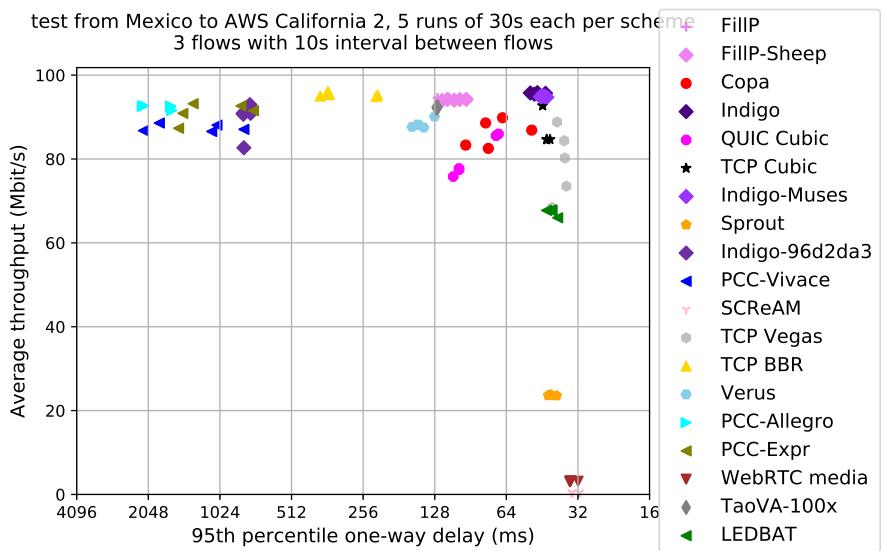
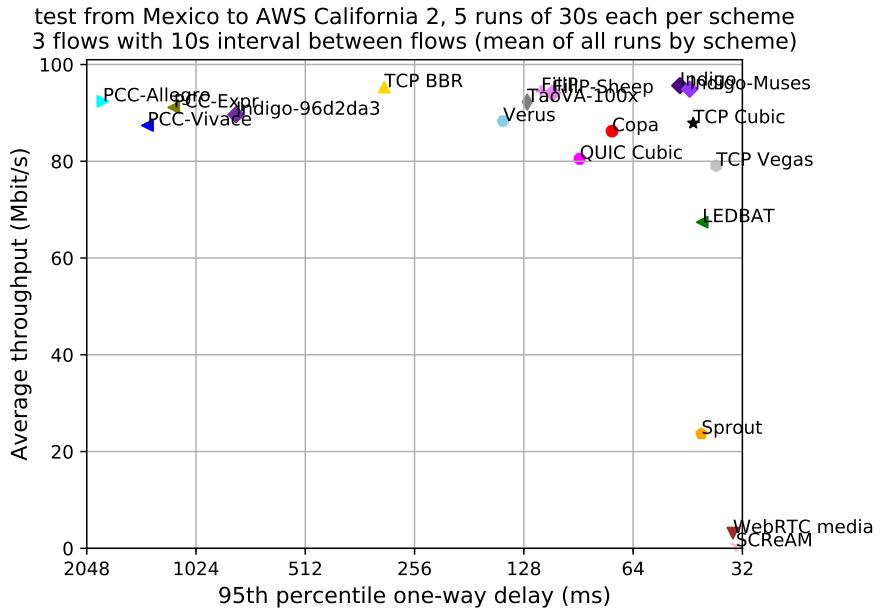


Pantheon Report

Generated at 2018-11-30 17:31:18 (UTC).
Data path: Mexico on `em1` (*remote*) → AWS California 2 on `ens5` (*local*).
Repeated the test of 19 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
System info:  
Linux 4.15.0-1027-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 @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d  
third_party/fillp @ d6da1459332fceef56963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/indigo-96d2da3 @ 8413272d46f8aa0bc967ed7048b6a8f994abb95  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a  
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
```



4

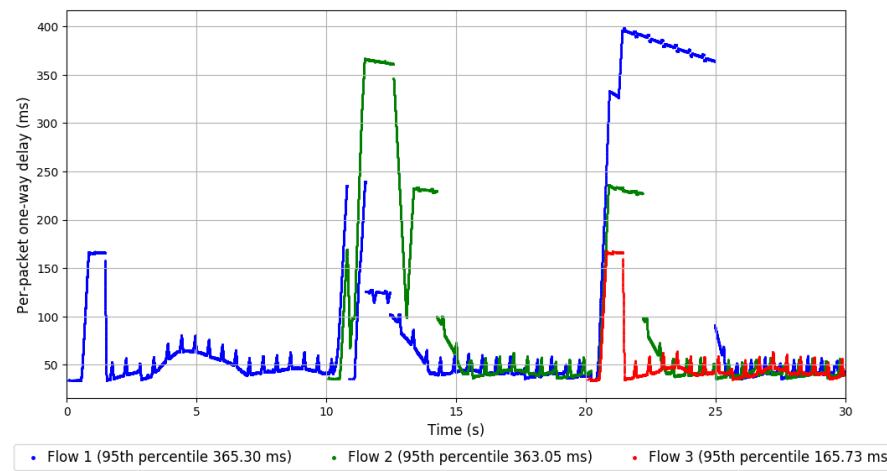
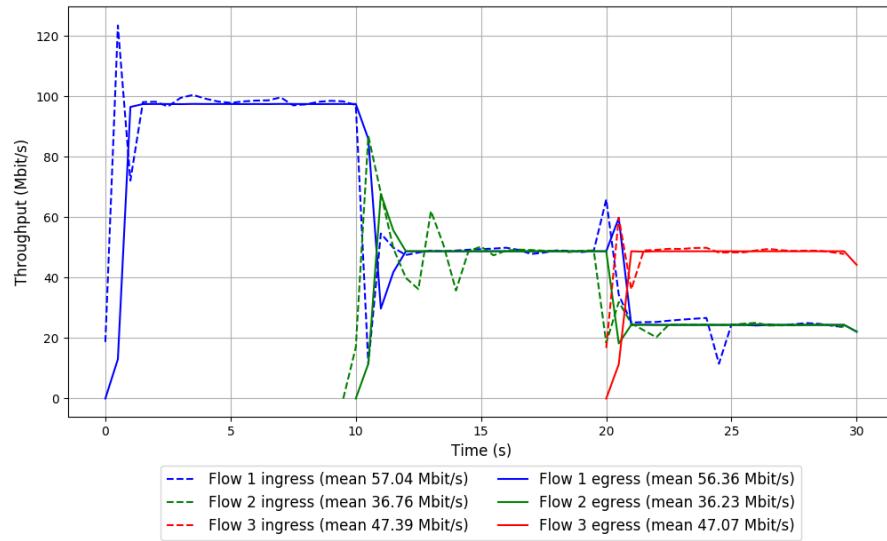
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	56.19	43.47	30.78	242.58	181.34	495.83	1.16	1.25	6.23
Copa	5	50.56	39.49	28.33	94.65	54.22	43.50	0.18	0.25	0.66
TCP Cubic	5	50.60	39.68	32.86	44.85	41.09	49.11	0.17	0.32	0.75
FillP	5	57.21	40.33	31.68	98.65	128.12	92.87	0.42	2.87	1.90
FillP-Sheep	5	56.18	37.70	38.80	105.79	120.55	84.68	0.30	0.54	1.21
Indigo	5	59.14	38.65	33.10	45.91	51.94	47.12	0.20	0.40	0.74
Indigo-96d2da3	5	55.56	36.26	30.16	659.71	832.75	1010.80	4.20	4.54	7.47
LEDBAT	5	39.53	31.03	21.86	41.16	42.11	40.42	0.19	0.32	1.01
Indigo-Muses	5	58.99	40.38	27.41	45.40	43.85	45.93	0.14	0.30	0.76
PCC-Allegro	5	57.71	38.85	26.98	1861.06	1004.95	291.72	17.11	11.91	3.96
PCC-Expr	5	57.57	35.22	30.82	843.64	1200.36	174.90	32.00	20.81	1.50
QUIC Cubic	5	48.50	33.80	29.01	78.59	108.41	131.87	0.21	0.40	1.02
SCReAM	5	0.21	0.21	0.22	33.34	33.35	33.37	0.23	0.35	0.64
Sprout	5	11.95	11.87	11.67	41.36	41.33	42.12	0.23	0.26	0.77
TaoVA-100x	5	55.70	39.21	31.51	124.22	125.66	125.87	0.90	1.95	3.79
TCP Vegas	5	45.34	34.73	32.08	41.09	41.18	40.13	0.20	0.31	0.74
Verus	5	55.26	36.67	26.23	133.82	163.44	293.01	0.40	0.89	1.25
PCC-Vivace	5	53.34	38.29	26.21	1478.90	421.86	121.40	4.17	1.46	1.21
WebRTC media	5	1.76	1.01	0.40	33.97	34.00	33.96	0.14	0.27	0.48

Run 1: Statistics of TCP BBR

```
Start at: 2018-11-30 15:42:17
End at: 2018-11-30 15:42:47
Local clock offset: 0.592 ms
Remote clock offset: -3.12 ms

# Below is generated by plot.py at 2018-11-30 17:19:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 360.093 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 365.300 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 363.053 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 165.727 ms
Loss rate: 1.34%
```

Run 1: Report of TCP BBR — Data Link

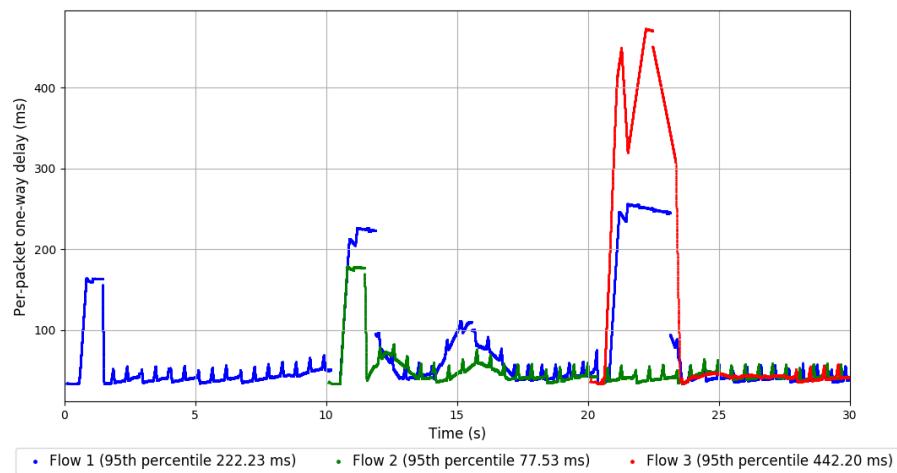
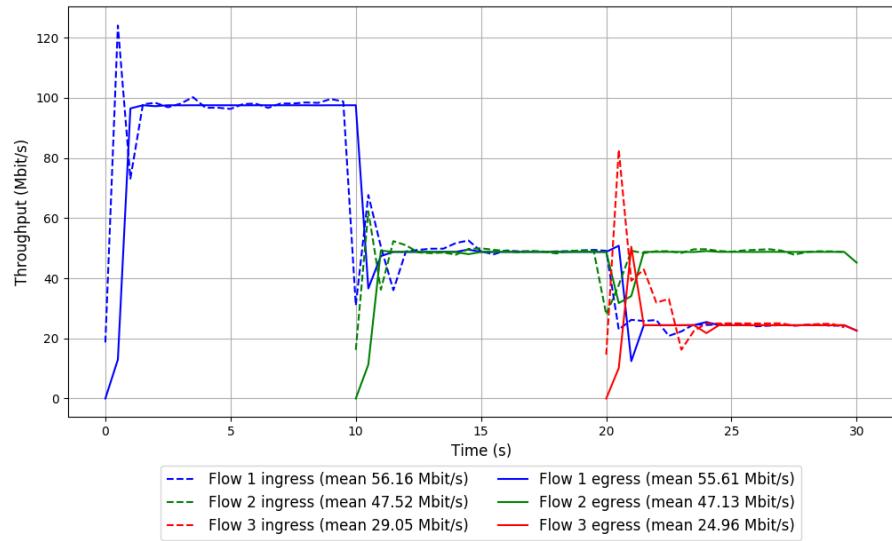


Run 2: Statistics of TCP BBR

```
Start at: 2018-11-30 16:06:03
End at: 2018-11-30 16:06:33
Local clock offset: 3.812 ms
Remote clock offset: -1.904 ms

# Below is generated by plot.py at 2018-11-30 17:19:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 222.761 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 222.226 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 77.526 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 442.204 ms
Loss rate: 14.65%
```

Run 2: Report of TCP BBR — Data Link

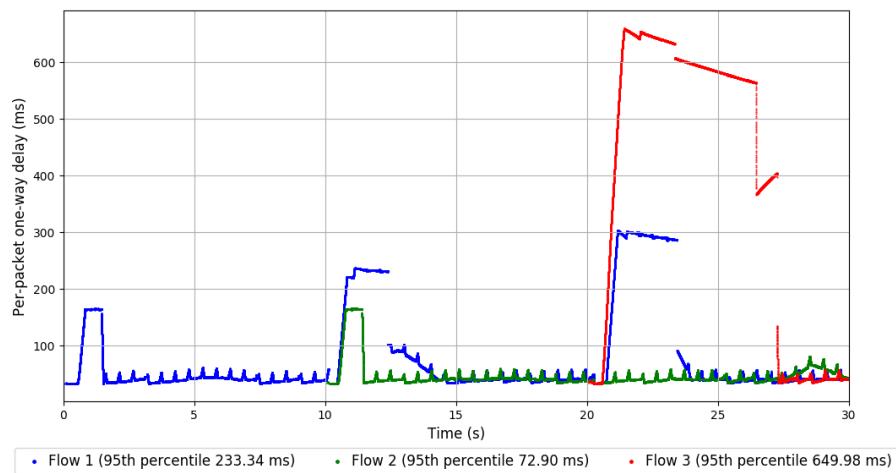
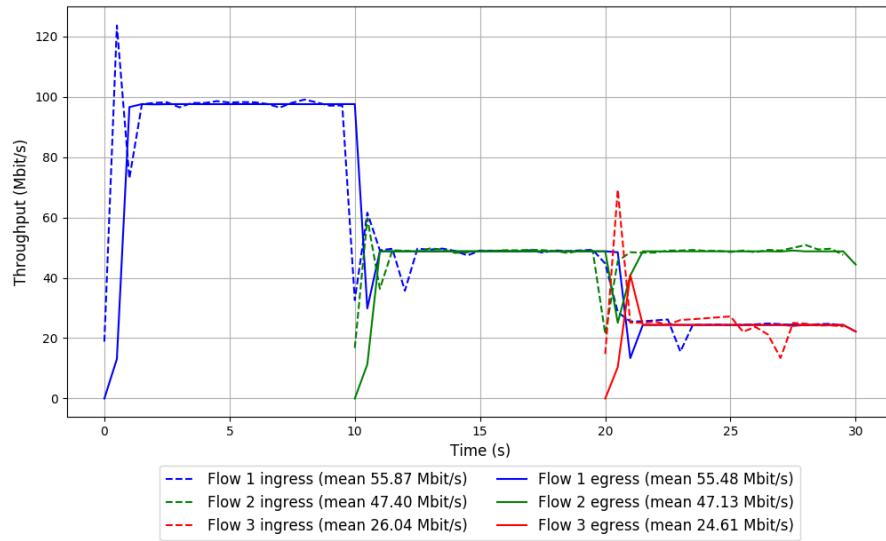


Run 3: Statistics of TCP BBR

```
Start at: 2018-11-30 16:29:09
End at: 2018-11-30 16:29:40
Local clock offset: 4.872 ms
Remote clock offset: -1.029 ms

# Below is generated by plot.py at 2018-11-30 17:19:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 387.496 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 233.344 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 72.898 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 649.979 ms
Loss rate: 6.13%
```

Run 3: Report of TCP BBR — Data Link

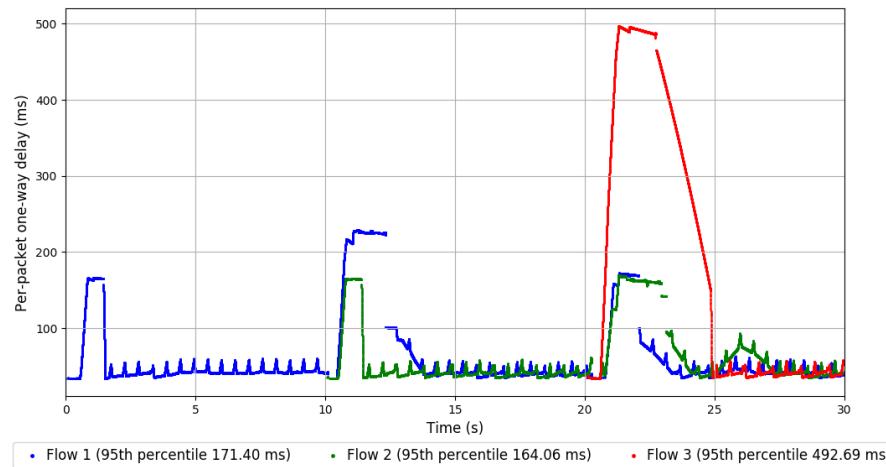
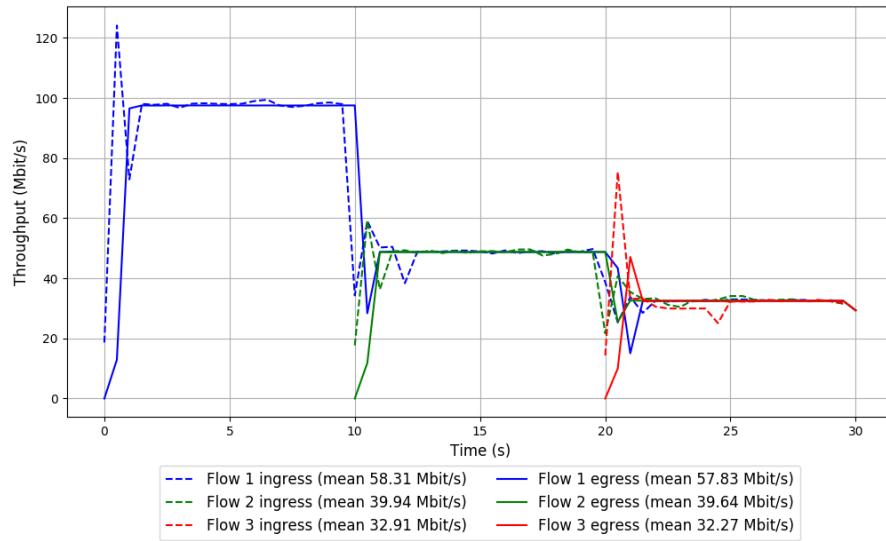


Run 4: Statistics of TCP BBR

```
Start at: 2018-11-30 16:52:15
End at: 2018-11-30 16:52:45
Local clock offset: 4.116 ms
Remote clock offset: -0.733 ms

# Below is generated by plot.py at 2018-11-30 17:19:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 225.544 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 171.398 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 164.061 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 492.686 ms
Loss rate: 2.57%
```

Run 4: Report of TCP BBR — Data Link

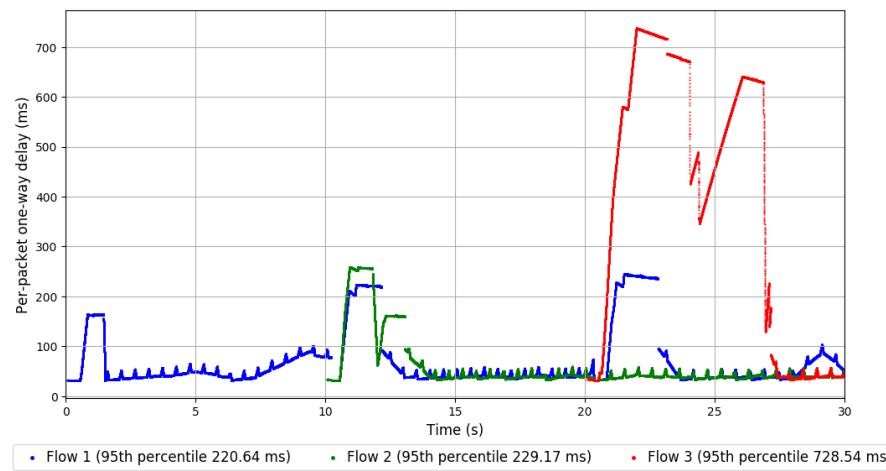
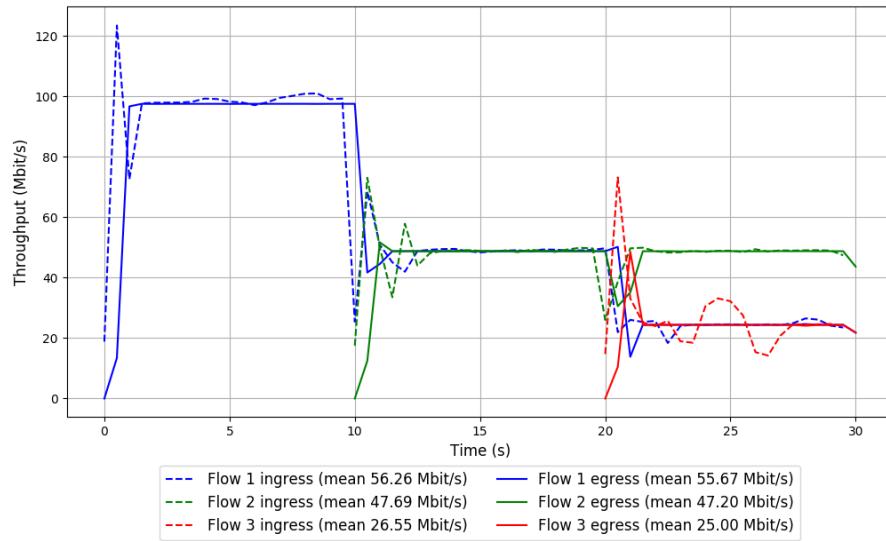


Run 5: Statistics of TCP BBR

```
Start at: 2018-11-30 17:15:24
End at: 2018-11-30 17:15:54
Local clock offset: 2.918 ms
Remote clock offset: 2.246 ms

# Below is generated by plot.py at 2018-11-30 17:19:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 354.852 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 220.641 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 229.169 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 728.537 ms
Loss rate: 6.47%
```

Run 5: Report of TCP BBR — Data Link

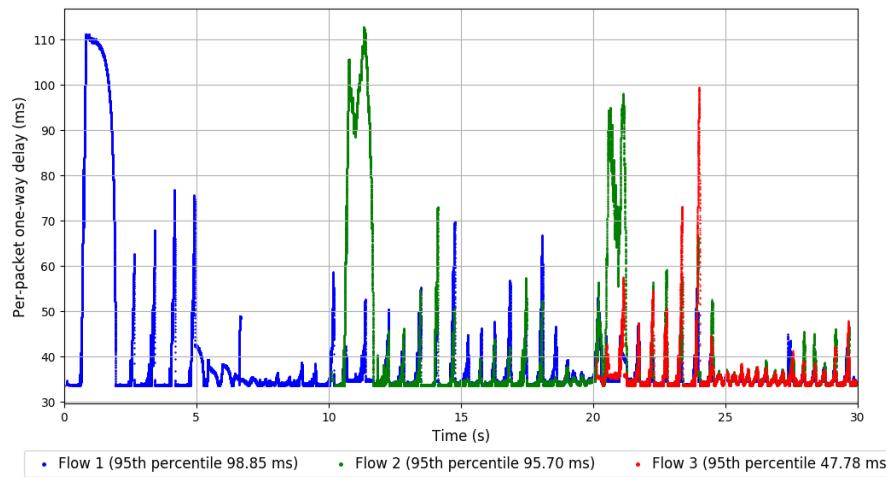
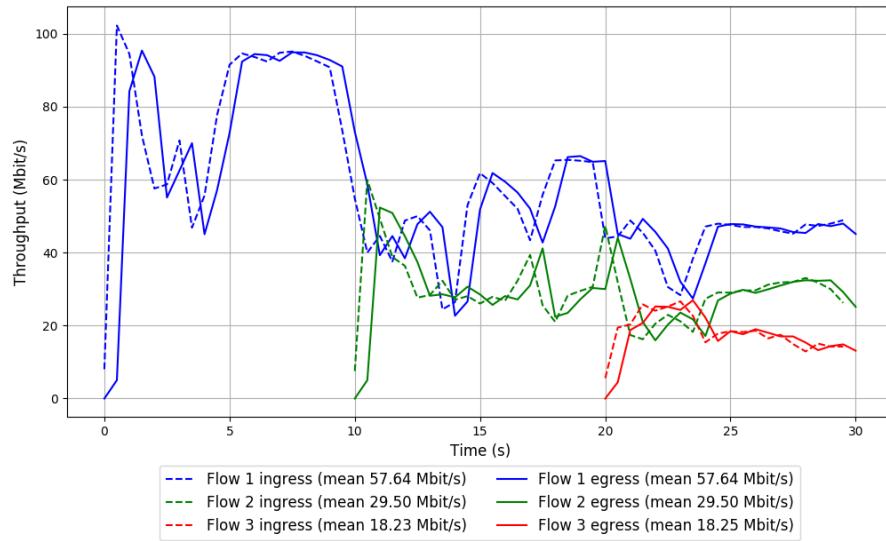


Run 1: Statistics of Copa

```
Start at: 2018-11-30 15:32:39
End at: 2018-11-30 15:33:09
Local clock offset: 0.619 ms
Remote clock offset: -3.448 ms

# Below is generated by plot.py at 2018-11-30 17:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 94.851 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 98.846 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 95.701 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 47.776 ms
Loss rate: 0.52%
```

Run 1: Report of Copa — Data Link

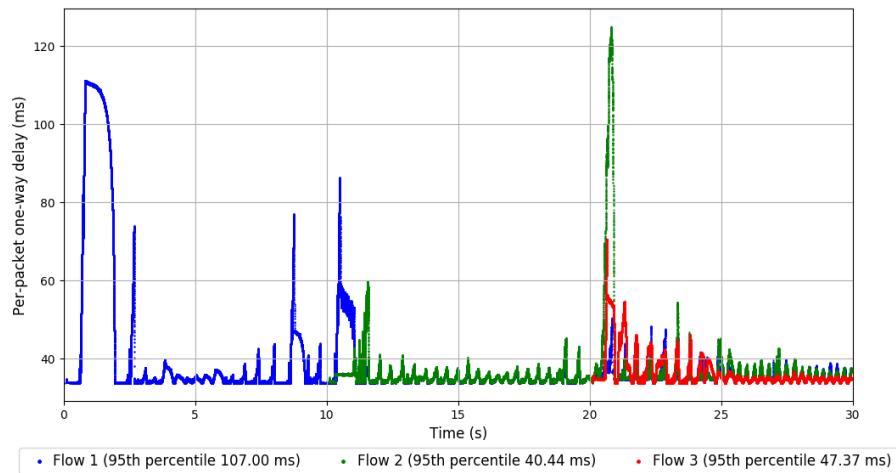
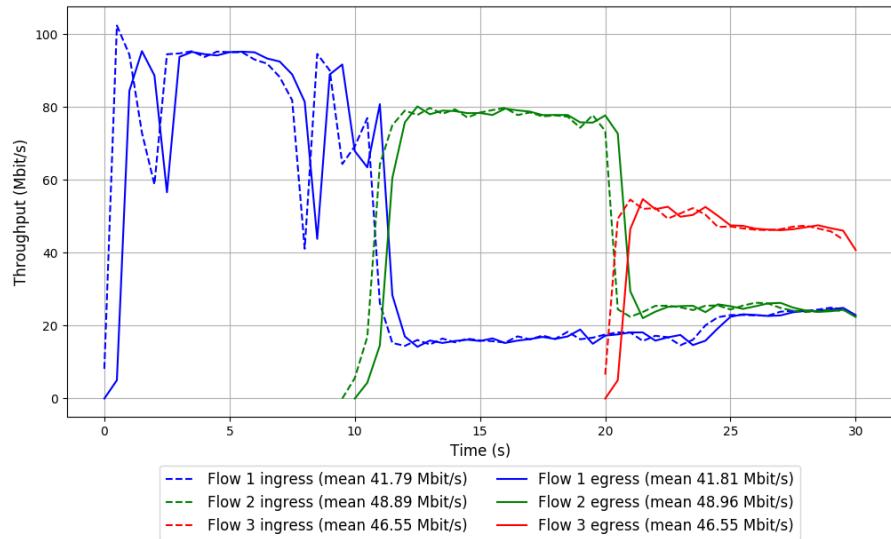


Run 2: Statistics of Copa

```
Start at: 2018-11-30 15:56:05
End at: 2018-11-30 15:56:35
Local clock offset: 2.94 ms
Remote clock offset: -2.551 ms

# Below is generated by plot.py at 2018-11-30 17:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 66.403 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 107.005 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 40.441 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 47.370 ms
Loss rate: 0.65%
```

Run 2: Report of Copa — Data Link

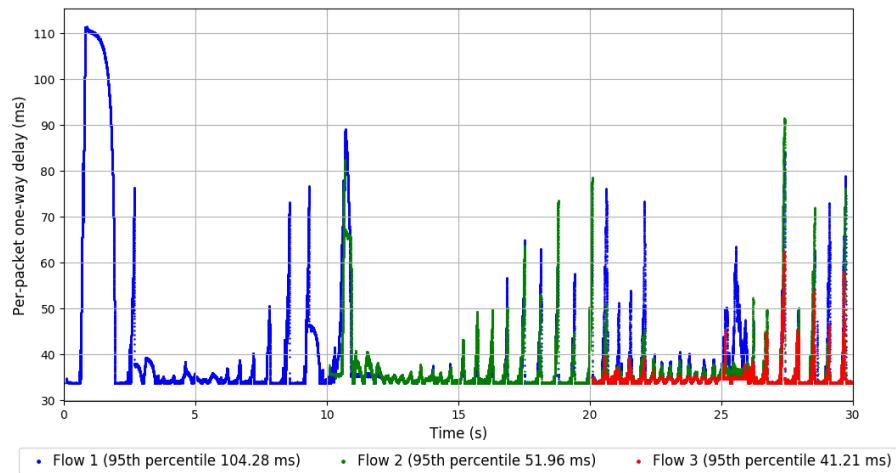
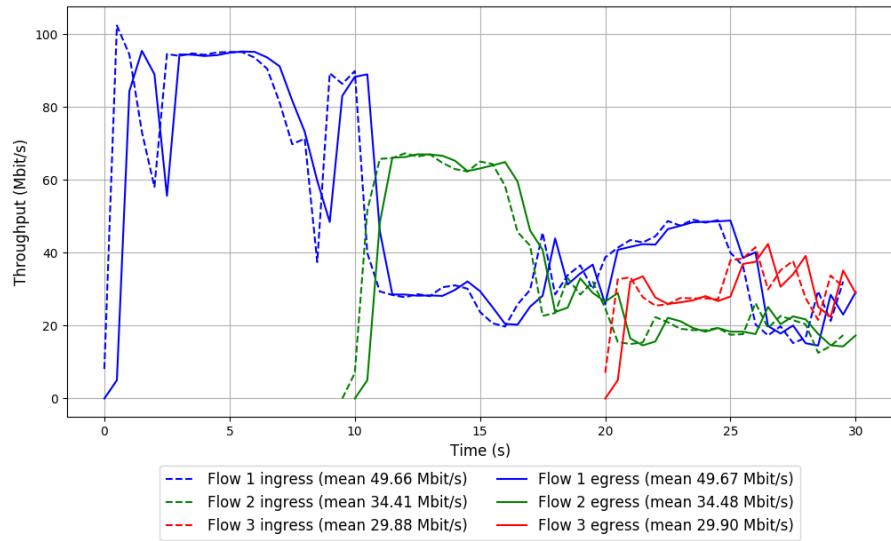


Run 3: Statistics of Copa

```
Start at: 2018-11-30 16:19:33
End at: 2018-11-30 16:20:03
Local clock offset: 4.509 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2018-11-30 17:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 76.191 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 104.278 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 51.956 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 41.211 ms
Loss rate: 0.59%
```

Run 3: Report of Copa — Data Link

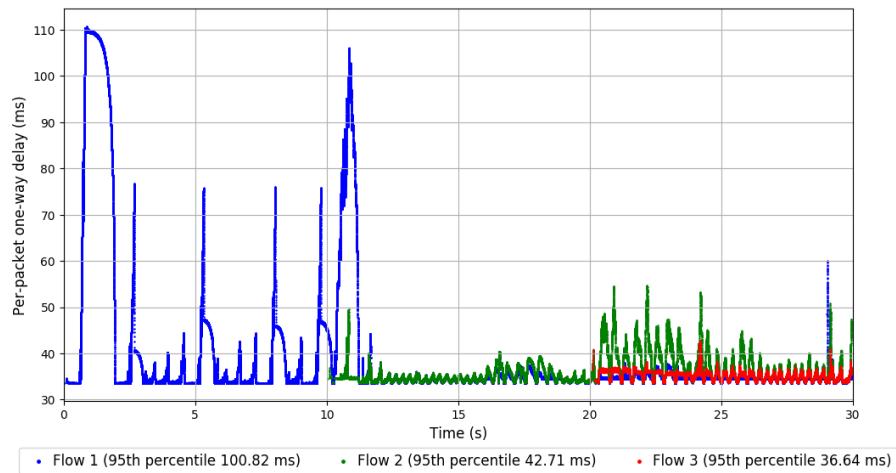
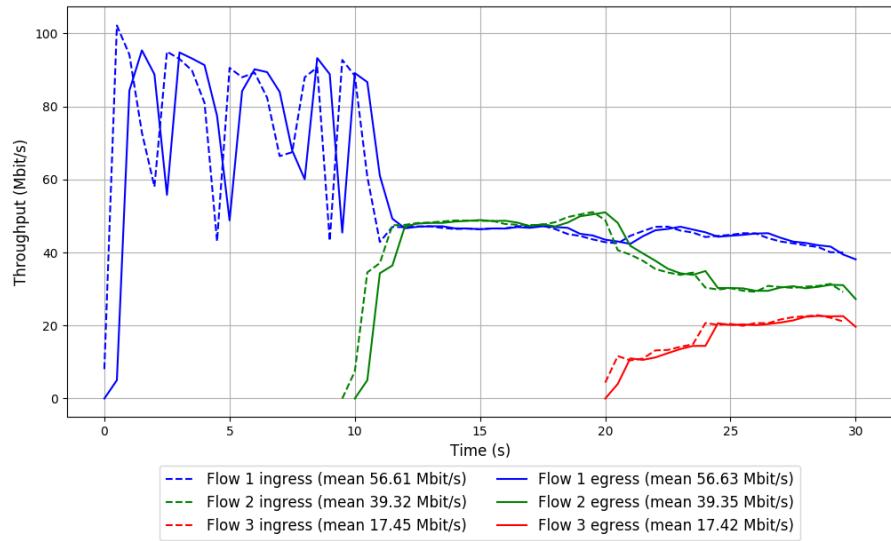


Run 4: Statistics of Copa

```
Start at: 2018-11-30 16:42:37
End at: 2018-11-30 16:43:07
Local clock offset: 5.369 ms
Remote clock offset: -0.731 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 78.200 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 100.820 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 42.714 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 17.42 Mbit/s
95th percentile per-packet one-way delay: 36.640 ms
Loss rate: 0.81%
```

Run 4: Report of Copa — Data Link

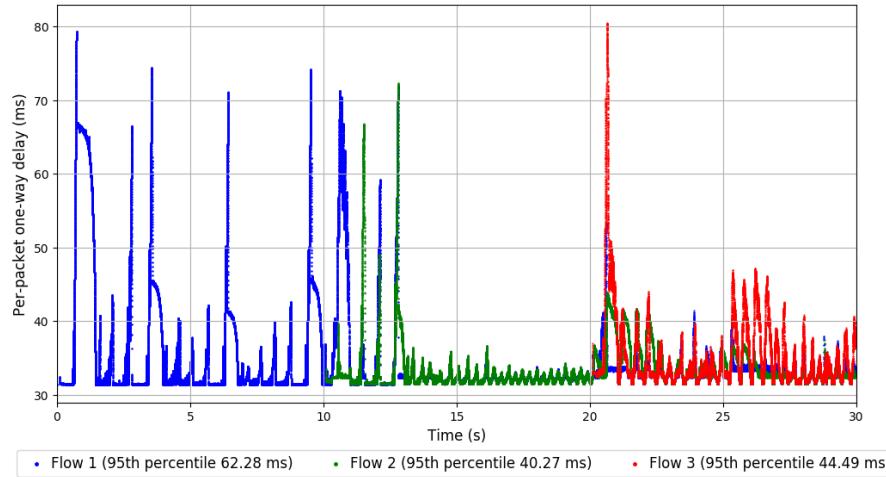
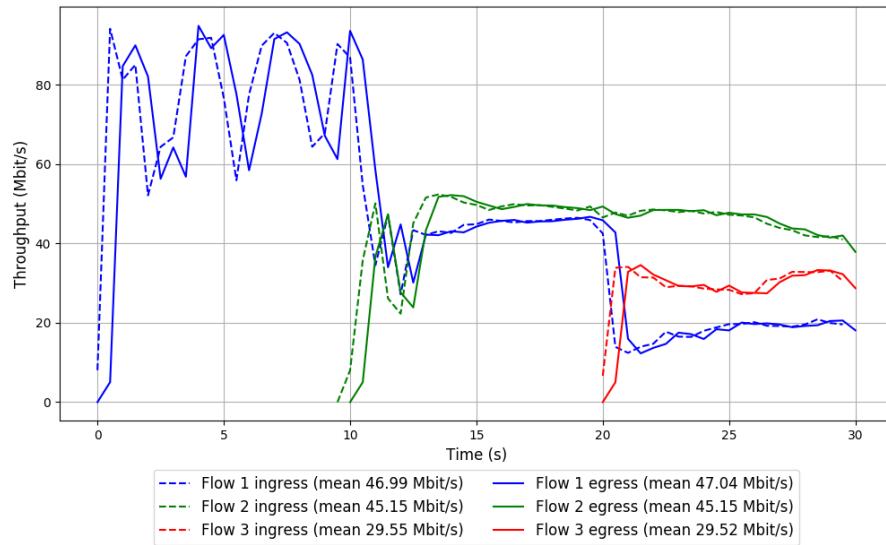


Run 5: Statistics of Copa

```
Start at: 2018-11-30 17:05:45
End at: 2018-11-30 17:06:15
Local clock offset: 3.28 ms
Remote clock offset: 1.991 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 50.074 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 40.270 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 44.492 ms
Loss rate: 0.75%
```

Run 5: Report of Copa — Data Link

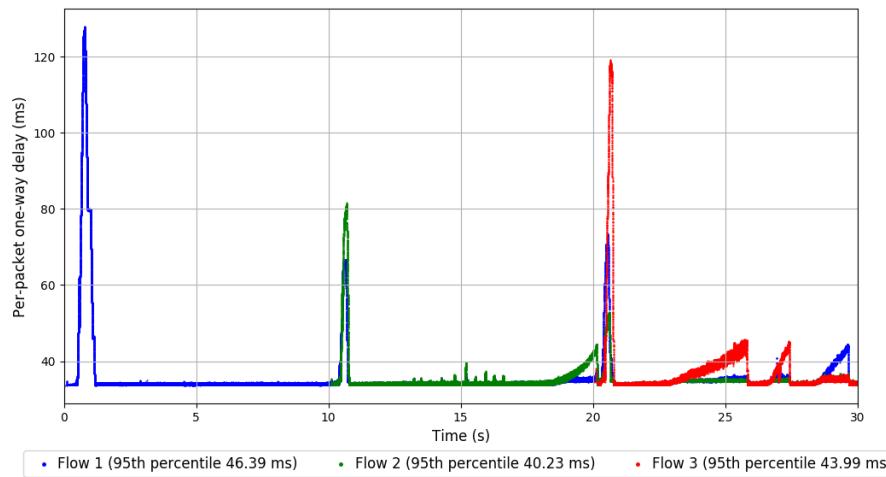
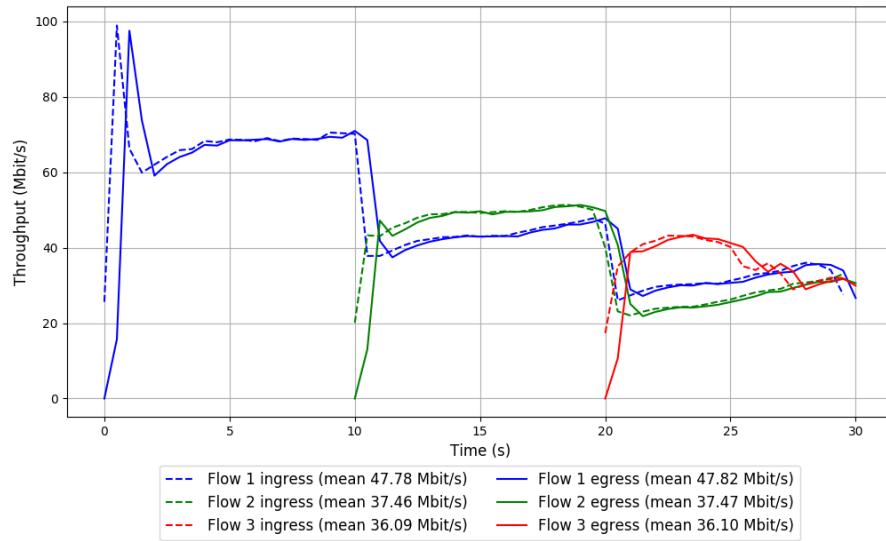


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-11-30 15:23:57
End at: 2018-11-30 15:24:27
Local clock offset: 0.654 ms
Remote clock offset: -3.807 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 43.315 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 46.388 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 40.231 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 43.995 ms
Loss rate: 0.62%
```

Run 1: Report of TCP Cubic — Data Link

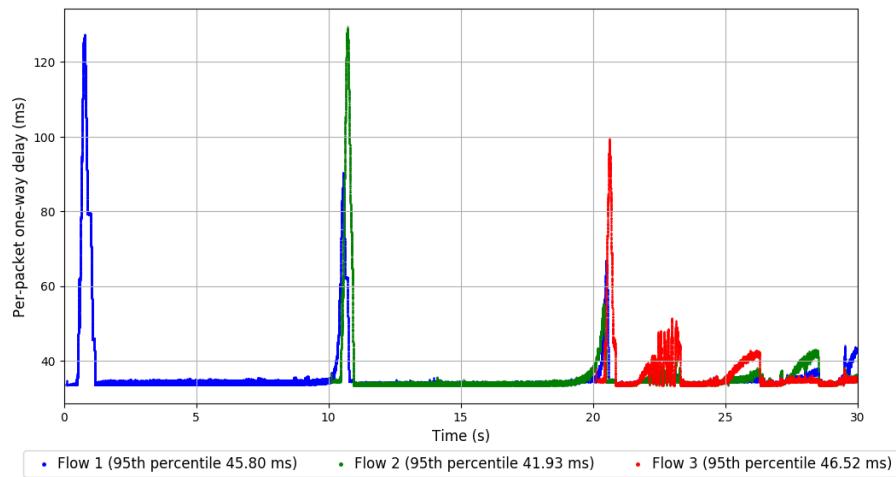
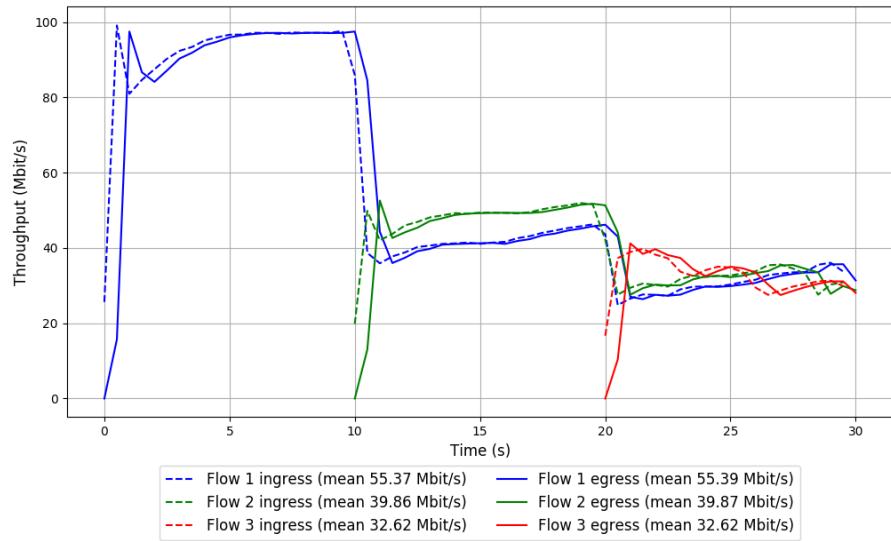


Run 2: Statistics of TCP Cubic

```
Start at: 2018-11-30 15:47:17
End at: 2018-11-30 15:47:47
Local clock offset: 1.288 ms
Remote clock offset: -2.685 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 45.034 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 45.796 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 41.928 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 0.66%
```

Run 2: Report of TCP Cubic — Data Link

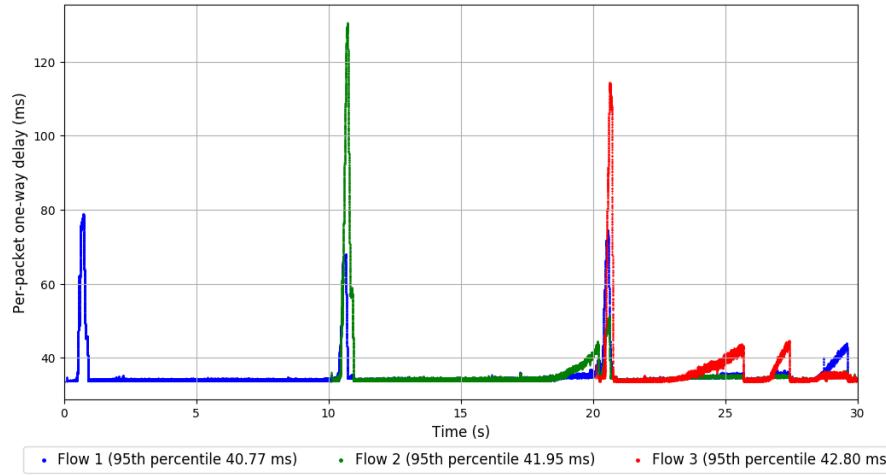
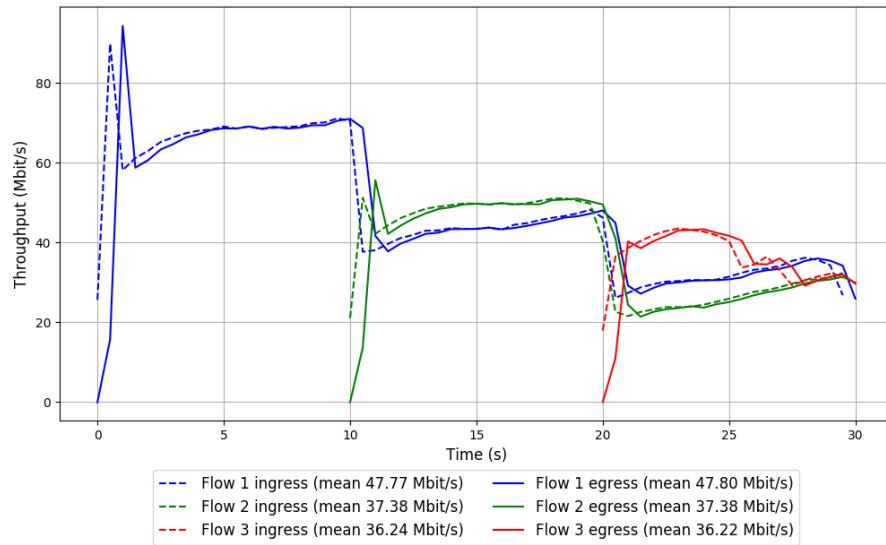


Run 3: Statistics of TCP Cubic

```
Start at: 2018-11-30 16:11:00
End at: 2018-11-30 16:11:30
Local clock offset: 4.09 ms
Remote clock offset: -1.786 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 41.944 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 41.954 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 42.805 ms
Loss rate: 0.70%
```

Run 3: Report of TCP Cubic — Data Link

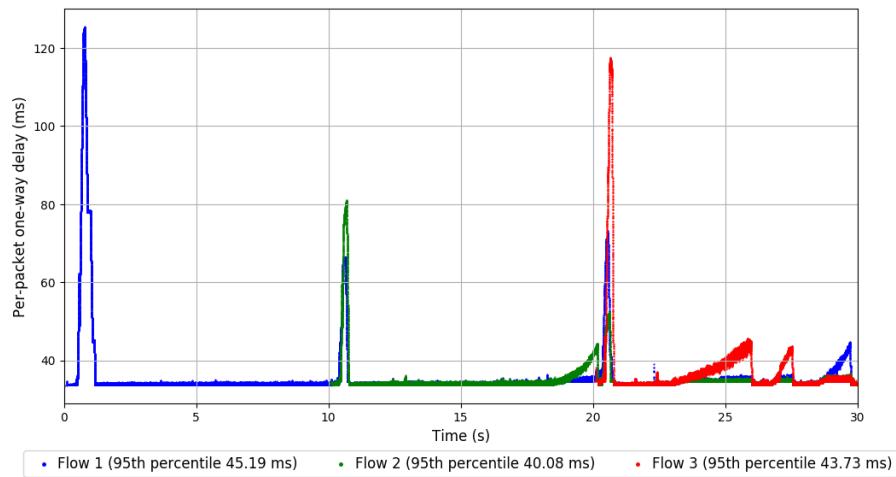
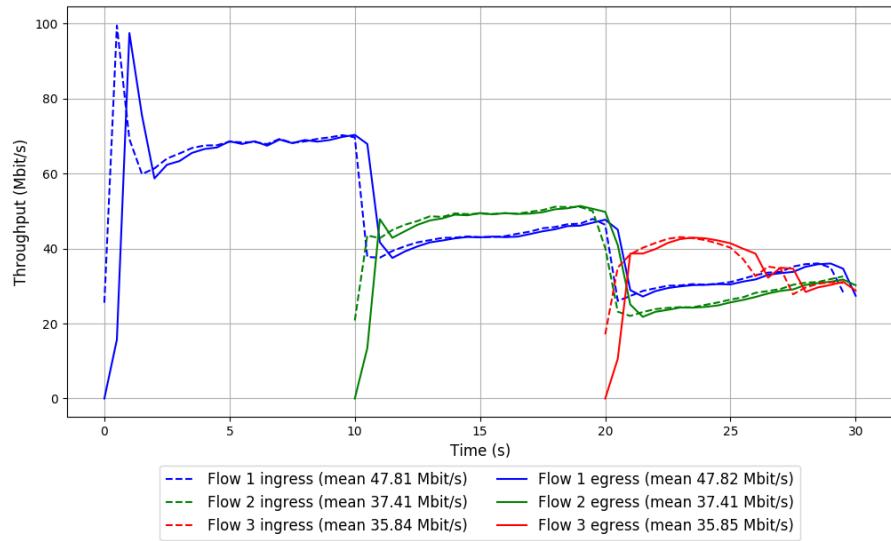


Run 4: Statistics of TCP Cubic

```
Start at: 2018-11-30 16:34:06
End at: 2018-11-30 16:34:36
Local clock offset: 5.065 ms
Remote clock offset: -0.995 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 43.261 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 45.185 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 40.080 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 43.733 ms
Loss rate: 0.61%
```

Run 4: Report of TCP Cubic — Data Link

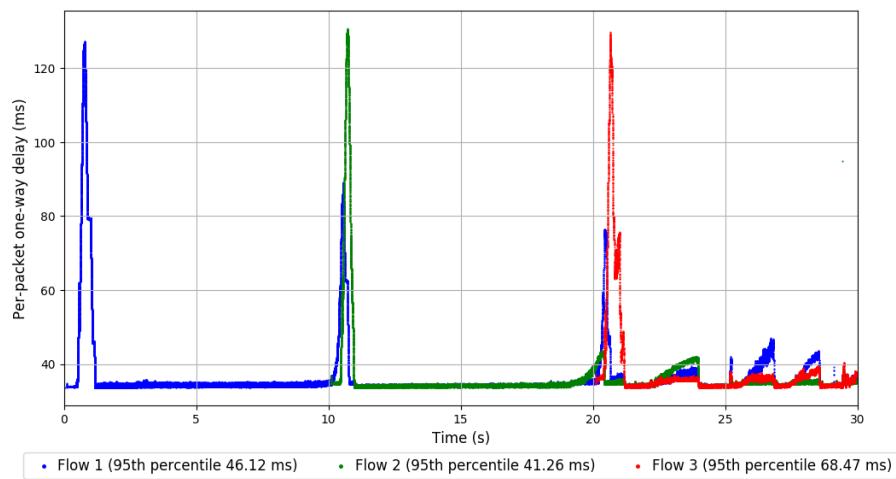
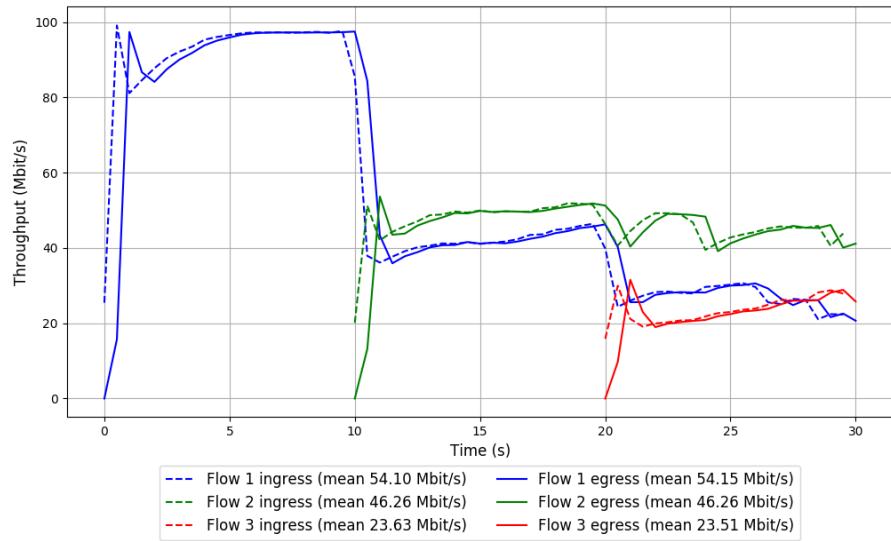


Run 5: Statistics of TCP Cubic

```
Start at: 2018-11-30 16:57:12
End at: 2018-11-30 16:57:42
Local clock offset: 3.658 ms
Remote clock offset: -0.447 ms

# Below is generated by plot.py at 2018-11-30 17:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 45.007 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 46.120 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 46.26 Mbit/s
95th percentile per-packet one-way delay: 41.263 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 68.470 ms
Loss rate: 1.16%
```

Run 5: Report of TCP Cubic — Data Link

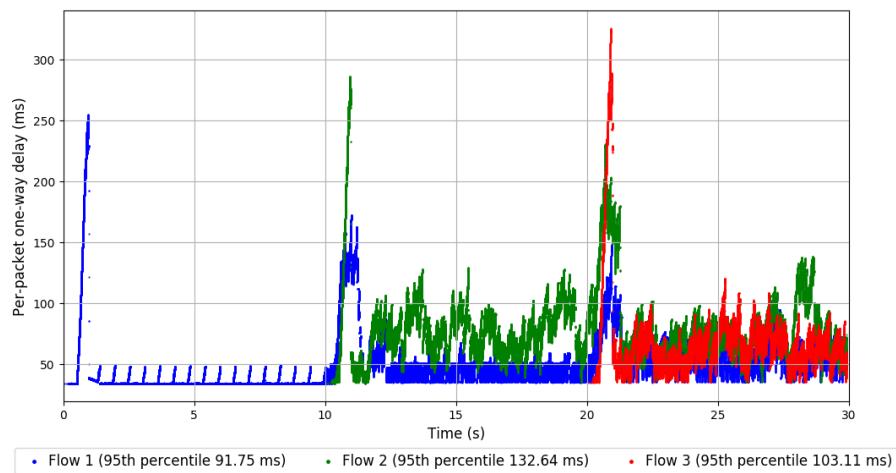
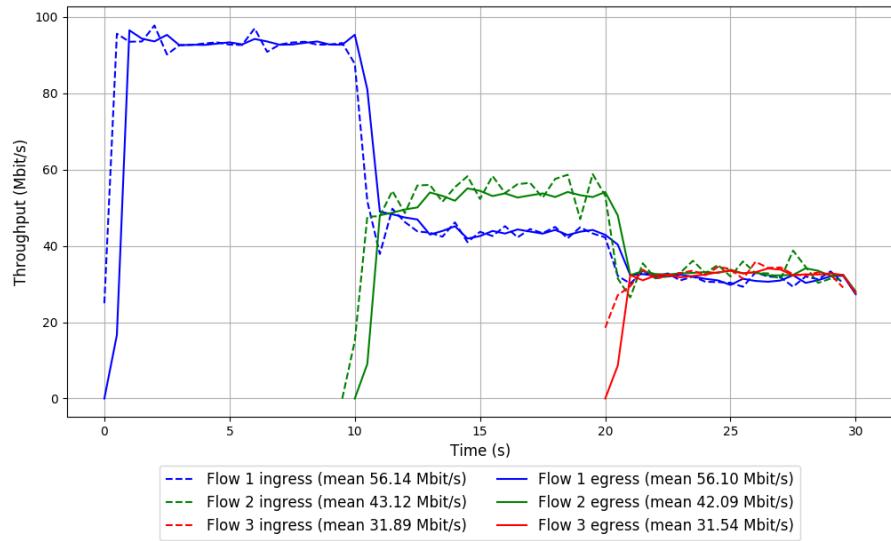


```
Run 1: Statistics of FillP

Start at: 2018-11-30 15:33:55
End at: 2018-11-30 15:34:25
Local clock offset: 0.621 ms
Remote clock offset: -3.604 ms

# Below is generated by plot.py at 2018-11-30 17:21:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 114.188 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 91.750 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 132.637 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 103.111 ms
Loss rate: 1.77%
```

Run 1: Report of FillP — Data Link

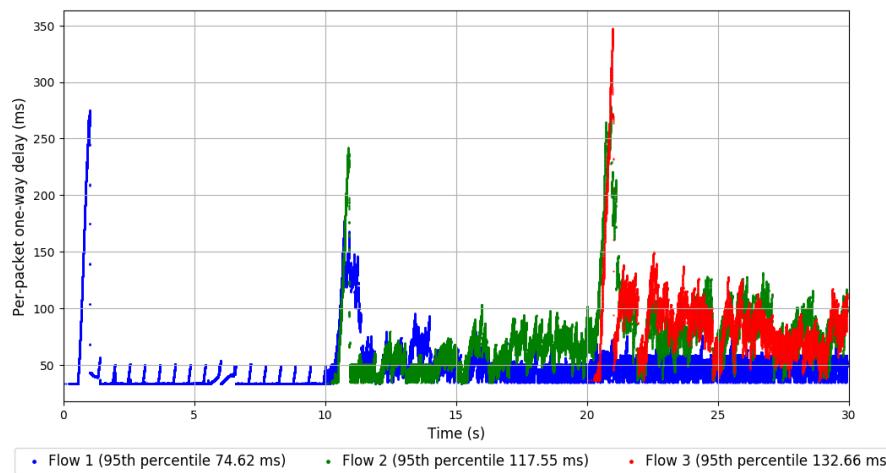
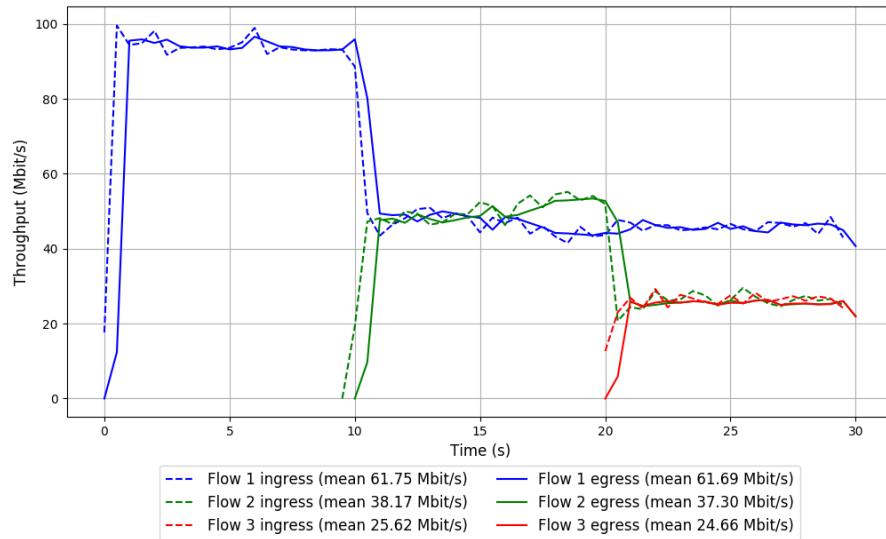


Run 2: Statistics of FillP

```
Start at: 2018-11-30 15:57:26
End at: 2018-11-30 15:57:56
Local clock offset: 3.121 ms
Remote clock offset: -2.352 ms

# Below is generated by plot.py at 2018-11-30 17:21:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 74.622 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 117.551 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 132.664 ms
Loss rate: 4.41%
```

Run 2: Report of FillP — Data Link

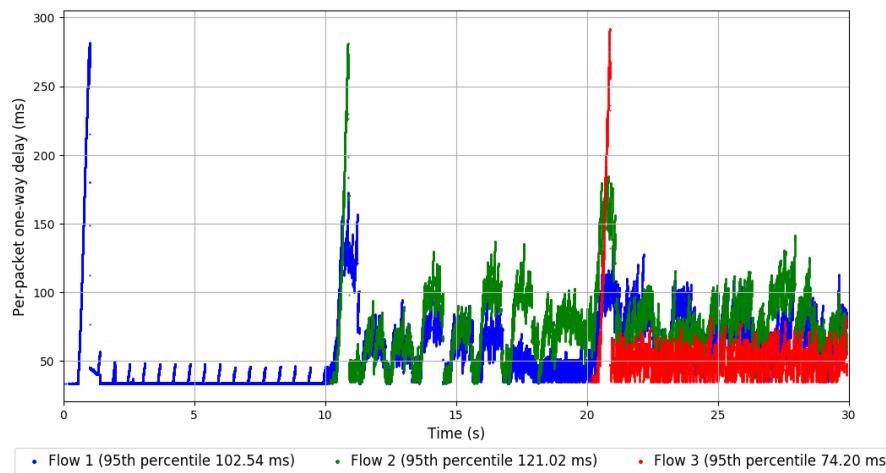
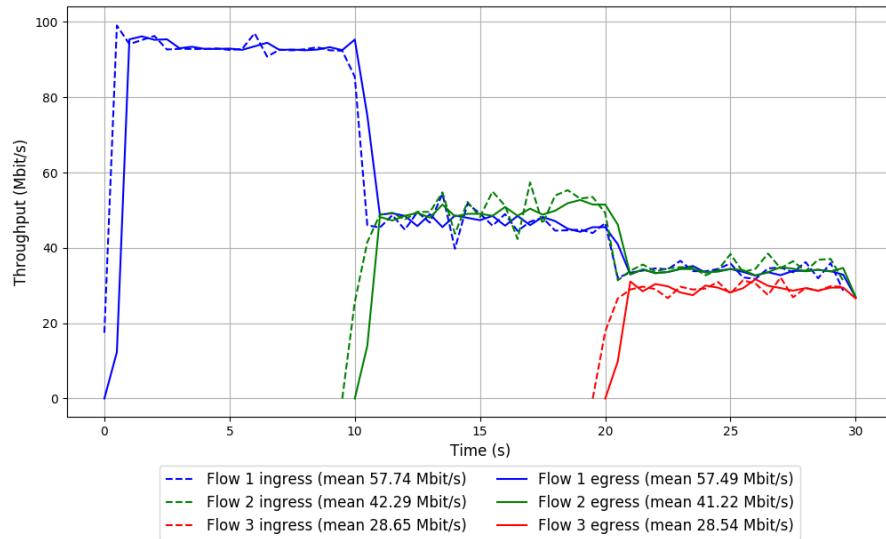


Run 3: Statistics of FillP

```
Start at: 2018-11-30 16:20:49
End at: 2018-11-30 16:21:19
Local clock offset: 4.551 ms
Remote clock offset: -1.409 ms

# Below is generated by plot.py at 2018-11-30 17:21:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 111.199 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 102.540 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 121.015 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 74.197 ms
Loss rate: 1.06%
```

Run 3: Report of FillP — Data Link

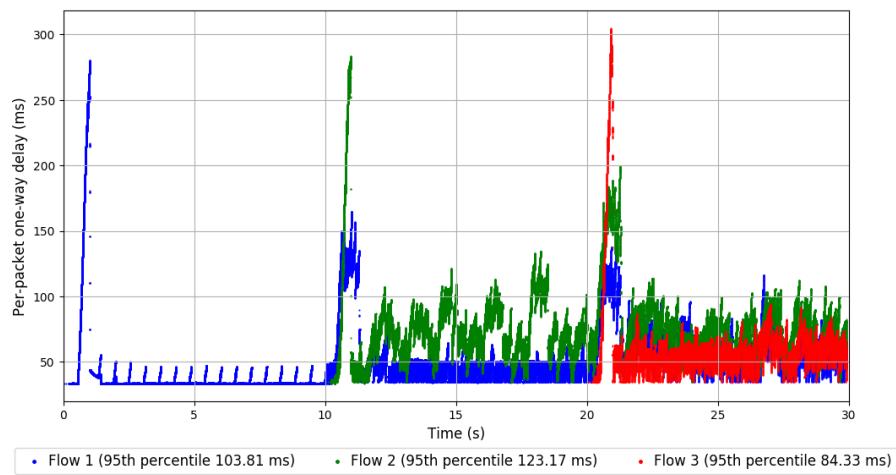
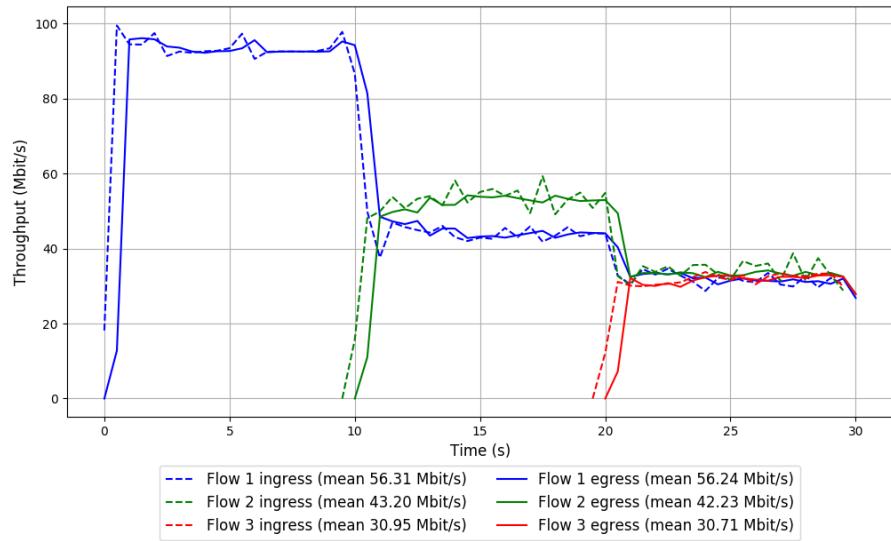


Run 4: Statistics of FillP

```
Start at: 2018-11-30 16:43:53
End at: 2018-11-30 16:44:23
Local clock offset: 5.422 ms
Remote clock offset: -0.704 ms

# Below is generated by plot.py at 2018-11-30 17:21:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 111.438 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 103.808 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 123.171 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 84.327 ms
Loss rate: 1.40%
```

Run 4: Report of FillP — Data Link

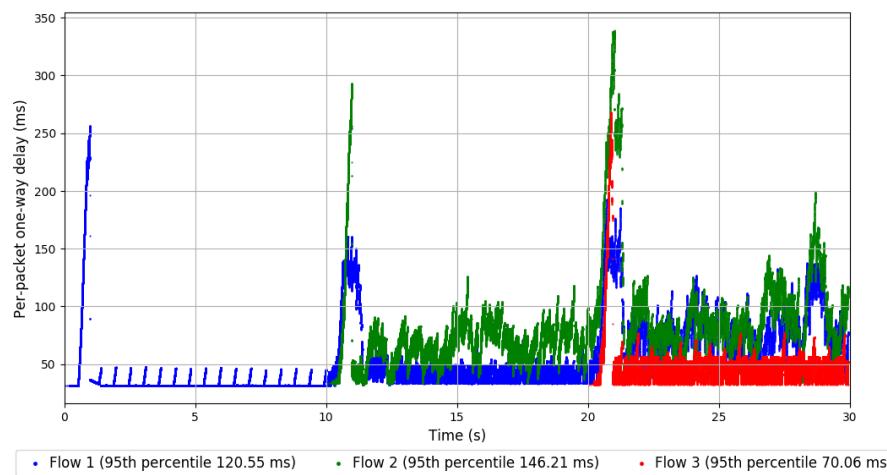
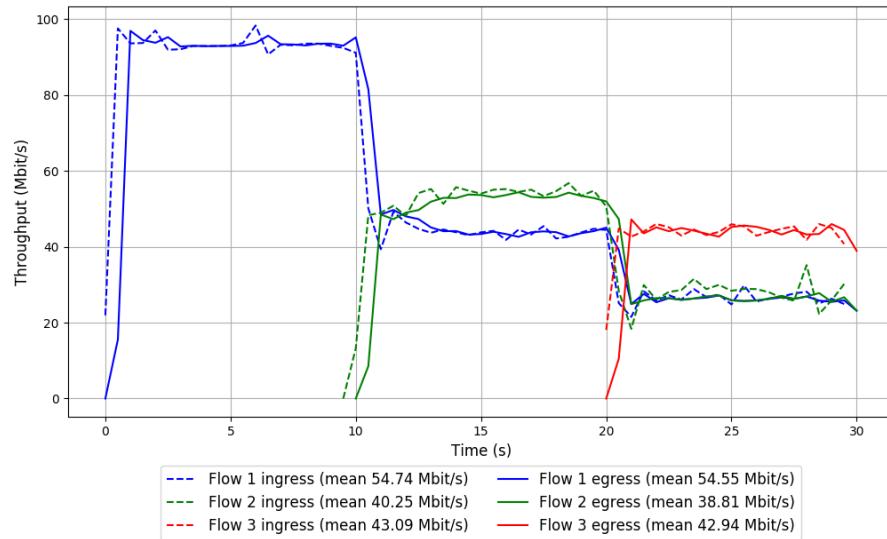


Run 5: Statistics of FillP

```
Start at: 2018-11-30 17:07:01
End at: 2018-11-30 17:07:31
Local clock offset: 3.25 ms
Remote clock offset: 2.012 ms

# Below is generated by plot.py at 2018-11-30 17:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 124.564 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 120.549 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 146.214 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 42.94 Mbit/s
95th percentile per-packet one-way delay: 70.065 ms
Loss rate: 0.84%
```

Run 5: Report of FillP — Data Link

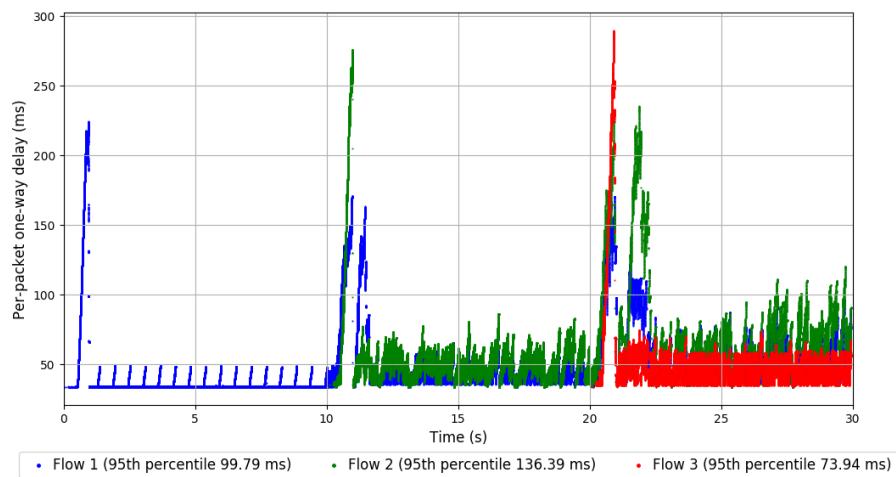
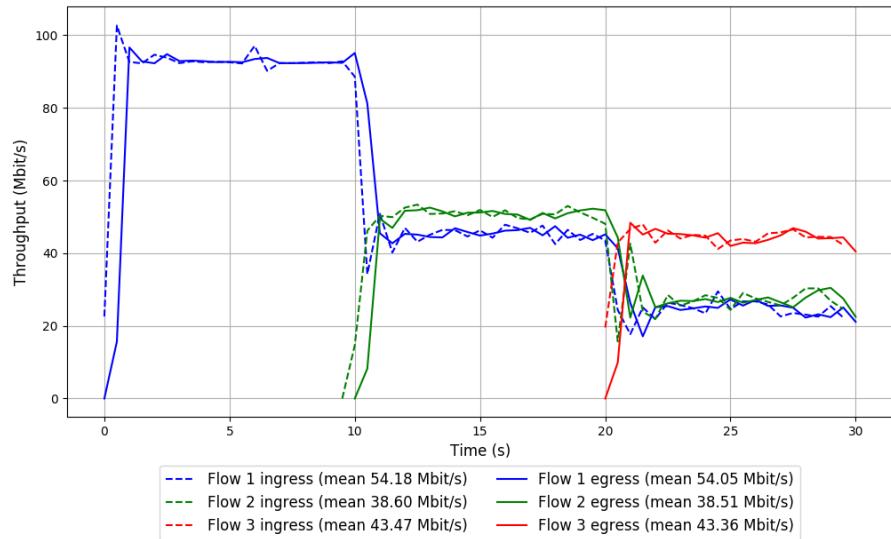


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-11-30 15:25:10
End at: 2018-11-30 15:25:40
Local clock offset: 0.634 ms
Remote clock offset: -3.71 ms

# Below is generated by plot.py at 2018-11-30 17:22:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 105.932 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: 99.789 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 136.389 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 43.36 Mbit/s
95th percentile per-packet one-way delay: 73.942 ms
Loss rate: 0.90%
```

Run 1: Report of FillP-Sheep — Data Link

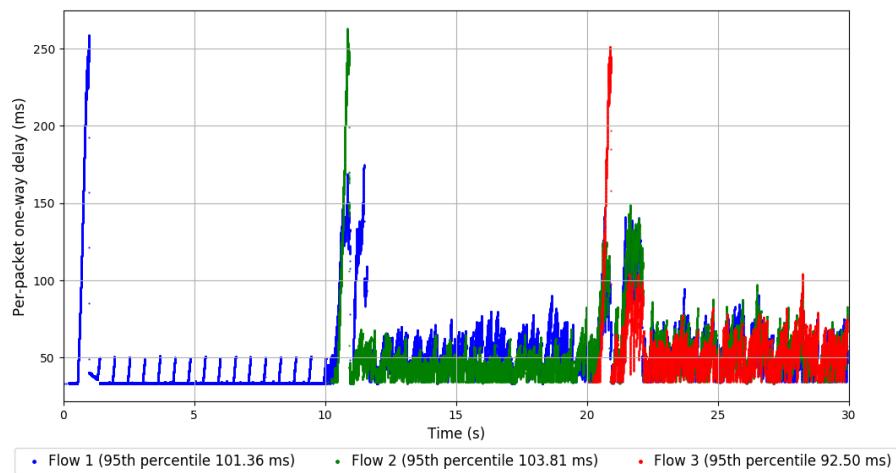
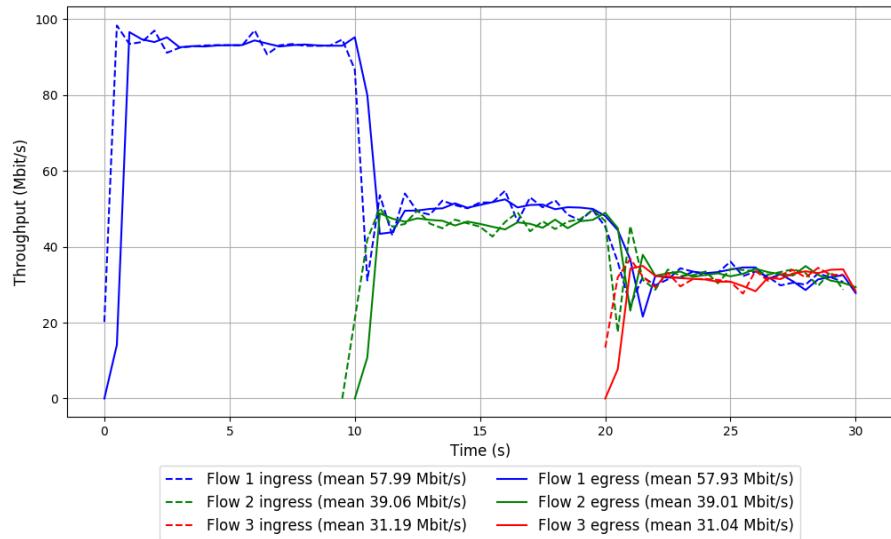


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-11-30 15:48:37
End at: 2018-11-30 15:49:07
Local clock offset: 1.677 ms
Remote clock offset: -2.58 ms

# Below is generated by plot.py at 2018-11-30 17:22:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 100.413 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 101.365 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 103.814 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 92.498 ms
Loss rate: 1.14%
```

Run 2: Report of FillP-Sheep — Data Link

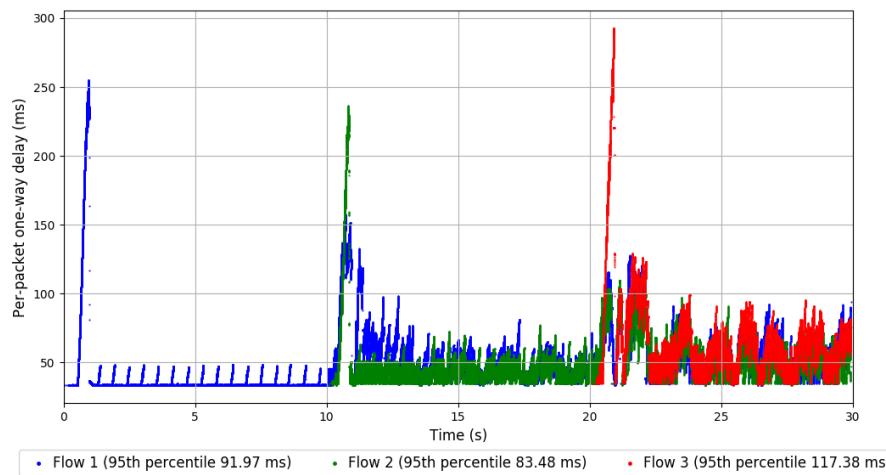
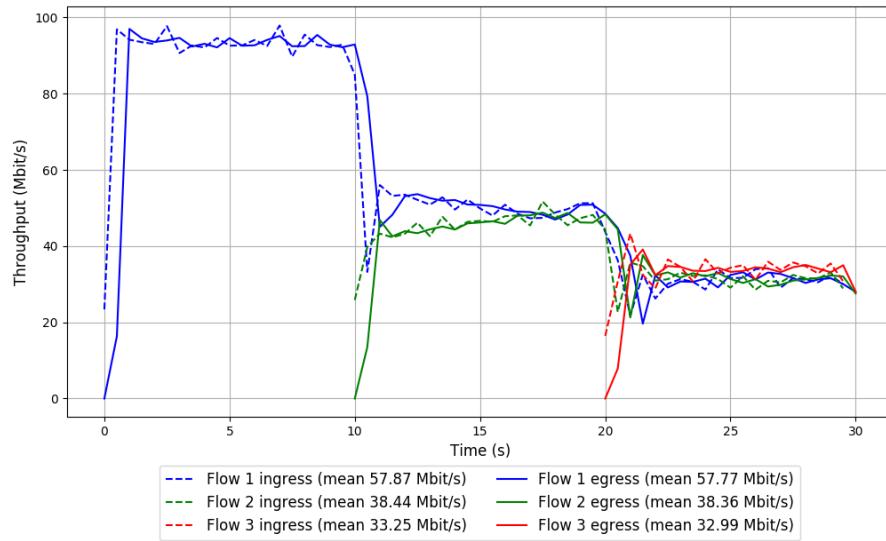


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-11-30 16:12:13
End at: 2018-11-30 16:12:43
Local clock offset: 4.155 ms
Remote clock offset: -1.766 ms

# Below is generated by plot.py at 2018-11-30 17:22:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 94.273 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 91.973 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 83.481 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 117.379 ms
Loss rate: 1.40%
```

Run 3: Report of FillP-Sheep — Data Link

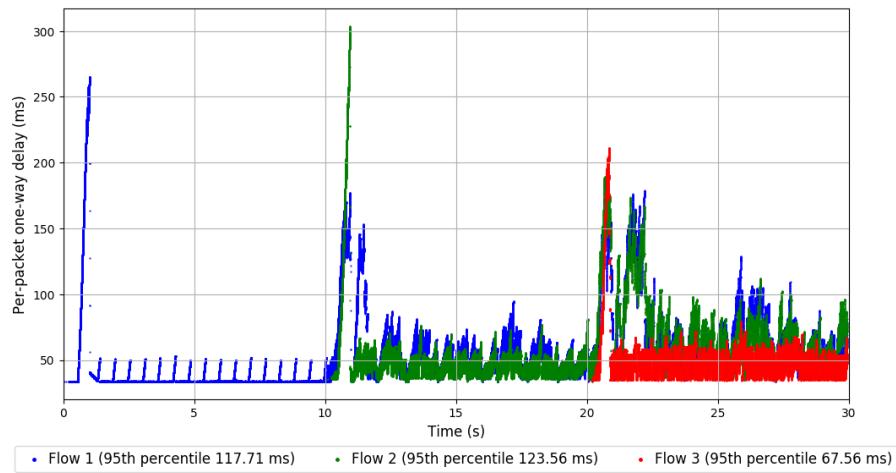
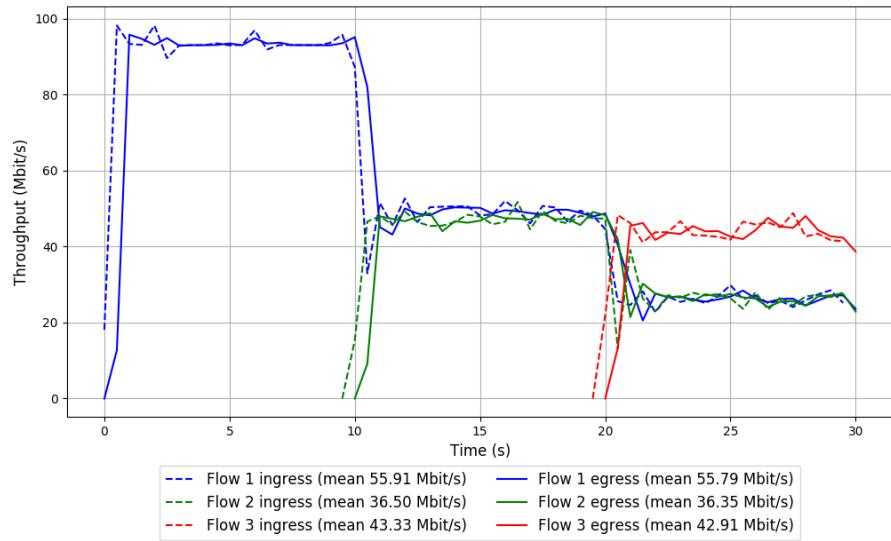


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-11-30 16:35:18
End at: 2018-11-30 16:35:48
Local clock offset: 5.125 ms
Remote clock offset: -1.1 ms

# Below is generated by plot.py at 2018-11-30 17:22:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 113.178 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 55.79 Mbit/s
95th percentile per-packet one-way delay: 117.713 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 123.557 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 67.563 ms
Loss rate: 1.61%
```

Run 4: Report of FillP-Sheep — Data Link

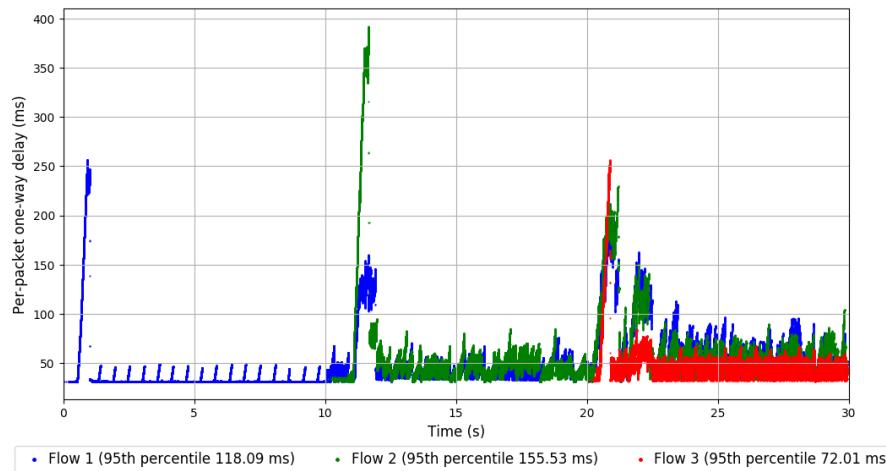
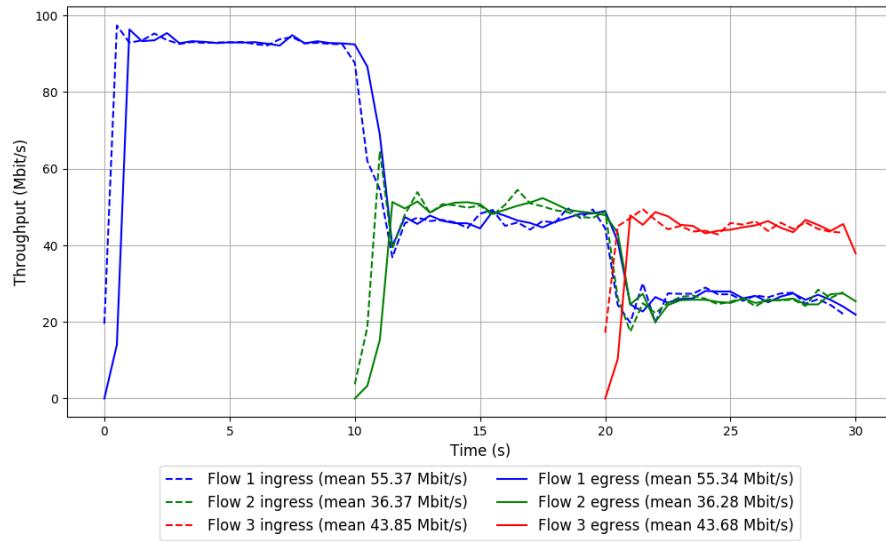


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-11-30 16:58:25
End at: 2018-11-30 16:58:55
Local clock offset: 3.608 ms
Remote clock offset: 2.014 ms

# Below is generated by plot.py at 2018-11-30 17:22:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 119.254 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 118.092 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 155.526 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 72.010 ms
Loss rate: 1.00%
```

Run 5: Report of FillP-Sheep — Data Link

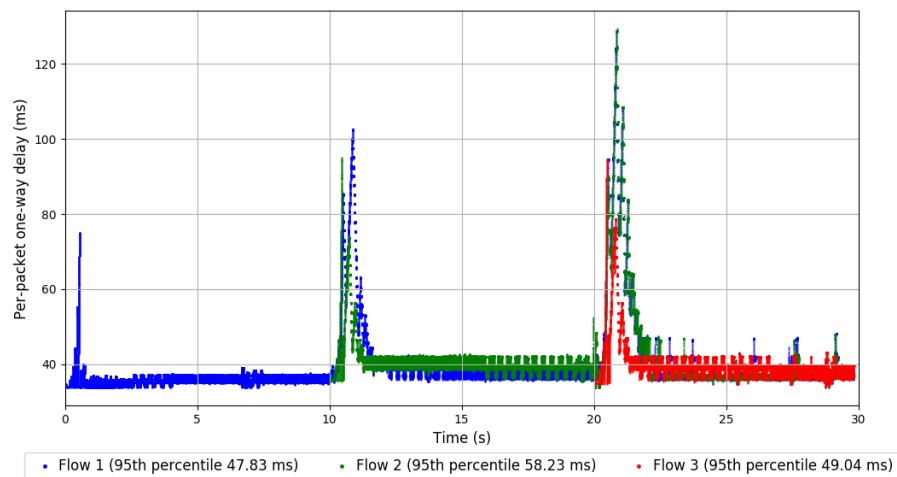
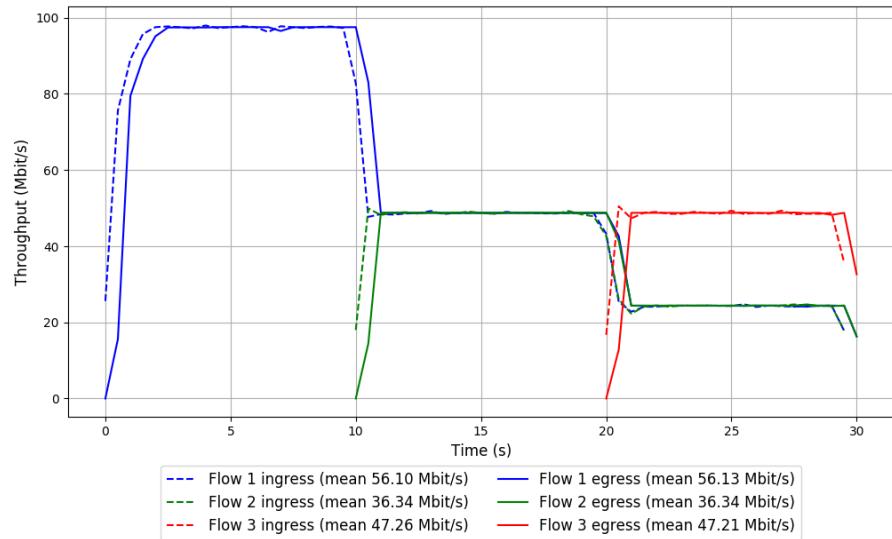


Run 1: Statistics of Indigo

```
Start at: 2018-11-30 15:35:08
End at: 2018-11-30 15:35:38
Local clock offset: 0.614 ms
Remote clock offset: -3.384 ms

# Below is generated by plot.py at 2018-11-30 17:22:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 47.834 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 58.226 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 49.044 ms
Loss rate: 0.77%
```

Run 1: Report of Indigo — Data Link

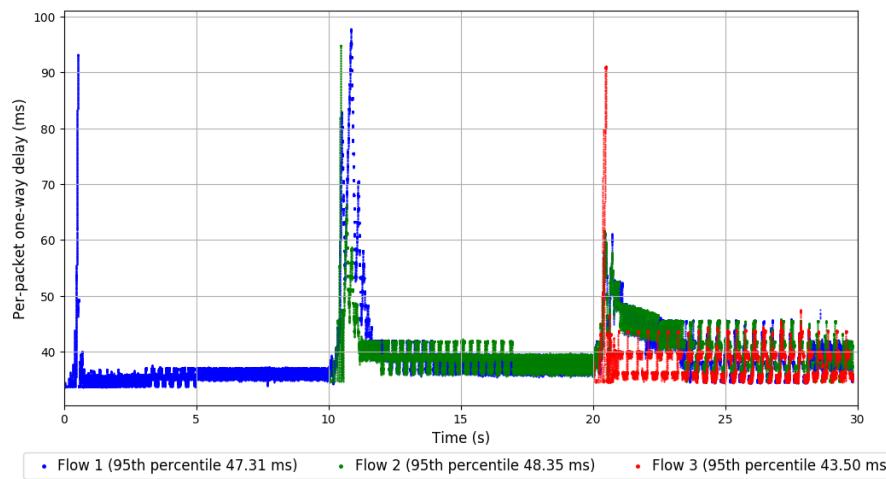
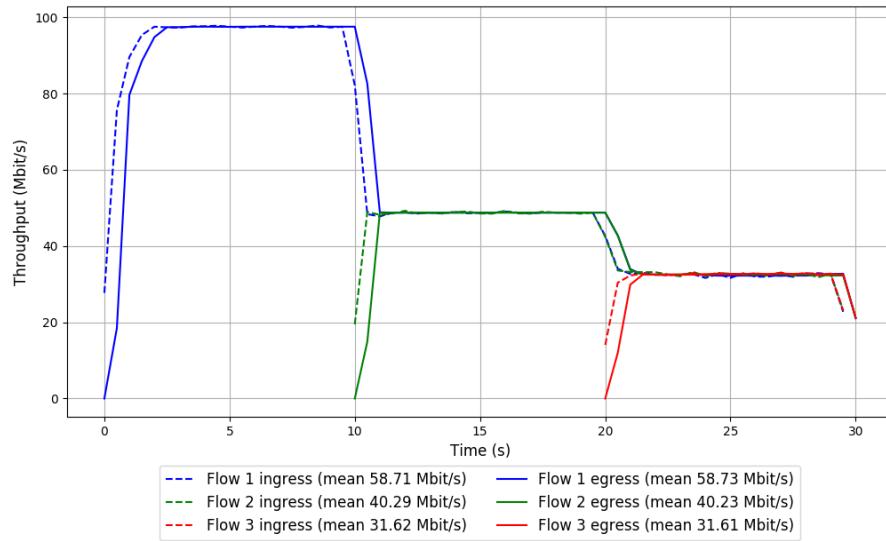


Run 2: Statistics of Indigo

```
Start at: 2018-11-30 15:58:42
End at: 2018-11-30 15:59:12
Local clock offset: 3.232 ms
Remote clock offset: -2.306 ms

# Below is generated by plot.py at 2018-11-30 17:22:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 47.360 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 47.309 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 48.346 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 43.503 ms
Loss rate: 0.71%
```

Run 2: Report of Indigo — Data Link

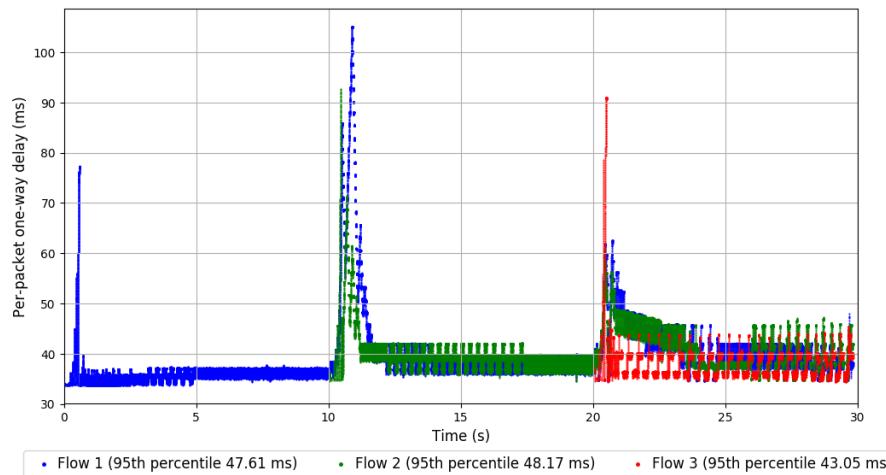
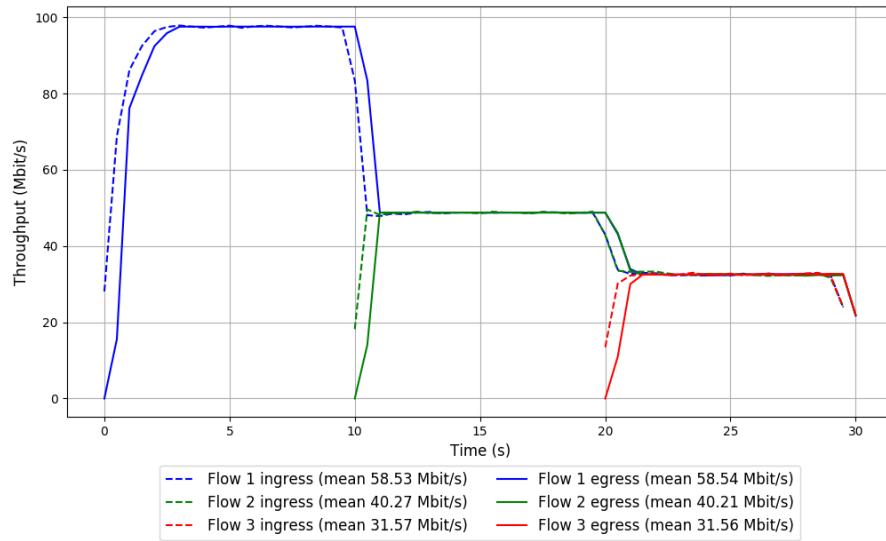


Run 3: Statistics of Indigo

```
Start at: 2018-11-30 16:22:01
End at: 2018-11-30 16:22:31
Local clock offset: 4.605 ms
Remote clock offset: -1.448 ms

# Below is generated by plot.py at 2018-11-30 17:23:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 47.381 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 47.612 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 48.168 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 43.054 ms
Loss rate: 0.71%
```

Run 3: Report of Indigo — Data Link

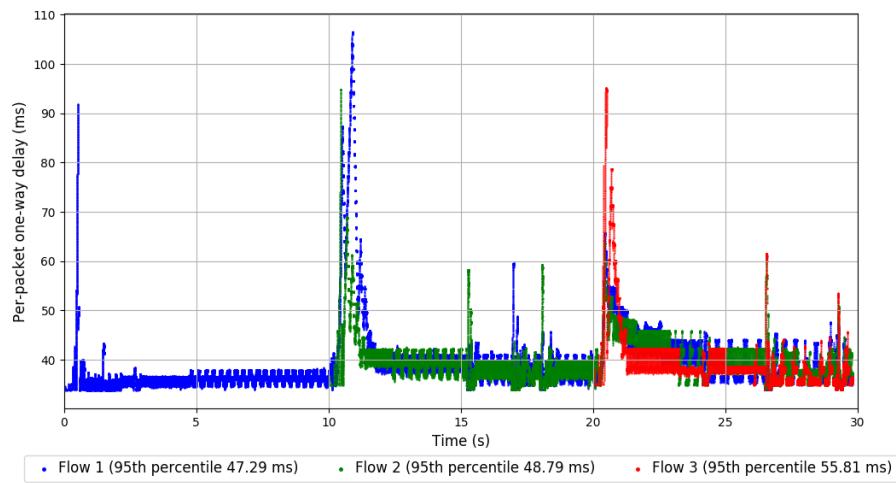
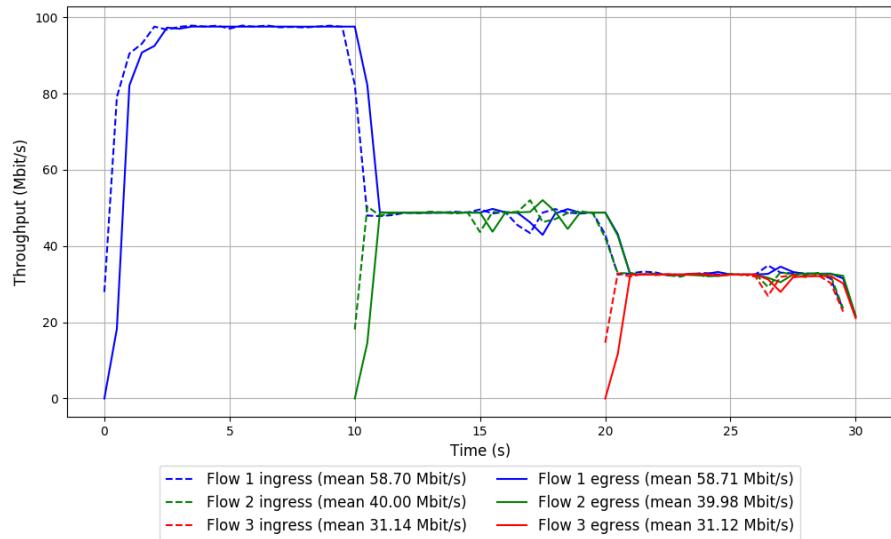


Run 4: Statistics of Indigo

```
Start at: 2018-11-30 16:45:05
End at: 2018-11-30 16:45:35
Local clock offset: 5.416 ms
Remote clock offset: -0.726 ms

# Below is generated by plot.py at 2018-11-30 17:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 48.774 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 47.293 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 48.789 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 55.812 ms
Loss rate: 0.75%
```

Run 4: Report of Indigo — Data Link

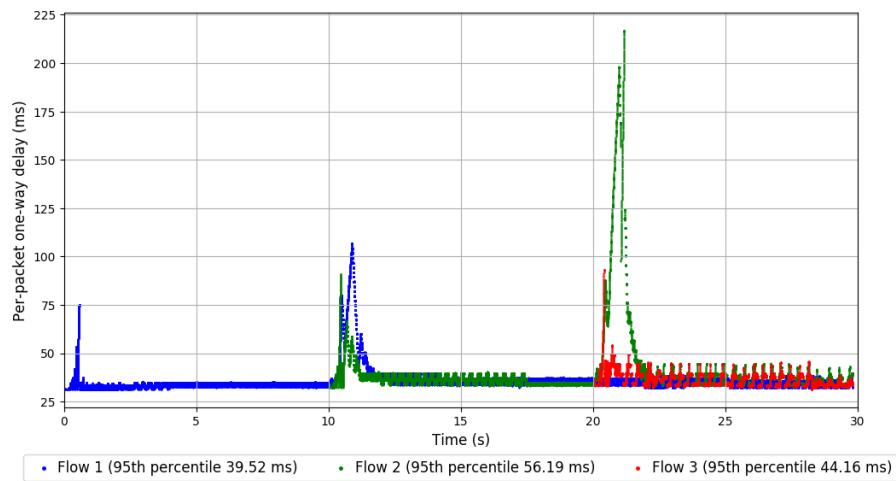
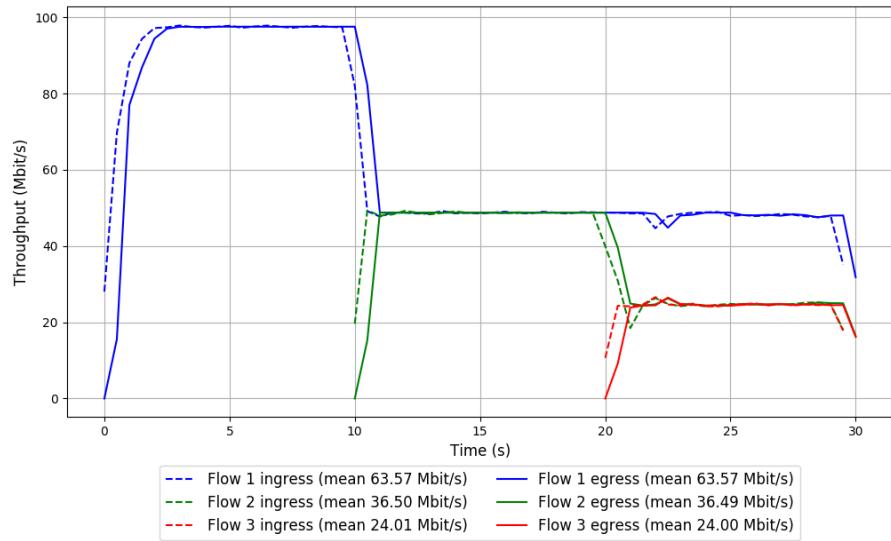


Run 5: Statistics of Indigo

```
Start at: 2018-11-30 17:08:14
End at: 2018-11-30 17:08:44
Local clock offset: 3.228 ms
Remote clock offset: 2.228 ms

# Below is generated by plot.py at 2018-11-30 17:23:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 43.800 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 39.517 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 56.188 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 44.164 ms
Loss rate: 0.75%
```

Run 5: Report of Indigo — Data Link

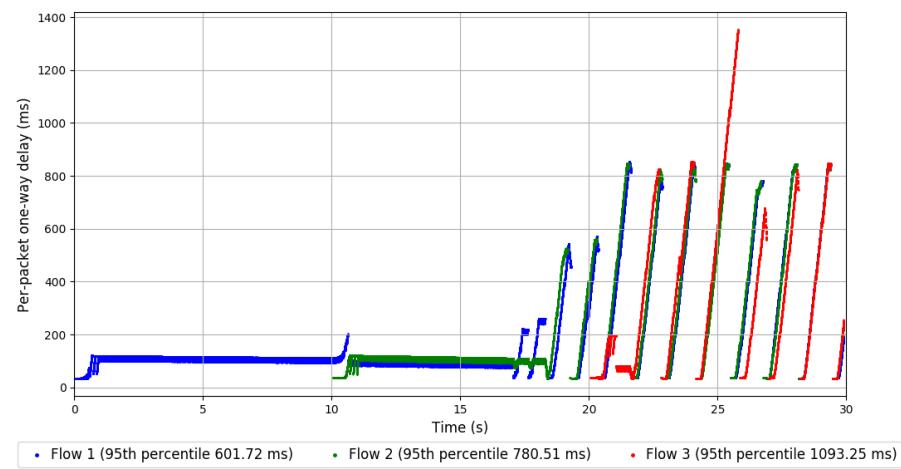
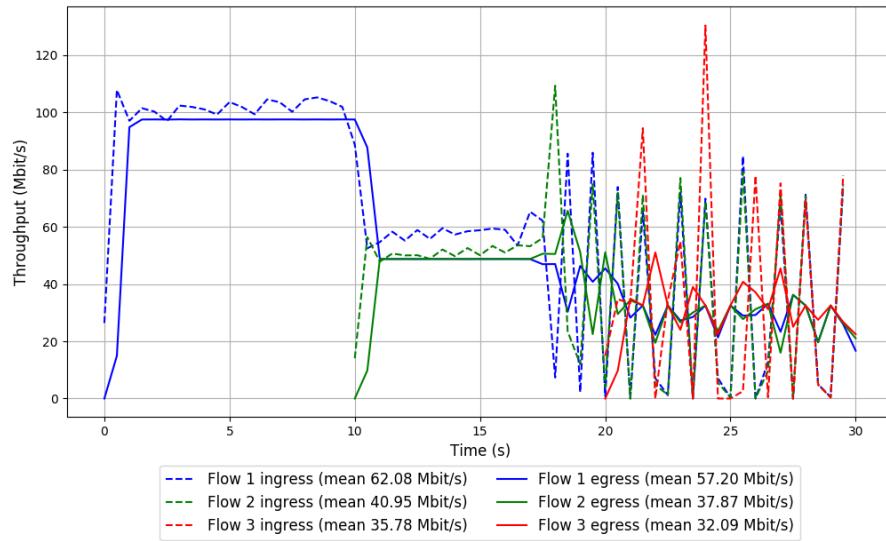


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-11-30 15:26:23
End at: 2018-11-30 15:26:53
Local clock offset: 0.639 ms
Remote clock offset: -3.583 ms

# Below is generated by plot.py at 2018-11-30 17:23:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 766.236 ms
Loss rate: 8.09%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 601.718 ms
Loss rate: 7.96%
-- Flow 2:
Average throughput: 37.87 Mbit/s
95th percentile per-packet one-way delay: 780.506 ms
Loss rate: 7.42%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 1093.252 ms
Loss rate: 10.33%
```

Run 1: Report of Indigo-96d2da3 — Data Link

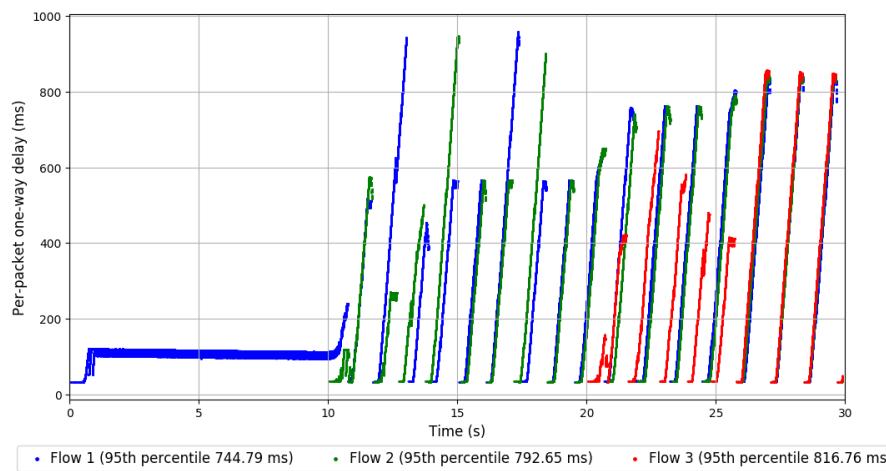
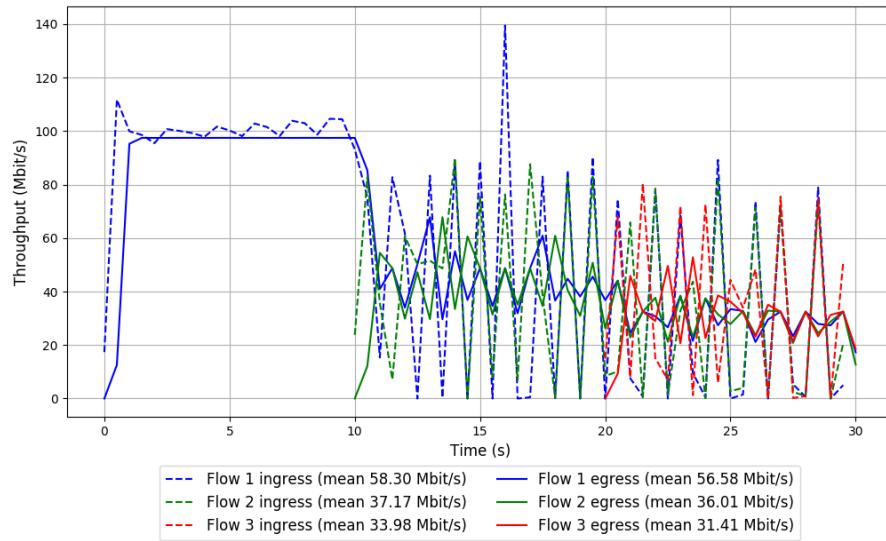


Run 2: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 15:49:50
End at: 2018-11-30 15:50:20
Local clock offset: 1.957 ms
Remote clock offset: -2.672 ms

# Below is generated by plot.py at 2018-11-30 17:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 761.203 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 744.795 ms
Loss rate: 3.16%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 792.652 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 816.759 ms
Loss rate: 8.04%
```

Run 2: Report of Indigo-96d2da3 — Data Link

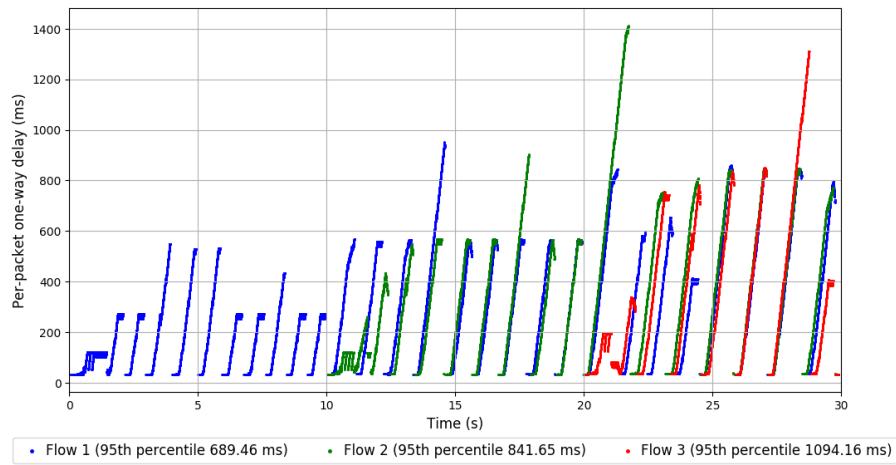
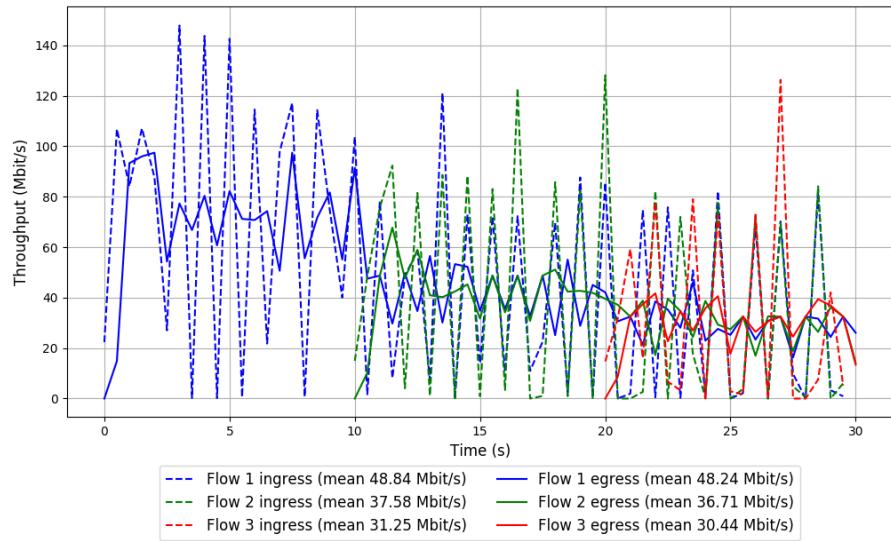


Run 3: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 16:13:26
End at: 2018-11-30 16:13:56
Local clock offset: 4.228 ms
Remote clock offset: -1.722 ms

# Below is generated by plot.py at 2018-11-30 17:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 812.249 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 689.458 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 841.652 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 1094.157 ms
Loss rate: 3.20%
```

Run 3: Report of Indigo-96d2da3 — Data Link

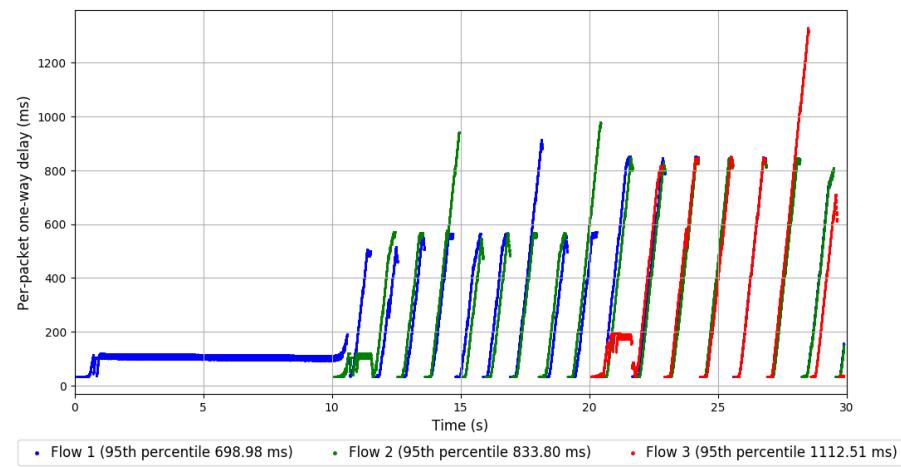
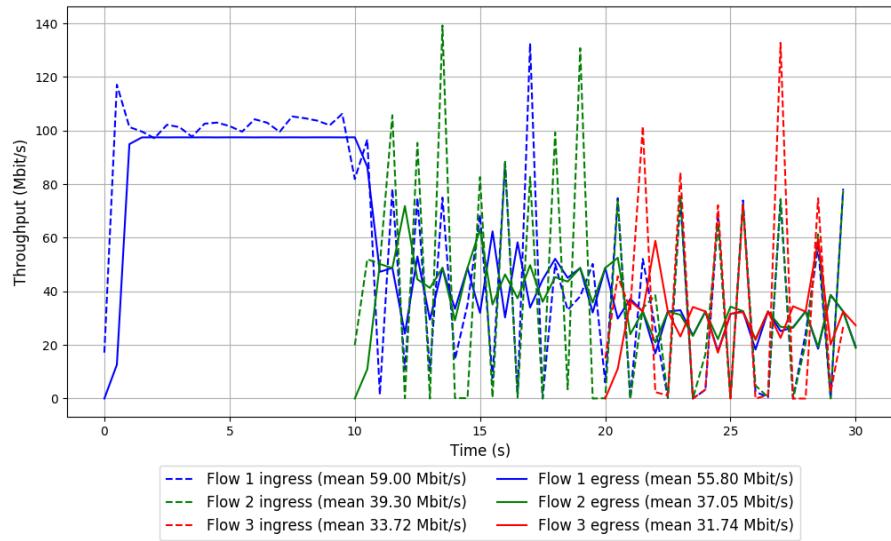


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 16:36:31
End at: 2018-11-30 16:37:01
Local clock offset: 5.151 ms
Remote clock offset: -1.005 ms

# Below is generated by plot.py at 2018-11-30 17:23:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 817.644 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 698.981 ms
Loss rate: 5.61%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 833.799 ms
Loss rate: 6.00%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 1112.512 ms
Loss rate: 6.52%
```

Run 4: Report of Indigo-96d2da3 — Data Link

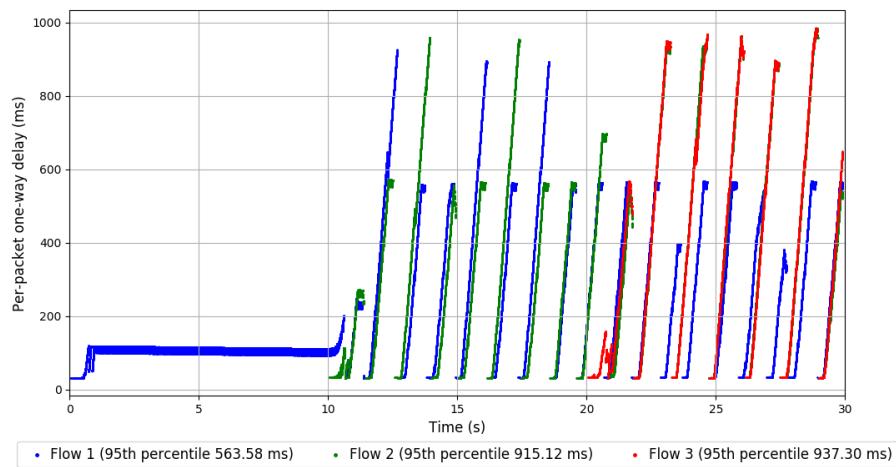
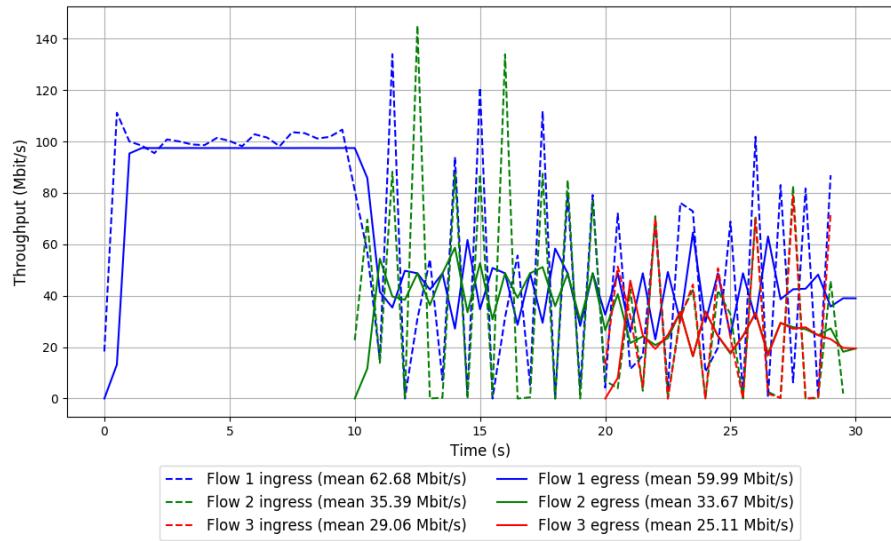


Run 5: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 16:59:37
End at: 2018-11-30 17:00:07
Local clock offset: 3.546 ms
Remote clock offset: 2.027 ms

# Below is generated by plot.py at 2018-11-30 17:24:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 816.440 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 563.581 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 915.125 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 937.301 ms
Loss rate: 9.27%
```

Run 5: Report of Indigo-96d2da3 — Data Link

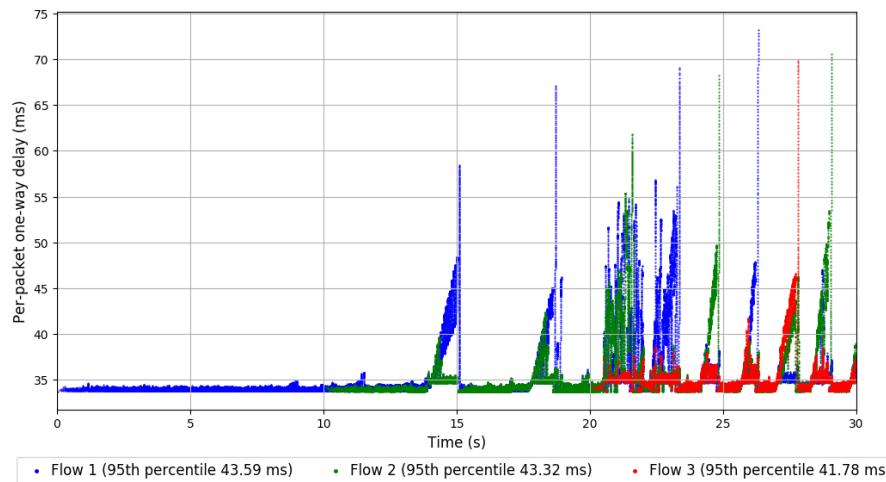
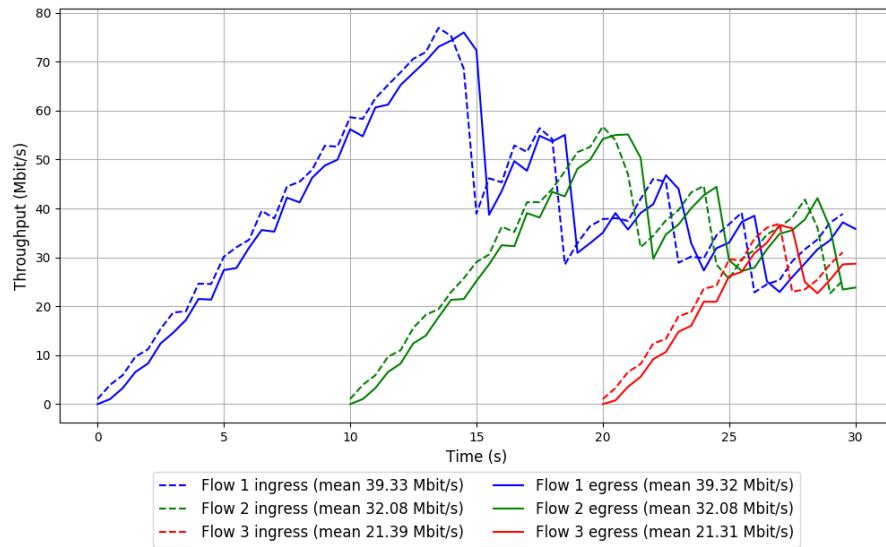


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-11-30 15:30:09
End at: 2018-11-30 15:30:39
Local clock offset: 0.621 ms
Remote clock offset: -3.594 ms

# Below is generated by plot.py at 2018-11-30 17:24:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 43.375 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 43.593 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 43.322 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 41.778 ms
Loss rate: 1.02%
```

Run 1: Report of LEDBAT — Data Link

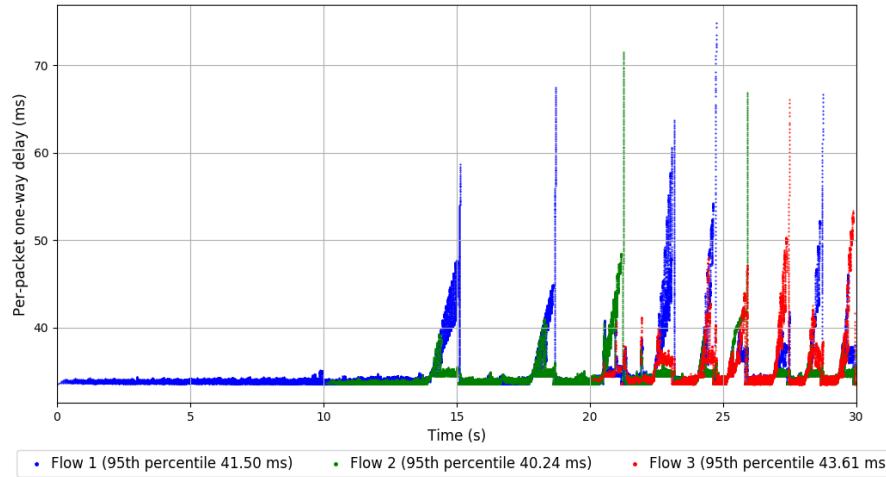
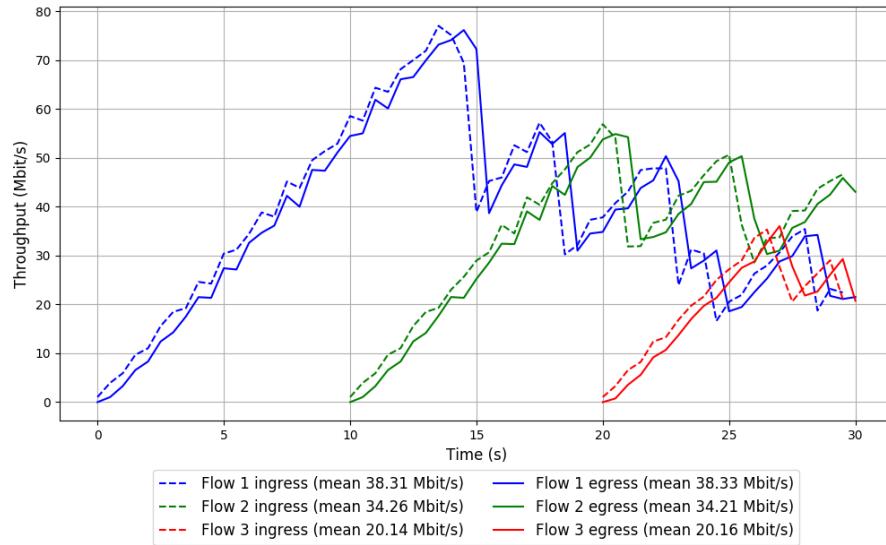


Run 2: Statistics of LEDBAT

```
Start at: 2018-11-30 15:53:31
End at: 2018-11-30 15:54:01
Local clock offset: 2.608 ms
Remote clock offset: -2.382 ms

# Below is generated by plot.py at 2018-11-30 17:24:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 41.218 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 41.498 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 40.242 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 43.610 ms
Loss rate: 0.55%
```

Run 2: Report of LEDBAT — Data Link

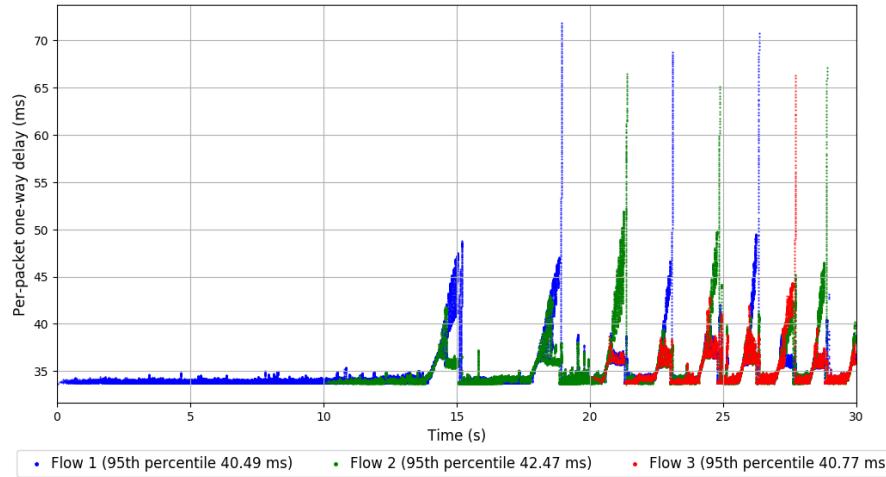
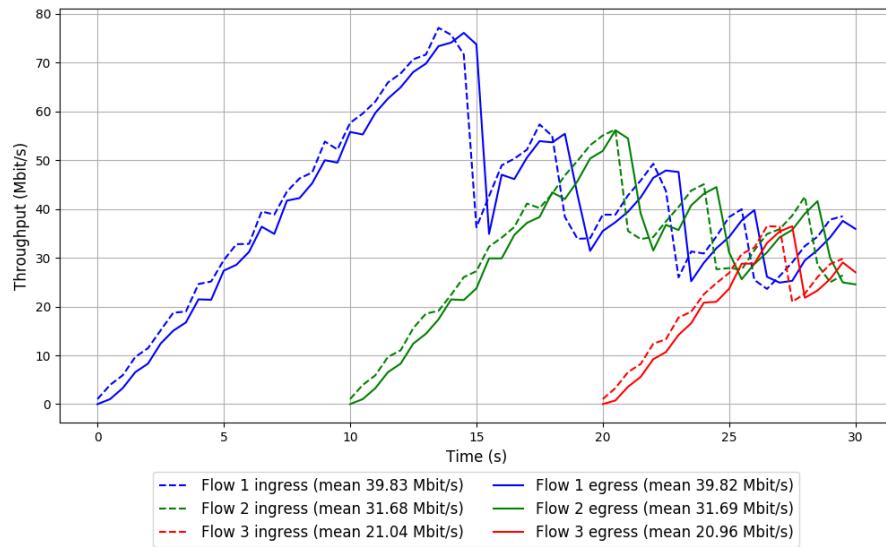


Run 3: Statistics of LEDBAT

```
Start at: 2018-11-30 16:17:04
End at: 2018-11-30 16:17:34
Local clock offset: 4.393 ms
Remote clock offset: -1.578 ms

# Below is generated by plot.py at 2018-11-30 17:24:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 41.238 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 40.495 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 42.467 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 40.766 ms
Loss rate: 1.03%
```

Run 3: Report of LEDBAT — Data Link

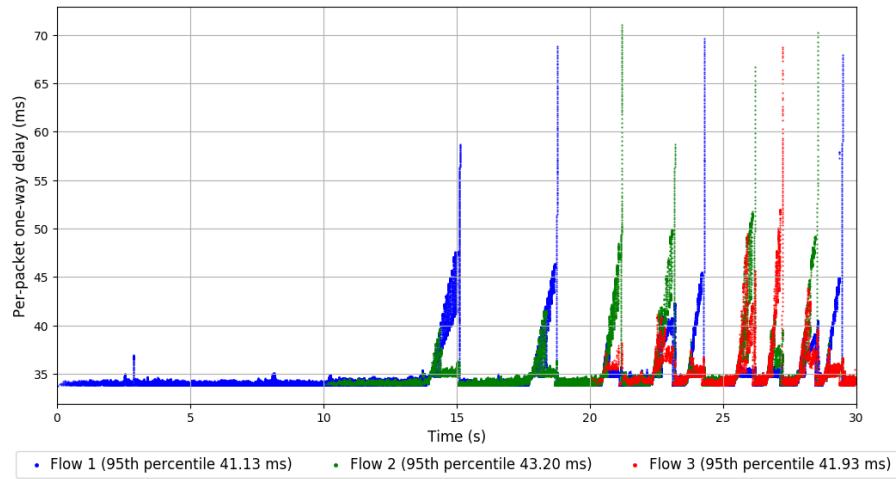
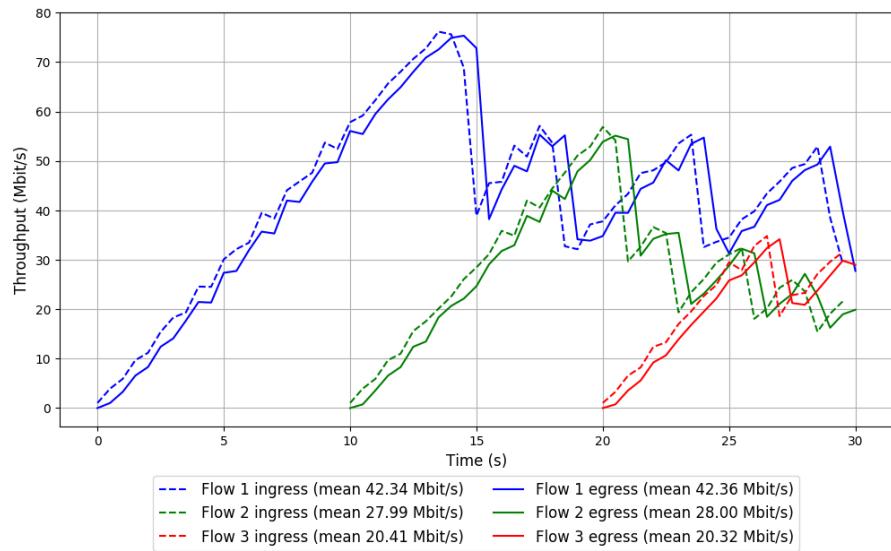


Run 4: Statistics of LEDBAT

```
Start at: 2018-11-30 16:40:08
End at: 2018-11-30 16:40:38
Local clock offset: 5.285 ms
Remote clock offset: -0.975 ms

# Below is generated by plot.py at 2018-11-30 17:24:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.71 Mbit/s
95th percentile per-packet one-way delay: 41.713 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 41.130 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 43.201 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 41.933 ms
Loss rate: 1.11%
```

Run 4: Report of LEDBAT — Data Link

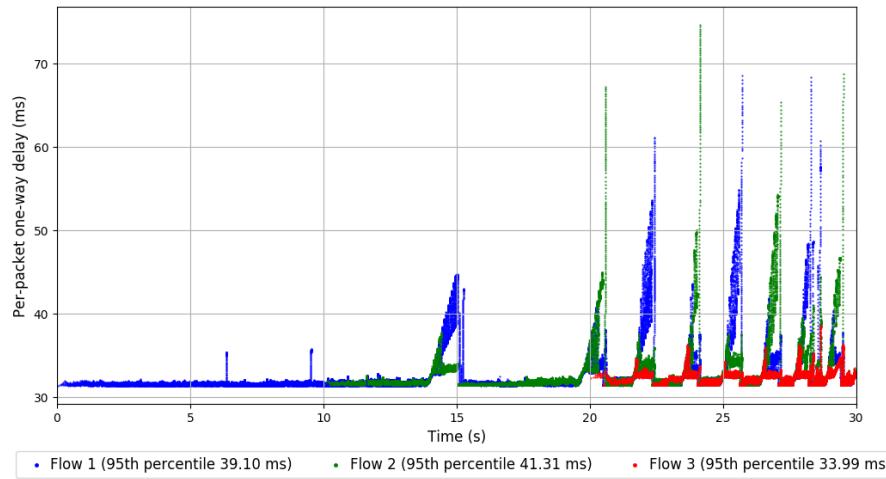
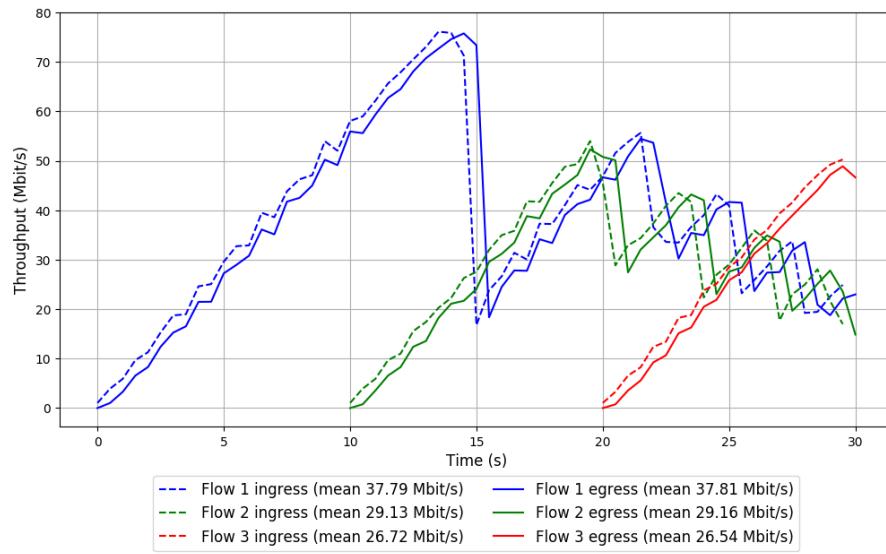


Run 5: Statistics of LEDBAT

```
Start at: 2018-11-30 17:03:15
End at: 2018-11-30 17:03:45
Local clock offset: 3.375 ms
Remote clock offset: 1.998 ms

# Below is generated by plot.py at 2018-11-30 17:24:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.98 Mbit/s
95th percentile per-packet one-way delay: 38.956 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 39.102 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 41.309 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 33.993 ms
Loss rate: 1.34%
```

Run 5: Report of LEDBAT — Data Link

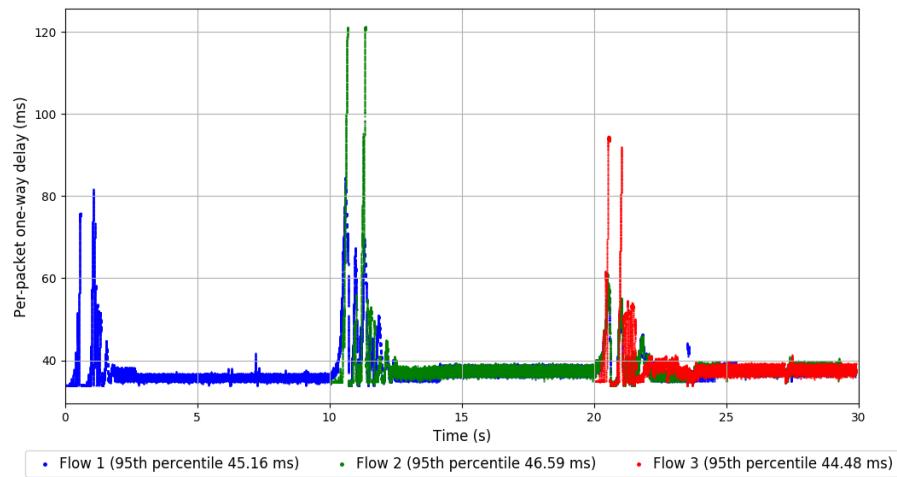
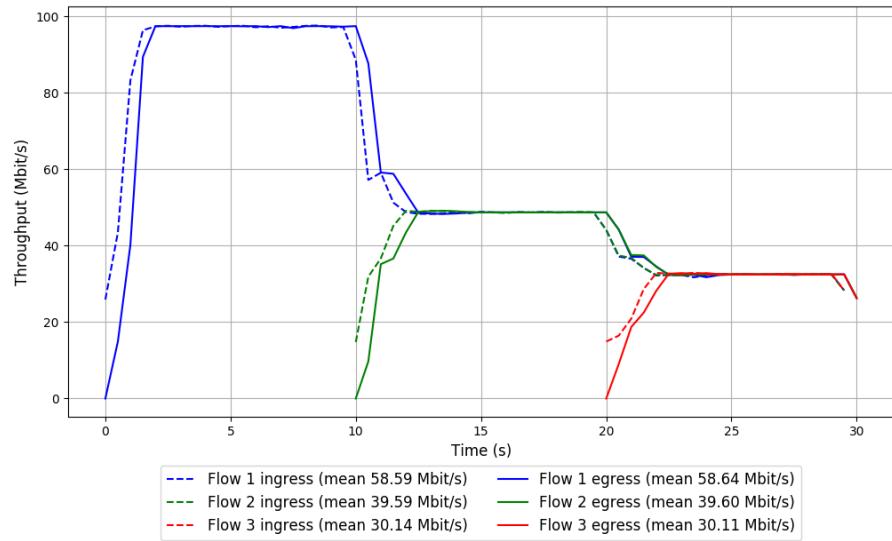


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-11-30 15:22:42
End at: 2018-11-30 15:23:12
Local clock offset: 0.674 ms
Remote clock offset: -4.025 ms

# Below is generated by plot.py at 2018-11-30 17:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 45.478 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 45.165 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 46.588 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 44.484 ms
Loss rate: 0.76%
```

Run 1: Report of Indigo-Muses — Data Link

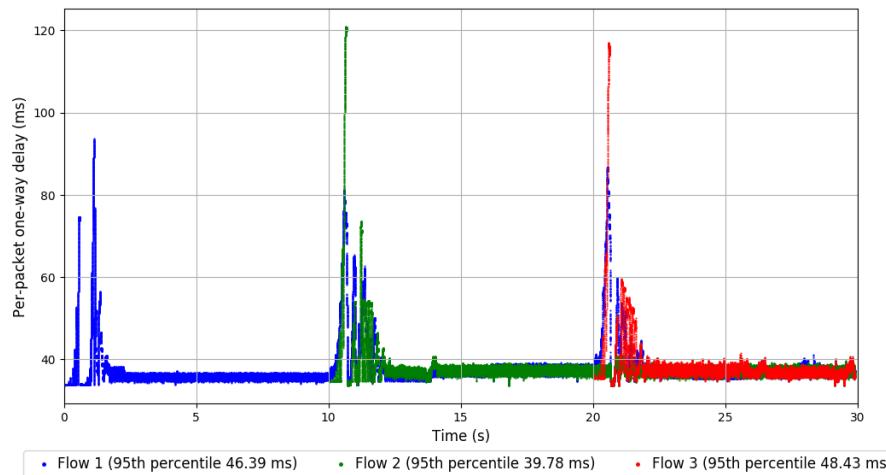
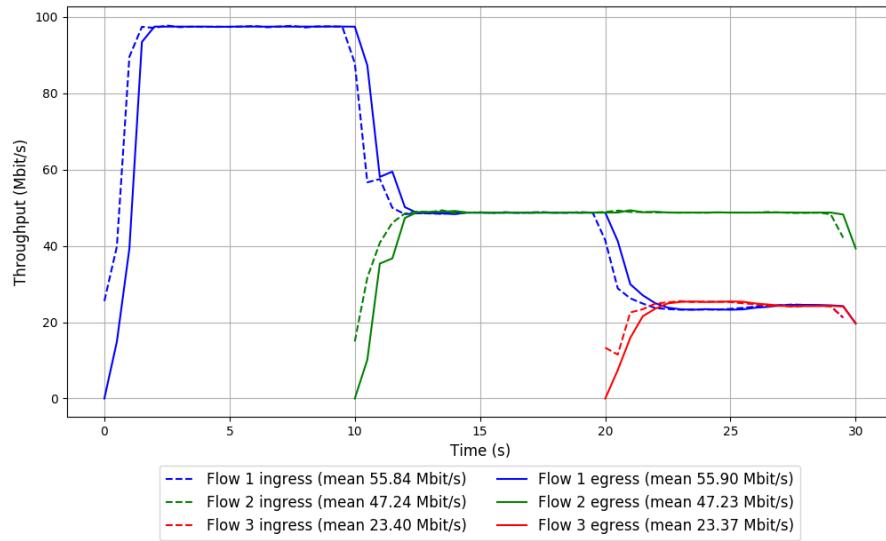


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-11-30 15:46:03
End at: 2018-11-30 15:46:33
Local clock offset: 0.949 ms
Remote clock offset: -2.986 ms

# Below is generated by plot.py at 2018-11-30 17:25:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 44.379 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 46.391 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 39.782 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 48.432 ms
Loss rate: 0.80%
```

Run 2: Report of Indigo-Muses — Data Link

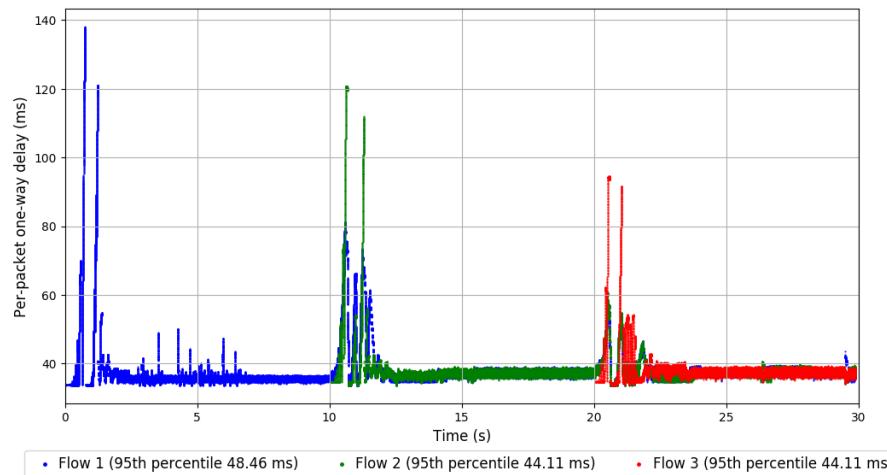
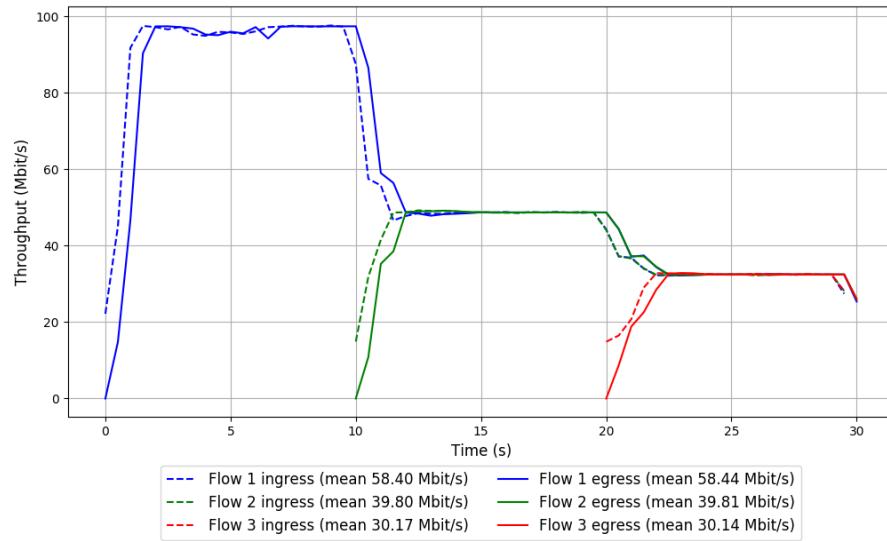


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-11-30 16:09:47
End at: 2018-11-30 16:10:17
Local clock offset: 4.032 ms
Remote clock offset: -1.835 ms

# Below is generated by plot.py at 2018-11-30 17:25:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 46.080 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 48.461 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 44.108 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 44.107 ms
Loss rate: 0.75%
```

Run 3: Report of Indigo-Muses — Data Link

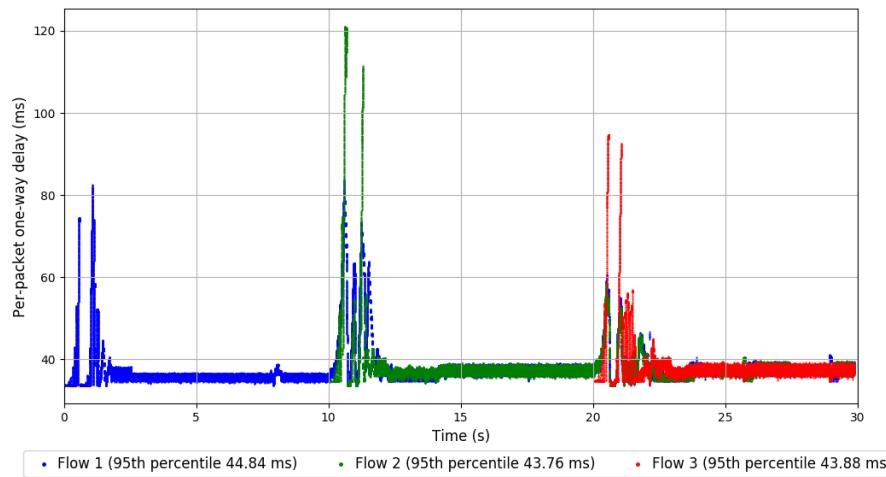
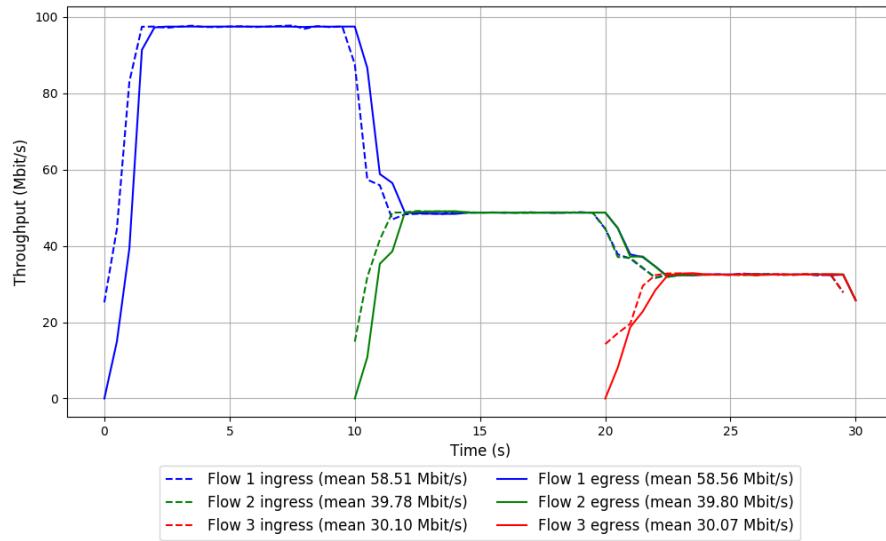


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-11-30 16:32:53
End at: 2018-11-30 16:33:23
Local clock offset: 5.016 ms
Remote clock offset: -1.045 ms

# Below is generated by plot.py at 2018-11-30 17:25:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 44.431 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 44.838 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 43.763 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 43.883 ms
Loss rate: 0.76%
```

Run 4: Report of Indigo-Muses — Data Link

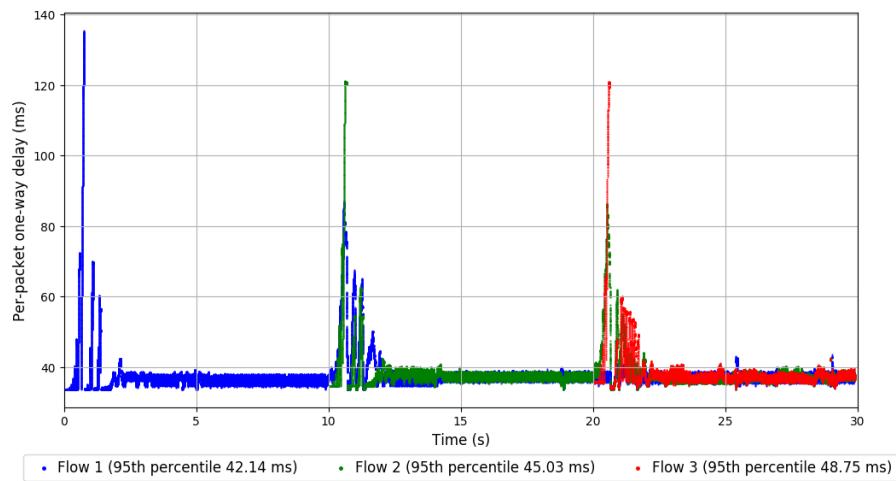
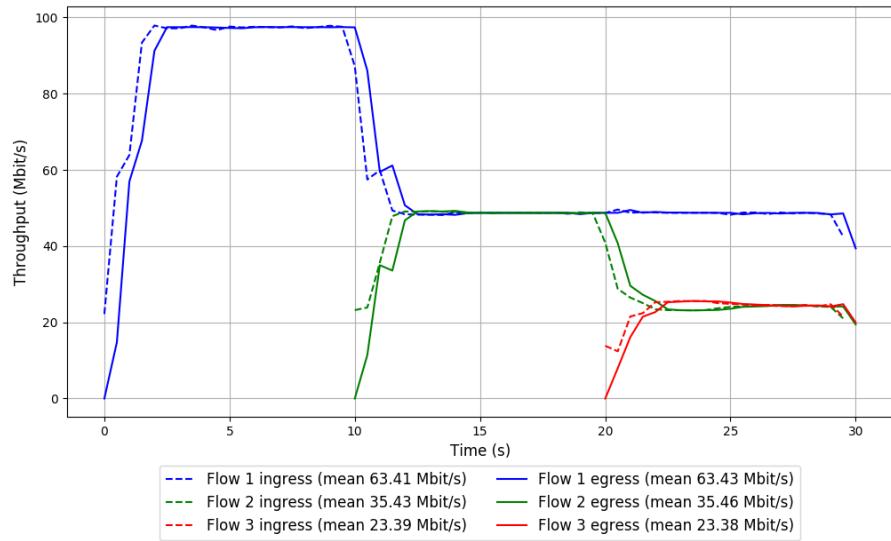


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-11-30 16:55:59
End at: 2018-11-30 16:56:29
Local clock offset: 3.763 ms
Remote clock offset: -0.428 ms

# Below is generated by plot.py at 2018-11-30 17:25:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 43.231 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 42.142 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 45.027 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 48.746 ms
Loss rate: 0.75%
```

Run 5: Report of Indigo-Muses — Data Link

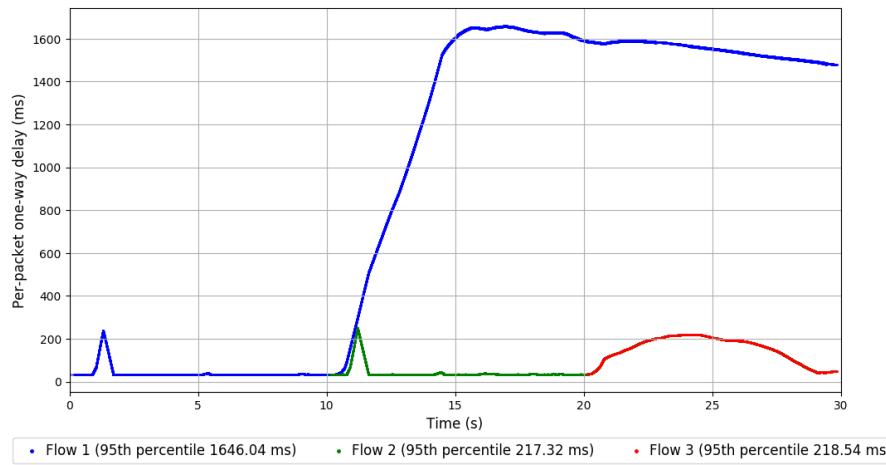
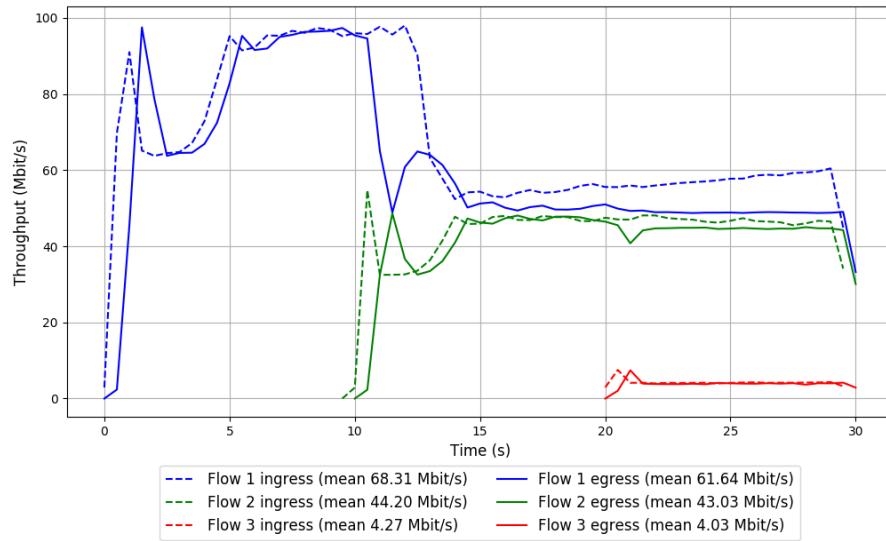


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-11-30 15:28:57
End at: 2018-11-30 15:29:27
Local clock offset: 0.635 ms
Remote clock offset: -3.664 ms

# Below is generated by plot.py at 2018-11-30 17:25:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 1632.591 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 1646.042 ms
Loss rate: 9.95%
-- Flow 2:
Average throughput: 43.03 Mbit/s
95th percentile per-packet one-way delay: 217.320 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 218.540 ms
Loss rate: 6.10%
```

Run 1: Report of PCC-Allegro — Data Link

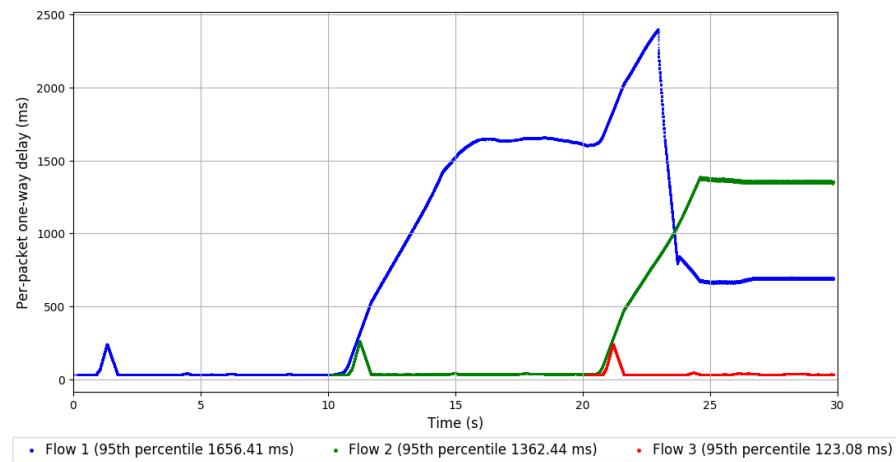
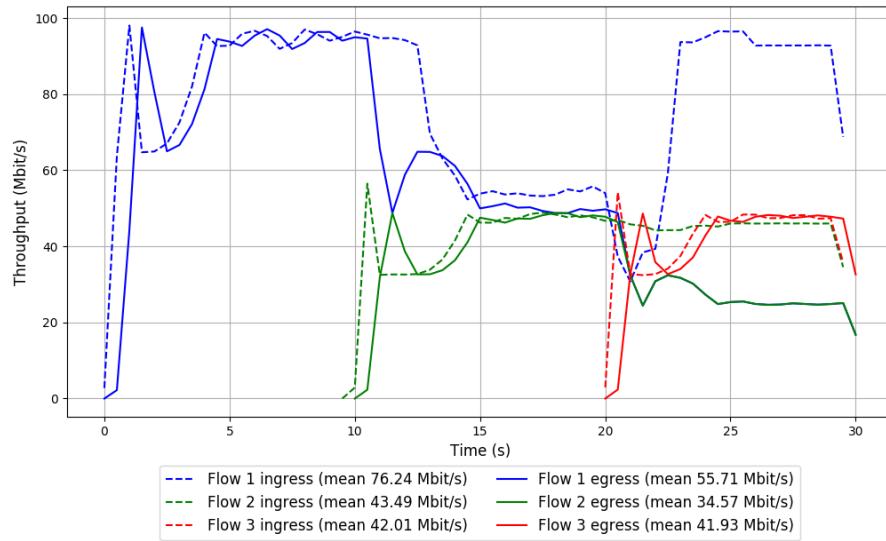


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-11-30 15:52:17
End at: 2018-11-30 15:52:47
Local clock offset: 2.418 ms
Remote clock offset: -2.571 ms

# Below is generated by plot.py at 2018-11-30 17:25:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 1651.357 ms
Loss rate: 22.49%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 1656.413 ms
Loss rate: 27.08%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 1362.437 ms
Loss rate: 20.78%
-- Flow 3:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 123.076 ms
Loss rate: 0.85%
```

Run 2: Report of PCC-Allegro — Data Link

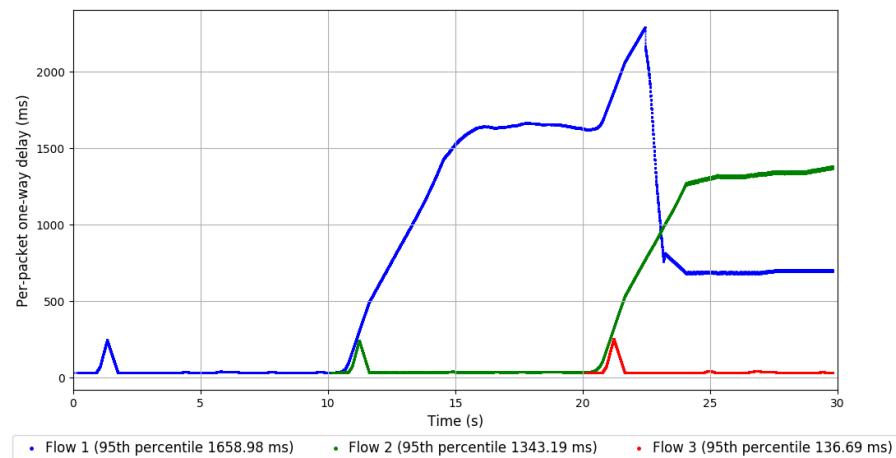
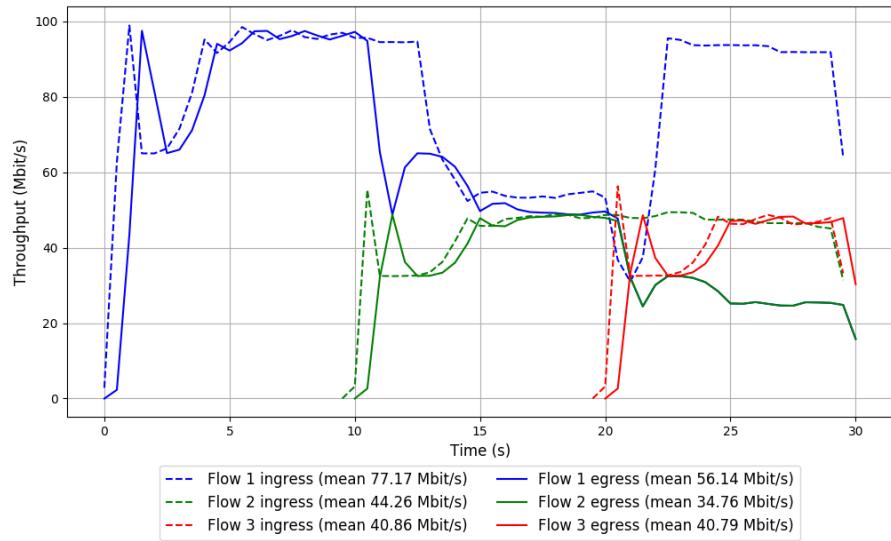


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-11-30 16:15:52
End at: 2018-11-30 16:16:22
Local clock offset: 4.349 ms
Remote clock offset: -1.663 ms

# Below is generated by plot.py at 2018-11-30 17:25:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 1651.195 ms
Loss rate: 23.03%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 1658.984 ms
Loss rate: 27.41%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 1343.194 ms
Loss rate: 21.71%
-- Flow 3:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 136.688 ms
Loss rate: 0.85%
```

Run 3: Report of PCC-Allegro — Data Link

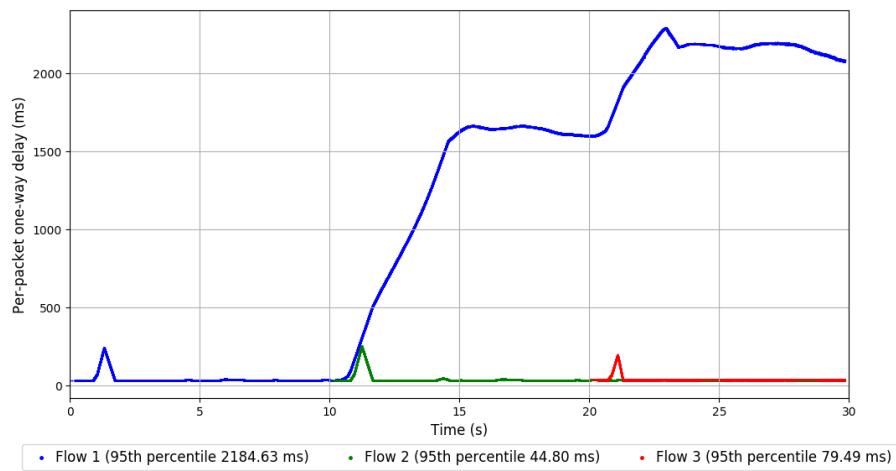
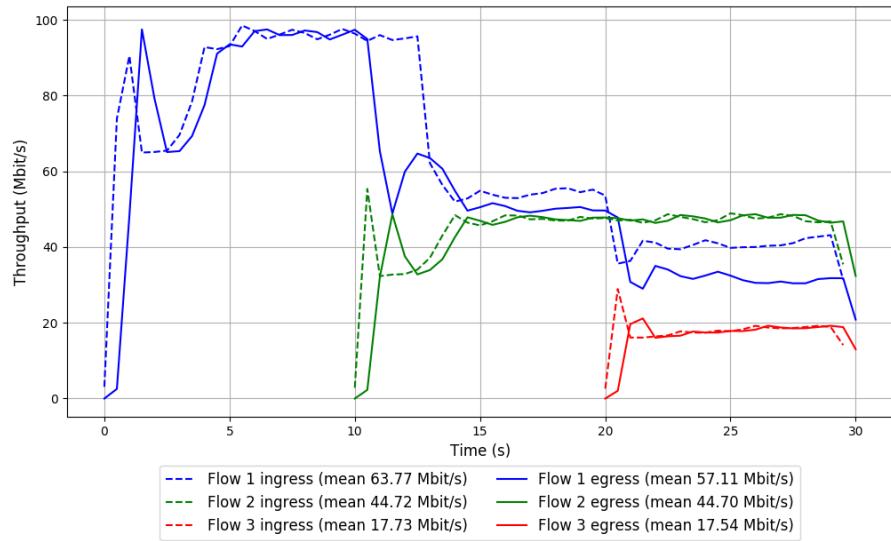


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-11-30 16:38:56
End at: 2018-11-30 16:39:26
Local clock offset: 5.24 ms
Remote clock offset: -1.006 ms

# Below is generated by plot.py at 2018-11-30 17:26:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 2172.106 ms
Loss rate: 7.04%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 2184.631 ms
Loss rate: 10.63%
-- Flow 2:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 44.797 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 17.54 Mbit/s
95th percentile per-packet one-way delay: 79.493 ms
Loss rate: 1.76%
```

Run 4: Report of PCC-Allegro — Data Link

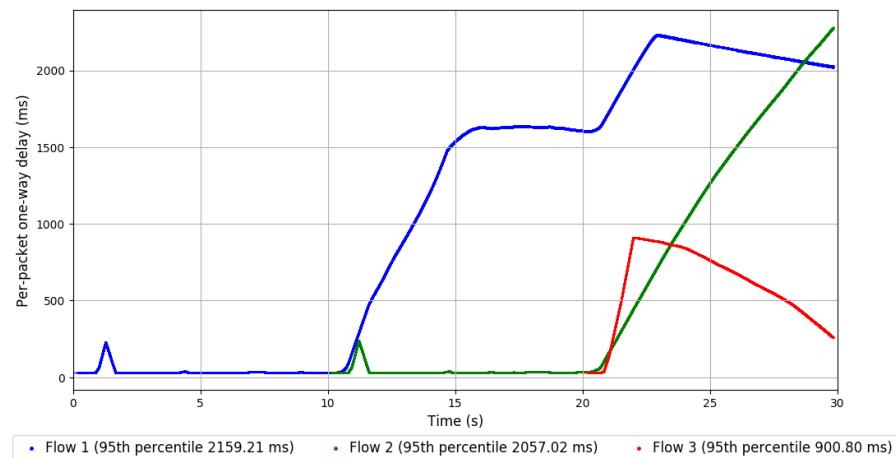
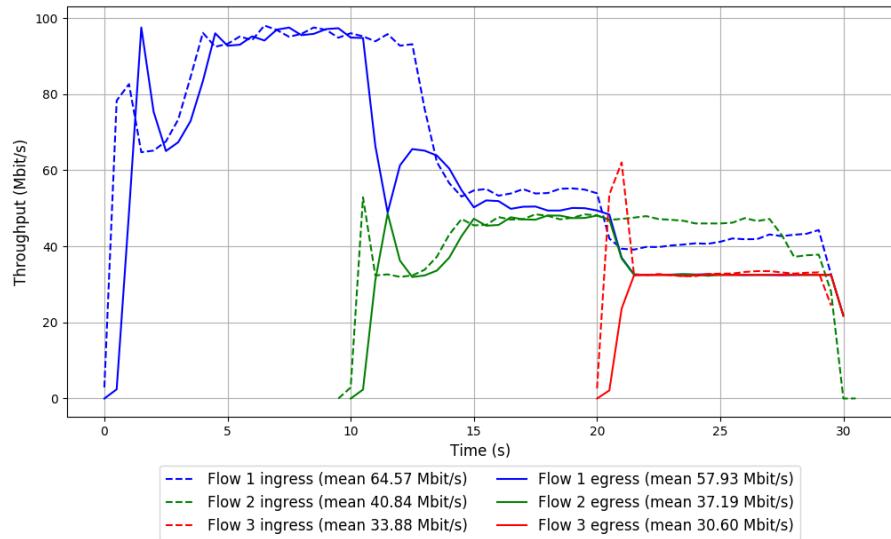


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-11-30 17:02:03
End at: 2018-11-30 17:02:33
Local clock offset: 3.425 ms
Remote clock offset: 2.081 ms

# Below is generated by plot.py at 2018-11-30 17:26:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 2135.877 ms
Loss rate: 11.33%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 2159.210 ms
Loss rate: 10.47%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 2057.024 ms
Loss rate: 13.68%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 900.799 ms
Loss rate: 10.25%
```

Run 5: Report of PCC-Allegro — Data Link

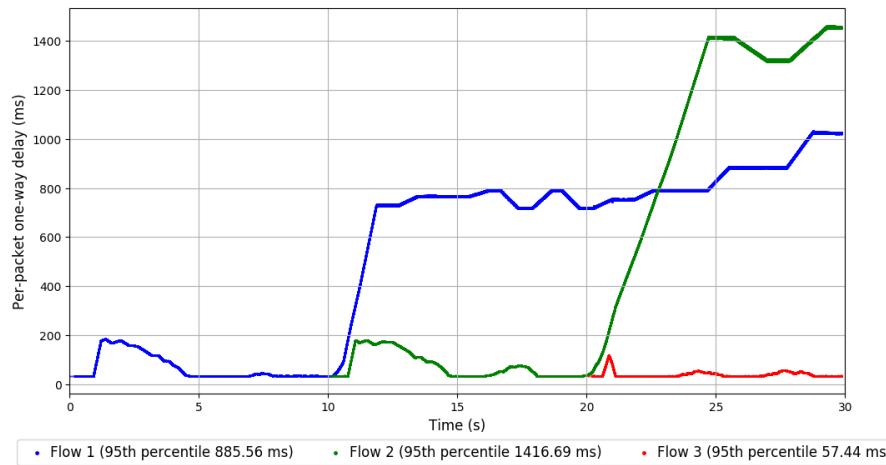
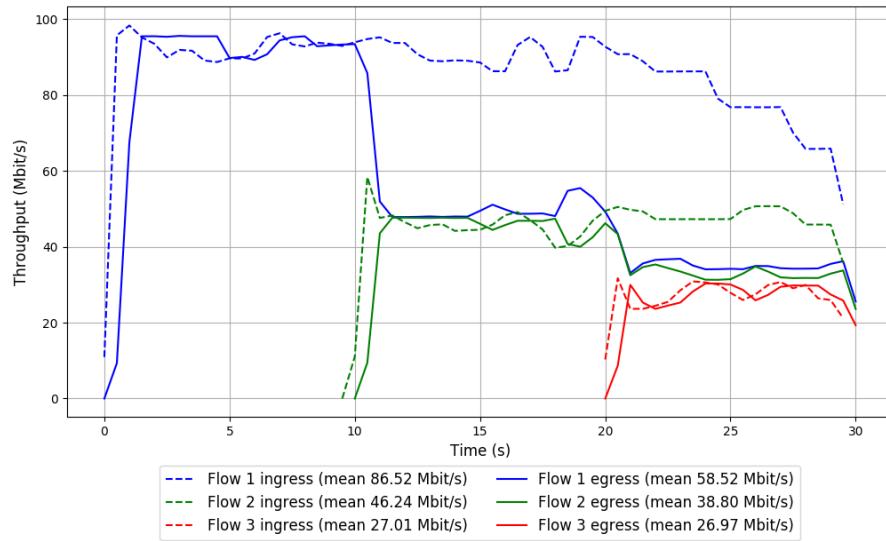


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-11-30 15:19:59
End at: 2018-11-30 15:20:29
Local clock offset: 0.703 ms
Remote clock offset: -3.817 ms

# Below is generated by plot.py at 2018-11-30 17:27:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 1326.861 ms
Loss rate: 26.33%
-- Flow 1:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 885.558 ms
Loss rate: 32.51%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 1416.691 ms
Loss rate: 16.35%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 57.441 ms
Loss rate: 0.80%
```

Run 1: Report of PCC-Expr — Data Link

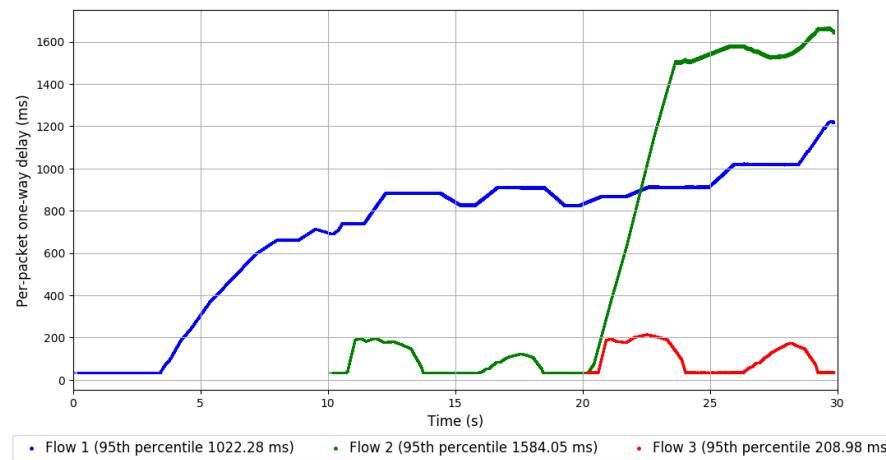
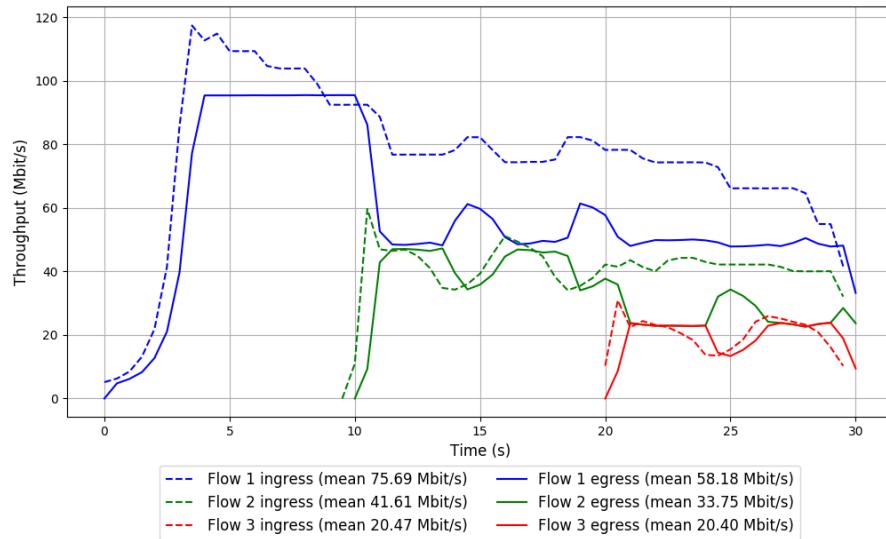


Run 2: Statistics of PCC-Expr

```
Start at: 2018-11-30 15:43:31
End at: 2018-11-30 15:44:01
Local clock offset: 0.607 ms
Remote clock offset: -3.072 ms

# Below is generated by plot.py at 2018-11-30 17:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 1528.014 ms
Loss rate: 20.90%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 1022.285 ms
Loss rate: 23.31%
-- Flow 2:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 1584.047 ms
Loss rate: 19.16%
-- Flow 3:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 208.983 ms
Loss rate: 1.07%
```

Run 2: Report of PCC-Expr — Data Link

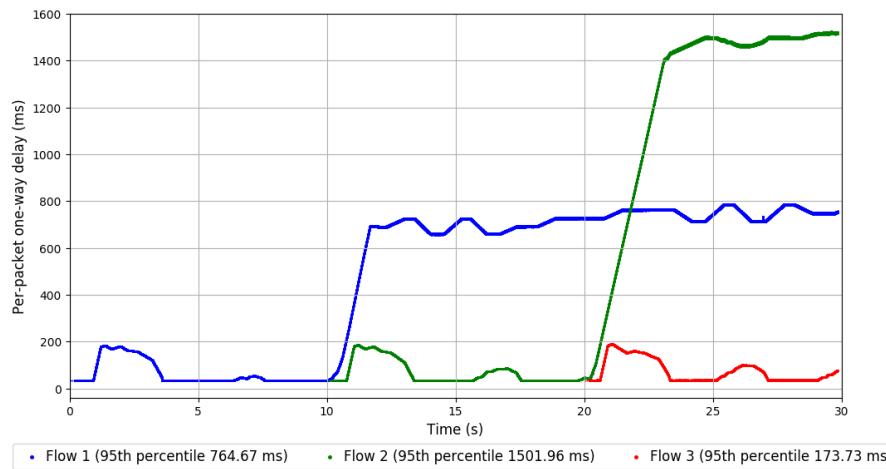
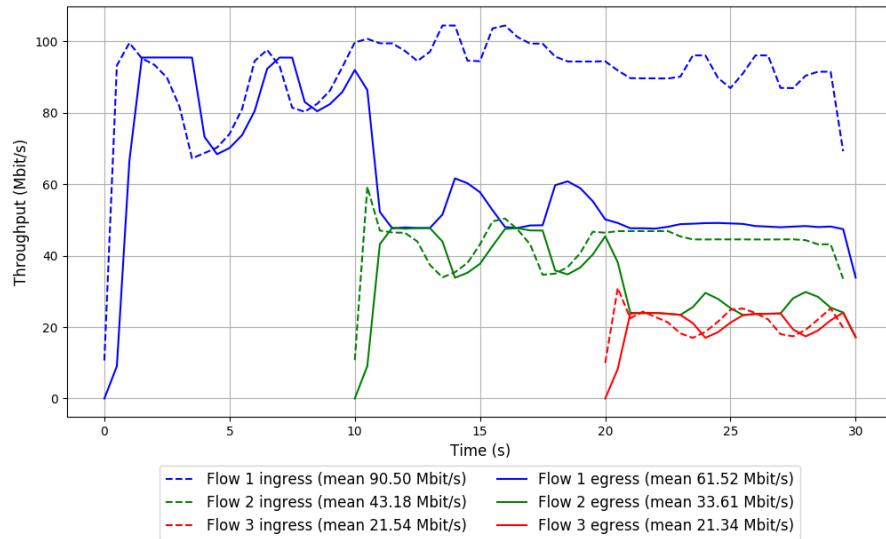


Run 3: Statistics of PCC-Expr

```
Start at: 2018-11-30 16:07:16
End at: 2018-11-30 16:07:46
Local clock offset: 3.883 ms
Remote clock offset: -1.878 ms

# Below is generated by plot.py at 2018-11-30 17:27:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 1466.200 ms
Loss rate: 28.24%
-- Flow 1:
Average throughput: 61.52 Mbit/s
95th percentile per-packet one-way delay: 764.666 ms
Loss rate: 32.17%
-- Flow 2:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 1501.964 ms
Loss rate: 22.43%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 173.729 ms
Loss rate: 1.63%
```

Run 3: Report of PCC-Expr — Data Link

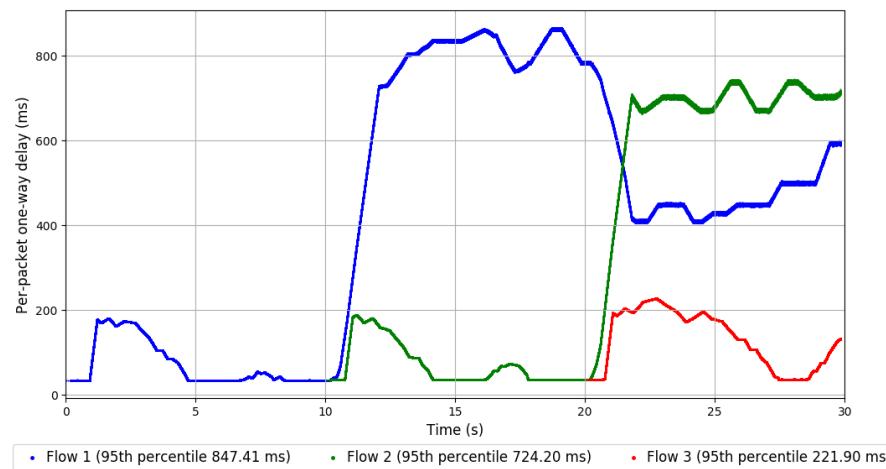
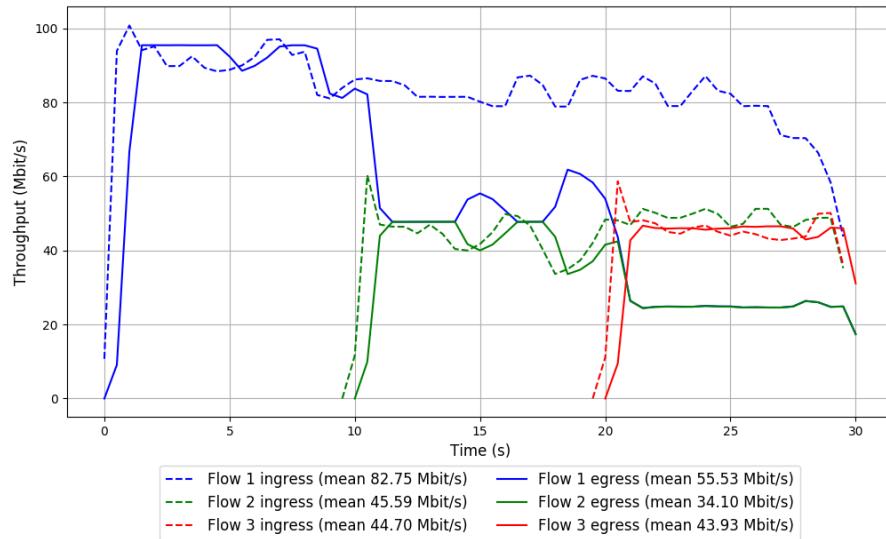


Run 4: Statistics of PCC-Expr

```
Start at: 2018-11-30 16:30:23
End at: 2018-11-30 16:30:53
Local clock offset: 4.927 ms
Remote clock offset: -1.34 ms

# Below is generated by plot.py at 2018-11-30 17:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 836.064 ms
Loss rate: 27.69%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 847.414 ms
Loss rate: 33.04%
-- Flow 2:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 724.203 ms
Loss rate: 25.44%
-- Flow 3:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 221.903 ms
Loss rate: 2.37%
```

Run 4: Report of PCC-Expr — Data Link

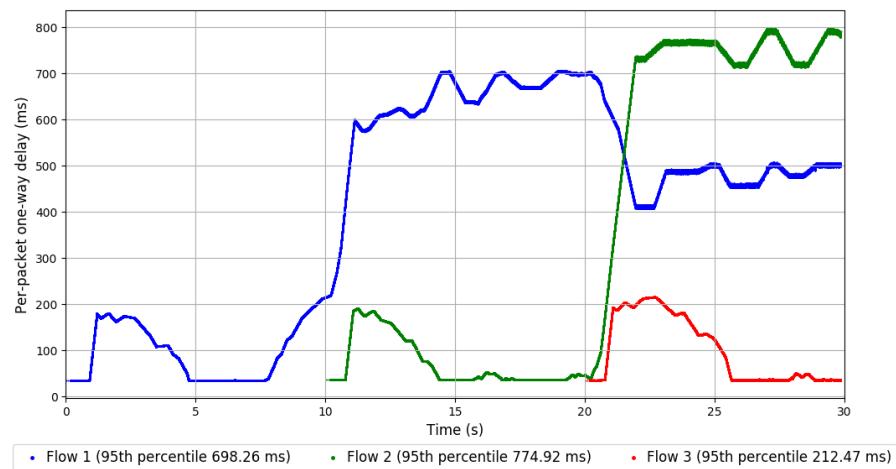
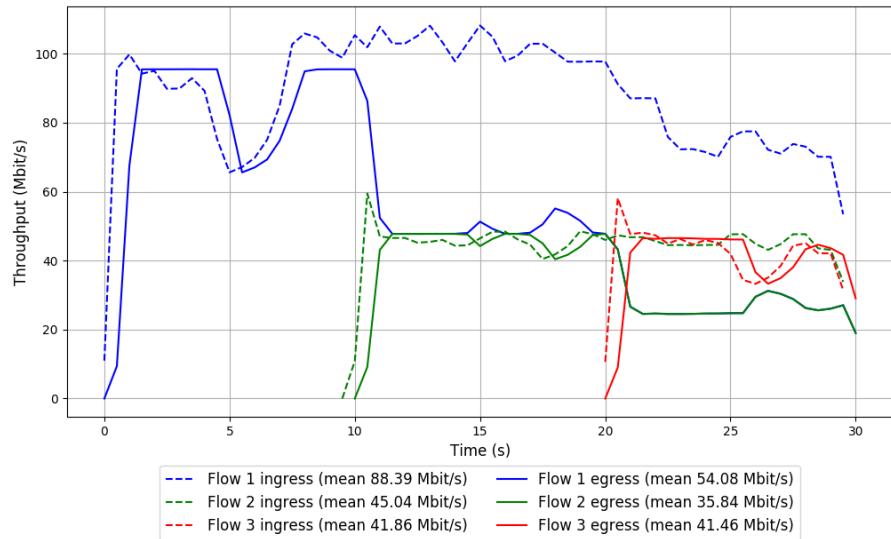


Run 5: Statistics of PCC-Expr

```
Start at: 2018-11-30 16:53:29
End at: 2018-11-30 16:53:59
Local clock offset: 3.969 ms
Remote clock offset: -0.531 ms

# Below is generated by plot.py at 2018-11-30 17:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 739.947 ms
Loss rate: 30.90%
-- Flow 1:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 698.258 ms
Loss rate: 38.95%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 774.916 ms
Loss rate: 20.68%
-- Flow 3:
Average throughput: 41.46 Mbit/s
95th percentile per-packet one-way delay: 212.468 ms
Loss rate: 1.61%
```

Run 5: Report of PCC-Expr — Data Link

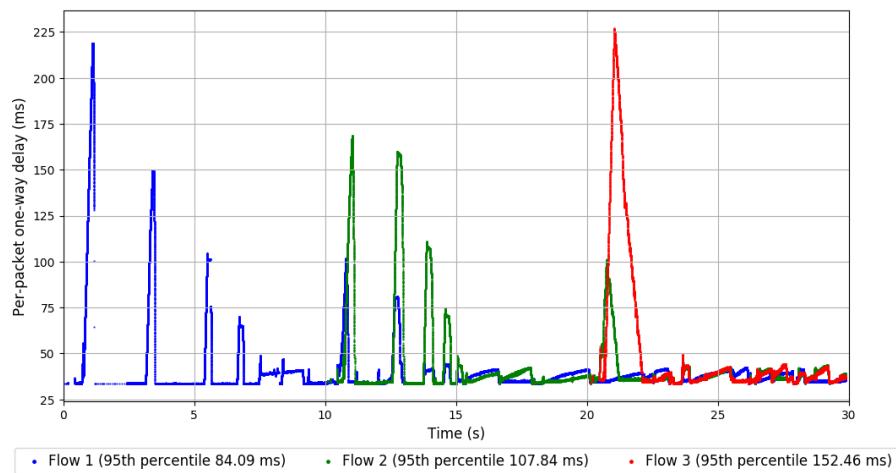
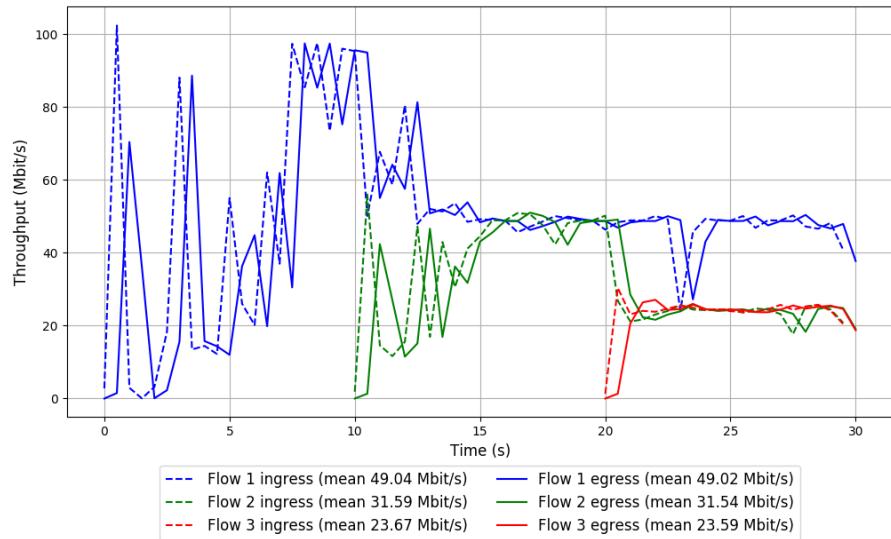


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-11-30 15:27:42
End at: 2018-11-30 15:28:12
Local clock offset: 0.635 ms
Remote clock offset: -3.696 ms

# Below is generated by plot.py at 2018-11-30 17:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 101.245 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 84.090 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 107.839 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 152.458 ms
Loss rate: 1.00%
```

Run 1: Report of QUIC Cubic — Data Link

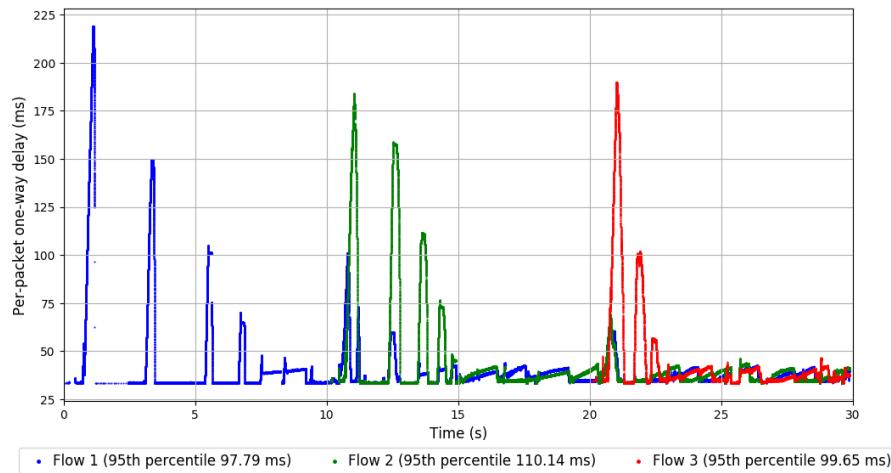
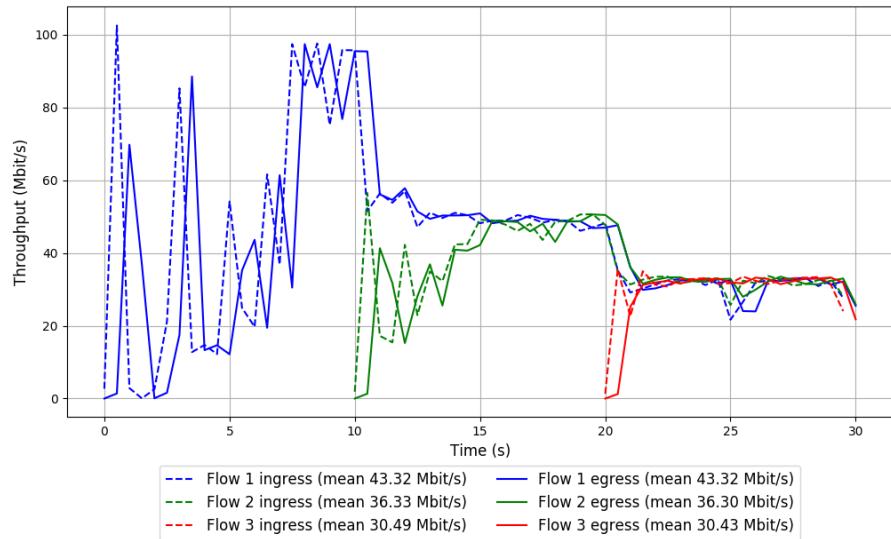


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-11-30 15:51:03
End at: 2018-11-30 15:51:33
Local clock offset: 2.195 ms
Remote clock offset: -2.523 ms

# Below is generated by plot.py at 2018-11-30 17:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 101.043 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 43.32 Mbit/s
95th percentile per-packet one-way delay: 97.790 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 110.137 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 99.649 ms
Loss rate: 0.90%
```

Run 2: Report of QUIC Cubic — Data Link

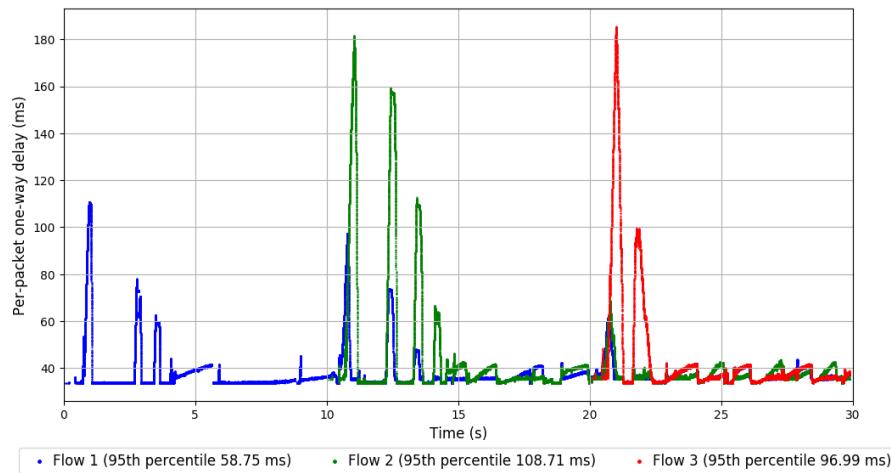
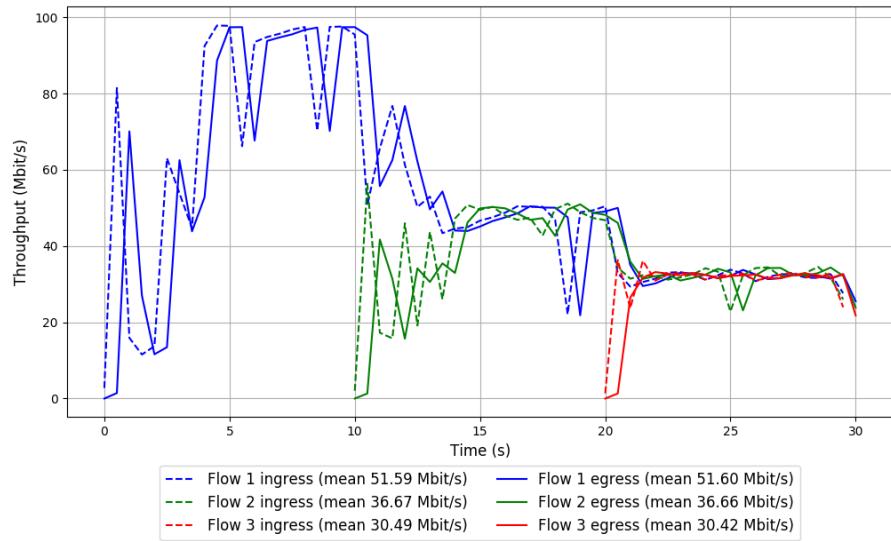


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-11-30 16:14:39
End at: 2018-11-30 16:15:09
Local clock offset: 4.282 ms
Remote clock offset: -1.638 ms

# Below is generated by plot.py at 2018-11-30 17:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 69.018 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 51.60 Mbit/s
95th percentile per-packet one-way delay: 58.746 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 108.714 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 96.994 ms
Loss rate: 0.90%
```

Run 3: Report of QUIC Cubic — Data Link

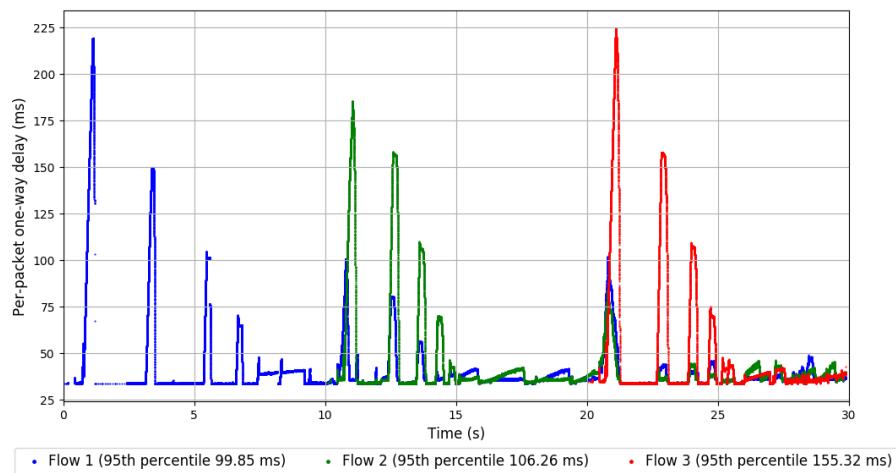
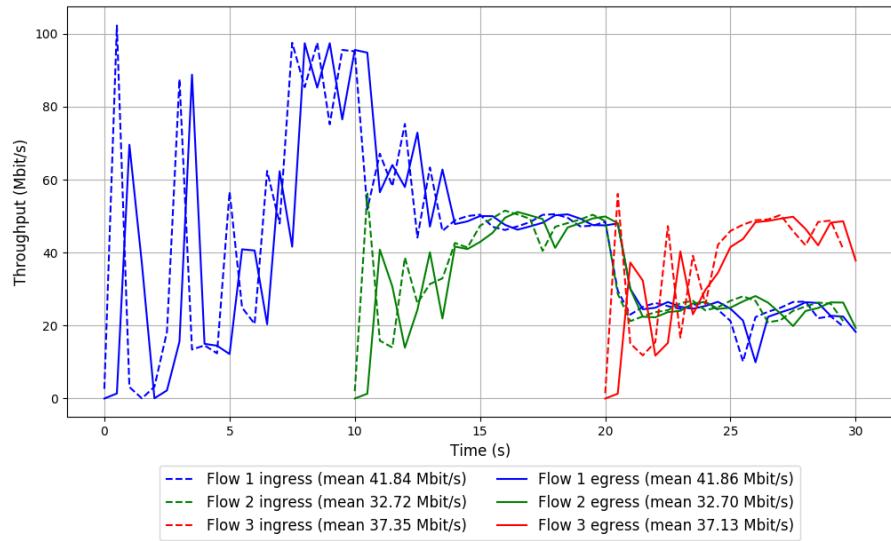


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-11-30 16:37:44
End at: 2018-11-30 16:38:14
Local clock offset: 5.204 ms
Remote clock offset: -0.898 ms

# Below is generated by plot.py at 2018-11-30 17:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 107.028 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 99.852 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 106.257 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 155.317 ms
Loss rate: 1.22%
```

Run 4: Report of QUIC Cubic — Data Link

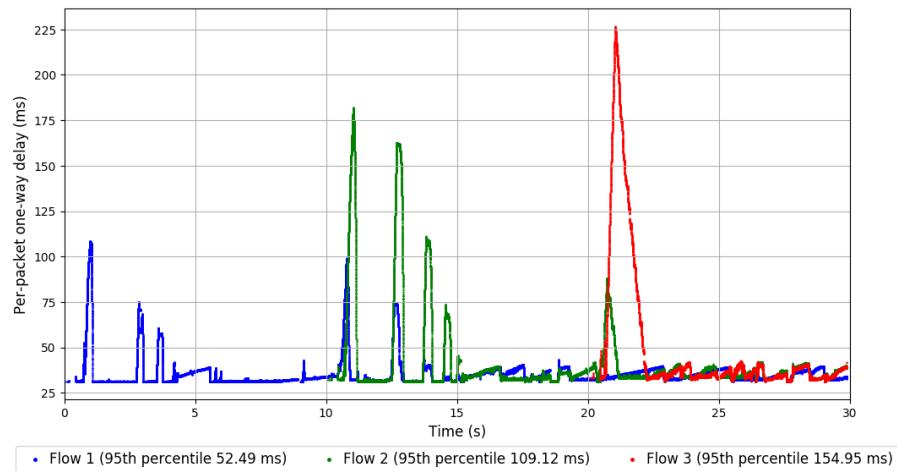
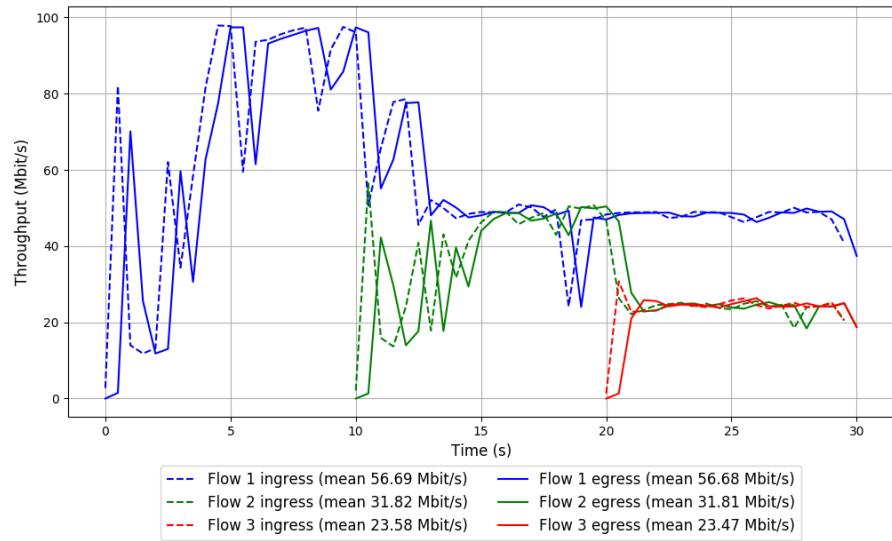


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-11-30 17:00:50
End at: 2018-11-30 17:01:20
Local clock offset: 3.477 ms
Remote clock offset: 2.064 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 70.714 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 52.493 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 109.125 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 154.949 ms
Loss rate: 1.09%
```

Run 5: Report of QUIC Cubic — Data Link

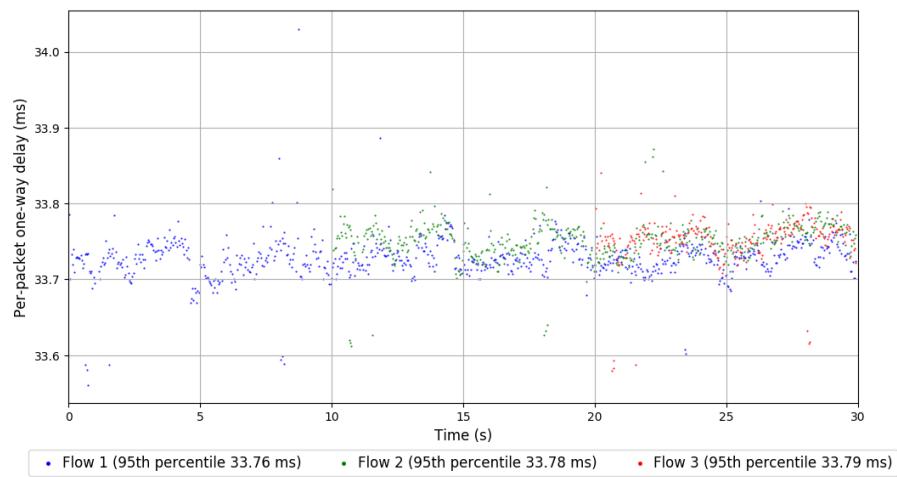
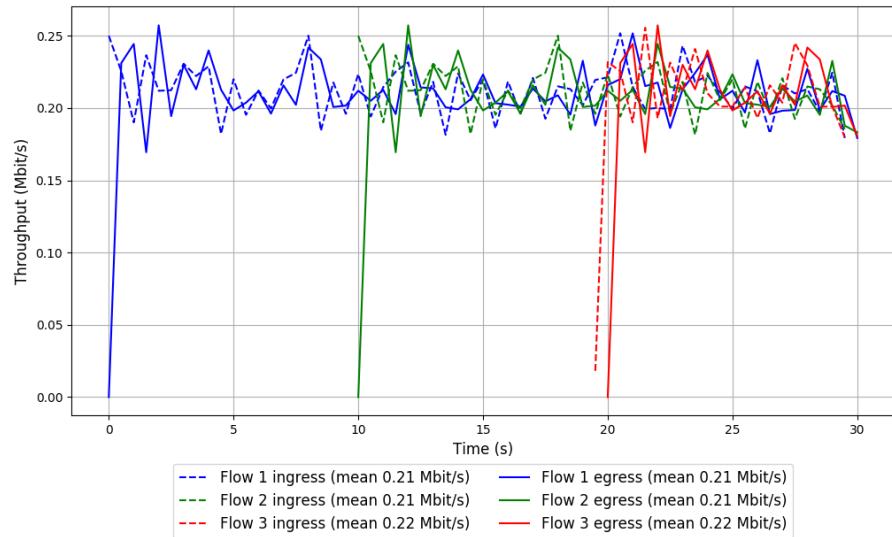


Run 1: Statistics of SCReAM

```
Start at: 2018-11-30 15:38:45
End at: 2018-11-30 15:39:15
Local clock offset: 0.611 ms
Remote clock offset: -3.143 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.778 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.761 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.783 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.786 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

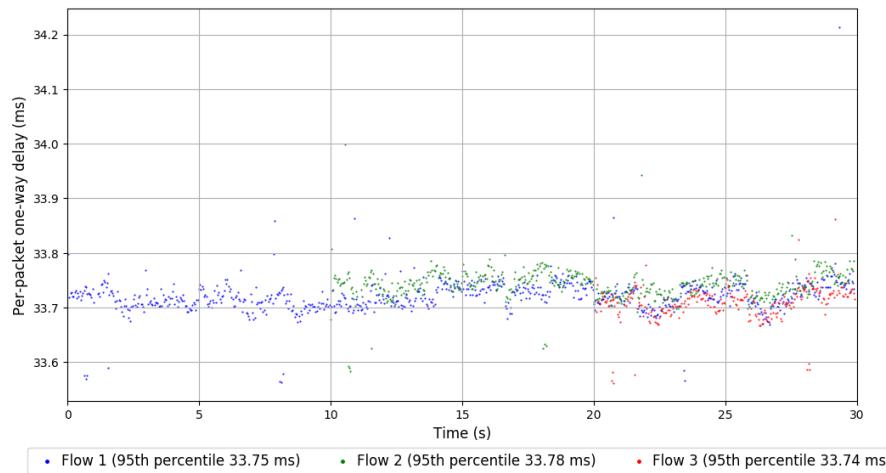
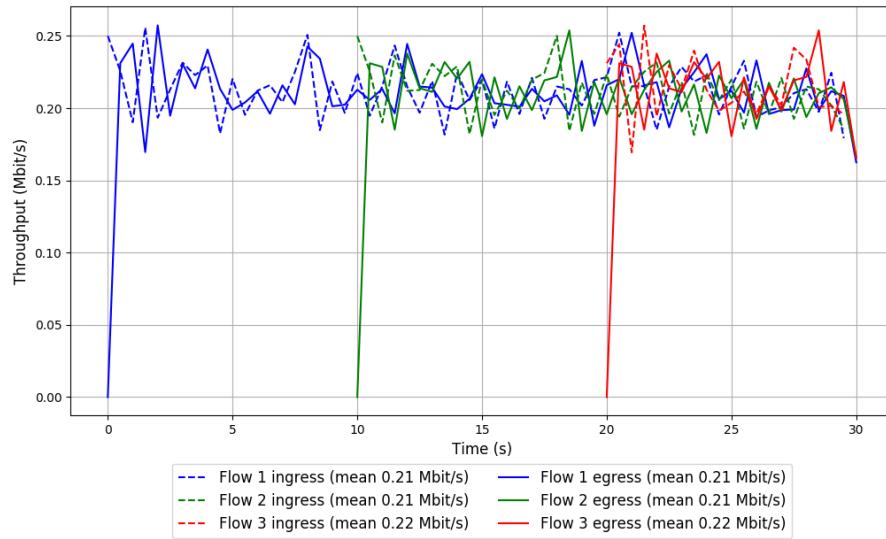


Run 2: Statistics of SCReAM

```
Start at: 2018-11-30 16:02:31
End at: 2018-11-30 16:03:01
Local clock offset: 3.557 ms
Remote clock offset: -2.118 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.767 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.754 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.777 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.745 ms
Loss rate: 0.71%
```

Run 2: Report of SCReAM — Data Link

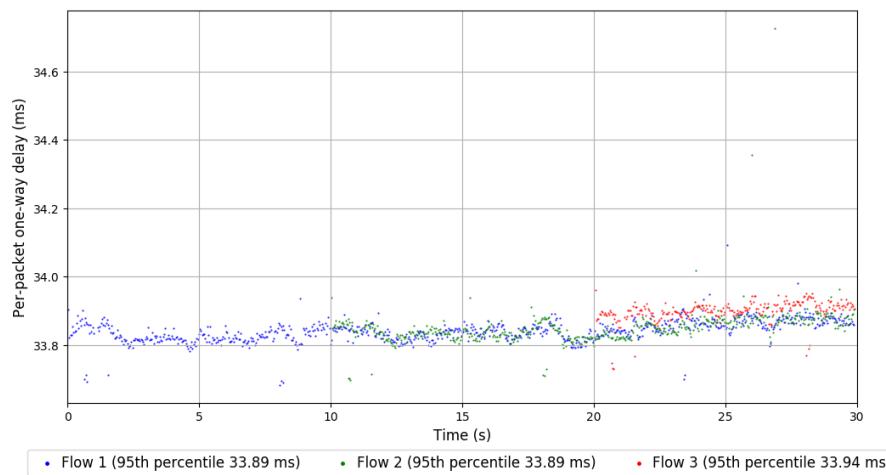
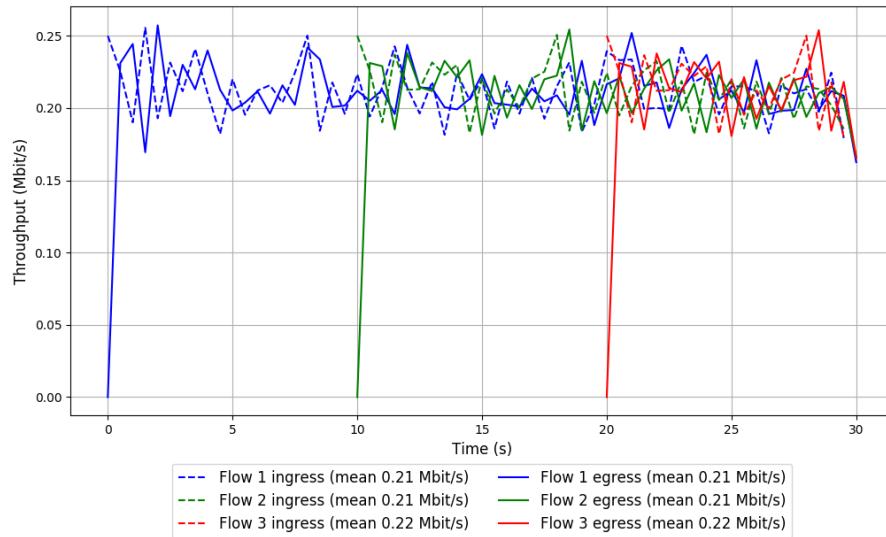


Run 3: Statistics of SCReAM

```
Start at: 2018-11-30 16:25:38
End at: 2018-11-30 16:26:08
Local clock offset: 4.734 ms
Remote clock offset: -1.423 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.917 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.887 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.891 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.940 ms
Loss rate: 0.71%
```

Run 3: Report of SCReAM — Data Link

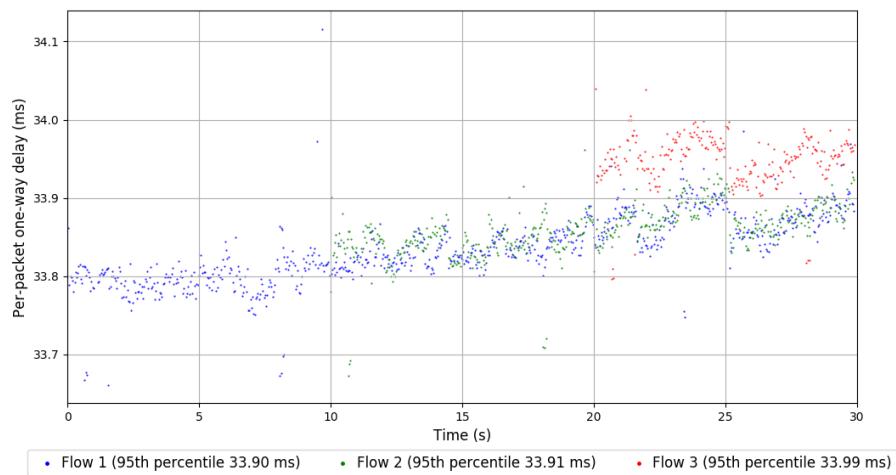
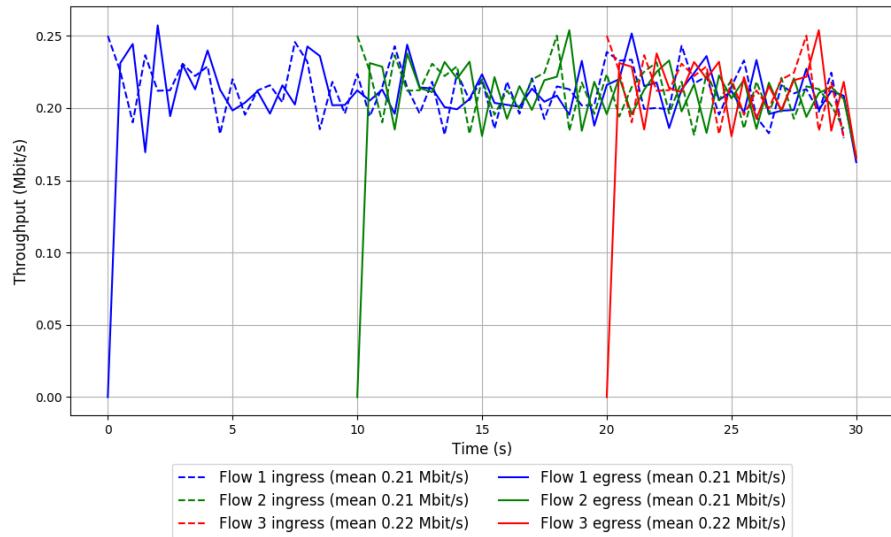


Run 4: Statistics of SCReAM

```
Start at: 2018-11-30 16:48:42
End at: 2018-11-30 16:49:12
Local clock offset: 4.647 ms
Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.966 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.910 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.989 ms
Loss rate: 0.71%
```

Run 4: Report of SCReAM — Data Link

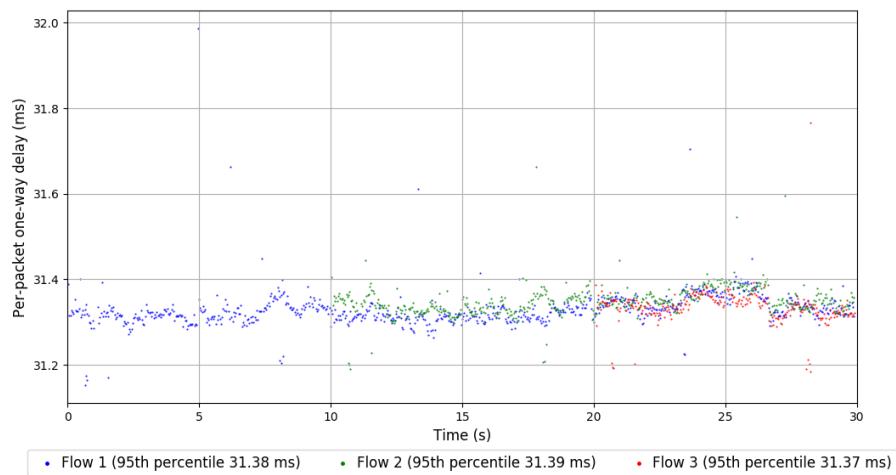
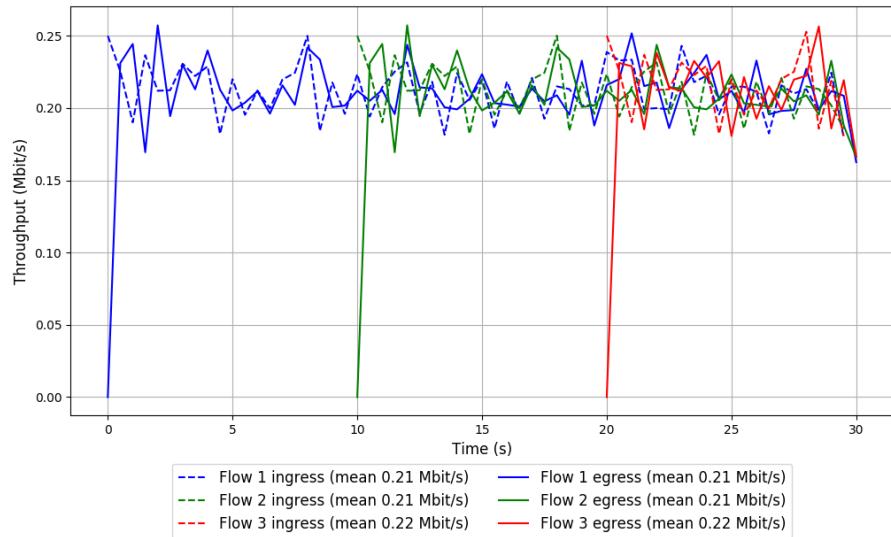


Run 5: Statistics of SCReAM

```
Start at: 2018-11-30 17:11:52
End at: 2018-11-30 17:12:22
Local clock offset: 3.151 ms
Remote clock offset: 2.238 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.385 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.377 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.393 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.371 ms
Loss rate: 0.71%
```

Run 5: Report of SCReAM — Data Link

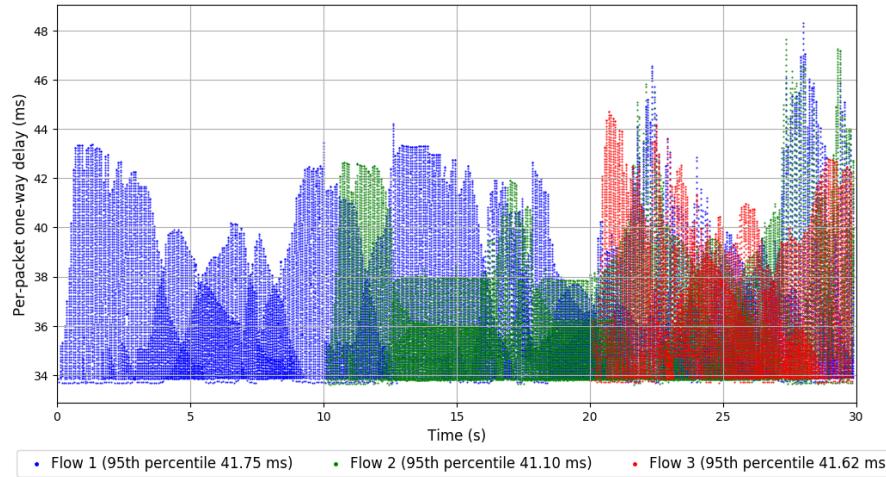
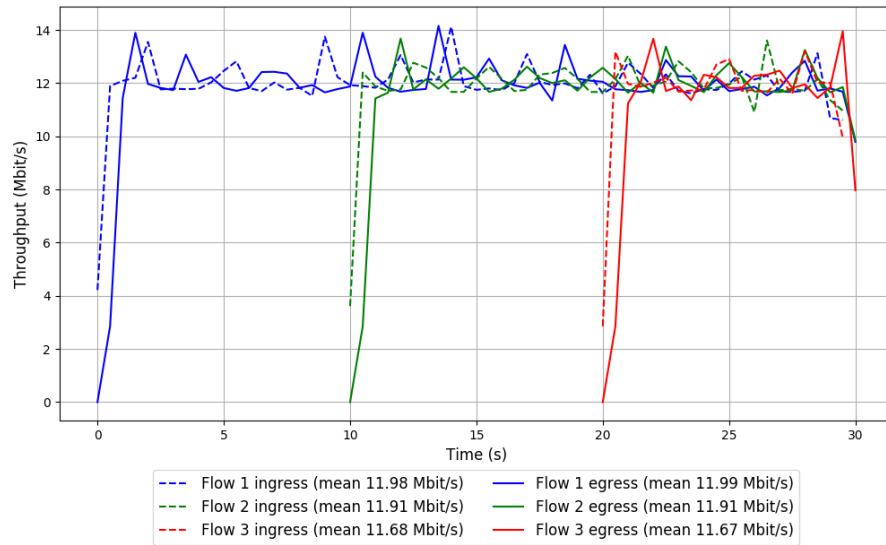


Run 1: Statistics of Sprout

```
Start at: 2018-11-30 15:39:54
End at: 2018-11-30 15:40:24
Local clock offset: 0.599 ms
Remote clock offset: -3.166 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 41.557 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 41.753 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 41.102 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 41.624 ms
Loss rate: 0.86%
```

Run 1: Report of Sprout — Data Link

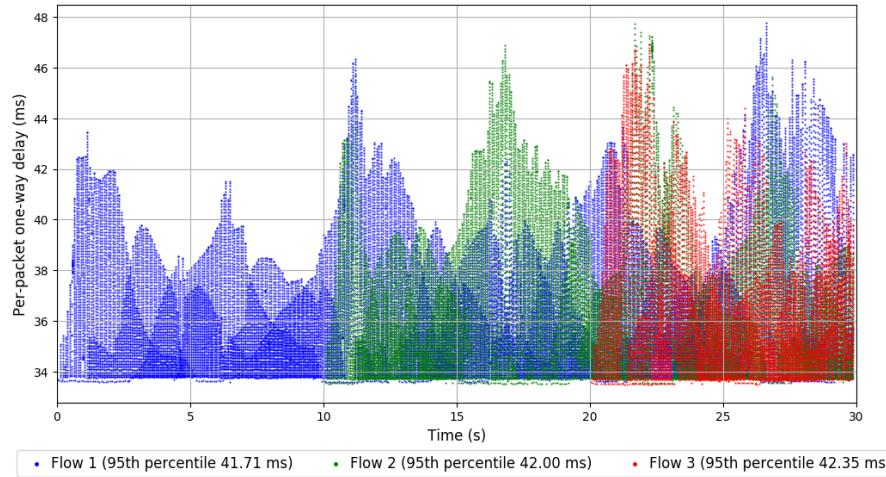
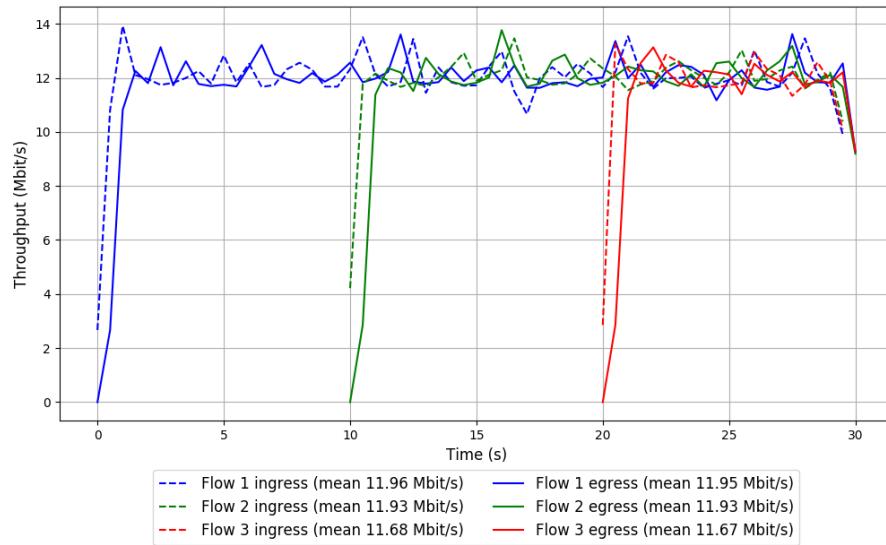


Run 2: Statistics of Sprout

```
Start at: 2018-11-30 16:03:39
End at: 2018-11-30 16:04:09
Local clock offset: 3.659 ms
Remote clock offset: -2.057 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 41.931 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 41.711 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 42.004 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 42.354 ms
Loss rate: 0.84%
```

Run 2: Report of Sprout — Data Link

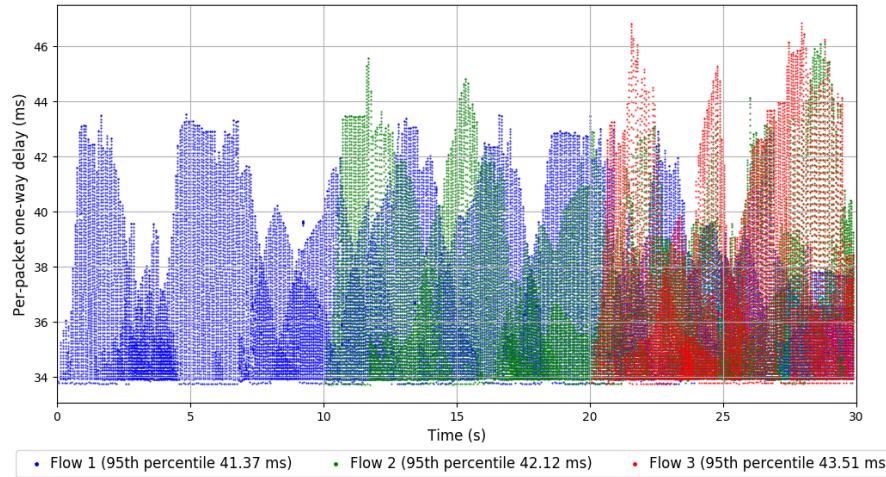
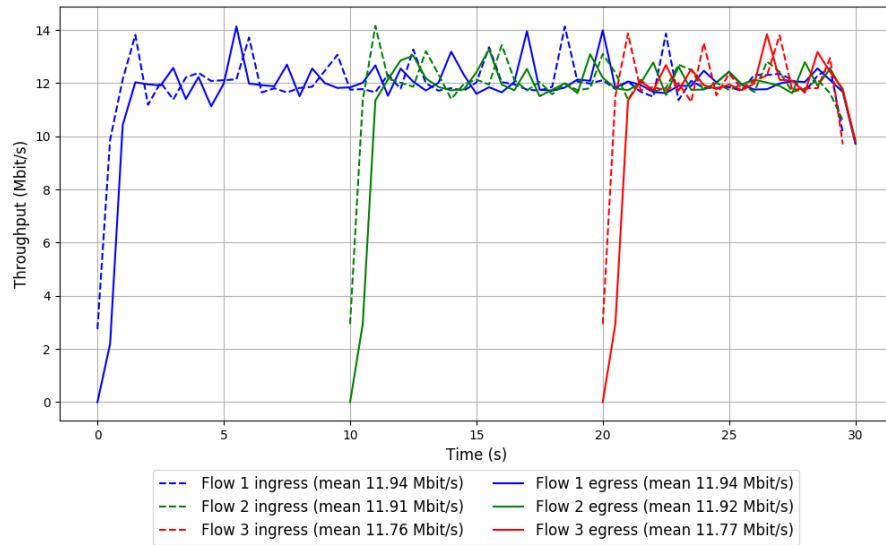


Run 3: Statistics of Sprout

```
Start at: 2018-11-30 16:26:46
End at: 2018-11-30 16:27:16
Local clock offset: 4.789 ms
Remote clock offset: -1.445 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 42.006 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 41.365 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 42.125 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 43.509 ms
Loss rate: 0.46%
```

Run 3: Report of Sprout — Data Link

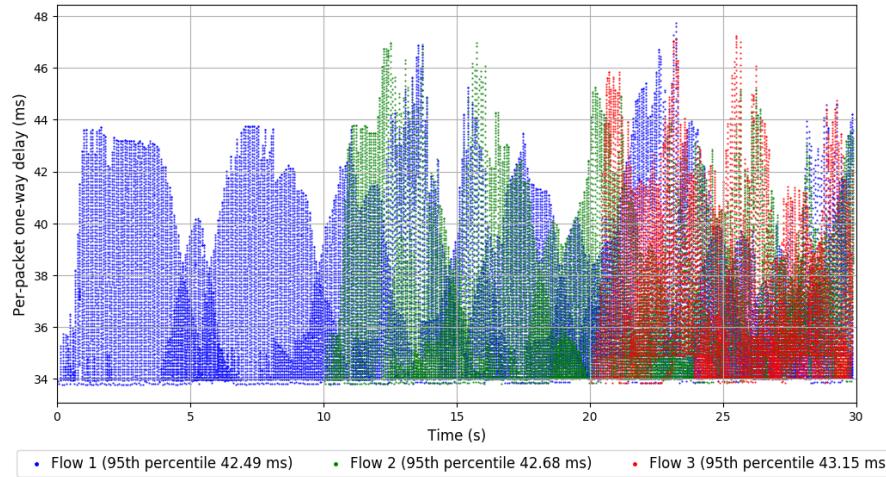
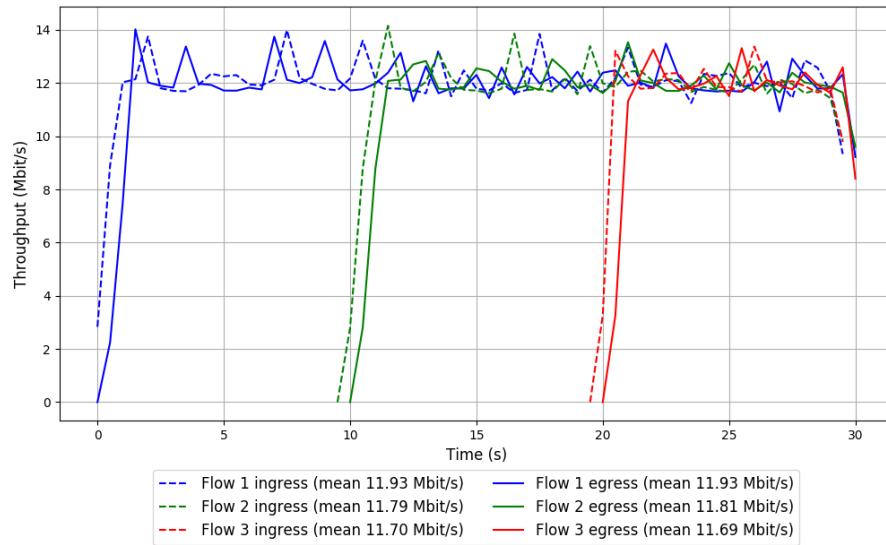


Run 4: Statistics of Sprout

```
Start at: 2018-11-30 16:49:51
End at: 2018-11-30 16:50:21
Local clock offset: 4.427 ms
Remote clock offset: -0.742 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 42.656 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 42.495 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 42.679 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 43.154 ms
Loss rate: 0.84%
```

Run 4: Report of Sprout — Data Link

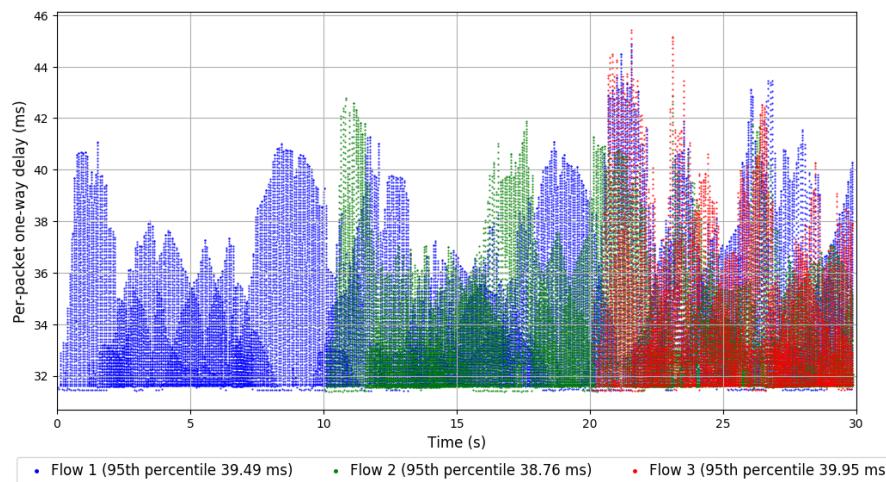
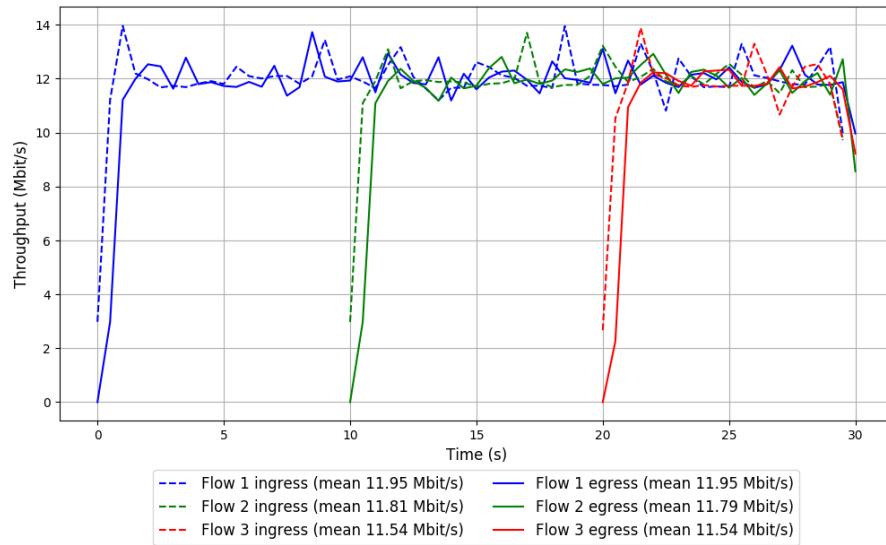


Run 5: Statistics of Sprout

```
Start at: 2018-11-30 17:13:00
End at: 2018-11-30 17:13:30
Local clock offset: 3.135 ms
Remote clock offset: 2.037 ms

# Below is generated by plot.py at 2018-11-30 17:28:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 39.346 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 39.487 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 38.756 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 39.949 ms
Loss rate: 0.85%
```

Run 5: Report of Sprout — Data Link

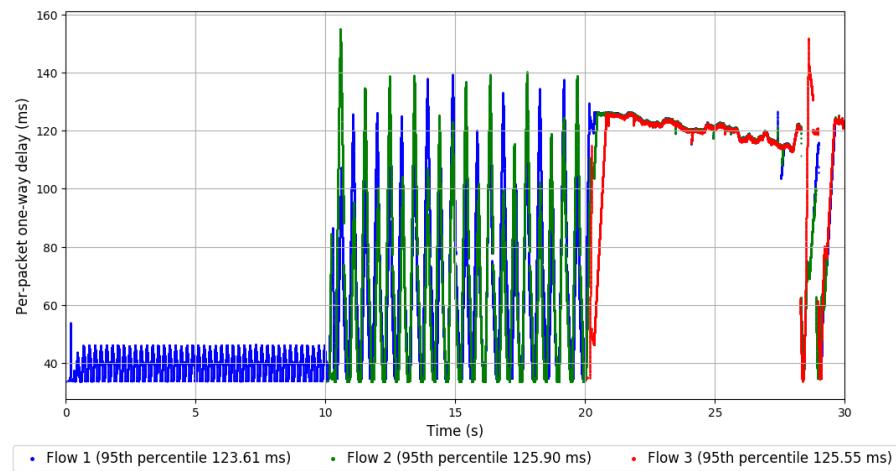
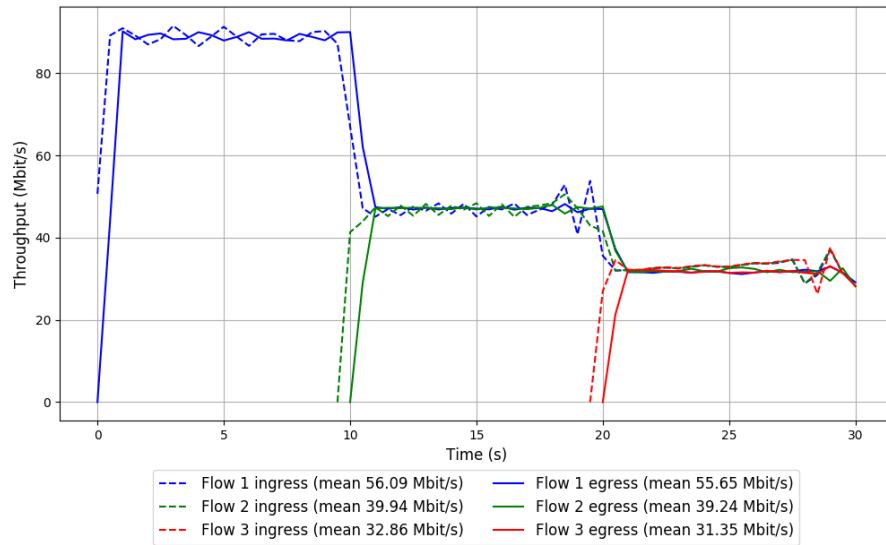


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-11-30 15:31:22
End at: 2018-11-30 15:31:52
Local clock offset: 0.635 ms
Remote clock offset: -3.552 ms

# Below is generated by plot.py at 2018-11-30 17:29:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 125.369 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 123.607 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 125.896 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 125.554 ms
Loss rate: 5.20%
```

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

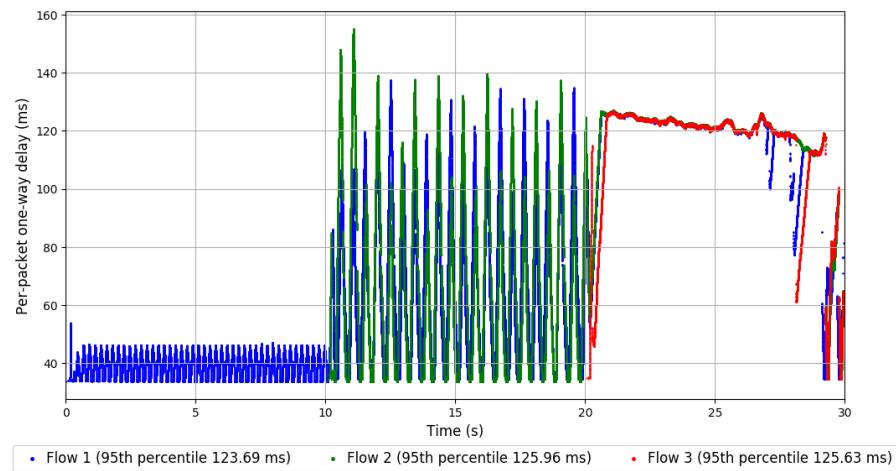
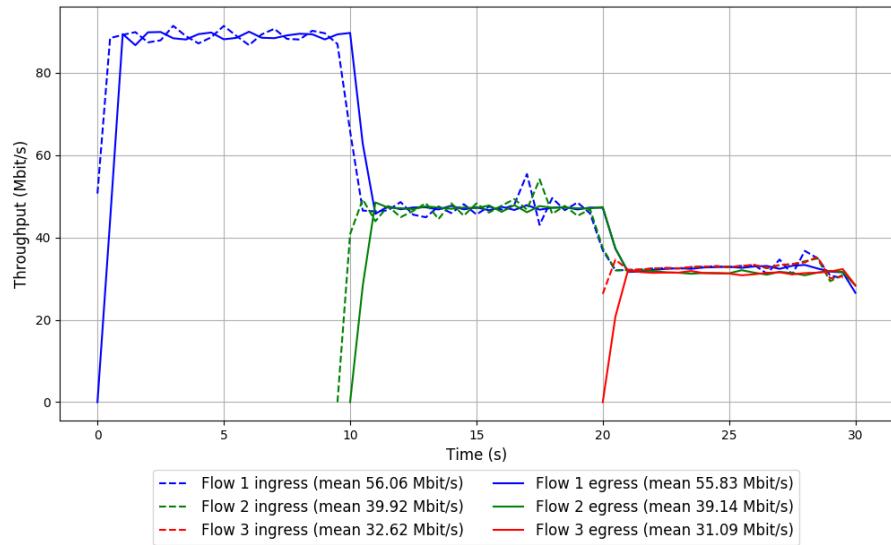


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-11-30 15:54:45
End at: 2018-11-30 15:55:15
Local clock offset: 2.767 ms
Remote clock offset: -2.654 ms

# Below is generated by plot.py at 2018-11-30 17:29:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 125.242 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 123.688 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 125.960 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 125.634 ms
Loss rate: 5.34%
```

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

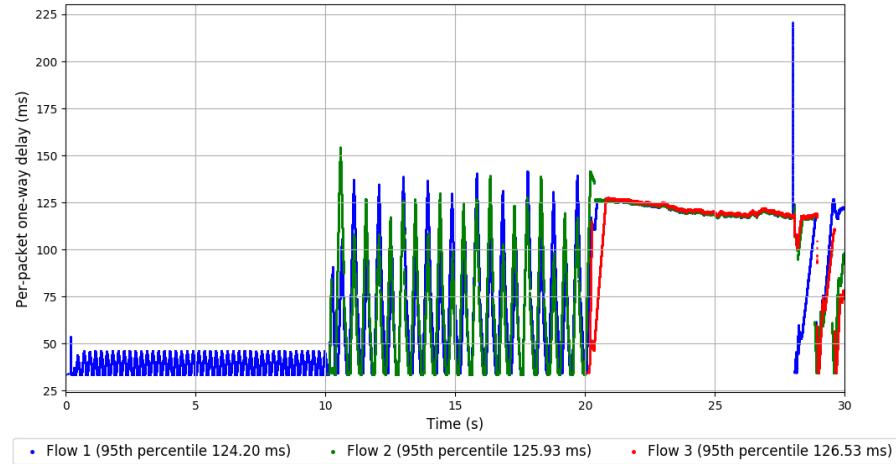
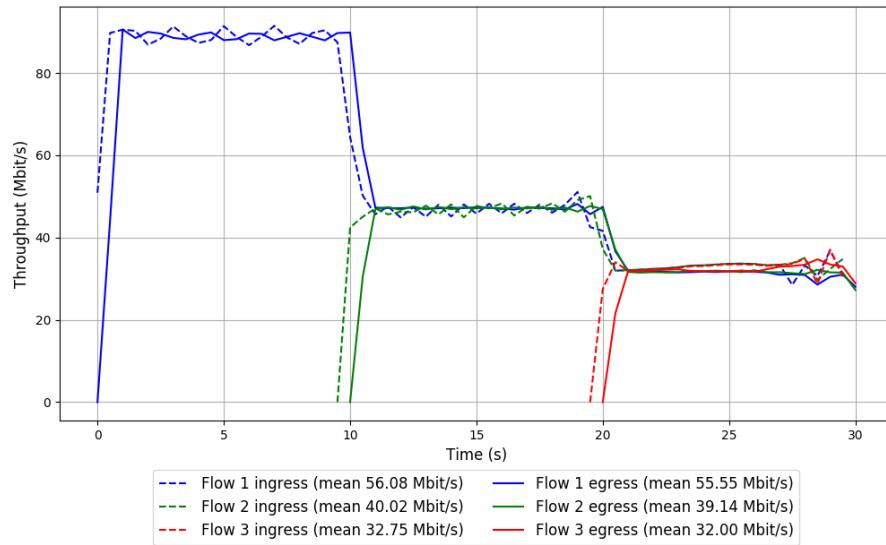


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-11-30 16:18:17
End at: 2018-11-30 16:18:47
Local clock offset: 4.458 ms
Remote clock offset: -1.502 ms

# Below is generated by plot.py at 2018-11-30 17:29:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 125.554 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 124.201 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 125.927 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 126.531 ms
Loss rate: 2.94%
```

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

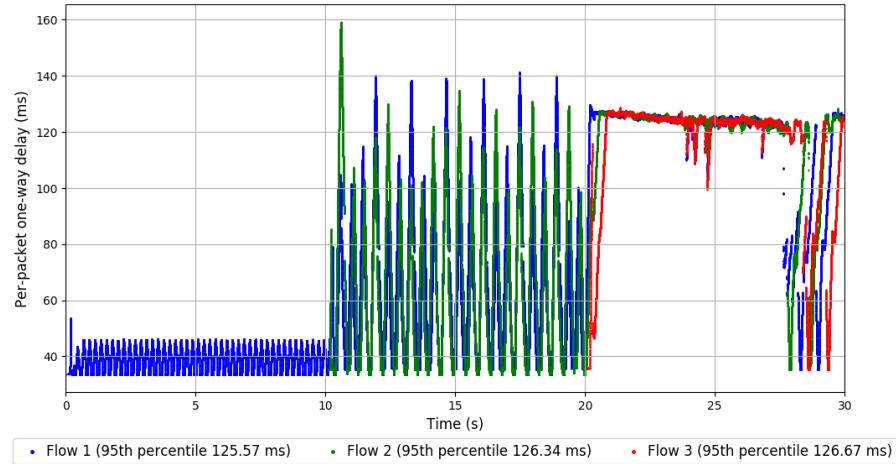
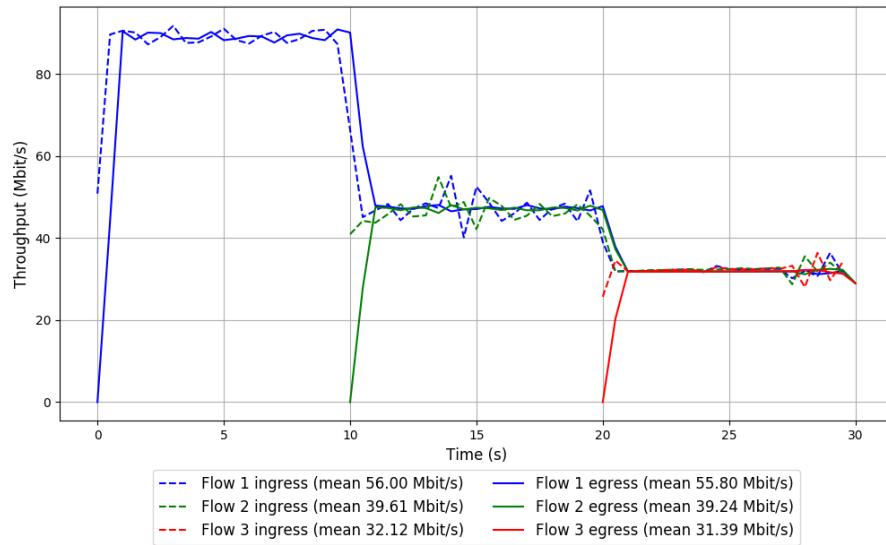


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-11-30 16:41:21
End at: 2018-11-30 16:41:51
Local clock offset: 5.324 ms
Remote clock offset: -0.76 ms

# Below is generated by plot.py at 2018-11-30 17:29:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 126.161 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 125.567 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 126.336 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 126.671 ms
Loss rate: 2.93%
```

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

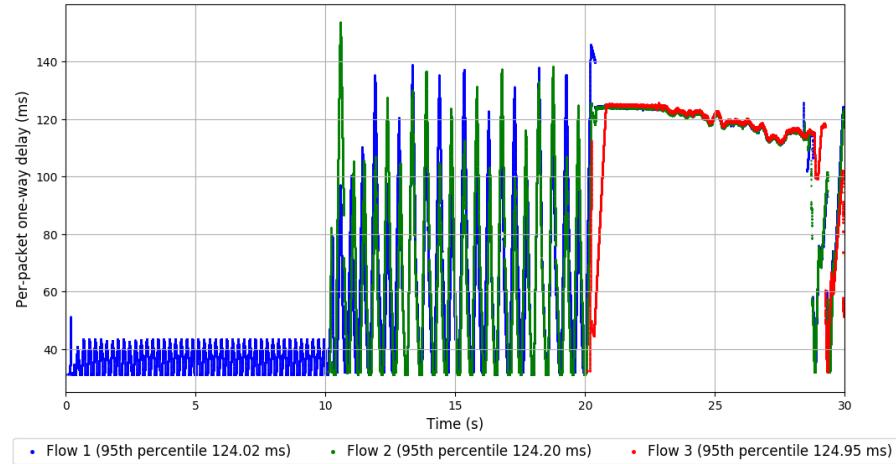
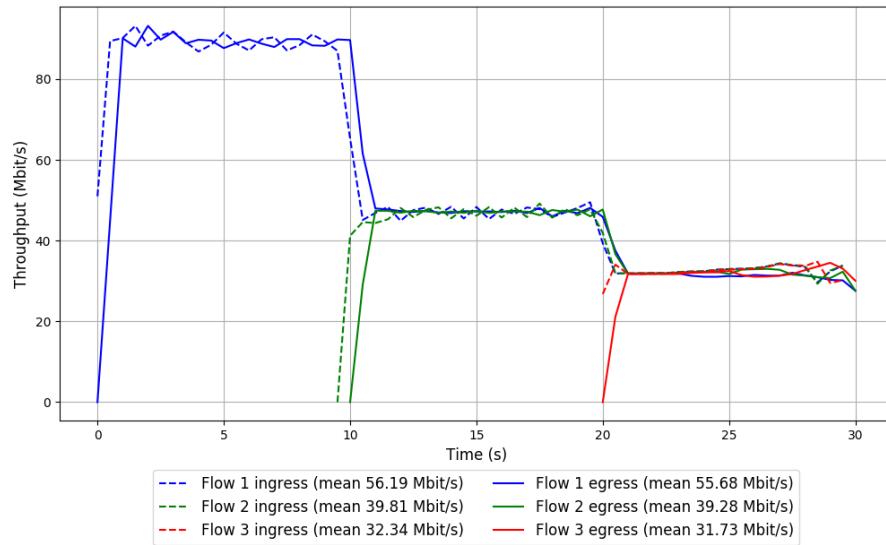


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-11-30 17:04:28
End at: 2018-11-30 17:04:58
Local clock offset: 3.337 ms
Remote clock offset: 2.115 ms

# Below is generated by plot.py at 2018-11-30 17:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 124.293 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 124.022 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 124.201 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 124.955 ms
Loss rate: 2.54%
```

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

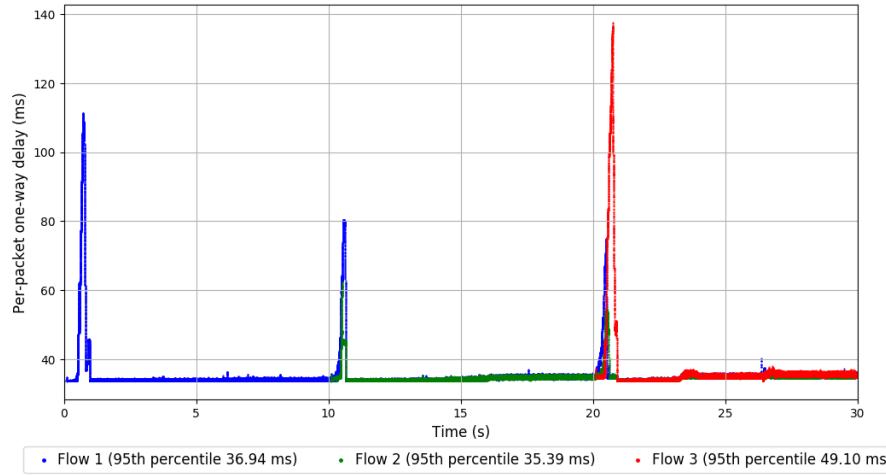
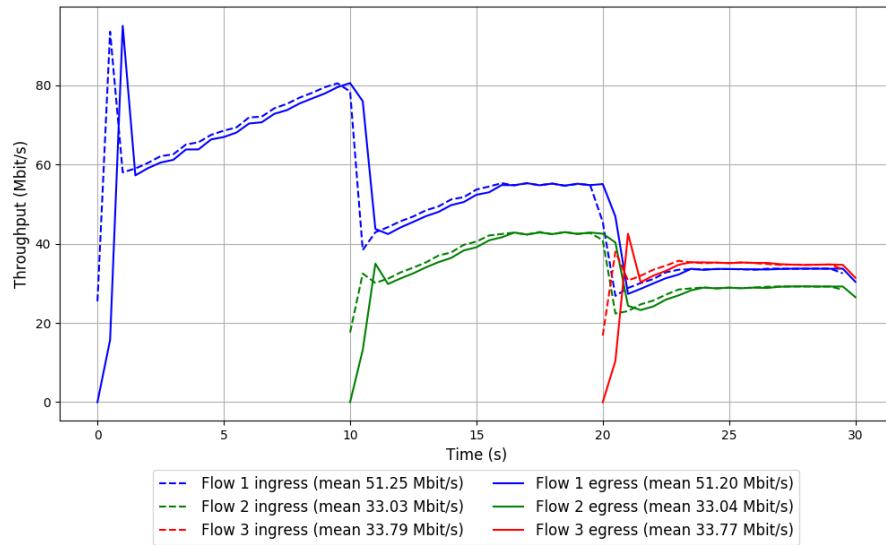


Run 1: Statistics of TCP Vegas

```
Start at: 2018-11-30 15:21:24
End at: 2018-11-30 15:21:54
Local clock offset: 0.691 ms
Remote clock offset: -3.881 ms

# Below is generated by plot.py at 2018-11-30 17:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 36.563 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 36.937 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 35.389 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 49.096 ms
Loss rate: 0.71%
```

Run 1: Report of TCP Vegas — Data Link

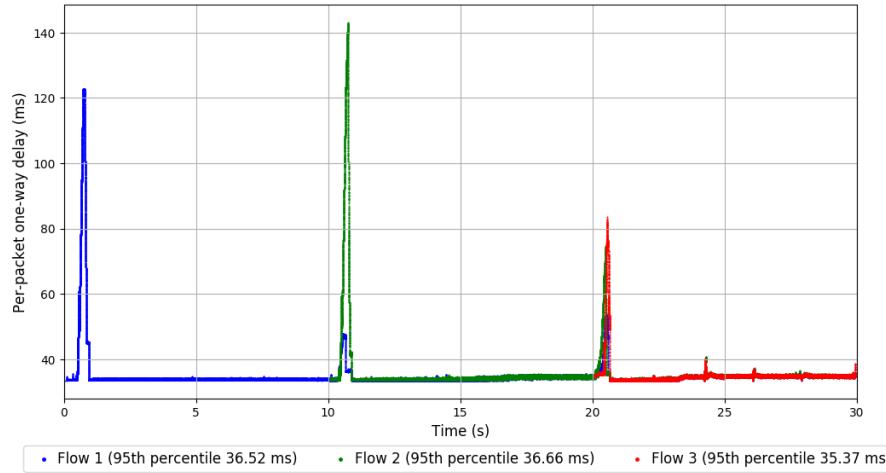
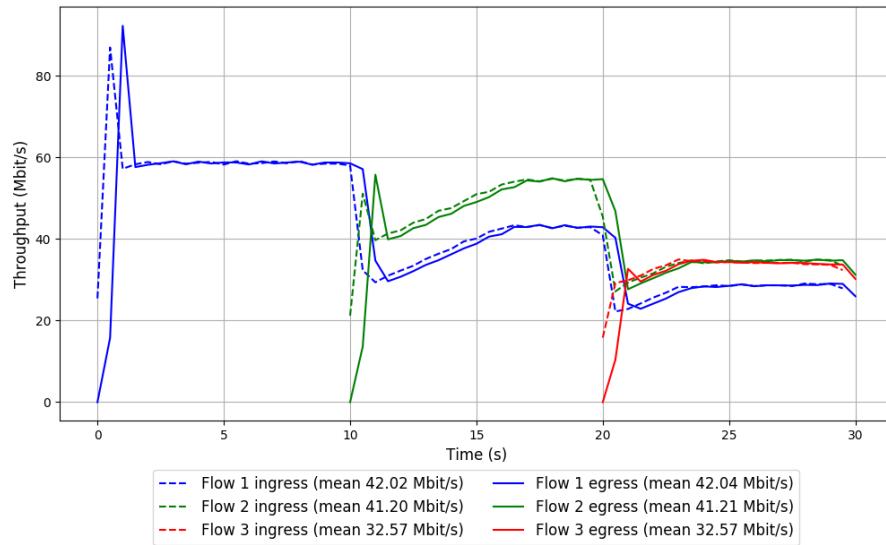


Run 2: Statistics of TCP Vegas

```
Start at: 2018-11-30 15:44:49
End at: 2018-11-30 15:45:19
Local clock offset: 0.6 ms
Remote clock offset: -2.825 ms

# Below is generated by plot.py at 2018-11-30 17:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 36.326 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 36.515 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 36.655 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 35.374 ms
Loss rate: 0.70%
```

Run 2: Report of TCP Vegas — Data Link

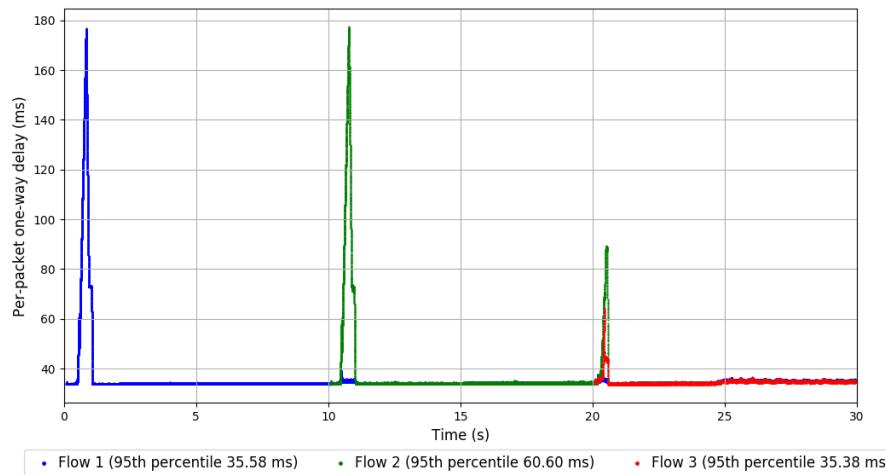
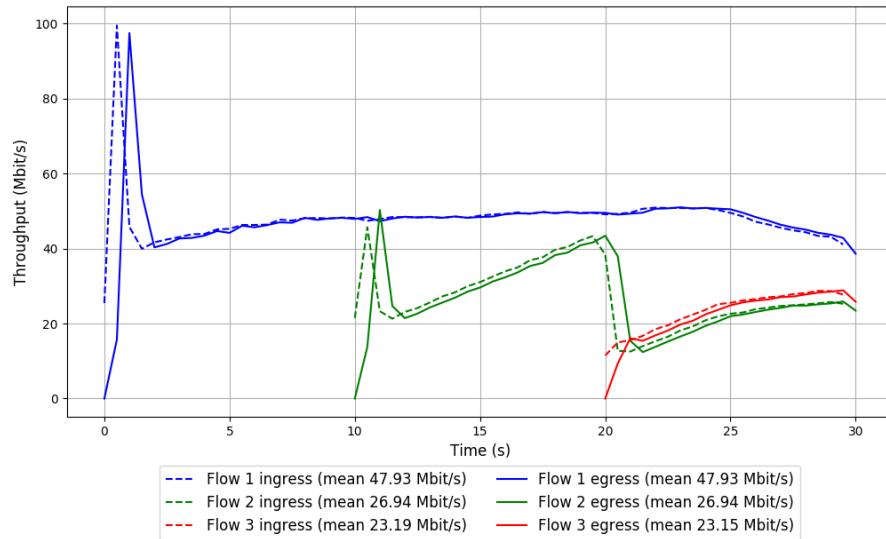


Run 3: Statistics of TCP Vegas

```
Start at: 2018-11-30 16:08:34
End at: 2018-11-30 16:09:04
Local clock offset: 3.955 ms
Remote clock offset: -1.831 ms

# Below is generated by plot.py at 2018-11-30 17:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 35.790 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 47.93 Mbit/s
95th percentile per-packet one-way delay: 35.583 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 60.602 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 35.376 ms
Loss rate: 0.83%
```

Run 3: Report of TCP Vegas — Data Link

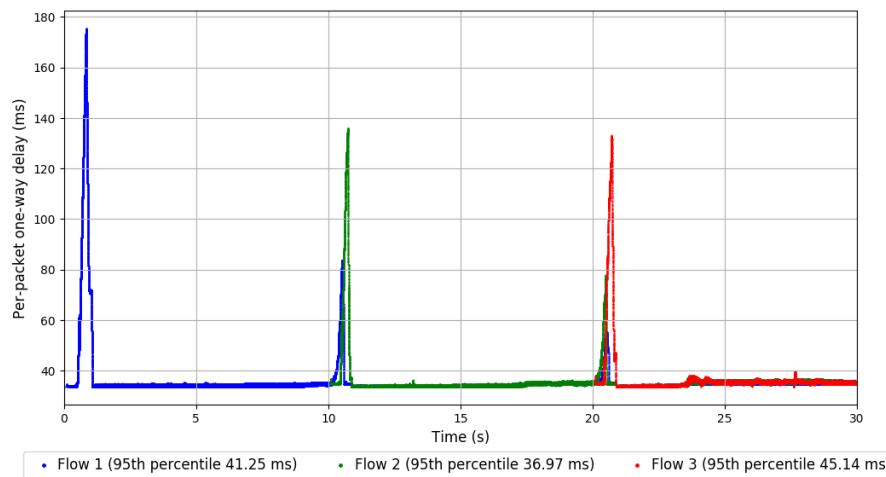
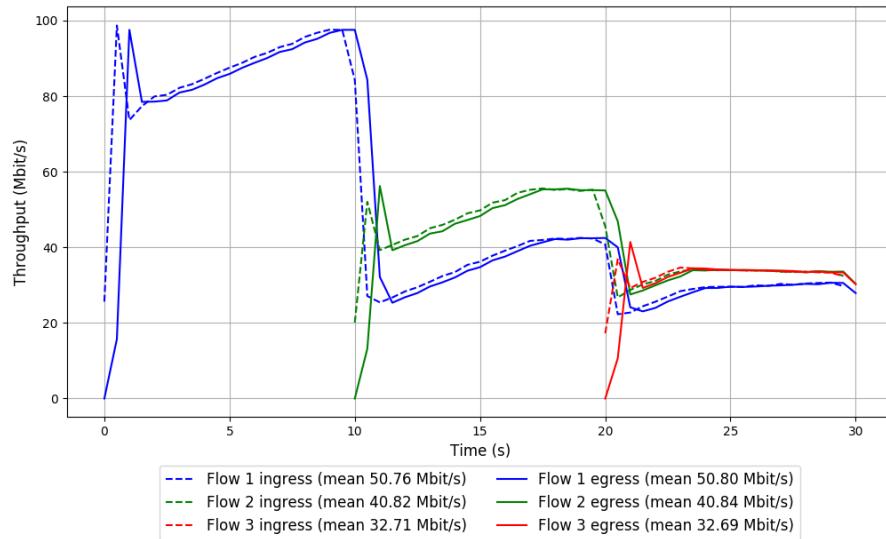


Run 4: Statistics of TCP Vegas

```
Start at: 2018-11-30 16:31:40
End at: 2018-11-30 16:32:10
Local clock offset: 4.968 ms
Remote clock offset: -1.108 ms

# Below is generated by plot.py at 2018-11-30 17:30:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 39.151 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 41.249 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 36.970 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 45.141 ms
Loss rate: 0.70%
```

Run 4: Report of TCP Vegas — Data Link

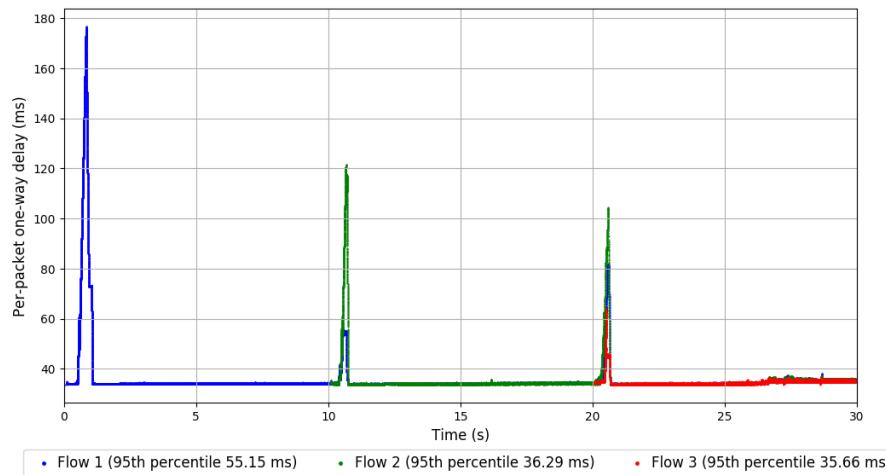
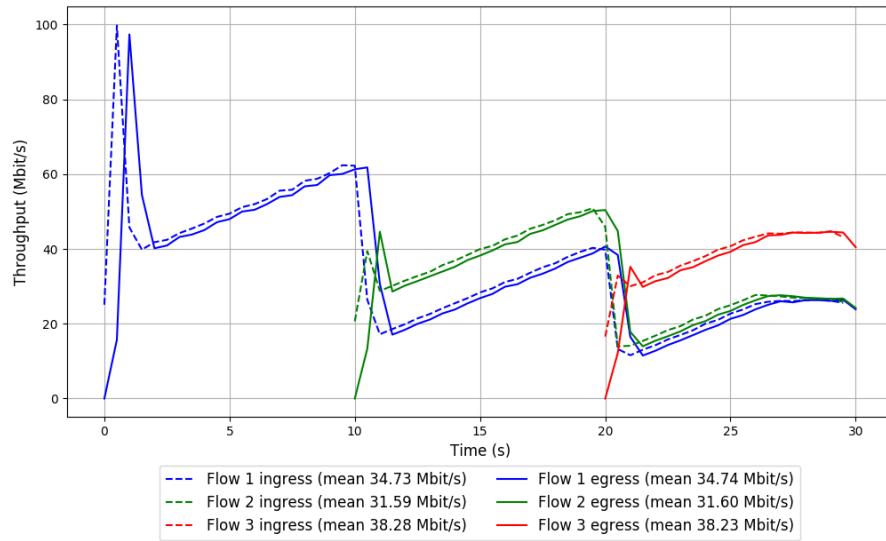


Run 5: Statistics of TCP Vegas

```
Start at: 2018-11-30 16:54:47
End at: 2018-11-30 16:55:17
Local clock offset: 3.851 ms
Remote clock offset: -0.527 ms

# Below is generated by plot.py at 2018-11-30 17:30:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 41.078 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 55.150 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 36.289 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 35.662 ms
Loss rate: 0.78%
```

Run 5: Report of TCP Vegas — Data Link

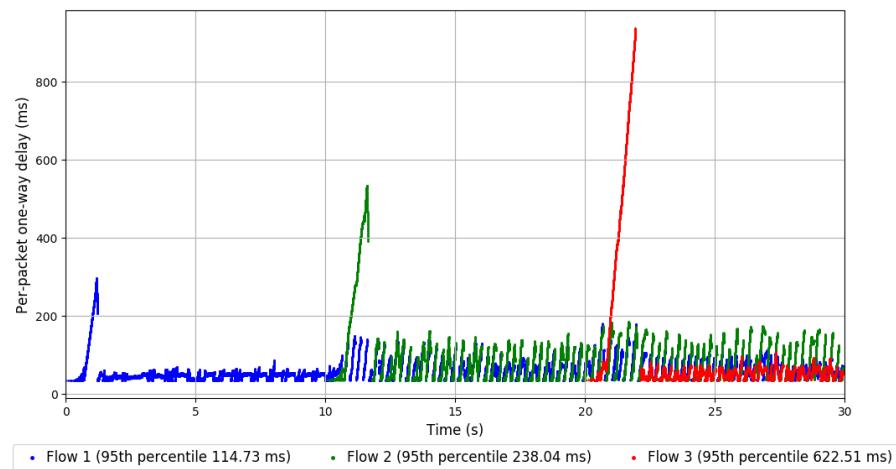
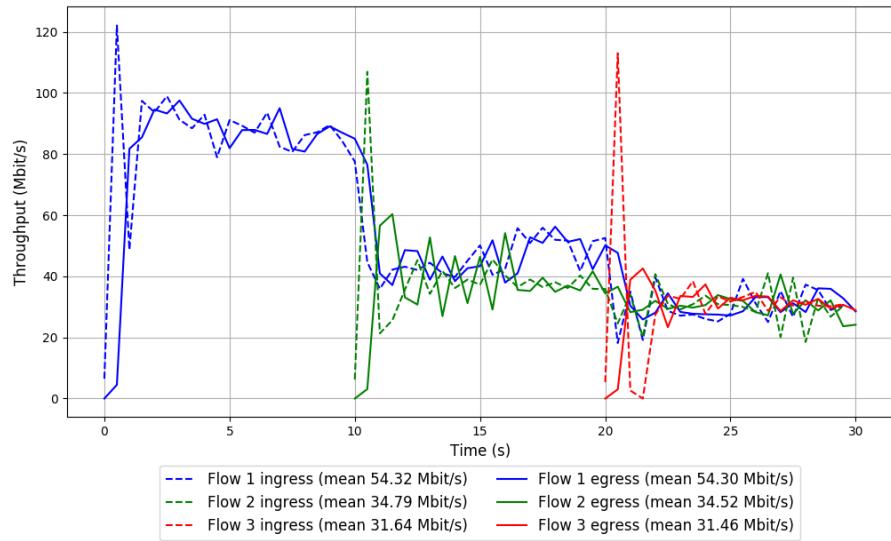


Run 1: Statistics of Verus

```
Start at: 2018-11-30 15:41:03
End at: 2018-11-30 15:41:33
Local clock offset: 0.599 ms
Remote clock offset: -3.158 ms

# Below is generated by plot.py at 2018-11-30 17:30:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 159.464 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 114.729 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 238.043 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 622.512 ms
Loss rate: 1.20%
```

Run 1: Report of Verus — Data Link

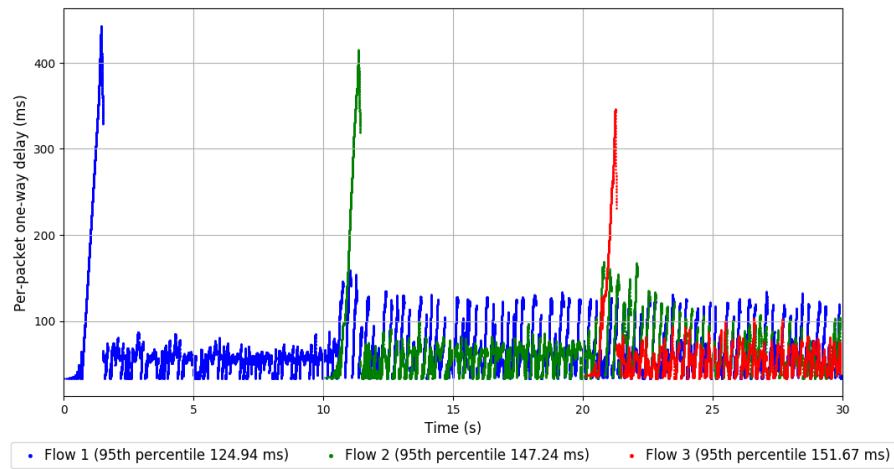
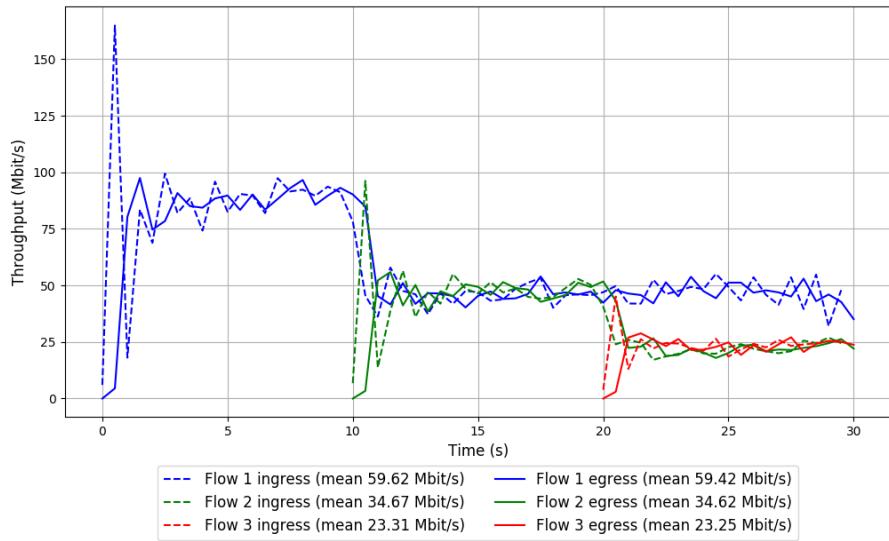


Run 2: Statistics of Verus

```
Start at: 2018-11-30 16:04:48
End at: 2018-11-30 16:05:18
Local clock offset: 3.732 ms
Remote clock offset: -1.896 ms

# Below is generated by plot.py at 2018-11-30 17:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 128.278 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 124.944 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 147.240 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 151.670 ms
Loss rate: 1.20%
```

Run 2: Report of Verus — Data Link

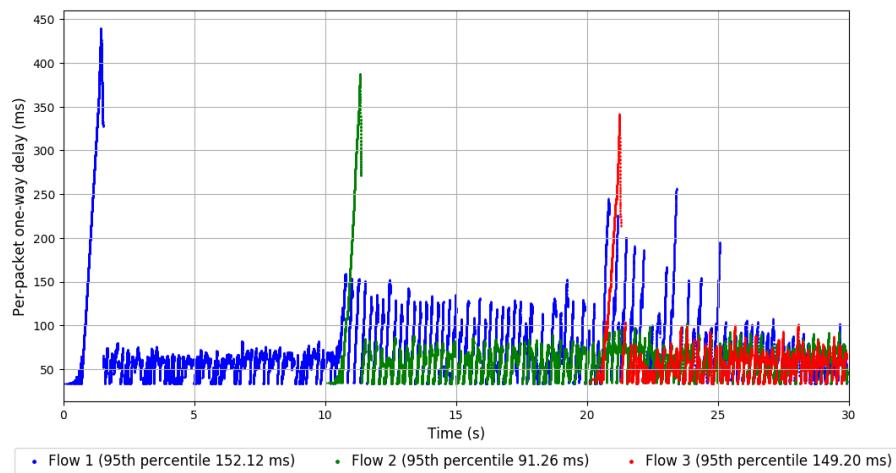
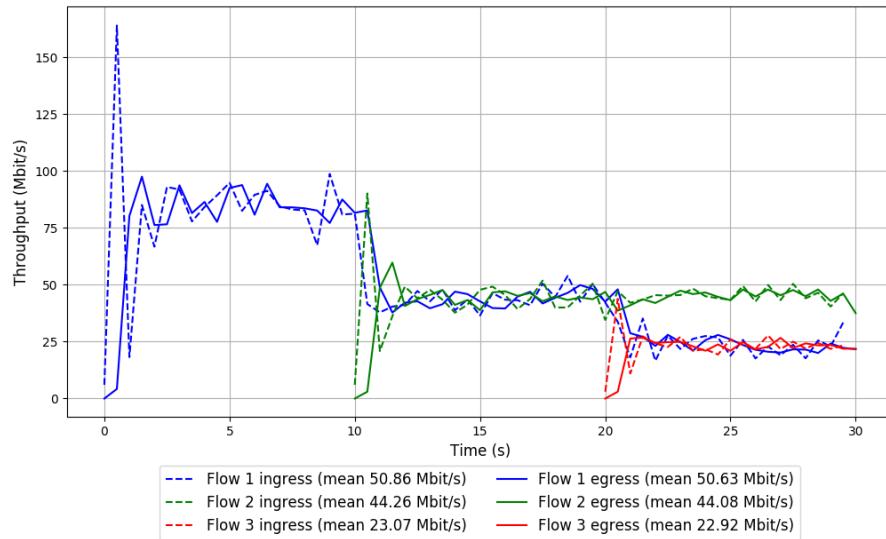


Run 3: Statistics of Verus

```
Start at: 2018-11-30 16:27:56
End at: 2018-11-30 16:28:26
Local clock offset: 4.821 ms
Remote clock offset: -1.23 ms

# Below is generated by plot.py at 2018-11-30 17:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 142.248 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 152.125 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 91.263 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 149.204 ms
Loss rate: 1.50%
```

Run 3: Report of Verus — Data Link

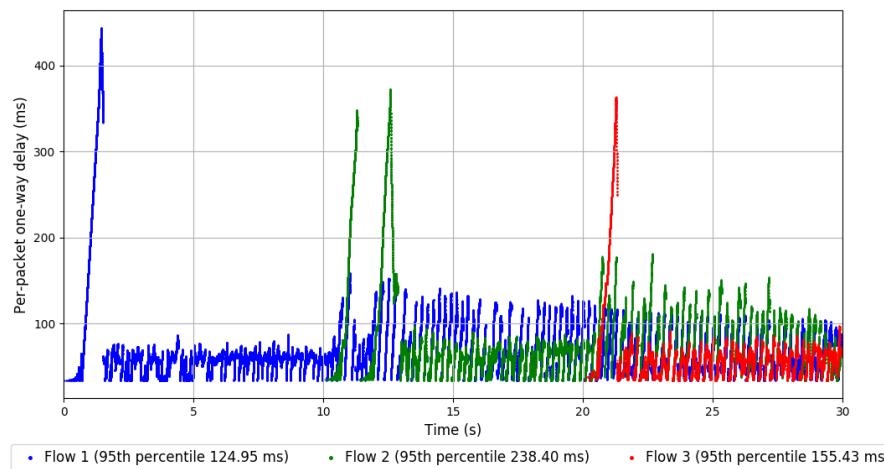
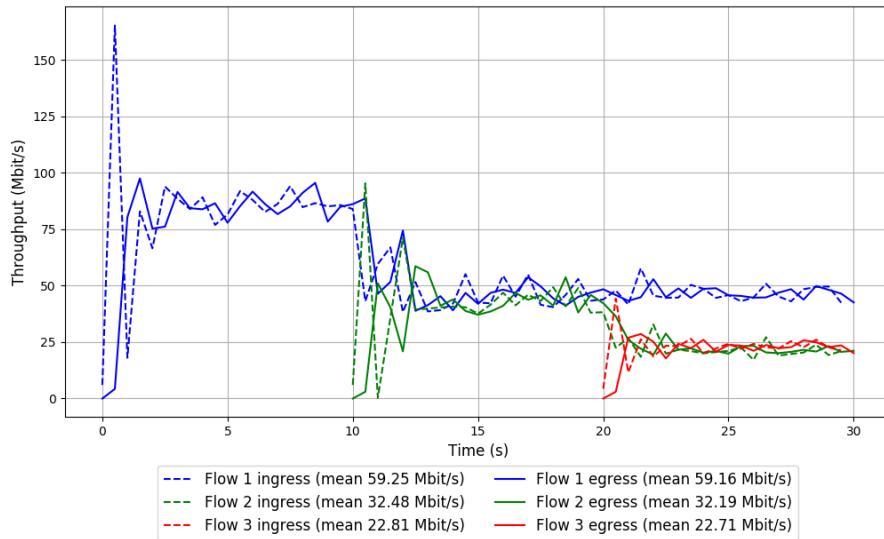


Run 4: Statistics of Verus

```
Start at: 2018-11-30 16:51:00
End at: 2018-11-30 16:51:30
Local clock offset: 4.281 ms
Remote clock offset: -0.558 ms

# Below is generated by plot.py at 2018-11-30 17:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 149.142 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 124.954 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 238.400 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 155.425 ms
Loss rate: 1.10%
```

Run 4: Report of Verus — Data Link

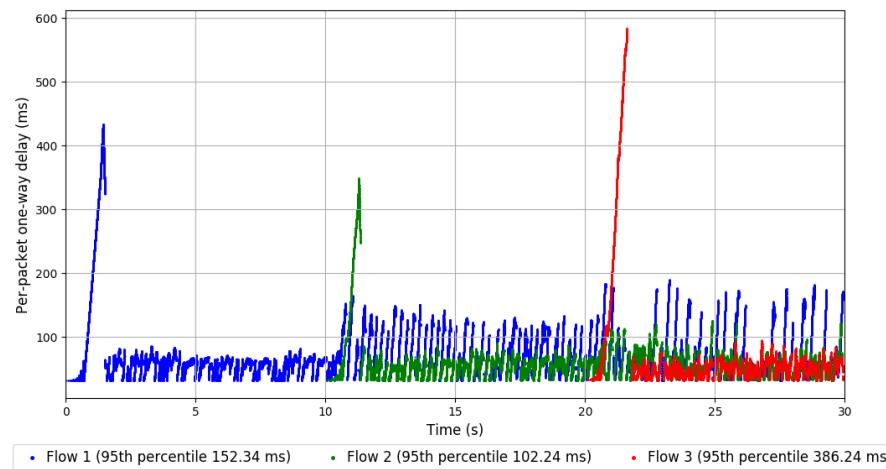
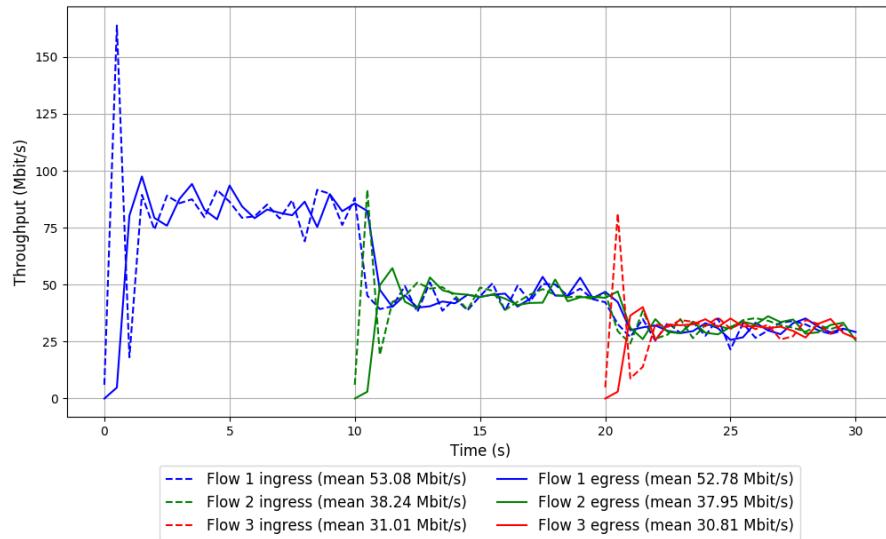


Run 5: Statistics of Verus

```
Start at: 2018-11-30 17:14:10
End at: 2018-11-30 17:14:40
Local clock offset: 3.117 ms
Remote clock offset: 2.28 ms

# Below is generated by plot.py at 2018-11-30 17:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 151.156 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 52.78 Mbit/s
95th percentile per-packet one-way delay: 152.338 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 102.241 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 386.242 ms
Loss rate: 1.26%
```

Run 5: Report of Verus — Data Link

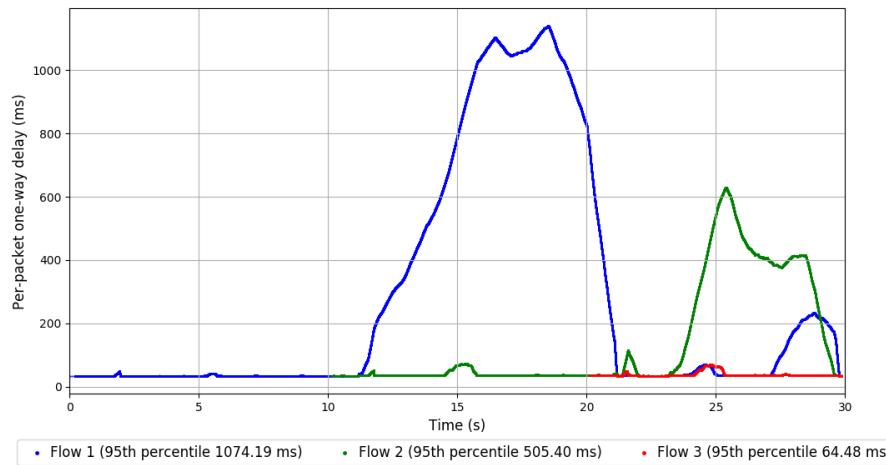
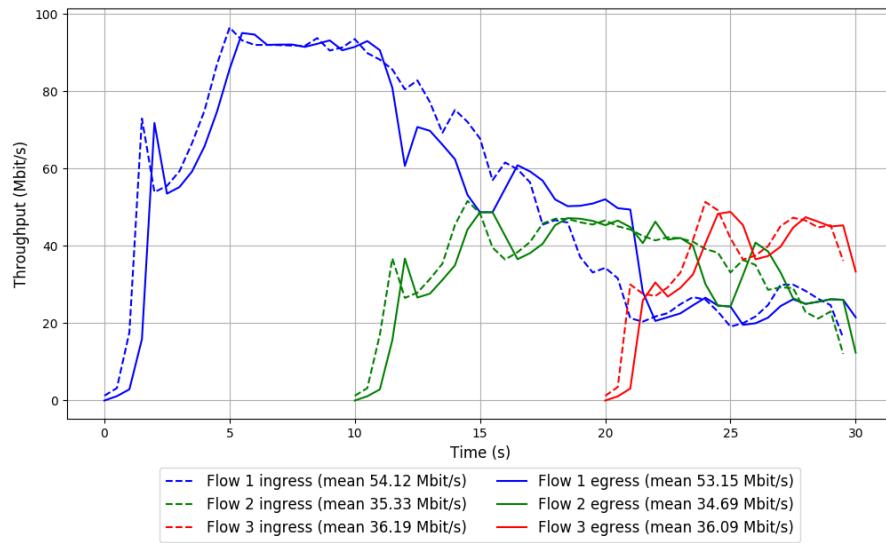


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-11-30 15:37:31
End at: 2018-11-30 15:38:01
Local clock offset: 0.609 ms
Remote clock offset: -3.196 ms

# Below is generated by plot.py at 2018-11-30 17:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 1054.070 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 1074.194 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 505.399 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 64.480 ms
Loss rate: 0.95%
```

Run 1: Report of PCC-Vivace — Data Link

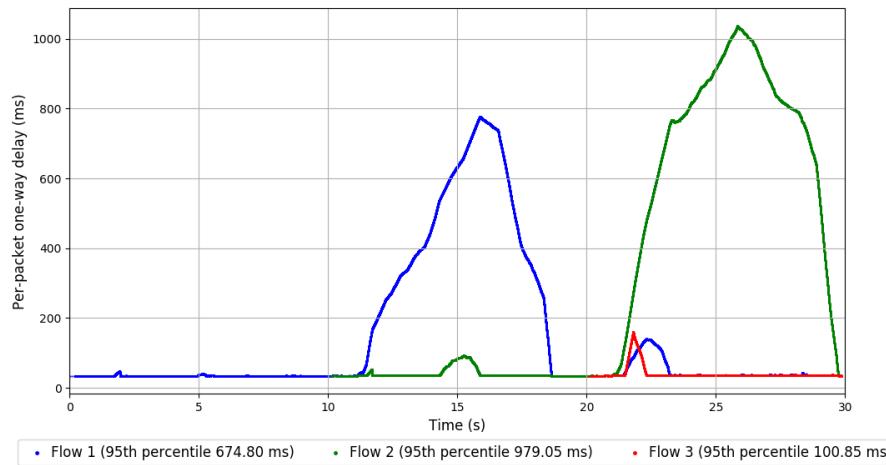
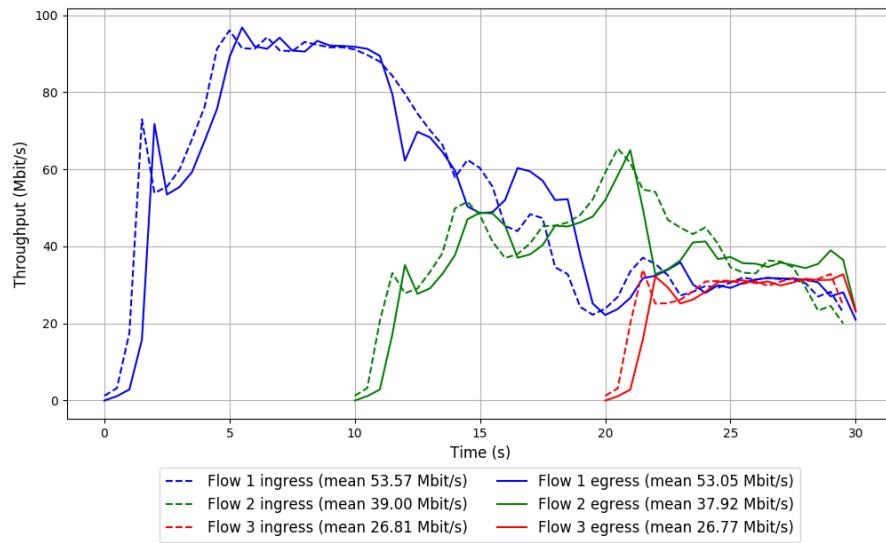


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-11-30 16:01:10
End at: 2018-11-30 16:01:40
Local clock offset: 3.456 ms
Remote clock offset: -2.391 ms

# Below is generated by plot.py at 2018-11-30 17:31:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 811.968 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 674.797 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 979.055 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 100.848 ms
Loss rate: 0.82%
```

Run 2: Report of PCC-Vivace — Data Link

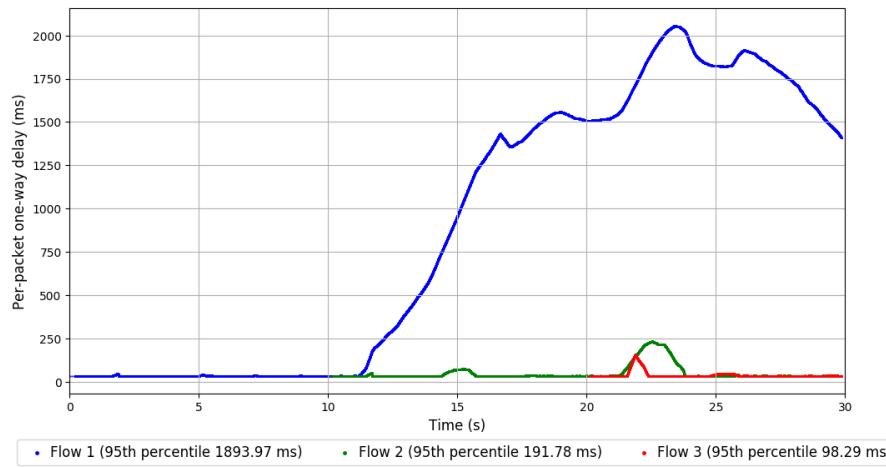
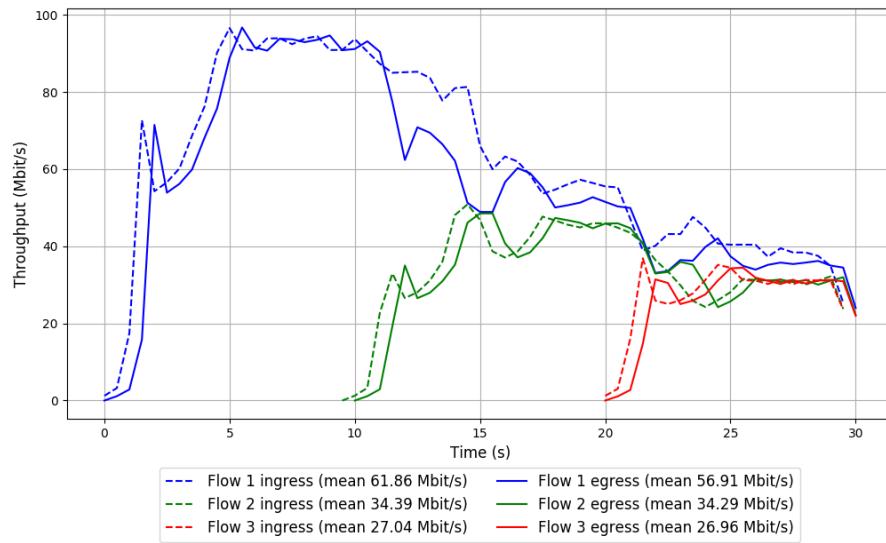


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-11-30 16:24:24
End at: 2018-11-30 16:24:54
Local clock offset: 4.705 ms
Remote clock offset: -1.287 ms

# Below is generated by plot.py at 2018-11-30 17:31:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 1841.027 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 1893.967 ms
Loss rate: 8.20%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 191.782 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 98.288 ms
Loss rate: 0.97%
```

Run 3: Report of PCC-Vivace — Data Link

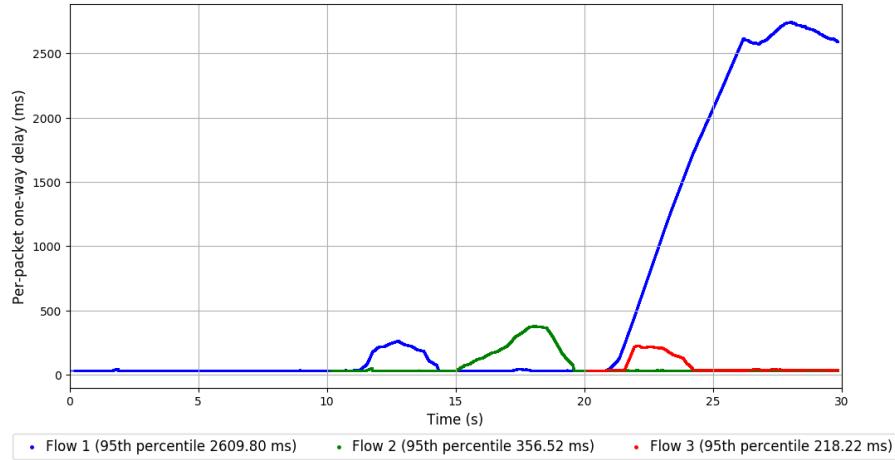
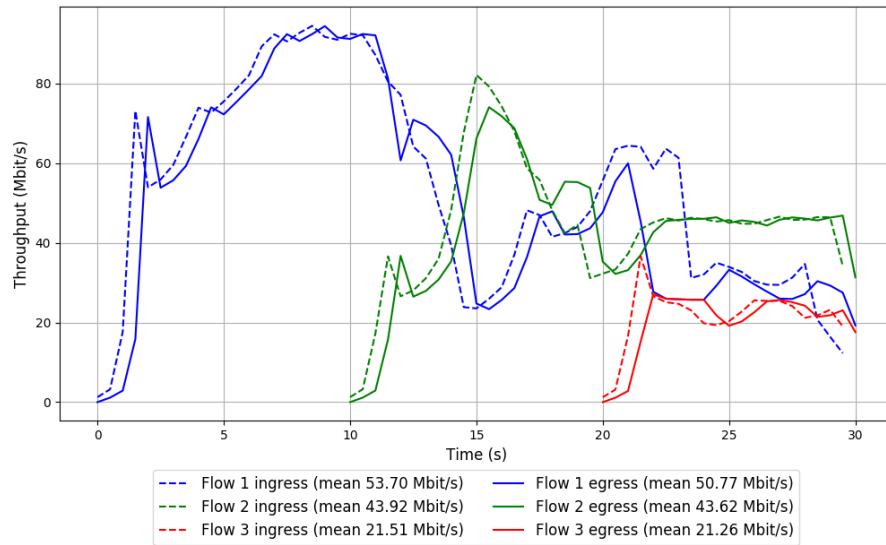


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-11-30 16:47:28
End at: 2018-11-30 16:47:58
Local clock offset: 4.883 ms
Remote clock offset: -0.67 ms

# Below is generated by plot.py at 2018-11-30 17:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 2147.511 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 50.77 Mbit/s
95th percentile per-packet one-way delay: 2609.797 ms
Loss rate: 5.65%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 356.516 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 218.220 ms
Loss rate: 1.78%
```

Run 4: Report of PCC-Vivace — Data Link

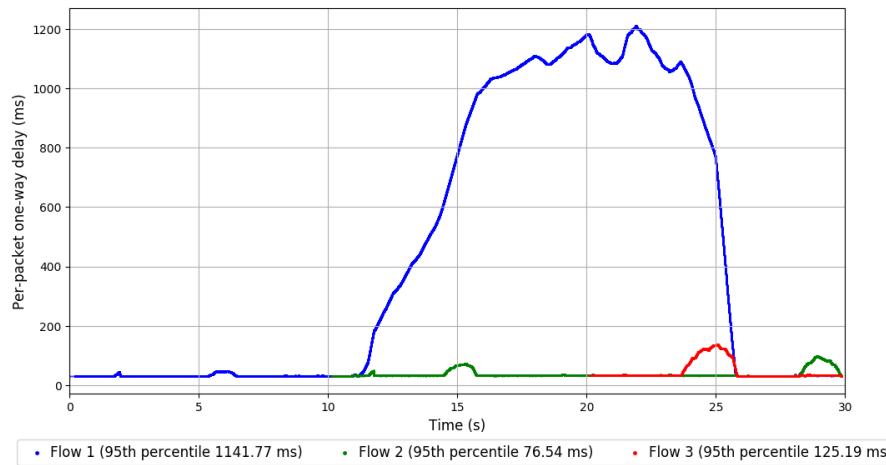
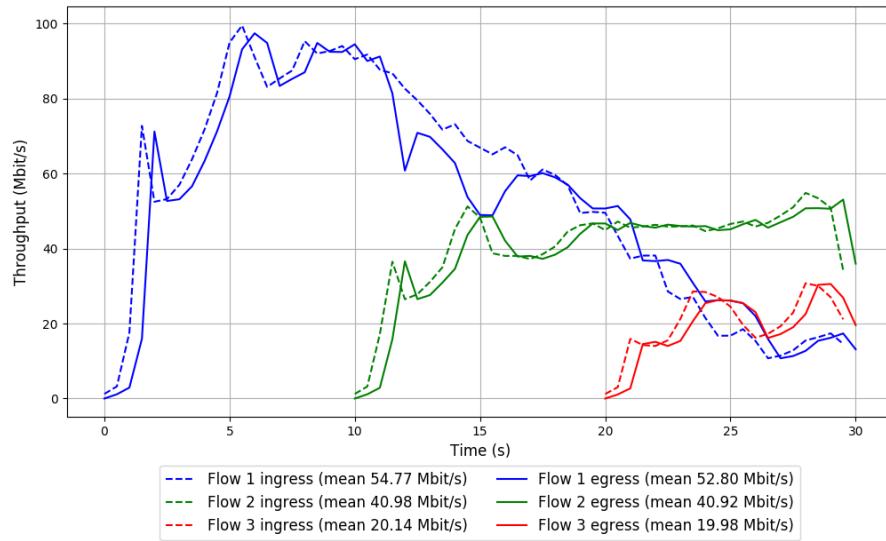


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-11-30 17:10:37
End at: 2018-11-30 17:11:07
Local clock offset: 3.17 ms
Remote clock offset: 2.212 ms

# Below is generated by plot.py at 2018-11-30 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 1109.056 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 1141.765 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 76.537 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 125.185 ms
Loss rate: 1.52%
```

Run 5: Report of PCC-Vivace — Data Link

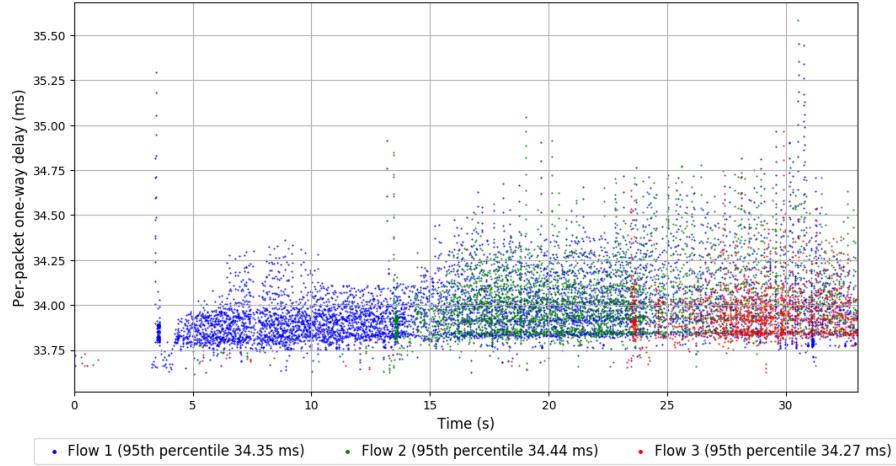
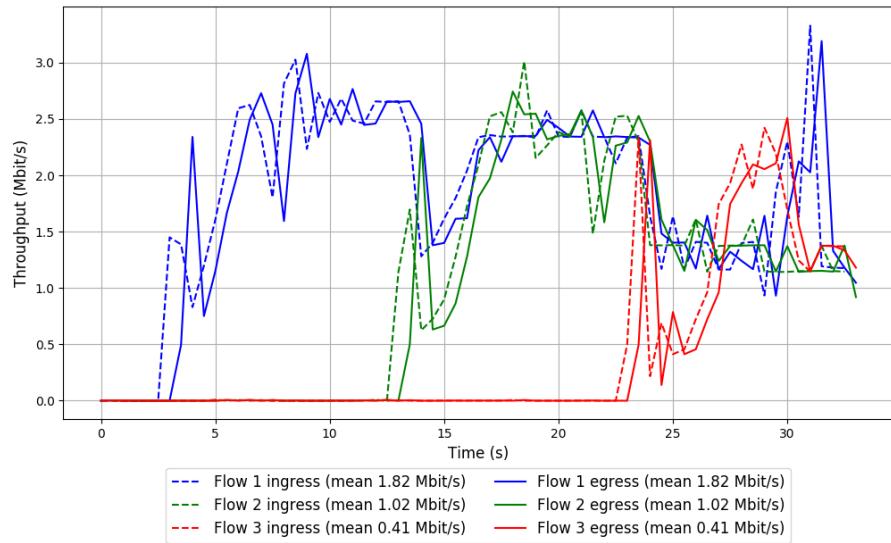


Run 1: Statistics of WebRTC media

```
Start at: 2018-11-30 15:36:22
End at: 2018-11-30 15:36:52
Local clock offset: 0.626 ms
Remote clock offset: -3.301 ms

# Below is generated by plot.py at 2018-11-30 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 34.369 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 34.348 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 34.444 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 34.275 ms
Loss rate: 0.84%
```

Run 1: Report of WebRTC media — Data Link

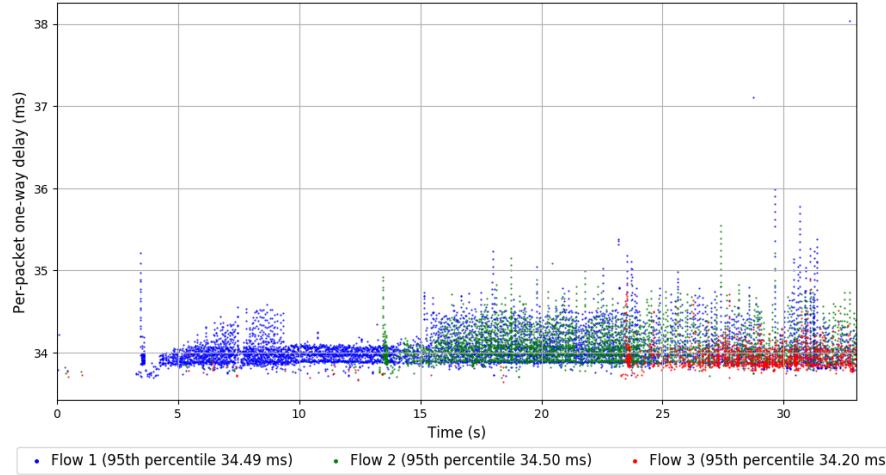
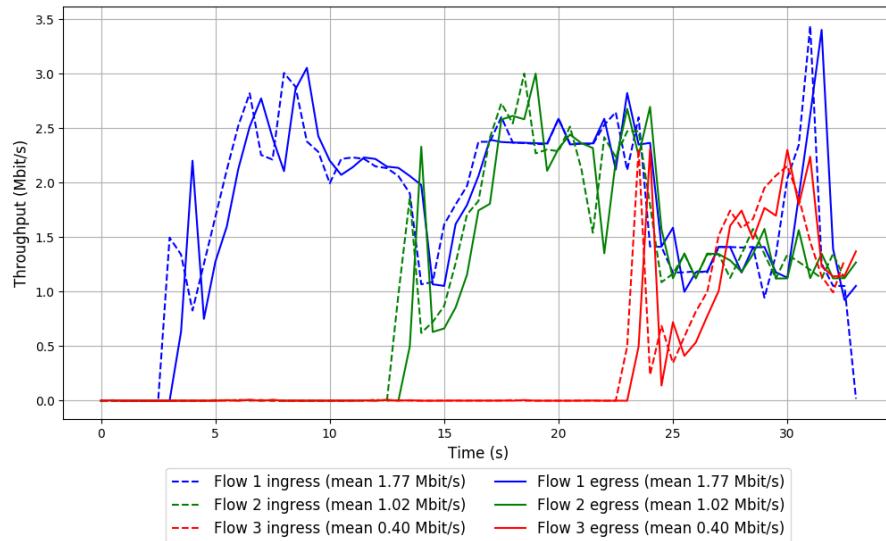


Run 2: Statistics of WebRTC media

```
Start at: 2018-11-30 16:00:01
End at: 2018-11-30 16:00:31
Local clock offset: 3.356 ms
Remote clock offset: -2.375 ms

# Below is generated by plot.py at 2018-11-30 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 34.479 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 34.489 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 34.501 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 34.203 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

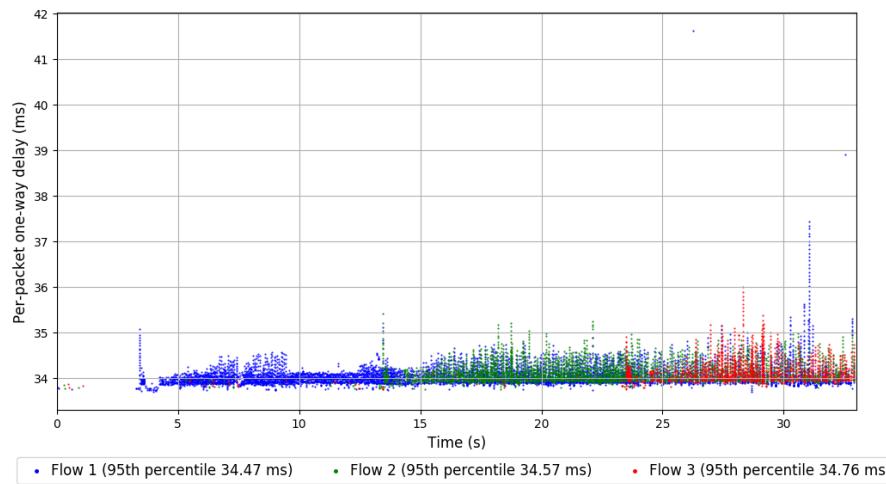
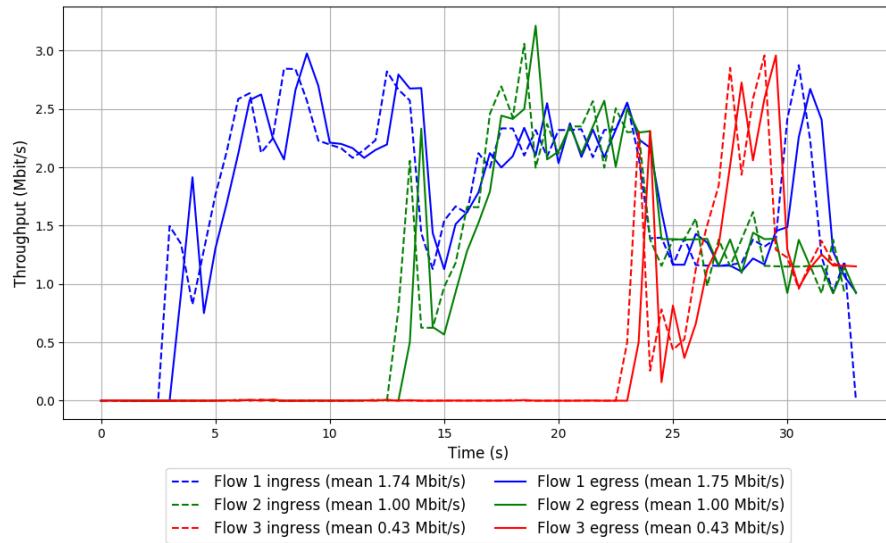


Run 3: Statistics of WebRTC media

```
Start at: 2018-11-30 16:23:15
End at: 2018-11-30 16:23:45
Local clock offset: 4.647 ms
Remote clock offset: -1.528 ms

# Below is generated by plot.py at 2018-11-30 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 34.551 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 34.466 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 34.570 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.755 ms
Loss rate: 0.82%
```

Run 3: Report of WebRTC media — Data Link

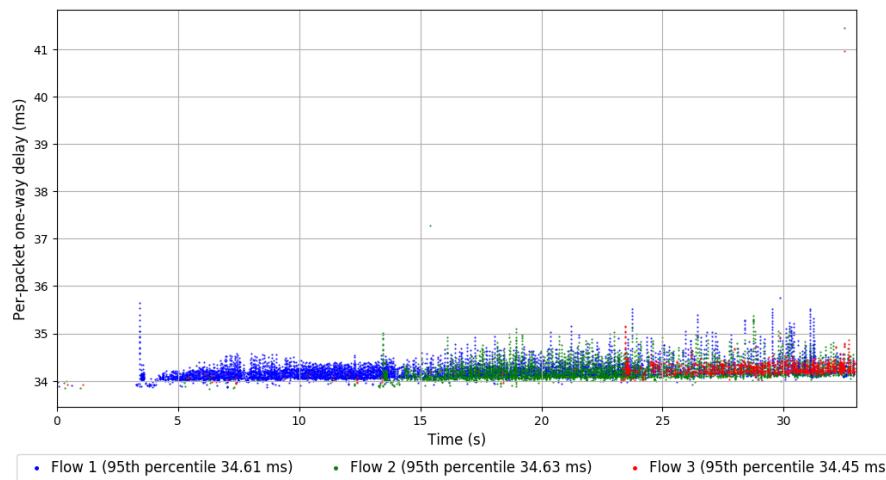
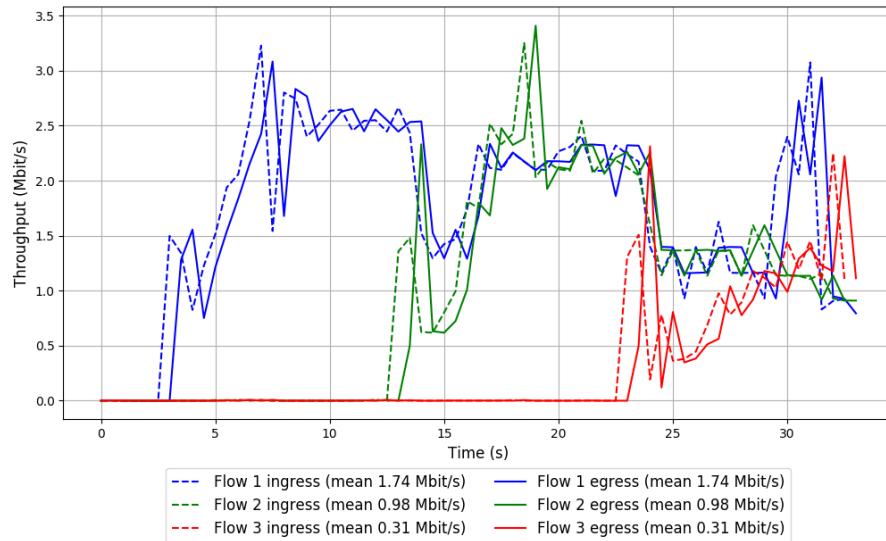


Run 4: Statistics of WebRTC media

```
Start at: 2018-11-30 16:46:20
End at: 2018-11-30 16:46:50
Local clock offset: 5.119 ms
Remote clock offset: -0.858 ms

# Below is generated by plot.py at 2018-11-30 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 34.609 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 34.609 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 34.634 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 34.449 ms
Loss rate: 0.74%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2018-11-30 17:09:29
End at: 2018-11-30 17:09:59
Local clock offset: 3.198 ms
Remote clock offset: 2.201 ms

# Below is generated by plot.py at 2018-11-30 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 31.958 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 31.864 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.142 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

