

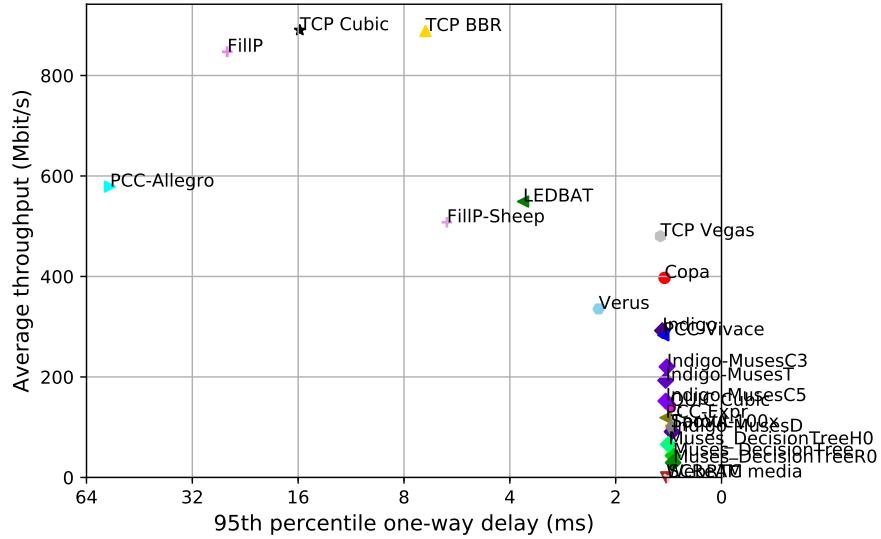
## Pantheon Report

Generated at 2019-07-12 19:56:36 (UTC).  
Data path: Stanford on `eno1` (*remote*) → AWS California 1 on `ens5` (*local*).  
Repeated the test of 24 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

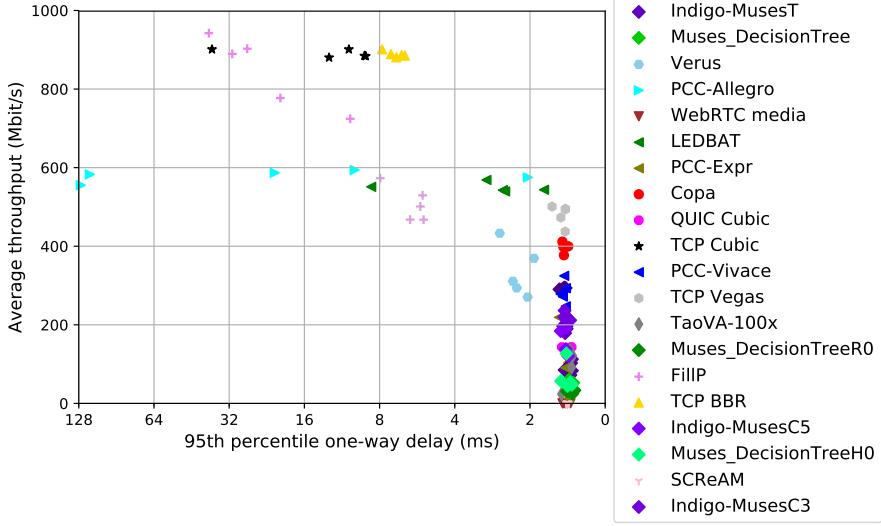
```
System info:  
Linux 4.15.0-1041-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f  
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 @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00  
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 Stanford to AWS California 1, 5 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Stanford to AWS California 1, 5 runs of 30s each per scheme  
3 flows with 10s interval between flows



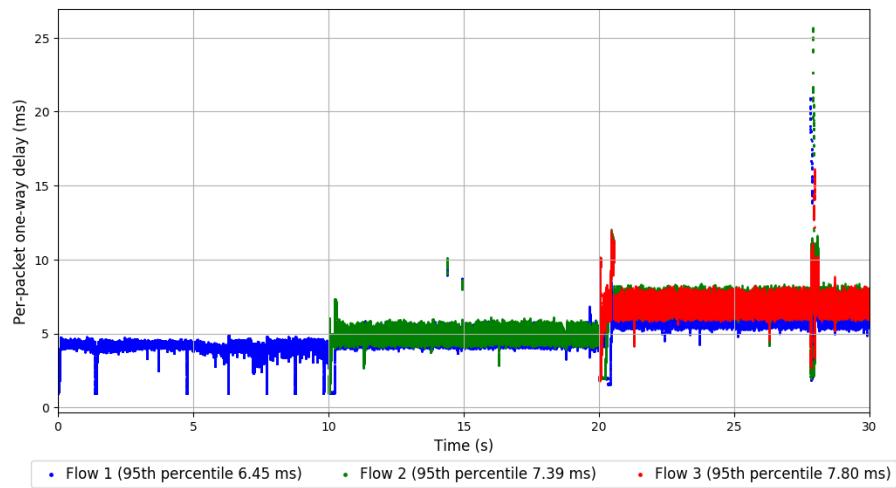
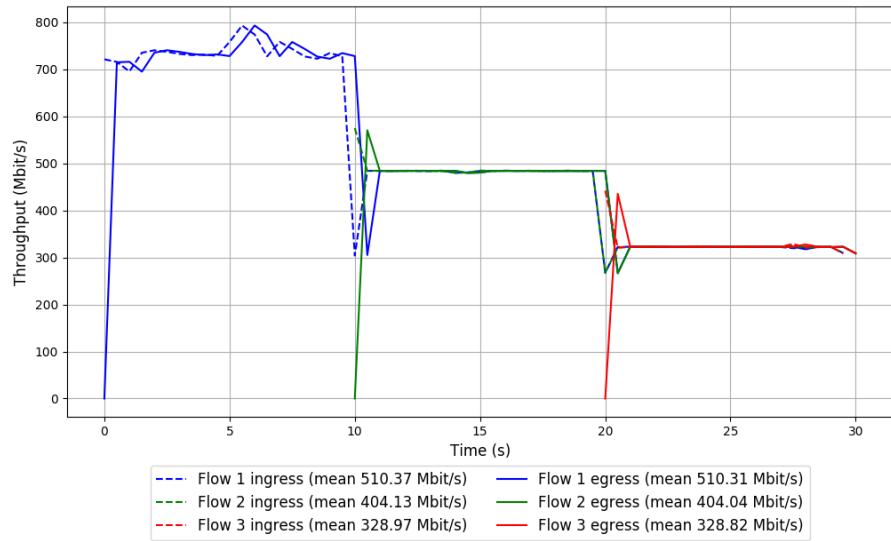
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	509.79	404.65	328.68	6.88	6.42	6.65	0.03	0.03	0.06
Copa		243.32	178.83	104.82	1.12	1.01	0.98	0.00	0.01	0.02
TCP Cubic		515.01	402.73	321.31	16.58	7.57	7.76	0.03	0.03	0.08
FillP		538.57	347.34	234.90	23.77	21.53	26.98	0.04	0.05	0.22
FillP-Sheep		381.86	168.84	41.65	6.37	4.97	3.36	0.00	0.00	0.00
Indigo		156.49	142.46	125.47	1.07	1.16	1.18	0.01	0.01	0.00
Indigo-MusesC3		163.16	75.07	42.27	1.01	1.09	0.99	0.01	0.01	0.04
Indigo-MusesC5		91.96	81.44	33.68	1.02	1.11	0.94	0.00	0.02	0.01
Indigo-MusesD		58.00	34.90	42.67	0.94	0.92	0.92	0.00	0.01	0.04
Indigo-MusesT		143.59	64.56	37.49	1.06	1.06	1.01	0.00	0.01	0.04
LEDBAT		323.21	247.46	184.30	4.14	2.15	1.75	0.00	0.00	0.01
Muses_DecisionTree		17.03	29.06	23.09	0.91	0.92	0.93	0.01	0.01	0.01
Muses_DecisionTreeH0		43.31	25.05	18.95	1.00	1.00	1.01	0.00	0.01	0.01
Muses_DecisionTreeR0		13.93	15.31	17.17	0.92	0.90	0.92	0.01	0.00	0.01
PCC-Allegro		447.61	162.60	70.60	58.66	1.73	1.16	0.03	0.00	0.02
PCC-Expr		60.64	71.43	32.57	1.05	1.05	1.00	0.00	0.01	0.01
QUIC Cubic		77.24	68.09	60.42	0.97	0.95	0.99	0.00	0.01	0.02
SCReAM		0.22	0.22	0.22	1.02	1.00	0.98	0.00	0.00	0.21
Sprout		50.25	50.19	49.84	0.96	0.95	0.97	0.01	0.00	0.05
TaoVA-100x		75.06	27.56	19.12	0.96	0.94	0.98	0.00	0.00	0.01
TCP Vegas		230.53	255.24	239.43	1.21	1.14	1.27	0.00	0.01	0.02
Verus		175.55	197.63	95.27	2.28	2.93	1.77	0.01	0.02	0.00
PCC-Vivace		181.35	107.22	92.16	1.02	1.23	1.23	0.00	0.01	0.01
WebRTC media		0.05	0.05	0.05	1.04	1.03	1.05	0.01	0.01	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-12 16:26:17
End at: 2019-07-12 16:26:47
Local clock offset: 6.234 ms
Remote clock offset: 4.67 ms

# Below is generated by plot.py at 2019-07-12 19:06:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 888.84 Mbit/s
95th percentile per-packet one-way delay: 7.201 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 510.31 Mbit/s
95th percentile per-packet one-way delay: 6.450 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 404.04 Mbit/s
95th percentile per-packet one-way delay: 7.394 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.82 Mbit/s
95th percentile per-packet one-way delay: 7.798 ms
Loss rate: 0.07%
```

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

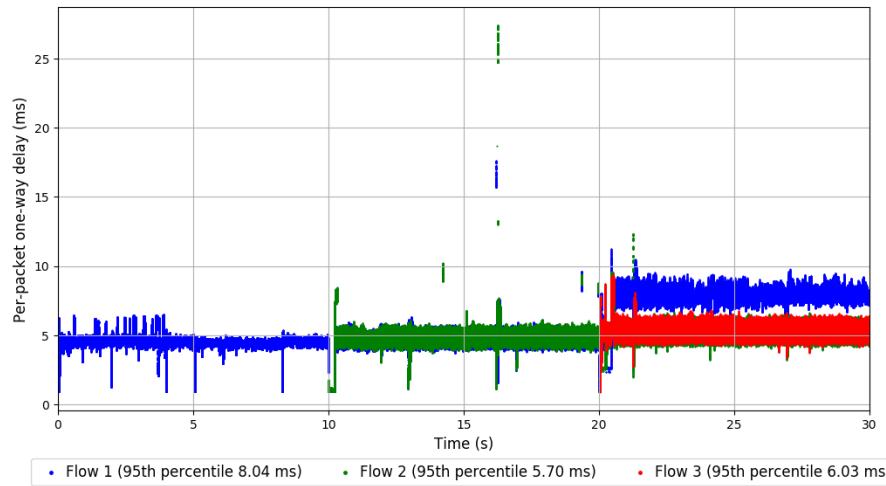
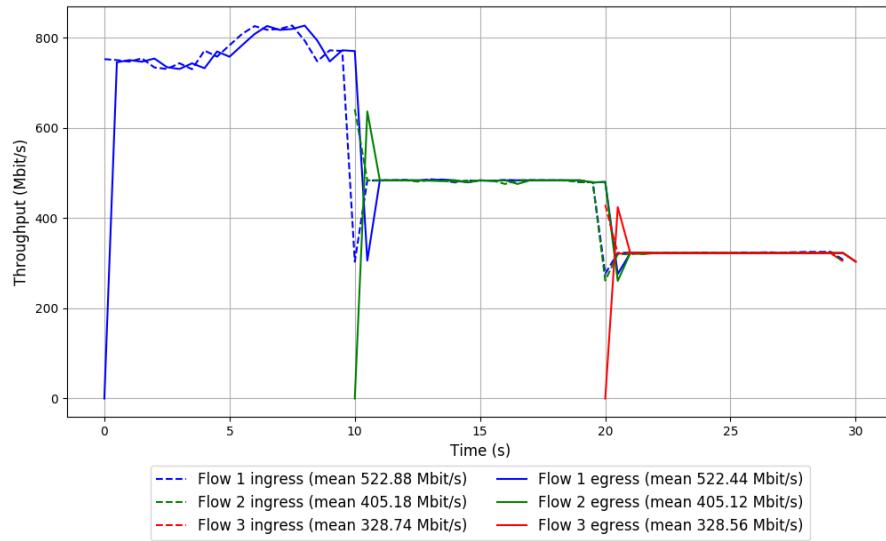


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-12 17:00:45
End at: 2019-07-12 17:01:15
Local clock offset: 6.858 ms
Remote clock offset: 3.233 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 901.37 Mbit/s
95th percentile per-packet one-way delay: 7.823 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 522.44 Mbit/s
95th percentile per-packet one-way delay: 8.037 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 405.12 Mbit/s
95th percentile per-packet one-way delay: 5.703 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 328.56 Mbit/s
95th percentile per-packet one-way delay: 6.030 ms
Loss rate: 0.06%
```

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

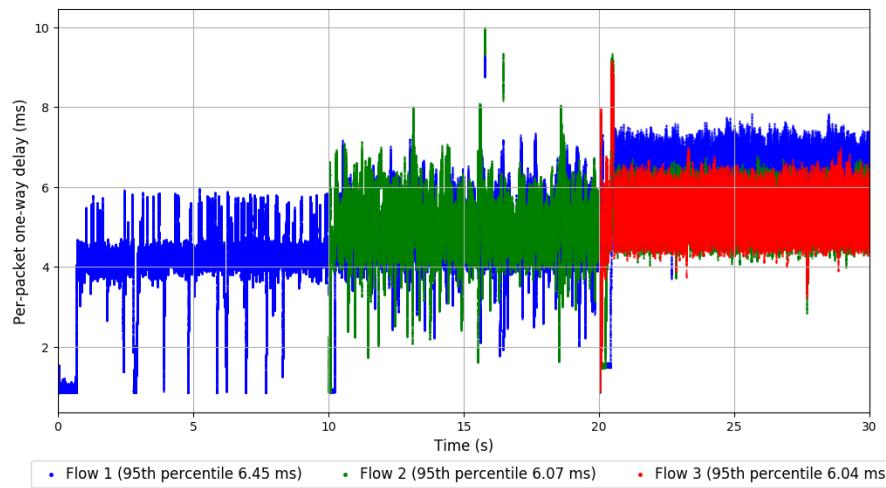
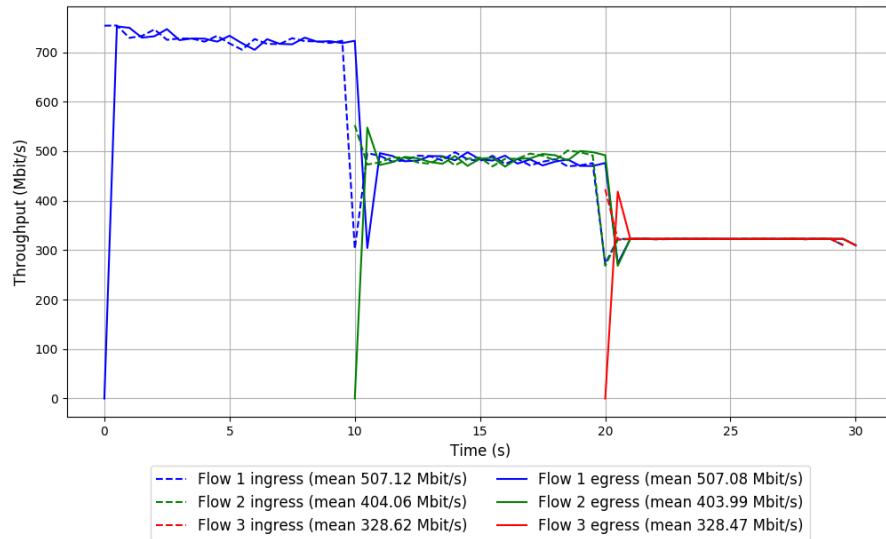


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-12 17:35:04
End at: 2019-07-12 17:35:34
Local clock offset: 6.758 ms
Remote clock offset: 3.259 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 885.23 Mbit/s
95th percentile per-packet one-way delay: 6.338 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 507.08 Mbit/s
95th percentile per-packet one-way delay: 6.447 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 403.99 Mbit/s
95th percentile per-packet one-way delay: 6.070 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.47 Mbit/s
95th percentile per-packet one-way delay: 6.039 ms
Loss rate: 0.06%
```

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

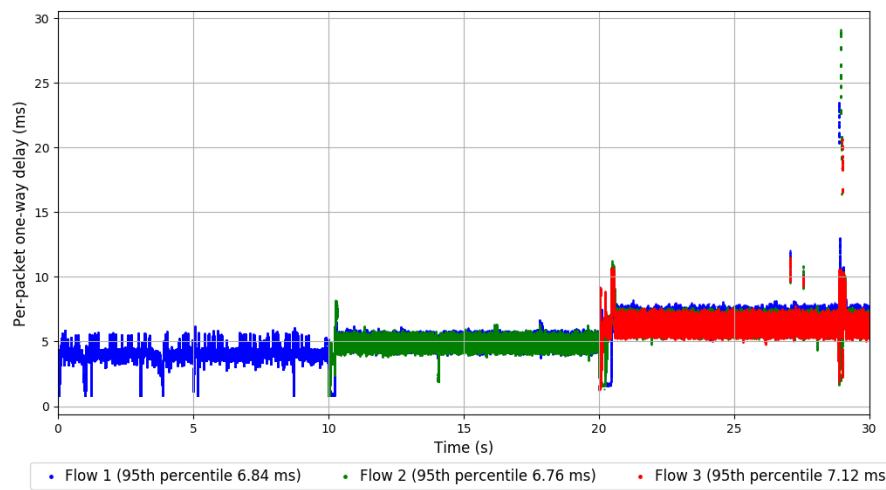
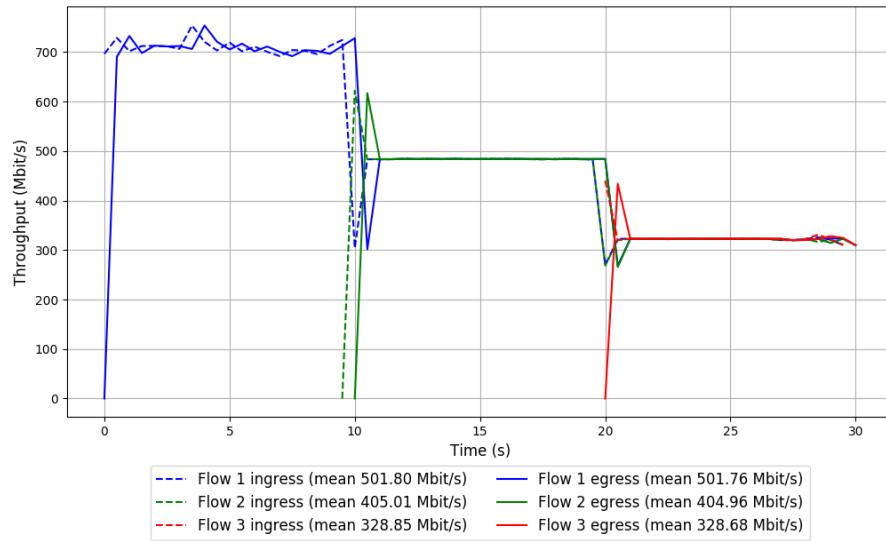


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-12 18:09:21
End at: 2019-07-12 18:09:51
Local clock offset: 7.165 ms
Remote clock offset: 3.629 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 880.92 Mbit/s
95th percentile per-packet one-way delay: 6.852 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 501.76 Mbit/s
95th percentile per-packet one-way delay: 6.836 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 404.96 Mbit/s
95th percentile per-packet one-way delay: 6.757 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.68 Mbit/s
95th percentile per-packet one-way delay: 7.123 ms
Loss rate: 0.07%
```

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

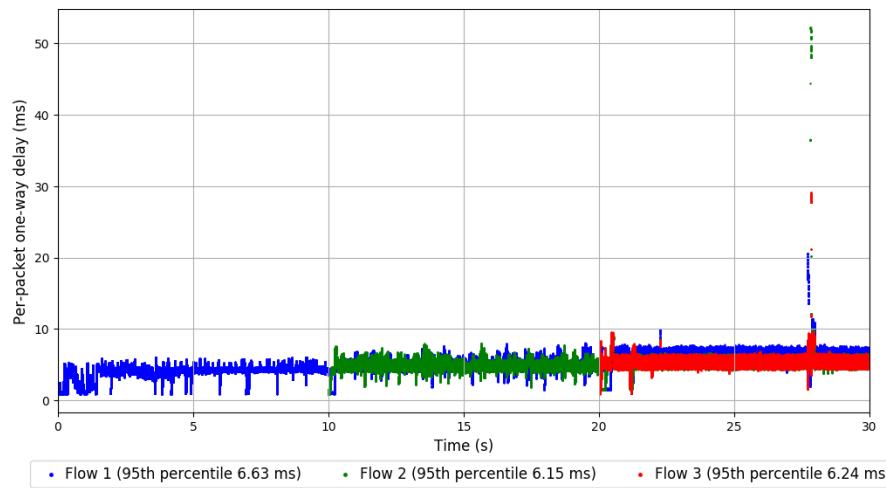
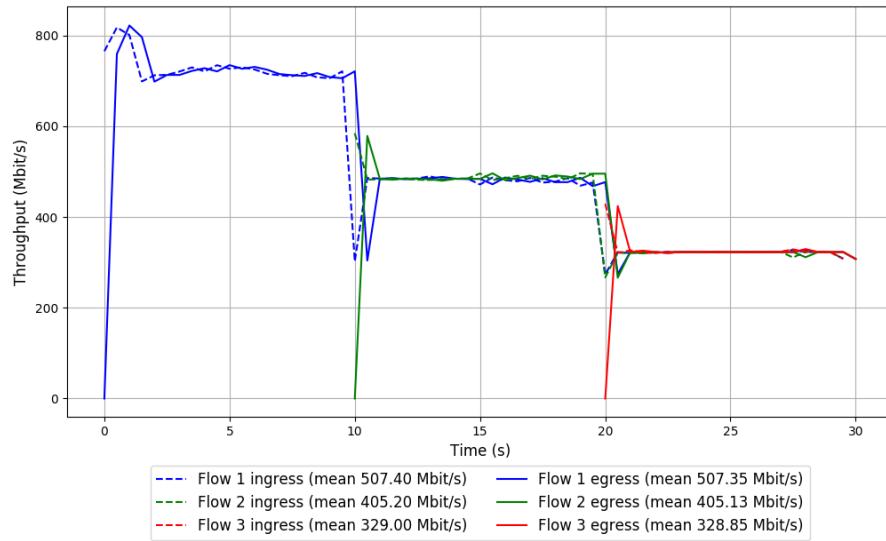


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-12 18:43:31
End at: 2019-07-12 18:44:01
Local clock offset: 7.698 ms
Remote clock offset: 3.122 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 886.49 Mbit/s
95th percentile per-packet one-way delay: 6.531 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 507.35 Mbit/s
95th percentile per-packet one-way delay: 6.632 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 405.13 Mbit/s
95th percentile per-packet one-way delay: 6.154 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.85 Mbit/s
95th percentile per-packet one-way delay: 6.238 ms
Loss rate: 0.06%
```

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

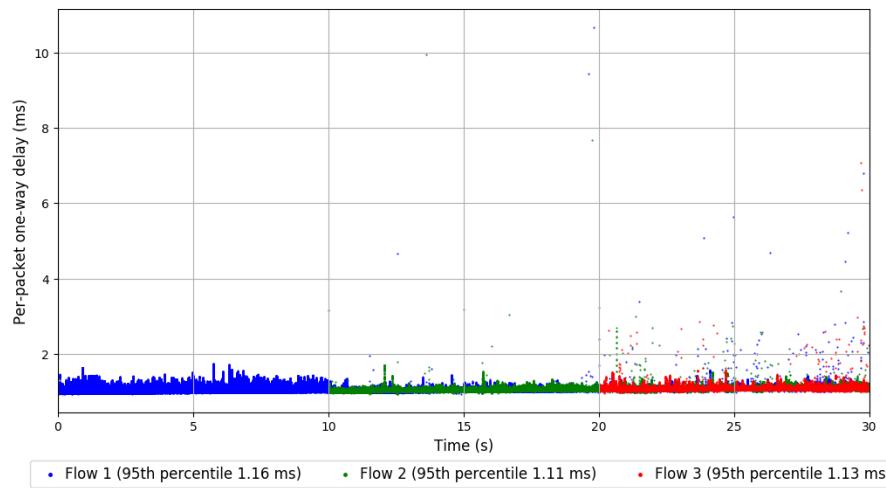
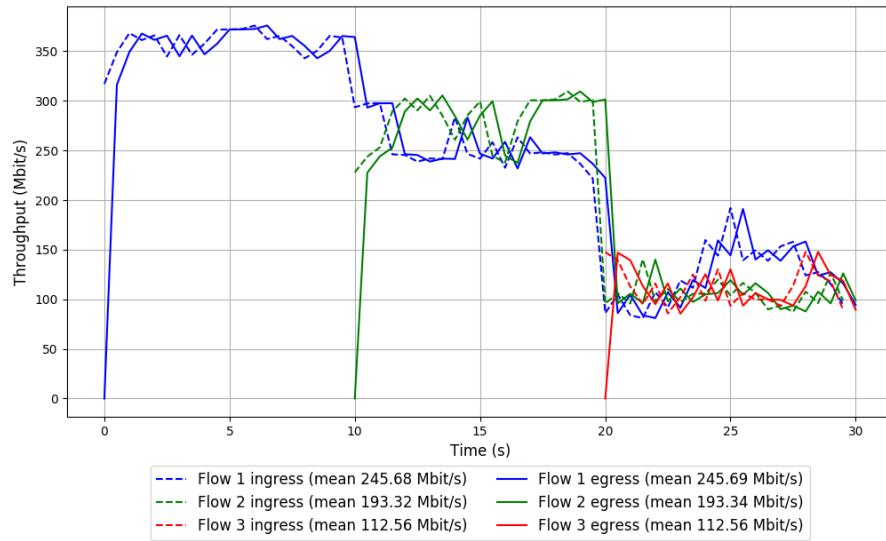


Run 1: Statistics of Copa

```
Start at: 2019-07-12 16:07:37
End at: 2019-07-12 16:08:07
Local clock offset: 6.281 ms
Remote clock offset: 1.881 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.76 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 245.69 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.34 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 112.56 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

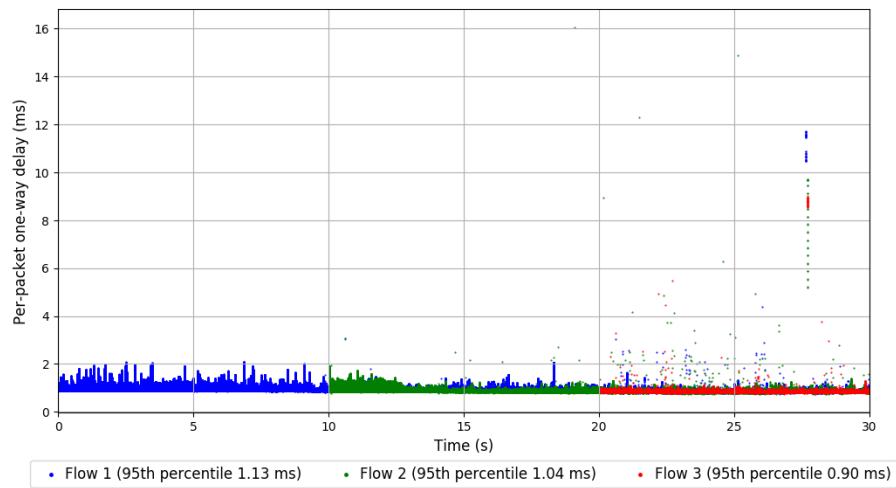
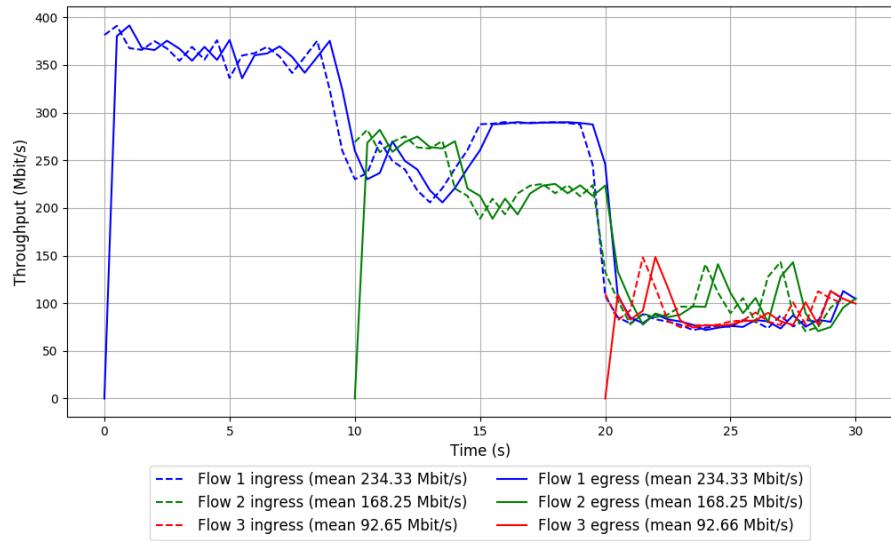


Run 2: Statistics of Copa

```
Start at: 2019-07-12 16:41:54
End at: 2019-07-12 16:42:24
Local clock offset: 6.654 ms
Remote clock offset: 4.141 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.09 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 234.33 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.25 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 0.897 ms
Loss rate: 0.03%
```

## Run 2: Report of Copa — Data Link

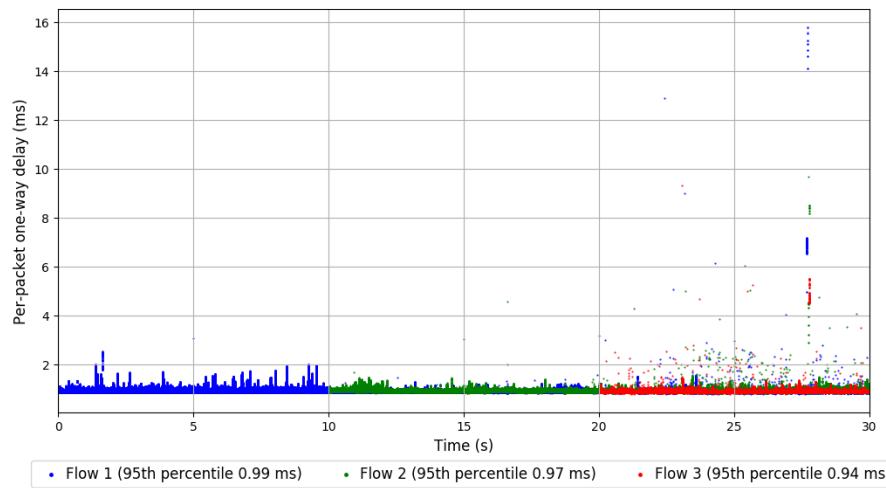
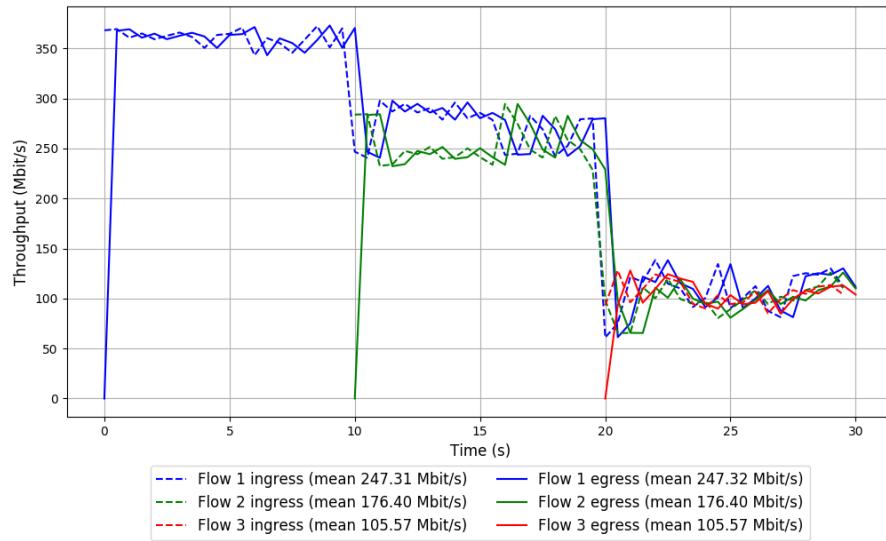


Run 3: Statistics of Copa

```
Start at: 2019-07-12 17:16:15
End at: 2019-07-12 17:16:45
Local clock offset: 6.736 ms
Remote clock offset: 3.208 ms

# Below is generated by plot.py at 2019-07-12 19:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.81 Mbit/s
95th percentile per-packet one-way delay: 0.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 247.32 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.40 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.57 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 0.02%
```

### Run 3: Report of Copa — Data Link

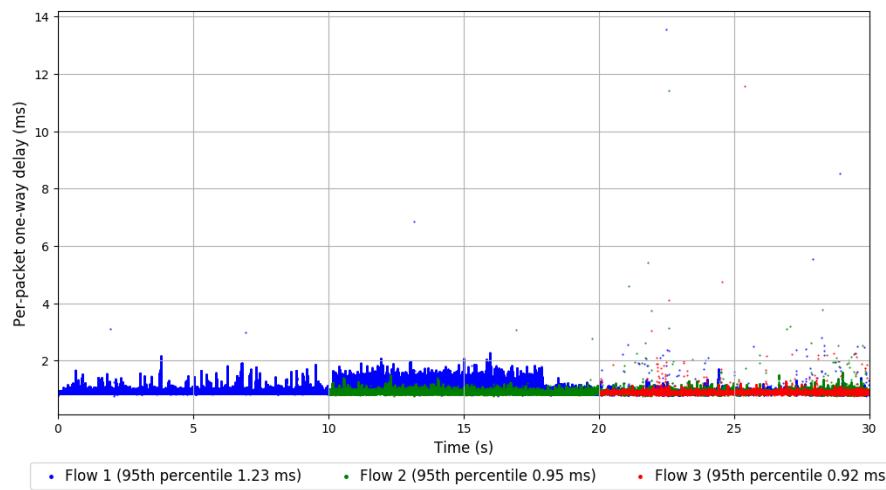
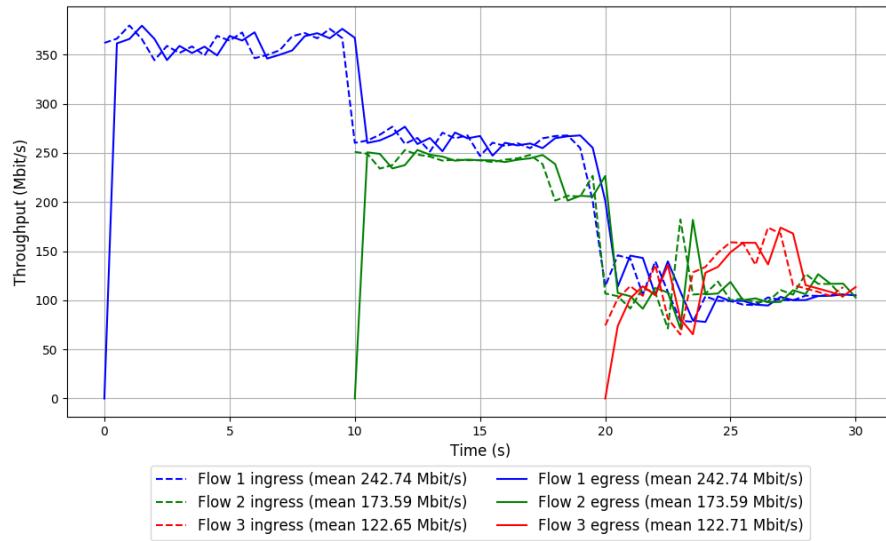


Run 4: Statistics of Copa

```
Start at: 2019-07-12 17:50:32
End at: 2019-07-12 17:51:02
Local clock offset: 6.774 ms
Remote clock offset: 3.351 ms

# Below is generated by plot.py at 2019-07-12 19:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.96 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 242.74 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 173.59 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.71 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.01%
```

Run 4: Report of Copa — Data Link

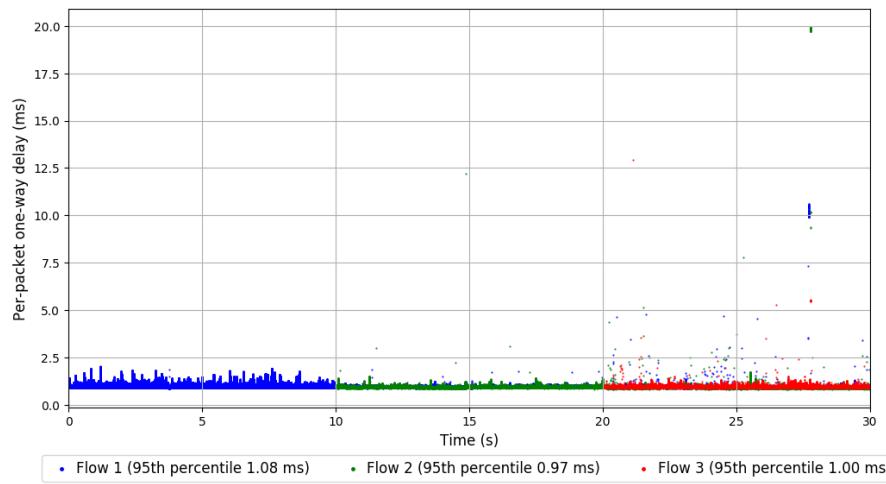
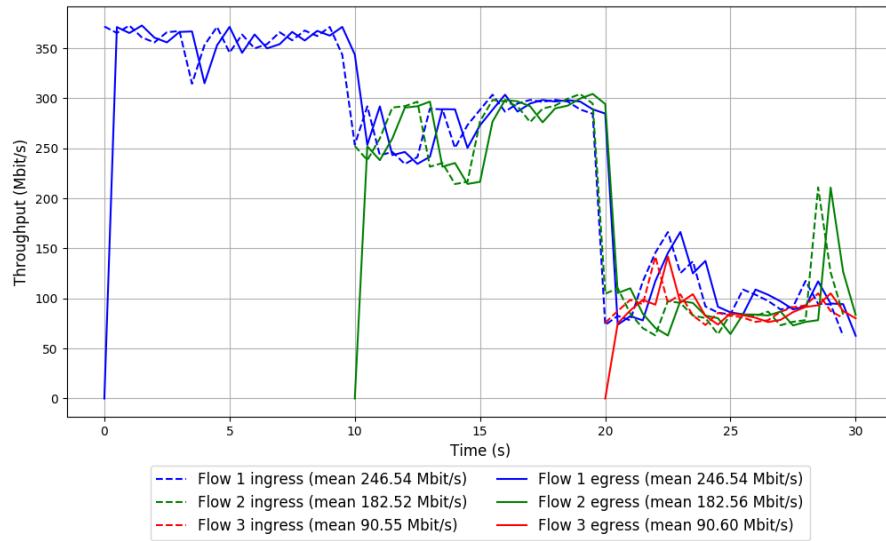


Run 5: Statistics of Copa

```
Start at: 2019-07-12 18:24:54
End at: 2019-07-12 18:25:24
Local clock offset: 7.381 ms
Remote clock offset: 3.31 ms

# Below is generated by plot.py at 2019-07-12 19:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.14 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.54 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.56 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.02%
```

## Run 5: Report of Copa — Data Link

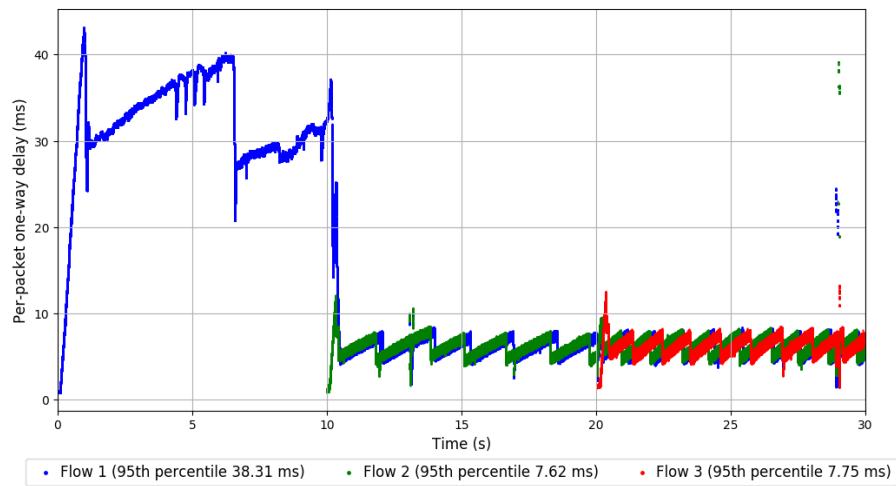
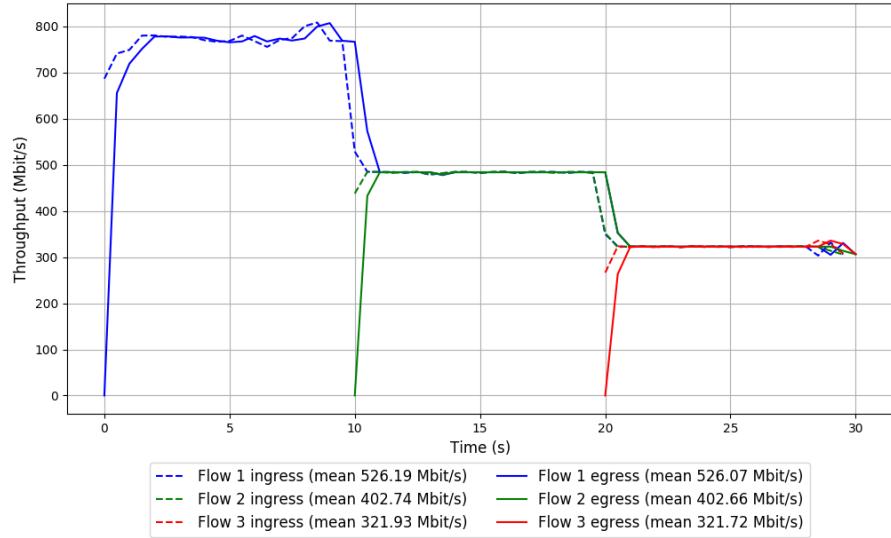


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-12 16:09:18
End at: 2019-07-12 16:09:48
Local clock offset: 6.278 ms
Remote clock offset: 2.364 ms

# Below is generated by plot.py at 2019-07-12 19:15:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 901.00 Mbit/s
95th percentile per-packet one-way delay: 37.495 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 526.07 Mbit/s
95th percentile per-packet one-way delay: 38.315 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 402.66 Mbit/s
95th percentile per-packet one-way delay: 7.616 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.72 Mbit/s
95th percentile per-packet one-way delay: 7.750 ms
Loss rate: 0.09%
```

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

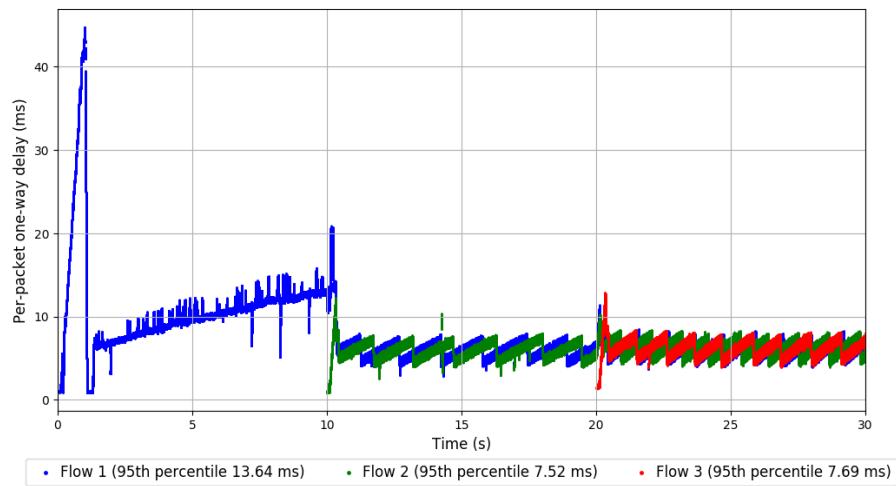
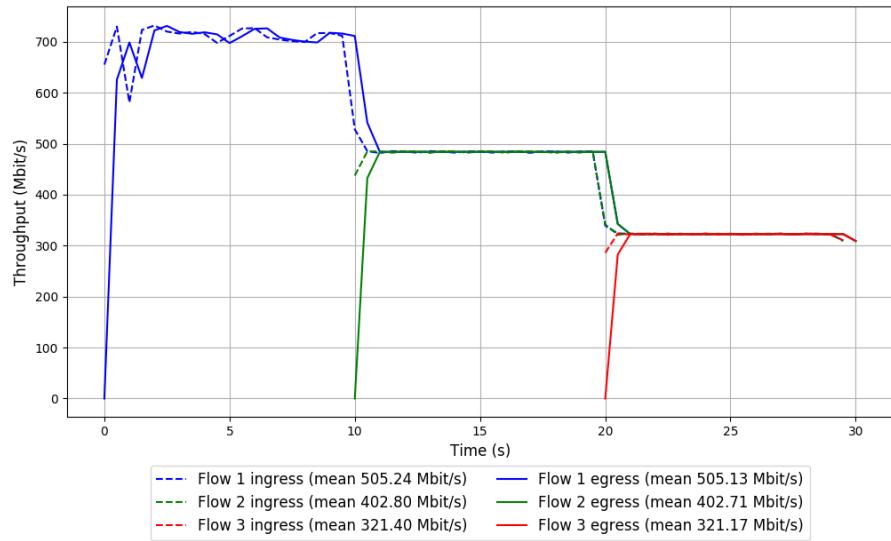


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-12 16:43:33
End at: 2019-07-12 16:44:03
Local clock offset: 6.71 ms
Remote clock offset: 3.957 ms

# Below is generated by plot.py at 2019-07-12 19:16:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 880.16 Mbit/s
95th percentile per-packet one-way delay: 12.743 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 505.13 Mbit/s
95th percentile per-packet one-way delay: 13.638 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 402.71 Mbit/s
95th percentile per-packet one-way delay: 7.522 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.17 Mbit/s
95th percentile per-packet one-way delay: 7.692 ms
Loss rate: 0.08%
```

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

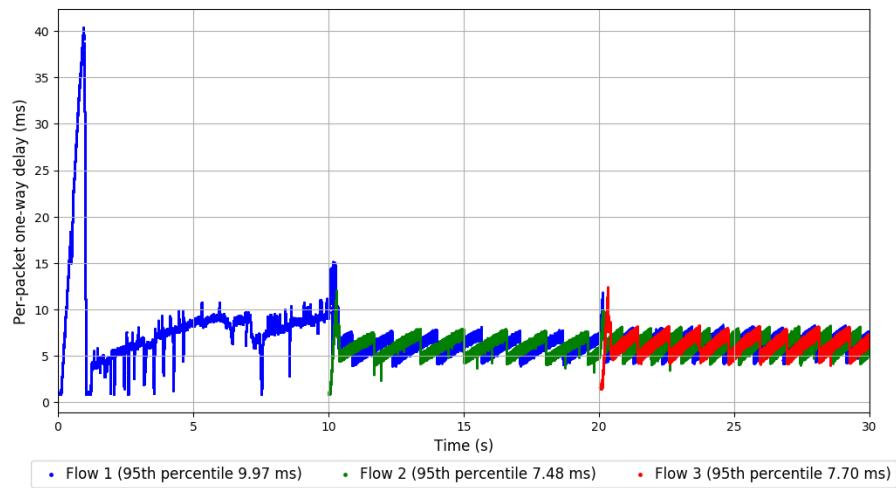
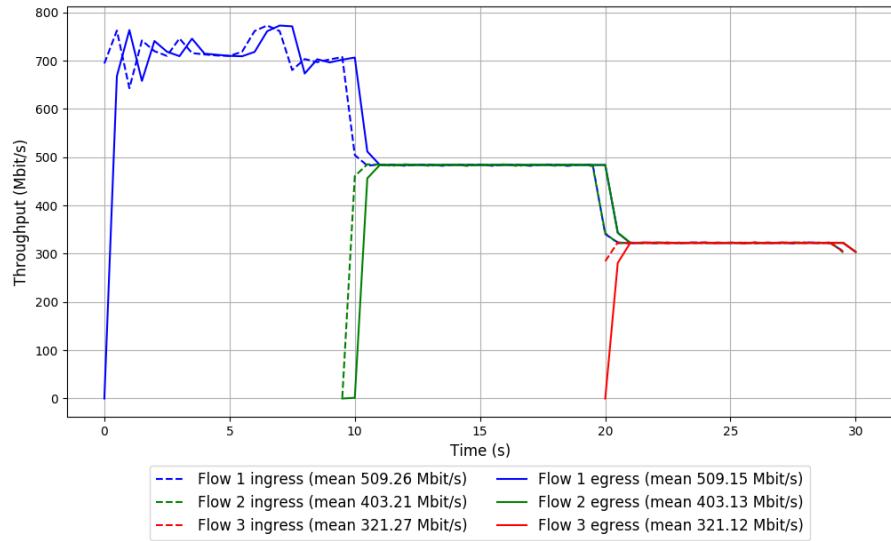


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-12 17:17:55
End at: 2019-07-12 17:18:25
Local clock offset: 6.733 ms
Remote clock offset: 3.177 ms

# Below is generated by plot.py at 2019-07-12 19:16:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.54 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 509.15 Mbit/s
95th percentile per-packet one-way delay: 9.968 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 403.13 Mbit/s
95th percentile per-packet one-way delay: 7.479 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.12 Mbit/s
95th percentile per-packet one-way delay: 7.697 ms
Loss rate: 0.08%
```

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

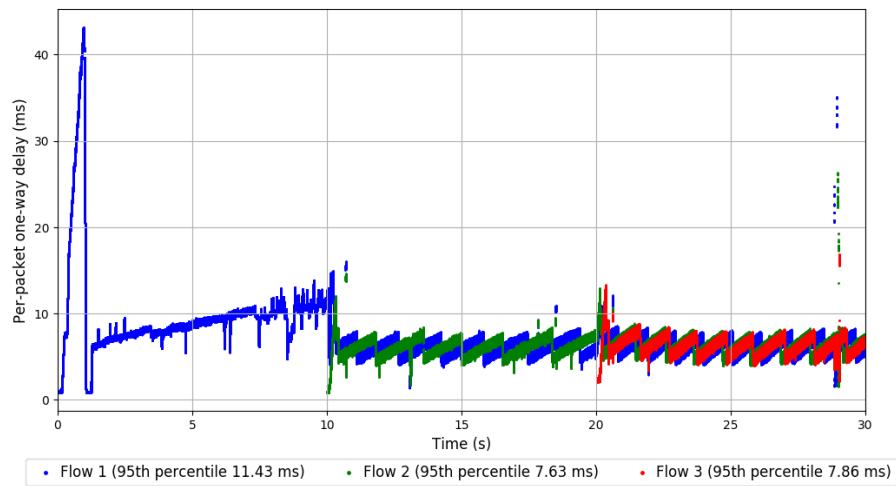
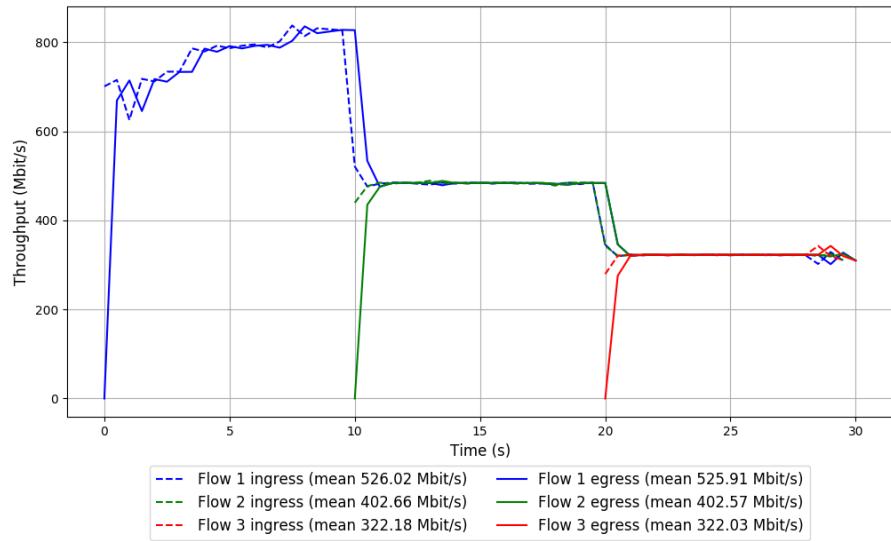


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-12 17:52:12
End at: 2019-07-12 17:52:42
Local clock offset: 6.775 ms
Remote clock offset: 3.382 ms

# Below is generated by plot.py at 2019-07-12 19:16:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 900.99 Mbit/s
95th percentile per-packet one-way delay: 10.620 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 525.91 Mbit/s
95th percentile per-packet one-way delay: 11.432 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.57 Mbit/s
95th percentile per-packet one-way delay: 7.632 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 322.03 Mbit/s
95th percentile per-packet one-way delay: 7.861 ms
Loss rate: 0.08%
```

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

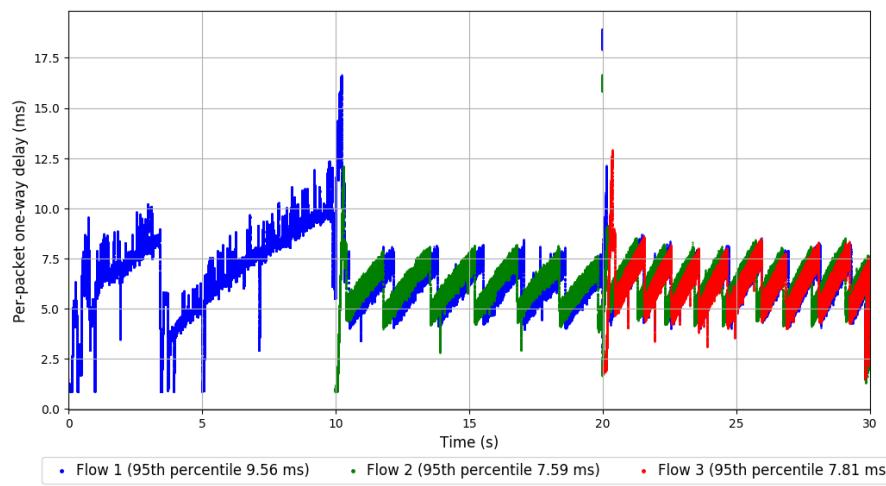
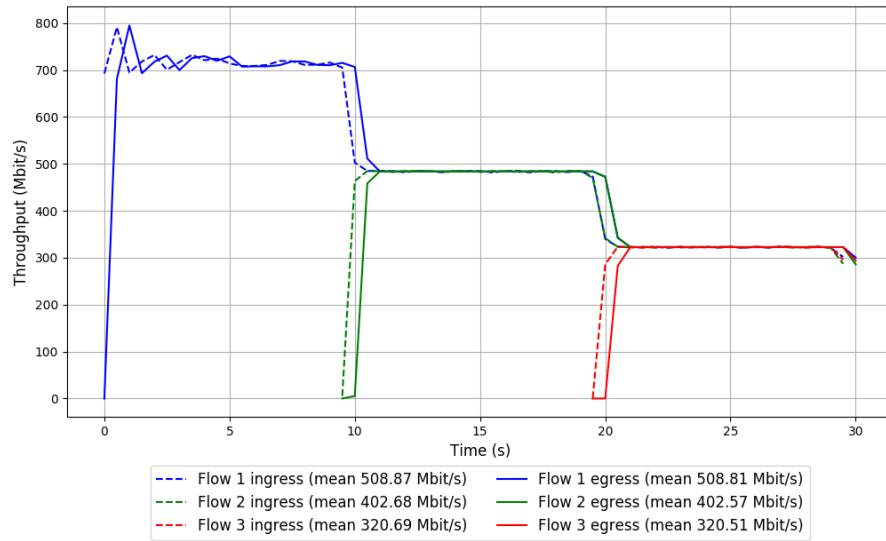


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-12 18:26:34
End at: 2019-07-12 18:27:04
Local clock offset: 7.372 ms
Remote clock offset: 3.293 ms

# Below is generated by plot.py at 2019-07-12 19:16:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 883.86 Mbit/s
95th percentile per-packet one-way delay: 9.090 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 508.81 Mbit/s
95th percentile per-packet one-way delay: 9.564 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.57 Mbit/s
95th percentile per-packet one-way delay: 7.589 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 320.51 Mbit/s
95th percentile per-packet one-way delay: 7.808 ms
Loss rate: 0.08%
```

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

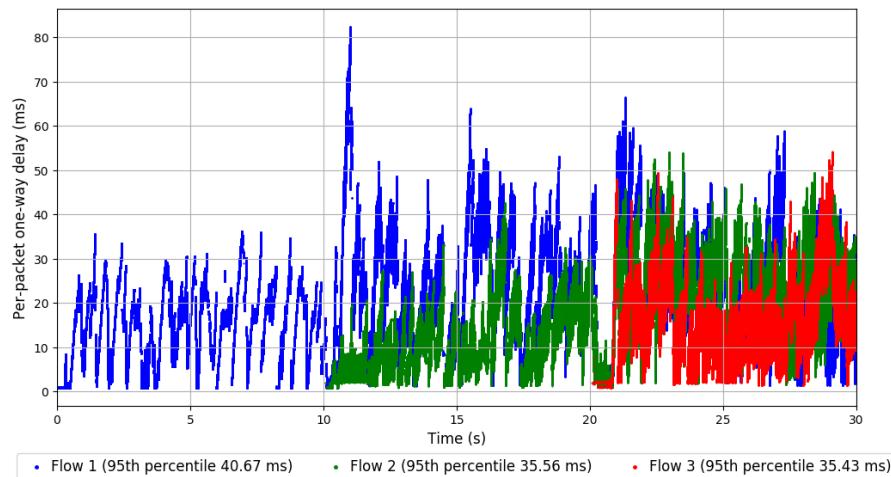
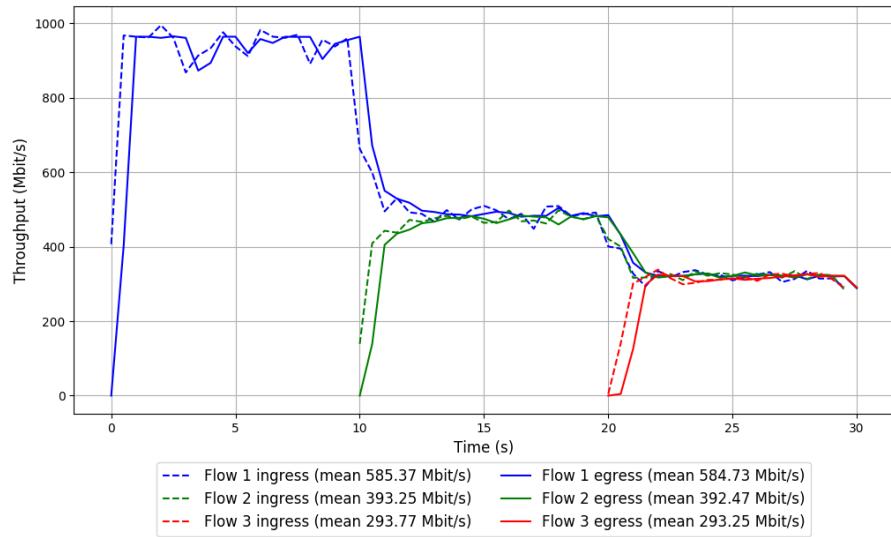


```
Run 1: Statistics of FillP

Start at: 2019-07-12 16:13:39
End at: 2019-07-12 16:14:09
Local clock offset: 6.235 ms
Remote clock offset: 3.154 ms

# Below is generated by plot.py at 2019-07-12 19:19:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 942.25 Mbit/s
95th percentile per-packet one-way delay: 38.607 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 584.73 Mbit/s
95th percentile per-packet one-way delay: 40.672 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 392.47 Mbit/s
95th percentile per-packet one-way delay: 35.563 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 293.25 Mbit/s
95th percentile per-packet one-way delay: 35.434 ms
Loss rate: 0.29%
```

## Run 1: Report of FillP — Data Link

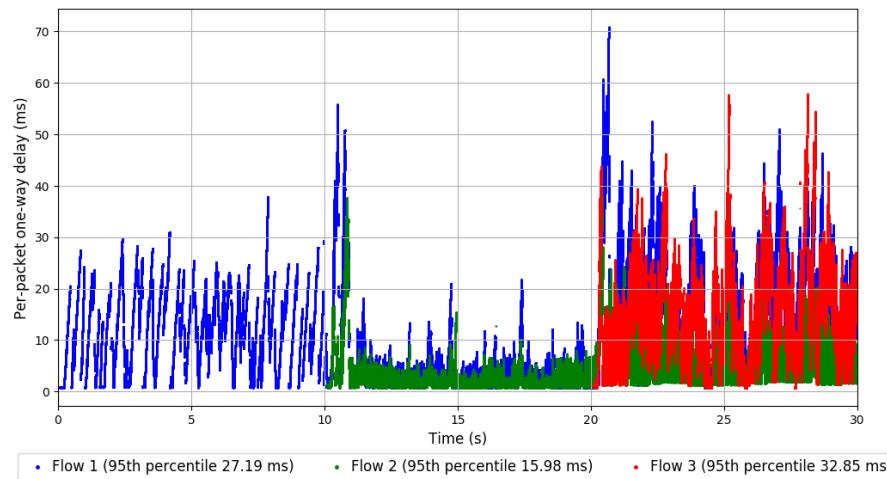
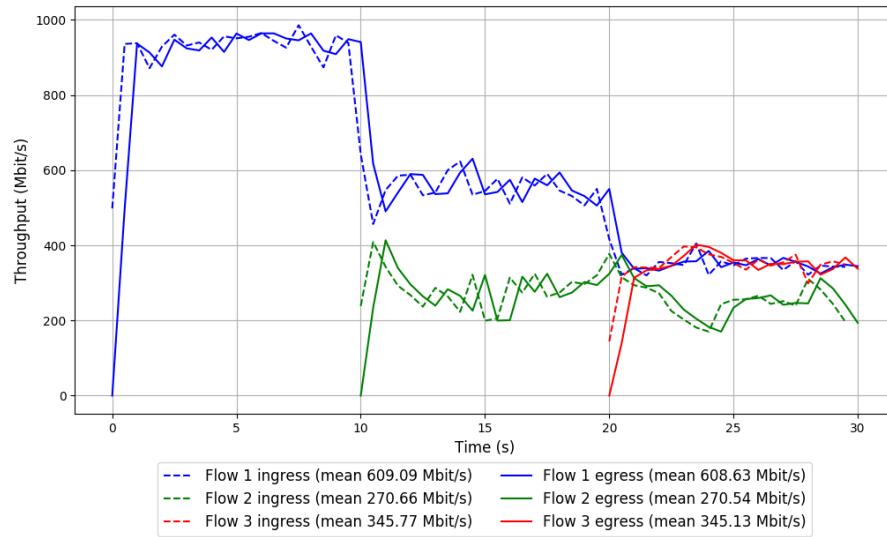


Run 2: Statistics of FillP

```
Start at: 2019-07-12 16:47:57
End at: 2019-07-12 16:48:27
Local clock offset: 6.753 ms
Remote clock offset: 3.646 ms

# Below is generated by plot.py at 2019-07-12 19:26:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 902.76 Mbit/s
95th percentile per-packet one-way delay: 27.106 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 608.63 Mbit/s
95th percentile per-packet one-way delay: 27.193 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 270.54 Mbit/s
95th percentile per-packet one-way delay: 15.980 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 345.13 Mbit/s
95th percentile per-packet one-way delay: 32.853 ms
Loss rate: 0.24%
```

## Run 2: Report of FillP — Data Link

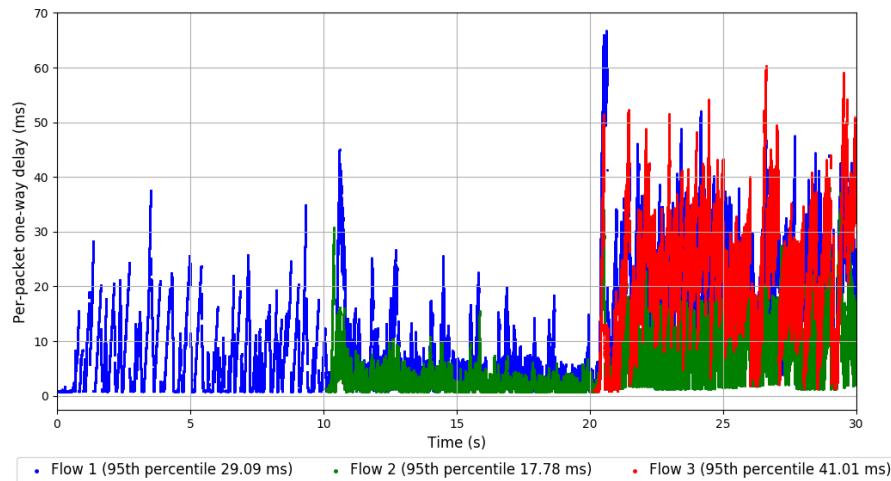
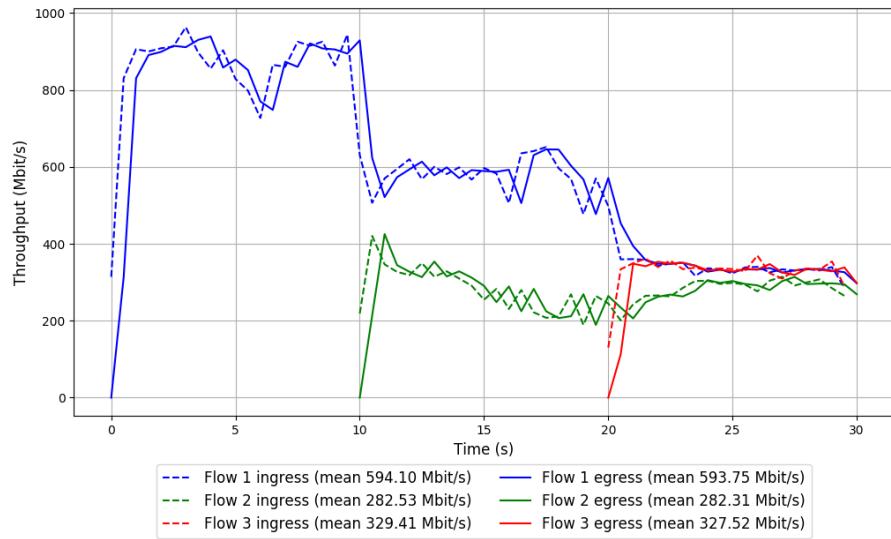


Run 3: Statistics of FillP

```
Start at: 2019-07-12 17:22:23
End at: 2019-07-12 17:22:53
Local clock offset: 6.766 ms
Remote clock offset: 3.228 ms

# Below is generated by plot.py at 2019-07-12 19:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 889.51 Mbit/s
95th percentile per-packet one-way delay: 31.106 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 593.75 Mbit/s
95th percentile per-packet one-way delay: 29.085 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 282.31 Mbit/s
95th percentile per-packet one-way delay: 17.776 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 327.52 Mbit/s
95th percentile per-packet one-way delay: 41.008 ms
Loss rate: 0.55%
```

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

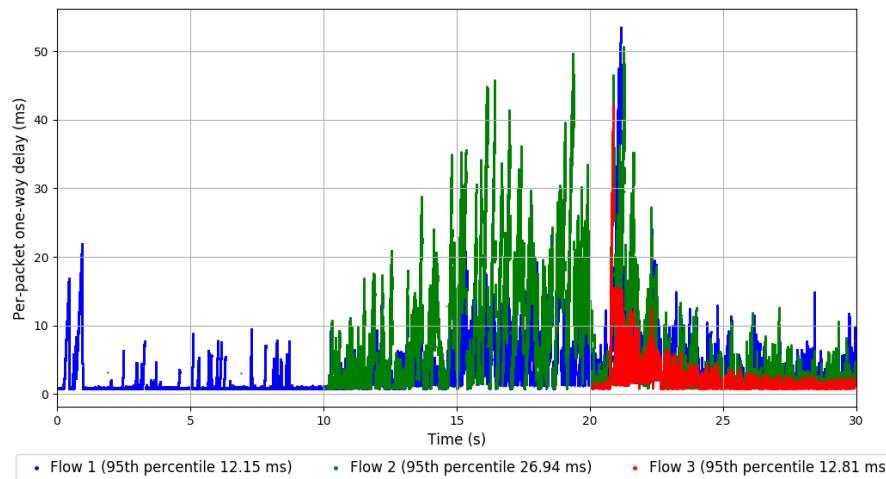
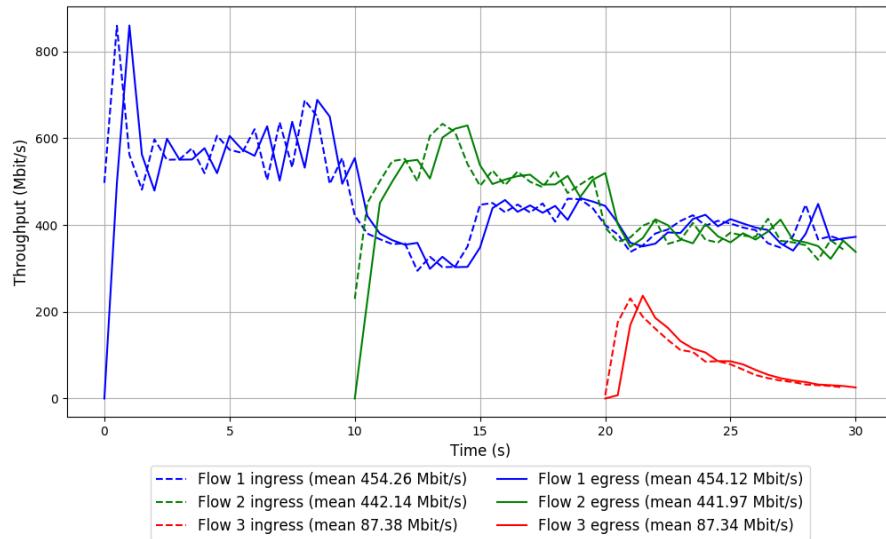


Run 4: Statistics of FillP

```
Start at: 2019-07-12 17:56:39
End at: 2019-07-12 17:57:09
Local clock offset: 6.763 ms
Remote clock offset: 3.405 ms

# Below is generated by plot.py at 2019-07-12 19:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 777.20 Mbit/s
95th percentile per-packet one-way delay: 19.965 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 454.12 Mbit/s
95th percentile per-packet one-way delay: 12.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 441.97 Mbit/s
95th percentile per-packet one-way delay: 26.939 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 12.810 ms
Loss rate: 0.01%
```

## Run 4: Report of FillP — Data Link

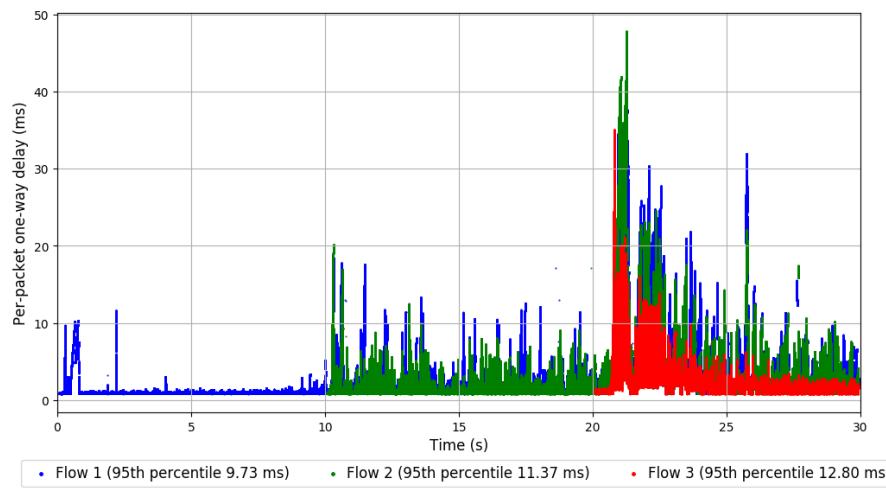
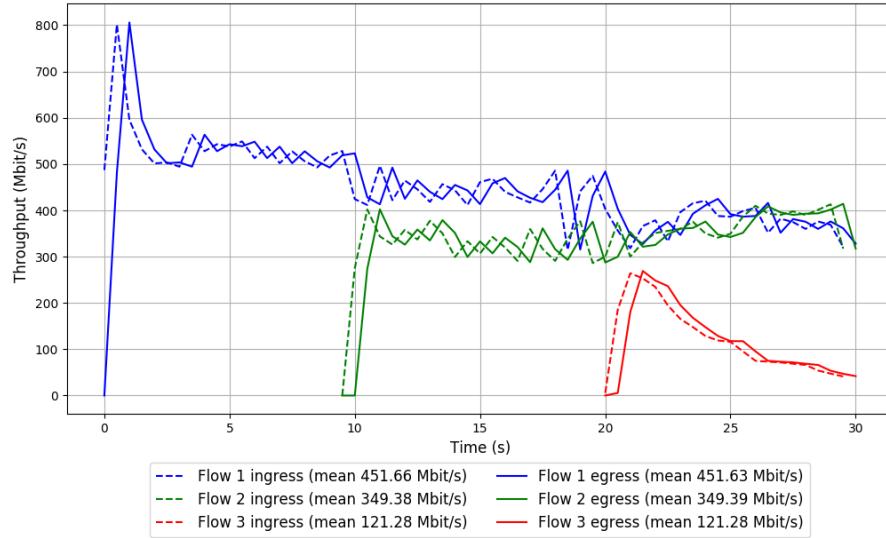


Run 5: Statistics of FillP

```
Start at: 2019-07-12 18:30:57
End at: 2019-07-12 18:31:27
Local clock offset: 7.428 ms
Remote clock offset: 3.159 ms

# Below is generated by plot.py at 2019-07-12 19:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.37 Mbit/s
95th percentile per-packet one-way delay: 10.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 451.63 Mbit/s
95th percentile per-packet one-way delay: 9.729 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 349.39 Mbit/s
95th percentile per-packet one-way delay: 11.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.28 Mbit/s
95th percentile per-packet one-way delay: 12.803 ms
Loss rate: 0.01%
```

## Run 5: Report of FillP — Data Link

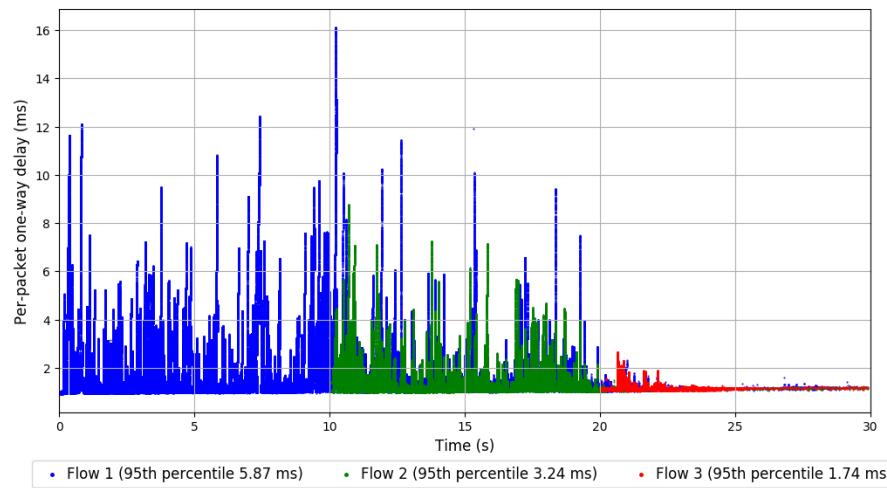
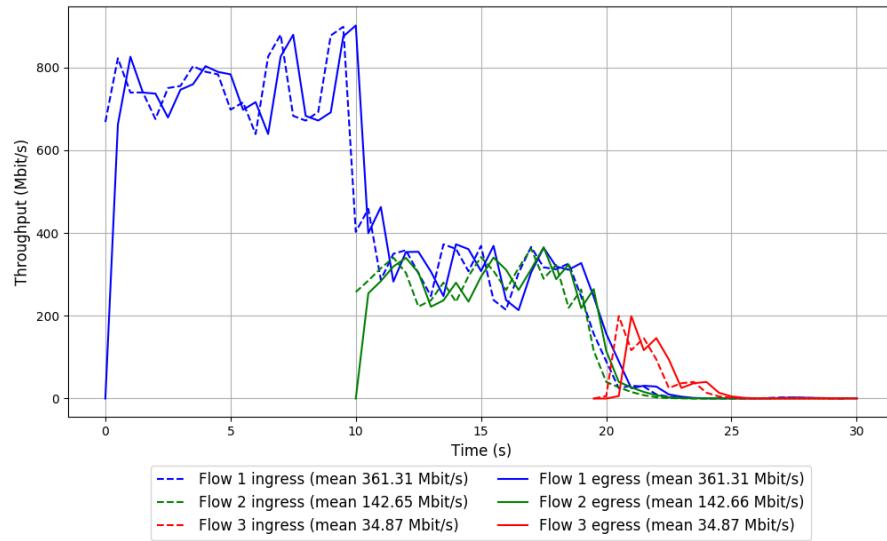


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-12 16:03:34
End at: 2019-07-12 16:04:04
Local clock offset: 6.366 ms
Remote clock offset: 0.688 ms

# Below is generated by plot.py at 2019-07-12 19:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.50 Mbit/s
95th percentile per-packet one-way delay: 5.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.31 Mbit/s
95th percentile per-packet one-way delay: 5.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.66 Mbit/s
95th percentile per-packet one-way delay: 3.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 0.00%
```

Run 1: Report of FillP-Sheep — Data Link

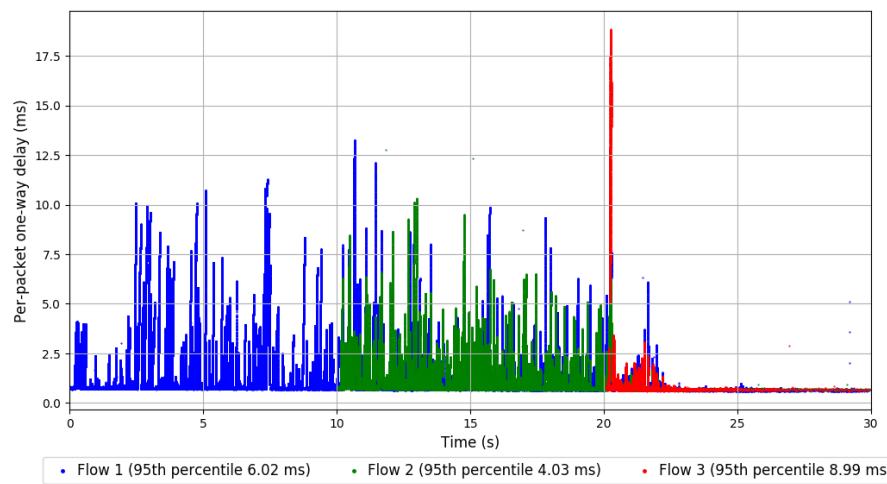
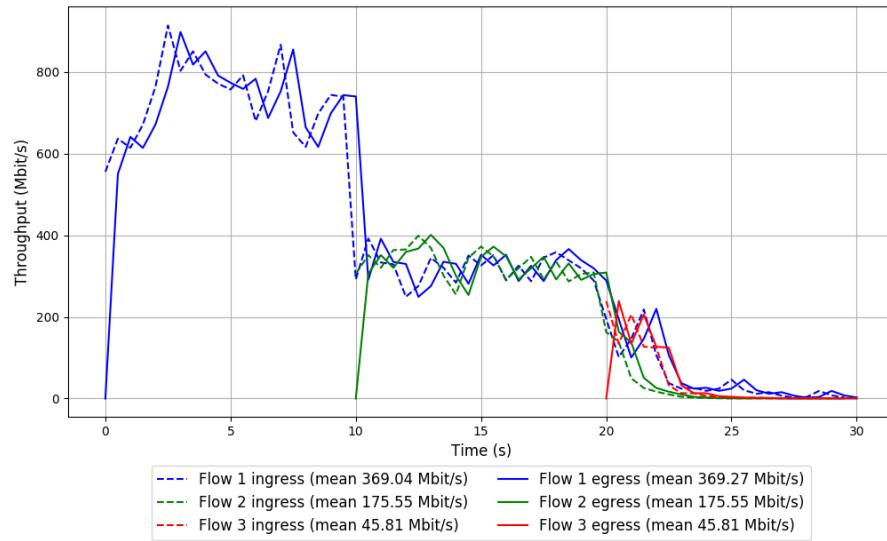


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-12 16:37:50
End at: 2019-07-12 16:38:20
Local clock offset: 6.581 ms
Remote clock offset: 4.979 ms

# Below is generated by plot.py at 2019-07-12 19:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.14 Mbit/s
95th percentile per-packet one-way delay: 5.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 369.27 Mbit/s
95th percentile per-packet one-way delay: 6.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.55 Mbit/s
95th percentile per-packet one-way delay: 4.027 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 8.989 ms
Loss rate: 0.00%
```

Run 2: Report of FillP-Sheep — Data Link

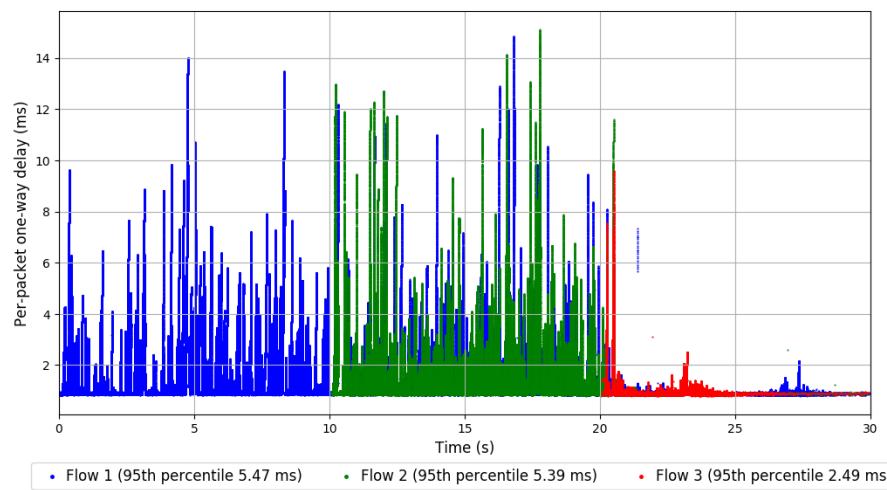
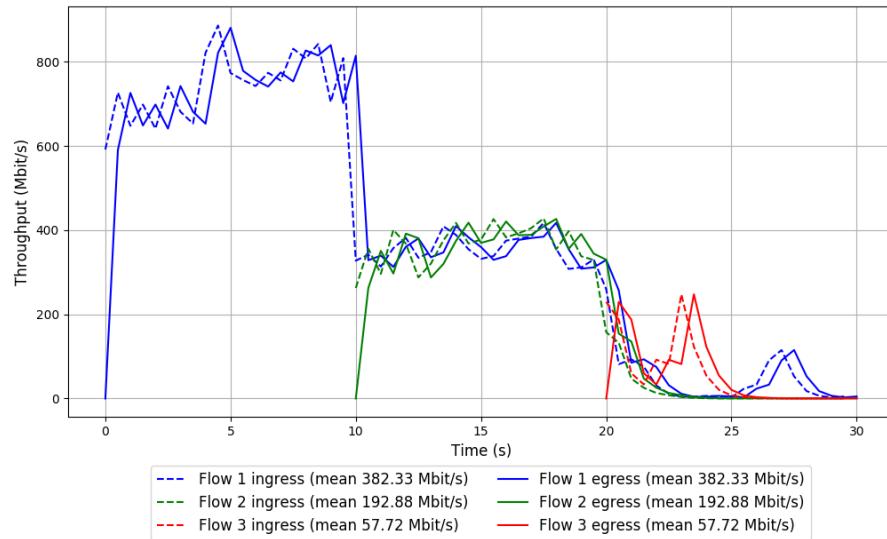


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-12 17:12:11
End at: 2019-07-12 17:12:41
Local clock offset: 6.744 ms
Remote clock offset: 3.276 ms

# Below is generated by plot.py at 2019-07-12 19:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.62 Mbit/s
95th percentile per-packet one-way delay: 5.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 382.33 Mbit/s
95th percentile per-packet one-way delay: 5.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.88 Mbit/s
95th percentile per-packet one-way delay: 5.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 2.491 ms
Loss rate: 0.00%
```

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

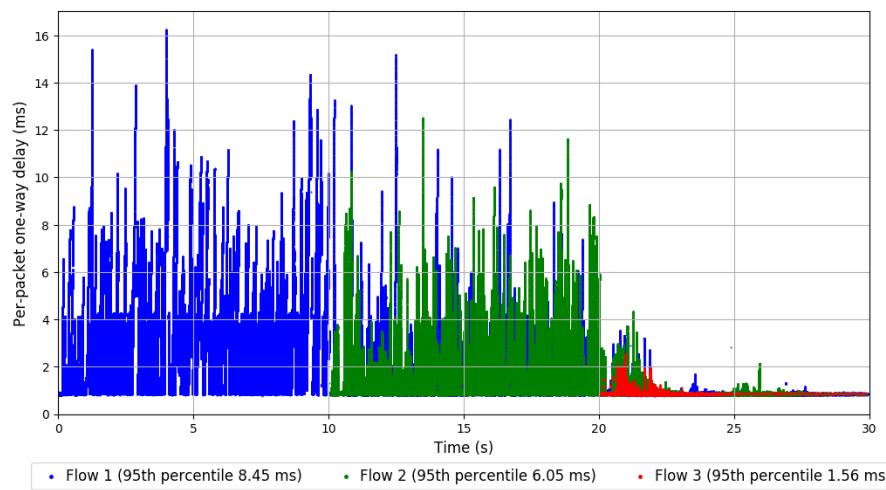
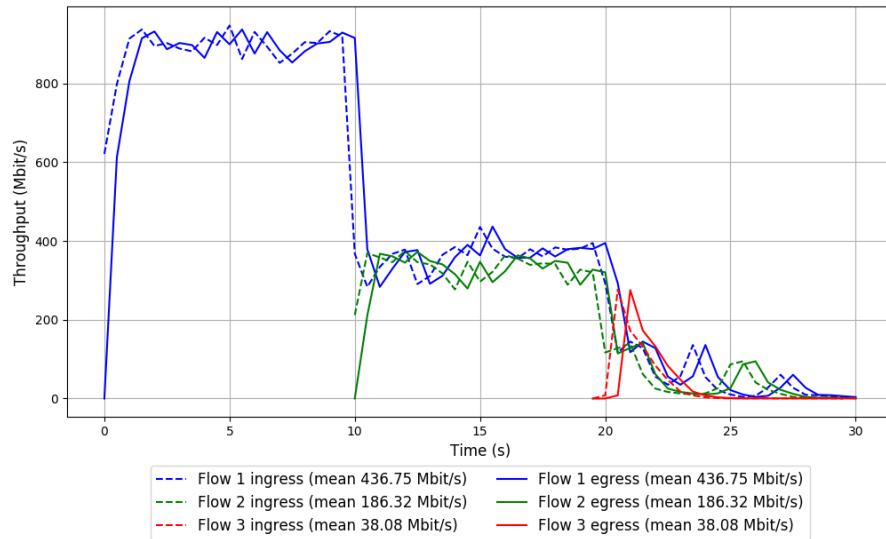


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-12 17:46:26
End at: 2019-07-12 17:46:56
Local clock offset: 6.792 ms
Remote clock offset: 3.385 ms

# Below is generated by plot.py at 2019-07-12 19:29:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 573.10 Mbit/s
95th percentile per-packet one-way delay: 7.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 436.75 Mbit/s
95th percentile per-packet one-way delay: 8.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.32 Mbit/s
95th percentile per-packet one-way delay: 6.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.00%
```

Run 4: Report of FillP-Sheep — Data Link

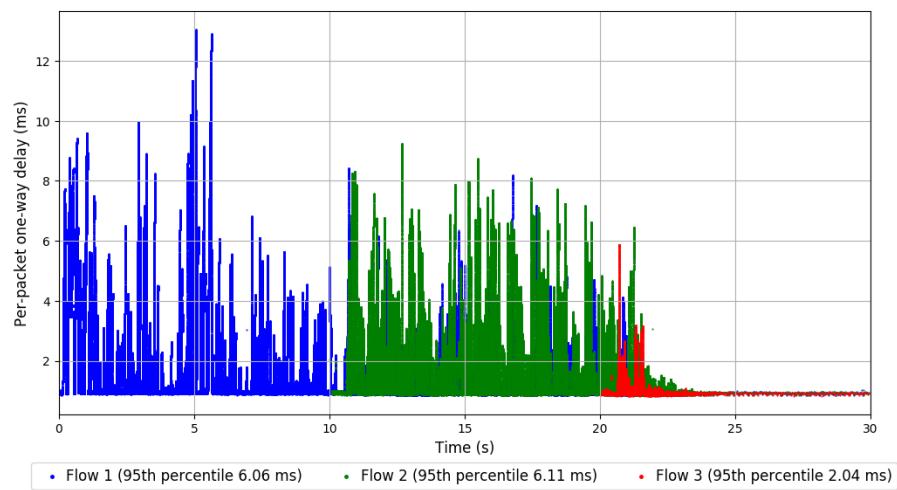
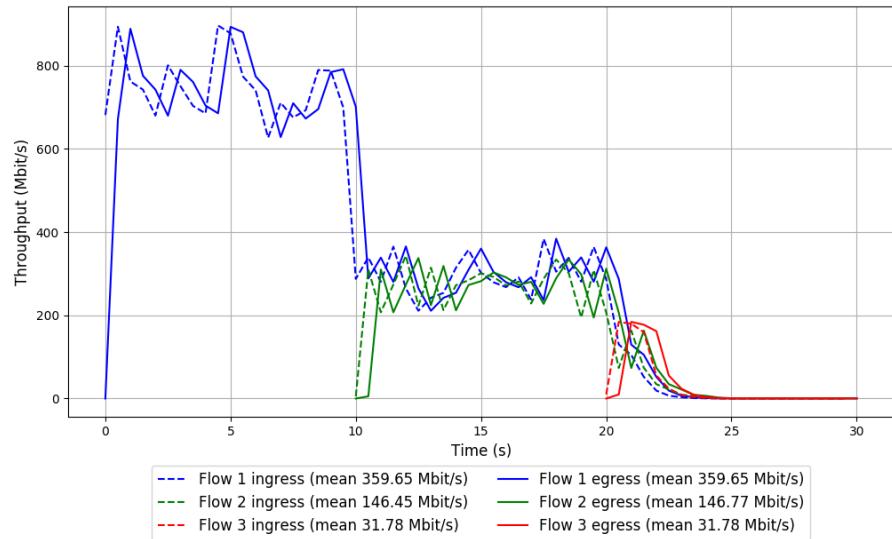


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-12 18:20:51
End at: 2019-07-12 18:21:21
Local clock offset: 7.313 ms
Remote clock offset: 3.447 ms

# Below is generated by plot.py at 2019-07-12 19:30:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.72 Mbit/s
95th percentile per-packet one-way delay: 6.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 359.65 Mbit/s
95th percentile per-packet one-way delay: 6.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.77 Mbit/s
95th percentile per-packet one-way delay: 6.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 2.037 ms
Loss rate: 0.00%
```

Run 5: Report of FillP-Sheep — Data Link

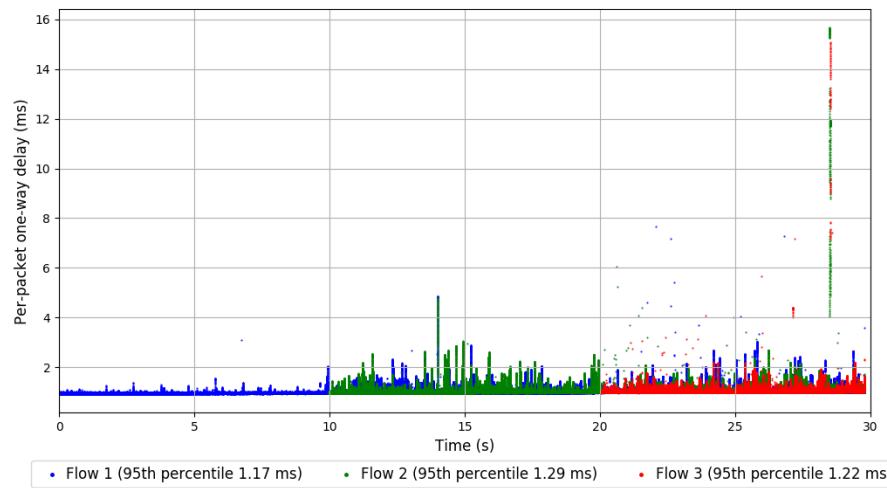
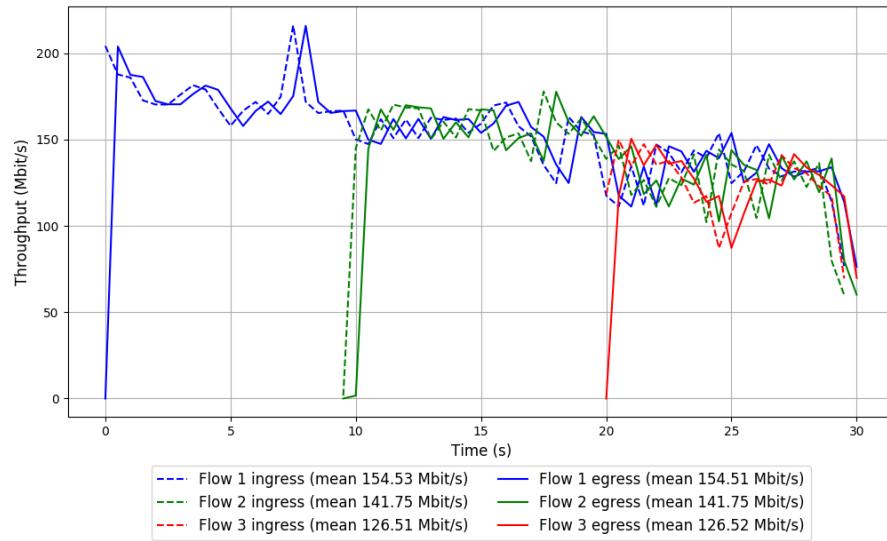


Run 1: Statistics of Indigo

```
Start at: 2019-07-12 16:15:20
End at: 2019-07-12 16:15:50
Local clock offset: 6.233 ms
Remote clock offset: 3.388 ms

# Below is generated by plot.py at 2019-07-12 19:30:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.23 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 154.51 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.75 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.52 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

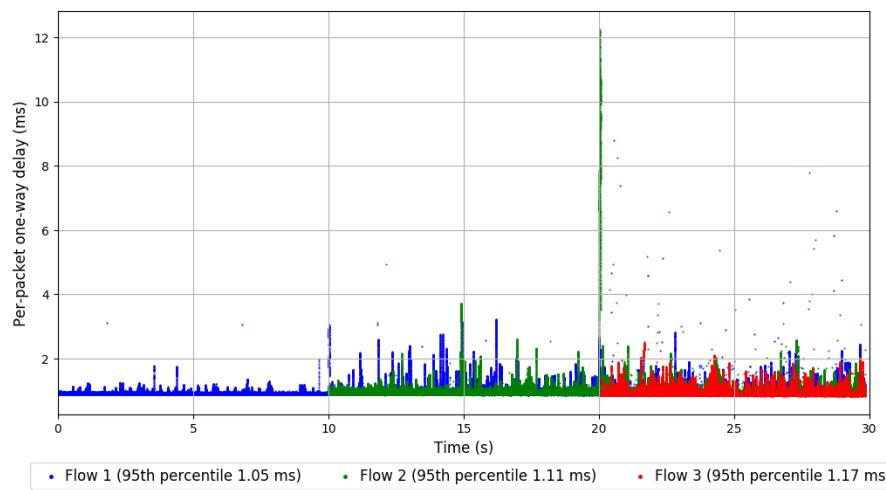
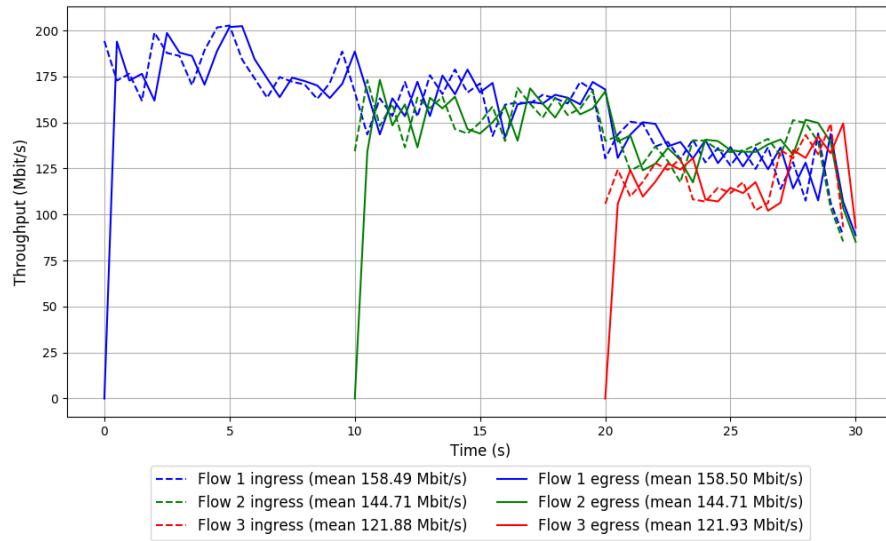


Run 2: Statistics of Indigo

```
Start at: 2019-07-12 16:49:37
End at: 2019-07-12 16:50:07
Local clock offset: 6.791 ms
Remote clock offset: 3.531 ms

# Below is generated by plot.py at 2019-07-12 19:30:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.72 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.50 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.71 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 121.93 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.01%
```

## Run 2: Report of Indigo — Data Link

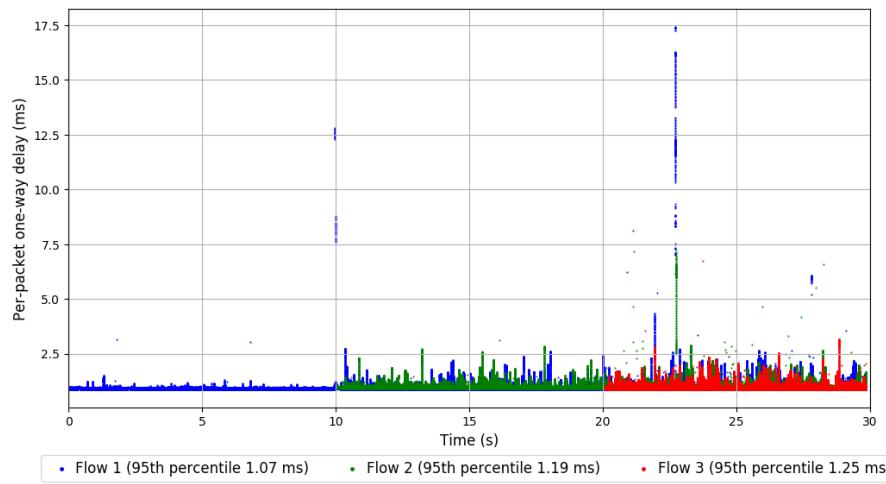
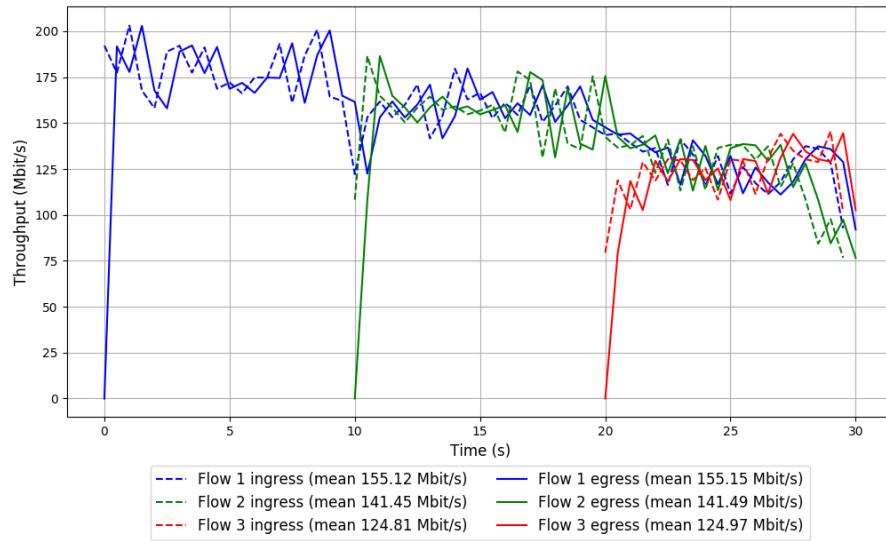


Run 3: Statistics of Indigo

```
Start at: 2019-07-12 17:24:02
End at: 2019-07-12 17:24:32
Local clock offset: 6.769 ms
Remote clock offset: 3.188 ms

# Below is generated by plot.py at 2019-07-12 19:30:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.04 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 155.15 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.49 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 124.97 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.00%
```

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

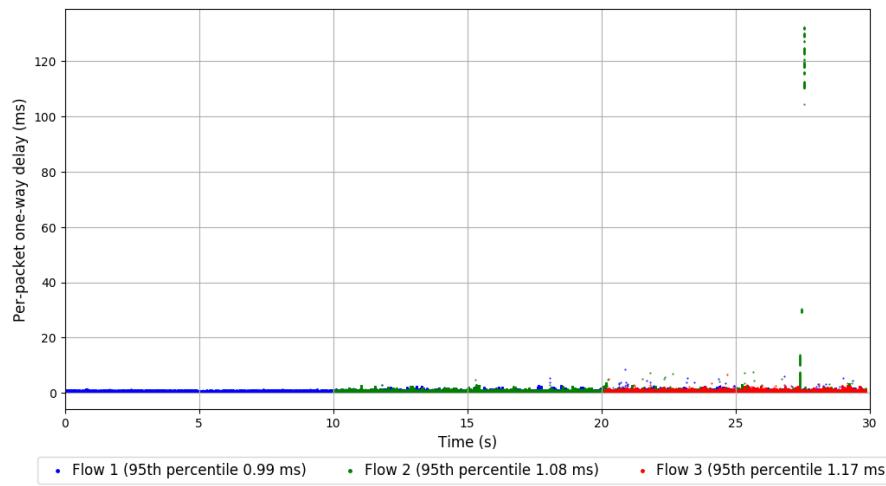
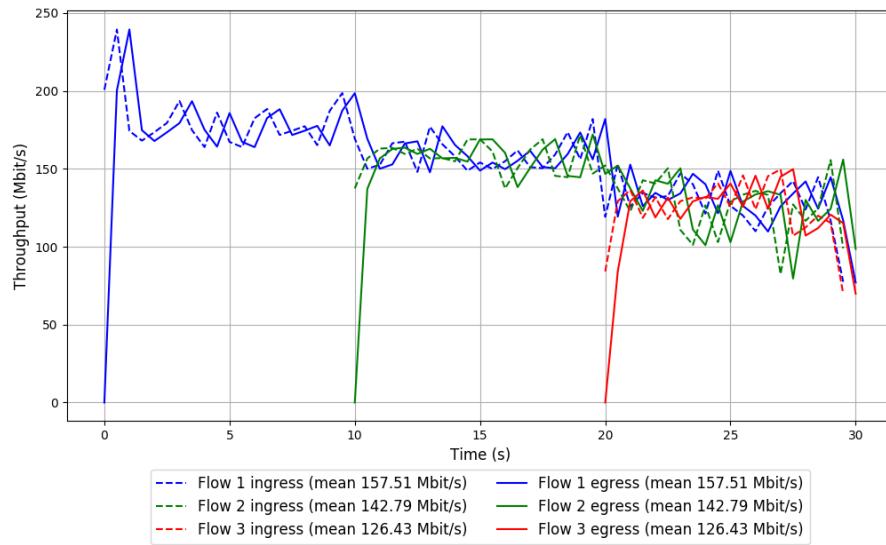


Run 4: Statistics of Indigo

```
Start at: 2019-07-12 17:58:15
End at: 2019-07-12 17:58:45
Local clock offset: 6.765 ms
Remote clock offset: 3.466 ms

# Below is generated by plot.py at 2019-07-12 19:30:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.66 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 157.51 Mbit/s
95th percentile per-packet one-way delay: 0.988 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 142.79 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 126.43 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.01%
```

## Run 4: Report of Indigo — Data Link

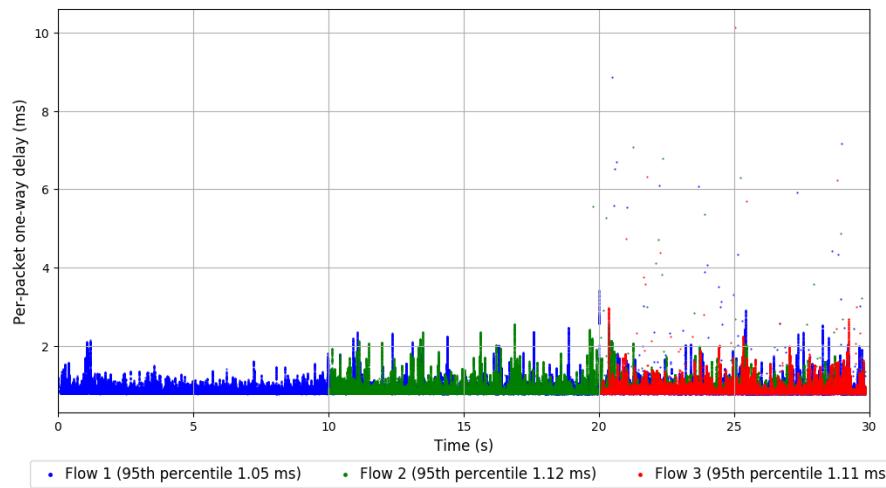
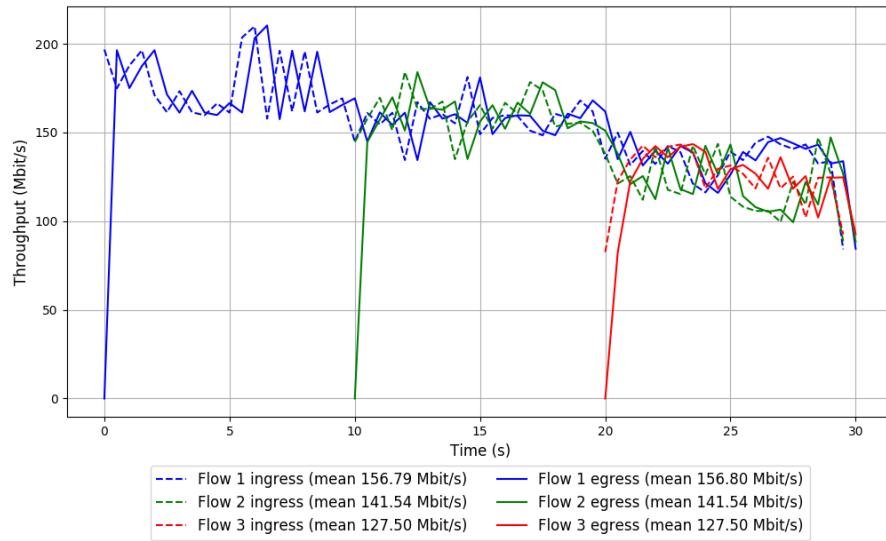


Run 5: Statistics of Indigo

```
Start at: 2019-07-12 18:32:32
End at: 2019-07-12 18:33:02
Local clock offset: 7.491 ms
Remote clock offset: 3.243 ms

# Below is generated by plot.py at 2019-07-12 19:30:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.57 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.80 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.54 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 127.50 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

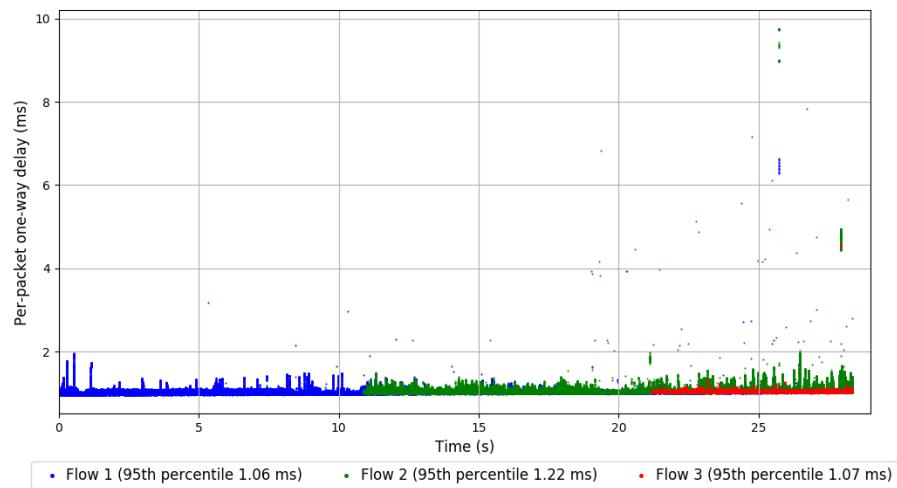
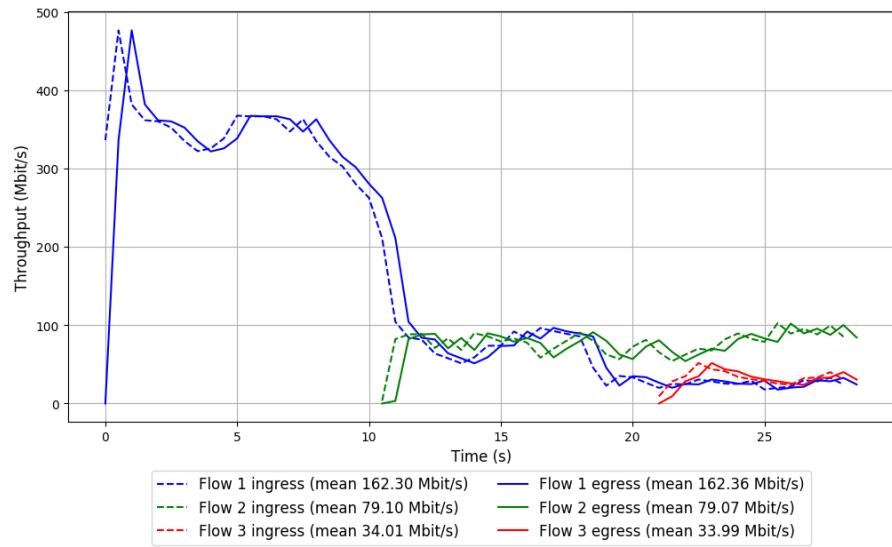


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 16:24:55
End at: 2019-07-12 16:25:25
Local clock offset: 6.239 ms
Remote clock offset: 4.535 ms

# Below is generated by plot.py at 2019-07-12 19:30:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.65 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 162.36 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.05%
```

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

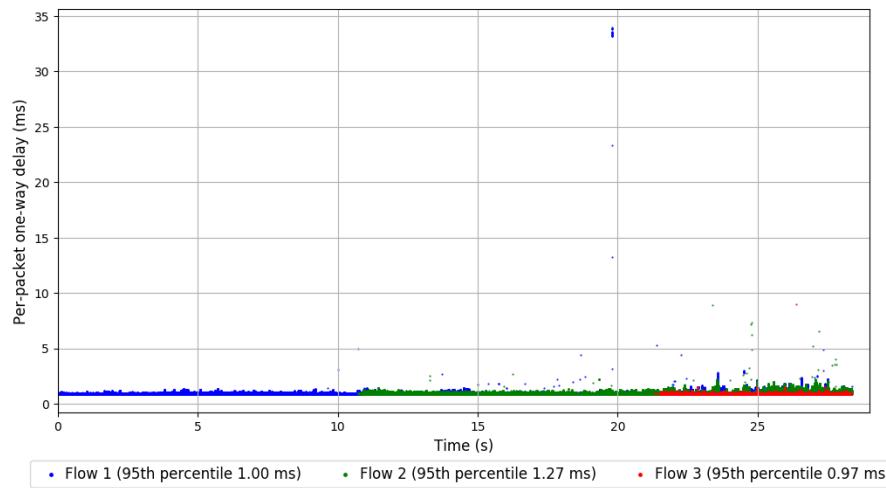
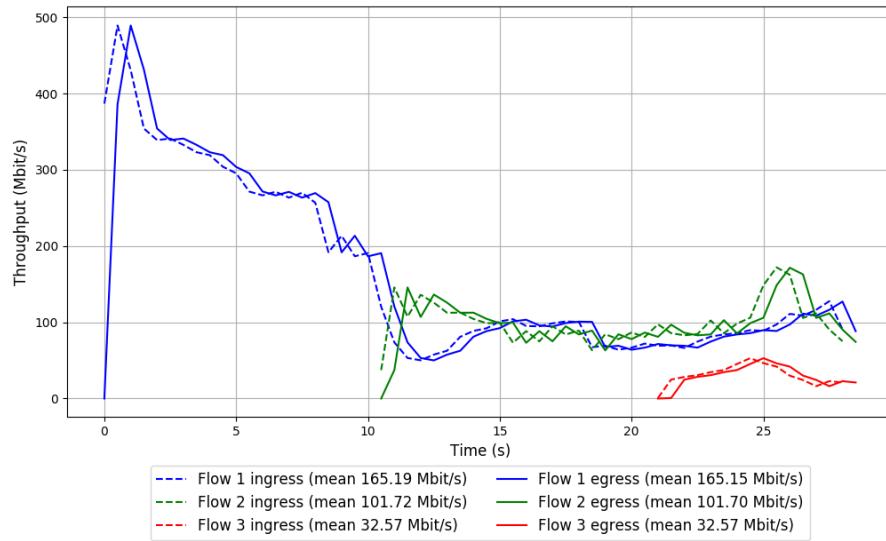


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 16:59:23
End at: 2019-07-12 16:59:53
Local clock offset: 6.888 ms
Remote clock offset: 3.296 ms

# Below is generated by plot.py at 2019-07-12 19:30:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.41 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 165.15 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 101.70 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
```

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

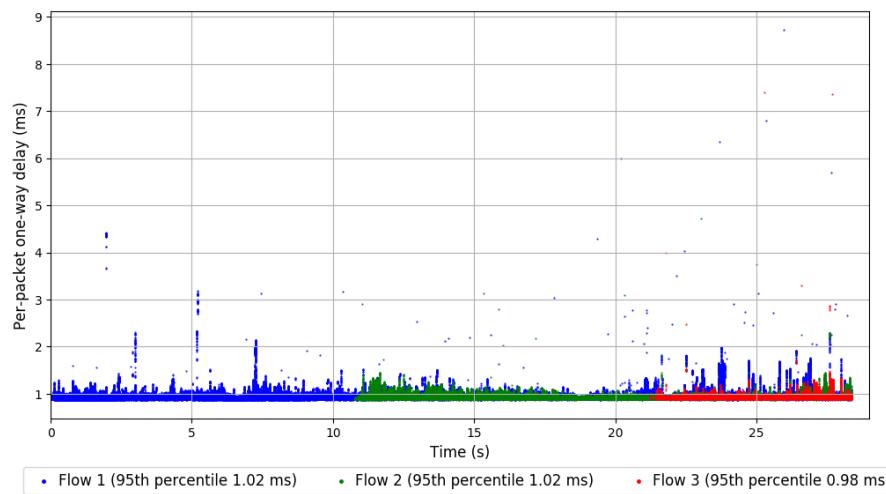
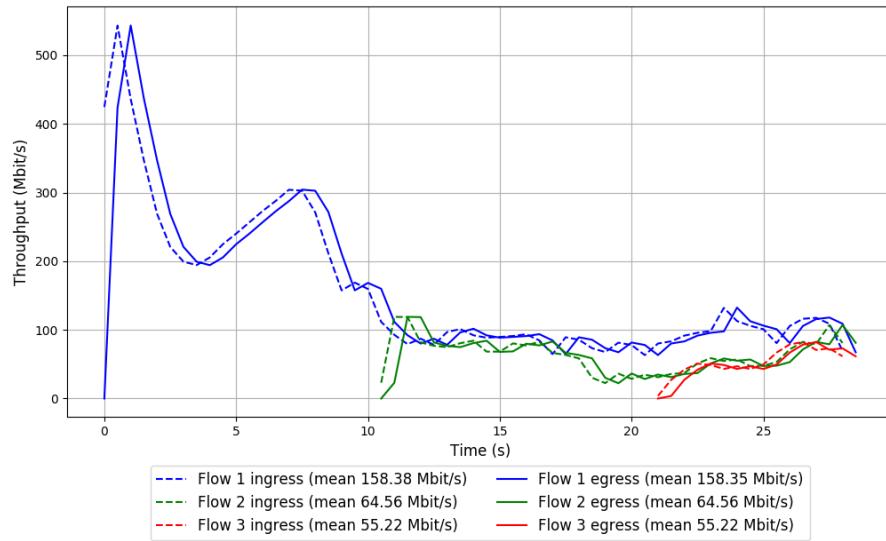


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 17:33:42
End at: 2019-07-12 17:34:12
Local clock offset: 6.794 ms
Remote clock offset: 3.27 ms

# Below is generated by plot.py at 2019-07-12 19:30:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.29 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 158.35 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC3 — Data Link

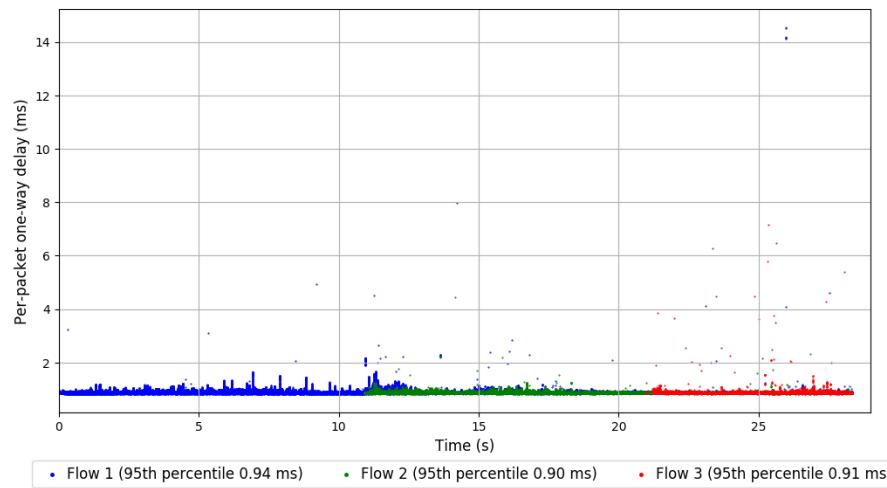
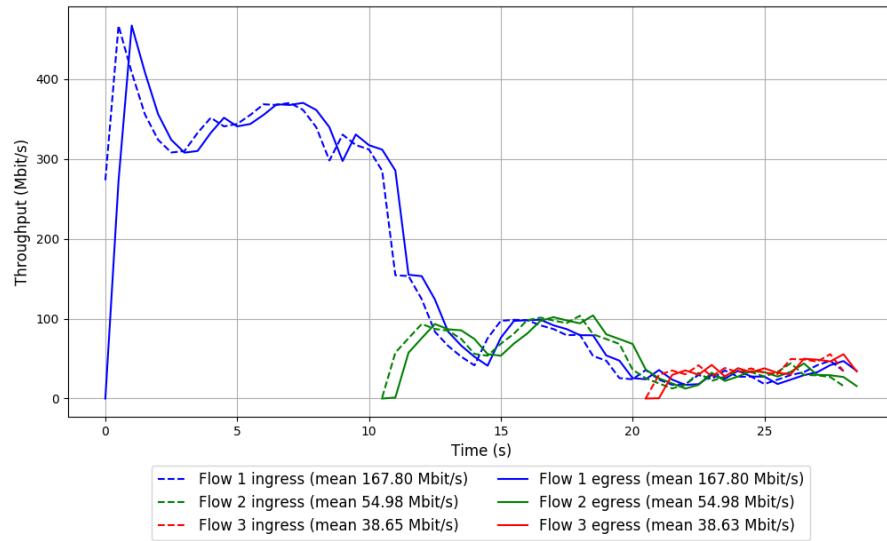


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 18:07:55
End at: 2019-07-12 18:08:25
Local clock offset: 7.125 ms
Remote clock offset: 3.577 ms

# Below is generated by plot.py at 2019-07-12 19:31:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.67 Mbit/s
95th percentile per-packet one-way delay: 0.931 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 167.80 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 0.913 ms
Loss rate: 0.07%
```

Run 4: Report of Indigo-MusesC3 — Data Link

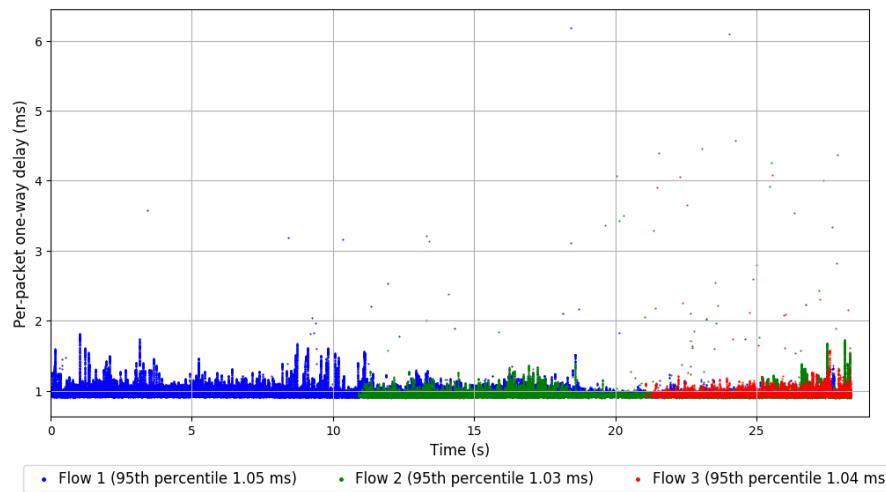
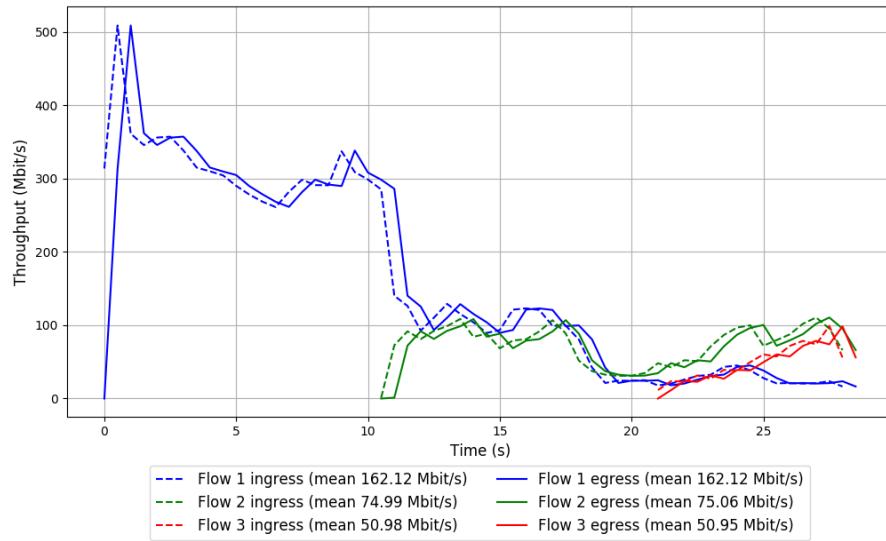


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 18:42:09
End at: 2019-07-12 18:42:39
Local clock offset: 7.677 ms
Remote clock offset: 3.118 ms

# Below is generated by plot.py at 2019-07-12 19:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.29 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.12 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-MusesC3 — Data Link

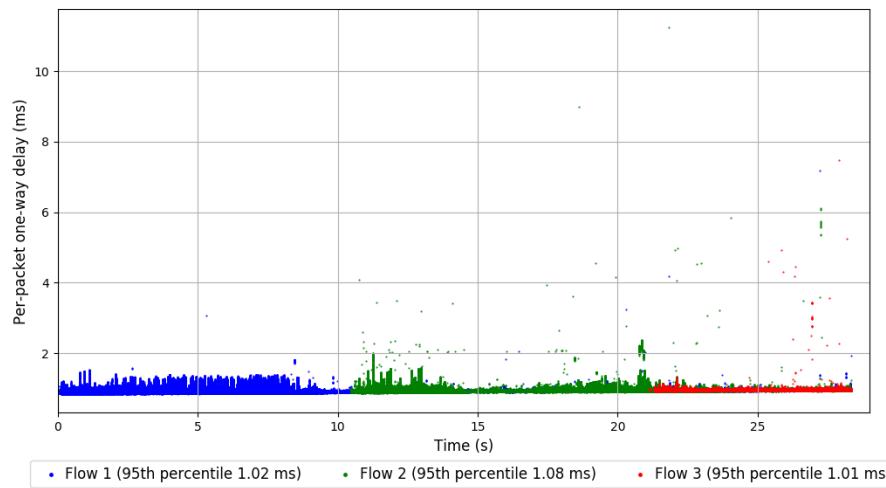
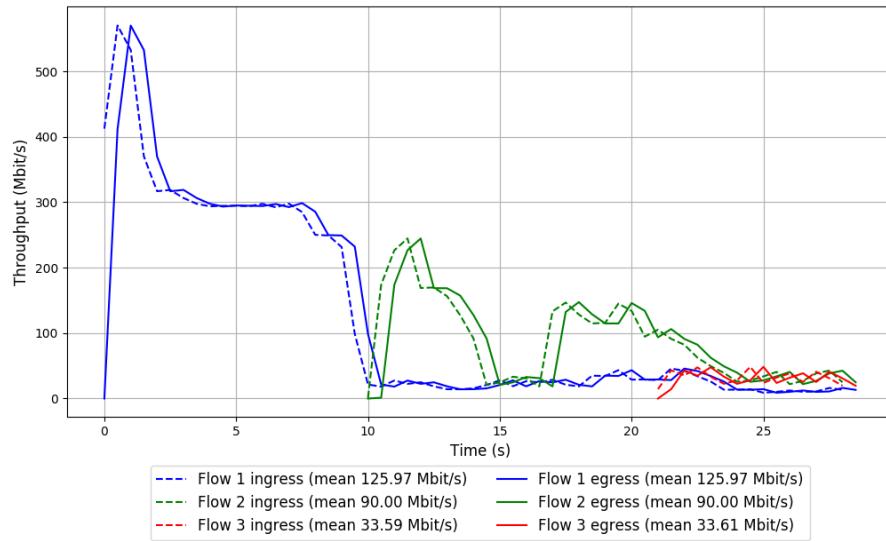


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 16:12:18
End at: 2019-07-12 16:12:48
Local clock offset: 6.246 ms
Remote clock offset: 2.972 ms

# Below is generated by plot.py at 2019-07-12 19:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.20 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.97 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.05%
```

Run 1: Report of Indigo-MusesC5 — Data Link

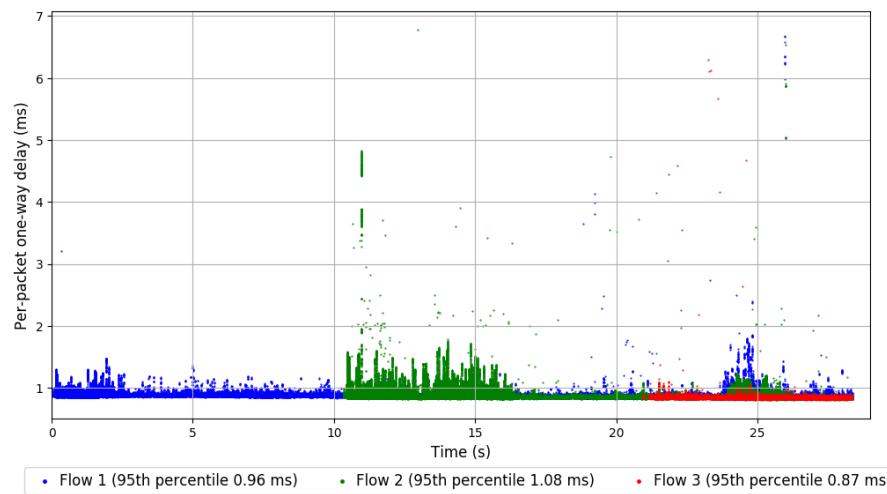
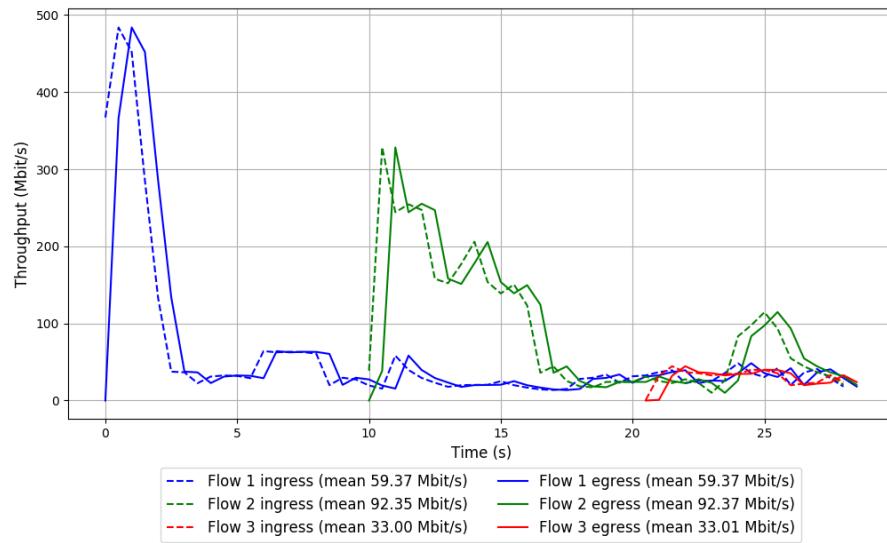


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 16:46:39
End at: 2019-07-12 16:47:09
Local clock offset: 6.722 ms
Remote clock offset: 3.705 ms

# Below is generated by plot.py at 2019-07-12 19:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.68 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 0.871 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-MusesC5 — Data Link

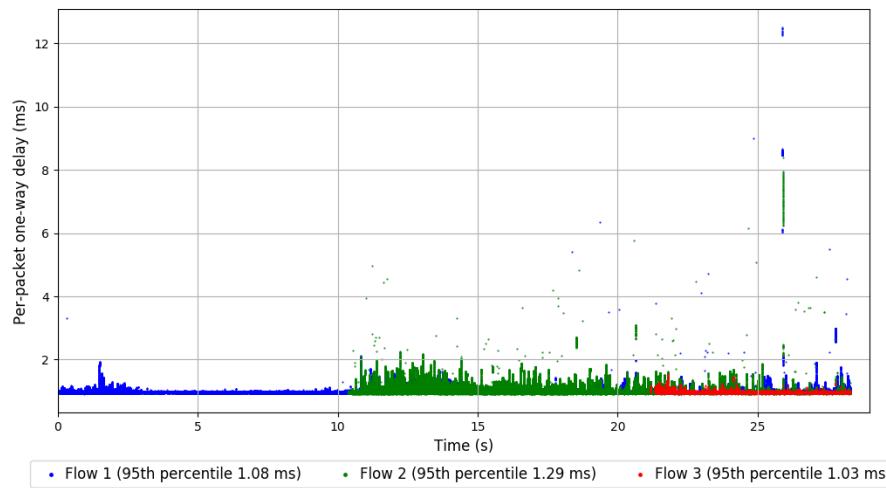
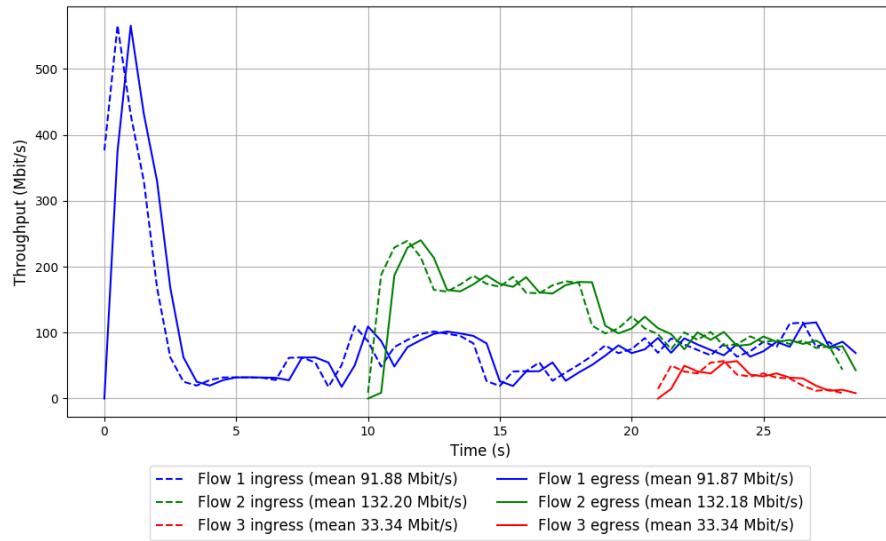


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 17:21:02
End at: 2019-07-12 17:21:32
Local clock offset: 6.76 ms
Remote clock offset: 3.158 ms

# Below is generated by plot.py at 2019-07-12 19:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 184.10 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 132.18 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

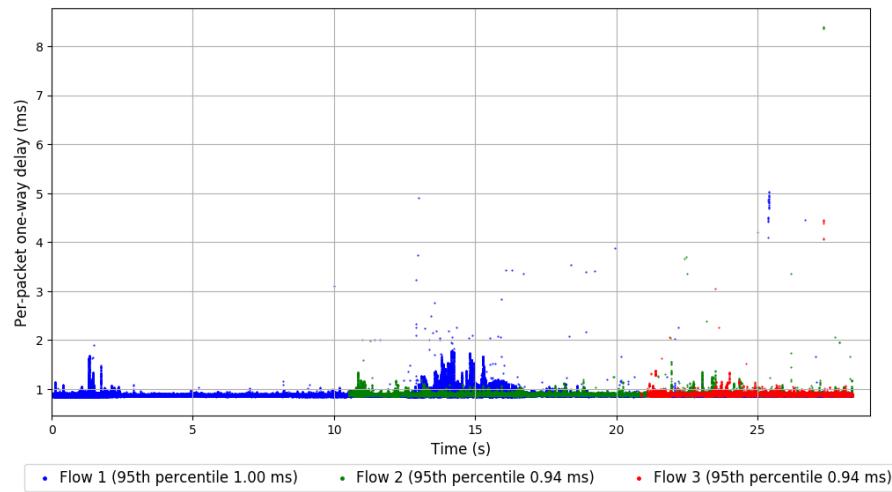
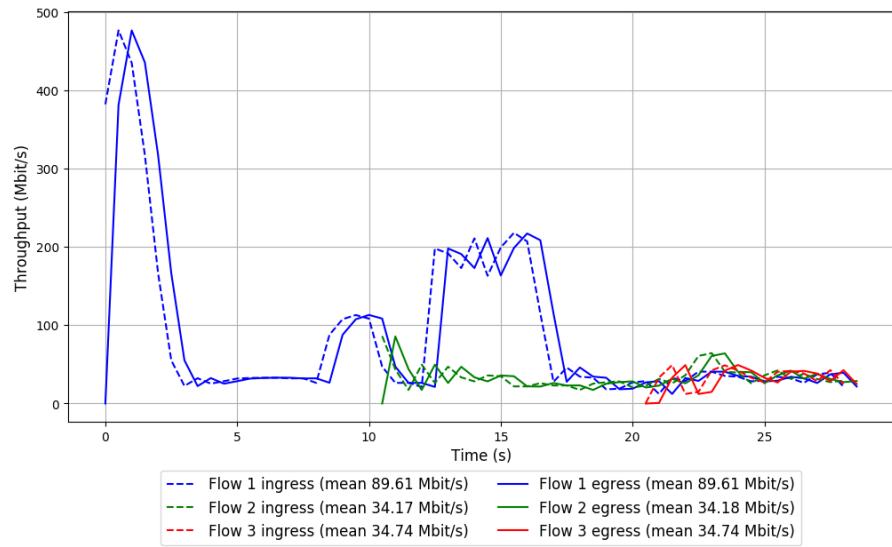


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 17:55:20
End at: 2019-07-12 17:55:50
Local clock offset: 6.793 ms
Remote clock offset: 3.408 ms

# Below is generated by plot.py at 2019-07-12 19:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.26 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC5 — Data Link

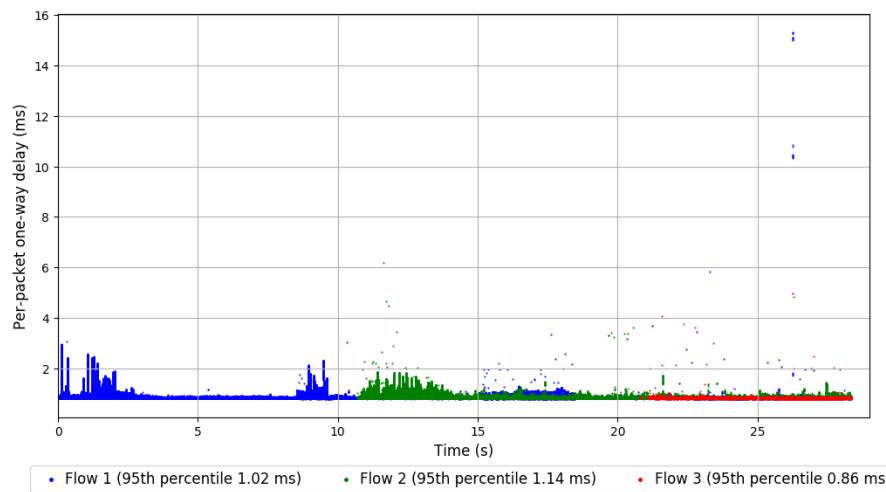
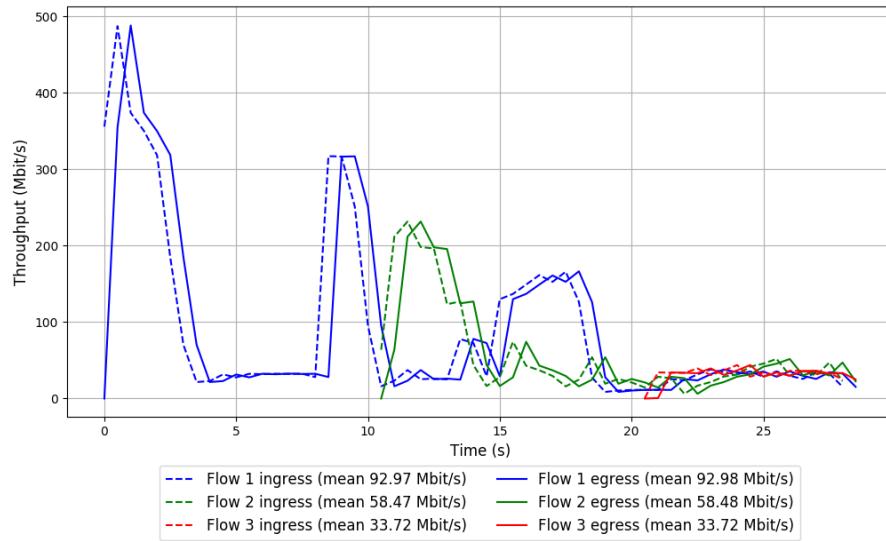


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 18:29:38
End at: 2019-07-12 18:30:08
Local clock offset: 7.416 ms
Remote clock offset: 3.25 ms

# Below is generated by plot.py at 2019-07-12 19:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 138.35 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 0.861 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC5 — Data Link

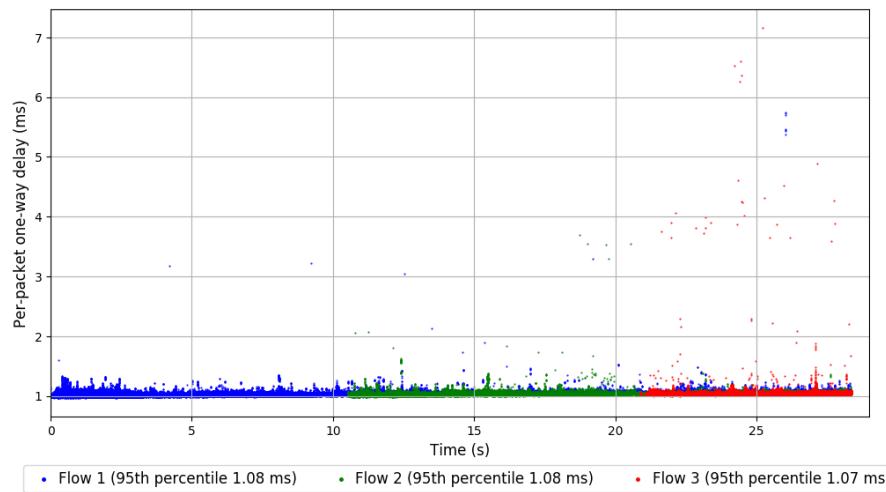
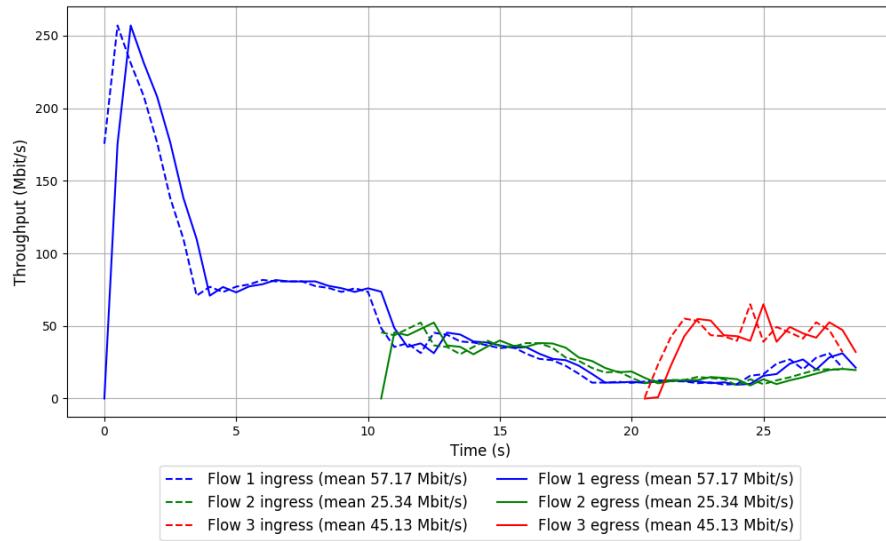


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 16:16:47
End at: 2019-07-12 16:17:17
Local clock offset: 6.245 ms
Remote clock offset: 3.601 ms

# Below is generated by plot.py at 2019-07-12 19:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
```

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

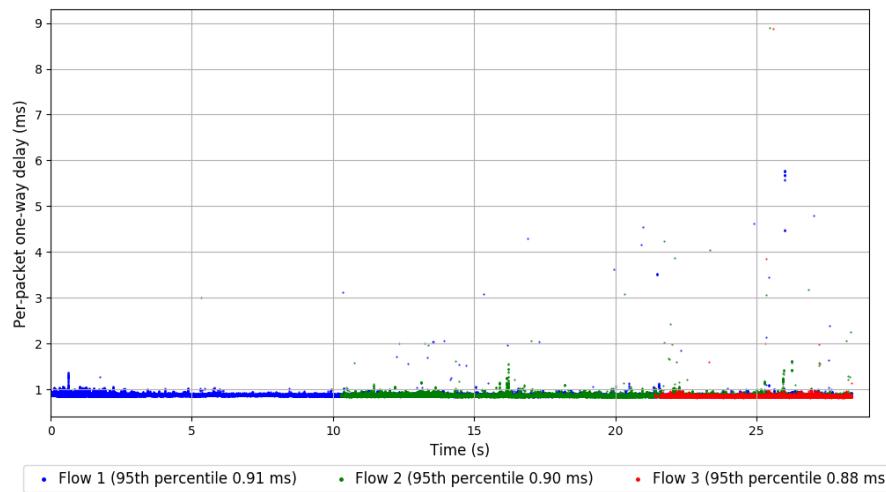
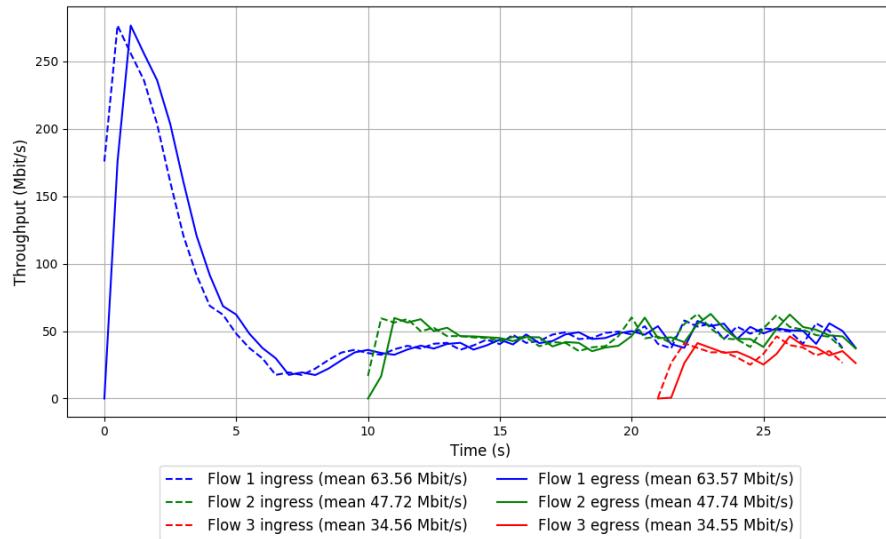


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 16:51:05
End at: 2019-07-12 16:51:35
Local clock offset: 6.825 ms
Remote clock offset: 3.519 ms

# Below is generated by plot.py at 2019-07-12 19:32:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 102.48 Mbit/s
95th percentile per-packet one-way delay: 0.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 0.910 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 0.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.55 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.04%
```

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

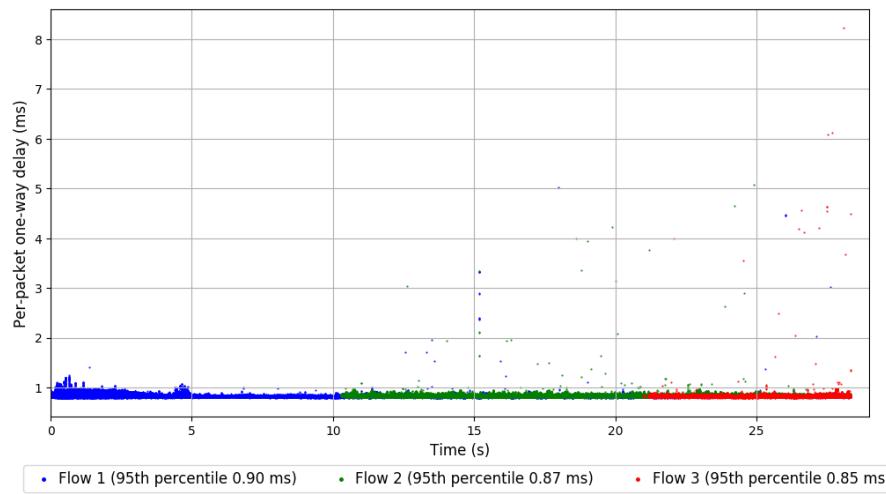
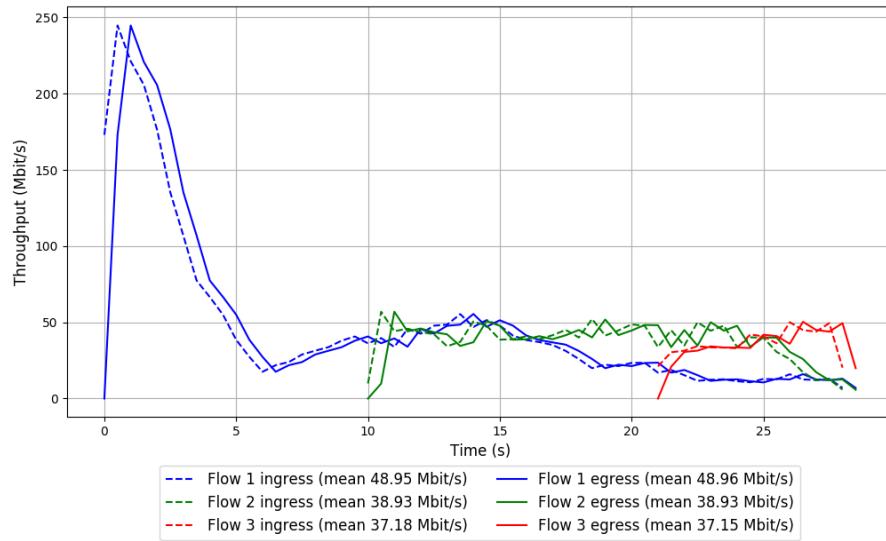


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 17:25:29
End at: 2019-07-12 17:25:59
Local clock offset: 6.781 ms
Remote clock offset: 3.289 ms

# Below is generated by plot.py at 2019-07-12 19:32:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 0.884 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 0.866 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 0.854 ms
Loss rate: 0.07%
```

Run 3: Report of Indigo-MusesD — Data Link

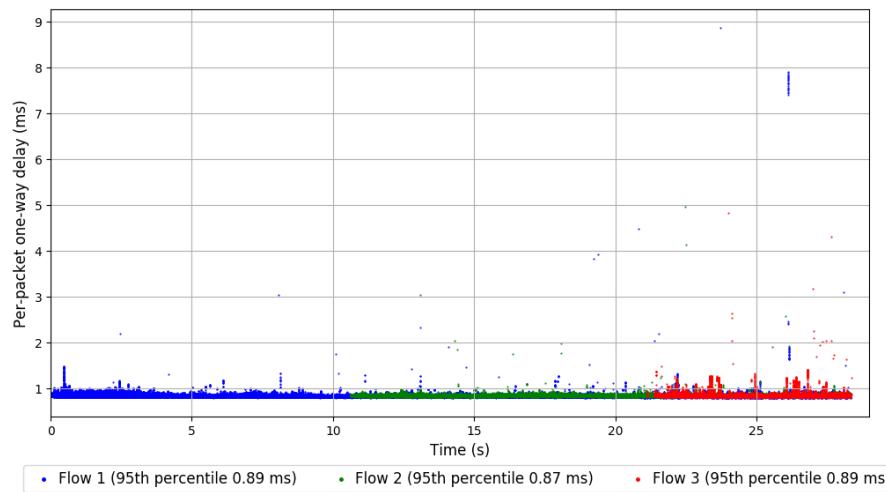
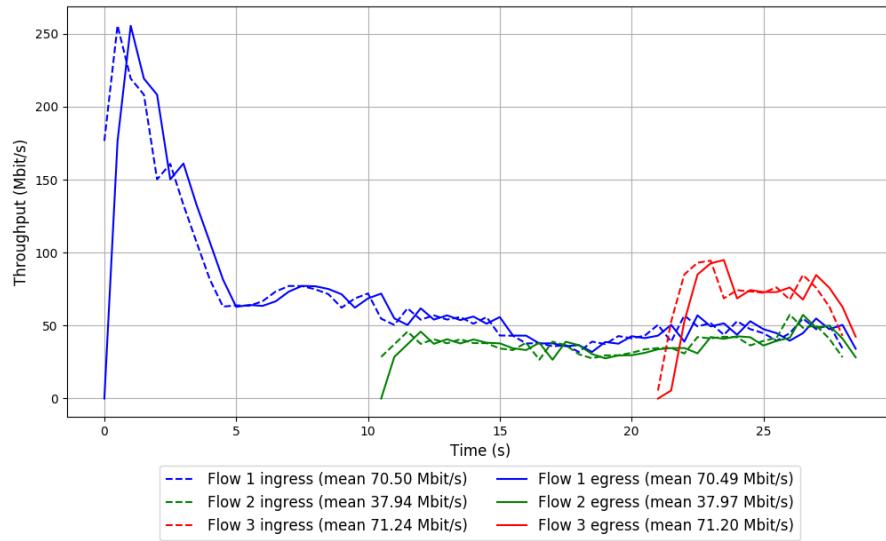


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 17:59:42
End at: 2019-07-12 18:00:12
Local clock offset: 6.79 ms
Remote clock offset: 3.431 ms

# Below is generated by plot.py at 2019-07-12 19:32:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.35 Mbit/s
95th percentile per-packet one-way delay: 0.885 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.49 Mbit/s
95th percentile per-packet one-way delay: 0.889 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 0.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 0.894 ms
Loss rate: 0.07%
```

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

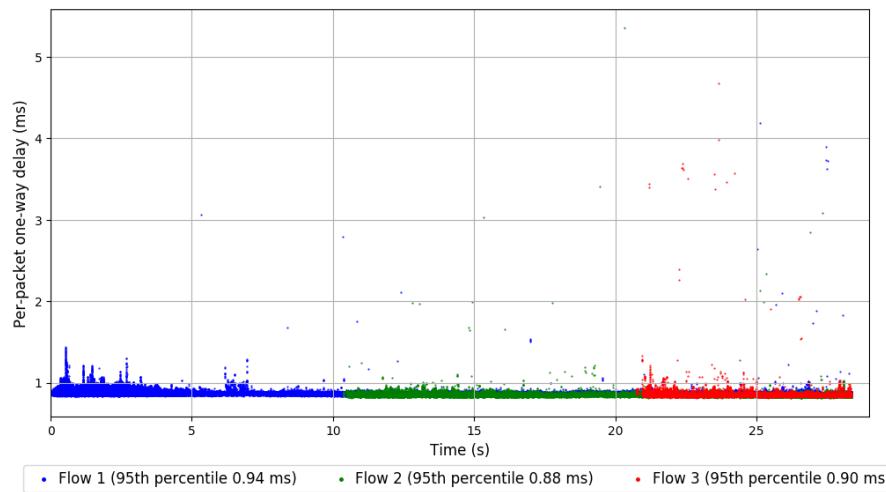
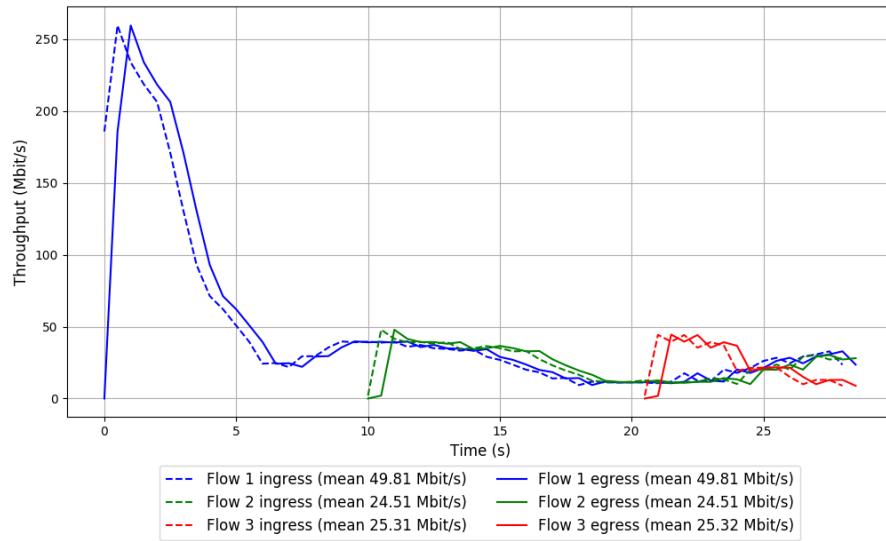


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 18:34:00
End at: 2019-07-12 18:34:30
Local clock offset: 7.563 ms
Remote clock offset: 3.233 ms

# Below is generated by plot.py at 2019-07-12 19:32:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.01%
```

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

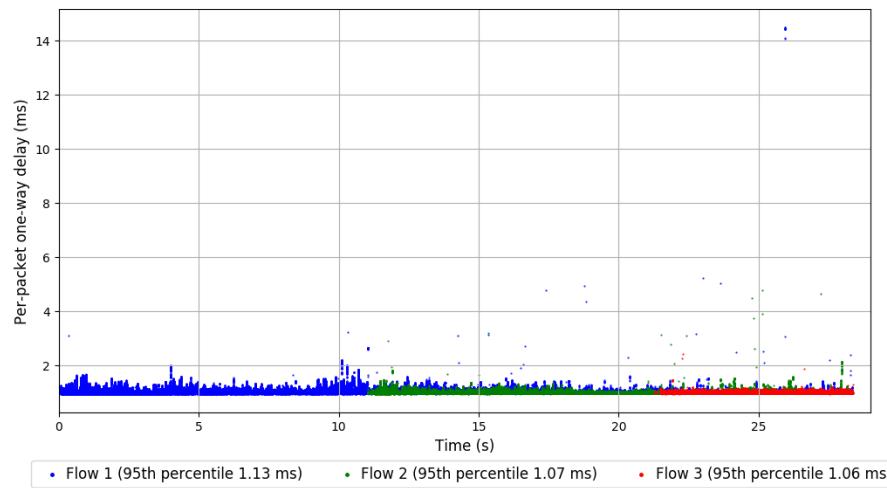
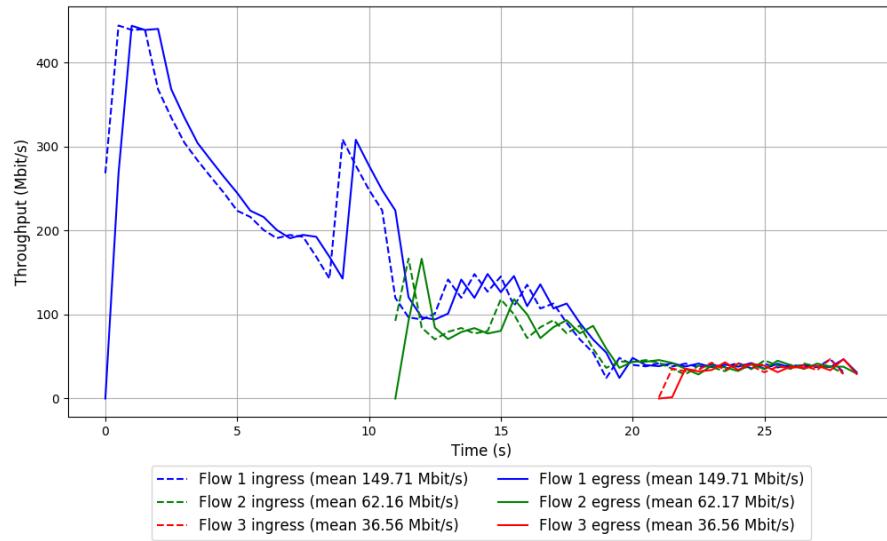


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 16:30:58
End at: 2019-07-12 16:31:28
Local clock offset: 6.356 ms
Remote clock offset: 5.153 ms

# Below is generated by plot.py at 2019-07-12 19:34:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 196.76 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.71 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.04%
```

Run 1: Report of Indigo-MusesT — Data Link

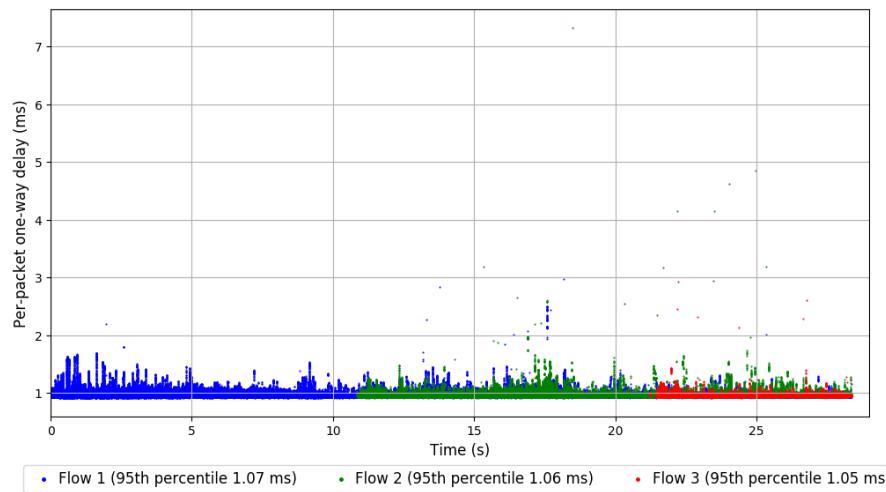
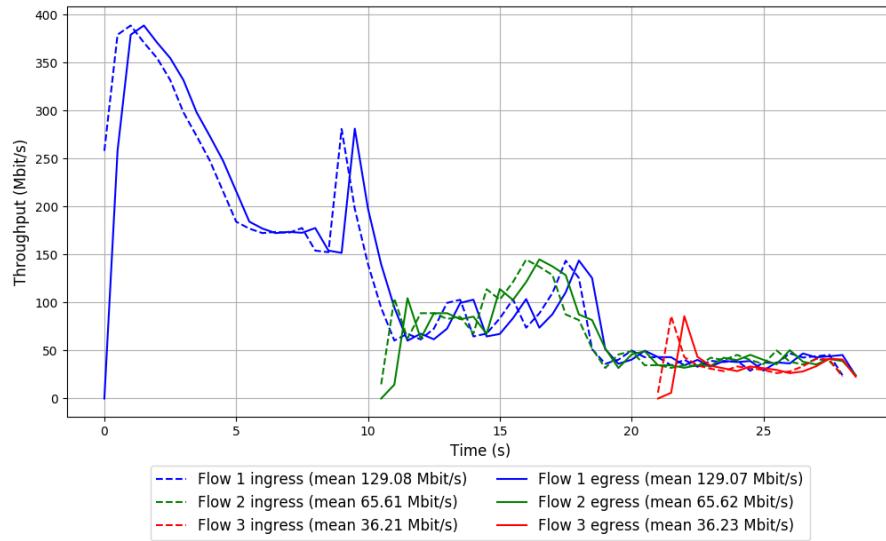


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 17:05:17
End at: 2019-07-12 17:05:47
Local clock offset: 6.78 ms
Remote clock offset: 3.237 ms

# Below is generated by plot.py at 2019-07-12 19:34:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 178.69 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 129.07 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.02%
```

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

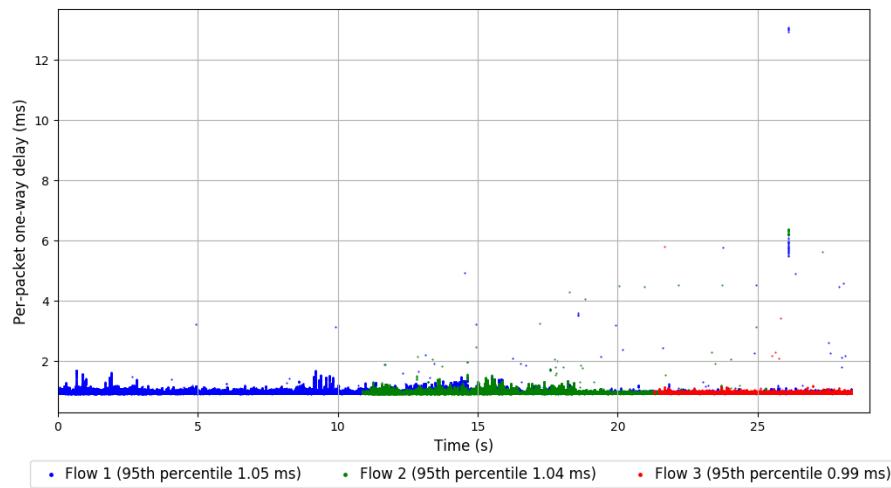
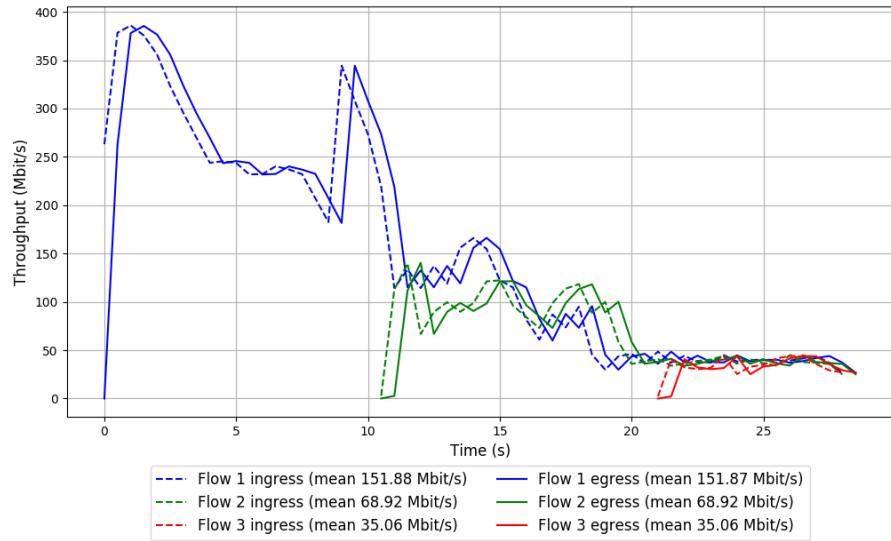


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 17:39:31
End at: 2019-07-12 17:40:01
Local clock offset: 6.764 ms
Remote clock offset: 3.274 ms

# Below is generated by plot.py at 2019-07-12 19:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 203.09 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.87 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.00%
```

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

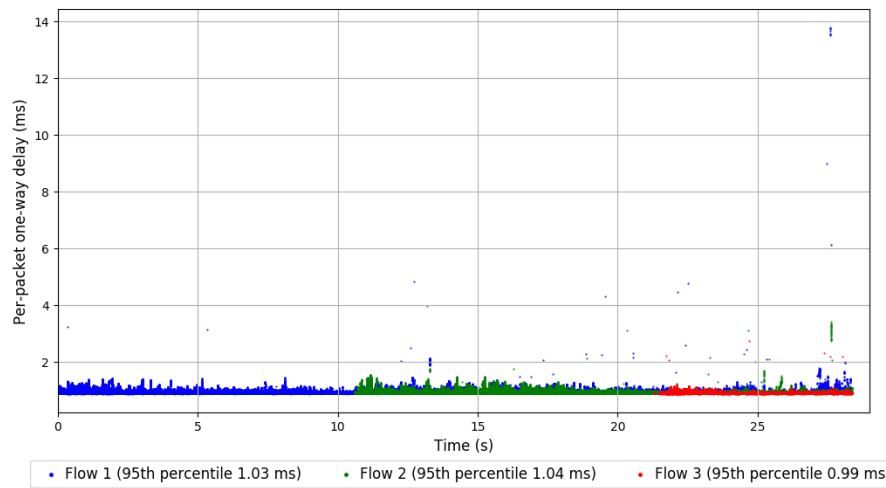
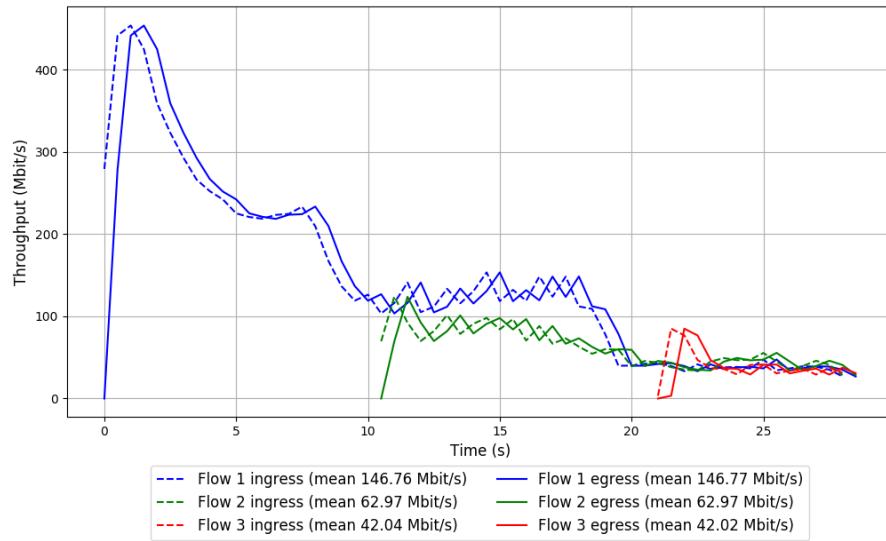


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 18:13:59
End at: 2019-07-12 18:14:29
Local clock offset: 7.248 ms
Remote clock offset: 3.663 ms

# Below is generated by plot.py at 2019-07-12 19:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 196.68 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 146.77 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.97 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 0.990 ms
Loss rate: 0.09%
```

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

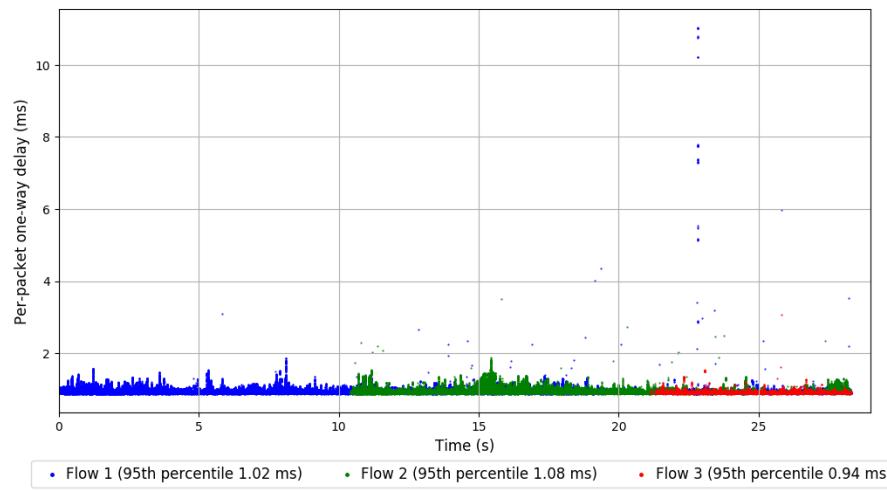
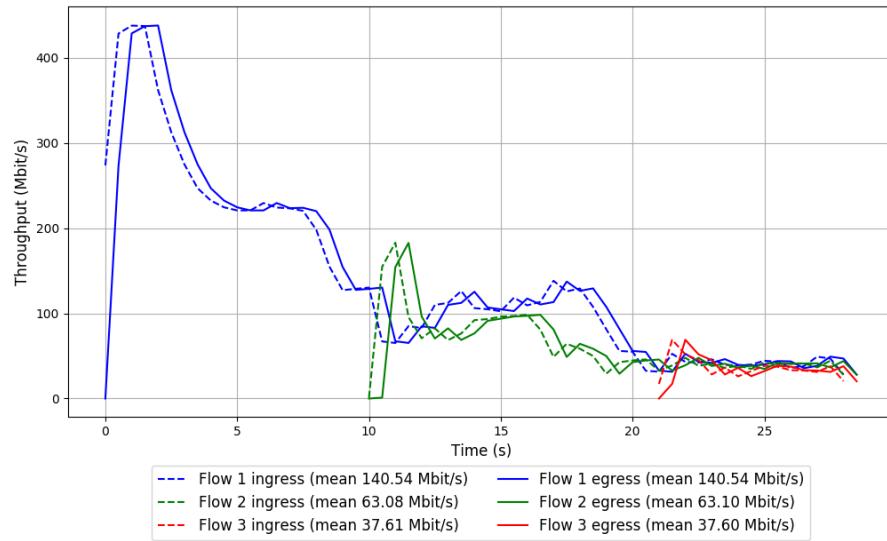


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 18:48:02
End at: 2019-07-12 18:48:32
Local clock offset: 7.723 ms
Remote clock offset: 3.176 ms

# Below is generated by plot.py at 2019-07-12 19:34:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.87 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 140.54 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 0.939 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-MusesT — Data Link

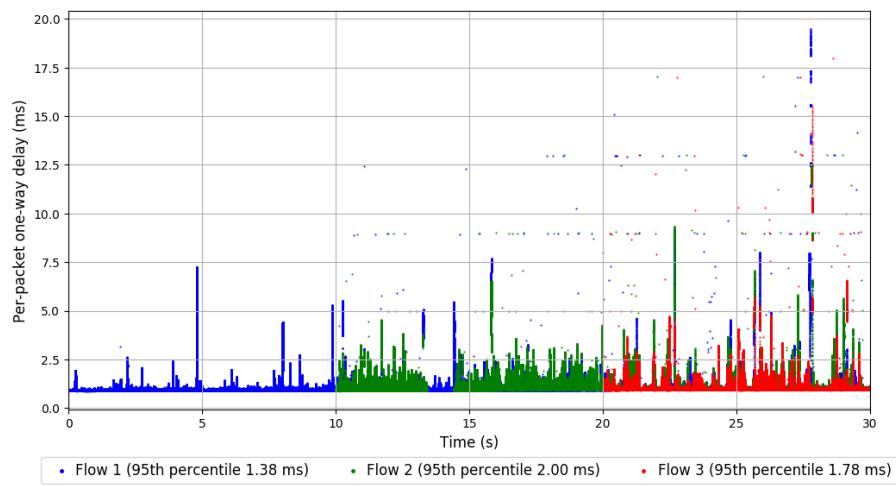
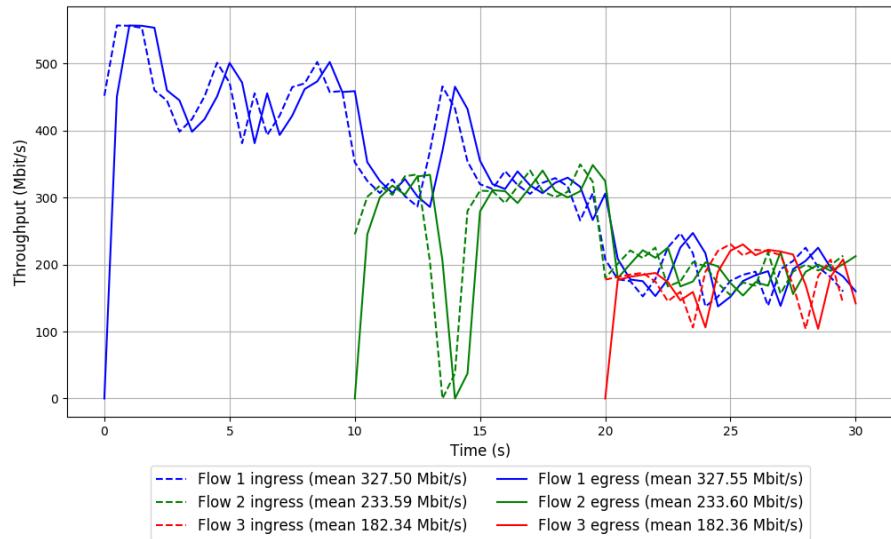


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-12 16:19:19
End at: 2019-07-12 16:19:49
Local clock offset: 6.21 ms
Remote clock offset: 3.967 ms

# Below is generated by plot.py at 2019-07-12 19:38:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 543.69 Mbit/s
95th percentile per-packet one-way delay: 1.626 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 327.55 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 233.60 Mbit/s
95th percentile per-packet one-way delay: 1.999 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 182.36 Mbit/s
95th percentile per-packet one-way delay: 1.777 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

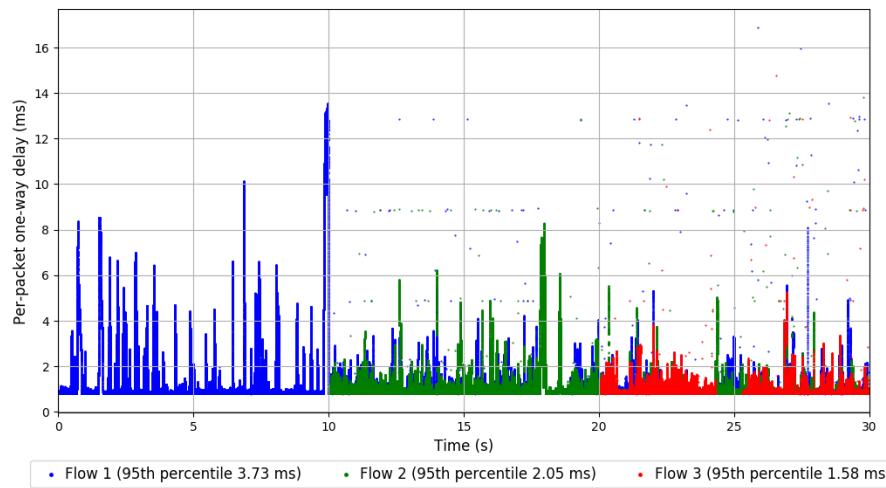
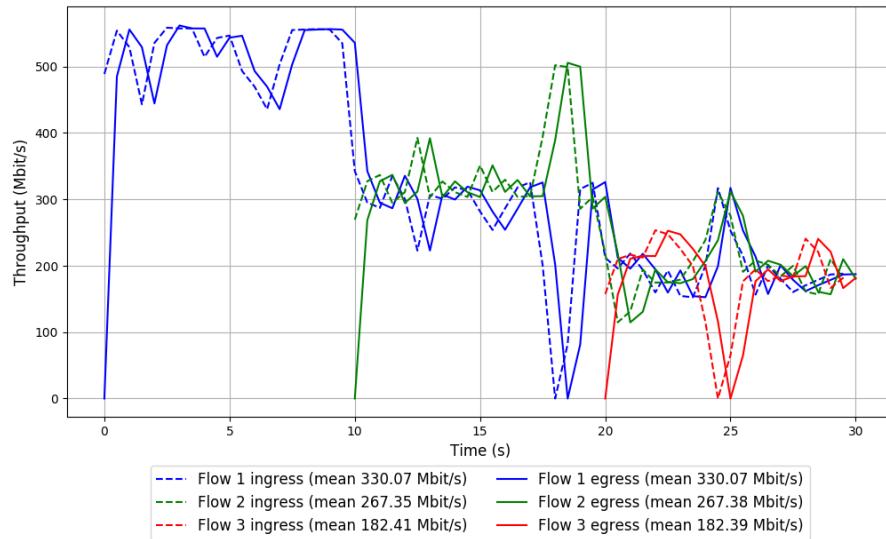


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-12 16:53:37
End at: 2019-07-12 16:54:07
Local clock offset: 6.847 ms
Remote clock offset: 3.473 ms

# Below is generated by plot.py at 2019-07-12 19:39:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.65 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 330.07 Mbit/s
95th percentile per-packet one-way delay: 3.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 267.38 Mbit/s
95th percentile per-packet one-way delay: 2.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.39 Mbit/s
95th percentile per-packet one-way delay: 1.584 ms
Loss rate: 0.02%
```

Run 2: Report of LEDBAT — Data Link

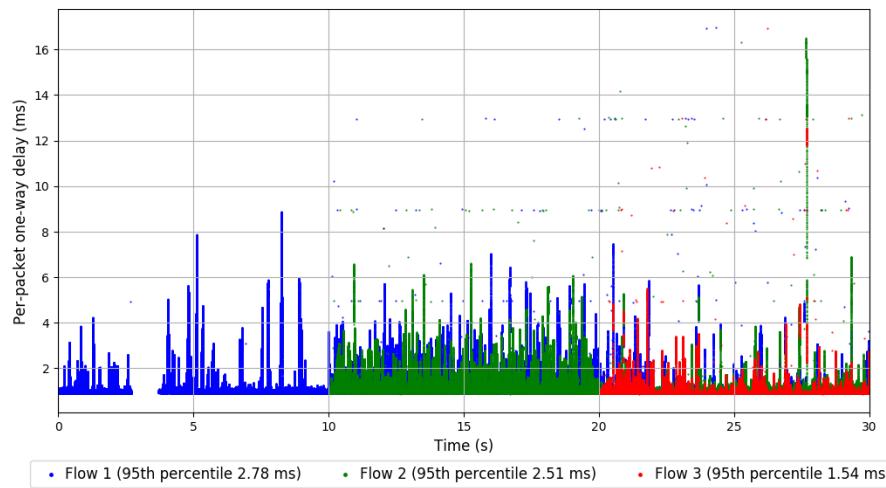
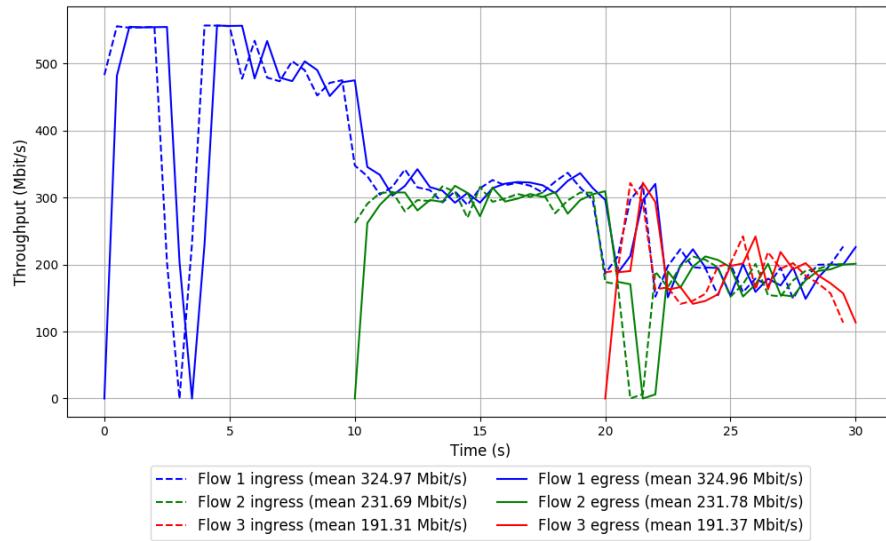


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-12 17:28:01
End at: 2019-07-12 17:28:31
Local clock offset: 6.812 ms
Remote clock offset: 3.229 ms

# Below is generated by plot.py at 2019-07-12 19:39:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 542.76 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 324.96 Mbit/s
95th percentile per-packet one-way delay: 2.778 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 231.78 Mbit/s
95th percentile per-packet one-way delay: 2.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 191.37 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

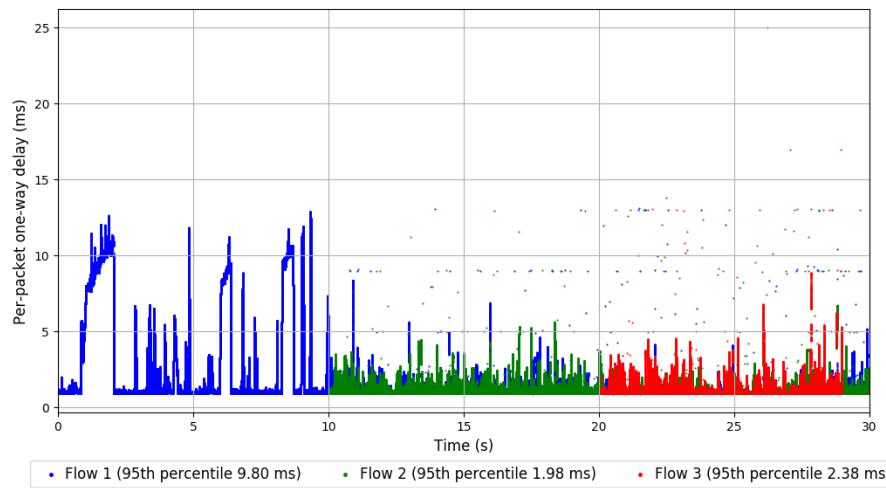
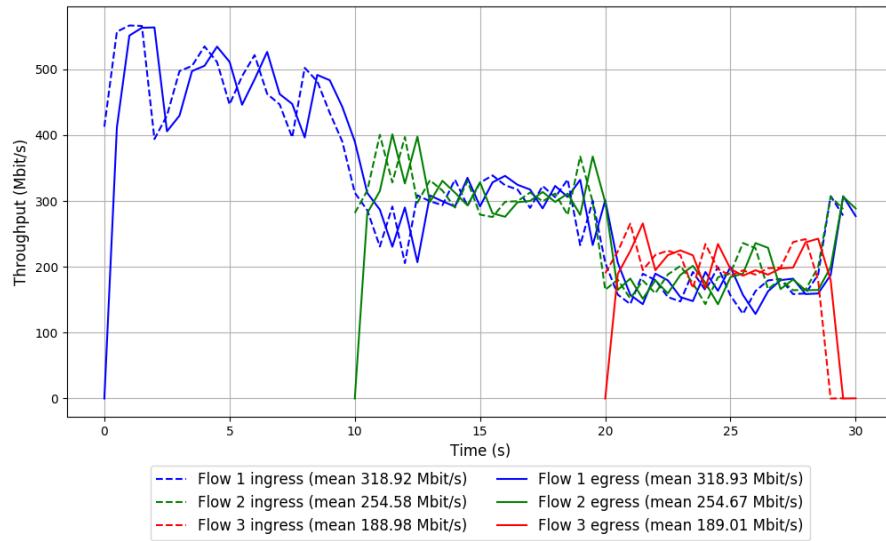


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-12 18:02:15
End at: 2019-07-12 18:02:45
Local clock offset: 6.965 ms
Remote clock offset: 3.44 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 551.15 Mbit/s
95th percentile per-packet one-way delay: 8.644 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 318.93 Mbit/s
95th percentile per-packet one-way delay: 9.803 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 254.67 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.01 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

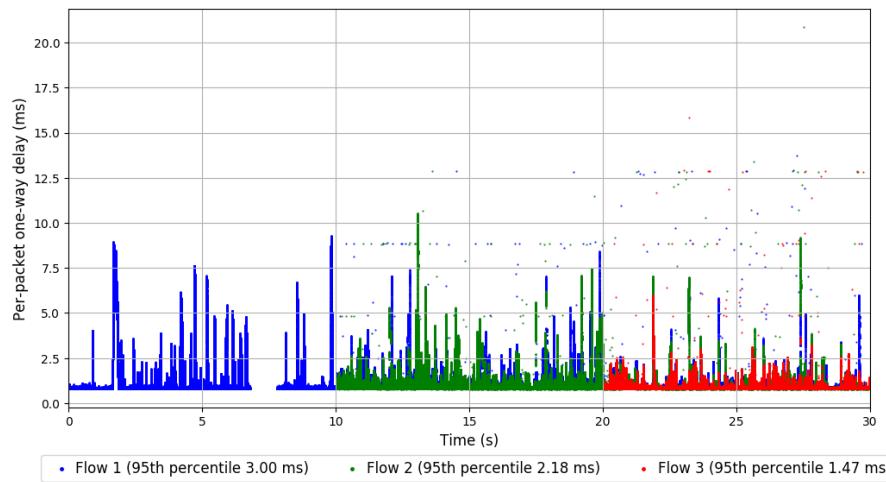
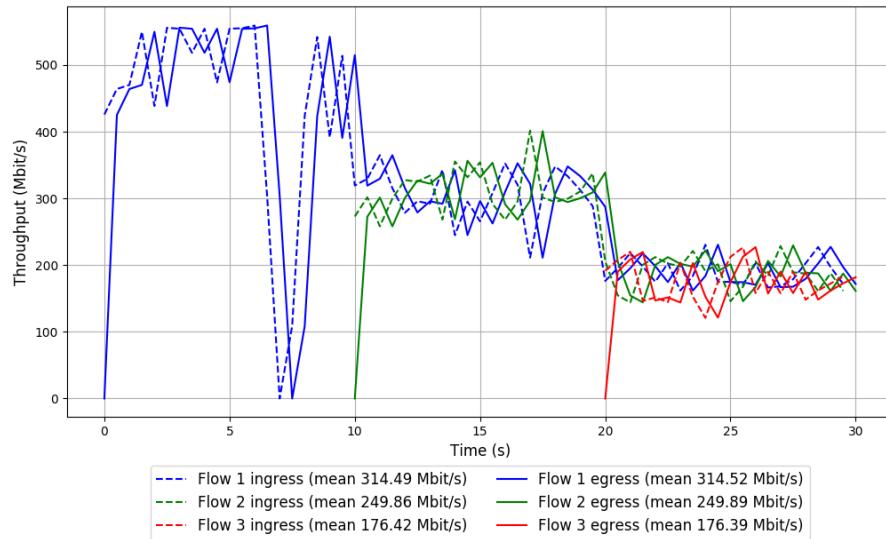


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-12 18:36:31
End at: 2019-07-12 18:37:01
Local clock offset: 7.602 ms
Remote clock offset: 3.247 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.46 Mbit/s
95th percentile per-packet one-way delay: 2.515 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 314.52 Mbit/s
95th percentile per-packet one-way delay: 2.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 249.89 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 176.39 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.03%
```

Run 5: Report of LEDBAT — Data Link

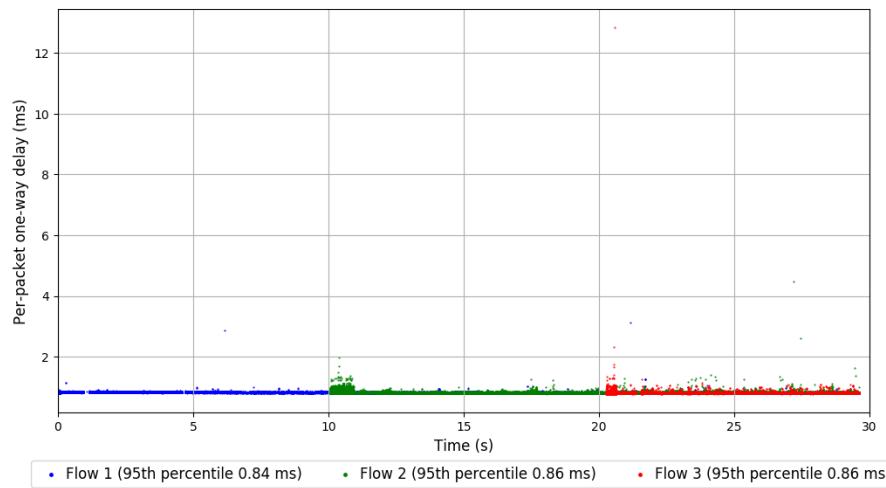
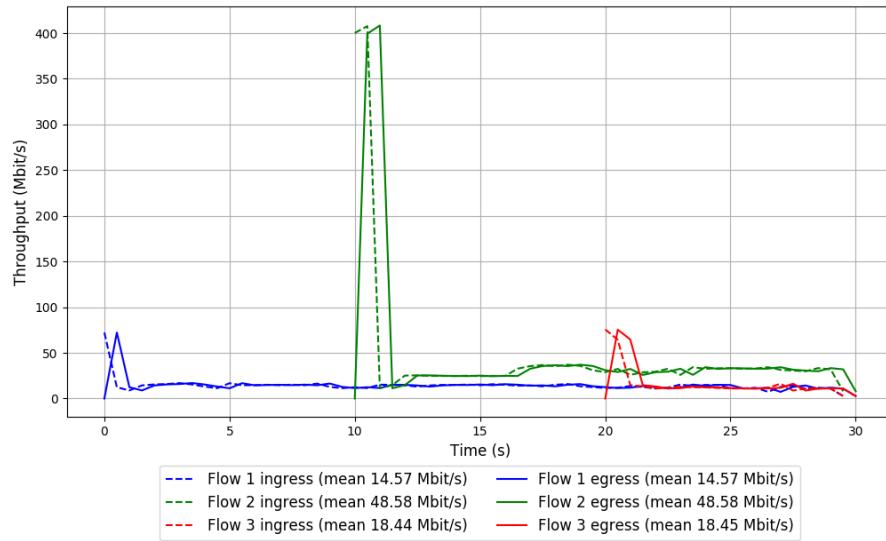


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 15:58:01
End at: 2019-07-12 15:58:31
Local clock offset: 6.499 ms
Remote clock offset: -1.119 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 0.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 0.845 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 0.856 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 0.861 ms
Loss rate: 0.01%
```

Run 1: Report of Muses\_DecisionTree — Data Link

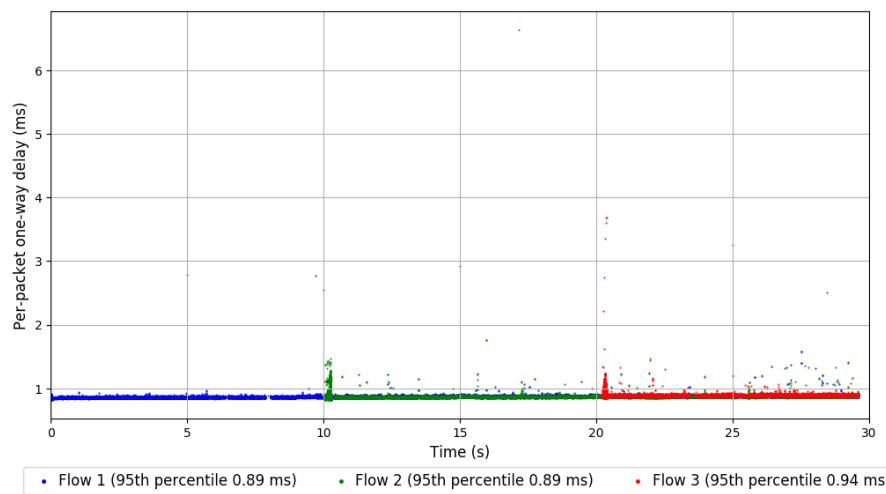
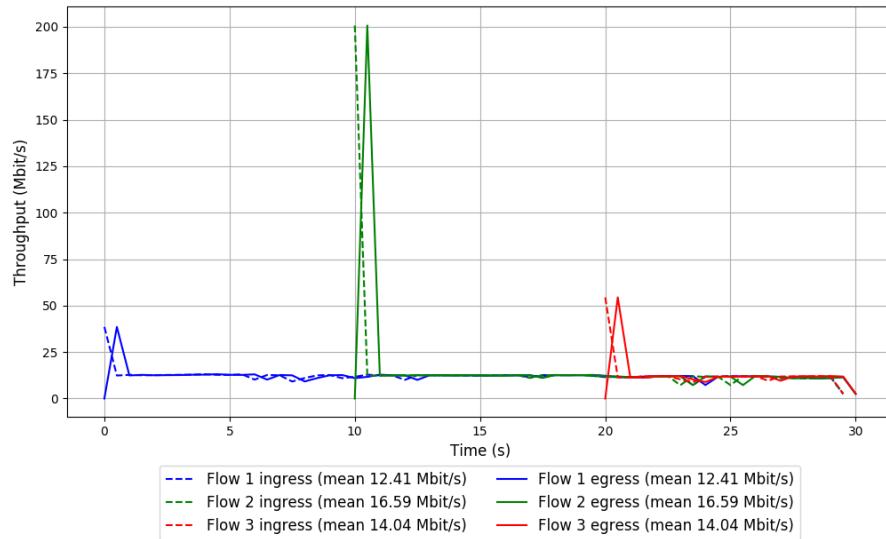


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 16:32:19
End at: 2019-07-12 16:32:49
Local clock offset: 6.397 ms
Remote clock offset: 5.375 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 0.888 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.02%
```

Run 2: Report of Muses\_DecisionTree — Data Link

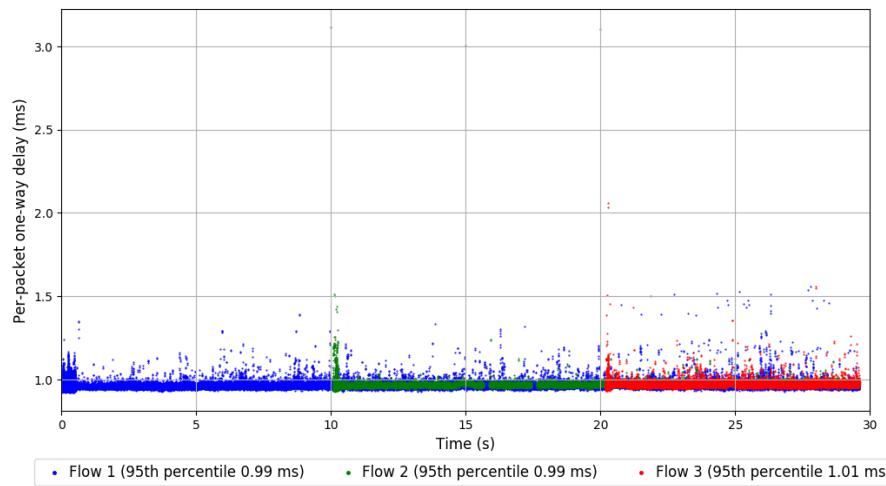
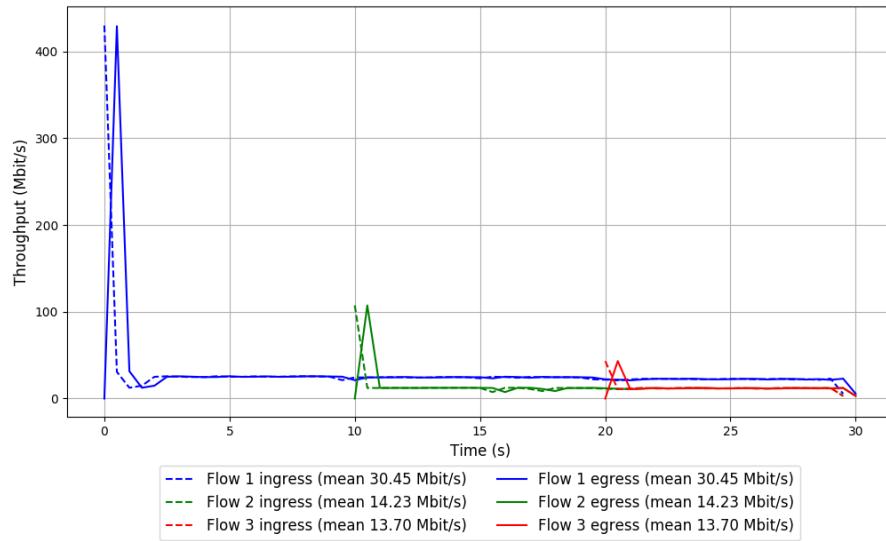


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 17:06:38
End at: 2019-07-12 17:07:08
Local clock offset: 6.785 ms
Remote clock offset: 3.263 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 14.23 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.02%
```

Run 3: Report of Muses\_DecisionTree — Data Link

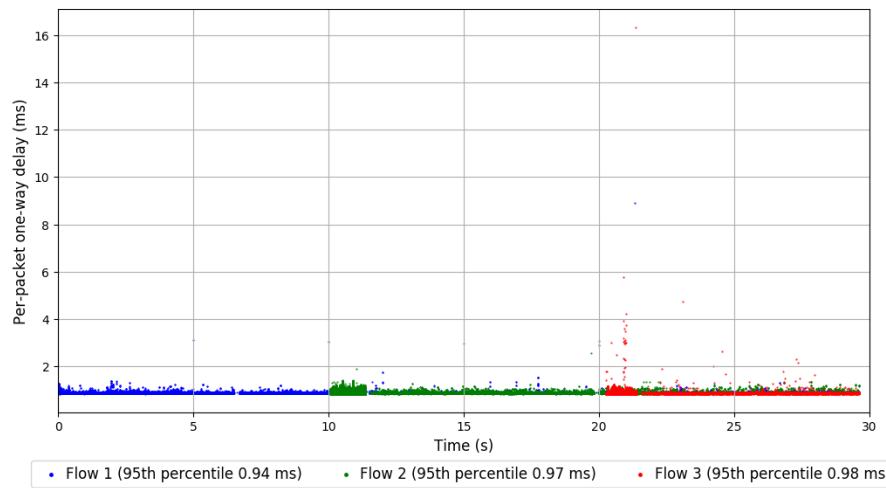
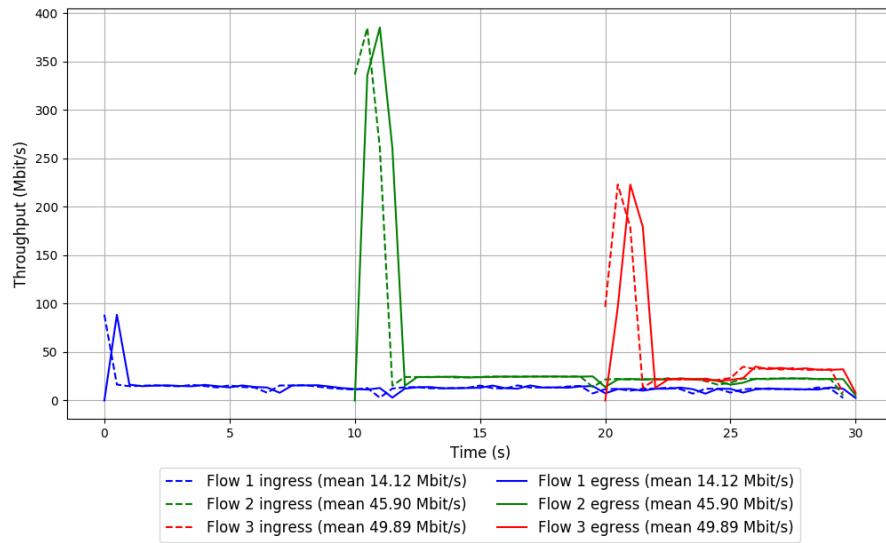


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 17:40:52
End at: 2019-07-12 17:41:22
Local clock offset: 6.776 ms
Remote clock offset: 3.379 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 0.942 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.01%
```

## Run 4: Report of Muses\_DecisionTree — Data Link

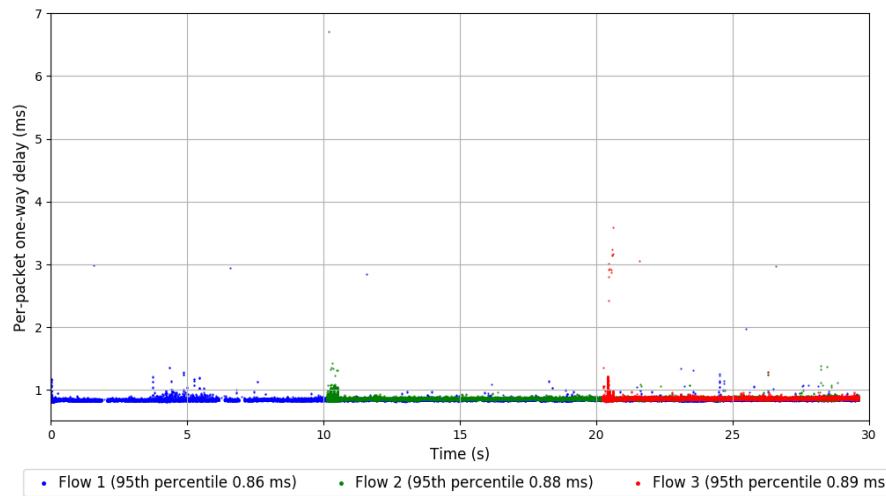
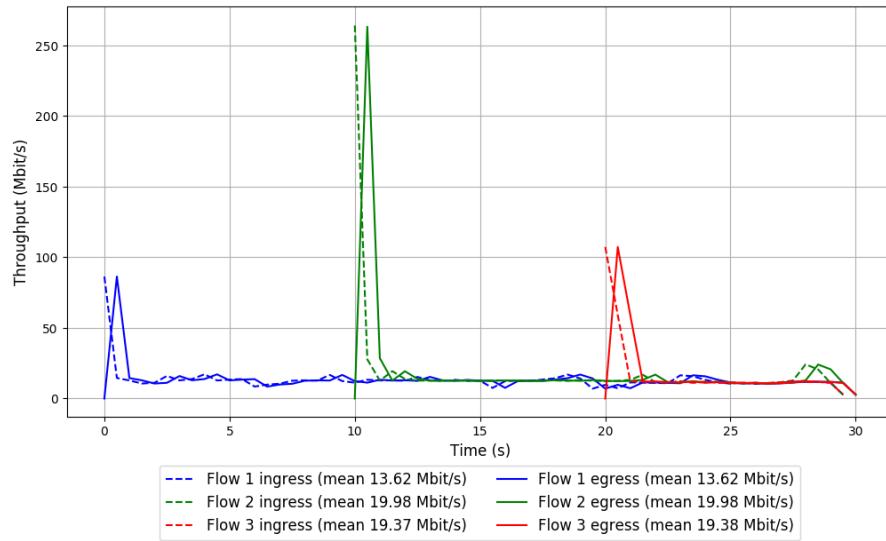


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 18:15:20
End at: 2019-07-12 18:15:50
Local clock offset: 7.234 ms
Remote clock offset: 3.739 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 0.878 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 0.864 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 0.880 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 0.888 ms
Loss rate: 0.01%
```

### Run 5: Report of Muses\_DecisionTree — Data Link

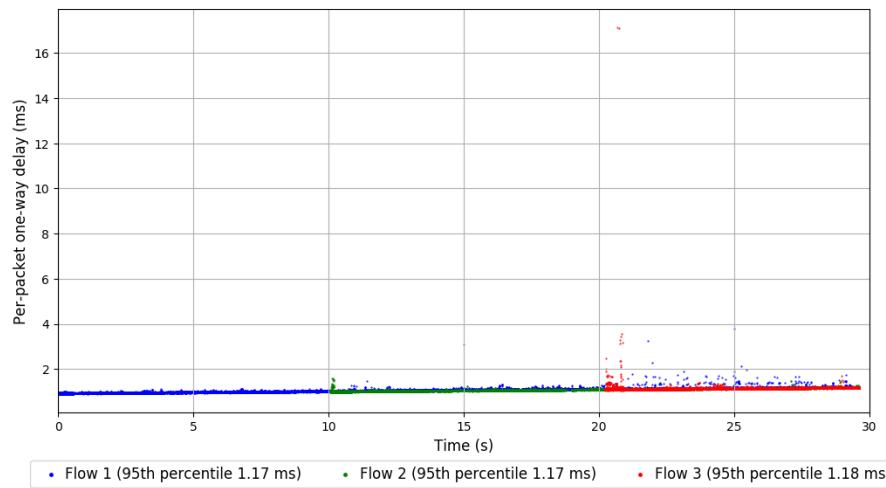
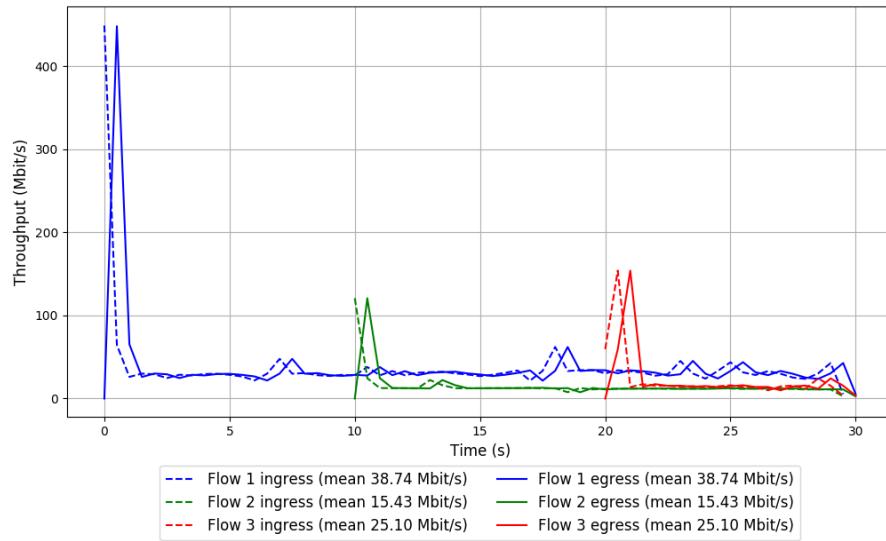


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 15:59:18
End at: 2019-07-12 15:59:48
Local clock offset: 6.473 ms
Remote clock offset: -1.083 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.02%
```

Run 1: Report of Muses\_DecisionTreeH0 — Data Link

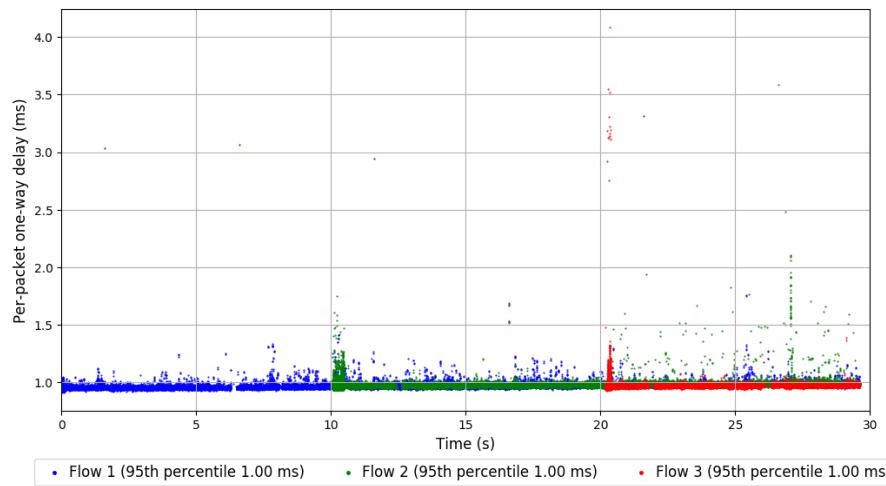
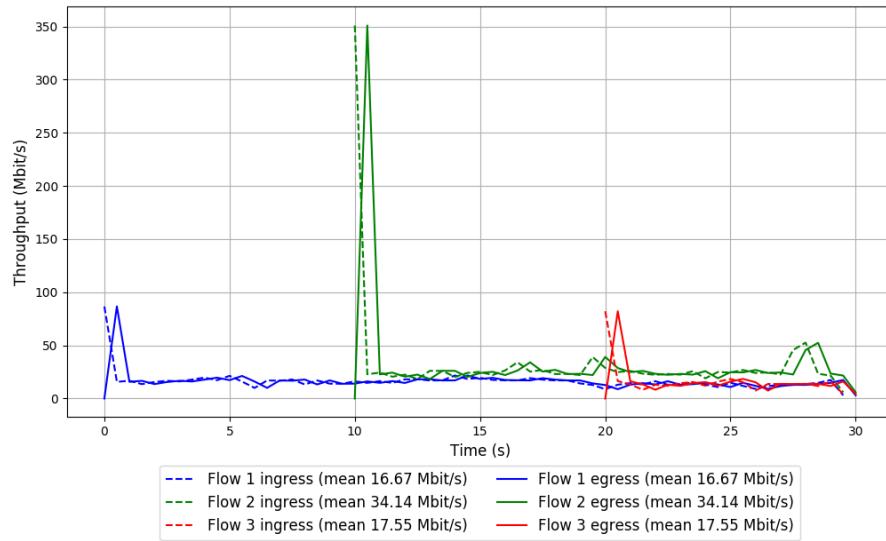


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 16:33:35
End at: 2019-07-12 16:34:05
Local clock offset: 6.436 ms
Remote clock offset: 5.393 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.01%
```

## Run 2: Report of Muses\_DecisionTreeH0 — Data Link

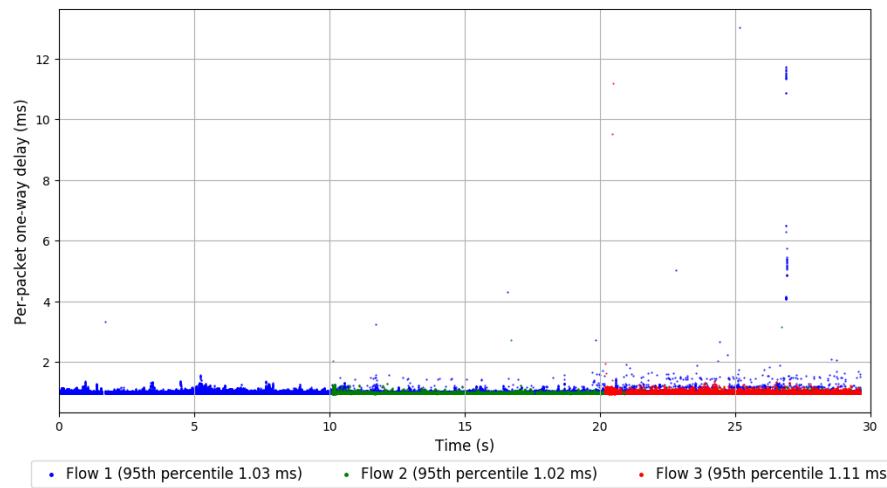
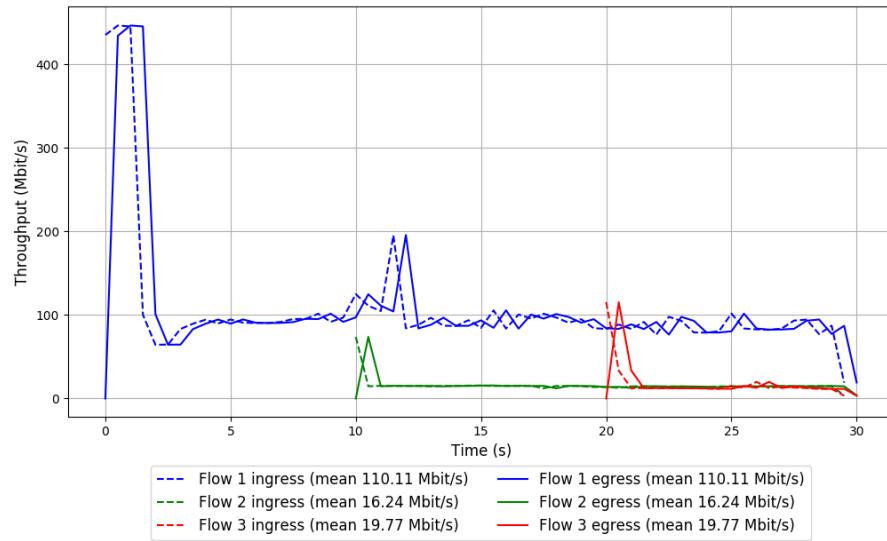


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 17:07:54
End at: 2019-07-12 17:08:24
Local clock offset: 6.786 ms
Remote clock offset: 3.26 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.12 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.11 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.01%
```

Run 3: Report of Muses\_DecisionTreeH0 — Data Link

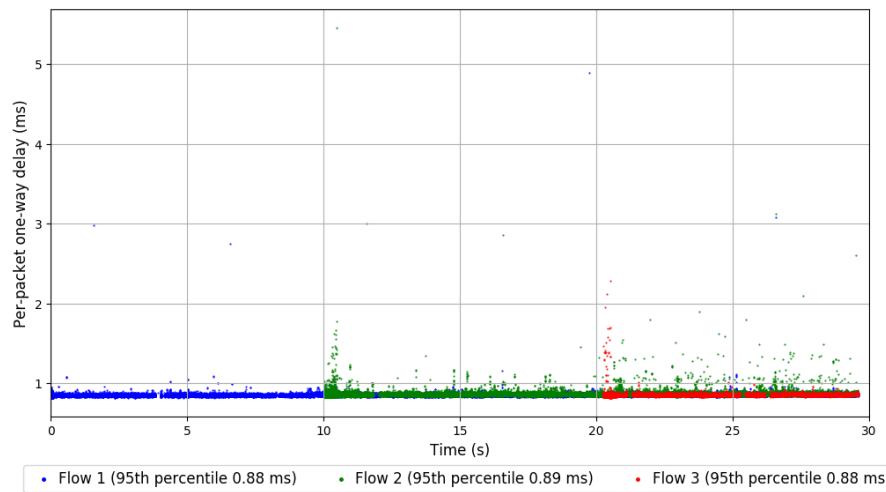
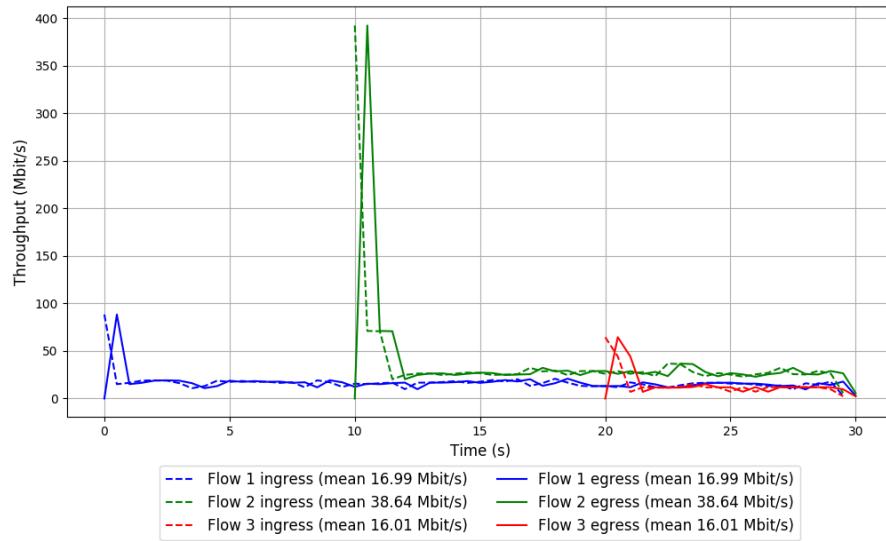


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 17:42:09
End at: 2019-07-12 17:42:39
Local clock offset: 6.763 ms
Remote clock offset: 3.417 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 0.885 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 0.878 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 0.892 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 0.875 ms
Loss rate: 0.00%
```

Run 4: Report of Muses\_DecisionTreeH0 — Data Link

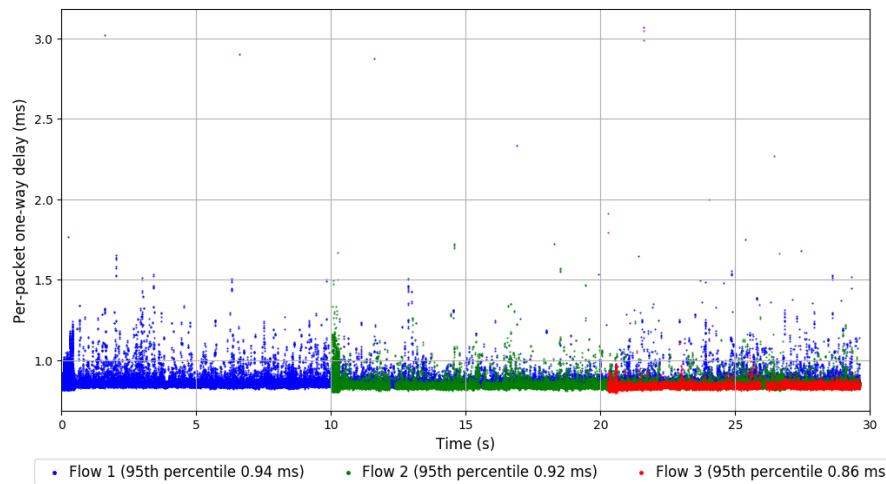
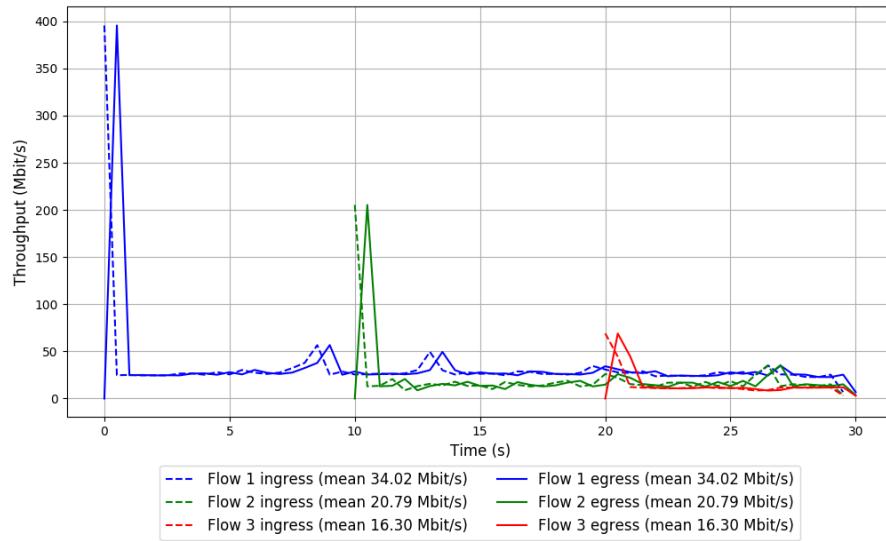


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 18:16:36
End at: 2019-07-12 18:17:06
Local clock offset: 7.273 ms
Remote clock offset: 3.805 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.02%
```

Run 5: Report of Muses\_DecisionTreeH0 — Data Link

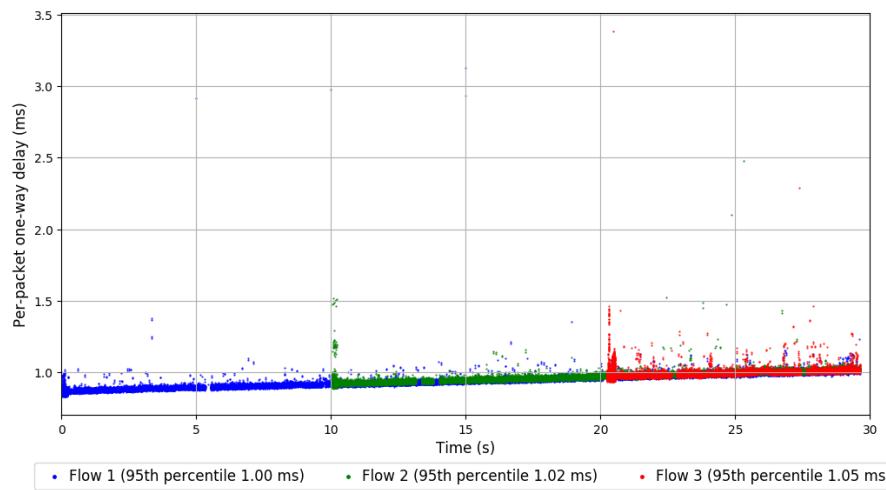
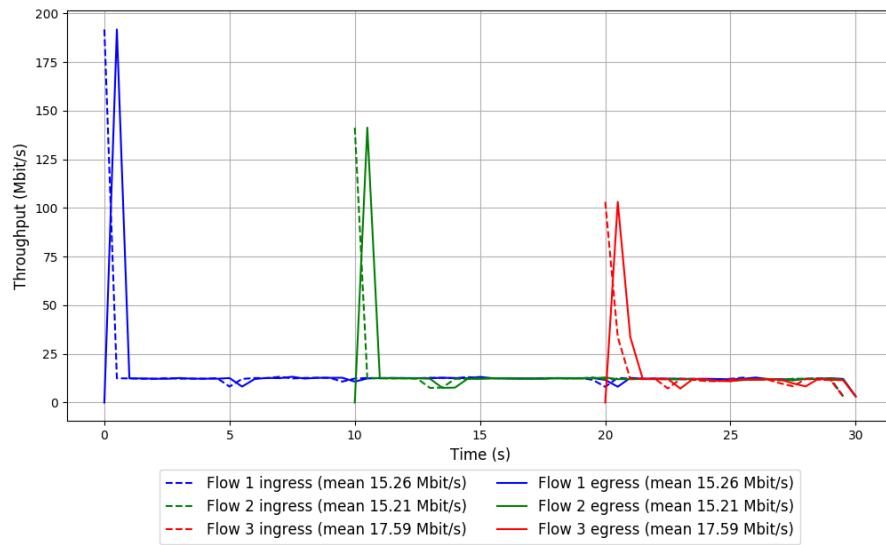


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 16:06:21
End at: 2019-07-12 16:06:52
Local clock offset: 6.311 ms
Remote clock offset: 1.662 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.59 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.01%
```

Run 1: Report of Muses\_DecisionTreeR0 — Data Link

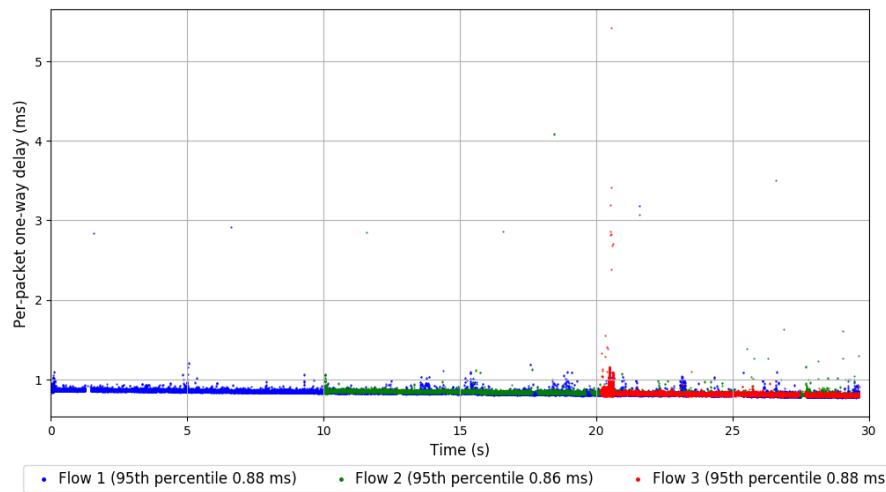
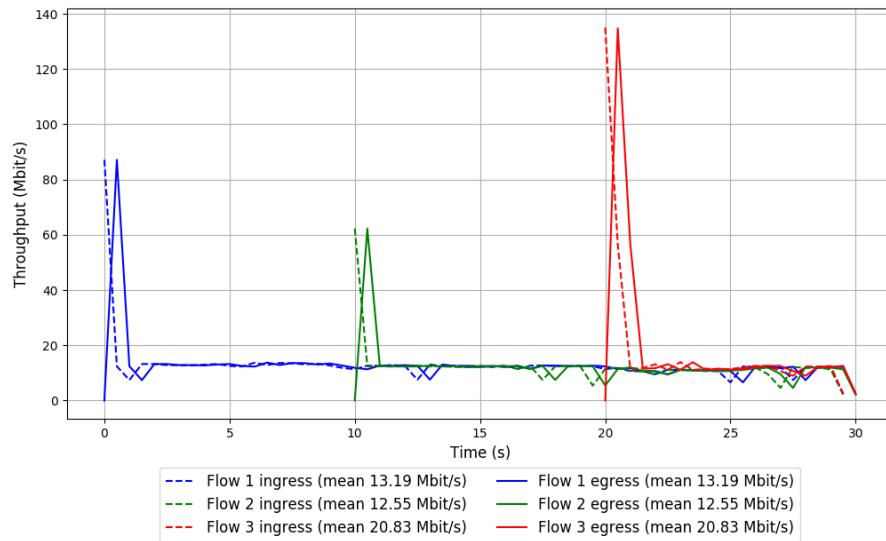


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 16:40:38
End at: 2019-07-12 16:41:08
Local clock offset: 6.658 ms
Remote clock offset: 4.382 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 0.876 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 0.882 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 0.862 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 0.878 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTreeR0 — Data Link

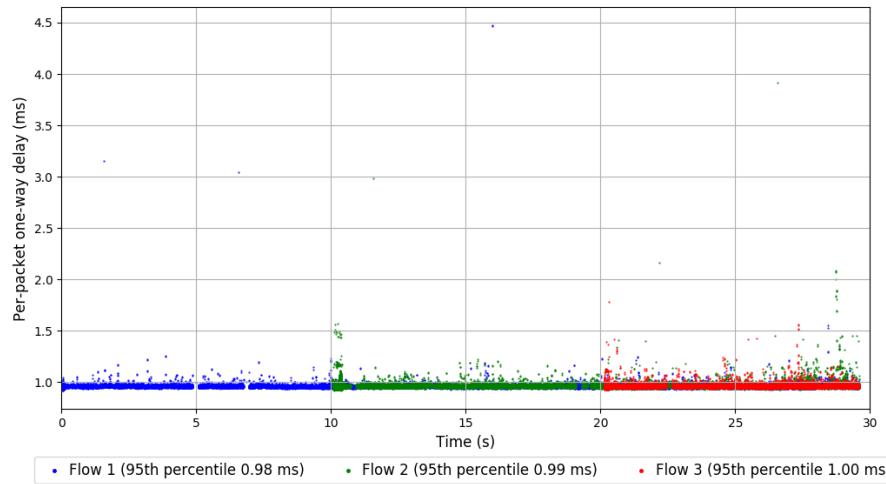
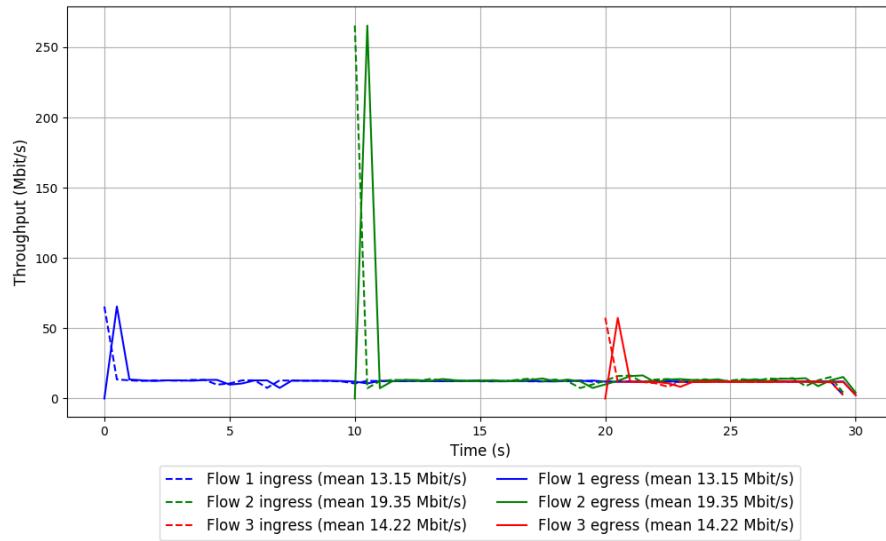


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 17:15:00
End at: 2019-07-12 17:15:30
Local clock offset: 6.766 ms
Remote clock offset: 3.197 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.02%
```

Run 3: Report of Muses\_DecisionTreeR0 — Data Link

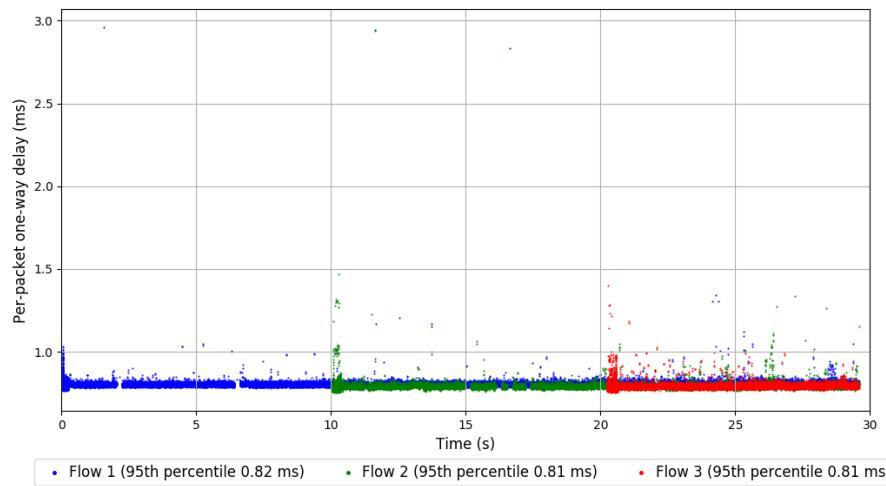
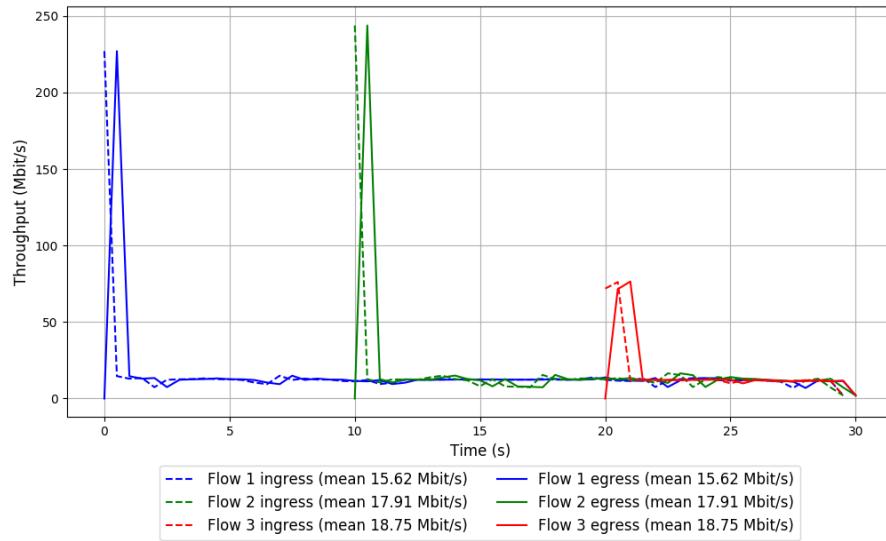


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 17:49:16
End at: 2019-07-12 17:49:46
Local clock offset: 6.748 ms
Remote clock offset: 3.401 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 0.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 0.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 0.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 0.810 ms
Loss rate: 0.01%
```

Run 4: Report of Muses\_DecisionTreeR0 — Data Link

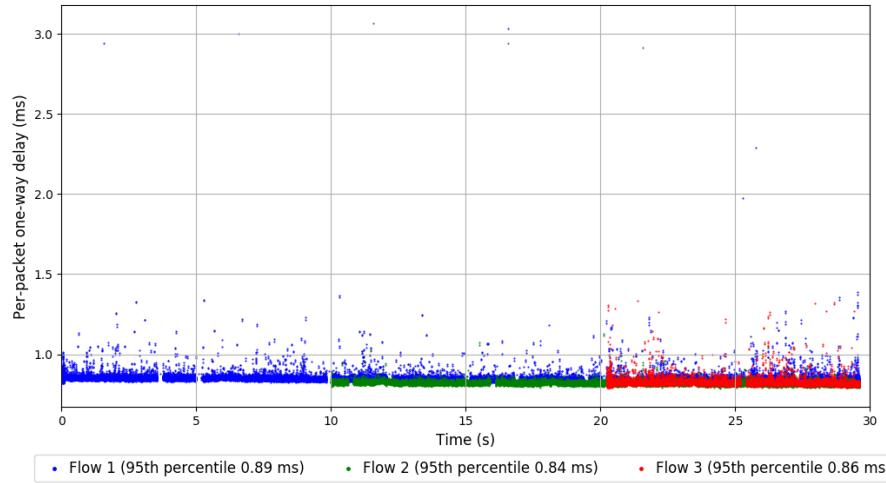
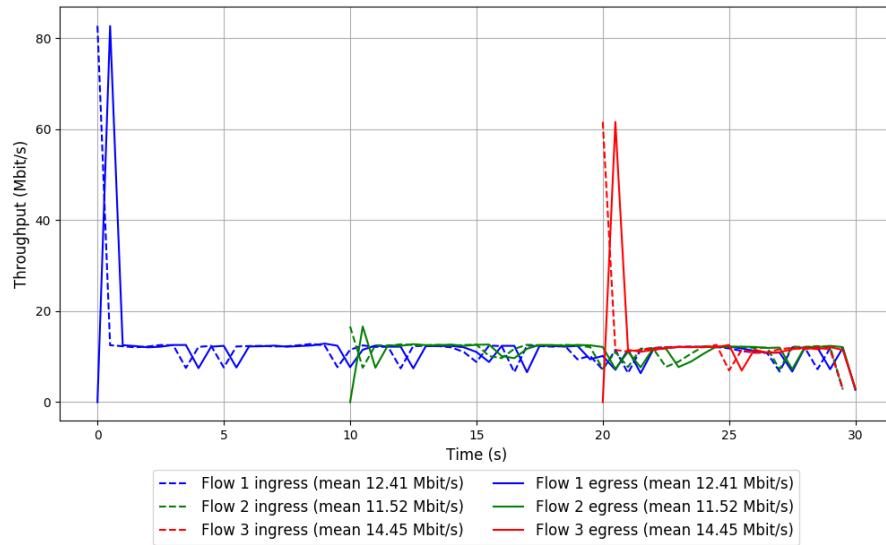


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 18:23:38
End at: 2019-07-12 18:24:08
Local clock offset: 7.354 ms
Remote clock offset: 3.441 ms

# Below is generated by plot.py at 2019-07-12 19:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 0.874 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 0.840 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.02%
```

Run 5: Report of Muses\_DecisionTreeR0 — Data Link

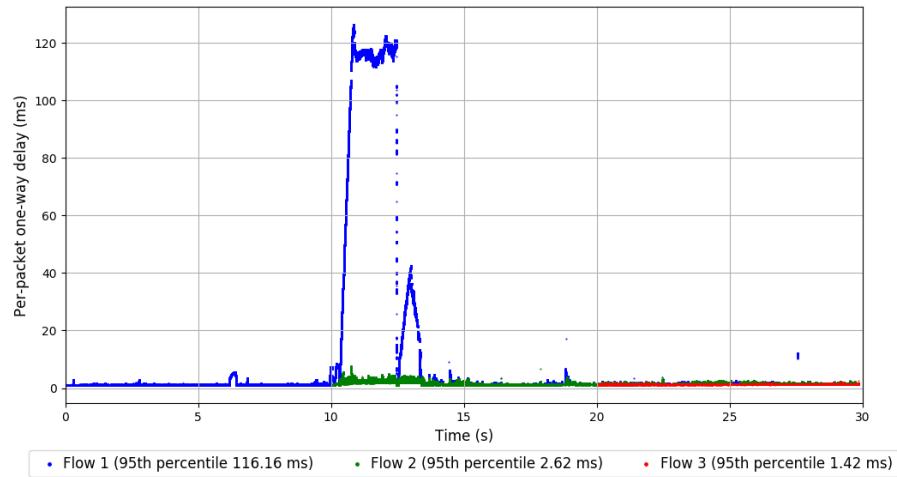
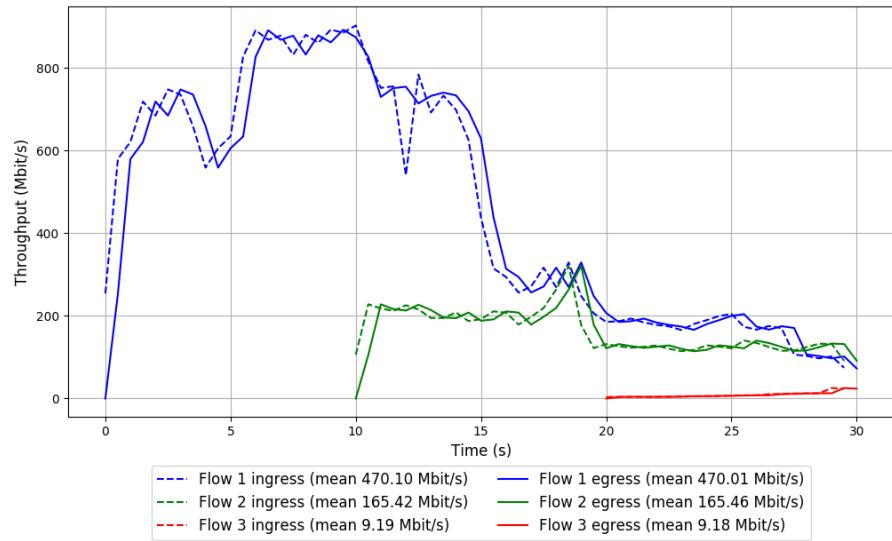


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-12 16:00:34
End at: 2019-07-12 16:01:04
Local clock offset: 6.462 ms
Remote clock offset: -0.608 ms

# Below is generated by plot.py at 2019-07-12 19:43:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 582.84 Mbit/s
95th percentile per-packet one-way delay: 115.569 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 470.01 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 165.46 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 1.417 ms
Loss rate: 0.05%
```

Run 1: Report of PCC-Allegro — Data Link

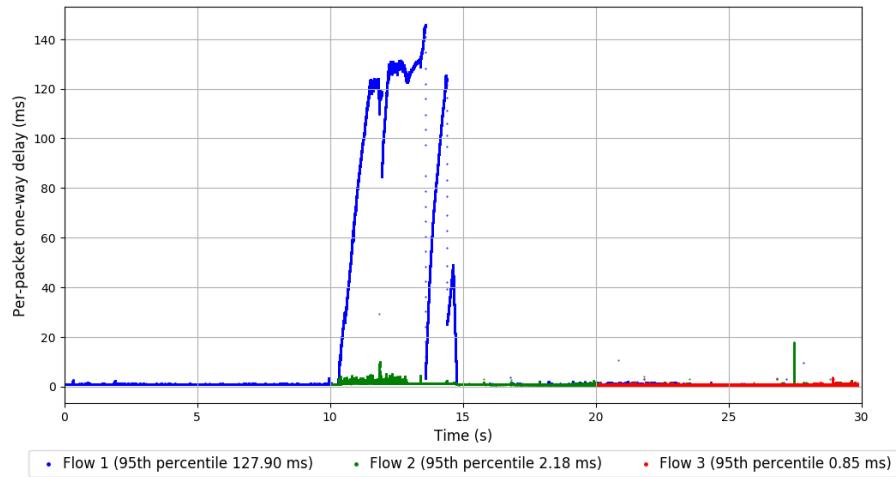
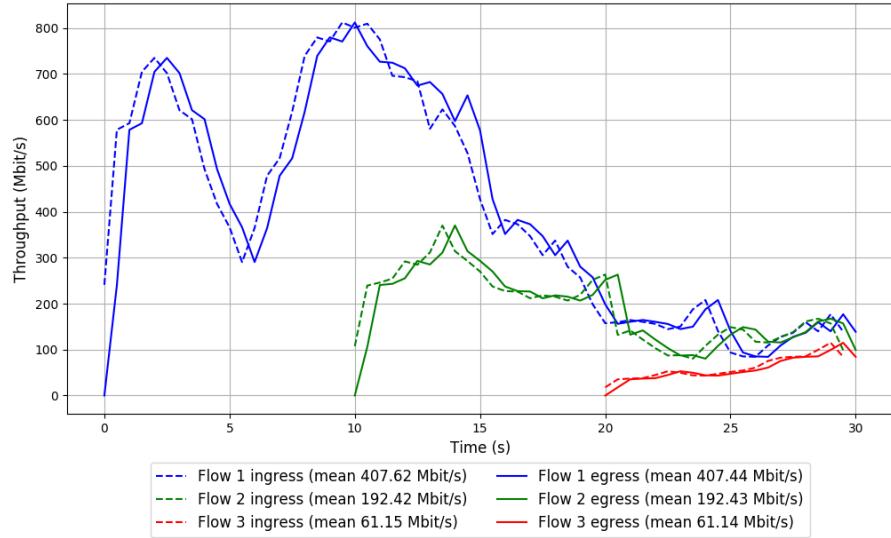


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-12 16:34:51
End at: 2019-07-12 16:35:21
Local clock offset: 6.492 ms
Remote clock offset: 5.639 ms

# Below is generated by plot.py at 2019-07-12 19:43:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.34 Mbit/s
95th percentile per-packet one-way delay: 125.626 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 407.44 Mbit/s
95th percentile per-packet one-way delay: 127.898 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 192.43 Mbit/s
95th percentile per-packet one-way delay: 2.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 0.853 ms
Loss rate: 0.02%
```

## Run 2: Report of PCC-Allegro — Data Link

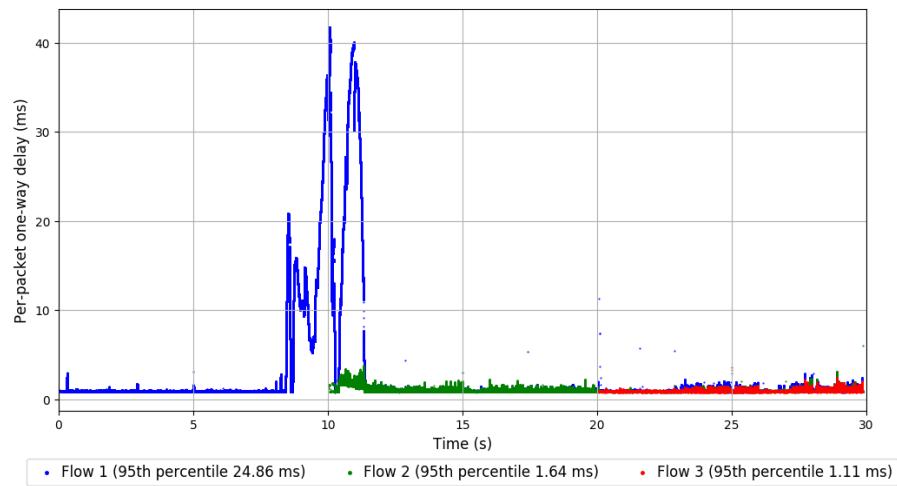
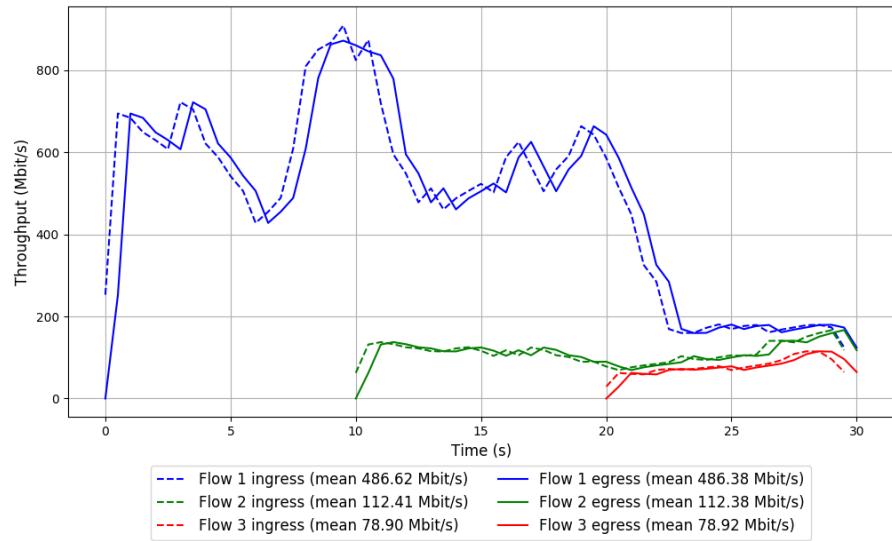


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-12 17:09:13
End at: 2019-07-12 17:09:43
Local clock offset: 6.767 ms
Remote clock offset: 3.351 ms

# Below is generated by plot.py at 2019-07-12 19:44:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 586.92 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 486.38 Mbit/s
95th percentile per-packet one-way delay: 24.859 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 112.38 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 78.92 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Allegro — Data Link

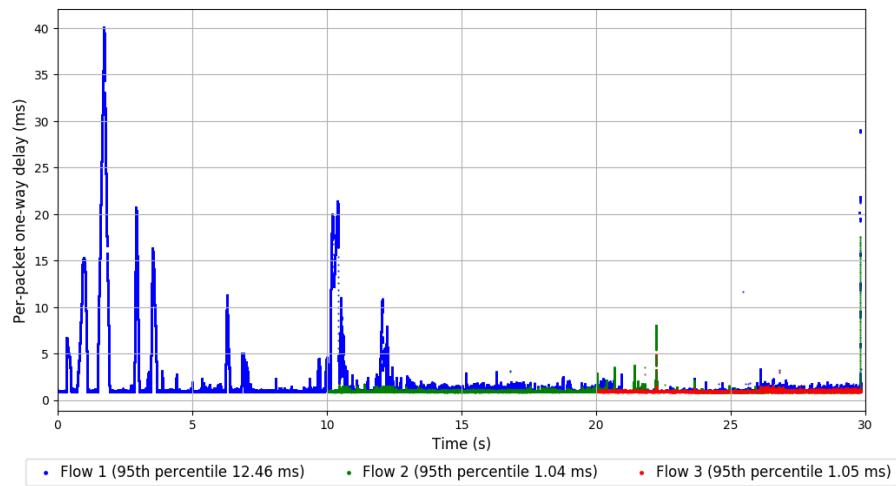
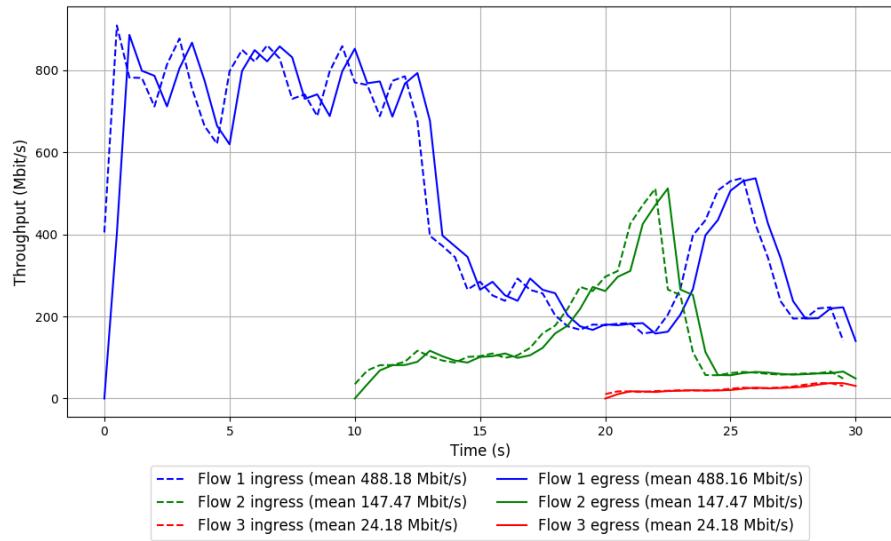


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-12 17:43:25
End at: 2019-07-12 17:43:55
Local clock offset: 6.782 ms
Remote clock offset: 3.355 ms

# Below is generated by plot.py at 2019-07-12 19:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 594.09 Mbit/s
95th percentile per-packet one-way delay: 10.065 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 488.16 Mbit/s
95th percentile per-packet one-way delay: 12.461 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 147.47 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.03%
```

Run 4: Report of PCC-Allegro — Data Link

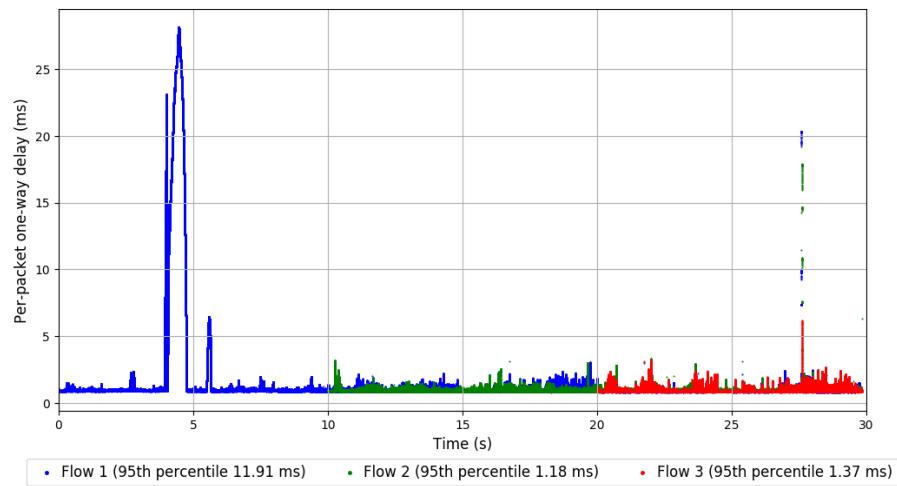
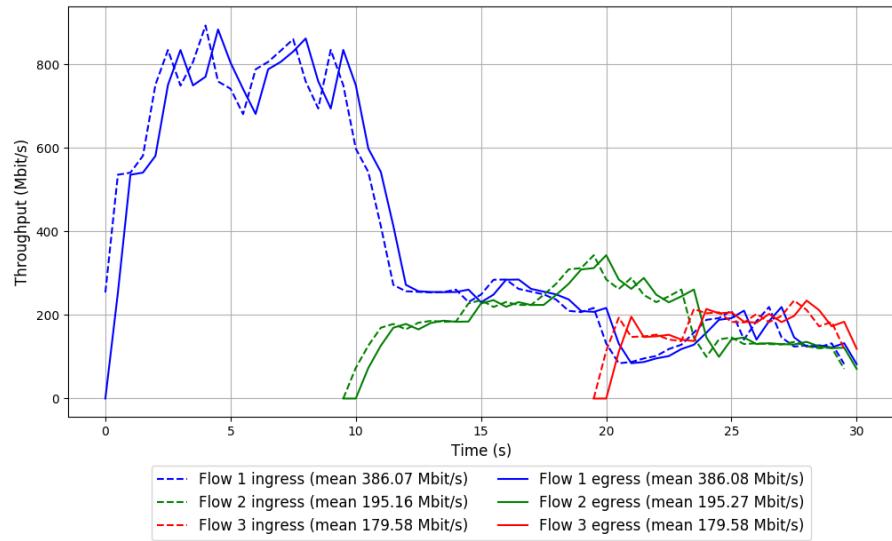


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-12 18:17:52
End at: 2019-07-12 18:18:22
Local clock offset: 7.285 ms
Remote clock offset: 3.673 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.11 Mbit/s
95th percentile per-packet one-way delay: 2.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 386.08 Mbit/s
95th percentile per-packet one-way delay: 11.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.27 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 179.58 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Allegro — Data Link

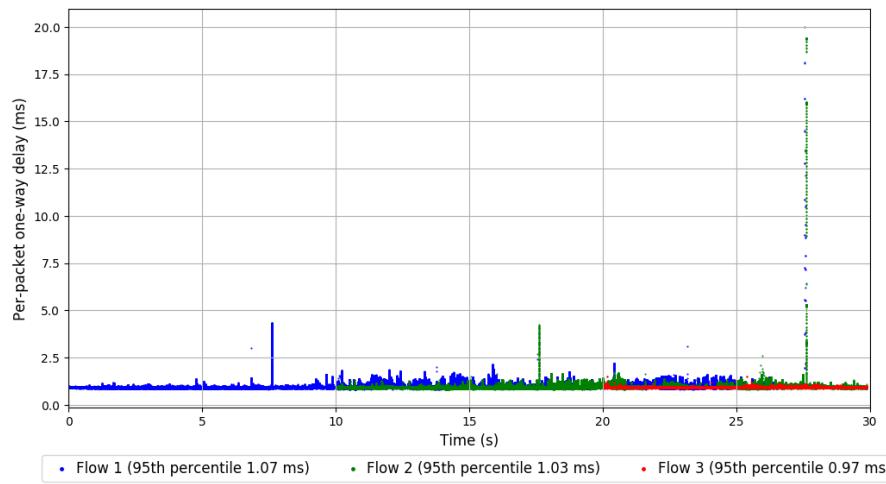
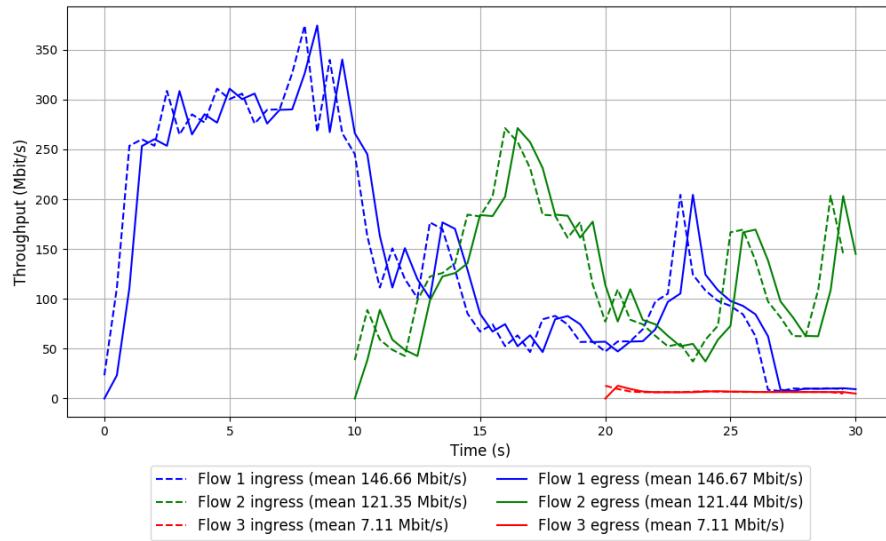


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-12 16:29:29
End at: 2019-07-12 16:29:59
Local clock offset: 6.285 ms
Remote clock offset: 5.054 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.76 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.67 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.44 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

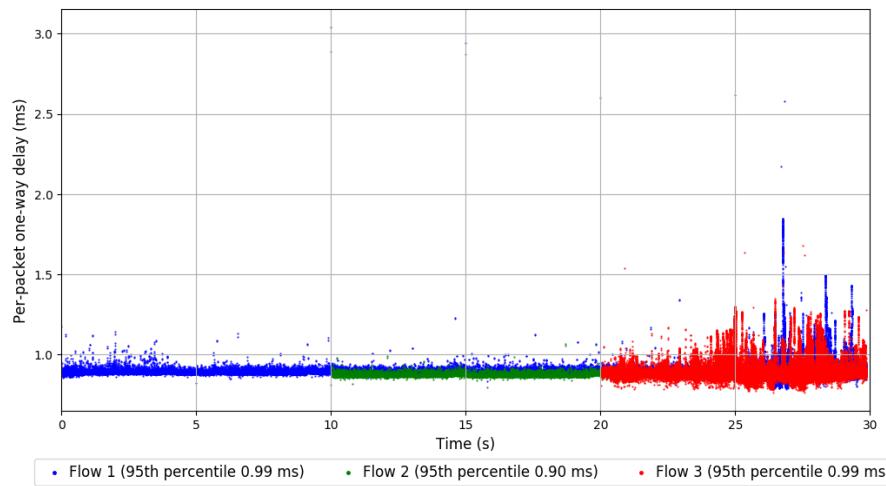
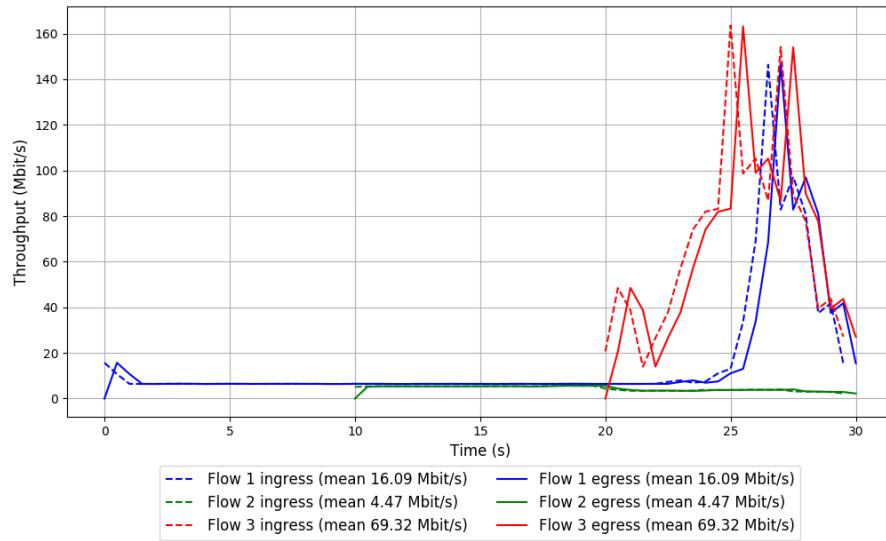


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-12 17:04:00
End at: 2019-07-12 17:04:30
Local clock offset: 6.797 ms
Remote clock offset: 3.31 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 0.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link

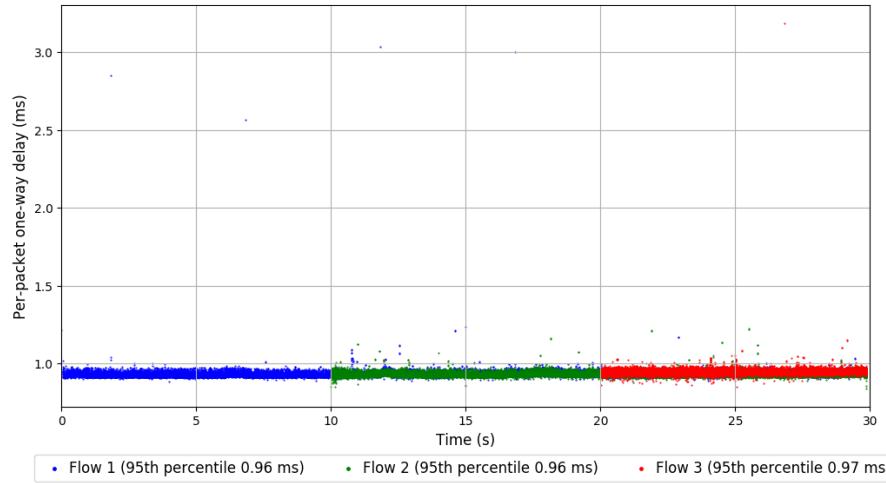
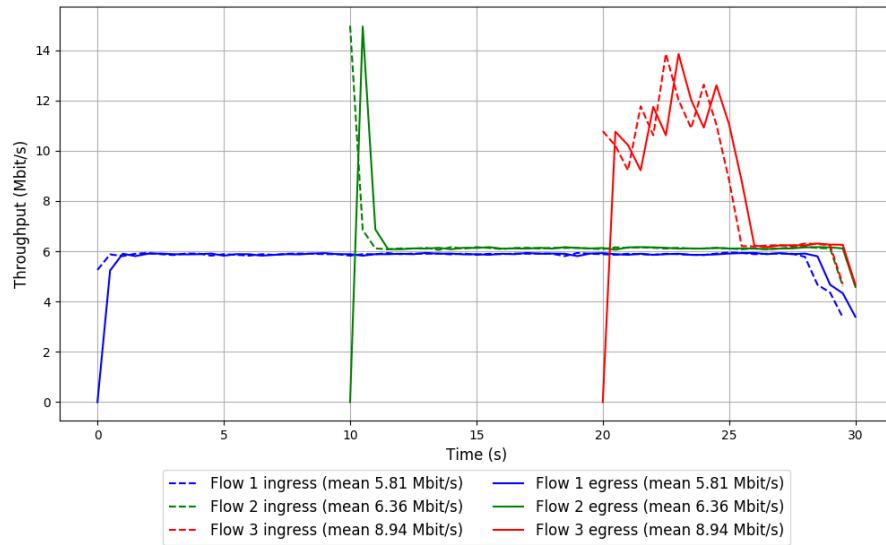


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-12 17:38:16
End at: 2019-07-12 17:38:46
Local clock offset: 6.773 ms
Remote clock offset: 3.276 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Expr — Data Link

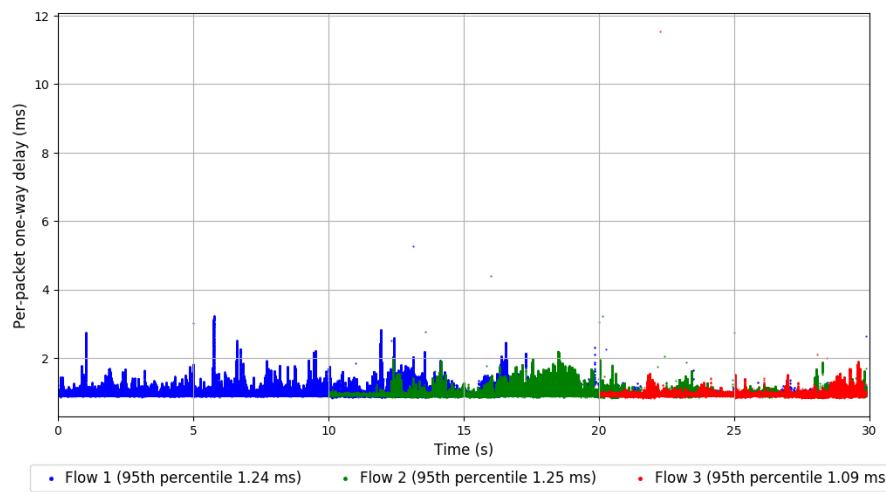
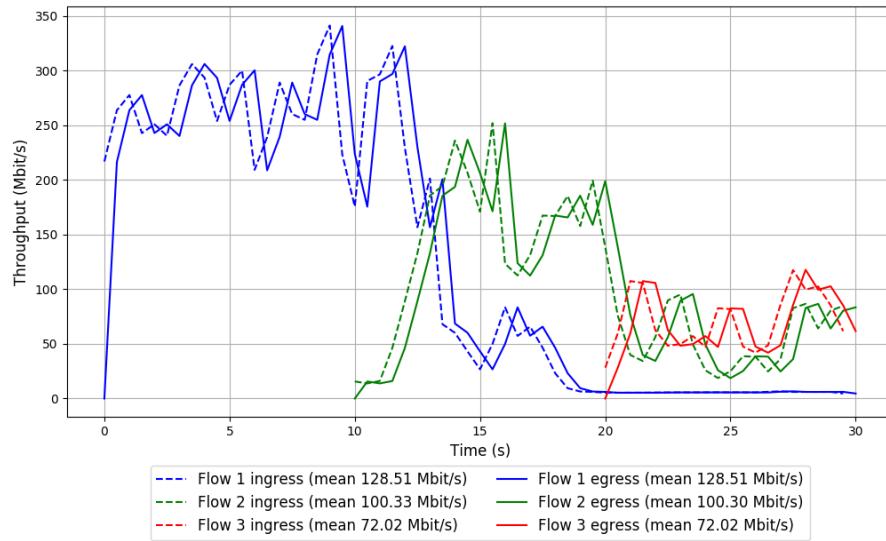


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-12 18:12:31
End at: 2019-07-12 18:13:01
Local clock offset: 7.21 ms
Remote clock offset: 3.602 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.97 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 128.51 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.30 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Expr — Data Link

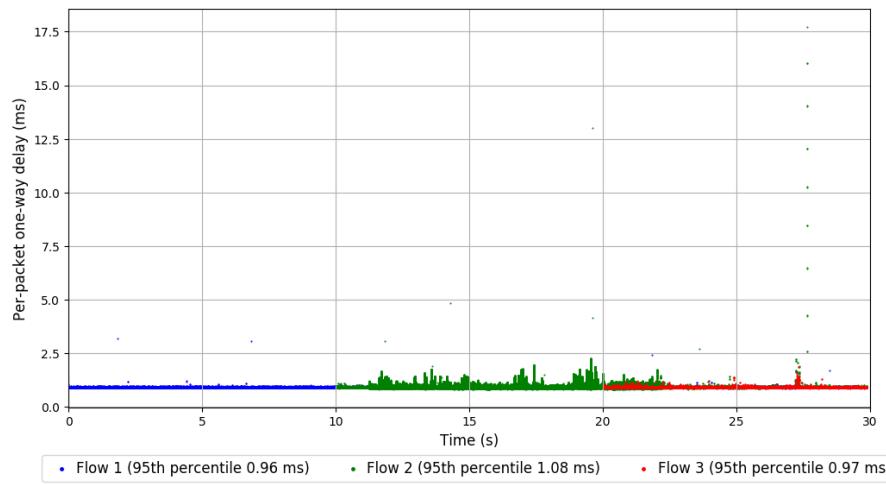
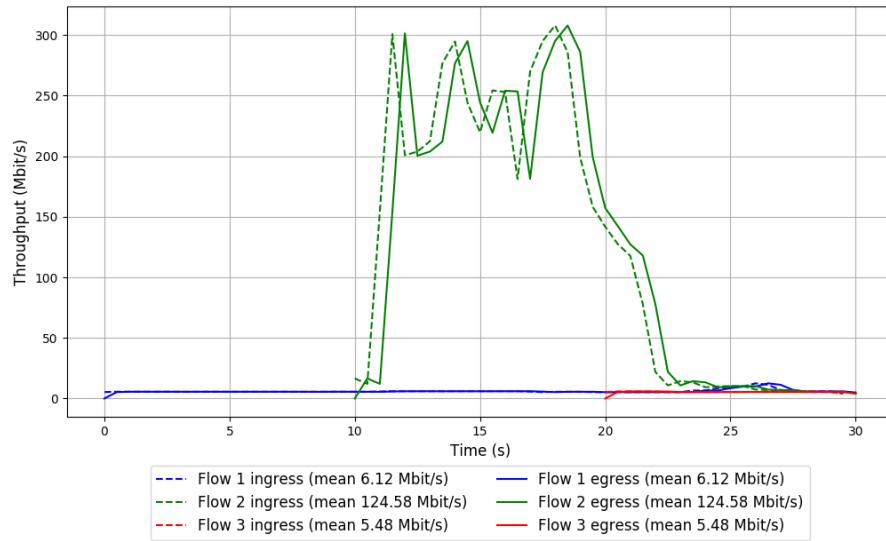


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-12 18:46:42
End at: 2019-07-12 18:47:12
Local clock offset: 7.723 ms
Remote clock offset: 3.165 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.58 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Expr — Data Link

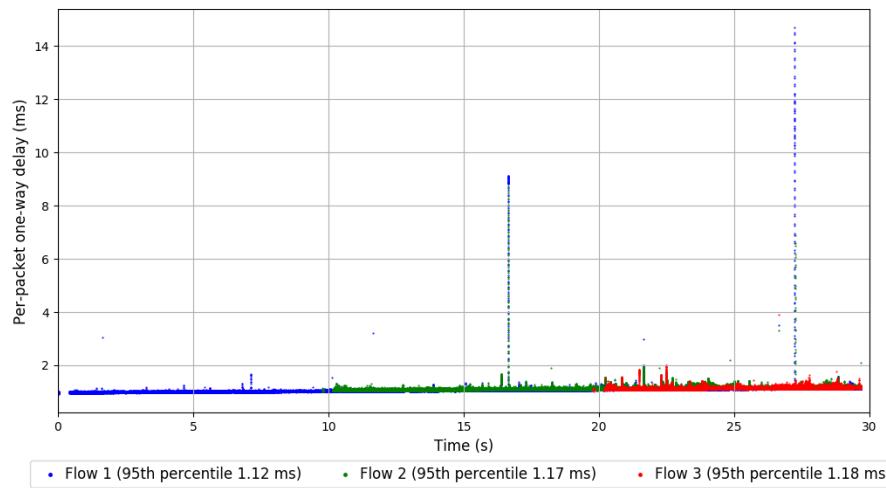
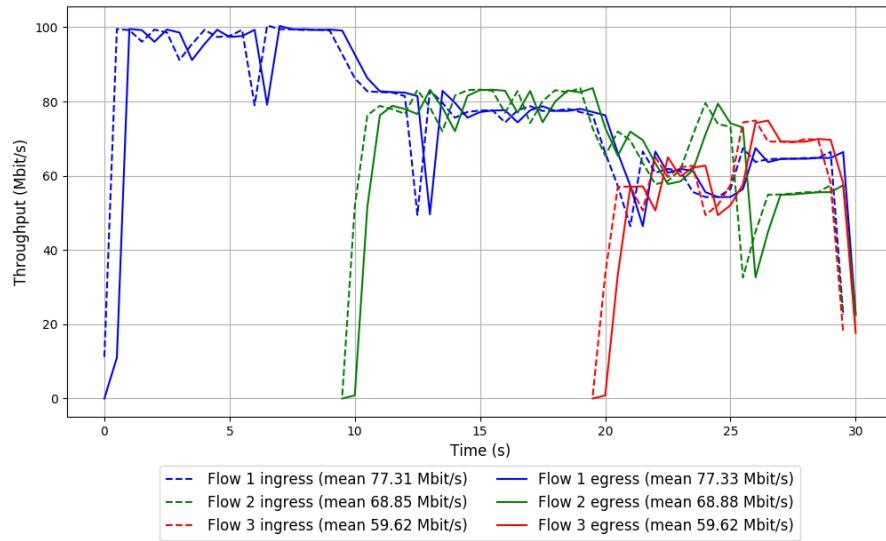


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-12 16:05:02
End at: 2019-07-12 16:05:32
Local clock offset: 6.334 ms
Remote clock offset: 1.165 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.38 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.02%
```

Run 1: Report of QUIC Cubic — Data Link

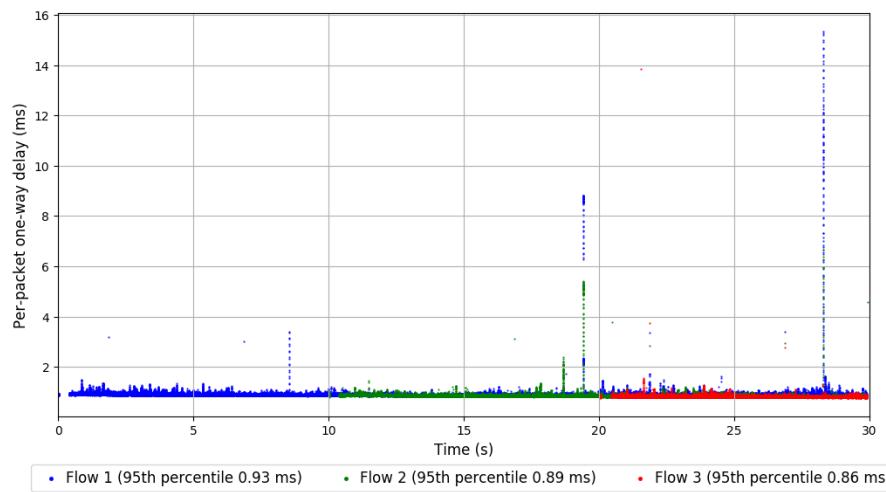
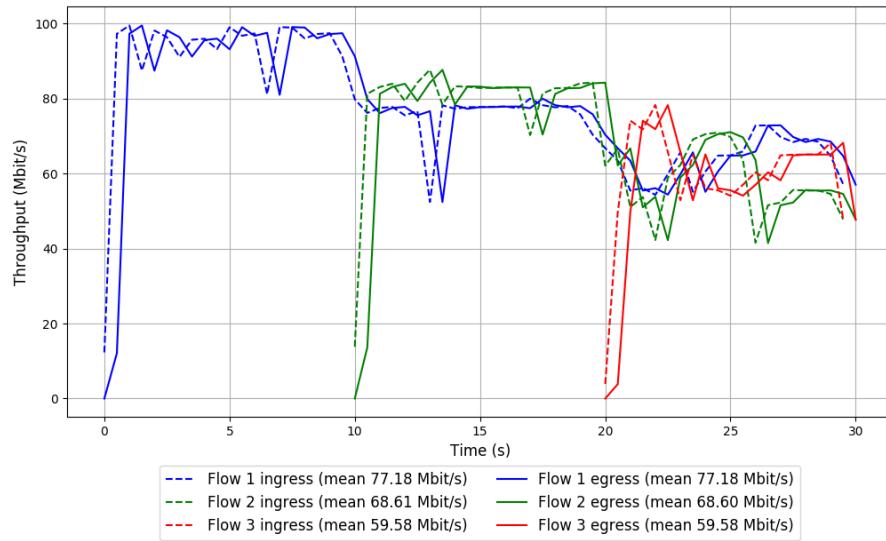


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-12 16:39:18
End at: 2019-07-12 16:39:48
Local clock offset: 6.612 ms
Remote clock offset: 4.563 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.50 Mbit/s
95th percentile per-packet one-way delay: 0.919 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 0.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 0.856 ms
Loss rate: 0.02%
```

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

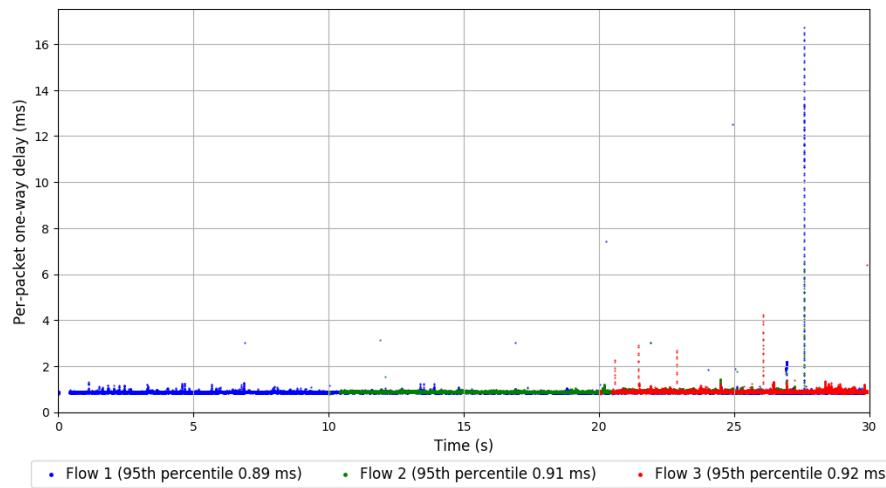
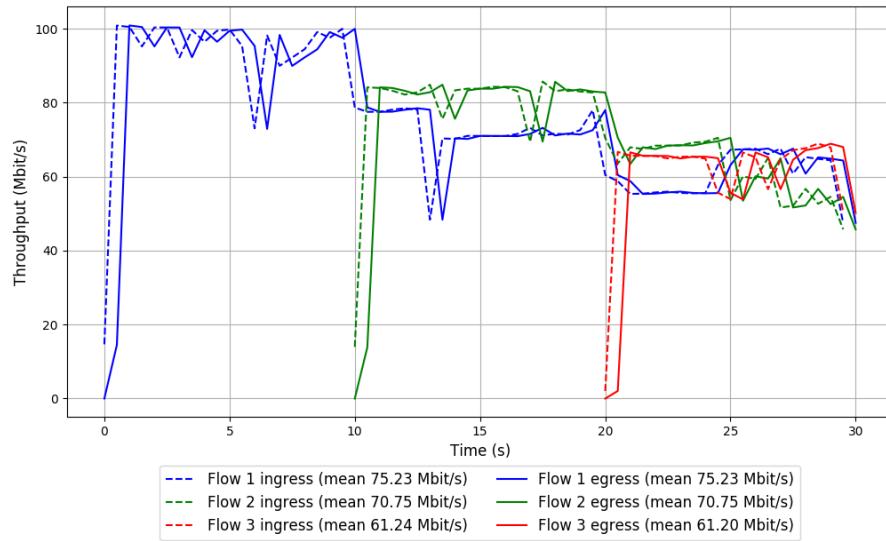


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-12 17:13:40
End at: 2019-07-12 17:14:10
Local clock offset: 6.727 ms
Remote clock offset: 3.255 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.52 Mbit/s
95th percentile per-packet one-way delay: 0.901 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 0.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.75 Mbit/s
95th percentile per-packet one-way delay: 0.909 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 0.916 ms
Loss rate: 0.02%
```

Run 3: Report of QUIC Cubic — Data Link

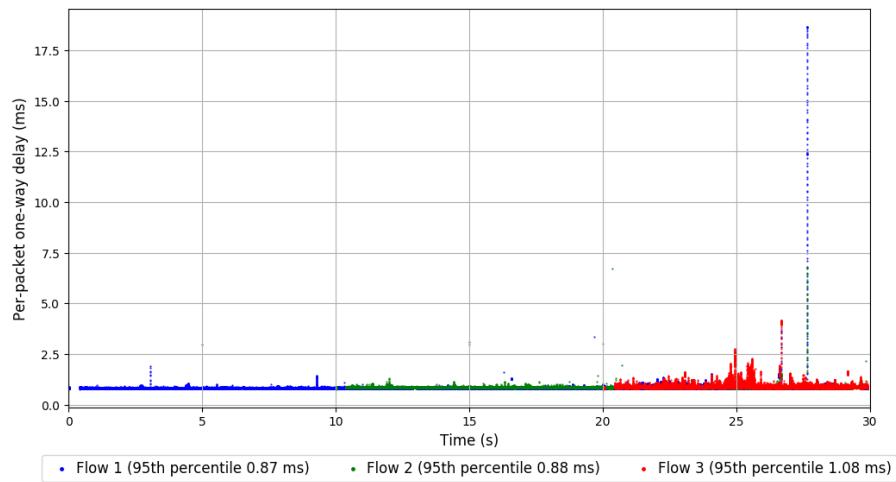
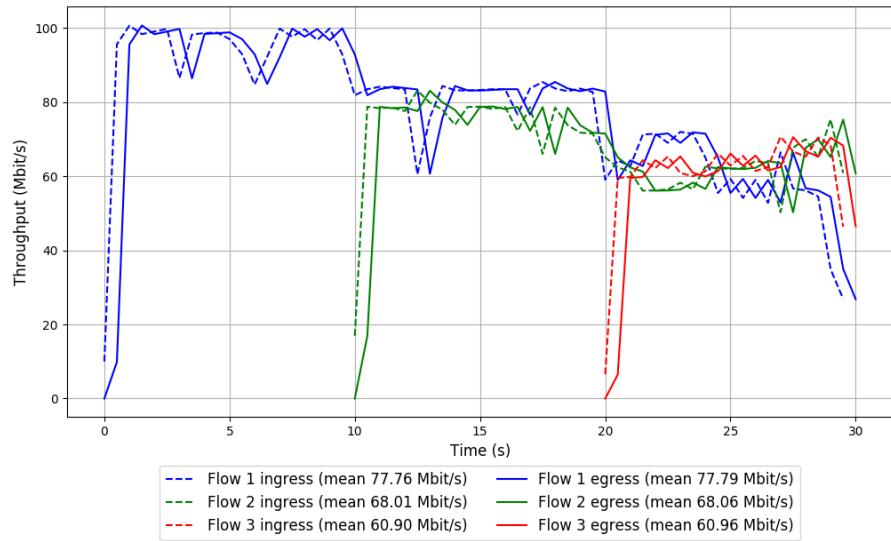


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-12 17:47:56
End at: 2019-07-12 17:48:26
Local clock offset: 6.784 ms
Remote clock offset: 3.379 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.22 Mbit/s
95th percentile per-packet one-way delay: 0.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 0.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

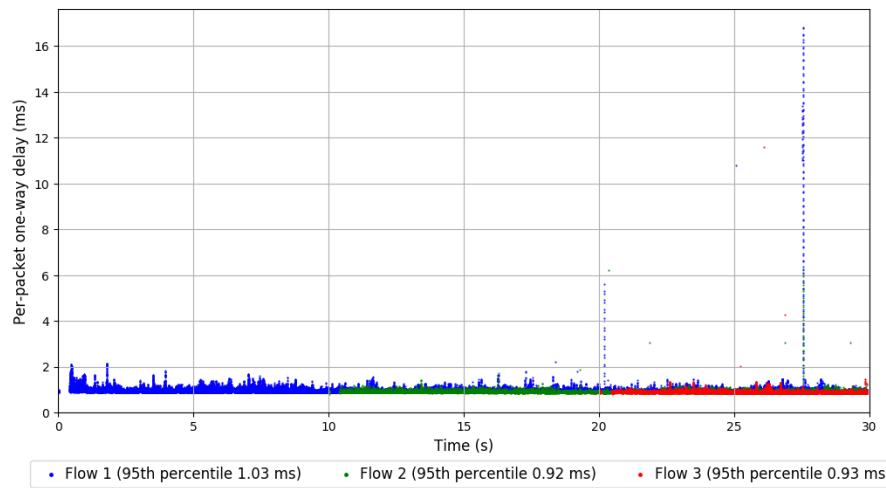
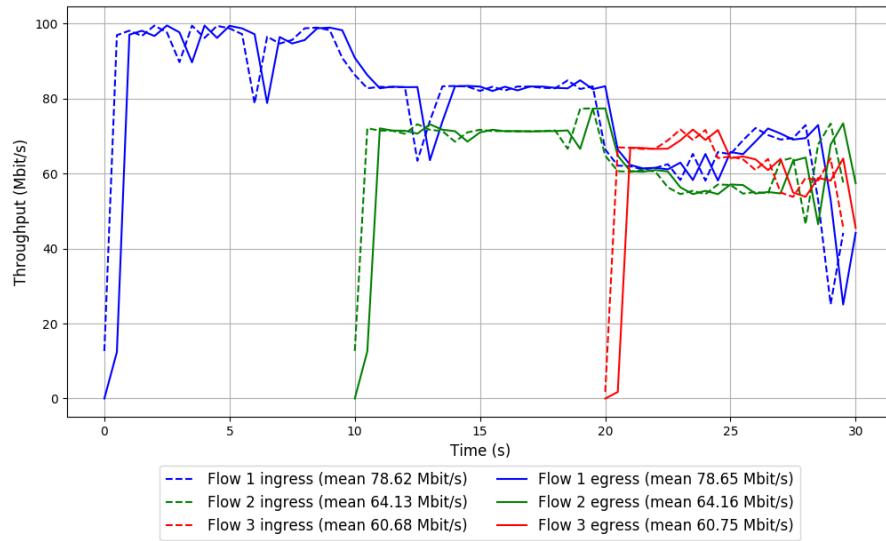


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-12 18:22:19
End at: 2019-07-12 18:22:49
Local clock offset: 7.329 ms
Remote clock offset: 3.407 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.42 Mbit/s
95th percentile per-packet one-way delay: 0.990 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 0.921 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 0.934 ms
Loss rate: 0.02%
```

Run 5: Report of QUIC Cubic — Data Link

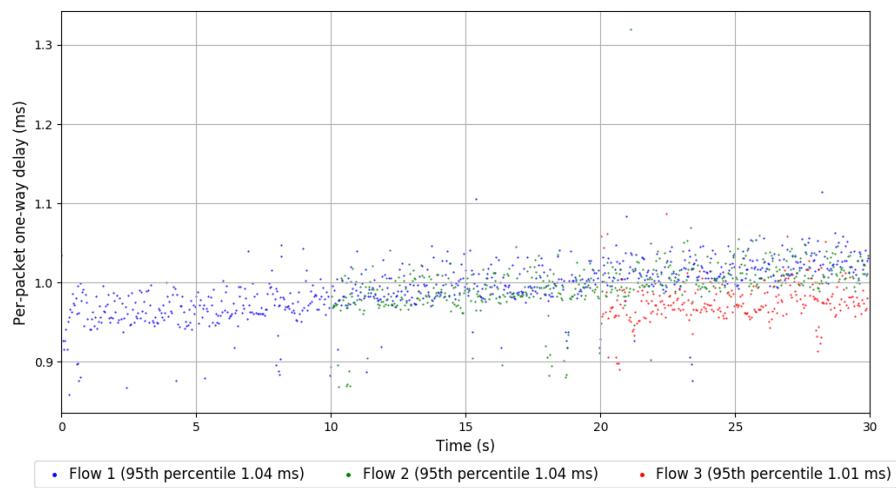
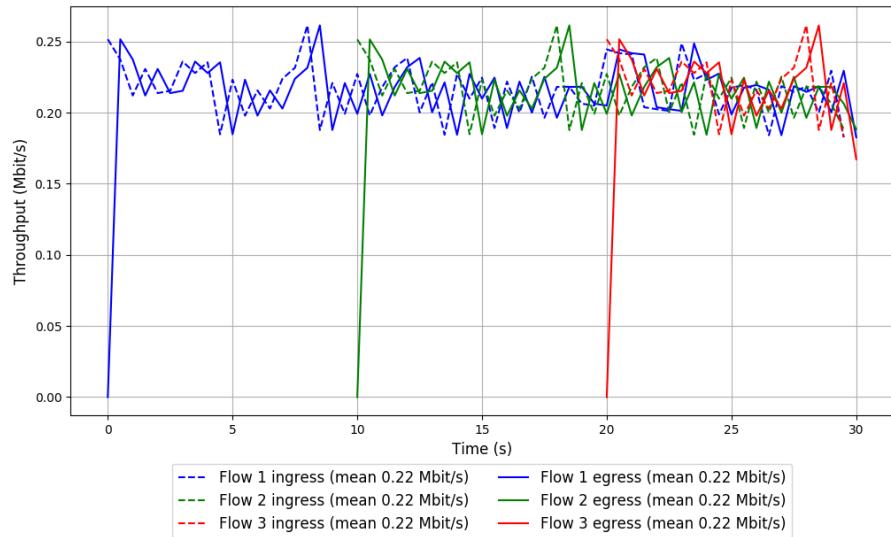


```
Run 1: Statistics of SCReAM

Start at: 2019-07-12 16:18:04
End at: 2019-07-12 16:18:34
Local clock offset: 6.23 ms
Remote clock offset: 3.906 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.35%
```

## Run 1: Report of SCReAM — Data Link

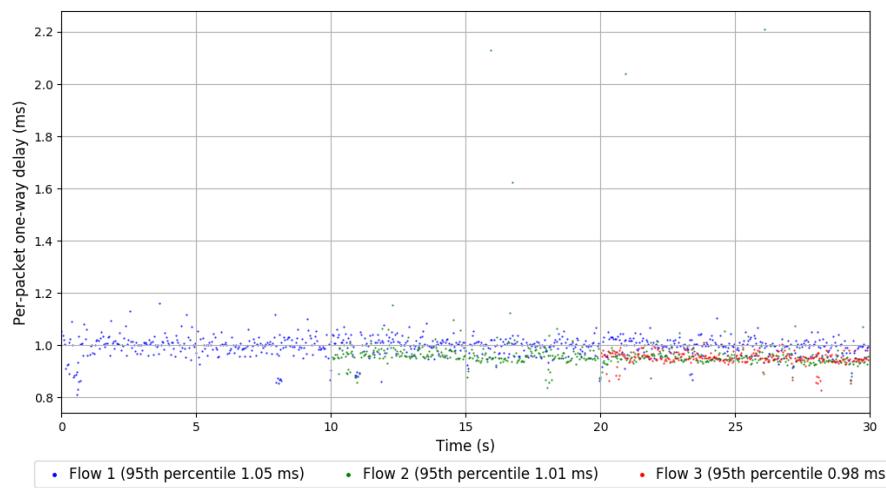
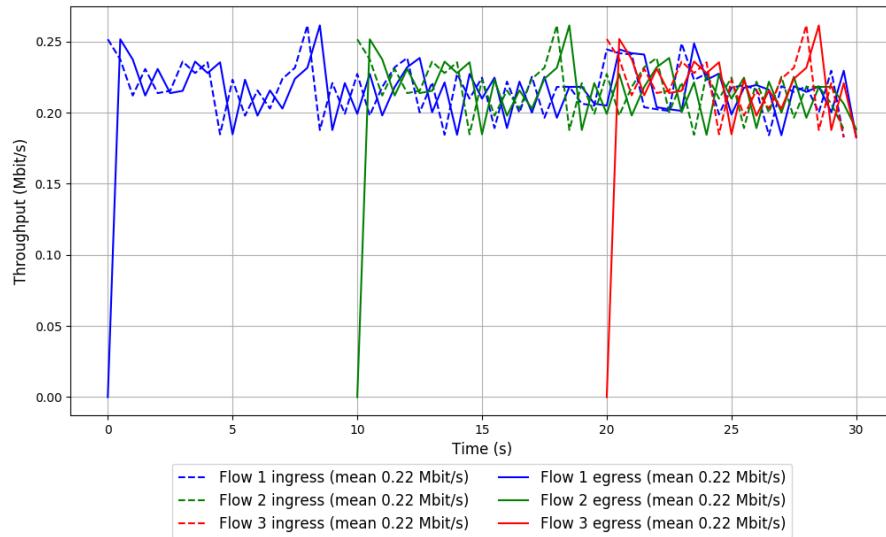


Run 2: Statistics of SCReAM

```
Start at: 2019-07-12 16:52:23
End at: 2019-07-12 16:52:53
Local clock offset: 6.814 ms
Remote clock offset: 3.47 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

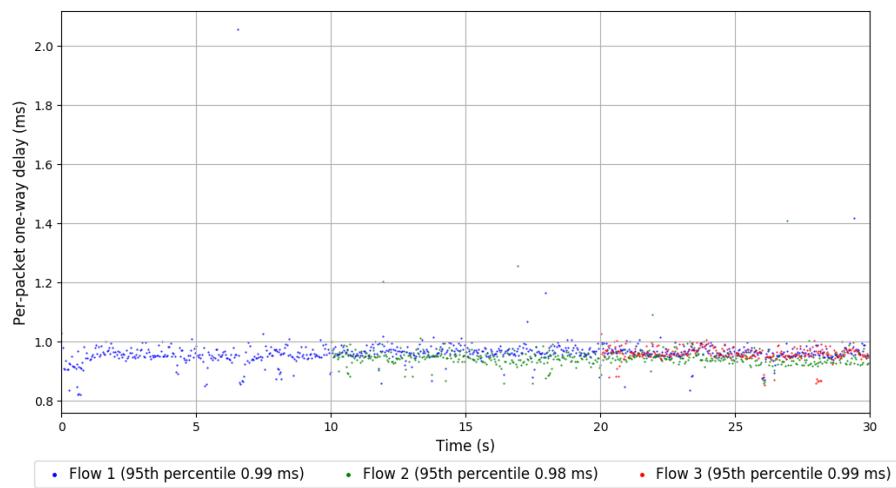
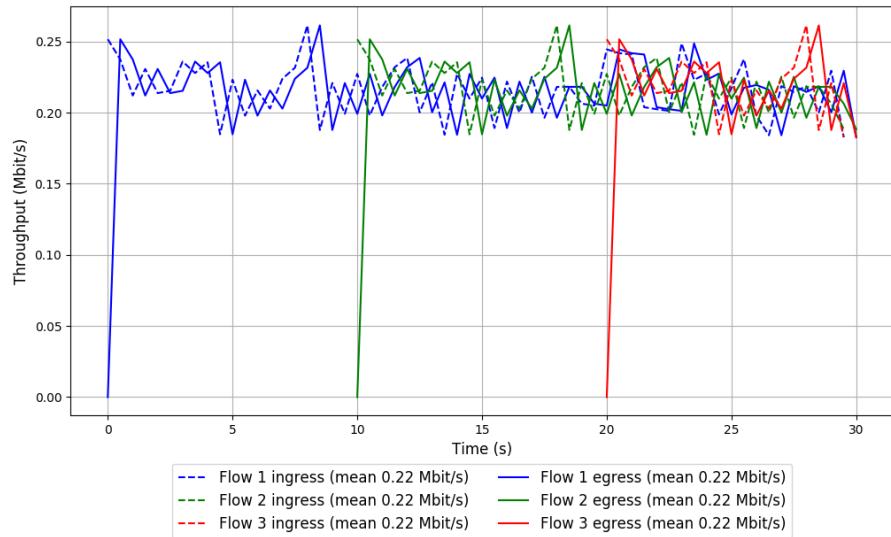


Run 3: Statistics of SCReAM

```
Start at: 2019-07-12 17:26:46
End at: 2019-07-12 17:27:16
Local clock offset: 6.797 ms
Remote clock offset: 3.272 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.00%
```

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

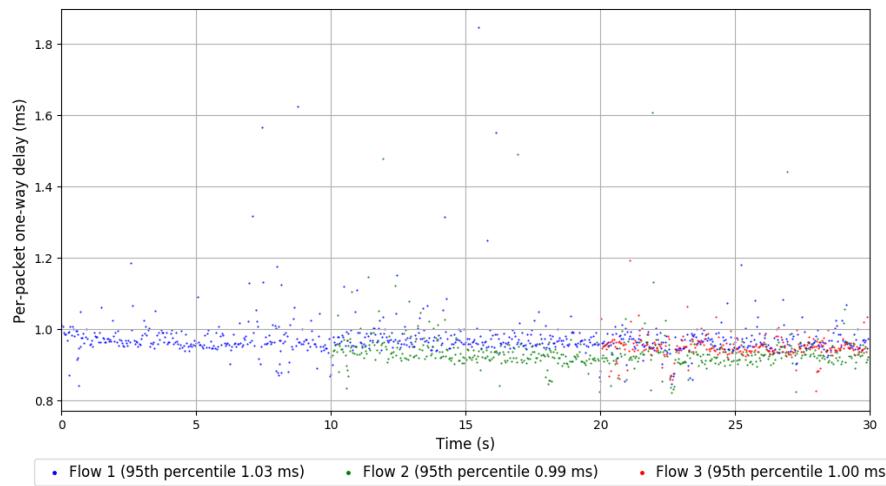
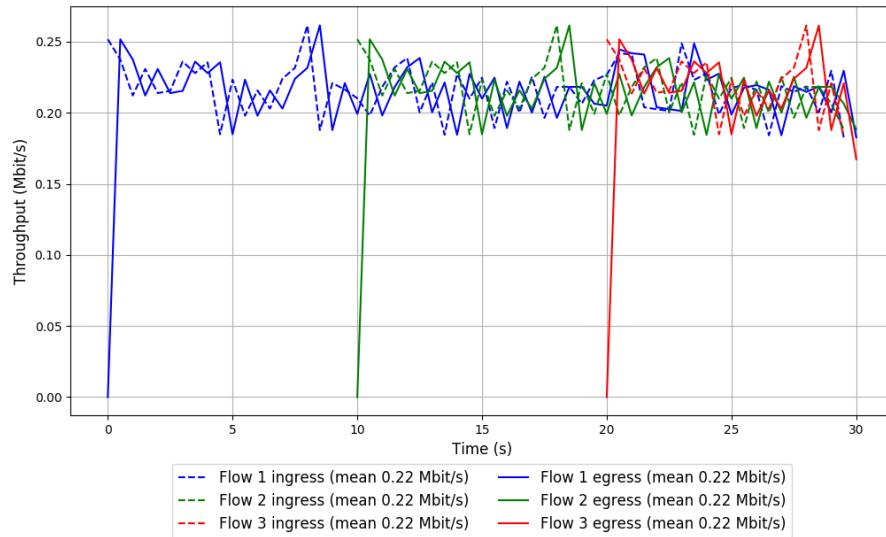


Run 4: Statistics of SCReAM

```
Start at: 2019-07-12 18:01:00
End at: 2019-07-12 18:01:30
Local clock offset: 6.856 ms
Remote clock offset: 3.456 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.35%
```

## Run 4: Report of SCReAM — Data Link

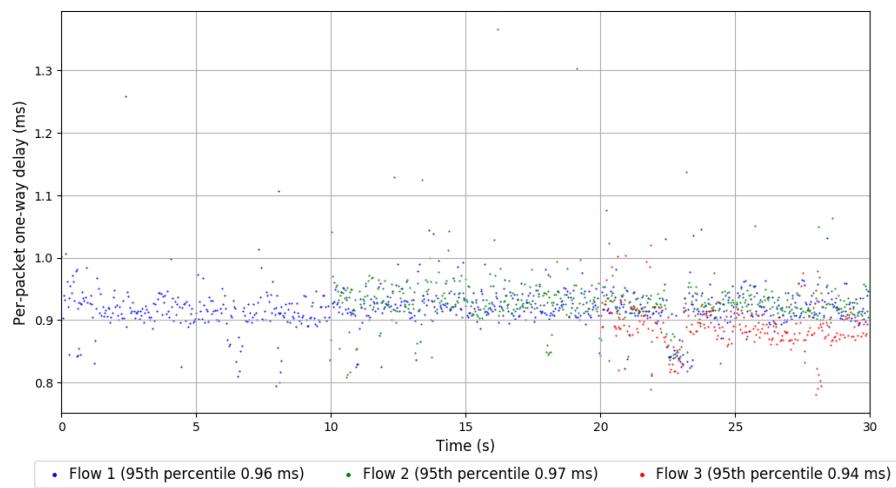
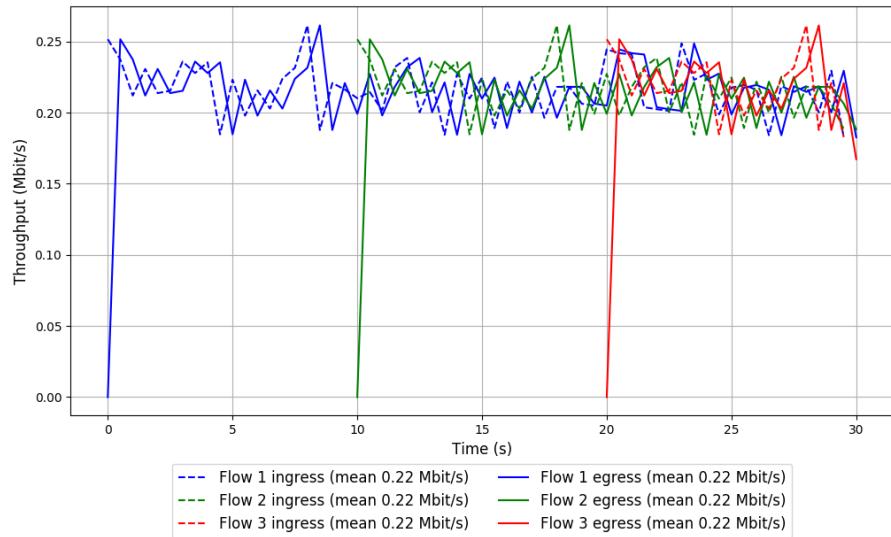


Run 5: Statistics of SCReAM

```
Start at: 2019-07-12 18:35:16
End at: 2019-07-12 18:35:47
Local clock offset: 7.567 ms
Remote clock offset: 3.252 ms

# Below is generated by plot.py at 2019-07-12 19:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 0.964 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 0.35%
```

## Run 5: Report of SCReAM — Data Link

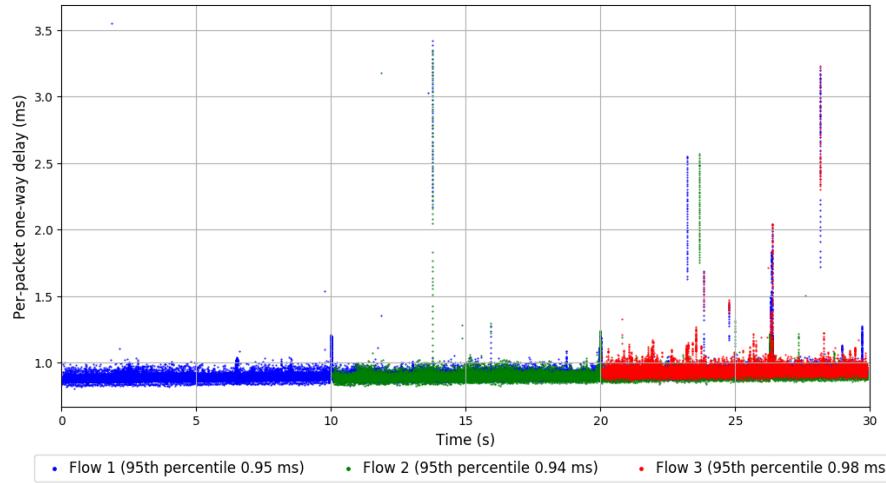
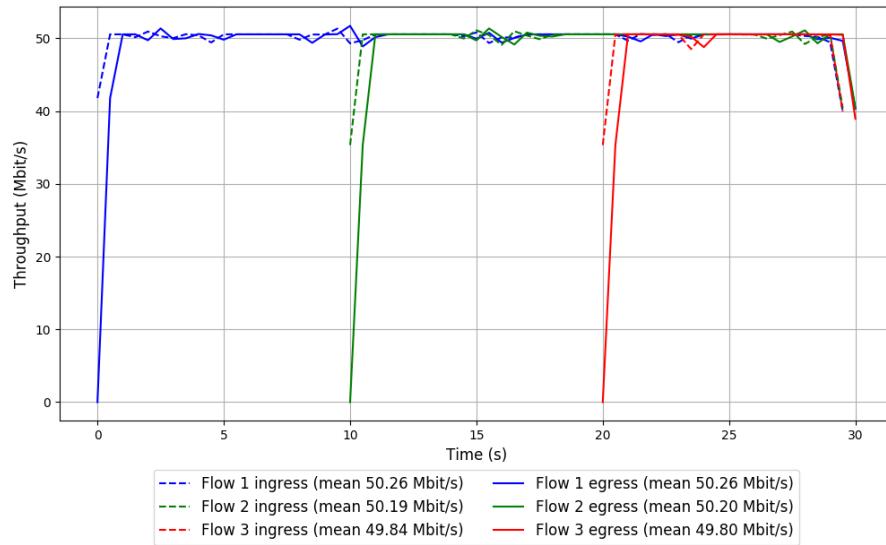


Run 1: Statistics of Sprout

```
Start at: 2019-07-12 16:20:57
End at: 2019-07-12 16:21:27
Local clock offset: 6.21 ms
Remote clock offset: 4.235 ms

# Below is generated by plot.py at 2019-07-12 19:46:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.99 Mbit/s
95th percentile per-packet one-way delay: 0.956 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.10%
```

Run 1: Report of Sprout — Data Link

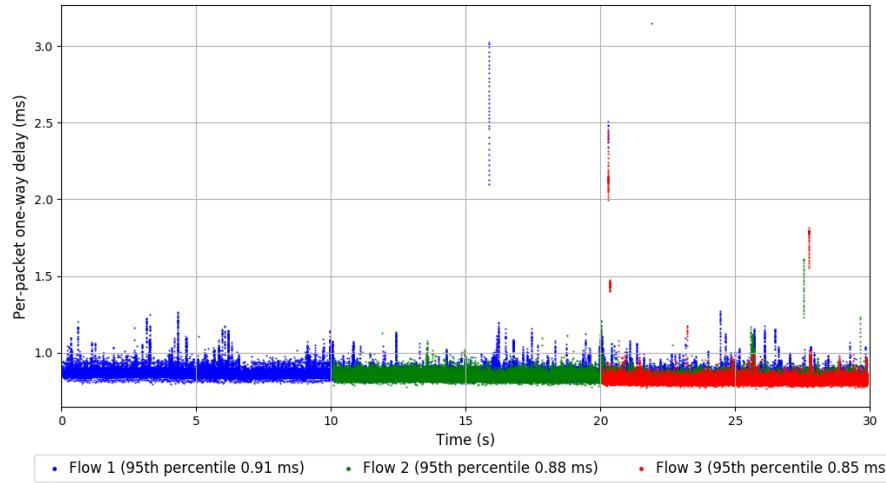
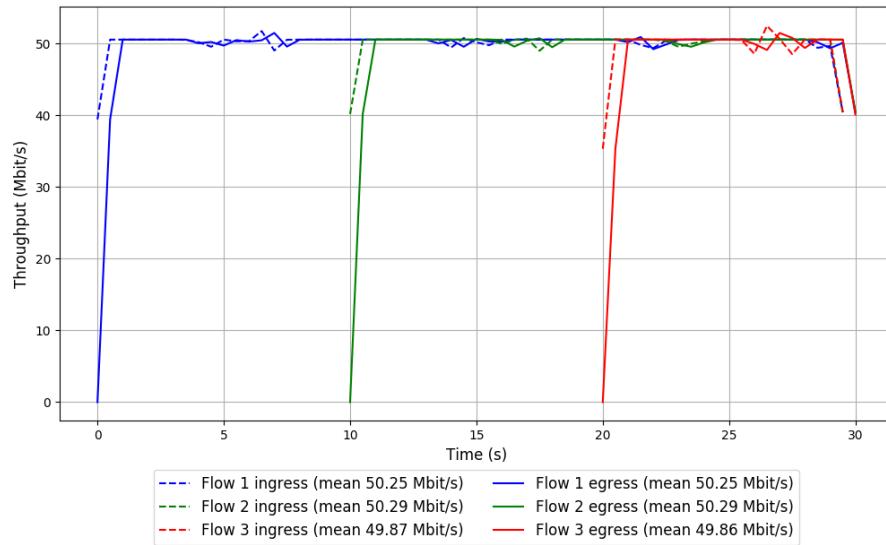


Run 2: Statistics of Sprout

```
Start at: 2019-07-12 16:55:17
End at: 2019-07-12 16:55:47
Local clock offset: 6.853 ms
Remote clock offset: 3.426 ms

# Below is generated by plot.py at 2019-07-12 19:47:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.09 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 0.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 0.852 ms
Loss rate: 0.03%
```

## Run 2: Report of Sprout — Data Link

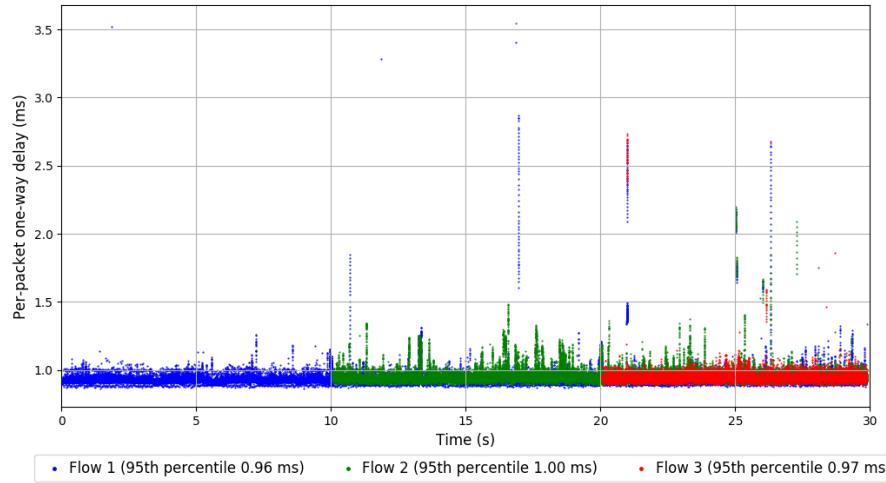
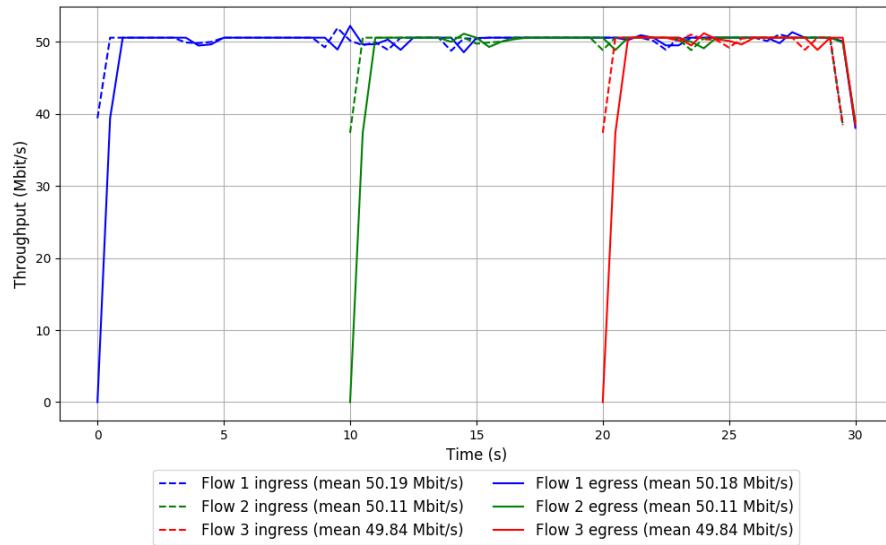


Run 3: Statistics of Sprout

```
Start at: 2019-07-12 17:29:40
End at: 2019-07-12 17:30:10
Local clock offset: 6.773 ms
Remote clock offset: 3.208 ms

# Below is generated by plot.py at 2019-07-12 19:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.92 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 0.975 ms
Loss rate: 0.00%
```

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

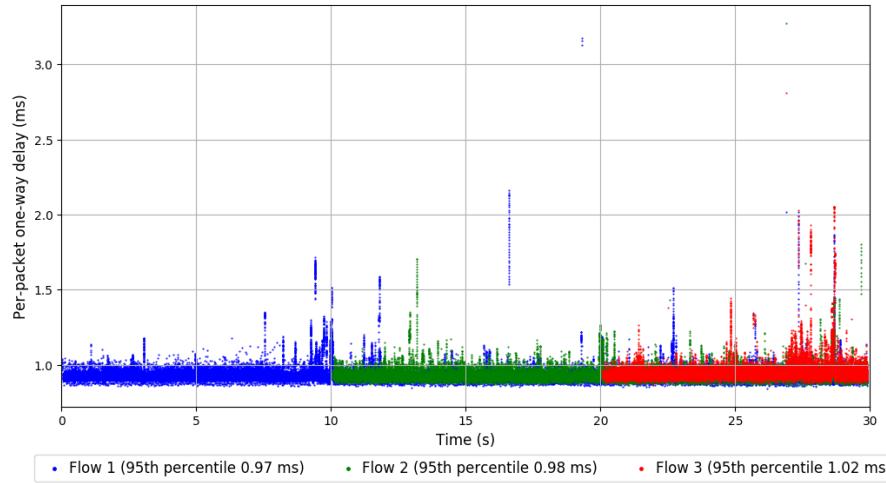
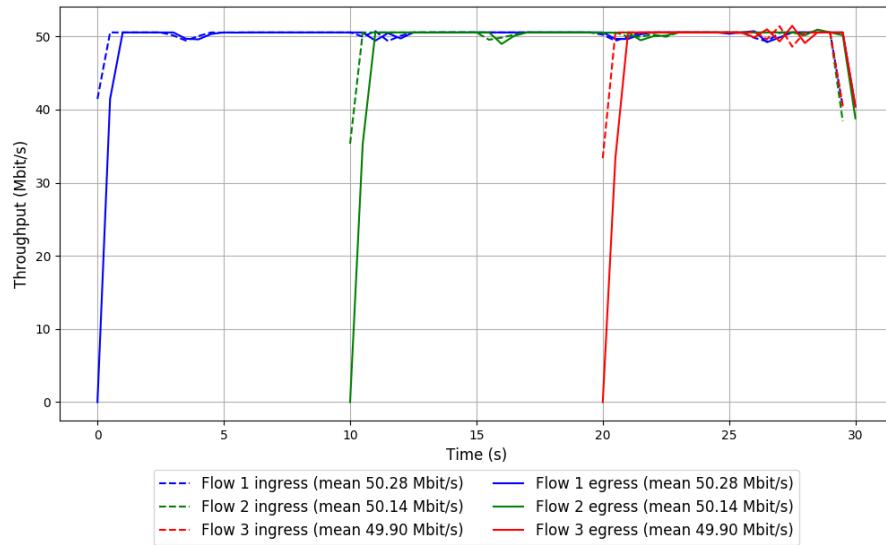


Run 4: Statistics of Sprout

```
Start at: 2019-07-12 18:03:54
End at: 2019-07-12 18:04:24
Local clock offset: 6.991 ms
Remote clock offset: 3.458 ms

# Below is generated by plot.py at 2019-07-12 19:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.00 Mbit/s
95th percentile per-packet one-way delay: 0.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

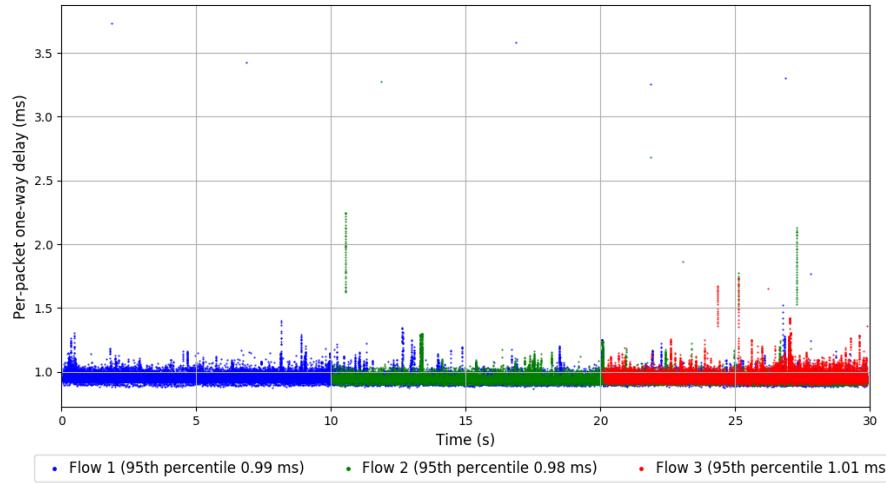
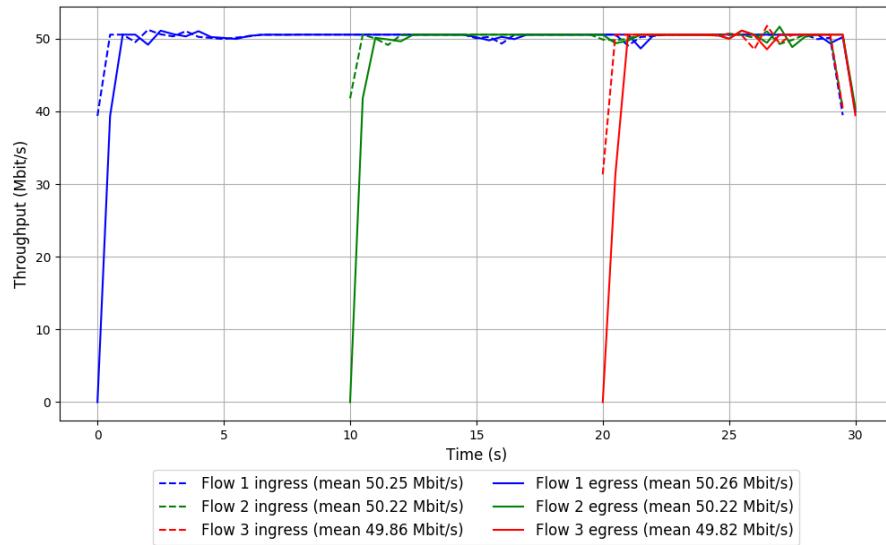


Run 5: Statistics of Sprout

```
Start at: 2019-07-12 18:38:10
End at: 2019-07-12 18:38:40
Local clock offset: 7.621 ms
Remote clock offset: 3.142 ms

# Below is generated by plot.py at 2019-07-12 19:47:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.00 Mbit/s
95th percentile per-packet one-way delay: 0.990 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.10%
```

## Run 5: Report of Sprout — Data Link

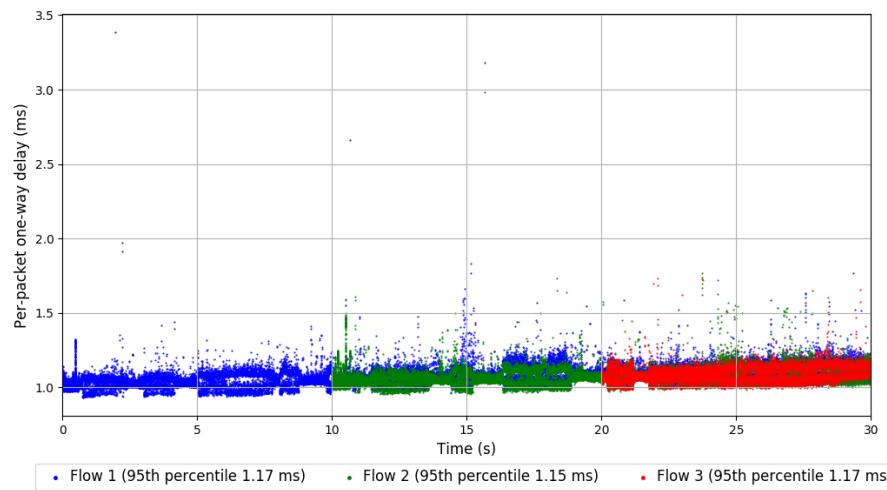
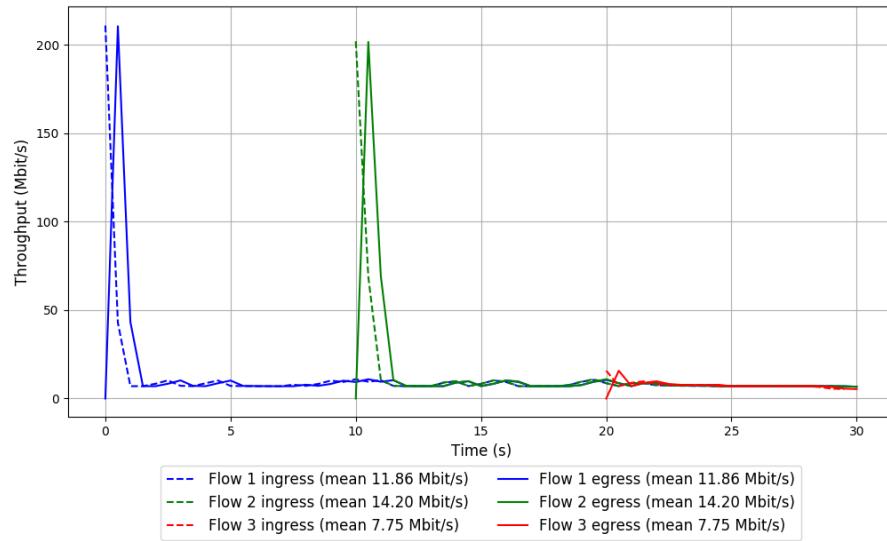


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-12 16:11:02
End at: 2019-07-12 16:11:32
Local clock offset: 6.261 ms
Remote clock offset: 2.624 ms

# Below is generated by plot.py at 2019-07-12 19:47:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.02%
```

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

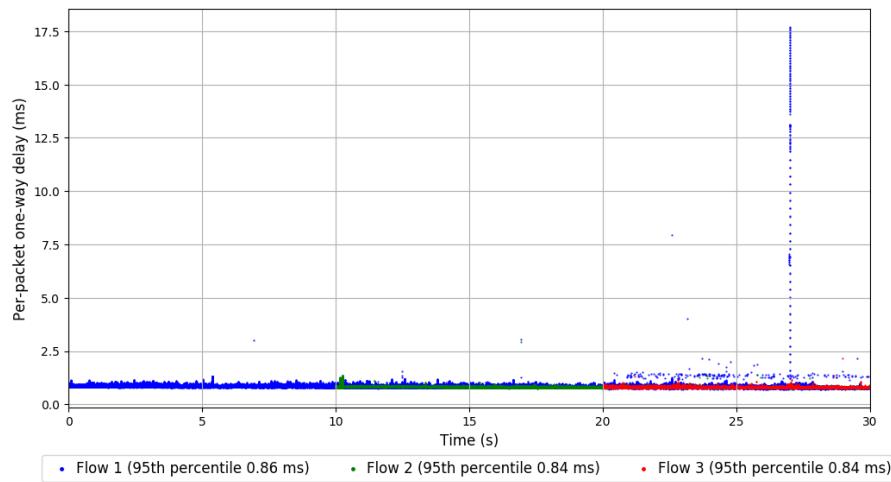
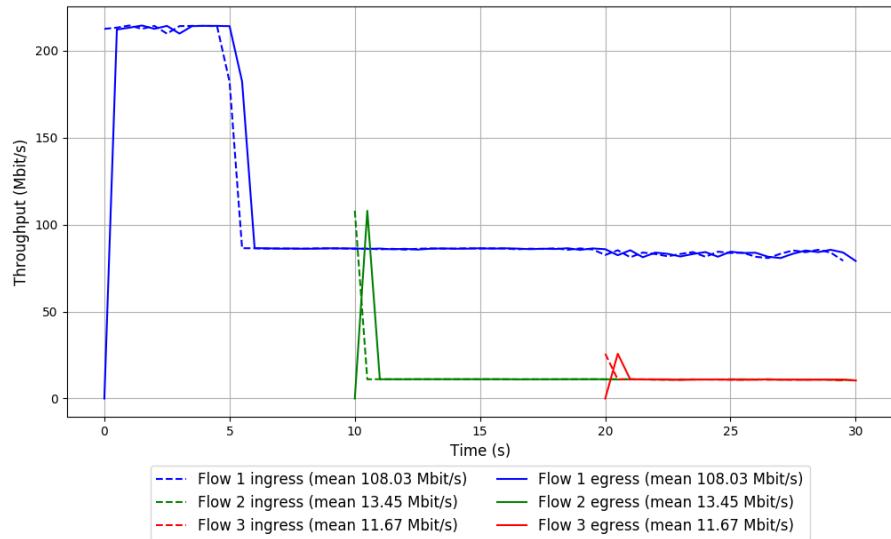


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-12 16:45:16
End at: 2019-07-12 16:45:46
Local clock offset: 6.719 ms
Remote clock offset: 3.866 ms

# Below is generated by plot.py at 2019-07-12 19:48:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.87 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.03 Mbit/s
95th percentile per-packet one-way delay: 0.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 0.845 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 0.844 ms
Loss rate: 0.01%
```

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

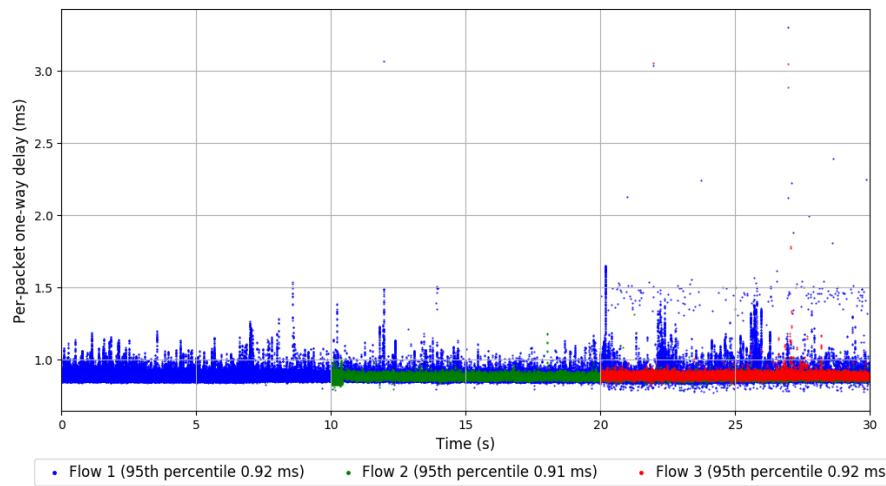
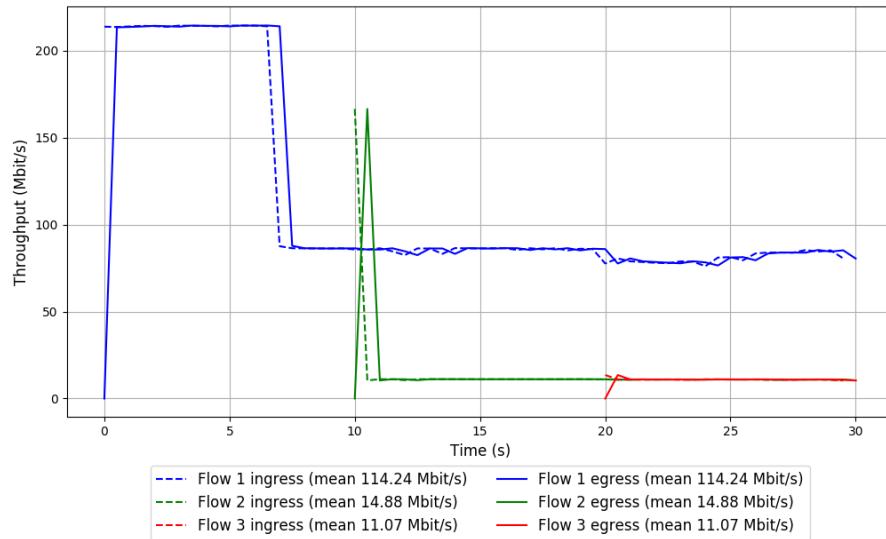


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-12 17:19:39
End at: 2019-07-12 17:20:09
Local clock offset: 6.733 ms
Remote clock offset: 3.205 ms

# Below is generated by plot.py at 2019-07-12 19:49:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.83 Mbit/s
95th percentile per-packet one-way delay: 0.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.24 Mbit/s
95th percentile per-packet one-way delay: 0.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 0.905 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.01%
```

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

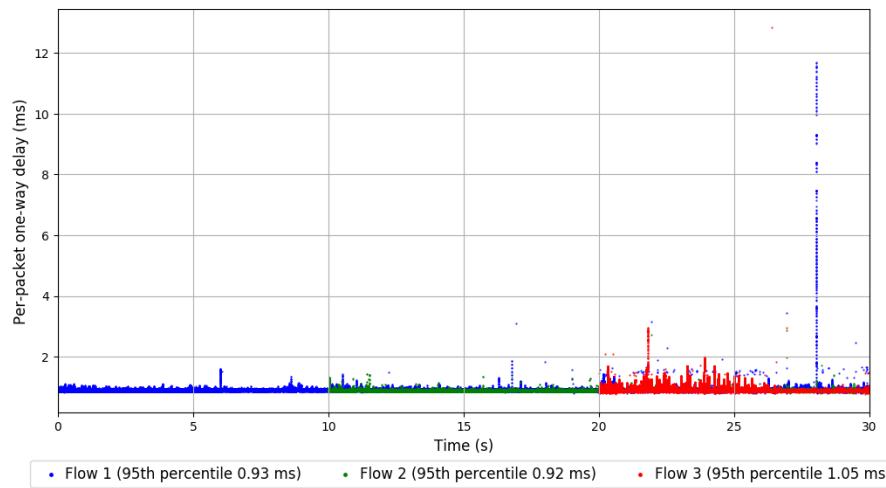
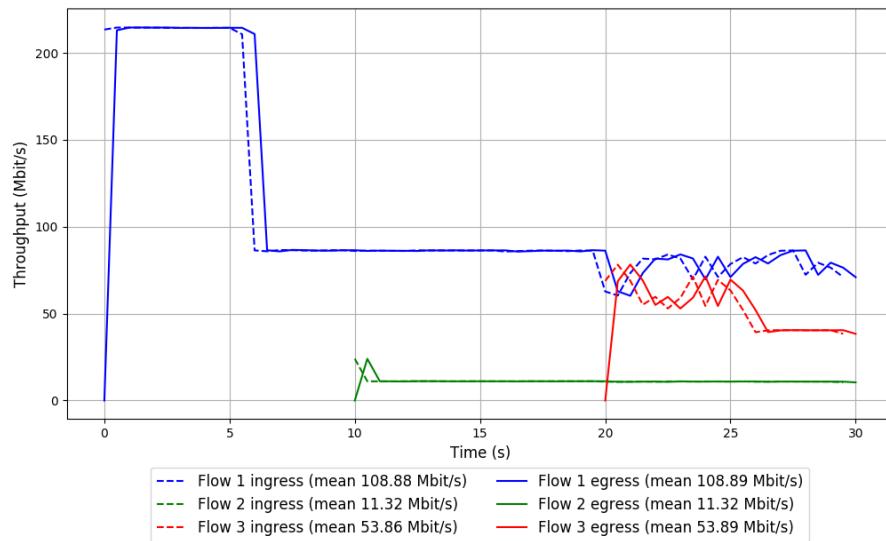


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-12 17:53:57
End at: 2019-07-12 17:54:27
Local clock offset: 6.753 ms
Remote clock offset: 3.347 ms

# Below is generated by plot.py at 2019-07-12 19:49:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 134.34 Mbit/s
95th percentile per-packet one-way delay: 0.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 108.89 Mbit/s
95th percentile per-packet one-way delay: 0.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 0.921 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.01%
```

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

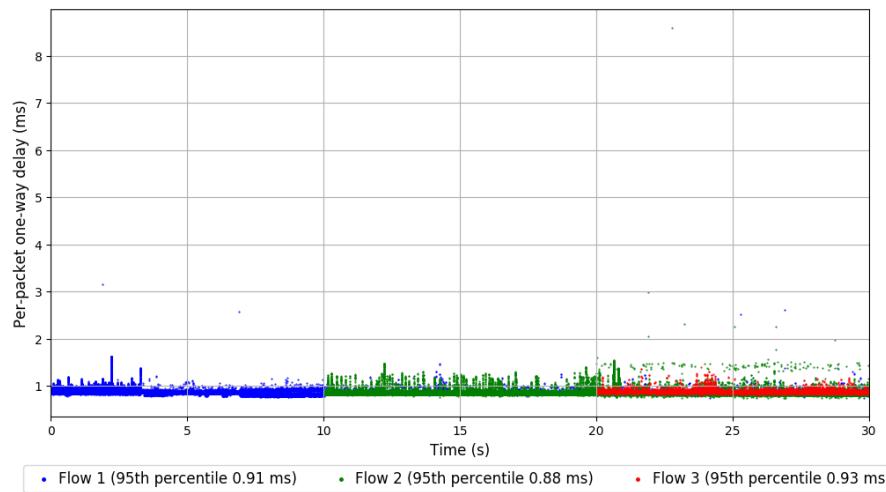
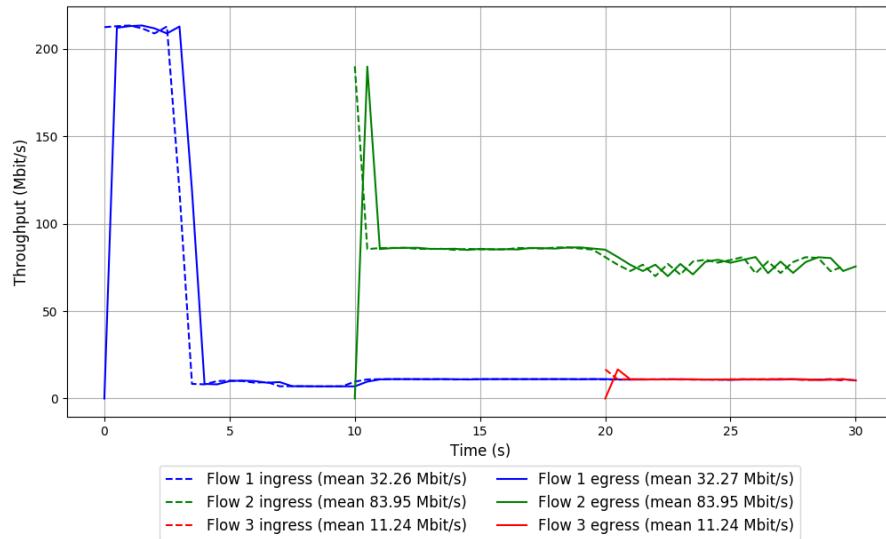


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-12 18:28:18
End at: 2019-07-12 18:28:48
Local clock offset: 7.361 ms
Remote clock offset: 3.258 ms

# Below is generated by plot.py at 2019-07-12 19:49:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 0.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 0.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 0.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.01%
```

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

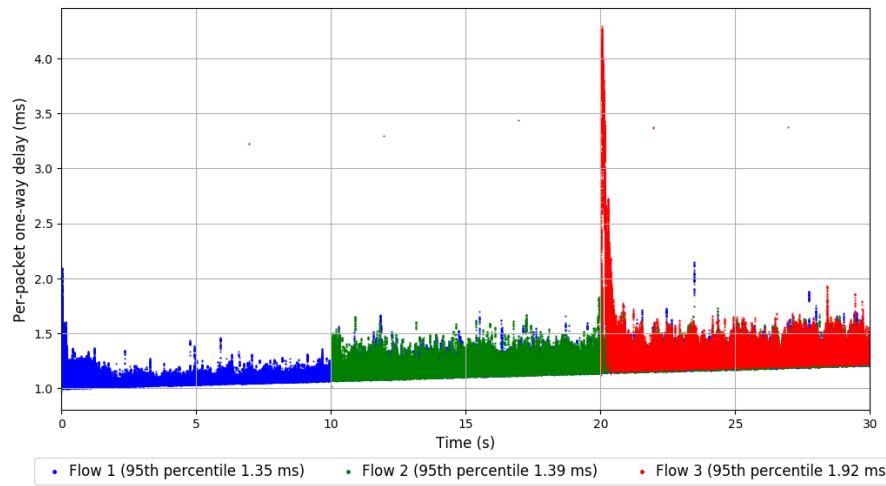
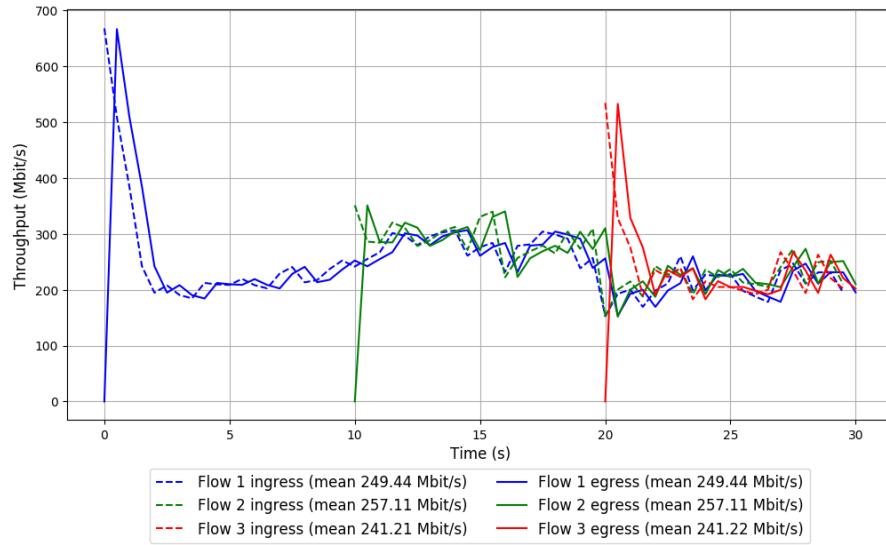


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-12 16:02:03
End at: 2019-07-12 16:02:33
Local clock offset: 6.391 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2019-07-12 19:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.84 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 249.44 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 257.11 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 241.22 Mbit/s
95th percentile per-packet one-way delay: 1.923 ms
Loss rate: 0.01%
```

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

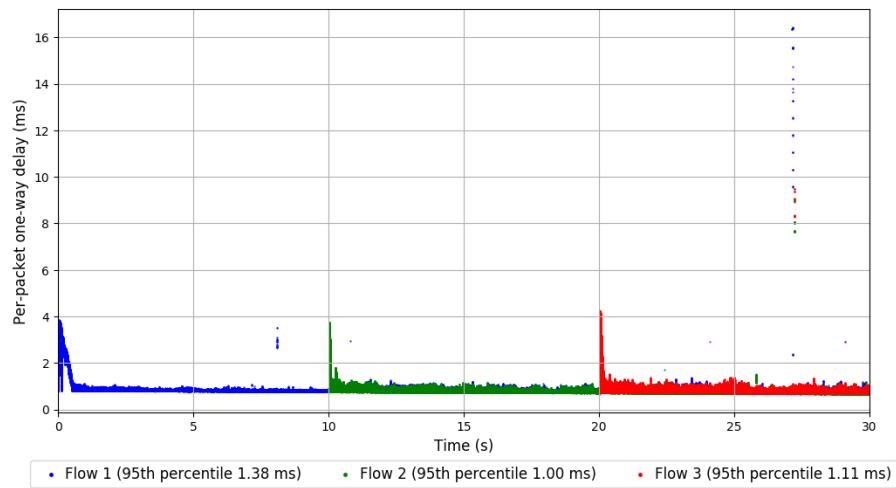
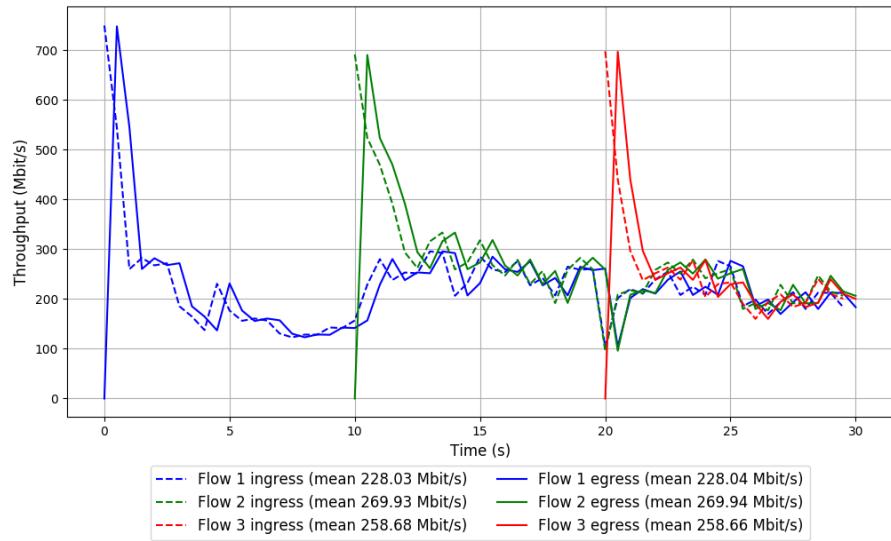


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-12 16:36:19
End at: 2019-07-12 16:36:49
Local clock offset: 6.534 ms
Remote clock offset: 5.27 ms

# Below is generated by plot.py at 2019-07-12 19:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.77 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 228.04 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 269.94 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 258.66 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.01%
```

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

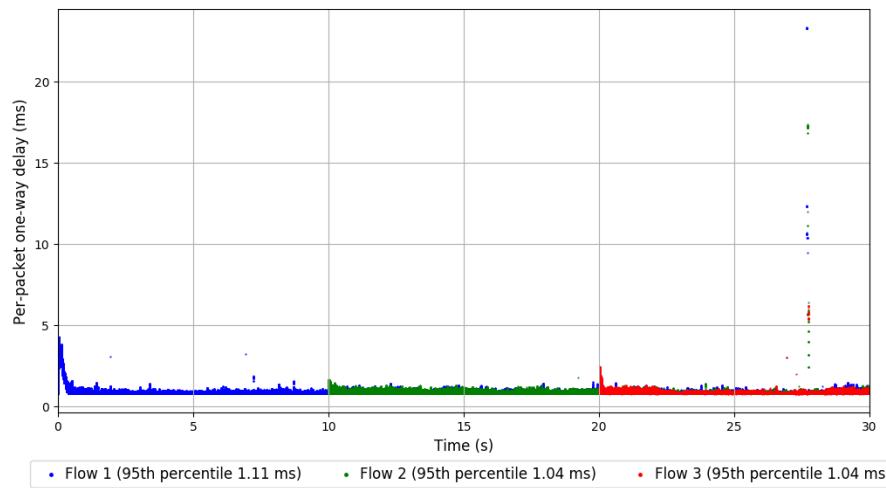
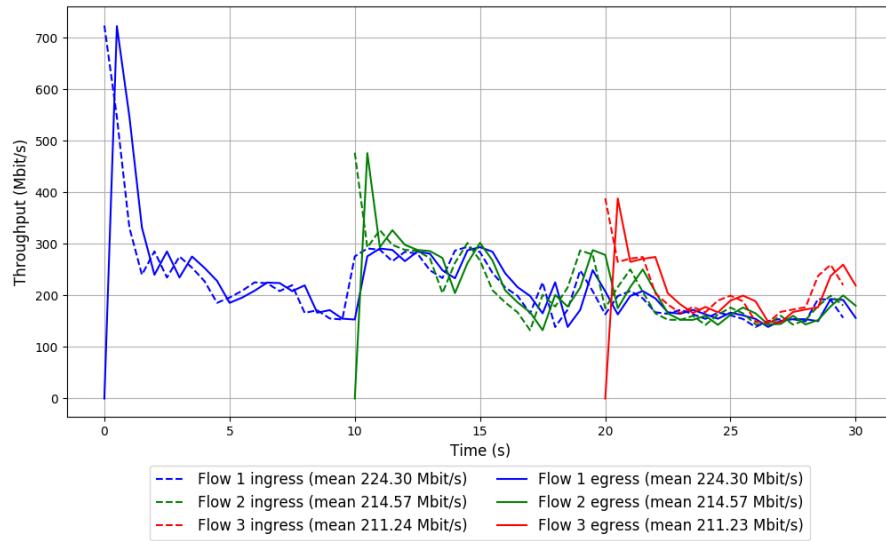


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-12 17:10:42
End at: 2019-07-12 17:11:12
Local clock offset: 6.733 ms
Remote clock offset: 3.359 ms

# Below is generated by plot.py at 2019-07-12 19:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.46 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 224.30 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 214.57 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 211.23 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.03%
```

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

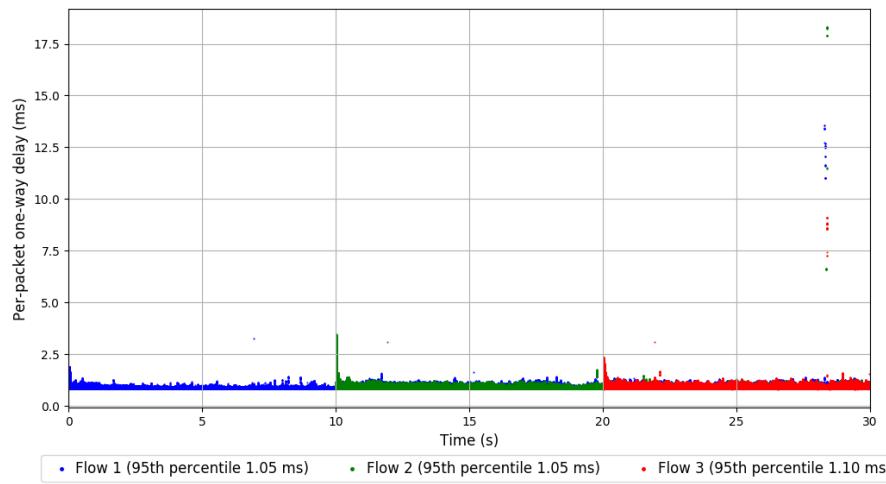
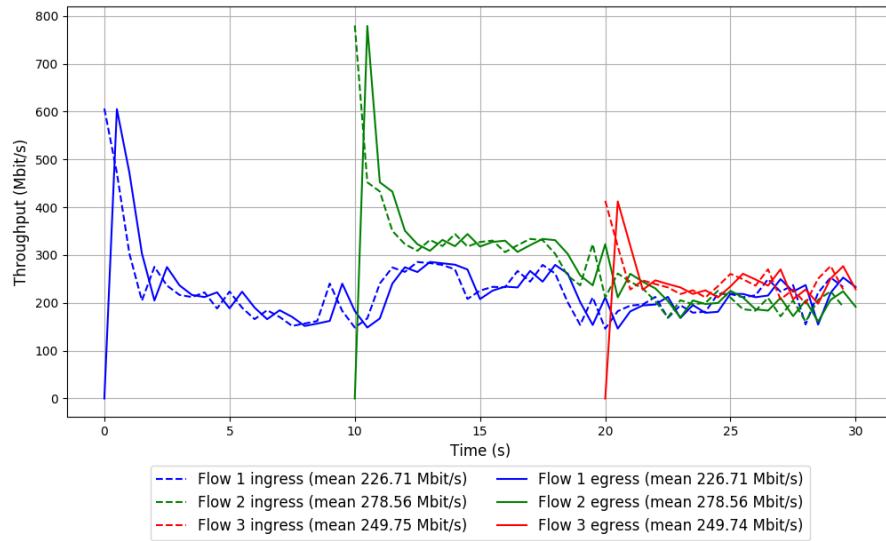


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-12 17:44:55
End at: 2019-07-12 17:45:25
Local clock offset: 6.79 ms
Remote clock offset: 3.418 ms

# Below is generated by plot.py at 2019-07-12 19:53:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 495.28 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 226.71 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 278.56 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 249.74 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.02%
```

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

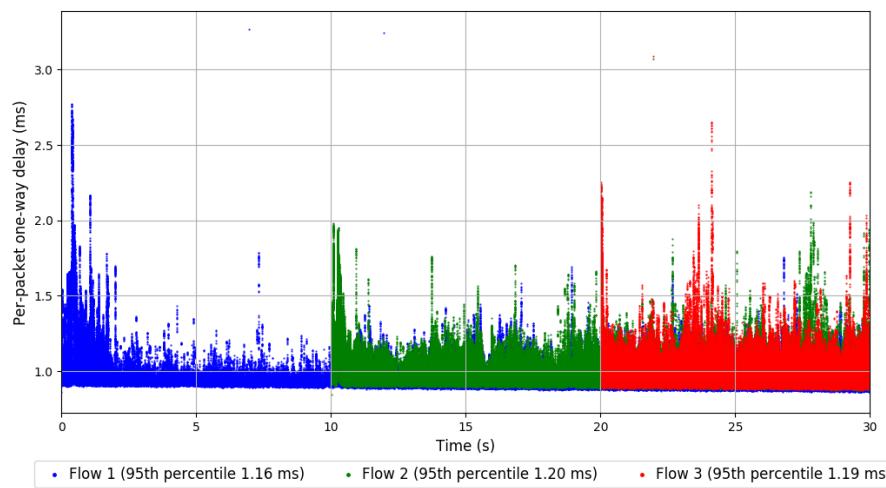
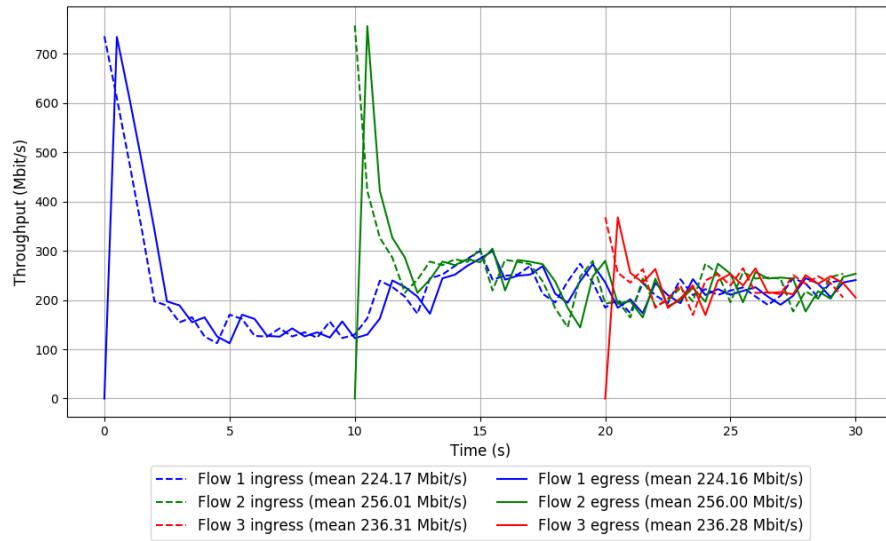


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-12 18:19:21
End at: 2019-07-12 18:19:51
Local clock offset: 7.292 ms
Remote clock offset: 3.562 ms

# Below is generated by plot.py at 2019-07-12 19:54:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.05 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 224.16 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 256.00 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 236.28 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

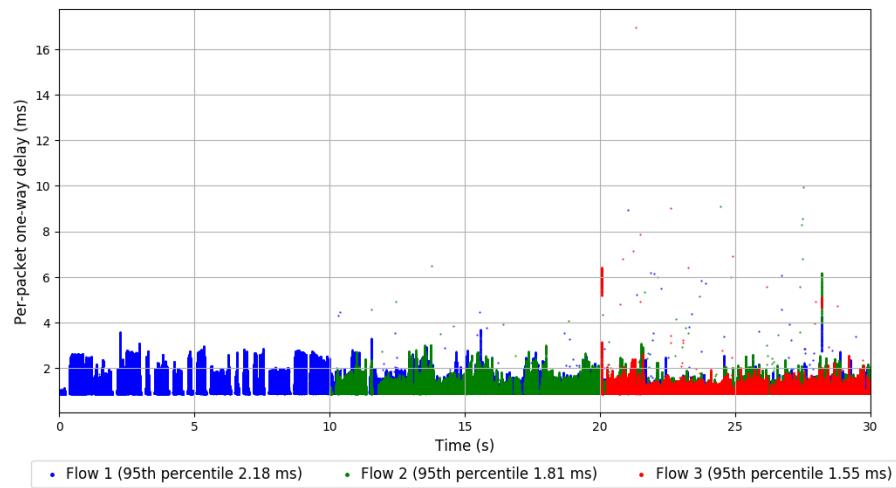
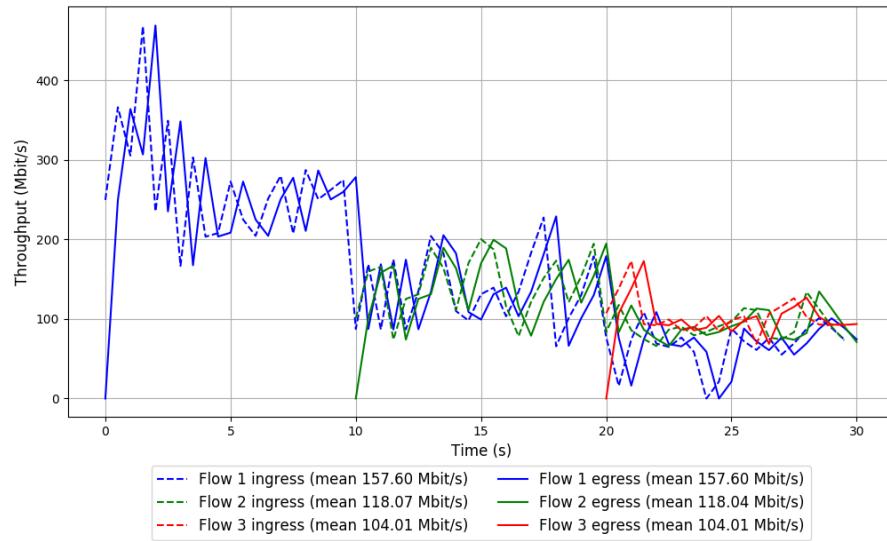


Run 1: Statistics of Verus

```
Start at: 2019-07-12 16:23:28
End at: 2019-07-12 16:23:58
Local clock offset: 6.237 ms
Remote clock offset: 4.504 ms

# Below is generated by plot.py at 2019-07-12 19:54:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.61 Mbit/s
95th percentile per-packet one-way delay: 2.044 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 157.60 Mbit/s
95th percentile per-packet one-way delay: 2.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.04 Mbit/s
95th percentile per-packet one-way delay: 1.815 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 104.01 Mbit/s
95th percentile per-packet one-way delay: 1.552 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

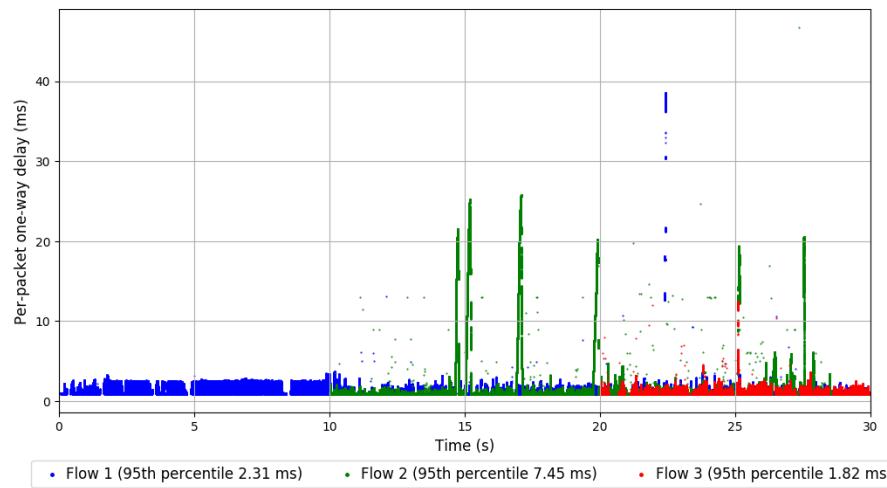
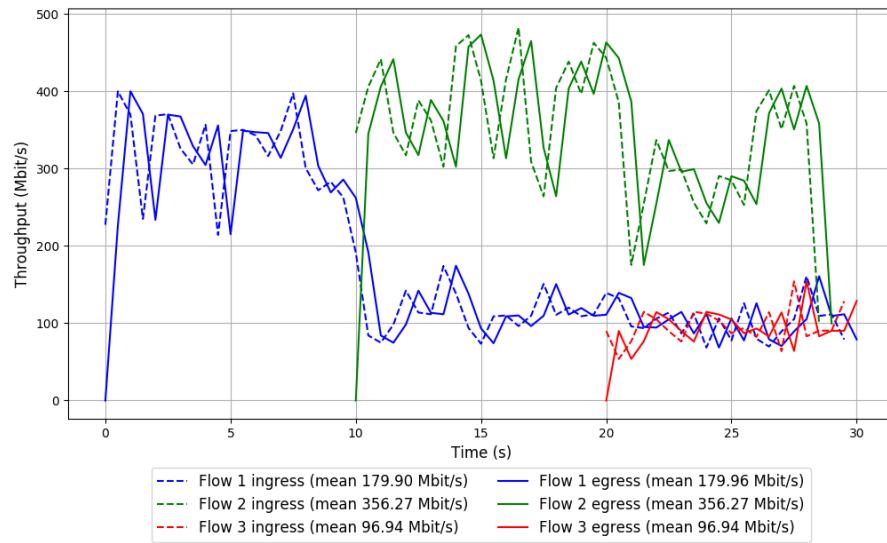


Run 2: Statistics of Verus

```
Start at: 2019-07-12 16:57:49
End at: 2019-07-12 16:58:19
Local clock offset: 6.873 ms
Remote clock offset: 3.272 ms

# Below is generated by plot.py at 2019-07-12 19:54:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.04 Mbit/s
95th percentile per-packet one-way delay: 2.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.96 Mbit/s
95th percentile per-packet one-way delay: 2.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 356.27 Mbit/s
95th percentile per-packet one-way delay: 7.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 1.819 ms
Loss rate: 0.00%
```

## Run 2: Report of Verus — Data Link

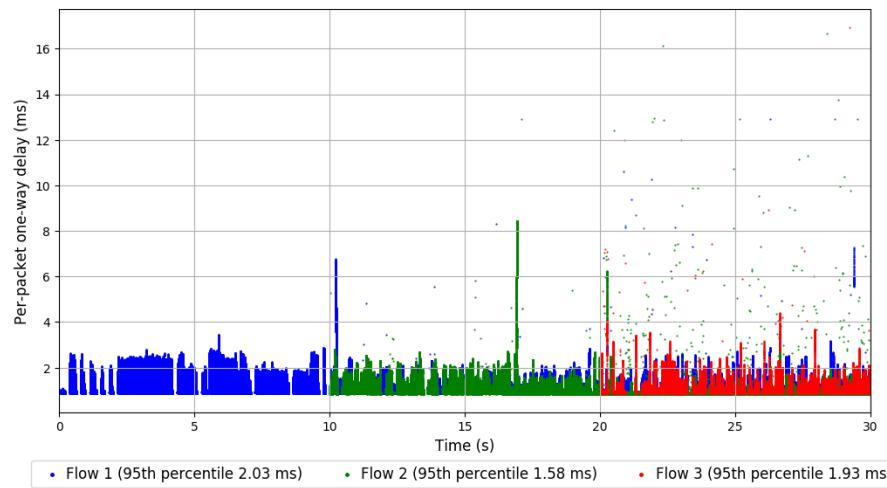
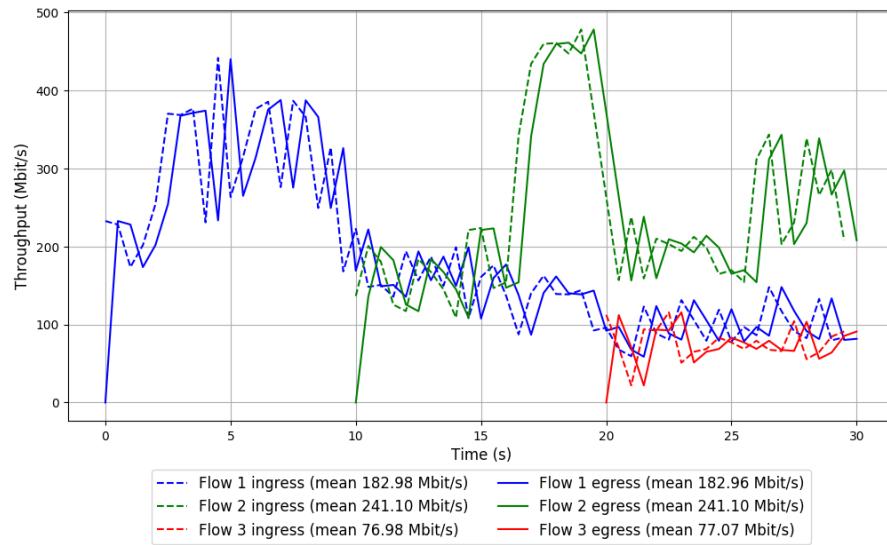


Run 3: Statistics of Verus

```
Start at: 2019-07-12 17:32:11
End at: 2019-07-12 17:32:41
Local clock offset: 6.798 ms
Remote clock offset: 3.279 ms

# Below is generated by plot.py at 2019-07-12 19:54:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.16 Mbit/s
95th percentile per-packet one-way delay: 1.893 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 182.96 Mbit/s
95th percentile per-packet one-way delay: 2.030 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 241.10 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 1.933 ms
Loss rate: 0.00%
```

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

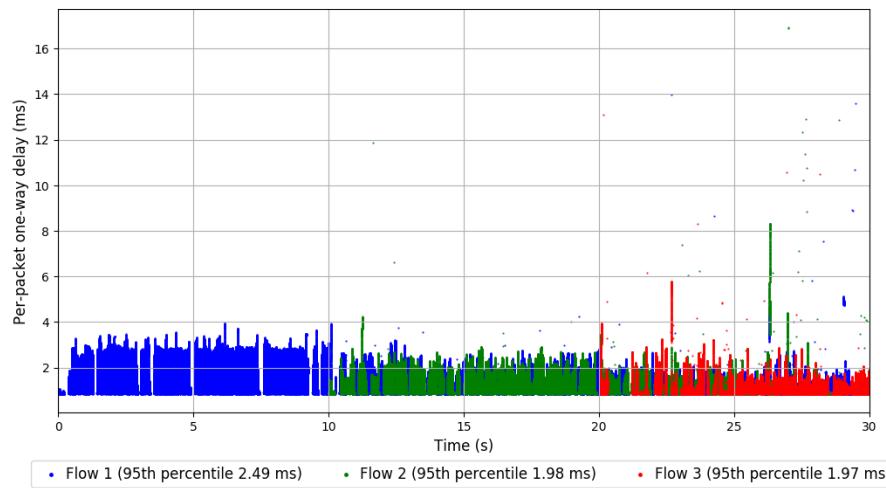
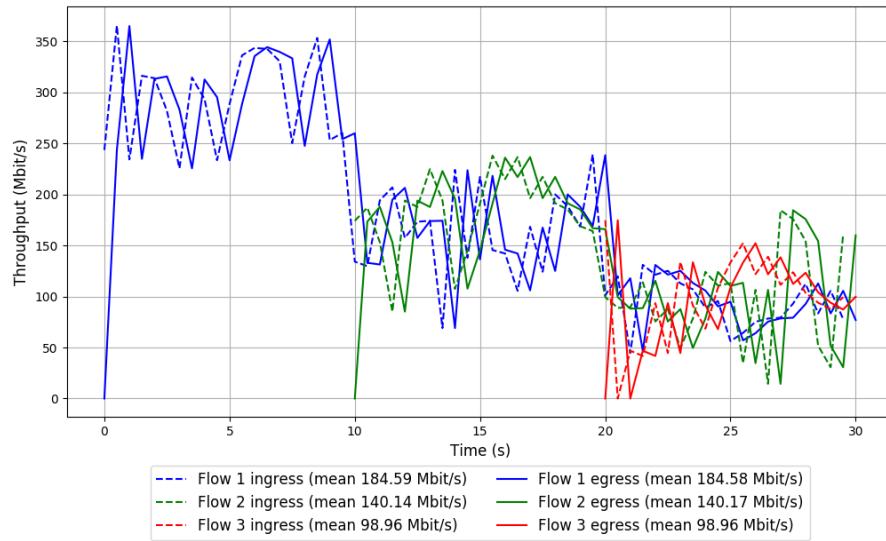


Run 4: Statistics of Verus

```
Start at: 2019-07-12 18:06:26
End at: 2019-07-12 18:06:56
Local clock offset: 7.092 ms
Remote clock offset: 3.548 ms

# Below is generated by plot.py at 2019-07-12 19:55:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.79 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 184.58 Mbit/s
95th percentile per-packet one-way delay: 2.487 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 140.17 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 98.96 Mbit/s
95th percentile per-packet one-way delay: 1.971 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

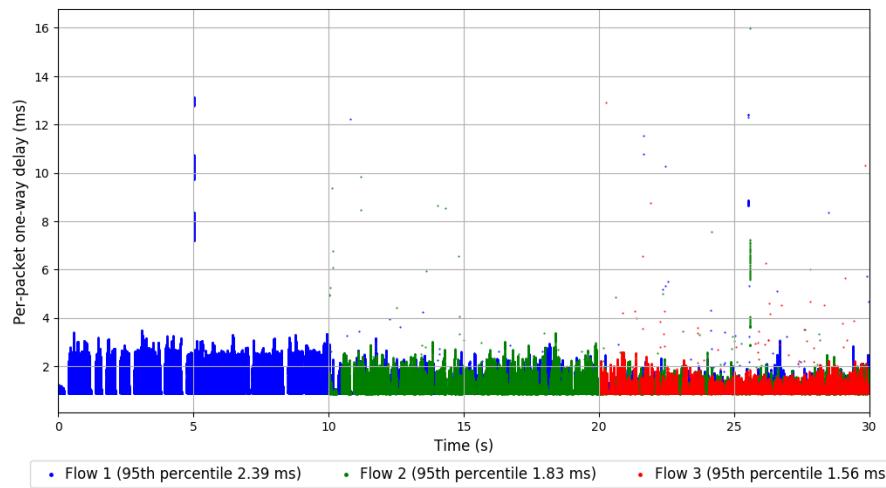
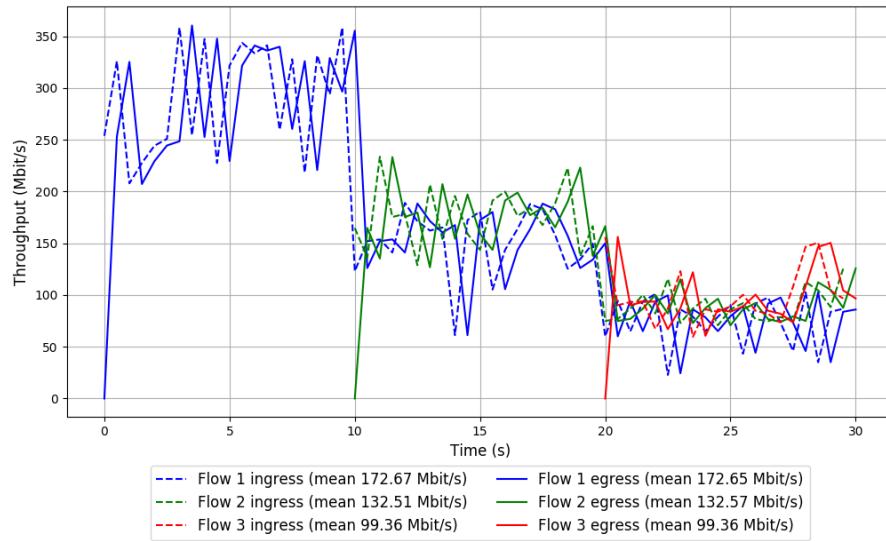


Run 5: Statistics of Verus

```
Start at: 2019-07-12 18:40:41
End at: 2019-07-12 18:41:11
Local clock offset: 7.692 ms
Remote clock offset: 3.196 ms

# Below is generated by plot.py at 2019-07-12 19:55:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.87 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 172.65 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 132.57 Mbit/s
95th percentile per-packet one-way delay: 1.828 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 99.36 Mbit/s
95th percentile per-packet one-way delay: 1.557 ms
Loss rate: 0.00%
```

## Run 5: Report of Verus — Data Link

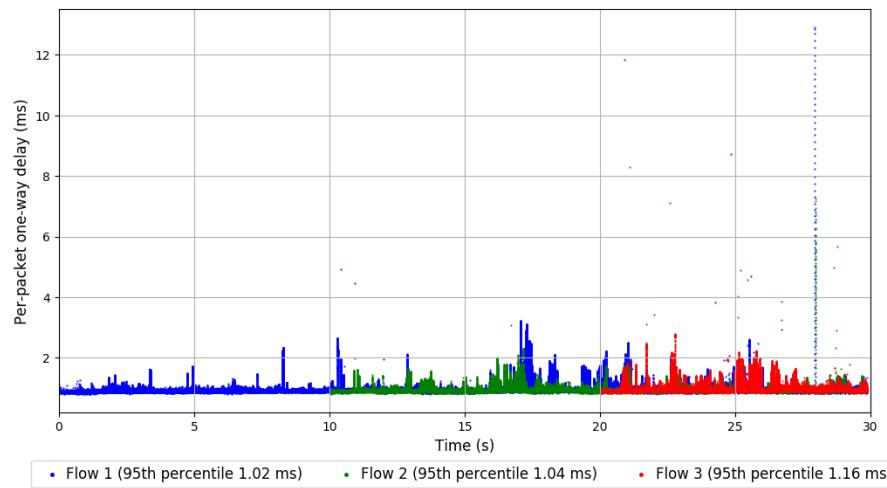
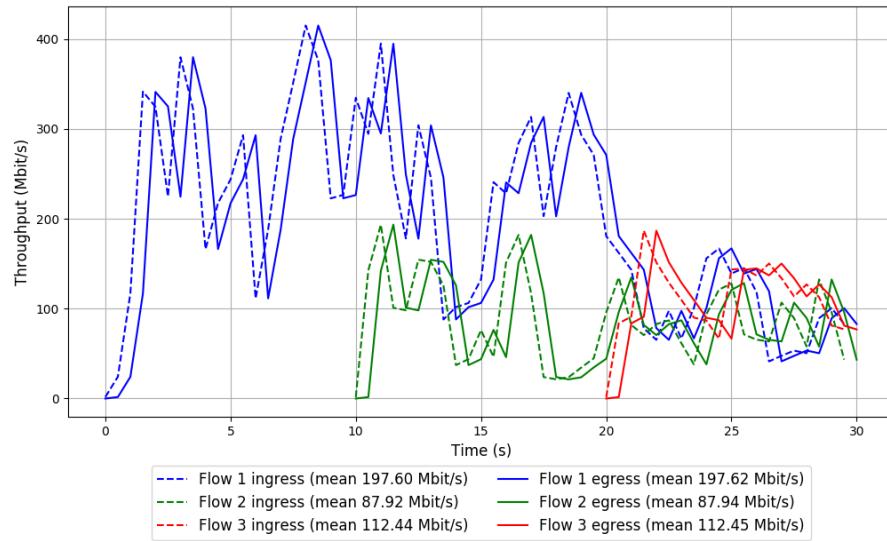


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-07-12 16:28:01
End at: 2019-07-12 16:28:31
Local clock offset: 6.254 ms
Remote clock offset: 4.949 ms

# Below is generated by plot.py at 2019-07-12 19:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.19 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.62 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 112.45 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Vivace — Data Link

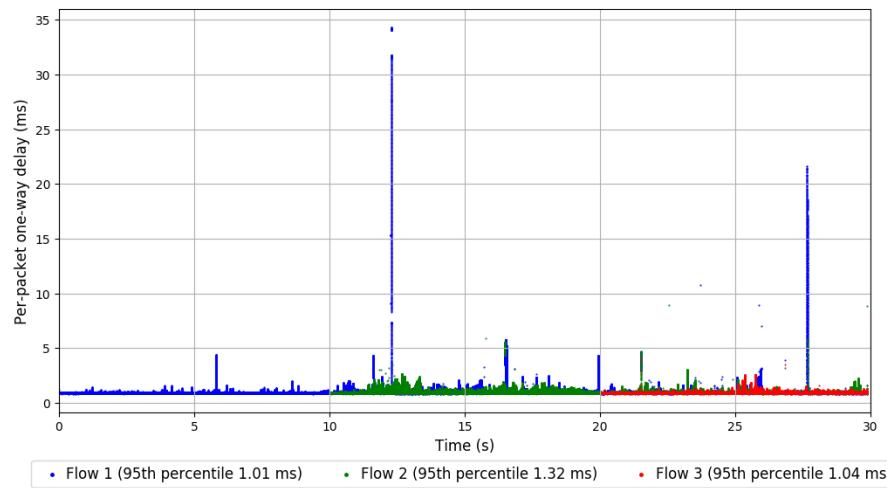
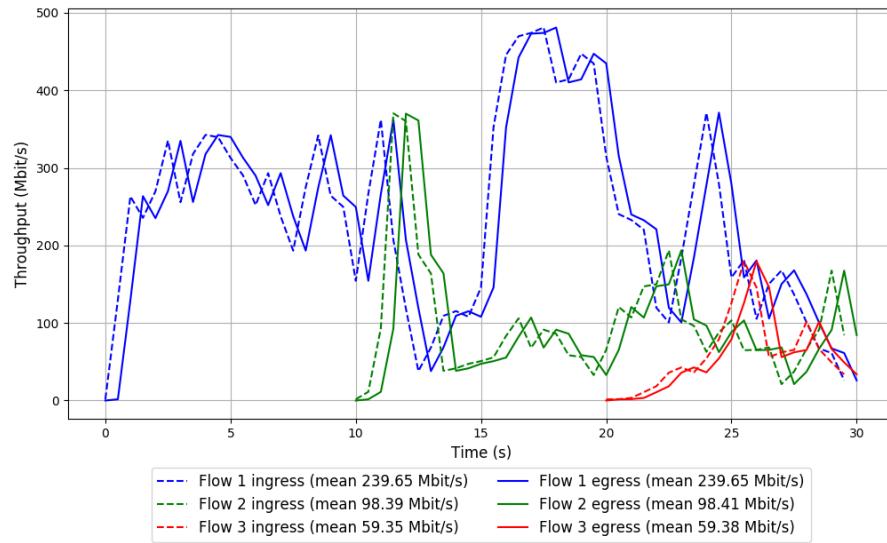


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-12 17:02:30
End at: 2019-07-12 17:03:00
Local clock offset: 6.845 ms
Remote clock offset: 3.29 ms

# Below is generated by plot.py at 2019-07-12 19:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.60 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.65 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.41 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

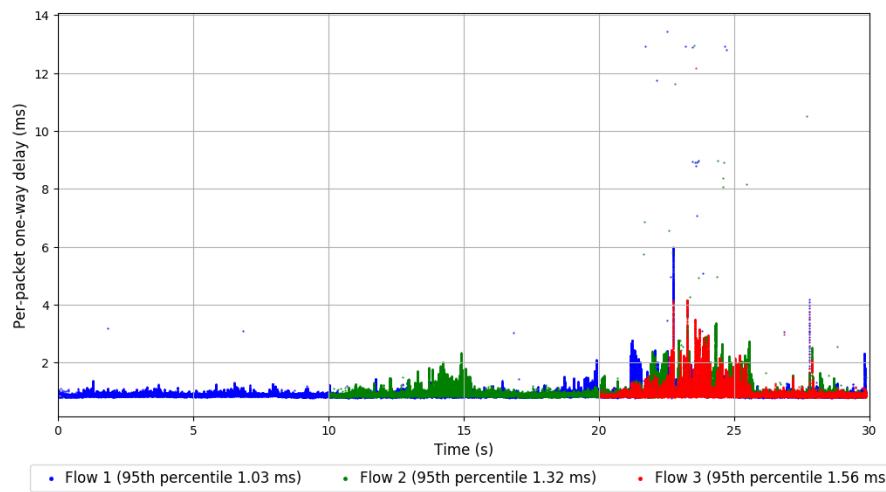
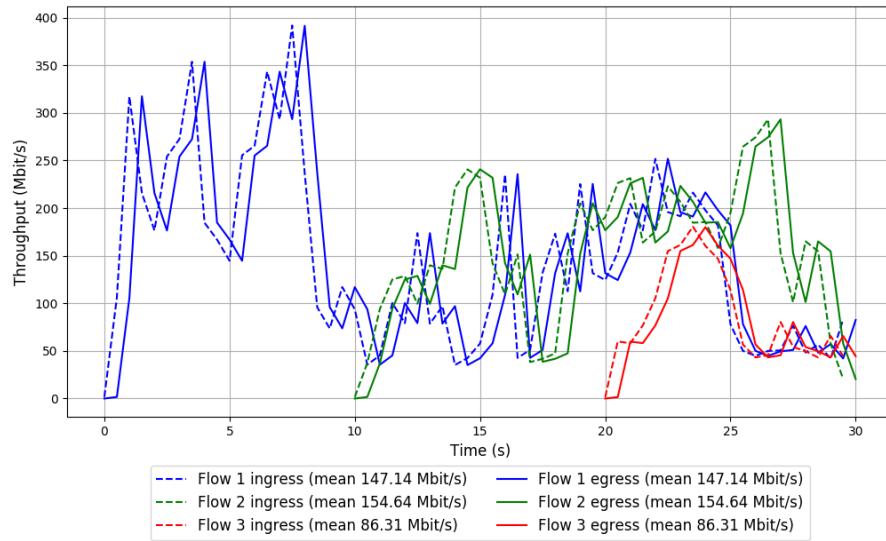


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-12 17:36:48
End at: 2019-07-12 17:37:18
Local clock offset: 6.747 ms
Remote clock offset: 3.275 ms

# Below is generated by plot.py at 2019-07-12 19:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.46 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 147.14 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 154.64 Mbit/s
95th percentile per-packet one-way delay: 1.322 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Vivace — Data Link

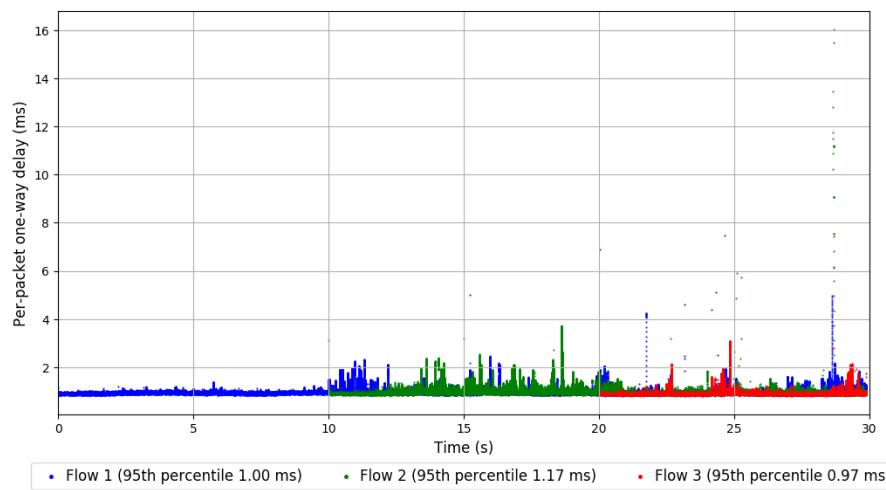
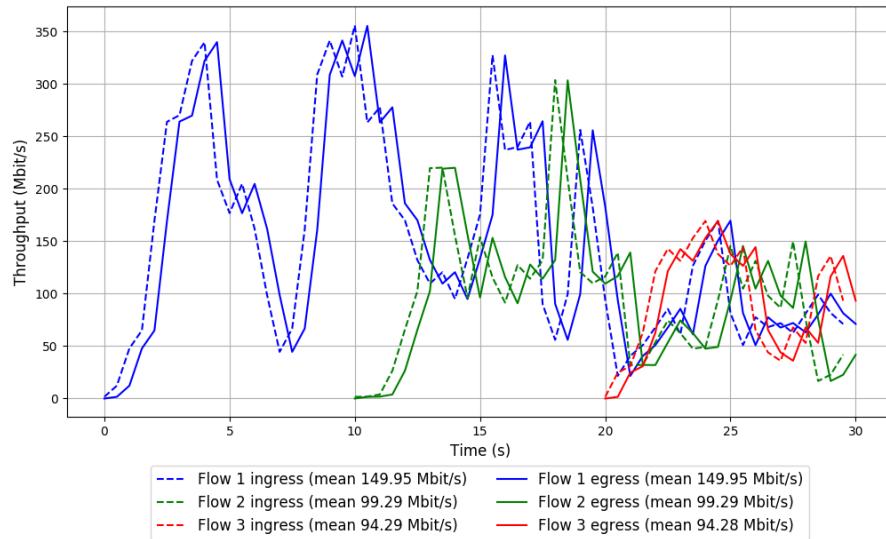


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-12 18:11:04
End at: 2019-07-12 18:11:34
Local clock offset: 7.191 ms
Remote clock offset: 3.598 ms

# Below is generated by plot.py at 2019-07-12 19:56:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 247.08 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.95 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.29 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Vivace — Data Link

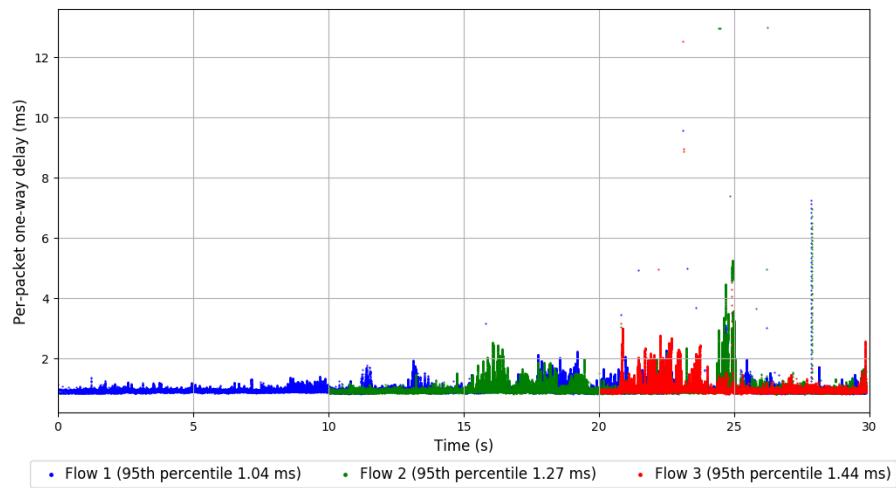
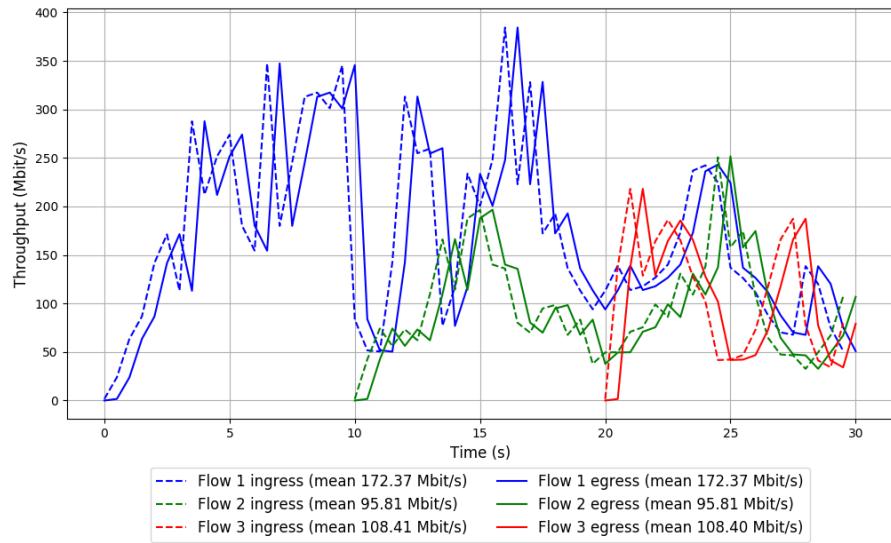


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-12 18:45:15
End at: 2019-07-12 18:45:45
Local clock offset: 7.696 ms
Remote clock offset: 3.138 ms

# Below is generated by plot.py at 2019-07-12 19:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.87 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 172.37 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 108.40 Mbit/s
95th percentile per-packet one-way delay: 1.440 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Vivace — Data Link

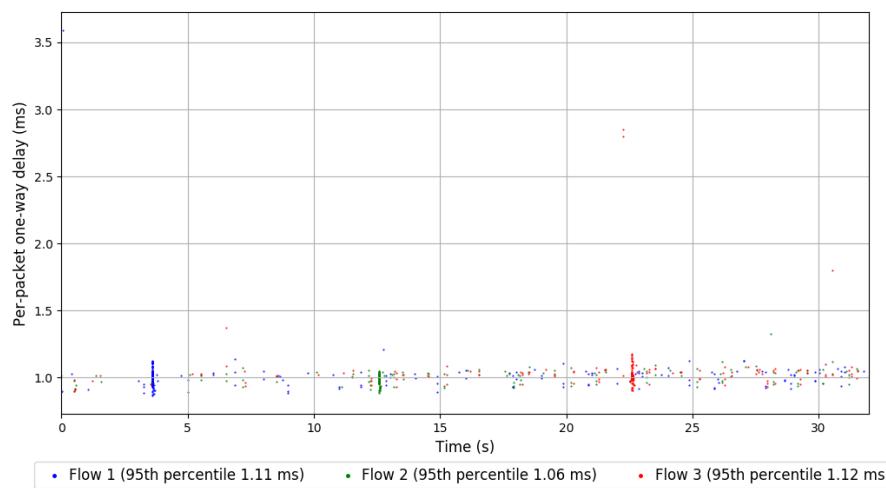
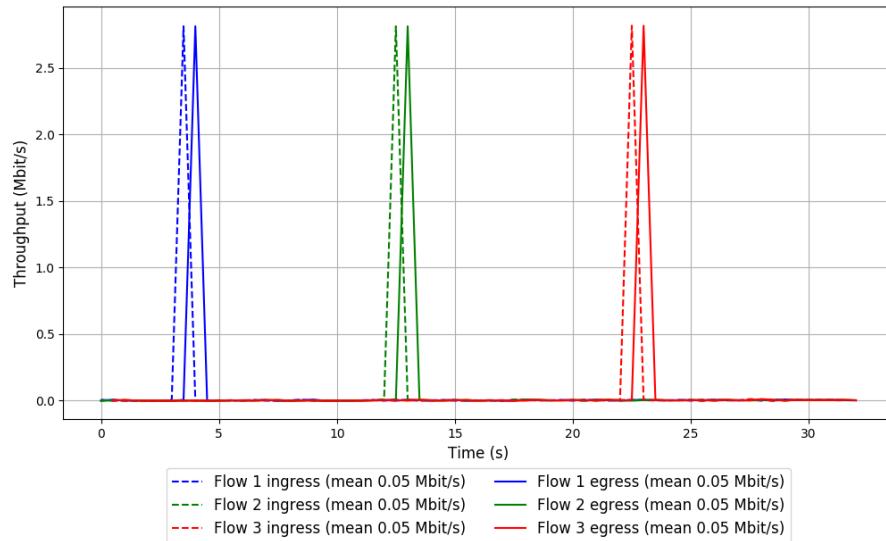


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-12 16:22:14
End at: 2019-07-12 16:22:44
Local clock offset: 6.223 ms
Remote clock offset: 4.292 ms

# Below is generated by plot.py at 2019-07-12 19:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

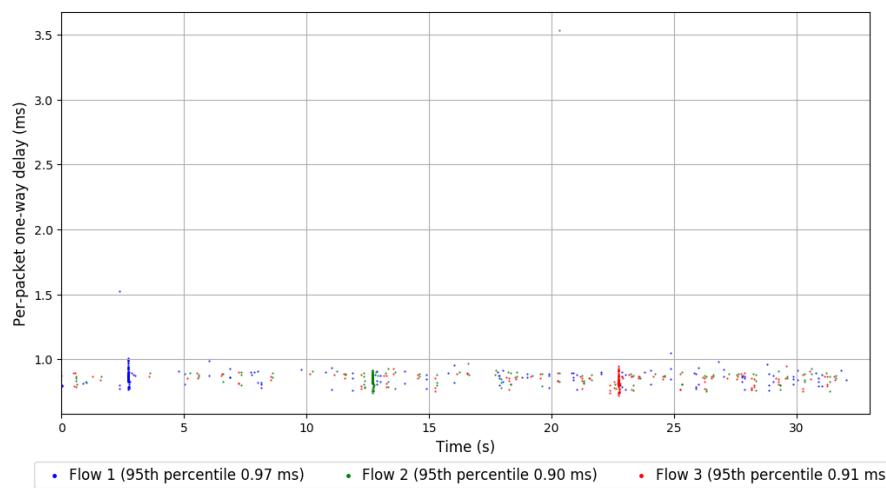
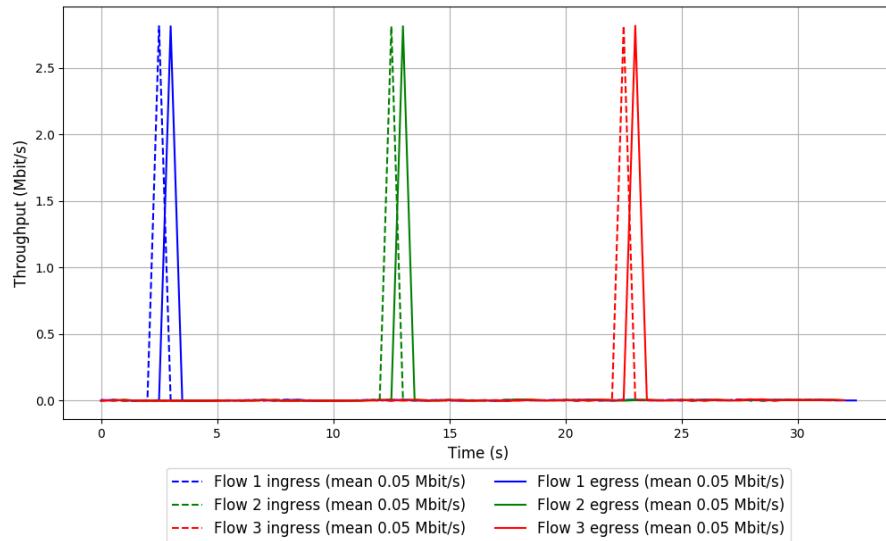


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-12 16:56:34
End at: 2019-07-12 16:57:04
Local clock offset: 6.854 ms
Remote clock offset: 3.387 ms

# Below is generated by plot.py at 2019-07-12 19:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.906 ms
Loss rate: 0.00%
```

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

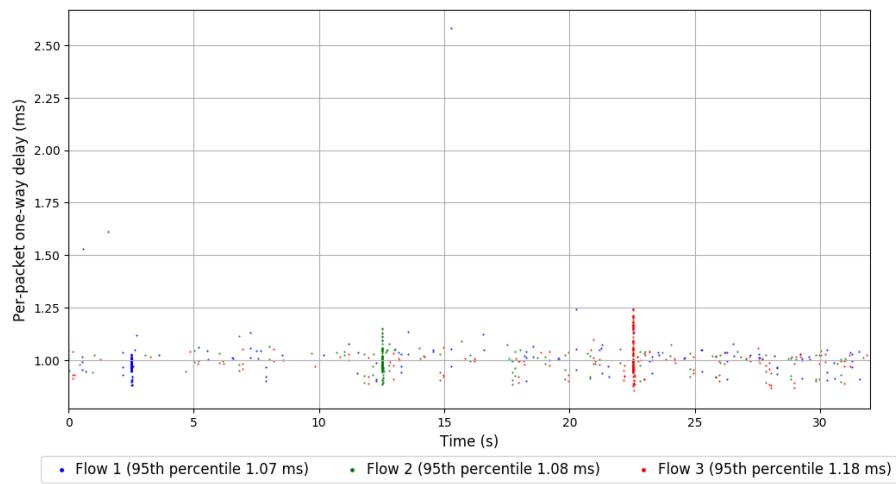
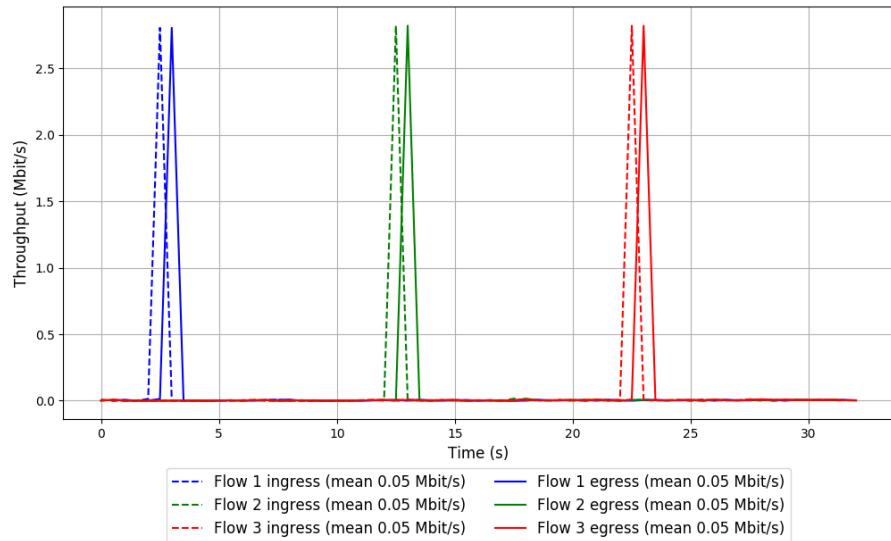


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-12 17:30:57
End at: 2019-07-12 17:31:27
Local clock offset: 6.811 ms
Remote clock offset: 3.222 ms

# Below is generated by plot.py at 2019-07-12 19:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.00%
```

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

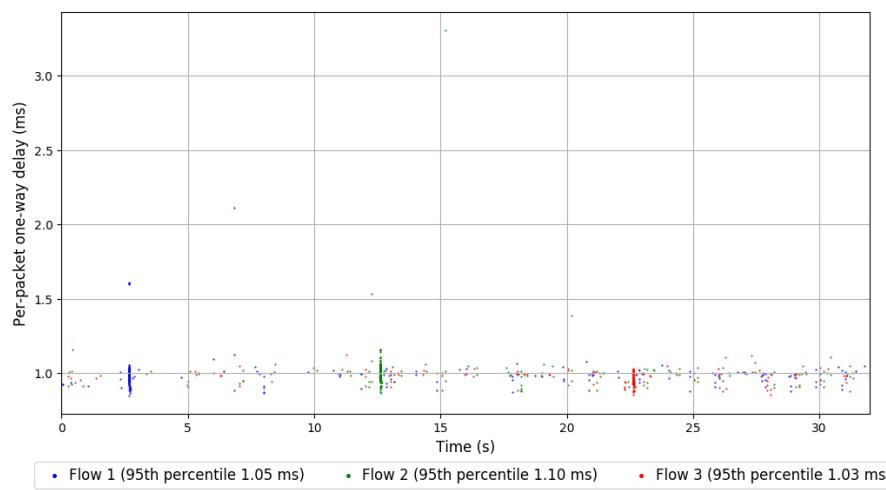
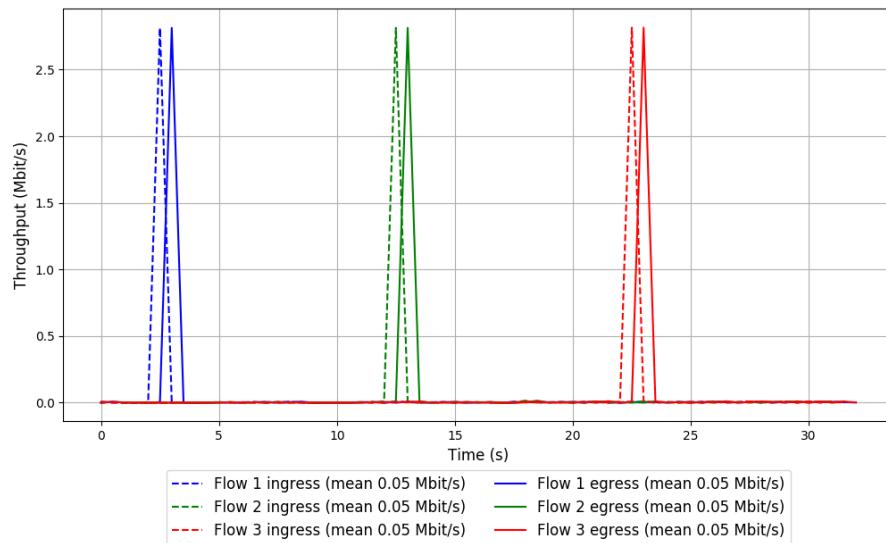


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-12 18:05:11
End at: 2019-07-12 18:05:41
Local clock offset: 7.046 ms
Remote clock offset: 3.455 ms

# Below is generated by plot.py at 2019-07-12 19:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-12 18:39:27
End at: 2019-07-12 18:39:57
Local clock offset: 7.65 ms
Remote clock offset: 3.167 ms

# Below is generated by plot.py at 2019-07-12 19:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

