

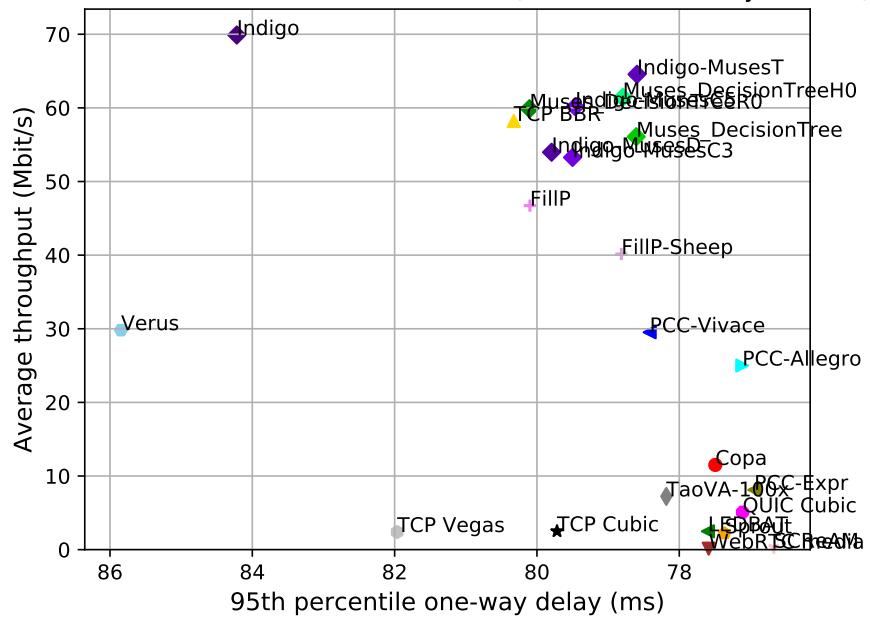
## Pantheon Report

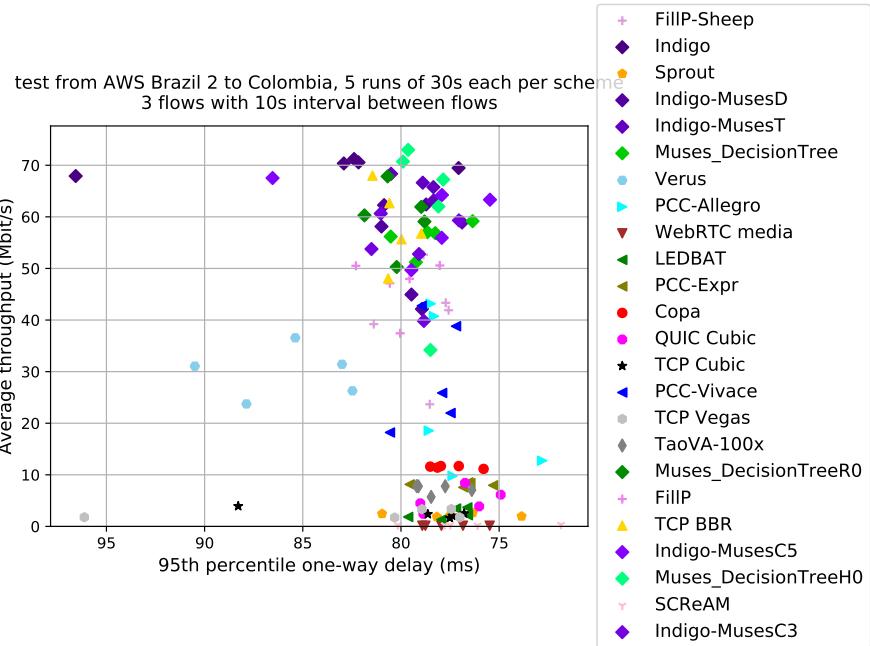
Generated at 2019-07-18 01:32:15 (UTC).  
Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*remote*).  
Repeated the test of 24 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
System info:  
Linux 4.15.0-1043-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec  
third_party/fillp @ d6da1459332fceef56963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966  
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

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

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





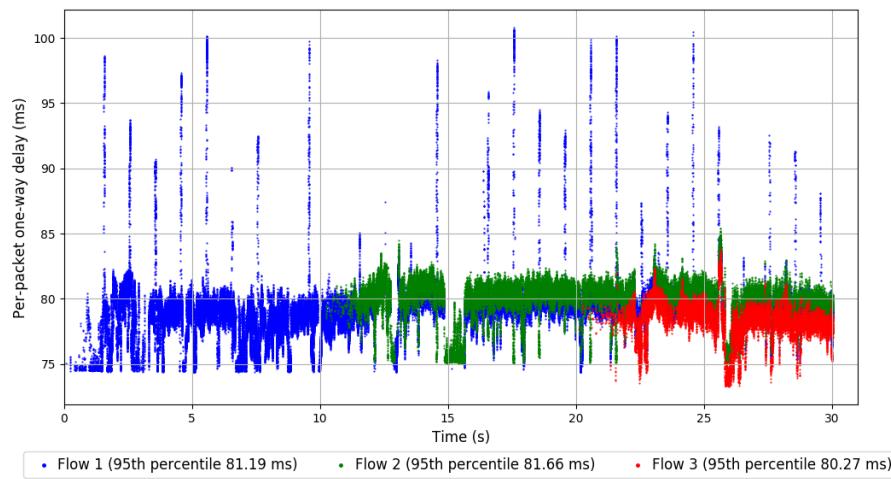
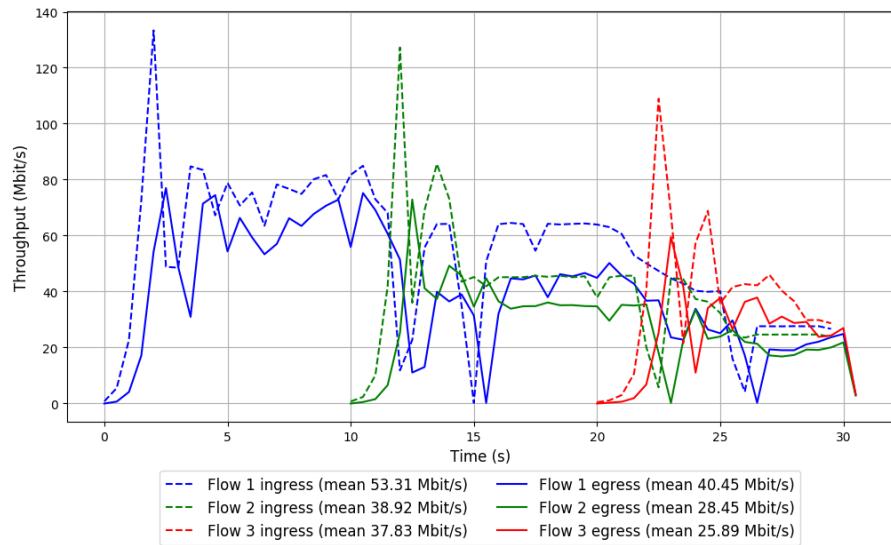
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	33.57	25.55	22.98	80.14	80.67	80.48	21.37	25.05	26.57
Copa	5	7.69	5.17	1.17	78.75	77.25	76.61	54.98	61.49	72.81
TCP Cubic	5	1.16	1.09	1.86	76.97	83.10	80.58	1.78	1.83	2.19
FillP	5	28.46	19.86	15.29	79.61	80.03	79.31	24.85	29.02	31.66
FillP-Sheep	5	27.08	12.54	14.27	78.93	77.84	77.61	13.51	15.58	18.77
Indigo	5	41.33	31.55	25.73	82.70	84.43	85.48	55.16	71.72	75.17
Indigo-MusesC3	5	39.15	16.29	12.50	79.33	78.28	79.80	13.44	11.21	11.80
Indigo-MusesC5	5	53.57	9.10	2.46	79.57	80.22	78.84	28.09	30.32	31.55
Indigo-MusesD	5	36.61	24.36	5.76	79.57	79.68	79.39	15.79	15.29	22.59
Indigo-MusesT	5	61.30	2.31	6.00	78.51	78.82	78.69	25.42	21.23	17.59
LEDBAT	5	1.32	1.23	1.08	78.73	77.25	77.75	3.30	2.86	3.77
Muses_DecisionTree	5	52.83	4.05	1.73	78.58	80.04	79.63	11.47	14.97	18.61
Muses_DecisionTreeH0	5	54.66	9.86	0.80	79.60	78.58	78.64	15.23	22.10	24.92
Muses_DecisionTreeR0	5	53.63	7.68	3.62	79.80	80.80	81.53	13.02	18.18	16.70
PCC-Allegro	5	18.64	4.82	9.56	76.81	77.60	78.38	3.65	3.95	5.15
PCC-Expr	5	0.01	9.32	5.85	74.68	76.95	78.74	85.71	20.95	36.23
QUIC Cubic	5	2.41	2.57	2.91	77.00	77.01	78.23	2.40	2.18	2.65
SCReAM	5	0.12	0.14	0.17	77.70	78.13	76.72	2.07	2.04	2.19
Sprout	5	1.18	1.06	0.99	78.22	76.10	78.18	5.01	5.14	6.97
TaoVA-100x	5	0.00	8.10	5.53	73.54	78.22	79.09	95.92	19.04	16.00
TCP Vegas	5	0.99	1.33	1.54	81.45	83.21	81.37	1.83	2.26	2.27
Verus	5	21.11	11.03	6.08	87.54	81.35	82.01	85.75	74.32	70.30
PCC-Vivace	5	20.85	11.27	3.58	78.07	78.22	78.52	4.28	4.93	4.68
WebRTC media	5	0.05	0.04	0.04	77.46	80.44	76.26	3.09	2.88	1.20

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-17 23:18:38
End at: 2019-07-17 23:19:08
Local clock offset: -7.671 ms
Remote clock offset: -1.604 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.00 Mbit/s
95th percentile per-packet one-way delay: 81.450 ms
Loss rate: 25.92%
-- Flow 1:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 81.191 ms
Loss rate: 24.11%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 81.663 ms
Loss rate: 26.91%
-- Flow 3:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 80.265 ms
Loss rate: 31.57%
```

## Run 1: Report of TCP BBR — Data Link

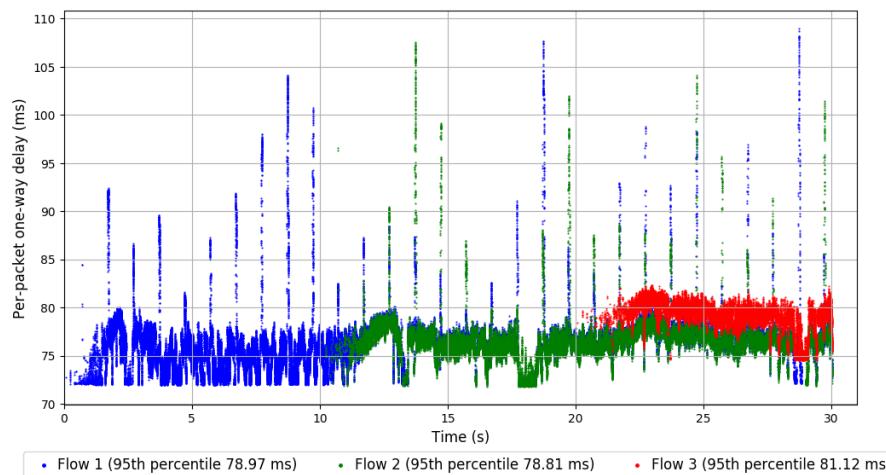
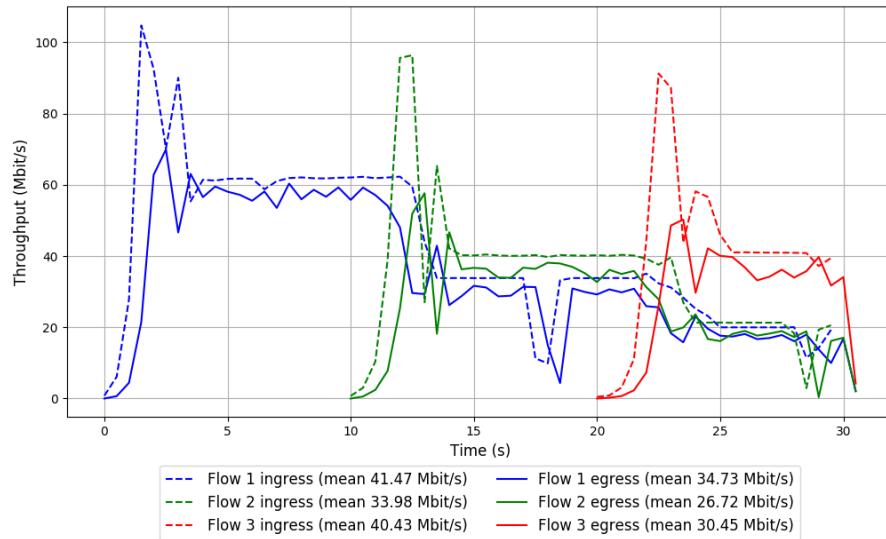


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-17 23:49:14
End at: 2019-07-17 23:49:44
Local clock offset: -6.41 ms
Remote clock offset: -3.863 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.65 Mbit/s
95th percentile per-packet one-way delay: 80.586 ms
Loss rate: 19.21%
-- Flow 1:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 78.968 ms
Loss rate: 16.25%
-- Flow 2:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 78.814 ms
Loss rate: 21.38%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 81.120 ms
Loss rate: 24.71%
```

## Run 2: Report of TCP BBR — Data Link

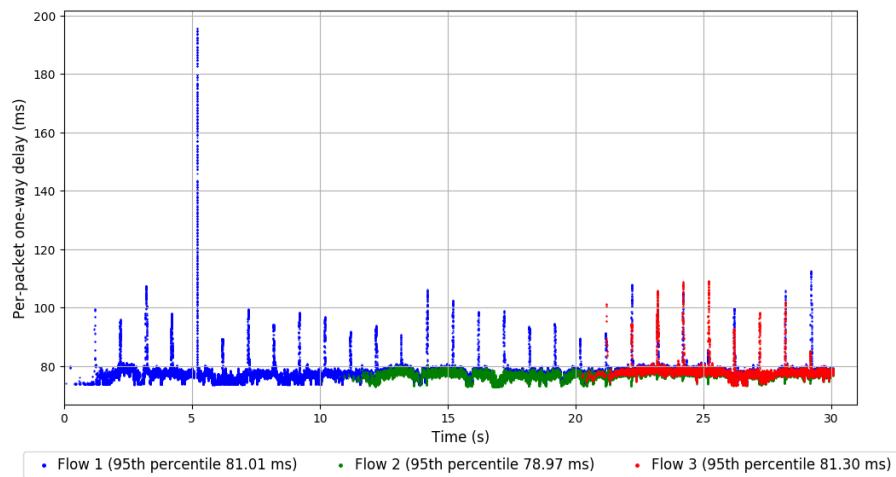
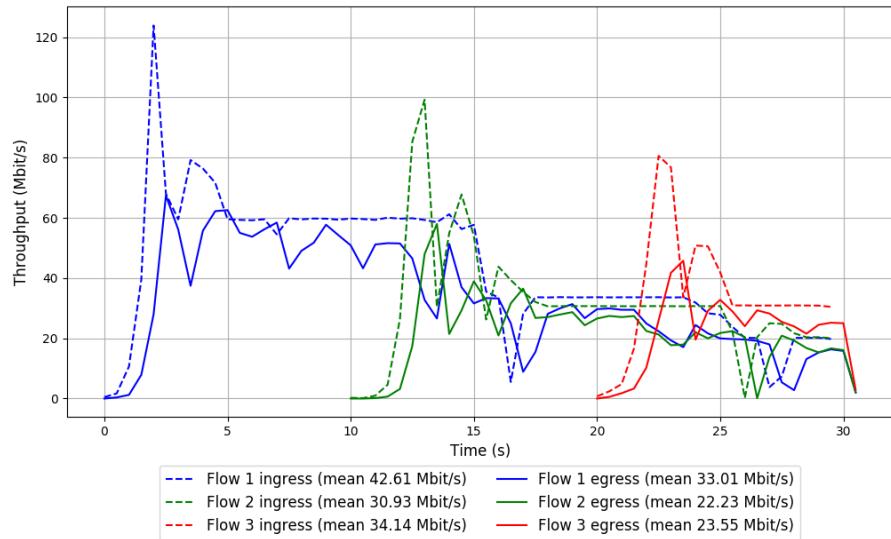


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-18 00:19:21
End at: 2019-07-18 00:19:51
Local clock offset: -3.124 ms
Remote clock offset: -5.243 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 79.973 ms
Loss rate: 25.36%
-- Flow 1:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 81.007 ms
Loss rate: 22.53%
-- Flow 2:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 78.965 ms
Loss rate: 28.10%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 81.299 ms
Loss rate: 31.01%
```

### Run 3: Report of TCP BBR — Data Link

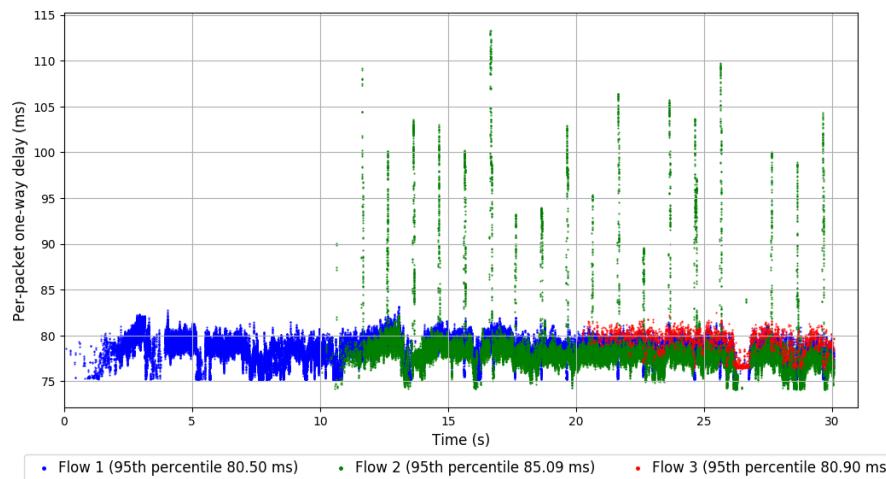
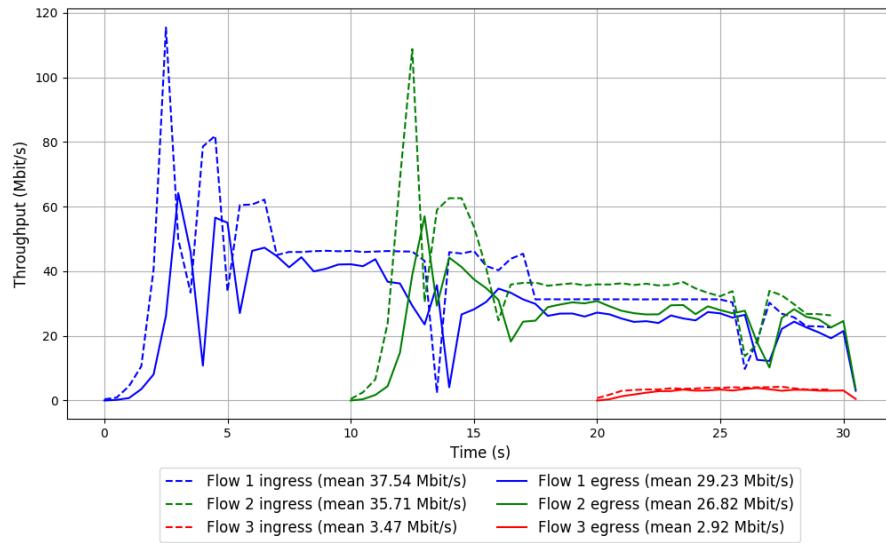


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-18 00:50:12
End at: 2019-07-18 00:50:42
Local clock offset: -2.826 ms
Remote clock offset: -7.857 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 80.652 ms
Loss rate: 23.08%
-- Flow 1:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 80.501 ms
Loss rate: 22.15%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 85.095 ms
Loss rate: 24.89%
-- Flow 3:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 80.897 ms
Loss rate: 15.93%
```

### Run 4: Report of TCP BBR — Data Link

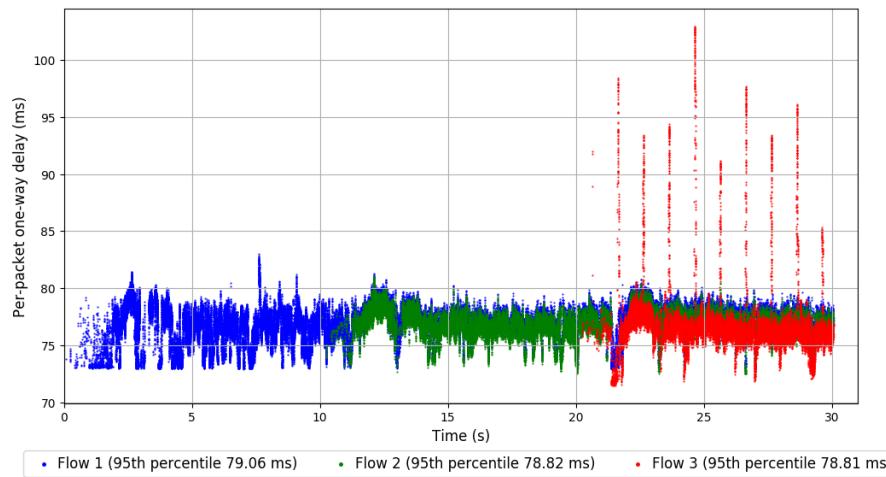
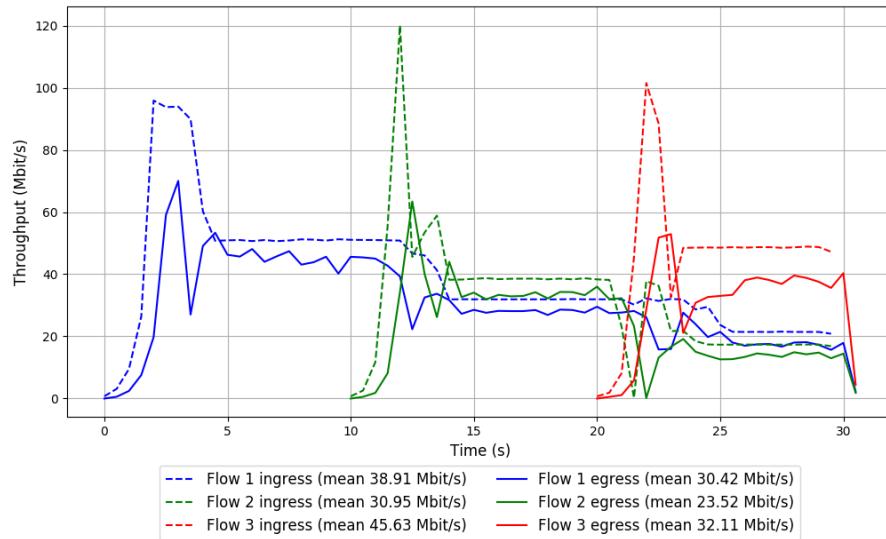


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-18 01:20:32
End at: 2019-07-18 01:21:02
Local clock offset: -7.398 ms
Remote clock offset: -9.613 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 78.965 ms
Loss rate: 24.00%
-- Flow 1:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 79.057 ms
Loss rate: 21.81%
-- Flow 2:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 78.821 ms
Loss rate: 23.99%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 78.809 ms
Loss rate: 29.63%
```

### Run 5: Report of TCP BBR — Data Link

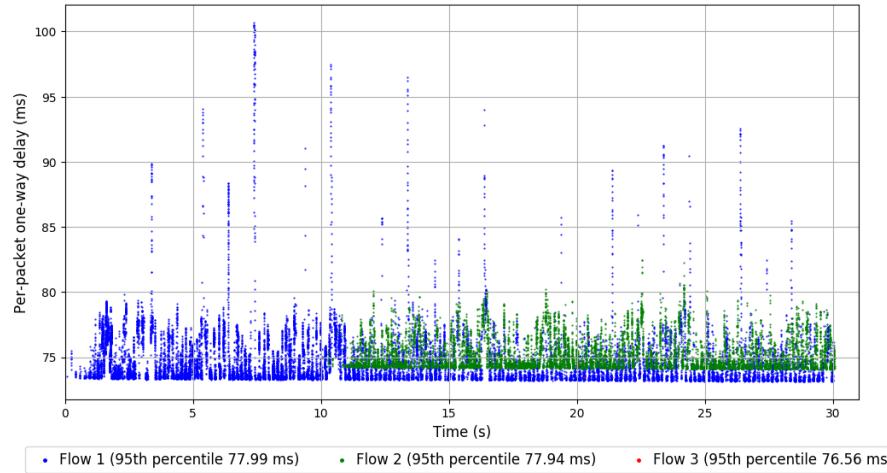
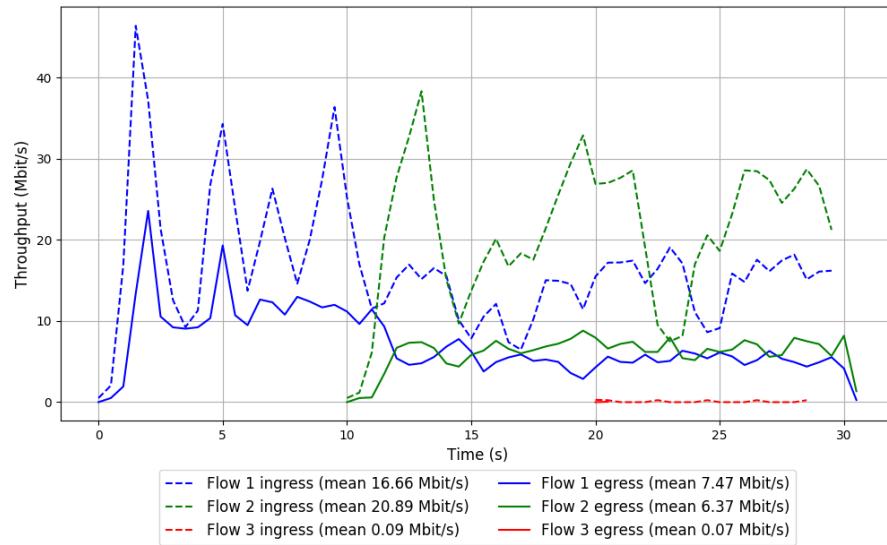


Run 1: Statistics of Copa

```
Start at: 2019-07-17 23:09:43
End at: 2019-07-17 23:10:13
Local clock offset: -7.896 ms
Remote clock offset: -5.516 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 77.968 ms
Loss rate: 61.74%
-- Flow 1:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 77.991 ms
Loss rate: 55.17%
-- Flow 2:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 77.936 ms
Loss rate: 69.52%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 76.557 ms
Loss rate: 96.64%
```

## Run 1: Report of Copa — Data Link

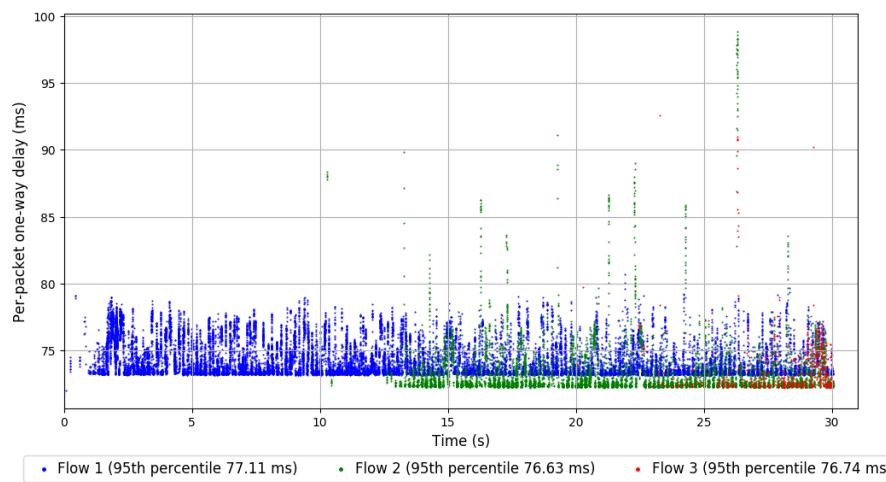
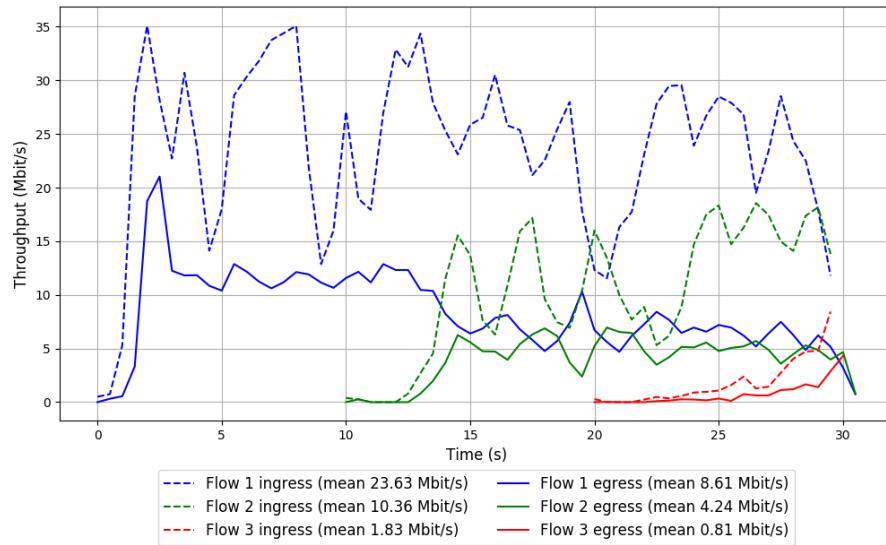


Run 2: Statistics of Copa

```
Start at: 2019-07-17 23:40:20
End at: 2019-07-17 23:40:50
Local clock offset: -6.548 ms
Remote clock offset: -0.385 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 77.056 ms
Loss rate: 62.43%
-- Flow 1:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 77.115 ms
Loss rate: 63.58%
-- Flow 2:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 76.629 ms
Loss rate: 59.07%
-- Flow 3:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 76.738 ms
Loss rate: 55.99%
```

## Run 2: Report of Copa — Data Link

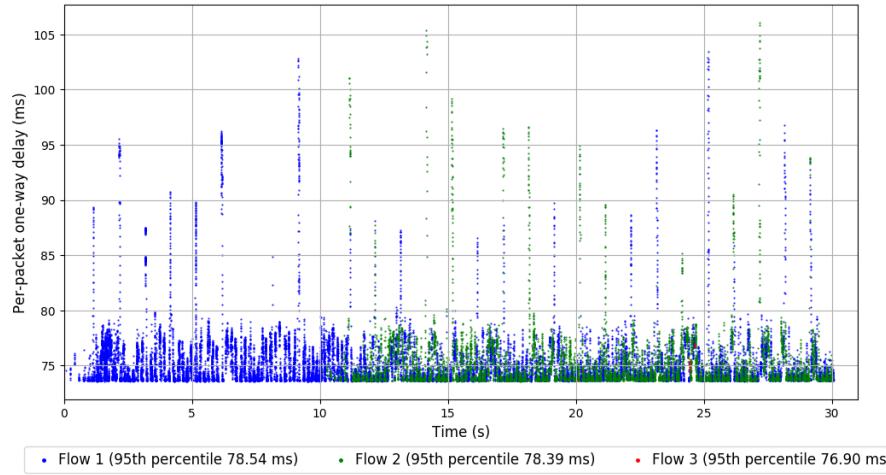
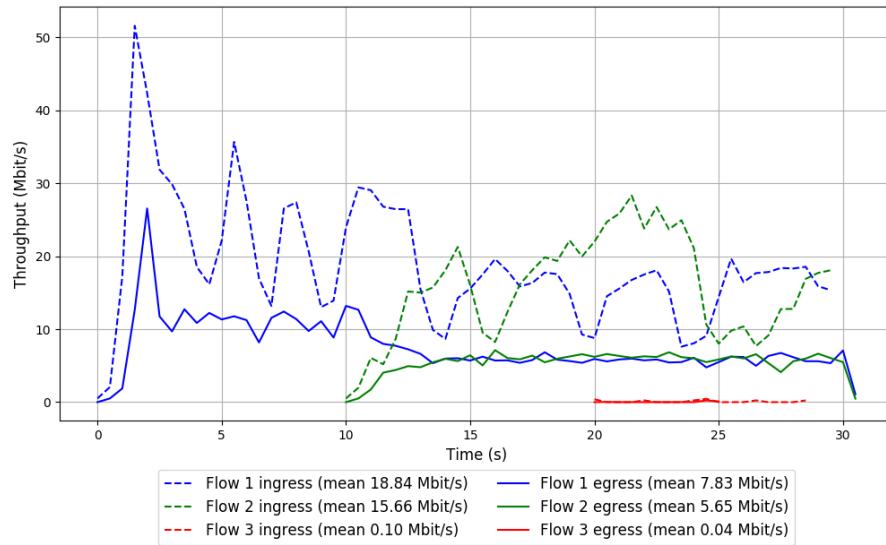


Run 3: Statistics of Copa

```
Start at: 2019-07-18 00:10:29
End at: 2019-07-18 00:10:59
Local clock offset: -3.584 ms
Remote clock offset: -3.902 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 78.508 ms
Loss rate: 60.41%
-- Flow 1:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 78.542 ms
Loss rate: 58.43%
-- Flow 2:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 78.390 ms
Loss rate: 63.95%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 76.901 ms
Loss rate: 79.91%
```

### Run 3: Report of Copa — Data Link

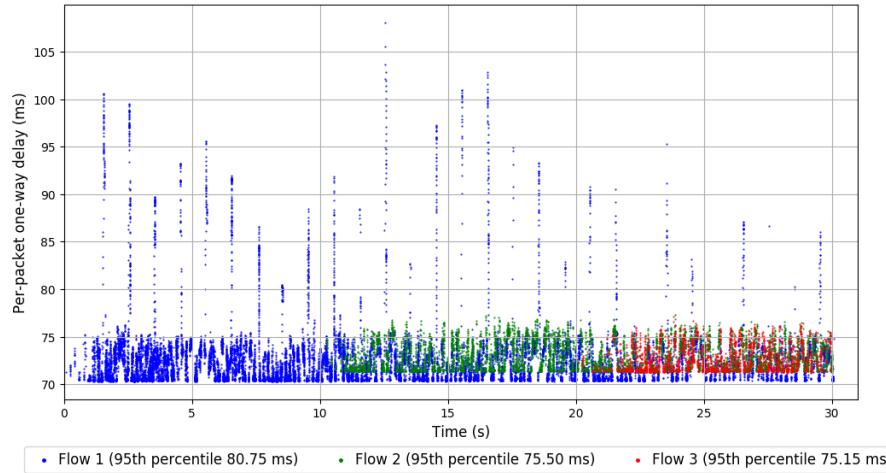
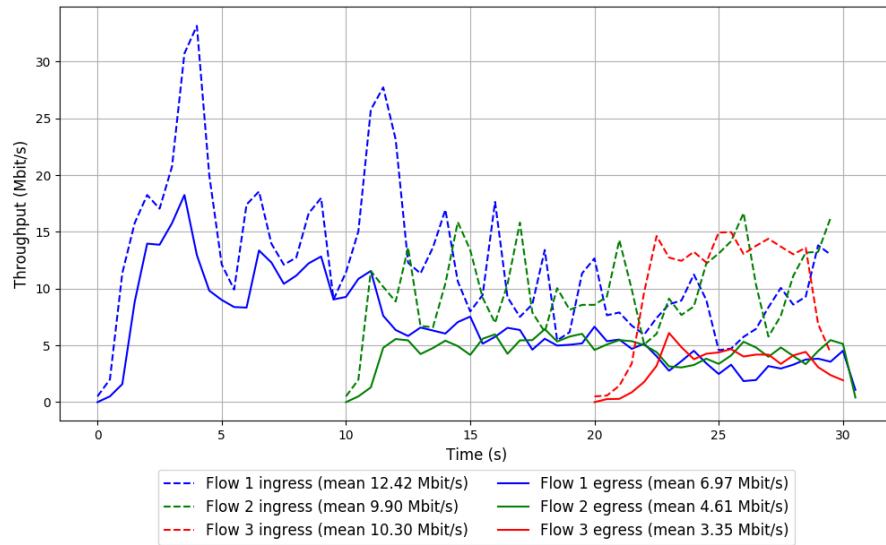


Run 4: Statistics of Copa

```
Start at: 2019-07-18 00:41:04
End at: 2019-07-18 00:41:34
Local clock offset: -2.315 ms
Remote clock offset: -10.644 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 75.793 ms
Loss rate: 50.27%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 80.747 ms
Loss rate: 43.89%
-- Flow 2:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 75.498 ms
Loss rate: 53.41%
-- Flow 3:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 75.151 ms
Loss rate: 67.53%
```

## Run 4: Report of Copa — Data Link

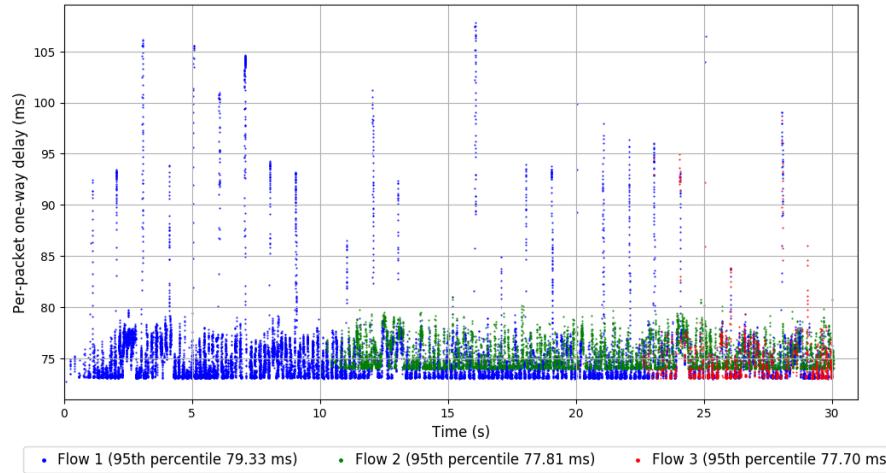
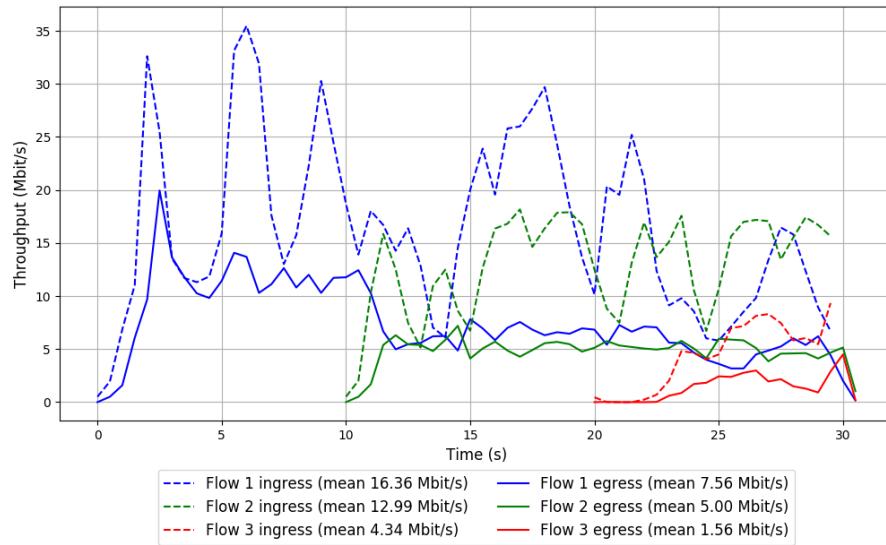


Run 5: Statistics of Copa

```
Start at: 2019-07-18 01:11:34
End at: 2019-07-18 01:12:04
Local clock offset: -5.856 ms
Remote clock offset: -7.234 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 78.145 ms
Loss rate: 56.88%
-- Flow 1:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 79.334 ms
Loss rate: 53.82%
-- Flow 2:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 77.811 ms
Loss rate: 61.48%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 77.702 ms
Loss rate: 63.98%
```

## Run 5: Report of Copa — Data Link

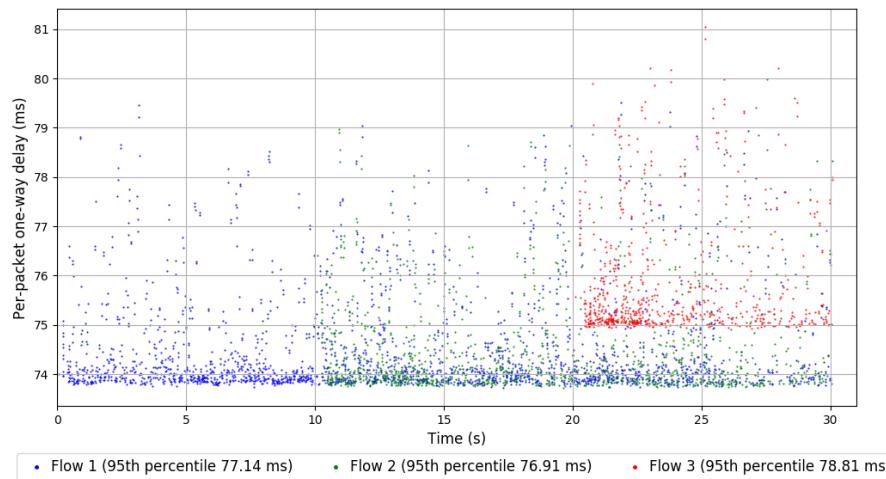
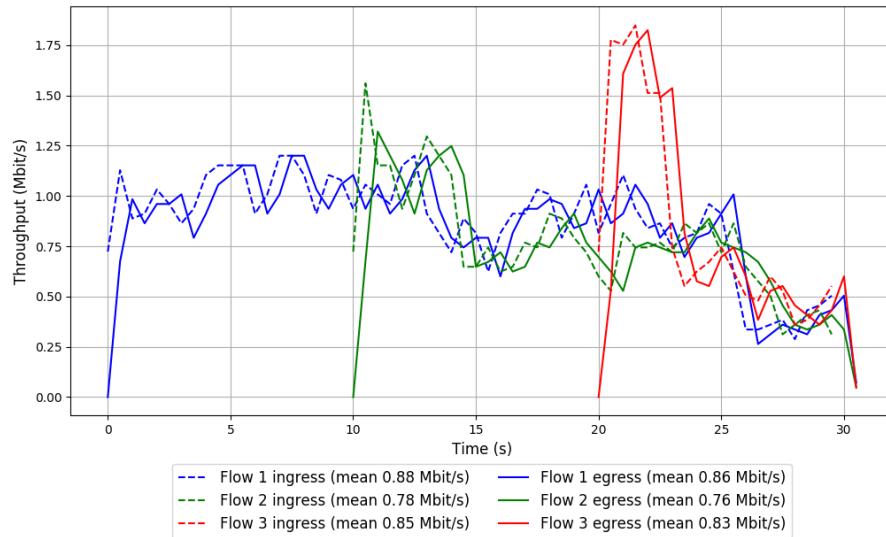


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-17 22:52:14
End at: 2019-07-17 22:52:44
Local clock offset: -7.189 ms
Remote clock offset: -6.747 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 77.510 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 77.143 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 76.913 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 78.808 ms
Loss rate: 2.69%
```

Run 1: Report of TCP Cubic — Data Link

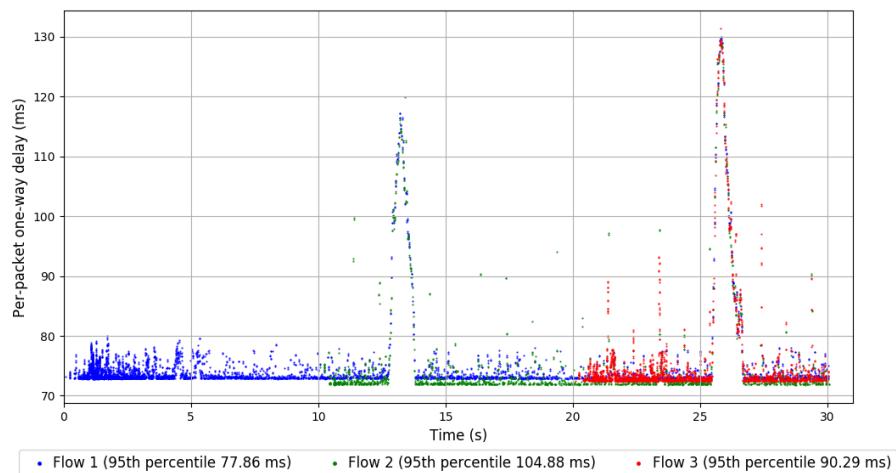
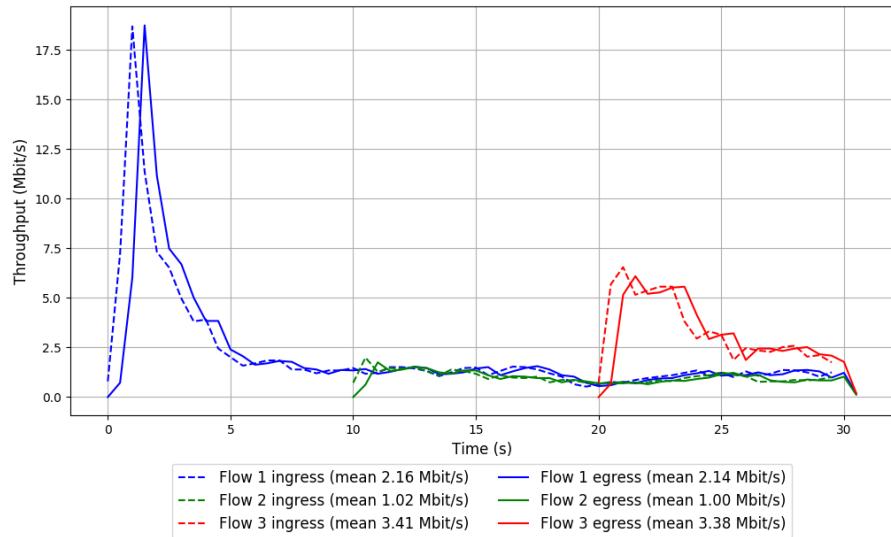


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-17 23:22:35
End at: 2019-07-17 23:23:05
Local clock offset: -7.699 ms
Remote clock offset: -2.899 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 88.289 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 77.856 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 104.883 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 90.286 ms
Loss rate: 0.92%
```

## Run 2: Report of TCP Cubic — Data Link

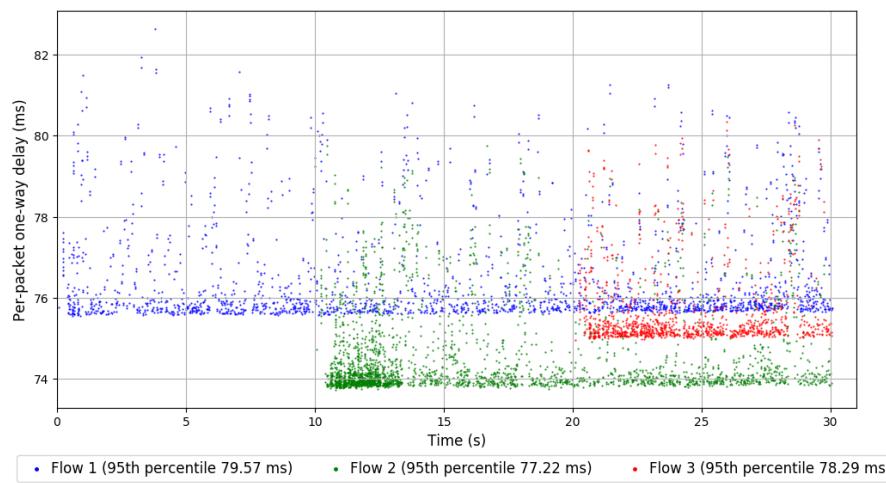
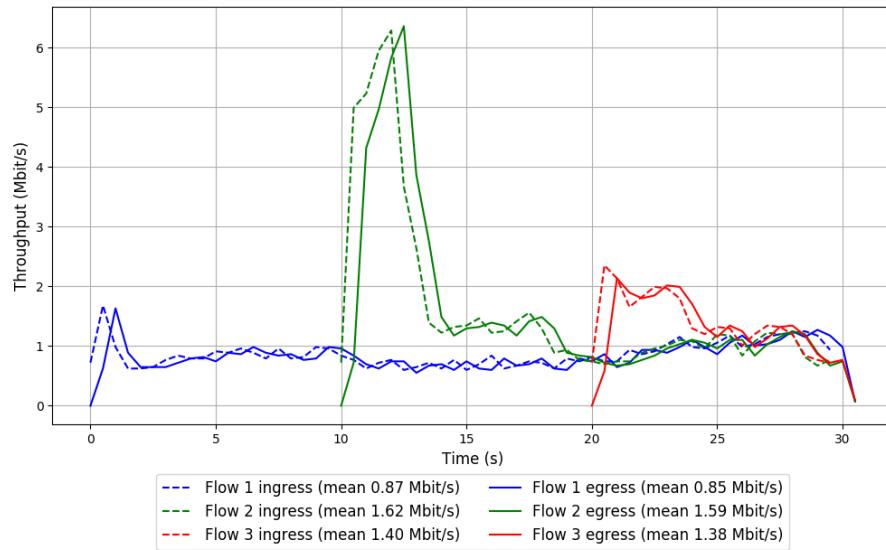


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-17 23:53:02
End at: 2019-07-17 23:53:32
Local clock offset: -6.578 ms
Remote clock offset: -4.532 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 78.631 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 79.572 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 77.221 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 78.286 ms
Loss rate: 1.89%
```

Run 3: Report of TCP Cubic — Data Link

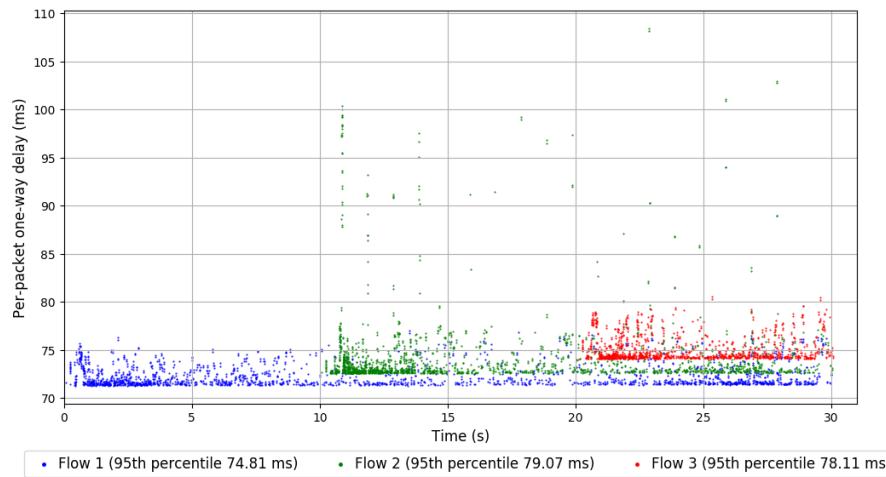
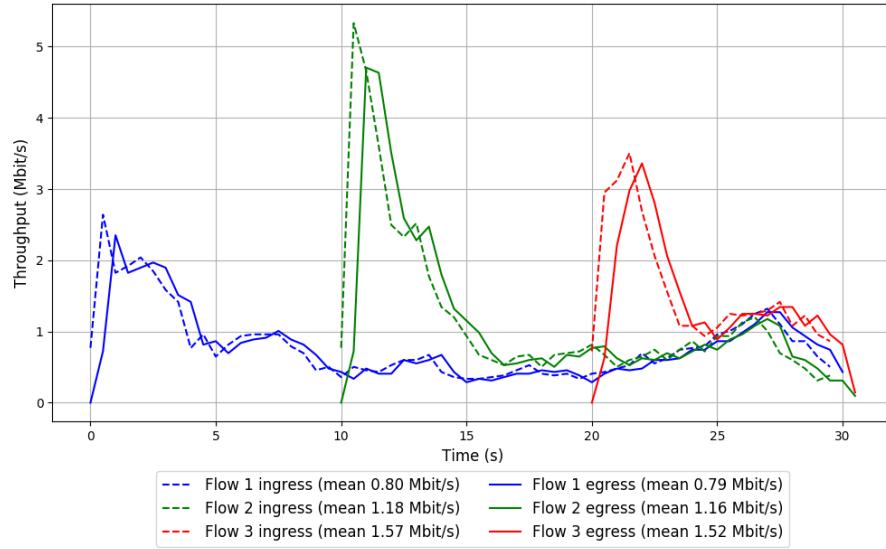


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-18 00:23:08
End at: 2019-07-18 00:23:38
Local clock offset: -3.19 ms
Remote clock offset: -7.569 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 77.376 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 74.812 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 79.070 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 78.105 ms
Loss rate: 2.99%
```

## Run 4: Report of TCP Cubic — Data Link

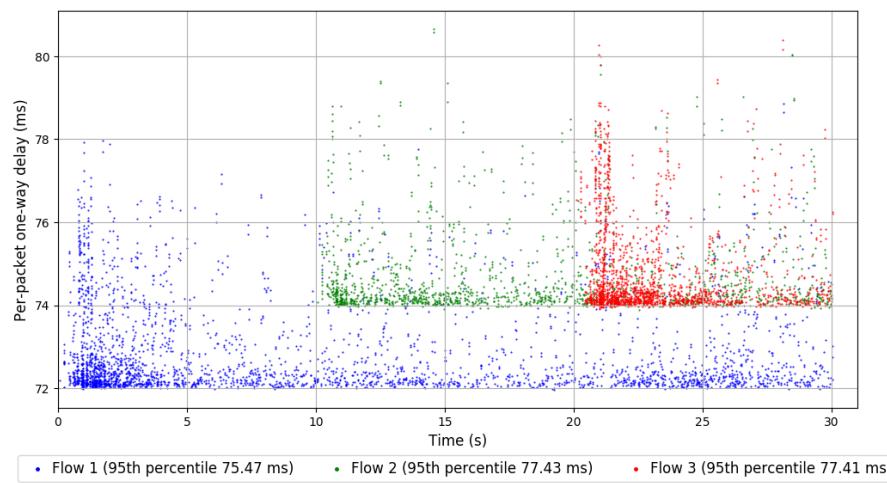
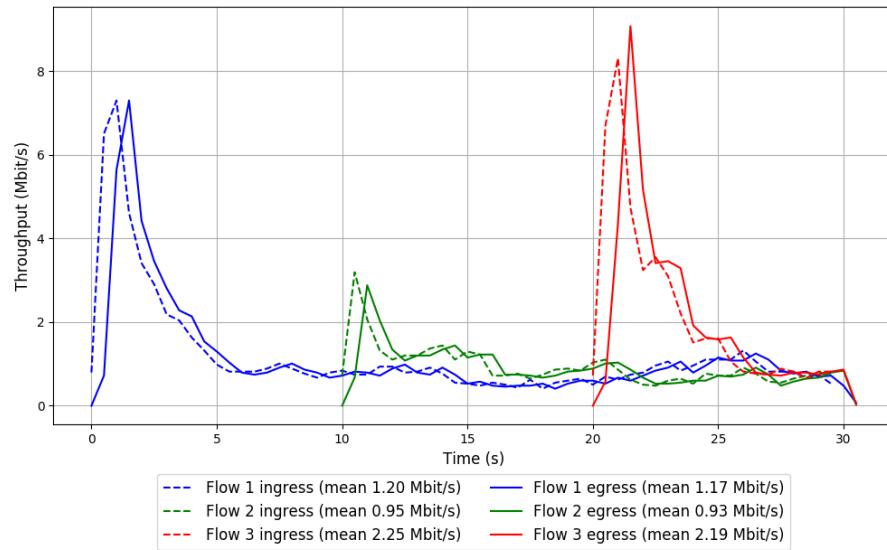


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-18 00:53:59
End at: 2019-07-18 00:54:29
Local clock offset: -2.75 ms
Remote clock offset: -9.239 ms

# Below is generated by plot.py at 2019-07-18 01:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 76.785 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 75.475 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 77.432 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 77.409 ms
Loss rate: 2.47%
```

Run 5: Report of TCP Cubic — Data Link

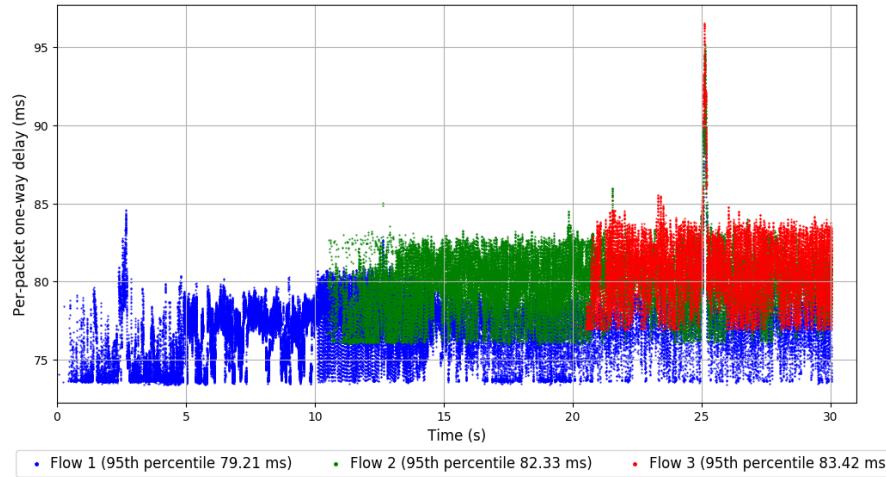
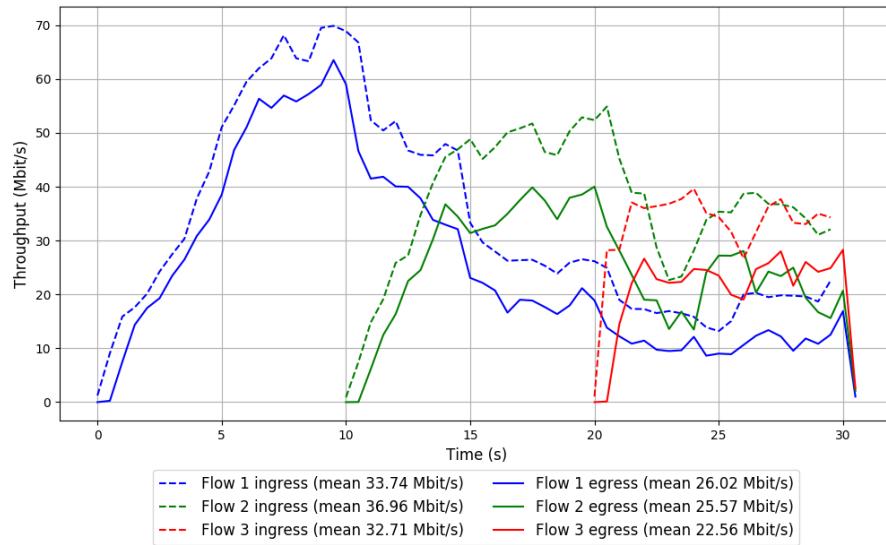


```
Run 1: Statistics of FillP

Start at: 2019-07-17 22:59:46
End at: 2019-07-17 23:00:16
Local clock offset: -7.772 ms
Remote clock offset: -5.791 ms

# Below is generated by plot.py at 2019-07-18 01:26:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.51 Mbit/s
95th percentile per-packet one-way delay: 82.296 ms
Loss rate: 26.98%
-- Flow 1:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 79.214 ms
Loss rate: 22.88%
-- Flow 2:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 82.331 ms
Loss rate: 30.82%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 83.415 ms
Loss rate: 31.03%
```

## Run 1: Report of FillP — Data Link

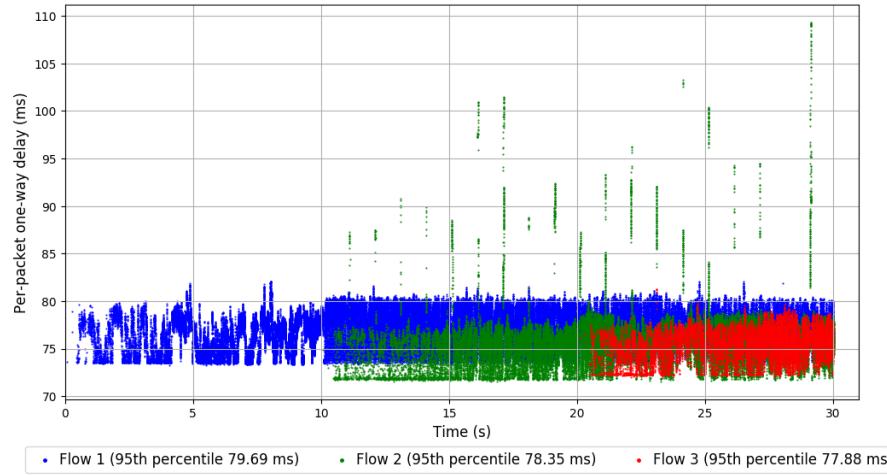
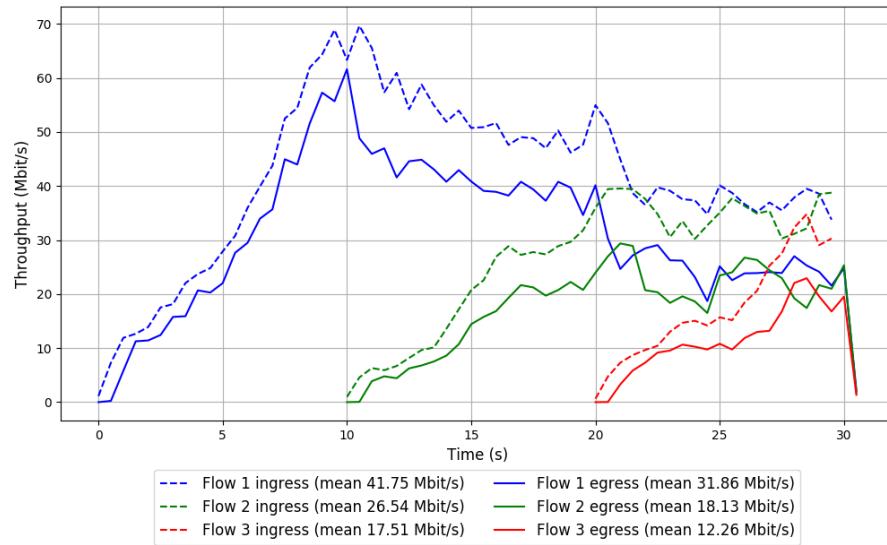


Run 2: Statistics of FillP

```
Start at: 2019-07-17 23:30:18
End at: 2019-07-17 23:30:48
Local clock offset: -6.539 ms
Remote clock offset: -1.594 ms

# Below is generated by plot.py at 2019-07-18 01:26:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 79.564 ms
Loss rate: 26.42%
-- Flow 1:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 79.691 ms
Loss rate: 23.69%
-- Flow 2:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 78.354 ms
Loss rate: 31.69%
-- Flow 3:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 77.878 ms
Loss rate: 29.95%
```

## Run 2: Report of FillP — Data Link

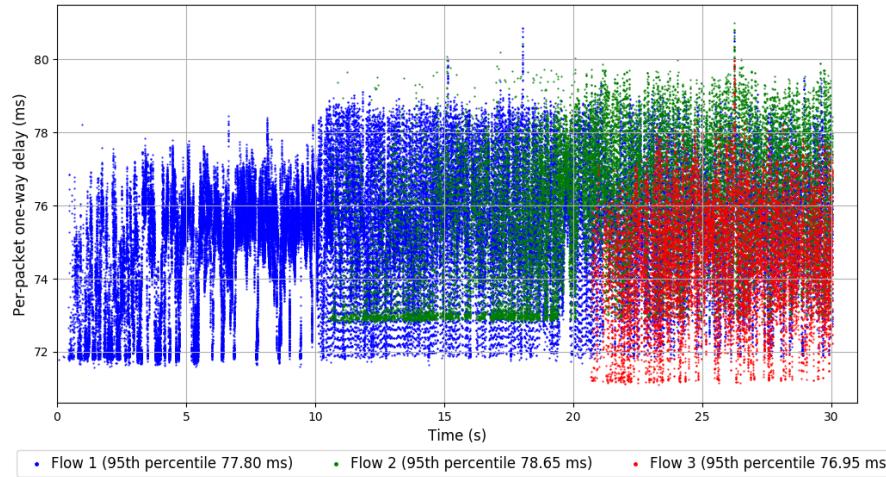
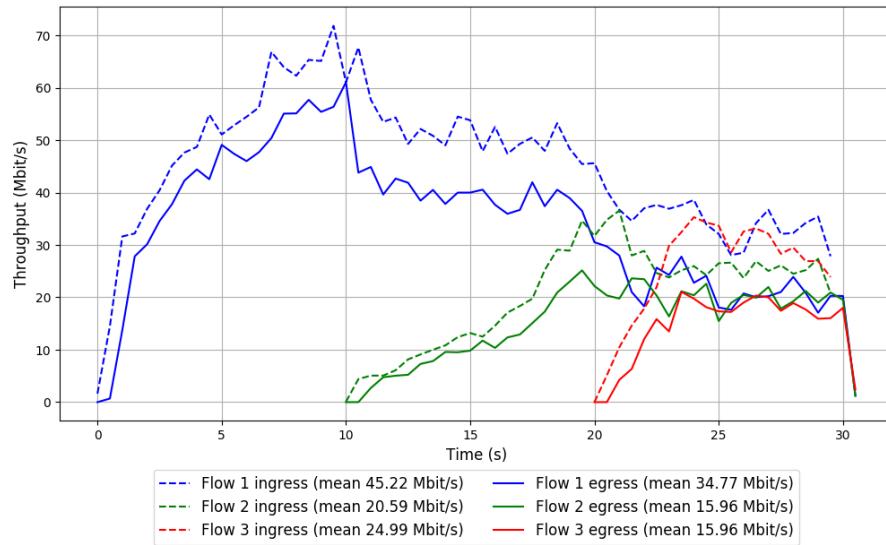


```
Run 3: Statistics of FillP
```

```
Start at: 2019-07-18 00:00:34
End at: 2019-07-18 00:01:04
Local clock offset: -4.706 ms
Remote clock offset: -5.514 ms

# Below is generated by plot.py at 2019-07-18 01:26:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.57 Mbit/s
95th percentile per-packet one-way delay: 78.023 ms
Loss rate: 24.74%
-- Flow 1:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 77.795 ms
Loss rate: 23.09%
-- Flow 2:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 78.654 ms
Loss rate: 22.47%
-- Flow 3:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 76.949 ms
Loss rate: 37.45%
```

### Run 3: Report of FillP — Data Link

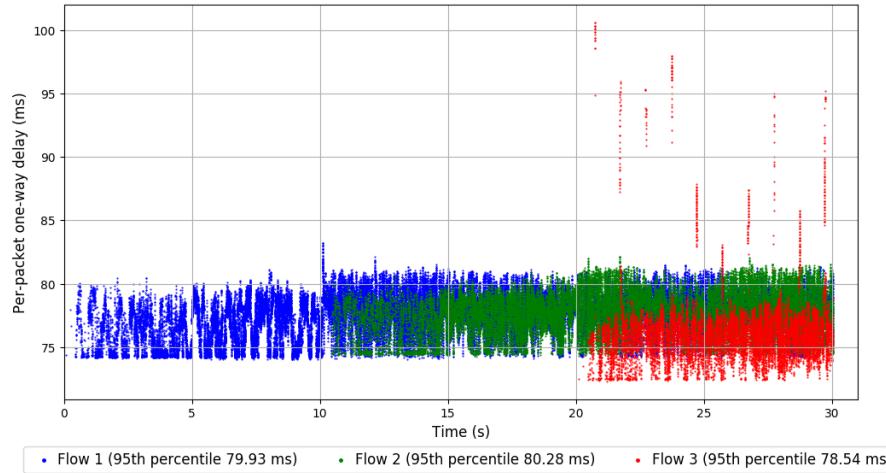
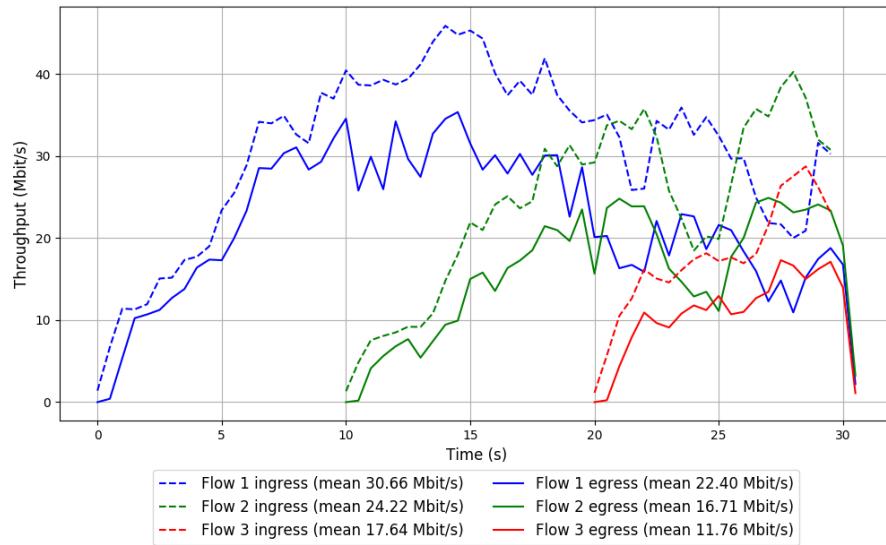


```
Run 4: Statistics of FillP
```

```
Start at: 2019-07-18 00:30:45
End at: 2019-07-18 00:31:15
Local clock offset: -2.672 ms
Remote clock offset: -7.836 ms

# Below is generated by plot.py at 2019-07-18 01:26:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 80.042 ms
Loss rate: 28.87%
-- Flow 1:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 79.927 ms
Loss rate: 26.91%
-- Flow 2:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 80.284 ms
Loss rate: 31.00%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 78.542 ms
Loss rate: 33.27%
```

Run 4: Report of FillP — Data Link

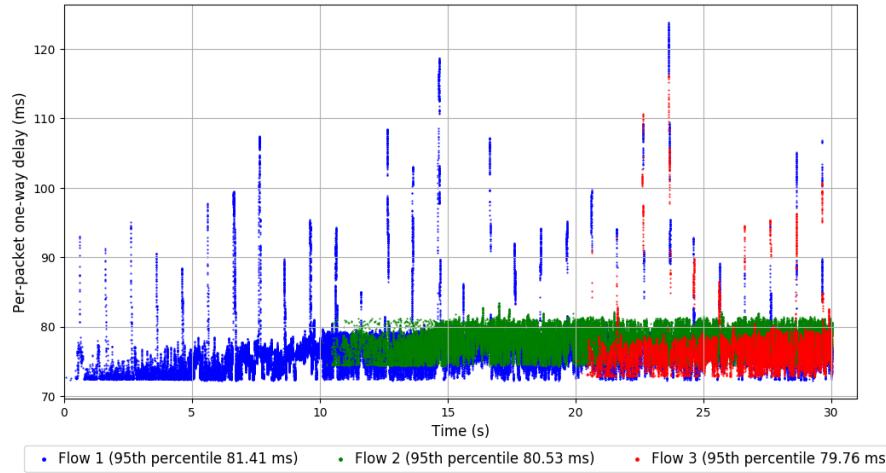
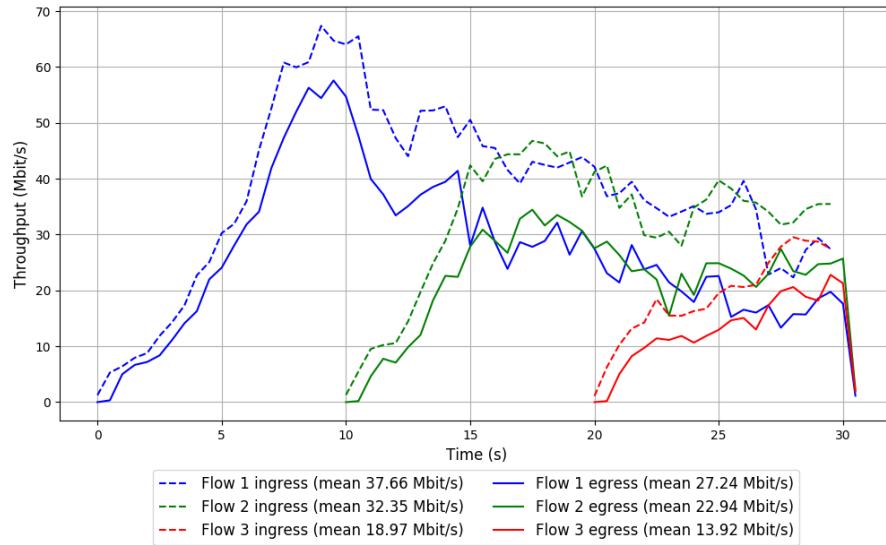


```
Run 5: Statistics of FillP
```

```
Start at: 2019-07-18 01:01:37
End at: 2019-07-18 01:02:07
Local clock offset: -5.362 ms
Remote clock offset: -8.94 ms

# Below is generated by plot.py at 2019-07-18 01:26:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 80.571 ms
Loss rate: 28.03%
-- Flow 1:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 81.406 ms
Loss rate: 27.66%
-- Flow 2:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 80.534 ms
Loss rate: 29.10%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 79.762 ms
Loss rate: 26.61%
```

## Run 5: Report of FillP — Data Link

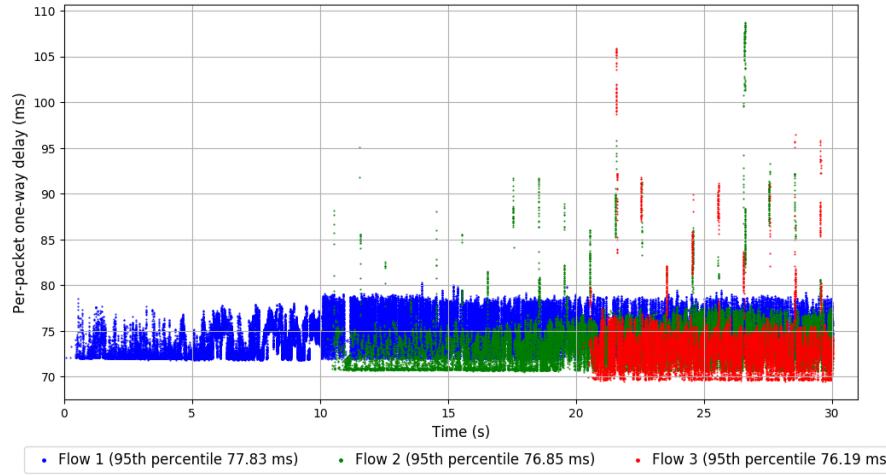
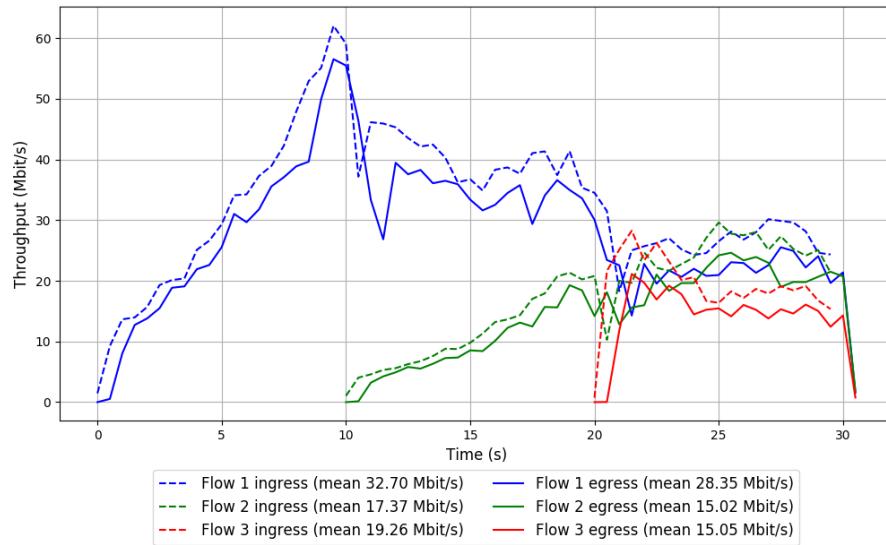


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-07-17 23:11:02
End at: 2019-07-17 23:11:32
Local clock offset: -6.895 ms
Remote clock offset: -6.708 ms

# Below is generated by plot.py at 2019-07-18 01:26:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 77.720 ms
Loss rate: 14.43%
-- Flow 1:
Average throughput: 28.35 Mbit/s
95th percentile per-packet one-way delay: 77.835 ms
Loss rate: 13.29%
-- Flow 2:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 76.847 ms
Loss rate: 13.56%
-- Flow 3:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 76.191 ms
Loss rate: 21.86%
```

Run 1: Report of FillP-Sheep — Data Link

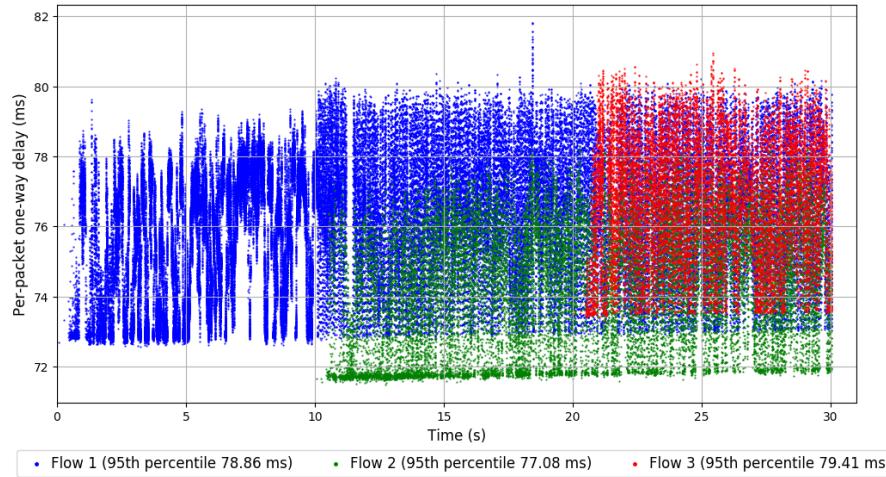
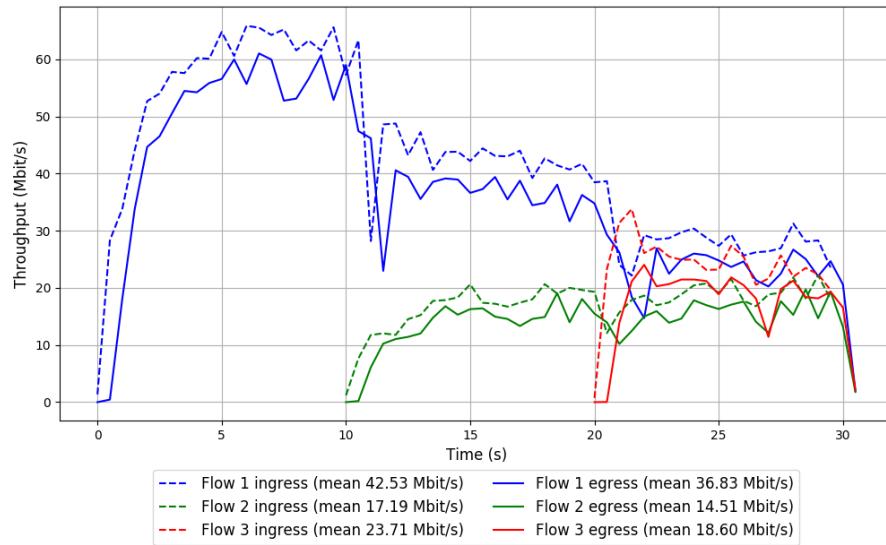


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-17 23:41:34
End at: 2019-07-17 23:42:04
Local clock offset: -6.513 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2019-07-18 01:26:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 78.855 ms
Loss rate: 14.84%
-- Flow 1:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 78.865 ms
Loss rate: 13.39%
-- Flow 2:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 77.075 ms
Loss rate: 15.61%
-- Flow 3:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 79.413 ms
Loss rate: 21.56%
```

## Run 2: Report of FillP-Sheep — Data Link

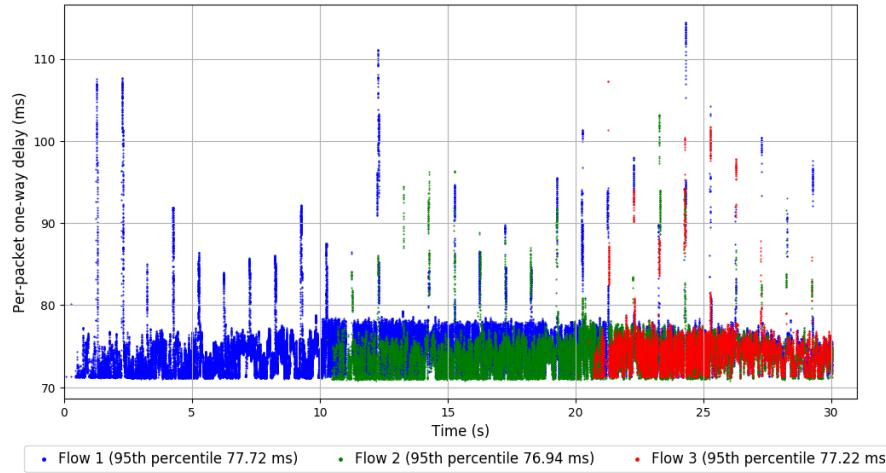
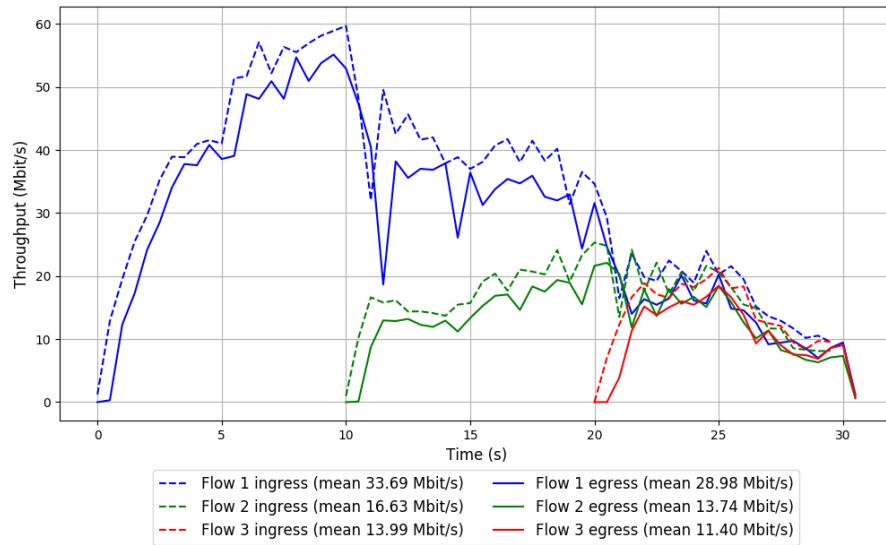


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-18 00:11:42
End at: 2019-07-18 00:12:12
Local clock offset: -3.519 ms
Remote clock offset: -5.694 ms

# Below is generated by plot.py at 2019-07-18 01:26:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.90 Mbit/s
95th percentile per-packet one-way delay: 77.574 ms
Loss rate: 15.16%
-- Flow 1:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 77.721 ms
Loss rate: 13.97%
-- Flow 2:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 76.941 ms
Loss rate: 17.38%
-- Flow 3:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 77.219 ms
Loss rate: 18.51%
```

### Run 3: Report of FillP-Sheep — Data Link

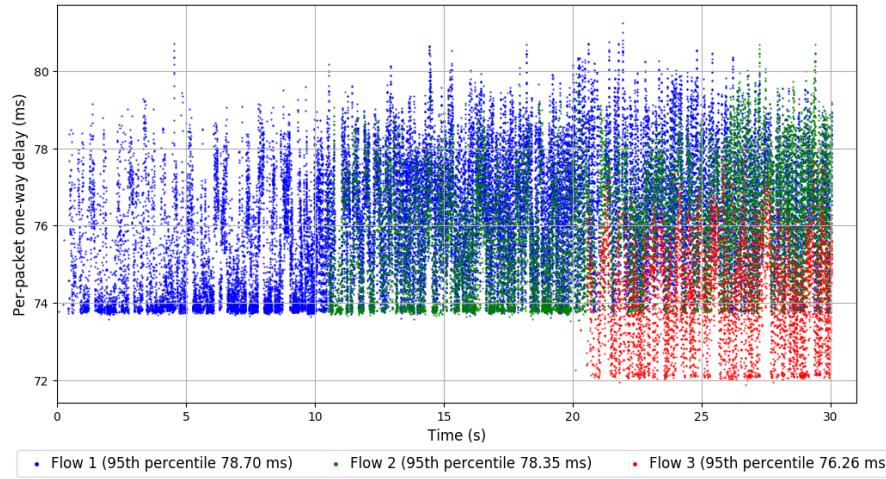
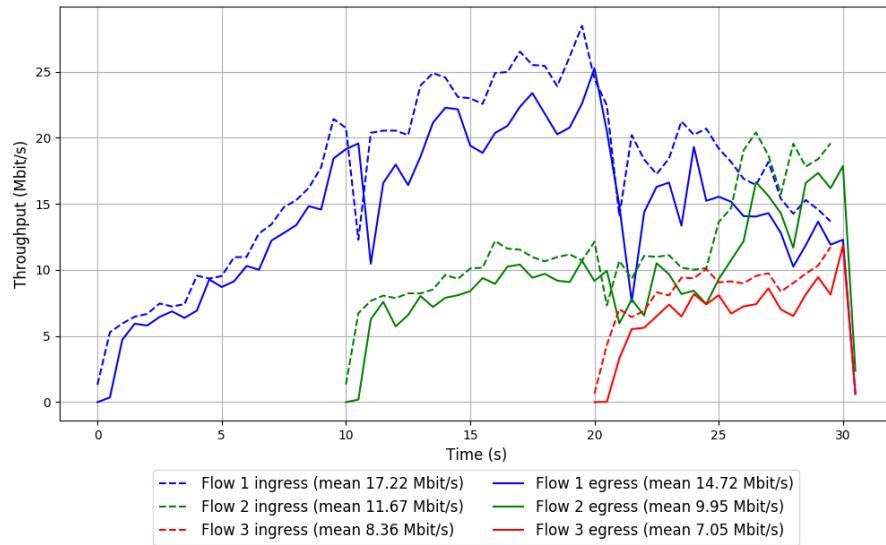


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-18 00:42:19
End at: 2019-07-18 00:42:49
Local clock offset: -3.071 ms
Remote clock offset: -9.49 ms

# Below is generated by plot.py at 2019-07-18 01:26:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 78.534 ms
Loss rate: 14.69%
-- Flow 1:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 78.699 ms
Loss rate: 14.52%
-- Flow 2:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 78.351 ms
Loss rate: 14.75%
-- Flow 3:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 76.263 ms
Loss rate: 15.63%
```

Run 4: Report of FillP-Sheep — Data Link

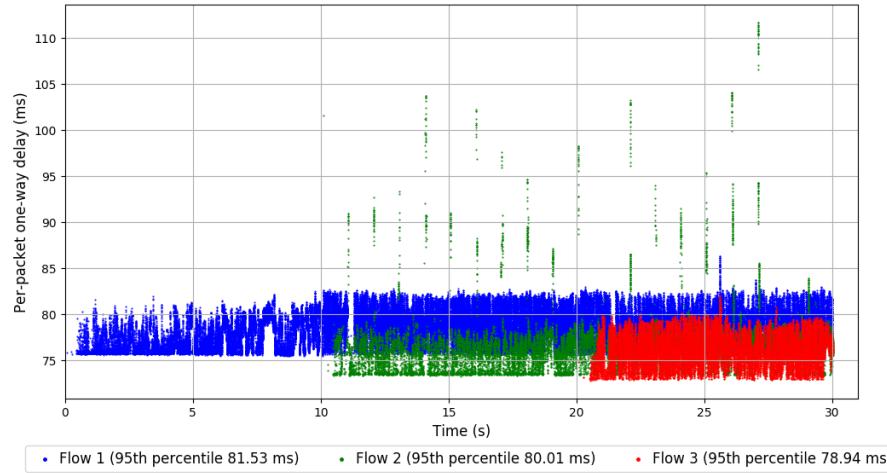
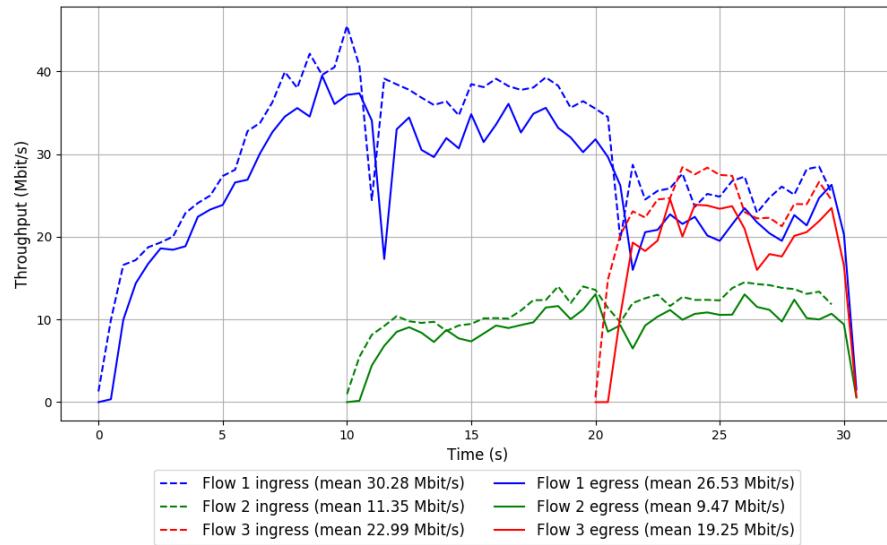


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-18 01:12:48
End at: 2019-07-18 01:13:18
Local clock offset: -6.827 ms
Remote clock offset: -7.367 ms

# Below is generated by plot.py at 2019-07-18 01:26:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 81.388 ms
Loss rate: 13.73%
-- Flow 1:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 81.527 ms
Loss rate: 12.37%
-- Flow 2:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 80.006 ms
Loss rate: 16.61%
-- Flow 3:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 78.942 ms
Loss rate: 16.29%
```

Run 5: Report of FillP-Sheep — Data Link

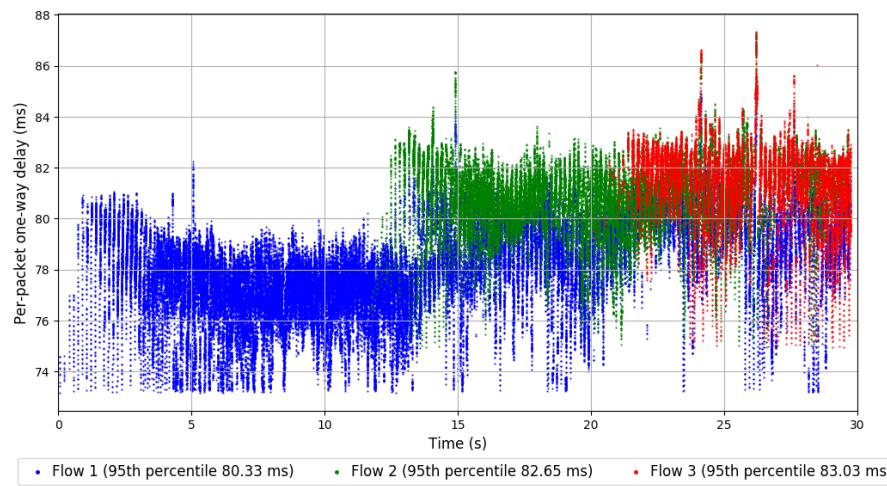
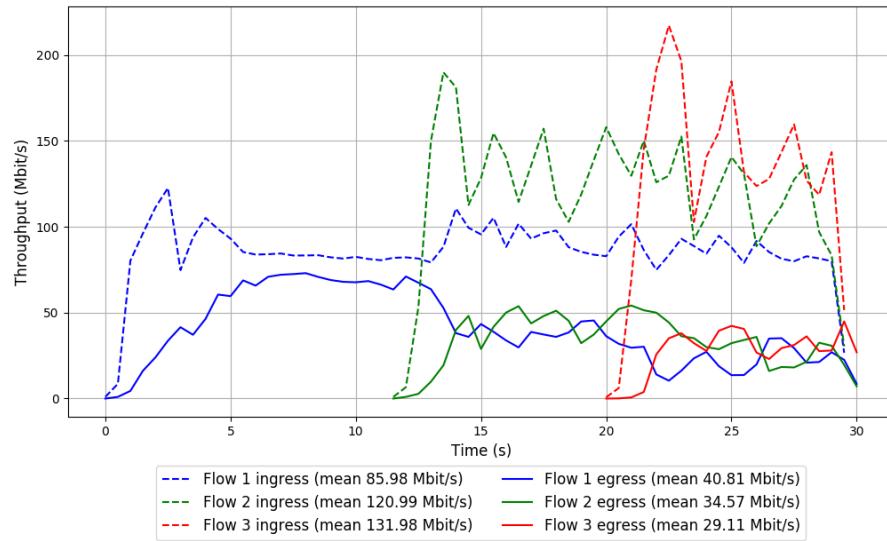


Run 1: Statistics of Indigo

```
Start at: 2019-07-17 22:57:09
End at: 2019-07-17 22:57:39
Local clock offset: -8.099 ms
Remote clock offset: -6.316 ms

# Below is generated by plot.py at 2019-07-18 01:27:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 82.388 ms
Loss rate: 64.77%
-- Flow 1:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 80.328 ms
Loss rate: 52.53%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 82.654 ms
Loss rate: 71.42%
-- Flow 3:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 83.031 ms
Loss rate: 77.94%
```

Run 1: Report of Indigo — Data Link

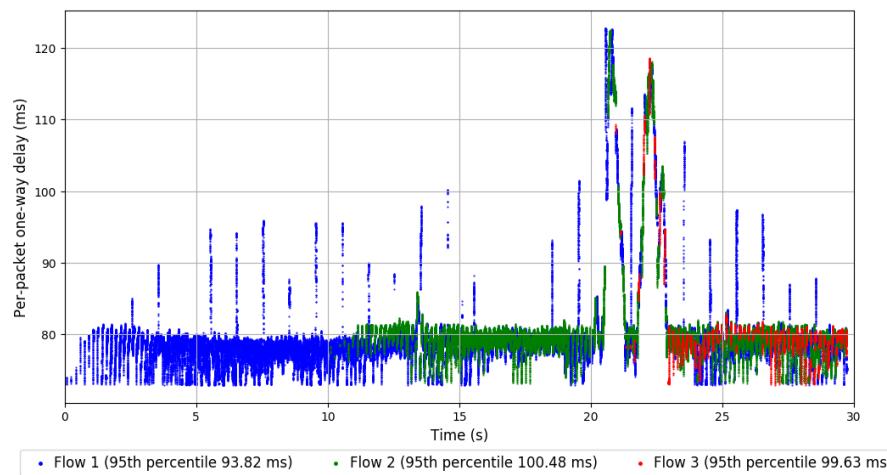
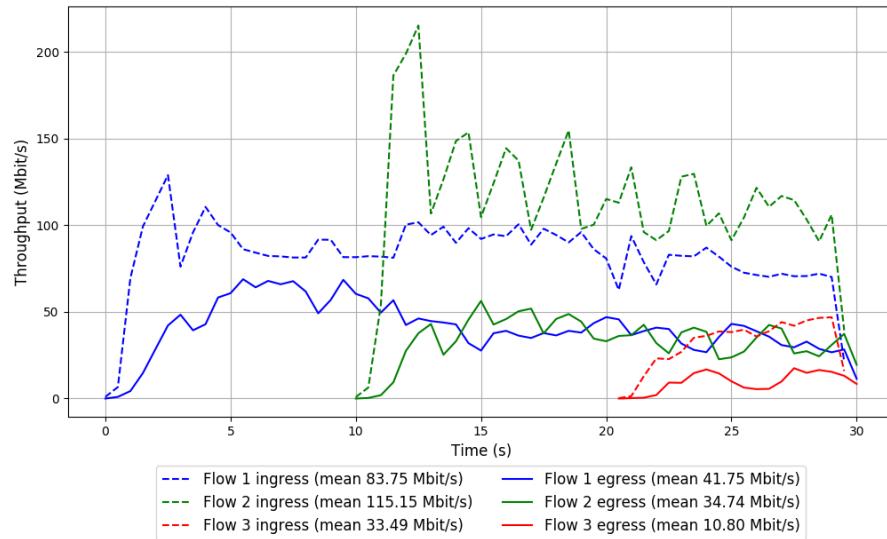


Run 2: Statistics of Indigo

```
Start at: 2019-07-17 23:27:32
End at: 2019-07-17 23:28:02
Local clock offset: -6.593 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-07-18 01:27:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 96.565 ms
Loss rate: 60.01%
-- Flow 1:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 93.819 ms
Loss rate: 50.15%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 100.476 ms
Loss rate: 69.83%
-- Flow 3:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 99.627 ms
Loss rate: 67.85%
```

## Run 2: Report of Indigo — Data Link

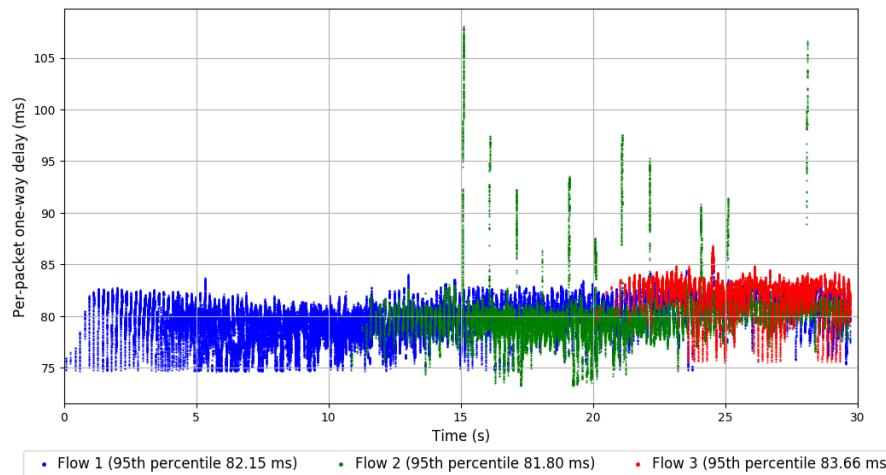
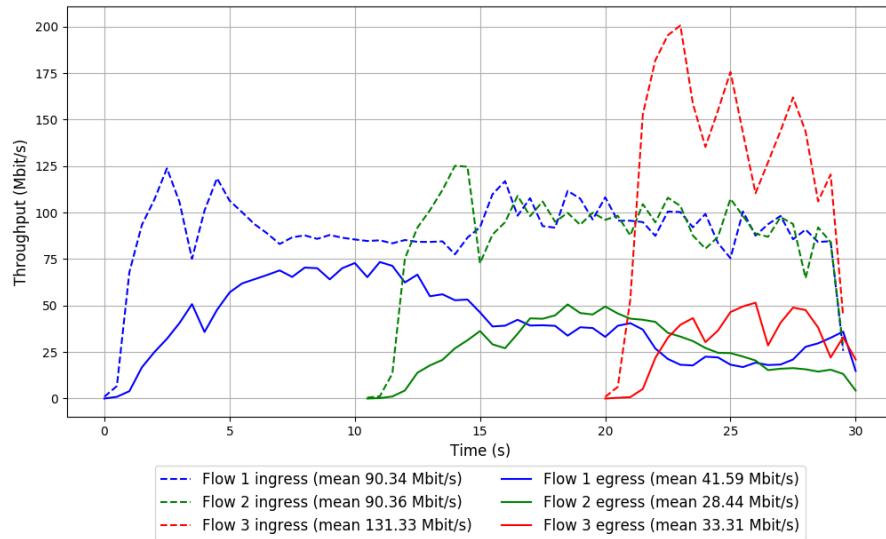


Run 3: Statistics of Indigo

```
Start at: 2019-07-17 23:57:57
End at: 2019-07-17 23:58:27
Local clock offset: -4.879 ms
Remote clock offset: -3.713 ms

# Below is generated by plot.py at 2019-07-18 01:27:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 82.911 ms
Loss rate: 62.96%
-- Flow 1:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 82.147 ms
Loss rate: 53.95%
-- Flow 2:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 81.799 ms
Loss rate: 68.52%
-- Flow 3:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 83.657 ms
Loss rate: 74.63%
```

### Run 3: Report of Indigo — Data Link

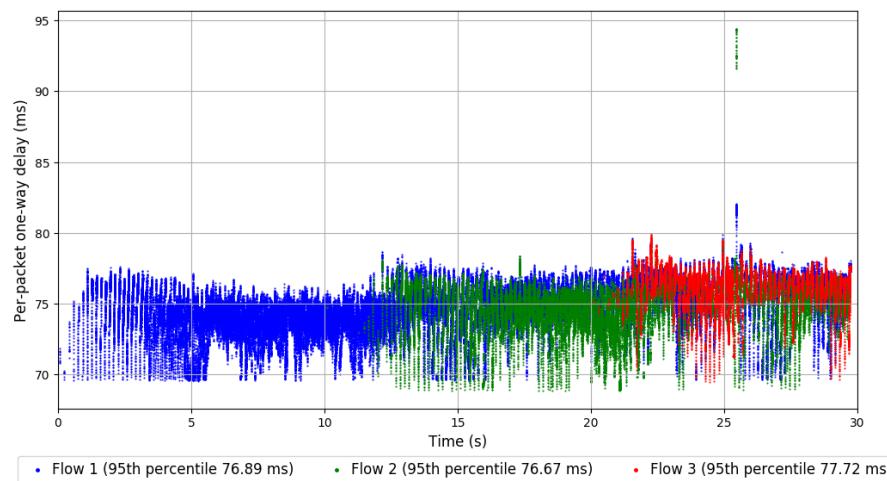
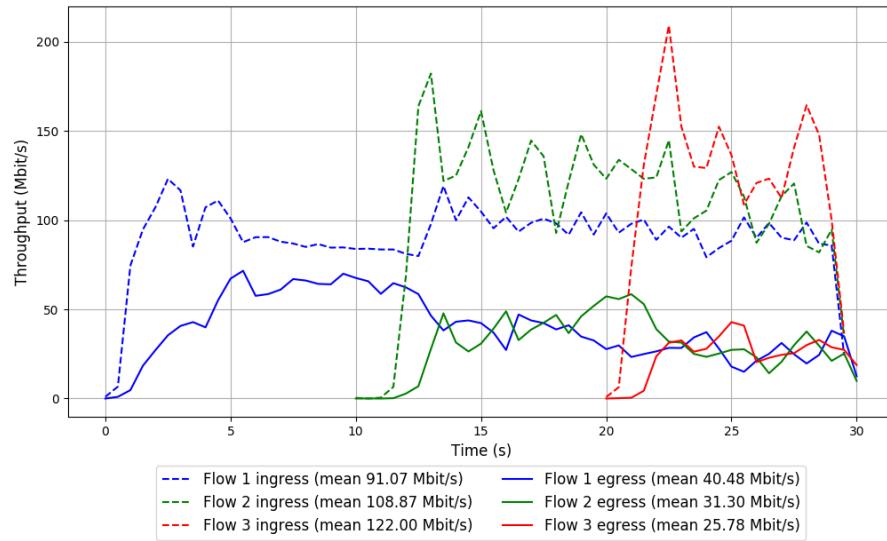


Run 4: Statistics of Indigo

```
Start at: 2019-07-18 00:28:03
End at: 2019-07-18 00:28:33
Local clock offset: -2.777 ms
Remote clock offset: -12.624 ms

# Below is generated by plot.py at 2019-07-18 01:27:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 77.065 ms
Loss rate: 65.67%
-- Flow 1:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 76.893 ms
Loss rate: 55.54%
-- Flow 2:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 76.669 ms
Loss rate: 71.25%
-- Flow 3:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 77.716 ms
Loss rate: 78.86%
```

## Run 4: Report of Indigo — Data Link

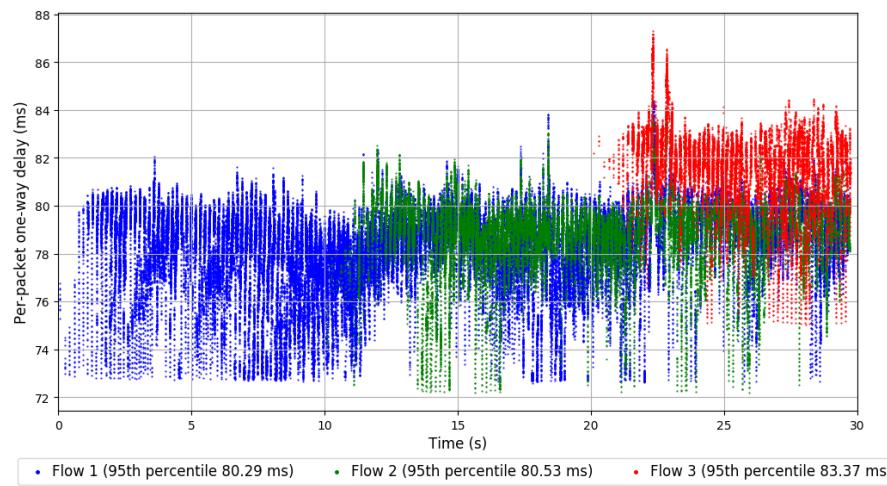
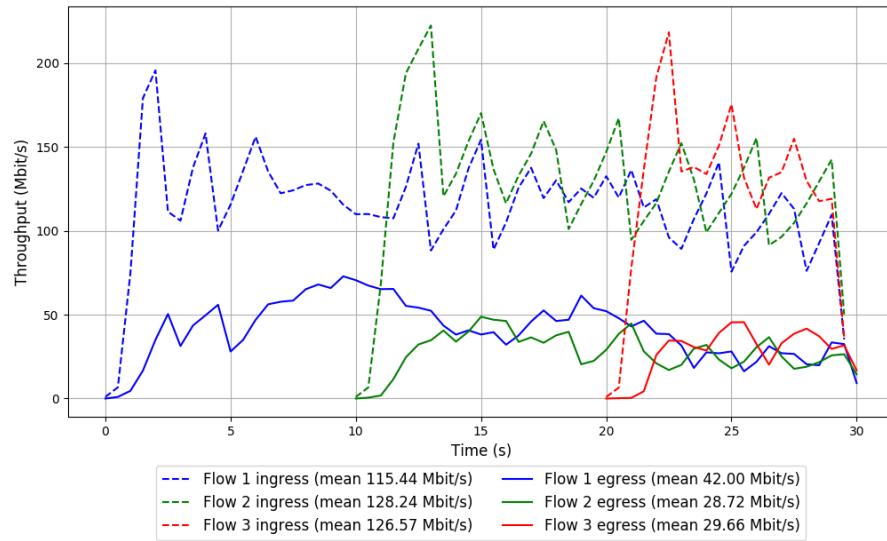


Run 5: Statistics of Indigo

```
Start at: 2019-07-18 00:58:59
End at: 2019-07-18 00:59:29
Local clock offset: -3.711 ms
Remote clock offset: -7.57 ms

# Below is generated by plot.py at 2019-07-18 01:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.55 Mbit/s
95th percentile per-packet one-way delay: 82.162 ms
Loss rate: 70.74%
-- Flow 1:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 80.288 ms
Loss rate: 63.61%
-- Flow 2:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 80.535 ms
Loss rate: 77.60%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 83.372 ms
Loss rate: 76.57%
```

Run 5: Report of Indigo — Data Link

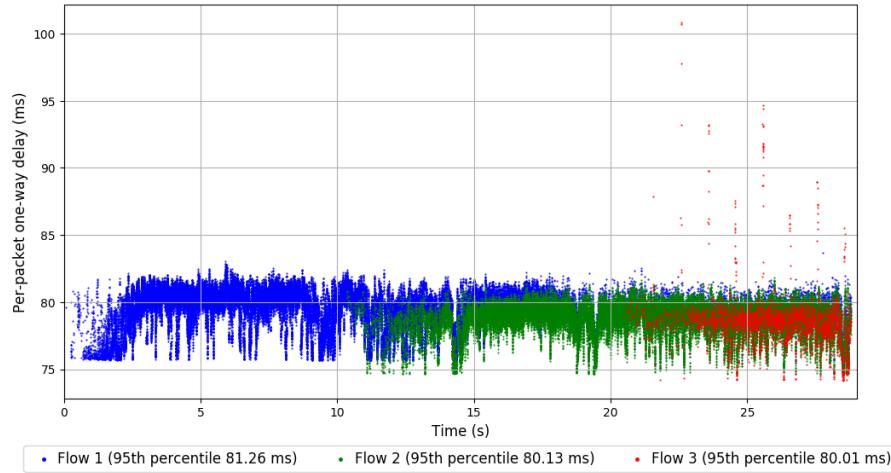
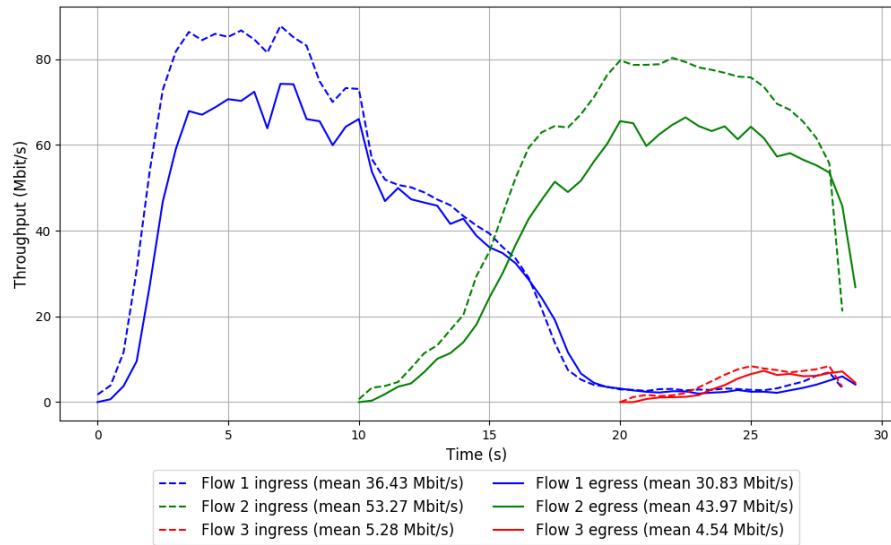


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 23:14:50
End at: 2019-07-17 23:15:20
Local clock offset: -7.882 ms
Remote clock offset: -2.738 ms

# Below is generated by plot.py at 2019-07-18 01:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.65 Mbit/s
95th percentile per-packet one-way delay: 81.031 ms
Loss rate: 16.34%
-- Flow 1:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 81.260 ms
Loss rate: 15.37%
-- Flow 2:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 80.129 ms
Loss rate: 17.48%
-- Flow 3:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 80.007 ms
Loss rate: 13.93%
```

## Run 1: Report of Indigo-MusesC3 — Data Link

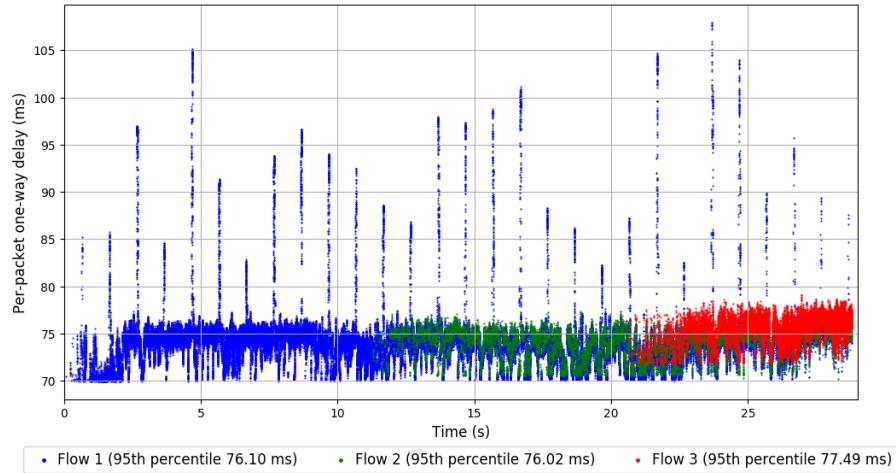
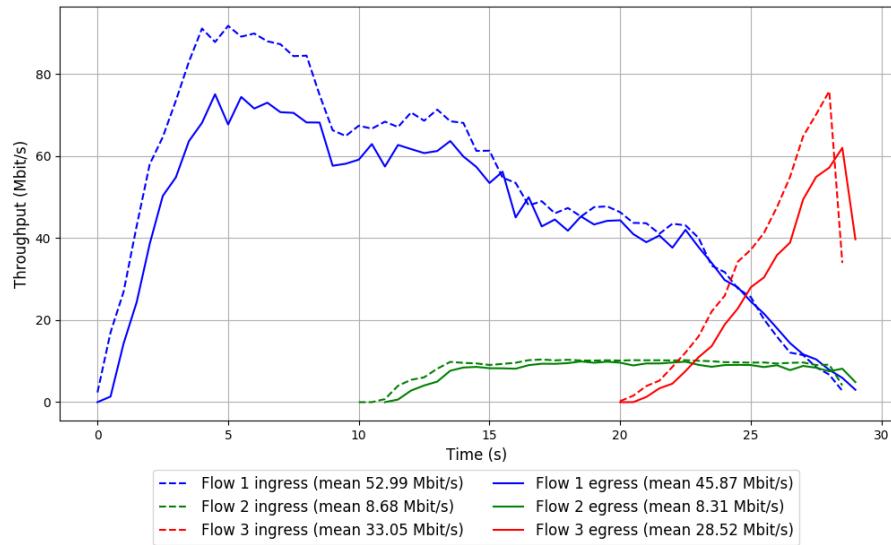


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 23:45:25
End at: 2019-07-17 23:45:55
Local clock offset: -5.837 ms
Remote clock offset: -3.396 ms

# Below is generated by plot.py at 2019-07-18 01:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 77.048 ms
Loss rate: 13.12%
-- Flow 1:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 76.104 ms
Loss rate: 13.41%
-- Flow 2:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 76.015 ms
Loss rate: 9.36%
-- Flow 3:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: 77.491 ms
Loss rate: 13.72%
```

## Run 2: Report of Indigo-MusesC3 — Data Link

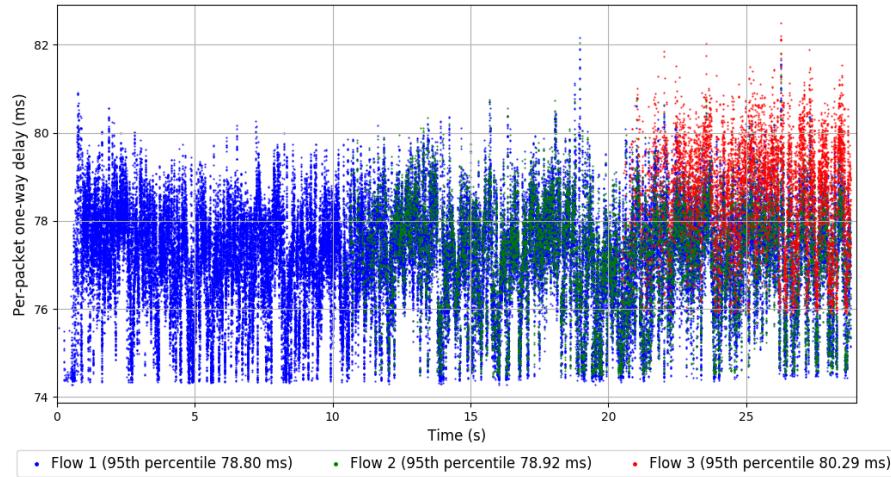
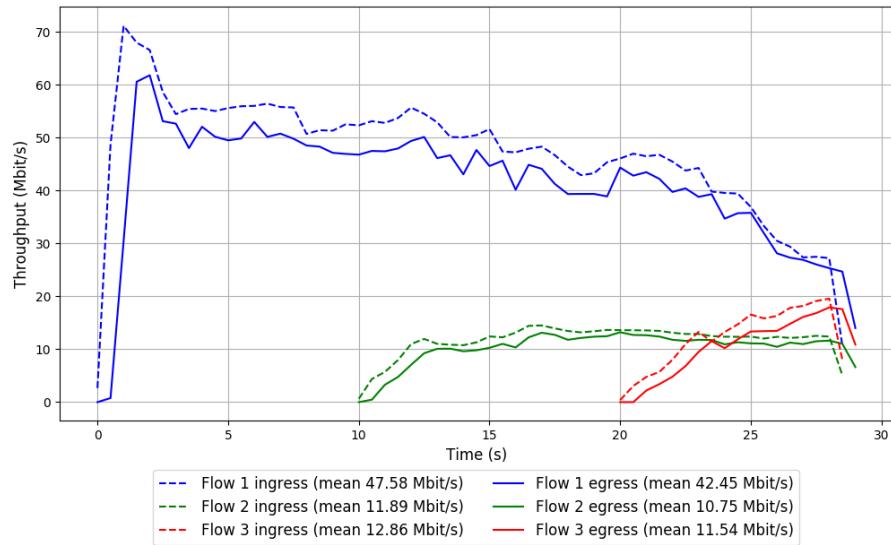


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 00:15:32
End at: 2019-07-18 00:16:02
Local clock offset: -4.096 ms
Remote clock offset: -5.271 ms

# Below is generated by plot.py at 2019-07-18 01:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 79.083 ms
Loss rate: 10.61%
-- Flow 1:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 78.795 ms
Loss rate: 10.78%
-- Flow 2:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 78.918 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 80.286 ms
Loss rate: 10.29%
```

### Run 3: Report of Indigo-MusesC3 — Data Link

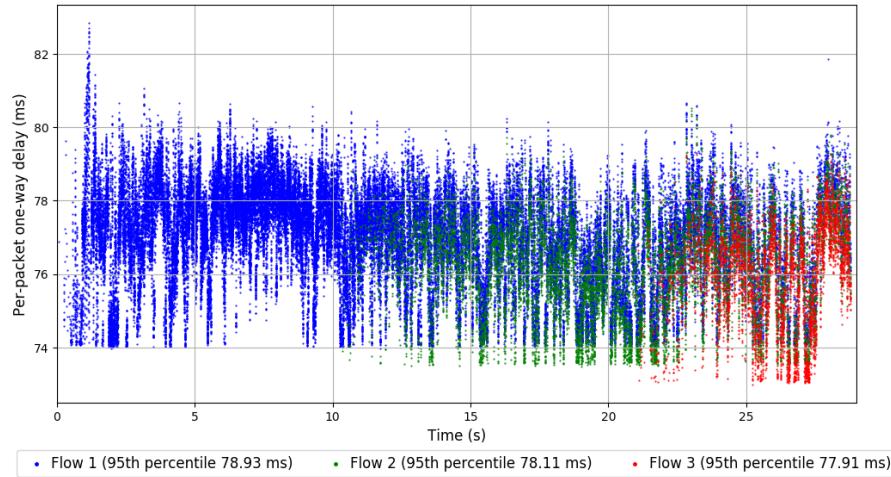
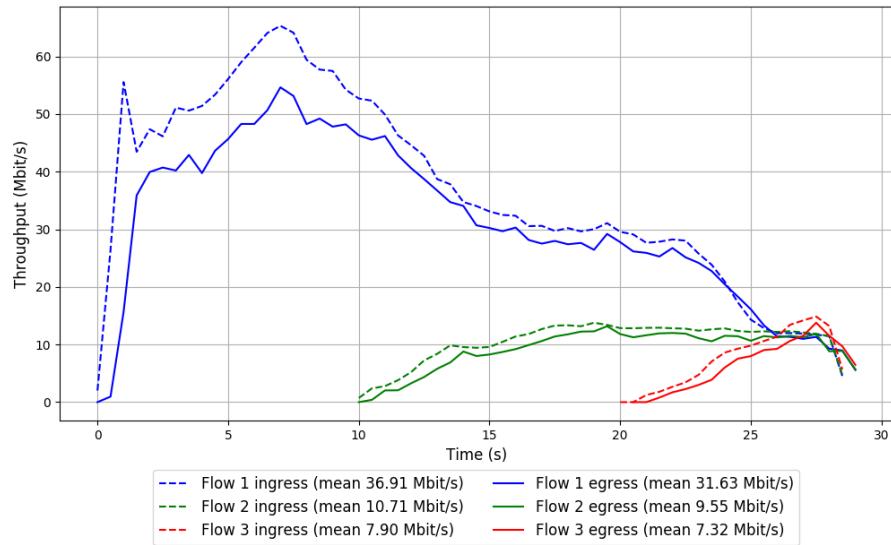


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 00:46:18
End at: 2019-07-18 00:46:48
Local clock offset: -2.959 ms
Remote clock offset: -9.938 ms

# Below is generated by plot.py at 2019-07-18 01:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 78.834 ms
Loss rate: 13.71%
-- Flow 1:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 78.932 ms
Loss rate: 14.31%
-- Flow 2:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 78.108 ms
Loss rate: 10.79%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 77.908 ms
Loss rate: 12.78%
```

Run 4: Report of Indigo-MusesC3 — Data Link

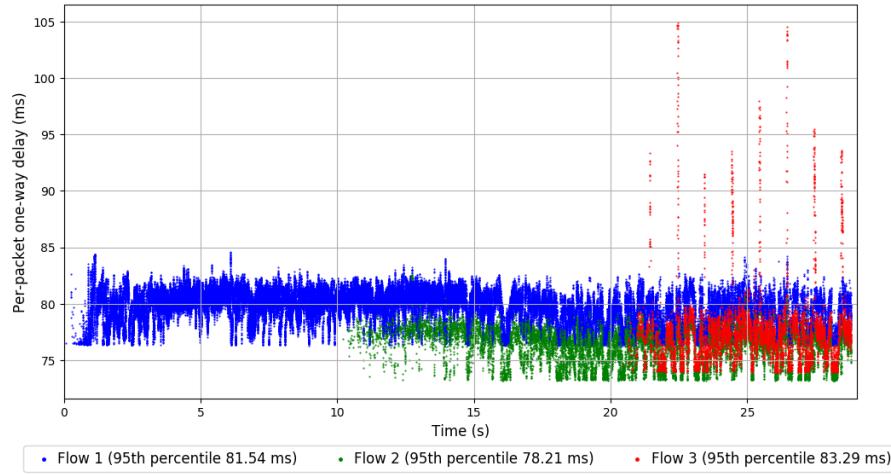
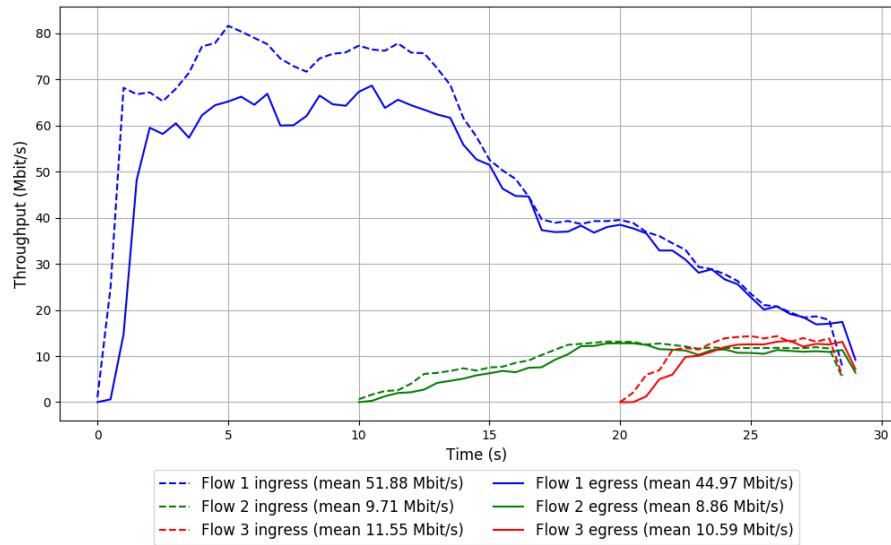


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 01:16:38
End at: 2019-07-18 01:17:08
Local clock offset: -6.466 ms
Remote clock offset: -6.939 ms

# Below is generated by plot.py at 2019-07-18 01:27:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 81.502 ms
Loss rate: 12.58%
-- Flow 1:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 81.544 ms
Loss rate: 13.32%
-- Flow 2:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 78.211 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 83.287 ms
Loss rate: 8.26%
```

## Run 5: Report of Indigo-MusesC3 — Data Link

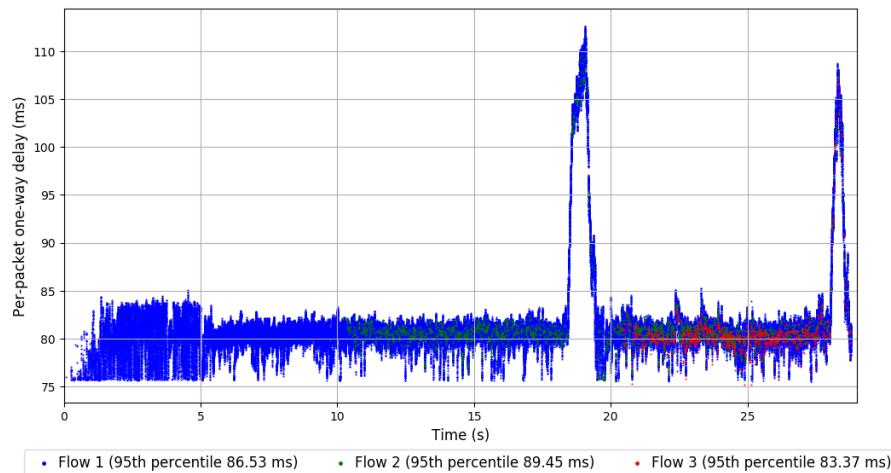
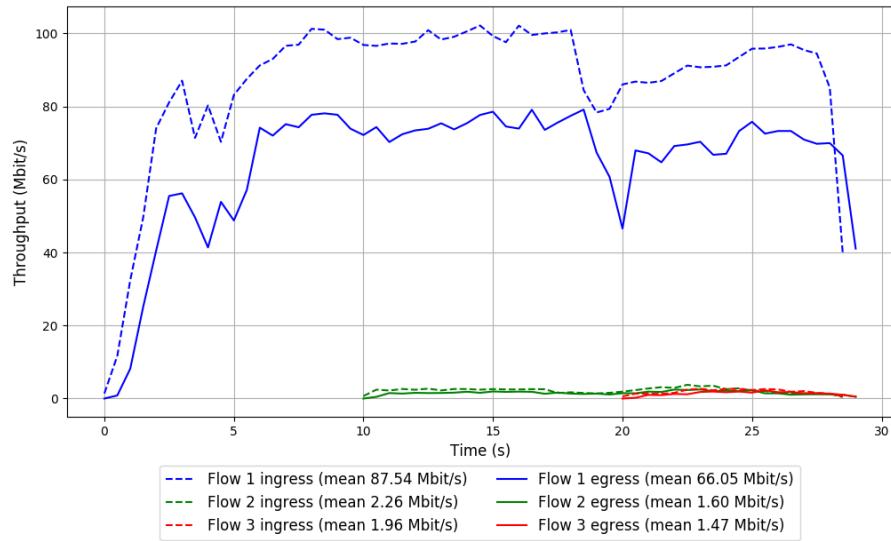


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 23:20:05
End at: 2019-07-17 23:20:35
Local clock offset: -7.898 ms
Remote clock offset: -1.519 ms

# Below is generated by plot.py at 2019-07-18 01:28:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.52 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 24.62%
-- Flow 1:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 24.54%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 89.454 ms
Loss rate: 29.02%
-- Flow 3:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 83.368 ms
Loss rate: 25.23%
```

## Run 1: Report of Indigo-MusesC5 — Data Link

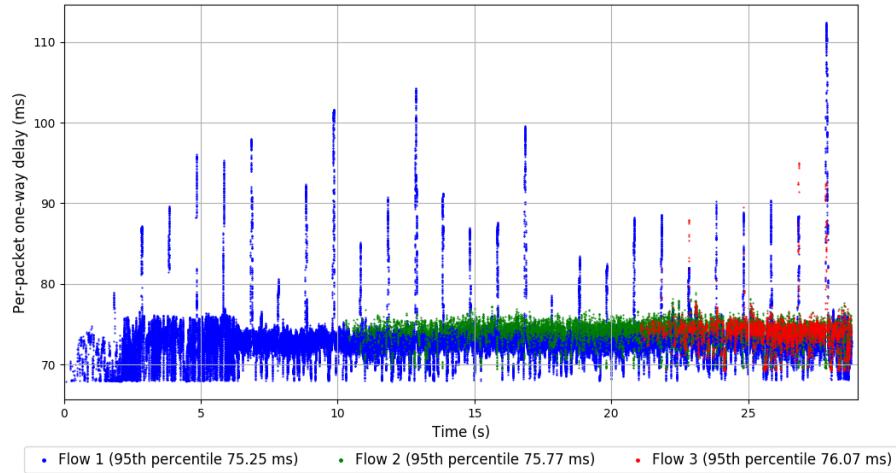
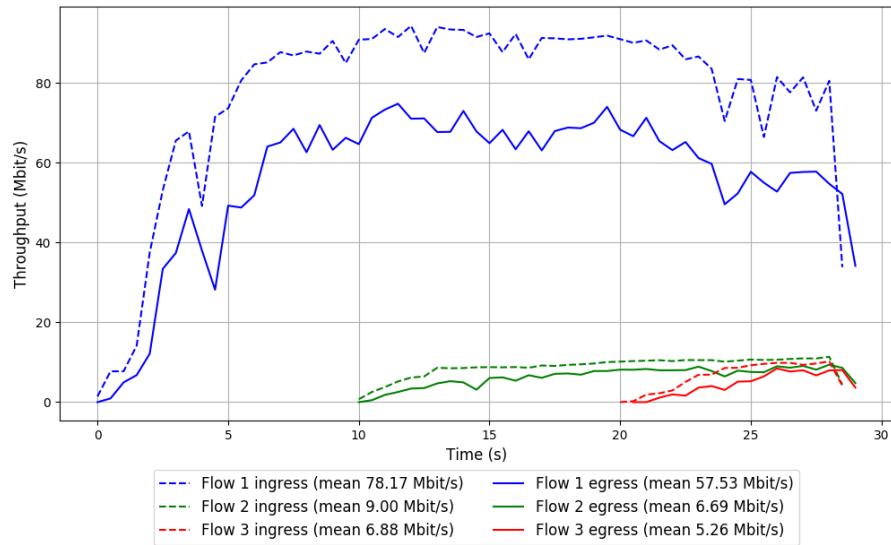


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 23:50:33
End at: 2019-07-17 23:51:03
Local clock offset: -6.629 ms
Remote clock offset: -8.3 ms

# Below is generated by plot.py at 2019-07-18 01:28:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 75.468 ms
Loss rate: 26.38%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 75.249 ms
Loss rate: 26.39%
-- Flow 2:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 75.769 ms
Loss rate: 25.61%
-- Flow 3:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 76.074 ms
Loss rate: 28.18%
```

## Run 2: Report of Indigo-MusesC5 — Data Link

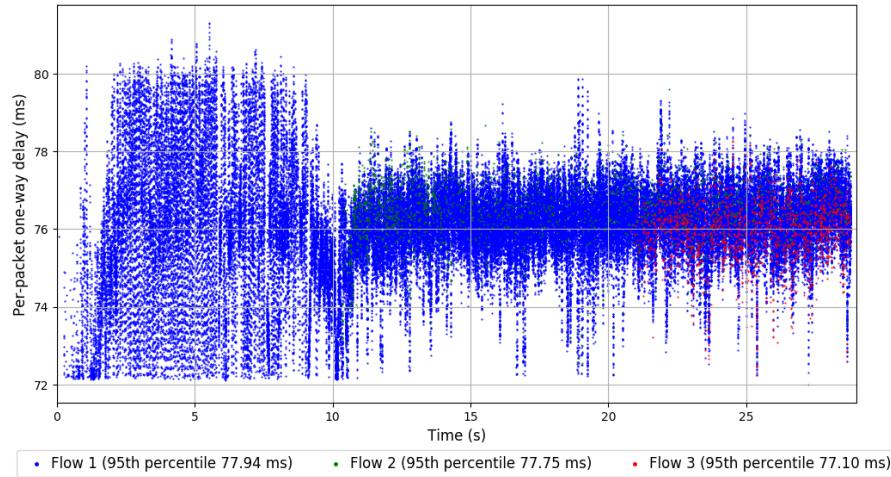
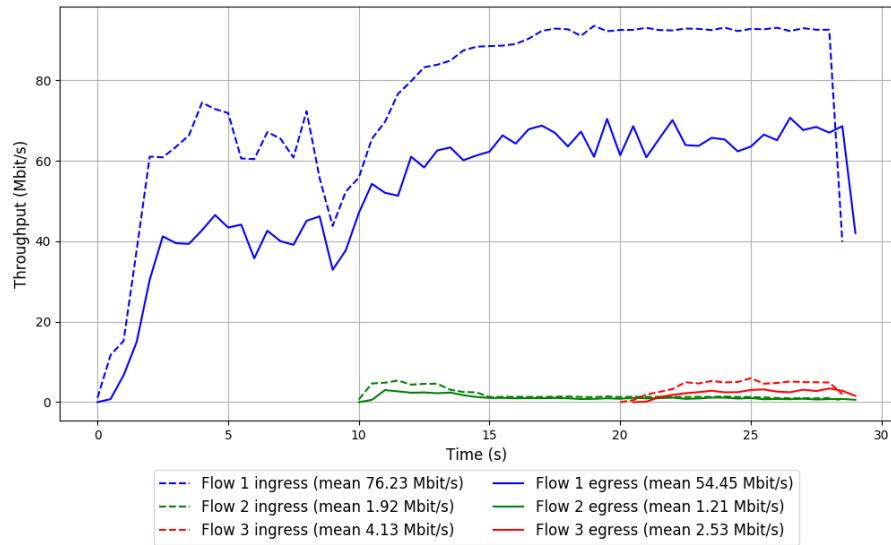


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 00:20:39
End at: 2019-07-18 00:21:09
Local clock offset: -3.845 ms
Remote clock offset: -8.985 ms

# Below is generated by plot.py at 2019-07-18 01:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 77.922 ms
Loss rate: 28.92%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 77.940 ms
Loss rate: 28.58%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 77.749 ms
Loss rate: 37.04%
-- Flow 3:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 77.100 ms
Loss rate: 42.30%
```

Run 3: Report of Indigo-MusesC5 — Data Link

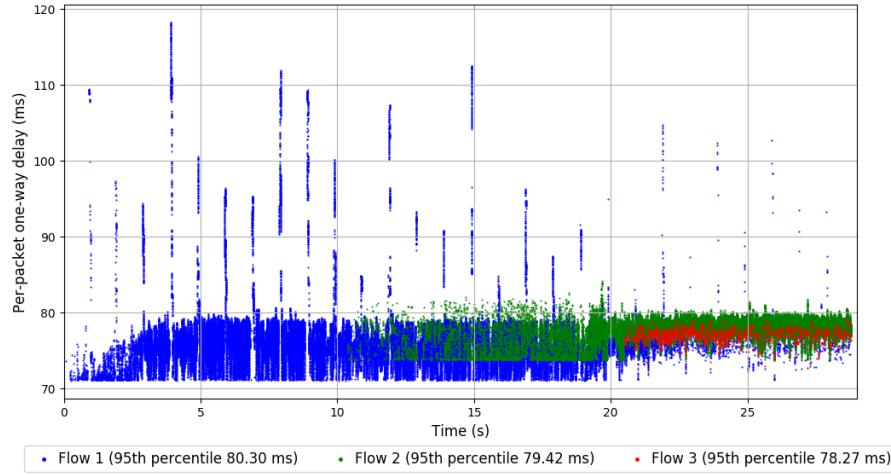
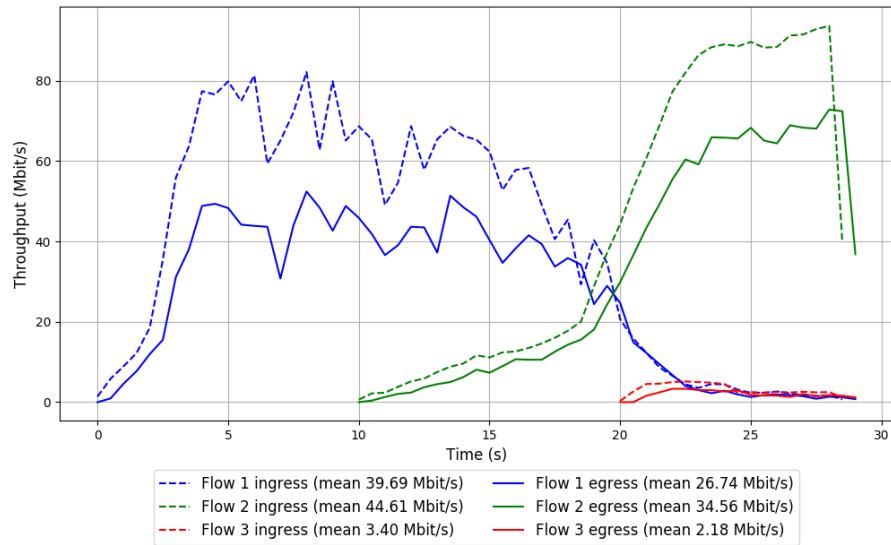


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 00:51:28
End at: 2019-07-18 00:51:58
Local clock offset: -2.228 ms
Remote clock offset: -9.724 ms

# Below is generated by plot.py at 2019-07-18 01:28:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 79.469 ms
Loss rate: 28.48%
-- Flow 1:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 80.295 ms
Loss rate: 32.63%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 79.424 ms
Loss rate: 22.51%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 78.270 ms
Loss rate: 36.03%
```

## Run 4: Report of Indigo-MusesC5 — Data Link

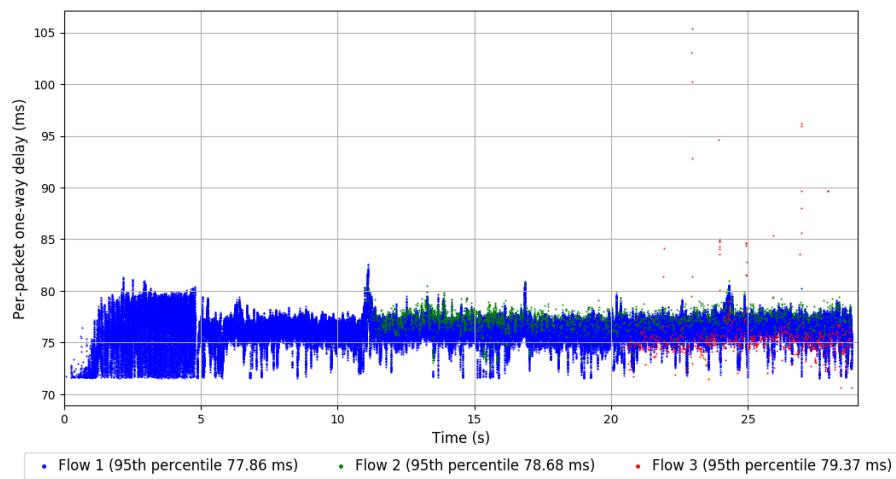
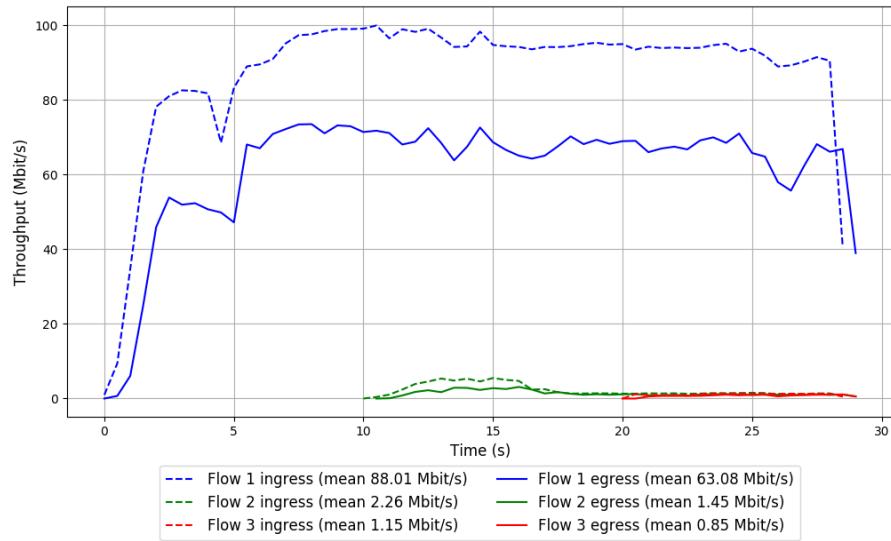


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 01:21:49
End at: 2019-07-18 01:22:19
Local clock offset: -7.437 ms
Remote clock offset: -10.534 ms

# Below is generated by plot.py at 2019-07-18 01:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 77.912 ms
Loss rate: 28.45%
-- Flow 1:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 77.860 ms
Loss rate: 28.31%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 78.684 ms
Loss rate: 37.44%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 79.369 ms
Loss rate: 26.00%
```

## Run 5: Report of Indigo-MusesC5 — Data Link

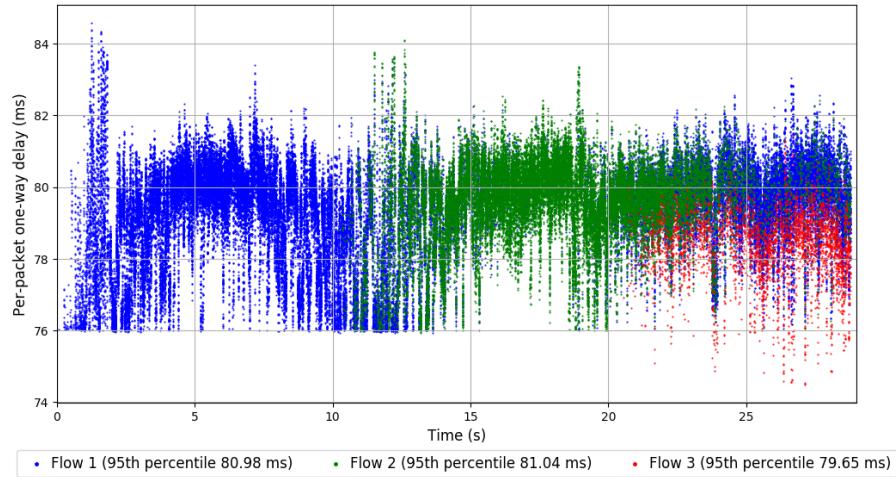
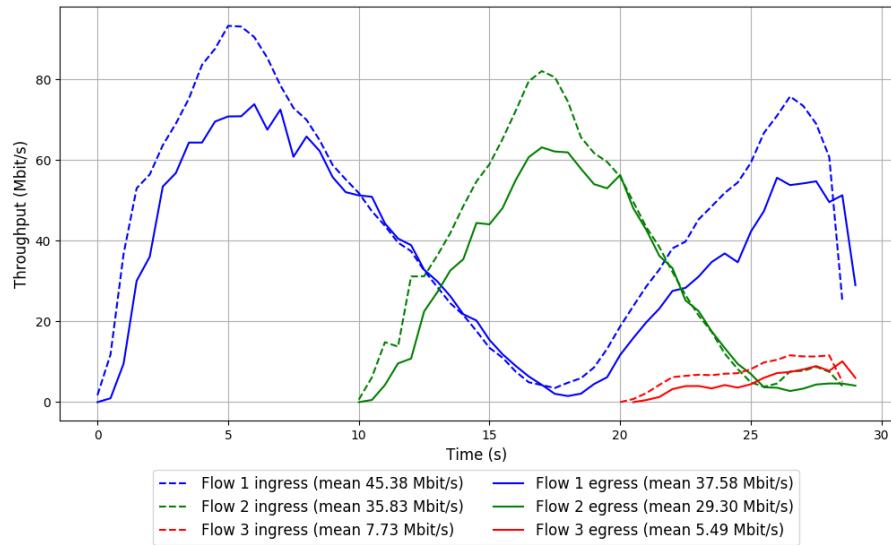


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-07-17 22:58:29
End at: 2019-07-17 22:58:59
Local clock offset: -8.101 ms
Remote clock offset: -5.784 ms

# Below is generated by plot.py at 2019-07-18 01:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 80.993 ms
Loss rate: 17.89%
-- Flow 1:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 80.985 ms
Loss rate: 17.16%
-- Flow 2:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 81.039 ms
Loss rate: 18.24%
-- Flow 3:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 79.652 ms
Loss rate: 28.97%
```

## Run 1: Report of Indigo-MusesD — Data Link

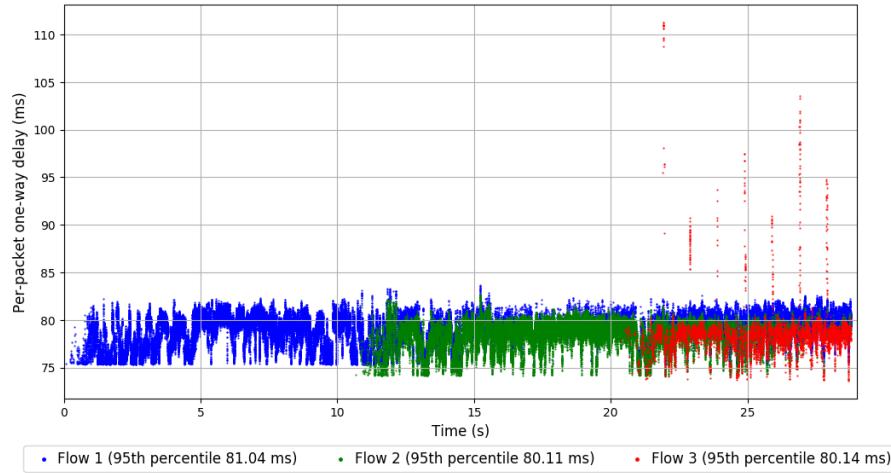
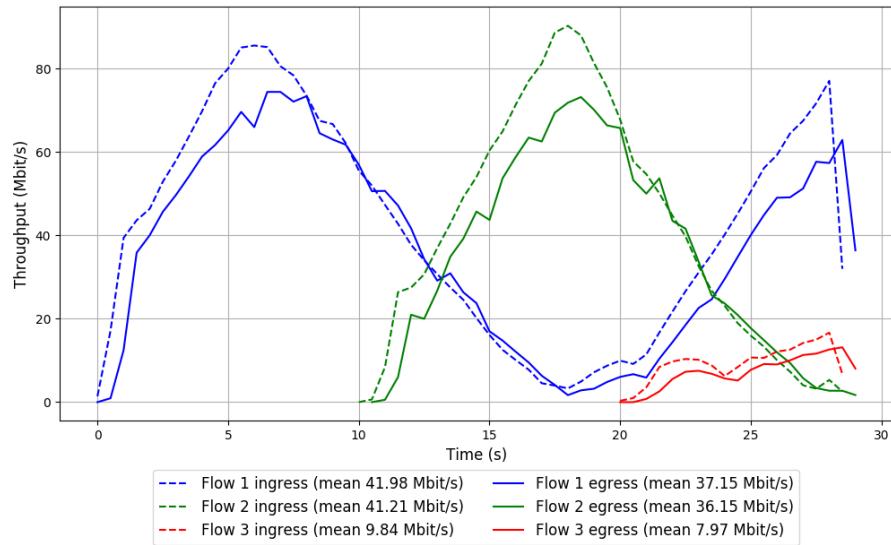


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 23:29:00
End at: 2019-07-17 23:29:30
Local clock offset: -7.236 ms
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2019-07-18 01:28:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 80.860 ms
Loss rate: 12.96%
-- Flow 1:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 81.042 ms
Loss rate: 11.49%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 80.107 ms
Loss rate: 14.60%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 80.140 ms
Loss rate: 19.07%
```

## Run 2: Report of Indigo-MusesD — Data Link

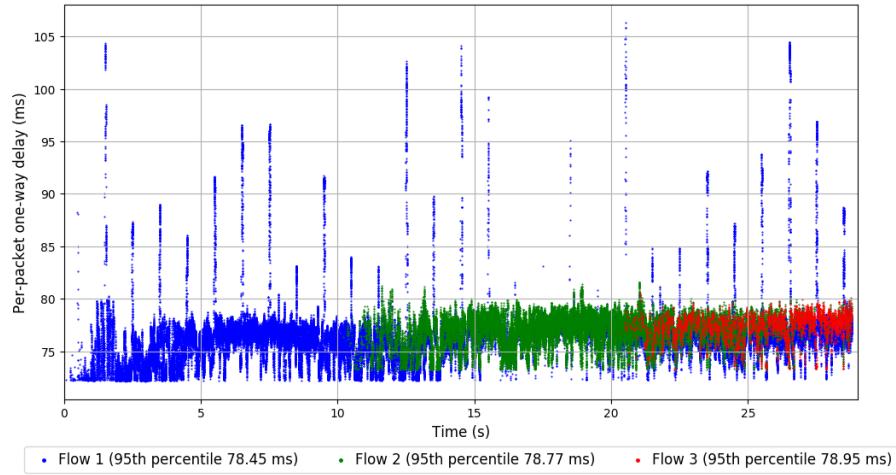
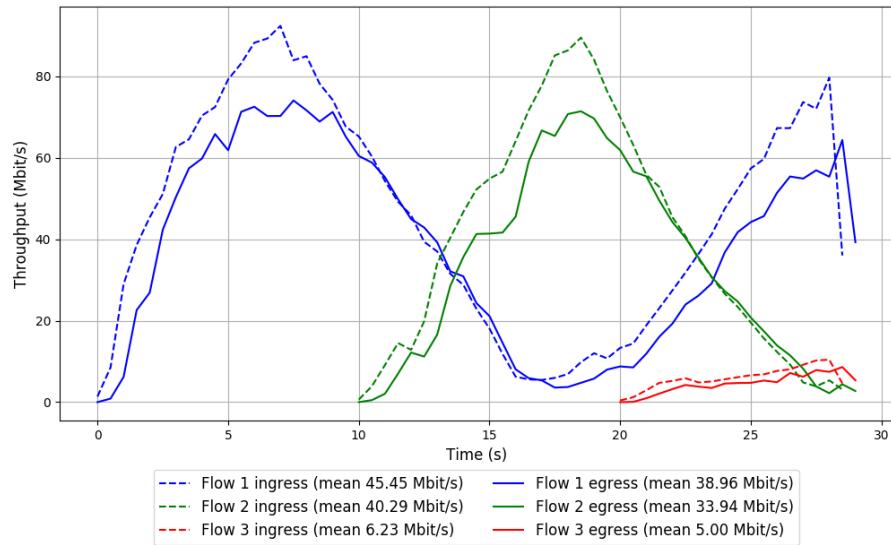


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 23:59:17
End at: 2019-07-17 23:59:47
Local clock offset: -4.731 ms
Remote clock offset: -5.365 ms

# Below is generated by plot.py at 2019-07-18 01:28:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 78.720 ms
Loss rate: 14.94%
-- Flow 1:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 78.447 ms
Loss rate: 14.28%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 78.770 ms
Loss rate: 15.75%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 78.953 ms
Loss rate: 19.78%
```

### Run 3: Report of Indigo-MusesD — Data Link

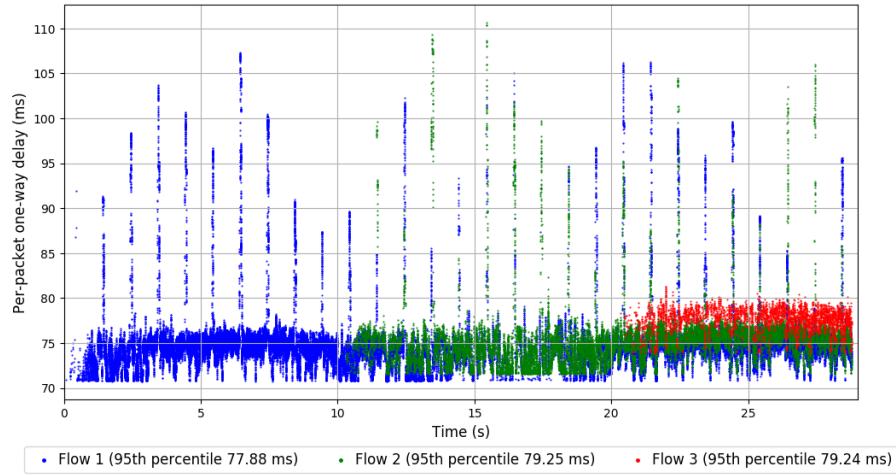
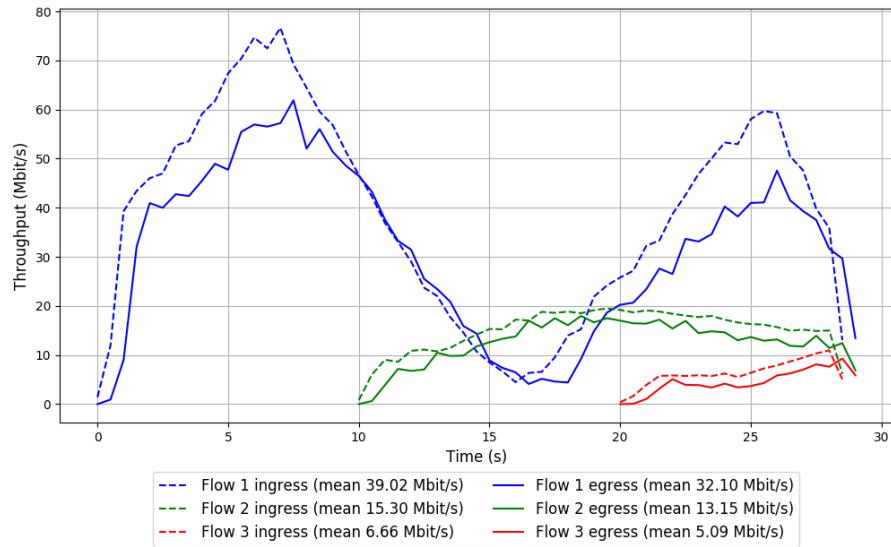


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 00:29:23
End at: 2019-07-18 00:29:53
Local clock offset: -2.96 ms
Remote clock offset: -9.374 ms

# Below is generated by plot.py at 2019-07-18 01:28:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 78.934 ms
Loss rate: 17.23%
-- Flow 1:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 77.881 ms
Loss rate: 17.72%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 79.253 ms
Loss rate: 14.07%
-- Flow 3:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 79.244 ms
Loss rate: 23.54%
```

## Run 4: Report of Indigo-MusesD — Data Link

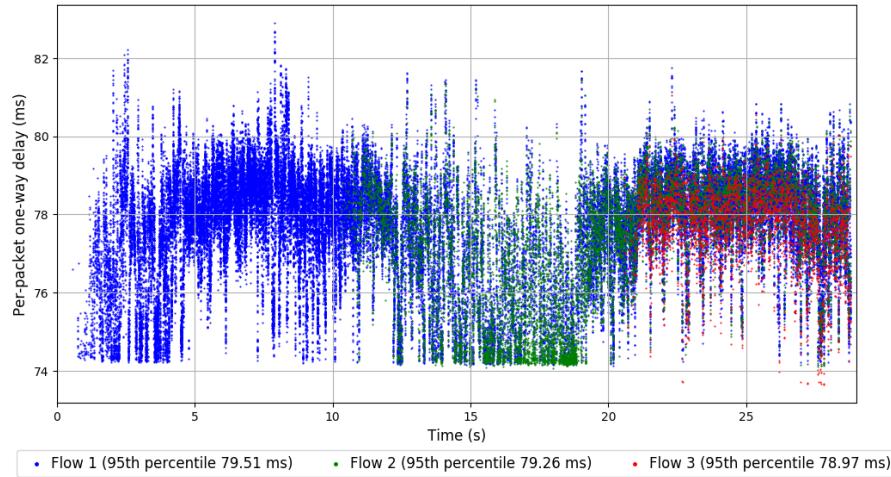
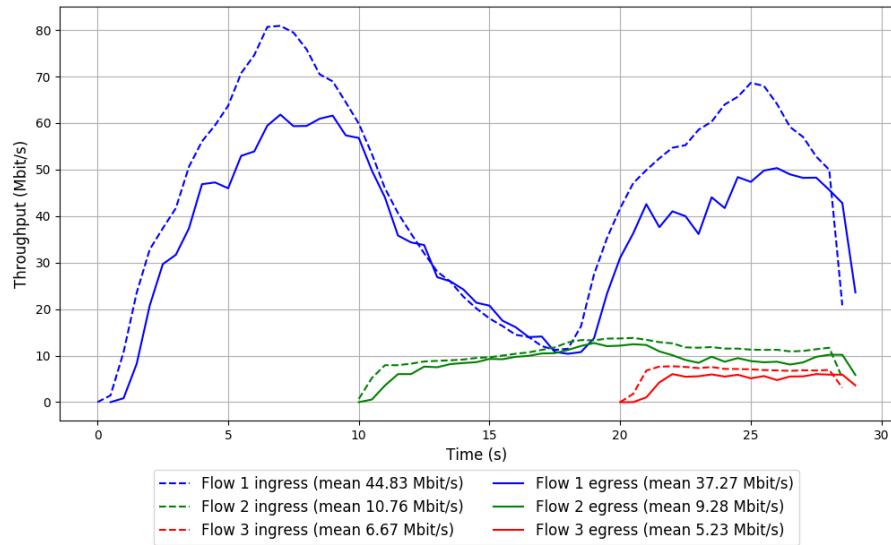


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 01:00:21
End at: 2019-07-18 01:00:51
Local clock offset: -4.692 ms
Remote clock offset: -8.381 ms

# Below is generated by plot.py at 2019-07-18 01:28:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: 79.466 ms
Loss rate: 17.84%
-- Flow 1:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 79.511 ms
Loss rate: 18.31%
-- Flow 2:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 79.256 ms
Loss rate: 13.77%
-- Flow 3:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 78.975 ms
Loss rate: 21.59%
```

## Run 5: Report of Indigo-MusesD — Data Link

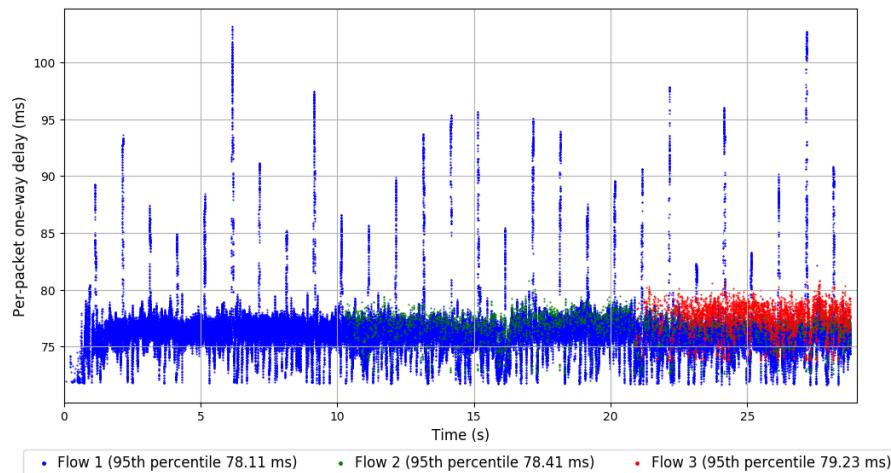
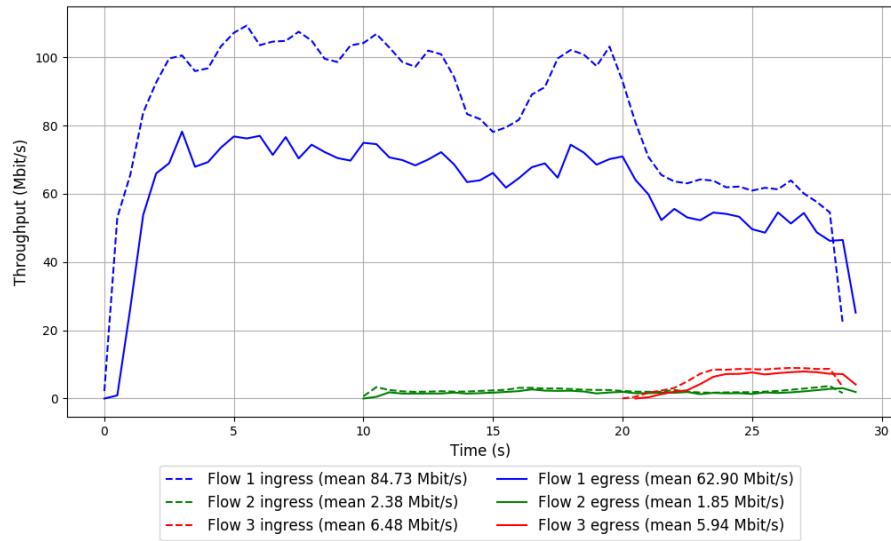


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 23:13:33
End at: 2019-07-17 23:14:03
Local clock offset: -7.883 ms
Remote clock offset: -5.654 ms

# Below is generated by plot.py at 2019-07-18 01:29:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.76 Mbit/s
95th percentile per-packet one-way delay: 78.350 ms
Loss rate: 25.42%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 78.108 ms
Loss rate: 25.74%
-- Flow 2:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 78.414 ms
Loss rate: 22.19%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 79.230 ms
Loss rate: 13.65%
```

Run 1: Report of Indigo-MusesT — Data Link

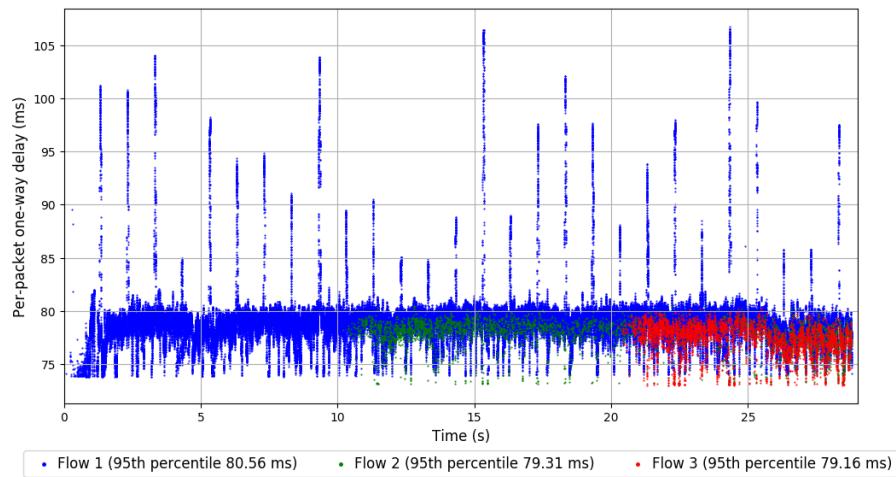
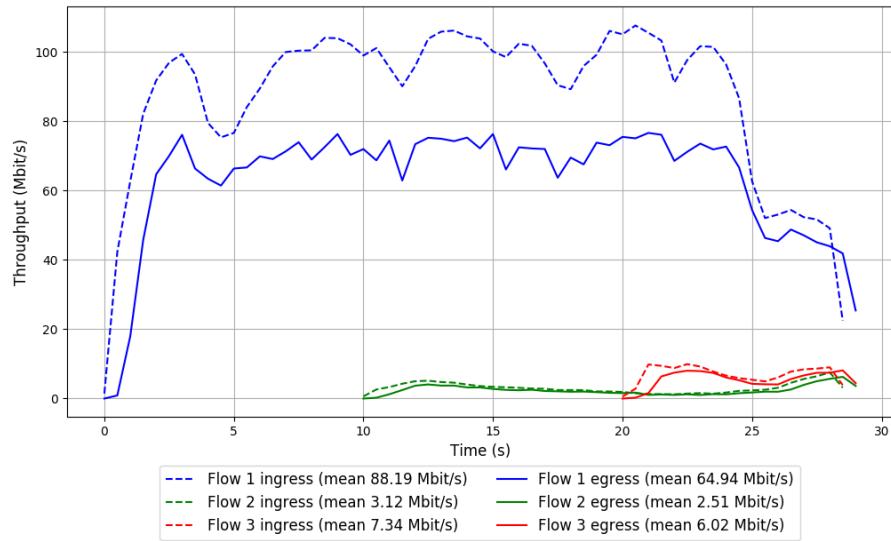


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 23:44:07
End at: 2019-07-17 23:44:37
Local clock offset: -5.877 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2019-07-18 01:29:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 80.503 ms
Loss rate: 26.01%
-- Flow 1:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 80.559 ms
Loss rate: 26.36%
-- Flow 2:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 79.307 ms
Loss rate: 19.52%
-- Flow 3:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 79.157 ms
Loss rate: 18.04%
```

## Run 2: Report of Indigo-MusesT — Data Link

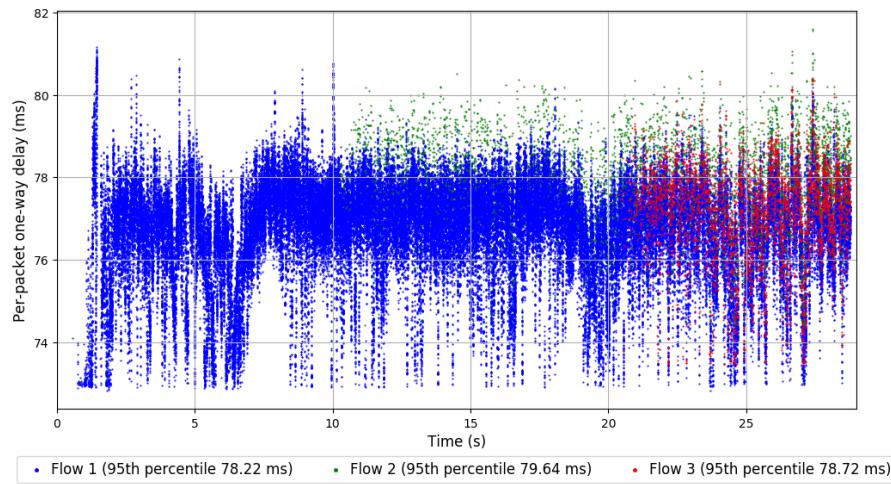
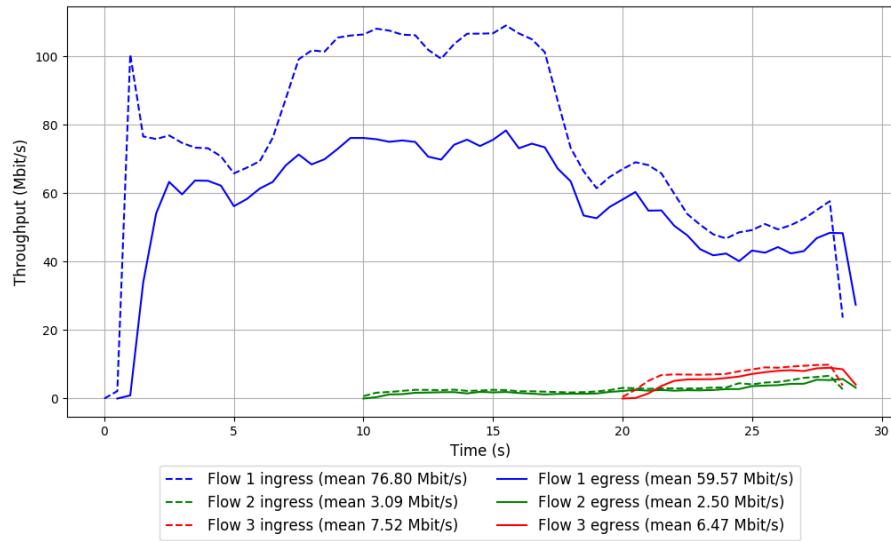


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 00:14:16
End at: 2019-07-18 00:14:46
Local clock offset: -3.363 ms
Remote clock offset: -4.566 ms

# Below is generated by plot.py at 2019-07-18 01:29:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 78.338 ms
Loss rate: 23.39%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 78.222 ms
Loss rate: 23.78%
-- Flow 2:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 79.639 ms
Loss rate: 18.94%
-- Flow 3:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 78.725 ms
Loss rate: 14.02%
```

Run 3: Report of Indigo-MusesT — Data Link

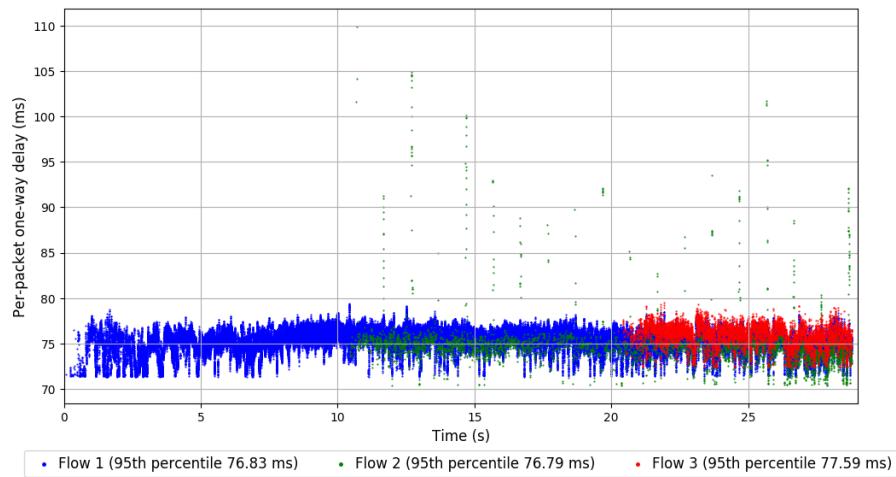
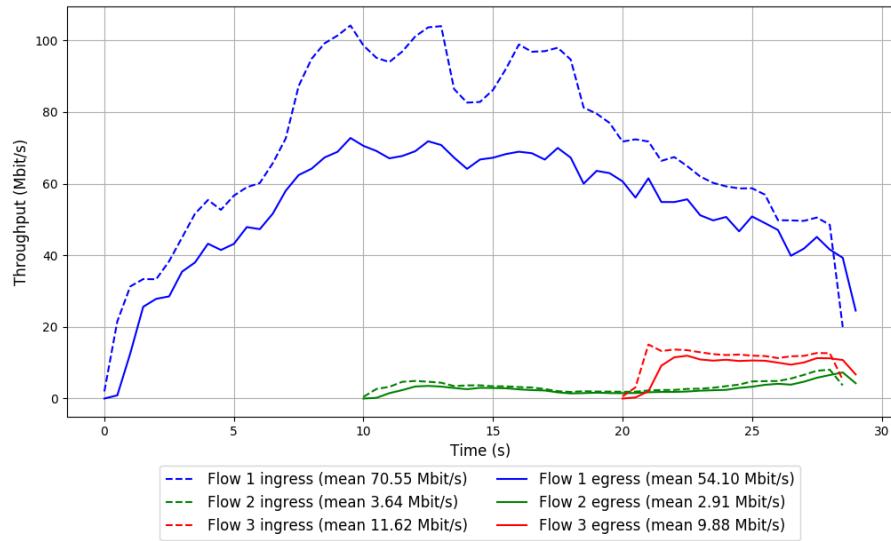


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 00:44:56
End at: 2019-07-18 00:45:26
Local clock offset: -3.066 ms
Remote clock offset: -11.108 ms

# Below is generated by plot.py at 2019-07-18 01:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 76.888 ms
Loss rate: 22.84%
-- Flow 1:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 76.826 ms
Loss rate: 23.32%
-- Flow 2:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 76.792 ms
Loss rate: 19.91%
-- Flow 3:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 77.592 ms
Loss rate: 15.09%
```

Run 4: Report of Indigo-MusesT — Data Link

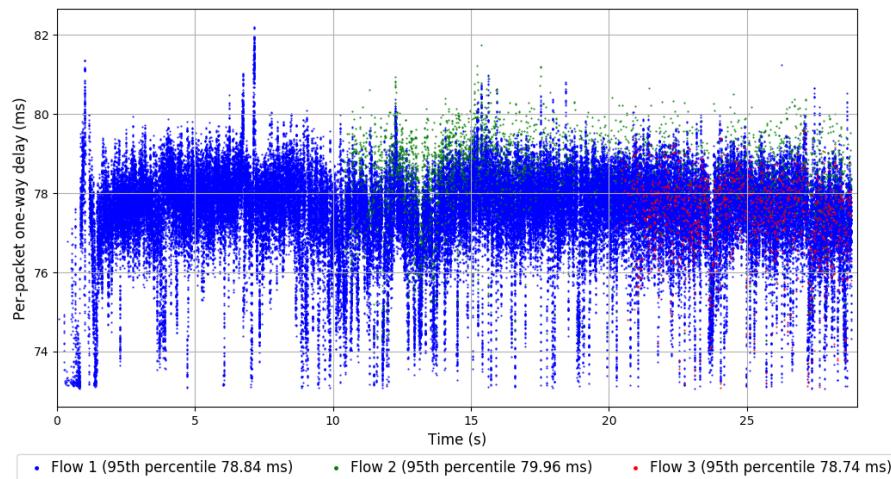
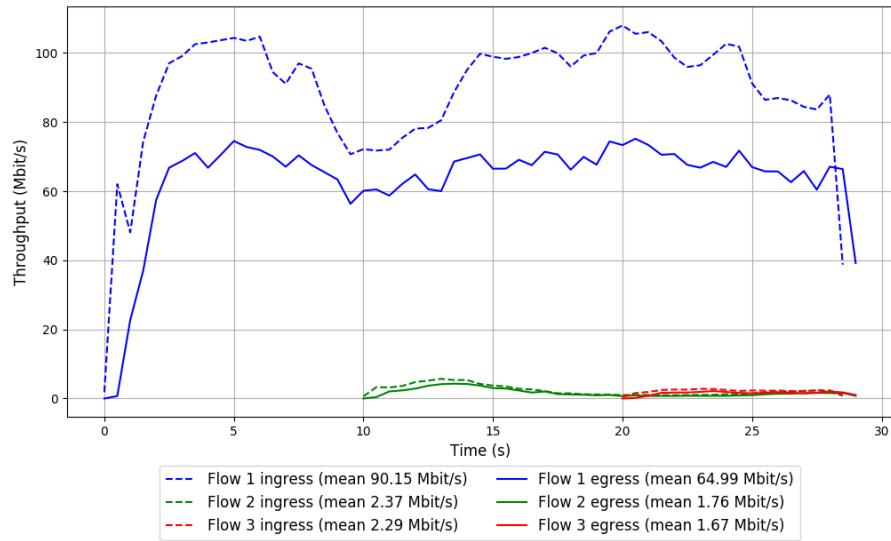


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 01:15:21
End at: 2019-07-18 01:15:51
Local clock offset: -6.982 ms
Remote clock offset: -8.993 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 78.890 ms
Loss rate: 27.86%
-- Flow 1:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 78.839 ms
Loss rate: 27.91%
-- Flow 2:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 79.956 ms
Loss rate: 25.61%
-- Flow 3:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 78.739 ms
Loss rate: 27.16%
```

Run 5: Report of Indigo-MusesT — Data Link

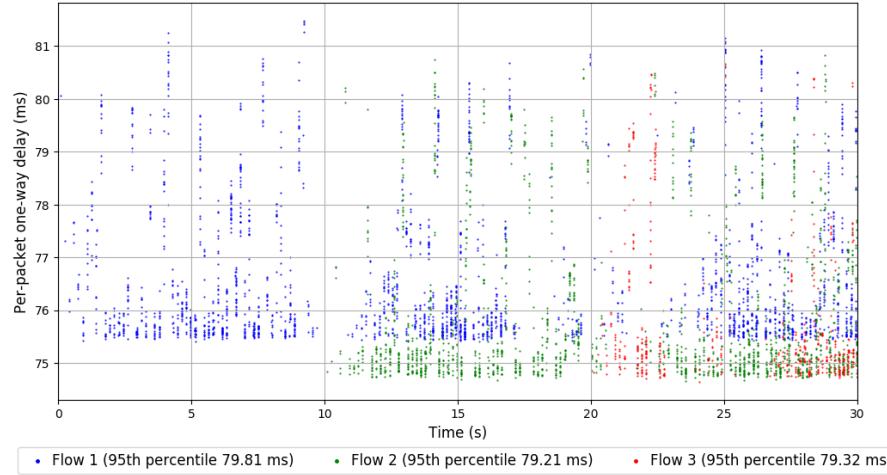
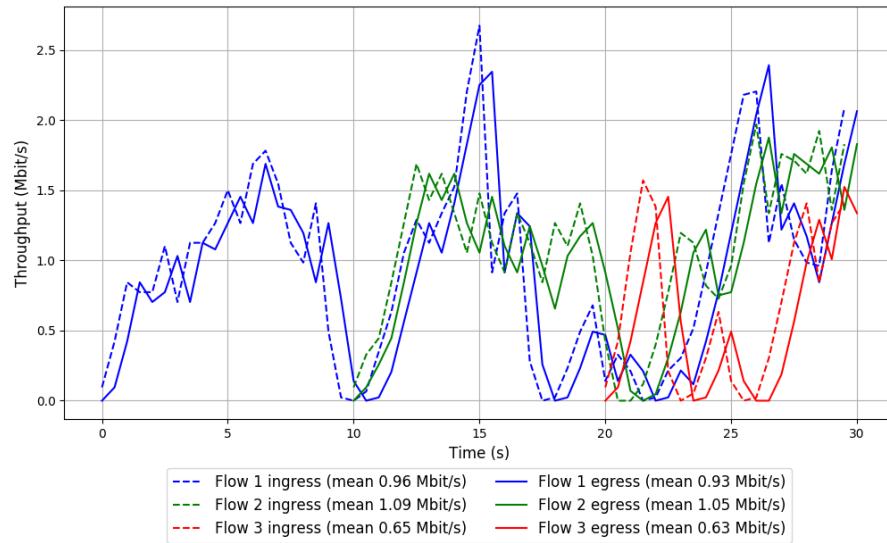


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-17 23:04:45
End at: 2019-07-17 23:05:15
Local clock offset: -6.905 ms
Remote clock offset: -5.715 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 79.634 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 79.811 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 79.206 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 79.319 ms
Loss rate: 4.16%
```

Run 1: Report of LEDBAT — Data Link

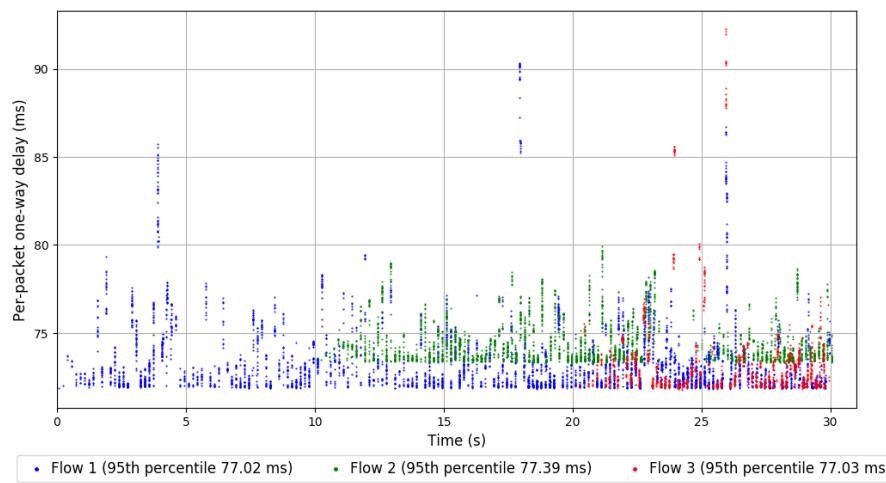
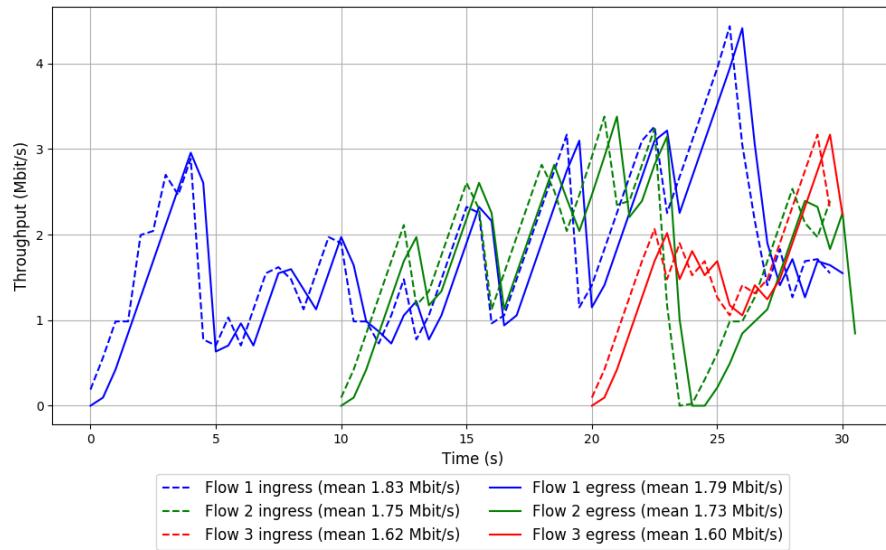


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-17 23:35:16
End at: 2019-07-17 23:35:46
Local clock offset: -6.766 ms
Remote clock offset: -0.852 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 77.196 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 77.022 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 77.388 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 77.026 ms
Loss rate: 1.18%
```

Run 2: Report of LEDBAT — Data Link

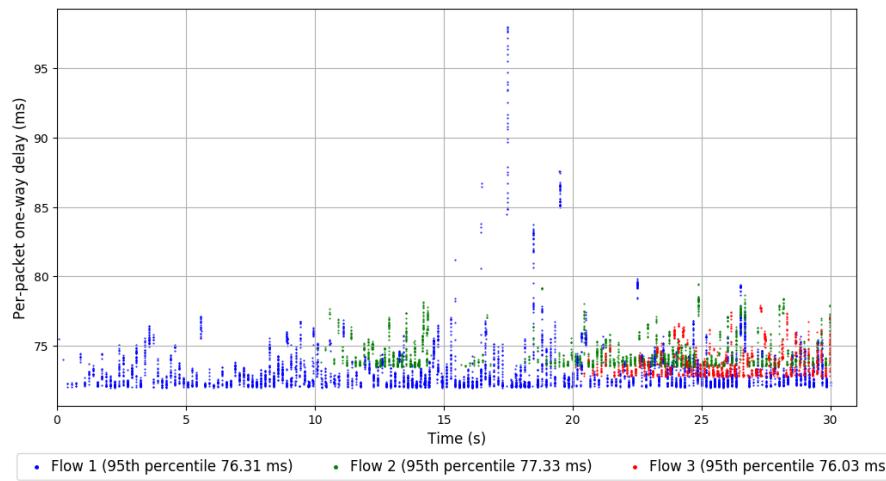
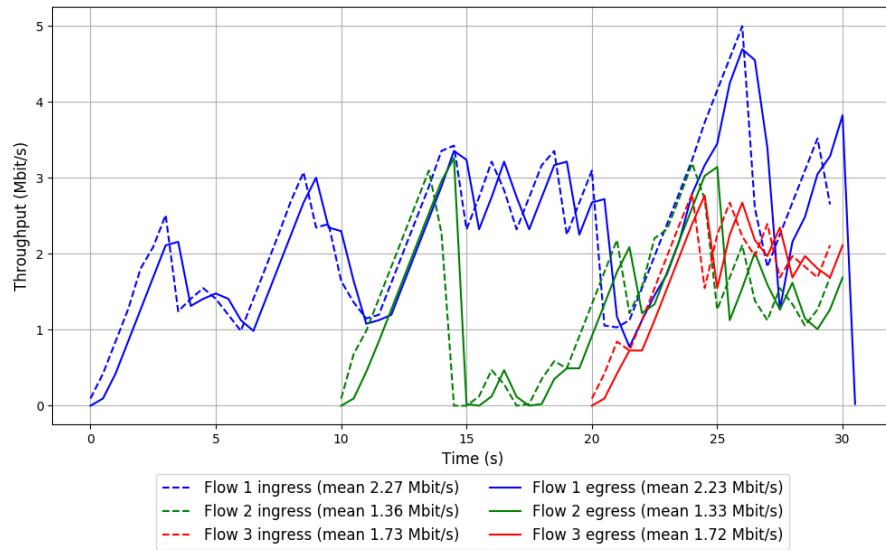


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-18 00:05:32
End at: 2019-07-18 00:06:02
Local clock offset: -4.752 ms
Remote clock offset: -6.095 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 76.622 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 76.315 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 77.328 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 76.035 ms
Loss rate: 0.75%
```

Run 3: Report of LEDBAT — Data Link

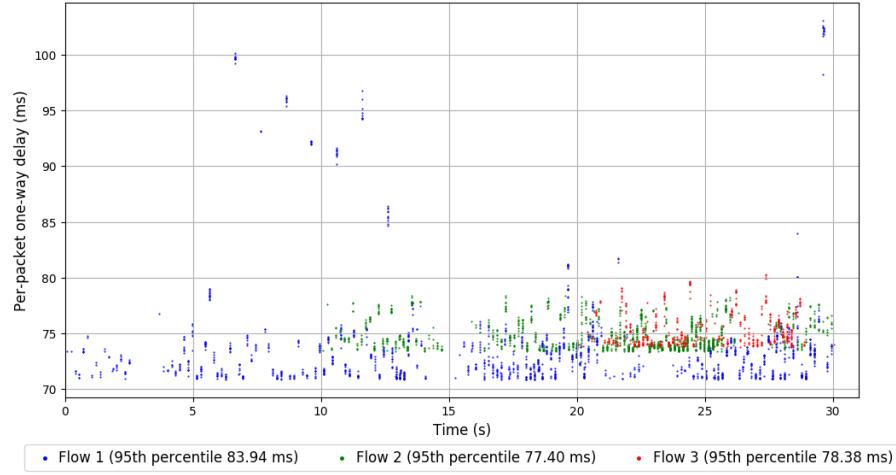
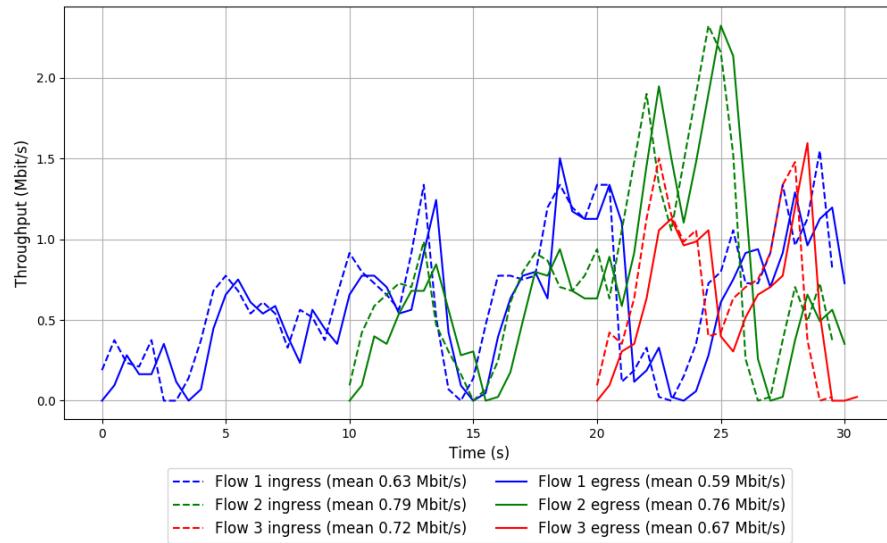


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-18 00:35:54
End at: 2019-07-18 00:36:24
Local clock offset: -2.481 ms
Remote clock offset: -9.063 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 77.946 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 83.942 ms
Loss rate: 6.58%
-- Flow 2:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 77.396 ms
Loss rate: 4.54%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 78.376 ms
Loss rate: 7.52%
```

Run 4: Report of LEDBAT — Data Link

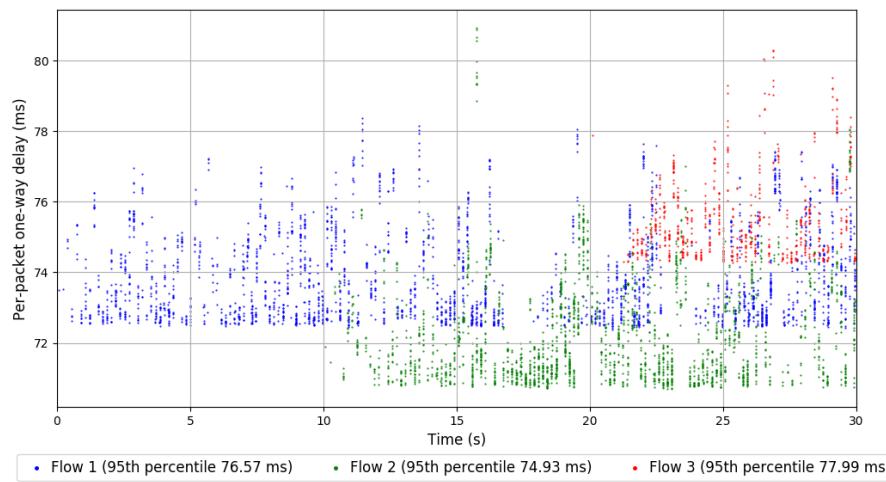
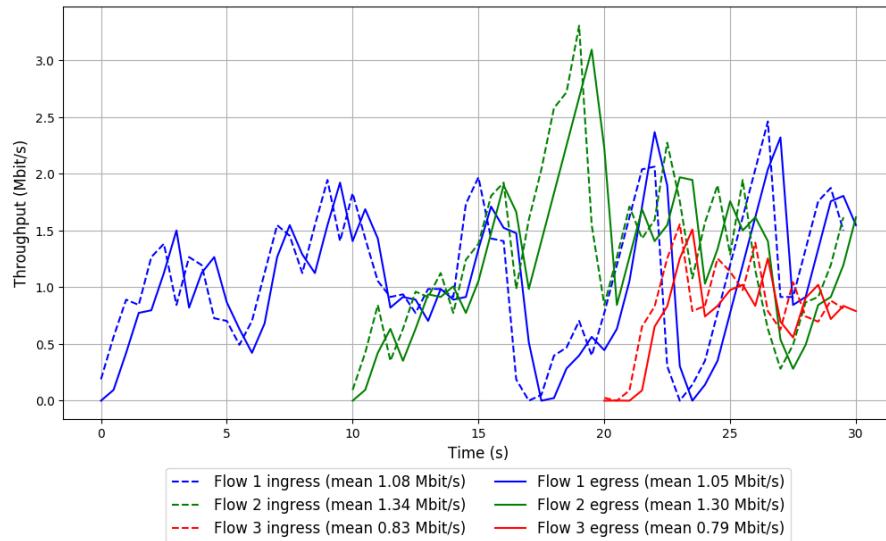


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-18 01:06:37
End at: 2019-07-18 01:07:07
Local clock offset: -6.012 ms
Remote clock offset: -9.529 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 76.593 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 76.570 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 74.927 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 77.994 ms
Loss rate: 5.24%
```

Run 5: Report of LEDBAT — Data Link

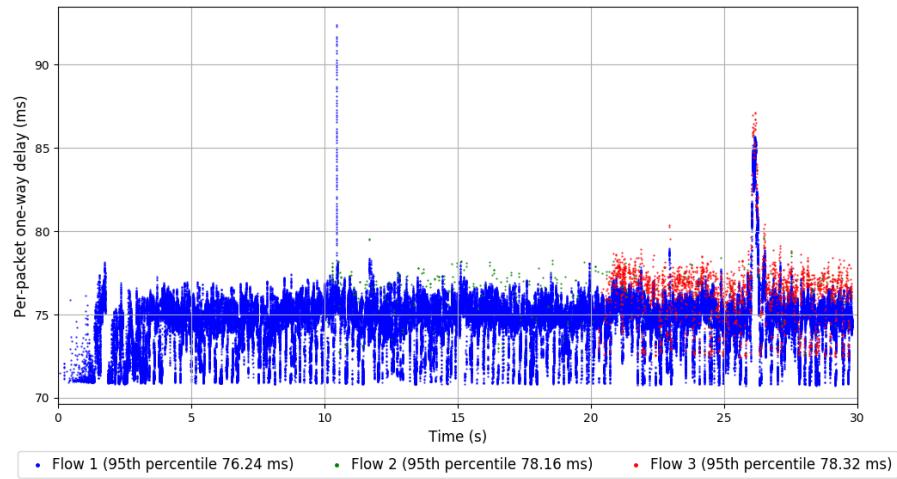
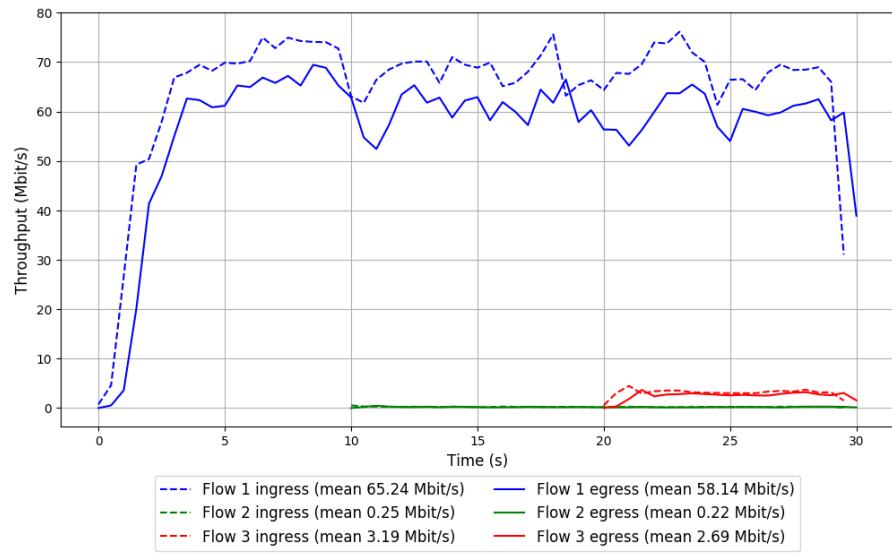


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 23:12:17
End at: 2019-07-17 23:12:47
Local clock offset: -7.715 ms
Remote clock offset: -6.016 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 76.353 ms
Loss rate: 10.96%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 76.242 ms
Loss rate: 10.88%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.161 ms
Loss rate: 12.00%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 78.320 ms
Loss rate: 15.86%
```

Run 1: Report of Muses\_DecisionTree — Data Link

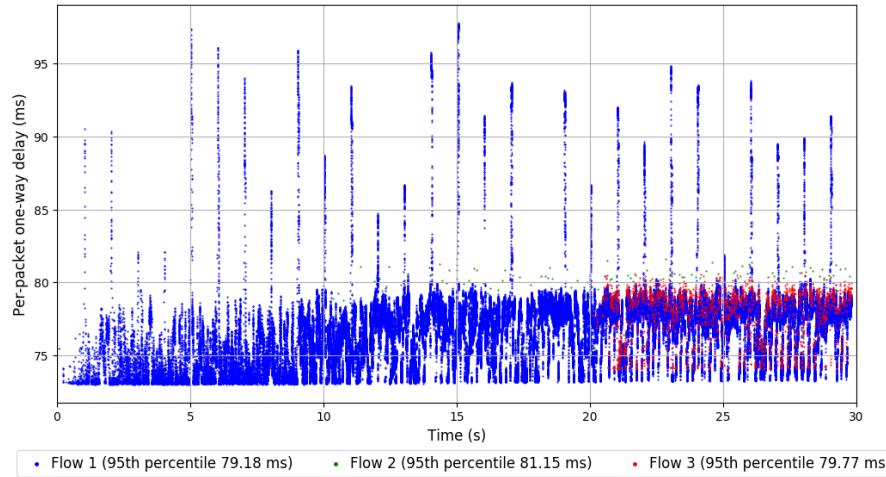
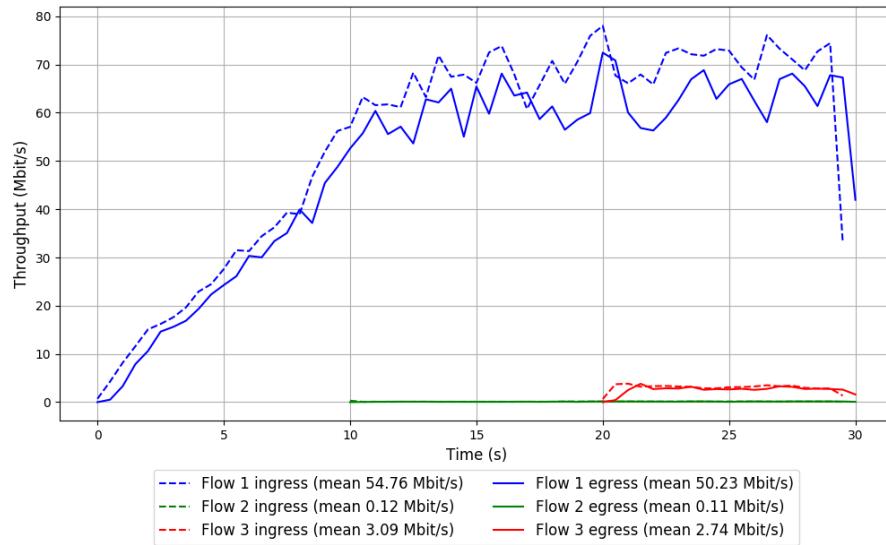


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 23:42:50
End at: 2019-07-17 23:43:20
Local clock offset: -5.915 ms
Remote clock offset: 1.007 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 79.240 ms
Loss rate: 8.32%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 79.177 ms
Loss rate: 8.26%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 81.147 ms
Loss rate: 12.25%
-- Flow 3:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 79.769 ms
Loss rate: 11.15%
```

Run 2: Report of Muses\_DecisionTree — Data Link

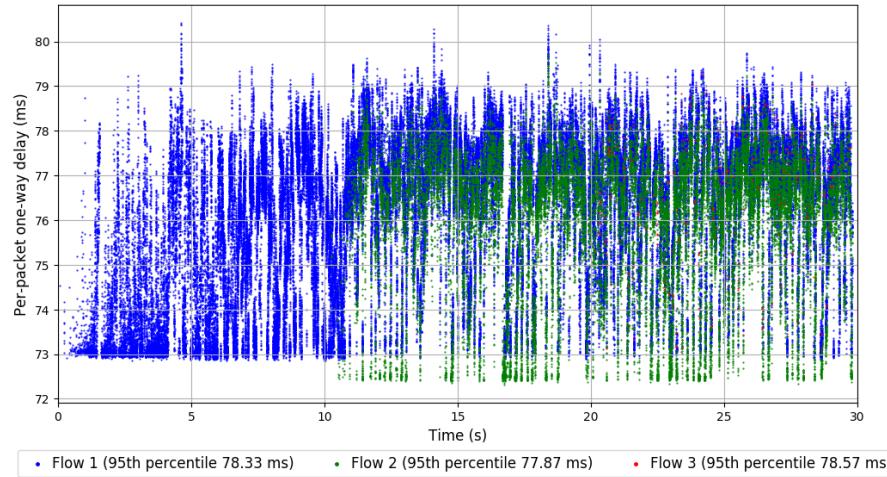
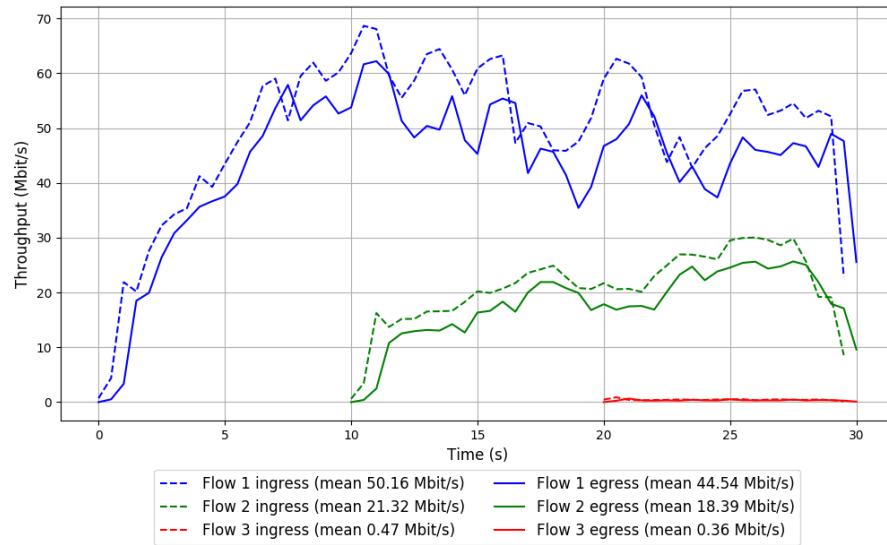


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 00:12:58
End at: 2019-07-18 00:13:28
Local clock offset: -3.659 ms
Remote clock offset: -6.764 ms

# Below is generated by plot.py at 2019-07-18 01:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 78.256 ms
Loss rate: 11.78%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 78.328 ms
Loss rate: 11.20%
-- Flow 2:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 77.867 ms
Loss rate: 13.75%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 78.568 ms
Loss rate: 23.17%
```

Run 3: Report of Muses\_DecisionTree — Data Link

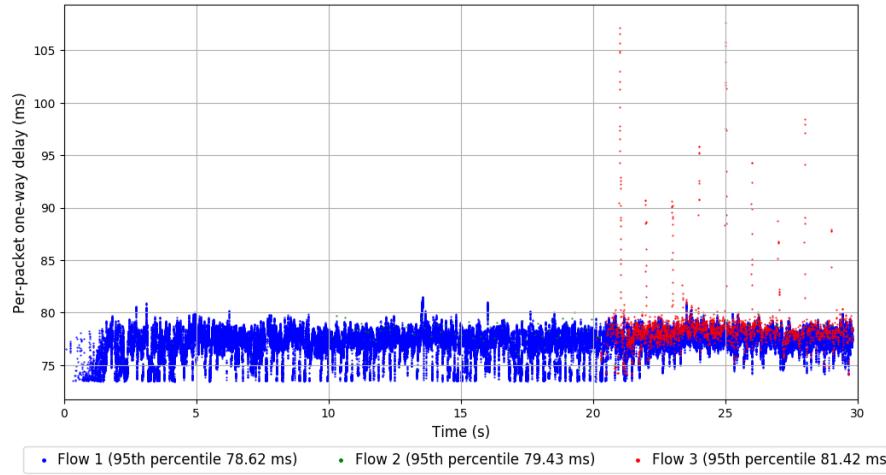
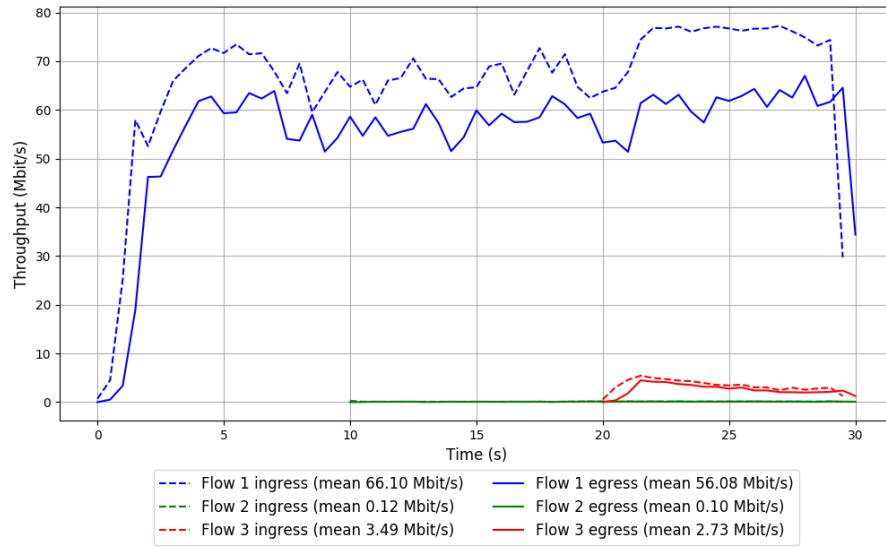


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 00:43:37
End at: 2019-07-18 00:44:07
Local clock offset: -3.042 ms
Remote clock offset: -8.465 ms

# Below is generated by plot.py at 2019-07-18 01:29:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 78.652 ms
Loss rate: 15.27%
-- Flow 1:
Average throughput: 56.08 Mbit/s
95th percentile per-packet one-way delay: 78.618 ms
Loss rate: 15.15%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 79.427 ms
Loss rate: 19.11%
-- Flow 3:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 81.419 ms
Loss rate: 21.70%
```

Run 4: Report of Muses\_DecisionTree — Data Link

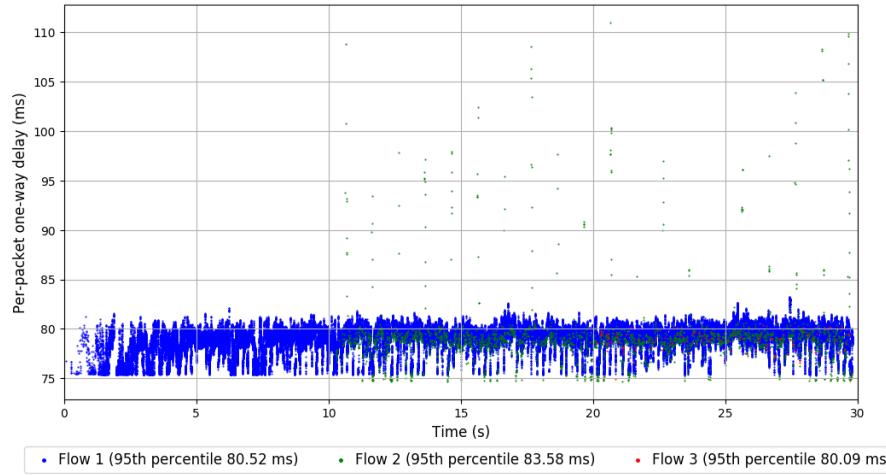
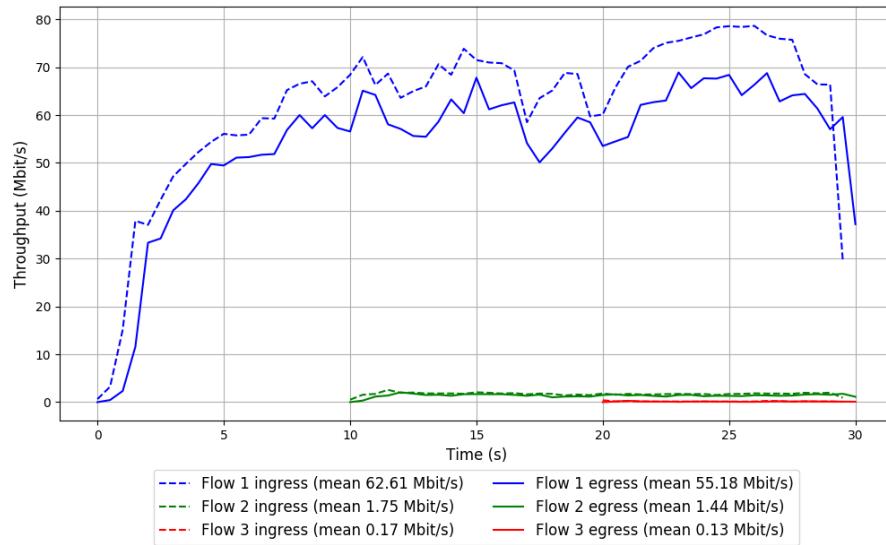


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 01:14:04
End at: 2019-07-18 01:14:34
Local clock offset: -6.109 ms
Remote clock offset: -6.916 ms

# Below is generated by plot.py at 2019-07-18 01:29:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 80.522 ms
Loss rate: 11.97%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 80.521 ms
Loss rate: 11.85%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 83.583 ms
Loss rate: 17.76%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 80.090 ms
Loss rate: 21.16%
```

Run 5: Report of Muses\_DecisionTree — Data Link

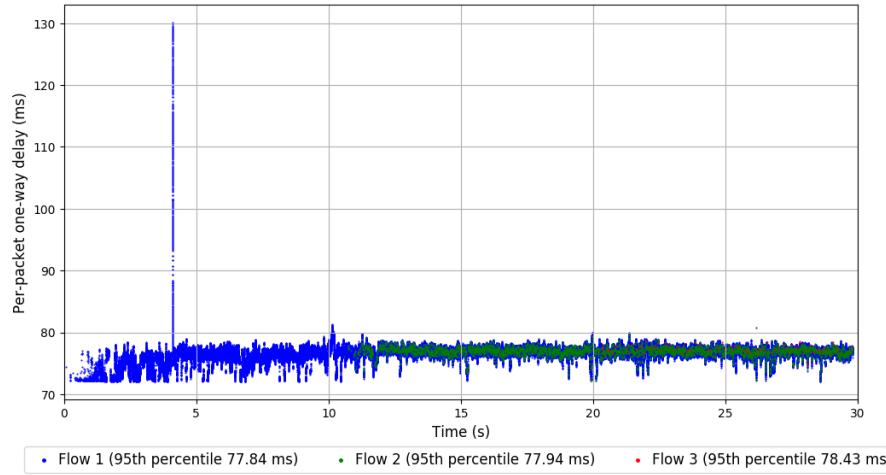
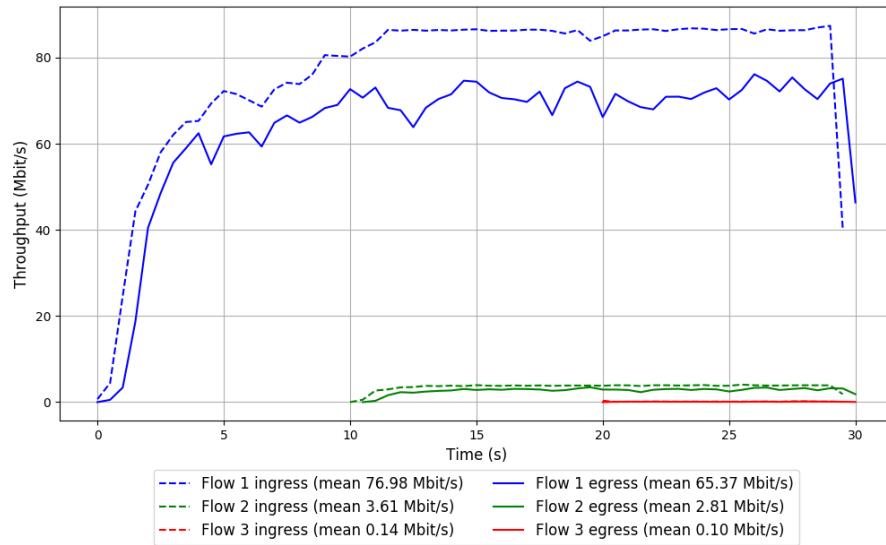


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 23:05:58
End at: 2019-07-17 23:06:28
Local clock offset: -7.667 ms
Remote clock offset: -8.574 ms

# Below is generated by plot.py at 2019-07-18 01:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 77.850 ms
Loss rate: 15.35%
-- Flow 1:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 77.845 ms
Loss rate: 15.07%
-- Flow 2:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 77.943 ms
Loss rate: 24.07%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 78.427 ms
Loss rate: 26.49%
```

Run 1: Report of Muses\_DecisionTreeH0 — Data Link

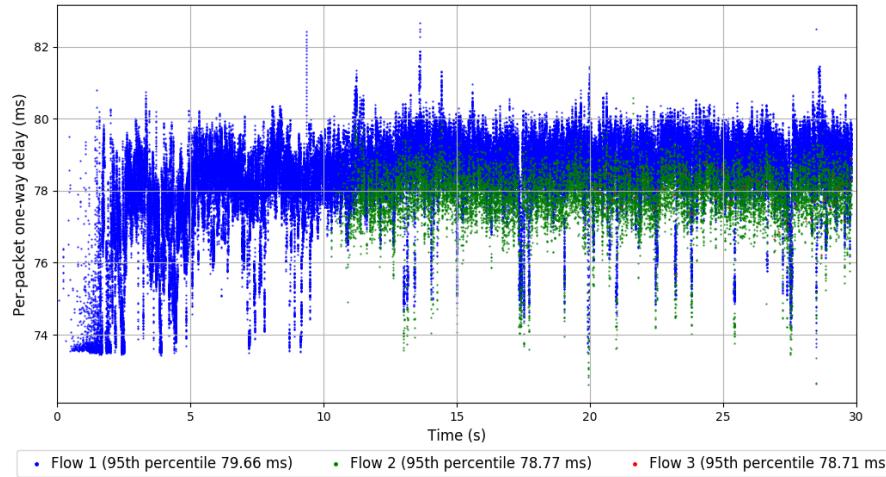
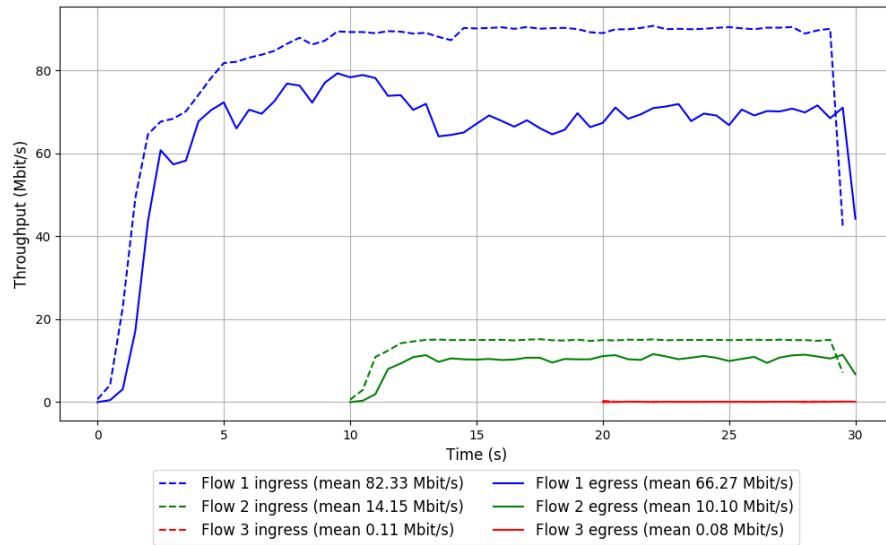


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 23:36:29
End at: 2019-07-17 23:36:59
Local clock offset: -5.961 ms
Remote clock offset: -0.837 ms

# Below is generated by plot.py at 2019-07-18 01:30:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 79.635 ms
Loss rate: 20.43%
-- Flow 1:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 79.660 ms
Loss rate: 19.50%
-- Flow 2:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 78.767 ms
Loss rate: 28.63%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 78.706 ms
Loss rate: 24.43%
```

Run 2: Report of Muses\_DecisionTreeH0 — Data Link

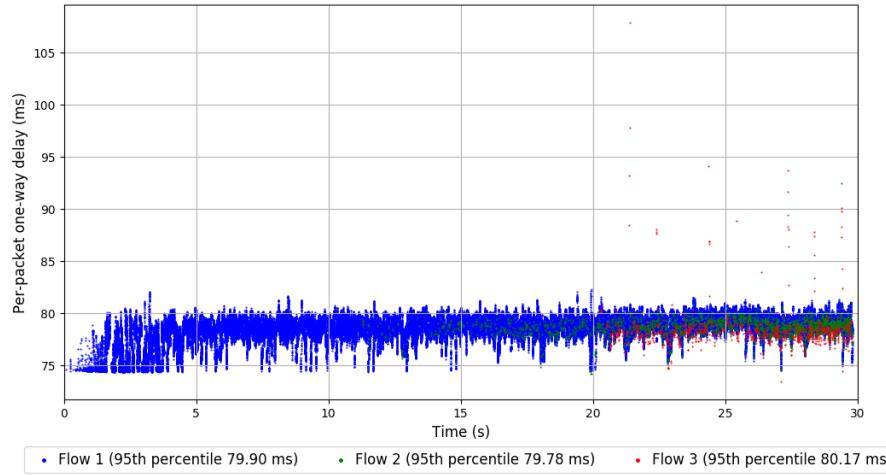
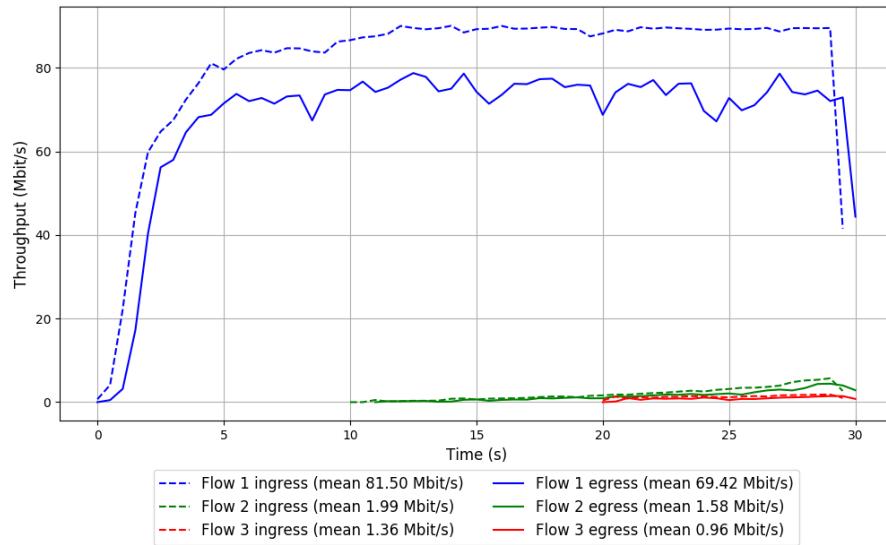


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 00:06:45
End at: 2019-07-18 00:07:15
Local clock offset: -4.858 ms
Remote clock offset: -5.798 ms

# Below is generated by plot.py at 2019-07-18 01:30:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 79.897 ms
Loss rate: 15.05%
-- Flow 1:
Average throughput: 69.42 Mbit/s
95th percentile per-packet one-way delay: 79.899 ms
Loss rate: 14.81%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 79.776 ms
Loss rate: 24.57%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 80.165 ms
Loss rate: 29.94%
```

Run 3: Report of Muses\_DecisionTreeH0 — Data Link

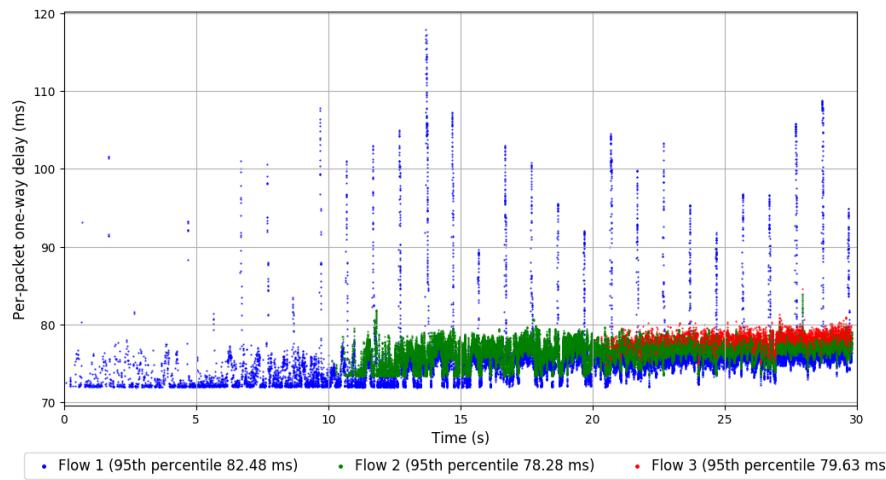
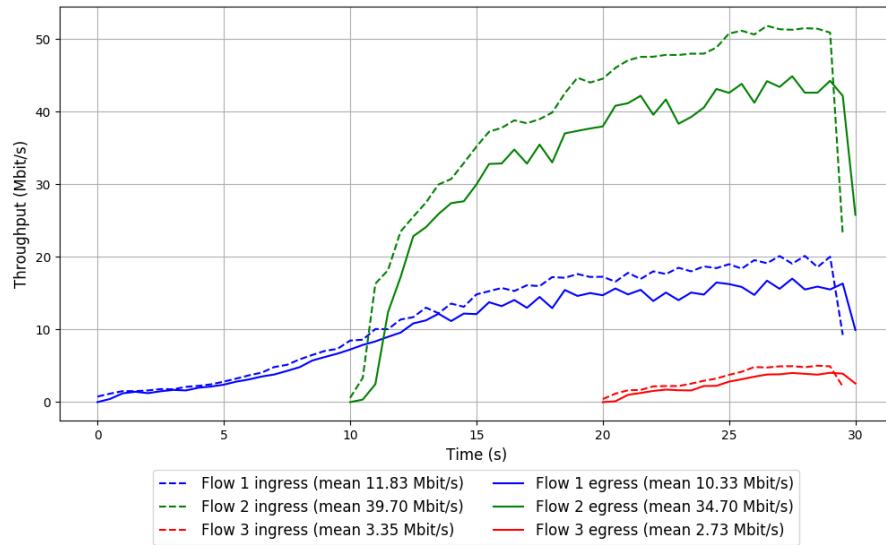


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 00:37:08
End at: 2019-07-18 00:37:38
Local clock offset: -3.529 ms
Remote clock offset: -9.141 ms

# Below is generated by plot.py at 2019-07-18 01:30:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 78.499 ms
Loss rate: 12.75%
-- Flow 1:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 82.482 ms
Loss rate: 12.63%
-- Flow 2:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 78.277 ms
Loss rate: 12.58%
-- Flow 3:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 79.630 ms
Loss rate: 18.37%
```

Run 4: Report of Muses\_DecisionTreeH0 — Data Link

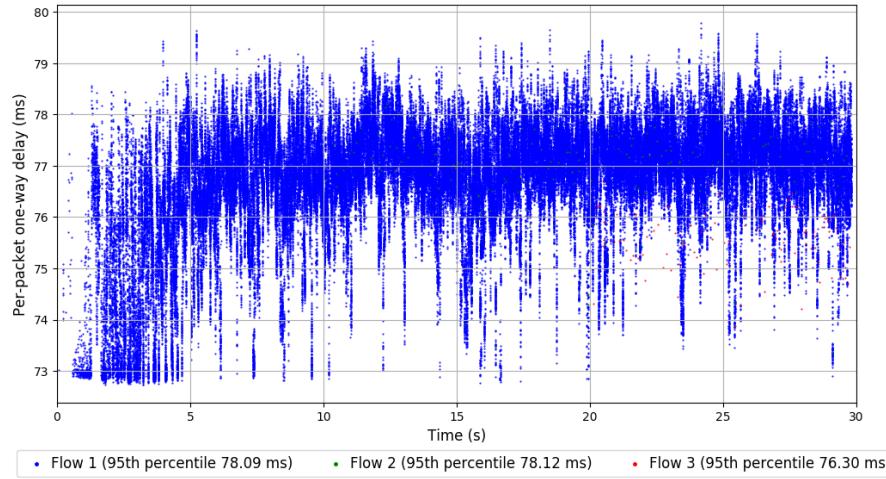
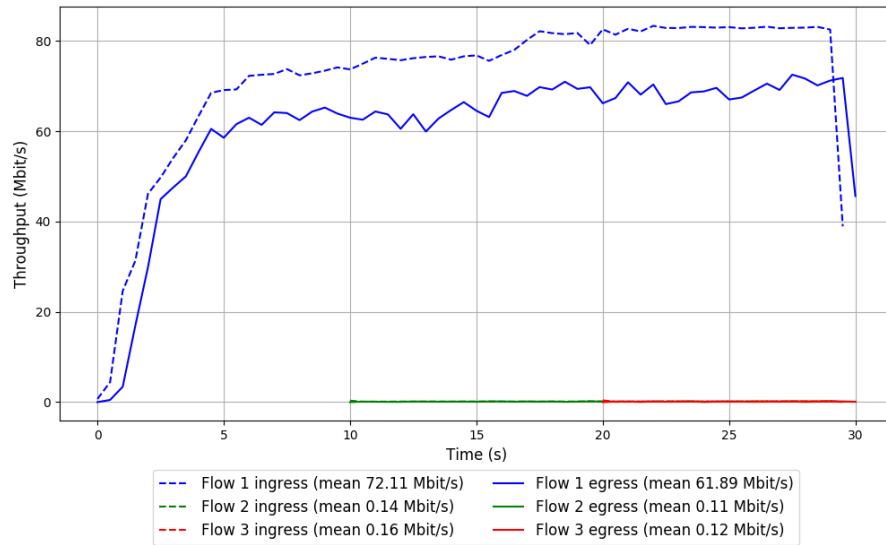


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 01:07:50
End at: 2019-07-18 01:08:20
Local clock offset: -5.715 ms
Remote clock offset: -8.754 ms

# Below is generated by plot.py at 2019-07-18 01:30:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 78.093 ms
Loss rate: 14.17%
-- Flow 1:
Average throughput: 61.89 Mbit/s
95th percentile per-packet one-way delay: 78.093 ms
Loss rate: 14.16%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 78.122 ms
Loss rate: 20.66%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 76.296 ms
Loss rate: 25.38%
```

Run 5: Report of Muses\_DecisionTreeH0 — Data Link

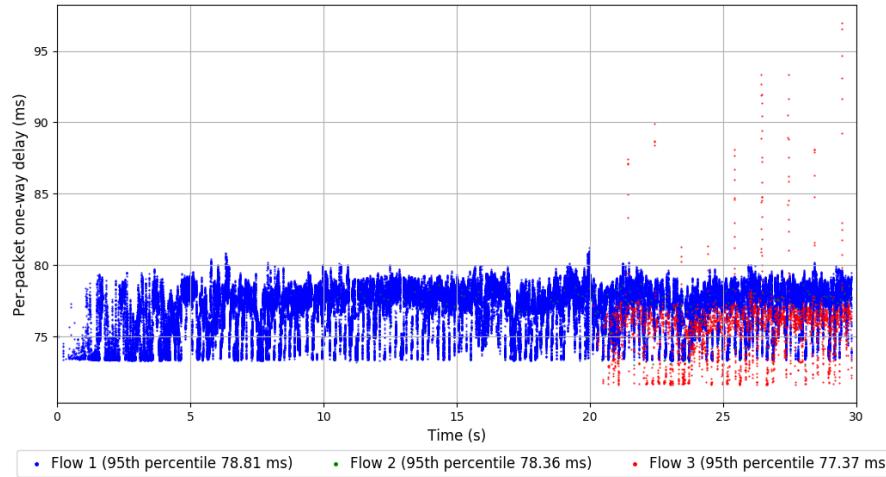
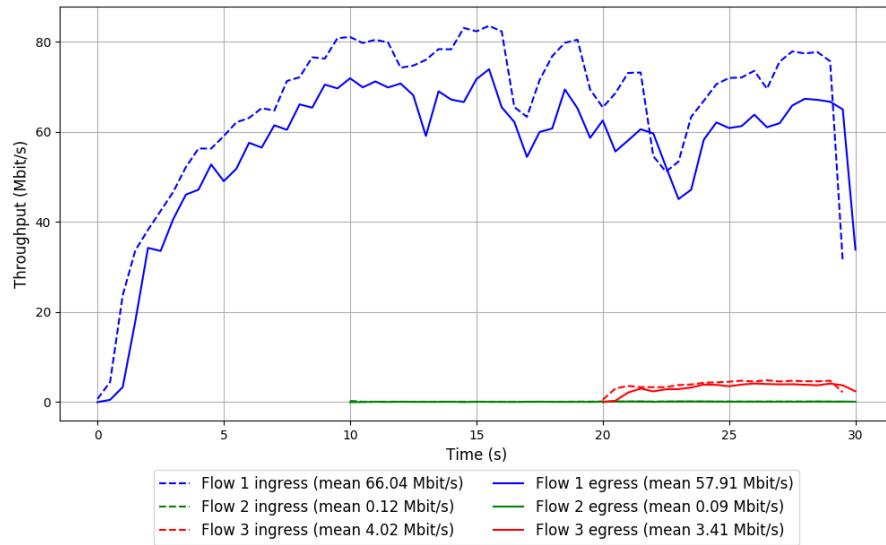


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 23:03:29
End at: 2019-07-17 23:03:59
Local clock offset: -6.92 ms
Remote clock offset: -7.499 ms

# Below is generated by plot.py at 2019-07-18 01:30:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 78.804 ms
Loss rate: 12.37%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 78.806 ms
Loss rate: 12.30%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 78.355 ms
Loss rate: 21.78%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 77.371 ms
Loss rate: 15.36%
```

Run 1: Report of Muses\_DecisionTreeR0 — Data Link

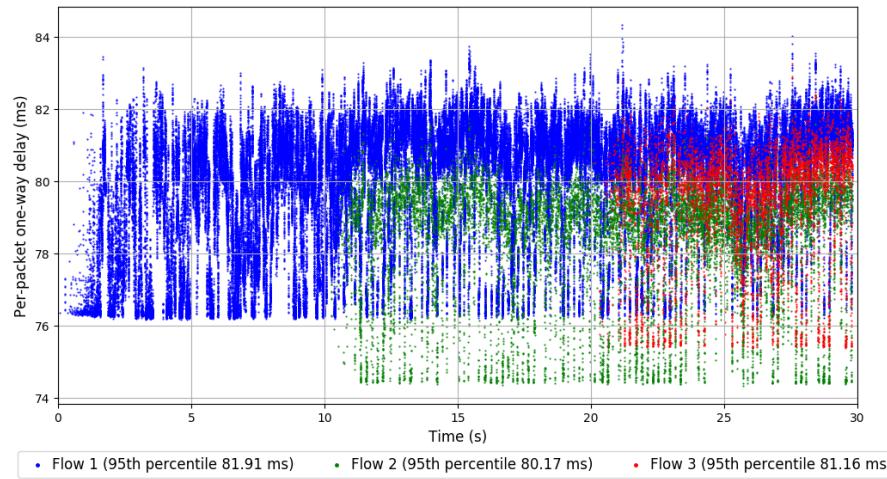
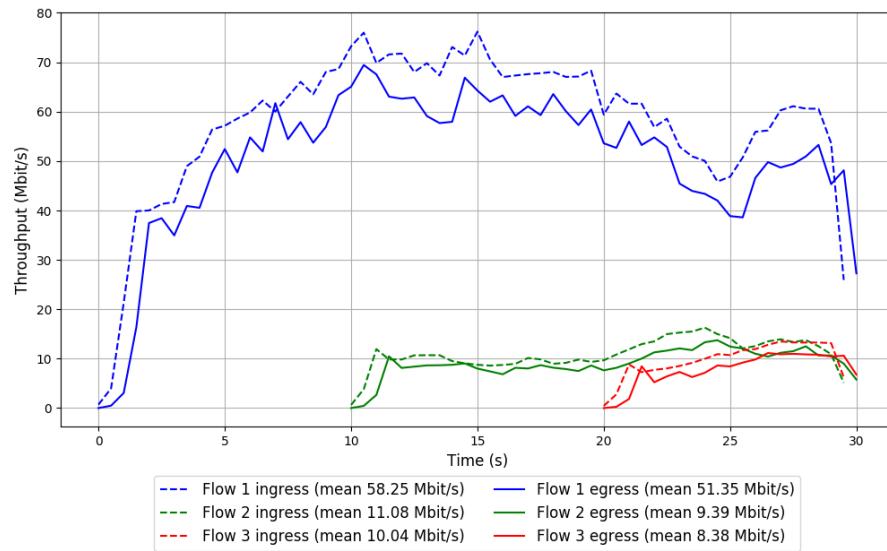


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 23:33:59
End at: 2019-07-17 23:34:29
Local clock offset: -6.262 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at 2019-07-18 01:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 81.859 ms
Loss rate: 12.42%
-- Flow 1:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 81.910 ms
Loss rate: 11.84%
-- Flow 2:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 80.172 ms
Loss rate: 15.22%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 81.161 ms
Loss rate: 16.53%
```

Run 2: Report of Muses\_DecisionTreeR0 — Data Link

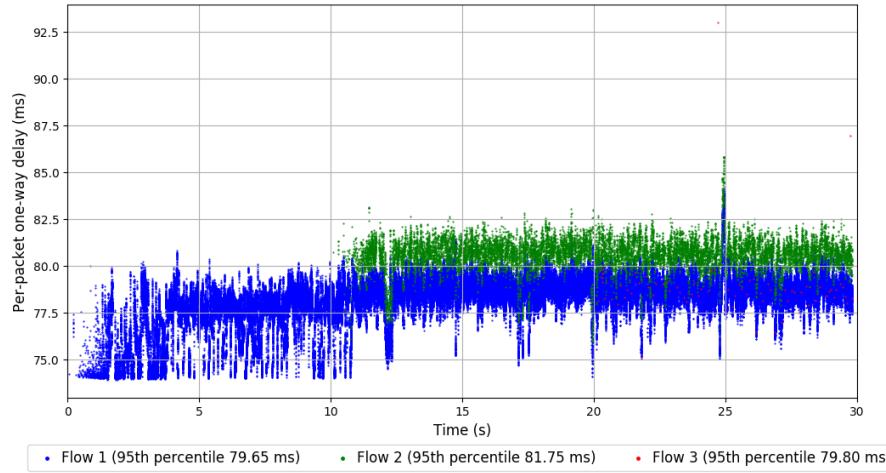
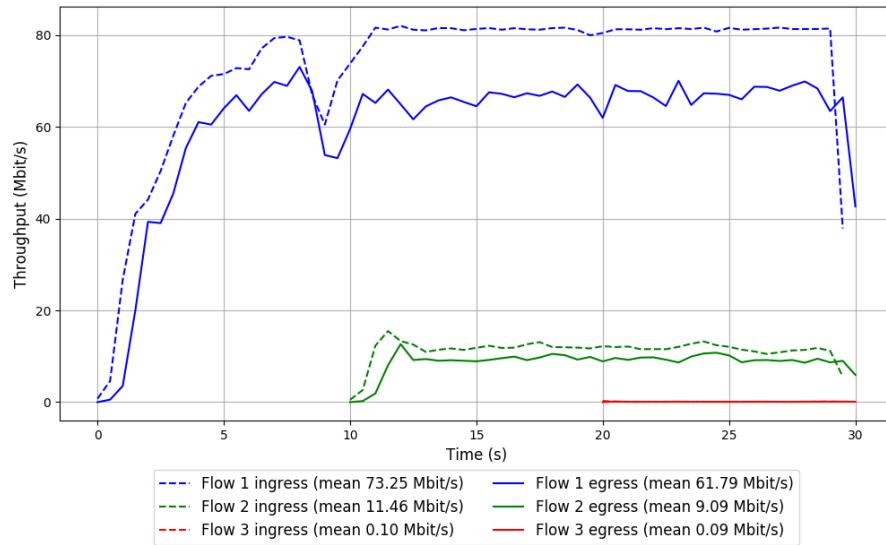


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 00:04:16
End at: 2019-07-18 00:04:46
Local clock offset: -5.133 ms
Remote clock offset: -3.892 ms

# Below is generated by plot.py at 2019-07-18 01:30:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 80.679 ms
Loss rate: 16.11%
-- Flow 1:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 79.654 ms
Loss rate: 15.63%
-- Flow 2:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 81.748 ms
Loss rate: 20.70%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 79.795 ms
Loss rate: 13.95%
```

Run 3: Report of Muses\_DecisionTreeR0 — Data Link

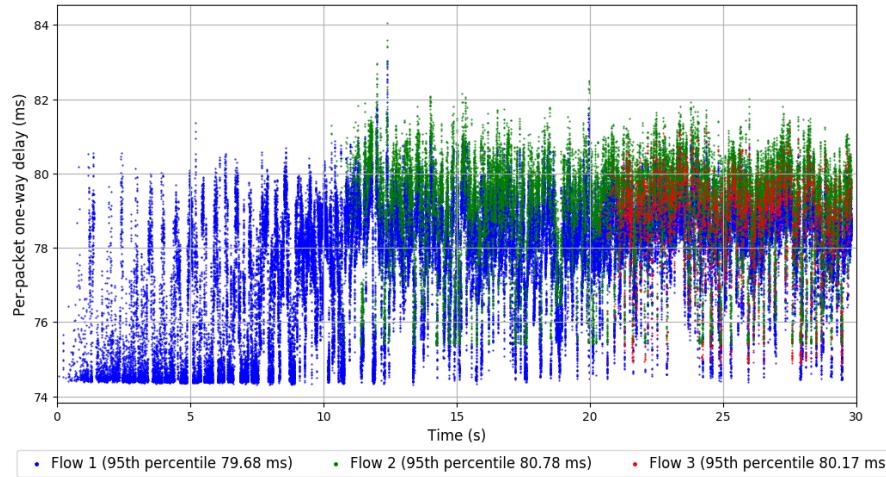
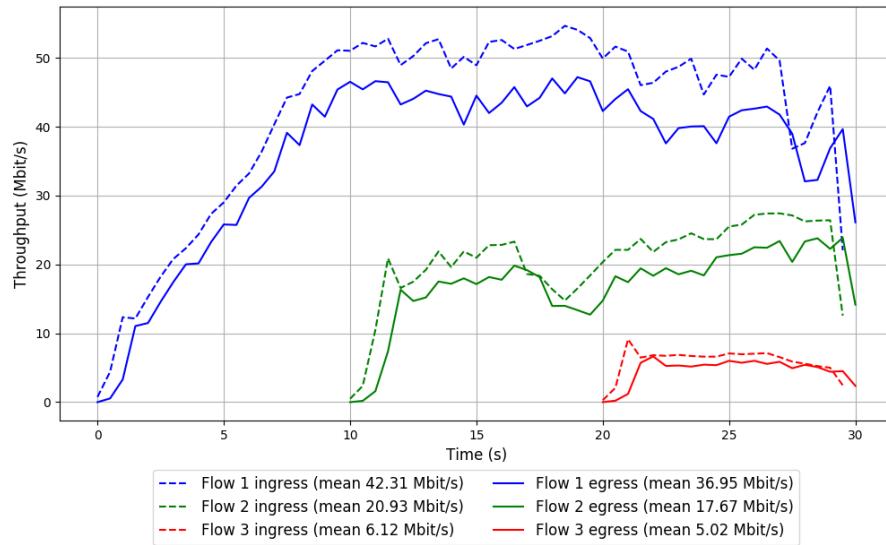


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 00:34:30
End at: 2019-07-18 00:35:00
Local clock offset: -2.556 ms
Remote clock offset: -7.2 ms

# Below is generated by plot.py at 2019-07-18 01:30:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 80.218 ms
Loss rate: 13.53%
-- Flow 1:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 79.683 ms
Loss rate: 12.65%
-- Flow 2:
Average throughput: 17.67 Mbit/s
95th percentile per-packet one-way delay: 80.781 ms
Loss rate: 15.59%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 80.170 ms
Loss rate: 17.92%
```

Run 4: Report of Muses\_DecisionTreeR0 — Data Link

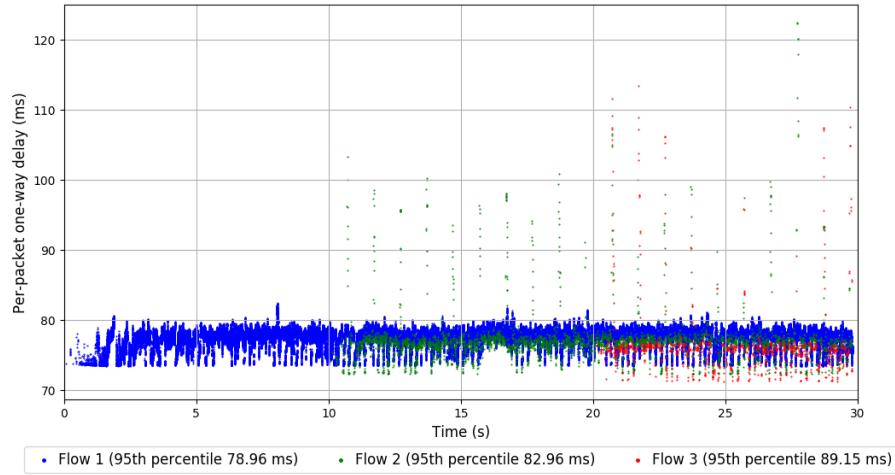
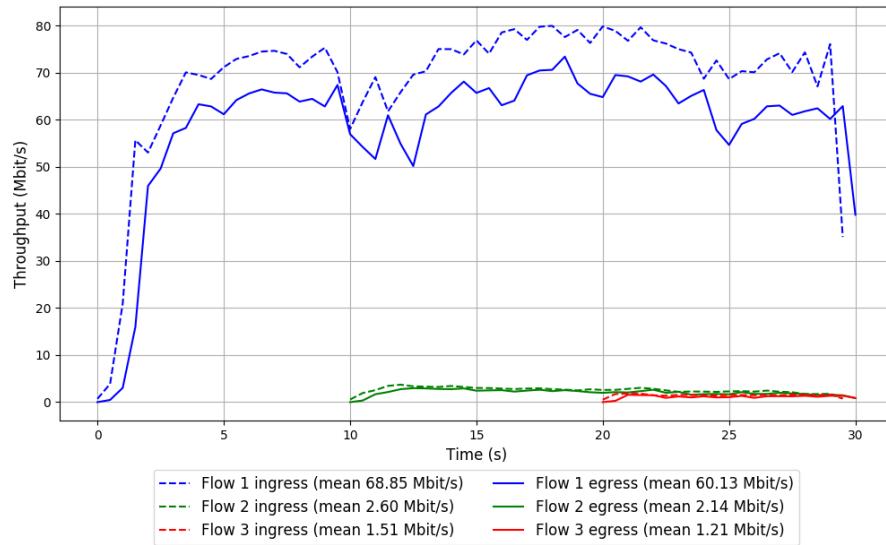


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 01:05:21
End at: 2019-07-18 01:05:51
Local clock offset: -5.839 ms
Remote clock offset: -9.035 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 78.966 ms
Loss rate: 12.83%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 78.961 ms
Loss rate: 12.67%
-- Flow 2:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 82.960 ms
Loss rate: 17.59%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 89.154 ms
Loss rate: 19.76%
```

Run 5: Report of Muses\_DecisionTreeR0 — Data Link

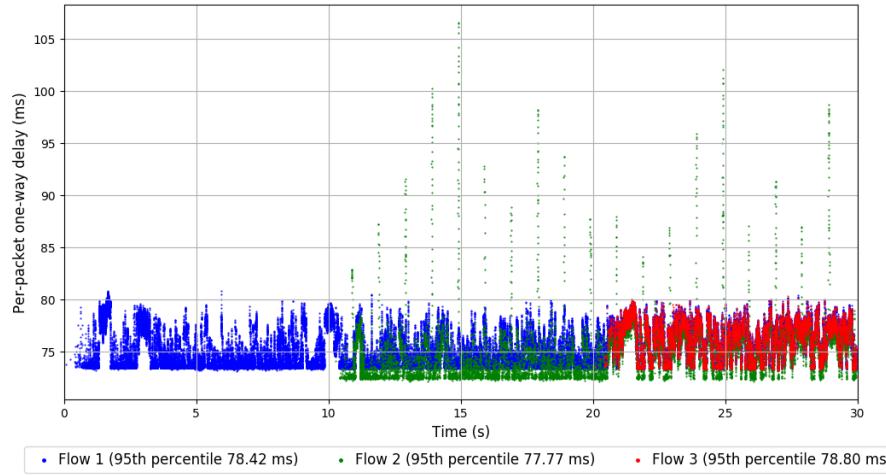
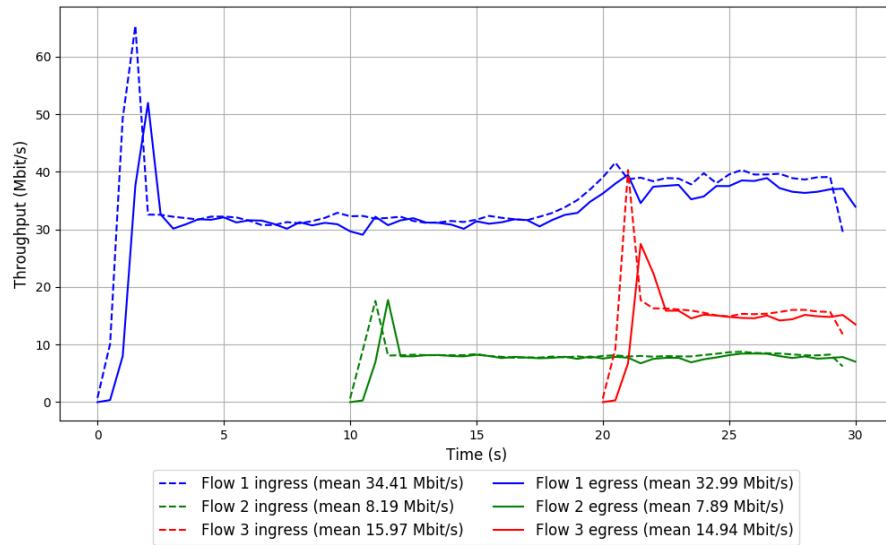


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-07-17 23:07:15
End at: 2019-07-17 23:07:45
Local clock offset: -7.659 ms
Remote clock offset: -7.273 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.17 Mbit/s
95th percentile per-packet one-way delay: 78.487 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 78.424 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 77.771 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 78.804 ms
Loss rate: 6.42%
```

Run 1: Report of PCC-Allegro — Data Link

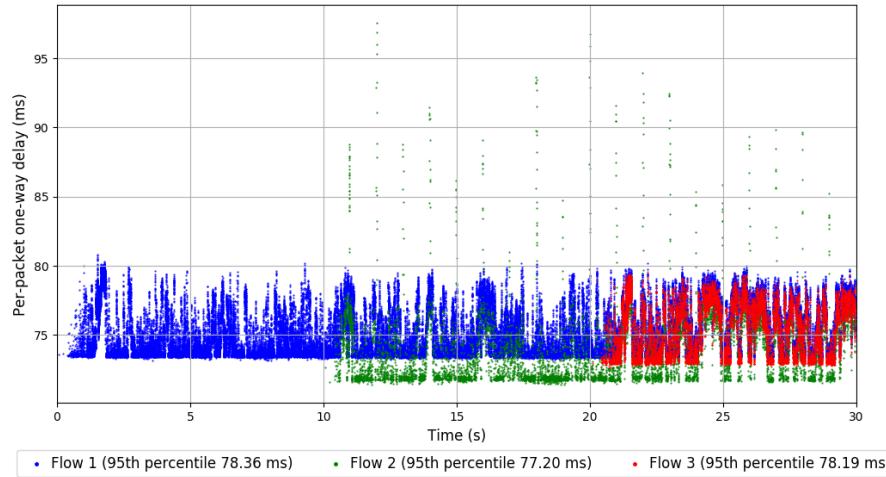
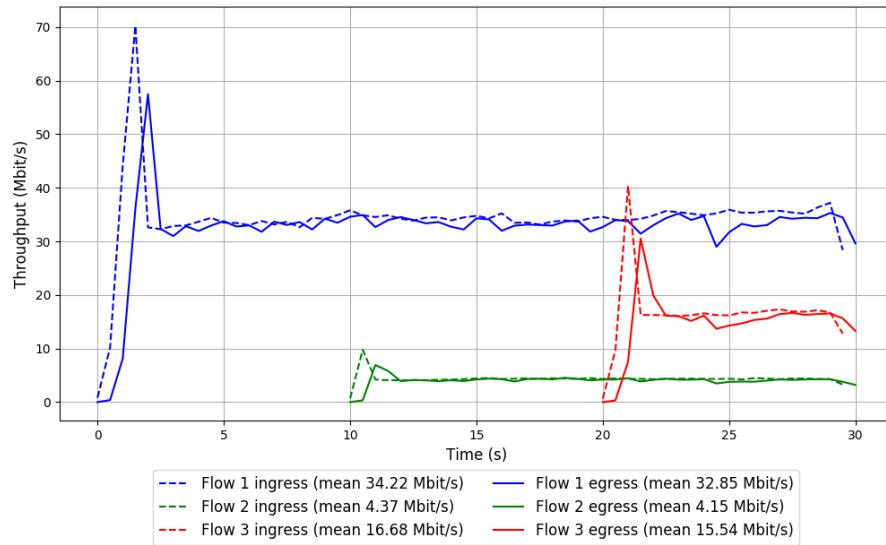


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-17 23:37:47
End at: 2019-07-17 23:38:17
Local clock offset: -6.65 ms
Remote clock offset: -1.003 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 78.320 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 78.365 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 77.202 ms
Loss rate: 5.09%
-- Flow 3:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 78.193 ms
Loss rate: 6.78%
```

Run 2: Report of PCC-Allegro — Data Link

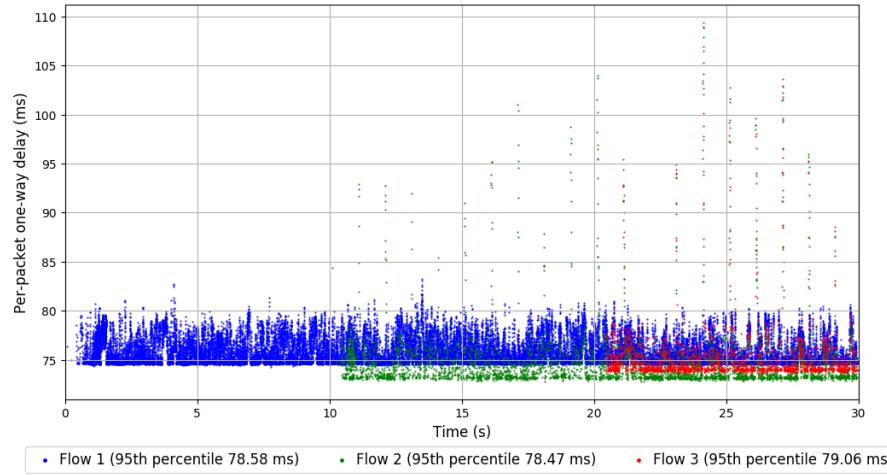
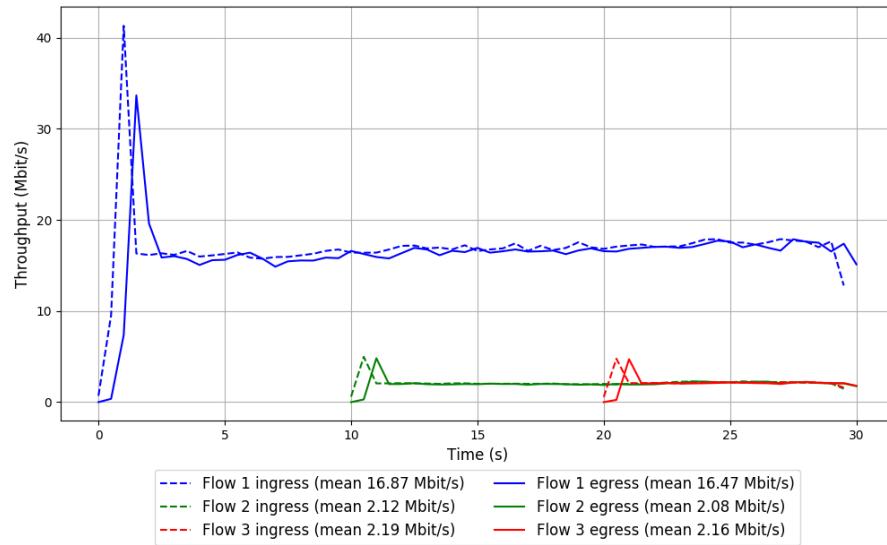


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-18 00:08:01
End at: 2019-07-18 00:08:31
Local clock offset: -3.764 ms
Remote clock offset: -3.885 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 78.584 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 78.578 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 78.469 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 79.059 ms
Loss rate: 1.68%
```

Run 3: Report of PCC-Allegro — Data Link

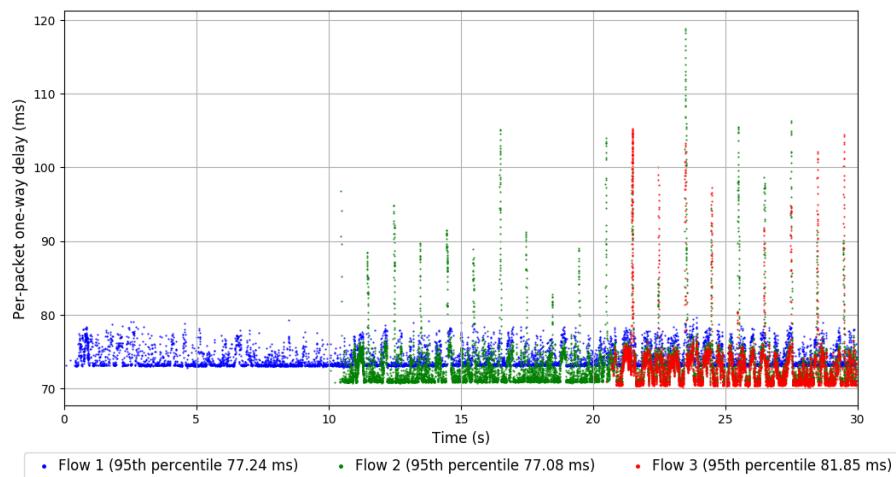
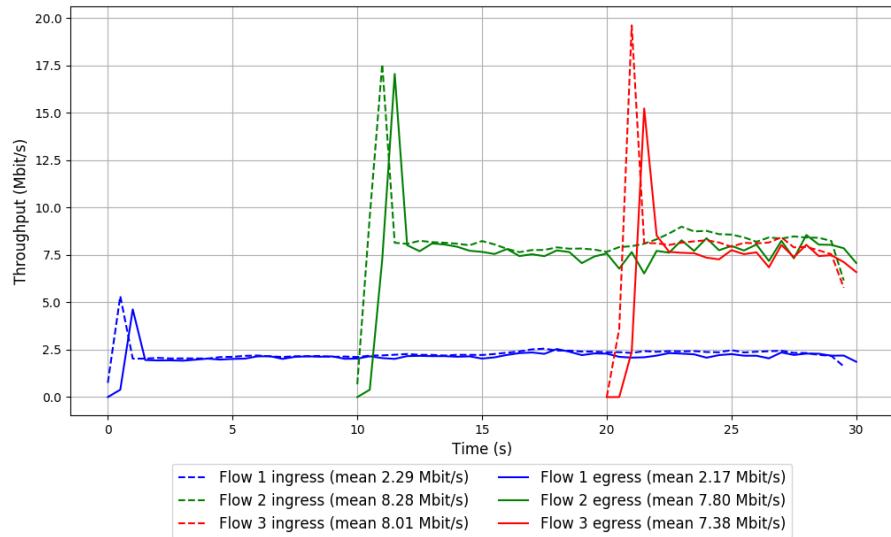


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-18 00:38:29
End at: 2019-07-18 00:38:59
Local clock offset: -2.419 ms
Remote clock offset: -10.014 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 77.369 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 77.243 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 77.076 ms
Loss rate: 5.81%
-- Flow 3:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 81.847 ms
Loss rate: 7.87%
```

Run 4: Report of PCC-Allegro — Data Link

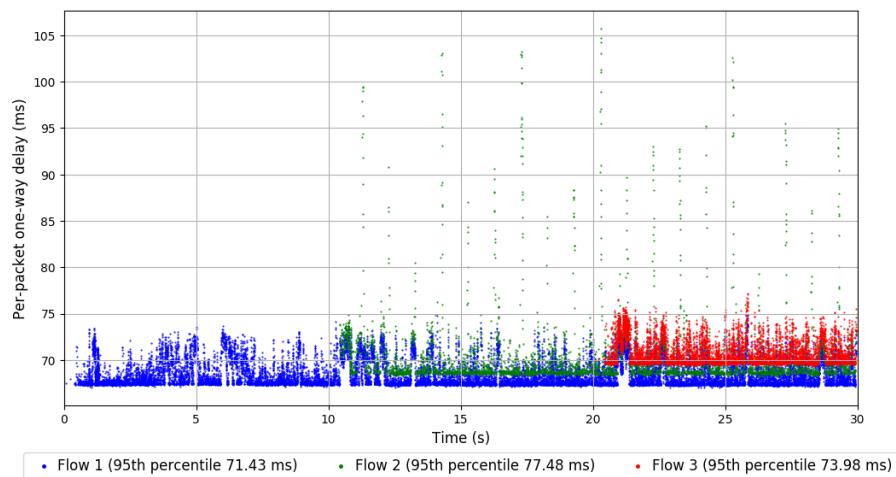
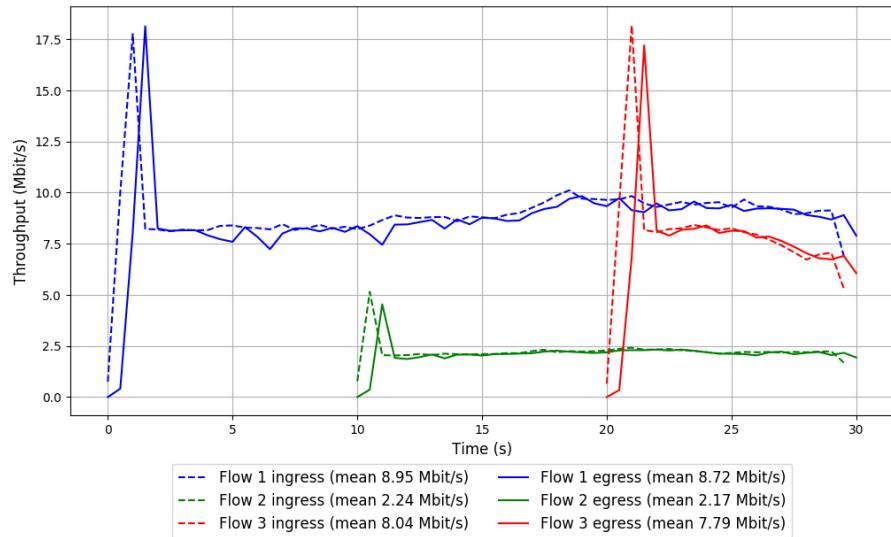


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-18 01:09:06
End at: 2019-07-18 01:09:36
Local clock offset: -6.381 ms
Remote clock offset: -13.267 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 72.814 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 71.430 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 77.478 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 73.977 ms
Loss rate: 3.00%
```

Run 5: Report of PCC-Allegro — Data Link

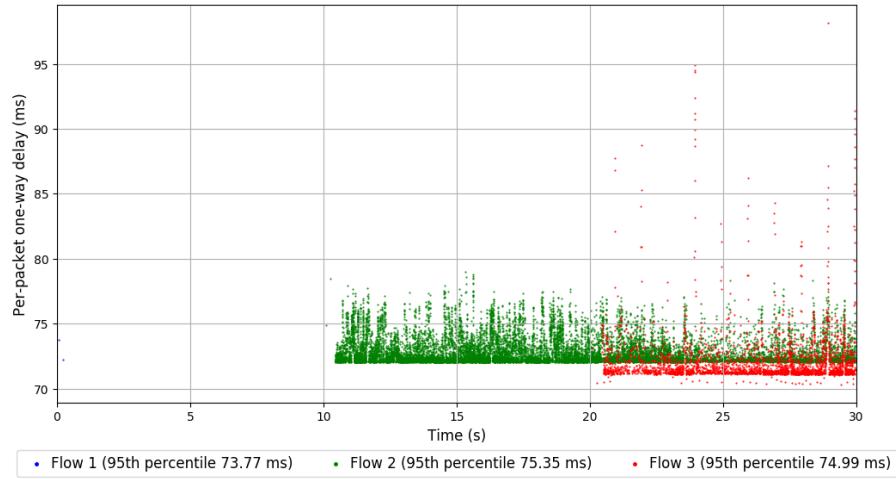
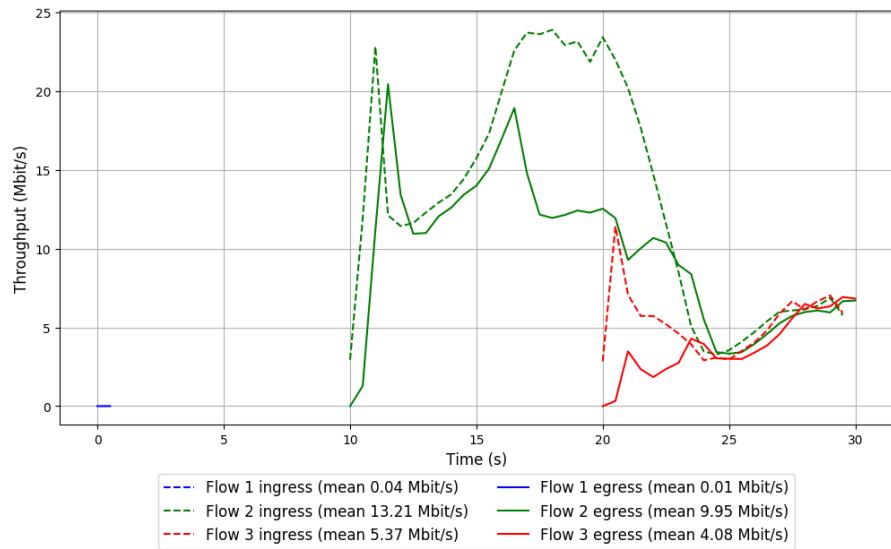


Run 1: Statistics of PCC-Expr

```
Start at: 2019-07-17 22:53:27
End at: 2019-07-17 22:53:57
Local clock offset: -8.151 ms
Remote clock offset: -9.29 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 75.308 ms
Loss rate: 24.60%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 73.772 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 75.349 ms
Loss rate: 24.70%
-- Flow 3:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 74.986 ms
Loss rate: 24.09%
```

Run 1: Report of PCC-Expr — Data Link

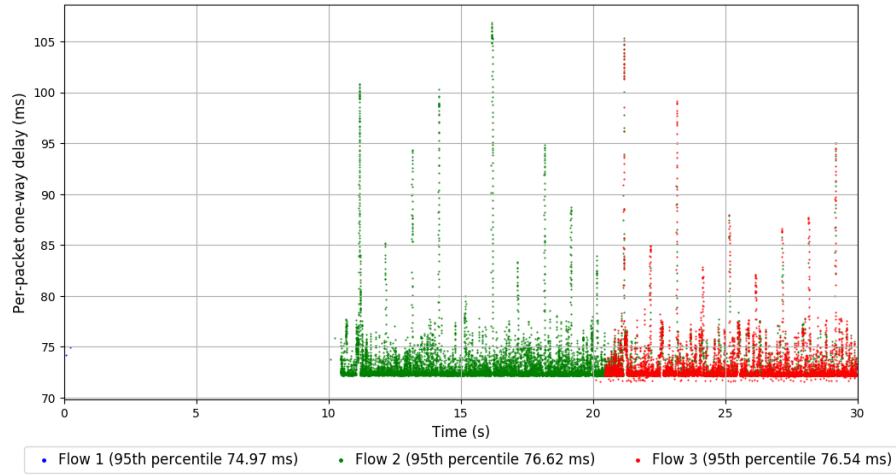
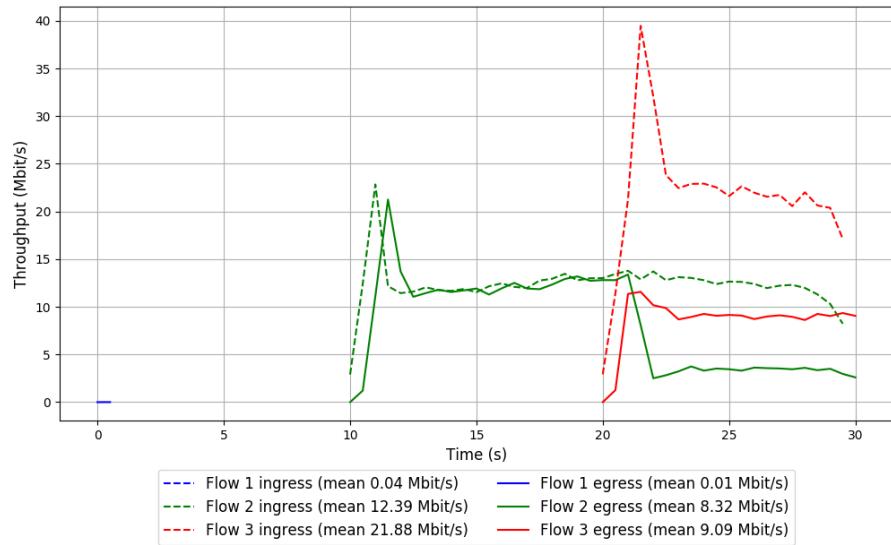


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-17 23:23:48
End at: 2019-07-17 23:24:18
Local clock offset: -7.708 ms
Remote clock offset: -2.626 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 76.574 ms
Loss rate: 44.84%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 74.972 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 76.621 ms
Loss rate: 32.90%
-- Flow 3:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 76.541 ms
Loss rate: 58.46%
```

Run 2: Report of PCC-Expr — Data Link

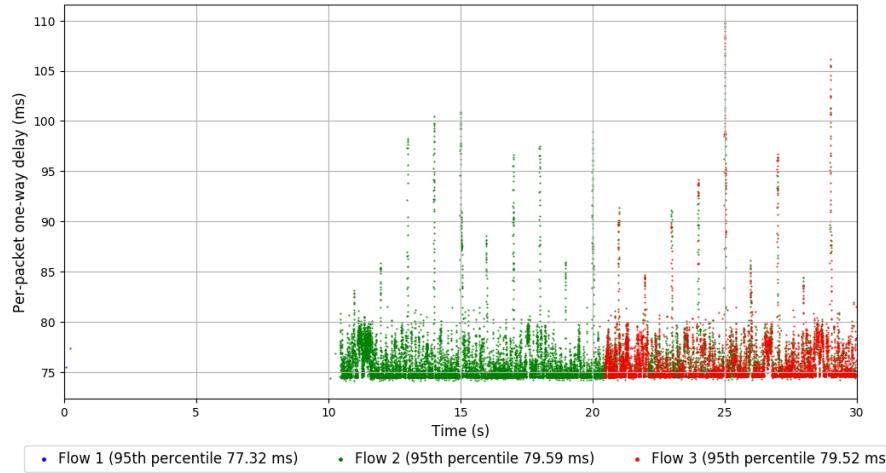
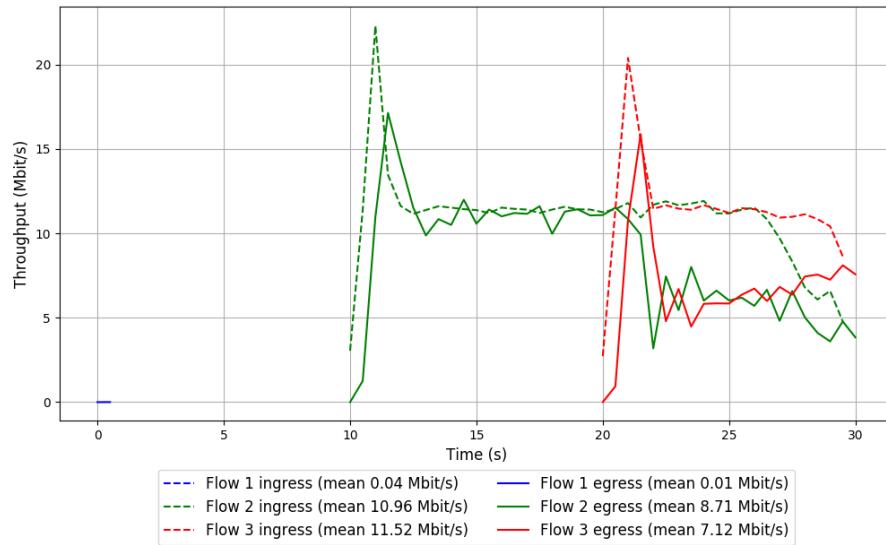


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-17 23:54:15
End at: 2019-07-17 23:54:45
Local clock offset: -6.297 ms
Remote clock offset: -2.845 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 79.559 ms
Loss rate: 26.57%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 77.316 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 79.588 ms
Loss rate: 20.48%
-- Flow 3:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 79.515 ms
Loss rate: 38.21%
```

Run 3: Report of PCC-Expr — Data Link

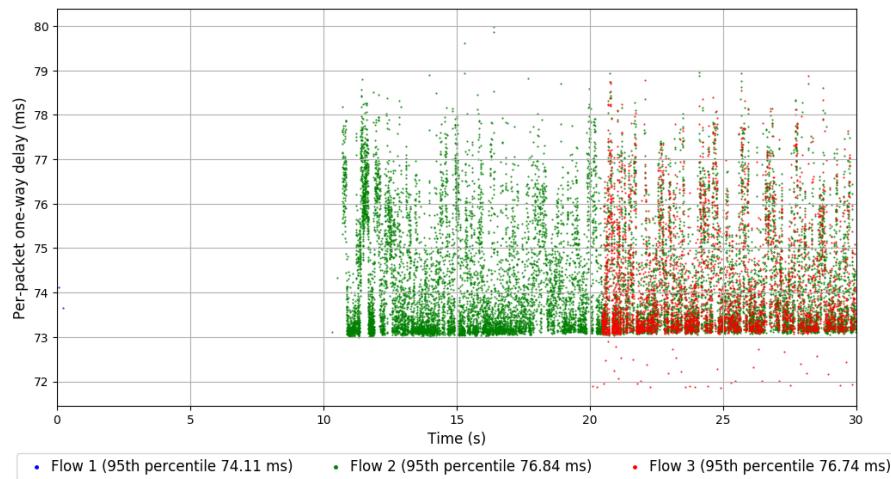
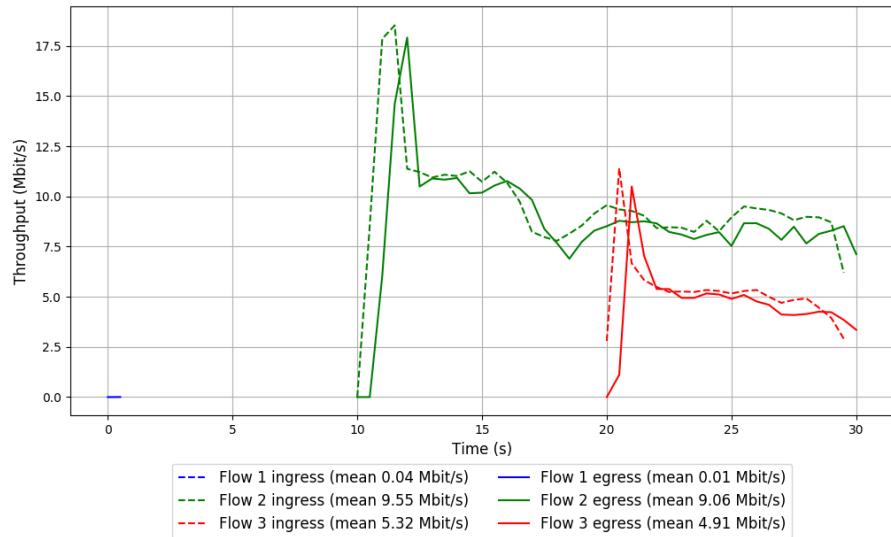


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-18 00:24:20
End at: 2019-07-18 00:24:50
Local clock offset: -3.134 ms
Remote clock offset: -7.718 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 76.828 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 74.110 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 76.843 ms
Loss rate: 6.35%
-- Flow 3:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 76.737 ms
Loss rate: 7.76%
```

Run 4: Report of PCC-Expr — Data Link

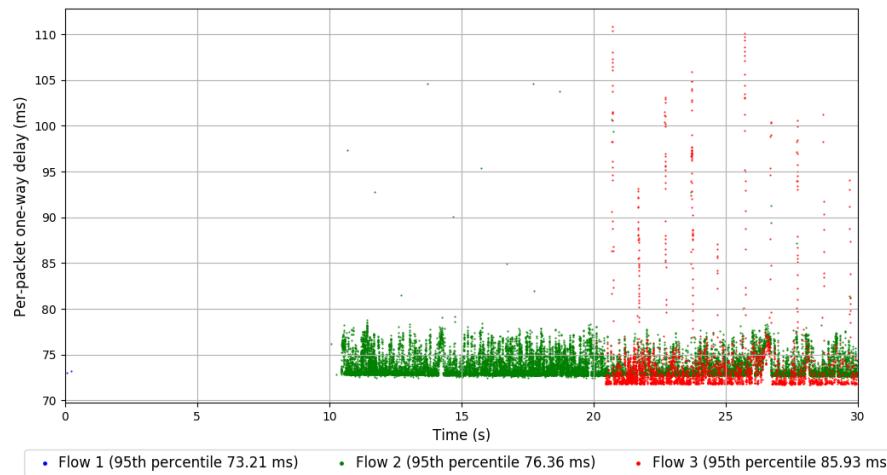
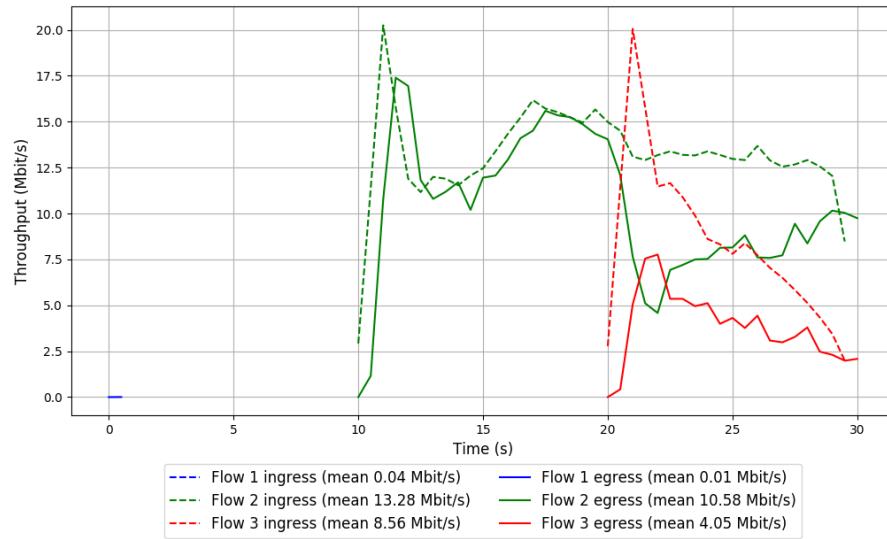


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-18 00:55:12
End at: 2019-07-18 00:55:42
Local clock offset: -2.782 ms
Remote clock offset: -9.393 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 76.469 ms
Loss rate: 28.16%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 73.214 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 76.365 ms
Loss rate: 20.33%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 85.927 ms
Loss rate: 52.65%
```

Run 5: Report of PCC-Expr — Data Link

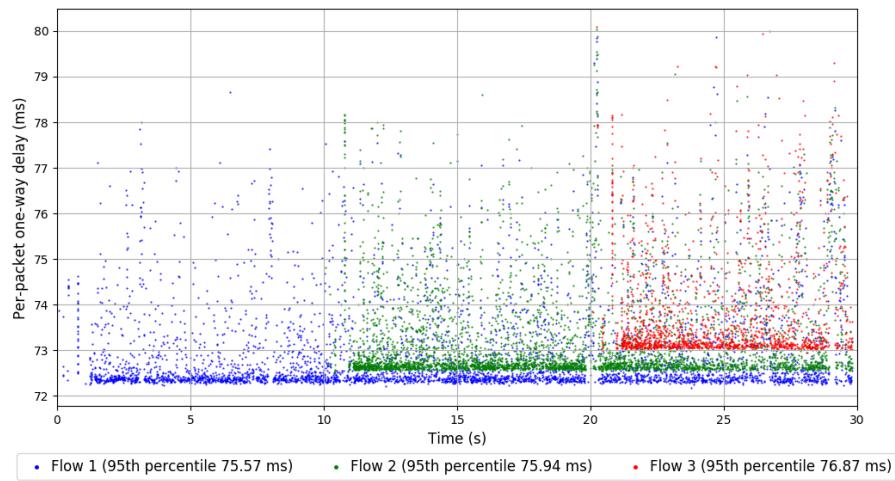
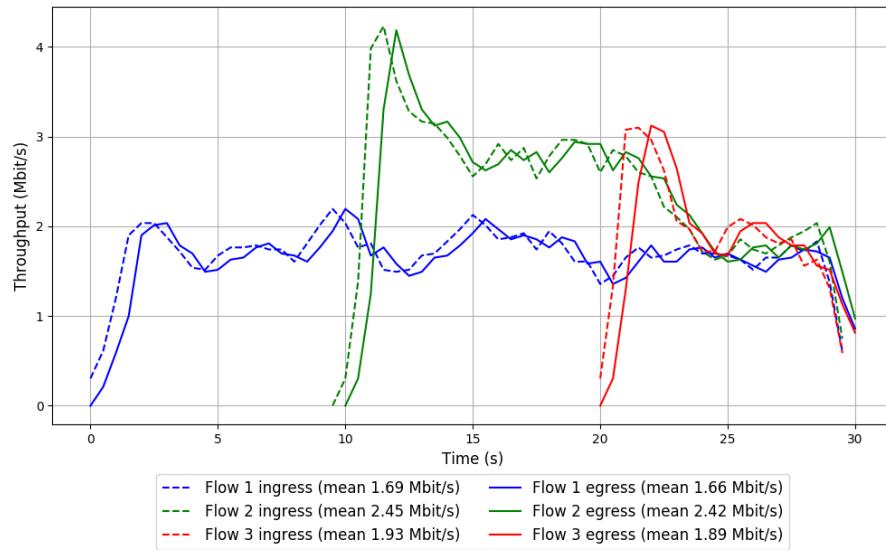


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-07-17 23:02:16
End at: 2019-07-17 23:02:46
Local clock offset: -7.132 ms
Remote clock offset: -7.719 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 76.017 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 75.566 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 75.944 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 76.874 ms
Loss rate: 2.29%
```

Run 1: Report of QUIC Cubic — Data Link

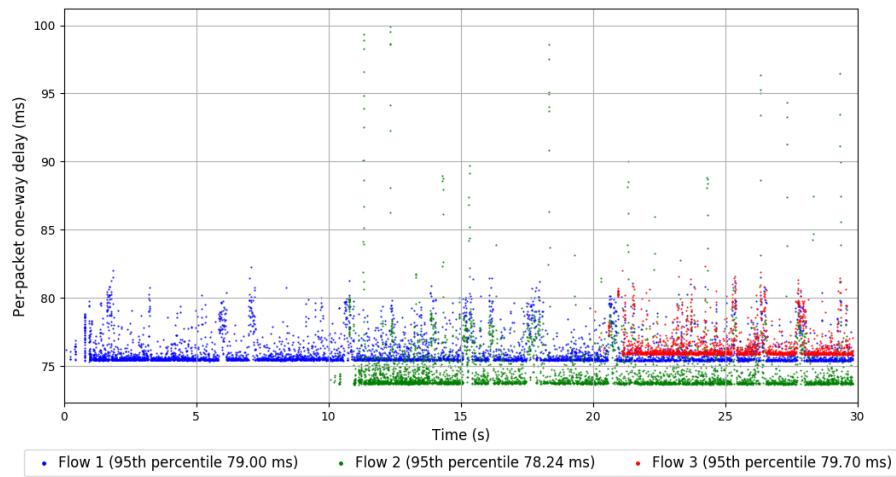
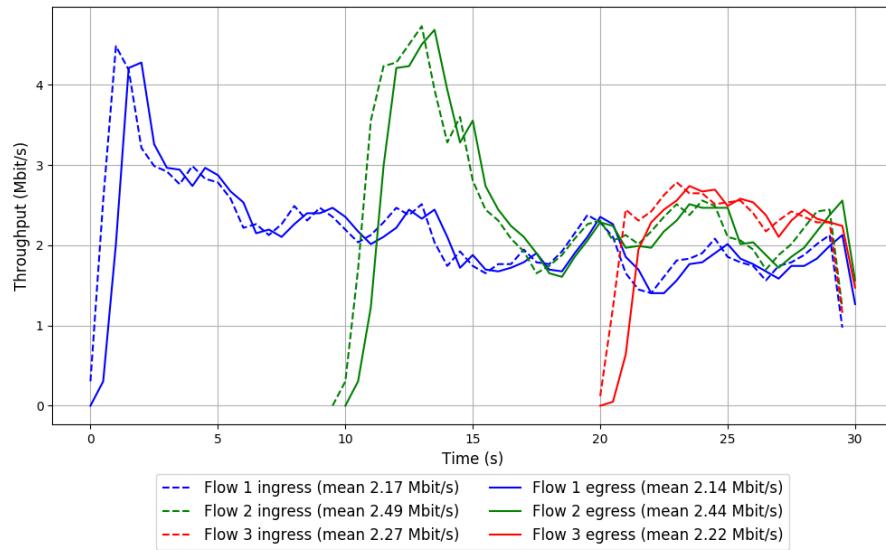


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-17 23:32:46
End at: 2019-07-17 23:33:16
Local clock offset: -7.148 ms
Remote clock offset: 0.614 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 79.017 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 79.004 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 78.238 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 79.696 ms
Loss rate: 2.30%
```

Run 2: Report of QUIC Cubic — Data Link

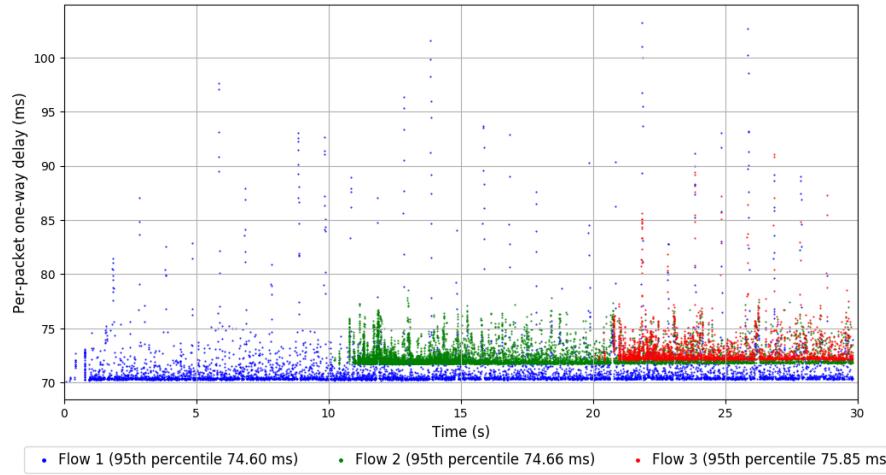
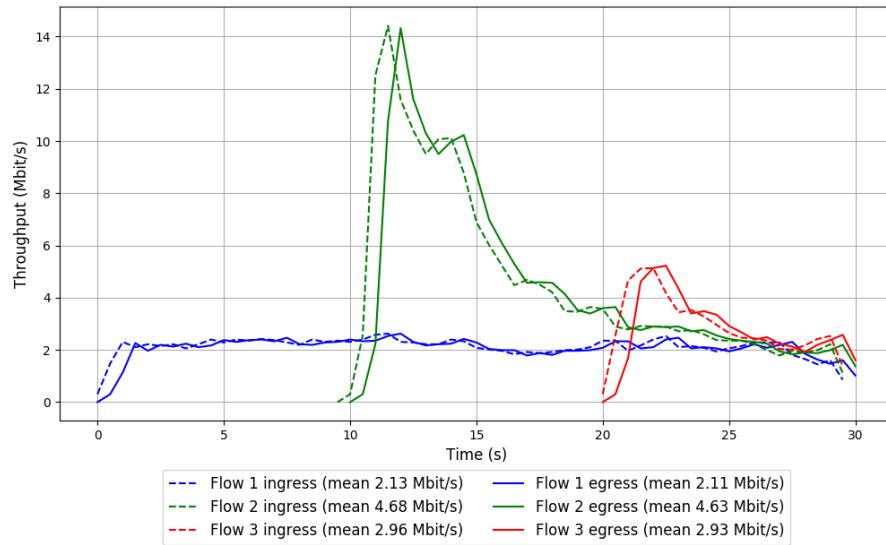


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-18 00:03:03
End at: 2019-07-18 00:03:33
Local clock offset: -4.196 ms
Remote clock offset: -6.536 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 74.921 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 74.596 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 74.662 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 75.847 ms
Loss rate: 1.02%
```

Run 3: Report of QUIC Cubic — Data Link

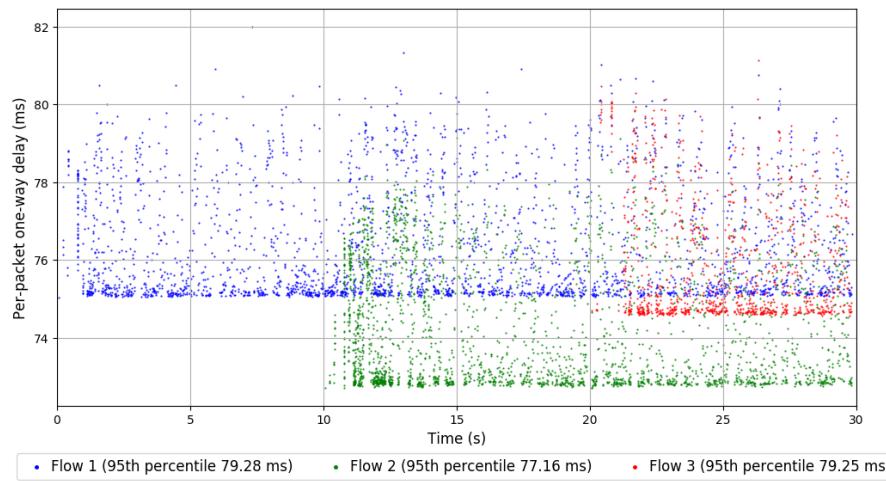
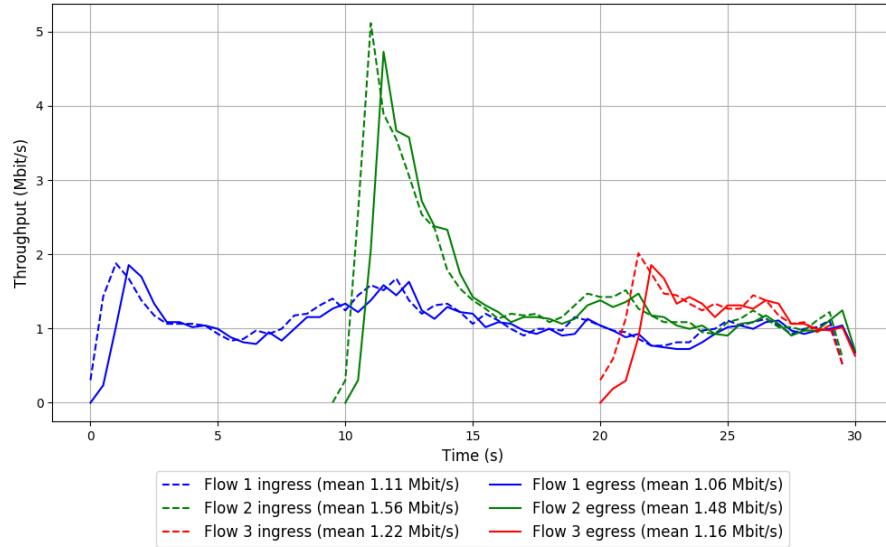


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-18 00:33:14
End at: 2019-07-18 00:33:44
Local clock offset: -2.566 ms
Remote clock offset: -7.23 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 78.859 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 79.277 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 77.157 ms
Loss rate: 4.93%
-- Flow 3:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 79.251 ms
Loss rate: 5.52%
```

## Run 4: Report of QUIC Cubic — Data Link

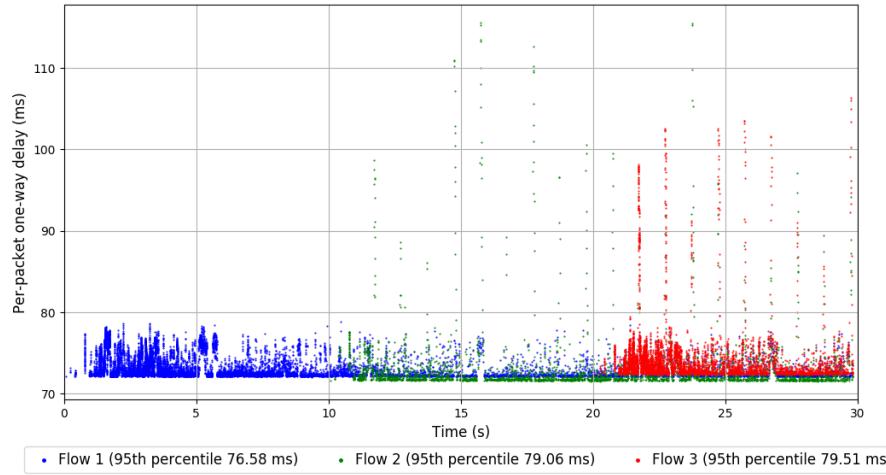
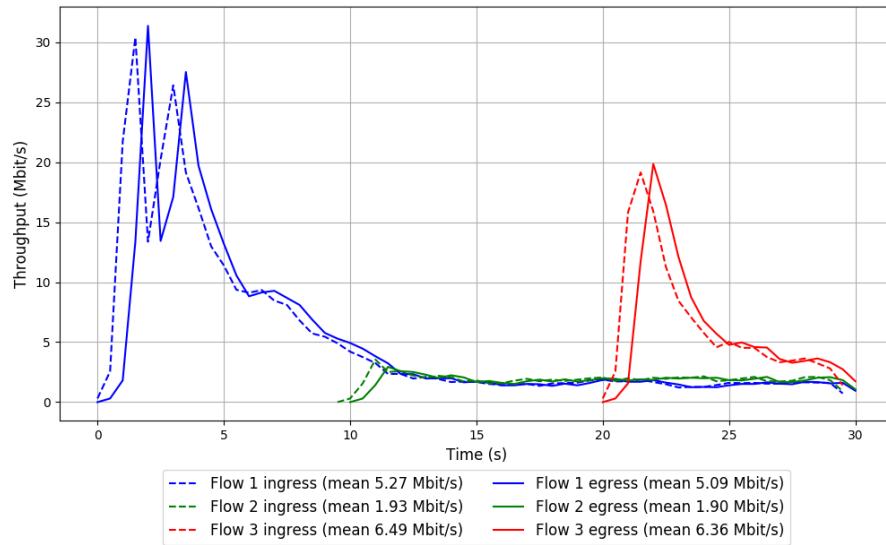


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-18 01:04:07
End at: 2019-07-18 01:04:37
Local clock offset: -4.79 ms
Remote clock offset: -9.118 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 76.740 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 76.582 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 79.063 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 79.507 ms
Loss rate: 2.13%
```

Run 5: Report of QUIC Cubic — Data Link

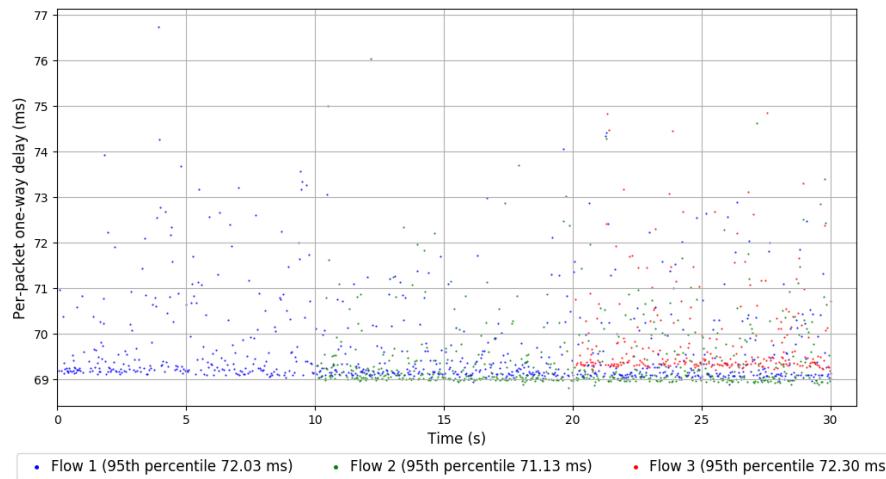
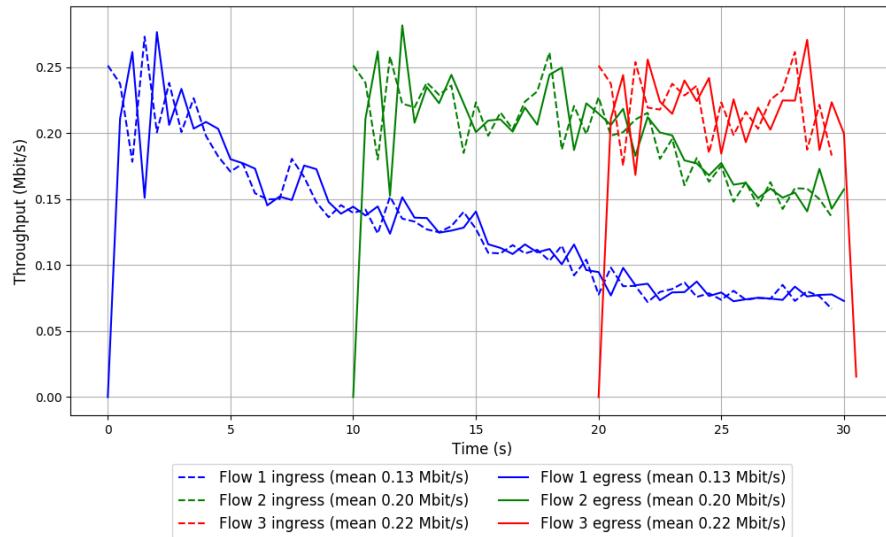


```
Run 1: Statistics of SCReAM

Start at: 2019-07-17 23:17:25
End at: 2019-07-17 23:17:55
Local clock offset: -7.673 ms
Remote clock offset: -8.087 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 71.849 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 72.034 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 71.127 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.297 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

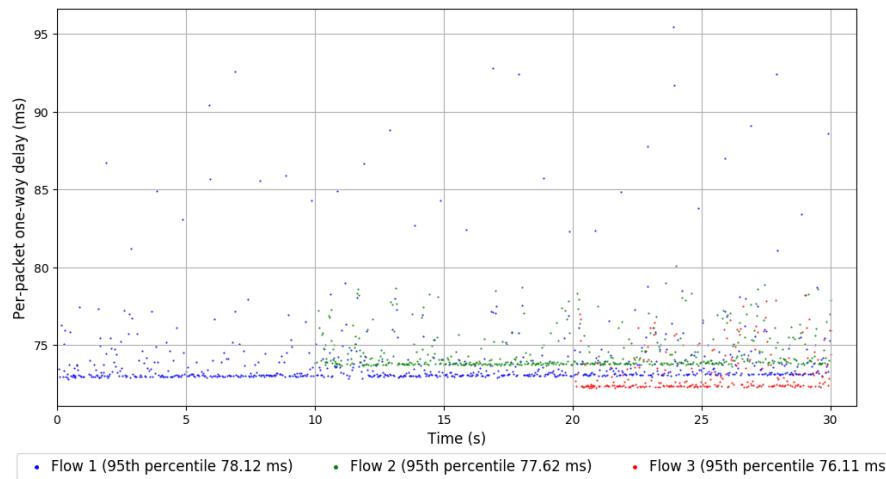
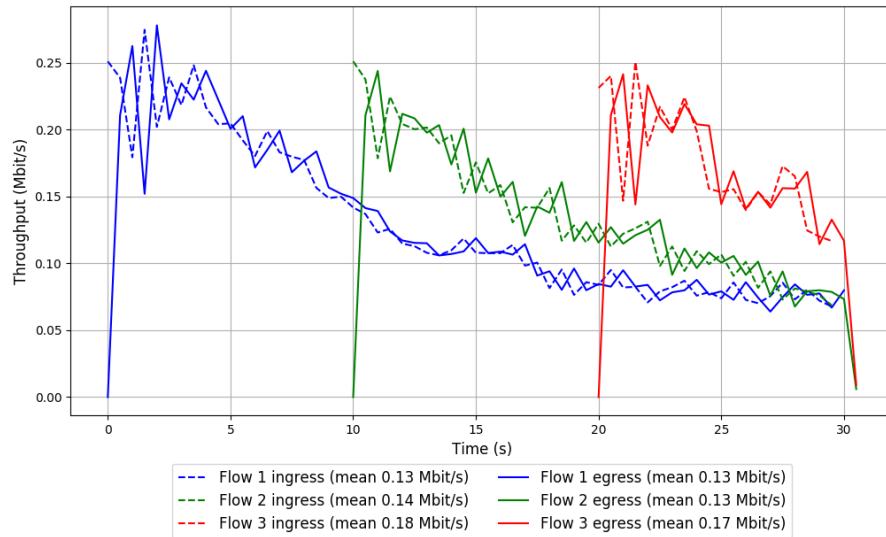


Run 2: Statistics of SCReAM

```
Start at: 2019-07-17 23:48:02
End at: 2019-07-17 23:48:32
Local clock offset: -6.594 ms
Remote clock offset: -3.285 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 77.489 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 78.116 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 77.620 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 76.107 ms
Loss rate: 0.94%
```

Run 2: Report of SCReAM — Data Link

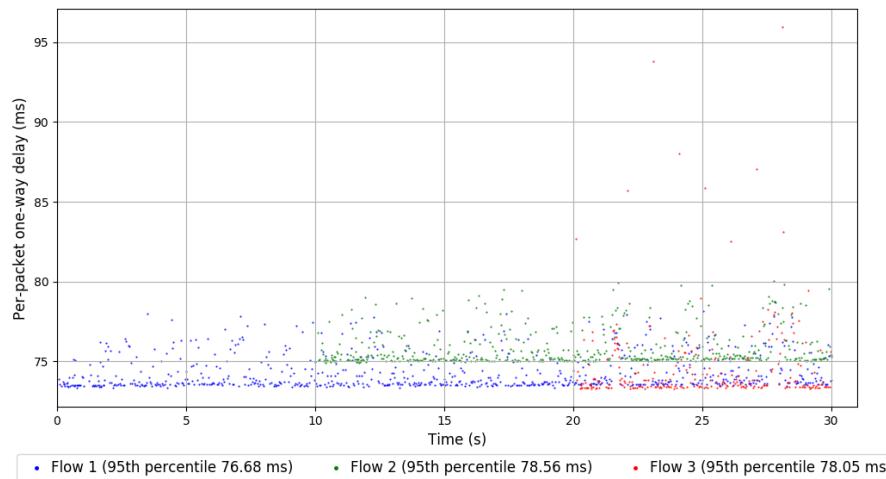
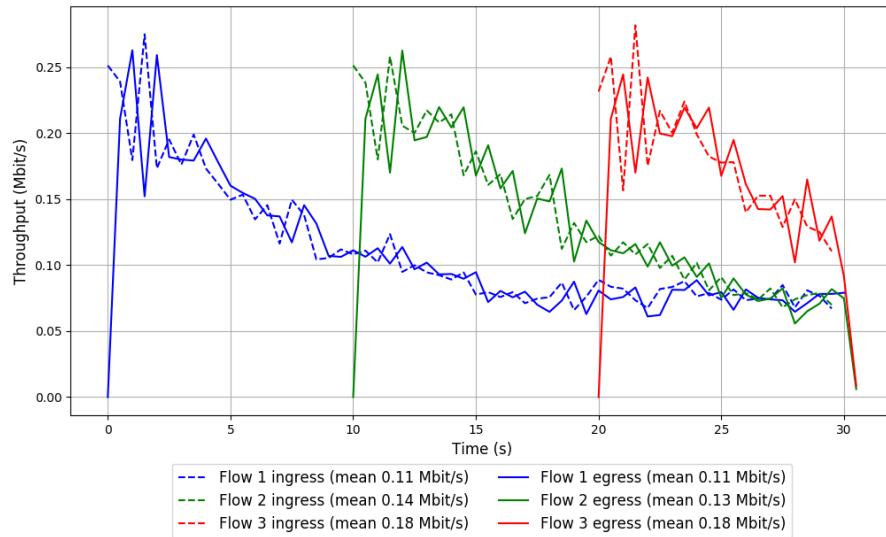


Run 3: Statistics of SCReAM

```
Start at: 2019-07-18 00:18:09
End at: 2019-07-18 00:18:39
Local clock offset: -4.034 ms
Remote clock offset: -5.205 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 77.773 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 76.679 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 78.562 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 78.048 ms
Loss rate: 2.23%
```

Run 3: Report of SCReAM — Data Link

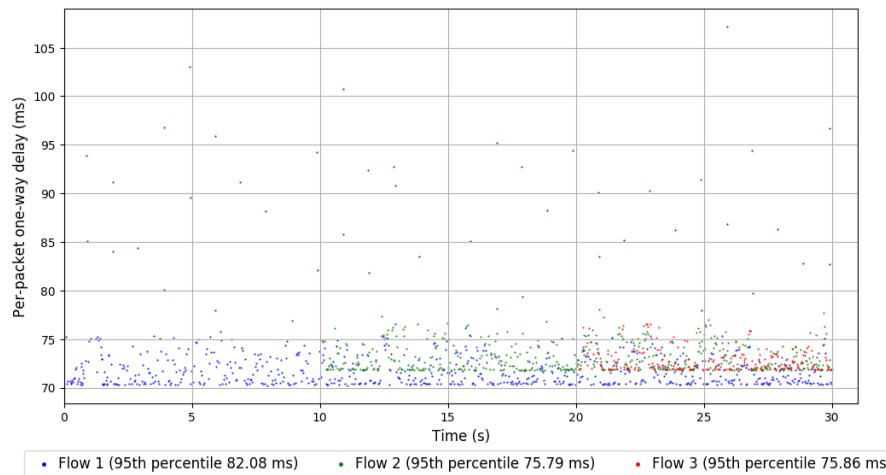
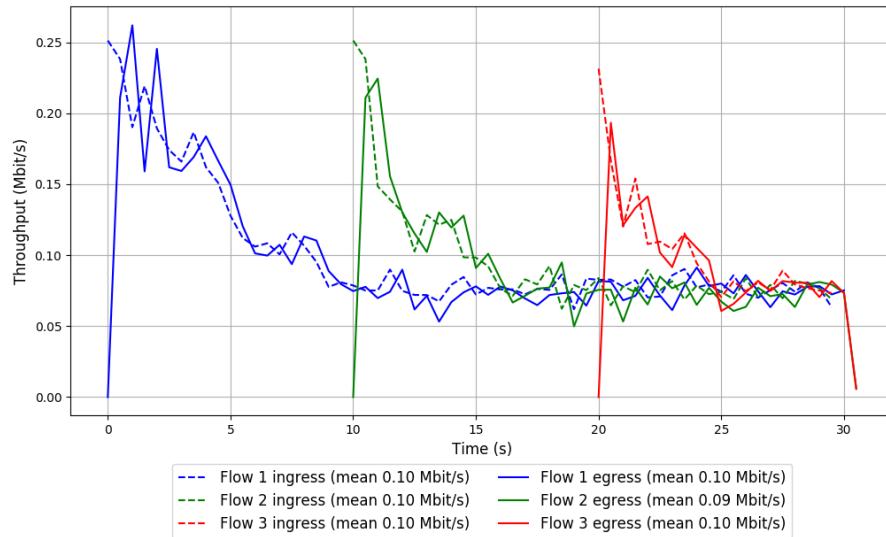


Run 4: Statistics of SCReAM

```
Start at: 2019-07-18 00:48:53
End at: 2019-07-18 00:49:23
Local clock offset: -2.085 ms
Remote clock offset: -10.491 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 76.097 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 82.078 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 75.788 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 75.857 ms
Loss rate: 6.42%
```

Run 4: Report of SCReAM — Data Link

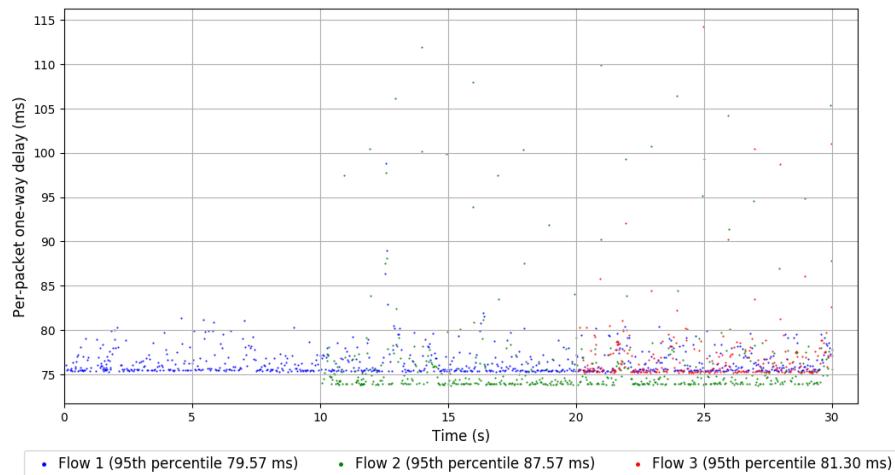
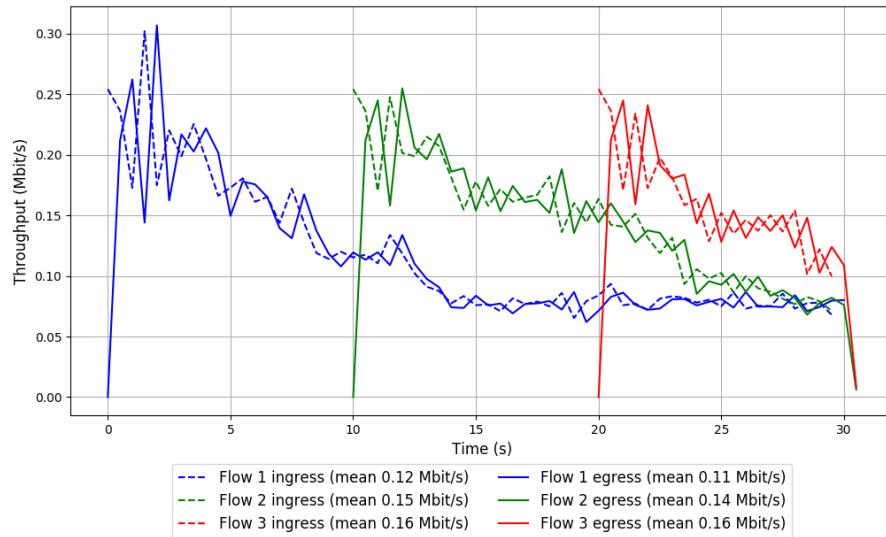


Run 5: Statistics of SCReAM

```
Start at: 2019-07-18 01:19:13
End at: 2019-07-18 01:19:43
Local clock offset: -7.253 ms
Remote clock offset: -7.159 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 80.152 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 79.568 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 87.574 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 81.298 ms
Loss rate: 1.37%
```

Run 5: Report of SCReAM — Data Link

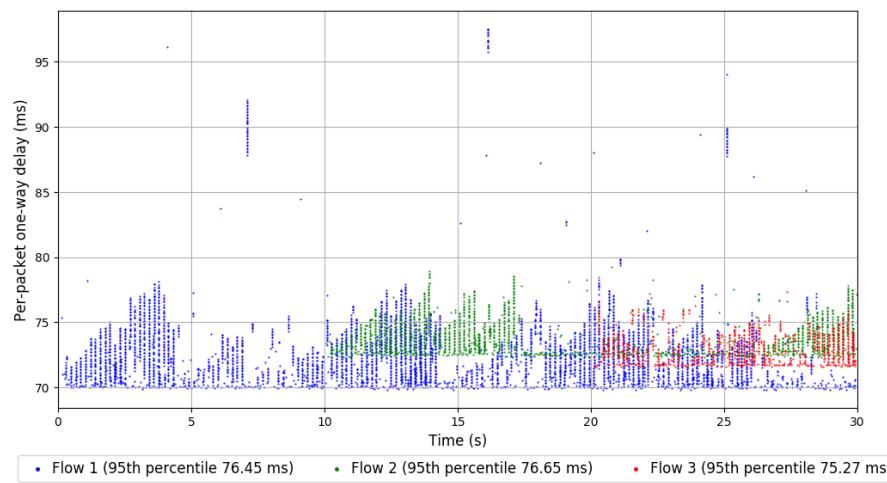
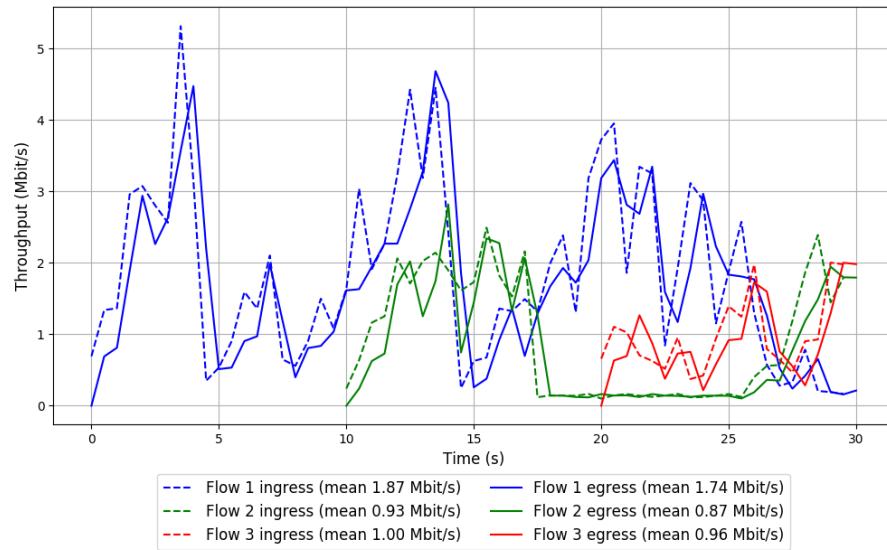


Run 1: Statistics of Sprout

```
Start at: 2019-07-17 23:21:21
End at: 2019-07-17 23:21:52
Local clock offset: -6.902 ms
Remote clock offset: -3.681 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 76.343 ms
Loss rate: 6.47%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 76.447 ms
Loss rate: 6.95%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 76.653 ms
Loss rate: 6.39%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 75.265 ms
Loss rate: 3.88%
```

Run 1: Report of Sprout — Data Link

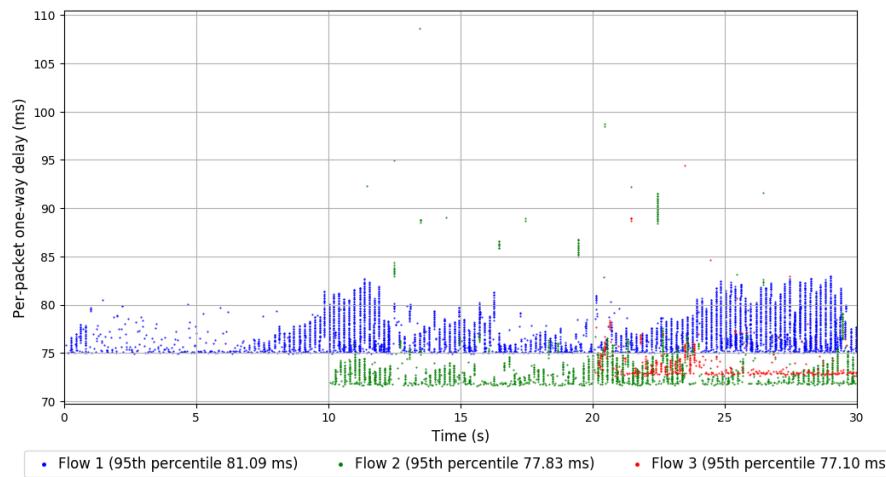
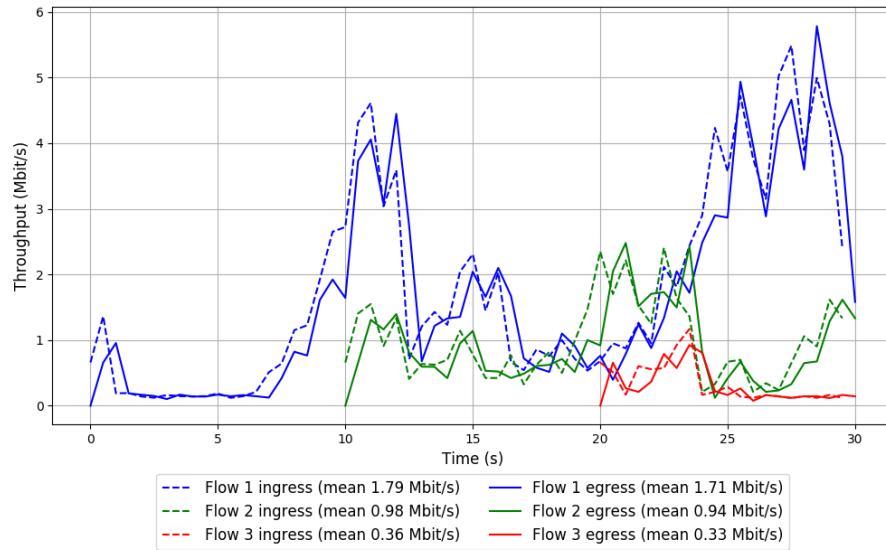


Run 2: Statistics of Sprout

```
Start at: 2019-07-17 23:51:49
End at: 2019-07-17 23:52:19
Local clock offset: -6.373 ms
Remote clock offset: -4.537 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 80.962 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 81.090 ms
Loss rate: 4.41%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 77.834 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 77.100 ms
Loss rate: 8.48%
```

## Run 2: Report of Sprout — Data Link

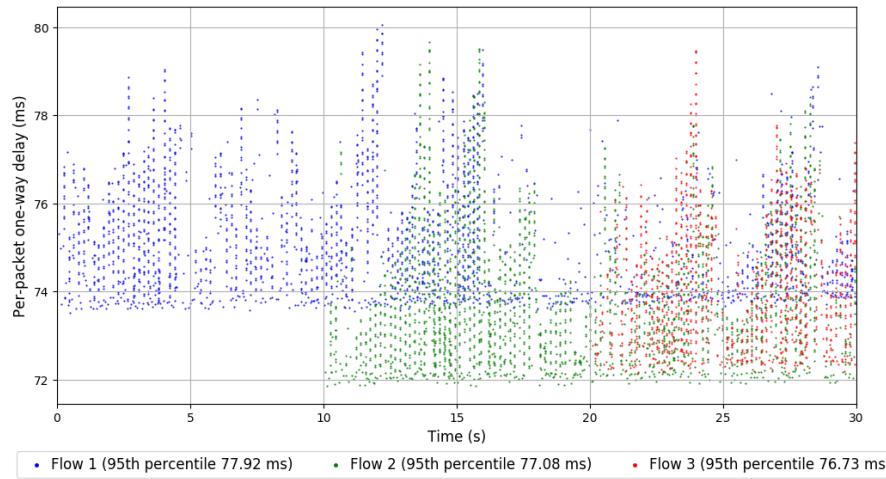
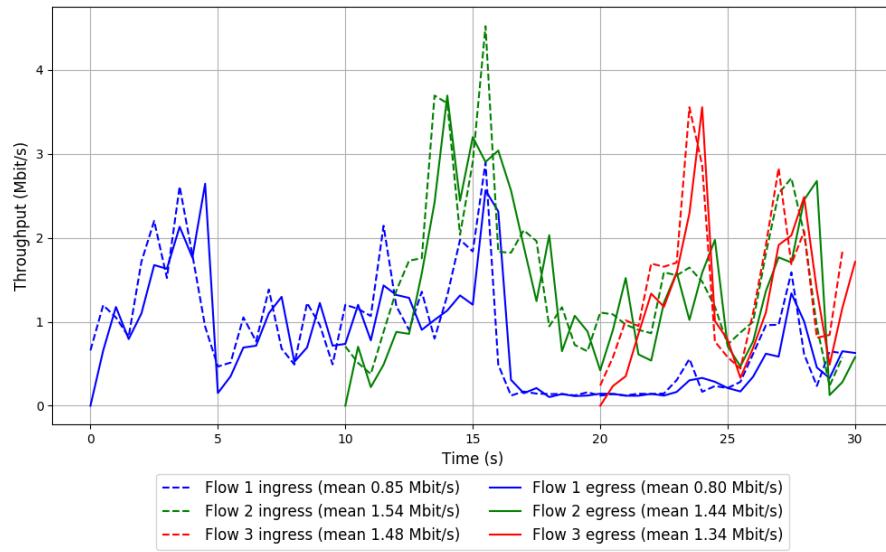


Run 3: Statistics of Sprout

```
Start at: 2019-07-18 00:21:55
End at: 2019-07-18 00:22:25
Local clock offset: -3.82 ms
Remote clock offset: -7.661 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 77.480 ms
Loss rate: 6.97%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 77.915 ms
Loss rate: 6.11%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 77.078 ms
Loss rate: 6.65%
-- Flow 3:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 76.730 ms
Loss rate: 9.14%
```

Run 3: Report of Sprout — Data Link

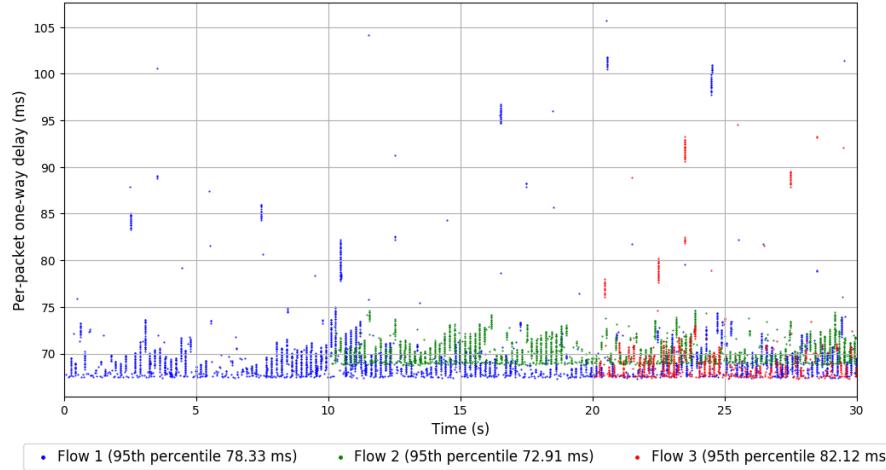
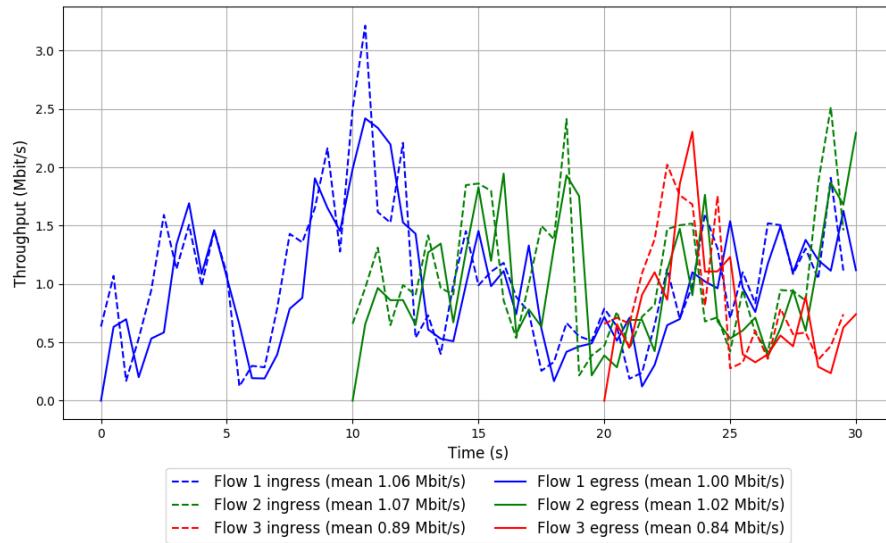


Run 4: Statistics of Sprout

```
Start at: 2019-07-18 00:52:45
End at: 2019-07-18 00:53:15
Local clock offset: -2.97 ms
Remote clock offset: -13.711 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 73.857 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 78.333 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 72.909 ms
Loss rate: 4.80%
-- Flow 3:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 82.124 ms
Loss rate: 6.11%
```

Run 4: Report of Sprout — Data Link

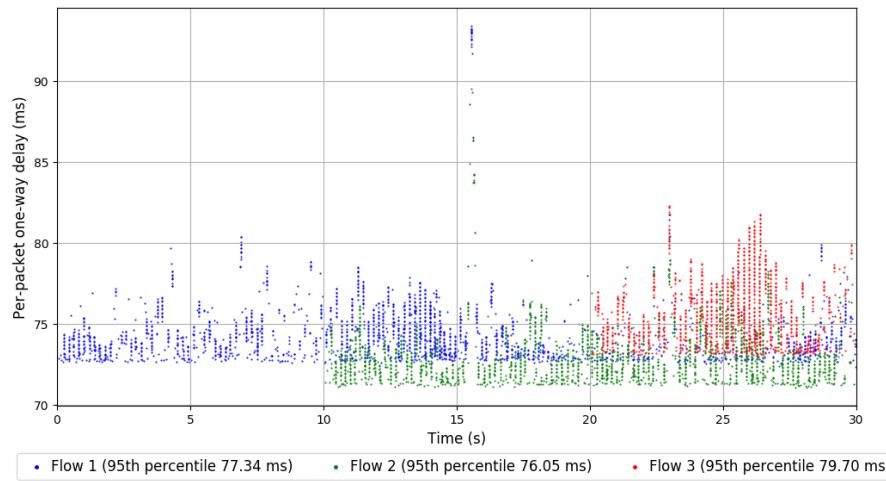
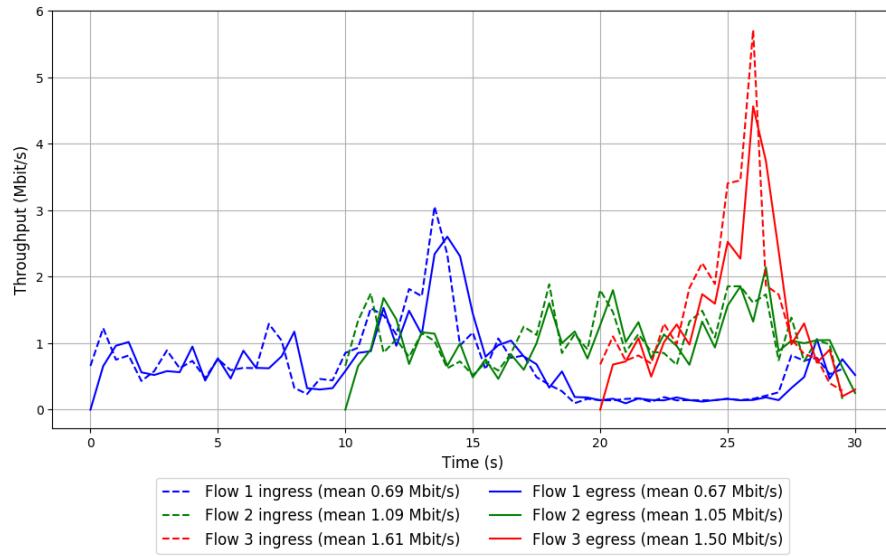


Run 5: Statistics of Sprout

```
Start at: 2019-07-18 01:23:07
End at: 2019-07-18 01:23:37
Local clock offset: -7.762 ms
Remote clock offset: -9.61 ms

# Below is generated by plot.py at 2019-07-18 01:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 78.170 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 77.340 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 76.045 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 79.699 ms
Loss rate: 7.22%
```

Run 5: Report of Sprout — Data Link

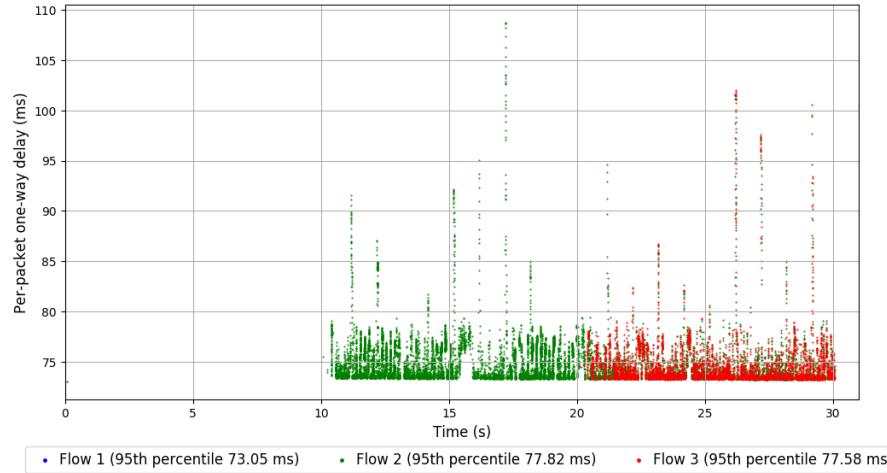
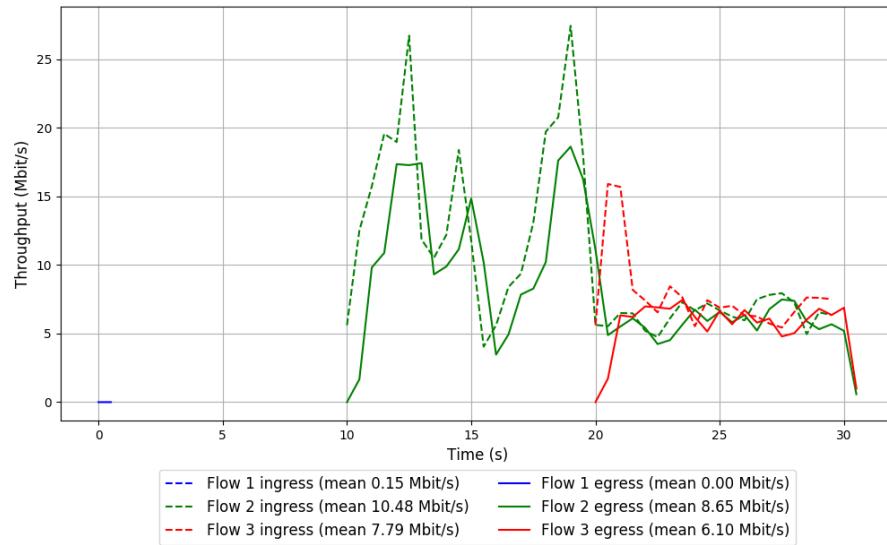


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-17 23:08:29
End at: 2019-07-17 23:08:59
Local clock offset: -7.673 ms
Remote clock offset: -5.774 ms

# Below is generated by plot.py at 2019-07-18 01:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 77.746 ms
Loss rate: 18.68%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 77.816 ms
Loss rate: 17.54%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 77.578 ms
Loss rate: 21.75%
```

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

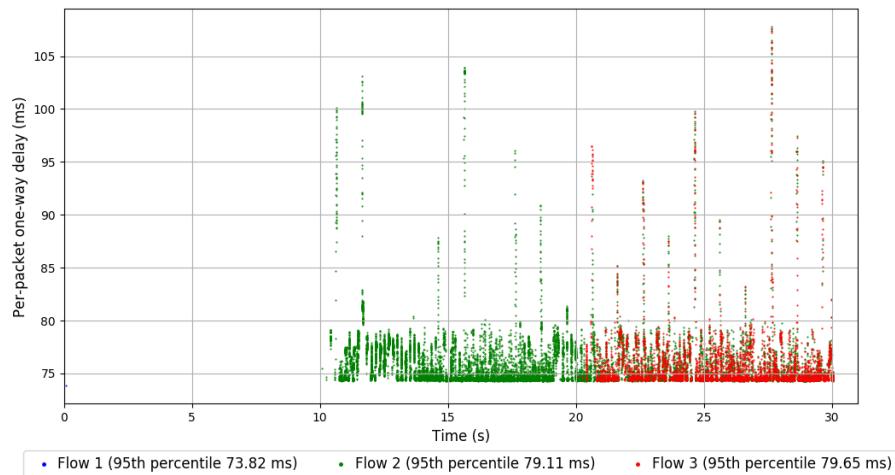
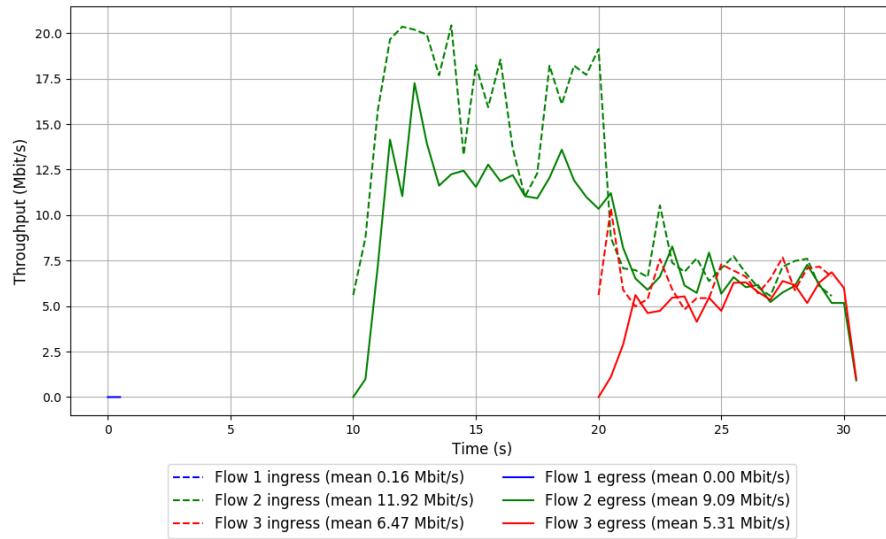


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-17 23:39:02
End at: 2019-07-17 23:39:32
Local clock offset: -6.655 ms
Remote clock offset: 1.409 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 79.199 ms
Loss rate: 22.51%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 73.824 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 79.107 ms
Loss rate: 23.77%
-- Flow 3:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 79.654 ms
Loss rate: 17.86%
```

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

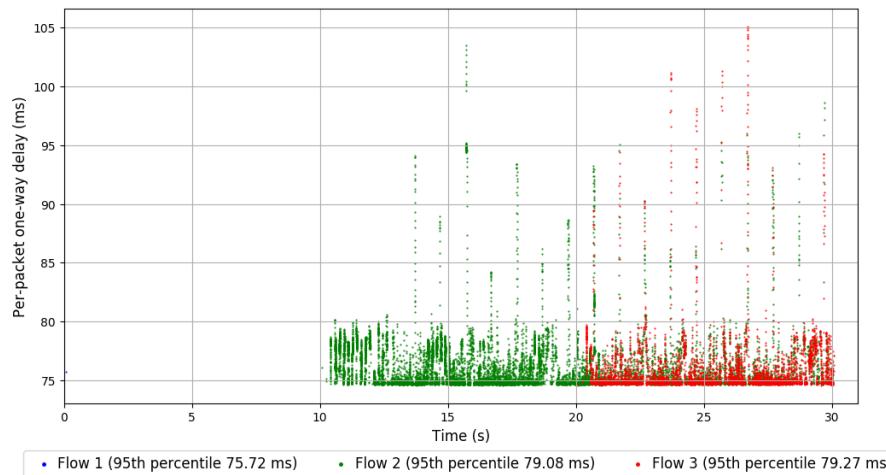
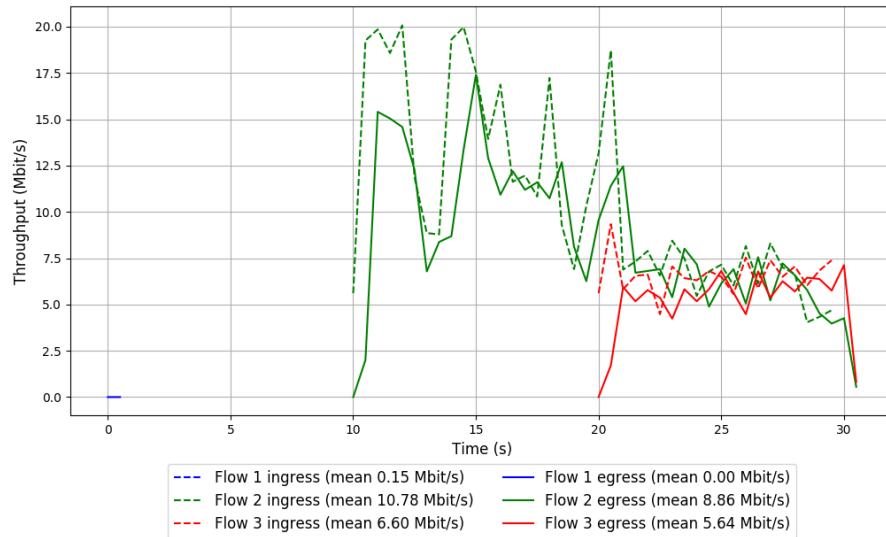


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-18 00:09:15
End at: 2019-07-18 00:09:45
Local clock offset: -4.746 ms
Remote clock offset: -3.937 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 79.112 ms
Loss rate: 17.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 75.722 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 79.078 ms
Loss rate: 17.75%
-- Flow 3:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 79.266 ms
Loss rate: 14.49%
```

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

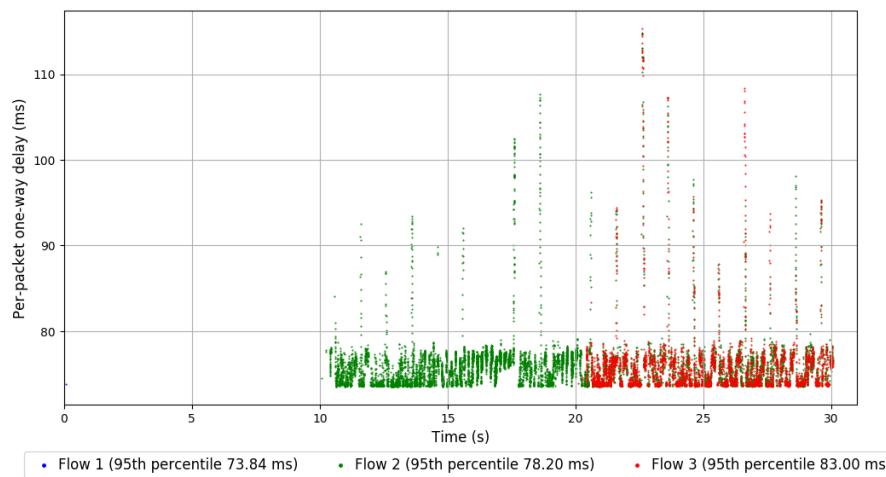
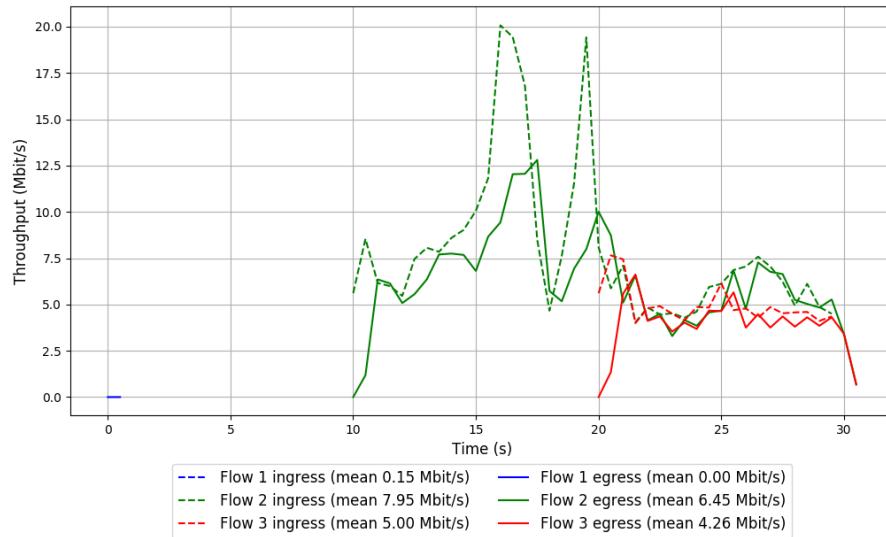


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-18 00:39:44
End at: 2019-07-18 00:40:14
Local clock offset: -2.359 ms
Remote clock offset: -7.374 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 78.464 ms
Loss rate: 17.91%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 73.841 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 78.202 ms
Loss rate: 18.88%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 82.998 ms
Loss rate: 14.75%
```

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

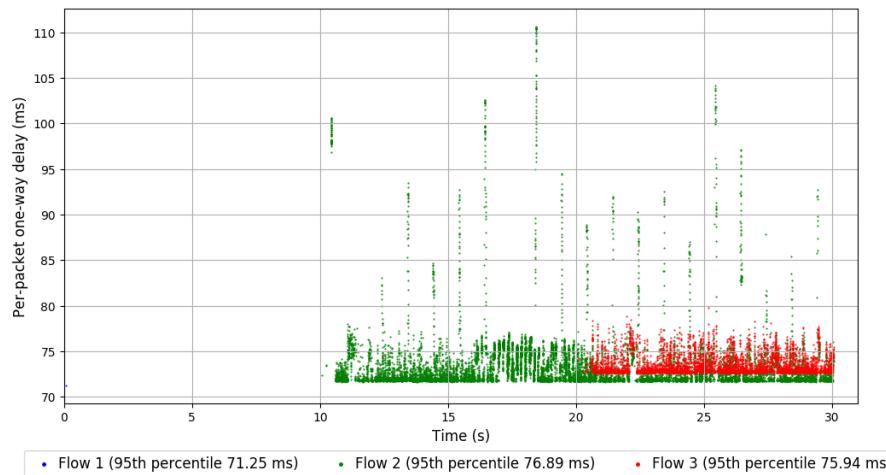
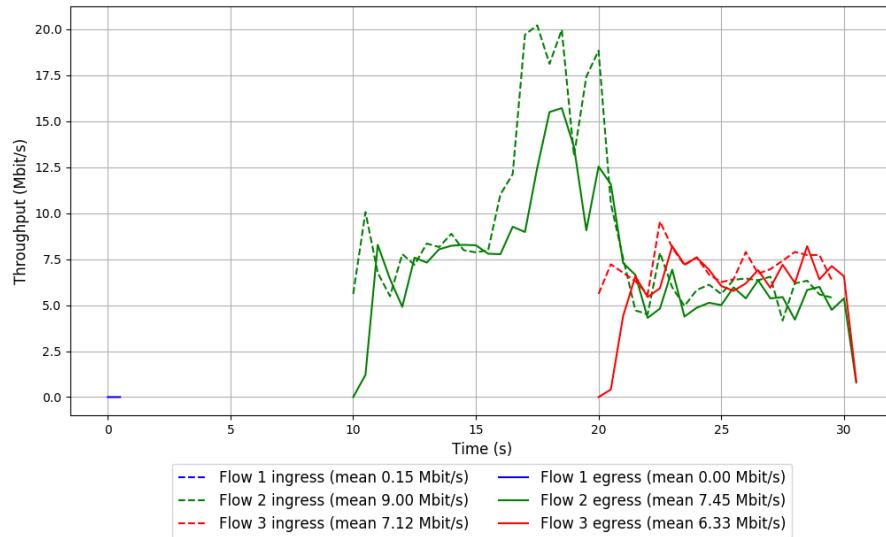


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-18 01:10:20
End at: 2019-07-18 01:10:50
Local clock offset: -6.759 ms
Remote clock offset: -9.607 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 76.391 ms
Loss rate: 15.55%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 71.251 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 76.886 ms
Loss rate: 17.27%
-- Flow 3:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 75.944 ms
Loss rate: 11.17%
```

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

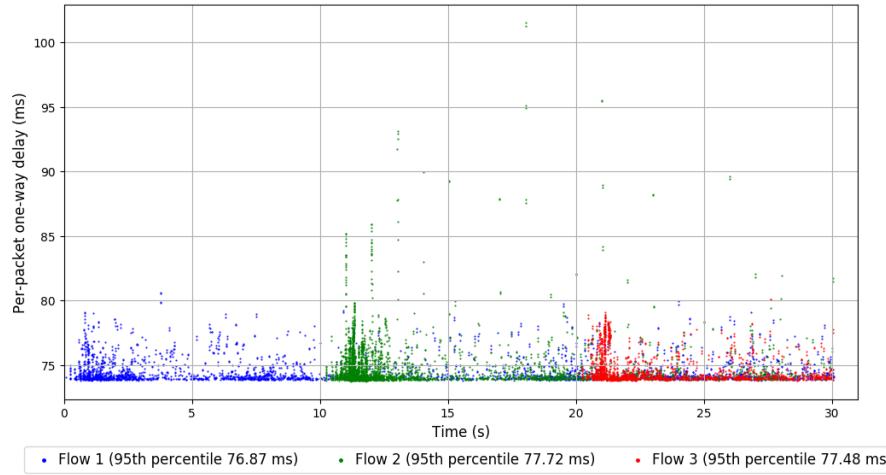
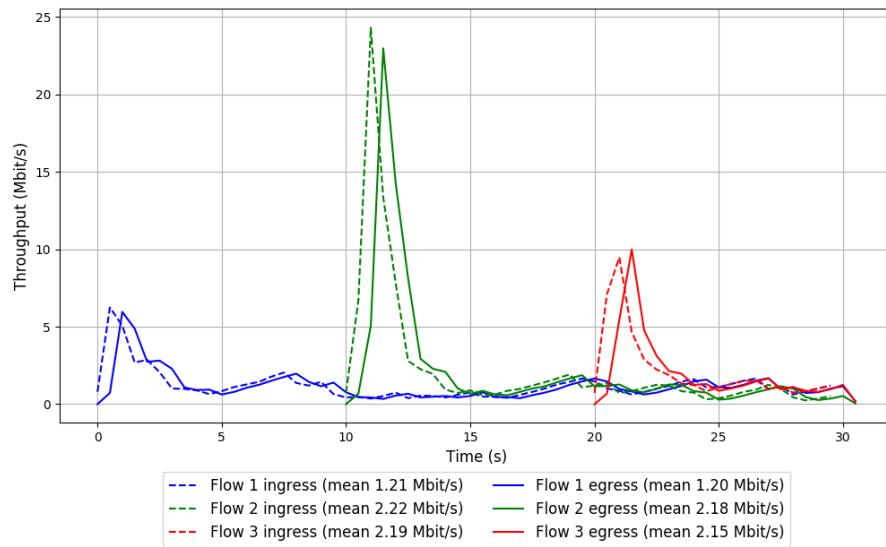


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-17 22:55:57
End at: 2019-07-17 22:56:27
Local clock offset: -7.907 ms
Remote clock offset: -5.809 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 77.437 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 76.873 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 77.722 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 77.476 ms
Loss rate: 1.76%
```

### Run 1: Report of TCP Vegas — Data Link

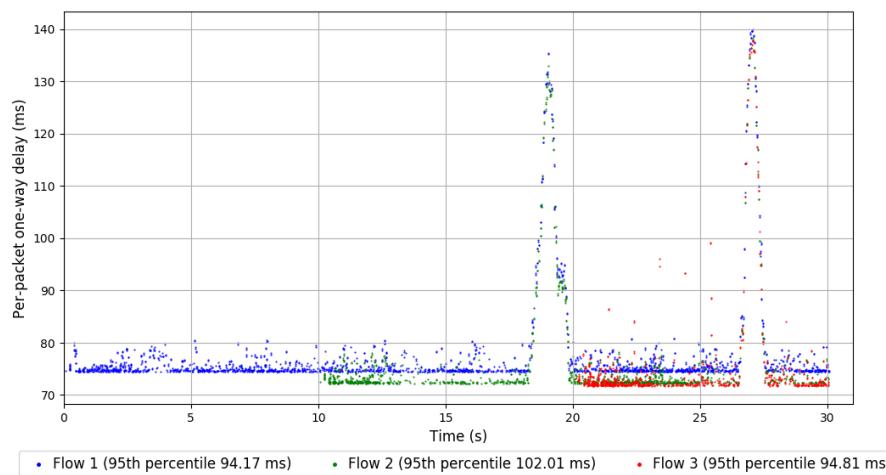
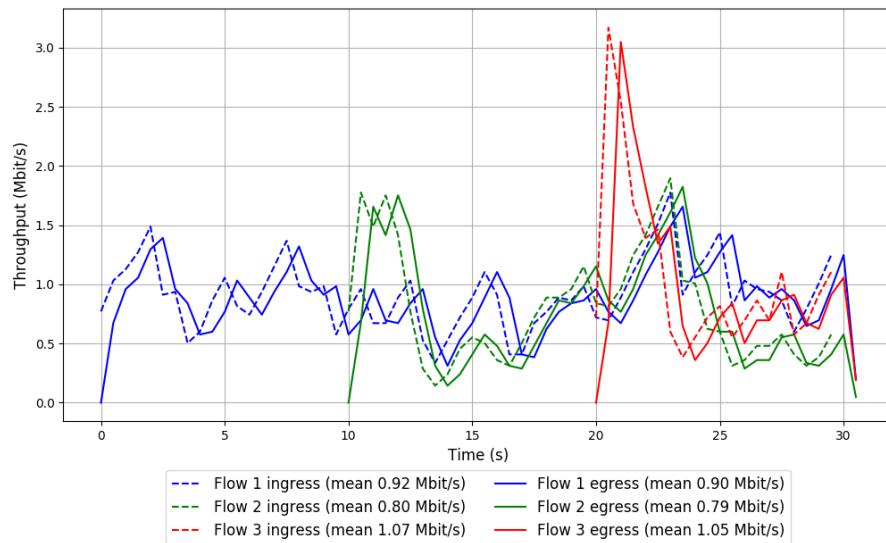


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-17 23:26:18
End at: 2019-07-17 23:26:48
Local clock offset: -7.738 ms
Remote clock offset: -2.315 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 96.126 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 94.175 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 102.006 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 94.815 ms
Loss rate: 1.47%
```

## Run 2: Report of TCP Vegas — Data Link

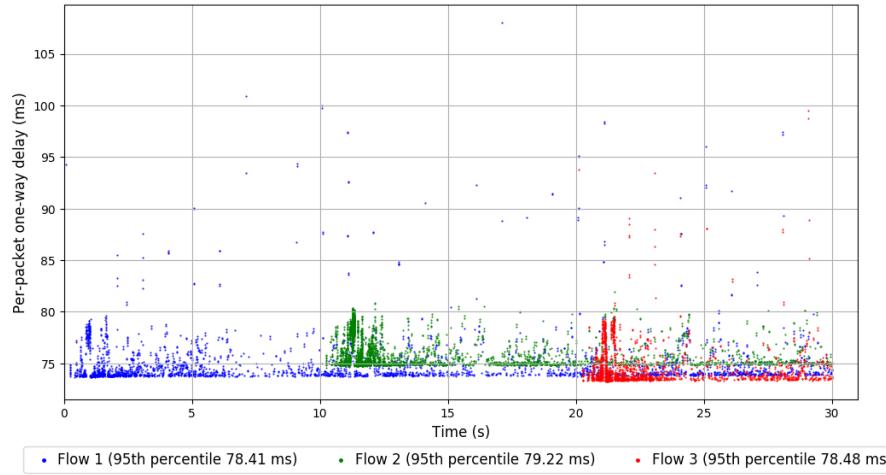
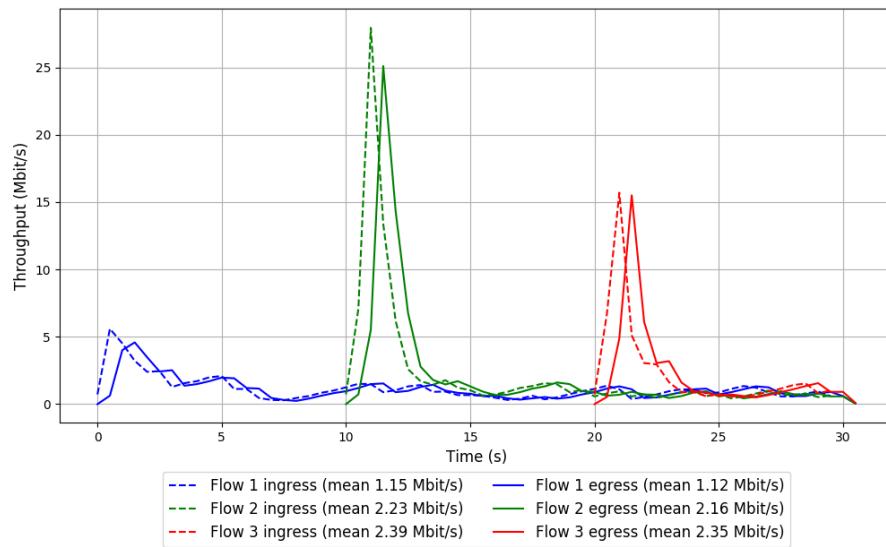


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-17 23:56:45
End at: 2019-07-17 23:57:15
Local clock offset: -5.321 ms
Remote clock offset: -3.323 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 78.933 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 78.412 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 79.221 ms
Loss rate: 3.27%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 78.476 ms
Loss rate: 2.26%
```

Run 3: Report of TCP Vegas — Data Link

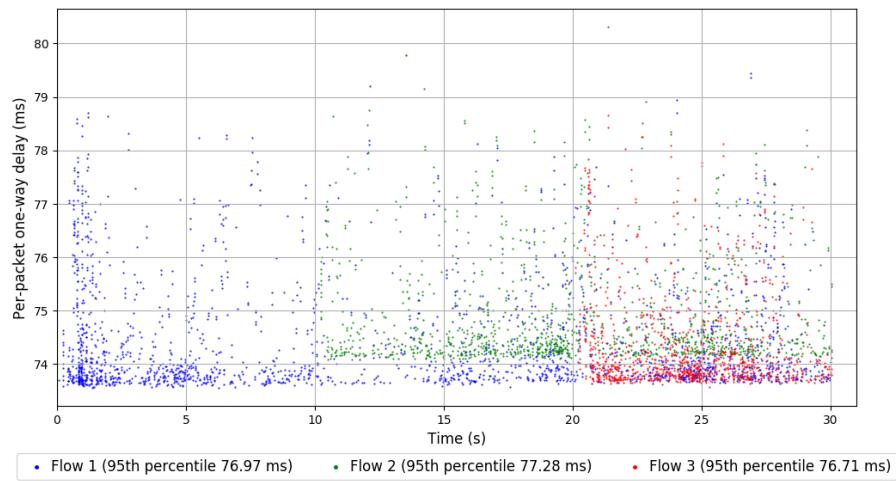
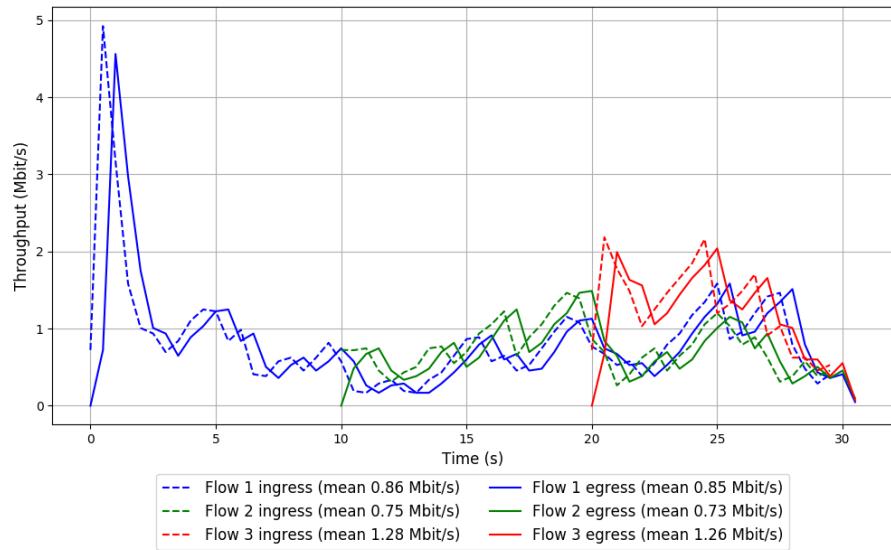


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-18 00:26:50
End at: 2019-07-18 00:27:20
Local clock offset: -3.651 ms
Remote clock offset: -8.178 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 77.003 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 76.970 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 77.275 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 76.708 ms
Loss rate: 1.51%
```

### Run 4: Report of TCP Vegas — Data Link

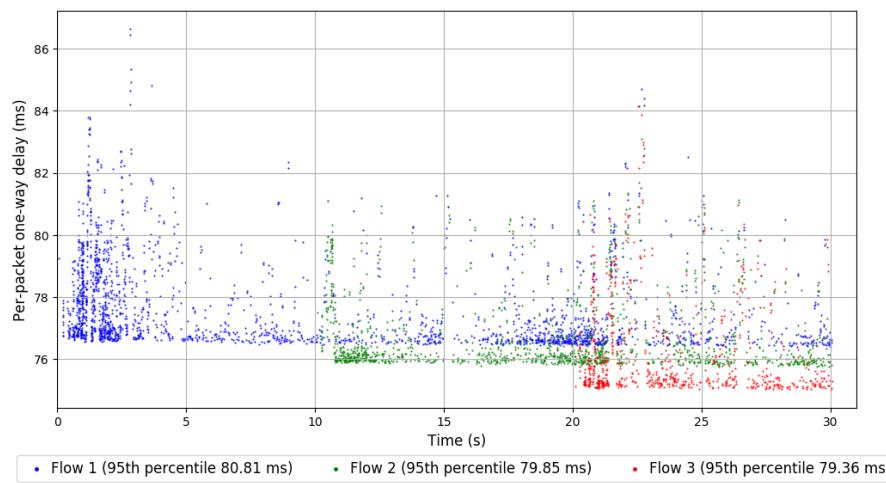
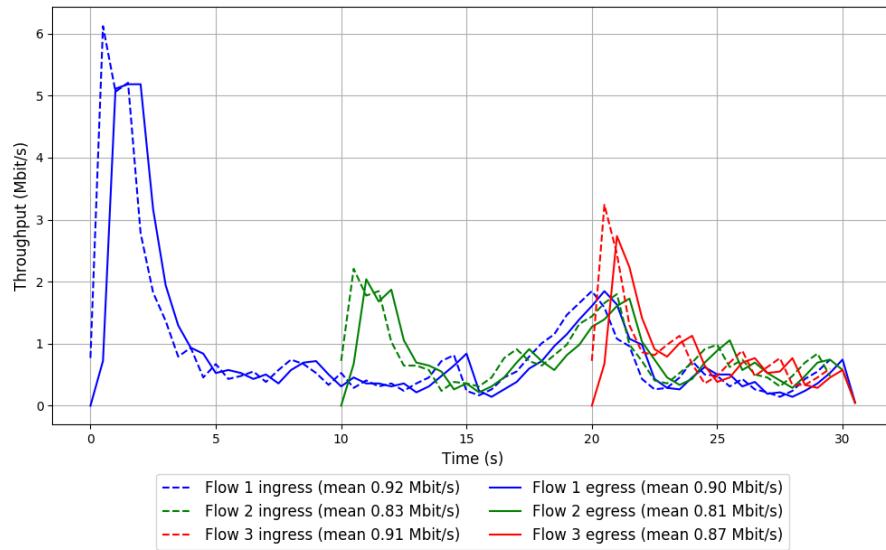


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-18 00:57:46
End at: 2019-07-18 00:58:16
Local clock offset: -4.055 ms
Remote clock offset: -7.684 ms

# Below is generated by plot.py at 2019-07-18 01:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 80.322 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 80.805 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 79.846 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 79.364 ms
Loss rate: 4.35%
```

### Run 5: Report of TCP Vegas — Data Link

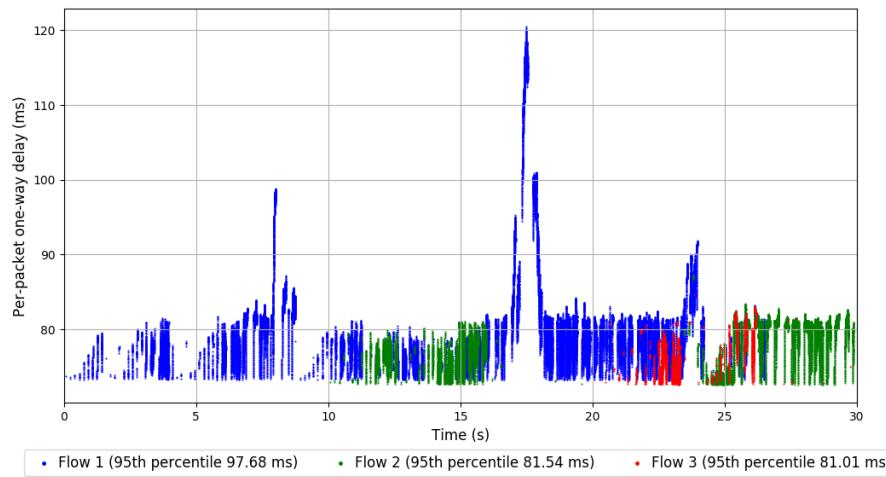
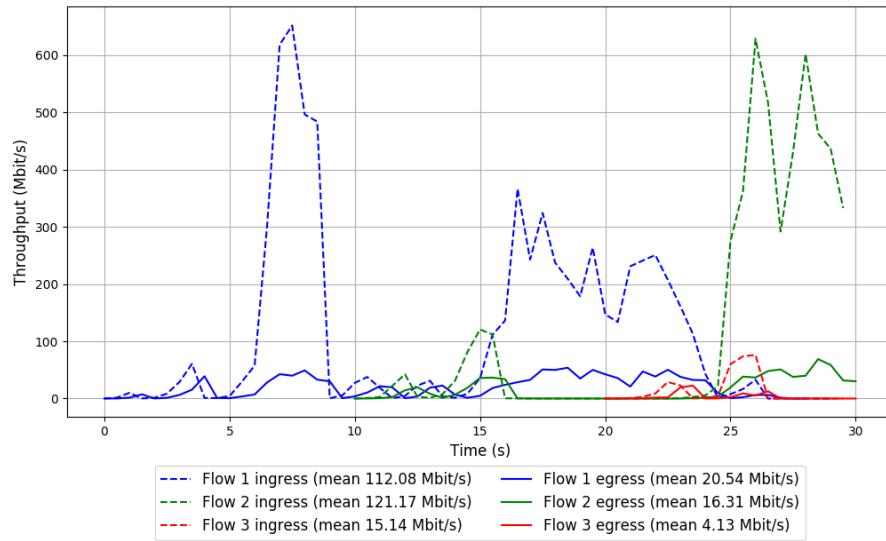


Run 1: Statistics of Verus

```
Start at: 2019-07-17 23:16:07
End at: 2019-07-17 23:16:37
Local clock offset: -6.871 ms
Remote clock offset: -4.238 ms

# Below is generated by plot.py at 2019-07-18 01:32:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 90.499 ms
Loss rate: 84.16%
-- Flow 1:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 97.684 ms
Loss rate: 82.92%
-- Flow 2:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 81.539 ms
Loss rate: 86.53%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 81.006 ms
Loss rate: 72.71%
```

Run 1: Report of Verus — Data Link

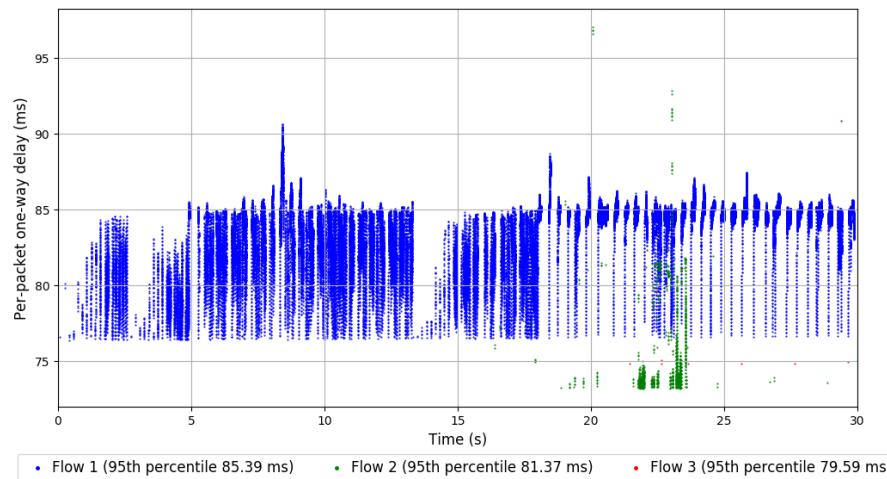
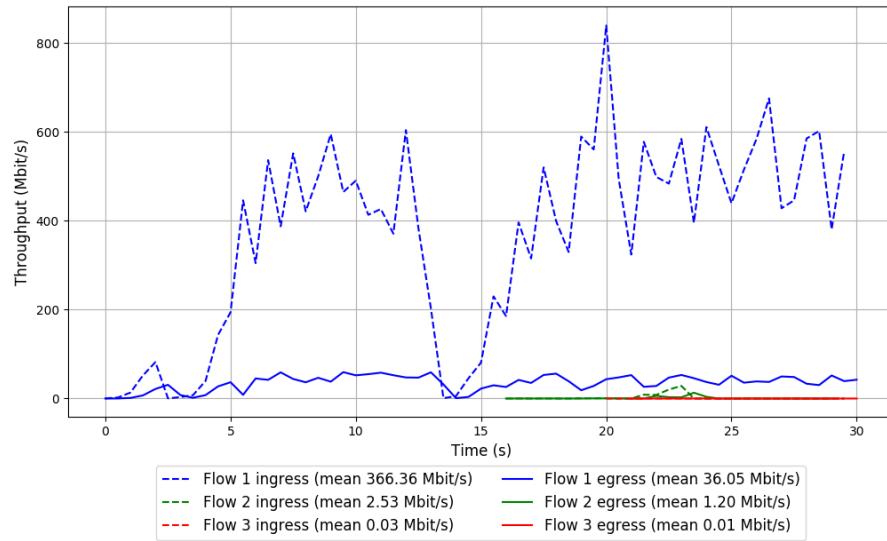


Run 2: Statistics of Verus

```
Start at: 2019-07-17 23:46:42
End at: 2019-07-17 23:47:12
Local clock offset: -5.672 ms
Remote clock offset: -0.886 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 85.383 ms
Loss rate: 90.05%
-- Flow 1:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 85.388 ms
Loss rate: 90.16%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 81.374 ms
Loss rate: 56.02%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 79.586 ms
Loss rate: 69.23%
```

## Run 2: Report of Verus — Data Link

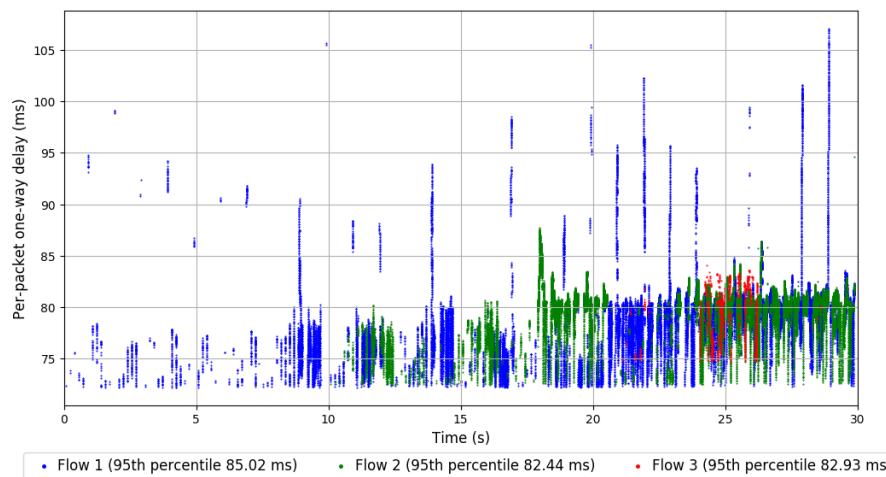
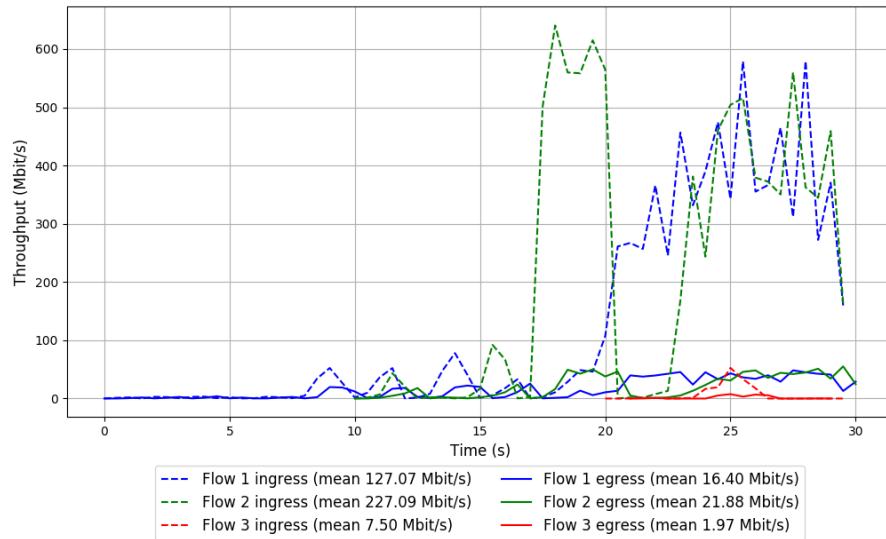


Run 3: Statistics of Verus

```
Start at: 2019-07-18 00:16:49
End at: 2019-07-18 00:17:19
Local clock offset: -4.047 ms
Remote clock offset: -6.167 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 83.003 ms
Loss rate: 88.78%
-- Flow 1:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 85.016 ms
Loss rate: 87.10%
-- Flow 2:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 82.435 ms
Loss rate: 90.36%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 82.930 ms
Loss rate: 79.29%
```

### Run 3: Report of Verus — Data Link

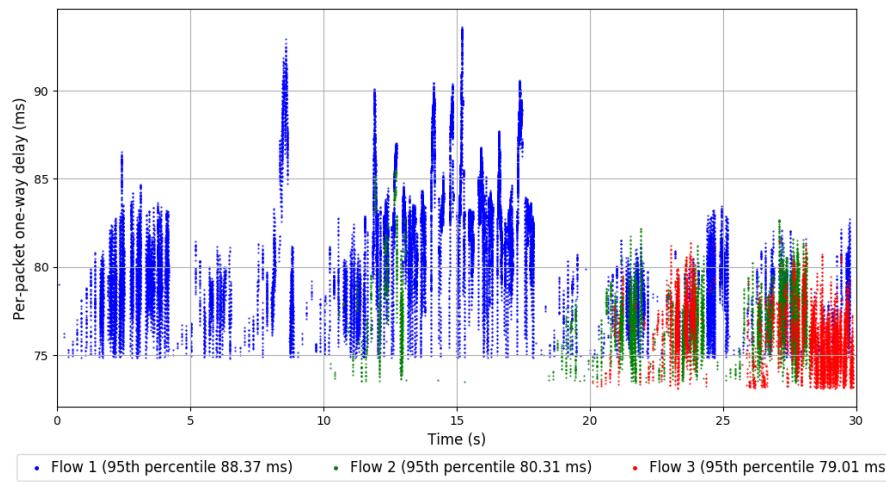
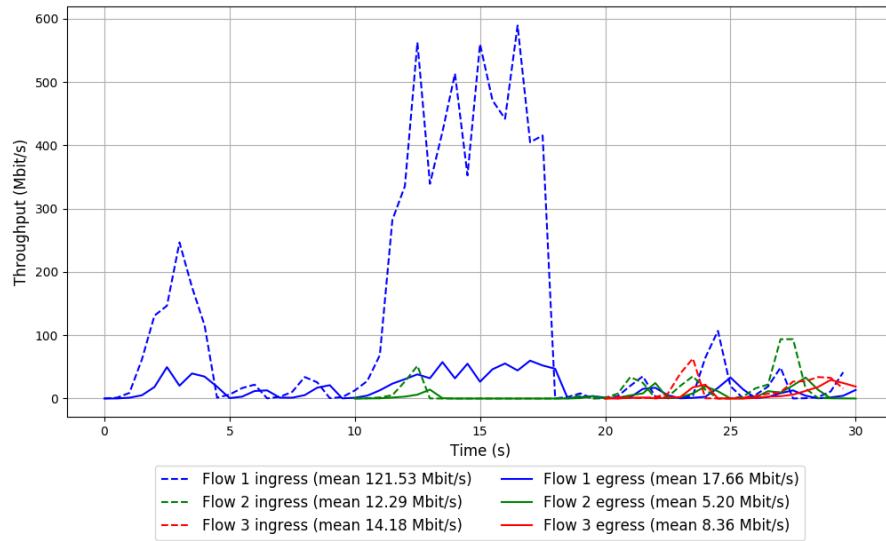


Run 4: Statistics of Verus

```
Start at: 2019-07-18 00:47:35
End at: 2019-07-18 00:48:05
Local clock offset: -2.115 ms
Remote clock offset: -7.817 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 87.870 ms
Loss rate: 82.25%
-- Flow 1:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 88.367 ms
Loss rate: 85.47%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 80.314 ms
Loss rate: 57.66%
-- Flow 3:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 79.012 ms
Loss rate: 41.00%
```

Run 4: Report of Verus — Data Link

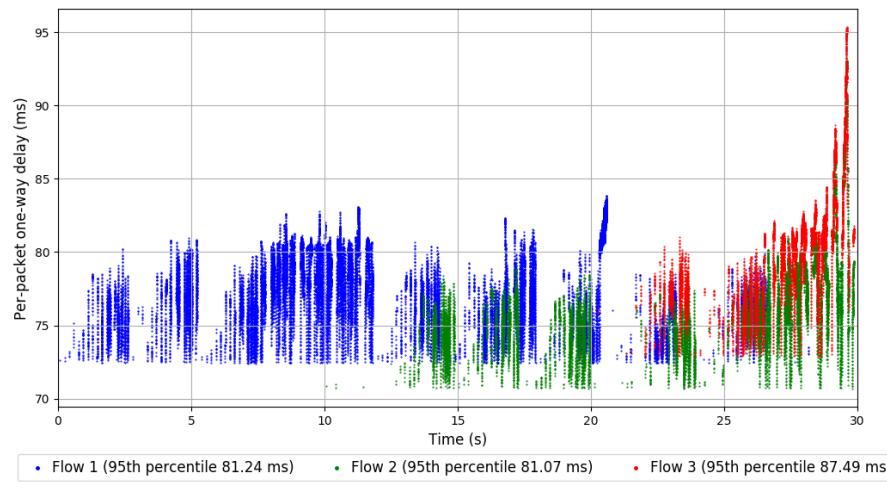
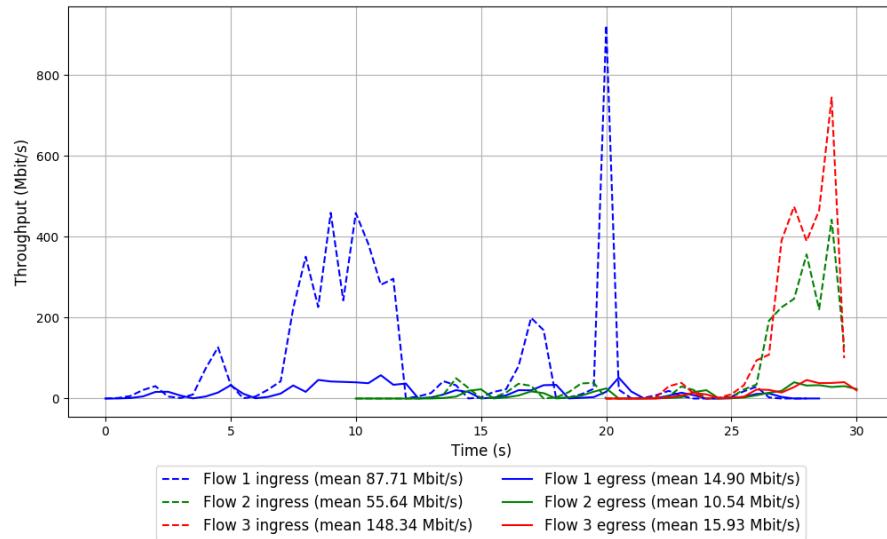


Run 5: Statistics of Verus

```
Start at: 2019-07-18 01:17:55
End at: 2019-07-18 01:18:25
Local clock offset: -6.375 ms
Remote clock offset: -8.81 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.28 Mbit/s
95th percentile per-packet one-way delay: 82.472 ms
Loss rate: 84.43%
-- Flow 1:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 81.236 ms
Loss rate: 83.12%
-- Flow 2:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 81.073 ms
Loss rate: 81.05%
-- Flow 3:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 87.492 ms
Loss rate: 89.25%
```

Run 5: Report of Verus — Data Link

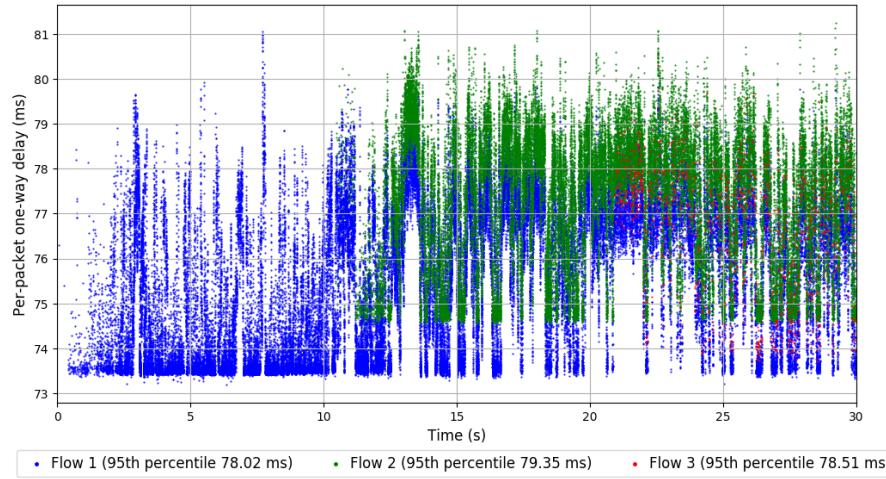
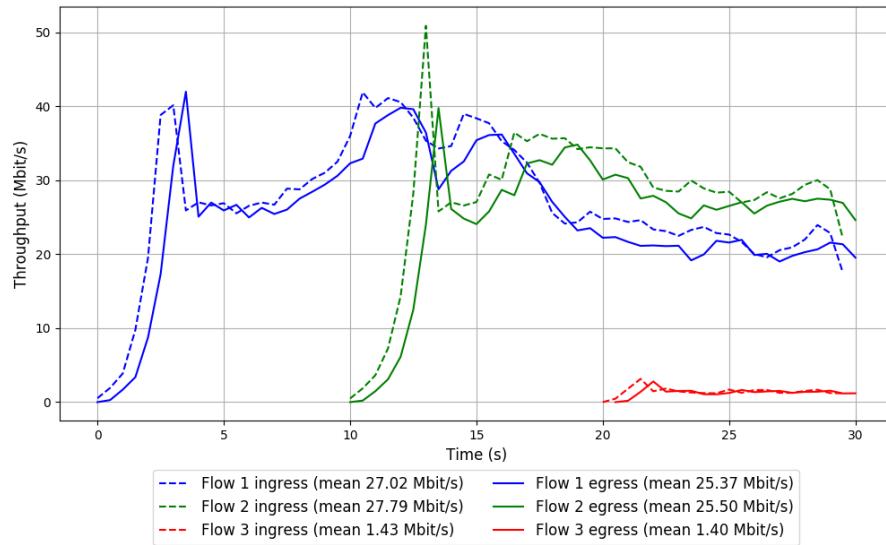


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-07-17 22:54:40
End at: 2019-07-17 22:55:10
Local clock offset: -7.963 ms
Remote clock offset: -7.696 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 78.942 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 78.023 ms
Loss rate: 6.10%
-- Flow 2:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 79.353 ms
Loss rate: 8.25%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 78.506 ms
Loss rate: 7.37%
```

Run 1: Report of PCC-Vivace — Data Link

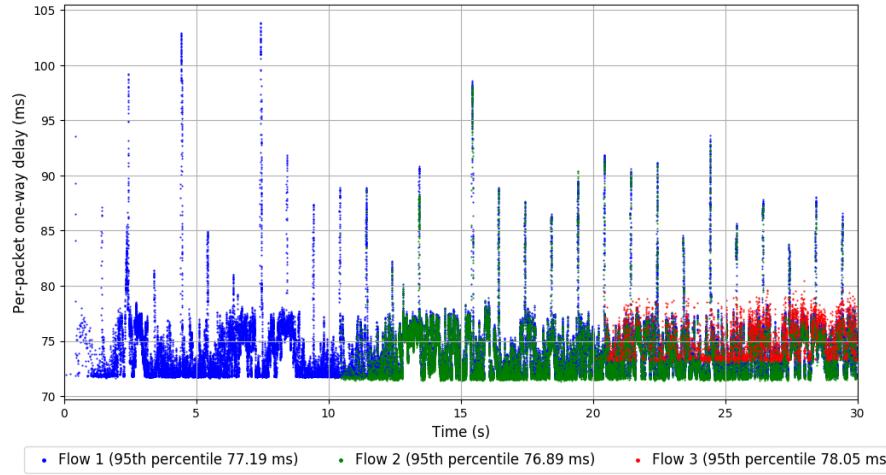
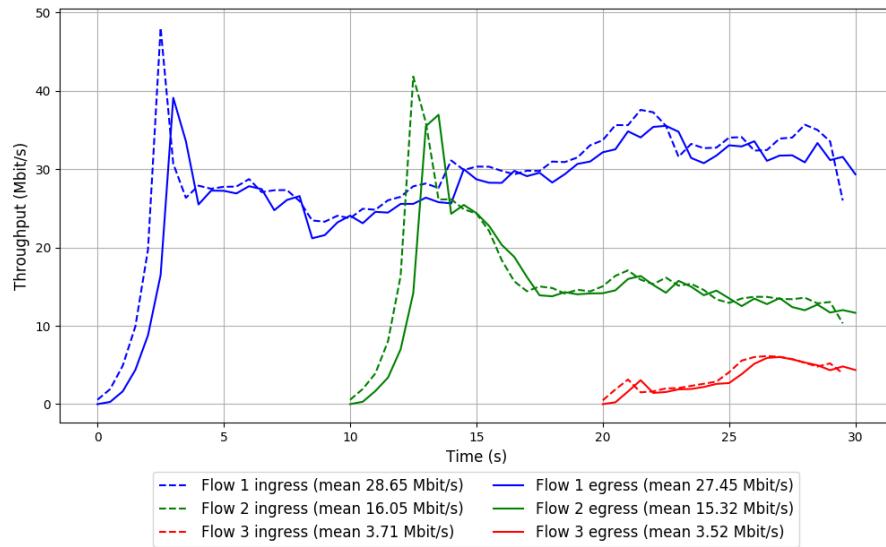


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-17 23:25:02
End at: 2019-07-17 23:25:32
Local clock offset: -7.693 ms
Remote clock offset: -2.413 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 77.197 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 77.191 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 76.889 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 78.046 ms
Loss rate: 5.06%
```

Run 2: Report of PCC-Vivace — Data Link

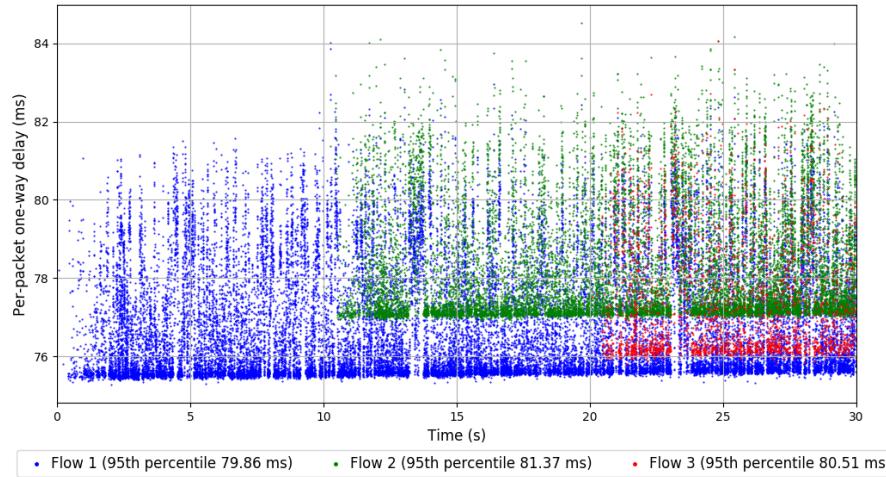
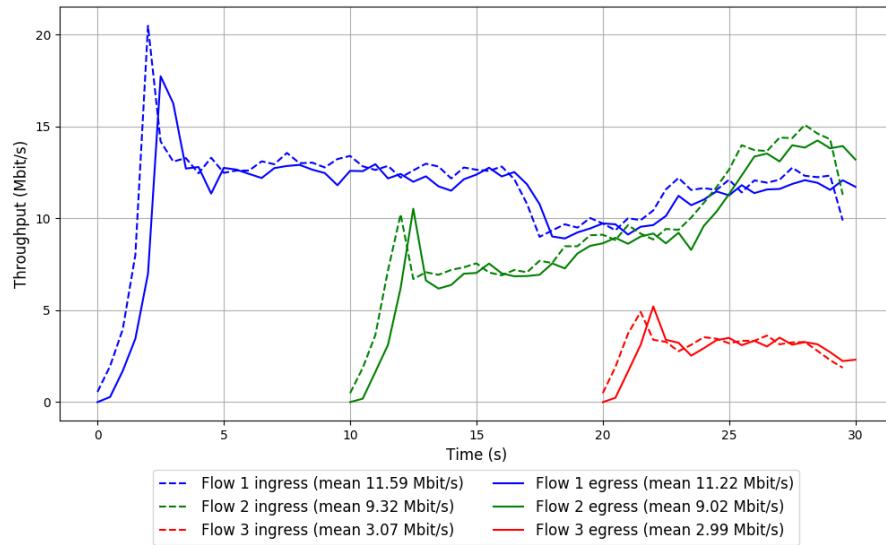


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-17 23:55:29
End at: 2019-07-17 23:55:59
Local clock offset: -6.217 ms
Remote clock offset: -3.424 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 80.562 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 79.861 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 81.372 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 80.510 ms
Loss rate: 2.86%
```

Run 3: Report of PCC-Vivace — Data Link

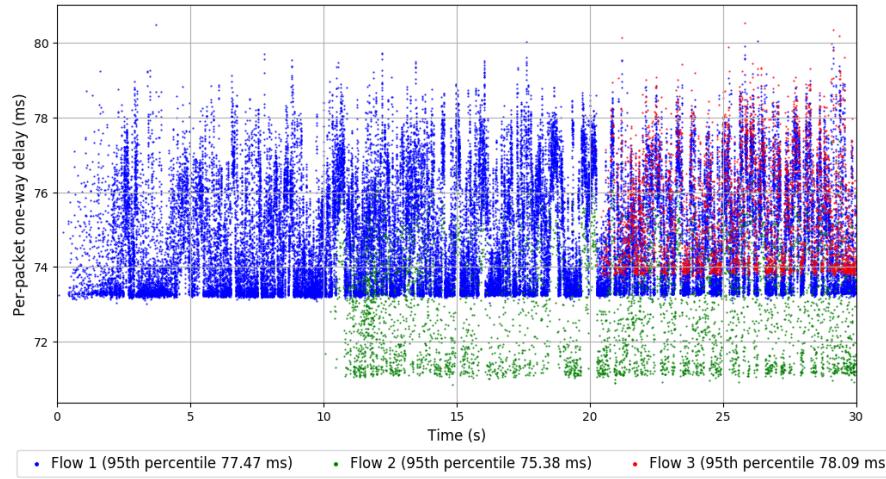
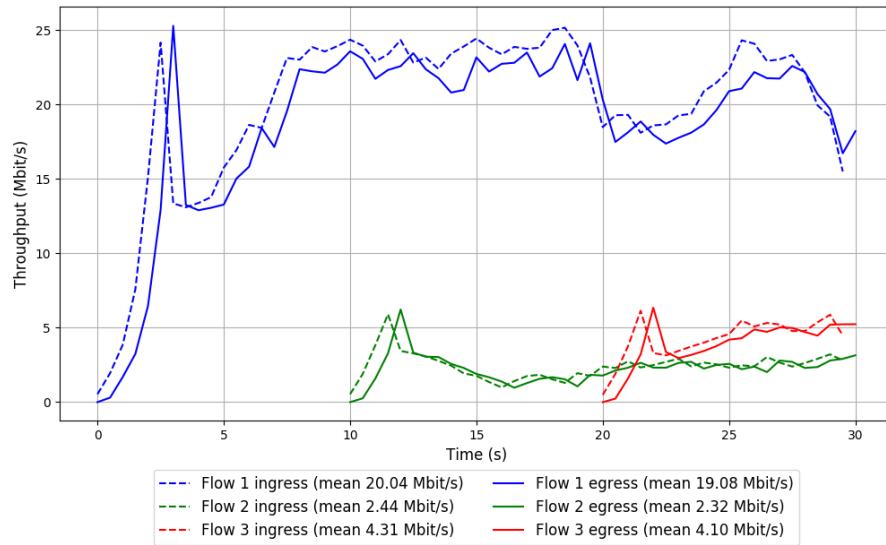


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-18 00:25:35
End at: 2019-07-18 00:26:05
Local clock offset: -2.87 ms
Remote clock offset: -7.978 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 77.477 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 77.470 ms
Loss rate: 4.81%
-- Flow 2:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 75.378 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 78.086 ms
Loss rate: 4.83%
```

Run 4: Report of PCC-Vivace — Data Link

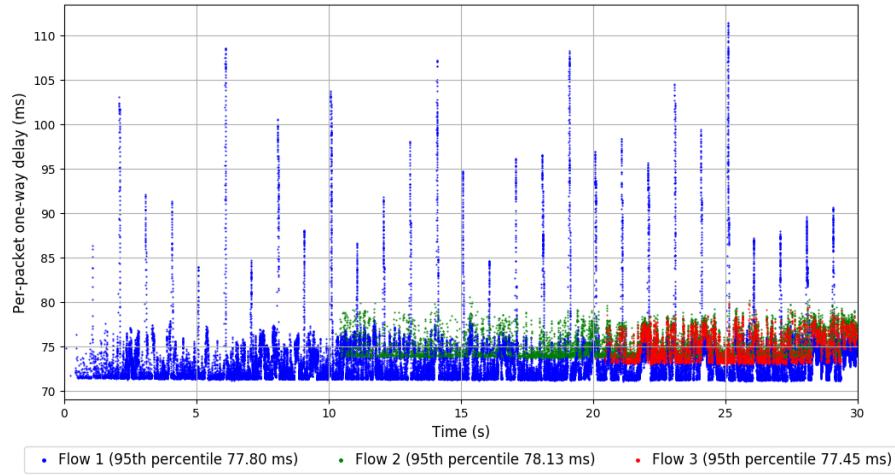
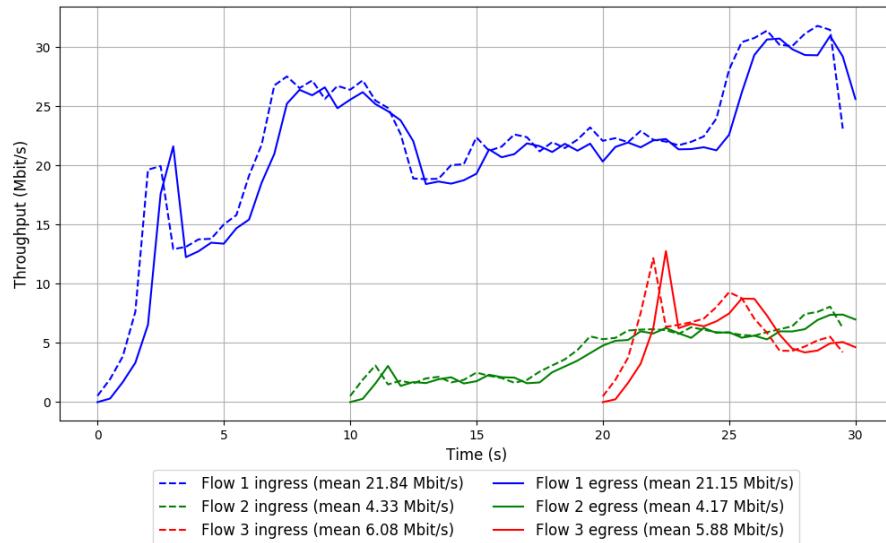


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-18 00:56:30
End at: 2019-07-18 00:57:00
Local clock offset: -2.612 ms
Remote clock offset: -9.34 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.87 Mbit/s
95th percentile per-packet one-way delay: 77.904 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 77.802 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 78.126 ms
Loss rate: 3.67%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 77.454 ms
Loss rate: 3.27%
```

Run 5: Report of PCC-Vivace — Data Link

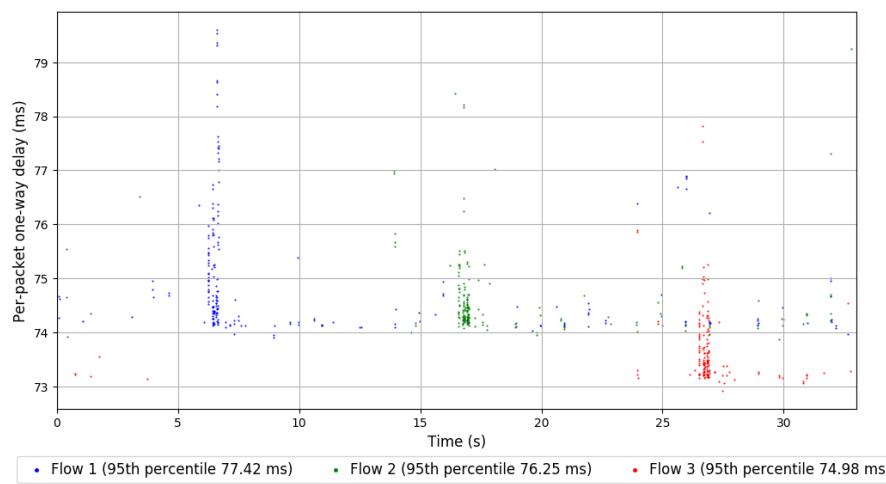
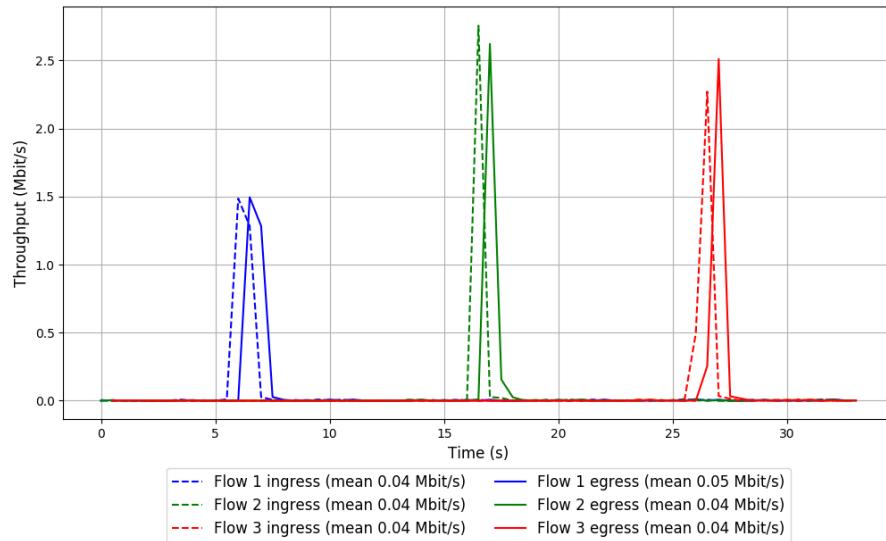


```
Run 1: Statistics of WebRTC media

Start at: 2019-07-17 23:01:04
End at: 2019-07-17 23:01:34
Local clock offset: -7.967 ms
Remote clock offset: -7.52 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 76.844 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 77.423 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 76.246 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 74.985 ms
Loss rate: 0.06%
```

### Run 1: Report of WebRTC media — Data Link

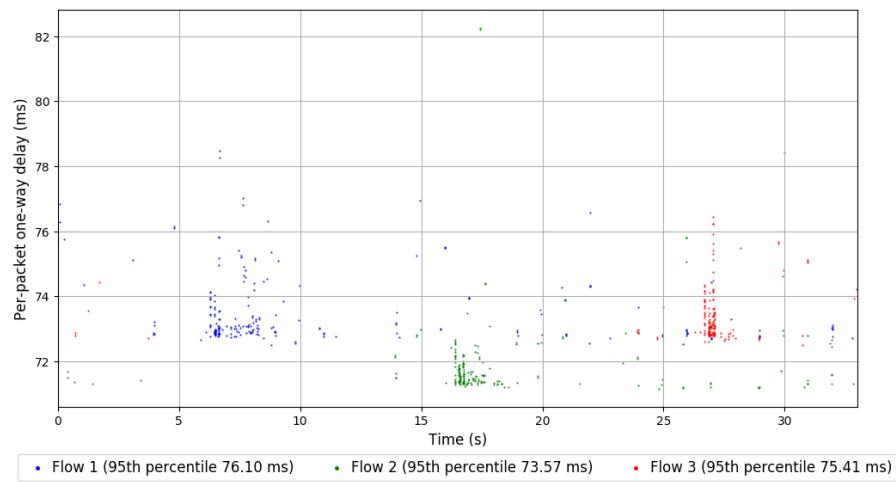
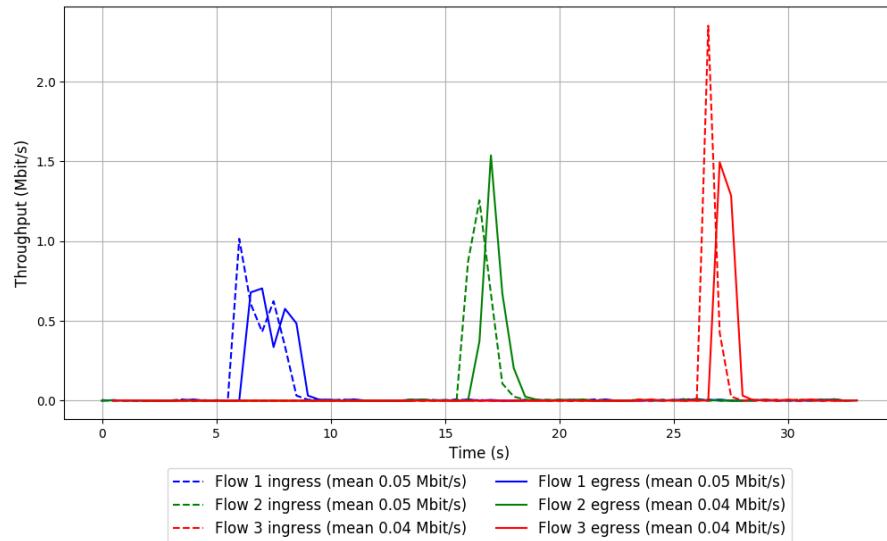


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-17 23:31:34
End at: 2019-07-17 23:32:04
Local clock offset: -6.429 ms
Remote clock offset: -1.41 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 75.483 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 76.103 ms
Loss rate: 7.50%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 73.574 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 75.414 ms
Loss rate: 0.00%
```

## Run 2: Report of WebRTC media — Data Link

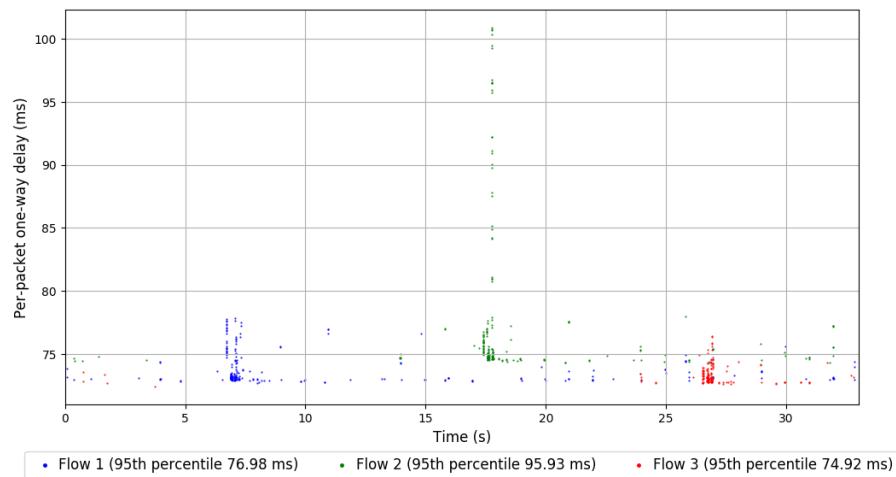
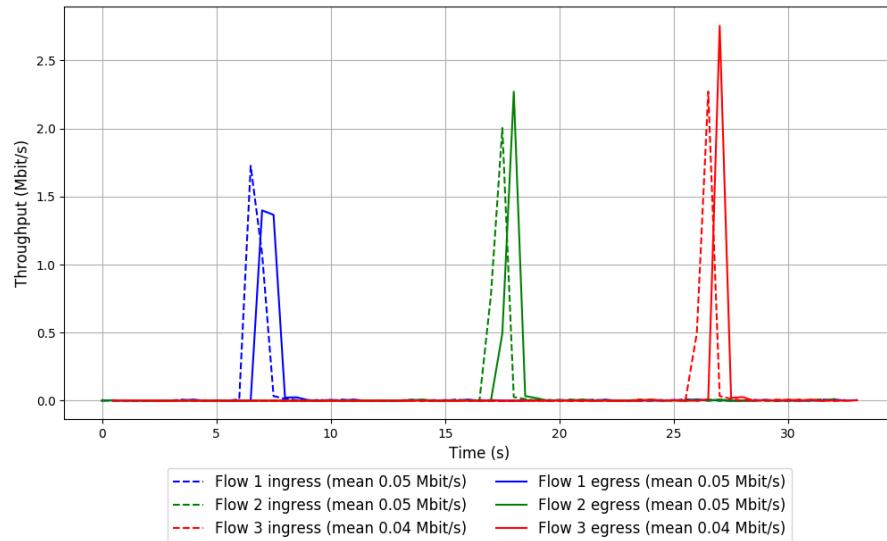


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-18 00:01:50
End at: 2019-07-18 00:02:20
Local clock offset: -5.13 ms
Remote clock offset: -4.65 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 77.940 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 76.979 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 95.931 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 74.919 ms
Loss rate: 0.00%
```

### Run 3: Report of WebRTC media — Data Link

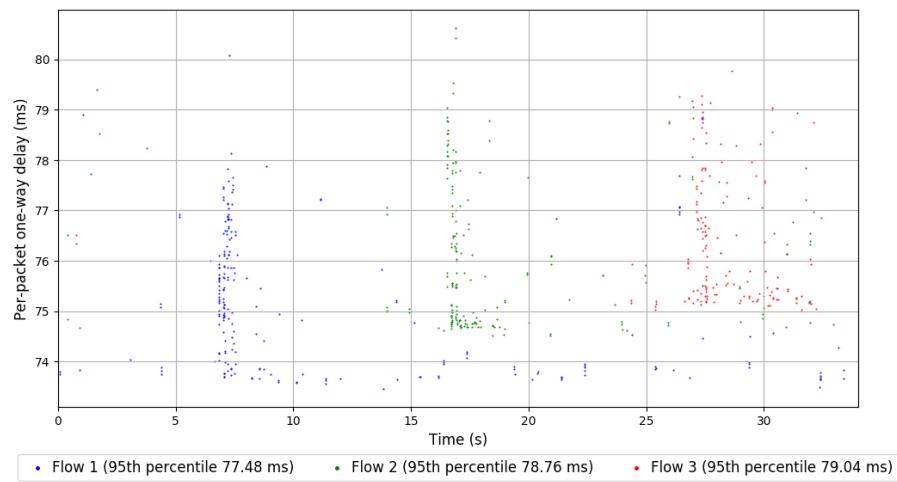
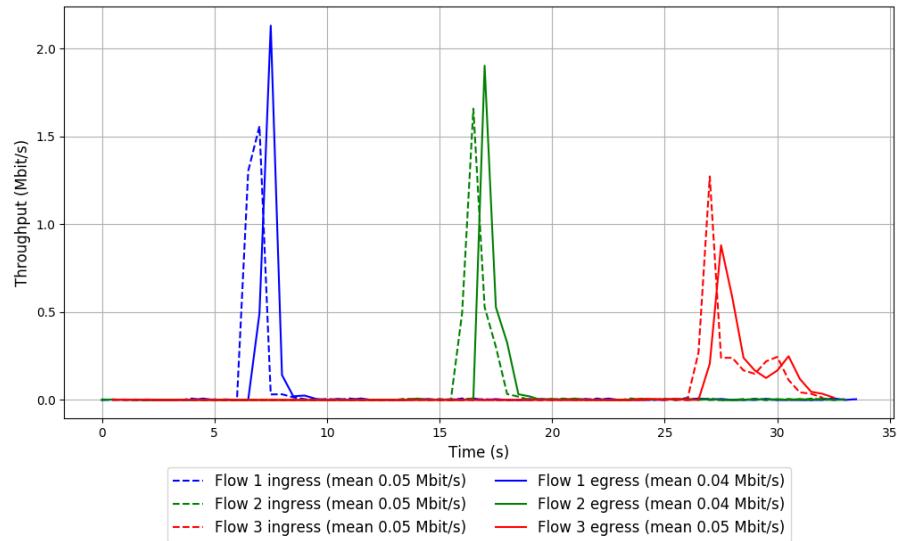


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-18 00:32:01
End at: 2019-07-18 00:32:31
Local clock offset: -2.821 ms
Remote clock offset: -6.967 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 78.756 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 77.476 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 78.757 ms
Loss rate: 7.06%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.039 ms
Loss rate: 5.96%
```

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-18 01:02:54
End at: 2019-07-18 01:03:24
Local clock offset: -4.804 ms
Remote clock offset: -7.286 ms

# Below is generated by plot.py at 2019-07-18 01:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 78.911 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.315 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 77.689 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 76.964 ms
Loss rate: 0.00%
```

### Run 5: Report of WebRTC media — Data Link

