

Pantheon Report

Generated at 2019-07-18 13:22:07 (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.

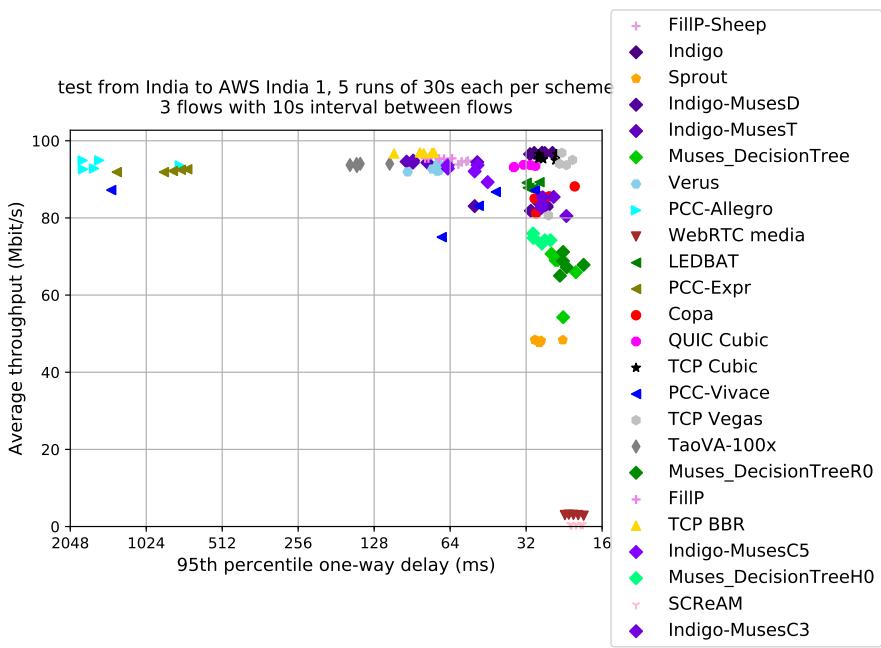
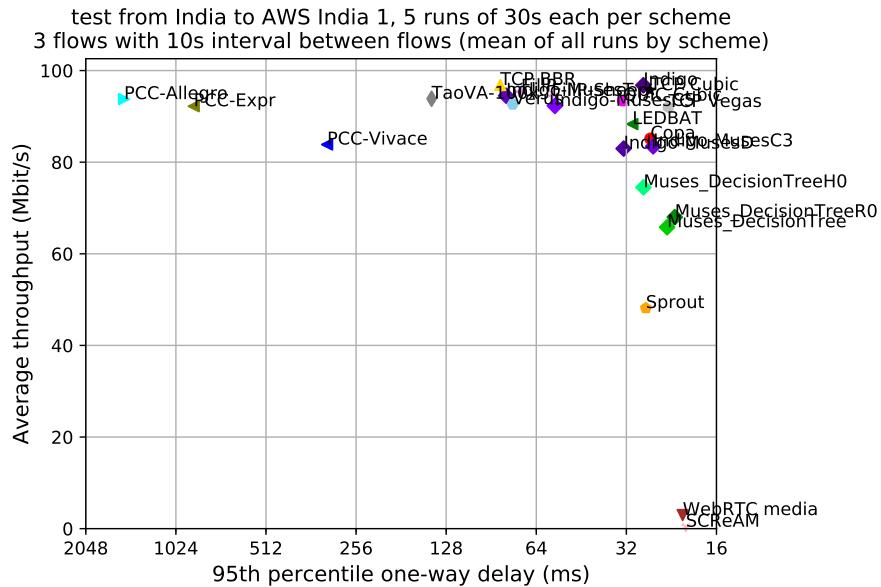
System info:

```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

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



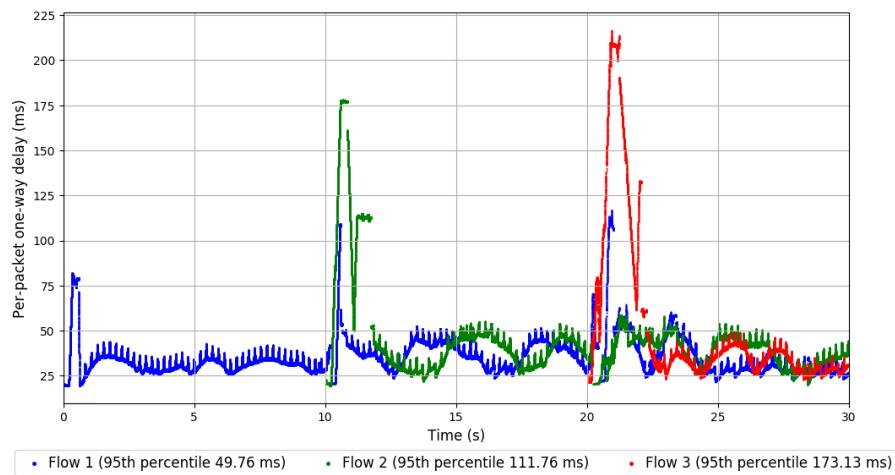
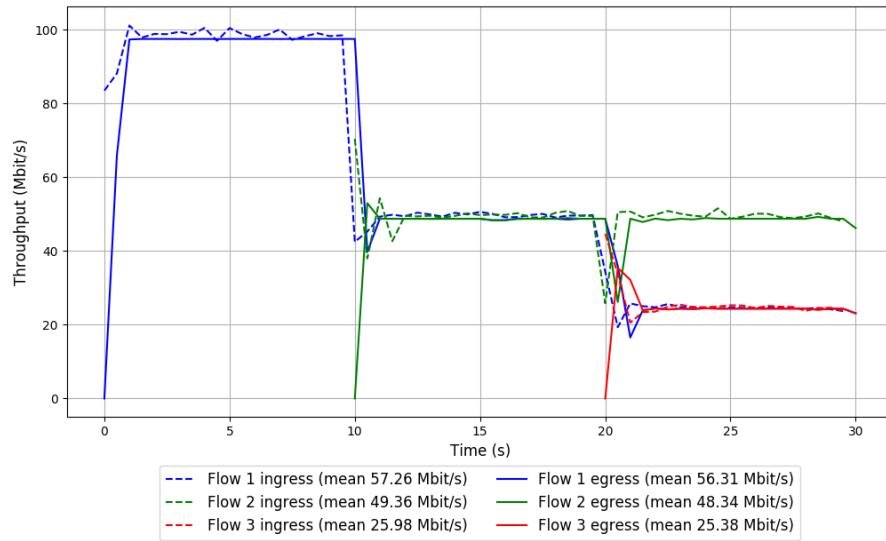
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	57.83	43.65	29.99	45.96	105.90	207.56	1.25	1.48	2.11
Copa	5	49.97	38.15	29.35	27.04	26.39	26.73	0.04	0.15	0.28
TCP Cubic	5	57.08	41.17	33.81	26.45	26.86	27.06	0.06	0.14	0.35
FillP	5	56.14	41.20	35.68	59.76	78.17	68.81	0.36	1.96	1.84
FillP-Sheep	5	56.68	40.30	33.02	54.36	58.97	71.54	0.15	0.30	0.45
Indigo	5	59.42	40.41	32.02	27.12	26.73	26.32	0.11	0.16	0.47
Indigo-MusesC3	5	58.16	30.50	22.99	26.27	24.71	26.29	0.15	0.12	0.32
Indigo-MusesC5	5	59.40	36.36	36.11	49.83	49.86	62.61	0.43	0.51	2.34
Indigo-MusesD	5	50.25	40.09	26.91	27.49	39.36	35.44	0.07	0.25	0.66
Indigo-MusesT	5	61.27	41.32	26.42	70.04	77.09	97.41	0.65	1.02	2.95
LEDBAT	5	52.78	37.43	31.97	29.94	31.39	31.77	0.07	0.17	0.40
Muses_DecisionTree	5	46.00	25.13	10.03	22.80	23.50	31.41	0.02	0.06	0.21
Muses_DecisionTreeH0	5	50.60	29.83	13.15	26.81	30.36	25.03	0.03	0.11	0.20
Muses_DecisionTreeR0	5	51.15	21.47	8.48	21.86	21.81	31.74	0.02	0.05	0.26
PCC-Allegro	5	65.55	34.50	16.05	1532.95	795.07	25.61	8.85	6.05	0.50
PCC-Expr	5	58.70	36.16	28.71	821.70	812.93	229.20	32.32	9.89	2.53
QUIC Cubic	5	57.64	36.82	34.16	32.90	31.63	42.69	0.10	0.19	0.47
SCReAM	5	0.21	0.21	0.21	20.23	20.25	20.24	0.10	0.19	0.28
Sprout	5	24.29	24.18	23.62	26.79	27.87	28.19	0.11	0.15	0.34
TaoVA-100x	5	56.01	38.18	37.40	143.05	166.04	113.35	0.64	1.18	2.82
TCP Vegas	5	56.99	37.86	29.68	23.27	22.48	23.50	0.08	0.13	0.29
Verus	5	55.92	39.36	31.74	75.84	90.48	108.63	0.22	0.39	0.86
PCC-Vivace	5	50.13	37.93	25.79	65.98	359.39	30.98	0.14	2.01	0.55
WebRTC media	5	1.62	0.95	0.40	20.69	20.74	20.63	0.03	0.07	0.27

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-18 10:39:04
End at: 2019-07-18 10:39:34
Local clock offset: 0.423 ms
Remote clock offset: -6.626 ms

# Below is generated by plot.py at 2019-07-18 13:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 74.217 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 49.762 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 111.757 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 173.135 ms
Loss rate: 2.56%
```

Run 1: Report of TCP BBR — Data Link

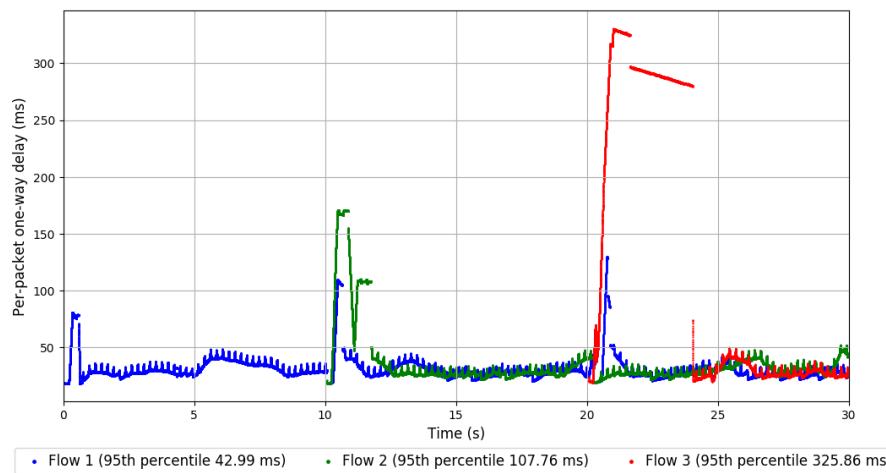
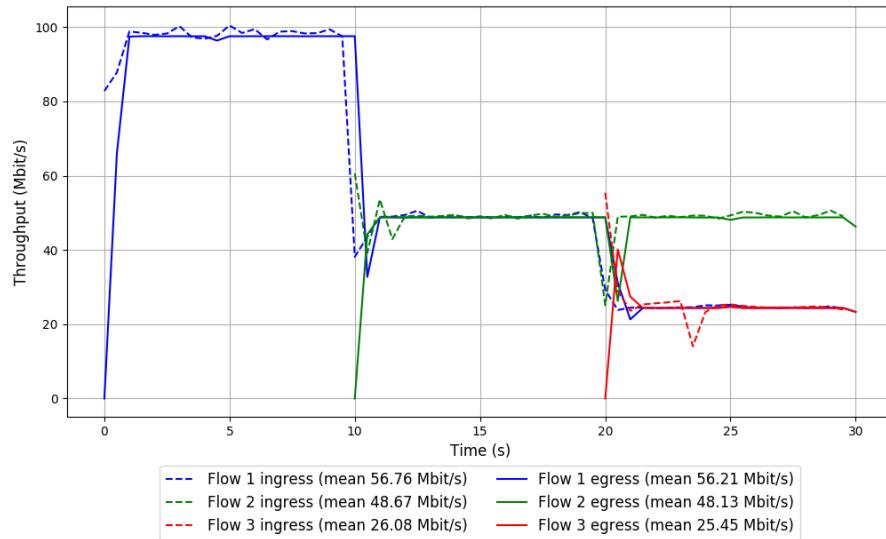


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-18 11:08:07
End at: 2019-07-18 11:08:37
Local clock offset: -0.533 ms
Remote clock offset: -4.359 ms

# Below is generated by plot.py at 2019-07-18 13:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 106.728 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 42.993 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 107.756 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 325.863 ms
Loss rate: 2.74%
```

Run 2: Report of TCP BBR — Data Link

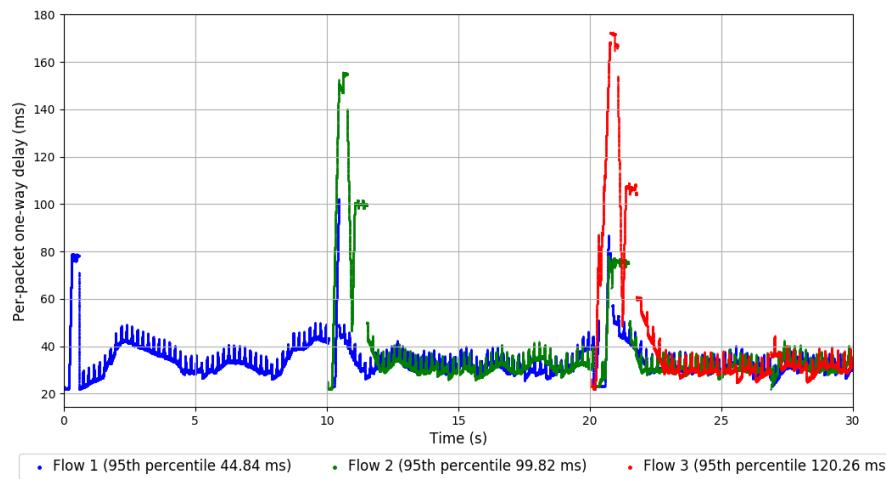
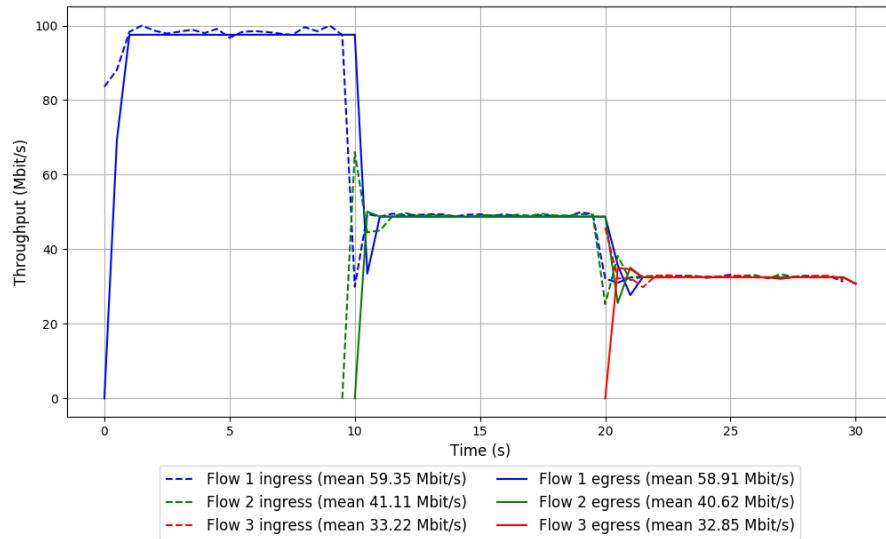


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-18 11:37:19
End at: 2019-07-18 11:37:49
Local clock offset: 4.512 ms
Remote clock offset: -5.104 ms

# Below is generated by plot.py at 2019-07-18 13:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 75.595 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 44.843 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 99.819 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 120.258 ms
Loss rate: 1.42%
```

Run 3: Report of TCP BBR — Data Link

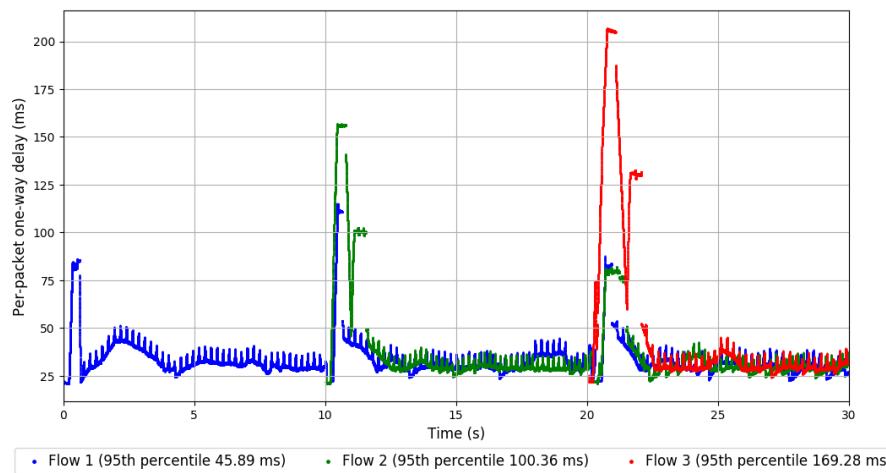
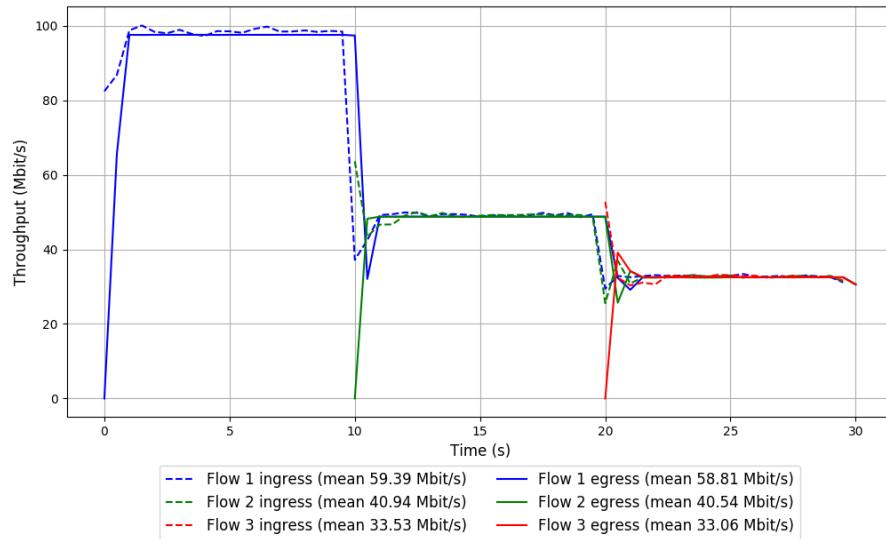


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-18 12:06:34
End at: 2019-07-18 12:07:04
Local clock offset: 4.131 ms
Remote clock offset: -2.941 ms

# Below is generated by plot.py at 2019-07-18 13:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 81.412 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 45.894 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 100.355 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 169.280 ms
Loss rate: 1.71%
```

Run 4: Report of TCP BBR — Data Link

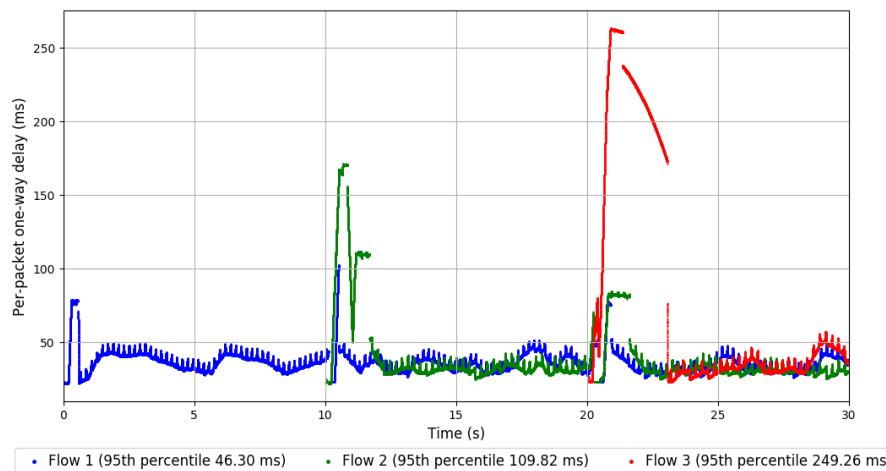
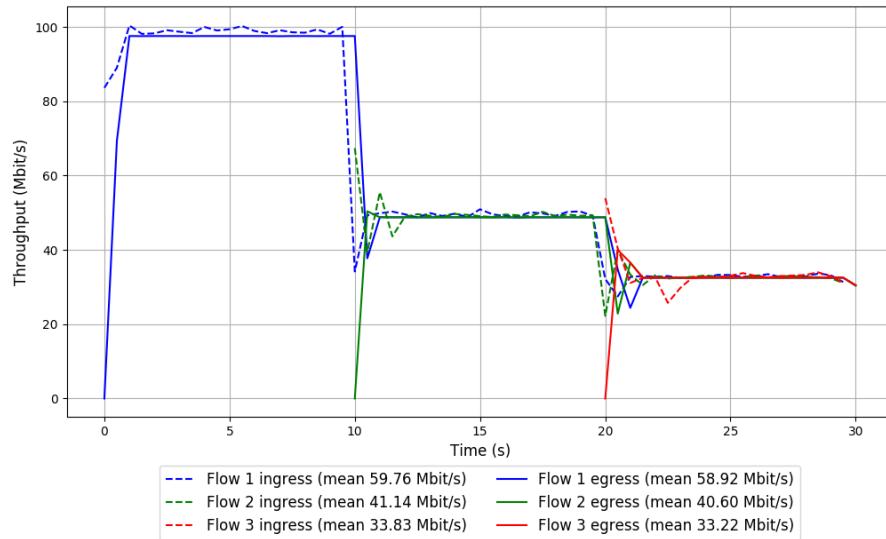


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-18 12:35:37
End at: 2019-07-18 12:36:07
Local clock offset: 4.352 ms
Remote clock offset: -2.574 ms

# Below is generated by plot.py at 2019-07-18 13:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 84.350 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 46.303 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 109.819 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 249.258 ms
Loss rate: 2.11%
```

Run 5: Report of TCP BBR — Data Link

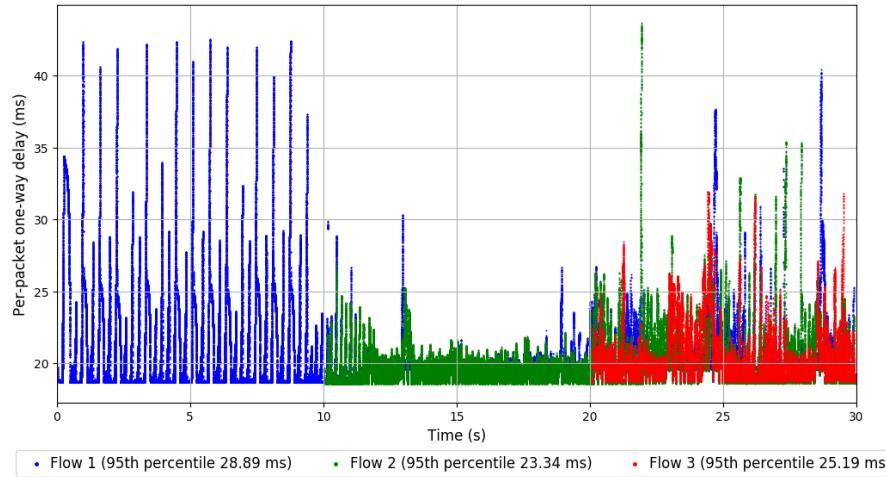
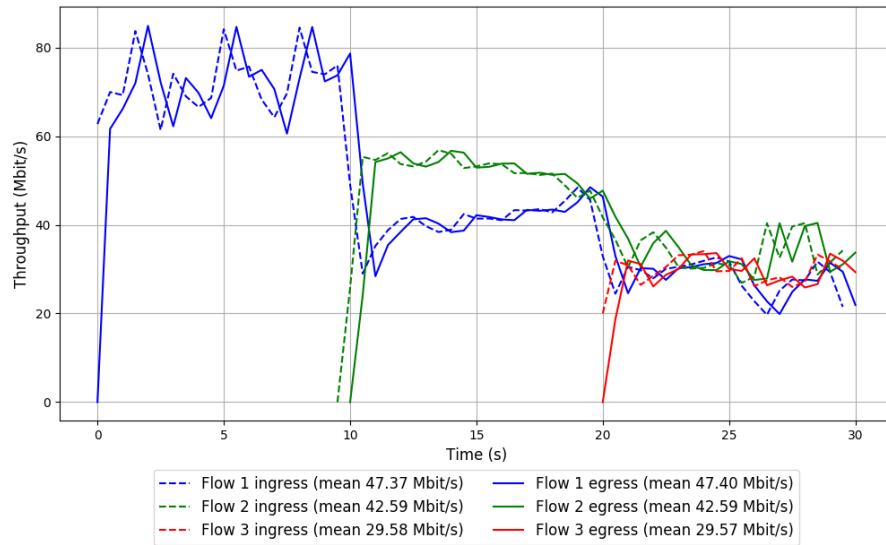


Run 1: Statistics of Copa

```
Start at: 2019-07-18 10:46:23
End at: 2019-07-18 10:46:54
Local clock offset: -1.138 ms
Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2019-07-18 13:07:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 25.909 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 28.893 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 23.341 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 25.191 ms
Loss rate: 0.32%
```

Run 1: Report of Copa — Data Link

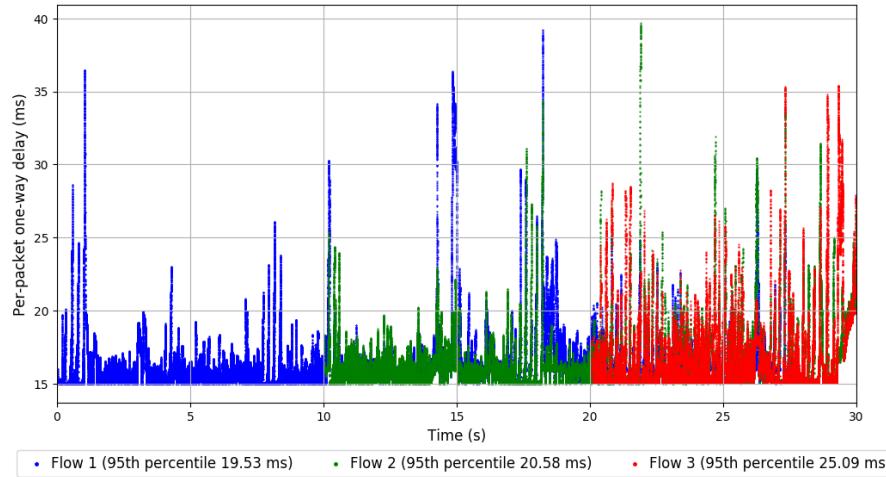
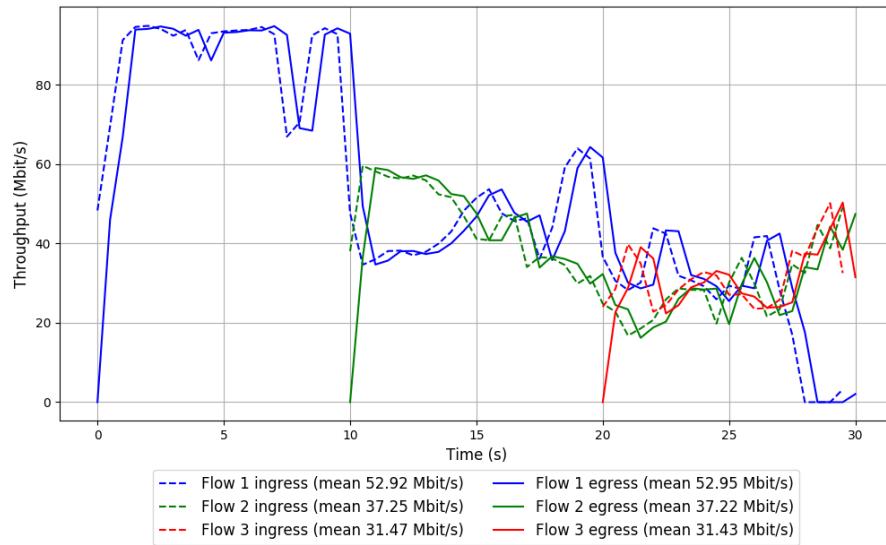


Run 2: Statistics of Copa

```
Start at: 2019-07-18 11:15:28
End at: 2019-07-18 11:15:58
Local clock offset: -1.285 ms
Remote clock offset: -3.063 ms

# Below is generated by plot.py at 2019-07-18 13:07:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 20.539 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 19.529 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 20.582 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 25.093 ms
Loss rate: 0.37%
```

Run 2: Report of Copa — Data Link

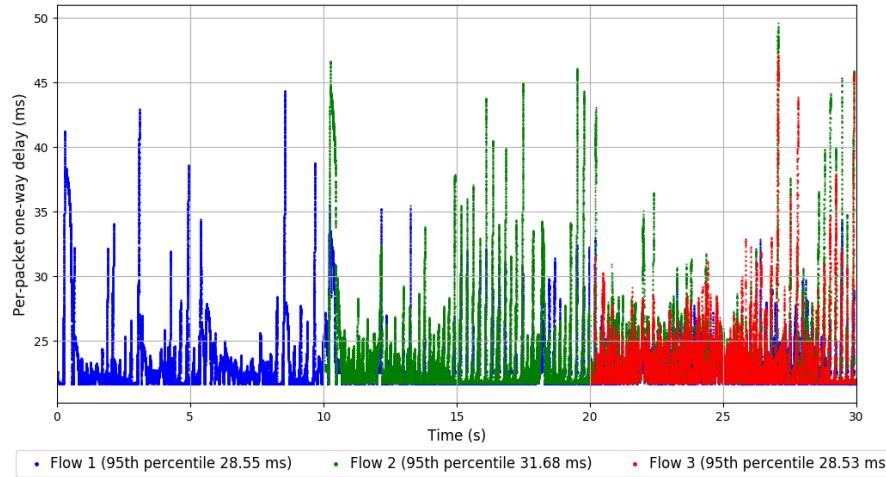
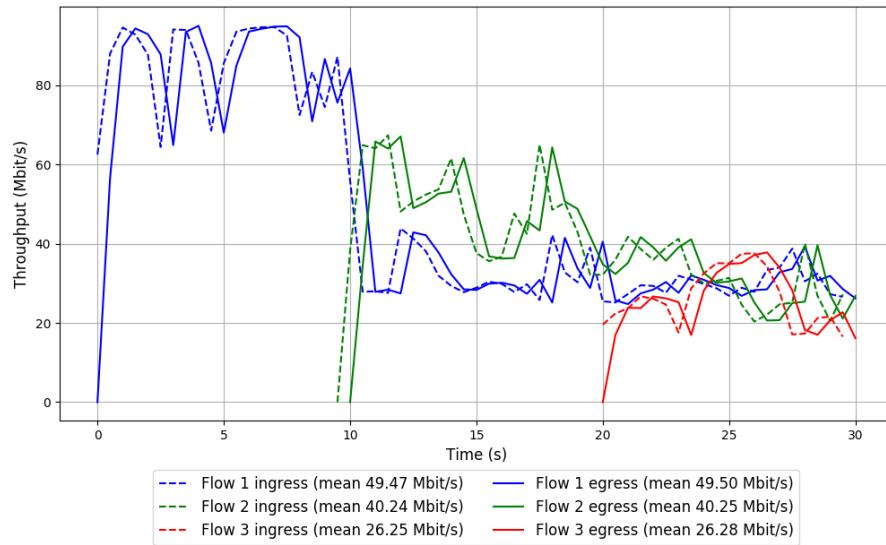


Run 3: Statistics of Copa

```
Start at: 2019-07-18 11:44:34
End at: 2019-07-18 11:45:04
Local clock offset: 4.857 ms
Remote clock offset: -5.002 ms

# Below is generated by plot.py at 2019-07-18 13:07:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 29.623 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 28.553 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 31.678 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.28 Mbit/s
95th percentile per-packet one-way delay: 28.527 ms
Loss rate: 0.14%
```

Run 3: Report of Copa — Data Link

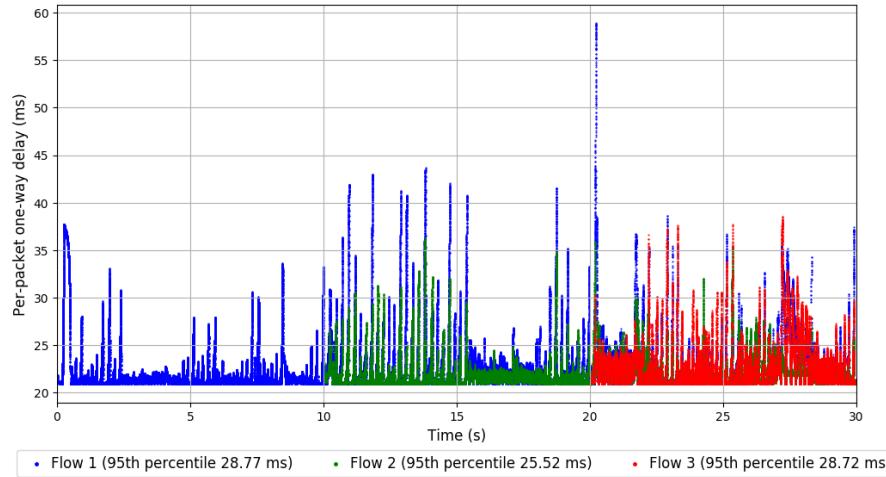
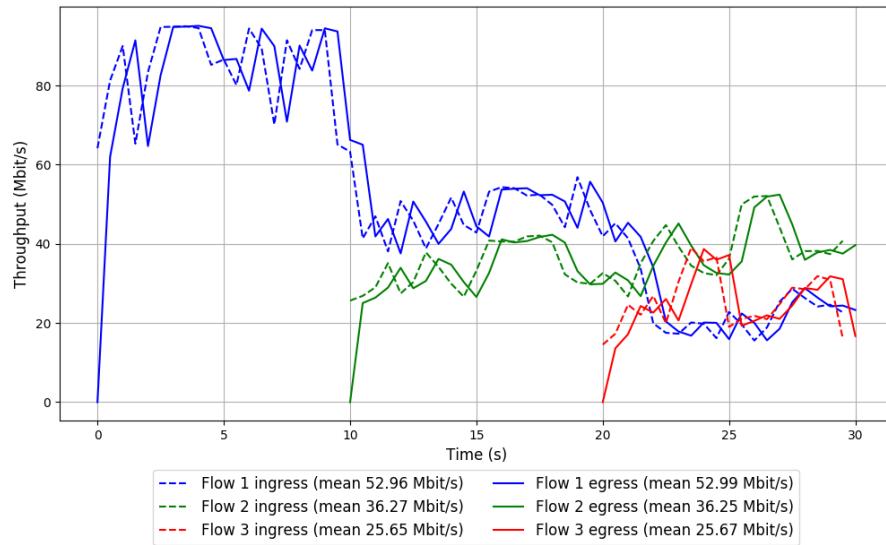


Run 4: Statistics of Copa

```
Start at: 2019-07-18 12:13:54
End at: 2019-07-18 12:14:24
Local clock offset: 4.29 ms
Remote clock offset: -2.898 ms

# Below is generated by plot.py at 2019-07-18 13:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 27.711 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 28.770 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 25.523 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 28.716 ms
Loss rate: 0.17%
```

Run 4: Report of Copa — Data Link

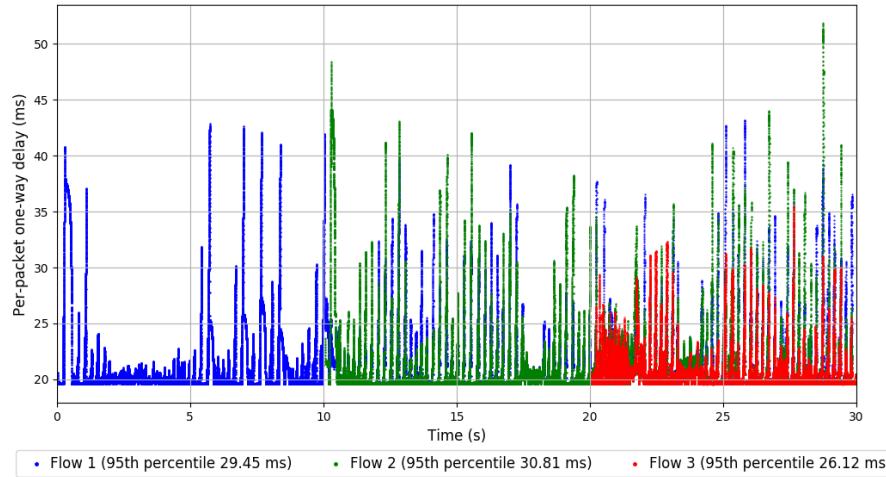
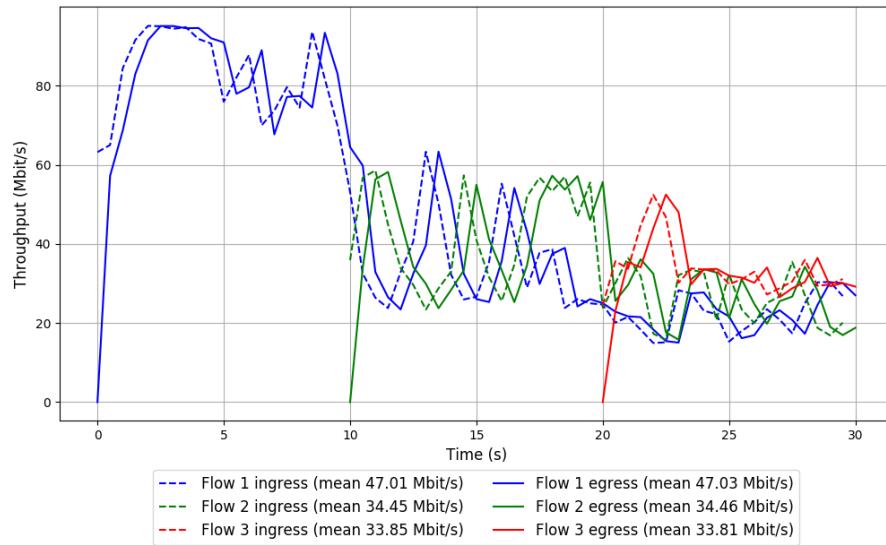


Run 5: Statistics of Copa

```
Start at: 2019-07-18 12:42:53
End at: 2019-07-18 12:43:23
Local clock offset: 3.6 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at 2019-07-18 13:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.20 Mbit/s
95th percentile per-packet one-way delay: 29.206 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 29.452 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 30.808 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 26.124 ms
Loss rate: 0.39%
```

Run 5: Report of Copa — Data Link

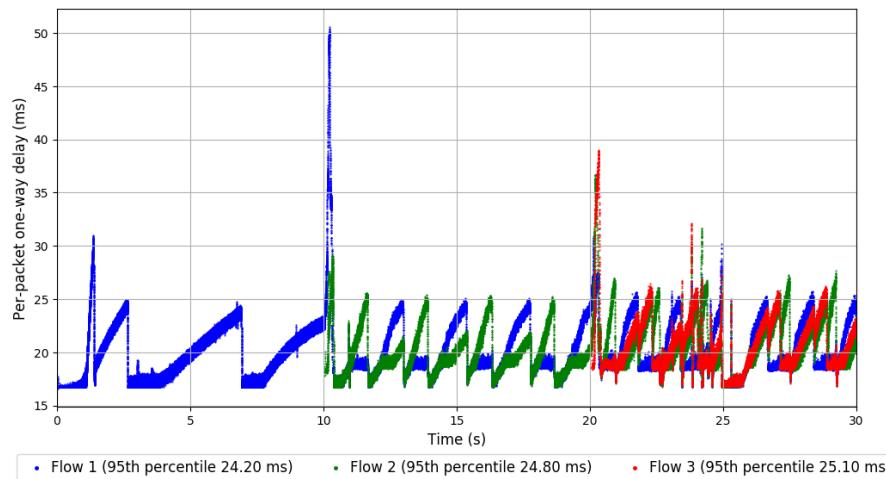
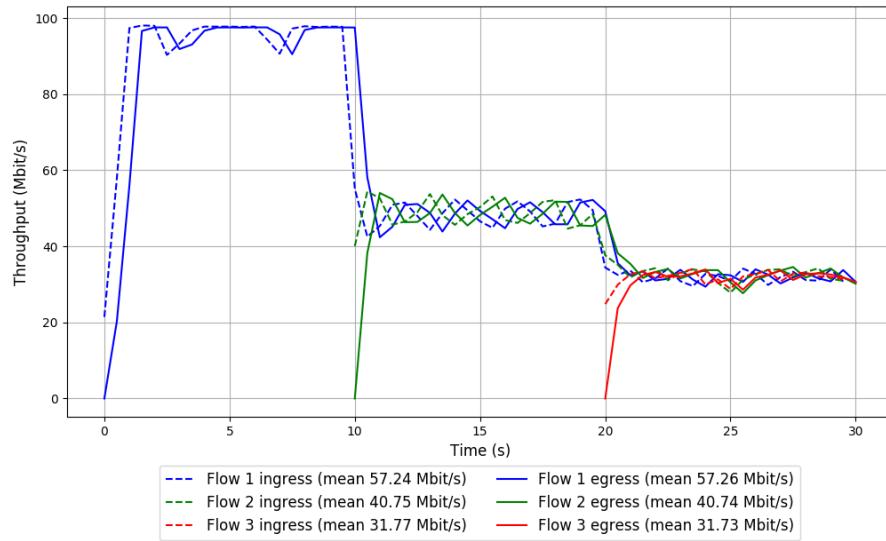


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-18 10:44:01
End at: 2019-07-18 10:44:31
Local clock offset: -1.017 ms
Remote clock offset: -4.632 ms

# Below is generated by plot.py at 2019-07-18 13:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 24.488 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 24.196 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 24.800 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 25.104 ms
Loss rate: 0.39%
```

Run 1: Report of TCP Cubic — Data Link

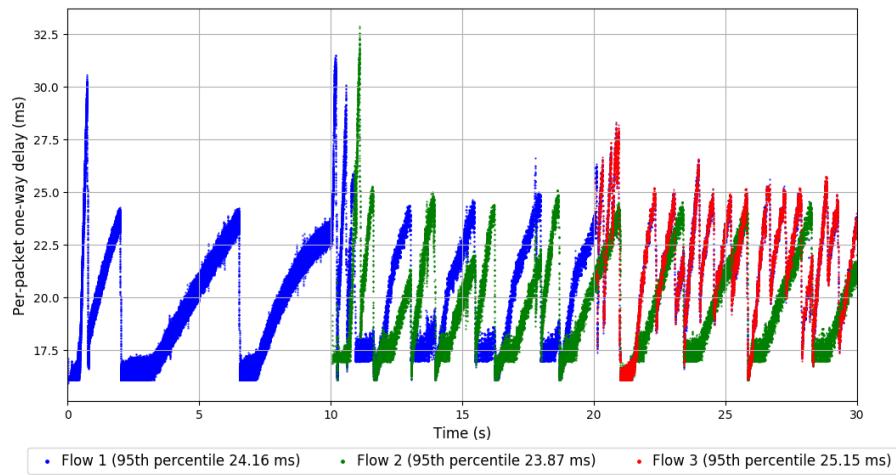
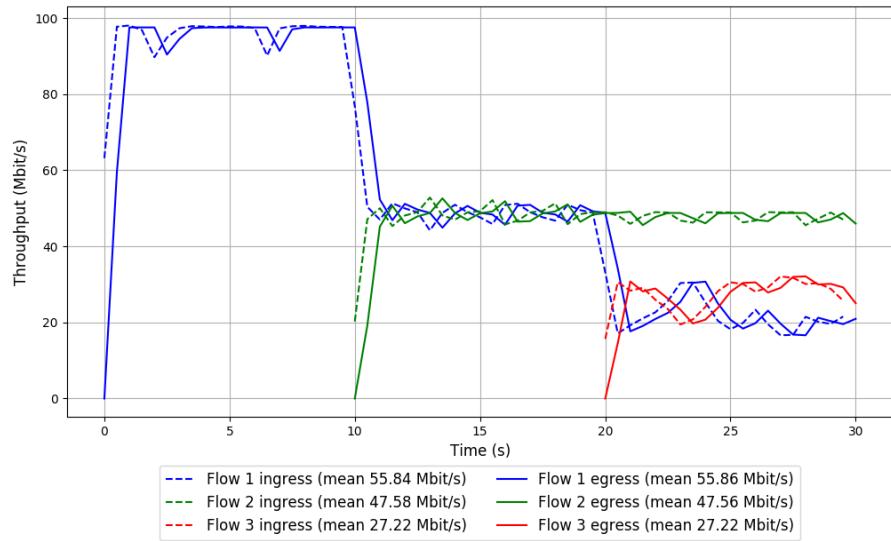


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-18 11:13:05
End at: 2019-07-18 11:13:35
Local clock offset: -1.224 ms
Remote clock offset: -3.034 ms

# Below is generated by plot.py at 2019-07-18 13:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 24.236 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 24.159 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 23.870 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 25.147 ms
Loss rate: 0.34%
```

Run 2: Report of TCP Cubic — Data Link

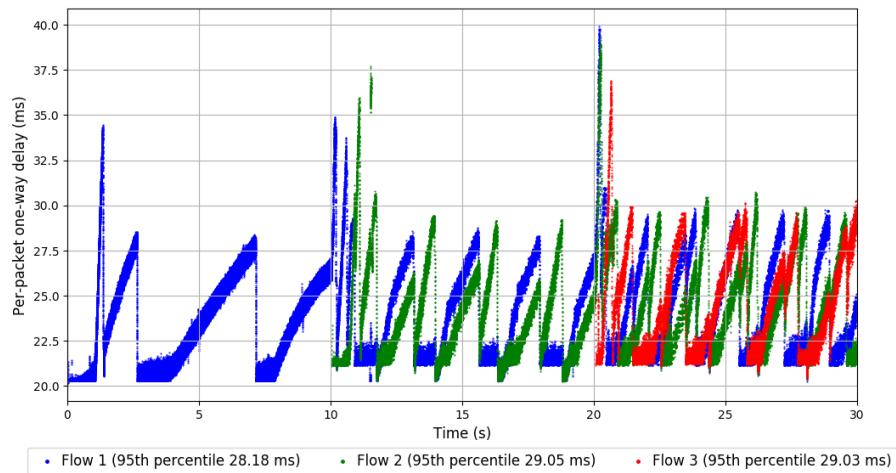
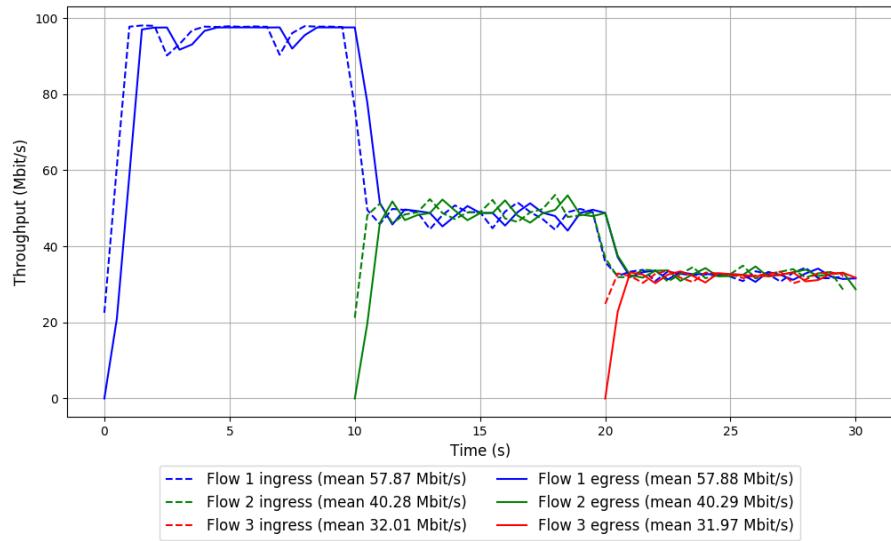


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-18 11:42:11
End at: 2019-07-18 11:42:41
Local clock offset: 4.769 ms
Remote clock offset: -3.525 ms

# Below is generated by plot.py at 2019-07-18 13:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 28.644 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 28.175 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 29.045 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 29.030 ms
Loss rate: 0.41%
```

Run 3: Report of TCP Cubic — Data Link

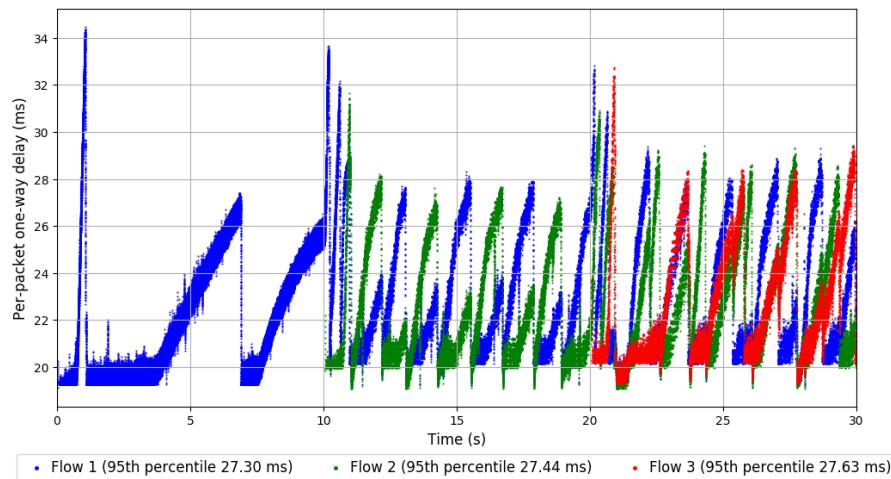
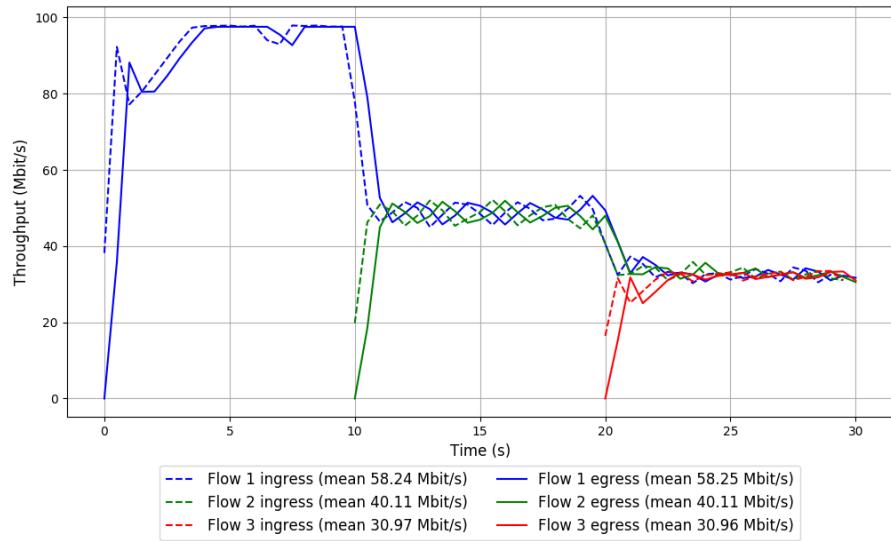


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-18 12:11:31
End at: 2019-07-18 12:12:01
Local clock offset: 3.258 ms
Remote clock offset: -2.163 ms

# Below is generated by plot.py at 2019-07-18 13:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 27.396 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 27.305 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 27.436 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 27.630 ms
Loss rate: 0.31%
```

Run 4: Report of TCP Cubic — Data Link

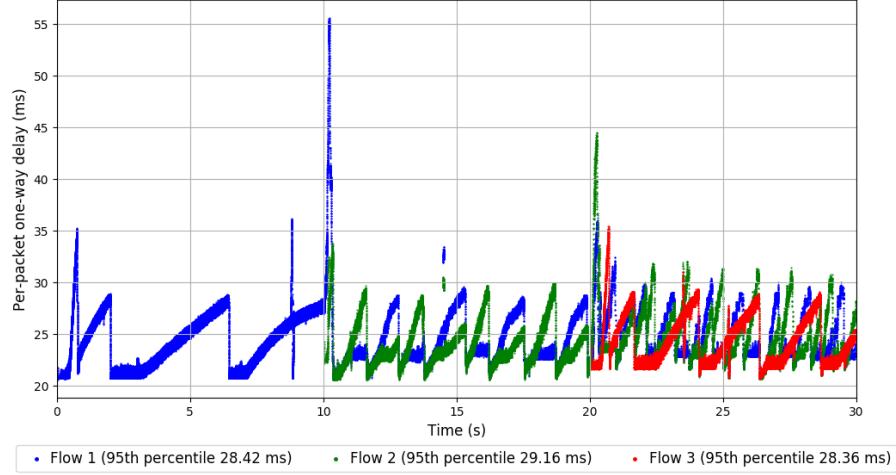
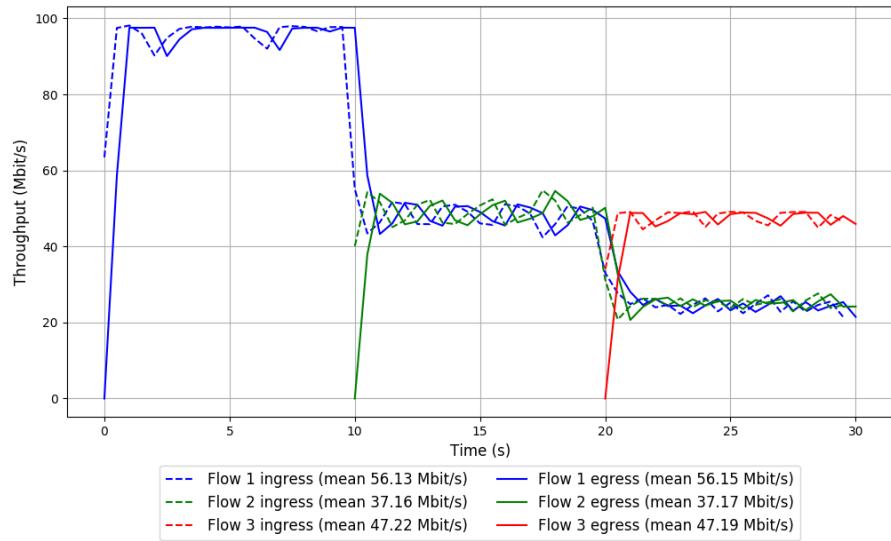


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-18 12:40:29
End at: 2019-07-18 12:40:59
Local clock offset: 3.233 ms
Remote clock offset: -1.894 ms

# Below is generated by plot.py at 2019-07-18 13:08:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 28.554 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 28.416 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 29.160 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 28.365 ms
Loss rate: 0.31%
```

Run 5: Report of TCP Cubic — Data Link

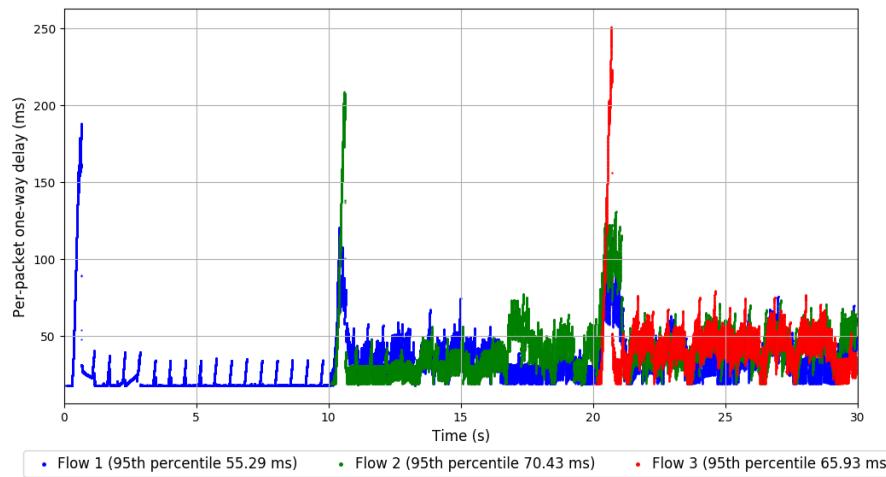
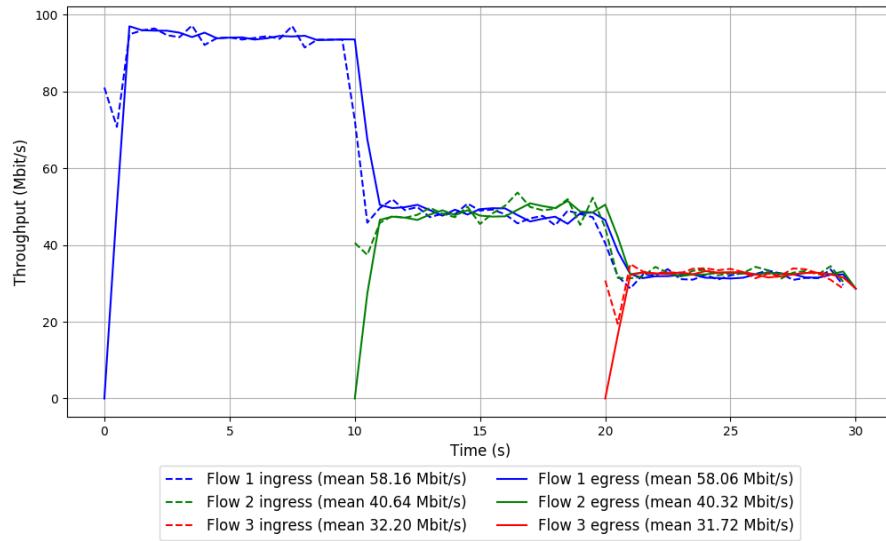


```
Run 1: Statistics of FillP
```

```
Start at: 2019-07-18 10:42:50
End at: 2019-07-18 10:43:20
Local clock offset: -0.481 ms
Remote clock offset: -5.227 ms

# Below is generated by plot.py at 2019-07-18 13:09:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 62.896 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 55.292 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 70.430 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 65.931 ms
Loss rate: 1.60%
```

Run 1: Report of FillP — Data Link

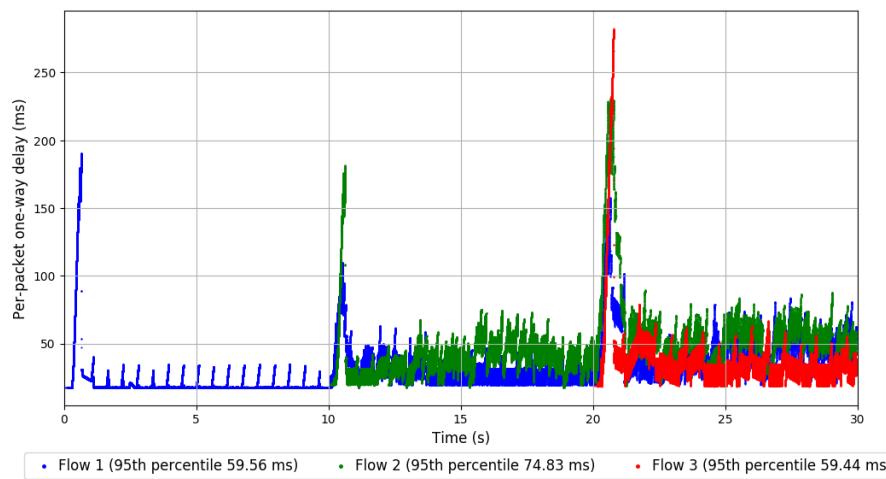
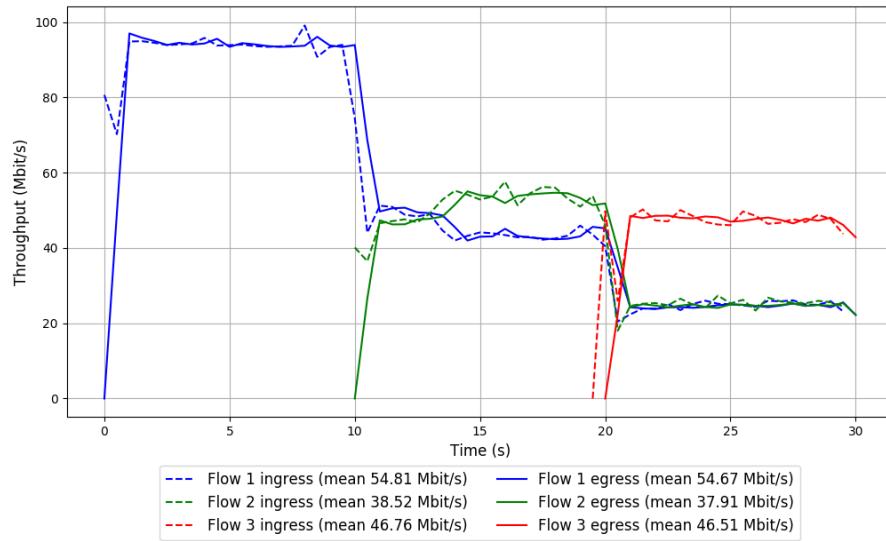


Run 2: Statistics of FillP

```
Start at: 2019-07-18 11:11:52
End at: 2019-07-18 11:12:22
Local clock offset: -0.567 ms
Remote clock offset: -4.037 ms

# Below is generated by plot.py at 2019-07-18 13:09:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 67.636 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 59.558 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 74.832 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 59.443 ms
Loss rate: 0.84%
```

Run 2: Report of FillP — Data Link

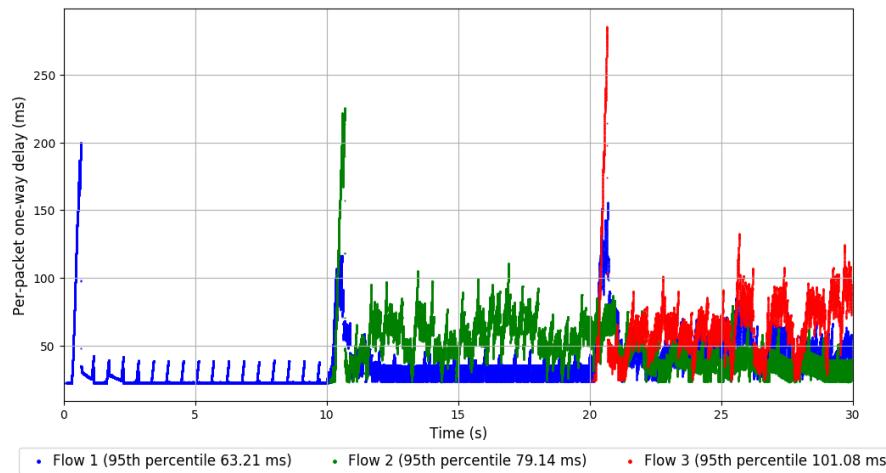
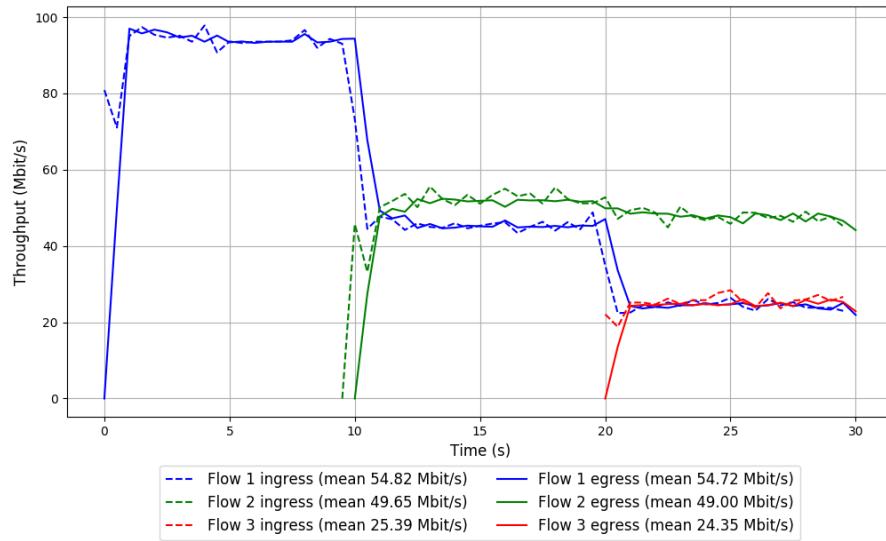


Run 3: Statistics of FillP

```
Start at: 2019-07-18 11:40:59
End at: 2019-07-18 11:41:29
Local clock offset: 4.884 ms
Remote clock offset: -5.632 ms

# Below is generated by plot.py at 2019-07-18 13:09:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 80.379 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 63.213 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 79.140 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 101.080 ms
Loss rate: 4.36%
```

Run 3: Report of FillP — Data Link

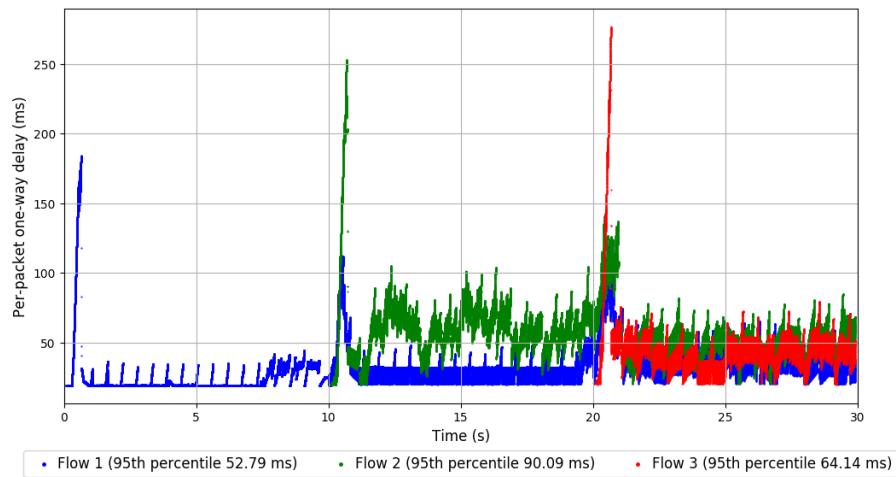
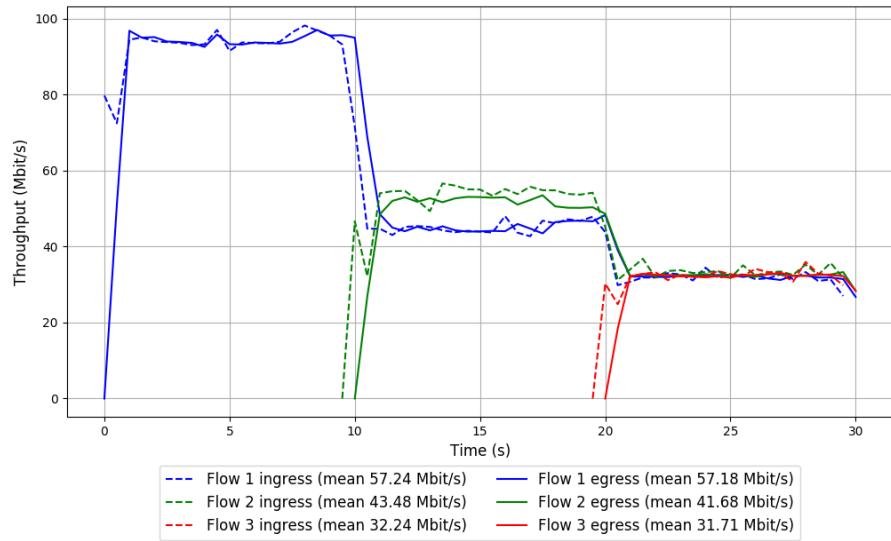


Run 4: Statistics of FillP

```
Start at: 2019-07-18 12:10:20
End at: 2019-07-18 12:10:50
Local clock offset: 4.17 ms
Remote clock offset: -1.145 ms

# Below is generated by plot.py at 2019-07-18 13:09:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 78.001 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 52.794 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 90.095 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 64.139 ms
Loss rate: 1.90%
```

Run 4: Report of FillP — Data Link

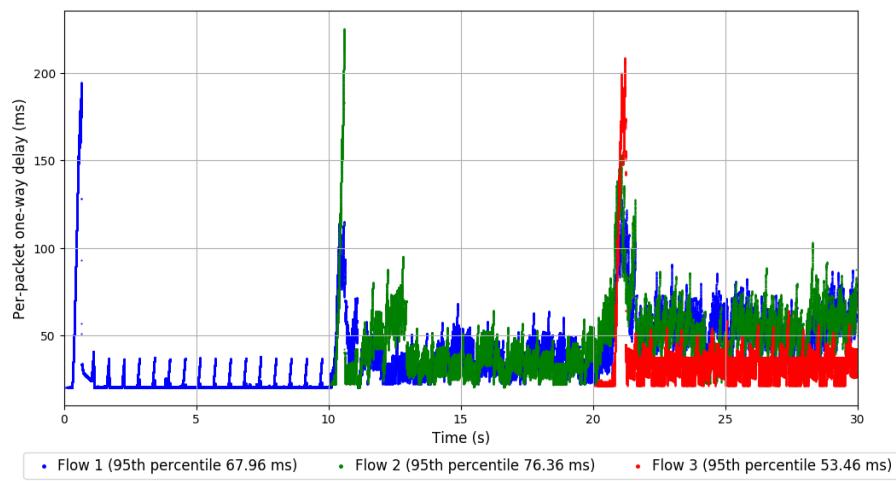
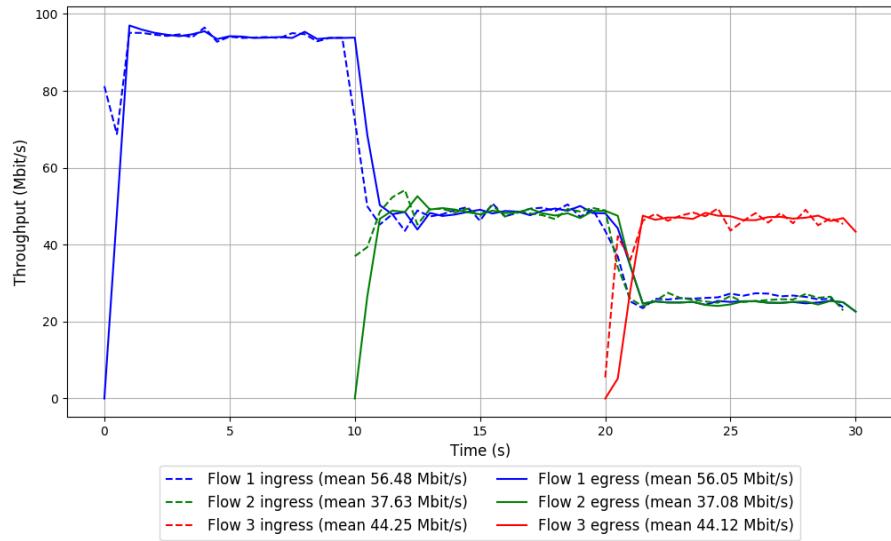


Run 5: Statistics of FillP

```
Start at: 2019-07-18 12:39:18
End at: 2019-07-18 12:39:48
Local clock offset: 4.156 ms
Remote clock offset: -0.82 ms

# Below is generated by plot.py at 2019-07-18 13:10:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 70.993 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 67.959 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 76.364 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 53.459 ms
Loss rate: 0.52%
```

Run 5: Report of FillP — Data Link

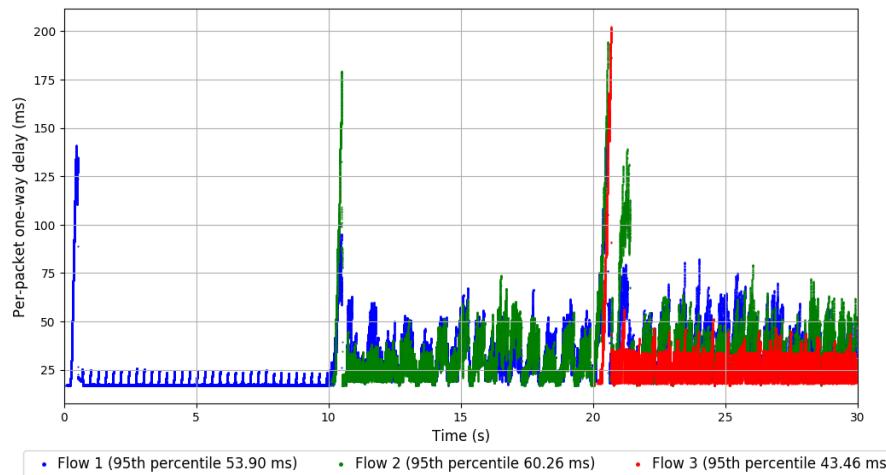
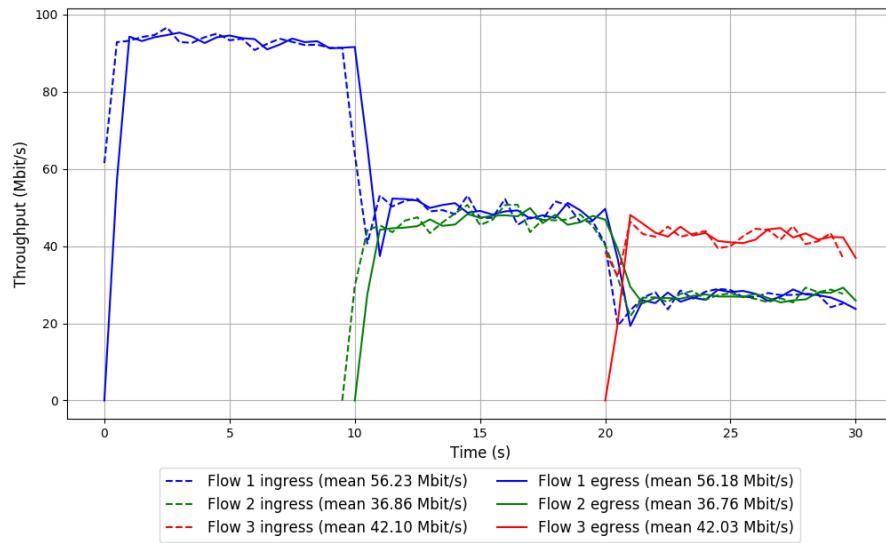


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-07-18 10:58:25
End at: 2019-07-18 10:58:55
Local clock offset: -2.092 ms
Remote clock offset: -5.301 ms

# Below is generated by plot.py at 2019-07-18 13:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 55.231 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 53.899 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 60.259 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 43.462 ms
Loss rate: 0.36%
```

Run 1: Report of FillP-Sheep — Data Link

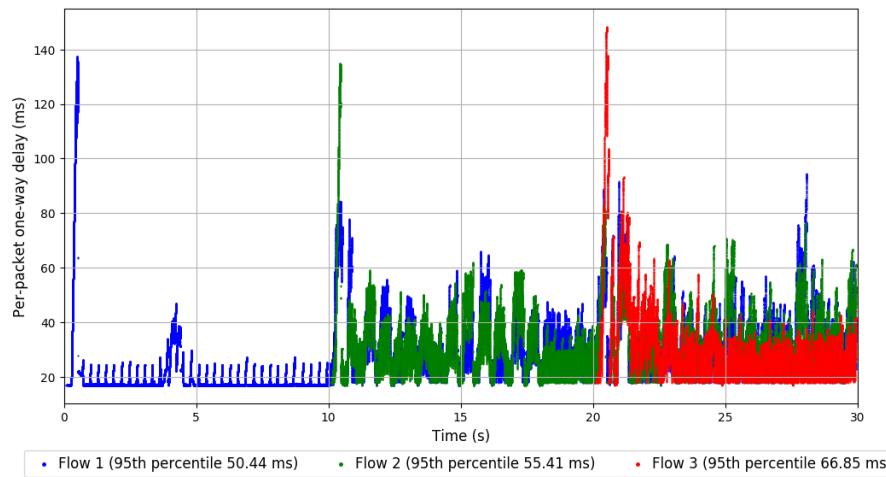
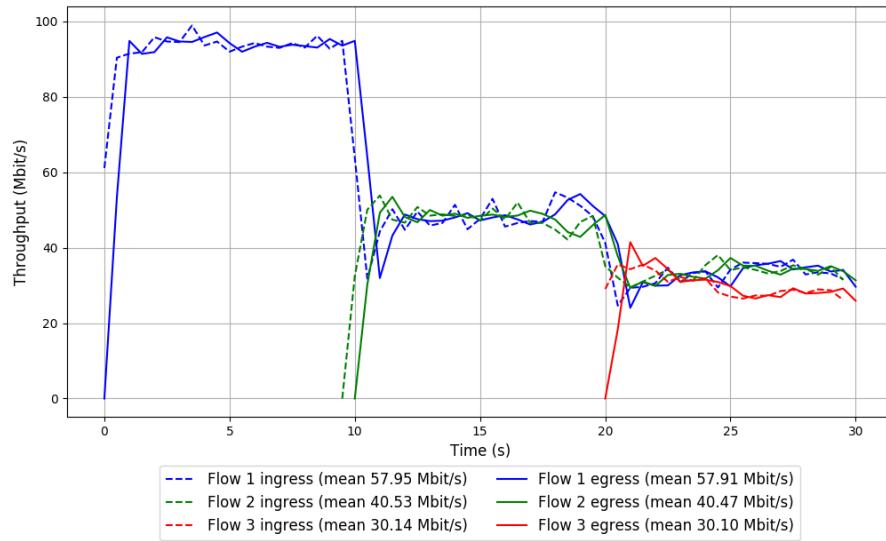


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-18 11:27:43
End at: 2019-07-18 11:28:13
Local clock offset: -0.724 ms
Remote clock offset: -4.0 ms

# Below is generated by plot.py at 2019-07-18 13:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 54.397 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 50.437 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 55.413 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 66.854 ms
Loss rate: 0.39%
```

Run 2: Report of FillP-Sheep — Data Link

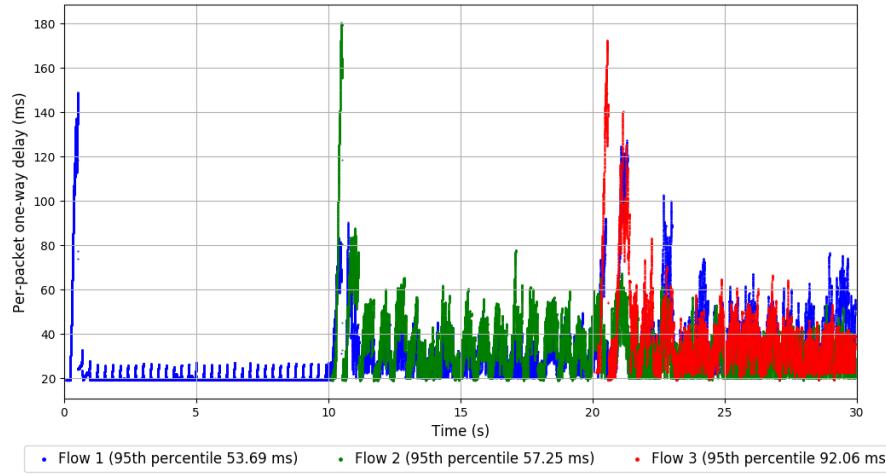
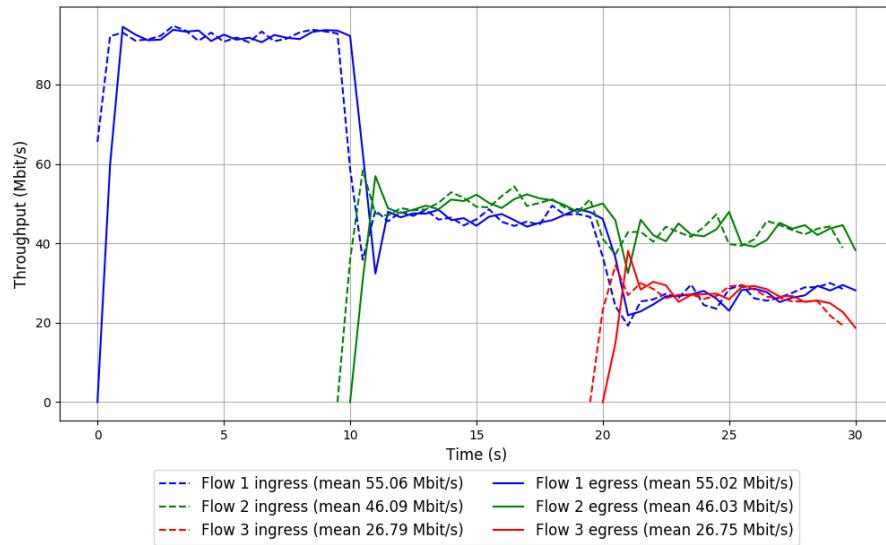


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-18 11:56:41
End at: 2019-07-18 11:57:11
Local clock offset: 3.676 ms
Remote clock offset: -3.259 ms

# Below is generated by plot.py at 2019-07-18 13:10:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 57.700 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 53.691 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 57.249 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 92.058 ms
Loss rate: 0.46%
```

Run 3: Report of FillP-Sheep — Data Link

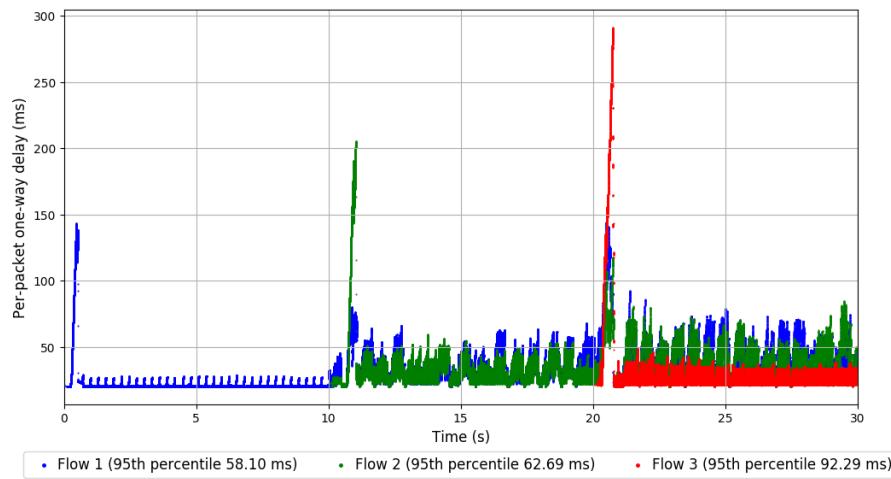
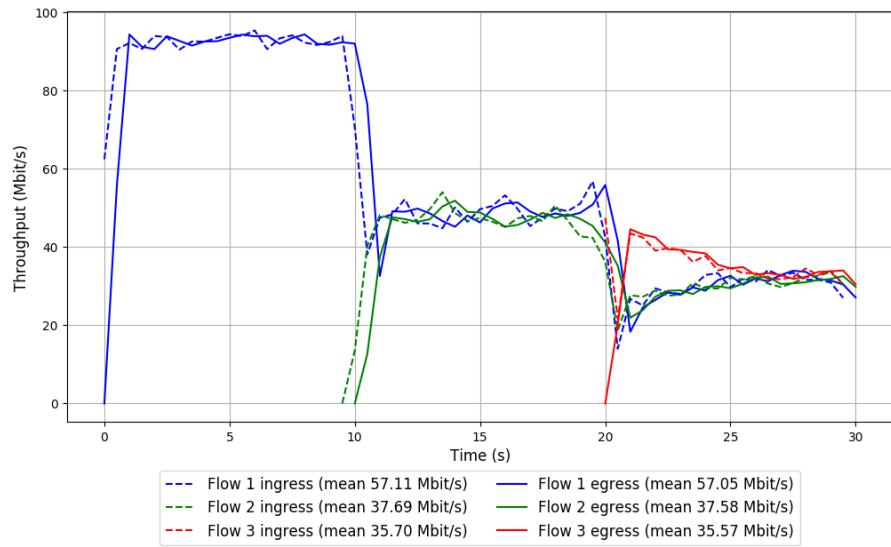


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-18 12:25:59
End at: 2019-07-18 12:26:29
Local clock offset: 4.872 ms
Remote clock offset: -1.808 ms

# Below is generated by plot.py at 2019-07-18 13:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 59.377 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 58.105 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 62.694 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 92.288 ms
Loss rate: 0.53%
```

Run 4: Report of FillP-Sheep — Data Link

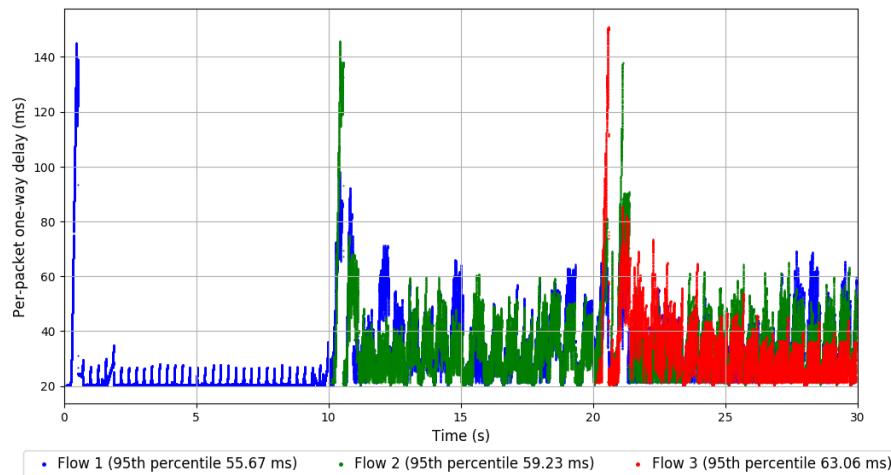
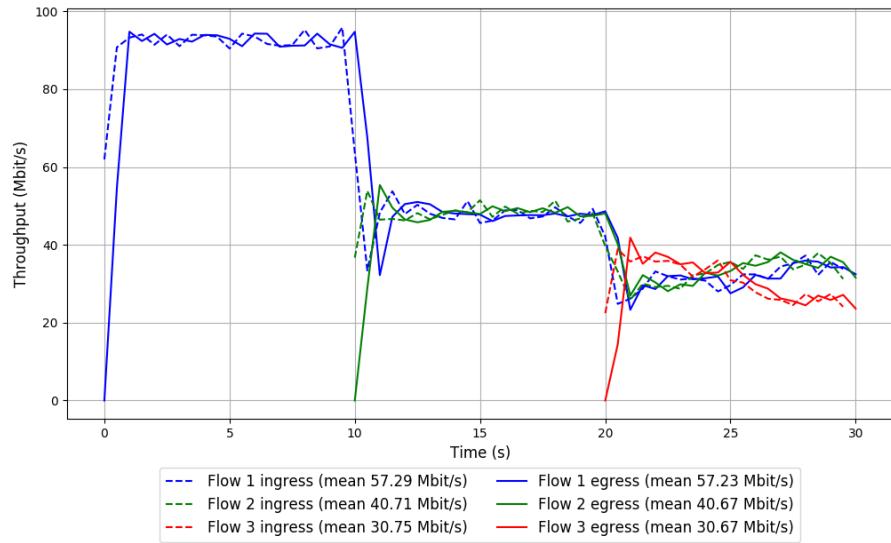


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-18 12:55:07
End at: 2019-07-18 12:55:37
Local clock offset: 4.08 ms
Remote clock offset: -1.063 ms

# Below is generated by plot.py at 2019-07-18 13:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 57.540 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 55.673 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 59.228 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 63.059 ms
Loss rate: 0.53%
```

Run 5: Report of FillP-Sheep — Data Link

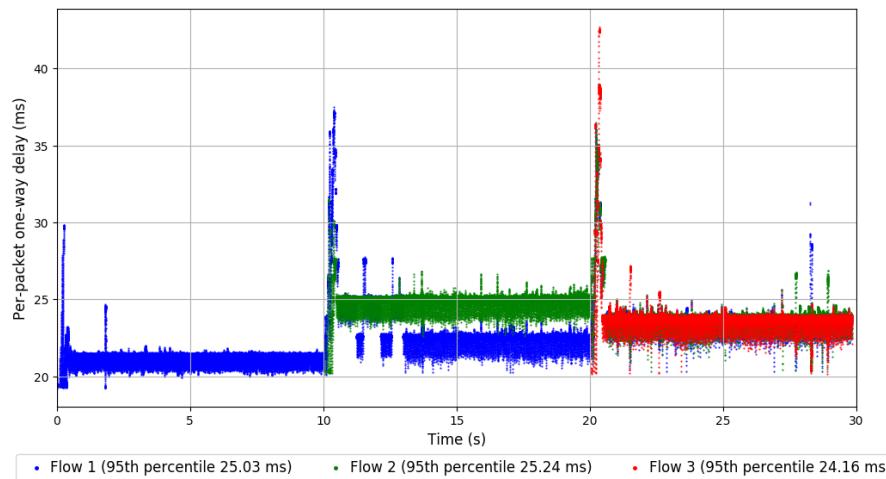
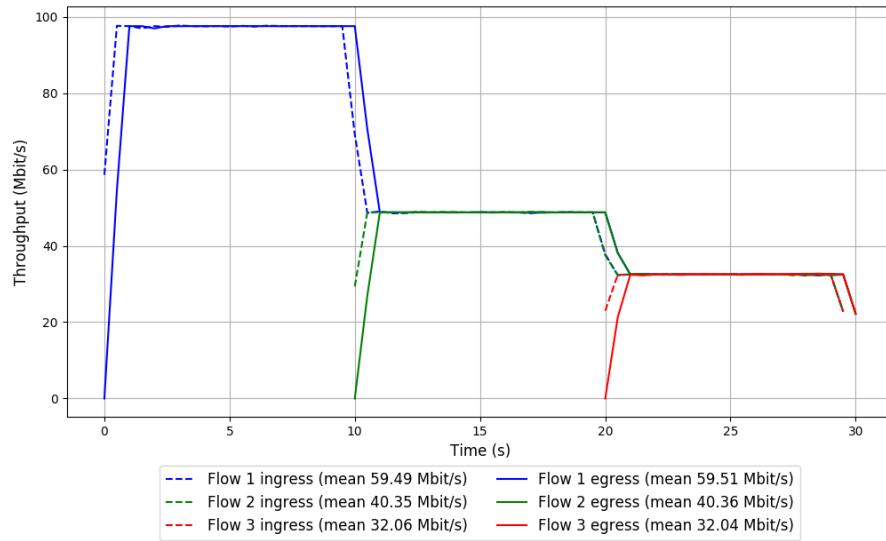


Run 1: Statistics of Indigo

```
Start at: 2019-07-18 10:51:14
End at: 2019-07-18 10:51:44
Local clock offset: -1.111 ms
Remote clock offset: -6.733 ms

# Below is generated by plot.py at 2019-07-18 13:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 25.158 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 25.028 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 25.242 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 24.157 ms
Loss rate: 0.36%
```

Run 1: Report of Indigo — Data Link

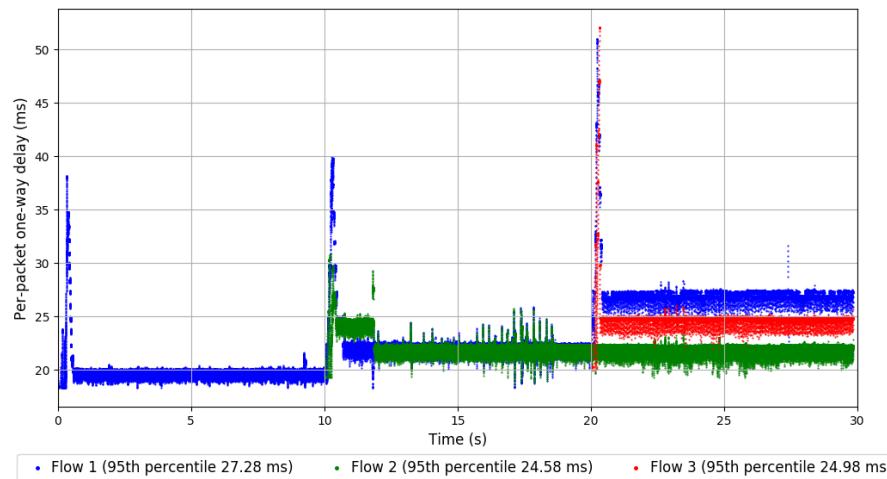
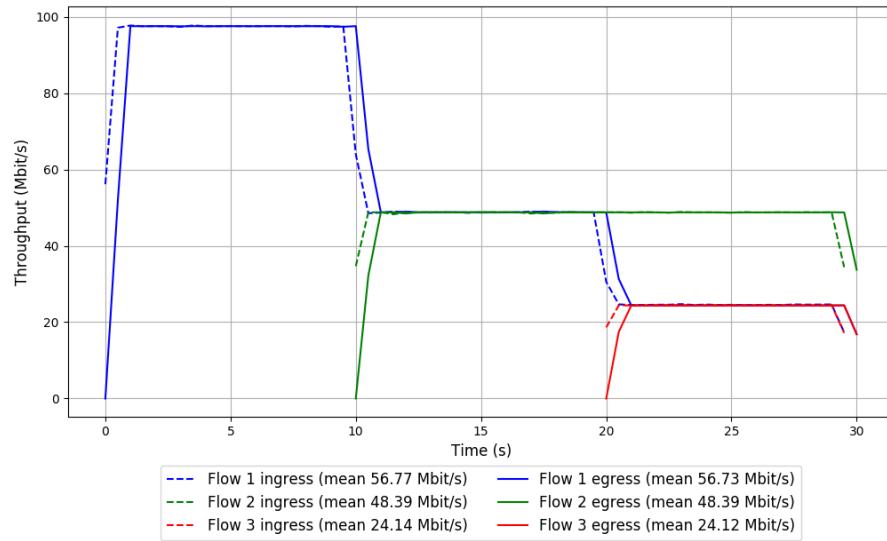


Run 2: Statistics of Indigo

```
Start at: 2019-07-18 11:20:29
End at: 2019-07-18 11:20:59
Local clock offset: -1.038 ms
Remote clock offset: -4.706 ms

# Below is generated by plot.py at 2019-07-18 13:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 26.984 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 27.276 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 24.578 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 24.977 ms
Loss rate: 0.32%
```

Run 2: Report of Indigo — Data Link

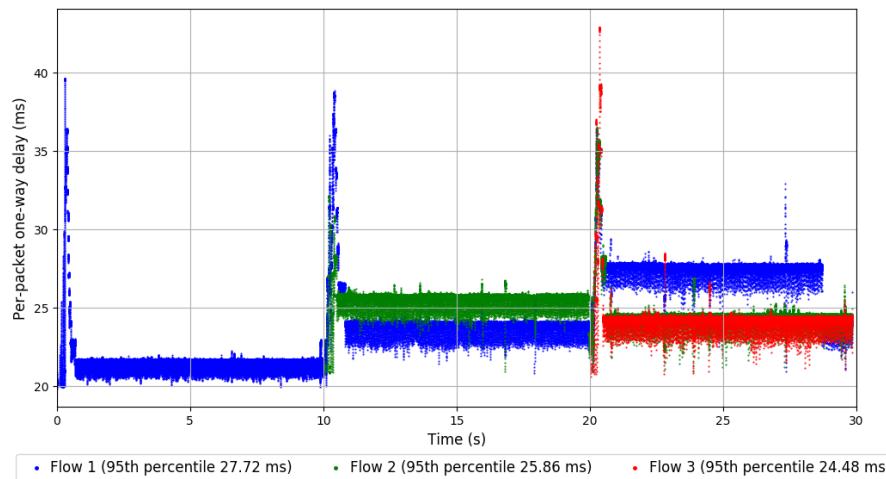
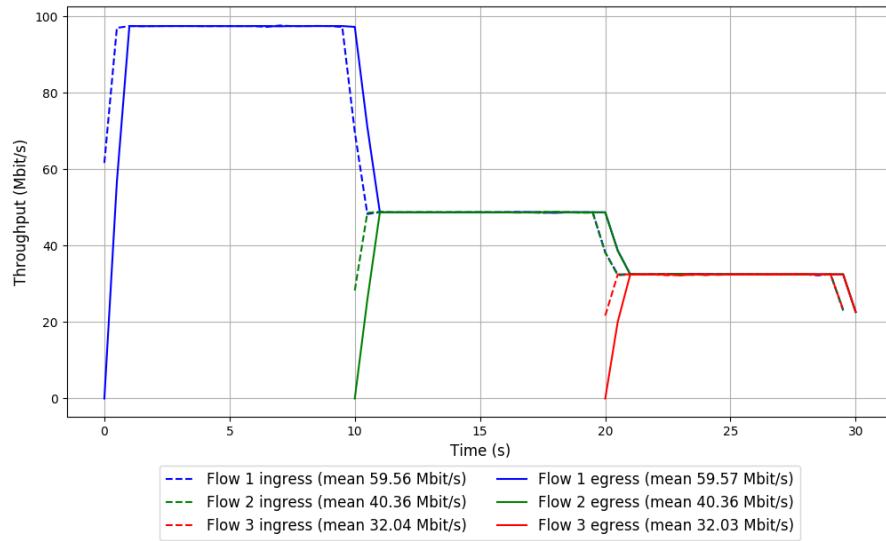


Run 3: Statistics of Indigo

```
Start at: 2019-07-18 11:49:25
End at: 2019-07-18 11:49:55
Local clock offset: 4.849 ms
Remote clock offset: -3.49 ms

# Below is generated by plot.py at 2019-07-18 13:11:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 27.673 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 27.719 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 25.858 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 24.476 ms
Loss rate: 0.34%
```

Run 3: Report of Indigo — Data Link

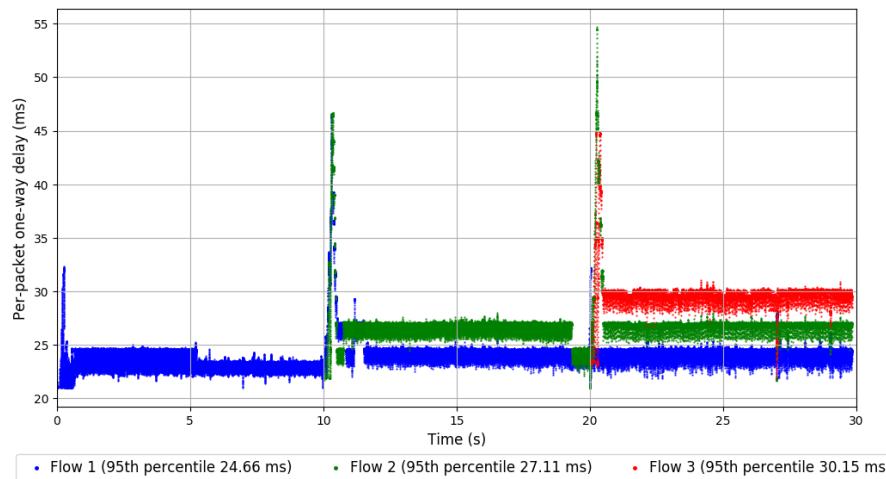
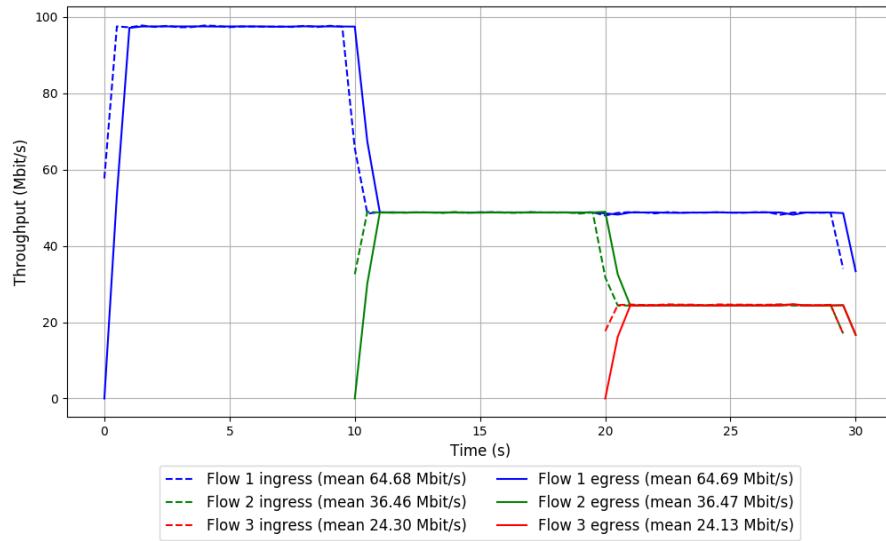


Run 4: Statistics of Indigo

```
Start at: 2019-07-18 12:18:48
End at: 2019-07-18 12:19:18
Local clock offset: 4.468 ms
Remote clock offset: -2.822 ms

# Below is generated by plot.py at 2019-07-18 13:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 29.722 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 24.660 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 27.109 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 30.153 ms
Loss rate: 0.99%
```

Run 4: Report of Indigo — Data Link

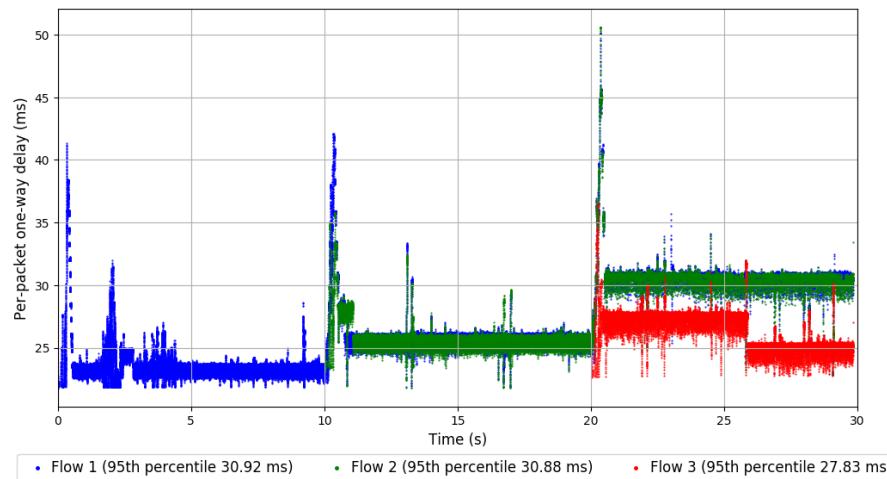
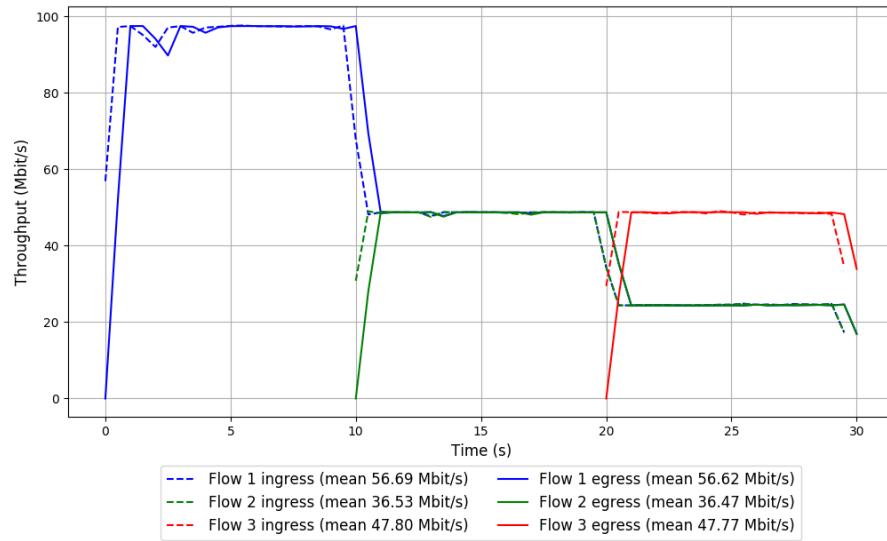


Run 5: Statistics of Indigo

```
Start at: 2019-07-18 12:47:47
End at: 2019-07-18 12:48:18
Local clock offset: 4.026 ms
Remote clock offset: -2.301 ms

# Below is generated by plot.py at 2019-07-18 13:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 30.916 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 27.831 ms
Loss rate: 0.32%
```

Run 5: Report of Indigo — Data Link

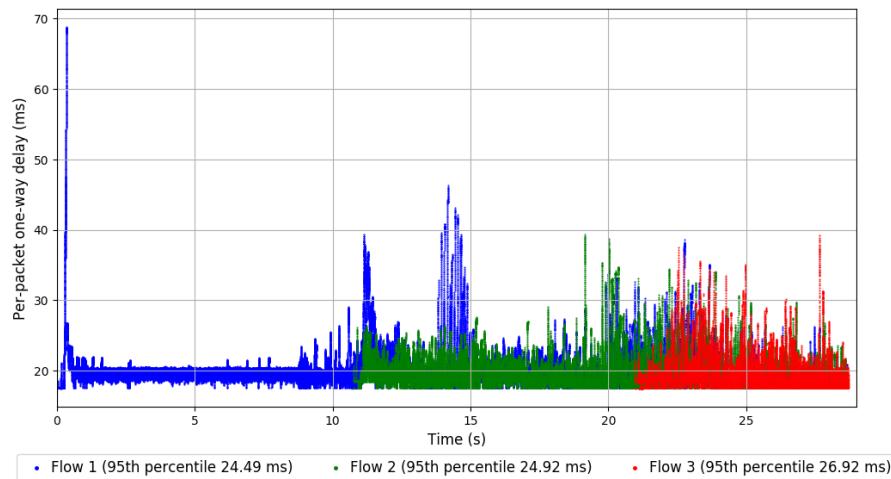
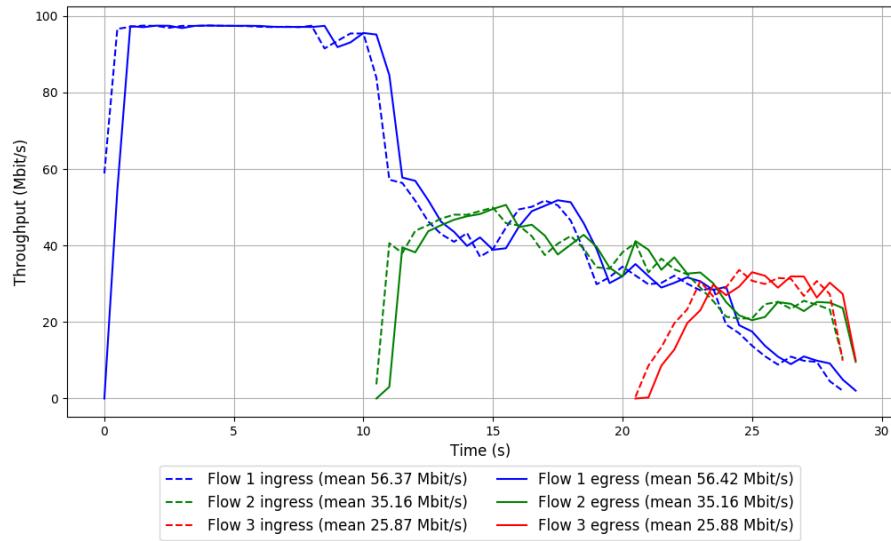


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 10:45:13
End at: 2019-07-18 10:45:43
Local clock offset: -0.245 ms
Remote clock offset: -4.518 ms

# Below is generated by plot.py at 2019-07-18 13:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 24.897 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 24.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 24.918 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 26.920 ms
Loss rate: 0.32%
```

Run 1: Report of Indigo-MusesC3 — Data Link

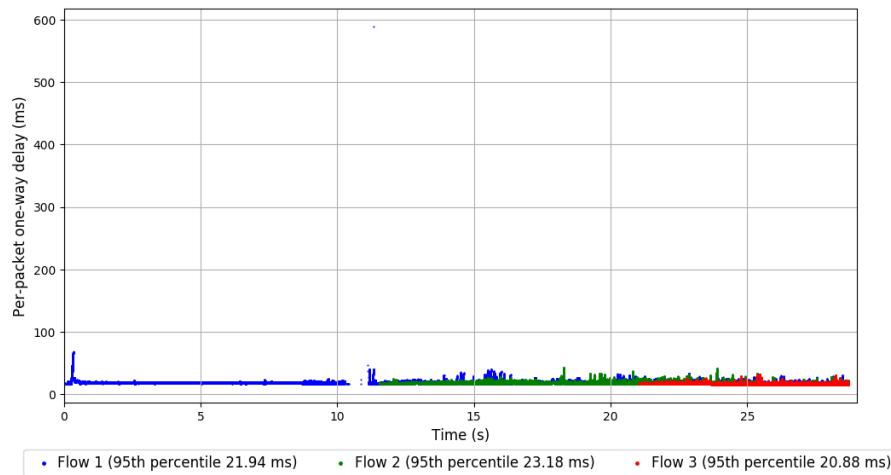
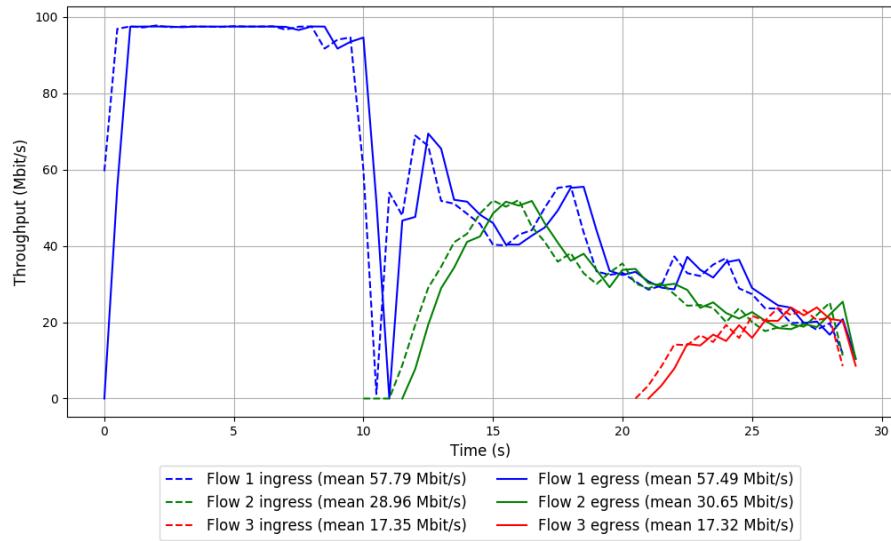


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 11:14:17
End at: 2019-07-18 11:14:47
Local clock offset: -1.696 ms
Remote clock offset: -3.808 ms

# Below is generated by plot.py at 2019-07-18 13:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 22.165 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 21.938 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 23.175 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 20.881 ms
Loss rate: 0.42%
```

Run 2: Report of Indigo-MusesC3 — Data Link

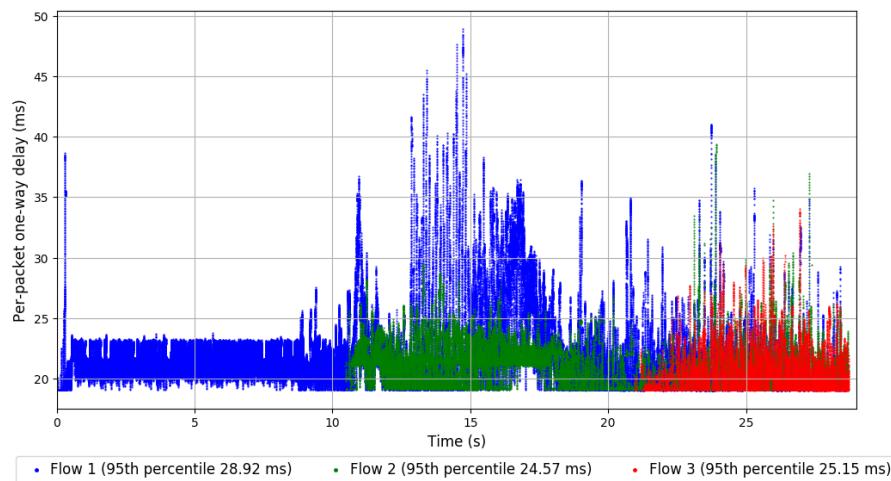
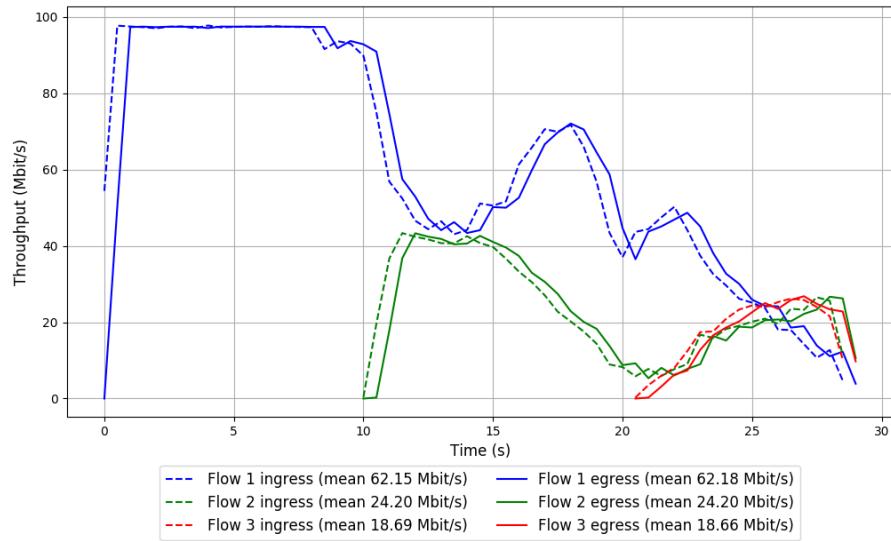


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 11:43:23
End at: 2019-07-18 11:43:53
Local clock offset: 3.989 ms
Remote clock offset: -3.184 ms

# Below is generated by plot.py at 2019-07-18 13:11:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 27.817 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 28.923 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 24.572 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 25.151 ms
Loss rate: 0.42%
```

Run 3: Report of Indigo-MusesC3 — Data Link

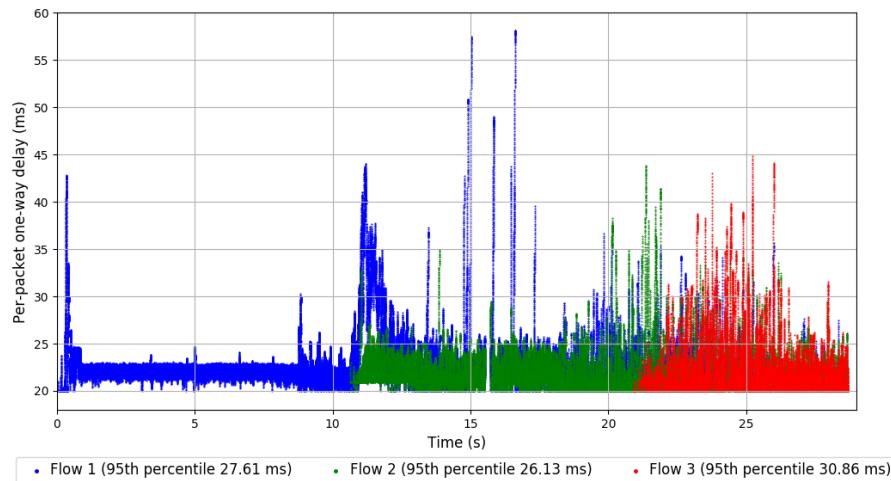
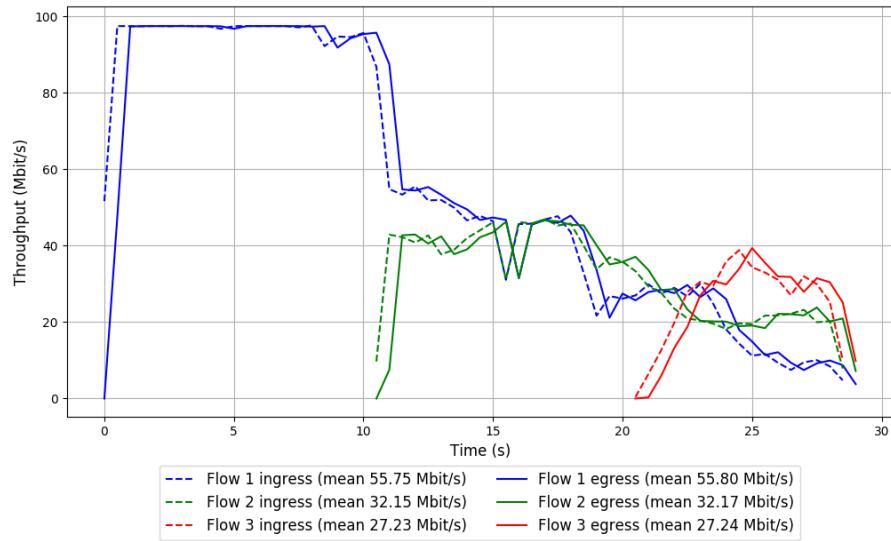


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 12:12:43
End at: 2019-07-18 12:13:13
Local clock offset: 4.08 ms
Remote clock offset: -2.118 ms

# Below is generated by plot.py at 2019-07-18 13:11:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 27.769 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 27.608 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 26.131 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 30.863 ms
Loss rate: 0.36%
```

Run 4: Report of Indigo-MusesC3 — Data Link

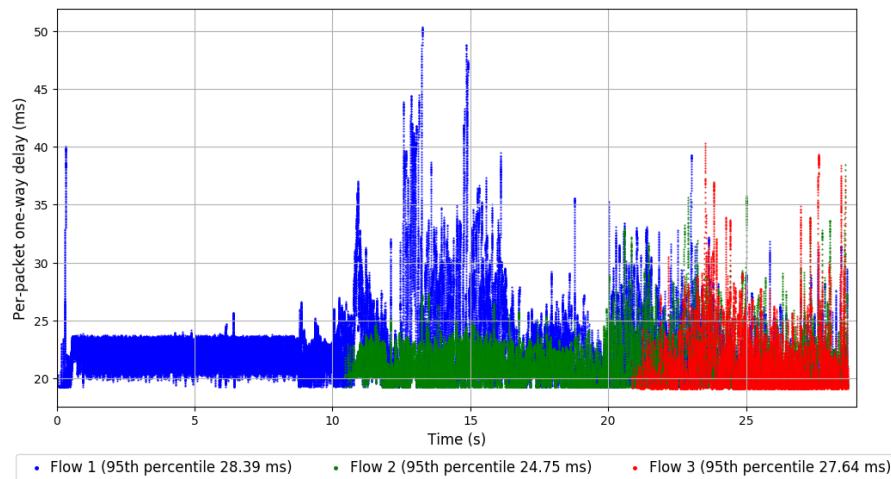
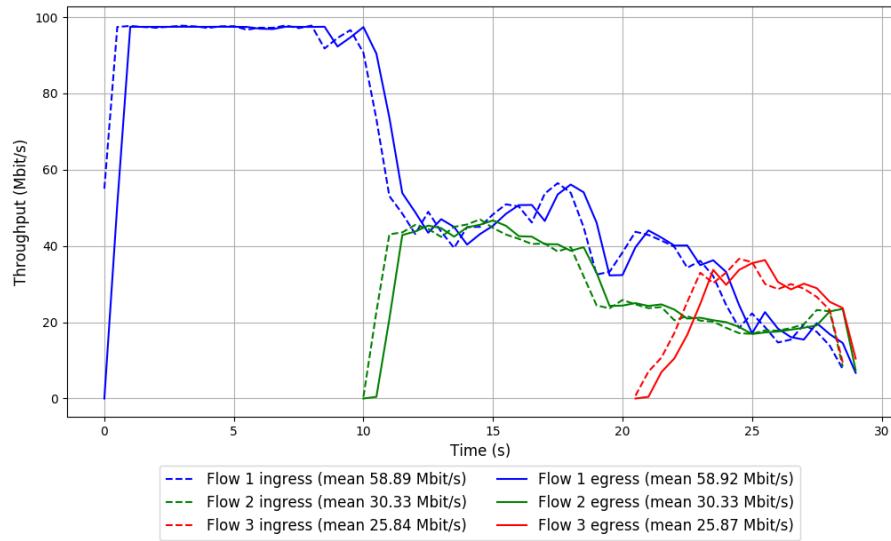


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 12:41:40
End at: 2019-07-18 12:42:11
Local clock offset: 4.238 ms
Remote clock offset: 0.642 ms

# Below is generated by plot.py at 2019-07-18 13:11:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 27.543 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 28.394 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 24.746 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 25.87 Mbit/s
95th percentile per-packet one-way delay: 27.641 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-MusesC3 — Data Link

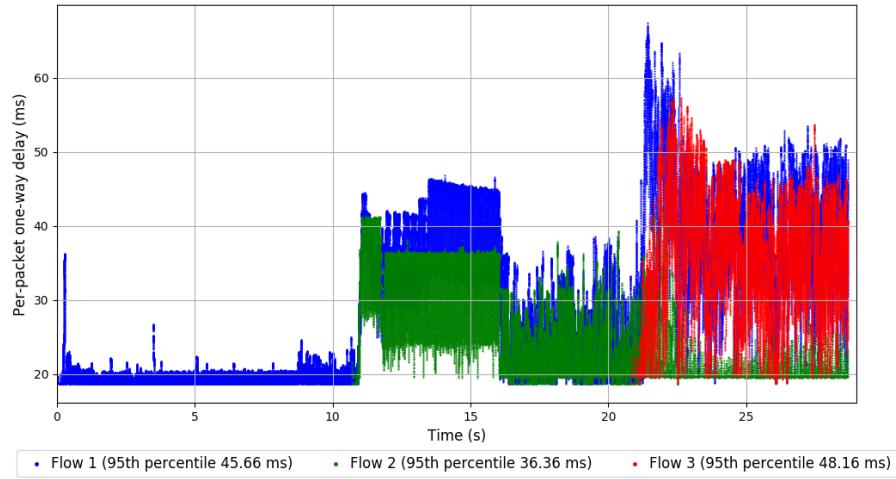
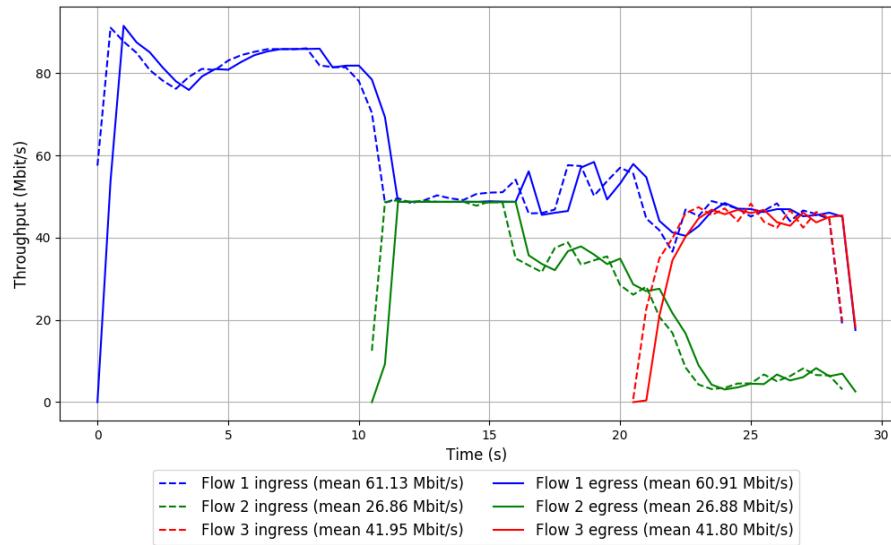


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-07-18 10:57:14
End at: 2019-07-18 10:57:44
Local clock offset: -1.408 ms
Remote clock offset: -6.201 ms

# Below is generated by plot.py at 2019-07-18 13:12:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 45.448 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 36.362 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 48.164 ms
Loss rate: 0.69%
```

Run 1: Report of Indigo-MusesC5 — Data Link

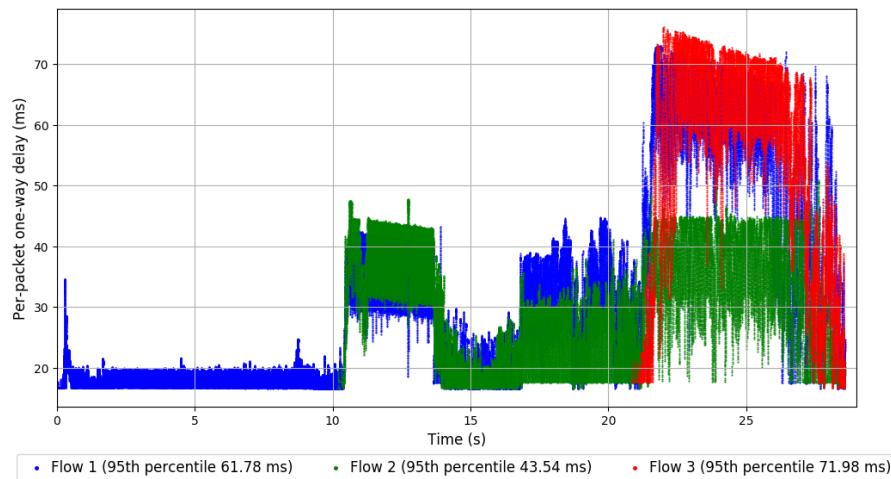
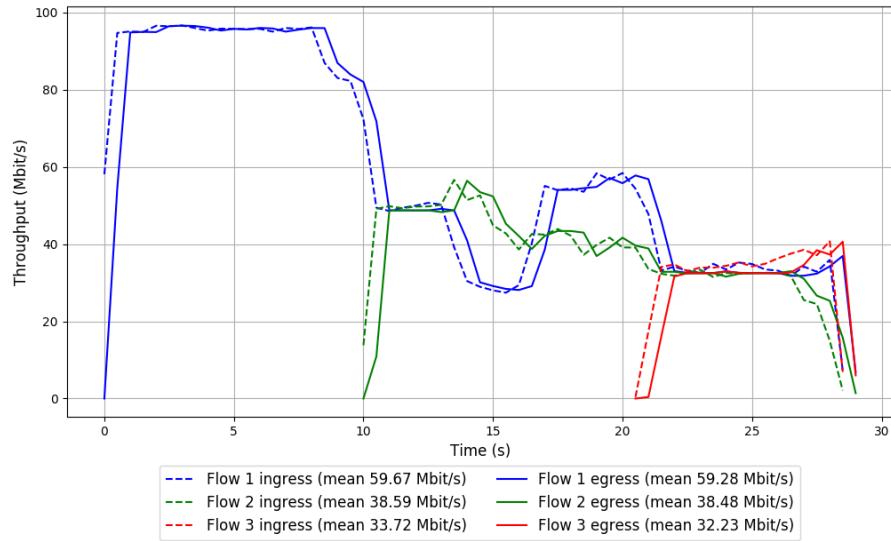


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 11:26:31
End at: 2019-07-18 11:27:01
Local clock offset: -0.726 ms
Remote clock offset: -3.46 ms

# Below is generated by plot.py at 2019-07-18 13:12:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 65.351 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 61.776 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 43.538 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 71.978 ms
Loss rate: 4.85%
```

Run 2: Report of Indigo-MusesC5 — Data Link

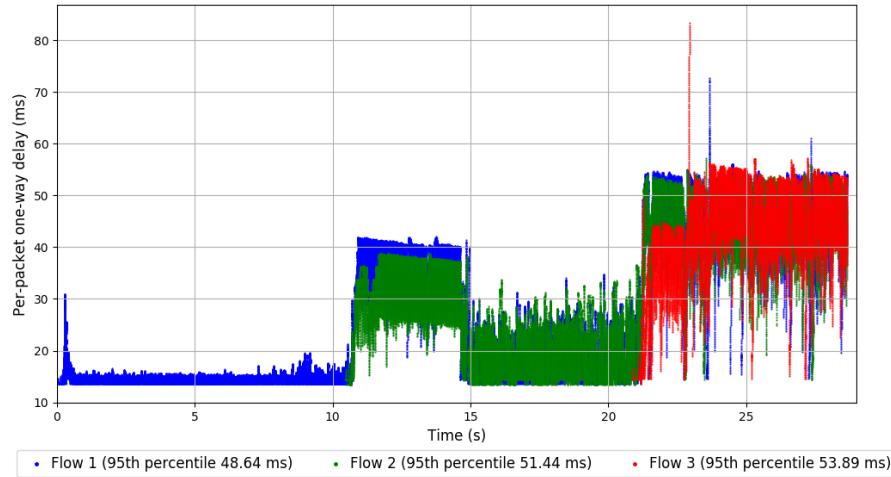
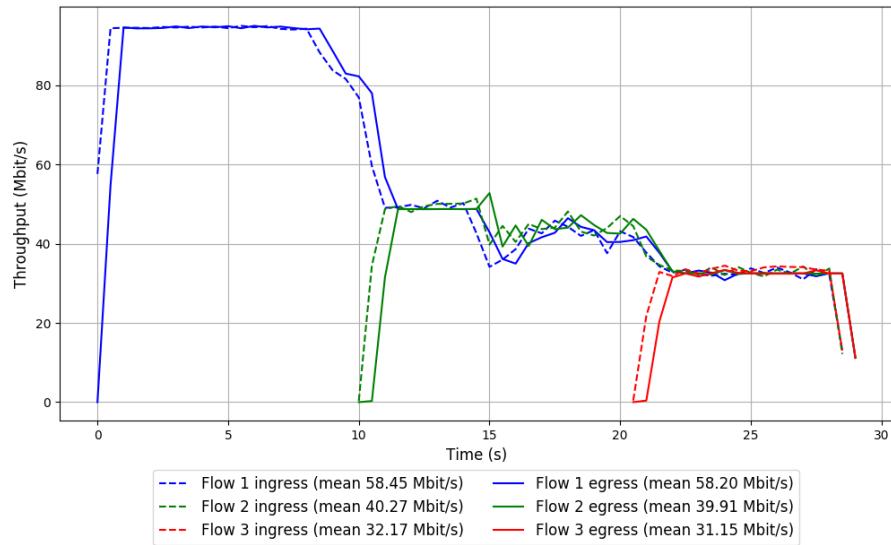


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 11:55:27
End at: 2019-07-18 11:55:57
Local clock offset: -2.14 ms
Remote clock offset: -3.557 ms

# Below is generated by plot.py at 2019-07-18 13:12:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 51.181 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 48.637 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 51.439 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 53.894 ms
Loss rate: 3.30%
```

Run 3: Report of Indigo-MusesC5 — Data Link

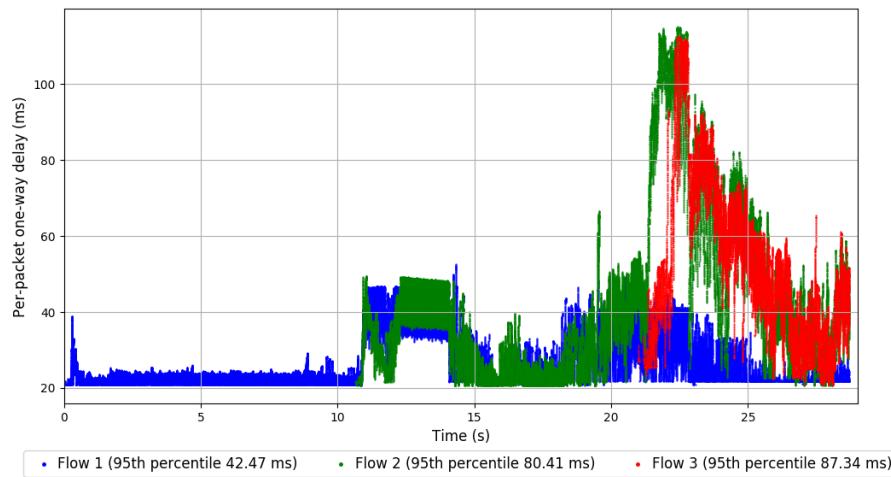
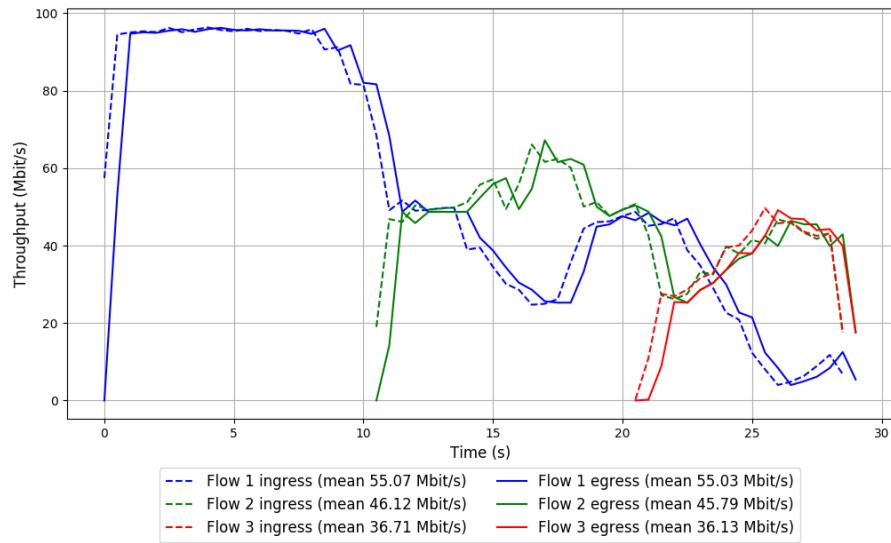


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 12:24:47
End at: 2019-07-18 12:25:17
Local clock offset: 4.543 ms
Remote clock offset: -2.522 ms

# Below is generated by plot.py at 2019-07-18 13:12:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 65.506 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 42.474 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 45.79 Mbit/s
95th percentile per-packet one-way delay: 80.413 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 87.340 ms
Loss rate: 1.91%
```

Run 4: Report of Indigo-MusesC5 — Data Link

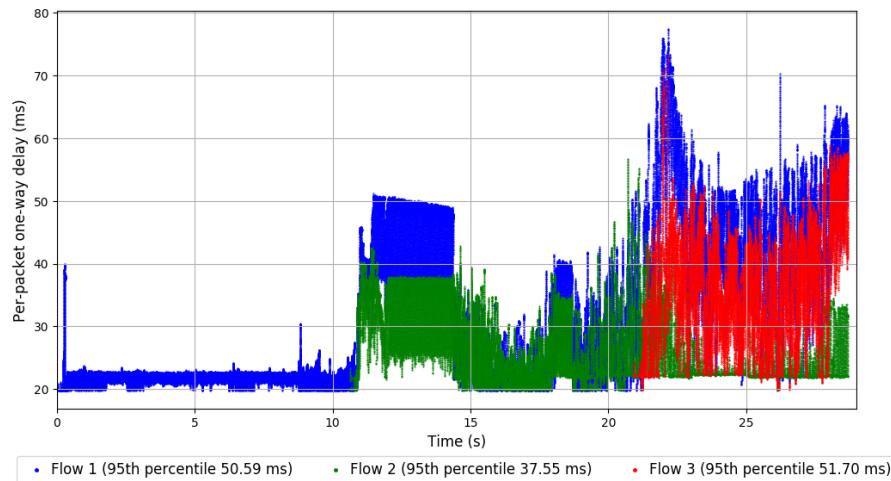
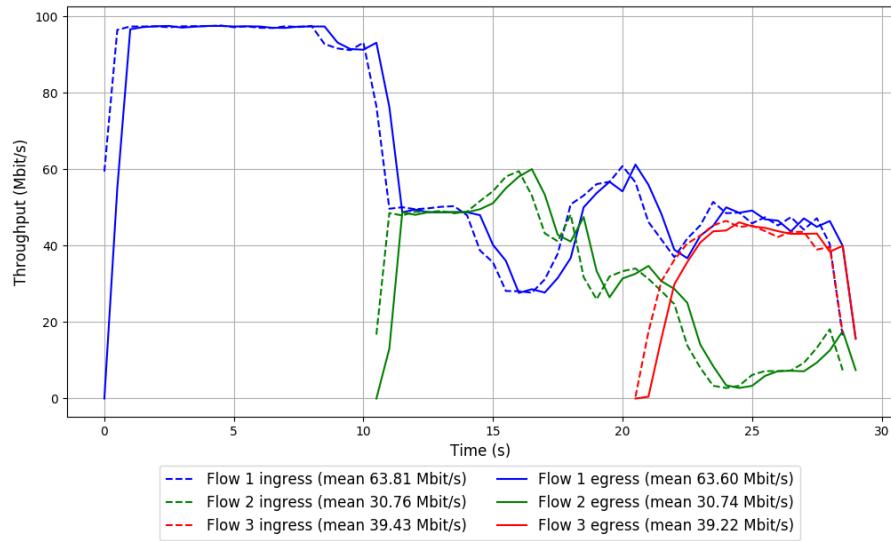


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 12:53:55
End at: 2019-07-18 12:54:25
Local clock offset: 3.382 ms
Remote clock offset: -1.247 ms

# Below is generated by plot.py at 2019-07-18 13:12:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 49.838 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 50.593 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 37.548 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 51.699 ms
Loss rate: 0.94%
```

Run 5: Report of Indigo-MusesC5 — Data Link

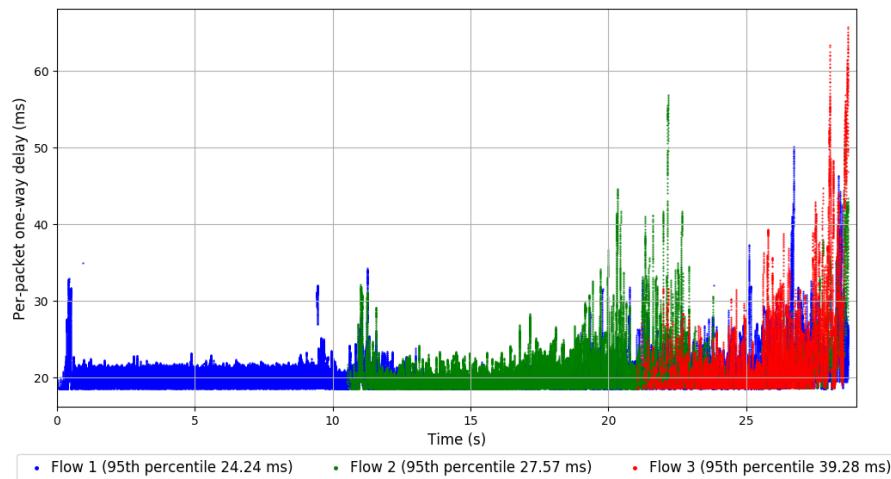
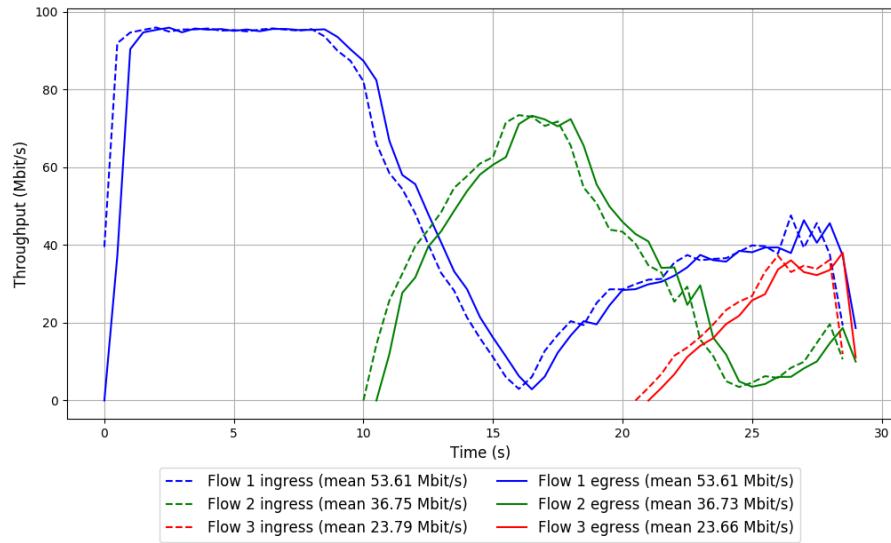


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 11:01:55
End at: 2019-07-18 11:02:25
Local clock offset: -1.036 ms
Remote clock offset: -5.721 ms

# Below is generated by plot.py at 2019-07-18 13:12:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 26.619 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 24.244 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 27.568 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 39.281 ms
Loss rate: 0.90%
```

Run 1: Report of Indigo-MusesD — Data Link

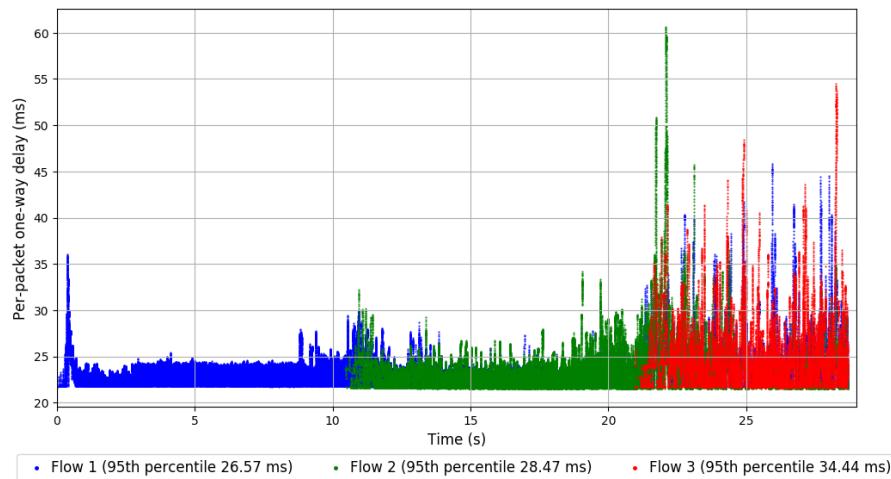
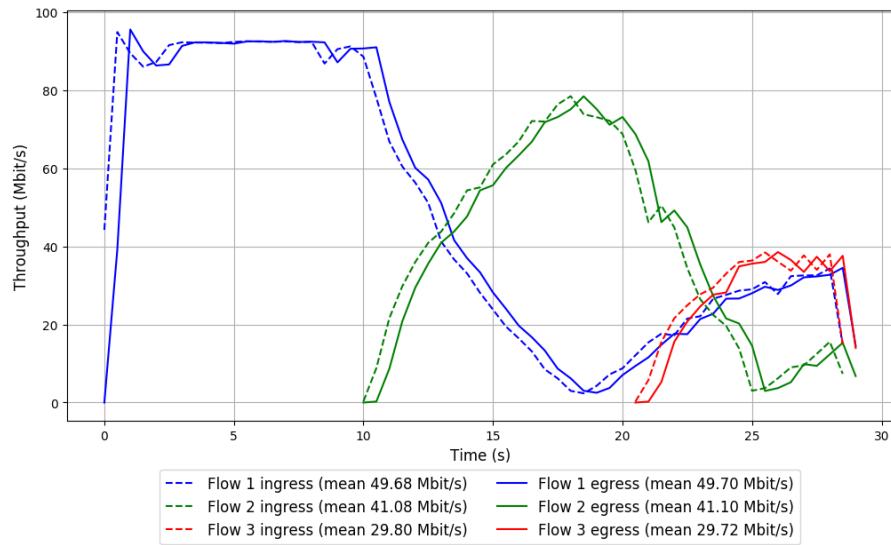


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 11:31:11
End at: 2019-07-18 11:31:41
Local clock offset: 2.955 ms
Remote clock offset: -5.636 ms

# Below is generated by plot.py at 2019-07-18 13:12:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 28.425 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 26.567 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 28.468 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 34.439 ms
Loss rate: 0.80%
```

Run 2: Report of Indigo-MusesD — Data Link

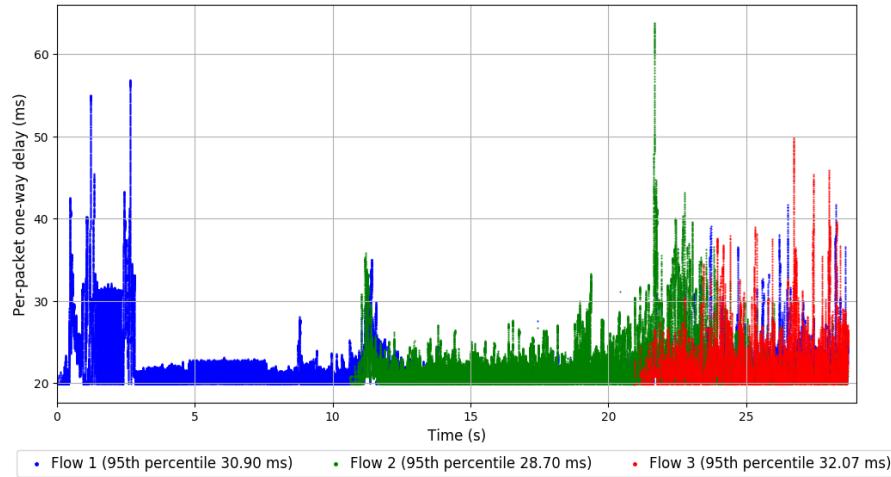
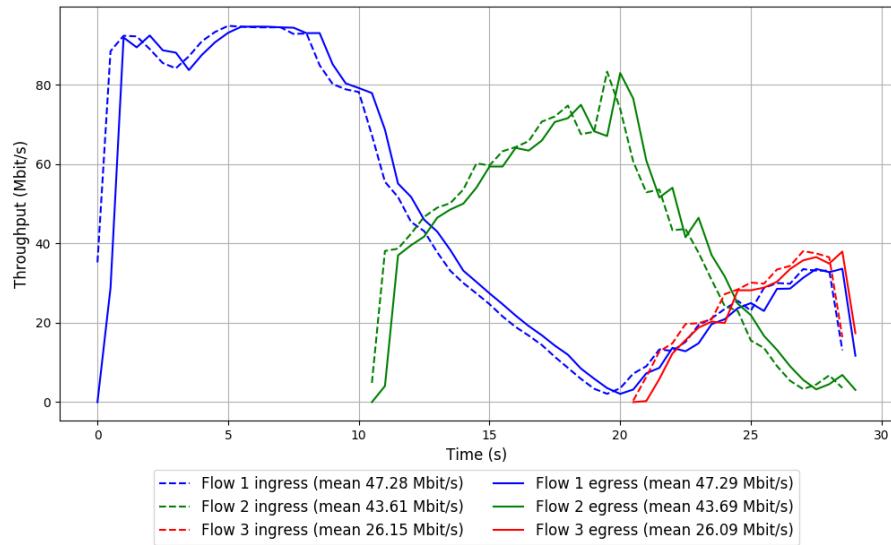


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 12:00:15
End at: 2019-07-18 12:00:45
Local clock offset: 4.494 ms
Remote clock offset: -2.328 ms

# Below is generated by plot.py at 2019-07-18 13:12:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 30.657 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 30.896 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 28.700 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 32.067 ms
Loss rate: 0.48%
```

Run 3: Report of Indigo-MusesD — Data Link

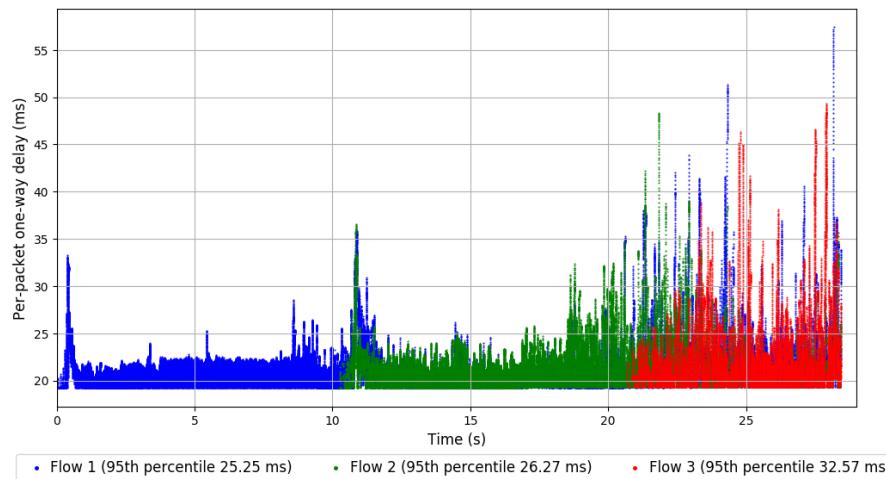
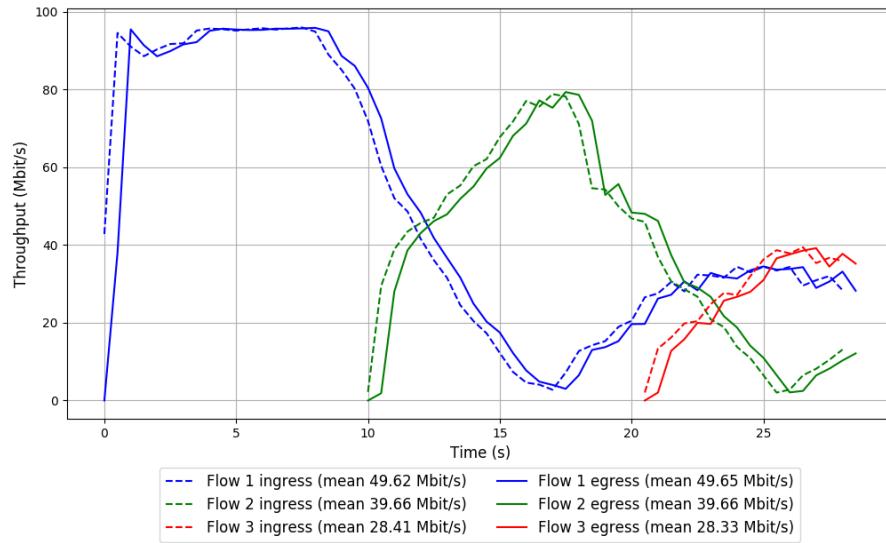


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 12:29:32
End at: 2019-07-18 12:30:02
Local clock offset: 4.148 ms
Remote clock offset: -0.878 ms

# Below is generated by plot.py at 2019-07-18 13:13:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 26.510 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 25.254 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 26.271 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 32.572 ms
Loss rate: 0.60%
```

Run 4: Report of Indigo-MusesD — Data Link

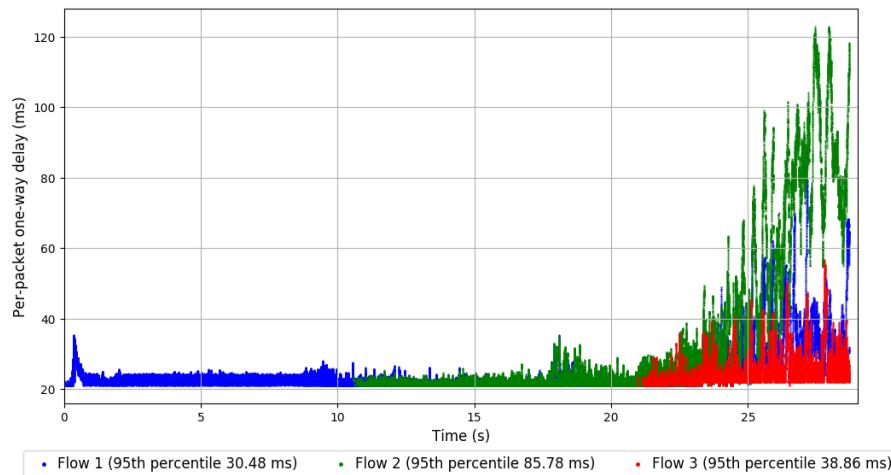
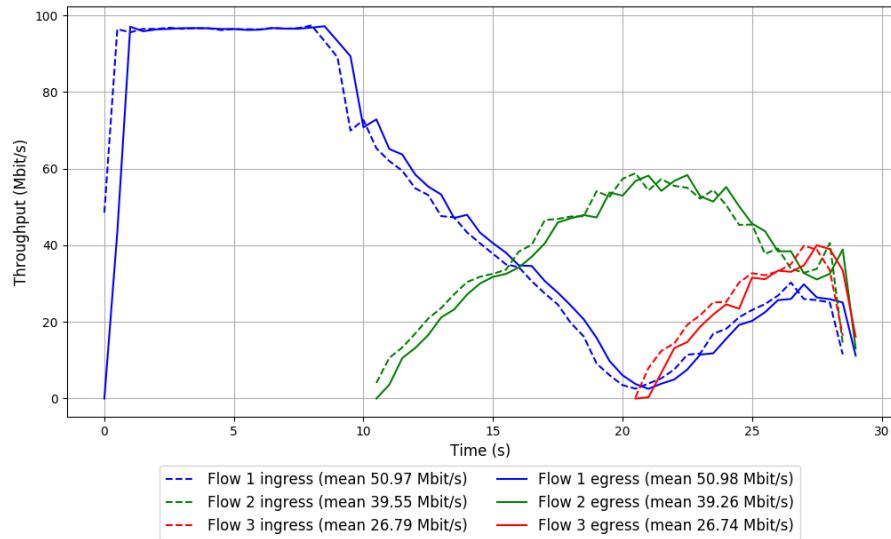


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 12:58:41
End at: 2019-07-18 12:59:12
Local clock offset: 3.746 ms
Remote clock offset: -2.179 ms

# Below is generated by plot.py at 2019-07-18 13:13:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.06 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 30.483 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 85.781 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 38.864 ms
Loss rate: 0.54%
```

Run 5: Report of Indigo-MusesD — Data Link

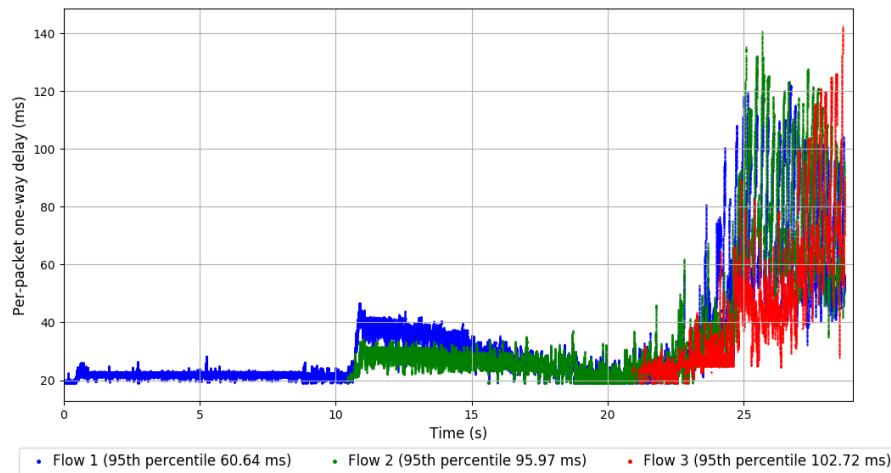
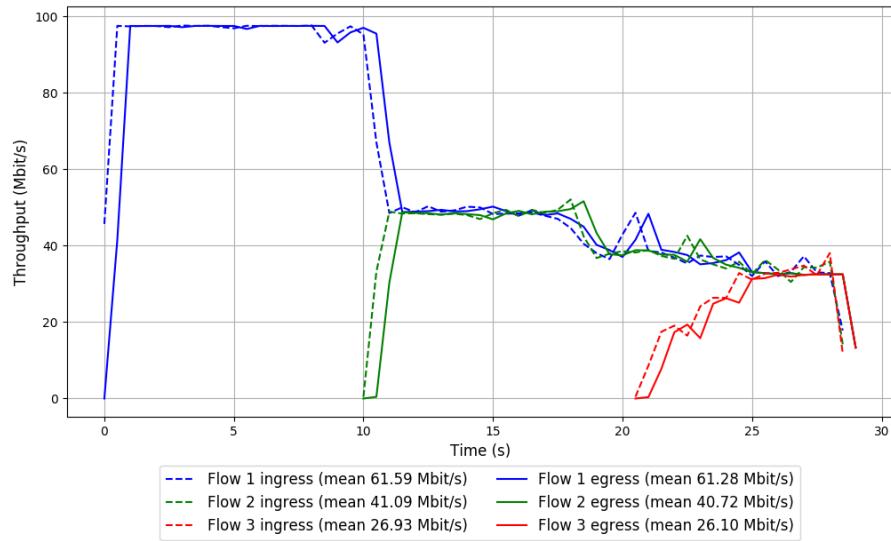


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 10:48:48
End at: 2019-07-18 10:49:18
Local clock offset: -0.161 ms
Remote clock offset: -5.694 ms

# Below is generated by plot.py at 2019-07-18 13:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 78.796 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 60.638 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 95.970 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 102.720 ms
Loss rate: 2.88%
```

Run 1: Report of Indigo-MusesT — Data Link

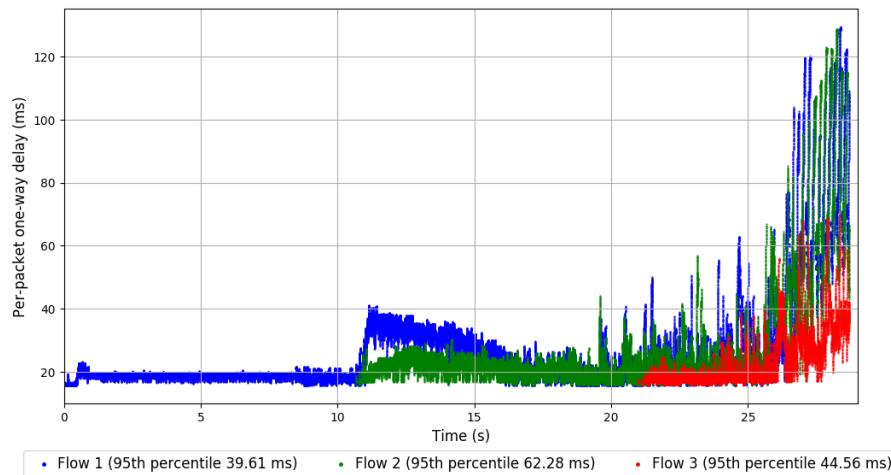
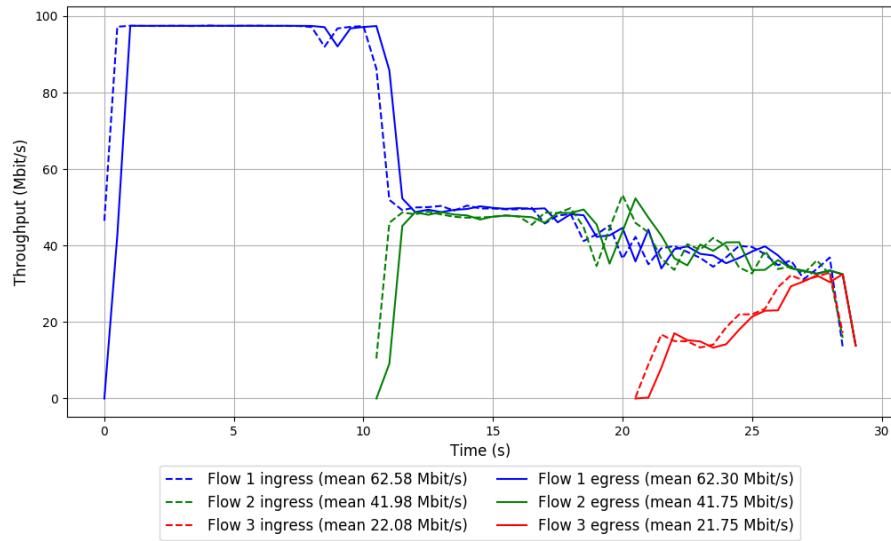


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 11:18:01
End at: 2019-07-18 11:18:31
Local clock offset: -0.983 ms
Remote clock offset: -2.274 ms

# Below is generated by plot.py at 2019-07-18 13:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 49.964 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 39.608 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 44.562 ms
Loss rate: 1.78%
```

Run 2: Report of Indigo-MusesT — Data Link

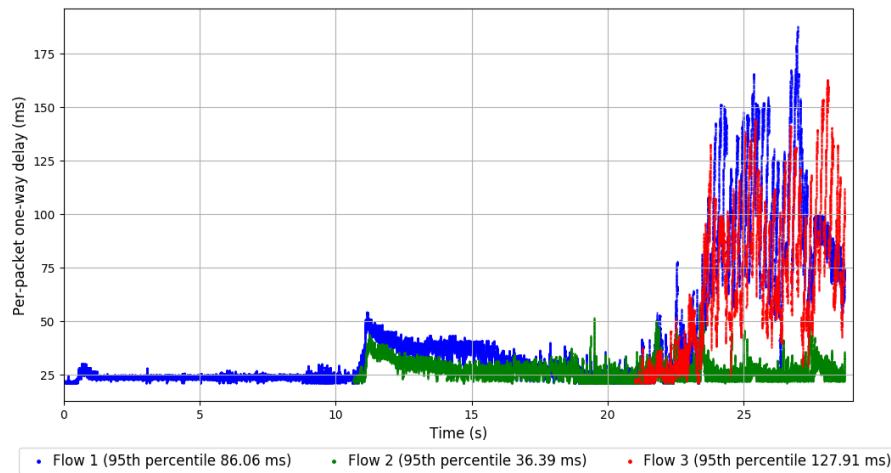
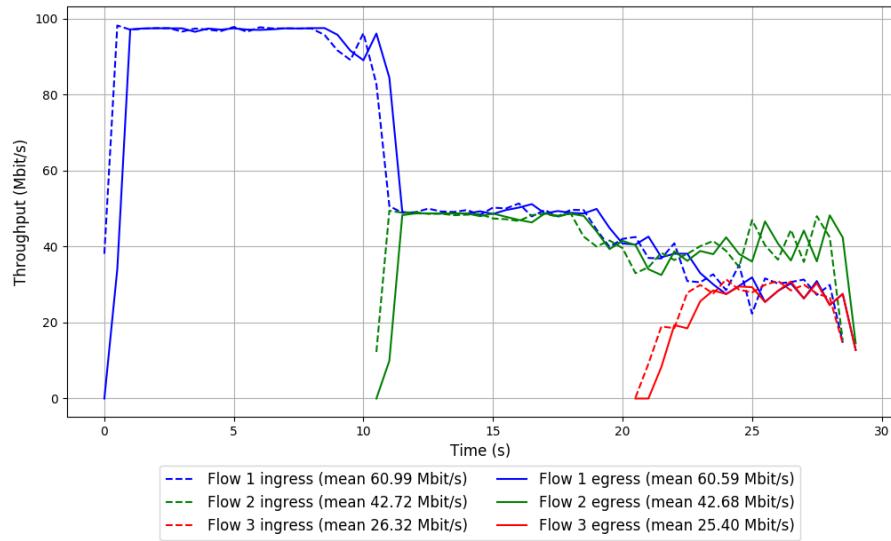


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 11:46:58
End at: 2019-07-18 11:47:28
Local clock offset: 4.366 ms
Remote clock offset: -4.944 ms

# Below is generated by plot.py at 2019-07-18 13:13:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 89.901 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 86.055 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 36.386 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 127.906 ms
Loss rate: 3.80%
```

Run 3: Report of Indigo-MusesT — Data Link

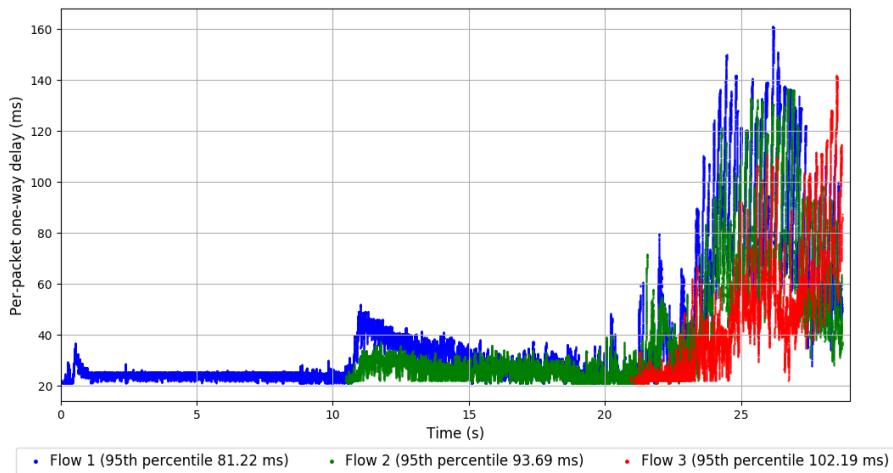
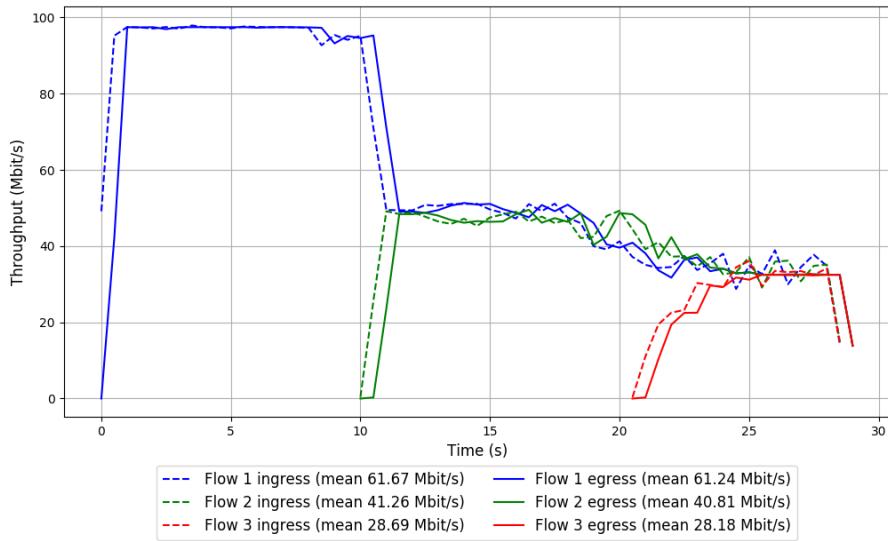


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 12:16:21
End at: 2019-07-18 12:16:51
Local clock offset: 4.082 ms
Remote clock offset: -3.34 ms

# Below is generated by plot.py at 2019-07-18 13:13:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 89.657 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 81.216 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 93.689 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 102.190 ms
Loss rate: 2.09%
```

Run 4: Report of Indigo-MusesT — Data Link

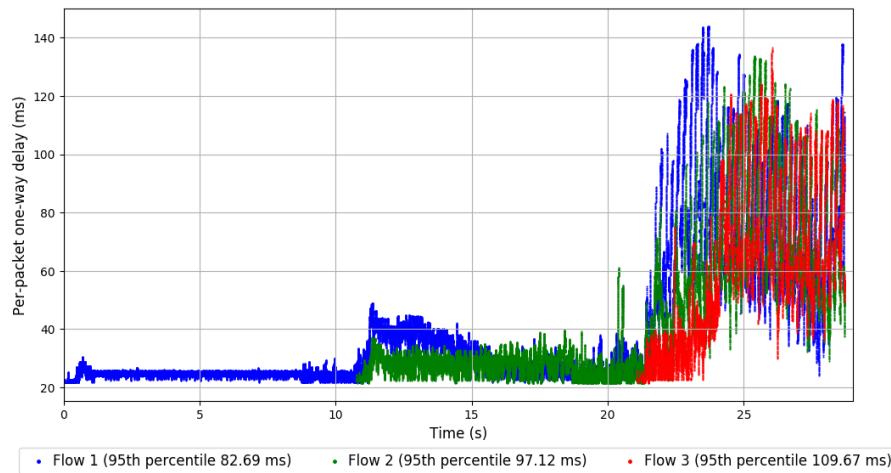
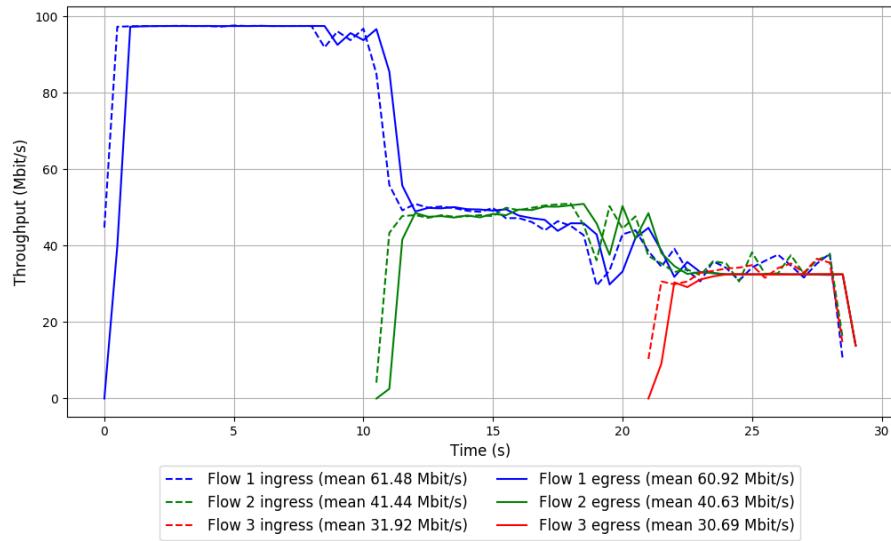


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 12:45:18
End at: 2019-07-18 12:45:48
Local clock offset: 4.217 ms
Remote clock offset: -1.798 ms

# Below is generated by plot.py at 2019-07-18 13:13:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 95.219 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 82.691 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 97.120 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 109.671 ms
Loss rate: 4.20%
```

Run 5: Report of Indigo-MusesT — Data Link

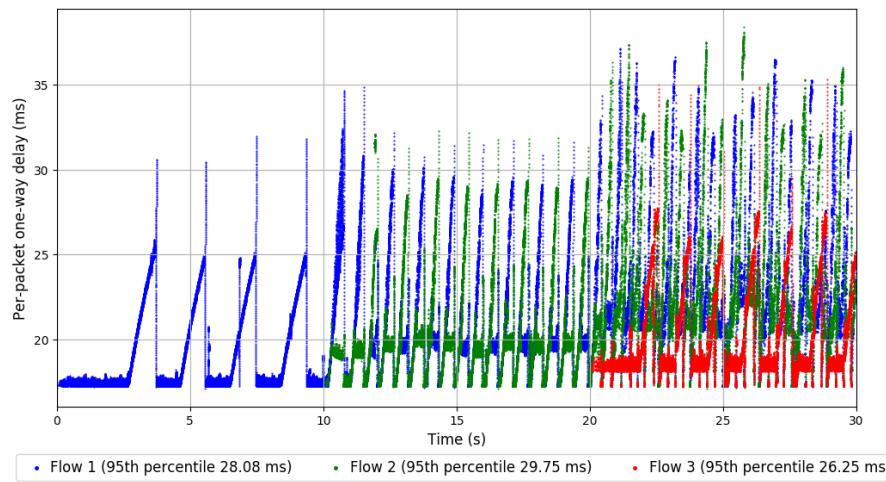
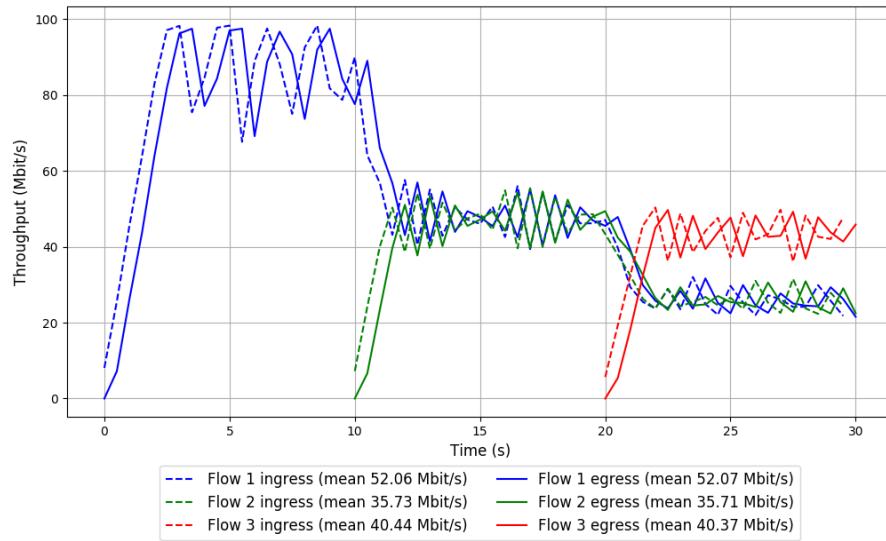


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-18 11:03:07
End at: 2019-07-18 11:03:37
Local clock offset: -1.337 ms
Remote clock offset: -4.613 ms

# Below is generated by plot.py at 2019-07-18 13:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 28.320 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 28.080 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 29.753 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 26.248 ms
Loss rate: 0.46%
```

Run 1: Report of LEDBAT — Data Link

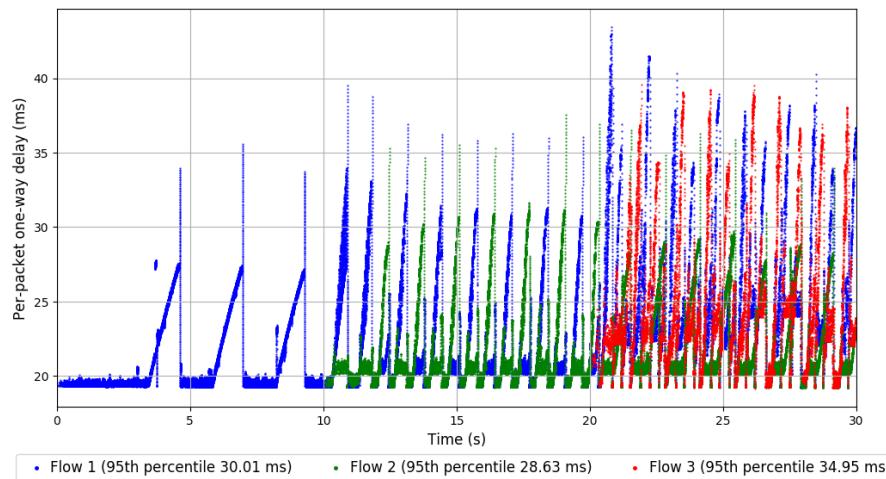
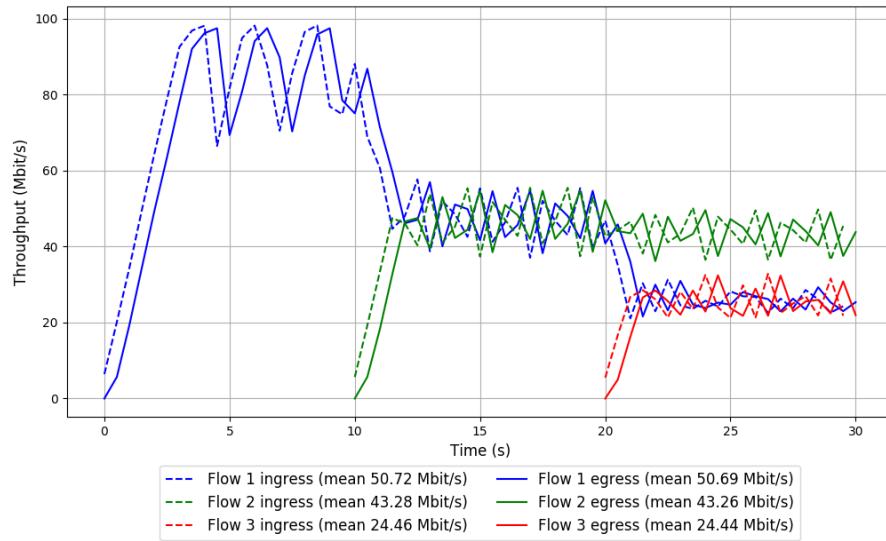


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-18 11:32:22
End at: 2019-07-18 11:32:52
Local clock offset: 3.575 ms
Remote clock offset: -2.782 ms

# Below is generated by plot.py at 2019-07-18 13:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 30.015 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 30.013 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 28.629 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 34.948 ms
Loss rate: 0.38%
```

Run 2: Report of LEDBAT — Data Link

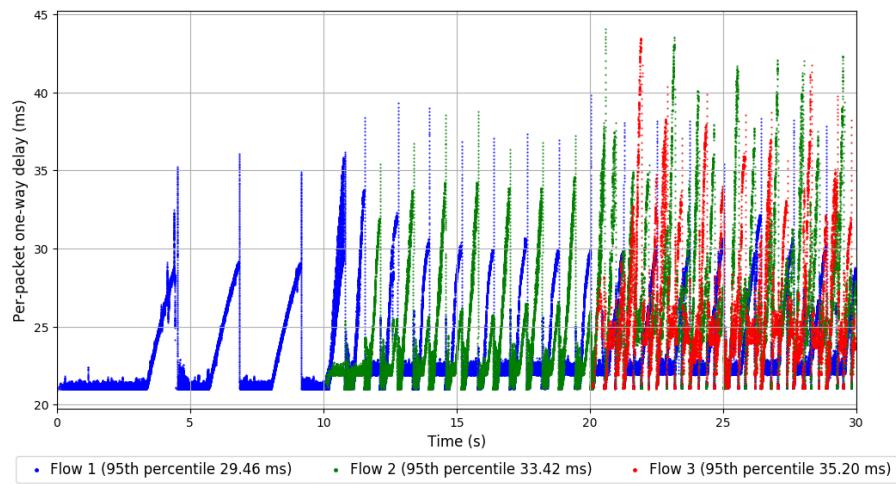
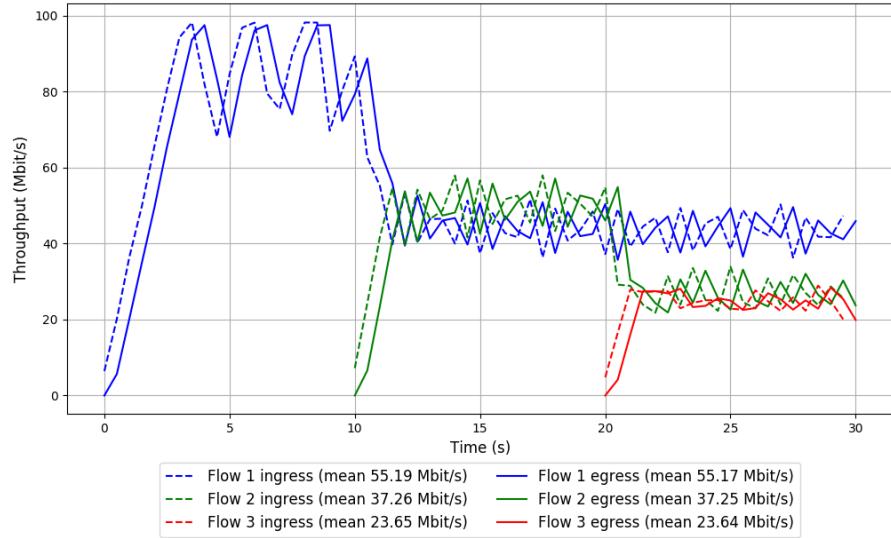


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-18 12:01:39
End at: 2019-07-18 12:02:09
Local clock offset: 4.15 ms
Remote clock offset: -3.561 ms

# Below is generated by plot.py at 2019-07-18 13:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 31.552 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 29.457 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 33.423 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 35.200 ms
Loss rate: 0.32%
```

Run 3: Report of LEDBAT — Data Link

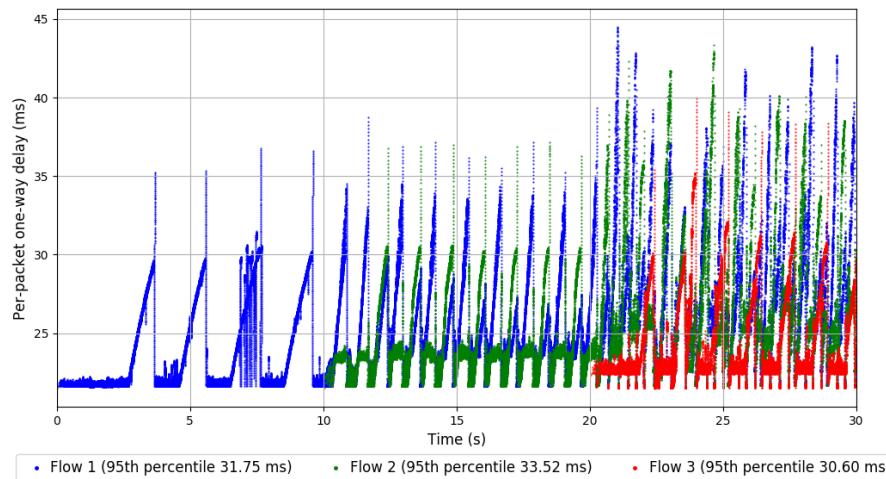
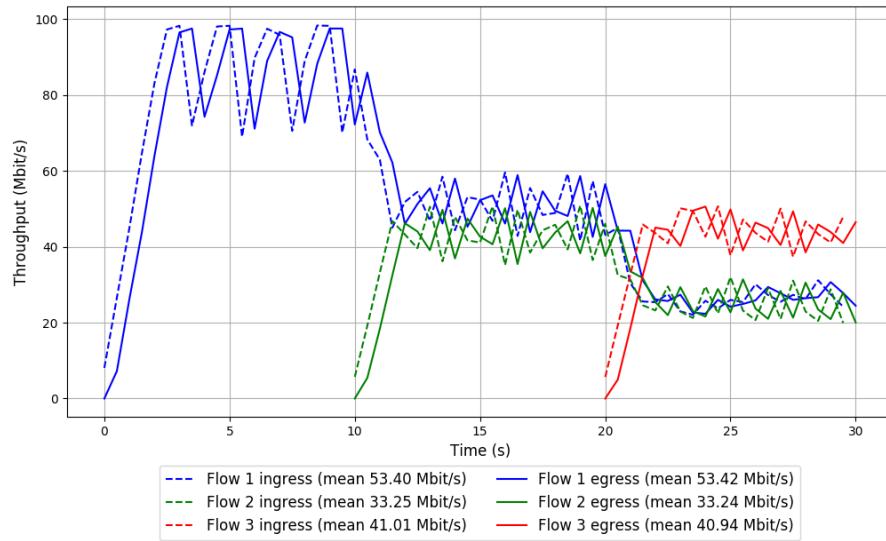


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-18 12:30:44
End at: 2019-07-18 12:31:14
Local clock offset: 4.095 ms
Remote clock offset: -3.139 ms

# Below is generated by plot.py at 2019-07-18 13:14:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 31.851 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 31.746 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 33.515 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 30.600 ms
Loss rate: 0.45%
```

Run 4: Report of LEDBAT — Data Link

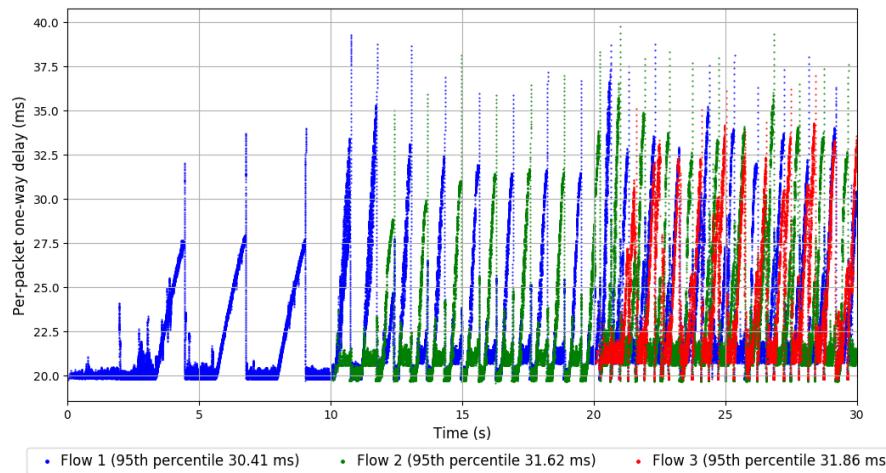
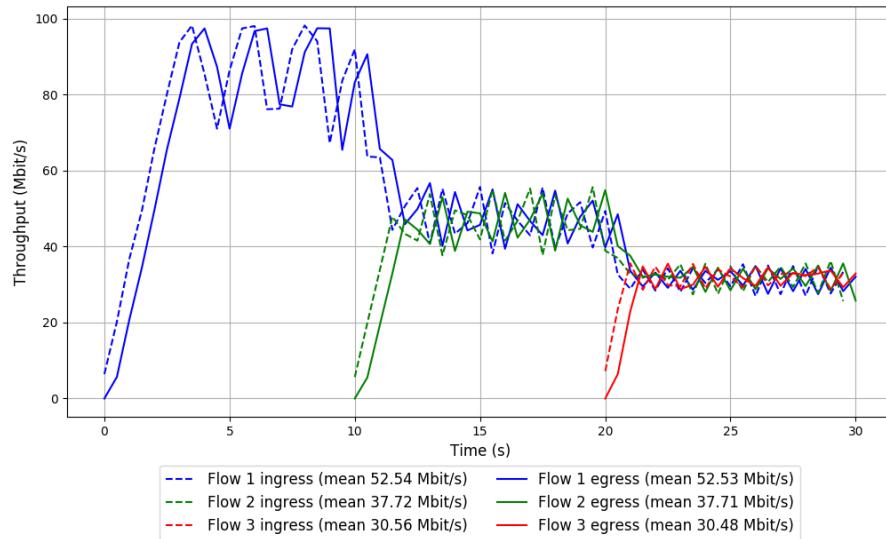


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-18 12:59:58
End at: 2019-07-18 13:00:28
Local clock offset: 3.036 ms
Remote clock offset: -1.683 ms

# Below is generated by plot.py at 2019-07-18 13:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 30.415 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 31.616 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 31.862 ms
Loss rate: 0.37%
```

Run 5: Report of LEDBAT — Data Link

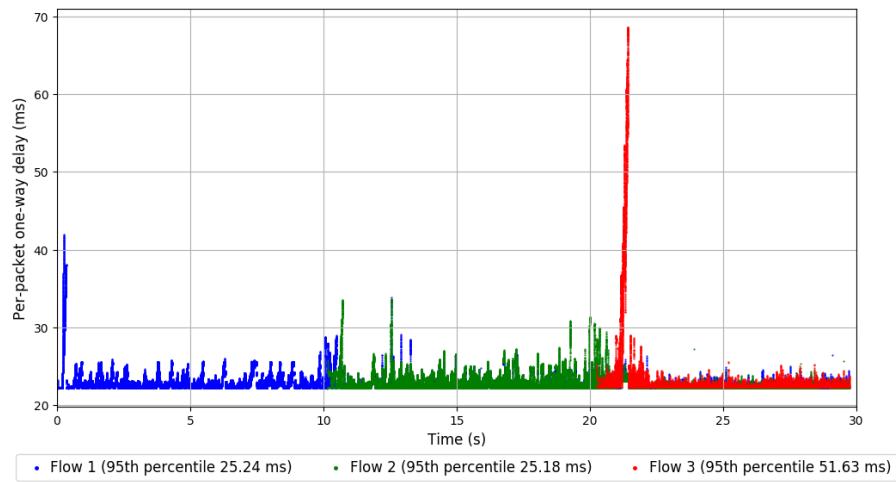
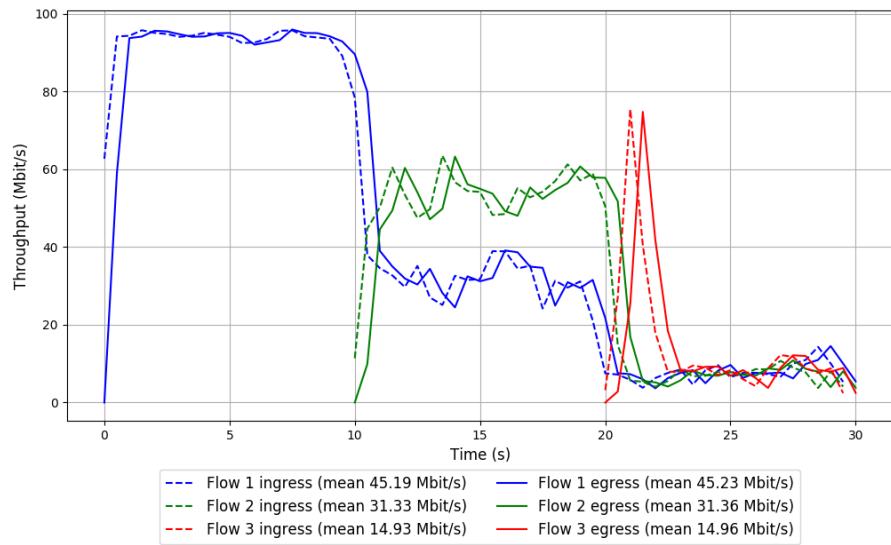


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 10:40:21
End at: 2019-07-18 10:40:51
Local clock offset: 0.278 ms
Remote clock offset: -9.18 ms

# Below is generated by plot.py at 2019-07-18 13:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 25.382 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 25.237 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 25.185 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 0.10%
```

Run 1: Report of Muses_DecisionTree — Data Link

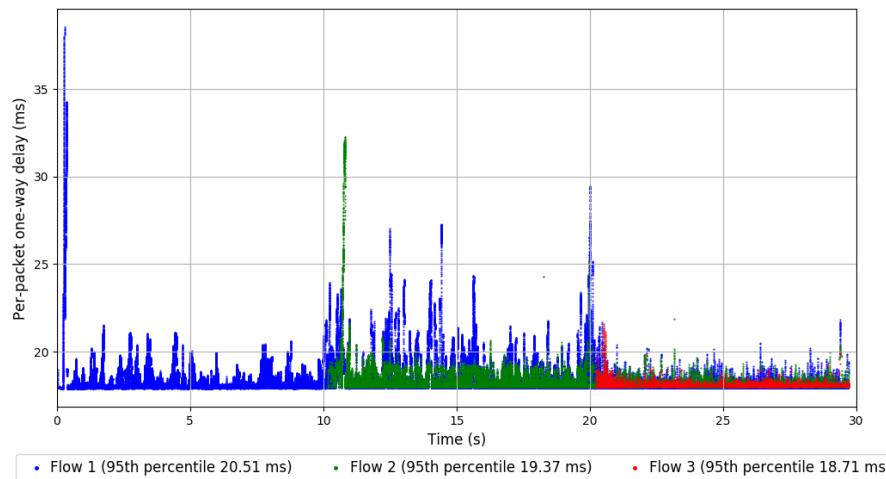
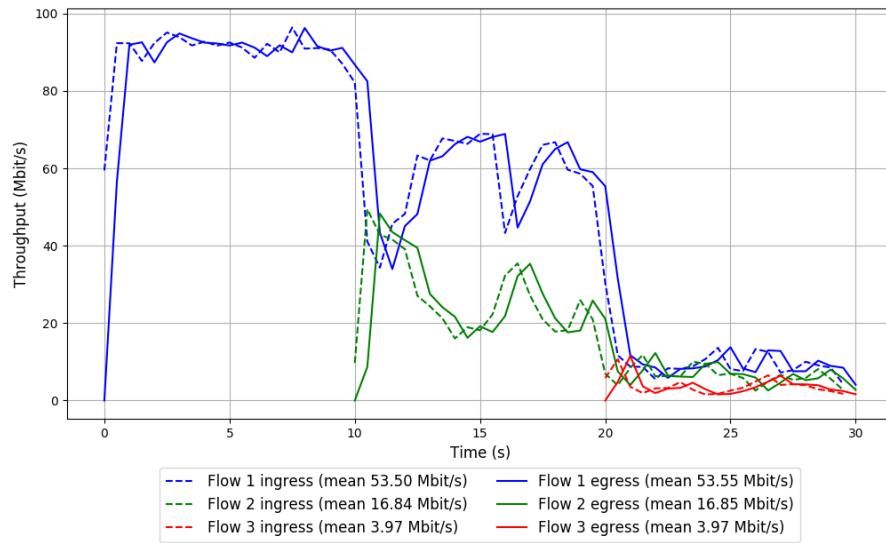


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 11:09:22
End at: 2019-07-18 11:09:52
Local clock offset: -0.293 ms
Remote clock offset: -4.091 ms

# Below is generated by plot.py at 2019-07-18 13:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 20.330 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 20.509 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 18.715 ms
Loss rate: 0.34%
```

Run 2: Report of Muses_DecisionTree — Data Link

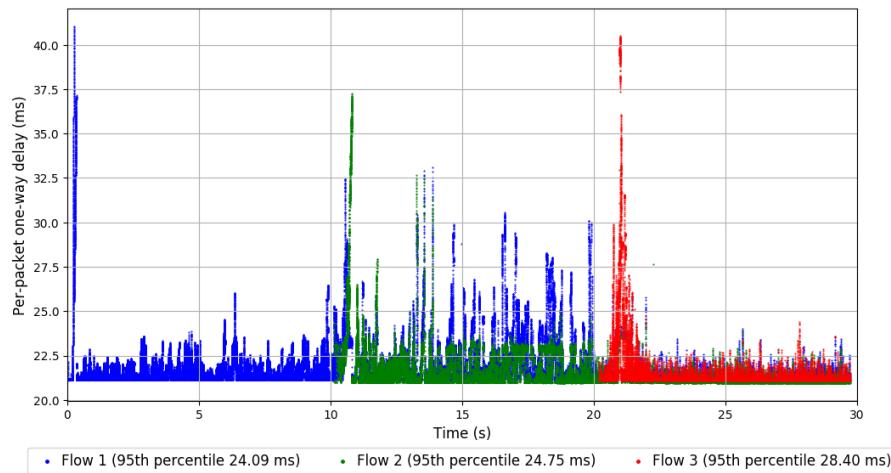
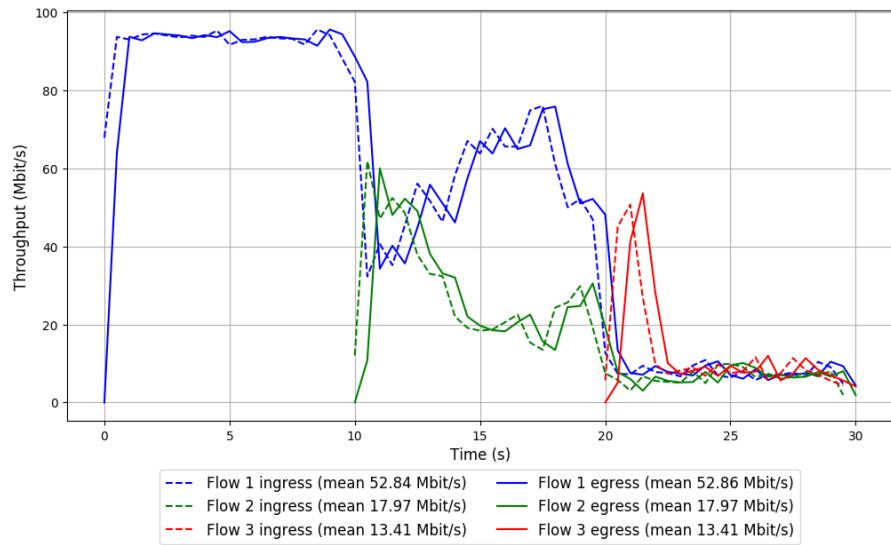


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 11:38:32
End at: 2019-07-18 11:39:02
Local clock offset: 3.416 ms
Remote clock offset: -5.493 ms

# Below is generated by plot.py at 2019-07-18 13:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 24.462 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 24.092 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 24.751 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 28.399 ms
Loss rate: 0.24%
```

Run 3: Report of Muses_DecisionTree — Data Link

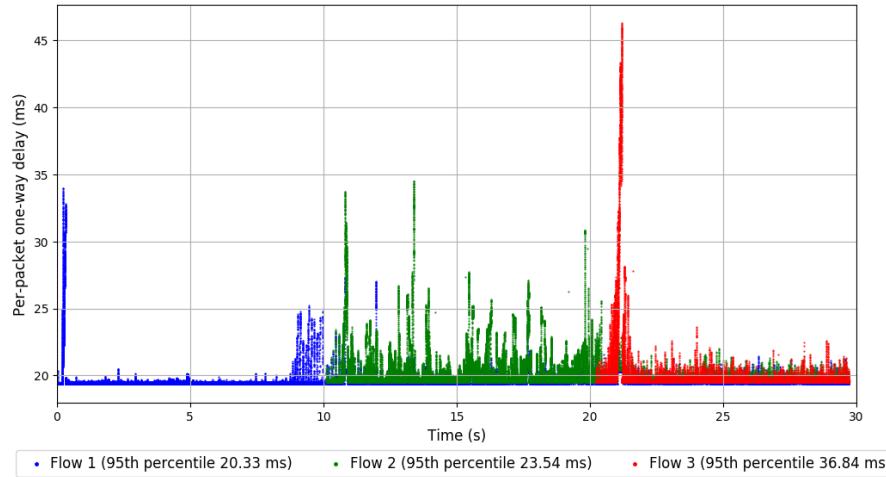
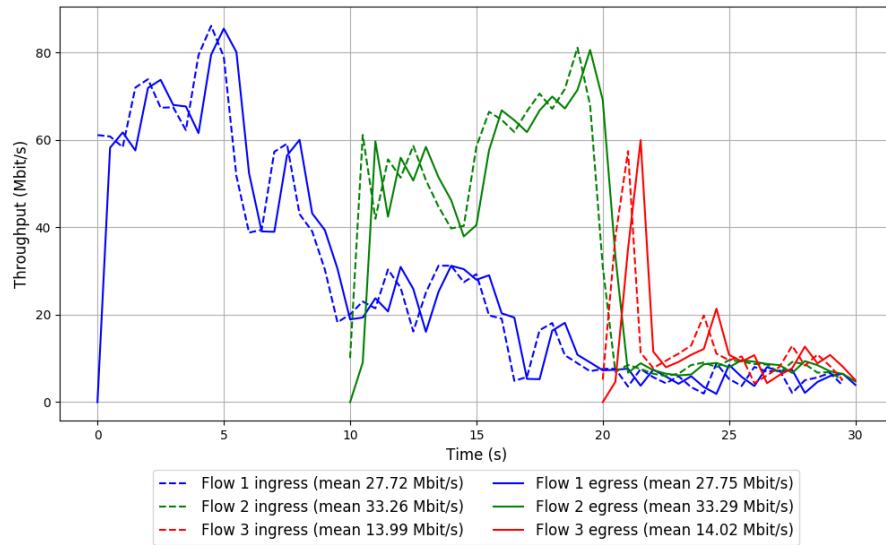


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 12:07:47
End at: 2019-07-18 12:08:17
Local clock offset: 4.275 ms
Remote clock offset: -1.391 ms

# Below is generated by plot.py at 2019-07-18 13:14:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 22.826 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 23.536 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.02 Mbit/s
95th percentile per-packet one-way delay: 36.838 ms
Loss rate: 0.17%
```

Run 4: Report of Muses_DecisionTree — Data Link

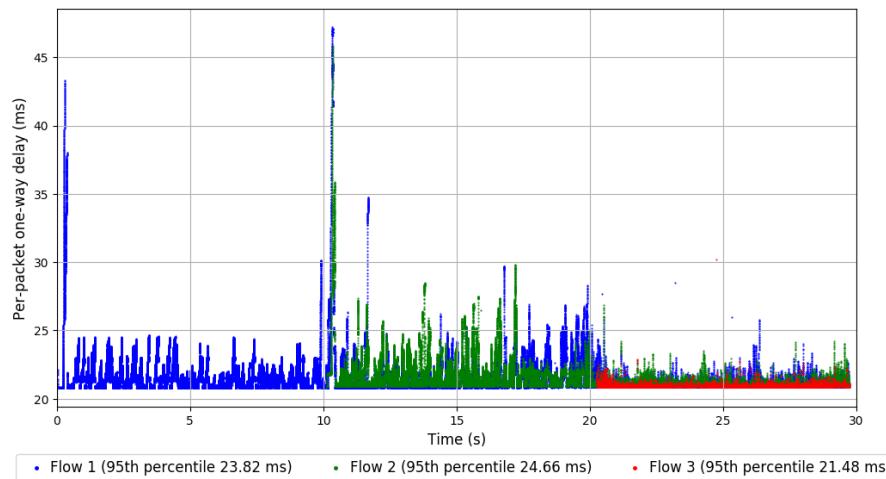
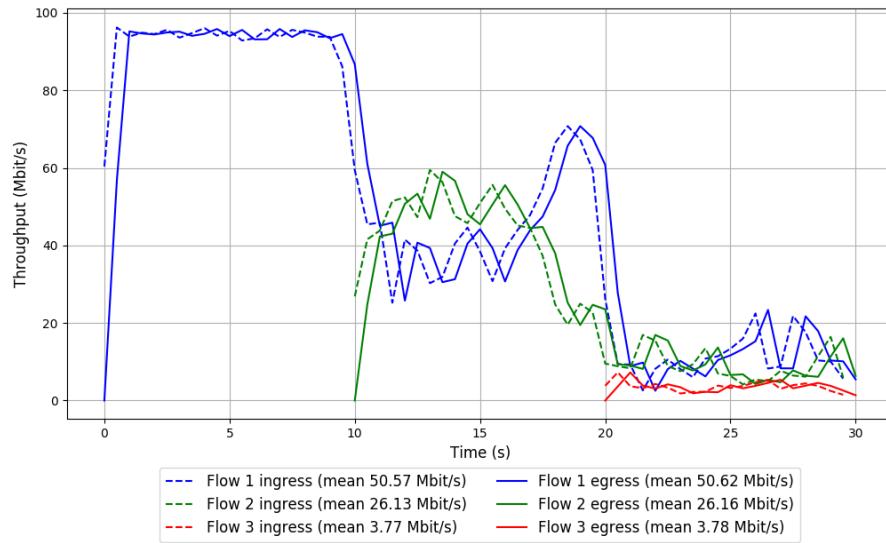


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 12:36:53
End at: 2019-07-18 12:37:23
Local clock offset: 3.364 ms
Remote clock offset: -2.277 ms

# Below is generated by plot.py at 2019-07-18 13:15:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 23.964 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 23.820 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 24.660 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 21.477 ms
Loss rate: 0.19%
```

Run 5: Report of Muses_DecisionTree — Data Link

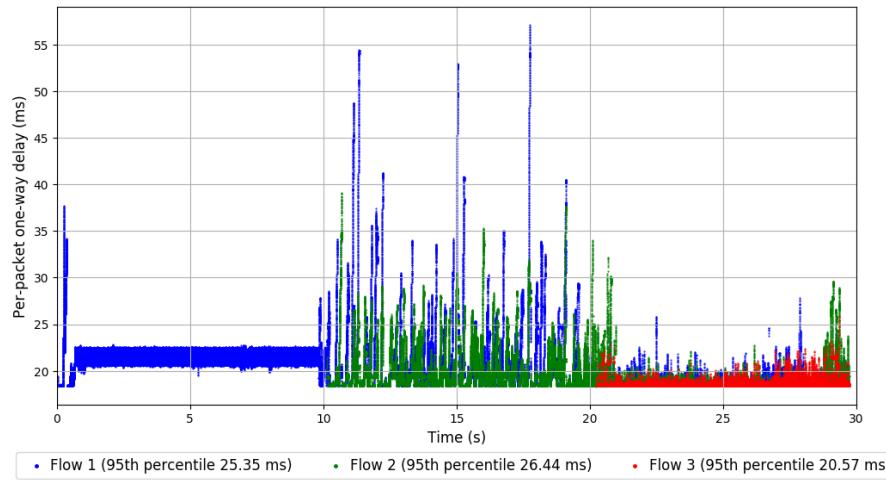
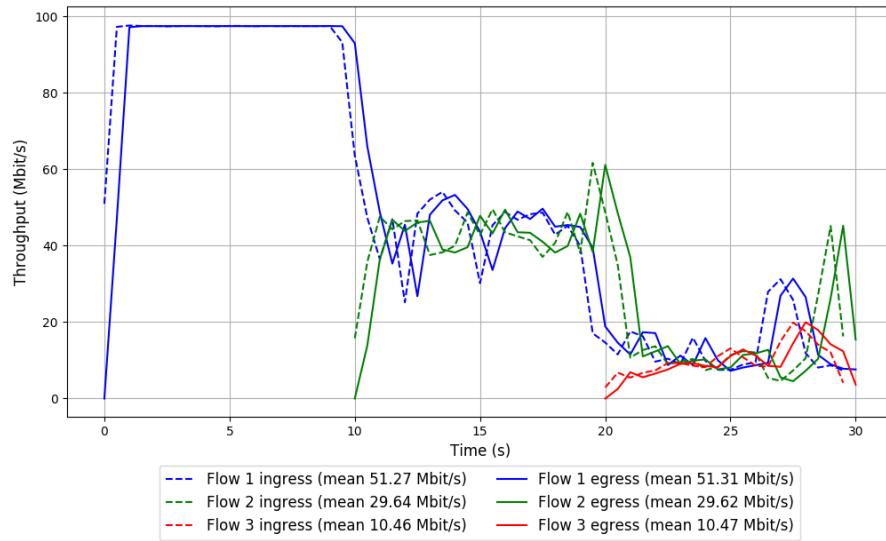


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 11:00:44
End at: 2019-07-18 11:01:14
Local clock offset: -0.533 ms
Remote clock offset: -5.042 ms

# Below is generated by plot.py at 2019-07-18 13:15:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 25.616 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 25.347 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 26.438 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 20.574 ms
Loss rate: 0.27%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

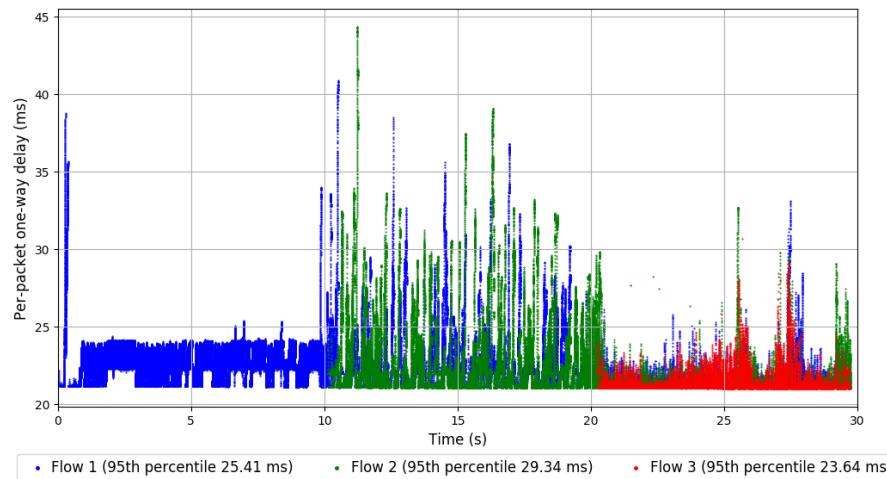
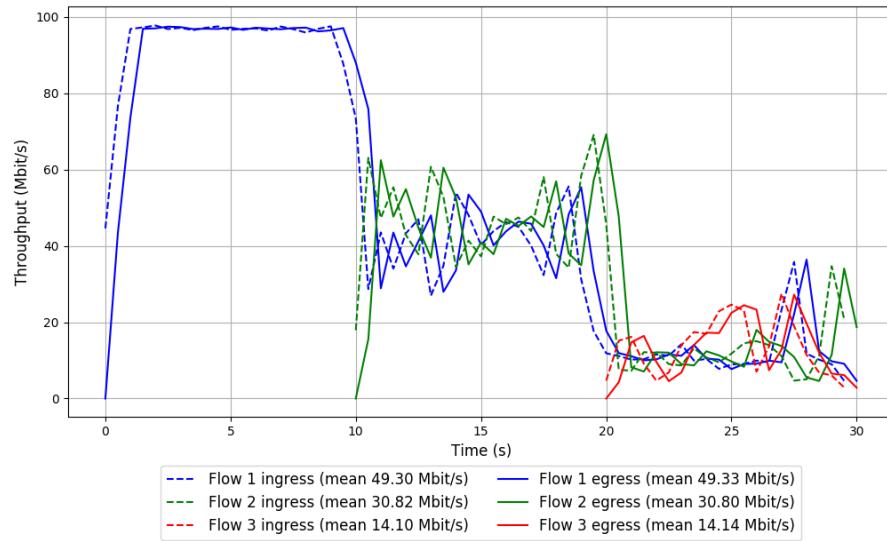


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 11:30:01
End at: 2019-07-18 11:30:31
Local clock offset: 2.886 ms
Remote clock offset: -4.898 ms

# Below is generated by plot.py at 2019-07-18 13:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 26.968 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 25.408 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 29.337 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 23.640 ms
Loss rate: 0.10%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

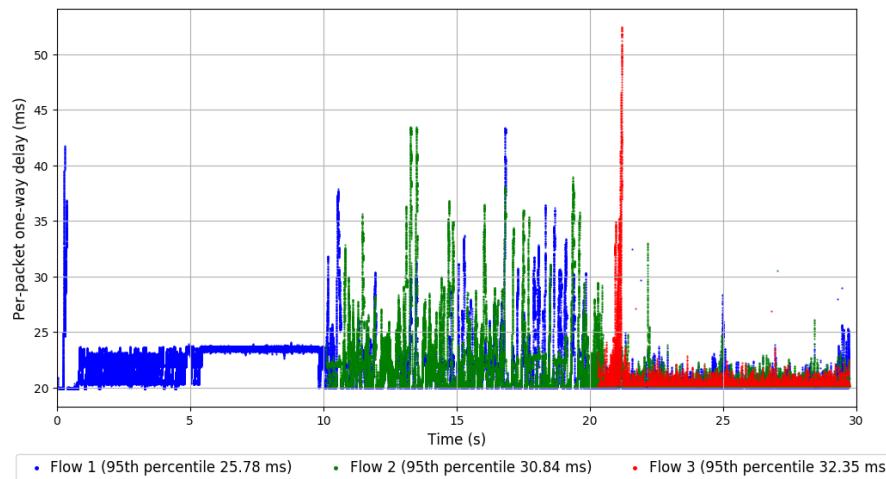
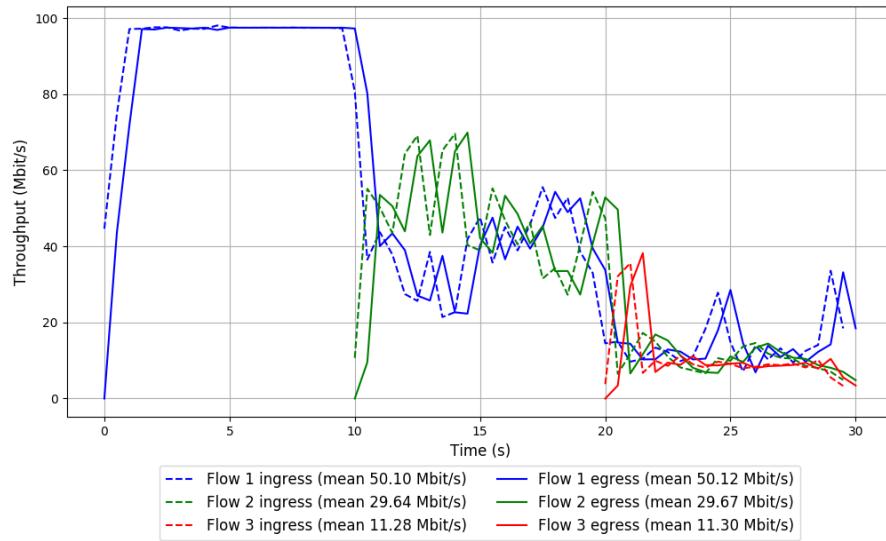


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 11:59:02
End at: 2019-07-18 11:59:32
Local clock offset: 5.037 ms
Remote clock offset: -2.176 ms

# Below is generated by plot.py at 2019-07-18 13:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.36 Mbit/s
95th percentile per-packet one-way delay: 27.717 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 25.784 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 32.355 ms
Loss rate: 0.08%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

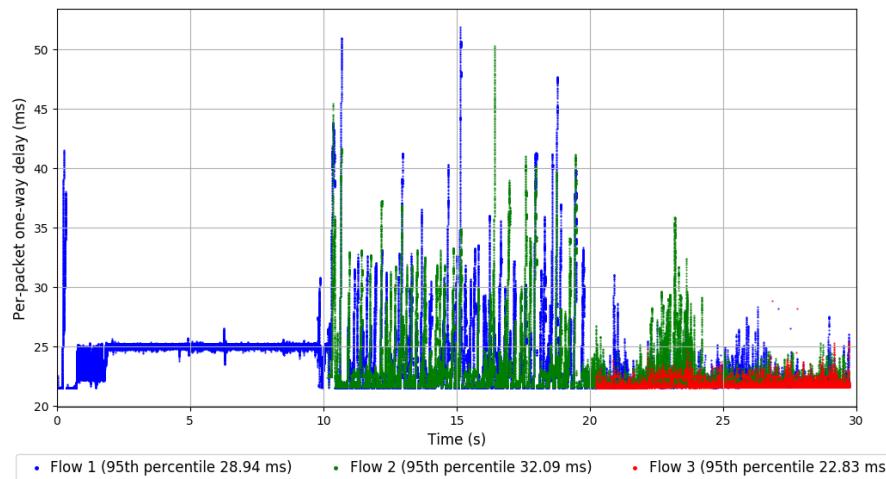
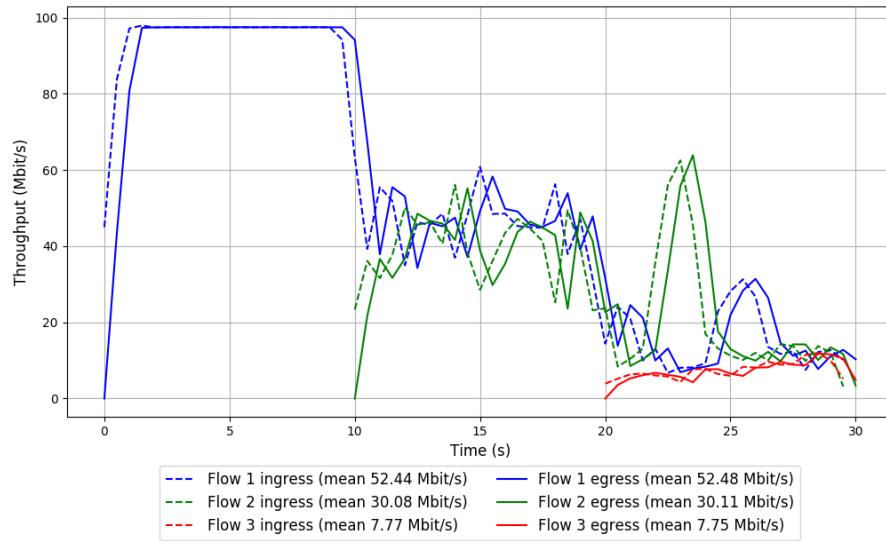


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 12:28:18
End at: 2019-07-18 12:28:48
Local clock offset: 4.032 ms
Remote clock offset: -3.507 ms

# Below is generated by plot.py at 2019-07-18 13:15:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 29.949 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 28.943 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 32.086 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 22.829 ms
Loss rate: 0.46%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

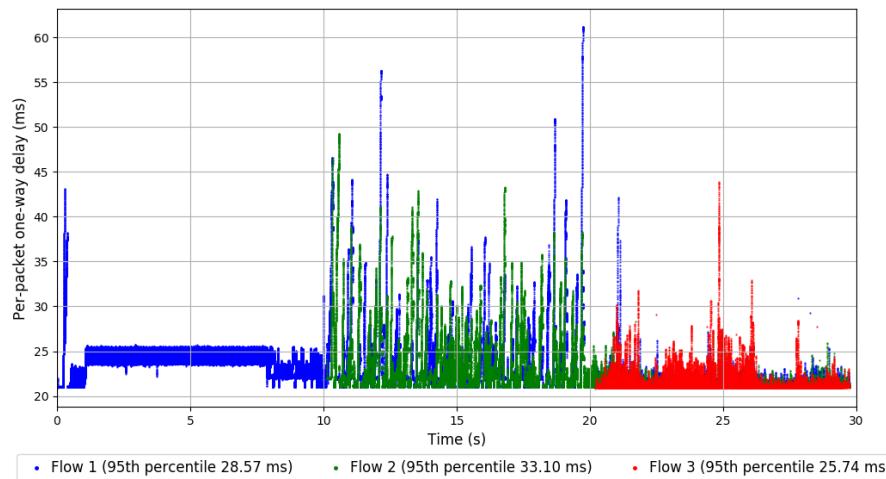
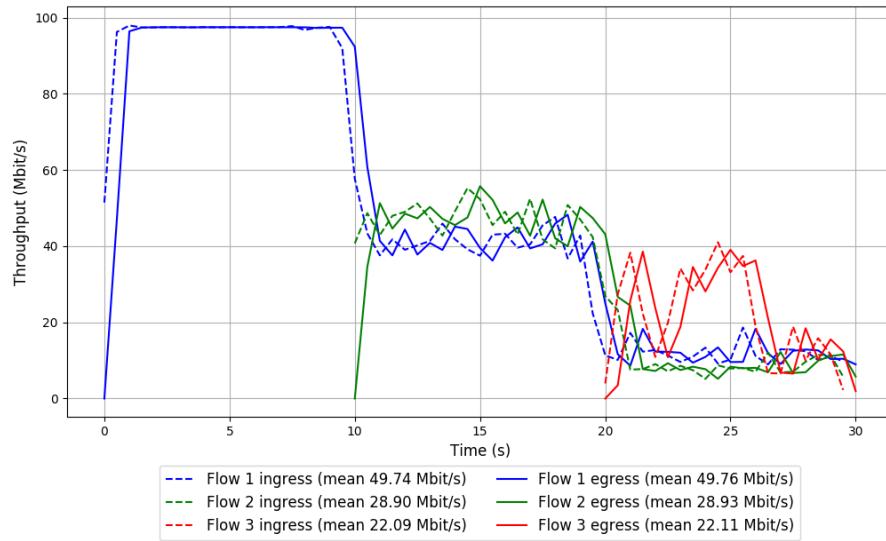


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 12:57:27
End at: 2019-07-18 12:57:57
Local clock offset: 4.565 ms
Remote clock offset: -1.265 ms

# Below is generated by plot.py at 2019-07-18 13:15:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 30.029 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 28.568 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 33.099 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 25.739 ms
Loss rate: 0.07%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

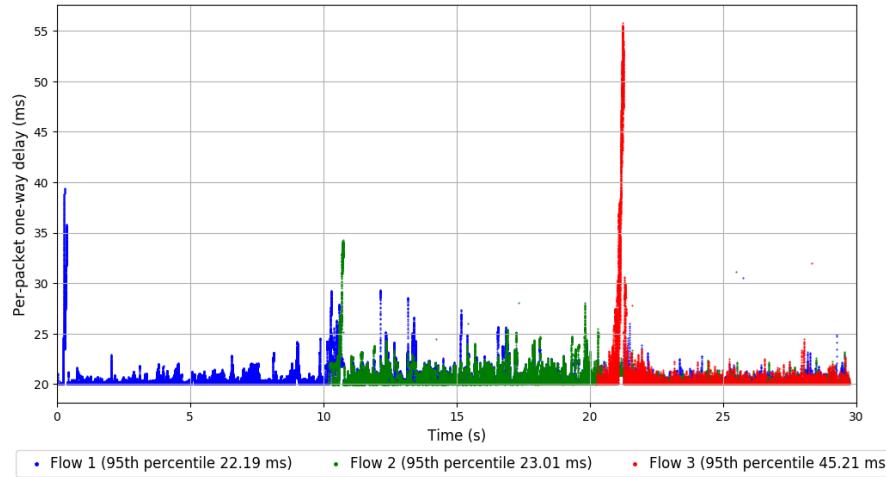
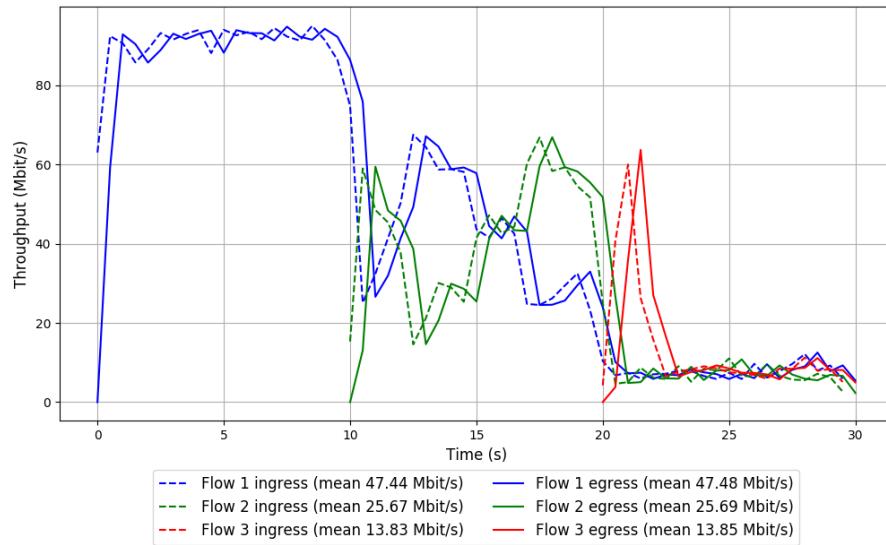


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 10:47:38
End at: 2019-07-18 10:48:08
Local clock offset: -0.475 ms
Remote clock offset: -7.079 ms

# Below is generated by plot.py at 2019-07-18 13:15:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 22.857 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 22.194 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 23.010 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 45.211 ms
Loss rate: 0.17%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

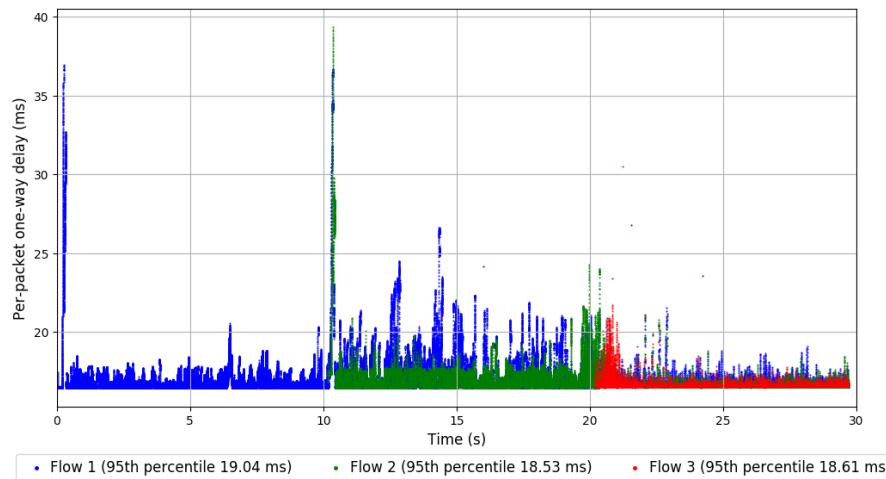
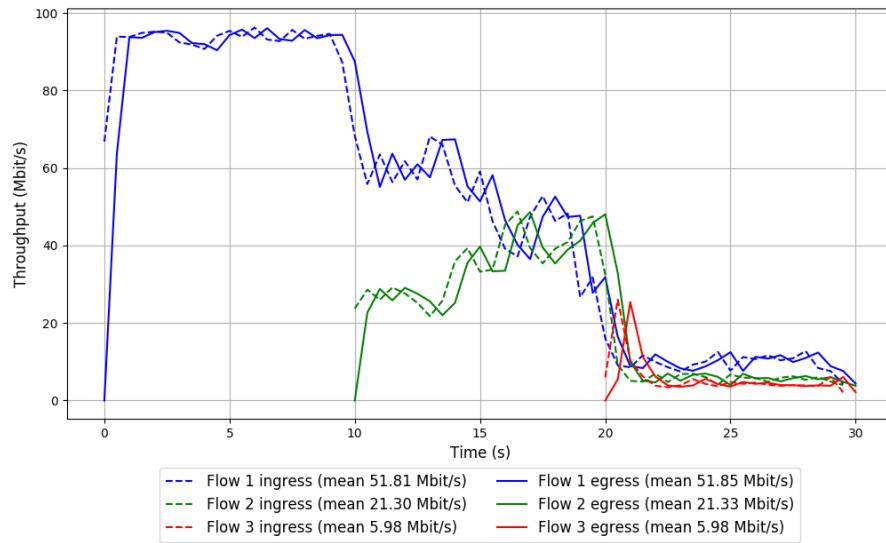


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 11:16:49
End at: 2019-07-18 11:17:19
Local clock offset: -0.891 ms
Remote clock offset: -2.908 ms

# Below is generated by plot.py at 2019-07-18 13:15:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 18.529 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 18.608 ms
Loss rate: 0.16%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

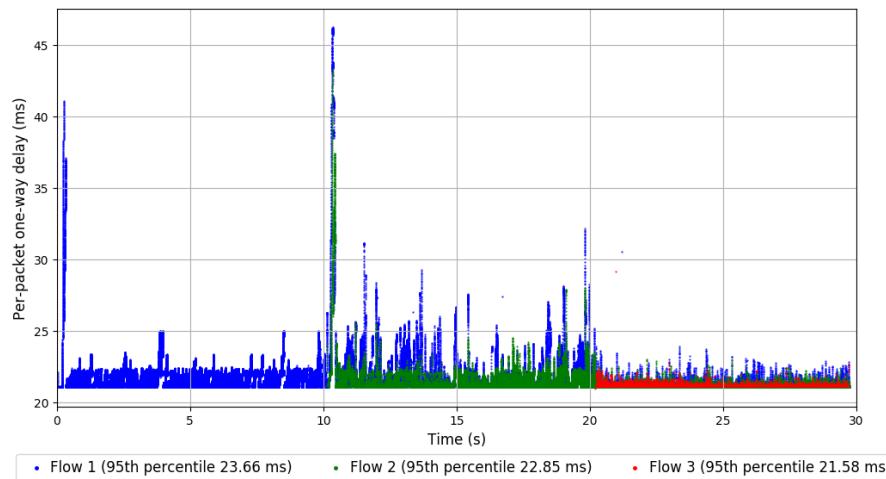
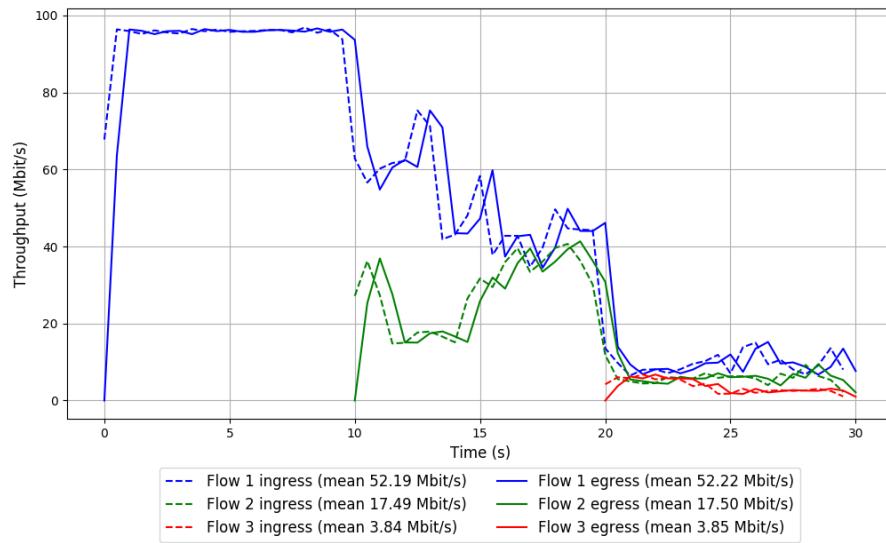


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 11:45:48
End at: 2019-07-18 11:46:18
Local clock offset: 4.574 ms
Remote clock offset: -4.733 ms

# Below is generated by plot.py at 2019-07-18 13:15:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 23.512 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 52.22 Mbit/s
95th percentile per-packet one-way delay: 23.662 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 22.849 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 21.584 ms
Loss rate: 0.19%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

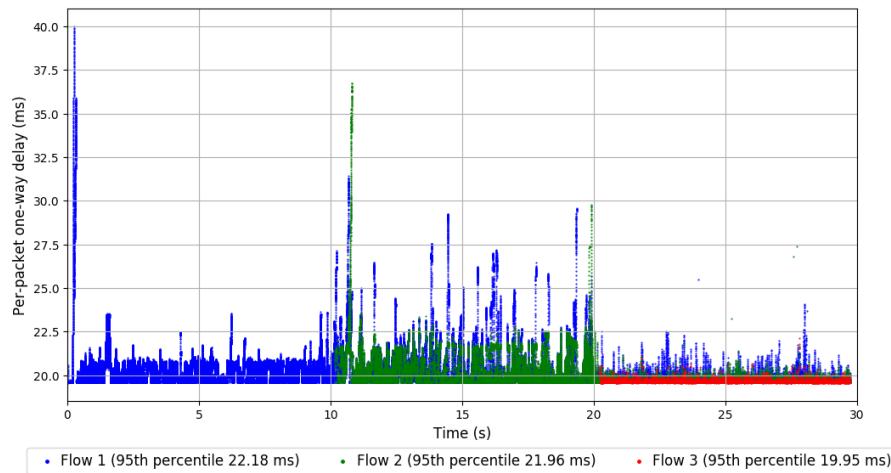
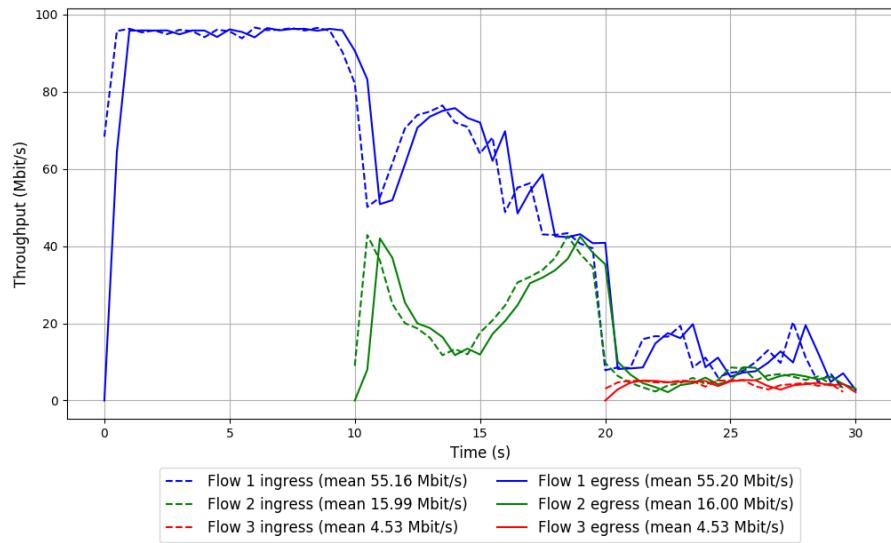


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 12:15:11
End at: 2019-07-18 12:15:41
Local clock offset: 4.136 ms
Remote clock offset: -1.684 ms

# Below is generated by plot.py at 2019-07-18 13:15:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 22.105 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 22.178 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 21.959 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 19.949 ms
Loss rate: 0.30%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

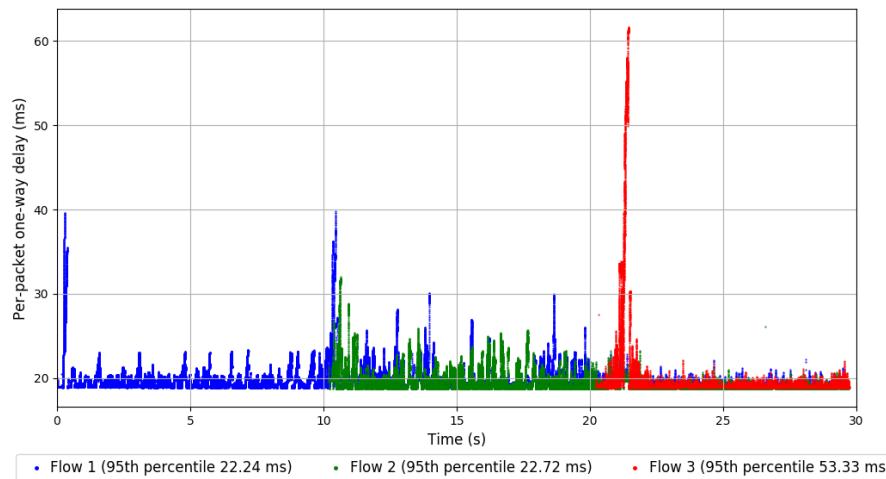
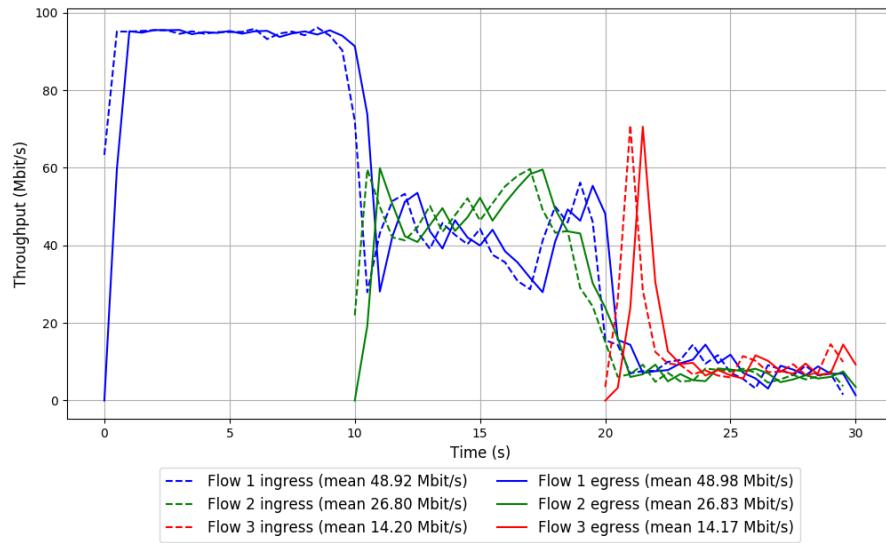


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 12:44:07
End at: 2019-07-18 12:44:37
Local clock offset: 3.845 ms
Remote clock offset: 0.567 ms

# Below is generated by plot.py at 2019-07-18 13:16:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.18 Mbit/s
95th percentile per-packet one-way delay: 22.834 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 22.237 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 22.720 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 53.331 ms
Loss rate: 0.48%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

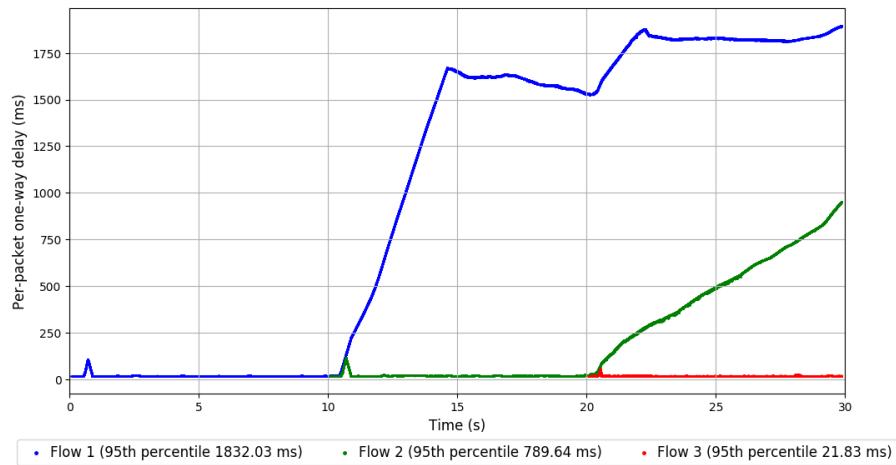
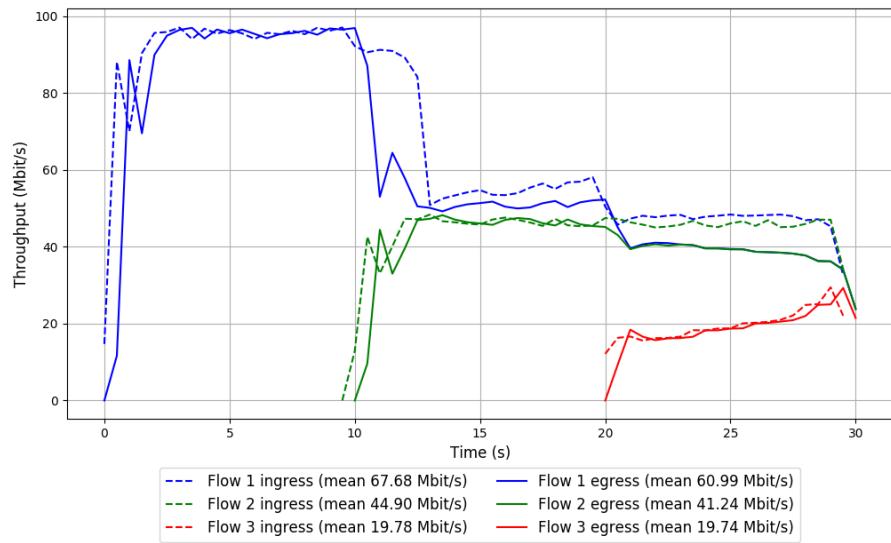


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-18 11:05:46
End at: 2019-07-18 11:06:16
Local clock offset: -1.106 ms
Remote clock offset: -5.967 ms

# Below is generated by plot.py at 2019-07-18 13:16:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 1829.082 ms
Loss rate: 8.88%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 1832.028 ms
Loss rate: 9.96%
-- Flow 2:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 789.638 ms
Loss rate: 8.29%
-- Flow 3:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 21.832 ms
Loss rate: 0.47%
```

Run 1: Report of PCC-Allegro — Data Link

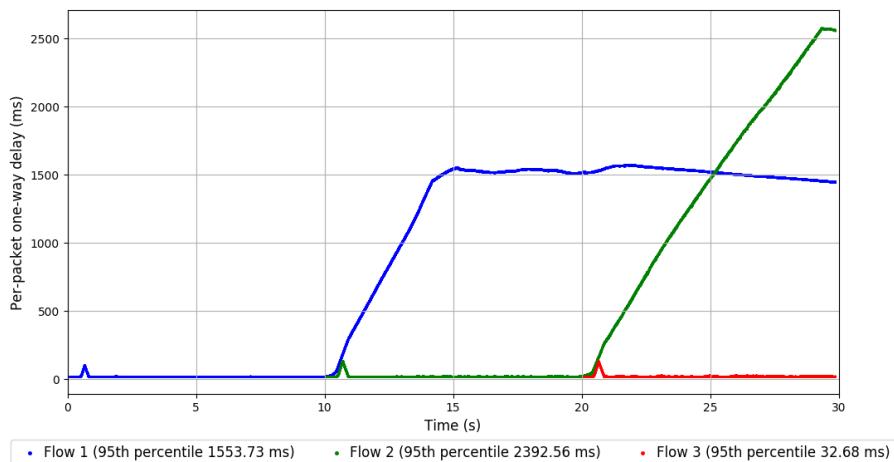
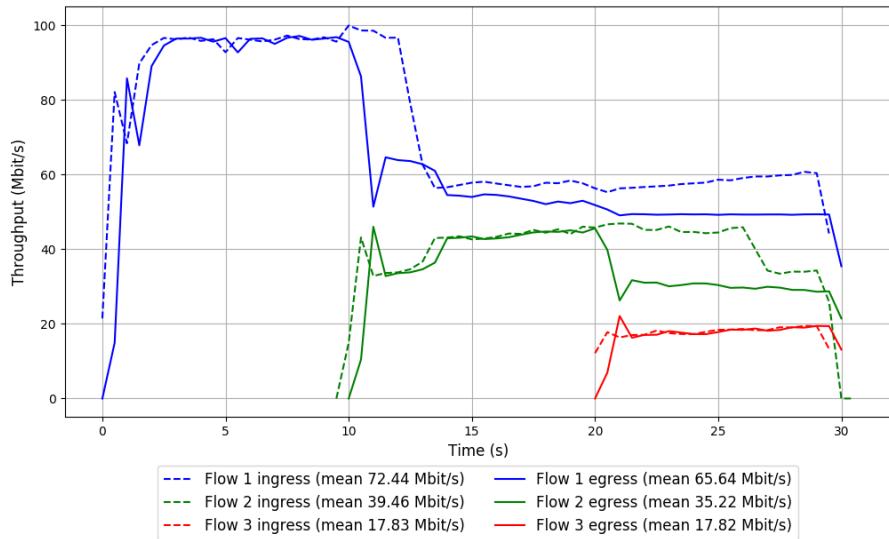


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-18 11:34:57
End at: 2019-07-18 11:35:27
Local clock offset: 4.041 ms
Remote clock offset: -4.98 ms

# Below is generated by plot.py at 2019-07-18 13:16:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 1572.955 ms
Loss rate: 10.19%
-- Flow 1:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 1553.726 ms
Loss rate: 9.45%
-- Flow 2:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 2392.556 ms
Loss rate: 14.28%
-- Flow 3:
Average throughput: 17.82 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 0.36%
```

Run 2: Report of PCC-Allegro — Data Link

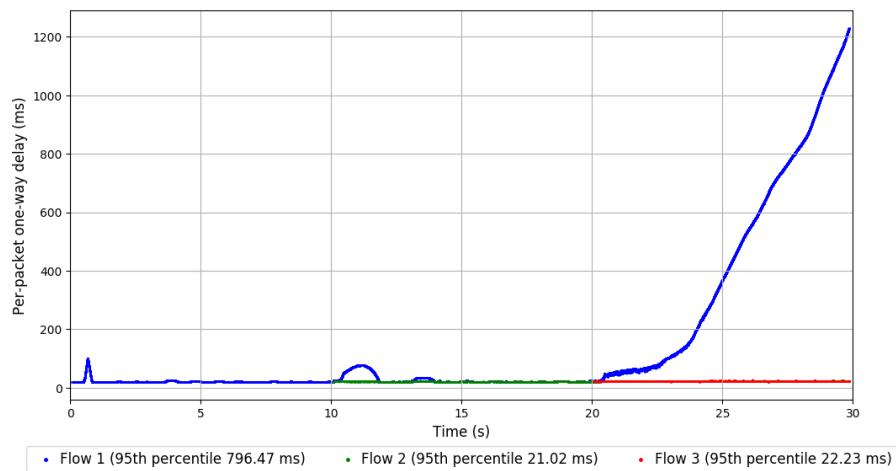
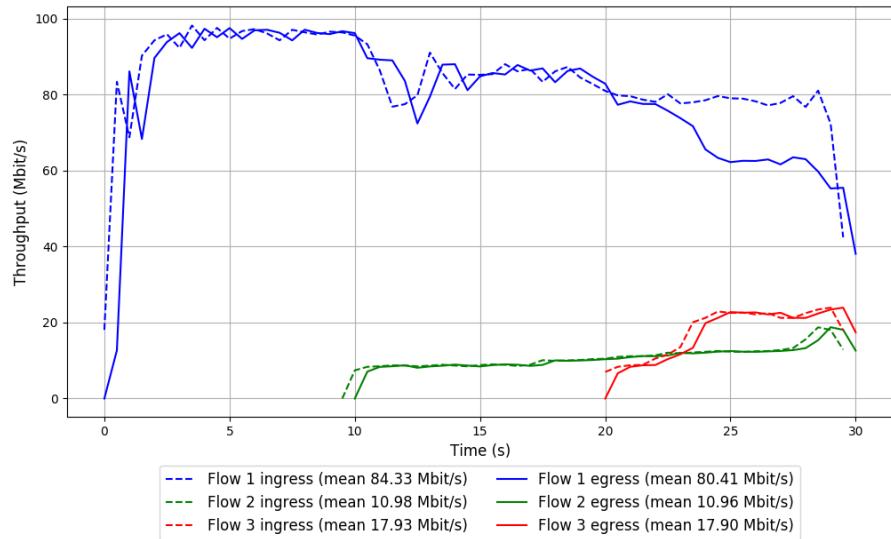


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-18 12:04:14
End at: 2019-07-18 12:04:44
Local clock offset: 4.285 ms
Remote clock offset: -1.919 ms

# Below is generated by plot.py at 2019-07-18 13:16:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 753.928 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 796.470 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 21.016 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 22.233 ms
Loss rate: 0.44%
```

Run 3: Report of PCC-Allegro — Data Link

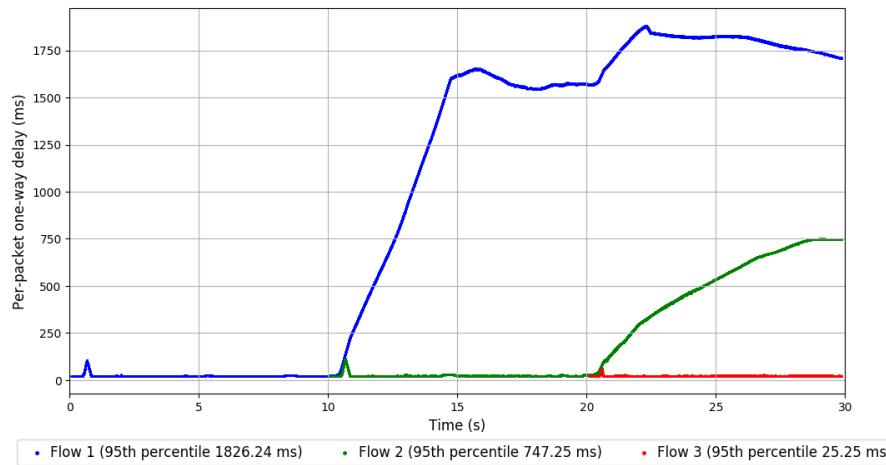
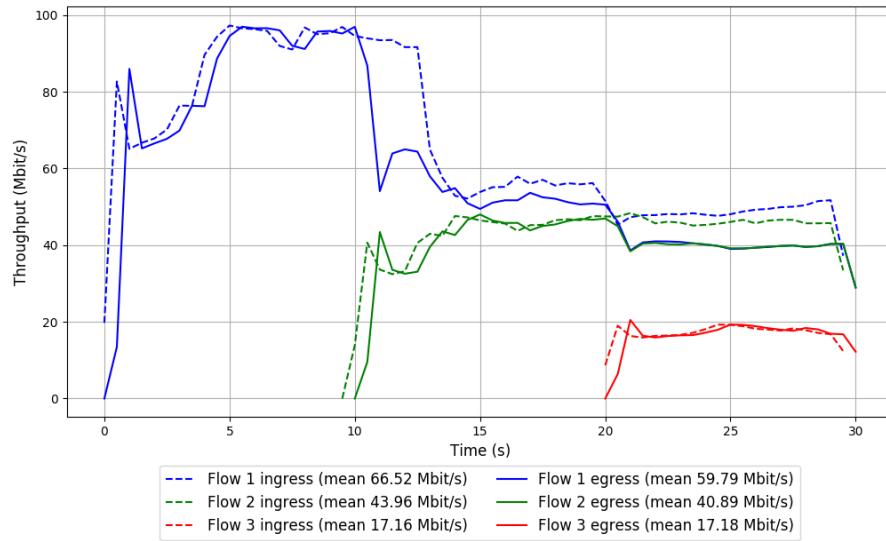


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-18 12:33:16
End at: 2019-07-18 12:33:46
Local clock offset: 4.167 ms
Remote clock offset: -3.081 ms

# Below is generated by plot.py at 2019-07-18 13:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 1823.022 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 1826.243 ms
Loss rate: 10.17%
-- Flow 2:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 747.249 ms
Loss rate: 7.13%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 25.248 ms
Loss rate: 0.29%
```

Run 4: Report of PCC-Allegro — Data Link

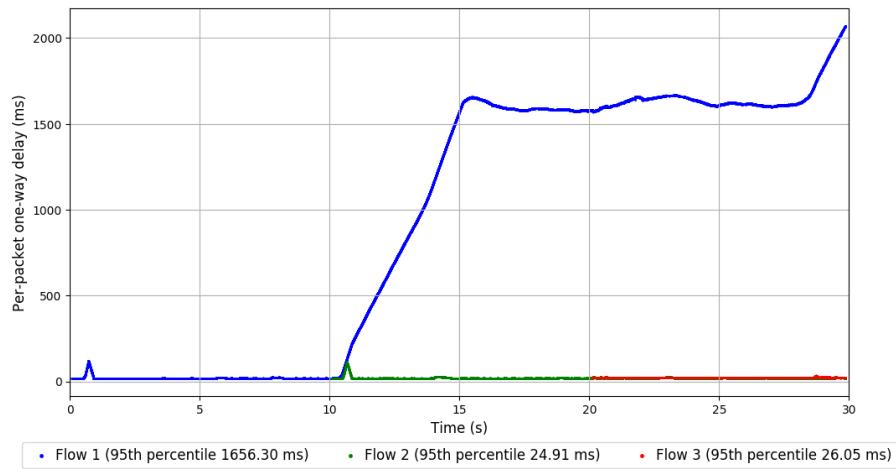
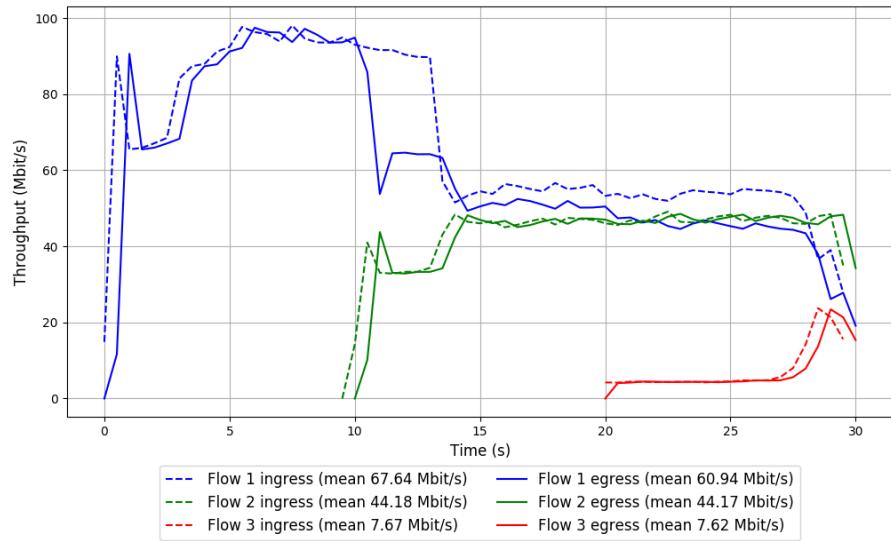


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-18 13:02:46
End at: 2019-07-18 13:03:16
Local clock offset: 3.221 ms
Remote clock offset: -0.293 ms

# Below is generated by plot.py at 2019-07-18 13:16:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 1648.886 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 60.94 Mbit/s
95th percentile per-packet one-way delay: 1656.295 ms
Loss rate: 9.97%
-- Flow 2:
Average throughput: 44.17 Mbit/s
95th percentile per-packet one-way delay: 24.909 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 26.046 ms
Loss rate: 0.93%
```

Run 5: Report of PCC-Allegro — Data Link

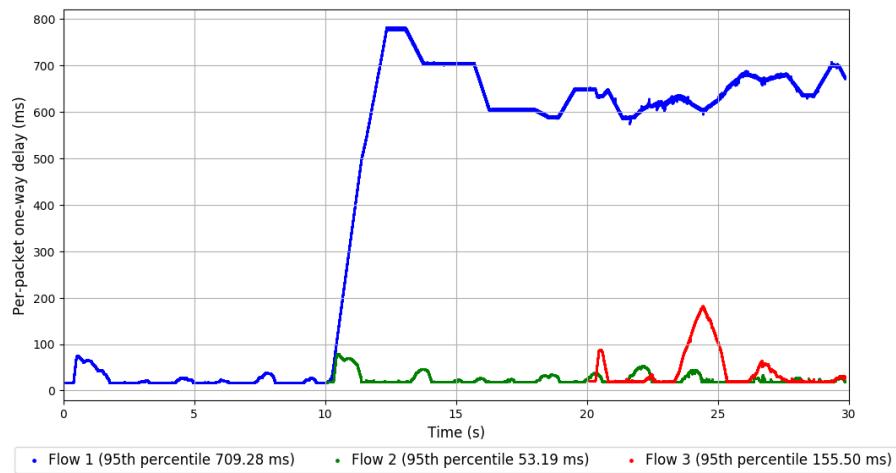
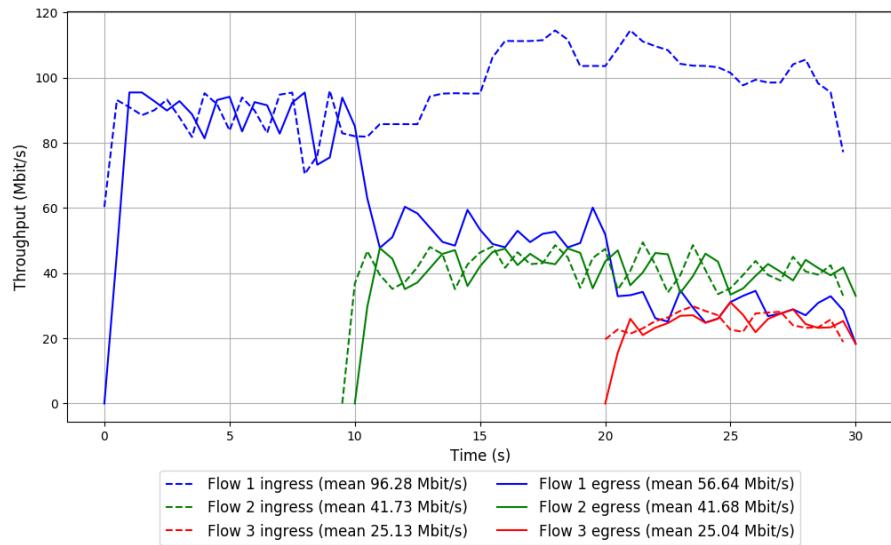


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-18 11:04:22
End at: 2019-07-18 11:04:52
Local clock offset: -1.614 ms
Remote clock offset: -5.09 ms

# Below is generated by plot.py at 2019-07-18 13:18:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 704.227 ms
Loss rate: 30.09%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 709.278 ms
Loss rate: 41.22%
-- Flow 2:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 53.189 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 155.500 ms
Loss rate: 0.68%
```

Run 1: Report of PCC-Expr — Data Link

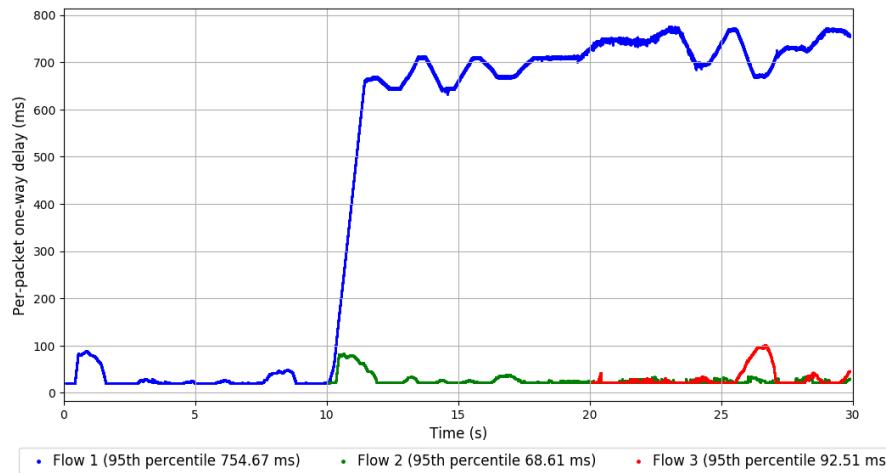
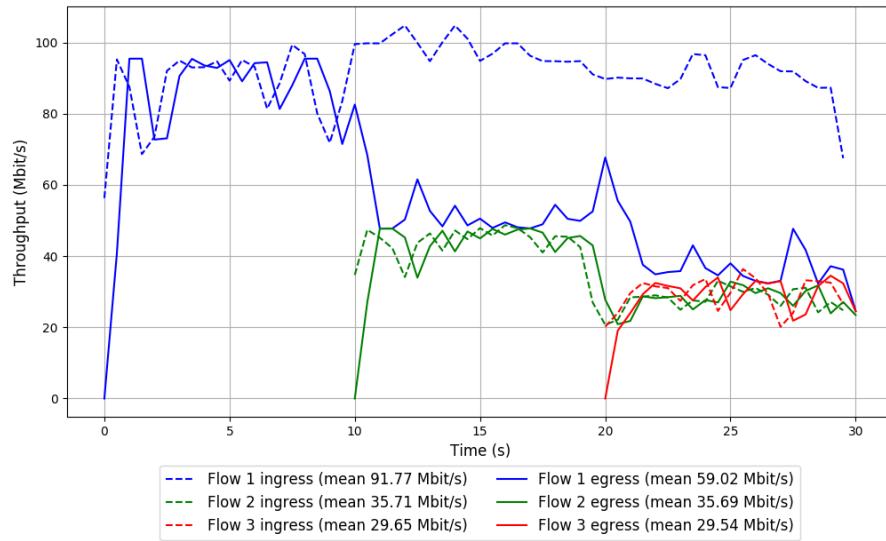


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-18 11:33:38
End at: 2019-07-18 11:34:08
Local clock offset: 3.942 ms
Remote clock offset: -3.832 ms

# Below is generated by plot.py at 2019-07-18 13:18:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 746.562 ms
Loss rate: 26.28%
-- Flow 1:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 754.667 ms
Loss rate: 35.75%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 68.607 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 92.511 ms
Loss rate: 0.68%
```

Run 2: Report of PCC-Expr — Data Link

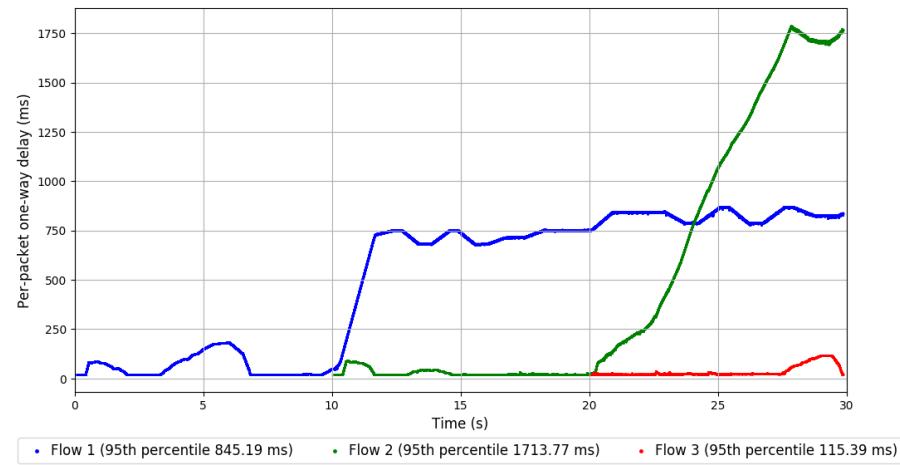
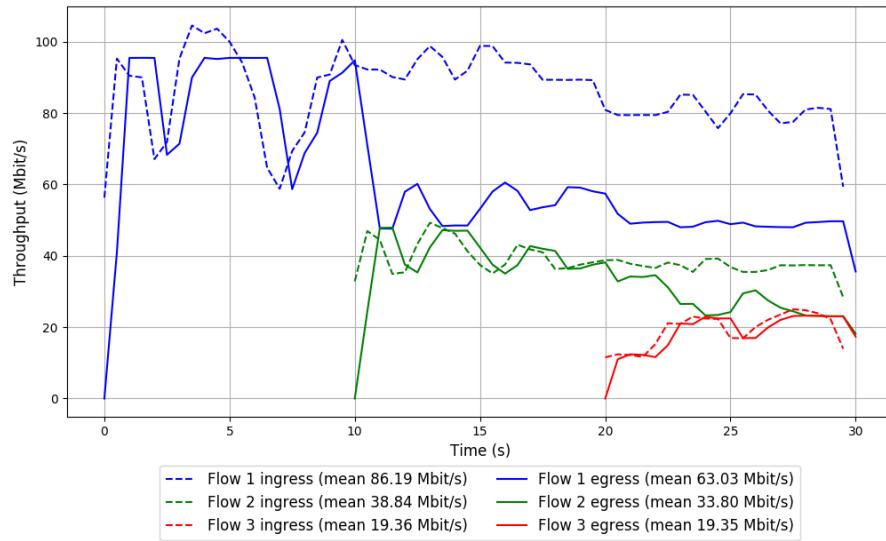


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-18 12:02:54
End at: 2019-07-18 12:03:24
Local clock offset: 3.637 ms
Remote clock offset: -2.627 ms

# Below is generated by plot.py at 2019-07-18 13:18:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 871.440 ms
Loss rate: 22.50%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 845.192 ms
Loss rate: 26.96%
-- Flow 2:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 1713.771 ms
Loss rate: 13.09%
-- Flow 3:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 115.386 ms
Loss rate: 0.37%
```

Run 3: Report of PCC-Expr — Data Link

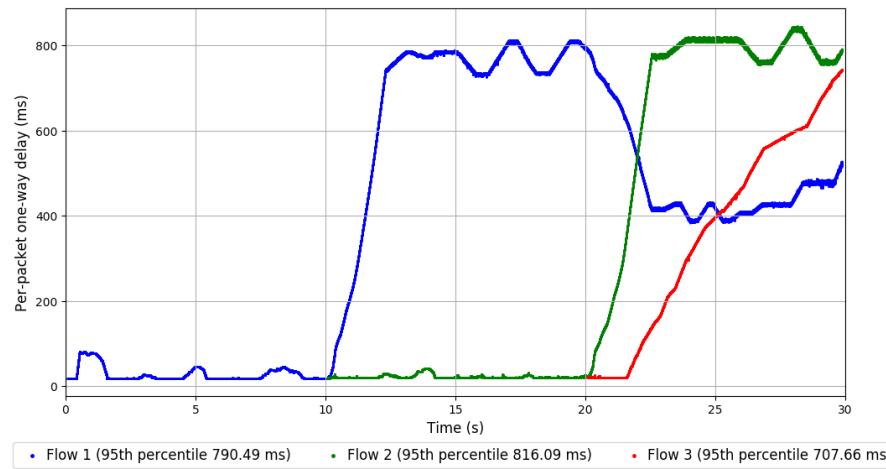
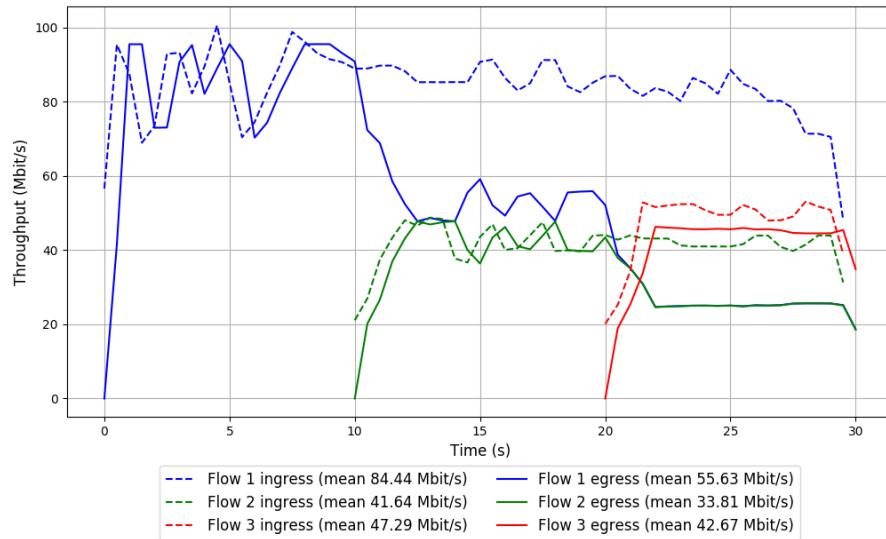


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-18 12:31:58
End at: 2019-07-18 12:32:28
Local clock offset: 3.037 ms
Remote clock offset: -0.941 ms

# Below is generated by plot.py at 2019-07-18 13:18:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 802.565 ms
Loss rate: 27.94%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 790.490 ms
Loss rate: 34.20%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 816.092 ms
Loss rate: 18.95%
-- Flow 3:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 707.665 ms
Loss rate: 10.03%
```

Run 4: Report of PCC-Expr — Data Link

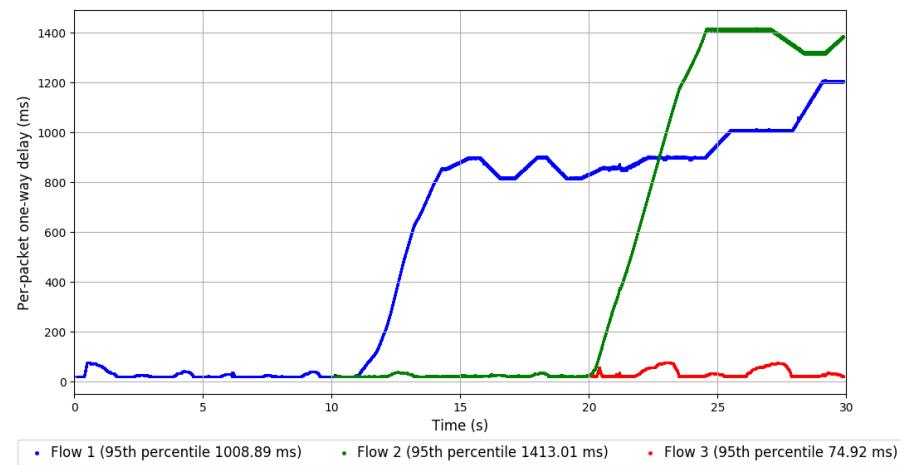
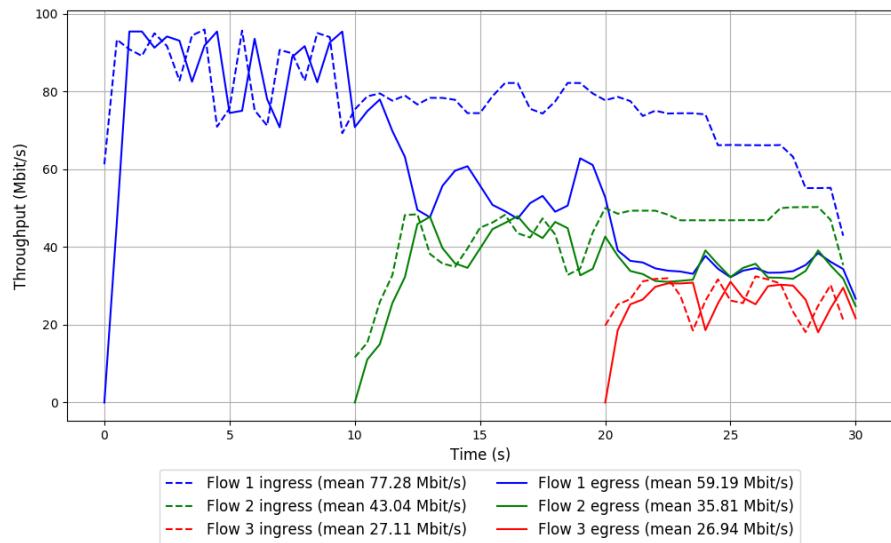


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-18 13:01:16
End at: 2019-07-18 13:01:46
Local clock offset: 4.302 ms
Remote clock offset: -1.944 ms

# Below is generated by plot.py at 2019-07-18 13:18:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 1339.140 ms
Loss rate: 20.09%
-- Flow 1:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 1008.893 ms
Loss rate: 23.48%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 1413.009 ms
Loss rate: 16.92%
-- Flow 3:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 74.917 ms
Loss rate: 0.91%
```

Run 5: Report of PCC-Expr — Data Link

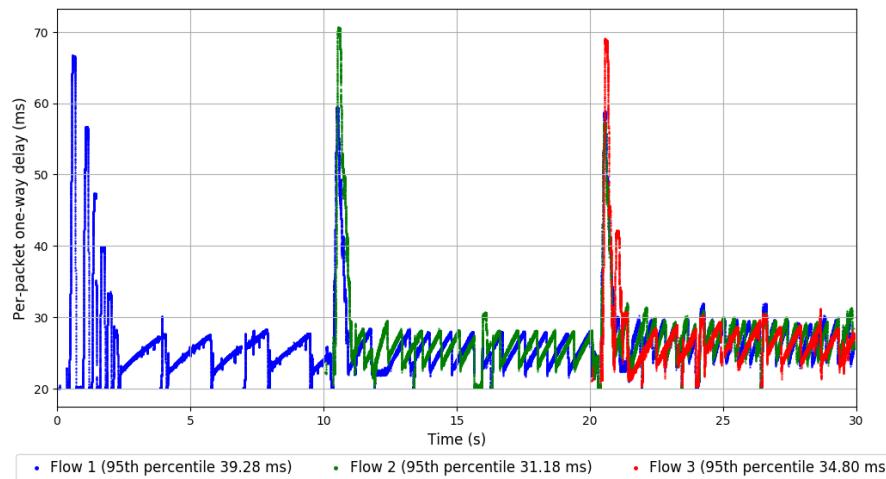
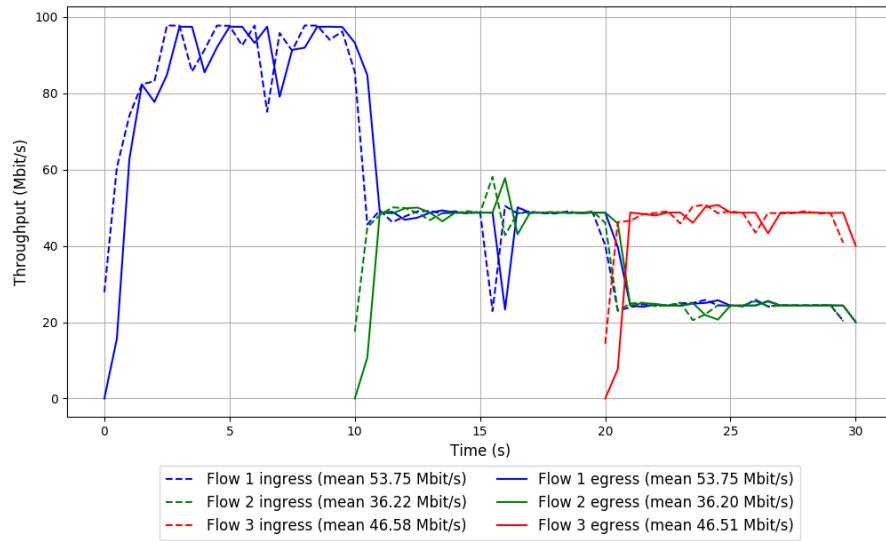


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-07-18 10:52:28
End at: 2019-07-18 10:52:58
Local clock offset: -0.29 ms
Remote clock offset: -6.782 ms

# Below is generated by plot.py at 2019-07-18 13:18:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 35.717 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 39.279 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 31.178 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 34.797 ms
Loss rate: 0.40%
```

Run 1: Report of QUIC Cubic — Data Link

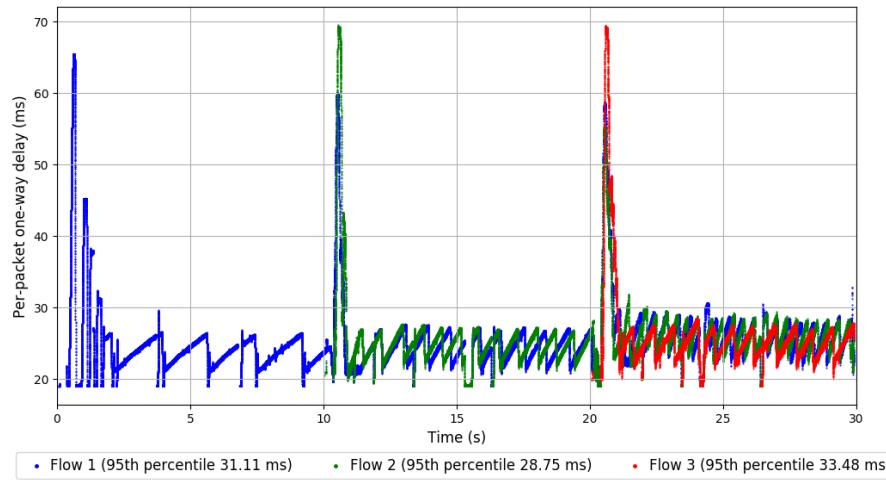
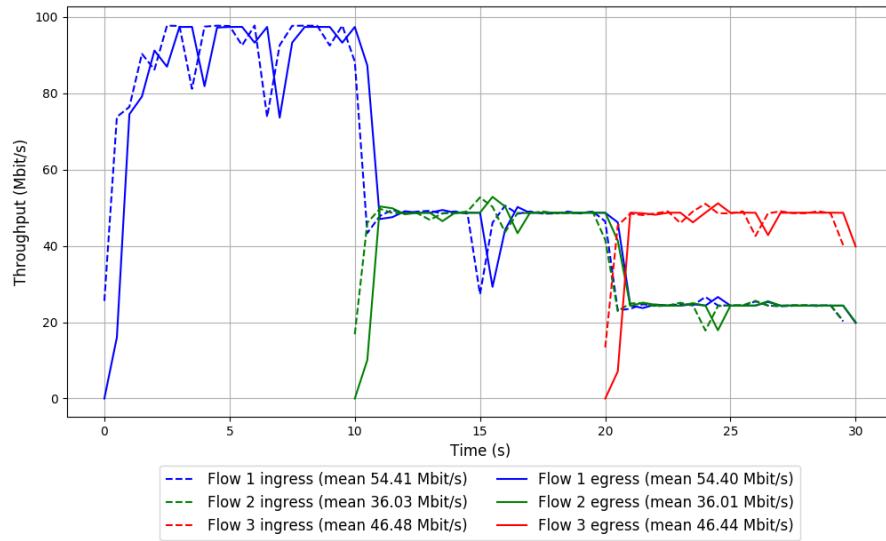


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-18 11:21:43
End at: 2019-07-18 11:22:13
Local clock offset: -1.406 ms
Remote clock offset: -5.743 ms

# Below is generated by plot.py at 2019-07-18 13:18:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 30.819 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 28.750 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 33.475 ms
Loss rate: 0.36%
```

Run 2: Report of QUIC Cubic — Data Link

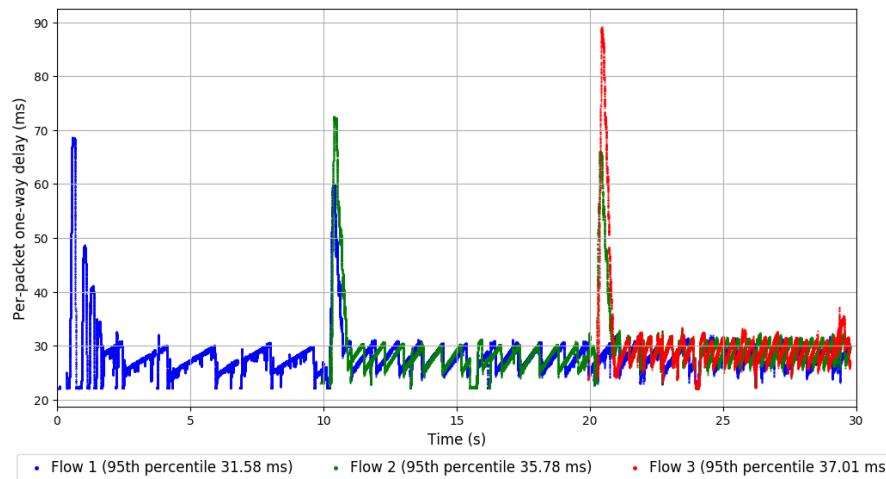
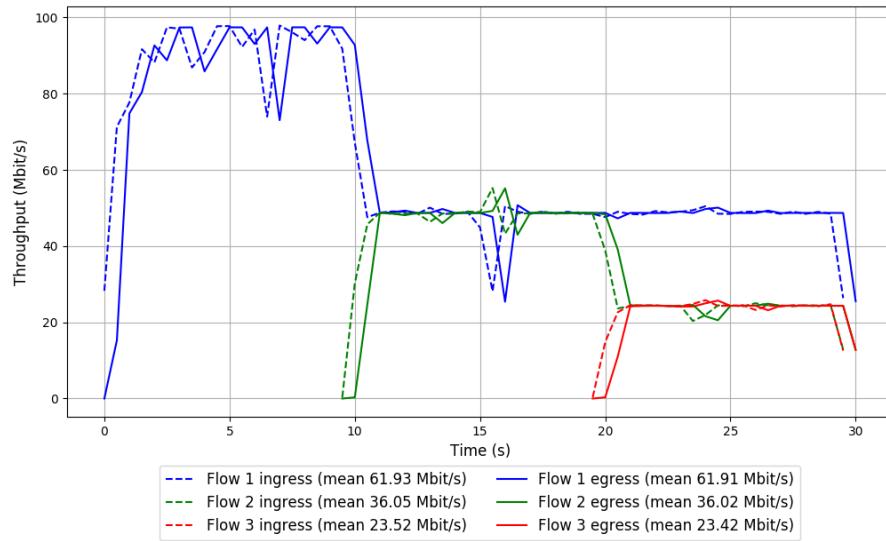


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-18 11:50:39
End at: 2019-07-18 11:51:09
Local clock offset: 5.731 ms
Remote clock offset: -4.822 ms

# Below is generated by plot.py at 2019-07-18 13:18:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 32.720 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 31.584 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 35.780 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 37.012 ms
Loss rate: 0.66%
```

Run 3: Report of QUIC Cubic — Data Link

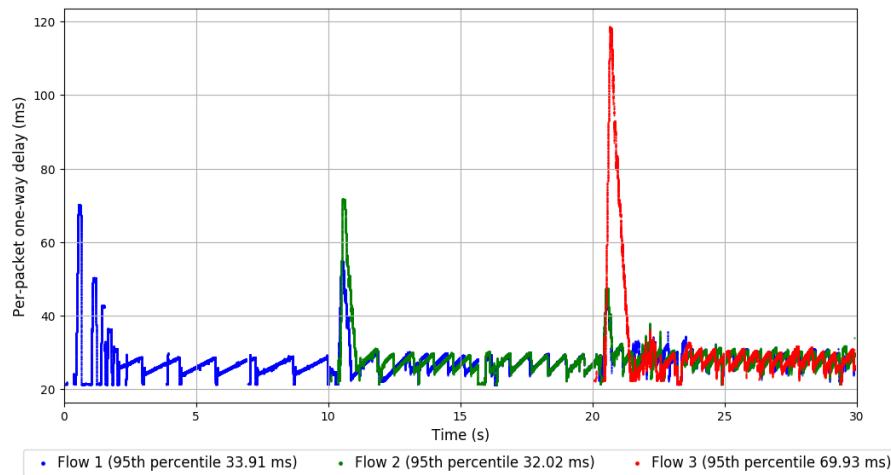
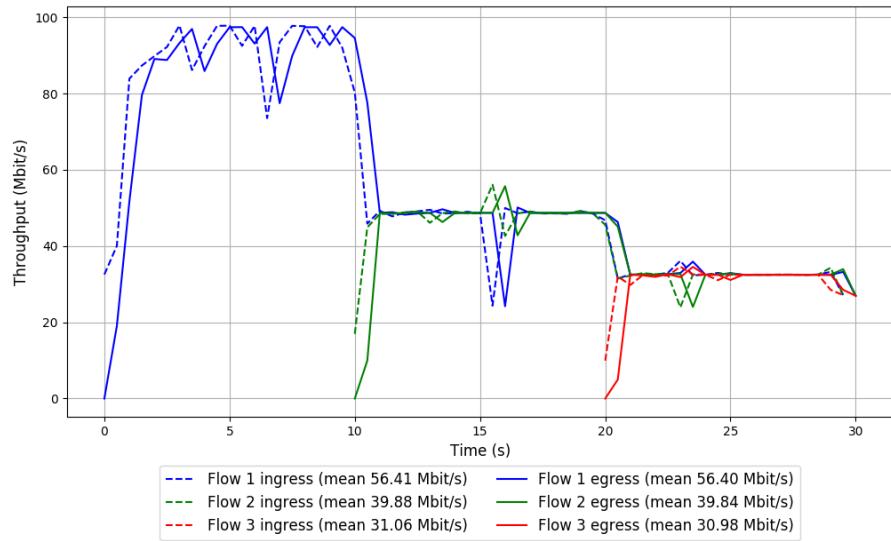


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-18 12:20:03
End at: 2019-07-18 12:20:33
Local clock offset: 3.808 ms
Remote clock offset: -3.827 ms

# Below is generated by plot.py at 2019-07-18 13:18:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 35.802 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 33.914 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 32.016 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 69.930 ms
Loss rate: 0.47%
```

Run 4: Report of QUIC Cubic — Data Link

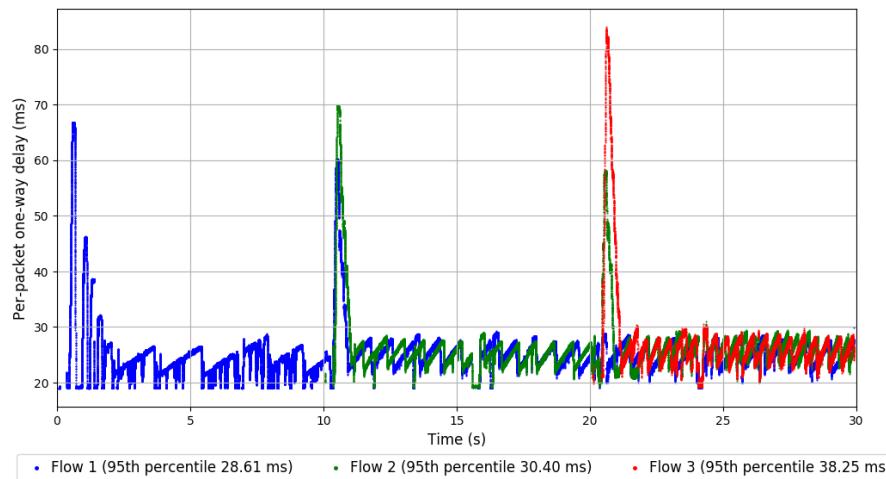
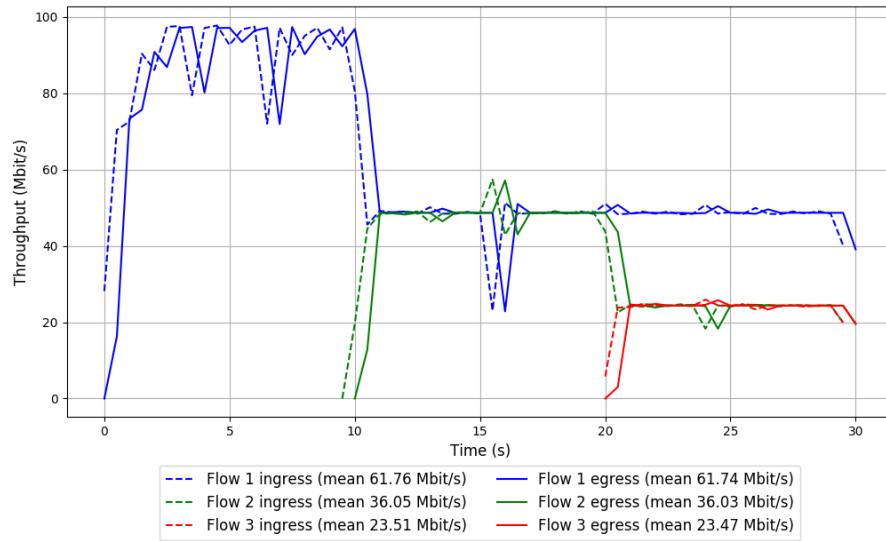


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-18 12:49:06
End at: 2019-07-18 12:49:36
Local clock offset: 3.432 ms
Remote clock offset: -0.287 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 29.378 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 28.611 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 30.404 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 38.249 ms
Loss rate: 0.47%
```

Run 5: Report of QUIC Cubic — Data Link

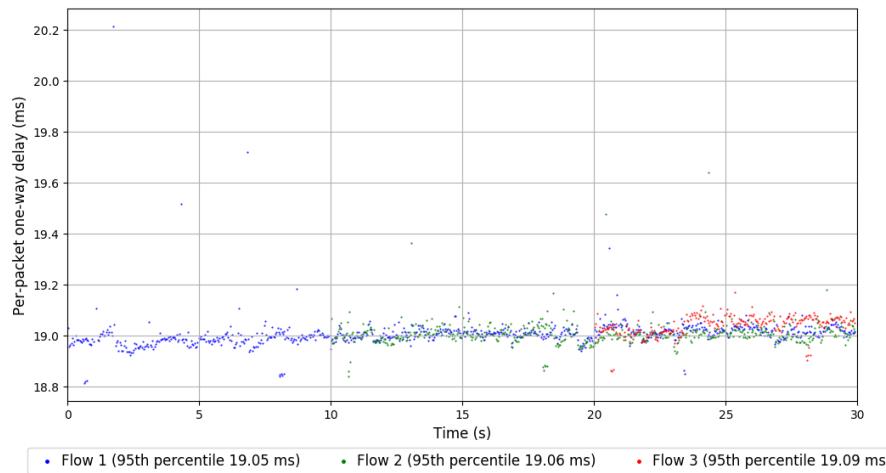
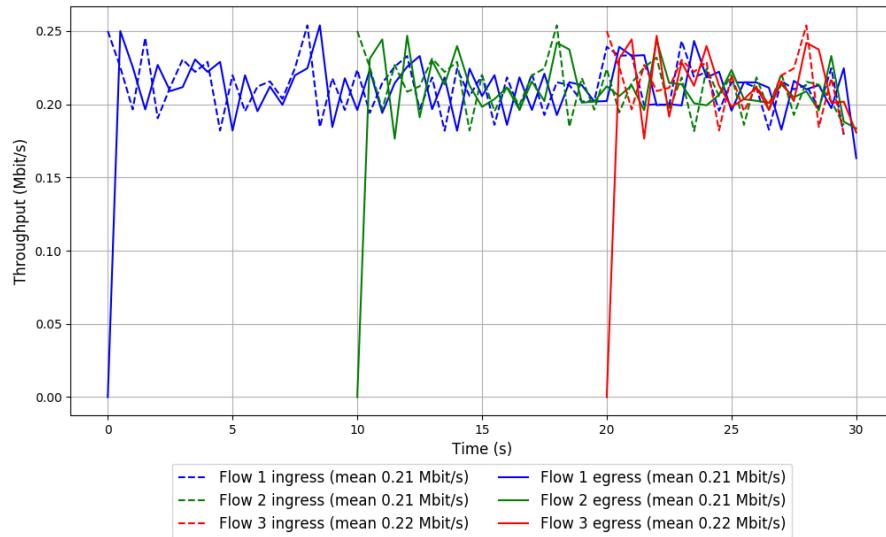


Run 1: Statistics of SCReAM

```
Start at: 2019-07-18 10:53:42
End at: 2019-07-18 10:54:12
Local clock offset: -1.345 ms
Remote clock offset: -6.504 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.048 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

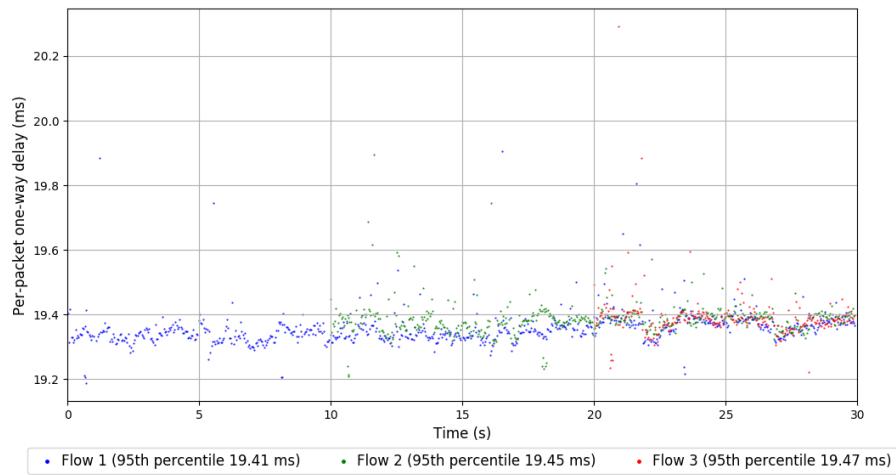
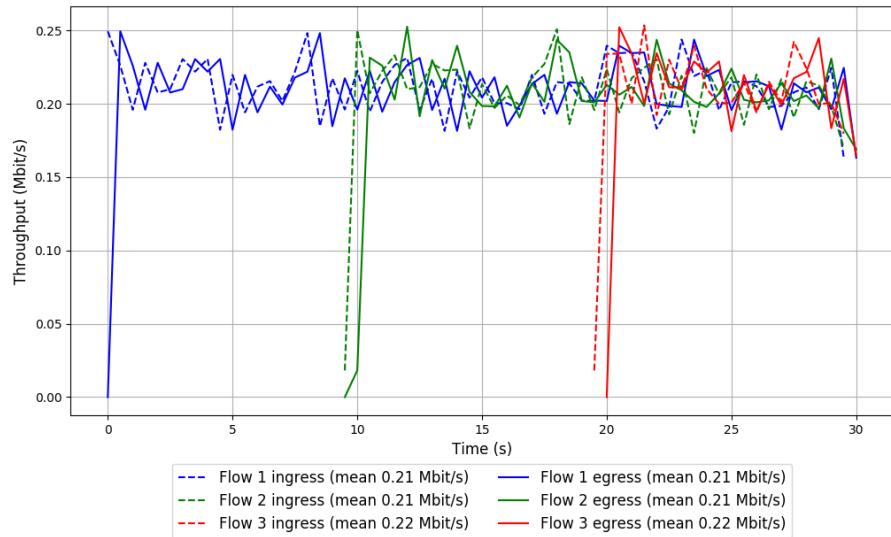


Run 2: Statistics of SCReAM

```
Start at: 2019-07-18 11:22:56
End at: 2019-07-18 11:23:26
Local clock offset: -1.231 ms
Remote clock offset: -5.779 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.433 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

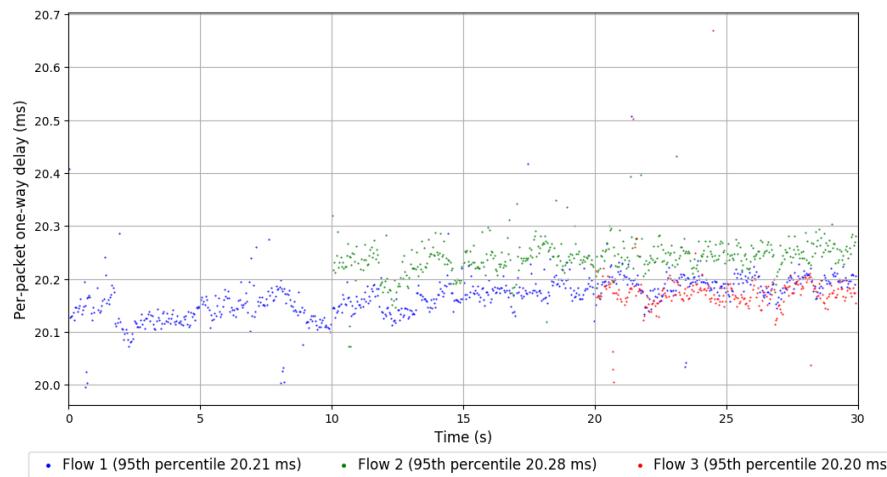
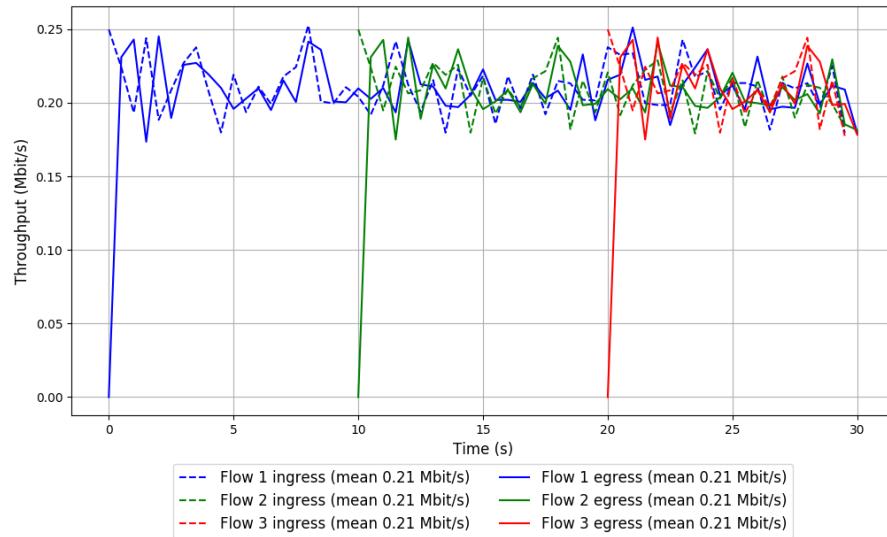


Run 3: Statistics of SCReAM

```
Start at: 2019-07-18 11:51:53
End at: 2019-07-18 11:52:23
Local clock offset: 5.029 ms
Remote clock offset: -3.479 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 20.268 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.284 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.205 ms
Loss rate: 0.36%
```

Run 3: Report of SCReAM — Data Link

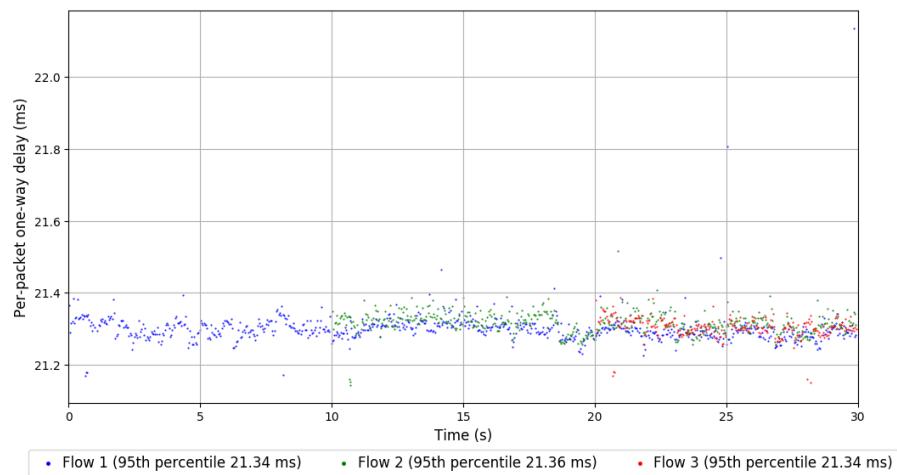
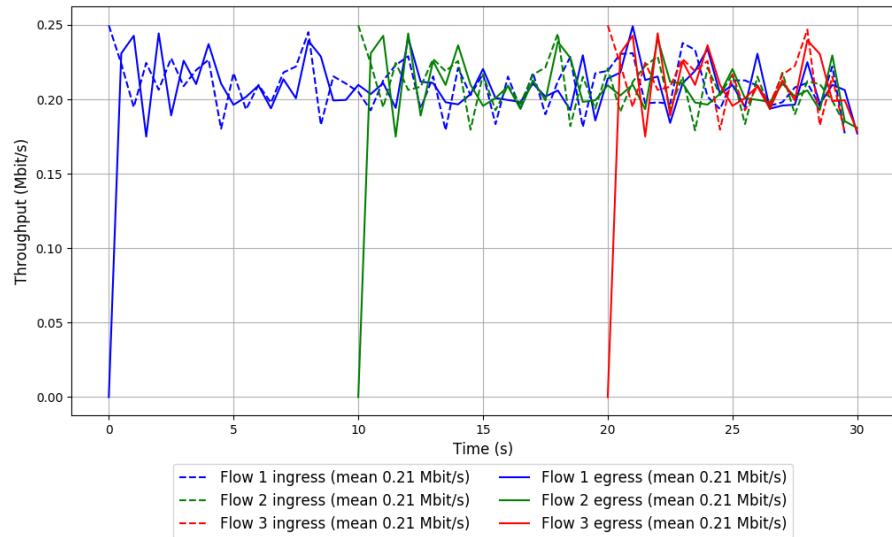


Run 4: Statistics of SCReAM

```
Start at: 2019-07-18 12:21:15
End at: 2019-07-18 12:21:45
Local clock offset: 4.568 ms
Remote clock offset: -3.052 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 21.352 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.340 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.362 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.343 ms
Loss rate: 0.36%
```

Run 4: Report of SCReAM — Data Link

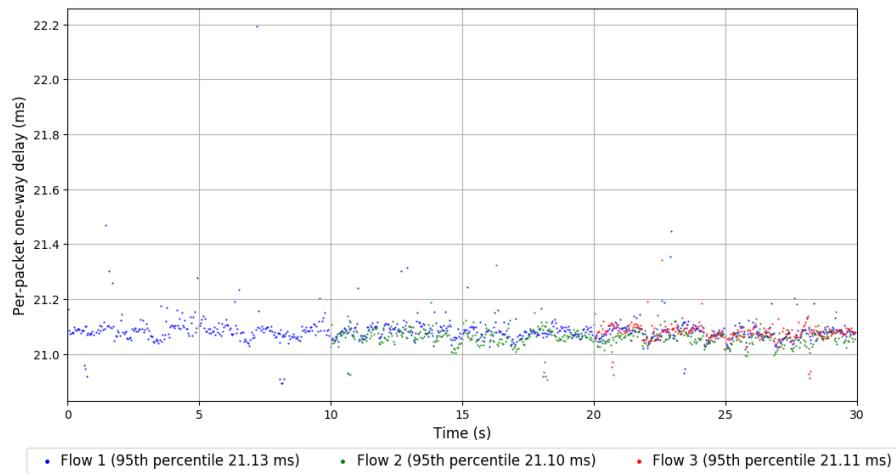
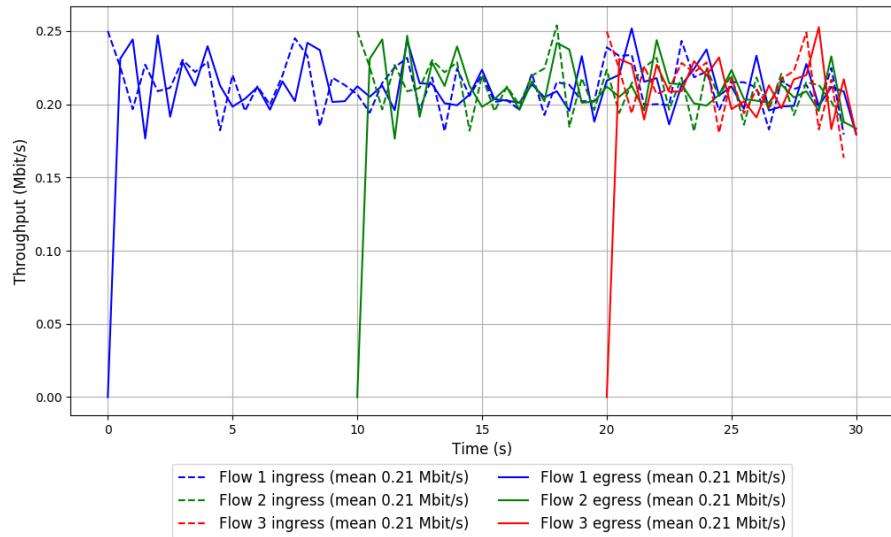


Run 5: Statistics of SCReAM

```
Start at: 2019-07-18 12:50:21
End at: 2019-07-18 12:50:51
Local clock offset: 3.368 ms
Remote clock offset: -2.284 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 21.121 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.133 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.103 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.115 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

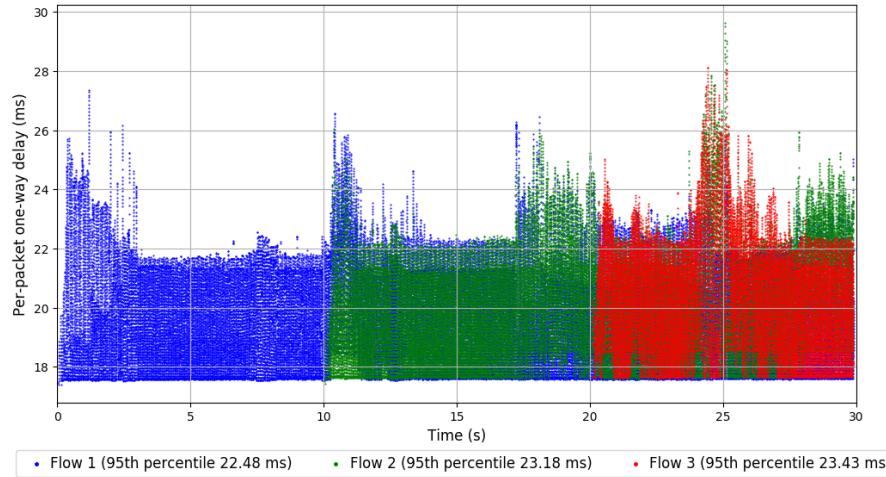
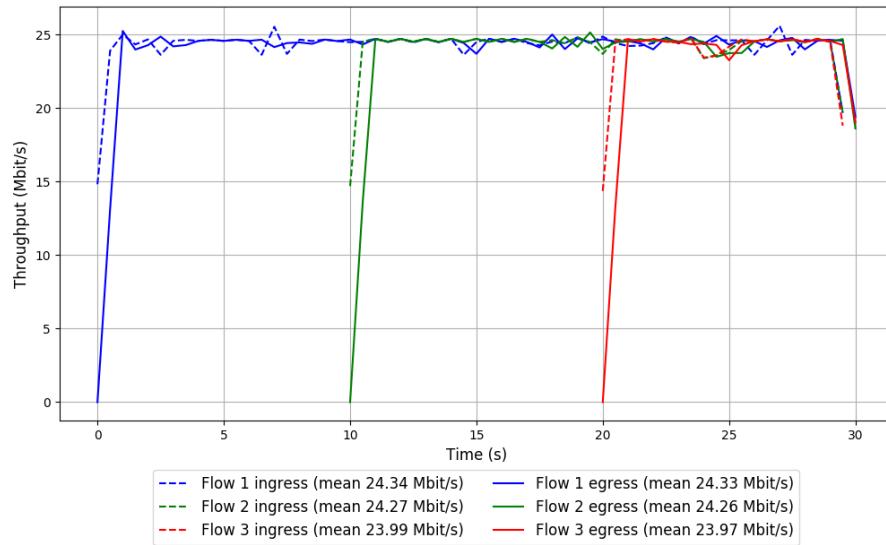


Run 1: Statistics of Sprout

```
Start at: 2019-07-18 10:37:49
End at: 2019-07-18 10:38:19
Local clock offset: -0.078 ms
Remote clock offset: -5.127 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 22.904 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 22.478 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 23.185 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 23.435 ms
Loss rate: 0.23%
```

Run 1: Report of Sprout — Data Link

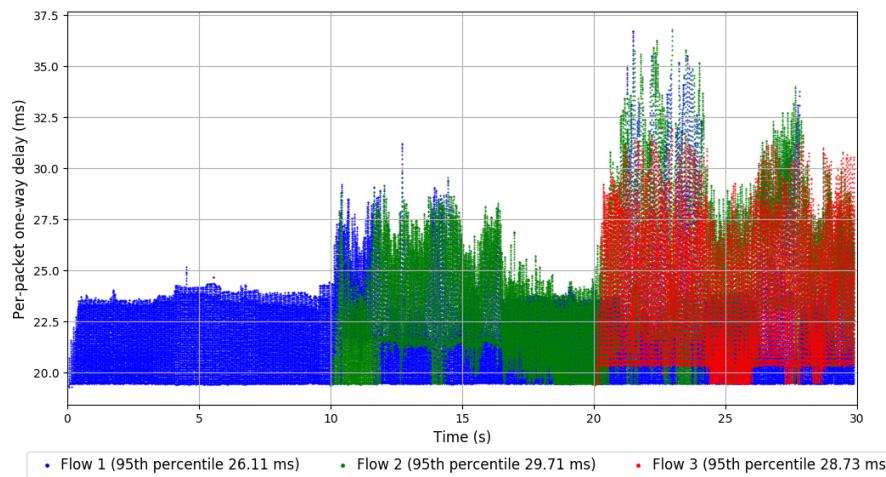
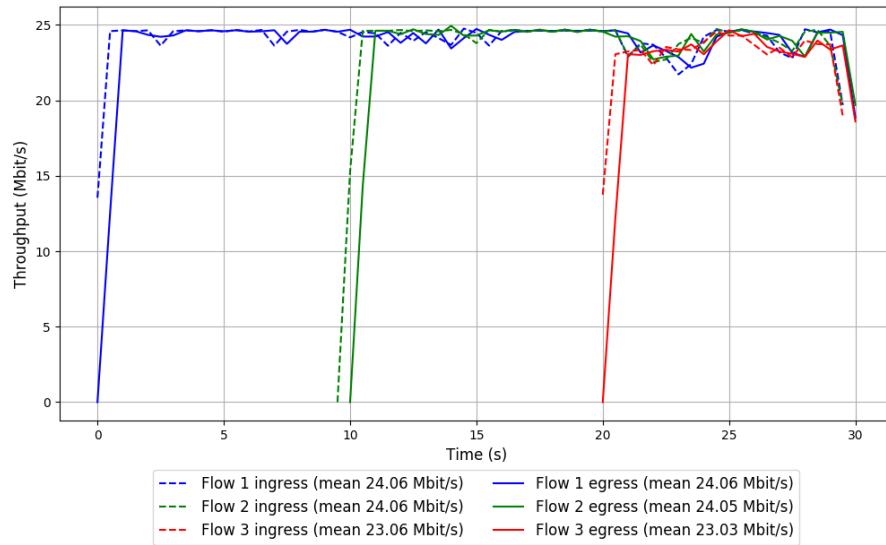


Run 2: Statistics of Sprout

```
Start at: 2019-07-18 11:06:58
End at: 2019-07-18 11:07:28
Local clock offset: -0.543 ms
Remote clock offset: -5.857 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 28.378 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 26.105 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 29.713 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 28.735 ms
Loss rate: 0.43%
```

Run 2: Report of Sprout — Data Link

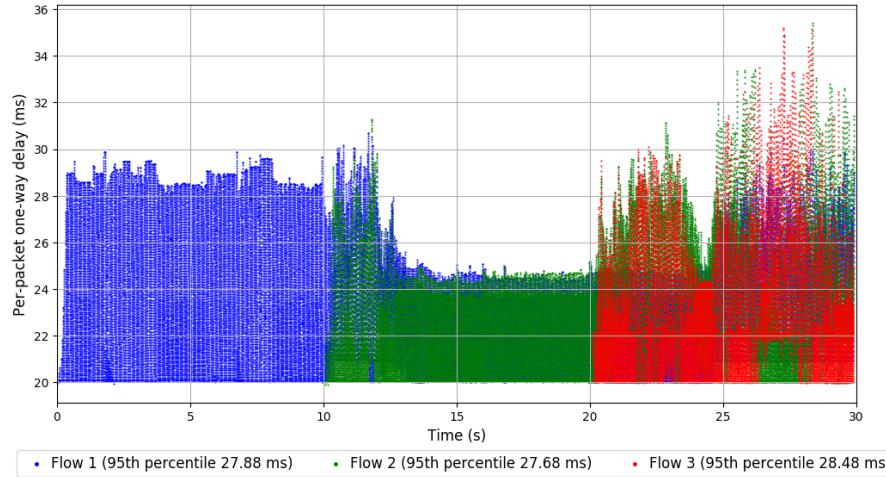
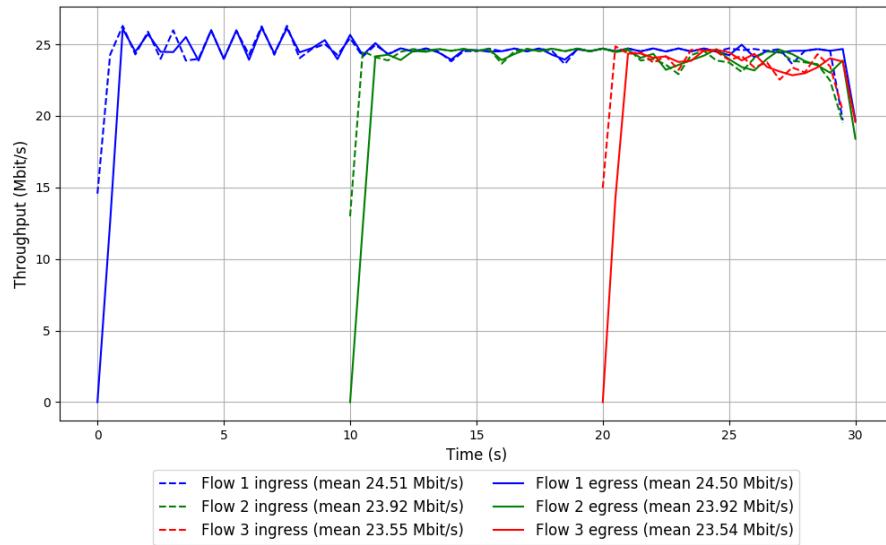


Run 3: Statistics of Sprout

```
Start at: 2019-07-18 11:36:10
End at: 2019-07-18 11:36:40
Local clock offset: 3.92 ms
Remote clock offset: -3.645 ms

# Below is generated by plot.py at 2019-07-18 13:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 27.905 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 27.882 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 28.483 ms
Loss rate: 0.42%
```

Run 3: Report of Sprout — Data Link

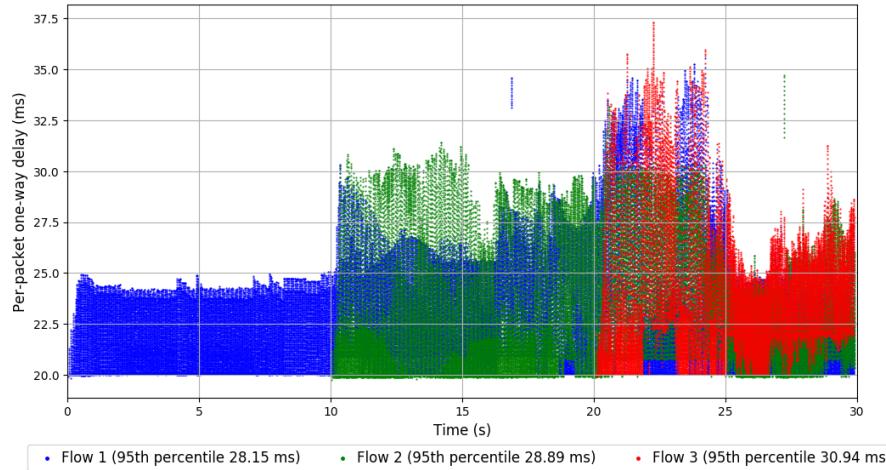
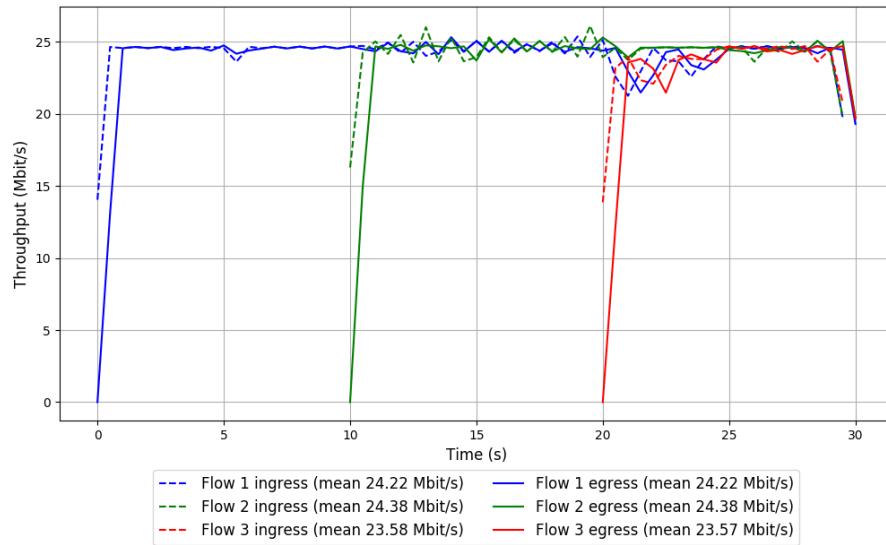


Run 4: Statistics of Sprout

```
Start at: 2019-07-18 12:05:24
End at: 2019-07-18 12:05:54
Local clock offset: 4.141 ms
Remote clock offset: -2.0 ms

# Below is generated by plot.py at 2019-07-18 13:18:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 28.946 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 28.146 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 28.889 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 30.939 ms
Loss rate: 0.42%
```

Run 4: Report of Sprout — Data Link

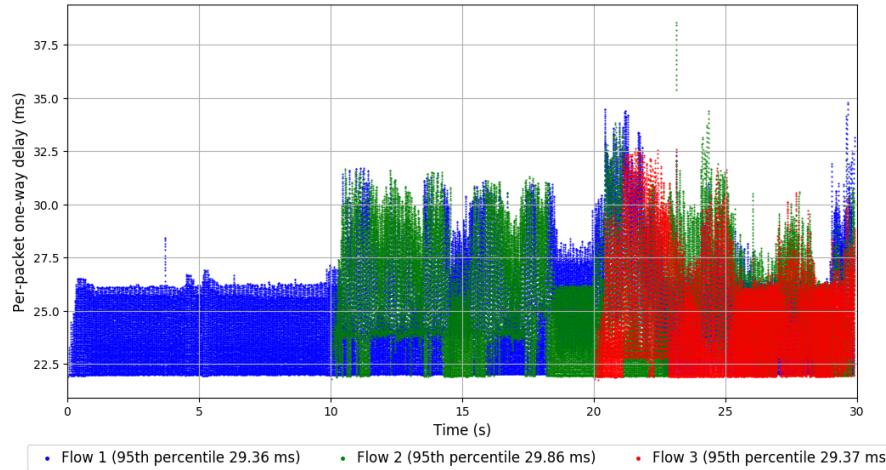
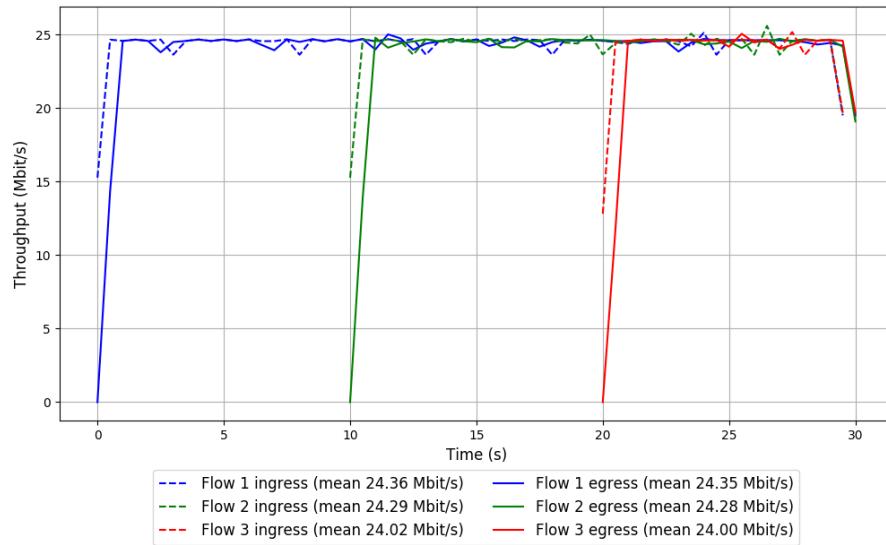


Run 5: Statistics of Sprout

```
Start at: 2019-07-18 12:34:27
End at: 2019-07-18 12:34:57
Local clock offset: 4.615 ms
Remote clock offset: -2.365 ms

# Below is generated by plot.py at 2019-07-18 13:18:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 29.597 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 29.360 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 29.857 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 29.373 ms
Loss rate: 0.21%
```

Run 5: Report of Sprout — Data Link

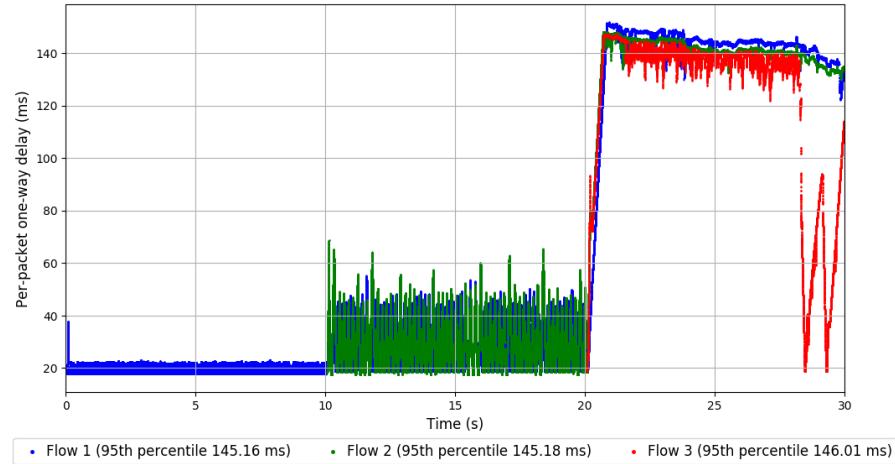
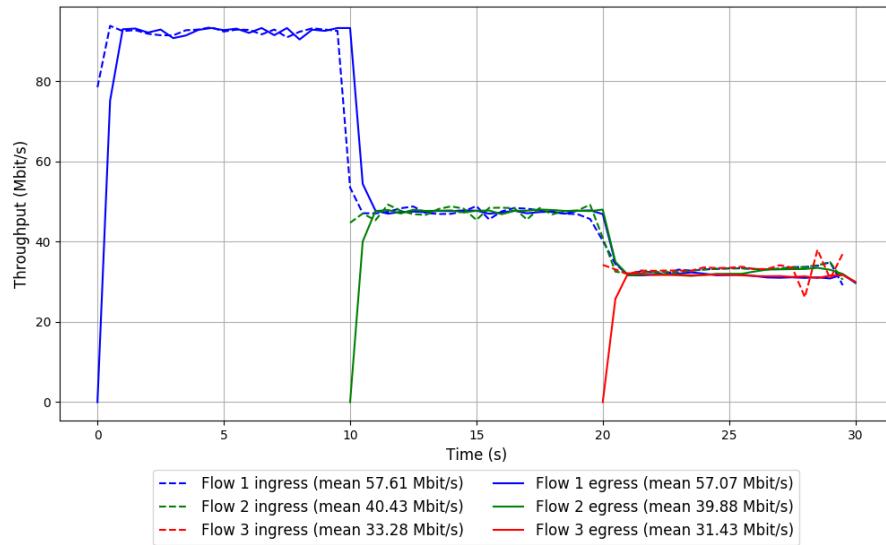


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-18 10:41:33
End at: 2019-07-18 10:42:03
Local clock offset: 0.329 ms
Remote clock offset: -4.577 ms

# Below is generated by plot.py at 2019-07-18 13:20:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 145.256 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 145.159 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 145.179 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 146.010 ms
Loss rate: 5.85%
```

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

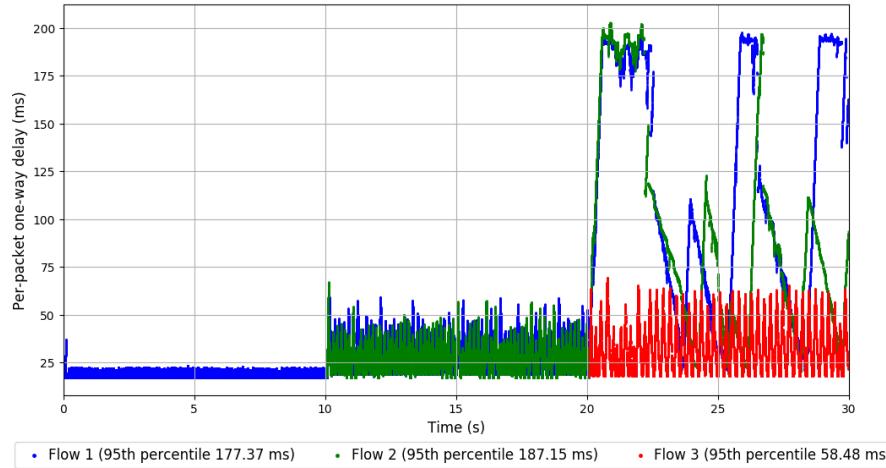
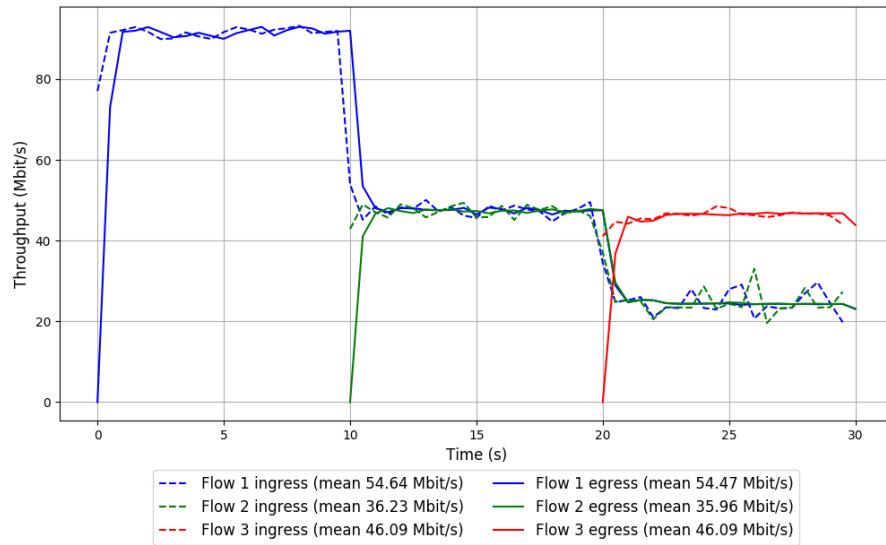


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-18 11:10:33
End at: 2019-07-18 11:11:03
Local clock offset: -1.427 ms
Remote clock offset: -4.459 ms

# Below is generated by plot.py at 2019-07-18 13:20:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 159.598 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 54.47 Mbit/s
95th percentile per-packet one-way delay: 177.373 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 187.150 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 58.485 ms
Loss rate: 0.33%
```

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

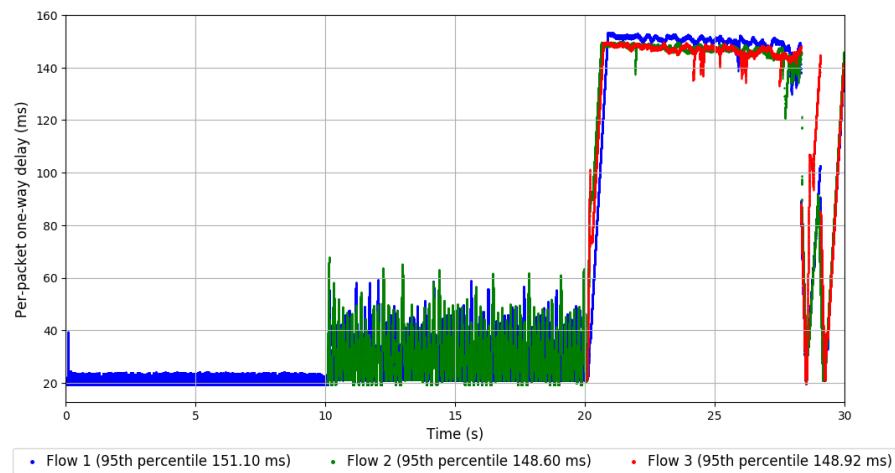
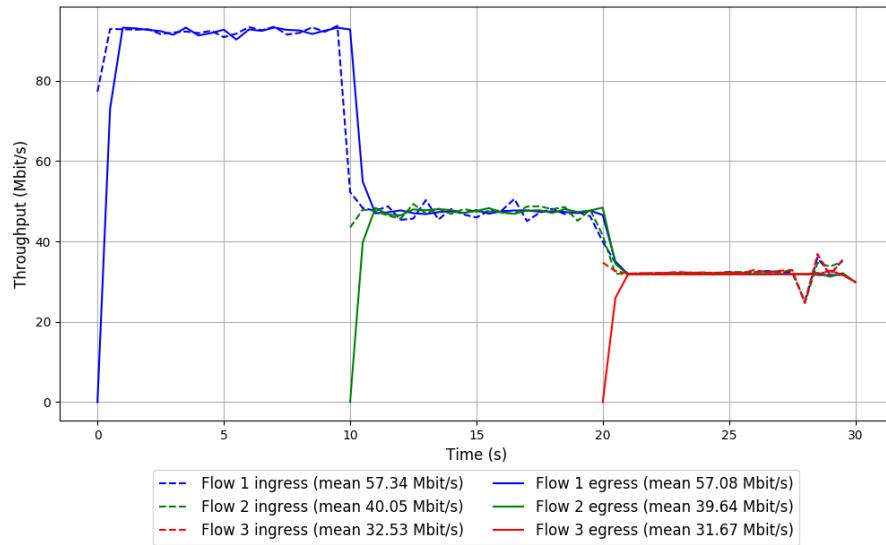


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-18 11:39:42
End at: 2019-07-18 11:40:12
Local clock offset: 4.684 ms
Remote clock offset: -2.605 ms

# Below is generated by plot.py at 2019-07-18 13:20:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 150.205 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 151.098 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 148.597 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 148.918 ms
Loss rate: 2.97%
```

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

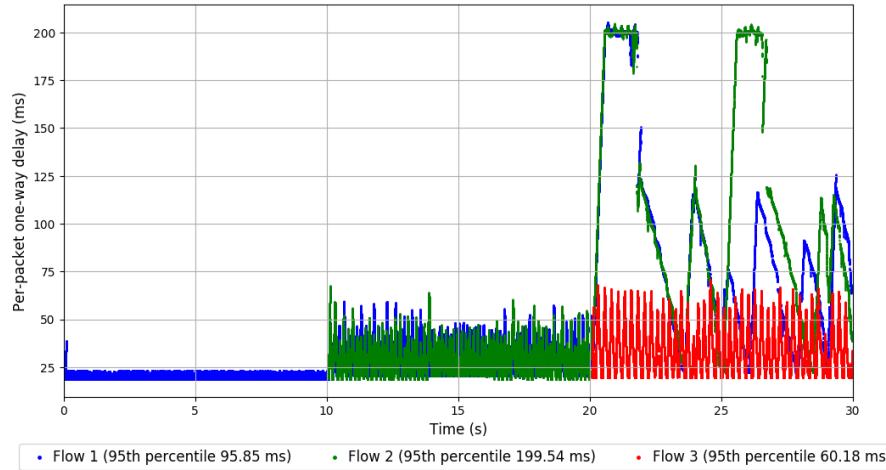
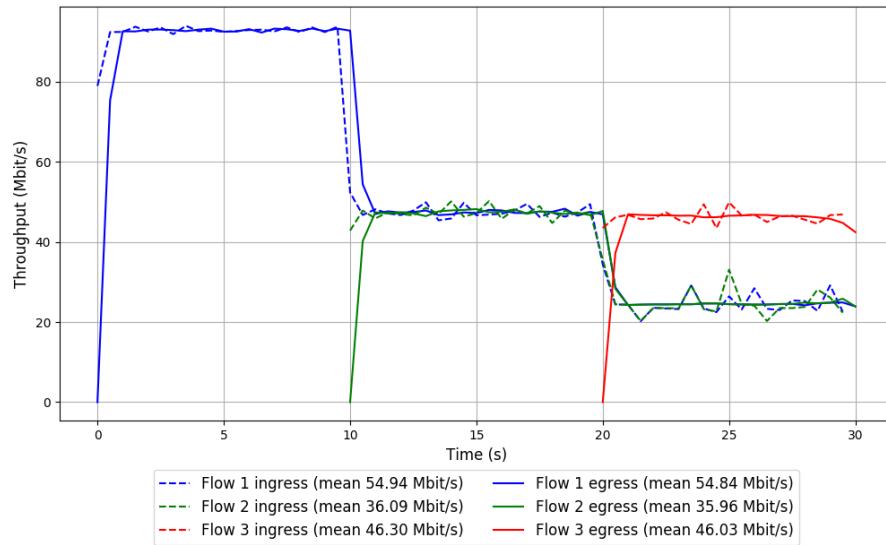


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-18 12:08:58
End at: 2019-07-18 12:09:28
Local clock offset: 4.07 ms
Remote clock offset: -0.88 ms

# Below is generated by plot.py at 2019-07-18 13:20:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 111.104 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 95.848 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 199.544 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 60.183 ms
Loss rate: 0.90%
```

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

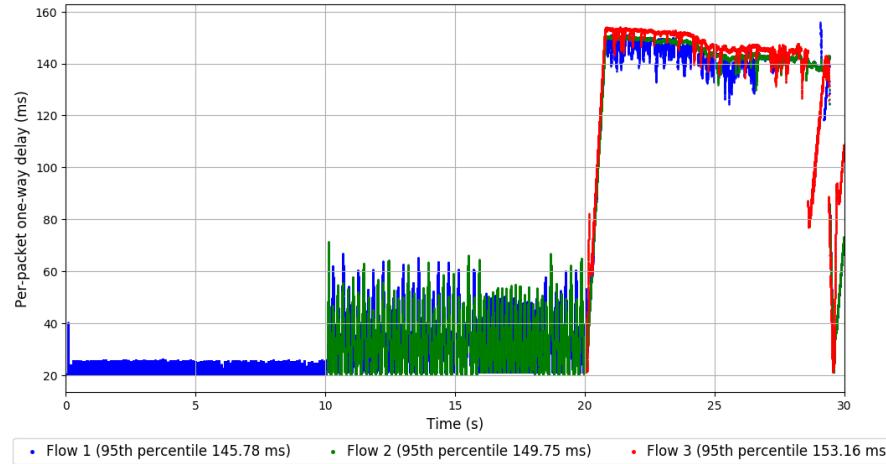
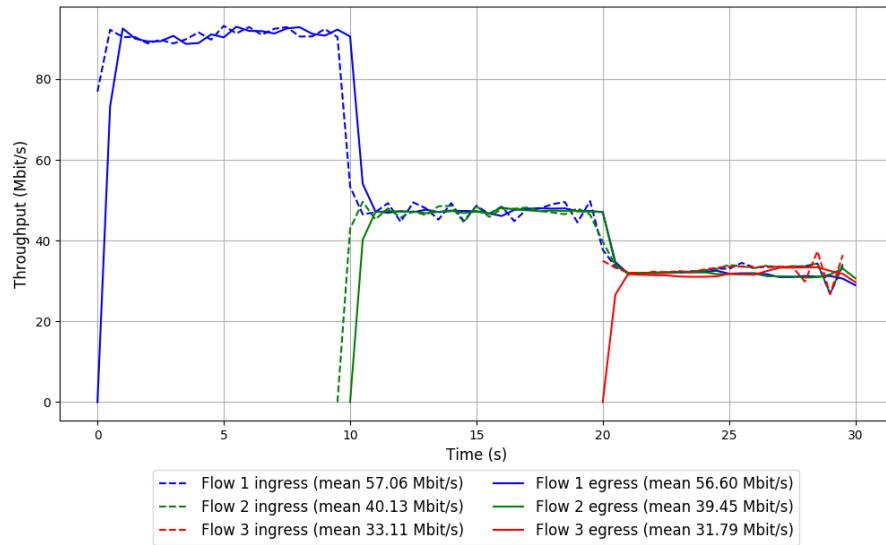


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-18 12:38:03
End at: 2019-07-18 12:38:33
Local clock offset: 4.505 ms
Remote clock offset: -0.662 ms

# Below is generated by plot.py at 2019-07-18 13:20:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 149.920 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 145.777 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 149.746 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 153.162 ms
Loss rate: 4.07%
```

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

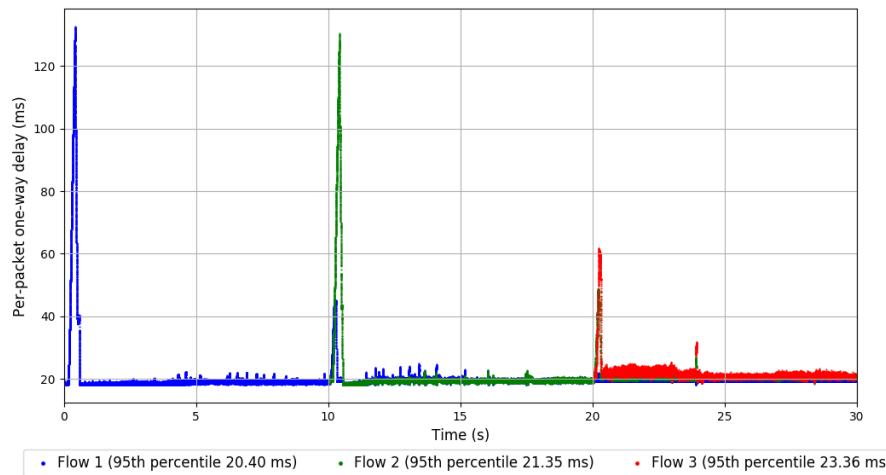
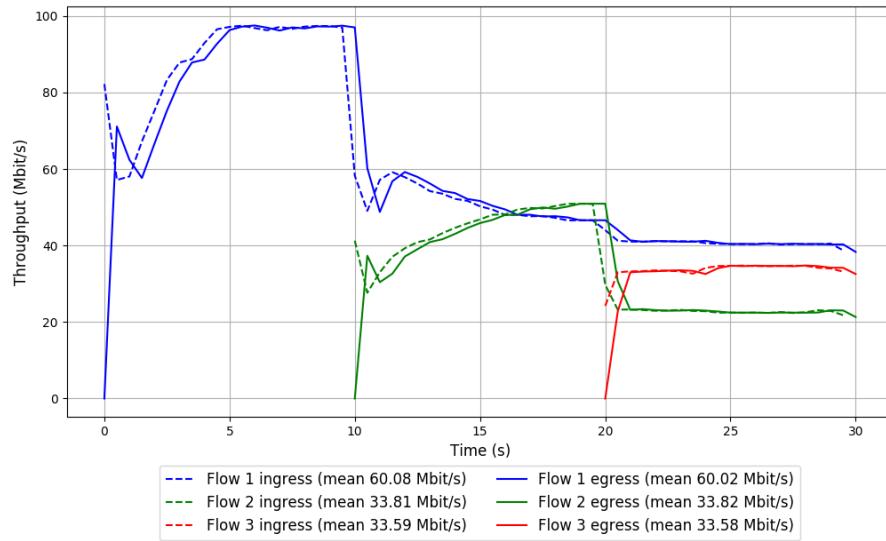


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-18 10:54:49
End at: 2019-07-18 10:55:19
Local clock offset: -1.007 ms
Remote clock offset: -5.322 ms

# Below is generated by plot.py at 2019-07-18 13:20:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 22.158 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 20.401 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 21.352 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 23.358 ms
Loss rate: 0.29%
```

Run 1: Report of TCP Vegas — Data Link

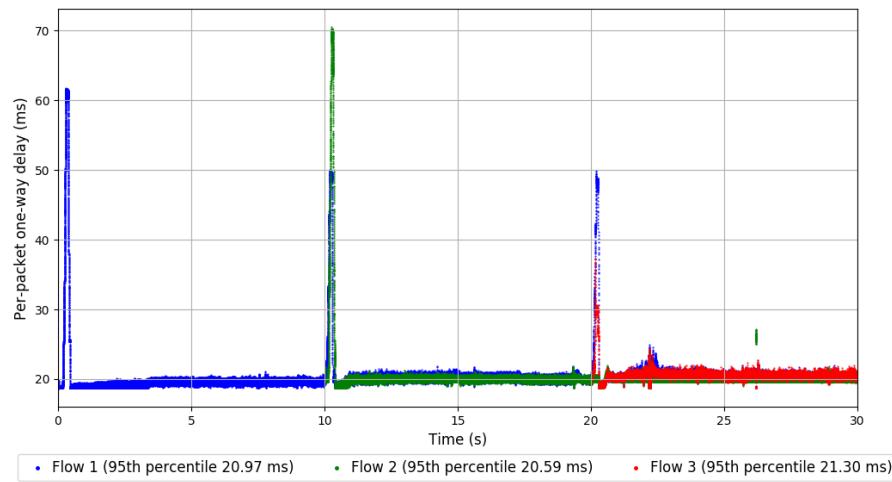
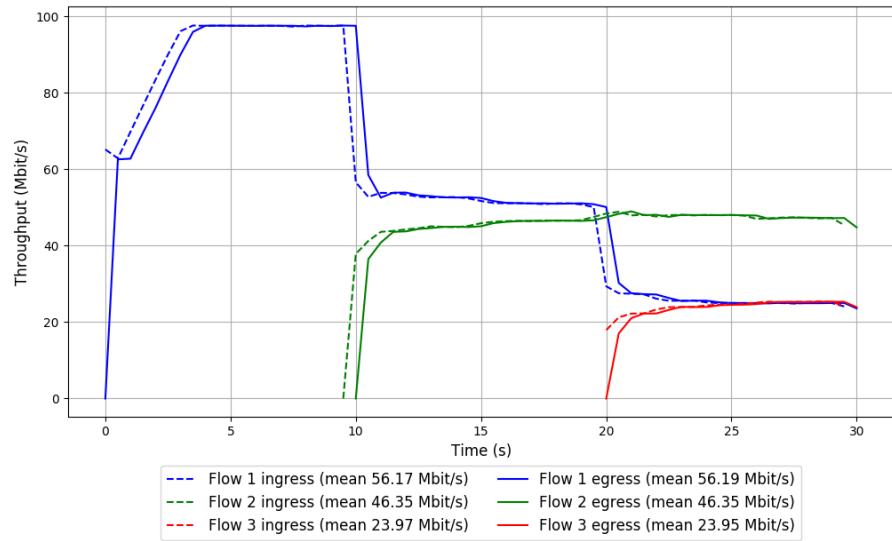


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-18 11:24:03
End at: 2019-07-18 11:24:33
Local clock offset: -1.771 ms
Remote clock offset: -5.662 ms

# Below is generated by plot.py at 2019-07-18 13:20:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 20.958 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 20.973 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 20.586 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 21.298 ms
Loss rate: 0.33%
```

Run 2: Report of TCP Vegas — Data Link

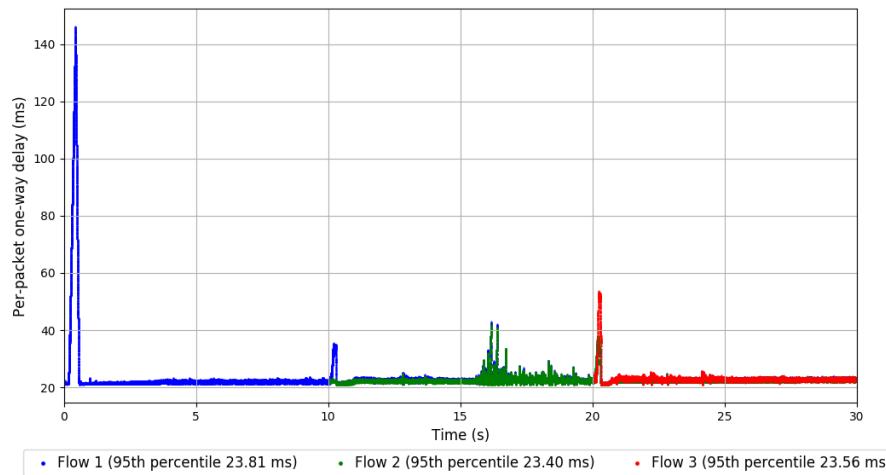
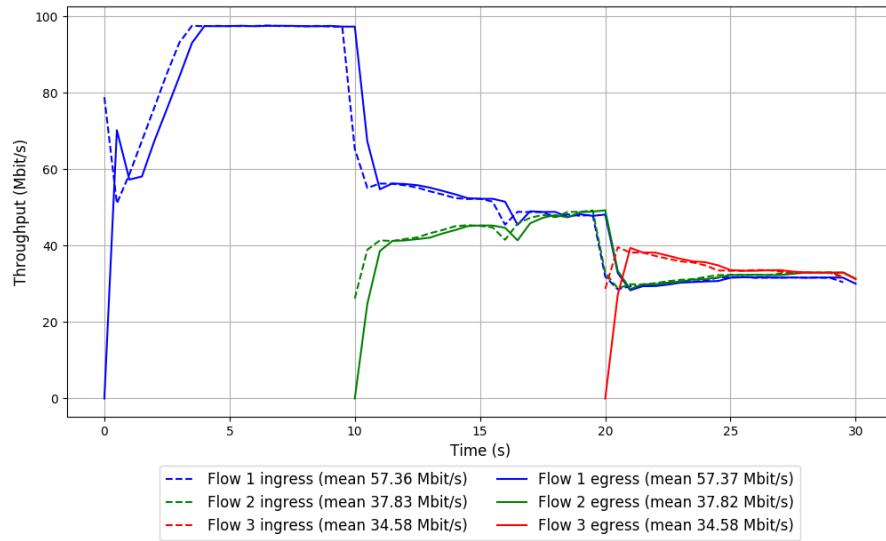


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-18 11:52:59
End at: 2019-07-18 11:53:29
Local clock offset: 4.4 ms
Remote clock offset: -4.784 ms

# Below is generated by plot.py at 2019-07-18 13:20:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 23.598 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 23.809 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 23.404 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 23.561 ms
Loss rate: 0.27%
```

Run 3: Report of TCP Vegas — Data Link

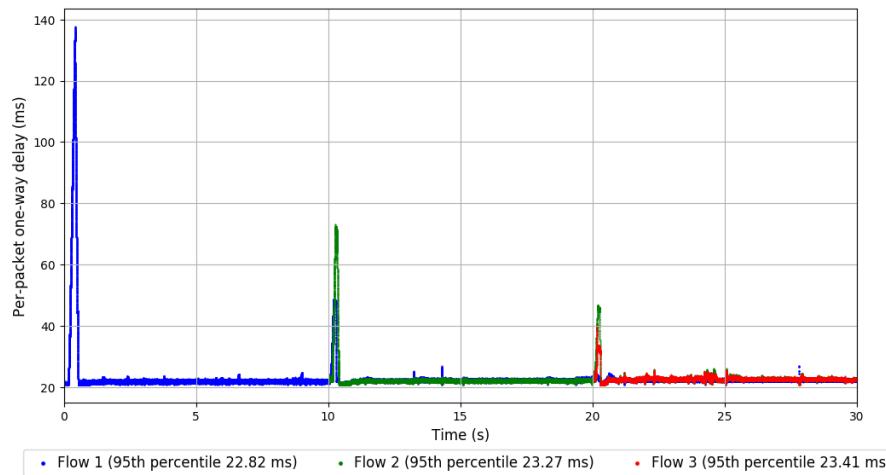
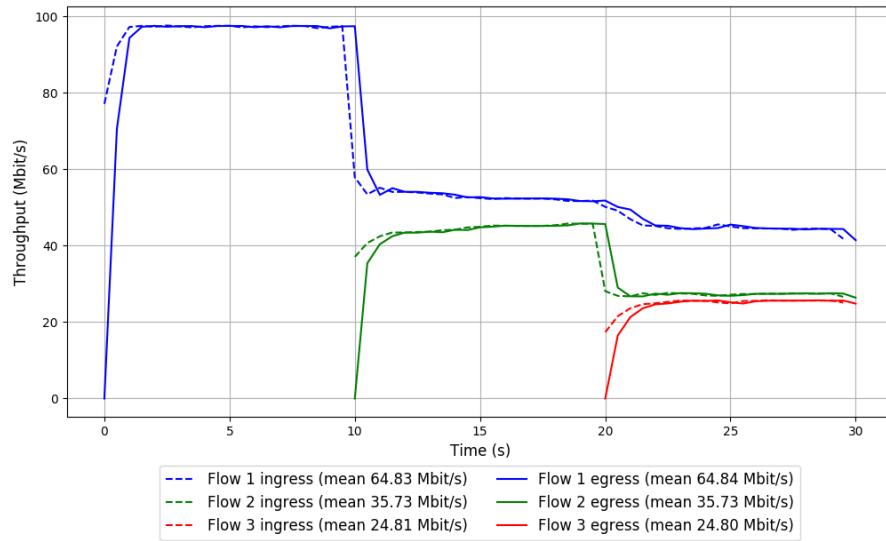


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-18 12:22:22
End at: 2019-07-18 12:22:52
Local clock offset: 3.884 ms
Remote clock offset: -3.261 ms

# Below is generated by plot.py at 2019-07-18 13:20:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 23.100 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.84 Mbit/s
95th percentile per-packet one-way delay: 22.820 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 23.265 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 23.406 ms
Loss rate: 0.30%
```

Run 4: Report of TCP Vegas — Data Link

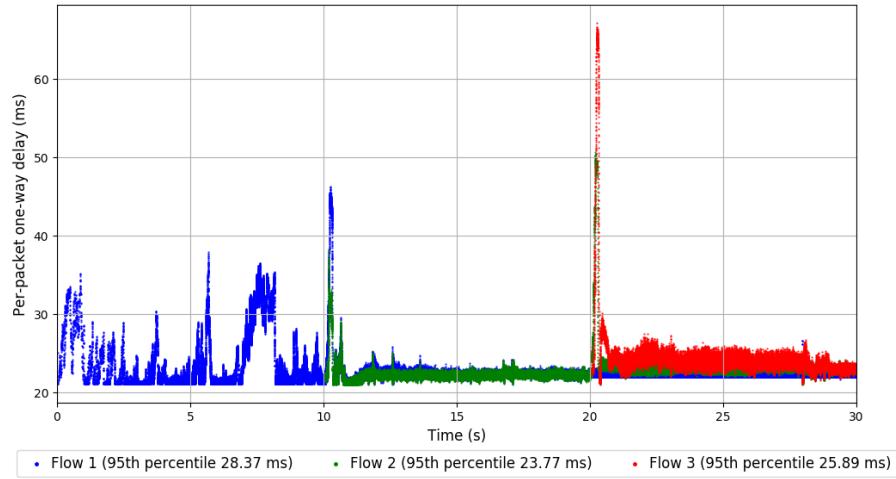
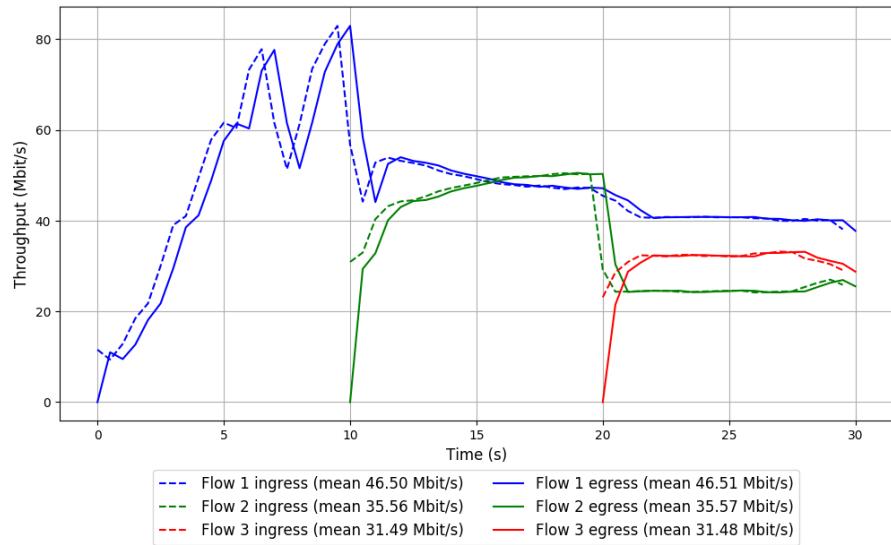


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-18 12:51:27
End at: 2019-07-18 12:51:57
Local clock offset: 3.788 ms
Remote clock offset: -1.832 ms

# Below is generated by plot.py at 2019-07-18 13:20:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 26.108 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 28.371 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 23.775 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 25.893 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Vegas — Data Link

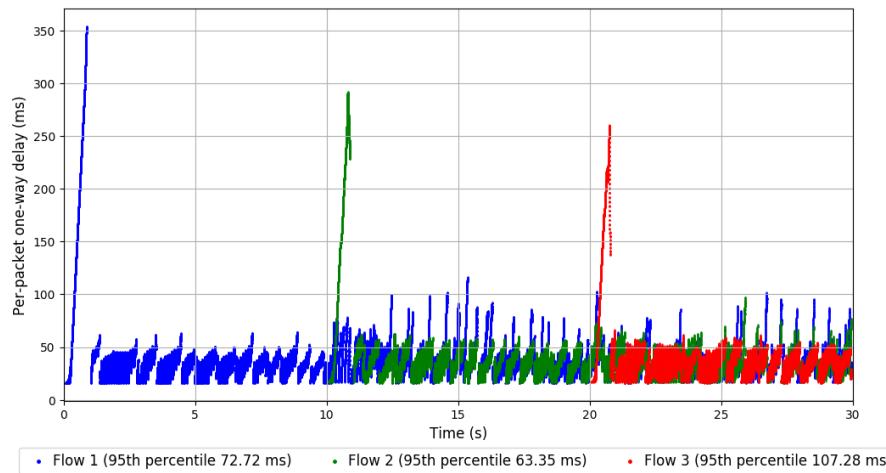
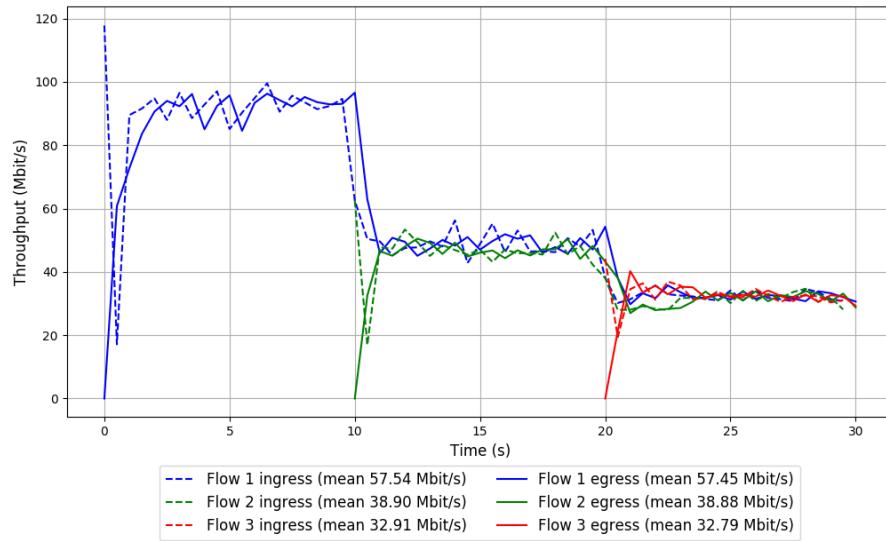


Run 1: Statistics of Verus

```
Start at: 2019-07-18 10:56:01
End at: 2019-07-18 10:56:31
Local clock offset: -1.372 ms
Remote clock offset: -3.567 ms

# Below is generated by plot.py at 2019-07-18 13:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 71.261 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 72.725 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 63.354 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 107.276 ms
Loss rate: 0.63%
```

Run 1: Report of Verus — Data Link

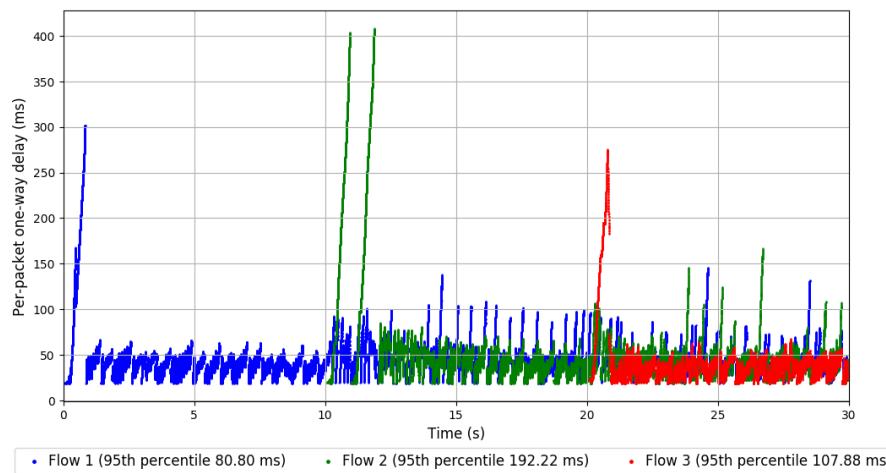
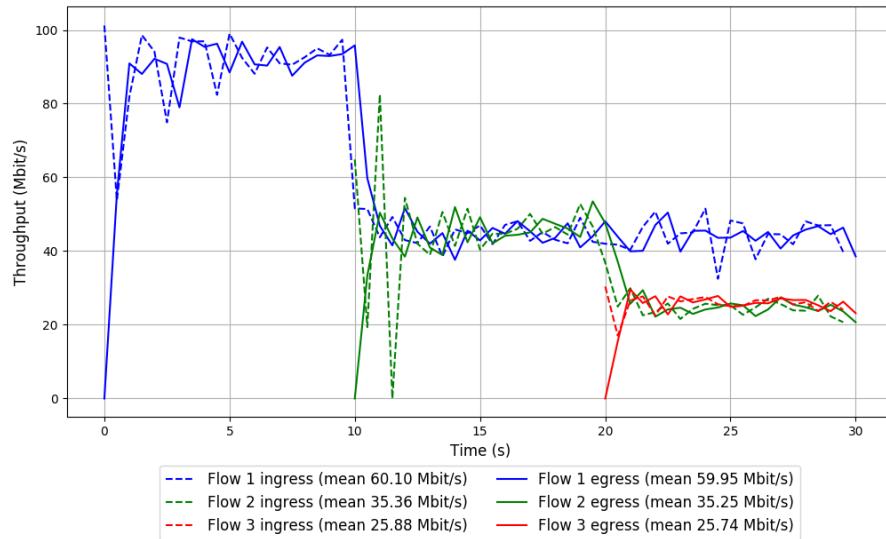


Run 2: Statistics of Verus

```
Start at: 2019-07-18 11:25:15
End at: 2019-07-18 11:25:45
Local clock offset: 0.114 ms
Remote clock offset: -4.246 ms

# Below is generated by plot.py at 2019-07-18 13:21:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 94.315 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 80.802 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 192.215 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 107.883 ms
Loss rate: 0.83%
```

Run 2: Report of Verus — Data Link

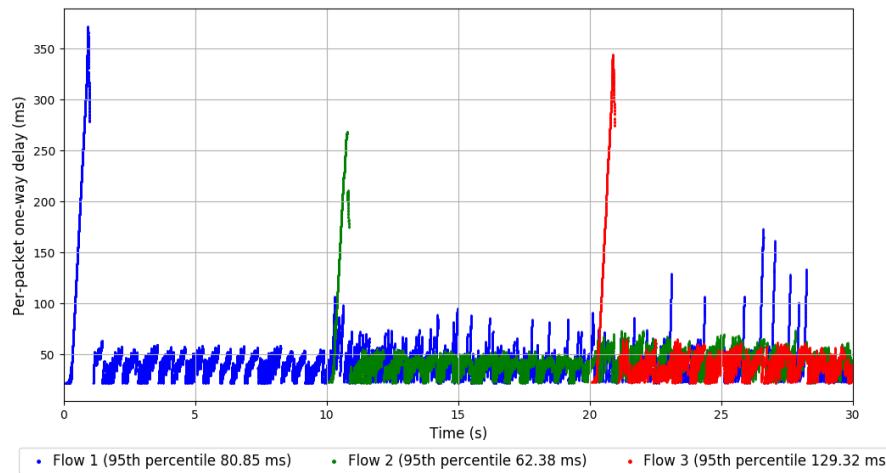
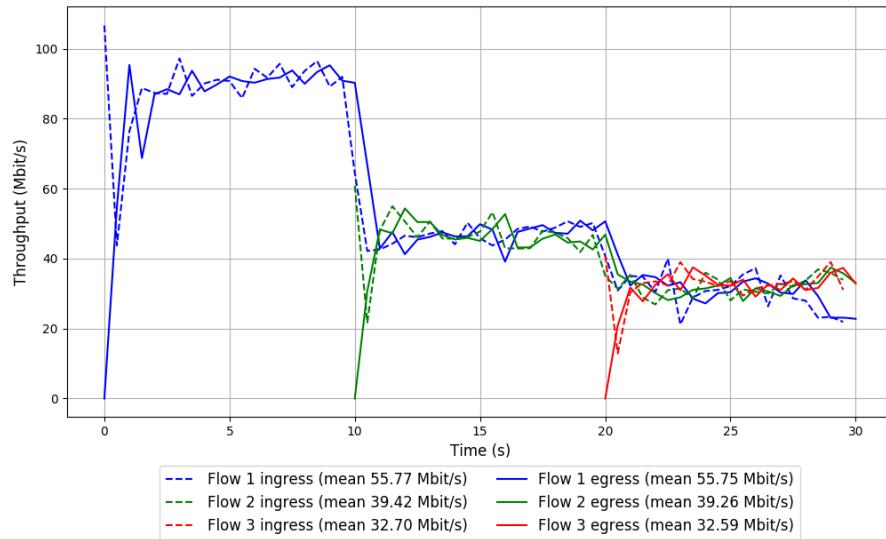


Run 3: Statistics of Verus

```
Start at: 2019-07-18 11:54:13
End at: 2019-07-18 11:54:43
Local clock offset: 4.889 ms
Remote clock offset: -4.846 ms

# Below is generated by plot.py at 2019-07-18 13:21:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 75.329 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 80.847 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 62.383 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 129.320 ms
Loss rate: 0.62%
```

Run 3: Report of Verus — Data Link

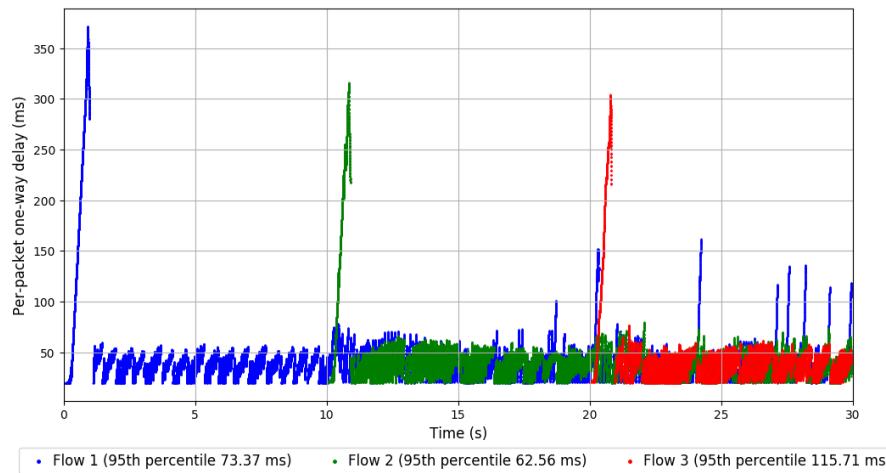
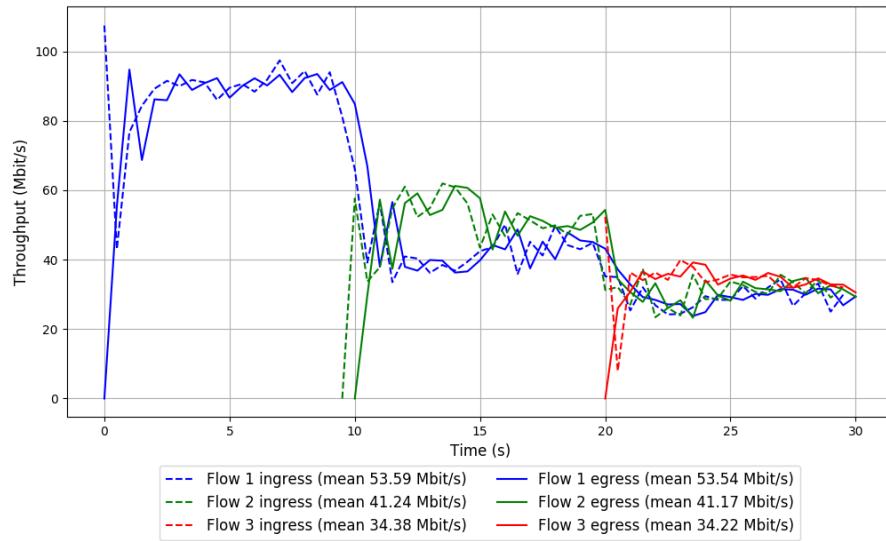


Run 4: Statistics of Verus

```
Start at: 2019-07-18 12:23:34
End at: 2019-07-18 12:24:04
Local clock offset: 3.997 ms
Remote clock offset: -2.295 ms

# Below is generated by plot.py at 2019-07-18 13:21:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 70.744 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 73.370 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 62.565 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 115.710 ms
Loss rate: 0.69%
```

Run 4: Report of Verus — Data Link

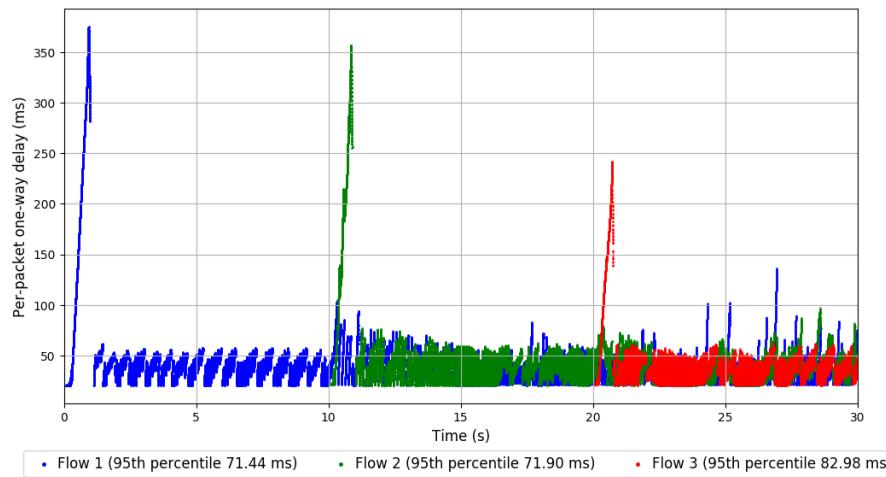
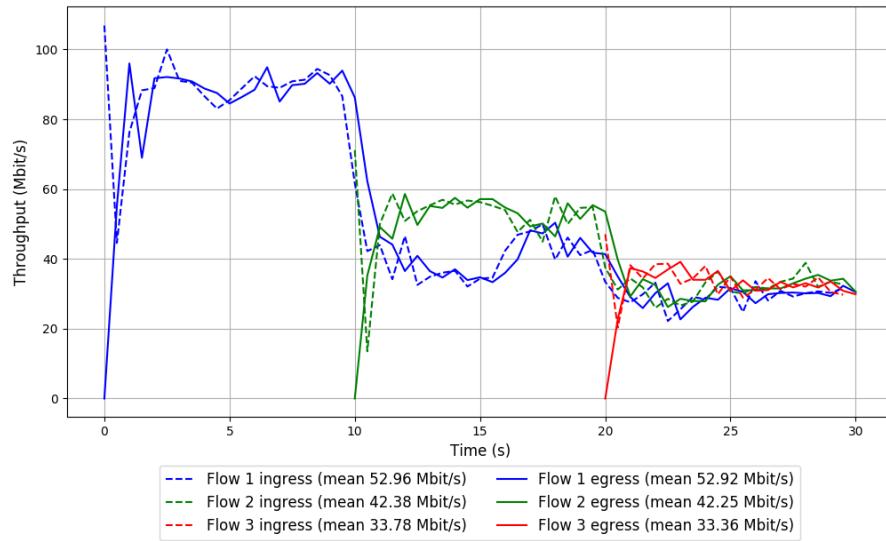


Run 5: Statistics of Verus

```
Start at: 2019-07-18 12:52:41
End at: 2019-07-18 12:53:11
Local clock offset: 2.893 ms
Remote clock offset: -2.116 ms

# Below is generated by plot.py at 2019-07-18 13:21:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 71.859 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 71.441 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 71.898 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 82.976 ms
Loss rate: 1.51%
```

Run 5: Report of Verus — Data Link

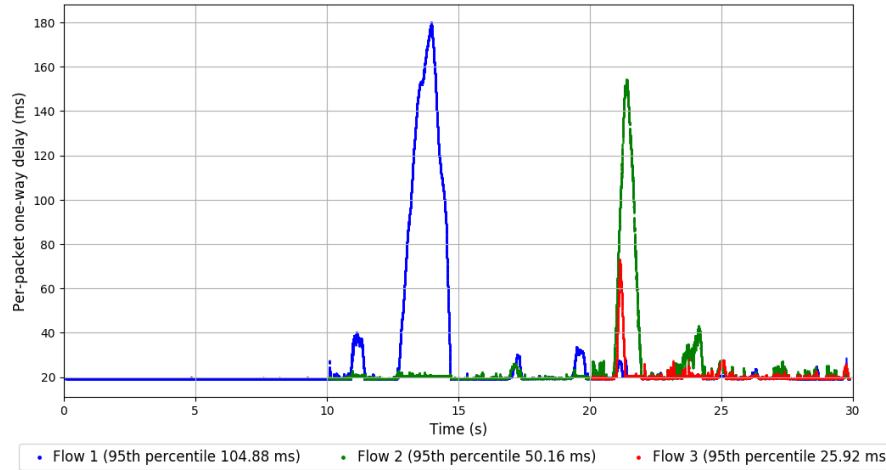
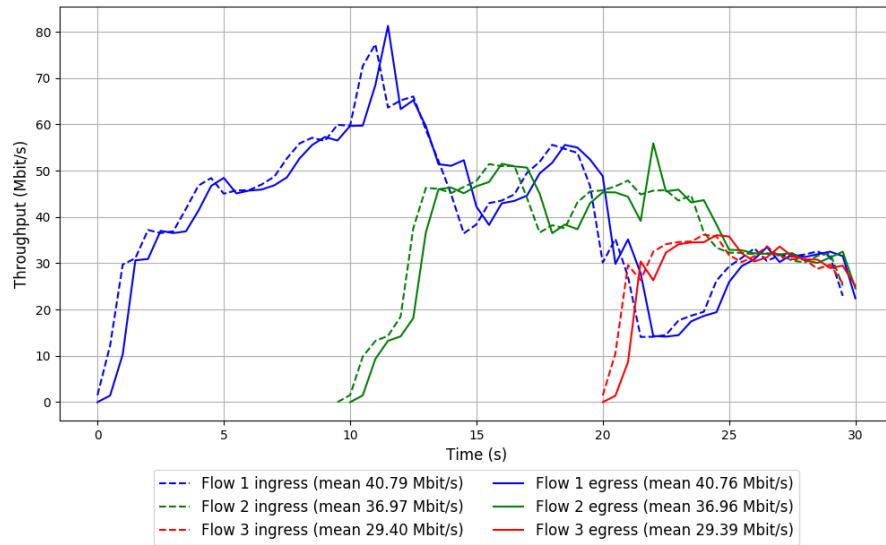


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-18 10:50:01
End at: 2019-07-18 10:50:31
Local clock offset: -0.529 ms
Remote clock offset: -6.349 ms

# Below is generated by plot.py at 2019-07-18 13:21:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 69.130 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 104.877 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 50.162 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 25.917 ms
Loss rate: 0.33%
```

Run 1: Report of PCC-Vivace — Data Link

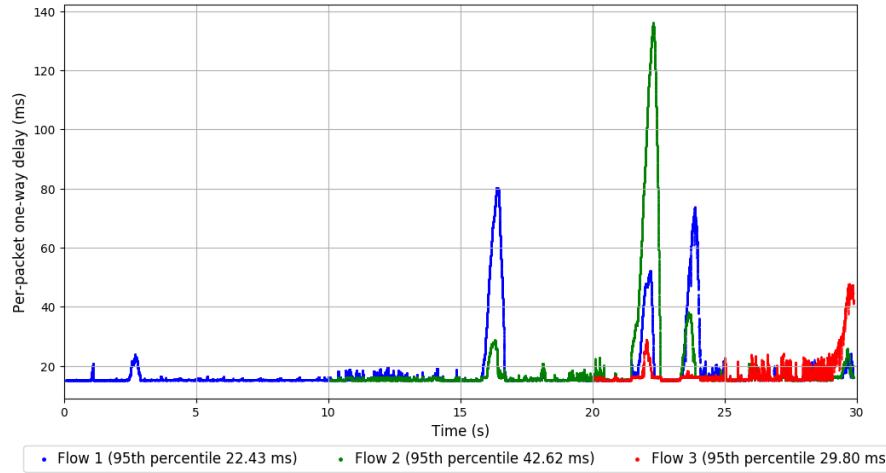
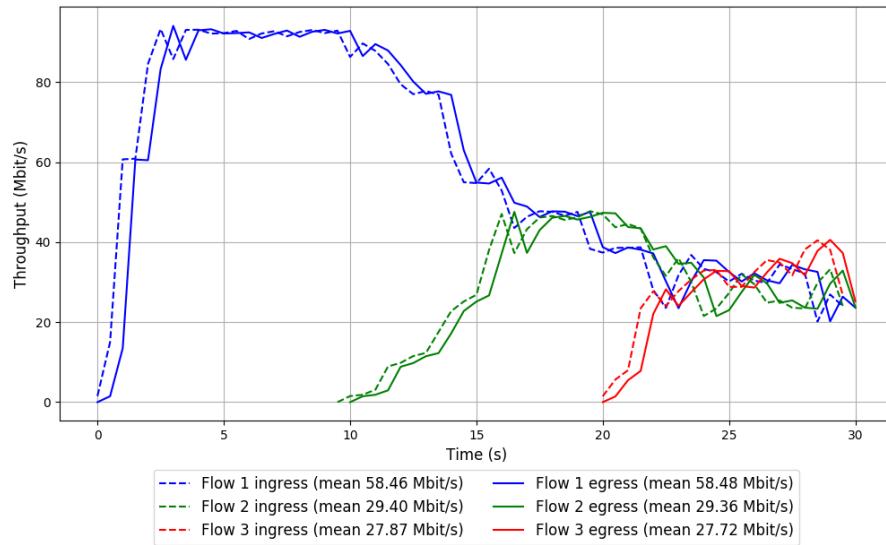


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-18 11:19:13
End at: 2019-07-18 11:19:43
Local clock offset: -1.857 ms
Remote clock offset: -2.567 ms

# Below is generated by plot.py at 2019-07-18 13:21:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 29.530 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 22.430 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 42.621 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 29.804 ms
Loss rate: 0.79%
```

Run 2: Report of PCC-Vivace — Data Link

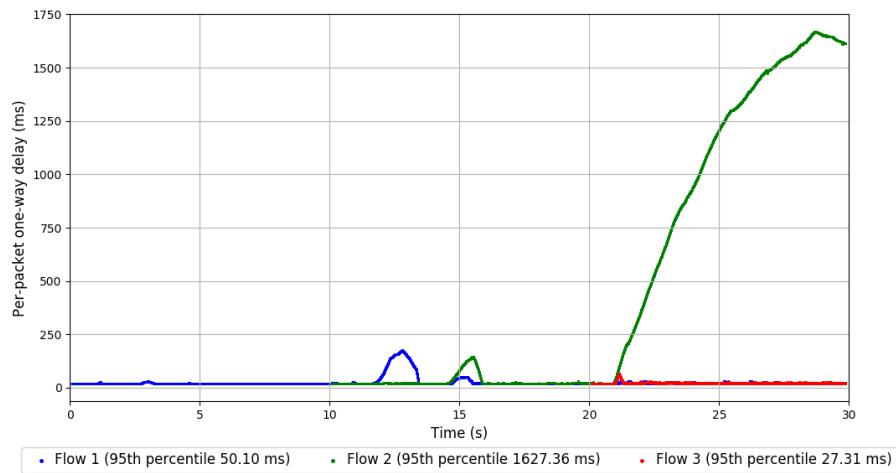
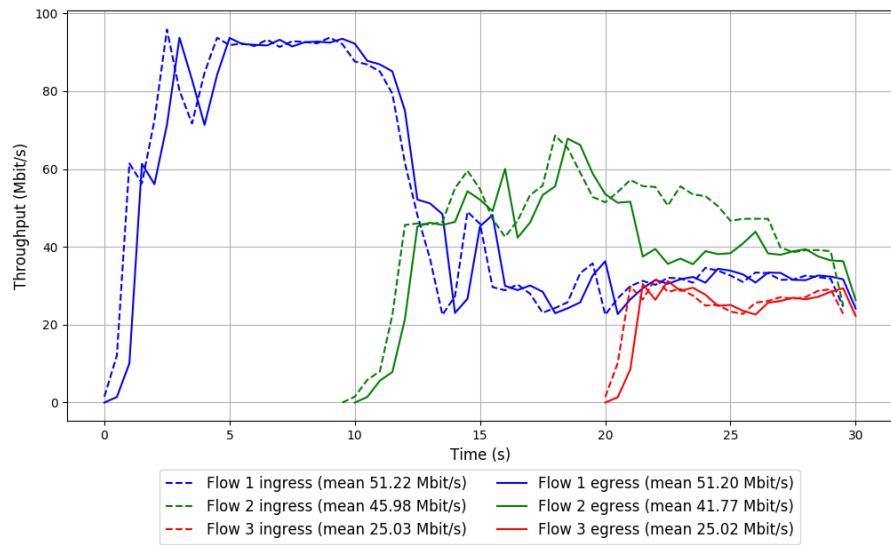


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-18 11:48:10
End at: 2019-07-18 11:48:40
Local clock offset: 4.832 ms
Remote clock offset: -3.664 ms

# Below is generated by plot.py at 2019-07-18 13:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 1409.647 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 50.103 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 41.77 Mbit/s
95th percentile per-packet one-way delay: 1627.361 ms
Loss rate: 9.27%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 27.313 ms
Loss rate: 0.38%
```

Run 3: Report of PCC-Vivace — Data Link

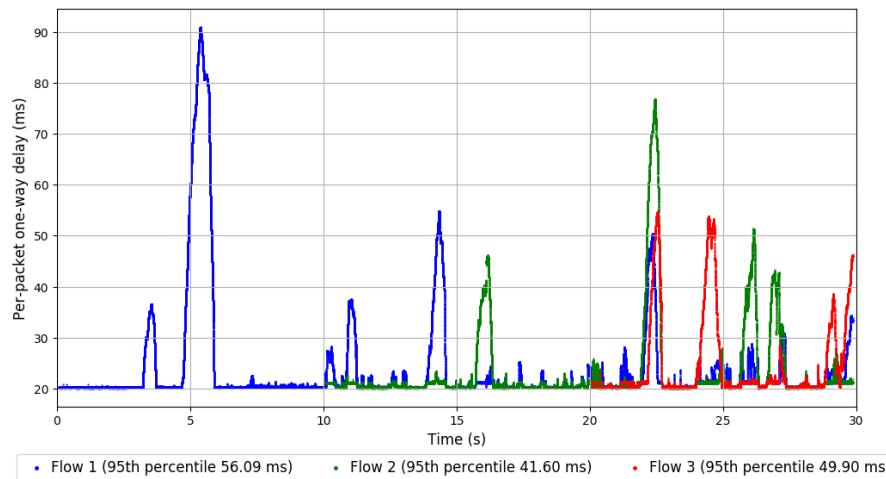
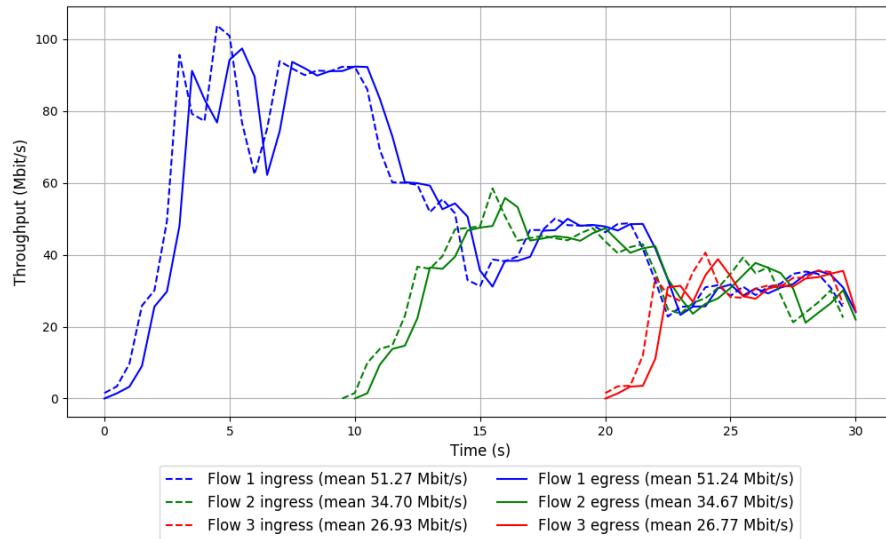


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-18 12:17:33
End at: 2019-07-18 12:18:03
Local clock offset: 4.678 ms
Remote clock offset: -1.807 ms

# Below is generated by plot.py at 2019-07-18 13:22:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 49.305 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 56.090 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 41.601 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 49.900 ms
Loss rate: 0.87%
```

Run 4: Report of PCC-Vivace — Data Link

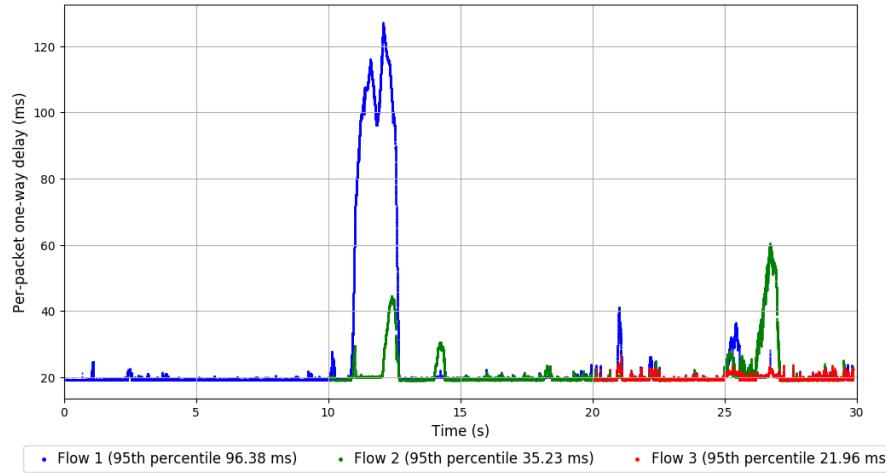
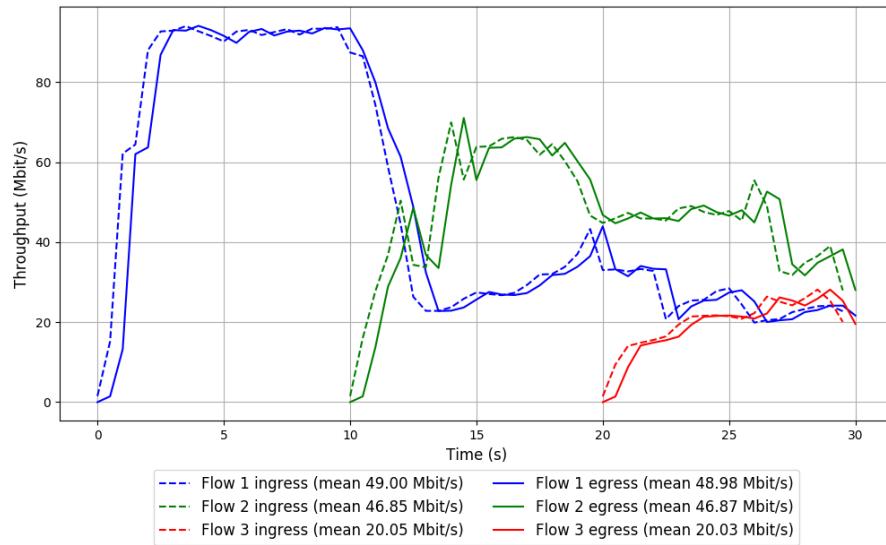


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-18 12:46:32
End at: 2019-07-18 12:47:02
Local clock offset: 3.606 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2019-07-18 13:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 42.195 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 96.376 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 35.229 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 21.962 ms
Loss rate: 0.39%
```

Run 5: Report of PCC-Vivace — Data Link

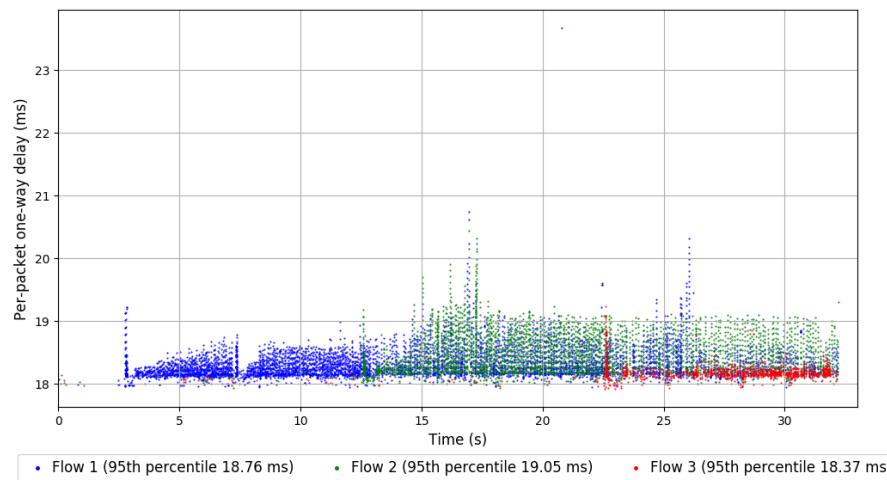
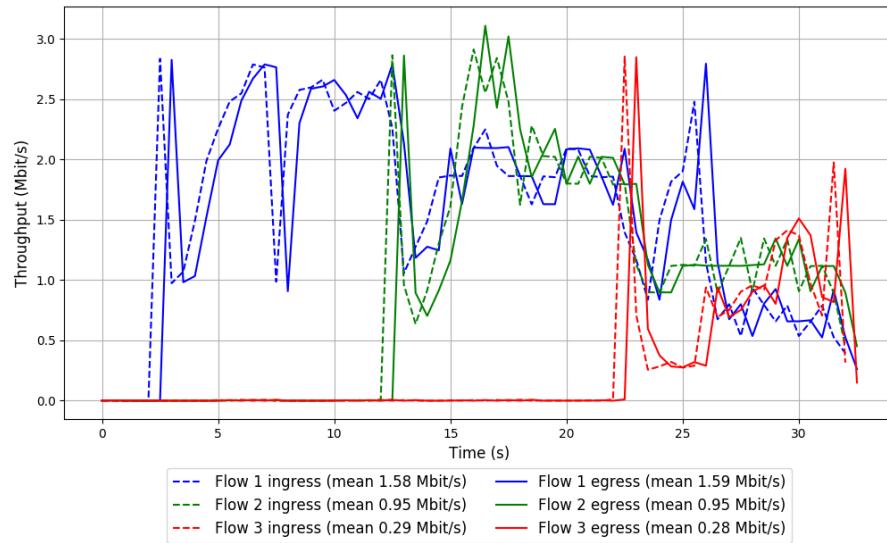


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-18 10:59:37
End at: 2019-07-18 11:00:07
Local clock offset: -0.413 ms
Remote clock offset: -4.633 ms

# Below is generated by plot.py at 2019-07-18 13:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 18.761 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 18.370 ms
Loss rate: 1.19%
```

Run 1: Report of WebRTC media — Data Link

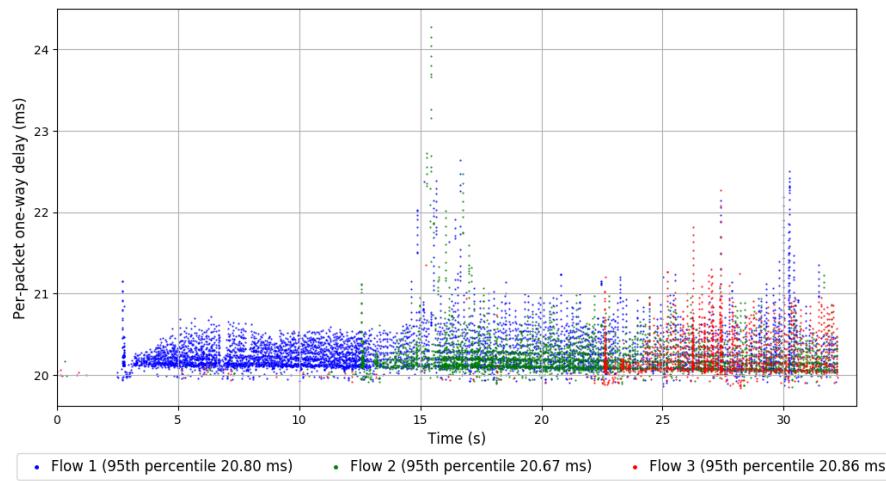
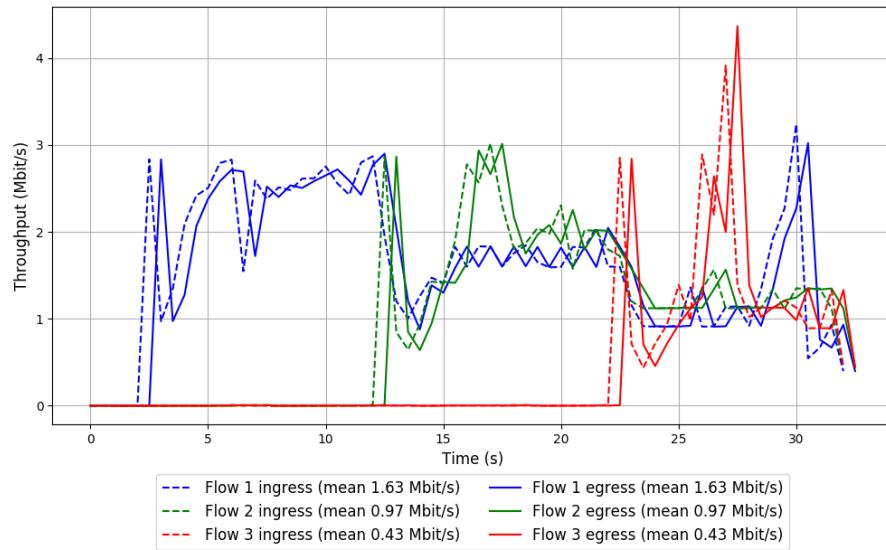


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-18 11:28:54
End at: 2019-07-18 11:29:24
Local clock offset: 1.17 ms
Remote clock offset: -5.381 ms

# Below is generated by plot.py at 2019-07-18 13:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 20.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 20.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 20.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.863 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

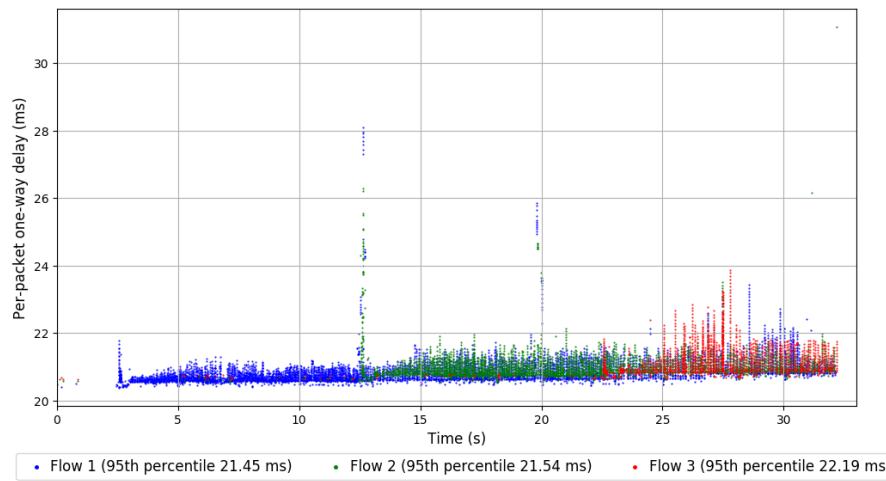
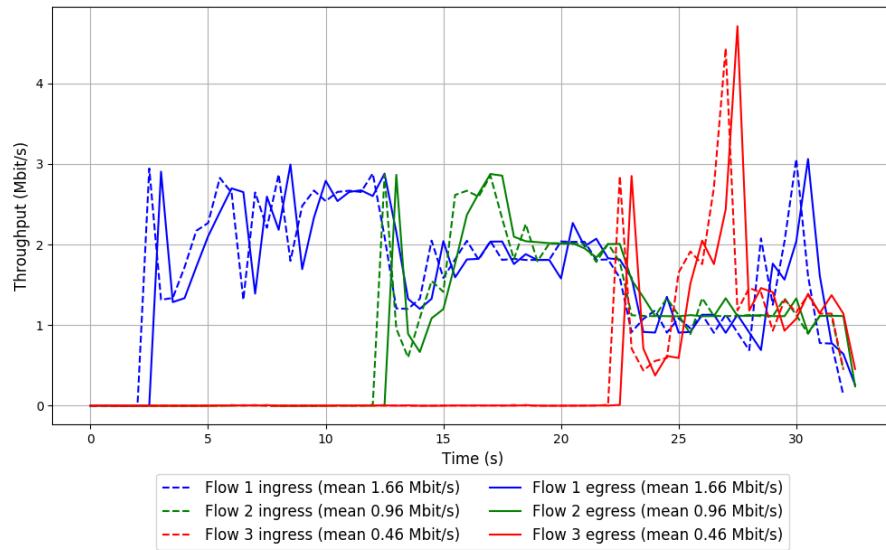


```
Run 3: Statistics of WebRTC media

Start at: 2019-07-18 11:57:55
End at: 2019-07-18 11:58:26
Local clock offset: 3.749 ms
Remote clock offset: -4.311 ms

# Below is generated by plot.py at 2019-07-18 13:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 21.680 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 21.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 21.542 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 22.189 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

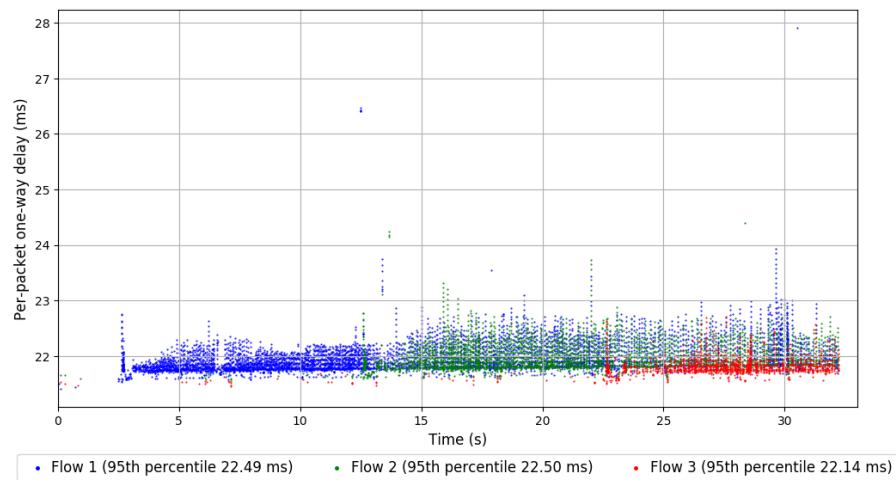
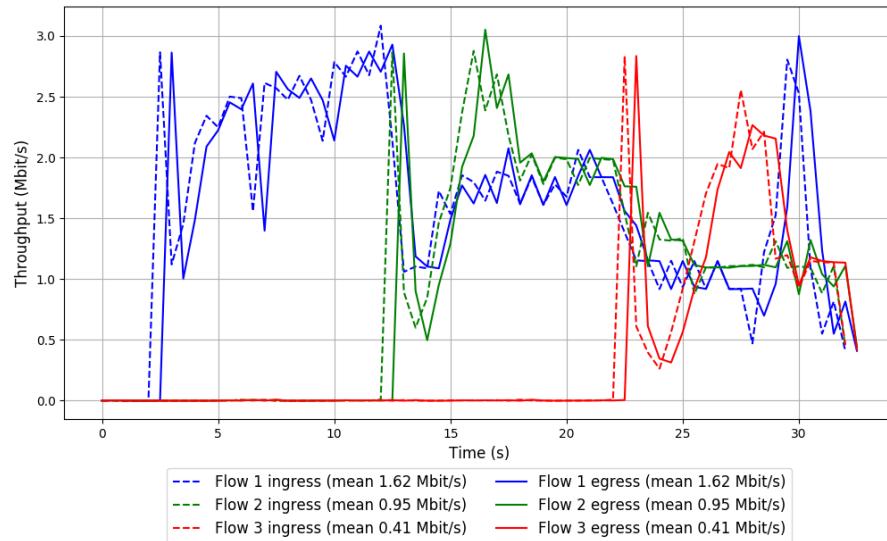


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-18 12:27:10
End at: 2019-07-18 12:27:40
Local clock offset: 4.692 ms
Remote clock offset: -3.215 ms

# Below is generated by plot.py at 2019-07-18 13:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 22.467 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 22.492 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 22.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 22.137 ms
Loss rate: 0.14%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-07-18 12:56:21
End at: 2019-07-18 12:56:51
Local clock offset: 2.806 ms
Remote clock offset: -1.139 ms

# Below is generated by plot.py at 2019-07-18 13:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 19.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 19.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 19.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

