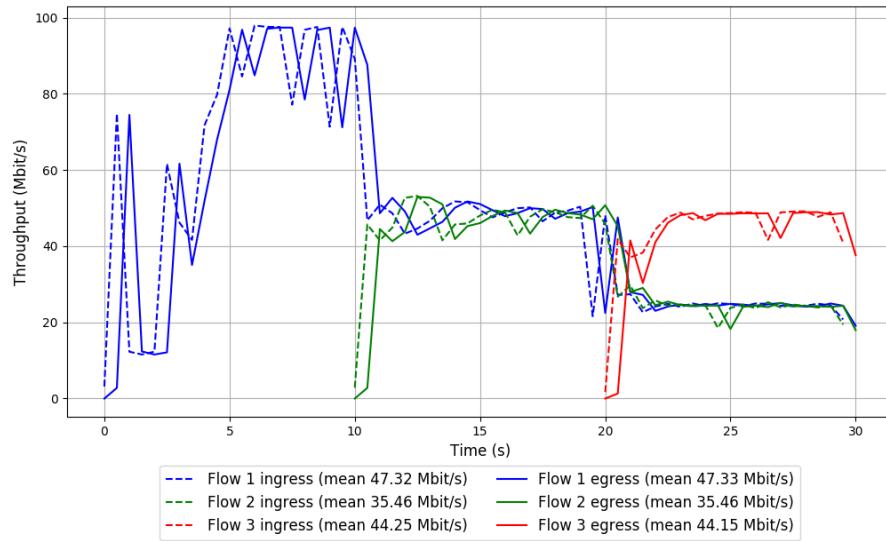


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-12-11 16:37:36
End at: 2019-12-11 16:38:06
Local clock offset: 3.997 ms
Remote clock offset: -6.365 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 48.509 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 48.891 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 43.949 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 58.769 ms
Loss rate: 0.67%
```

Run 4: Report of QUIC Cubic — Data Link

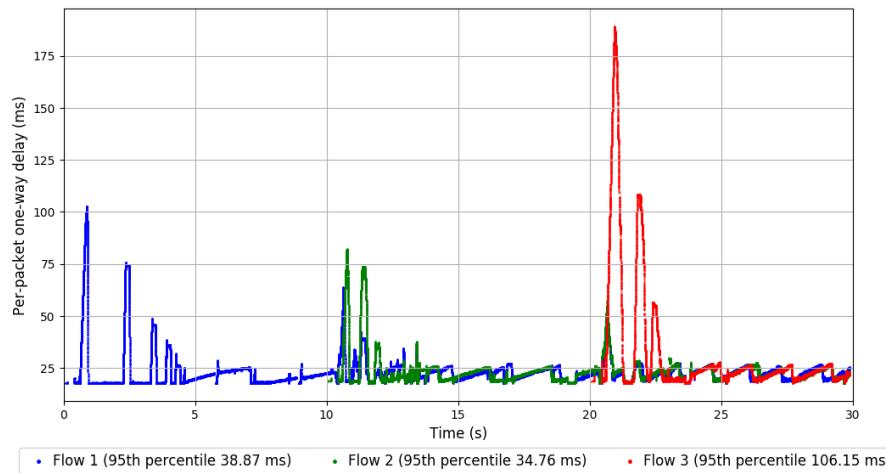
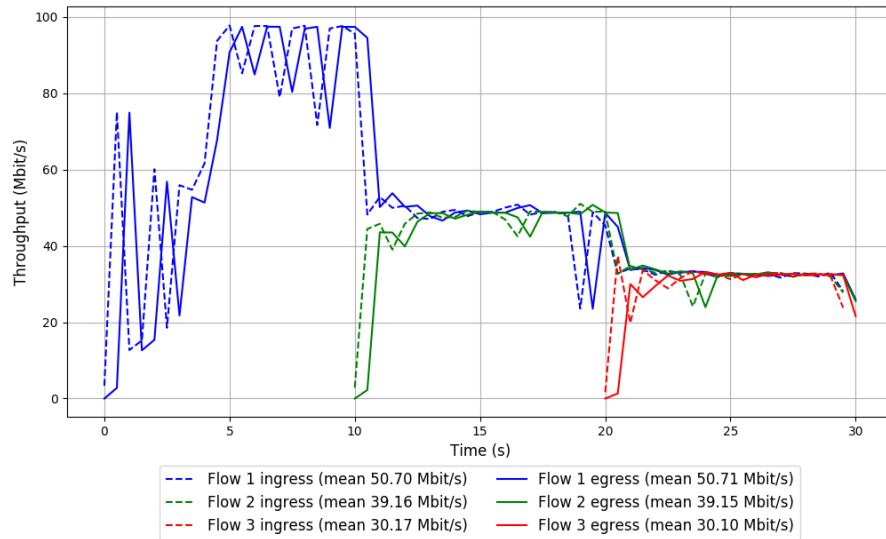


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-12-11 17:08:40
End at: 2019-12-11 17:09:10
Local clock offset: -0.123 ms
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 43.848 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 38.873 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 34.757 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 106.147 ms
Loss rate: 0.77%
```

Run 5: Report of QUIC Cubic — Data Link

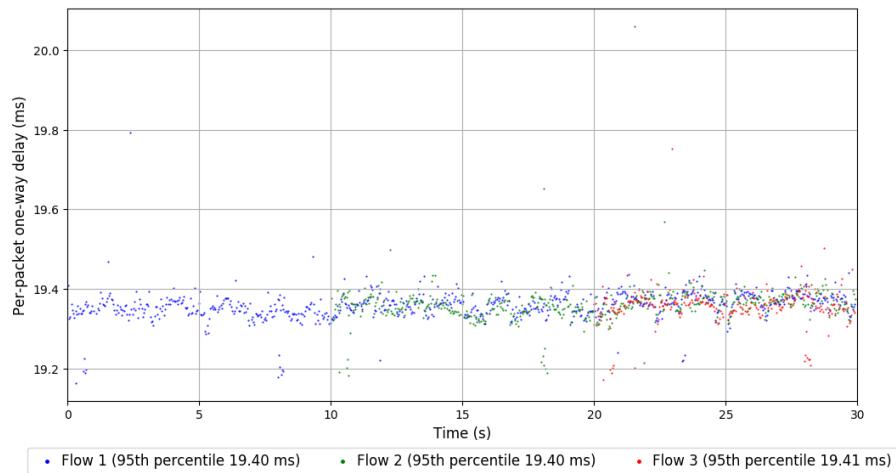
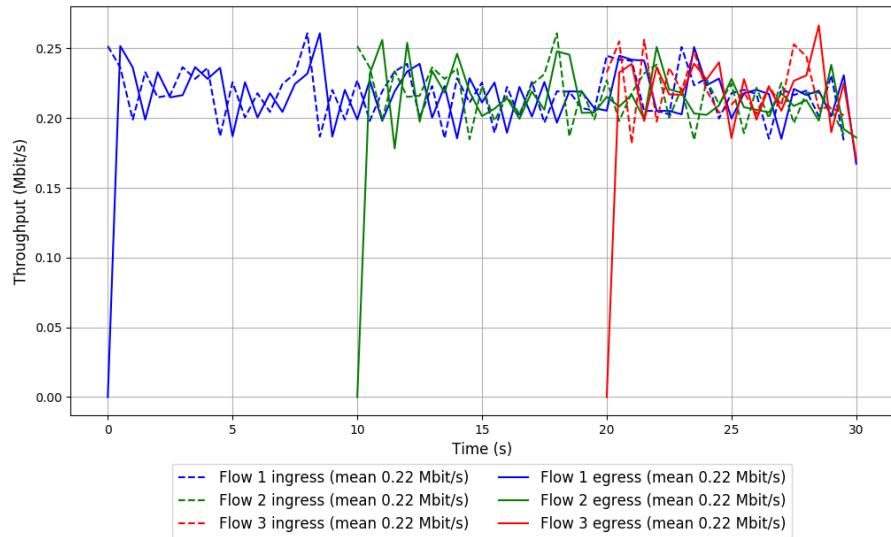


Run 1: Statistics of SCReAM

```
Start at: 2019-12-11 14:59:17
End at: 2019-12-11 14:59:47
Local clock offset: 5.009 ms
Remote clock offset: -6.966 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.403 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.411 ms
Loss rate: 0.71%
```

Run 1: Report of SCReAM — Data Link

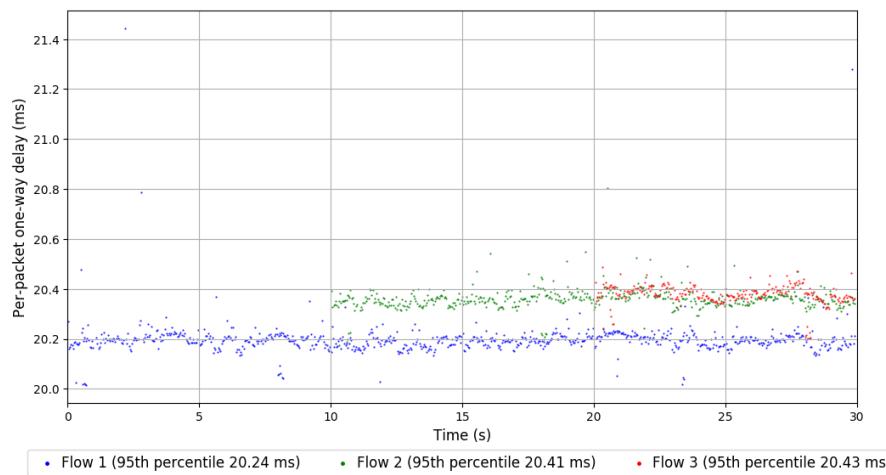
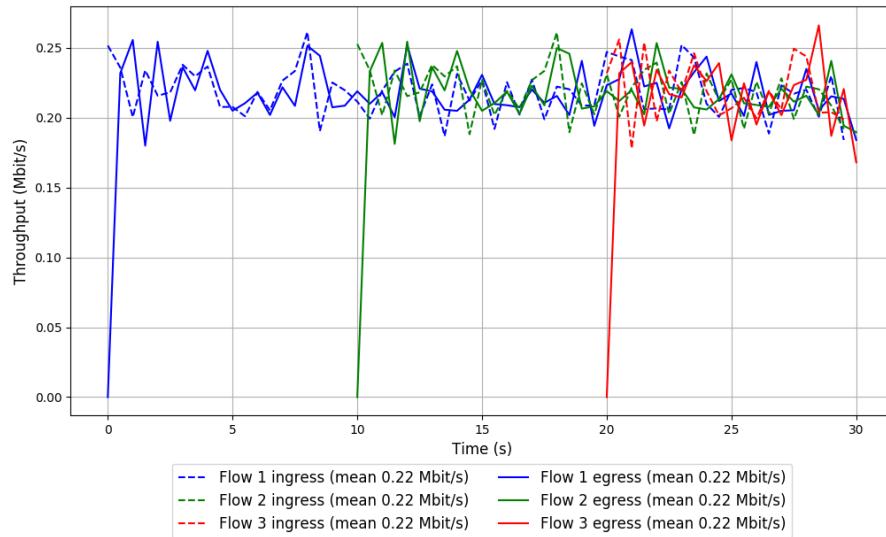


Run 2: Statistics of SCReAM

```
Start at: 2019-12-11 15:29:54
End at: 2019-12-11 15:30:24
Local clock offset: 4.194 ms
Remote clock offset: -8.622 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 20.408 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.242 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.410 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.426 ms
Loss rate: 0.70%
```

Run 2: Report of SCReAM — Data Link

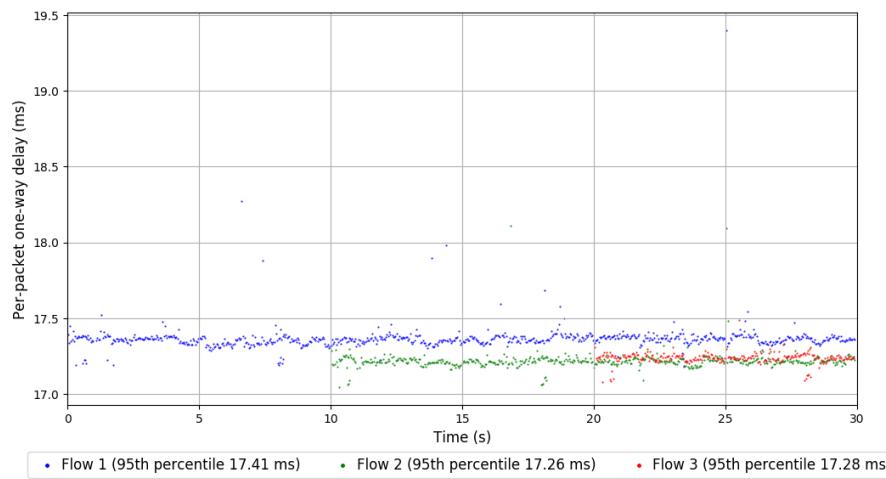
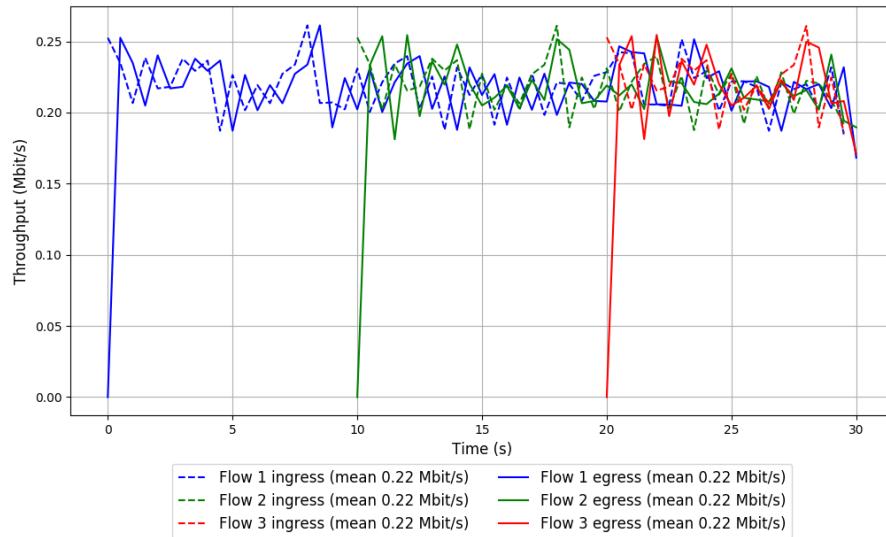


Run 3: Statistics of SCReAM

```
Start at: 2019-12-11 16:00:21
End at: 2019-12-11 16:00:51
Local clock offset: 3.981 ms
Remote clock offset: -6.99 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 17.391 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.408 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.257 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.279 ms
Loss rate: 0.71%
```

Run 3: Report of SCReAM — Data Link

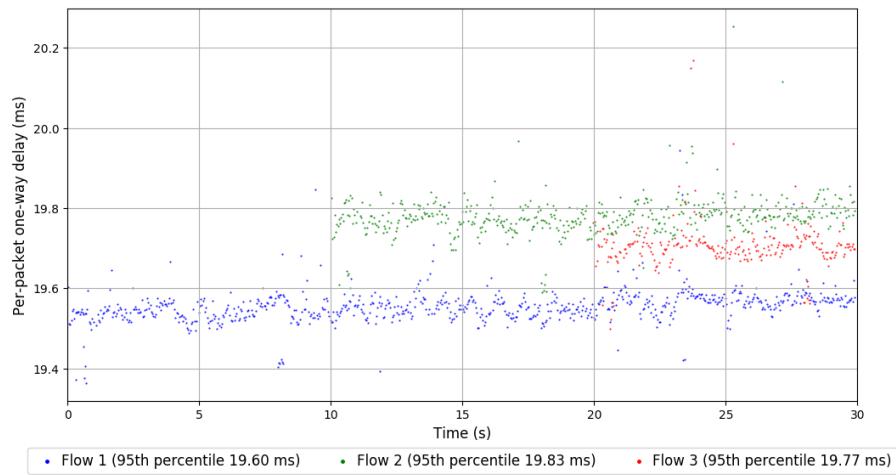
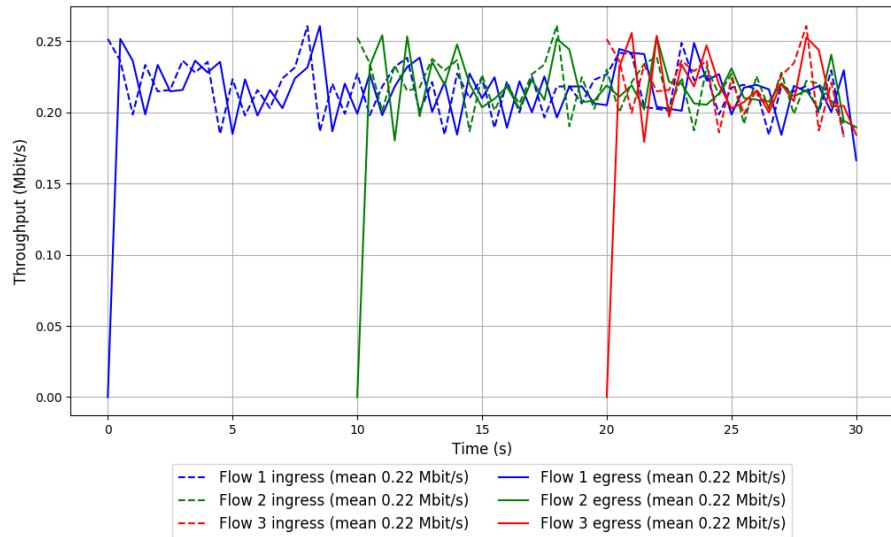


Run 4: Statistics of SCReAM

```
Start at: 2019-12-11 16:31:02
End at: 2019-12-11 16:31:32
Local clock offset: 6.391 ms
Remote clock offset: -5.413 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 19.815 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.604 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.834 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.765 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

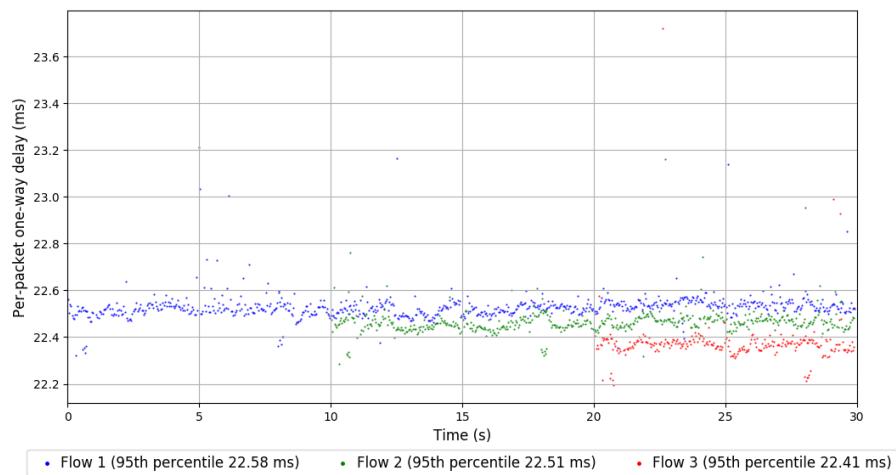
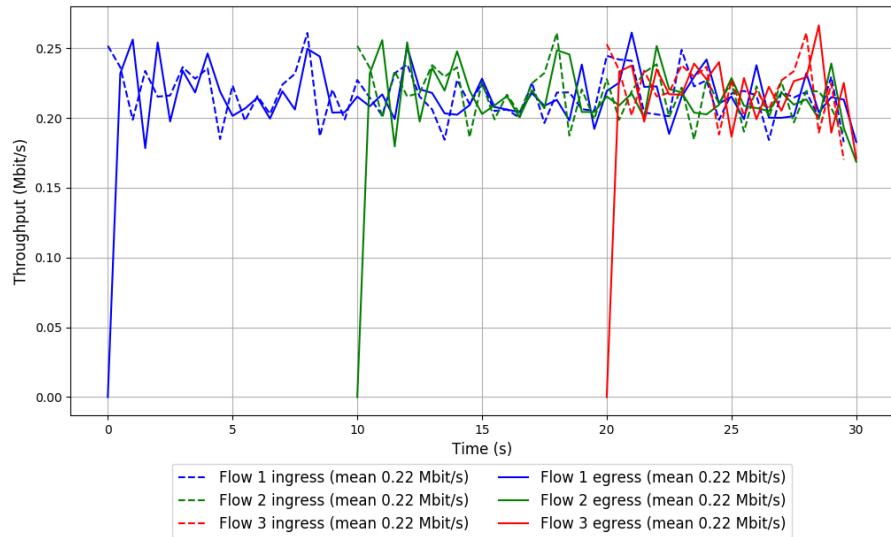


Run 5: Statistics of SCReAM

```
Start at: 2019-12-11 17:02:14
End at: 2019-12-11 17:02:44
Local clock offset: 4.332 ms
Remote clock offset: -7.003 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 22.569 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.583 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.513 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.411 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

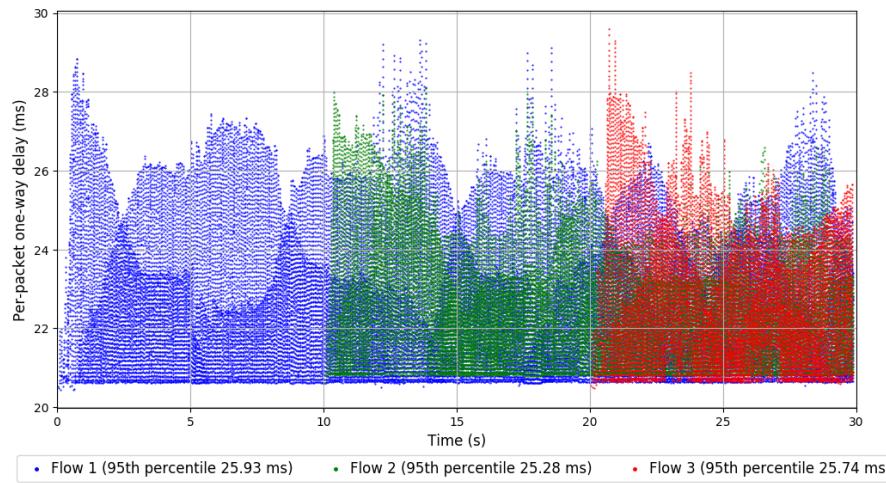
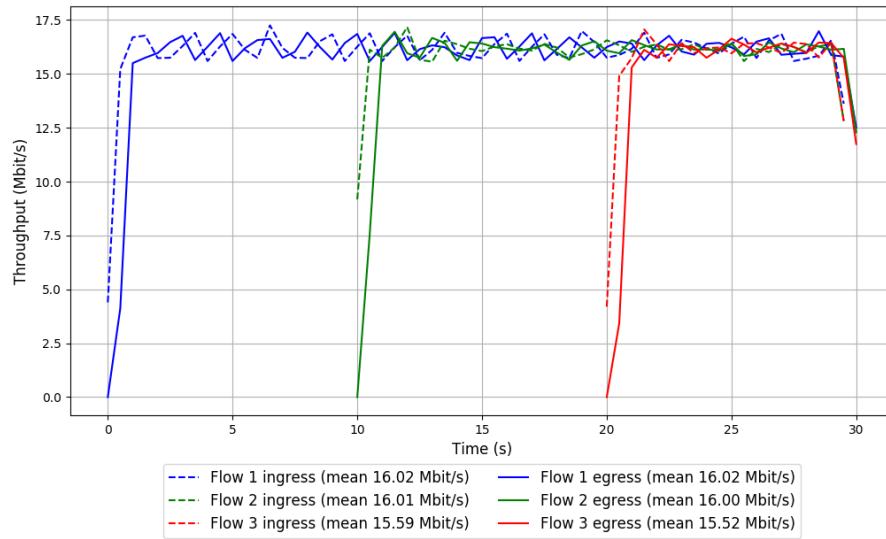


Run 1: Statistics of Sprout

```
Start at: 2019-12-11 14:51:34
End at: 2019-12-11 14:52:04
Local clock offset: 4.63 ms
Remote clock offset: -9.131 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 25.745 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 25.925 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 25.284 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 25.736 ms
Loss rate: 0.62%
```

Run 1: Report of Sprout — Data Link

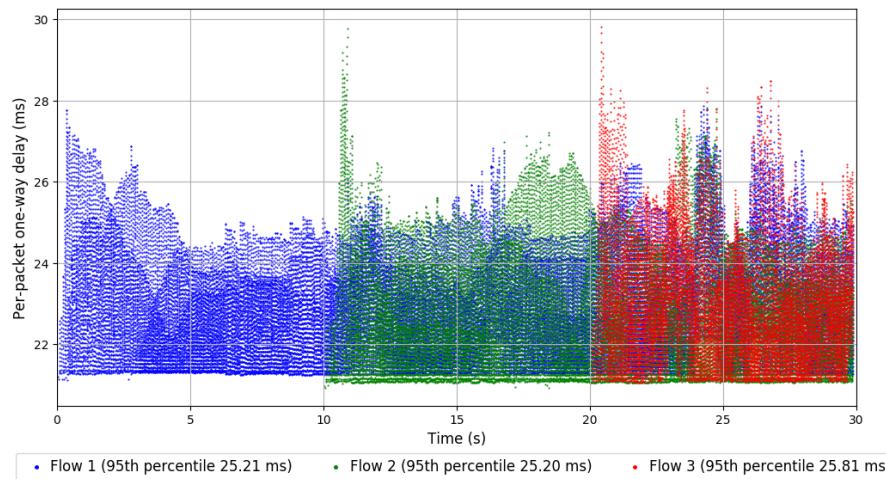
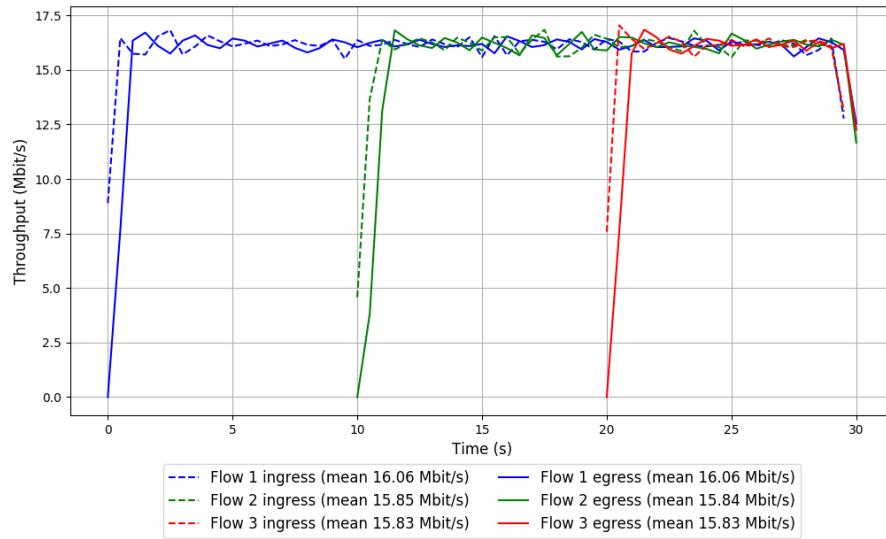


Run 2: Statistics of Sprout

```
Start at: 2019-12-11 15:22:13
End at: 2019-12-11 15:22:43
Local clock offset: 3.677 ms
Remote clock offset: -10.011 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 25.326 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 25.206 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 25.201 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 25.810 ms
Loss rate: 0.62%
```

Run 2: Report of Sprout — Data Link

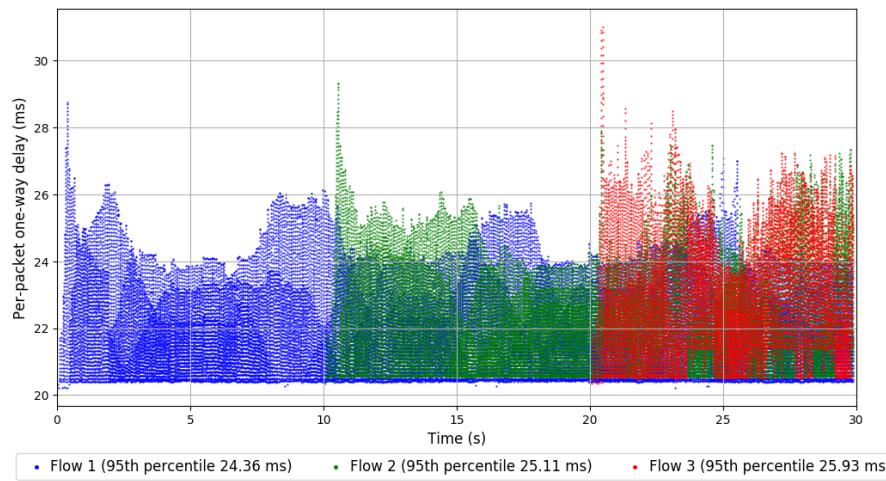
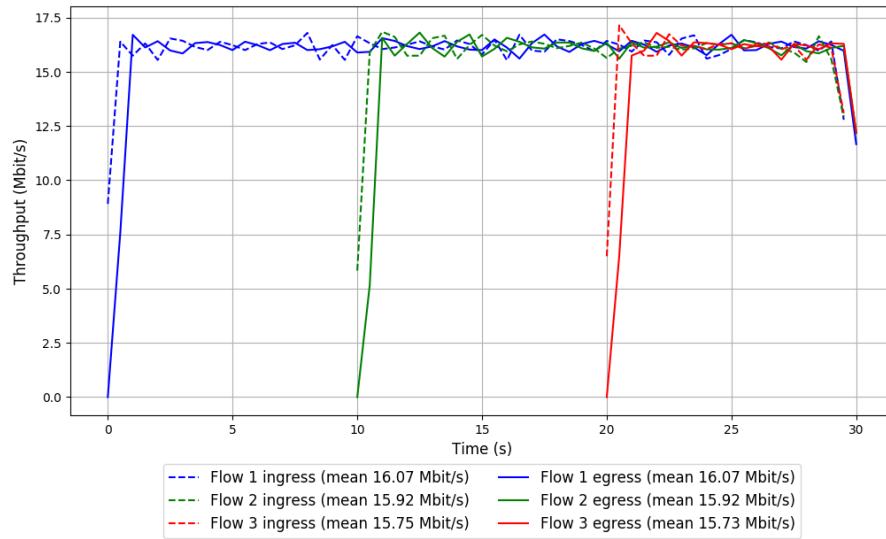


Run 3: Statistics of Sprout

```
Start at: 2019-12-11 15:52:49
End at: 2019-12-11 15:53:19
Local clock offset: 5.562 ms
Remote clock offset: -8.605 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 25.058 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 24.363 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 25.107 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 25.928 ms
Loss rate: 0.46%
```

Run 3: Report of Sprout — Data Link

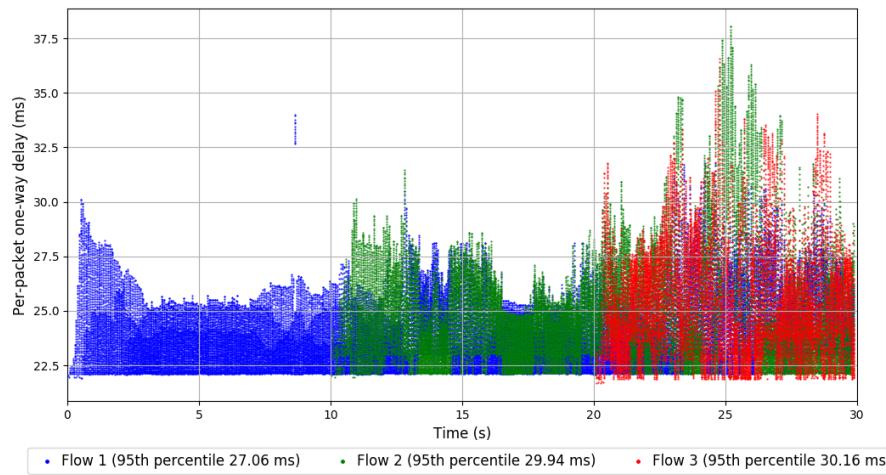
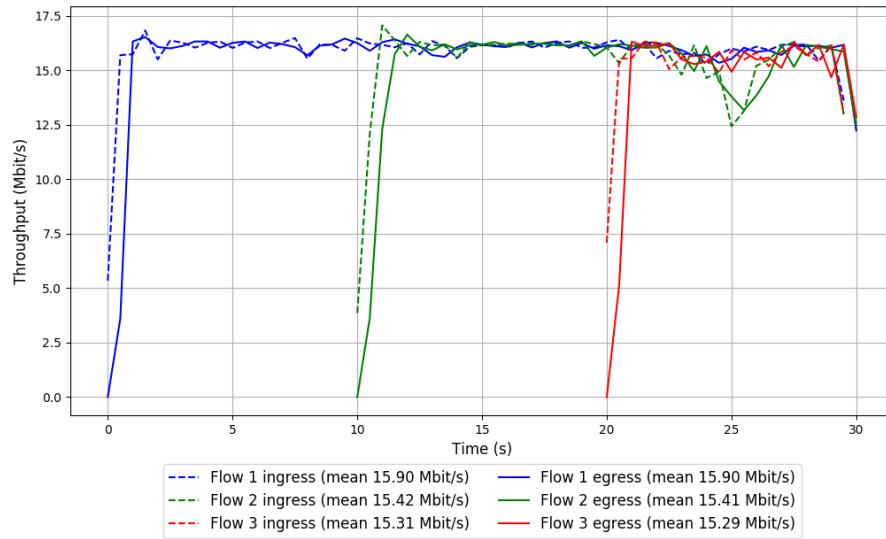


Run 4: Statistics of Sprout

```
Start at: 2019-12-11 16:23:20
End at: 2019-12-11 16:23:50
Local clock offset: 6.488 ms
Remote clock offset: -8.149 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 28.513 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 27.057 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 15.41 Mbit/s
95th percentile per-packet one-way delay: 29.943 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 30.165 ms
Loss rate: 0.47%
```

Run 4: Report of Sprout — Data Link

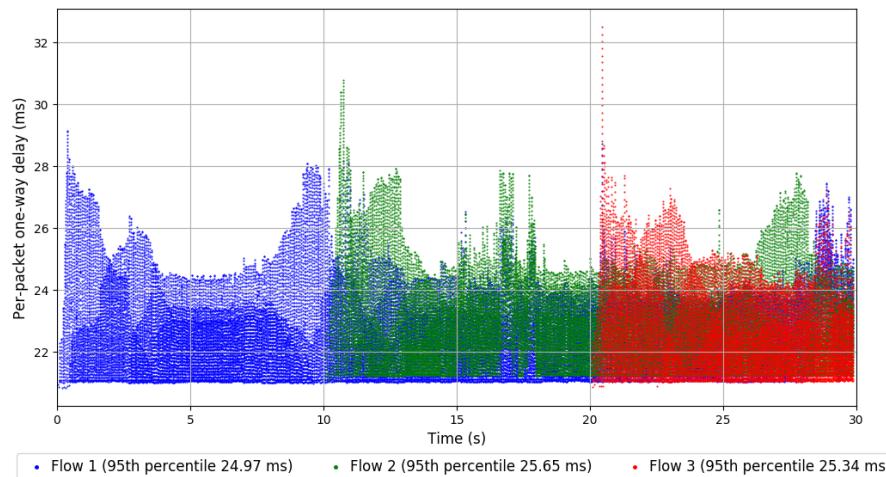
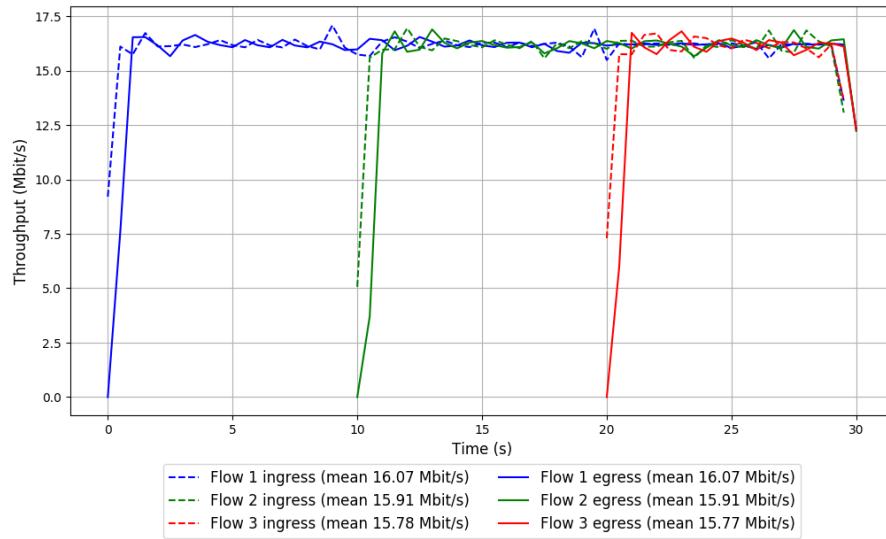


Run 5: Statistics of Sprout

```
Start at: 2019-12-11 16:54:30
End at: 2019-12-11 16:55:00
Local clock offset: 4.346 ms
Remote clock offset: -6.122 ms

# Below is generated by plot.py at 2019-12-11 17:39:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 25.272 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 24.968 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 25.648 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 25.340 ms
Loss rate: 0.62%
```

Run 5: Report of Sprout — Data Link

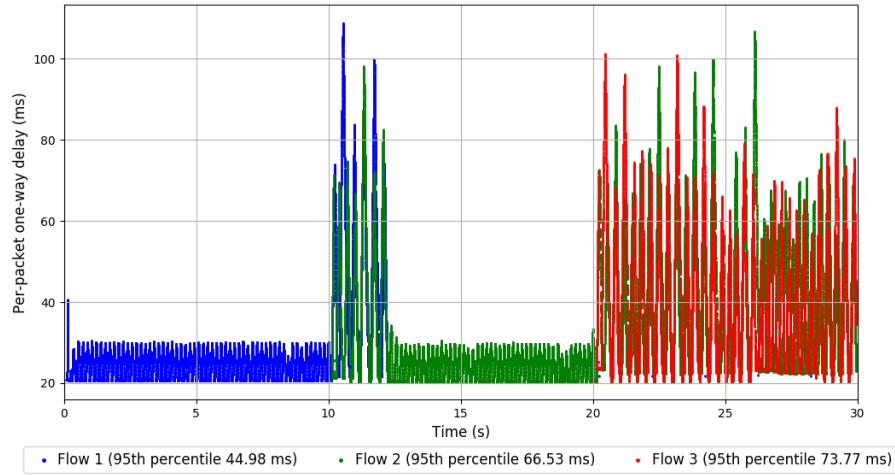
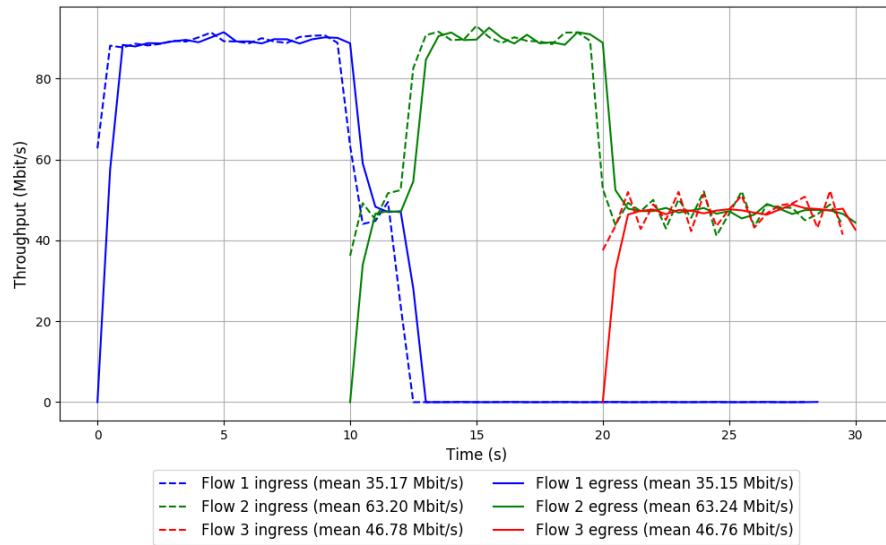


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-12-11 15:14:14
End at: 2019-12-11 15:14:44
Local clock offset: 4.092 ms
Remote clock offset: -9.054 ms

# Below is generated by plot.py at 2019-12-11 17:41:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 66.564 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 44.984 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 63.24 Mbit/s
95th percentile per-packet one-way delay: 66.532 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 73.768 ms
Loss rate: 0.56%
```

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

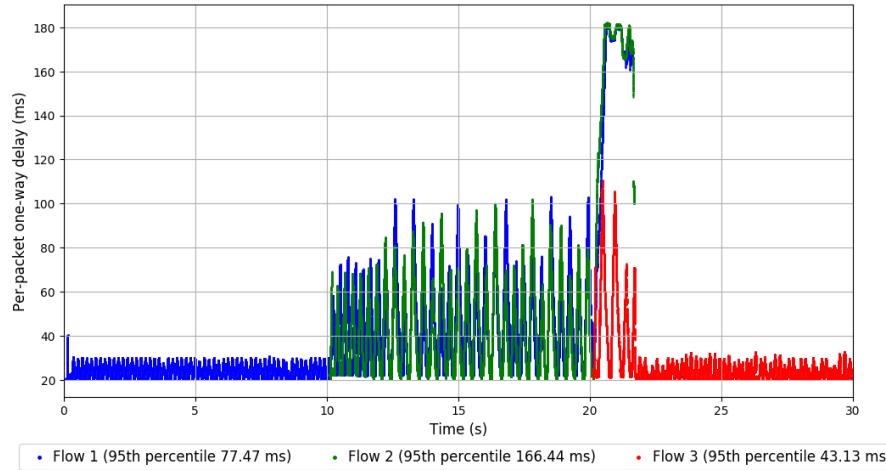
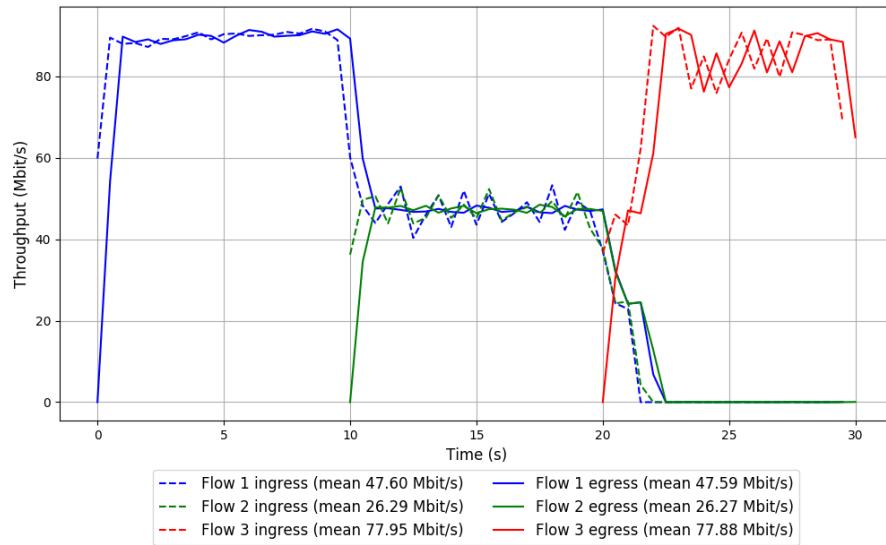


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-12-11 15:45:09
End at: 2019-12-11 15:45:39
Local clock offset: 4.743 ms
Remote clock offset: -9.176 ms

# Below is generated by plot.py at 2019-12-11 17:41:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 80.127 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 77.470 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 166.437 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 43.127 ms
Loss rate: 0.59%
```

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

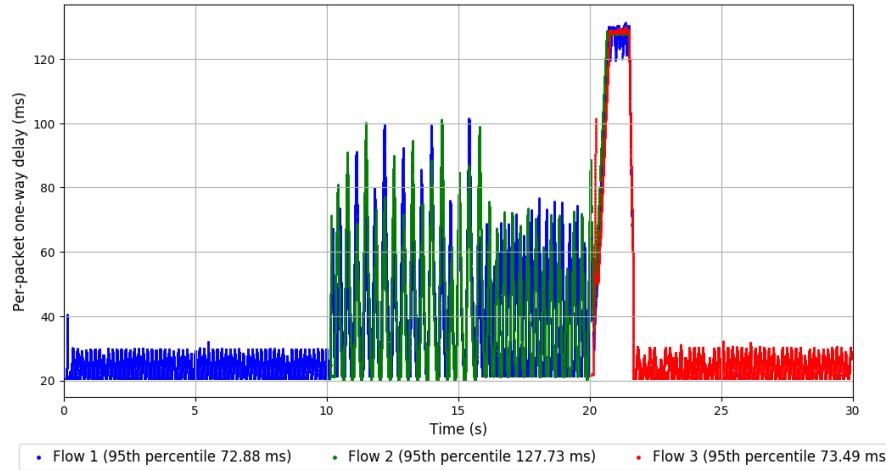
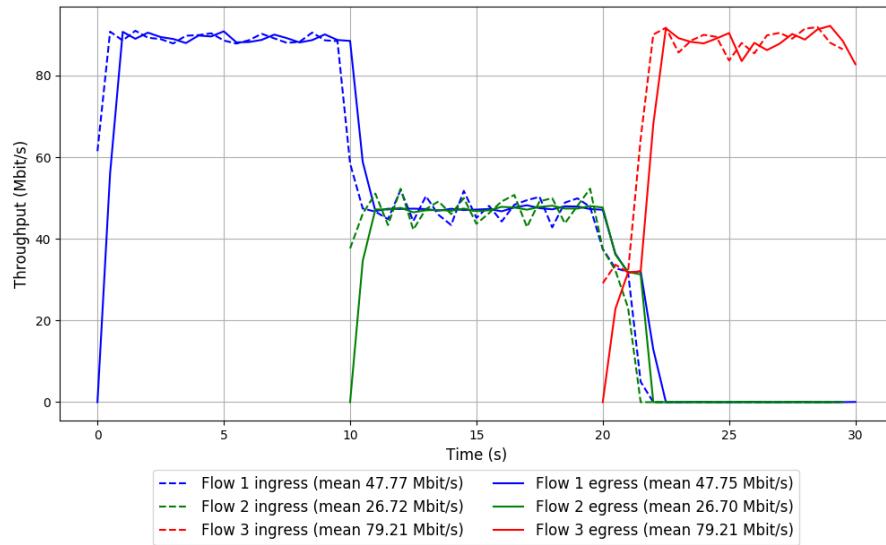


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-12-11 16:15:26
End at: 2019-12-11 16:15:56
Local clock offset: 6.112 ms
Remote clock offset: -7.555 ms

# Below is generated by plot.py at 2019-12-11 17:41:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 83.924 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 72.876 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 127.726 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 73.488 ms
Loss rate: 0.54%
```

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

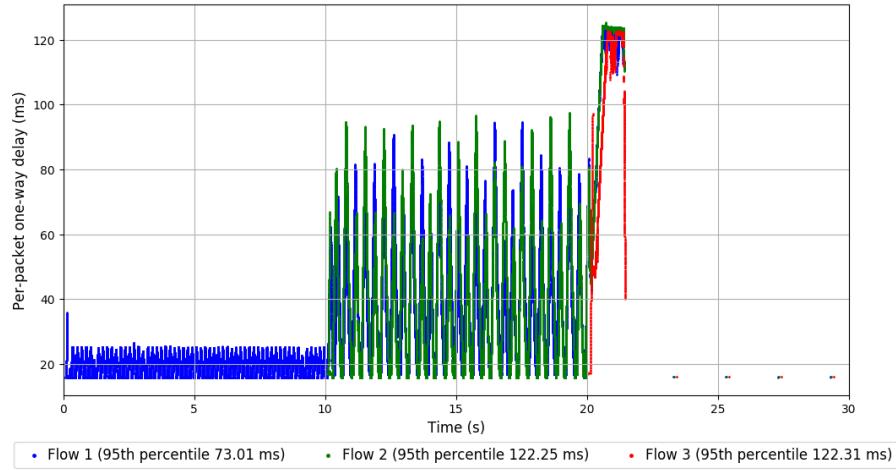
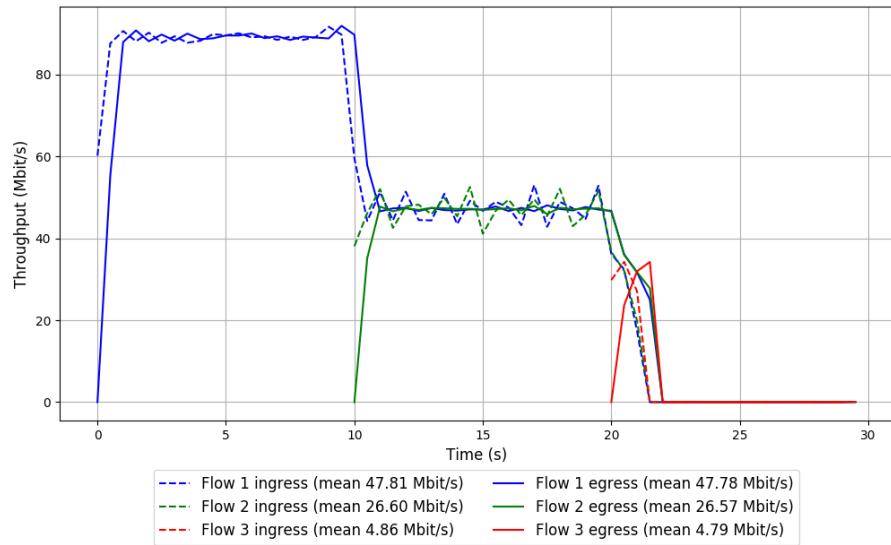


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-12-11 16:46:36
End at: 2019-12-11 16:47:06
Local clock offset: 0.644 ms
Remote clock offset: -5.472 ms

# Below is generated by plot.py at 2019-12-11 17:41:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.51 Mbit/s
95th percentile per-packet one-way delay: 91.797 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 73.008 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 122.251 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 122.310 ms
Loss rate: 1.44%
```

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

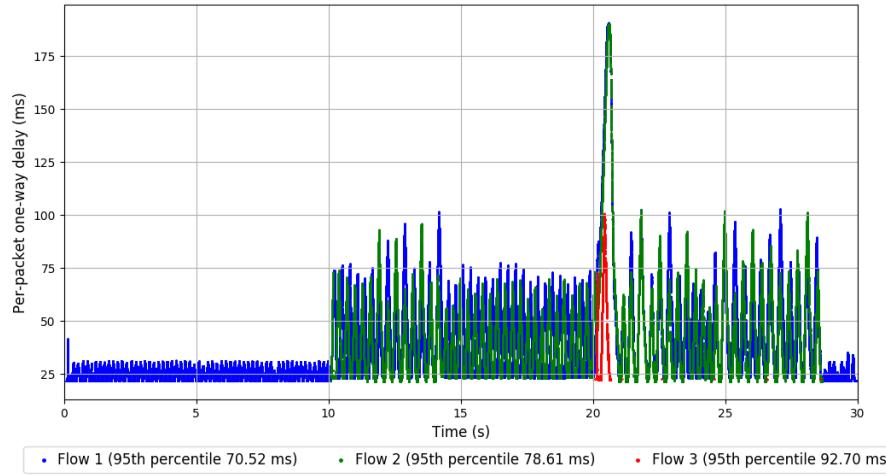
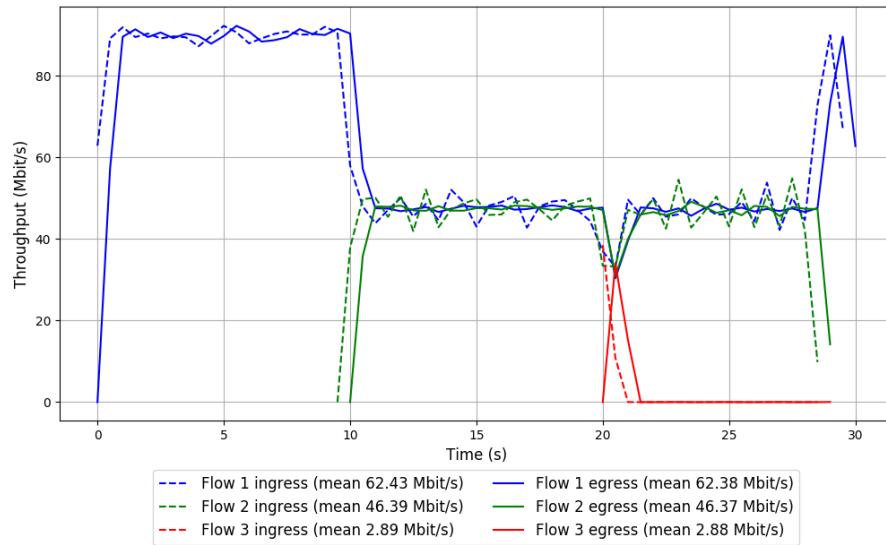


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-12-11 17:17:21
End at: 2019-12-11 17:17:51
Local clock offset: 3.672 ms
Remote clock offset: -6.874 ms

# Below is generated by plot.py at 2019-12-11 17:41:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 73.241 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 70.522 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 78.614 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 92.702 ms
Loss rate: 0.28%
```

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

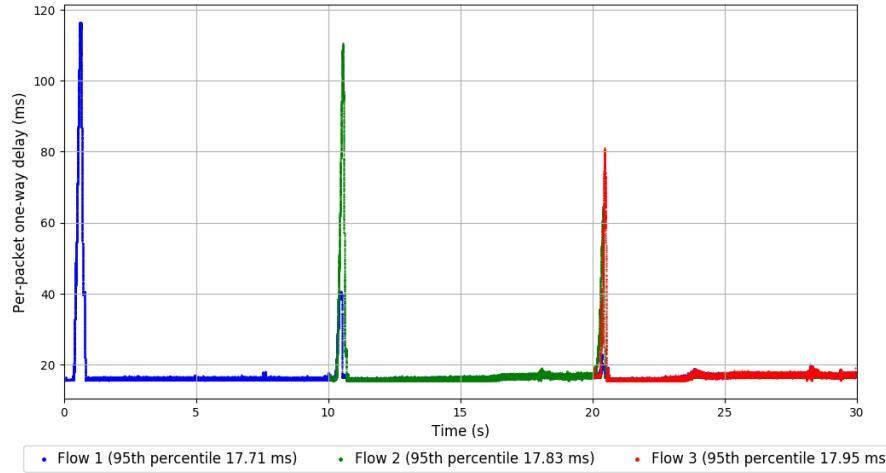
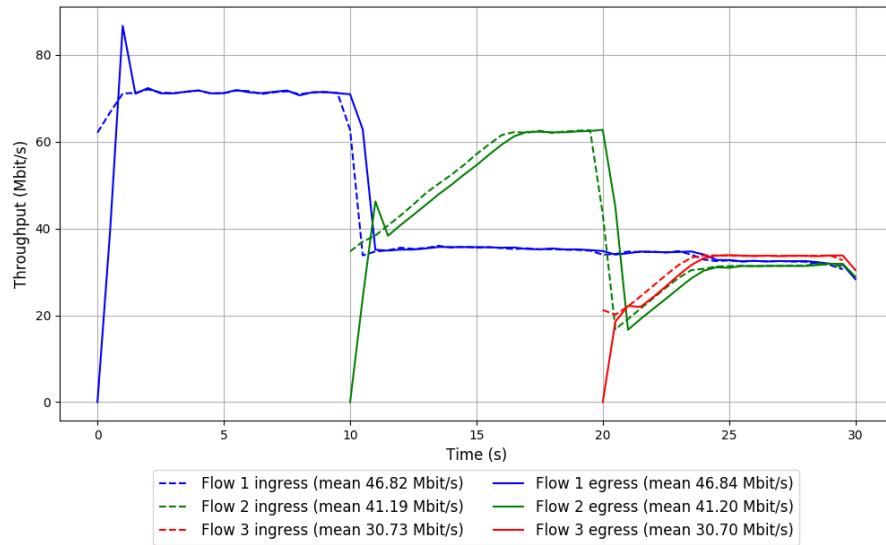


Run 1: Statistics of TCP Vegas

```
Start at: 2019-12-11 15:03:00
End at: 2019-12-11 15:03:30
Local clock offset: -0.805 ms
Remote clock offset: -8.872 ms

# Below is generated by plot.py at 2019-12-11 17:41:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 17.817 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 17.707 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 17.826 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 17.951 ms
Loss rate: 0.57%
```

Run 1: Report of TCP Vegas — Data Link

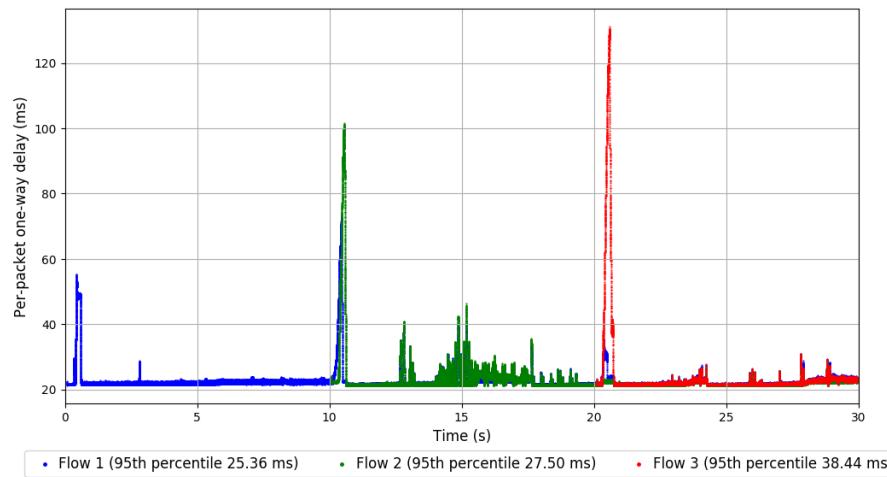
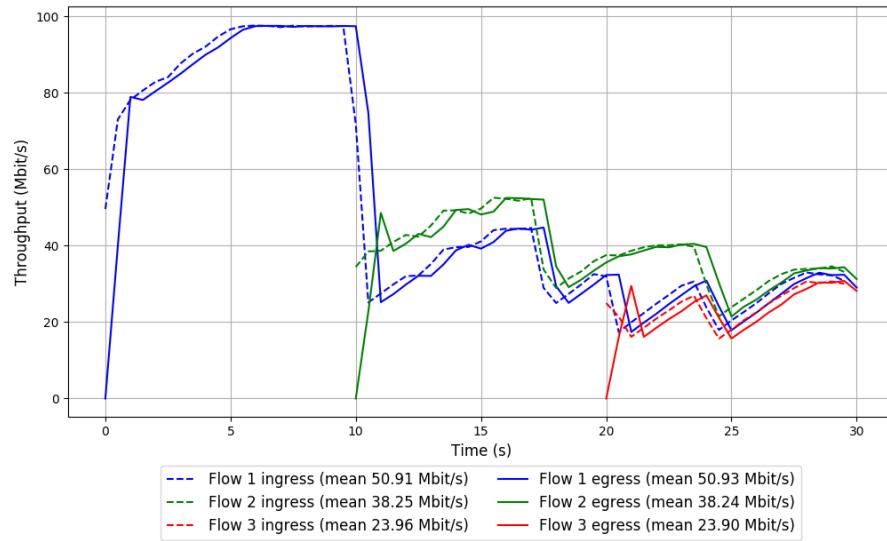


Run 2: Statistics of TCP Vegas

```
Start at: 2019-12-11 15:34:00
End at: 2019-12-11 15:34:30
Local clock offset: 4.892 ms
Remote clock offset: -8.98 ms

# Below is generated by plot.py at 2019-12-11 17:41:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 26.661 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 25.355 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 27.500 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 38.443 ms
Loss rate: 0.75%
```

Run 2: Report of TCP Vegas — Data Link

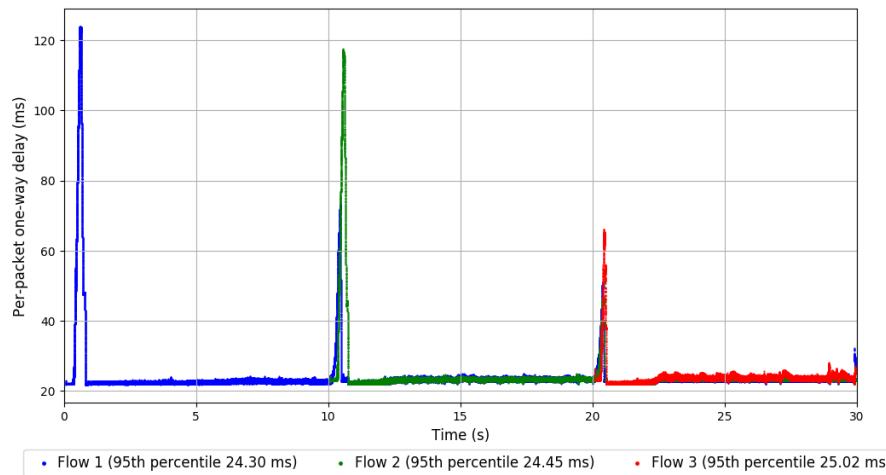
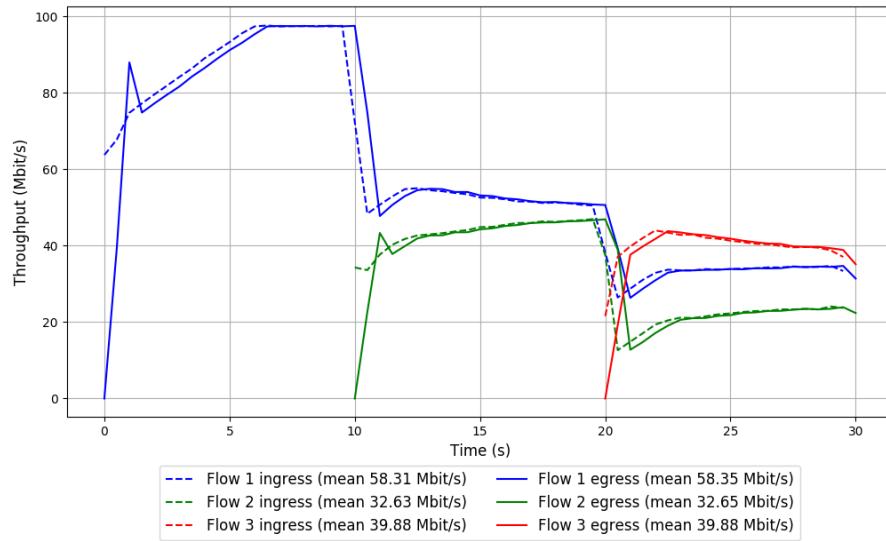


Run 3: Statistics of TCP Vegas

```
Start at: 2019-12-11 16:04:00
End at: 2019-12-11 16:04:30
Local clock offset: 6.26 ms
Remote clock offset: -9.367 ms

# Below is generated by plot.py at 2019-12-11 17:41:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 24.800 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 24.300 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 24.451 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 25.024 ms
Loss rate: 0.48%
```

Run 3: Report of TCP Vegas — Data Link

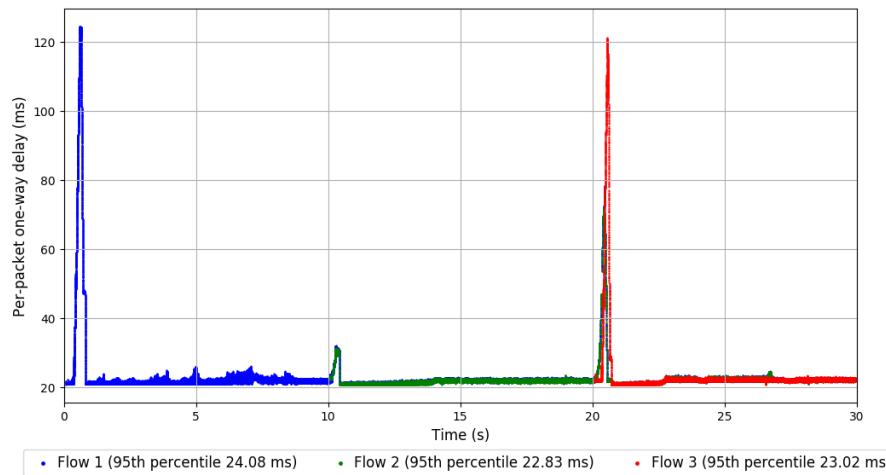
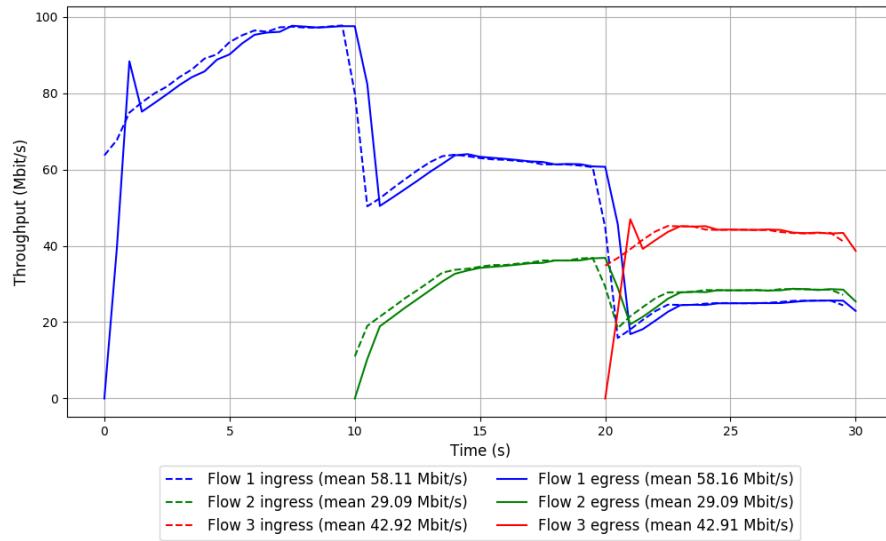


Run 4: Statistics of TCP Vegas

```
Start at: 2019-12-11 16:34:58
End at: 2019-12-11 16:35:28
Local clock offset: 6.349 ms
Remote clock offset: -6.448 ms

# Below is generated by plot.py at 2019-12-11 17:41:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 23.614 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 24.079 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 22.829 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 23.020 ms
Loss rate: 0.53%
```

Run 4: Report of TCP Vegas — Data Link

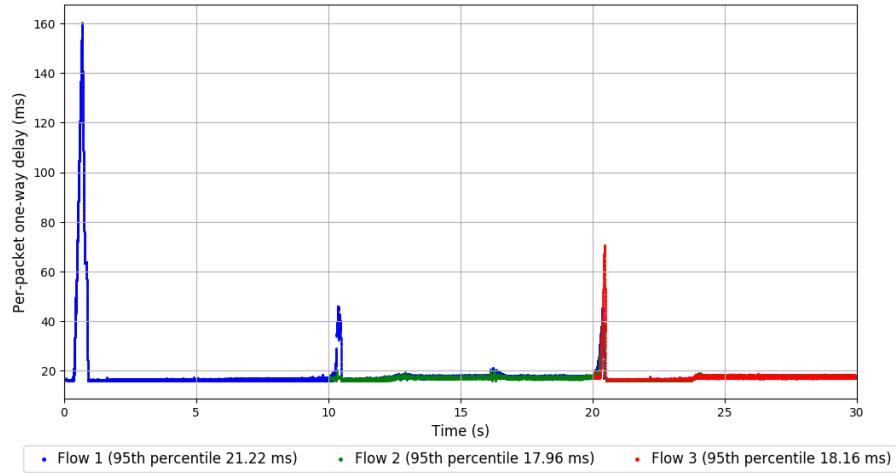
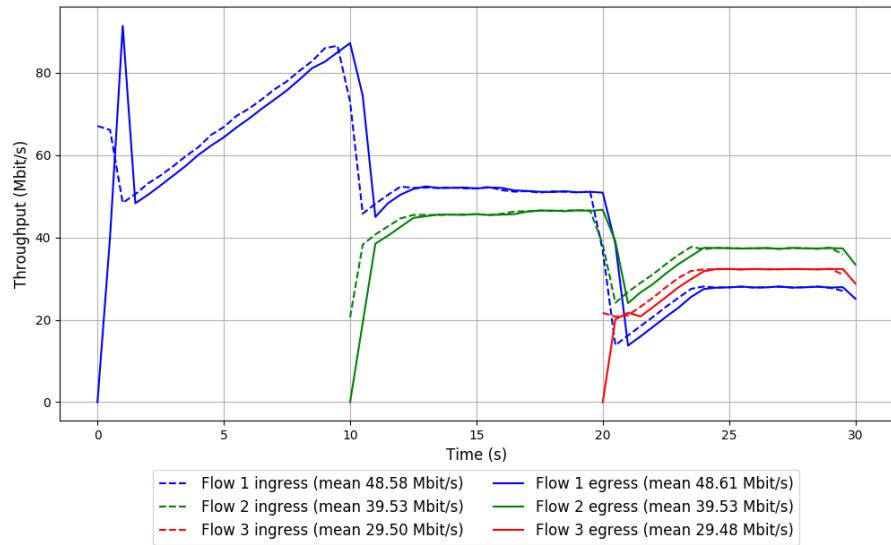


Run 5: Statistics of TCP Vegas

```
Start at: 2019-12-11 17:06:01
End at: 2019-12-11 17:06:31
Local clock offset: 0.307 ms
Remote clock offset: -4.556 ms

# Below is generated by plot.py at 2019-12-11 17:41:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 18.253 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 21.222 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 17.958 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 18.156 ms
Loss rate: 0.58%
```

Run 5: Report of TCP Vegas — Data Link

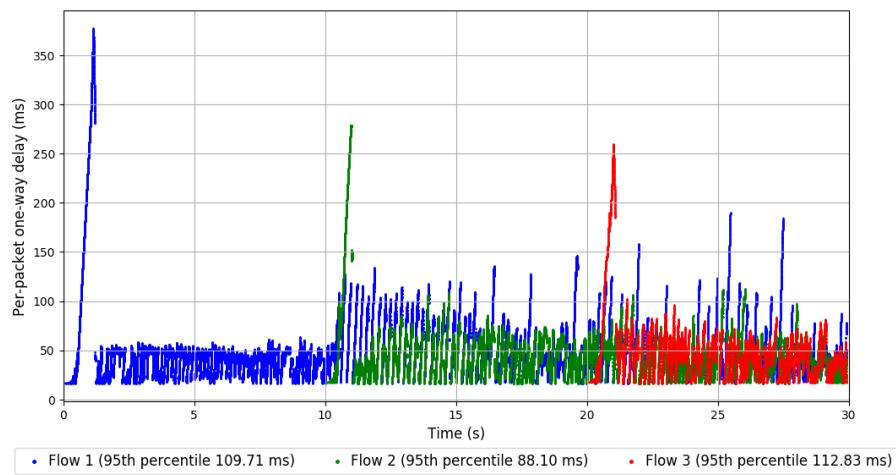
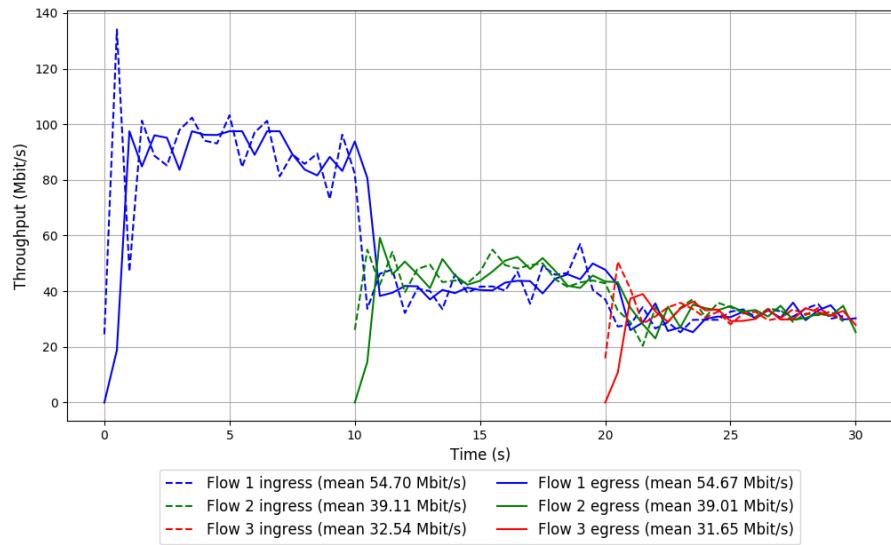


Run 1: Statistics of Verus

```
Start at: 2019-12-11 15:01:44
End at: 2019-12-11 15:02:14
Local clock offset: -0.628 ms
Remote clock offset: -9.685 ms

# Below is generated by plot.py at 2019-12-11 17:41:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: 104.237 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 109.706 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 88.096 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 112.832 ms
Loss rate: 3.22%
```

Run 1: Report of Verus — Data Link

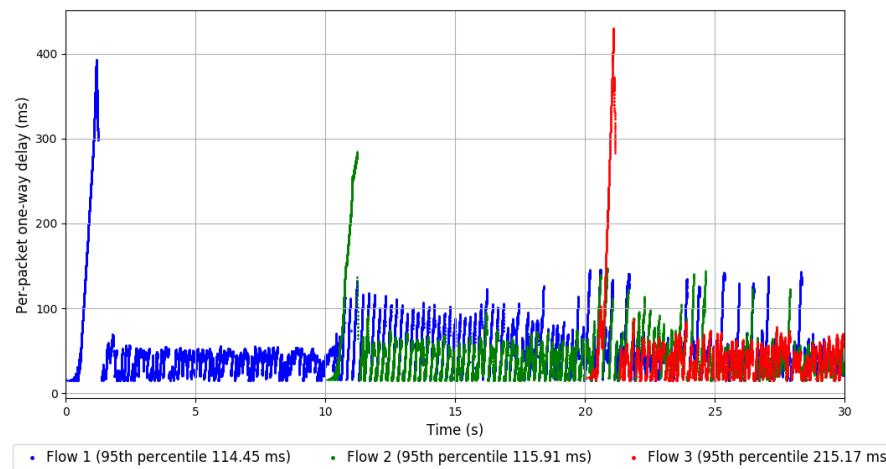
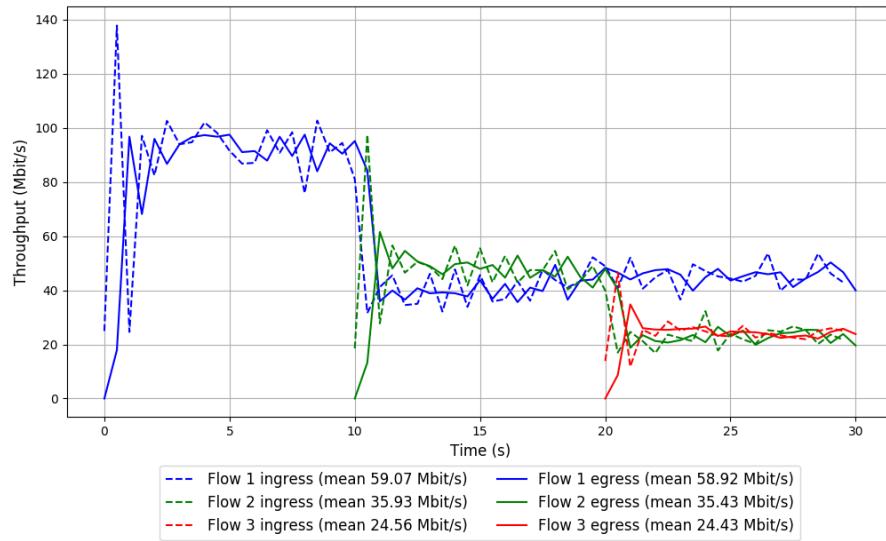


Run 2: Statistics of Verus

```
Start at: 2019-12-11 15:32:35
End at: 2019-12-11 15:33:05
Local clock offset: 0.058 ms
Remote clock offset: -7.234 ms

# Below is generated by plot.py at 2019-12-11 17:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 116.411 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 114.449 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 115.909 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 215.167 ms
Loss rate: 1.00%
```

Run 2: Report of Verus — Data Link

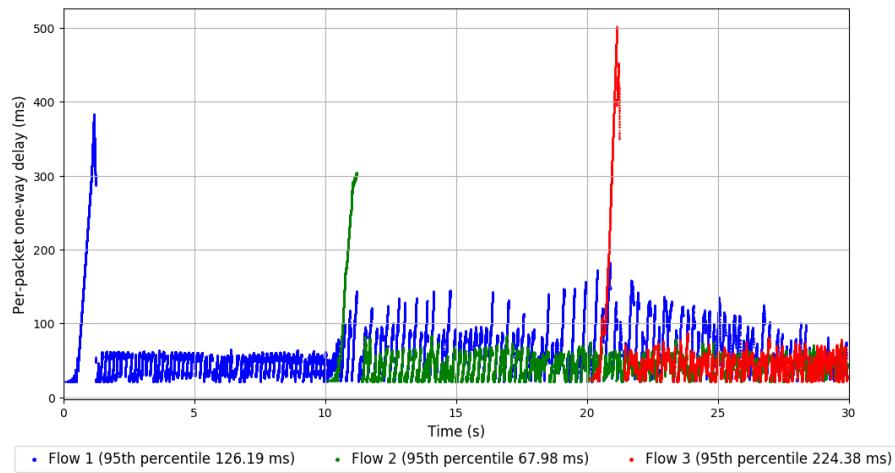
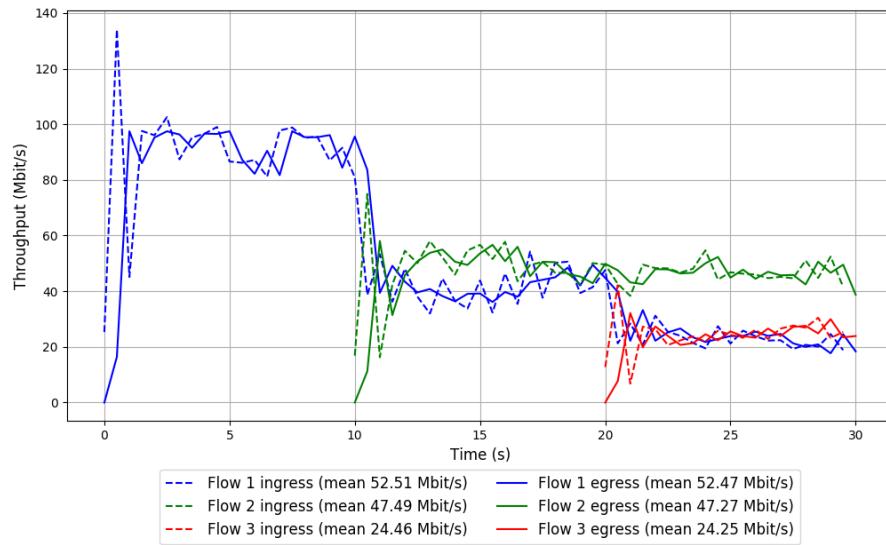


Run 3: Statistics of Verus

```
Start at: 2019-12-11 16:02:46
End at: 2019-12-11 16:03:16
Local clock offset: 6.539 ms
Remote clock offset: -8.989 ms

# Below is generated by plot.py at 2019-12-11 17:42:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 118.839 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 126.188 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 47.27 Mbit/s
95th percentile per-packet one-way delay: 67.981 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 224.383 ms
Loss rate: 1.35%
```

Run 3: Report of Verus — Data Link

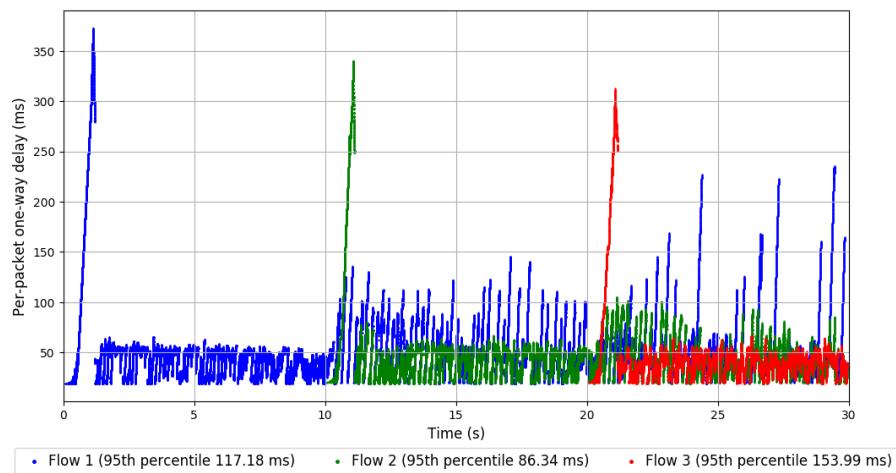
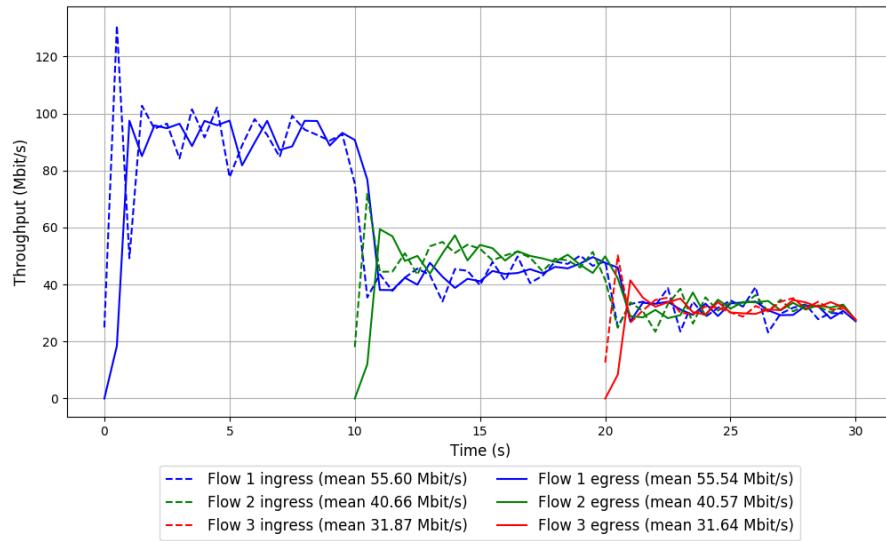


Run 4: Statistics of Verus

```
Start at: 2019-12-11 16:33:27
End at: 2019-12-11 16:38:57
Local clock offset: 6.061 ms
Remote clock offset: -5.297 ms

# Below is generated by plot.py at 2019-12-11 17:42:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 110.739 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 117.180 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 86.339 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 153.993 ms
Loss rate: 1.20%
```

Run 4: Report of Verus — Data Link

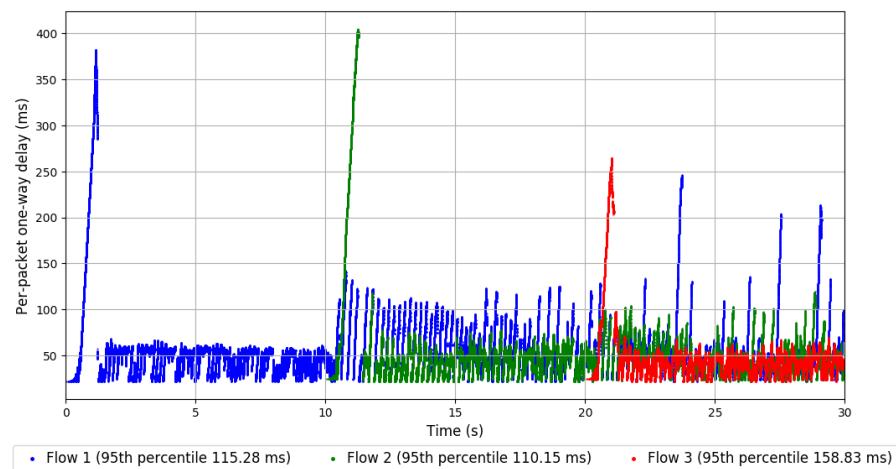
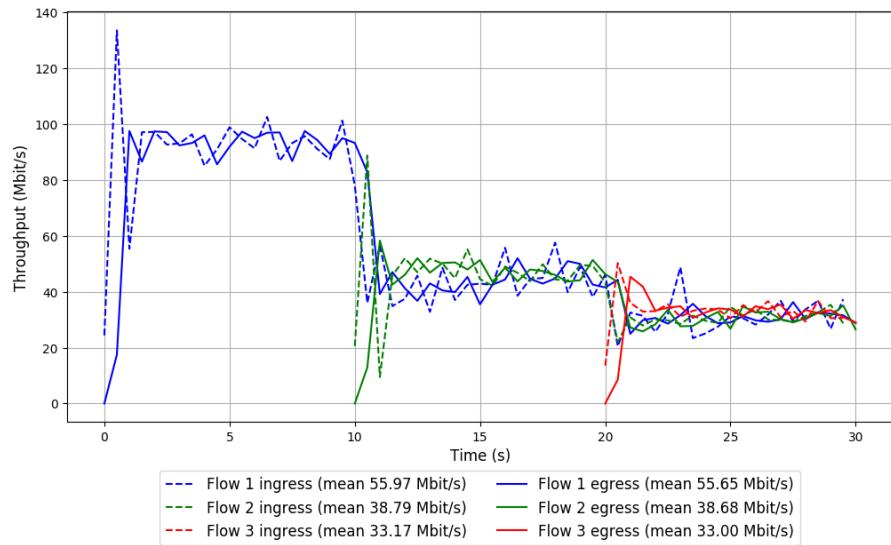


Run 5: Statistics of Verus

```
Start at: 2019-12-11 17:04:44
End at: 2019-12-11 17:05:14
Local clock offset: 4.358 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2019-12-11 17:42:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 115.719 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 115.281 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 110.150 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 158.831 ms
Loss rate: 0.90%
```

Run 5: Report of Verus — Data Link

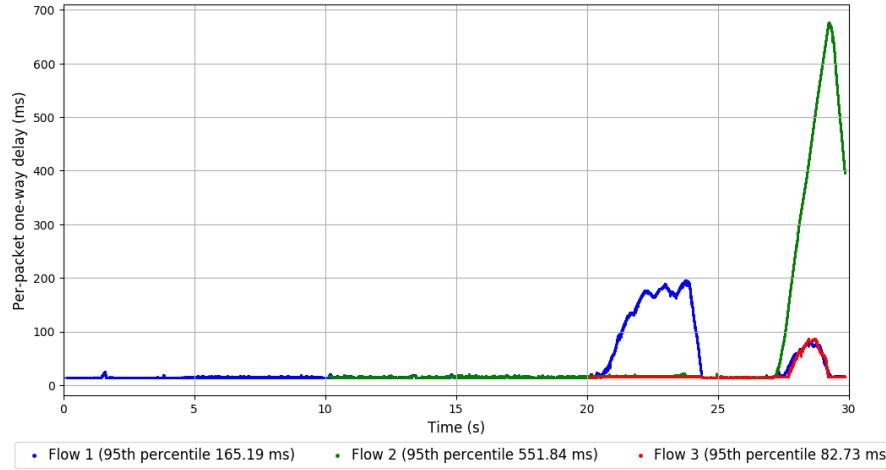
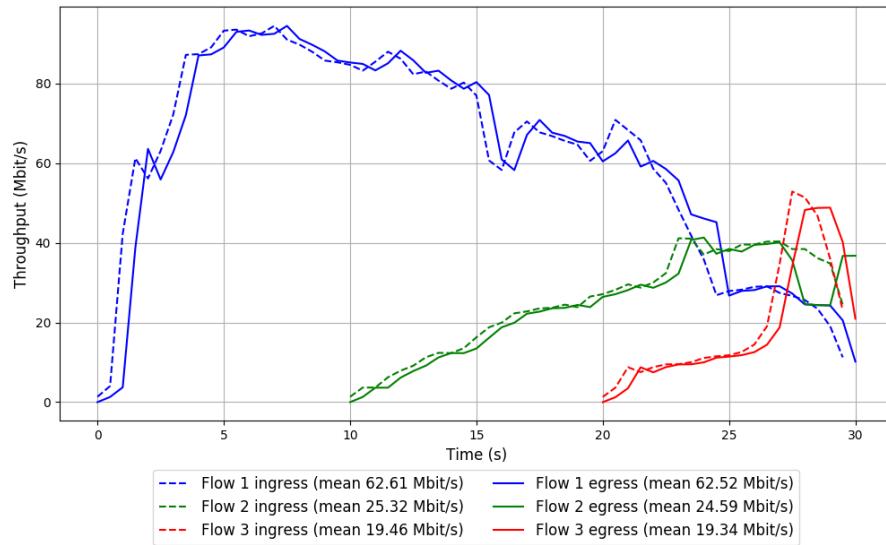


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-12-11 14:55:22
End at: 2019-12-11 14:55:52
Local clock offset: 0.04 ms
Remote clock offset: -7.478 ms

# Below is generated by plot.py at 2019-12-11 17:42:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 172.865 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 165.186 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 551.835 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 82.733 ms
Loss rate: 1.15%
```

Run 1: Report of PCC-Vivace — Data Link

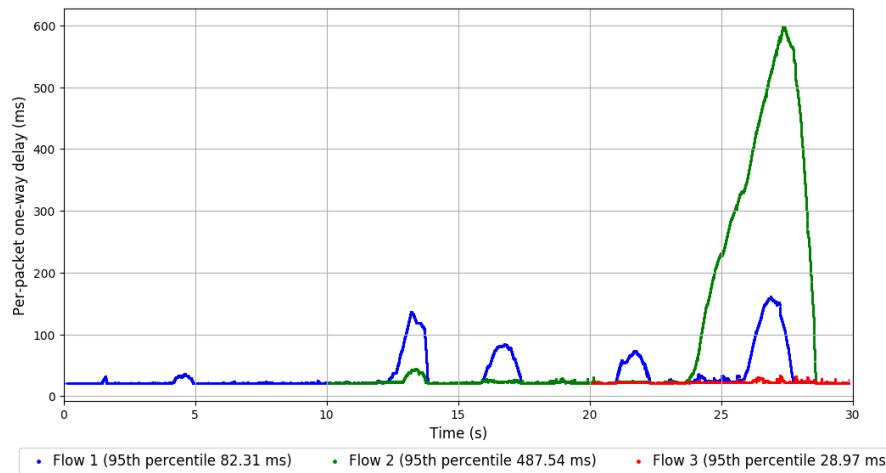
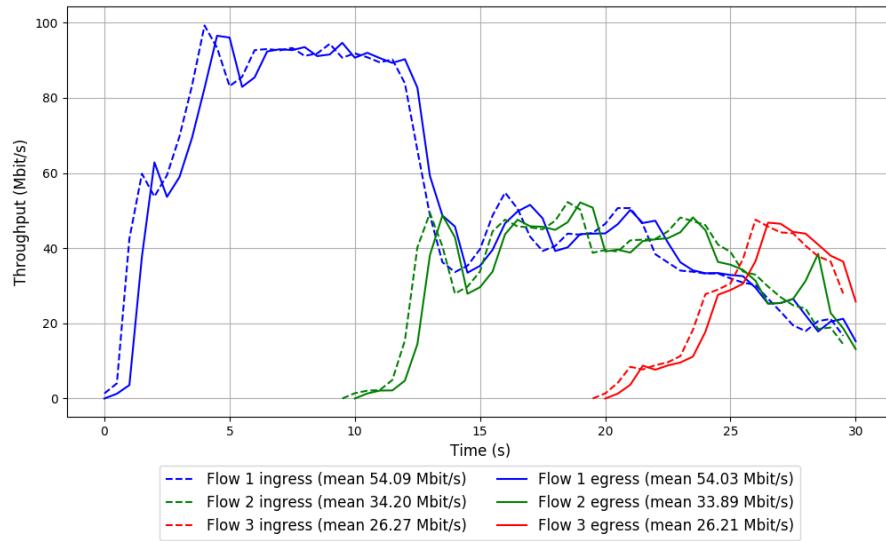


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-12-11 15:25:50
End at: 2019-12-11 15:26:20
Local clock offset: 4.797 ms
Remote clock offset: -9.44 ms

# Below is generated by plot.py at 2019-12-11 17:42:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 154.709 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 82.307 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 487.543 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 28.974 ms
Loss rate: 0.72%
```

Run 2: Report of PCC-Vivace — Data Link

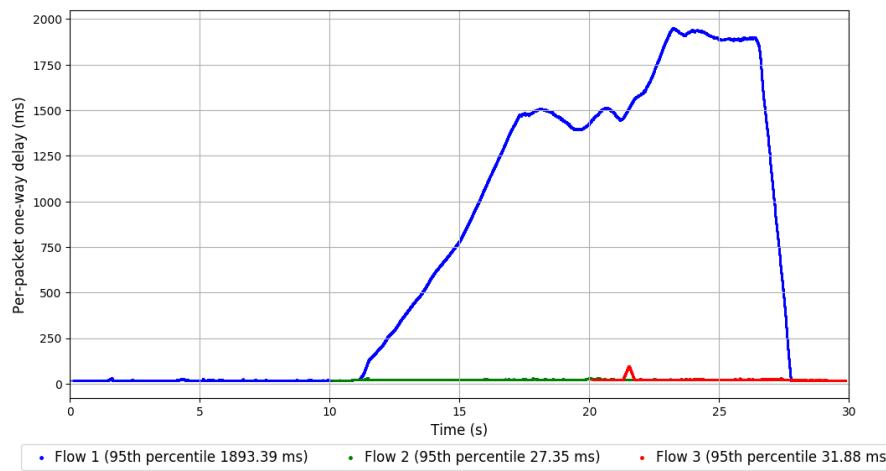
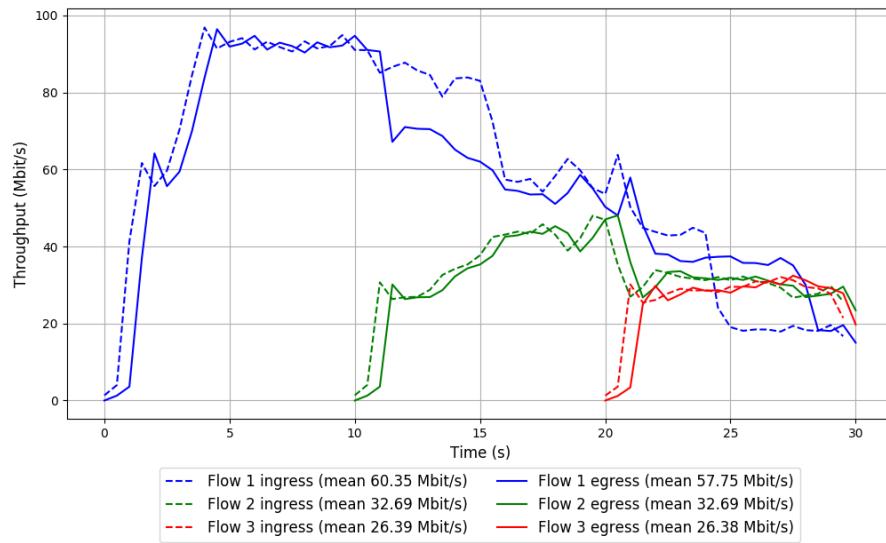


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-12-11 15:56:28
End at: 2019-12-11 15:56:58
Local clock offset: 5.985 ms
Remote clock offset: -6.806 ms

# Below is generated by plot.py at 2019-12-11 17:42:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 1849.417 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 1893.393 ms
Loss rate: 4.48%
-- Flow 2:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 27.347 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 31.884 ms
Loss rate: 0.56%
```

Run 3: Report of PCC-Vivace — Data Link

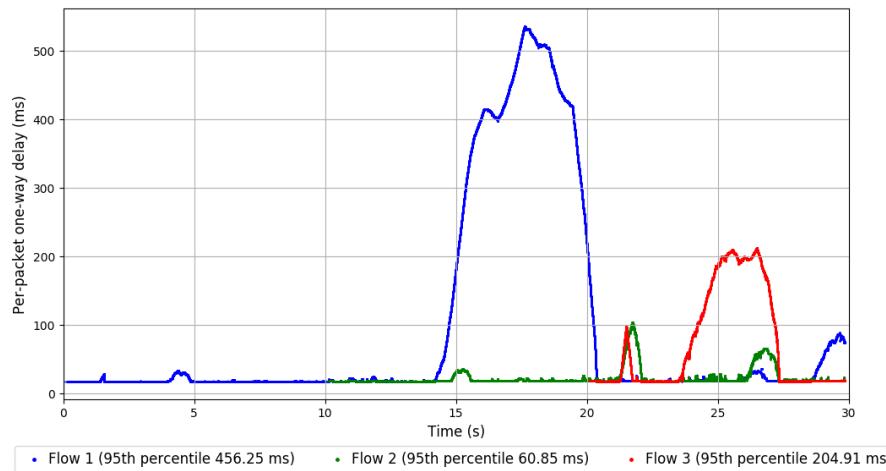
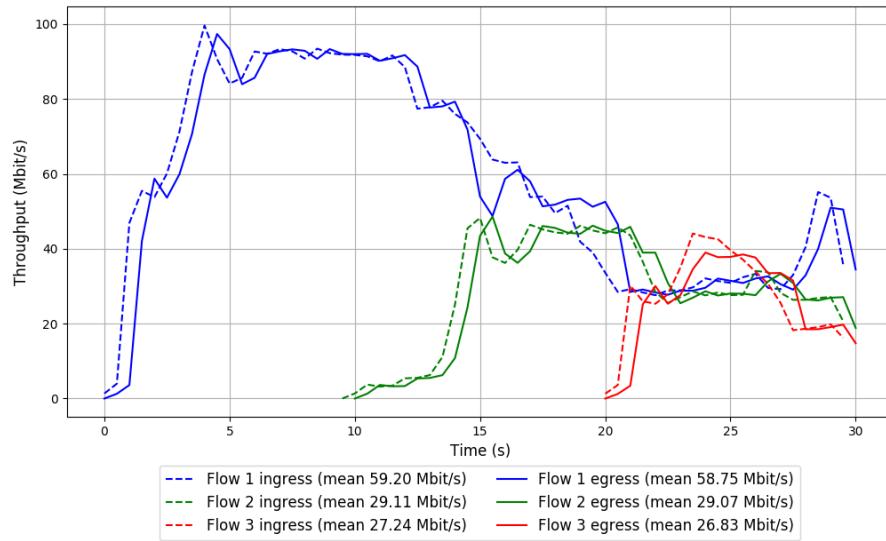


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-12-11 16:27:01
End at: 2019-12-11 16:27:31
Local clock offset: 4.024 ms
Remote clock offset: -6.582 ms

# Below is generated by plot.py at 2019-12-11 17:42:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 420.421 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 456.255 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 60.850 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 204.911 ms
Loss rate: 1.95%
```

Run 4: Report of PCC-Vivace — Data Link

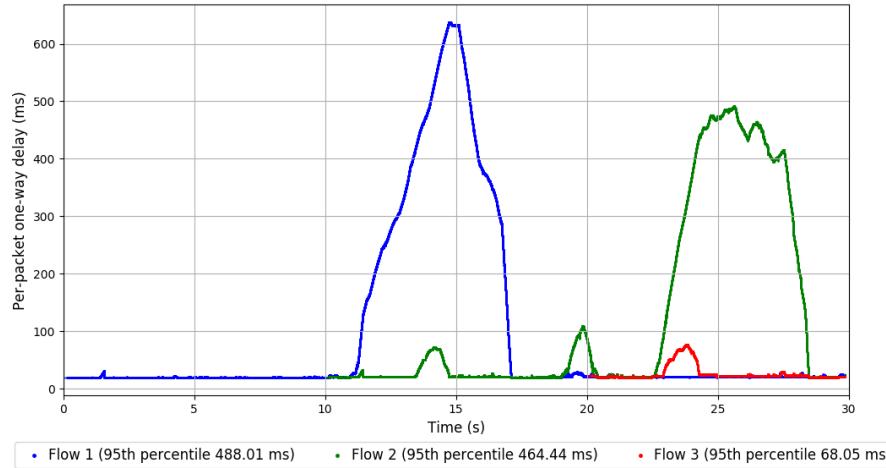
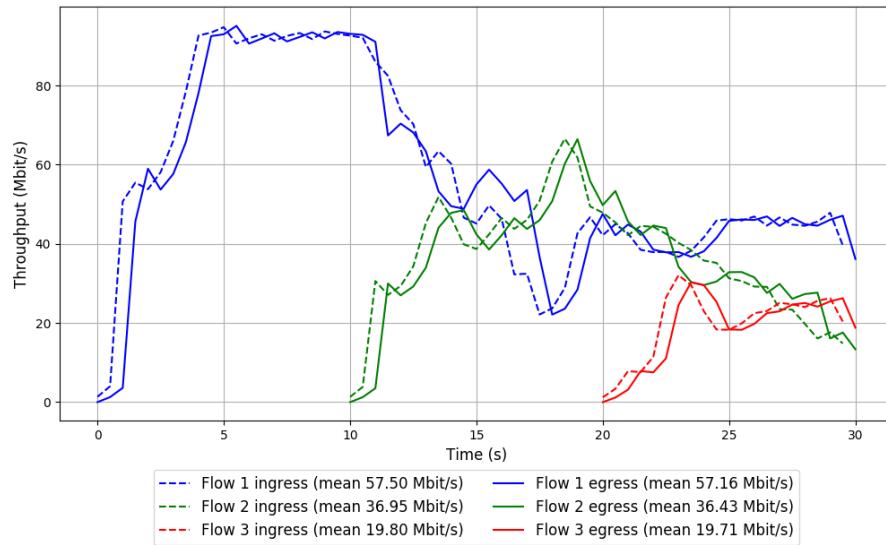


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-12-11 16:58:07
End at: 2019-12-11 16:58:37
Local clock offset: 4.661 ms
Remote clock offset: -4.098 ms

# Below is generated by plot.py at 2019-12-11 17:42:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 467.815 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 488.012 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 464.437 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 68.052 ms
Loss rate: 0.98%
```

Run 5: Report of PCC-Vivace — Data Link

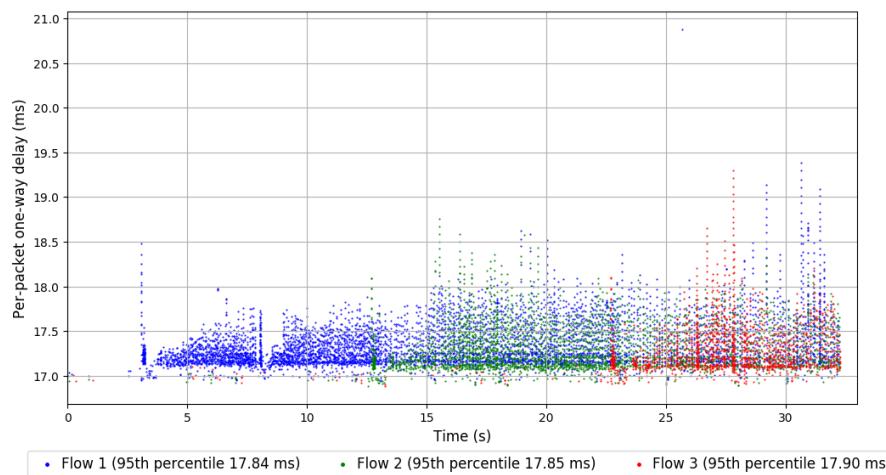
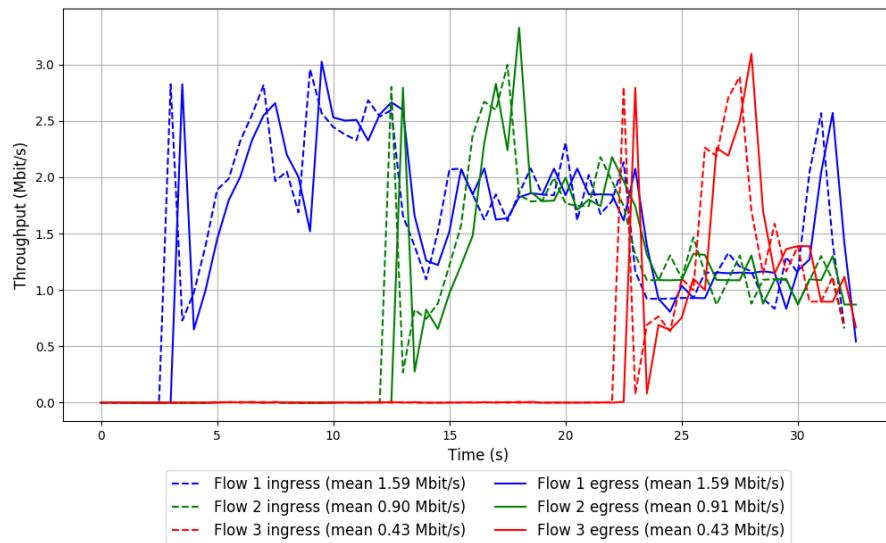


```
Run 1: Statistics of WebRTC media

Start at: 2019-12-11 15:09:29
End at: 2019-12-11 15:09:59
Local clock offset: 0.011 ms
Remote clock offset: -9.597 ms

# Below is generated by plot.py at 2019-12-11 17:42:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 17.855 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 17.842 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 17.854 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.900 ms
Loss rate: 0.01%
```

Run 1: Report of WebRTC media — Data Link

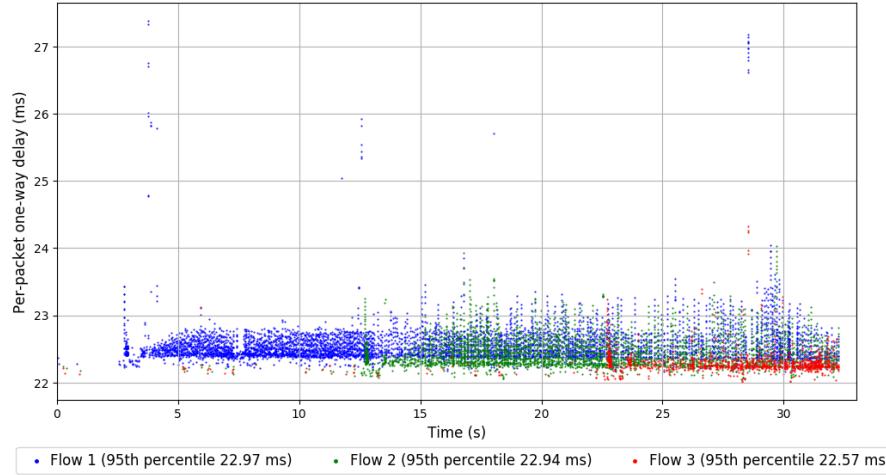
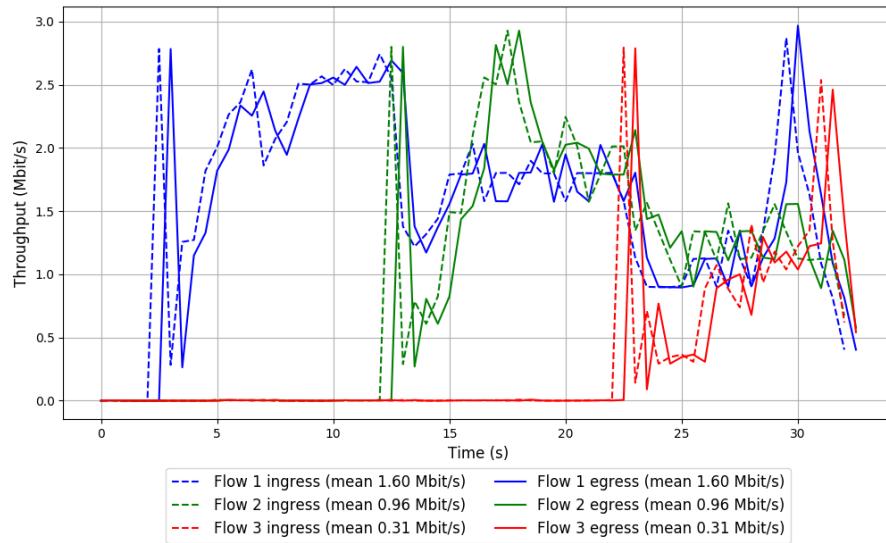


Run 2: Statistics of WebRTC media

```
Start at: 2019-12-11 15:40:09
End at: 2019-12-11 15:40:39
Local clock offset: 4.624 ms
Remote clock offset: -10.544 ms

# Below is generated by plot.py at 2019-12-11 17:42:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 22.943 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 22.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 22.941 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 22.571 ms
Loss rate: 0.39%
```

Run 2: Report of WebRTC media — Data Link

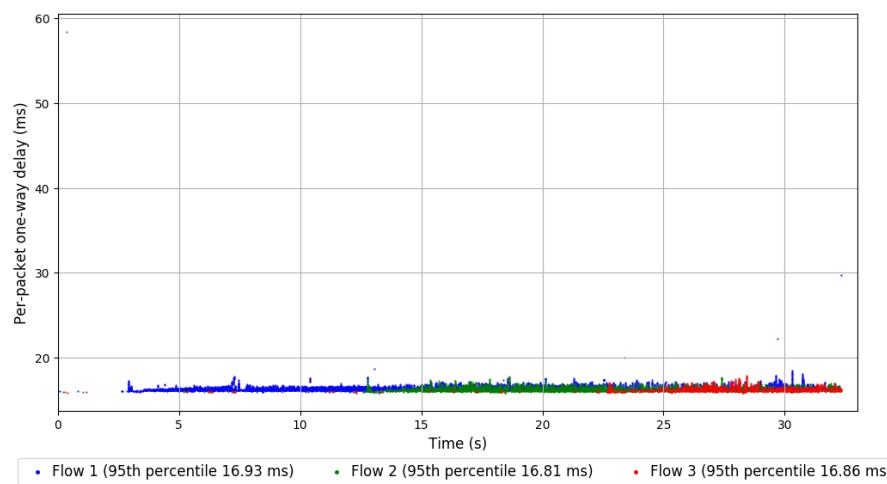
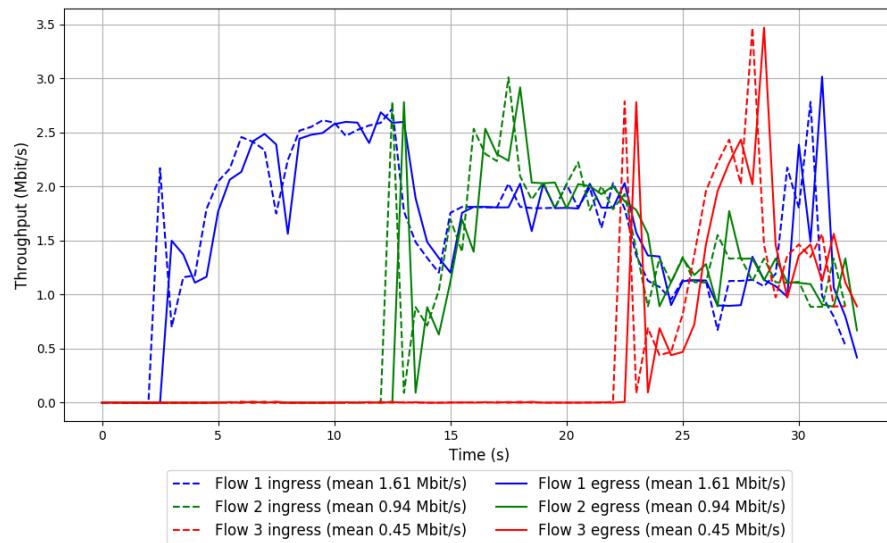


Run 3: Statistics of WebRTC media

```
Start at: 2019-12-11 16:10:20
End at: 2019-12-11 16:10:50
Local clock offset: 1.691 ms
Remote clock offset: -7.786 ms

# Below is generated by plot.py at 2019-12-11 17:42:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 16.869 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 16.926 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 16.810 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 16.862 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

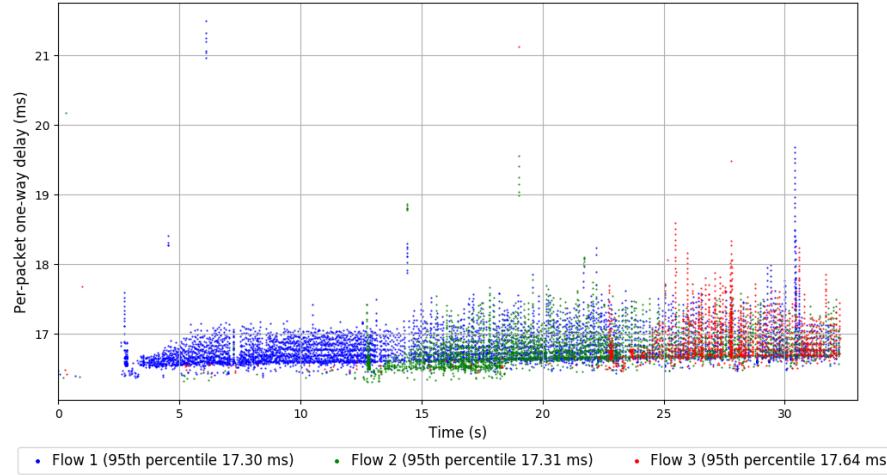
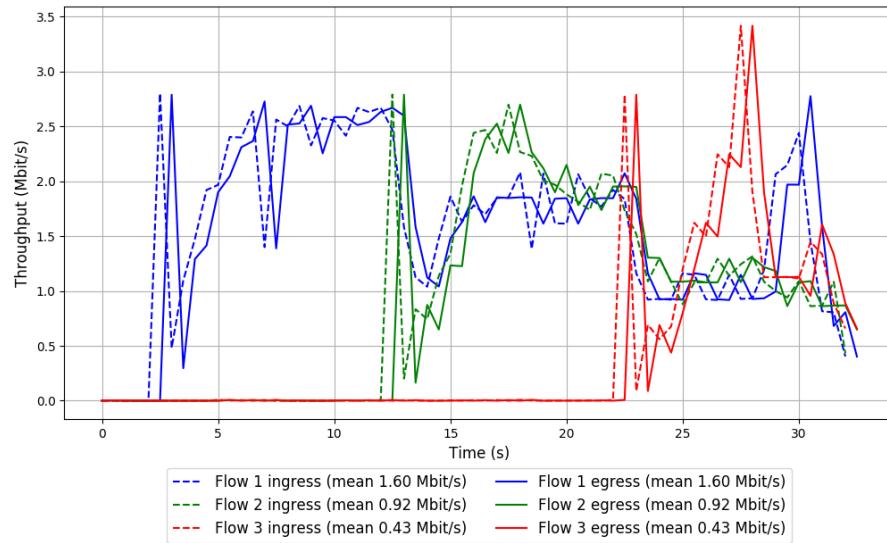


Run 4: Statistics of WebRTC media

```
Start at: 2019-12-11 16:41:34
End at: 2019-12-11 16:42:04
Local clock offset: 1.315 ms
Remote clock offset: -6.247 ms

# Below is generated by plot.py at 2019-12-11 17:42:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 17.367 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 17.304 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 17.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.644 ms
Loss rate: 0.01%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-12-11 17:12:25
End at: 2019-12-11 17:12:55
Local clock offset: 4.99 ms
Remote clock offset: -7.225 ms

# Below is generated by plot.py at 2019-12-11 17:42:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 23.901 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 23.891 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 23.888 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 23.954 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

