

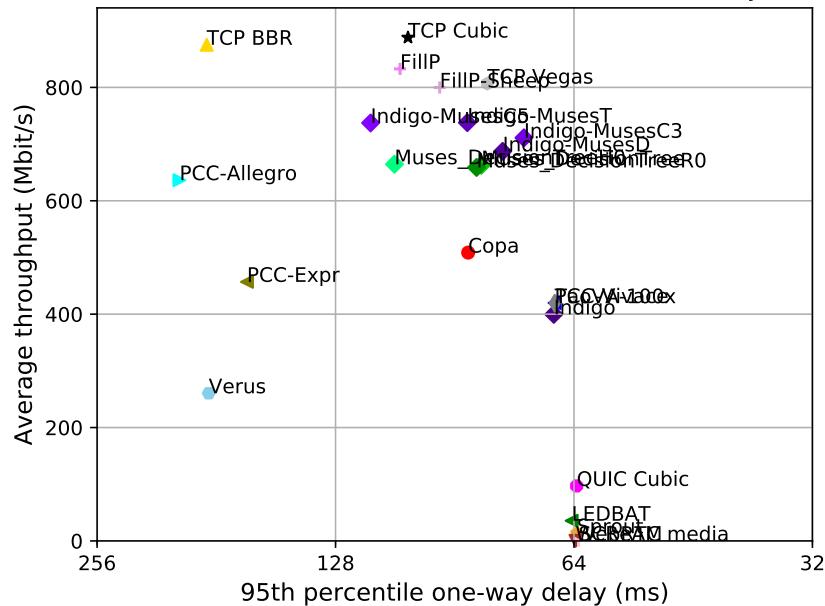
Pantheon Report

Generated at 2019-07-12 20:35:45 (UTC).
Data path: GCE Tokyo on `ens4` (*remote*) → GCE Iowa on `ens4` (*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.google.com` and have been applied to correct the timestamps in logs.

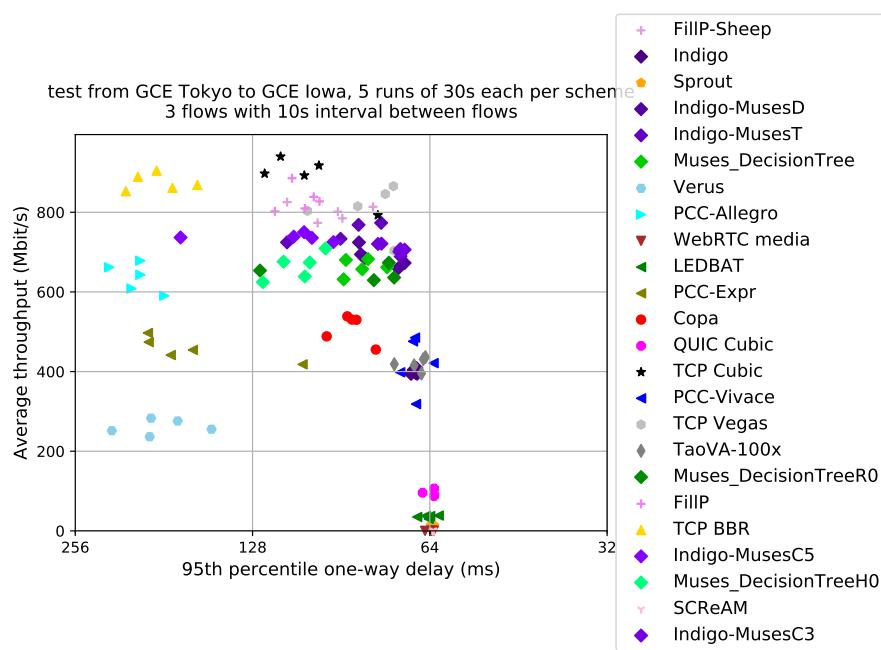
```
System info:  
Linux 4.15.0-1034-gcp  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
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 GCE Tokyo to GCE Iowa, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Tokyo to GCE Iowa, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



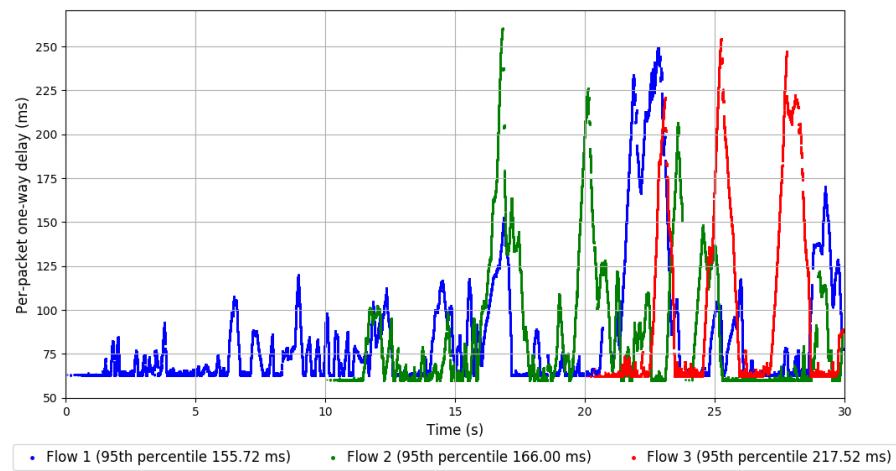
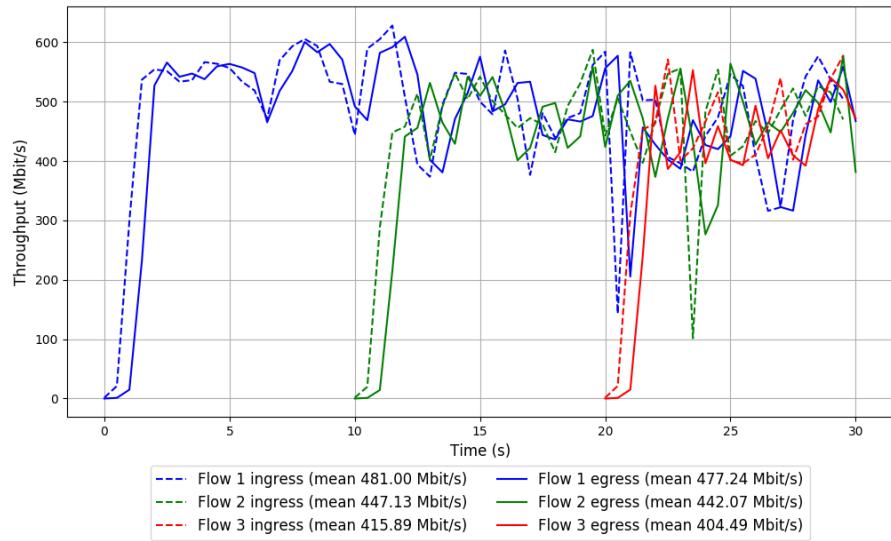
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	458.26	431.50	394.67	176.30	177.05	171.70	1.18	1.61	3.08
Copa		273.78	248.35	211.69	84.20	90.31	97.44	0.40	0.65	1.54
TCP Cubic		455.99	449.16	404.24	88.92	105.48	110.10	0.45	0.61	1.59
FillP		514.94	350.20	259.69	113.23	67.36	67.31	0.80	0.55	1.27
FillP-Sheep		500.57	331.07	241.99	102.34	67.67	65.72	0.60	0.57	1.33
Indigo		215.37	193.66	167.33	67.65	67.57	65.60	0.41	0.65	1.39
Indigo-MusesC3		429.30	343.23	250.14	74.83	71.57	72.95	0.32	0.66	2.15
Indigo-MusesC5		459.02	397.48	97.03	119.76	111.11	62.49	0.56	0.45	2.05
Indigo-MusesD		414.51	331.58	247.74	79.97	77.86	66.24	0.31	0.54	2.28
Indigo-MusesT		452.46	368.87	216.66	90.02	75.23	64.37	0.36	0.57	2.09
LEDBAT		22.44	16.08	7.72	64.68	63.03	62.67	0.69	1.25	2.42
Muses_DecisionTree		384.01	314.00	227.35	84.05	85.14	75.82	0.41	0.43	1.84
Muses_DecisionTreeH0		370.07	343.52	215.67	115.25	91.50	79.37	0.64	0.89	2.27
Muses_DecisionTreeR0		377.22	316.93	229.16	75.37	95.62	84.98	0.47	0.64	1.78
PCC-Allegro		357.53	292.17	261.24	196.37	174.26	160.57	3.01	2.57	4.75
PCC-Expr		246.27	245.53	145.99	148.28	171.08	96.81	1.17	4.23	1.96
QUIC Cubic		55.21	52.09	19.54	62.29	61.78	62.49	0.62	0.99	0.84
SCReAM		0.22	0.22	0.22	61.47	62.22	62.00	0.38	0.65	1.23
Sprout		6.87	6.87	6.54	62.33	61.52	62.72	0.58	1.04	2.00
TaoVA-100x		217.84	205.34	197.40	65.38	67.60	70.52	0.34	0.56	1.26
TCP Vegas		420.05	405.76	354.91	78.98	82.73	87.18	0.43	0.49	1.41
Verus		149.90	122.41	89.79	160.08	205.68	114.25	0.88	2.63	1.18
PCC-Vivace		224.17	234.91	121.41	65.45	79.88	64.45	0.51	0.73	1.85
WebRTC media		0.05	0.05	0.05	64.13	63.17	61.76	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-12 13:56:29
End at: 2019-07-12 13:56:59
Local clock offset: 0.004 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2019-07-12 17:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 904.35 Mbit/s
95th percentile per-packet one-way delay: 186.263 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 477.24 Mbit/s
95th percentile per-packet one-way delay: 155.716 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 442.07 Mbit/s
95th percentile per-packet one-way delay: 165.995 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 404.49 Mbit/s
95th percentile per-packet one-way delay: 217.517 ms
Loss rate: 3.94%
```

Run 1: Report of TCP BBR — Data Link

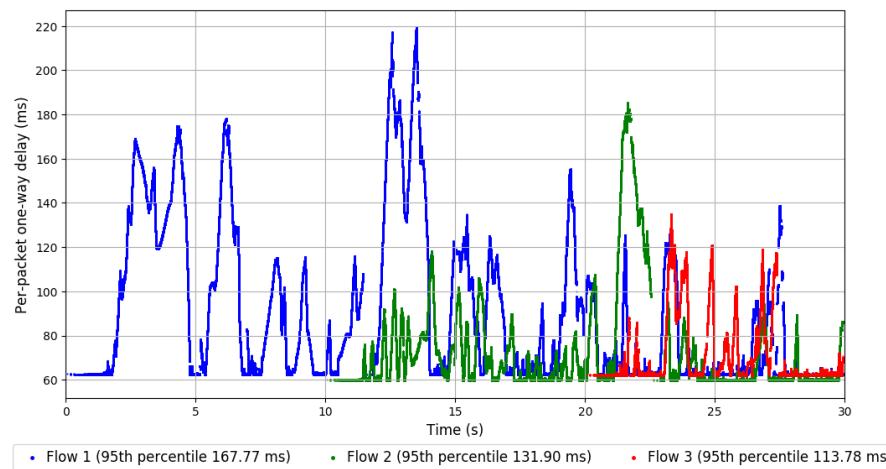
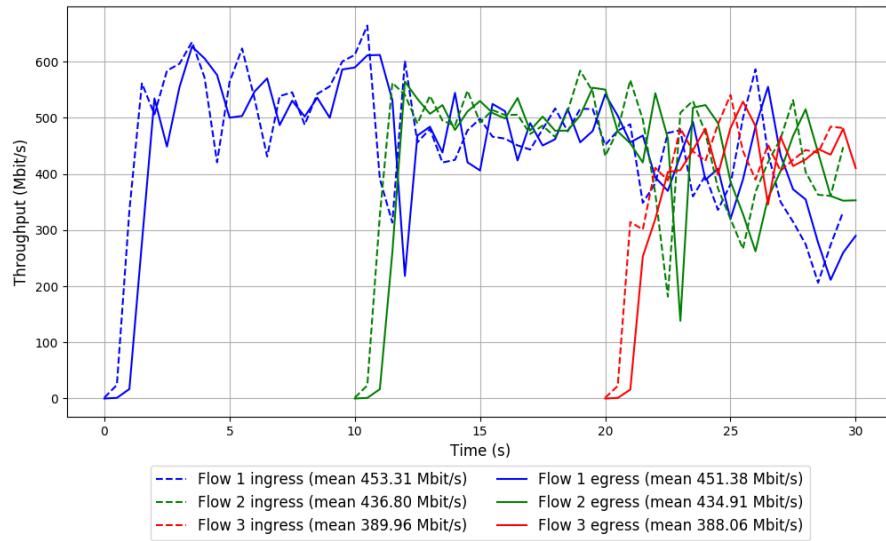


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-12 14:37:26
End at: 2019-07-12 14:37:56
Local clock offset: -0.033 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-07-12 17:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 868.47 Mbit/s
95th percentile per-packet one-way delay: 158.823 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 451.38 Mbit/s
95th percentile per-packet one-way delay: 167.774 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 434.91 Mbit/s
95th percentile per-packet one-way delay: 131.896 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 388.06 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 1.71%
```

Run 2: Report of TCP BBR — Data Link

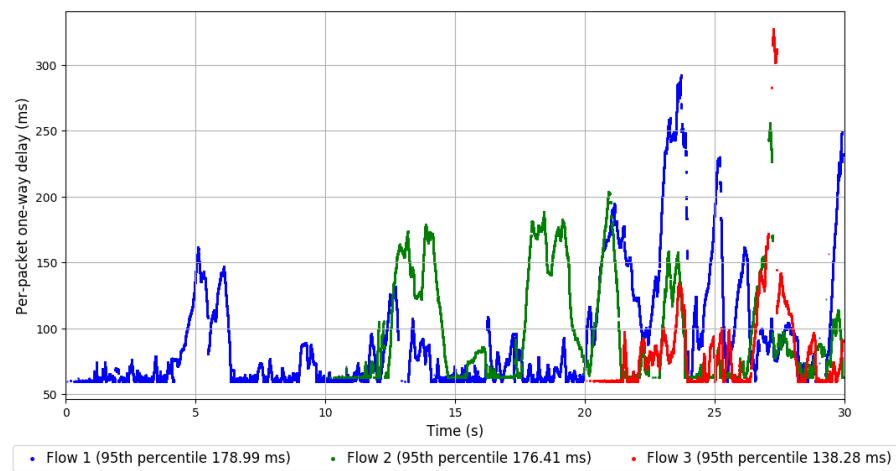
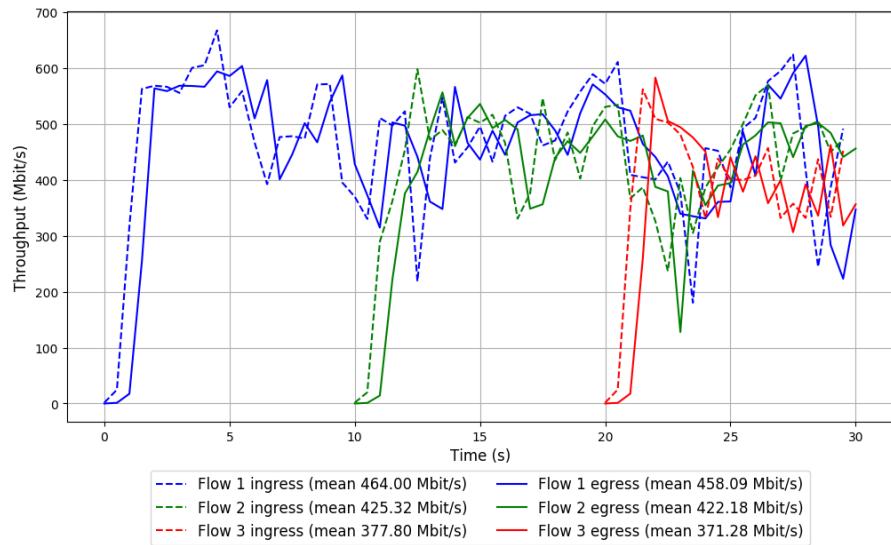


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-12 15:18:25
End at: 2019-07-12 15:18:55
Local clock offset: -0.061 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2019-07-12 17:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 861.20 Mbit/s
95th percentile per-packet one-way delay: 175.050 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 458.09 Mbit/s
95th percentile per-packet one-way delay: 178.993 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 422.18 Mbit/s
95th percentile per-packet one-way delay: 176.409 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 371.28 Mbit/s
95th percentile per-packet one-way delay: 138.277 ms
Loss rate: 2.92%
```

Run 3: Report of TCP BBR — Data Link

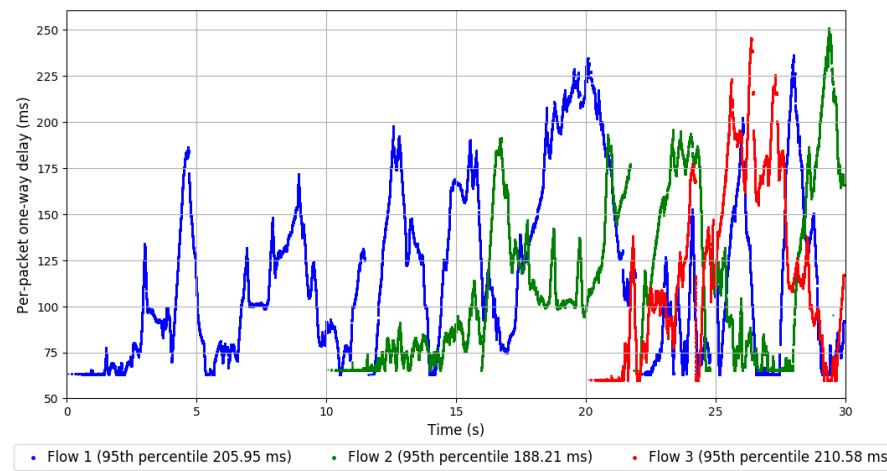
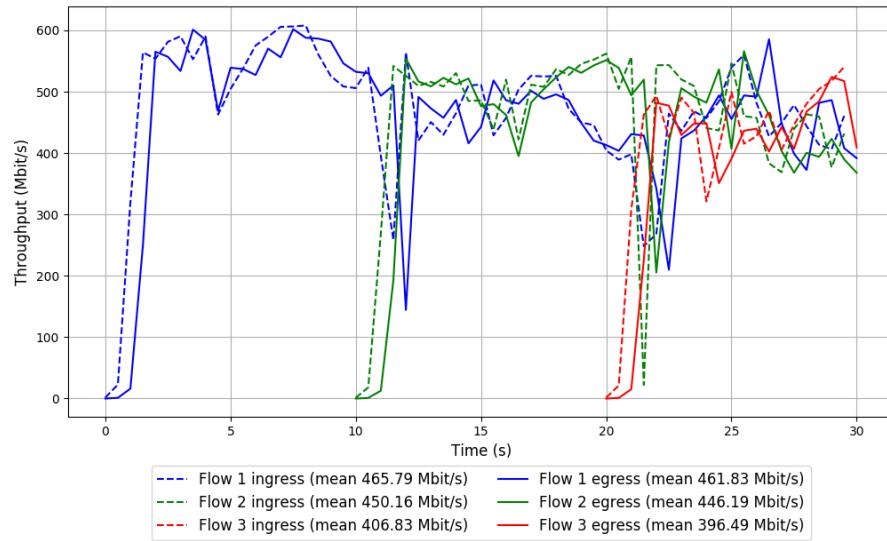


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-12 15:59:47
End at: 2019-07-12 16:00:17
Local clock offset: 0.026 ms
Remote clock offset: -0.264 ms

# Below is generated by plot.py at 2019-07-12 17:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 889.04 Mbit/s
95th percentile per-packet one-way delay: 200.376 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 461.83 Mbit/s
95th percentile per-packet one-way delay: 205.949 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 446.19 Mbit/s
95th percentile per-packet one-way delay: 188.206 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 396.49 Mbit/s
95th percentile per-packet one-way delay: 210.584 ms
Loss rate: 3.75%
```

Run 4: Report of TCP BBR — Data Link

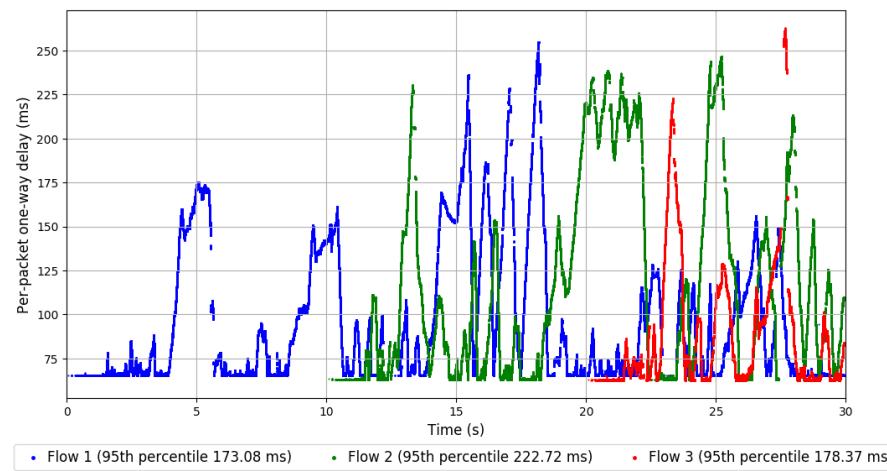
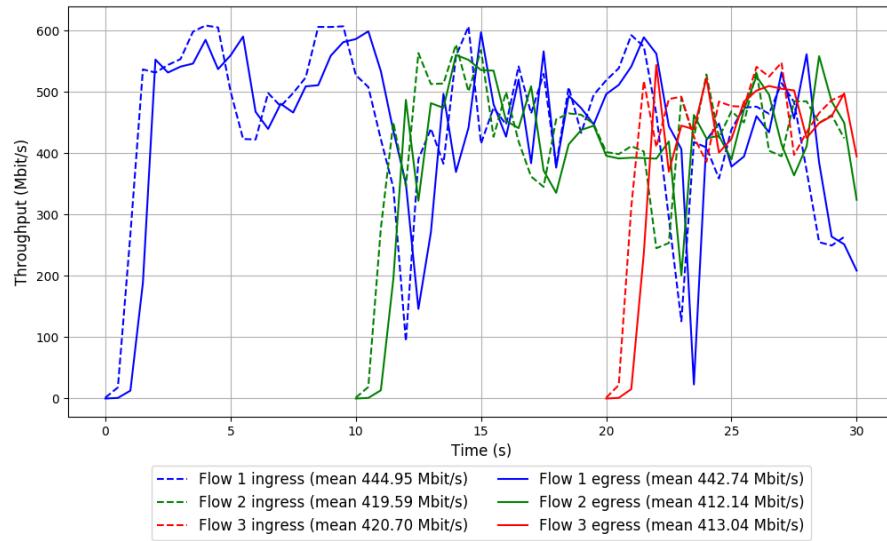


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-12 16:41:14
End at: 2019-07-12 16:41:44
Local clock offset: -0.1 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2019-07-12 17:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 852.85 Mbit/s
95th percentile per-packet one-way delay: 210.081 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 442.74 Mbit/s
95th percentile per-packet one-way delay: 173.079 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 412.14 Mbit/s
95th percentile per-packet one-way delay: 222.721 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 413.04 Mbit/s
95th percentile per-packet one-way delay: 178.371 ms
Loss rate: 3.07%
```

Run 5: Report of TCP BBR — Data Link

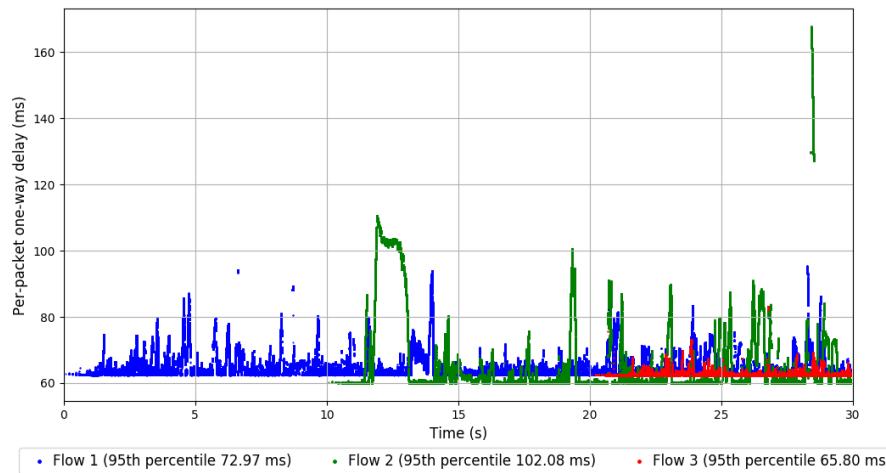
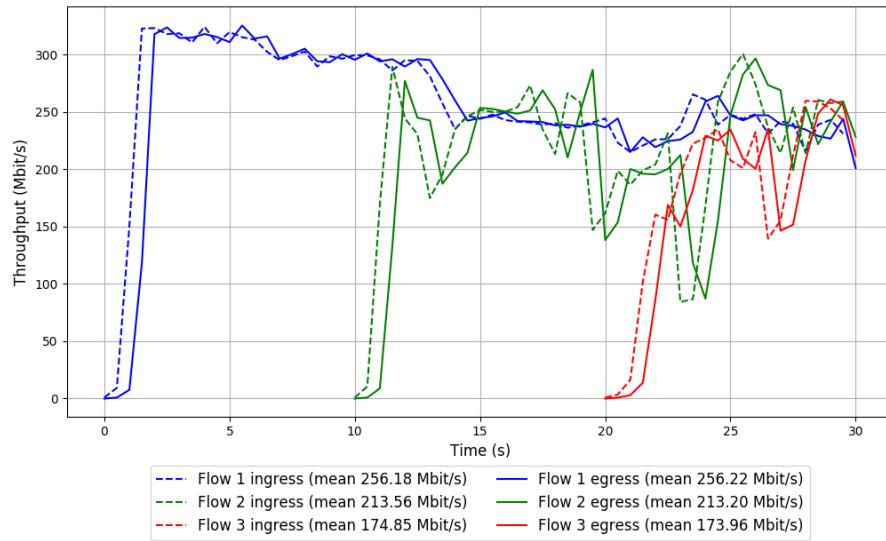


Run 1: Statistics of Copa

```
Start at: 2019-07-12 13:58:35
End at: 2019-07-12 13:59:05
Local clock offset: -0.005 ms
Remote clock offset: -0.323 ms

# Below is generated by plot.py at 2019-07-12 17:58:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.26 Mbit/s
95th percentile per-packet one-way delay: 79.053 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 256.22 Mbit/s
95th percentile per-packet one-way delay: 72.974 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 213.20 Mbit/s
95th percentile per-packet one-way delay: 102.075 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 173.96 Mbit/s
95th percentile per-packet one-way delay: 65.796 ms
Loss rate: 1.74%
```

Run 1: Report of Copa — Data Link

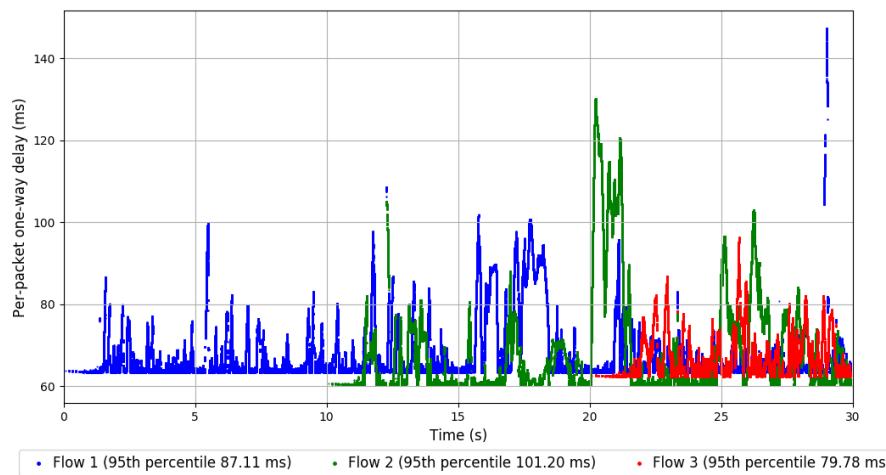
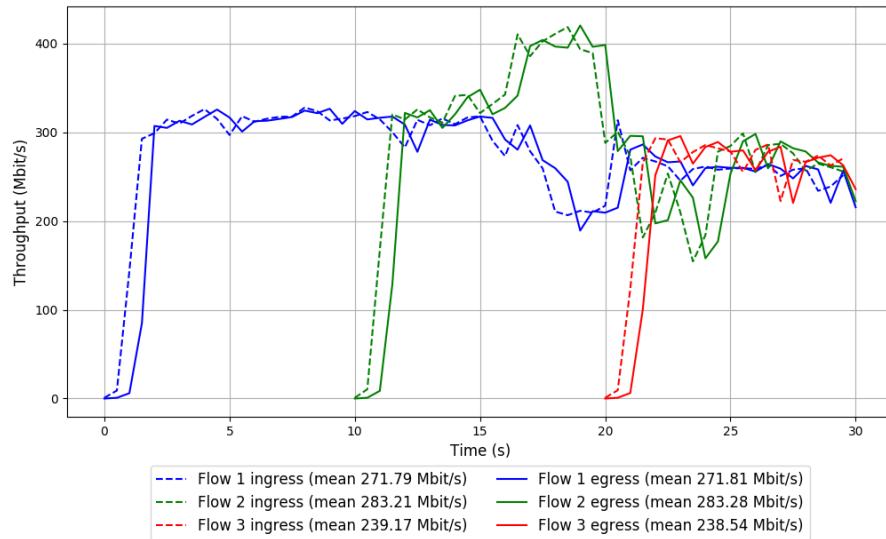


Run 2: Statistics of Copa

```
Start at: 2019-07-12 14:39:29
End at: 2019-07-12 14:39:59
Local clock offset: -0.013 ms
Remote clock offset: -0.445 ms

# Below is generated by plot.py at 2019-07-12 18:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 538.69 Mbit/s
95th percentile per-packet one-way delay: 88.366 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 271.81 Mbit/s
95th percentile per-packet one-way delay: 87.112 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 283.28 Mbit/s
95th percentile per-packet one-way delay: 101.202 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 79.785 ms
Loss rate: 1.49%
```

Run 2: Report of Copa — Data Link

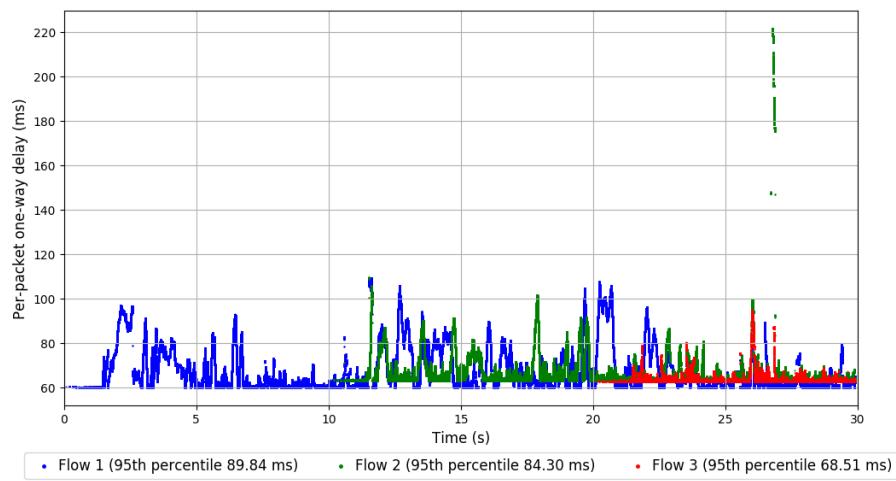
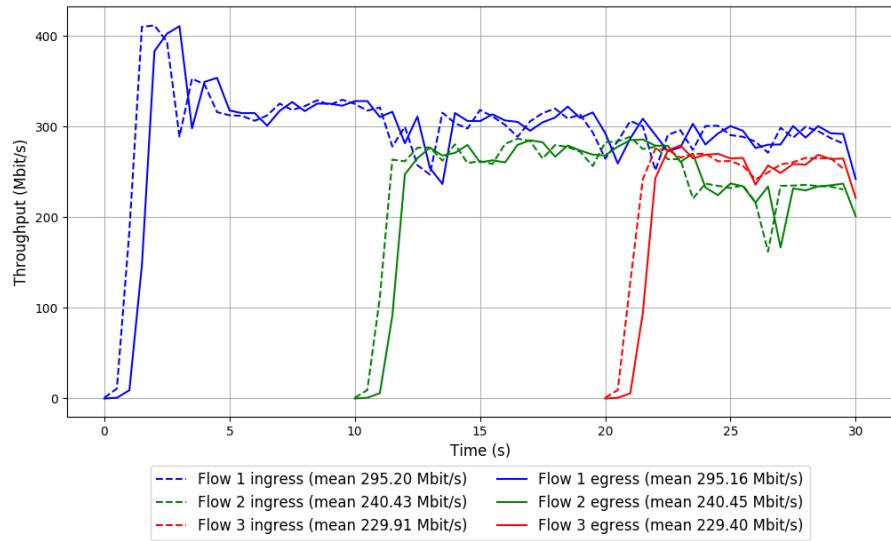


Run 3: Statistics of Copa

```
Start at: 2019-07-12 15:20:30
End at: 2019-07-12 15:21:00
Local clock offset: 0.0 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2019-07-12 18:00:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.49 Mbit/s
95th percentile per-packet one-way delay: 86.769 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 295.16 Mbit/s
95th percentile per-packet one-way delay: 89.842 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 240.45 Mbit/s
95th percentile per-packet one-way delay: 84.303 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 229.40 Mbit/s
95th percentile per-packet one-way delay: 68.509 ms
Loss rate: 1.45%
```

Run 3: Report of Copa — Data Link

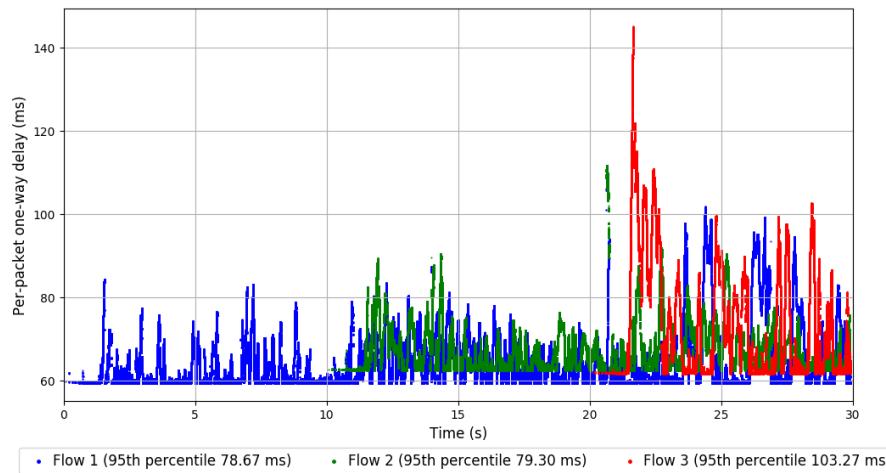
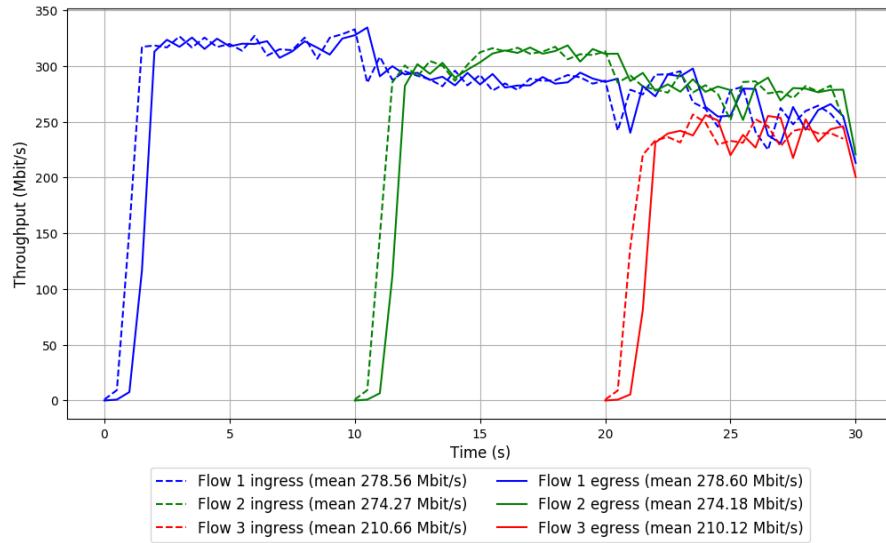


Run 4: Statistics of Copa

```
Start at: 2019-07-12 16:01:51
End at: 2019-07-12 16:02:21
Local clock offset: 0.029 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.04 Mbit/s
95th percentile per-packet one-way delay: 85.286 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 278.60 Mbit/s
95th percentile per-packet one-way delay: 78.668 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 274.18 Mbit/s
95th percentile per-packet one-way delay: 79.298 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 210.12 Mbit/s
95th percentile per-packet one-way delay: 103.265 ms
Loss rate: 1.52%
```

Run 4: Report of Copa — Data Link

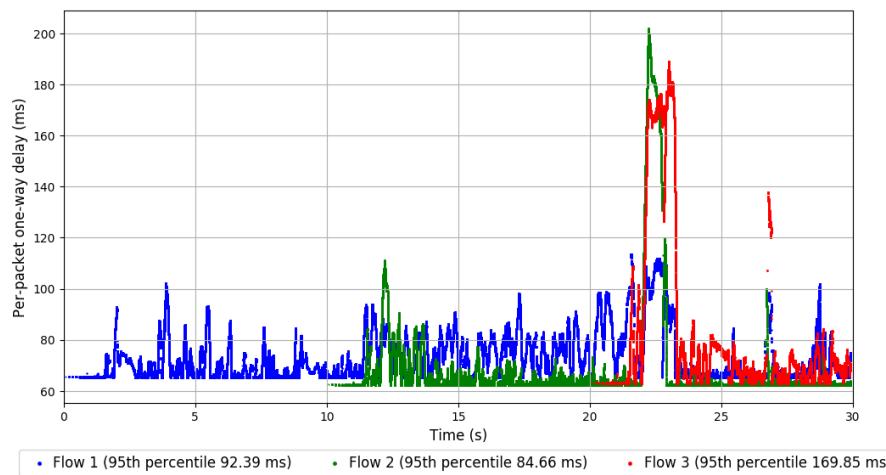
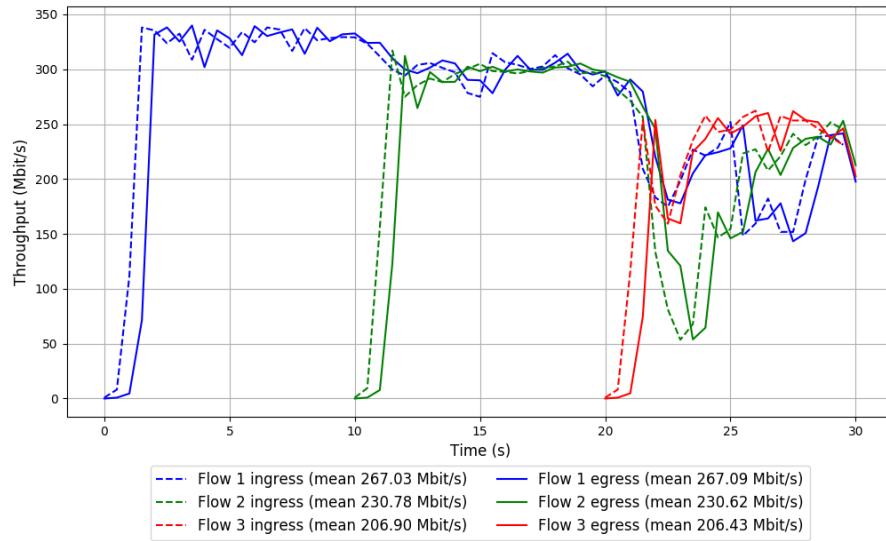


Run 5: Statistics of Copa

```
Start at: 2019-07-12 16:43:19
End at: 2019-07-12 16:43:49
Local clock offset: -0.06 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.45 Mbit/s
95th percentile per-packet one-way delay: 95.794 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 267.09 Mbit/s
95th percentile per-packet one-way delay: 92.388 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 230.62 Mbit/s
95th percentile per-packet one-way delay: 84.662 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 206.43 Mbit/s
95th percentile per-packet one-way delay: 169.850 ms
Loss rate: 1.50%
```

Run 5: Report of Copa — Data Link

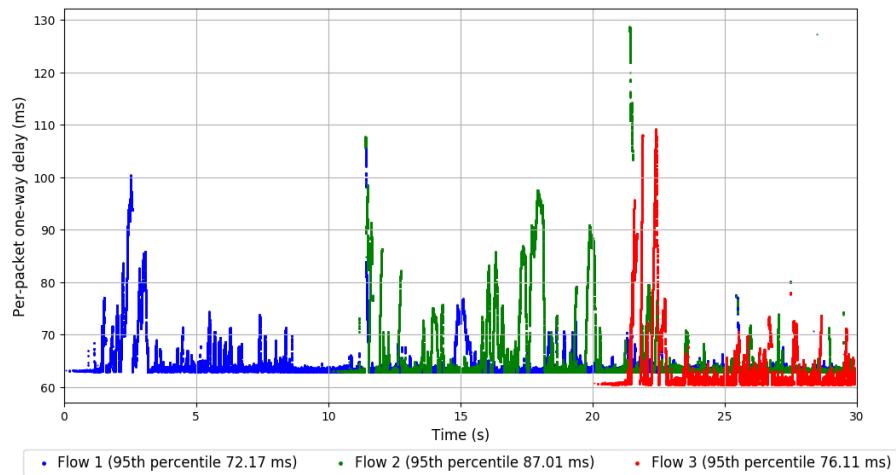
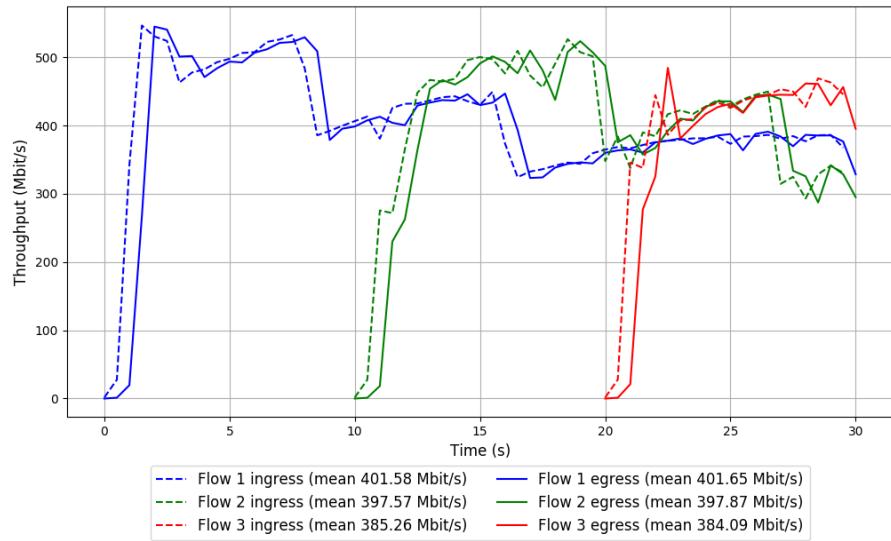


Run 1: Statistics of TCP Cubic

```
Start at: 2019-07-12 14:32:00
End at: 2019-07-12 14:32:30
Local clock offset: -0.005 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 792.72 Mbit/s
95th percentile per-packet one-way delay: 78.410 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 401.65 Mbit/s
95th percentile per-packet one-way delay: 72.175 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 397.87 Mbit/s
95th percentile per-packet one-way delay: 87.010 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 384.09 Mbit/s
95th percentile per-packet one-way delay: 76.112 ms
Loss rate: 1.51%
```

Run 1: Report of TCP Cubic — Data Link

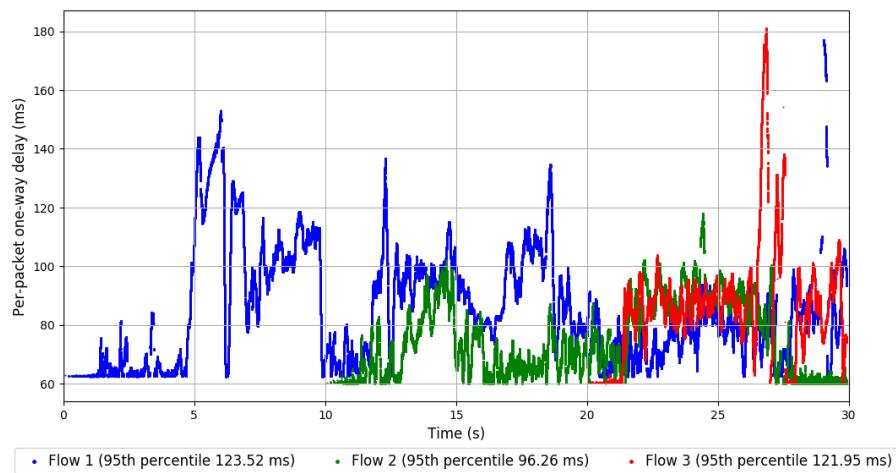
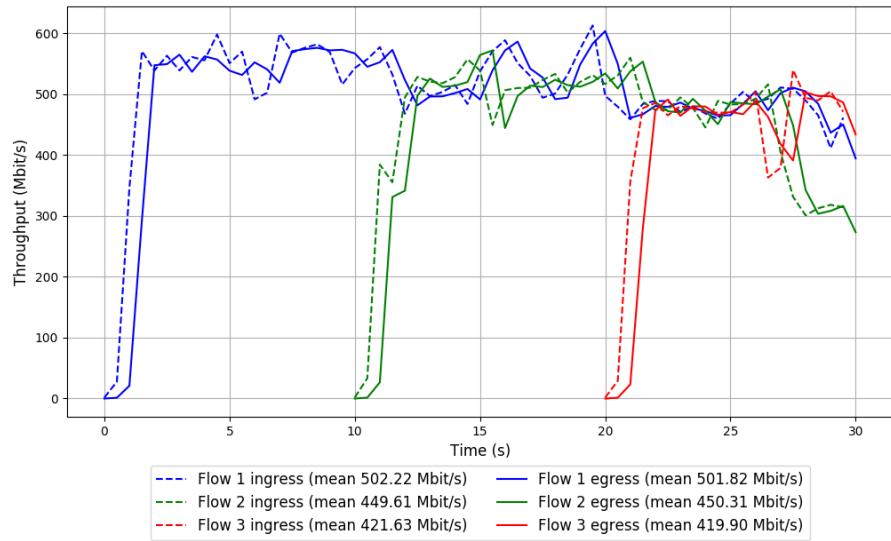


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-12 15:12:51
End at: 2019-07-12 15:13:21
Local clock offset: -0.029 ms
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 939.88 Mbit/s
95th percentile per-packet one-way delay: 114.710 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 501.82 Mbit/s
95th percentile per-packet one-way delay: 123.519 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 450.31 Mbit/s
95th percentile per-packet one-way delay: 96.258 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 419.90 Mbit/s
95th percentile per-packet one-way delay: 121.948 ms
Loss rate: 1.61%
```

Run 2: Report of TCP Cubic — Data Link

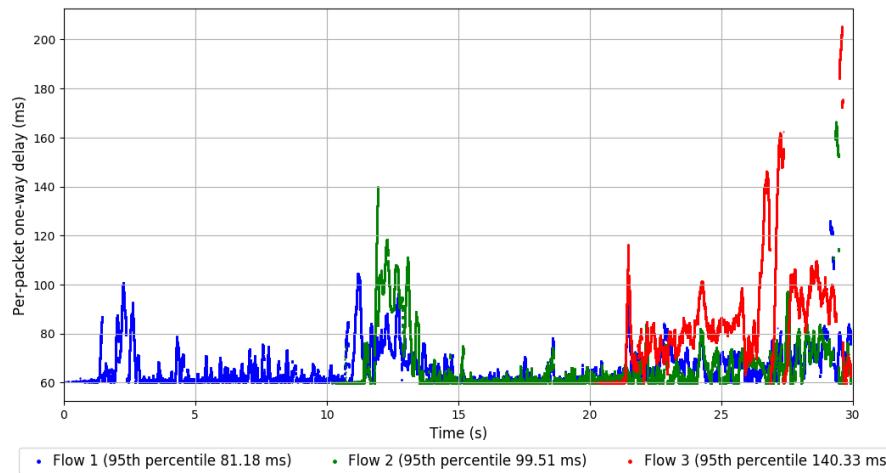
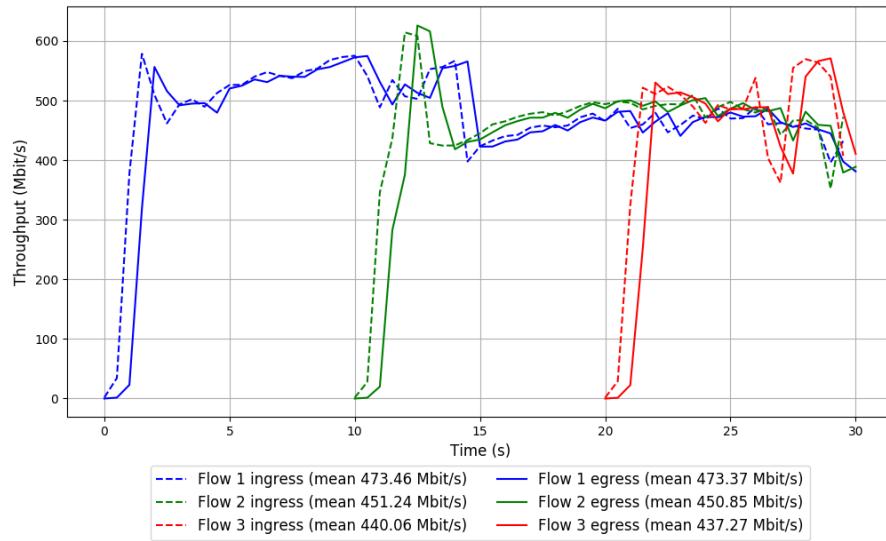


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-12 15:54:11
End at: 2019-07-12 15:54:41
Local clock offset: 0.034 ms
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.40 Mbit/s
95th percentile per-packet one-way delay: 98.730 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 473.37 Mbit/s
95th percentile per-packet one-way delay: 81.182 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 450.85 Mbit/s
95th percentile per-packet one-way delay: 99.513 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 437.27 Mbit/s
95th percentile per-packet one-way delay: 140.333 ms
Loss rate: 1.84%
```

Run 3: Report of TCP Cubic — Data Link

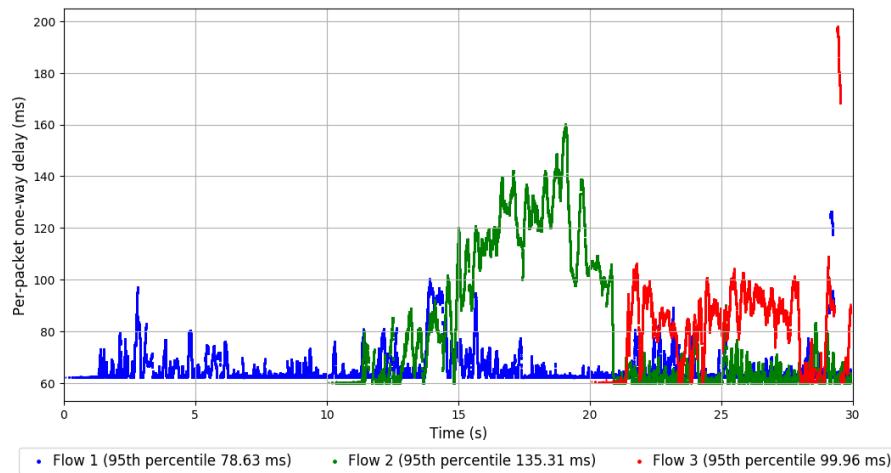
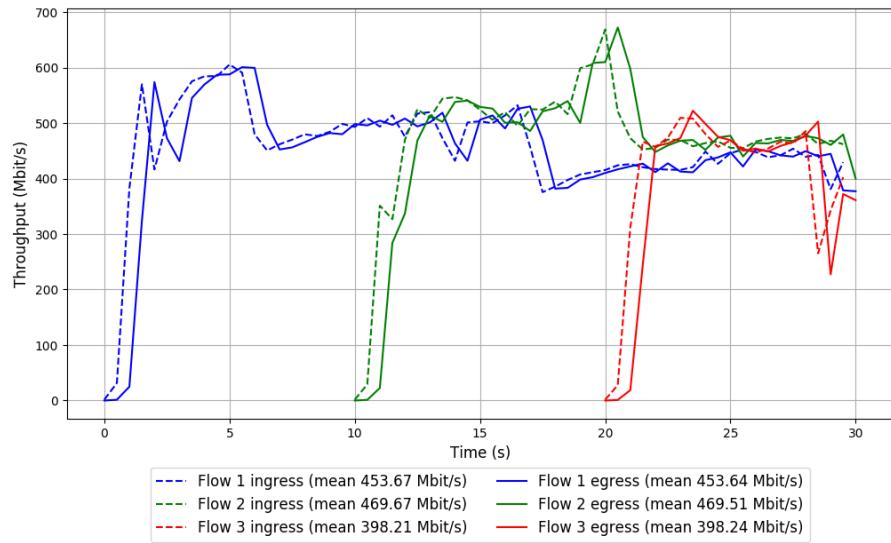


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-12 16:35:40
End at: 2019-07-12 16:36:10
Local clock offset: -0.04 ms
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2019-07-12 18:15:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 897.13 Mbit/s
95th percentile per-packet one-way delay: 122.083 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 453.64 Mbit/s
95th percentile per-packet one-way delay: 78.634 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 469.51 Mbit/s
95th percentile per-packet one-way delay: 135.307 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 398.24 Mbit/s
95th percentile per-packet one-way delay: 99.963 ms
Loss rate: 1.24%
```

Run 4: Report of TCP Cubic — Data Link

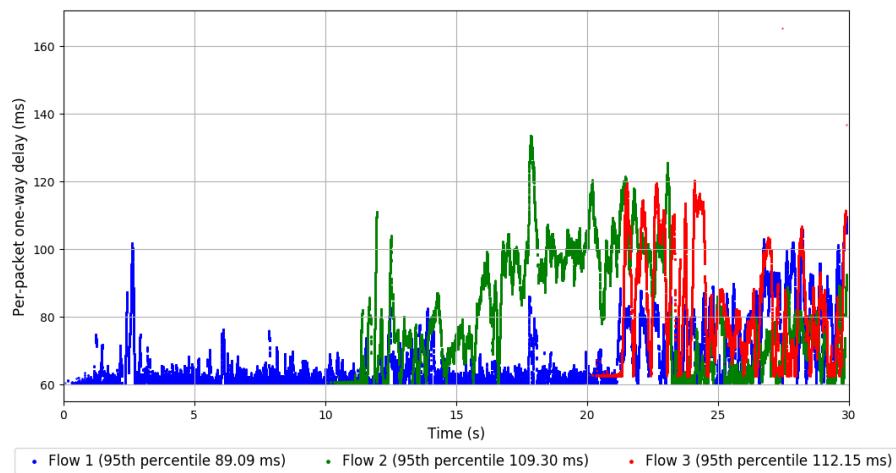
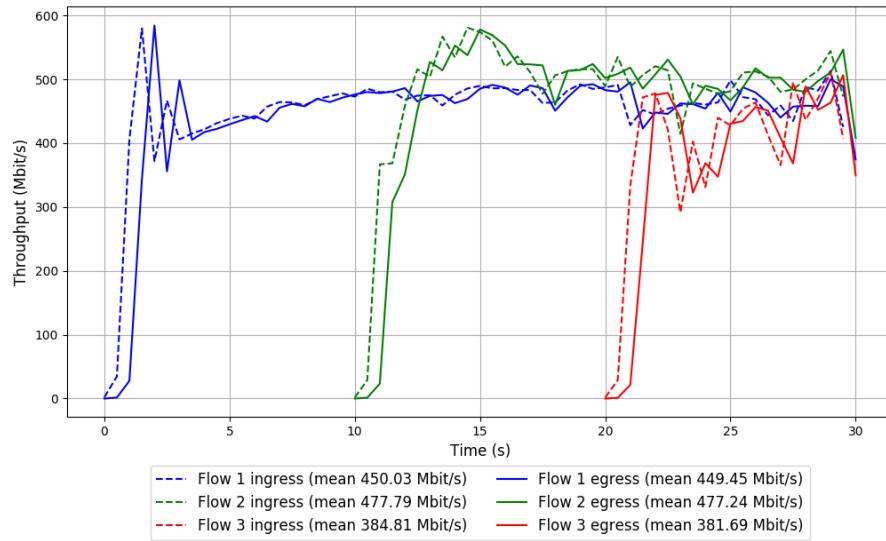


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-12 17:16:58
End at: 2019-07-12 17:17:28
Local clock offset: -0.02 ms
Remote clock offset: -0.76 ms

# Below is generated by plot.py at 2019-07-12 18:16:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 892.46 Mbit/s
95th percentile per-packet one-way delay: 104.522 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 449.45 Mbit/s
95th percentile per-packet one-way delay: 89.088 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 477.24 Mbit/s
95th percentile per-packet one-way delay: 109.304 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 381.69 Mbit/s
95th percentile per-packet one-way delay: 112.153 ms
Loss rate: 1.76%
```

Run 5: Report of TCP Cubic — Data Link

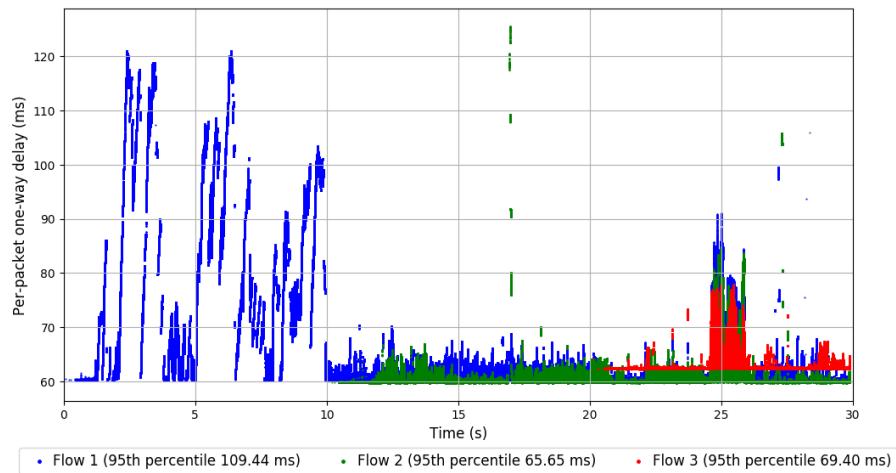
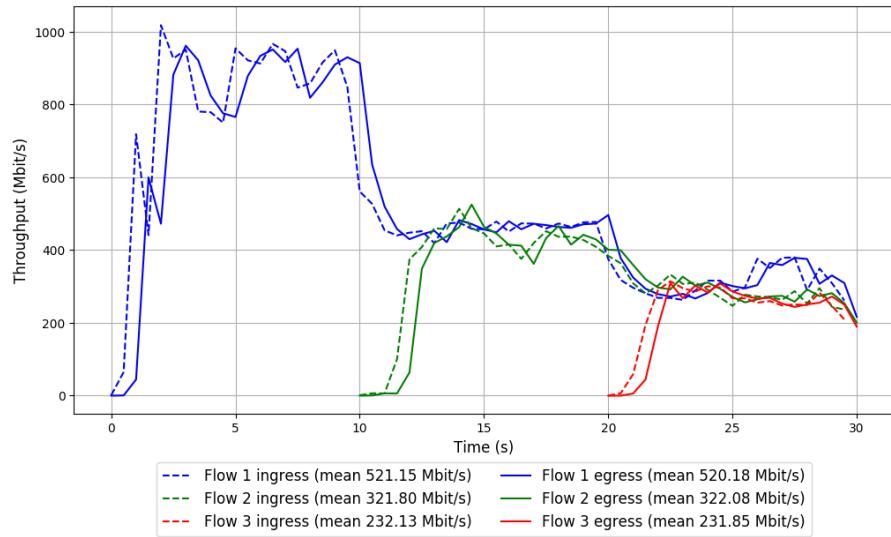


```
Run 1: Statistics of FillP
```

```
Start at: 2019-07-12 14:02:25
End at: 2019-07-12 14:02:55
Local clock offset: -0.027 ms
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2019-07-12 18:18:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 809.54 Mbit/s
95th percentile per-packet one-way delay: 104.311 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 520.18 Mbit/s
95th percentile per-packet one-way delay: 109.438 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 322.08 Mbit/s
95th percentile per-packet one-way delay: 65.650 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 231.85 Mbit/s
95th percentile per-packet one-way delay: 69.400 ms
Loss rate: 1.23%
```

Run 1: Report of FillP — Data Link

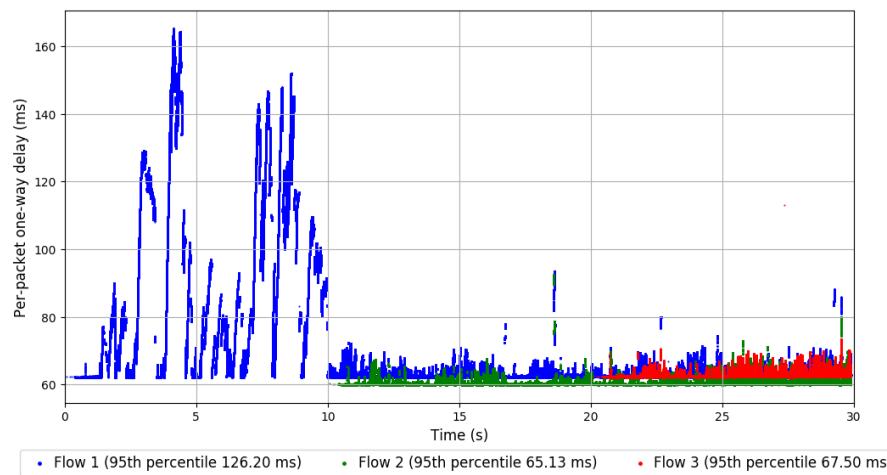
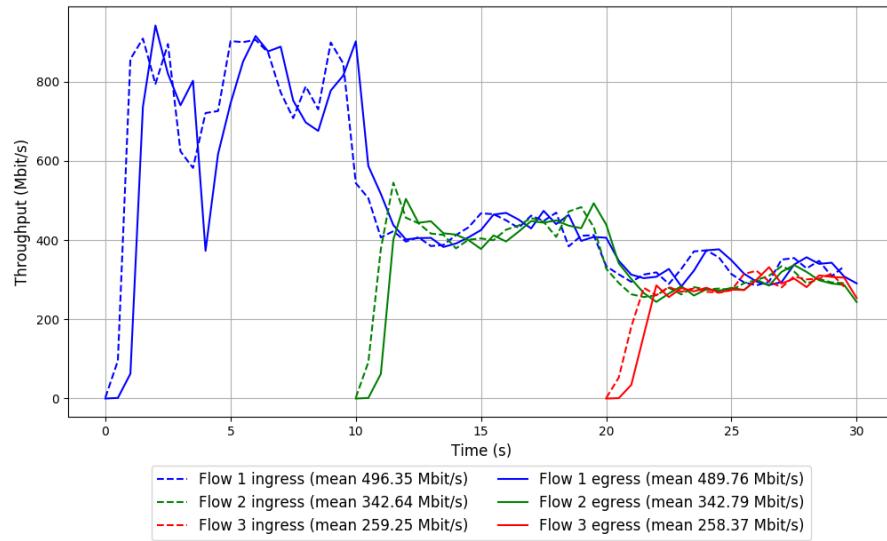


Run 2: Statistics of FillP

```
Start at: 2019-07-12 14:43:23
End at: 2019-07-12 14:43:53
Local clock offset: -0.068 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-07-12 18:29:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.28 Mbit/s
95th percentile per-packet one-way delay: 117.294 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 489.76 Mbit/s
95th percentile per-packet one-way delay: 126.197 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 65.128 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 258.37 Mbit/s
95th percentile per-packet one-way delay: 67.503 ms
Loss rate: 1.40%
```

Run 2: Report of FillP — Data Link

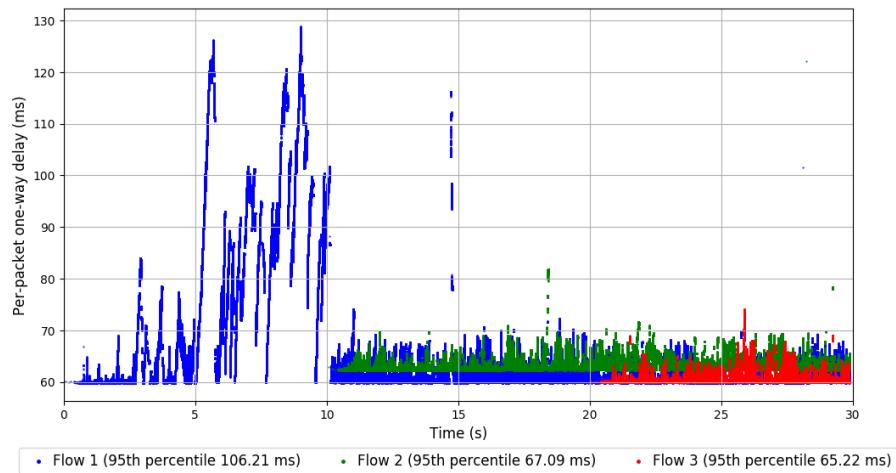
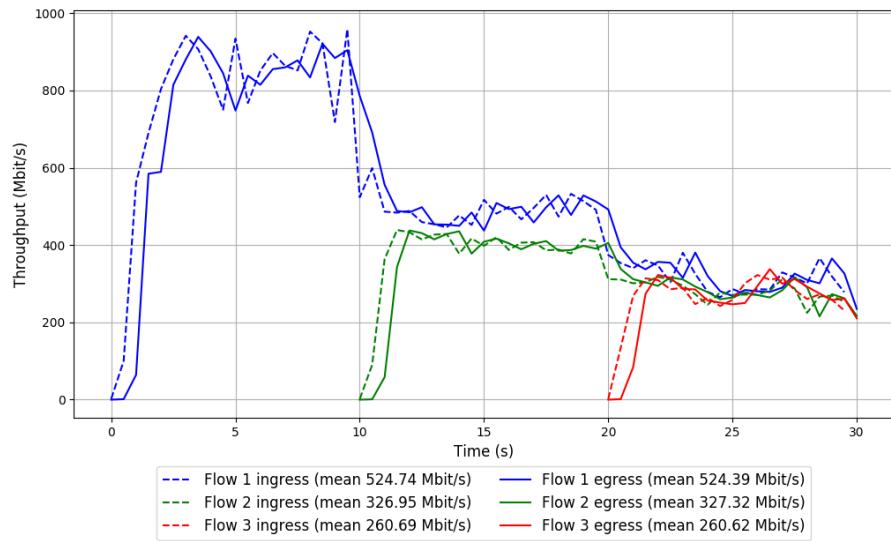


Run 3: Statistics of FillP

```
Start at: 2019-07-12 15:24:27
End at: 2019-07-12 15:24:57
Local clock offset: -0.002 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2019-07-12 18:32:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 827.39 Mbit/s
95th percentile per-packet one-way delay: 98.517 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 524.39 Mbit/s
95th percentile per-packet one-way delay: 106.211 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 327.32 Mbit/s
95th percentile per-packet one-way delay: 67.088 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 65.222 ms
Loss rate: 1.08%
```

Run 3: Report of FillP — Data Link

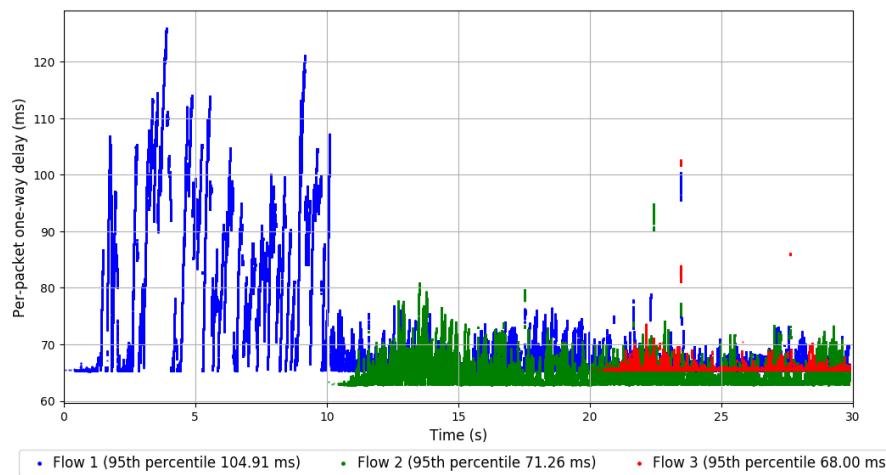
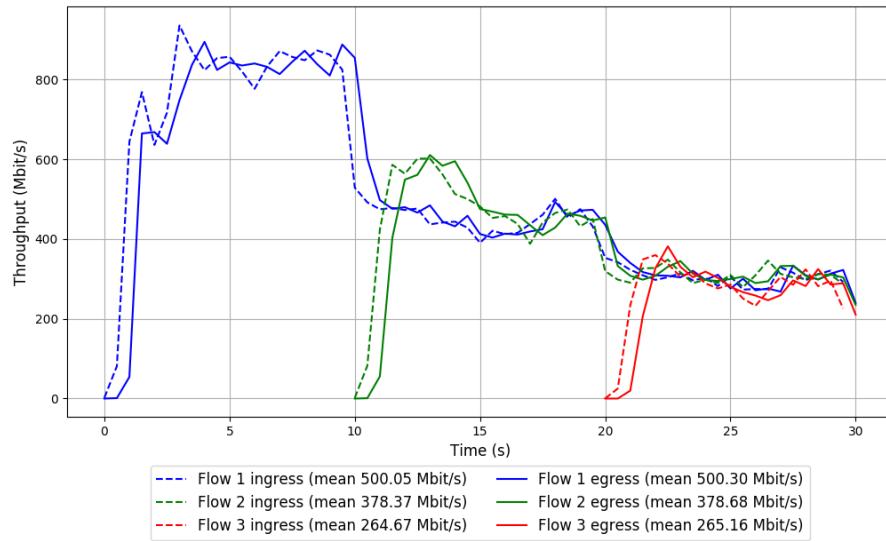


Run 4: Statistics of FillP

```
Start at: 2019-07-12 16:05:48
End at: 2019-07-12 16:06:18
Local clock offset: 0.045 ms
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2019-07-12 18:32:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.75 Mbit/s
95th percentile per-packet one-way delay: 100.770 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 500.30 Mbit/s
95th percentile per-packet one-way delay: 104.912 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 378.68 Mbit/s
95th percentile per-packet one-way delay: 71.258 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 265.16 Mbit/s
95th percentile per-packet one-way delay: 68.003 ms
Loss rate: 1.16%
```

Run 4: Report of FillP — Data Link

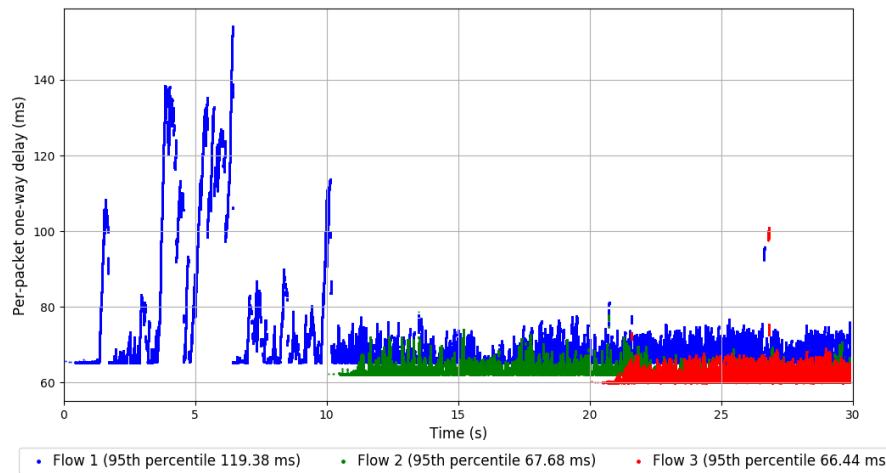
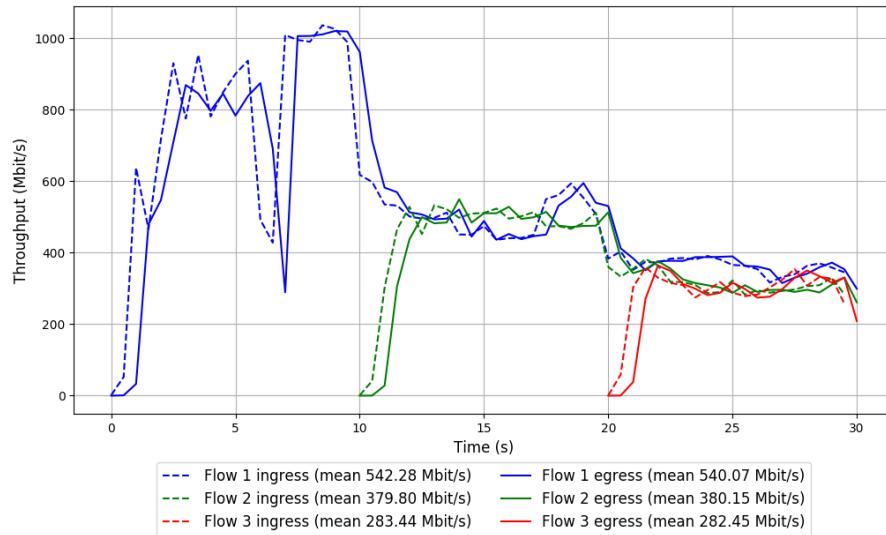


Run 5: Statistics of FillP

```
Start at: 2019-07-12 16:47:12
End at: 2019-07-12 16:47:42
Local clock offset: -0.028 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-07-12 18:33:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 885.43 Mbit/s
95th percentile per-packet one-way delay: 109.681 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 540.07 Mbit/s
95th percentile per-packet one-way delay: 119.383 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 380.15 Mbit/s
95th percentile per-packet one-way delay: 67.680 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 282.45 Mbit/s
95th percentile per-packet one-way delay: 66.436 ms
Loss rate: 1.48%
```

Run 5: Report of FillP — Data Link

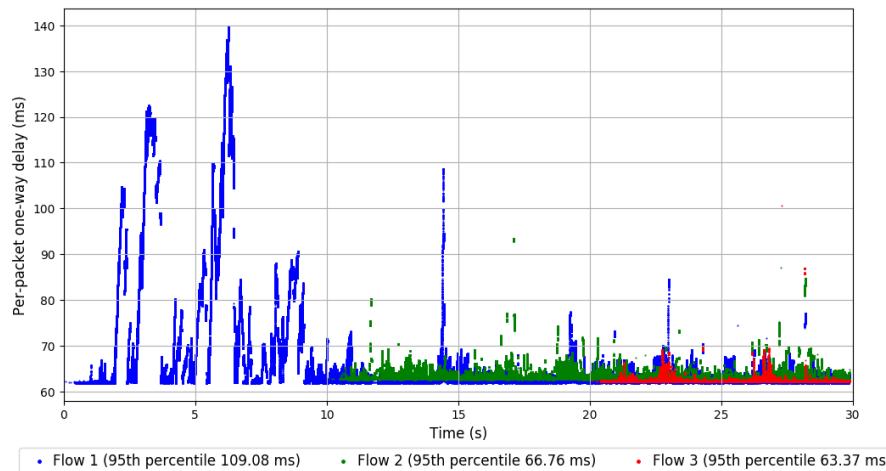
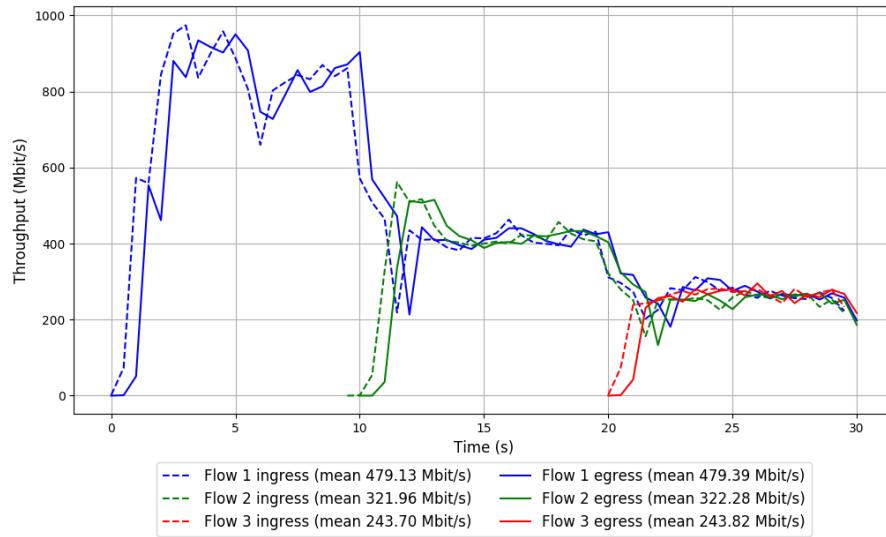


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-12 14:33:54
End at: 2019-07-12 14:34:24
Local clock offset: -0.032 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2019-07-12 18:33:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 773.38 Mbit/s
95th percentile per-packet one-way delay: 99.240 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 479.39 Mbit/s
95th percentile per-packet one-way delay: 109.084 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 322.28 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 243.82 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 1.23%
```

Run 1: Report of FillP-Sheep — Data Link

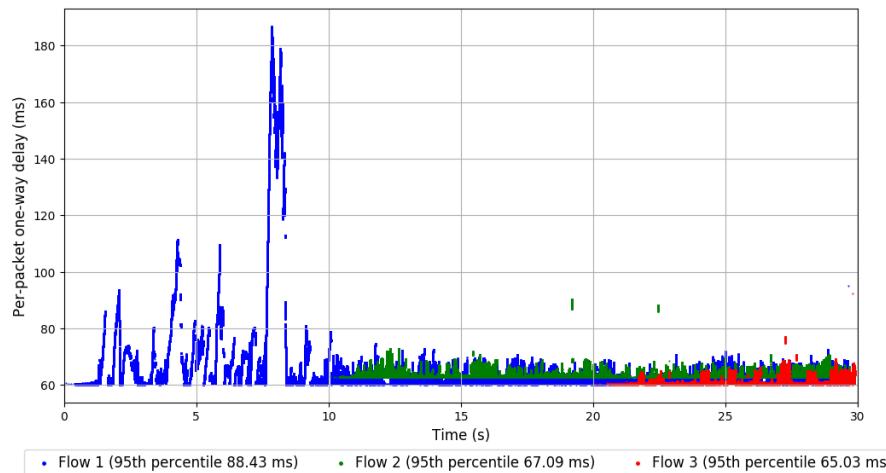
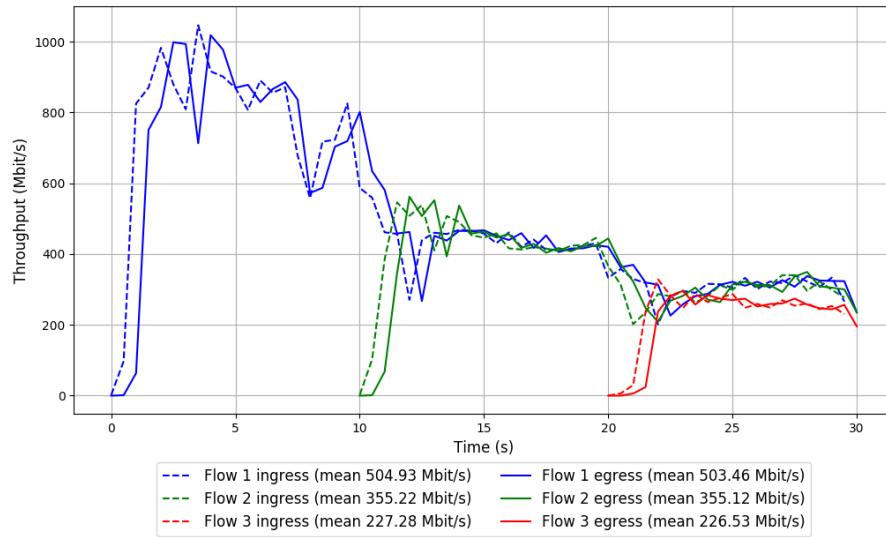


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-12 15:14:52
End at: 2019-07-12 15:15:22
Local clock offset: 0.005 ms
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2019-07-12 18:33:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 813.76 Mbit/s
95th percentile per-packet one-way delay: 79.939 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 503.46 Mbit/s
95th percentile per-packet one-way delay: 88.430 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 355.12 Mbit/s
95th percentile per-packet one-way delay: 67.093 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 226.53 Mbit/s
95th percentile per-packet one-way delay: 65.032 ms
Loss rate: 1.46%
```

Run 2: Report of FillP-Sheep — Data Link

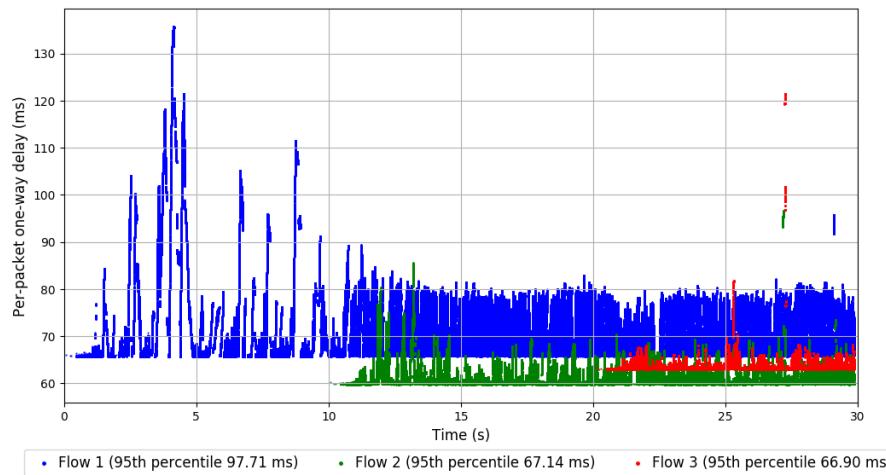
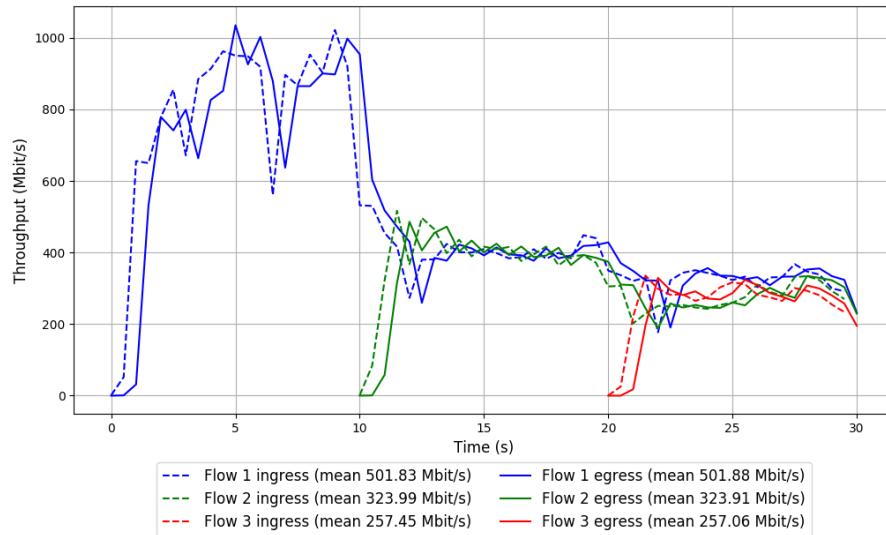


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-12 15:56:12
End at: 2019-07-12 15:56:42
Local clock offset: 0.036 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2019-07-12 18:33:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 801.67 Mbit/s
95th percentile per-packet one-way delay: 91.703 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 501.88 Mbit/s
95th percentile per-packet one-way delay: 97.708 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 323.91 Mbit/s
95th percentile per-packet one-way delay: 67.141 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 257.06 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 1.24%
```

Run 3: Report of FillP-Sheep — Data Link

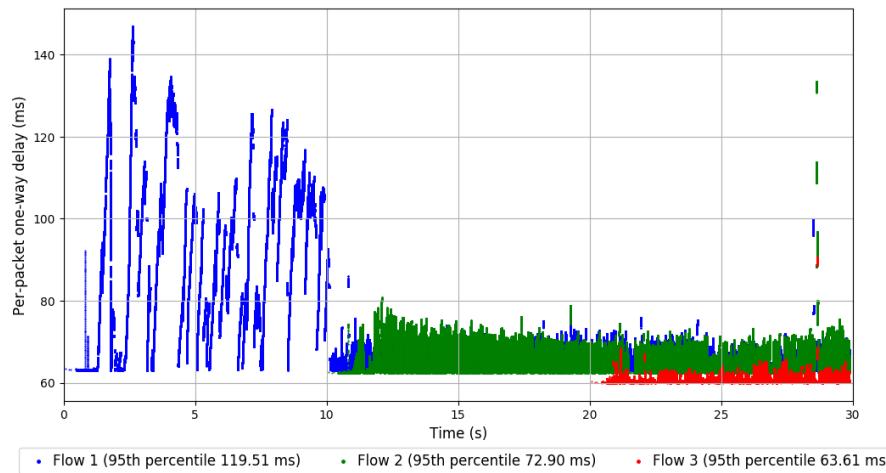
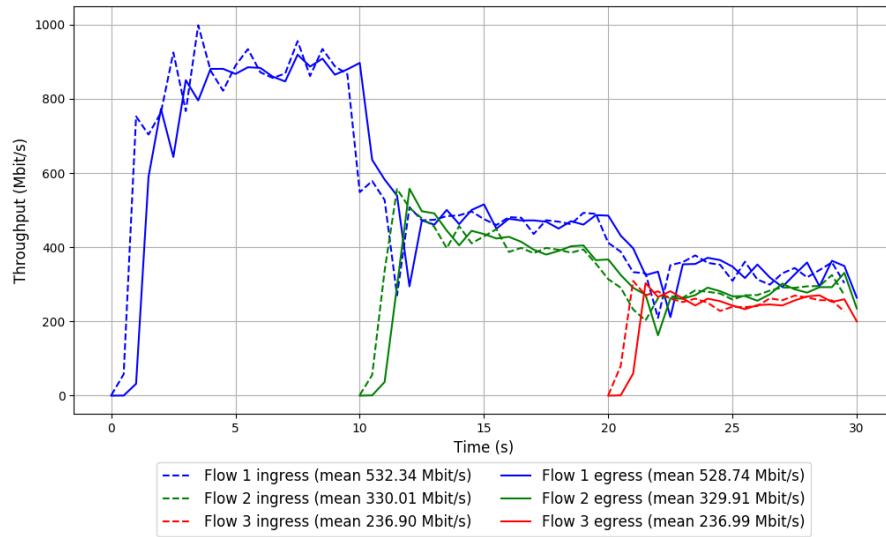


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-12 16:37:41
End at: 2019-07-12 16:38:11
Local clock offset: -0.063 ms
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2019-07-12 18:36:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.57 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 528.74 Mbit/s
95th percentile per-packet one-way delay: 119.508 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 329.91 Mbit/s
95th percentile per-packet one-way delay: 72.897 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 236.99 Mbit/s
95th percentile per-packet one-way delay: 63.606 ms
Loss rate: 1.31%
```

Run 4: Report of FillP-Sheep — Data Link

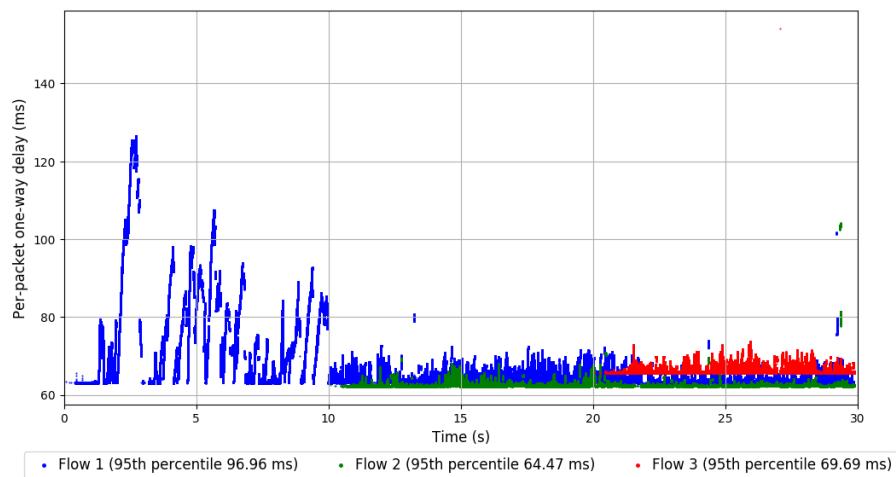
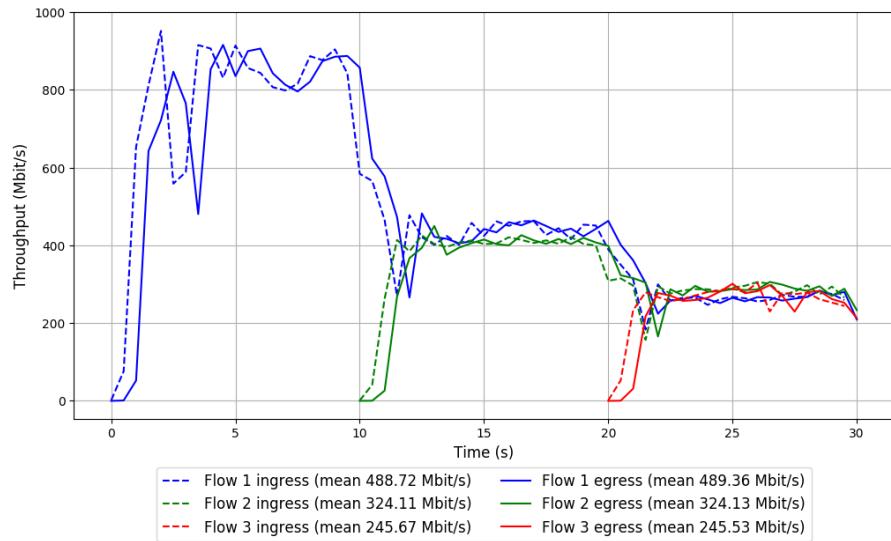


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-12 17:18:58
End at: 2019-07-12 17:19:28
Local clock offset: -0.017 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2019-07-12 18:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 784.84 Mbit/s
95th percentile per-packet one-way delay: 90.099 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 489.36 Mbit/s
95th percentile per-packet one-way delay: 96.961 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 324.13 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 245.53 Mbit/s
95th percentile per-packet one-way delay: 69.692 ms
Loss rate: 1.43%
```

Run 5: Report of FillP-Sheep — Data Link

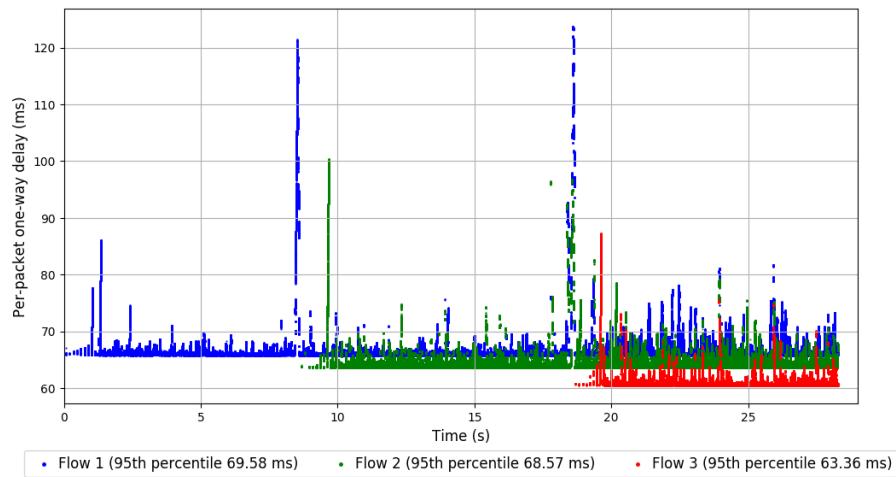
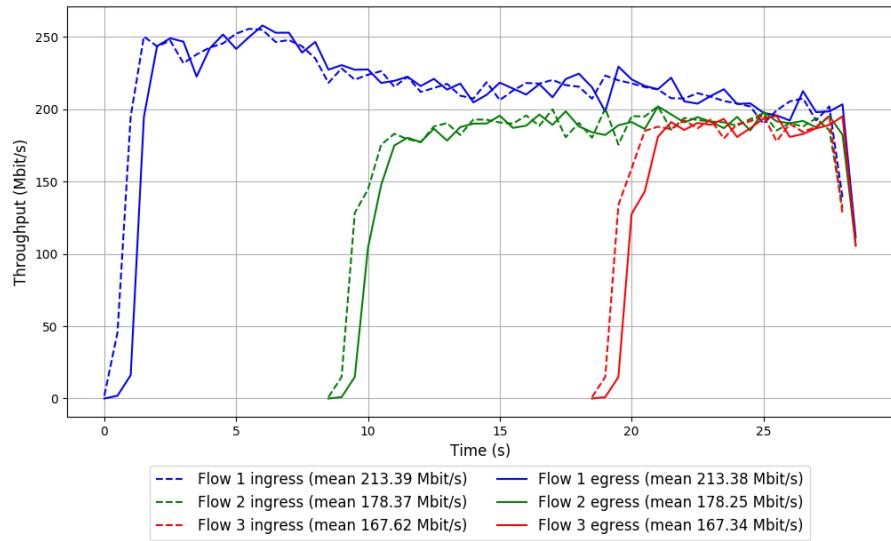


Run 1: Statistics of Indigo

```
Start at: 2019-07-12 14:28:22
End at: 2019-07-12 14:28:52
Local clock offset: -0.008 ms
Remote clock offset: -0.796 ms

# Below is generated by plot.py at 2019-07-12 18:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.25 Mbit/s
95th percentile per-packet one-way delay: 68.885 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 213.38 Mbit/s
95th percentile per-packet one-way delay: 69.585 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 178.25 Mbit/s
95th percentile per-packet one-way delay: 68.574 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 167.34 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 1.40%
```

Run 1: Report of Indigo — Data Link

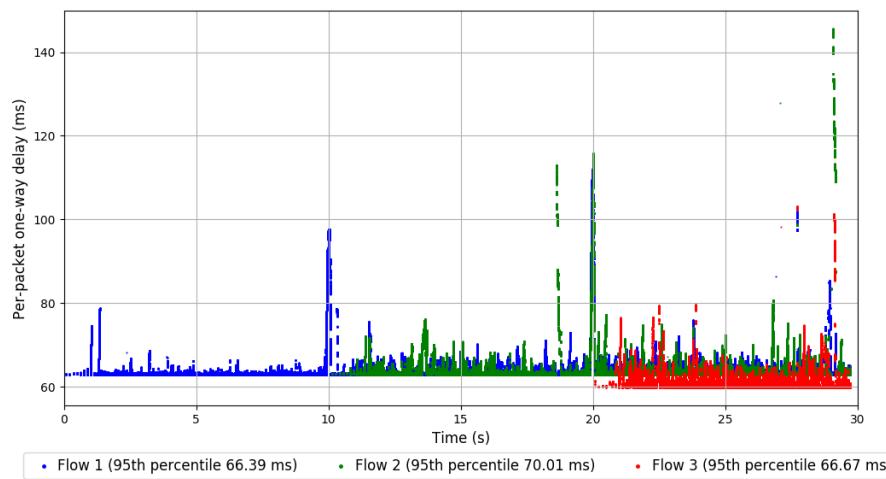
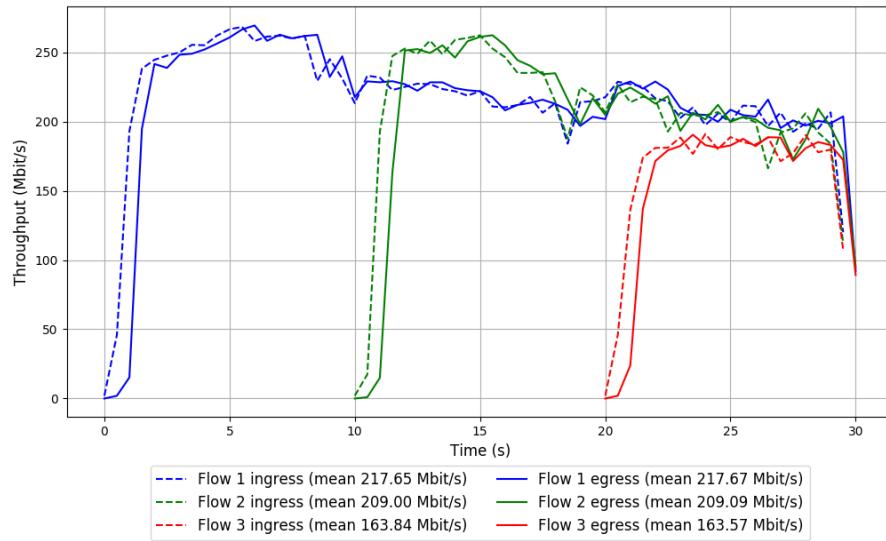


Run 2: Statistics of Indigo

```
Start at: 2019-07-12 15:09:14
End at: 2019-07-12 15:09:44
Local clock offset: -0.034 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2019-07-12 18:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.04 Mbit/s
95th percentile per-packet one-way delay: 67.456 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 217.67 Mbit/s
95th percentile per-packet one-way delay: 66.388 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 209.09 Mbit/s
95th percentile per-packet one-way delay: 70.008 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 163.57 Mbit/s
95th percentile per-packet one-way delay: 66.671 ms
Loss rate: 1.36%
```

Run 2: Report of Indigo — Data Link

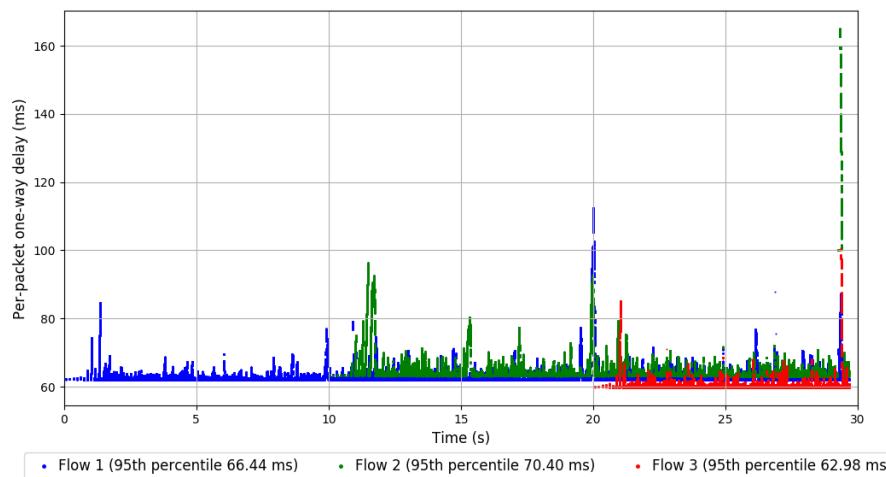
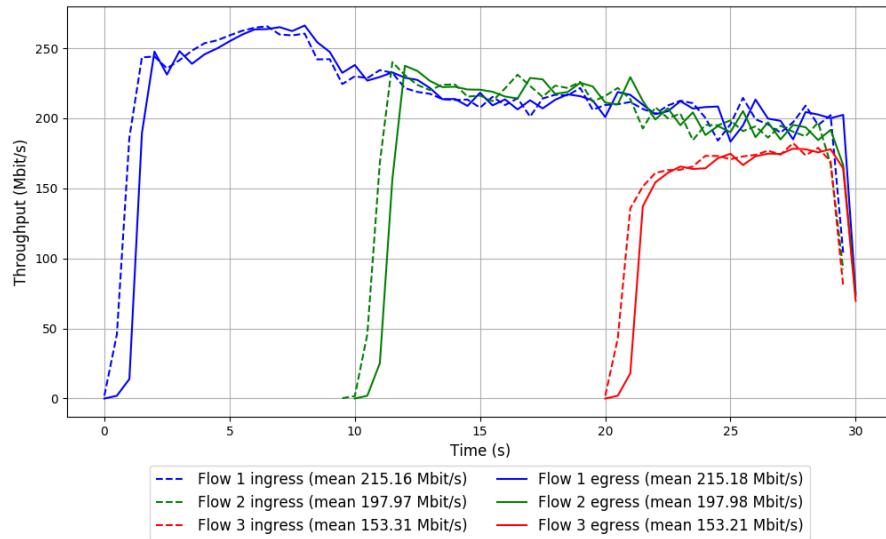


Run 3: Statistics of Indigo

```
Start at: 2019-07-12 15:50:32
End at: 2019-07-12 15:51:02
Local clock offset: 0.019 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2019-07-12 18:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.11 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 215.18 Mbit/s
95th percentile per-packet one-way delay: 66.437 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 197.98 Mbit/s
95th percentile per-packet one-way delay: 70.404 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 153.21 Mbit/s
95th percentile per-packet one-way delay: 62.982 ms
Loss rate: 1.30%
```

Run 3: Report of Indigo — Data Link

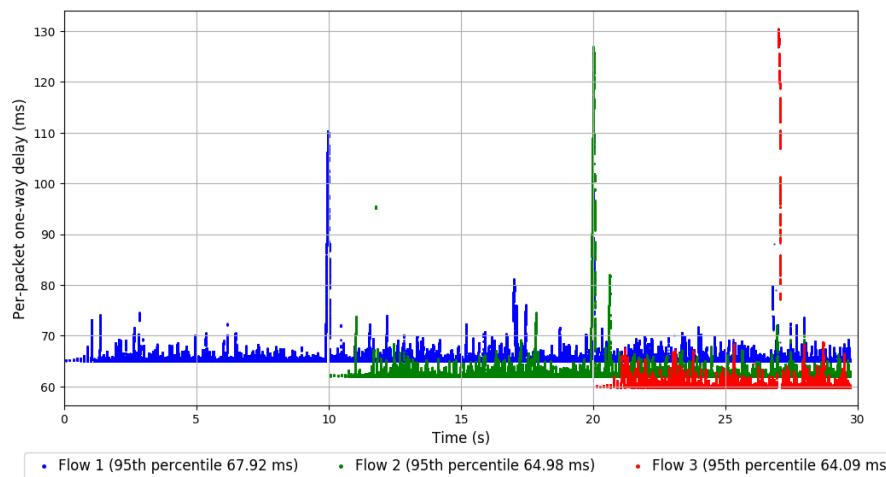
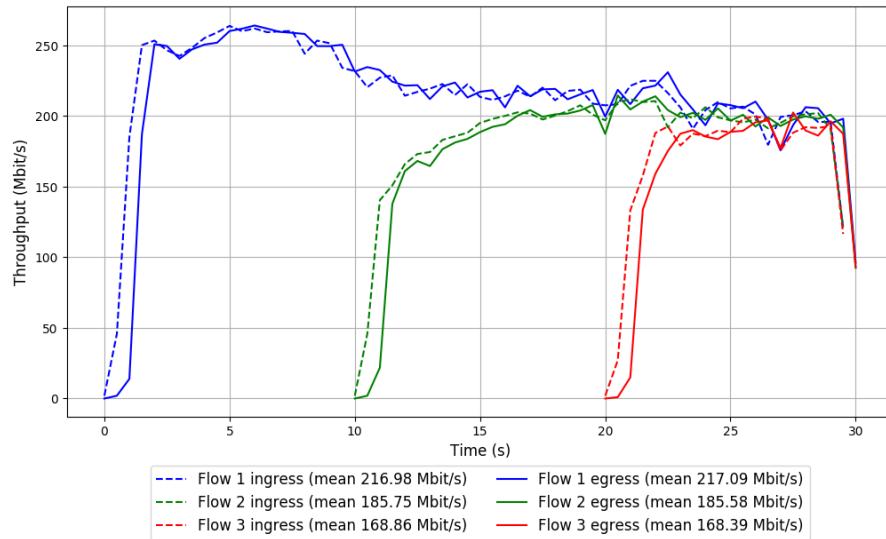


Run 4: Statistics of Indigo

```
Start at: 2019-07-12 16:32:00
End at: 2019-07-12 16:32:30
Local clock offset: -0.055 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-07-12 18:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.56 Mbit/s
95th percentile per-packet one-way delay: 67.262 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 217.09 Mbit/s
95th percentile per-packet one-way delay: 67.915 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 185.58 Mbit/s
95th percentile per-packet one-way delay: 64.983 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 64.092 ms
Loss rate: 1.53%
```

Run 4: Report of Indigo — Data Link

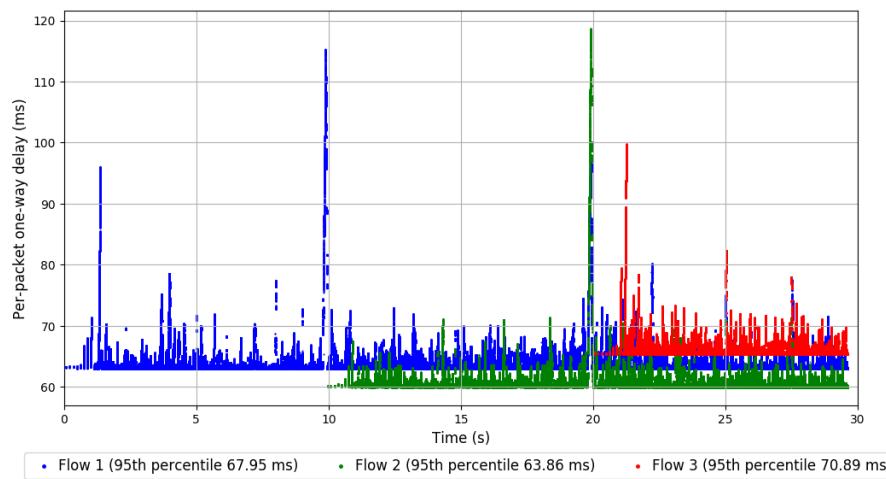
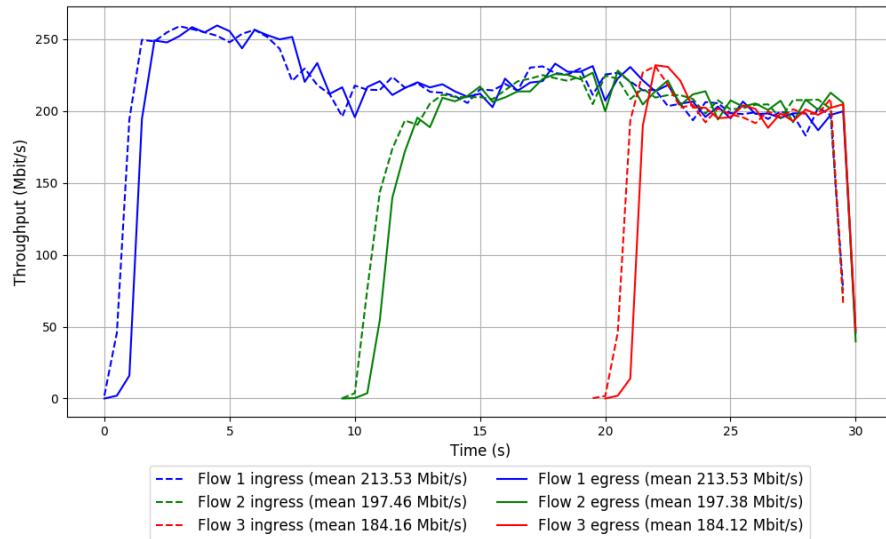


Run 5: Statistics of Indigo

```
Start at: 2019-07-12 17:13:17
End at: 2019-07-12 17:13:47
Local clock offset: 0.006 ms
Remote clock offset: -0.228 ms

# Below is generated by plot.py at 2019-07-12 18:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.40 Mbit/s
95th percentile per-packet one-way delay: 68.143 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 213.53 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 197.38 Mbit/s
95th percentile per-packet one-way delay: 63.863 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 184.12 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 1.34%
```

Run 5: Report of Indigo — Data Link

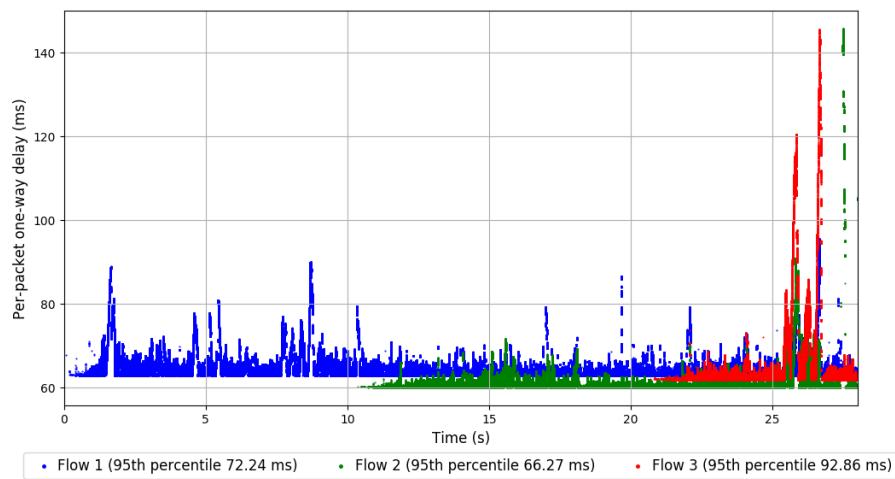
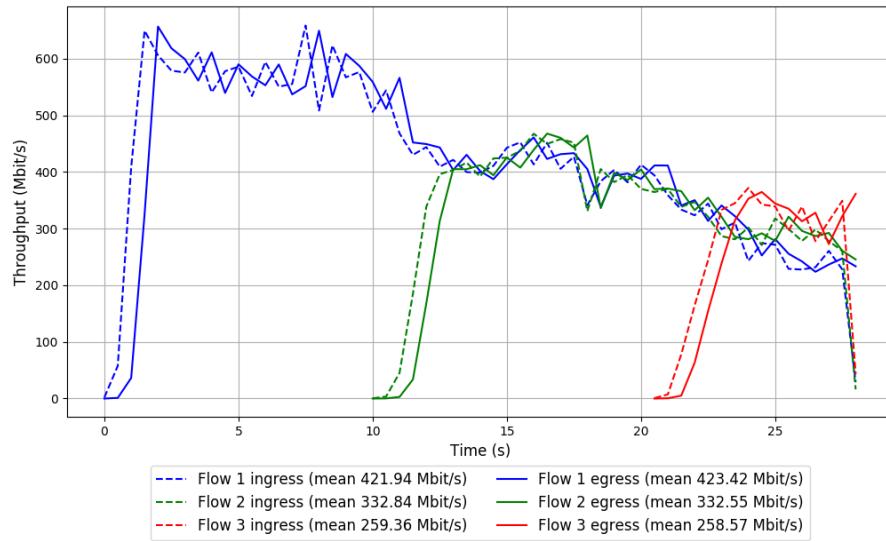


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 14:17:12
End at: 2019-07-12 14:17:42
Local clock offset: 0.019 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-12 18:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 700.09 Mbit/s
95th percentile per-packet one-way delay: 71.959 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 423.42 Mbit/s
95th percentile per-packet one-way delay: 72.237 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 332.55 Mbit/s
95th percentile per-packet one-way delay: 66.265 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 258.57 Mbit/s
95th percentile per-packet one-way delay: 92.855 ms
Loss rate: 1.95%
```

Run 1: Report of Indigo-MusesC3 — Data Link

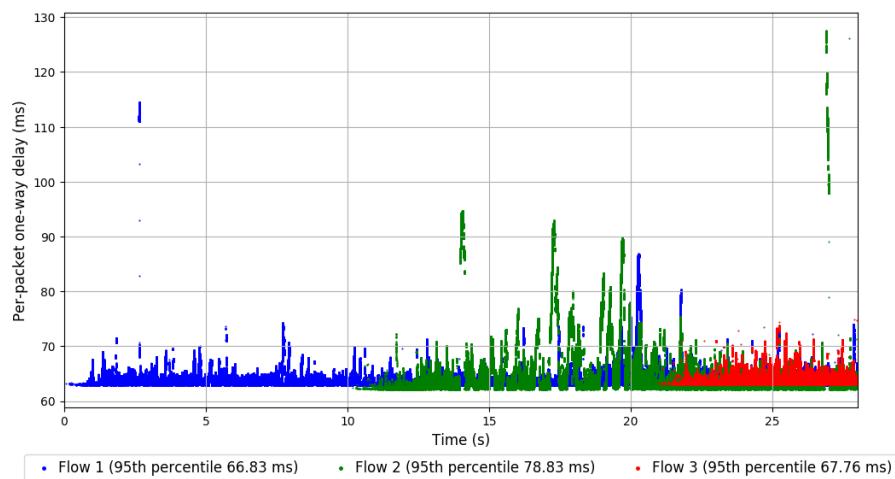
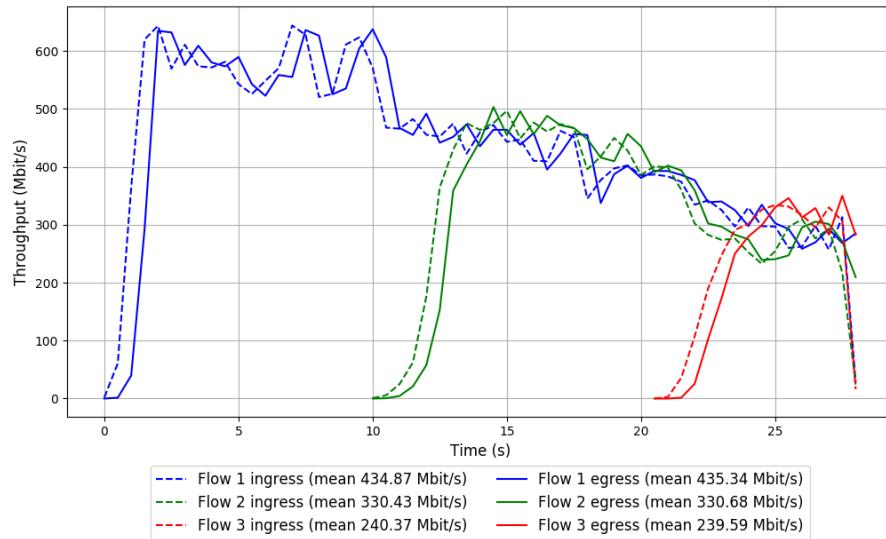


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 14:58:07
End at: 2019-07-12 14:58:37
Local clock offset: -0.043 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2019-07-12 18:49:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 706.09 Mbit/s
95th percentile per-packet one-way delay: 70.628 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 435.34 Mbit/s
95th percentile per-packet one-way delay: 66.834 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 330.68 Mbit/s
95th percentile per-packet one-way delay: 78.832 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 239.59 Mbit/s
95th percentile per-packet one-way delay: 67.756 ms
Loss rate: 1.95%
```

Run 2: Report of Indigo-MusesC3 — Data Link

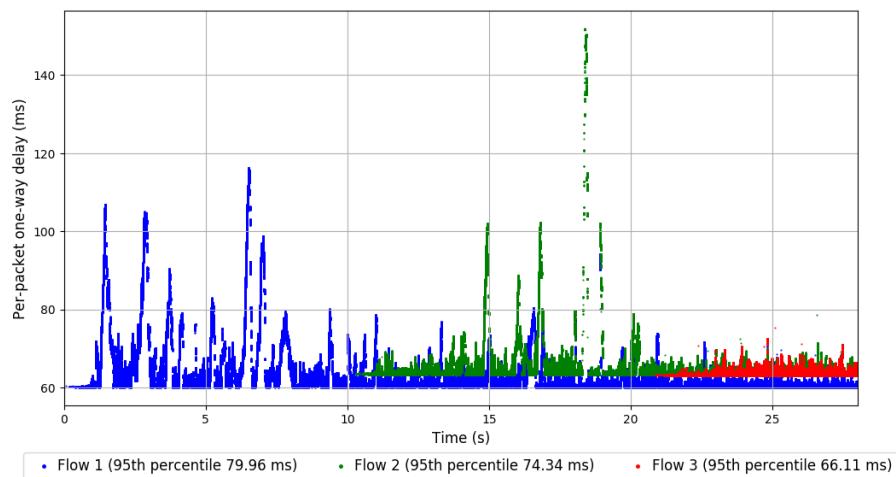
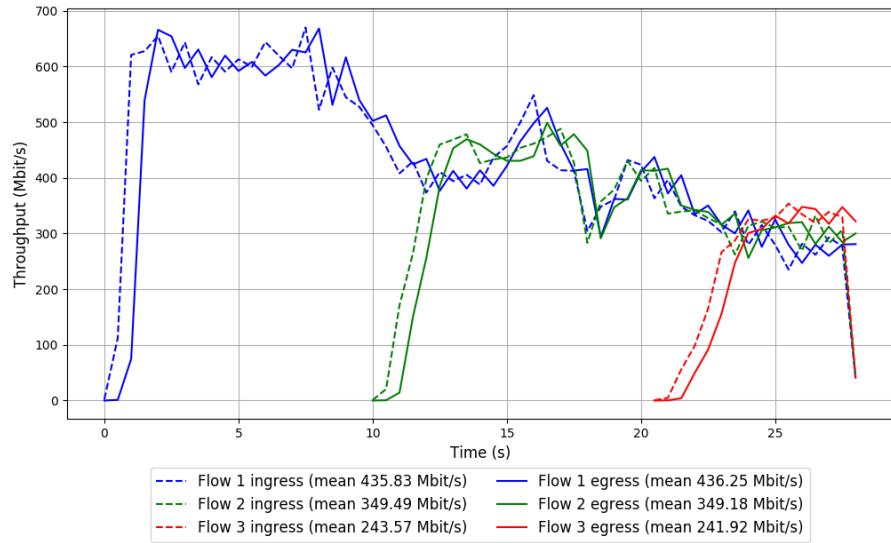


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 15:39:21
End at: 2019-07-12 15:39:51
Local clock offset: 0.019 ms
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2019-07-12 18:57:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 721.18 Mbit/s
95th percentile per-packet one-way delay: 77.330 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 436.25 Mbit/s
95th percentile per-packet one-way delay: 79.962 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 349.18 Mbit/s
95th percentile per-packet one-way delay: 74.339 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 241.92 Mbit/s
95th percentile per-packet one-way delay: 66.111 ms
Loss rate: 2.35%
```

Run 3: Report of Indigo-MusesC3 — Data Link

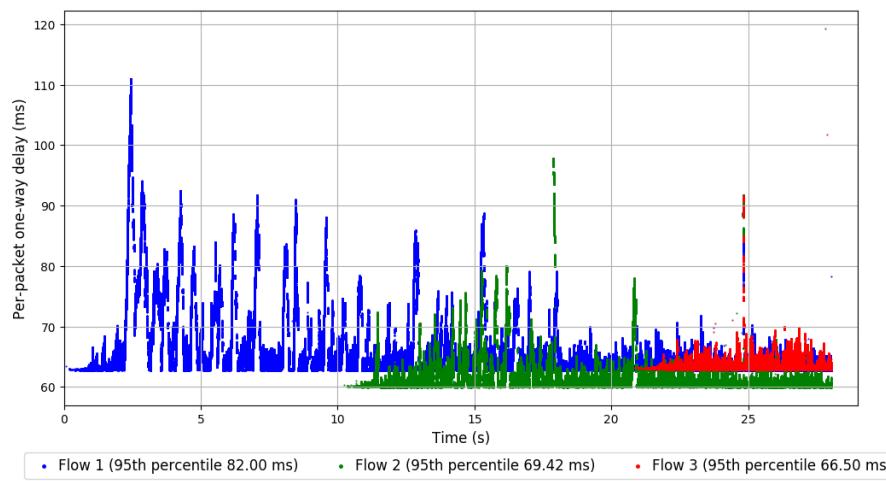
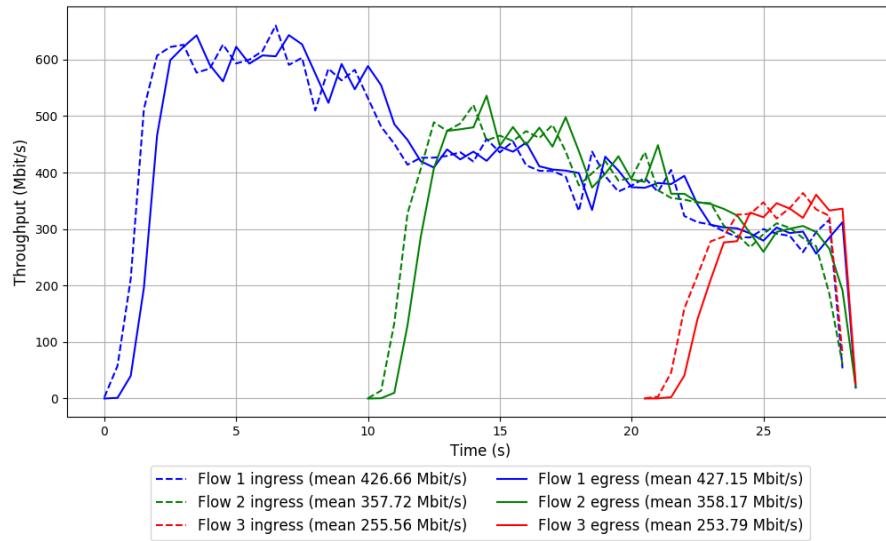


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 16:20:45
End at: 2019-07-12 16:21:15
Local clock offset: 0.001 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2019-07-12 18:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 720.49 Mbit/s
95th percentile per-packet one-way delay: 78.377 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 427.15 Mbit/s
95th percentile per-packet one-way delay: 81.998 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 358.17 Mbit/s
95th percentile per-packet one-way delay: 69.417 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 253.79 Mbit/s
95th percentile per-packet one-way delay: 66.497 ms
Loss rate: 2.40%
```

Run 4: Report of Indigo-MusesC3 — Data Link

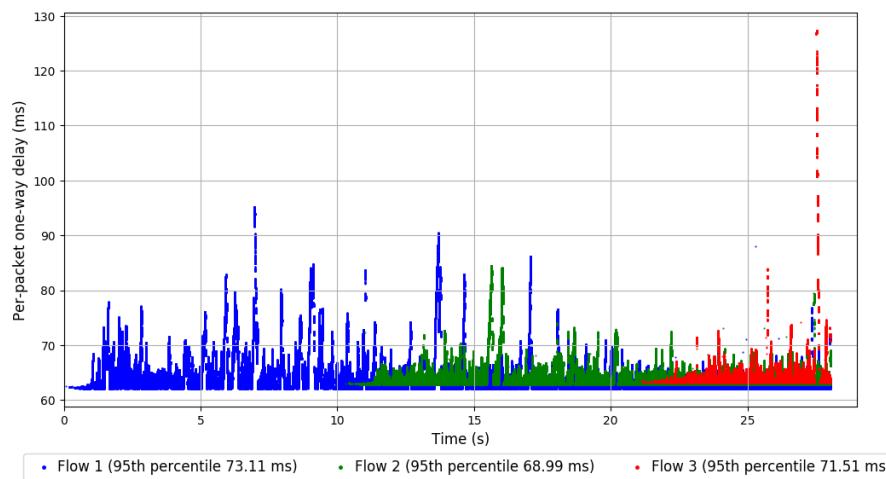
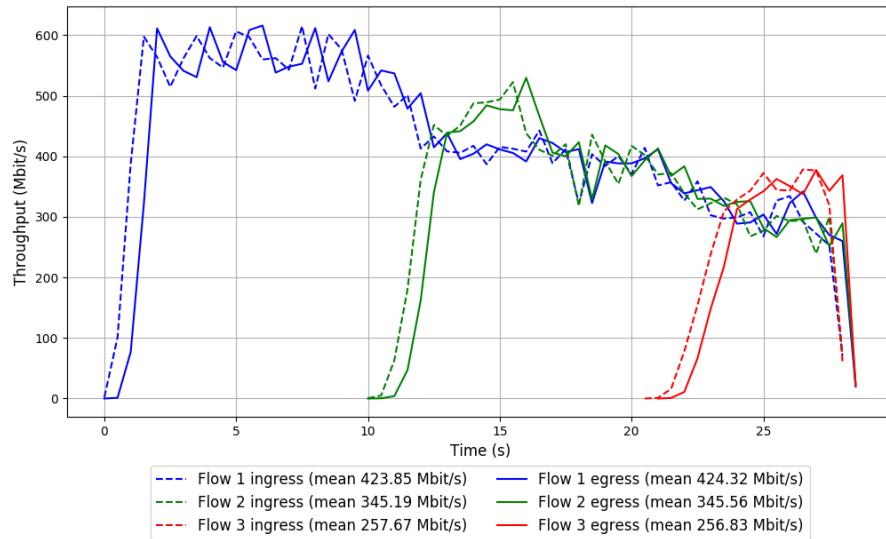


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 17:02:03
End at: 2019-07-12 17:02:33
Local clock offset: 0.015 ms
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2019-07-12 18:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 707.66 Mbit/s
95th percentile per-packet one-way delay: 71.823 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 424.32 Mbit/s
95th percentile per-packet one-way delay: 73.109 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 345.56 Mbit/s
95th percentile per-packet one-way delay: 68.986 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 256.83 Mbit/s
95th percentile per-packet one-way delay: 71.507 ms
Loss rate: 2.09%
```

Run 5: Report of Indigo-MusesC3 — Data Link

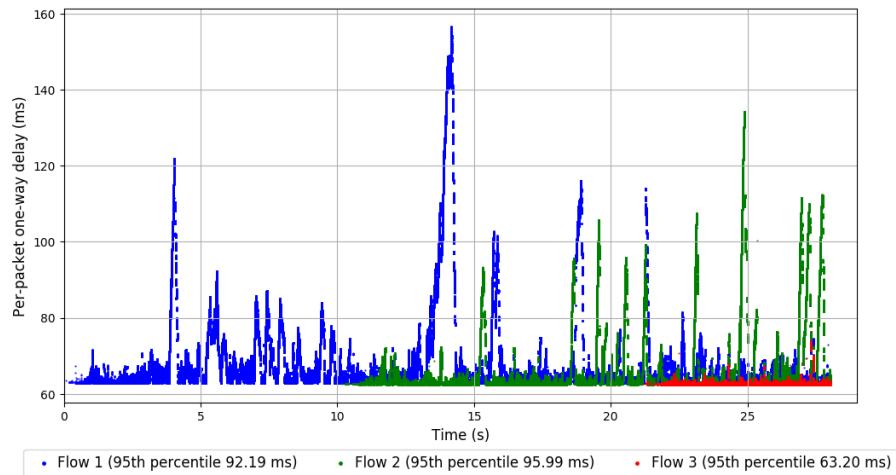
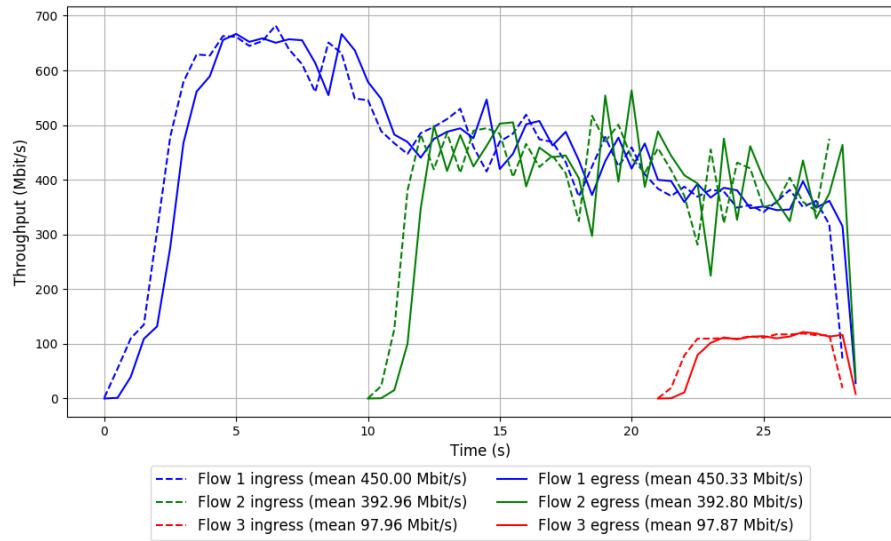


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 14:08:48
End at: 2019-07-12 14:09:18
Local clock offset: -0.004 ms
Remote clock offset: -0.266 ms

# Below is generated by plot.py at 2019-07-12 18:58:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 725.18 Mbit/s
95th percentile per-packet one-way delay: 93.284 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 450.33 Mbit/s
95th percentile per-packet one-way delay: 92.185 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 392.80 Mbit/s
95th percentile per-packet one-way delay: 95.986 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 97.87 Mbit/s
95th percentile per-packet one-way delay: 63.197 ms
Loss rate: 1.83%
```

Run 1: Report of Indigo-MusesC5 — Data Link

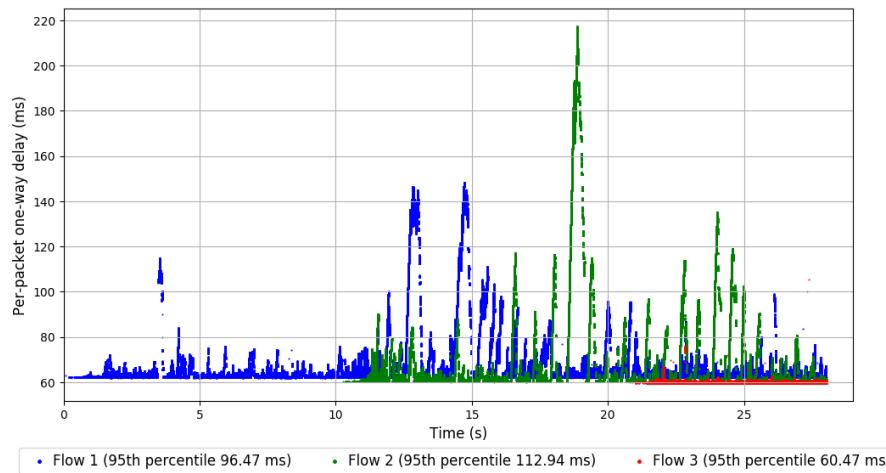
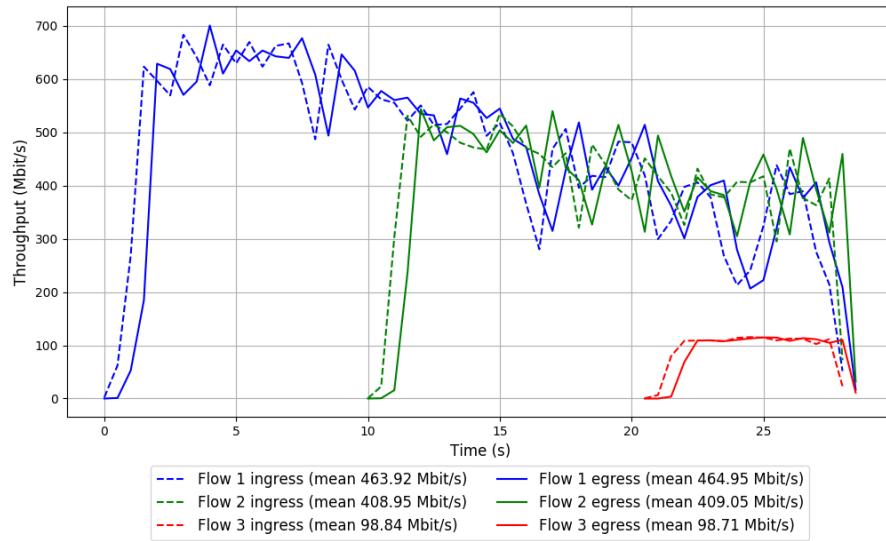


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 14:49:41
End at: 2019-07-12 14:50:11
Local clock offset: -0.048 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-07-12 18:59:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 750.10 Mbit/s
95th percentile per-packet one-way delay: 104.637 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 464.95 Mbit/s
95th percentile per-packet one-way delay: 96.467 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 409.05 Mbit/s
95th percentile per-packet one-way delay: 112.945 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 60.466 ms
Loss rate: 1.82%
```

Run 2: Report of Indigo-MusesC5 — Data Link

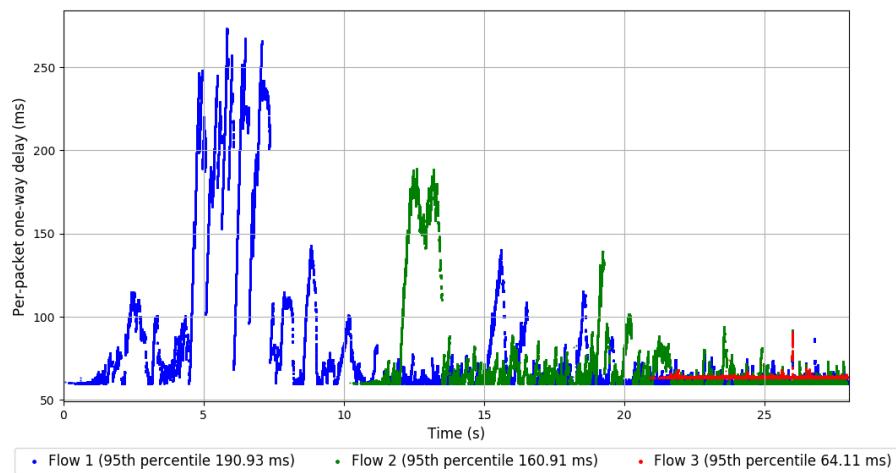
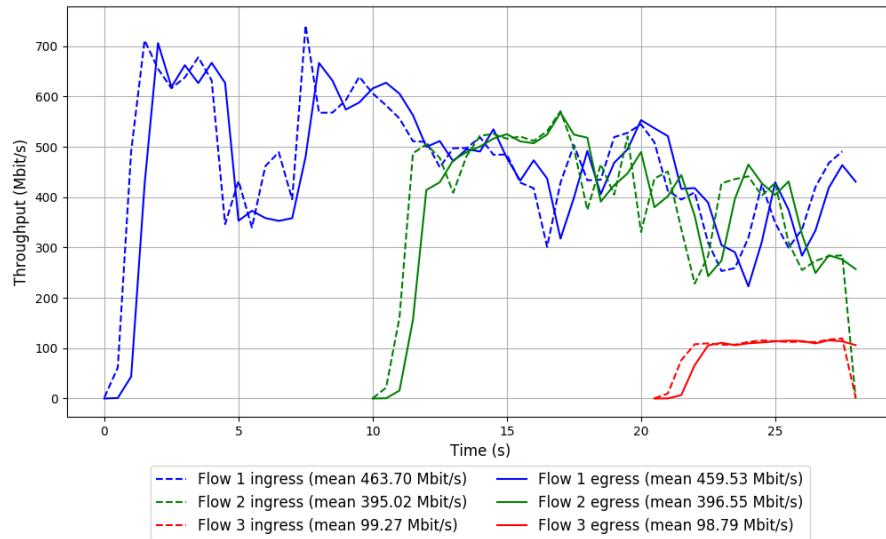


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 15:31:00
End at: 2019-07-12 15:31:30
Local clock offset: -0.039 ms
Remote clock offset: -0.263 ms

# Below is generated by plot.py at 2019-07-12 19:00:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.65 Mbit/s
95th percentile per-packet one-way delay: 169.609 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 459.53 Mbit/s
95th percentile per-packet one-way delay: 190.927 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 396.55 Mbit/s
95th percentile per-packet one-way delay: 160.910 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 98.79 Mbit/s
95th percentile per-packet one-way delay: 64.115 ms
Loss rate: 2.17%
```

Run 3: Report of Indigo-MusesC5 — Data Link

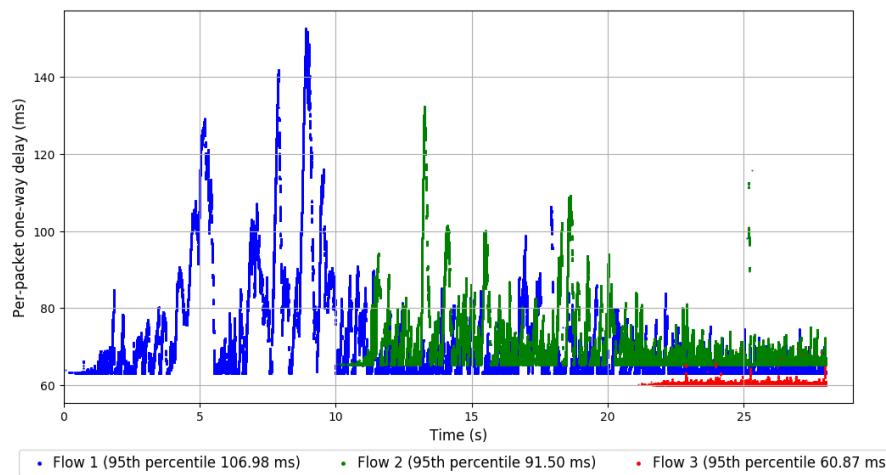
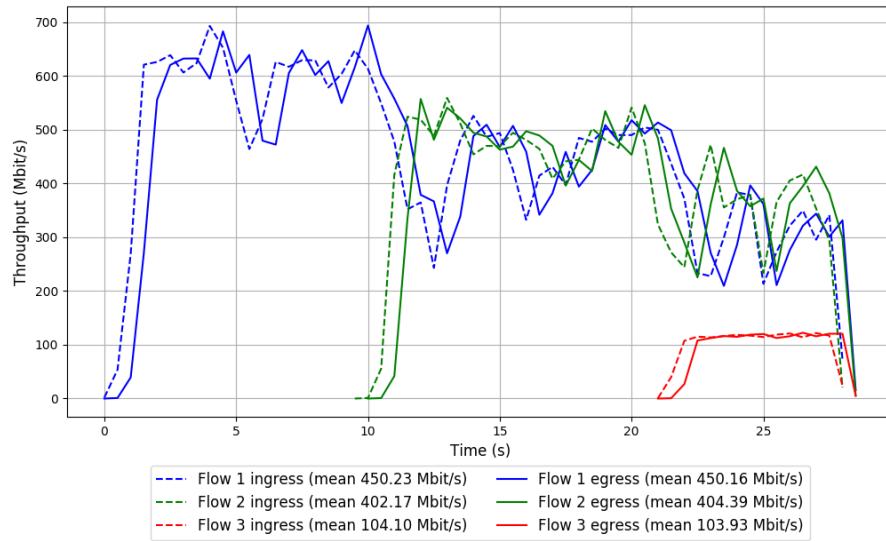


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 16:12:22
End at: 2019-07-12 16:12:52
Local clock offset: 0.037 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2019-07-12 19:00:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 735.65 Mbit/s
95th percentile per-packet one-way delay: 101.492 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 450.16 Mbit/s
95th percentile per-packet one-way delay: 106.981 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 404.39 Mbit/s
95th percentile per-packet one-way delay: 91.501 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 103.93 Mbit/s
95th percentile per-packet one-way delay: 60.874 ms
Loss rate: 1.99%
```

Run 4: Report of Indigo-MusesC5 — Data Link

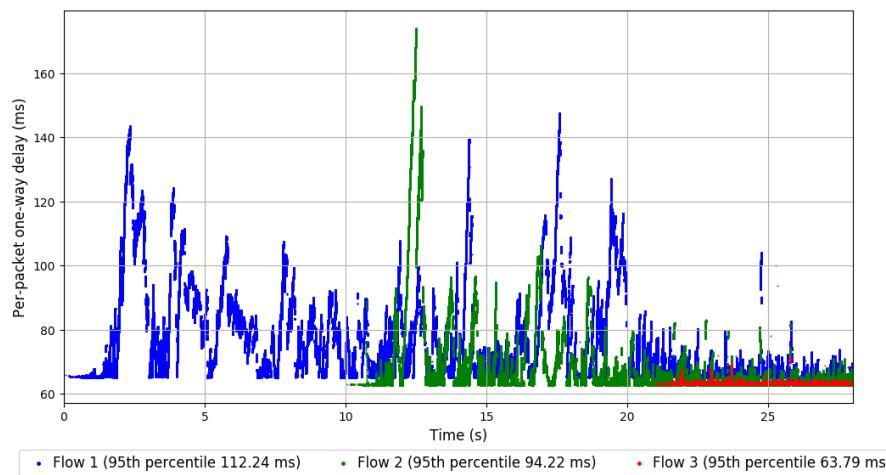
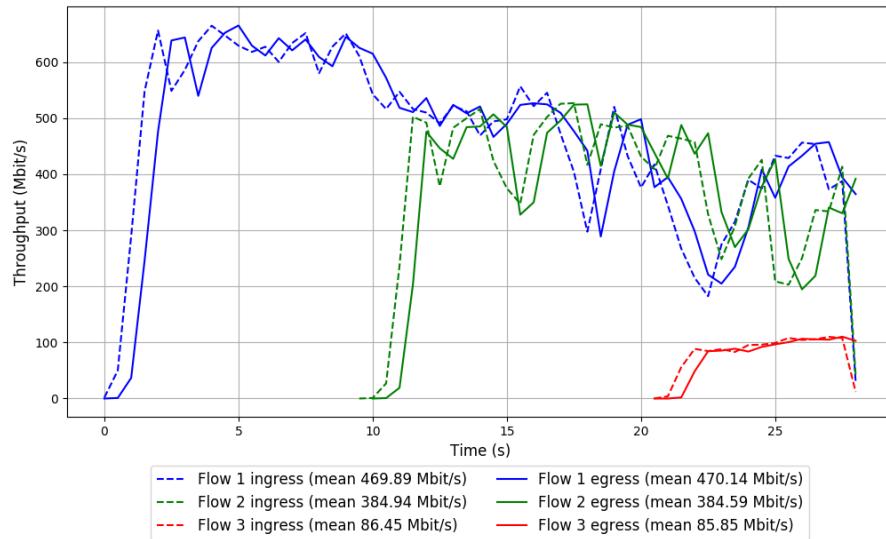


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 16:53:45
End at: 2019-07-12 16:54:15
Local clock offset: -0.035 ms
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2019-07-12 19:02:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 738.81 Mbit/s
95th percentile per-packet one-way delay: 108.963 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 470.14 Mbit/s
95th percentile per-packet one-way delay: 112.243 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 384.59 Mbit/s
95th percentile per-packet one-way delay: 94.222 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 63.791 ms
Loss rate: 2.42%
```

Run 5: Report of Indigo-MusesC5 — Data Link

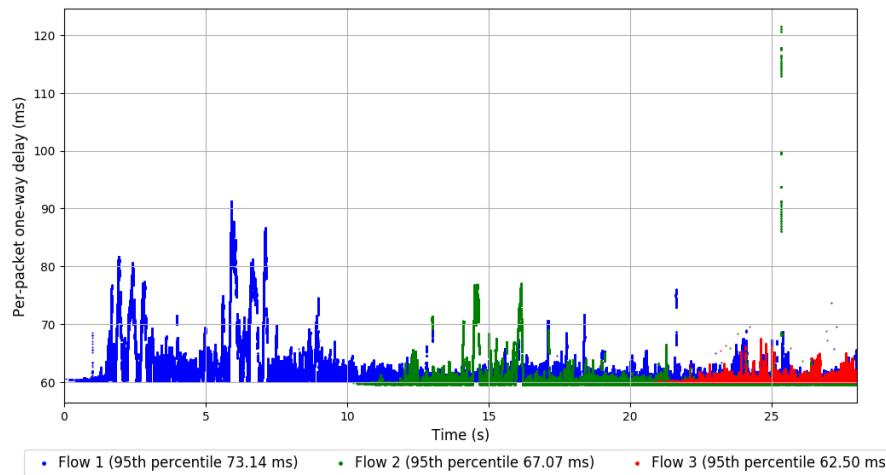
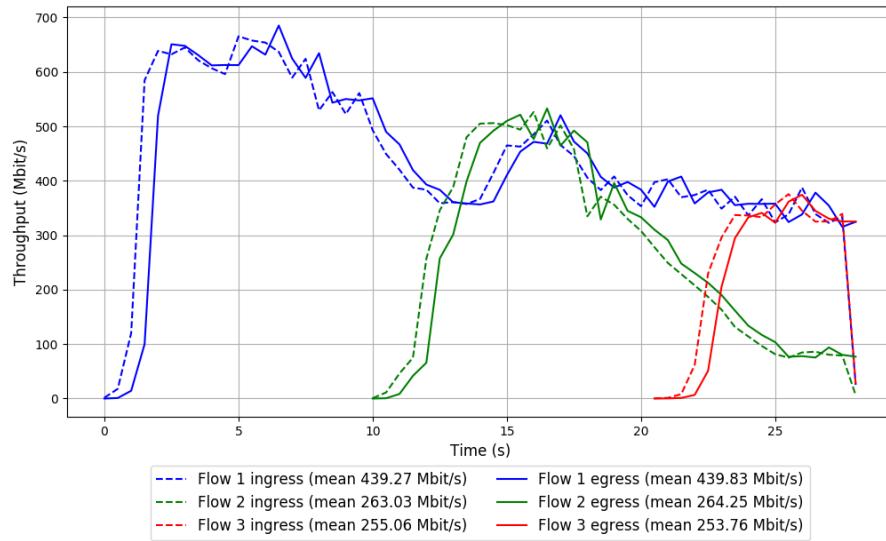


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 14:05:52
End at: 2019-07-12 14:06:22
Local clock offset: -0.007 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-07-12 19:08:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 672.66 Mbit/s
95th percentile per-packet one-way delay: 70.632 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 439.83 Mbit/s
95th percentile per-packet one-way delay: 73.142 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 264.25 Mbit/s
95th percentile per-packet one-way delay: 67.073 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 253.76 Mbit/s
95th percentile per-packet one-way delay: 62.496 ms
Loss rate: 2.17%
```

Run 1: Report of Indigo-MusesD — Data Link

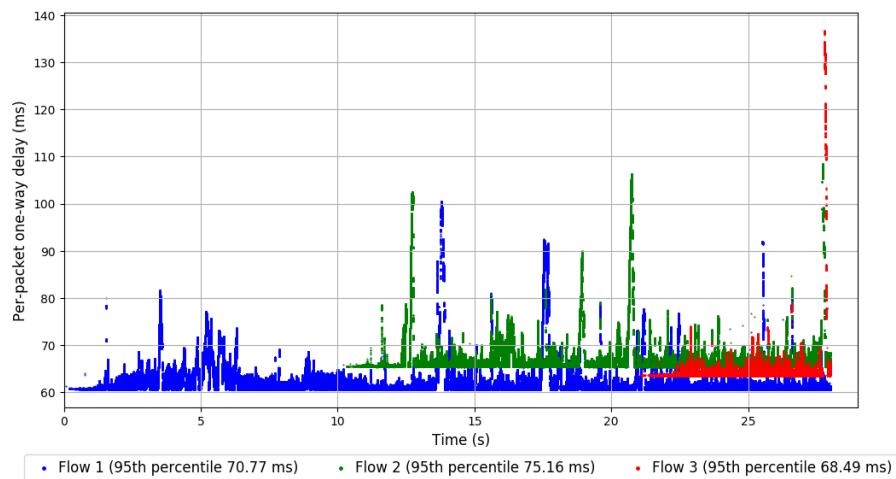
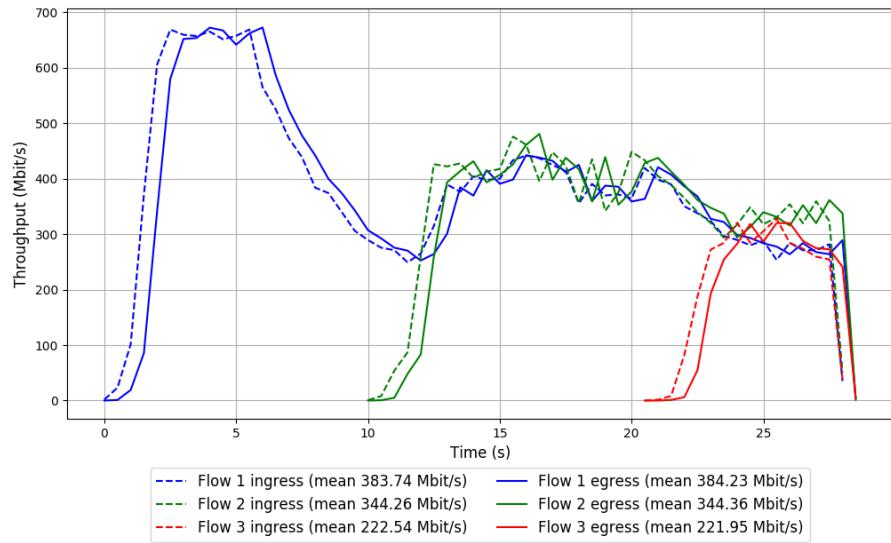


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 14:46:44
End at: 2019-07-12 14:47:14
Local clock offset: -0.042 ms
Remote clock offset: -0.302 ms

# Below is generated by plot.py at 2019-07-12 19:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.37 Mbit/s
95th percentile per-packet one-way delay: 72.411 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 384.23 Mbit/s
95th percentile per-packet one-way delay: 70.765 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 344.36 Mbit/s
95th percentile per-packet one-way delay: 75.164 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 221.95 Mbit/s
95th percentile per-packet one-way delay: 68.488 ms
Loss rate: 2.12%
```

Run 2: Report of Indigo-MusesD — Data Link

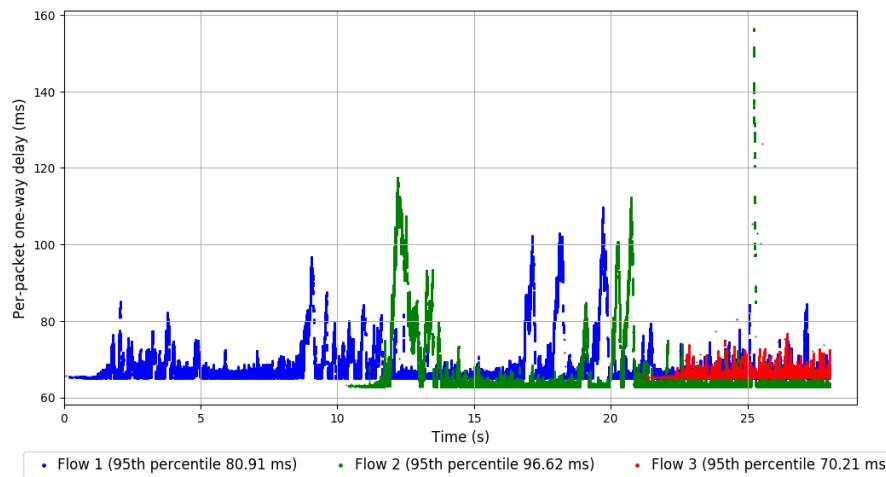
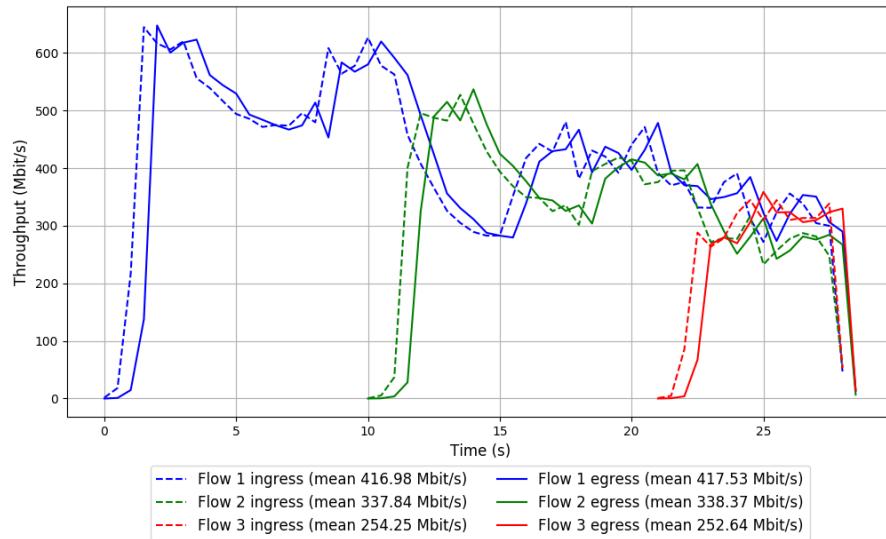


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 15:28:02
End at: 2019-07-12 15:28:32
Local clock offset: -0.028 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2019-07-12 19:10:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 694.18 Mbit/s
95th percentile per-packet one-way delay: 83.771 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 417.53 Mbit/s
95th percentile per-packet one-way delay: 80.905 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 338.37 Mbit/s
95th percentile per-packet one-way delay: 96.617 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 252.64 Mbit/s
95th percentile per-packet one-way delay: 70.208 ms
Loss rate: 2.40%
```

Run 3: Report of Indigo-MusesD — Data Link

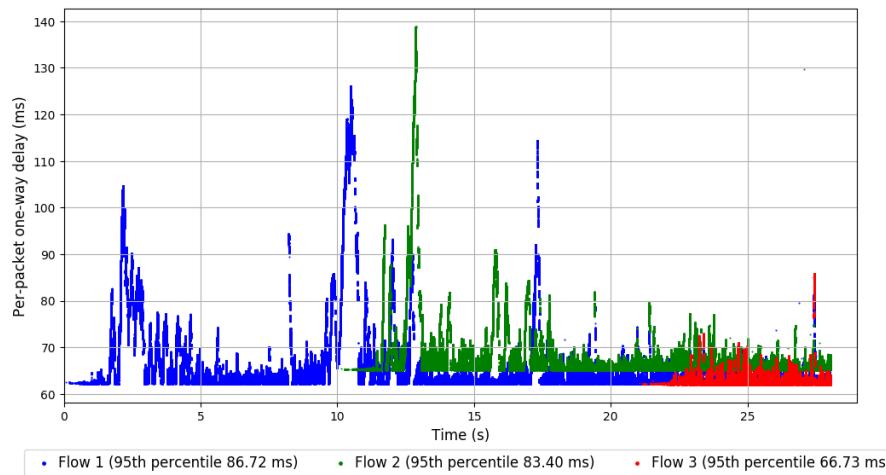
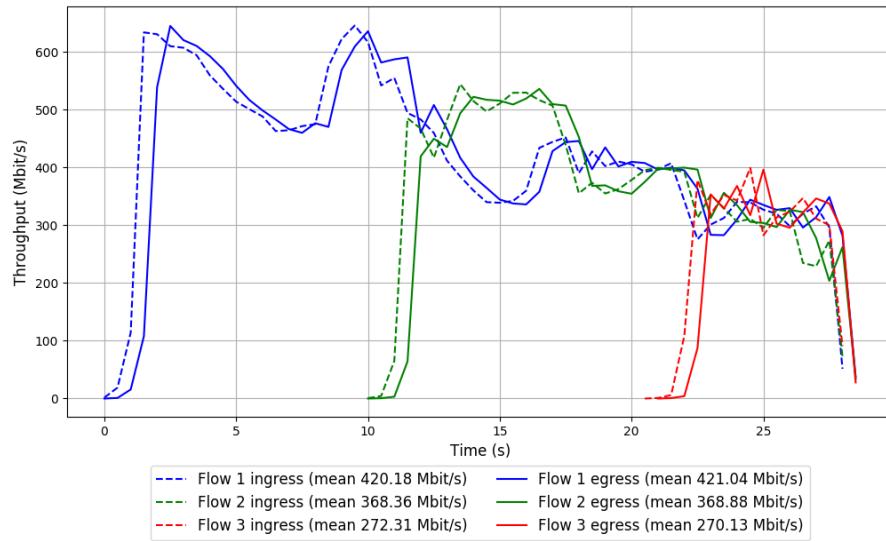


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 16:09:22
End at: 2019-07-12 16:09:52
Local clock offset: 0.054 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2019-07-12 19:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.38 Mbit/s
95th percentile per-packet one-way delay: 84.425 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 421.04 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 368.88 Mbit/s
95th percentile per-packet one-way delay: 83.404 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 270.13 Mbit/s
95th percentile per-packet one-way delay: 66.732 ms
Loss rate: 2.55%
```

Run 4: Report of Indigo-MusesD — Data Link

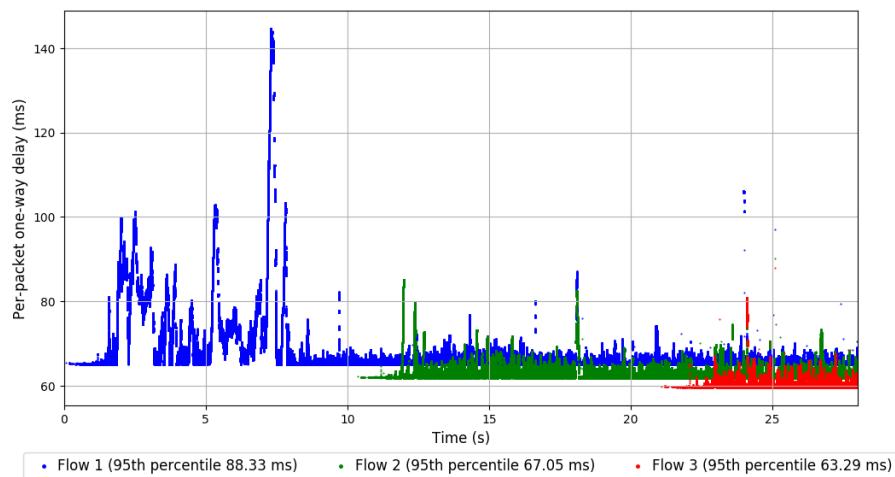
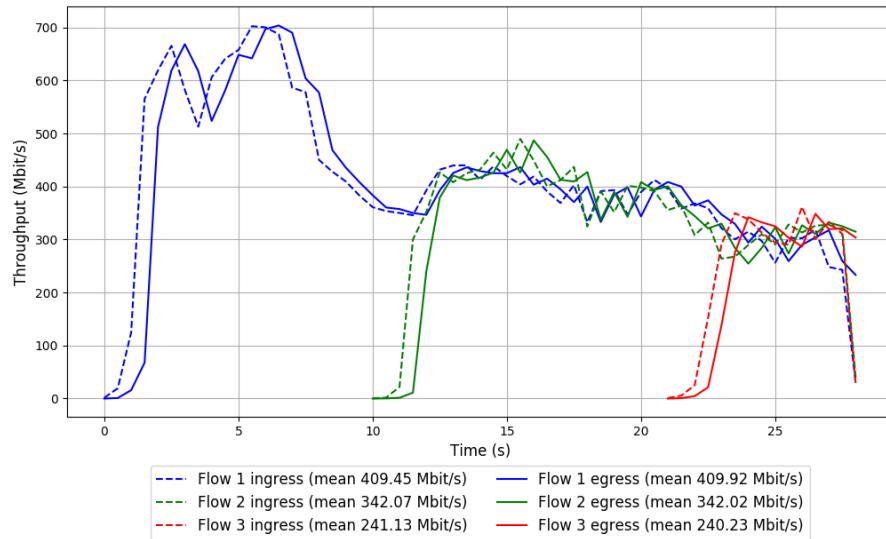


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 16:50:46
End at: 2019-07-12 16:51:16
Local clock offset: -0.038 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-07-12 19:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 685.29 Mbit/s
95th percentile per-packet one-way delay: 82.504 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 409.92 Mbit/s
95th percentile per-packet one-way delay: 88.333 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 342.02 Mbit/s
95th percentile per-packet one-way delay: 67.045 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 240.23 Mbit/s
95th percentile per-packet one-way delay: 63.294 ms
Loss rate: 2.14%
```

Run 5: Report of Indigo-MusesD — Data Link

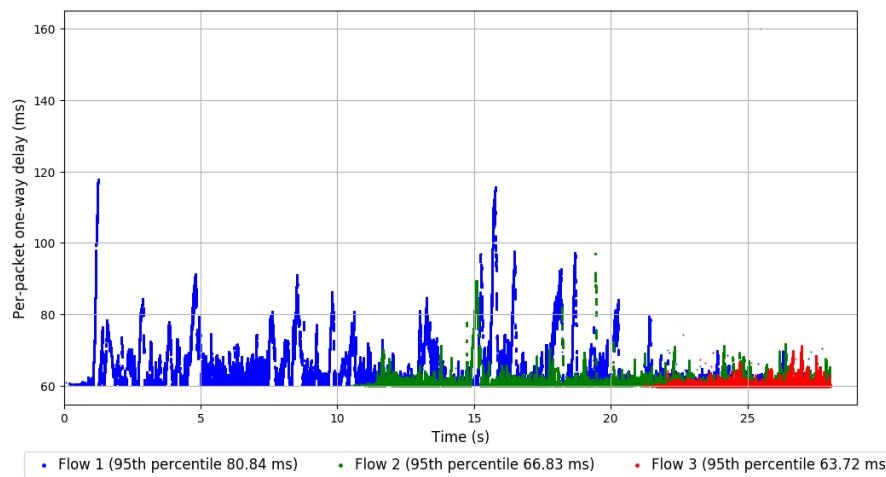
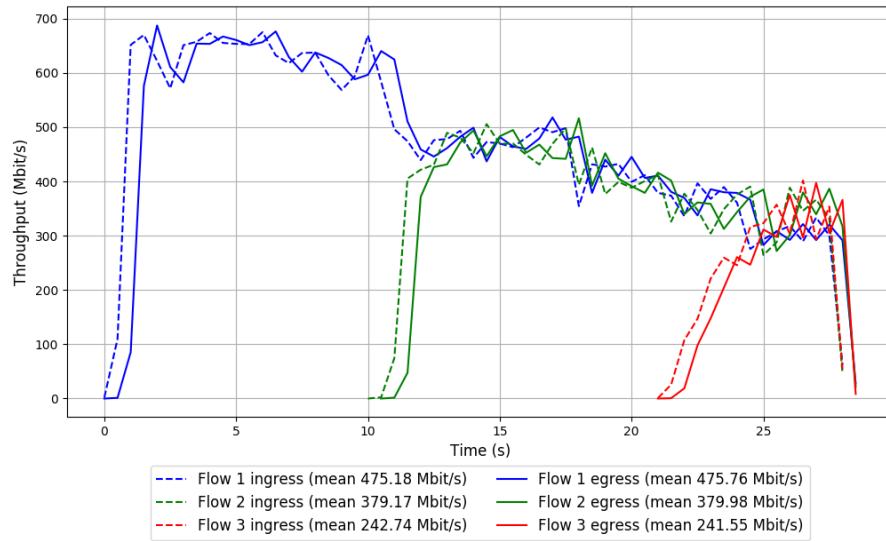


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 14:30:11
End at: 2019-07-12 14:30:41
Local clock offset: 0.006 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2019-07-12 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 773.39 Mbit/s
95th percentile per-packet one-way delay: 77.420 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 475.76 Mbit/s
95th percentile per-packet one-way delay: 80.839 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 379.98 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 241.55 Mbit/s
95th percentile per-packet one-way delay: 63.718 ms
Loss rate: 2.22%
```

Run 1: Report of Indigo-MusesT — Data Link

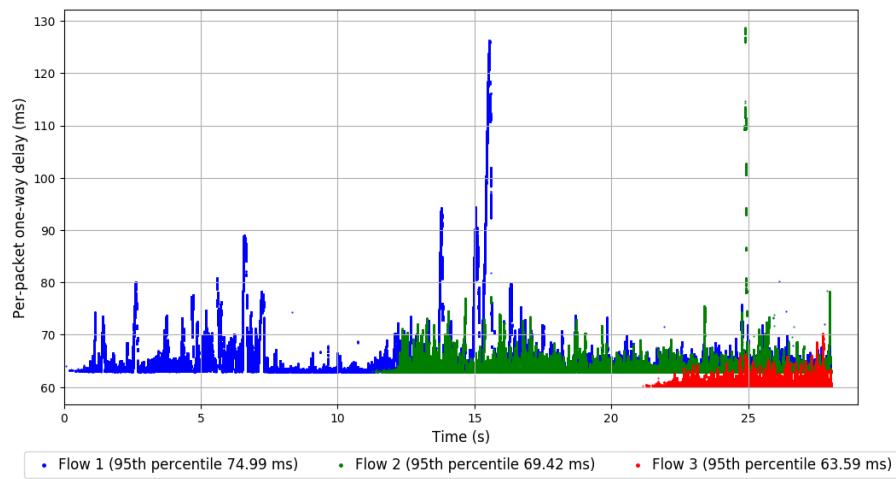
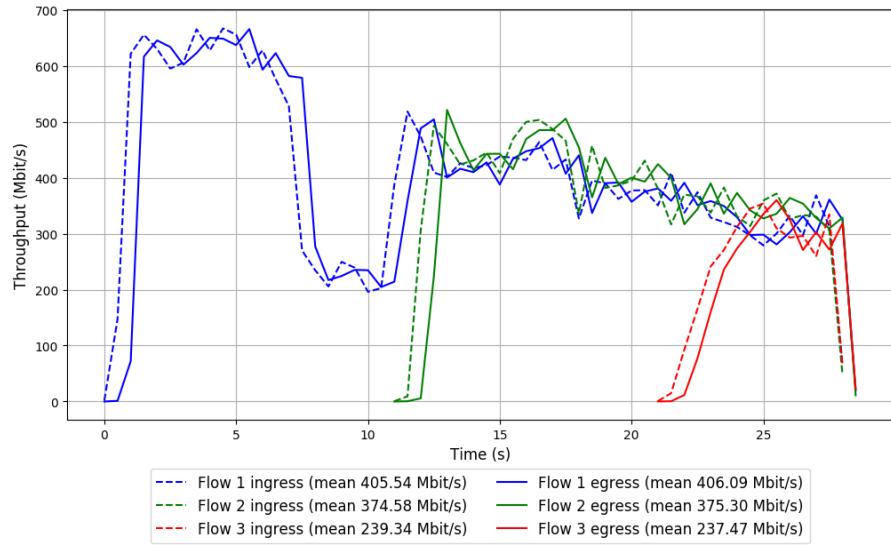


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 15:11:05
End at: 2019-07-12 15:11:35
Local clock offset: 0.008 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2019-07-12 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.56 Mbit/s
95th percentile per-packet one-way delay: 71.756 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 406.09 Mbit/s
95th percentile per-packet one-way delay: 74.989 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 375.30 Mbit/s
95th percentile per-packet one-way delay: 69.417 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 237.47 Mbit/s
95th percentile per-packet one-way delay: 63.587 ms
Loss rate: 2.54%
```

Run 2: Report of Indigo-MusesT — Data Link

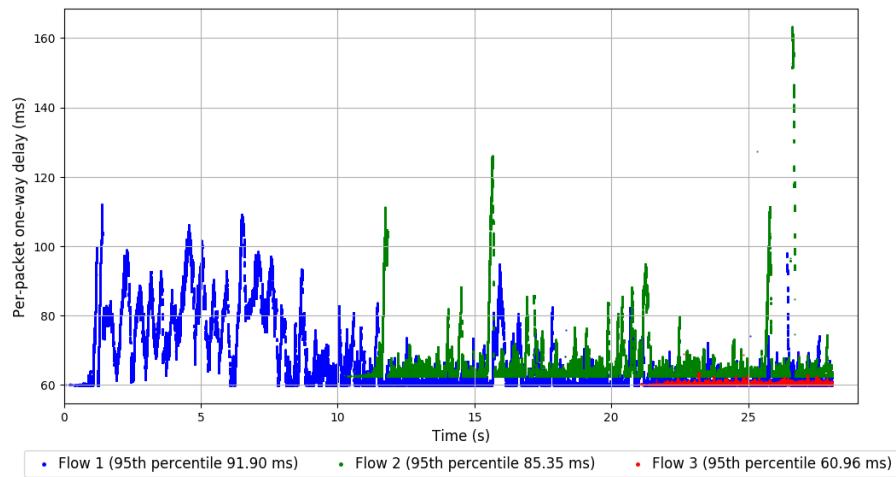
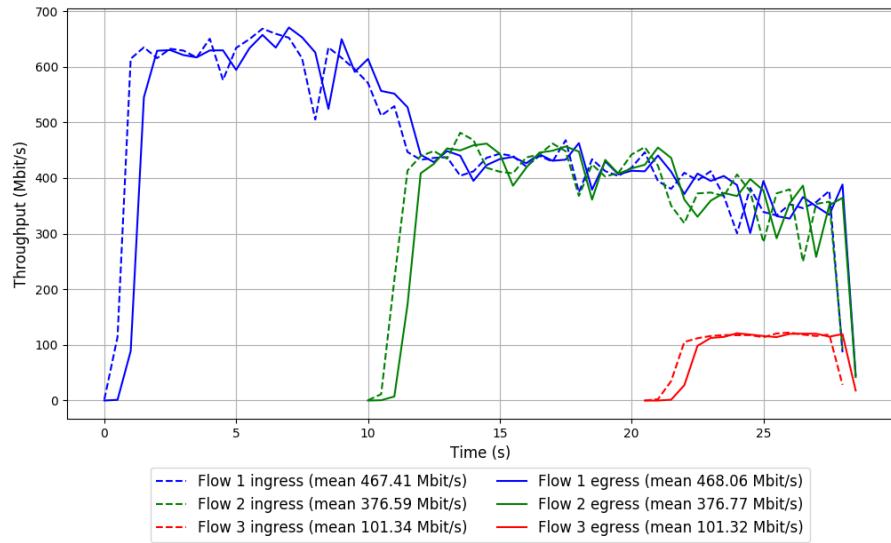


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 15:52:23
End at: 2019-07-12 15:52:53
Local clock offset: 0.025 ms
Remote clock offset: -0.245 ms

# Below is generated by plot.py at 2019-07-12 19:16:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 733.39 Mbit/s
95th percentile per-packet one-way delay: 90.736 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 468.06 Mbit/s
95th percentile per-packet one-way delay: 91.904 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 376.77 Mbit/s
95th percentile per-packet one-way delay: 85.352 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 101.32 Mbit/s
95th percentile per-packet one-way delay: 60.963 ms
Loss rate: 1.73%
```

Run 3: Report of Indigo-MusesT — Data Link

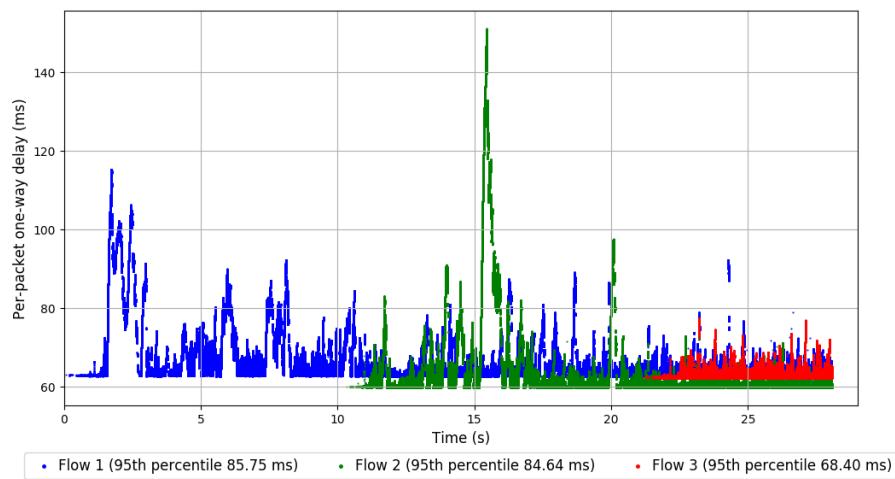
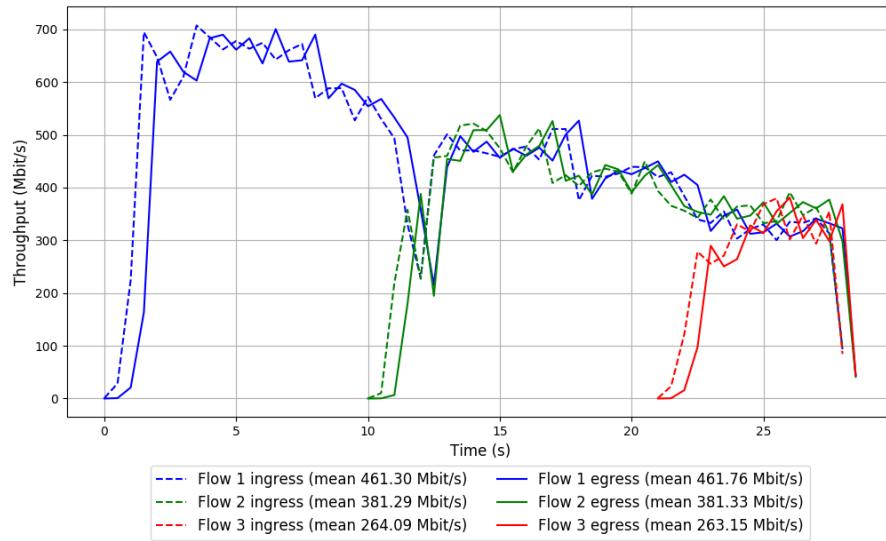


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 16:33:50
End at: 2019-07-12 16:34:20
Local clock offset: -0.031 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 768.44 Mbit/s
95th percentile per-packet one-way delay: 84.566 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 461.76 Mbit/s
95th percentile per-packet one-way delay: 85.750 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 381.33 Mbit/s
95th percentile per-packet one-way delay: 84.638 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 263.15 Mbit/s
95th percentile per-packet one-way delay: 68.396 ms
Loss rate: 2.10%
```

Run 4: Report of Indigo-MusesT — Data Link

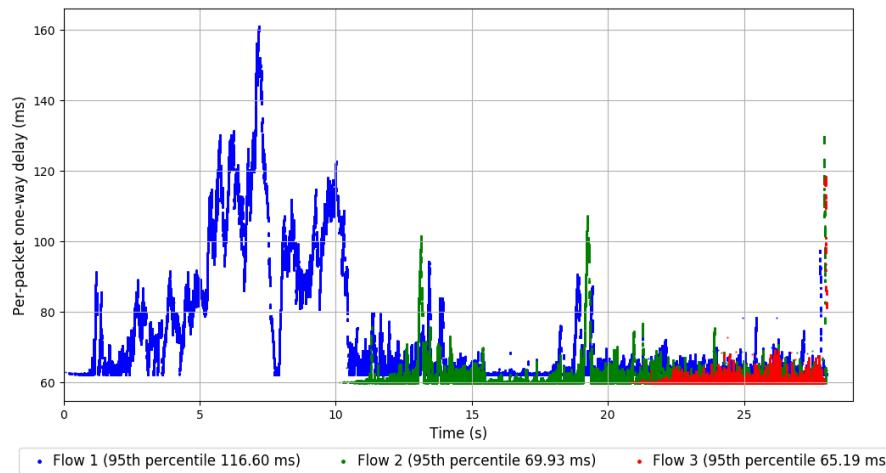
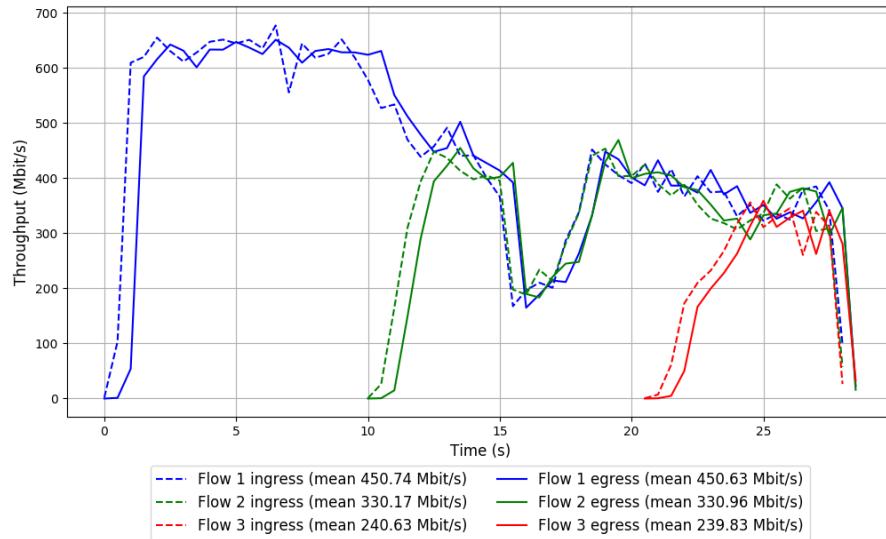


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 17:15:09
End at: 2019-07-12 17:15:39
Local clock offset: -0.018 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.47 Mbit/s
95th percentile per-packet one-way delay: 111.860 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 450.63 Mbit/s
95th percentile per-packet one-way delay: 116.596 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 330.96 Mbit/s
95th percentile per-packet one-way delay: 69.928 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 239.83 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 1.88%
```

Run 5: Report of Indigo-MusesT — Data Link

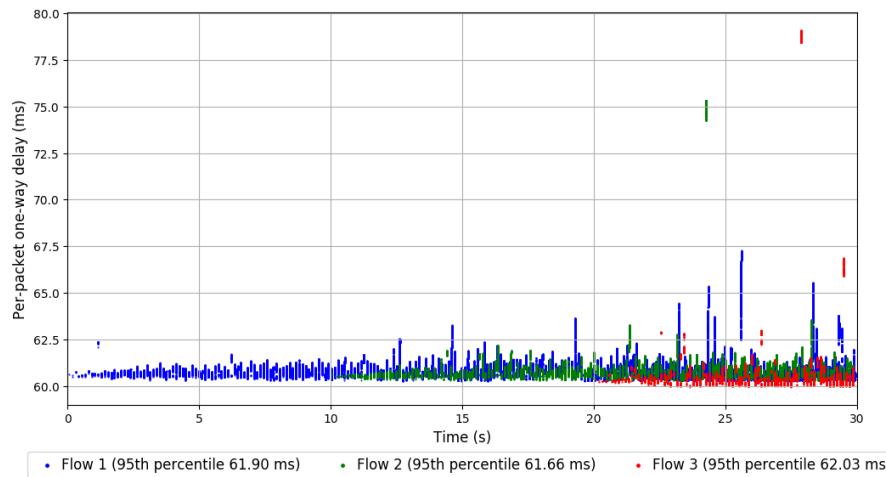
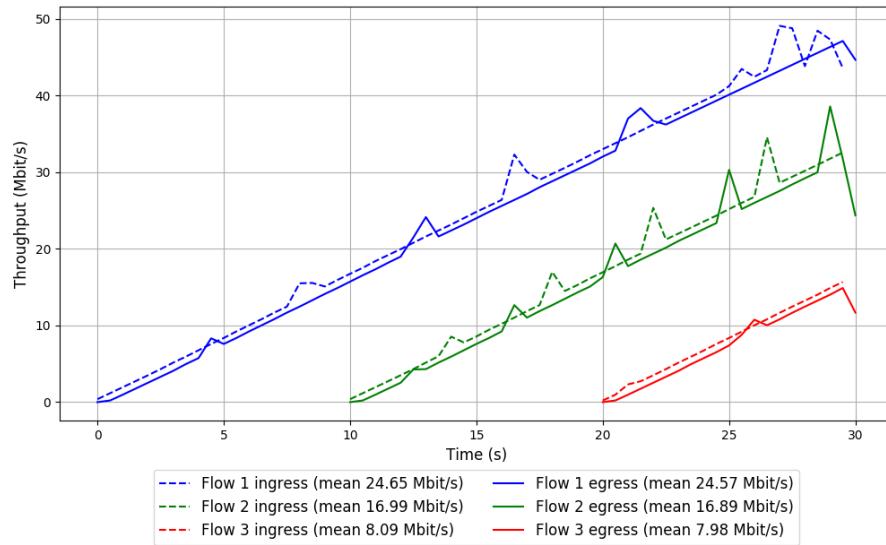


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-12 14:25:47
End at: 2019-07-12 14:26:17
Local clock offset: -0.01 ms
Remote clock offset: -0.325 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 61.817 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 61.895 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 61.663 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 62.031 ms
Loss rate: 2.50%
```

Run 1: Report of LEDBAT — Data Link

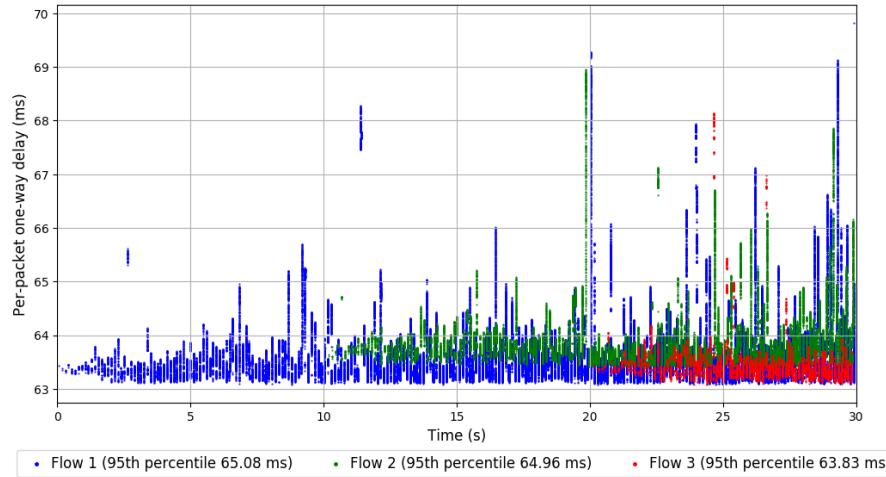
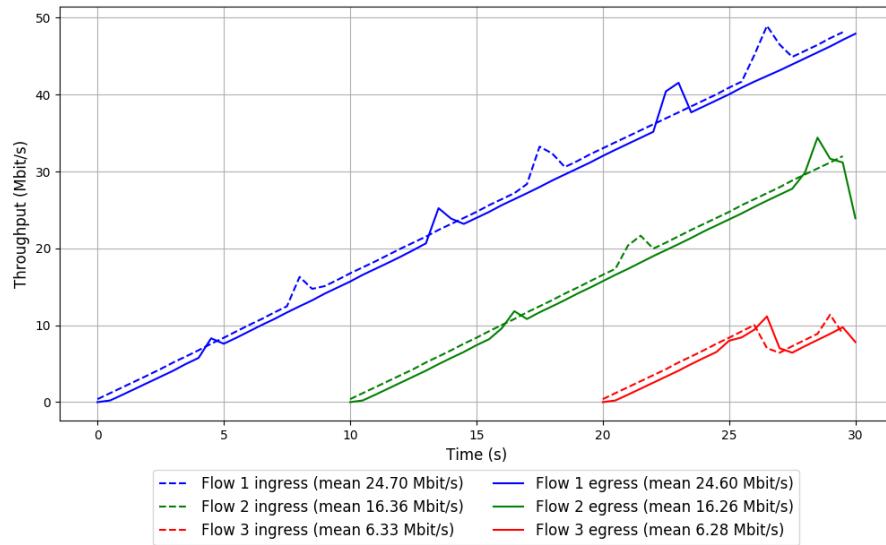


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-12 15:06:39
End at: 2019-07-12 15:07:09
Local clock offset: -0.028 ms
Remote clock offset: -0.835 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 65.012 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 65.085 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 64.964 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 63.831 ms
Loss rate: 2.16%
```

Run 2: Report of LEDBAT — Data Link

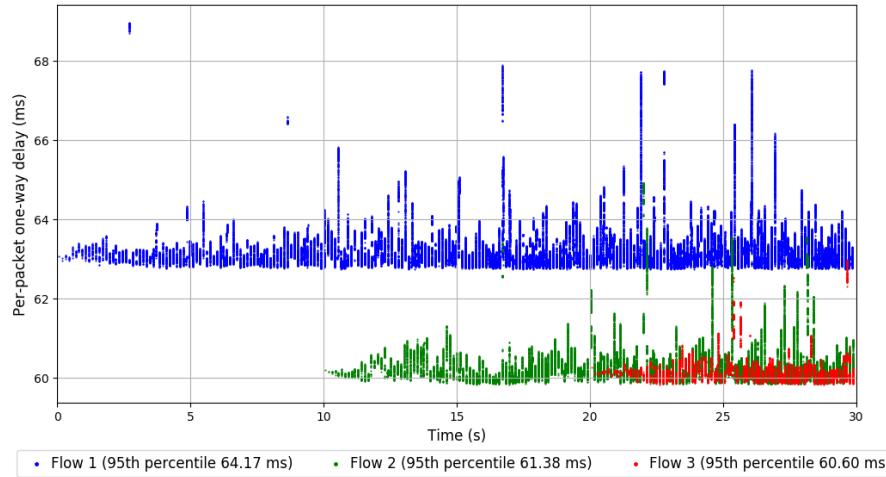
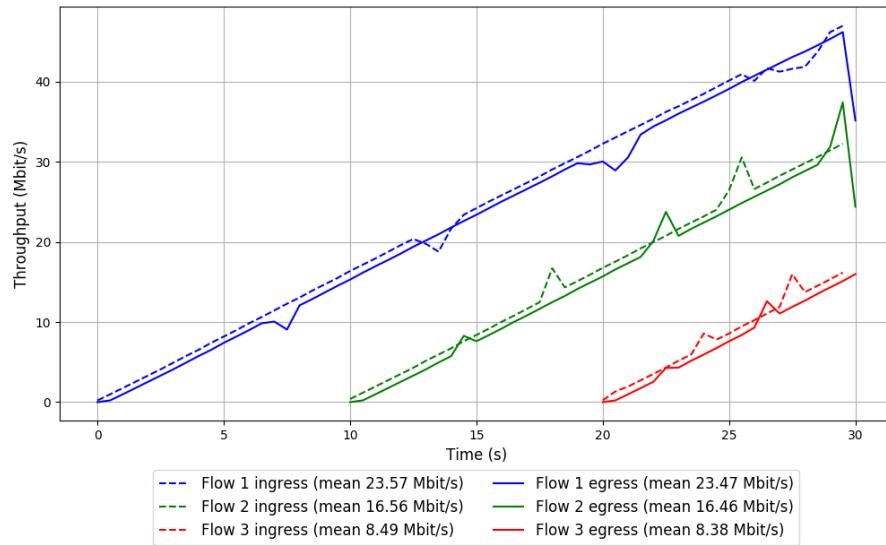


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-12 15:47:57
End at: 2019-07-12 15:48:27
Local clock offset: 0.04 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 63.914 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 64.170 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 61.375 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 60.599 ms
Loss rate: 2.44%
```

Run 3: Report of LEDBAT — Data Link

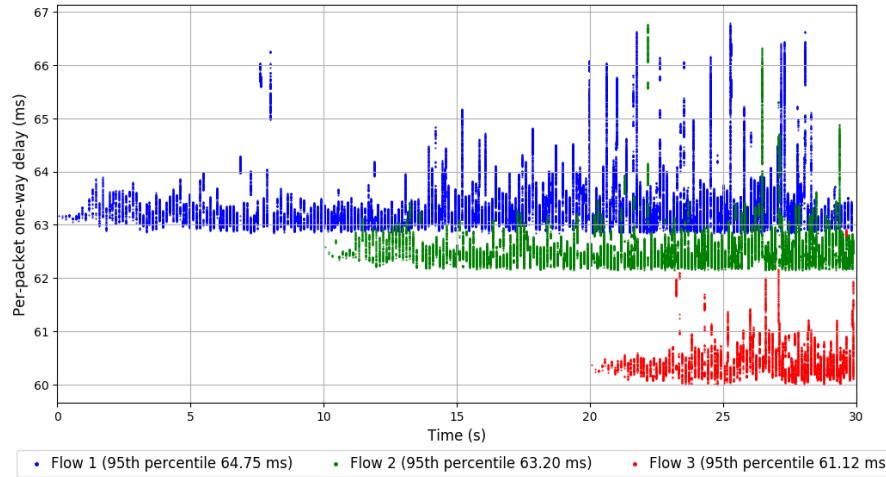
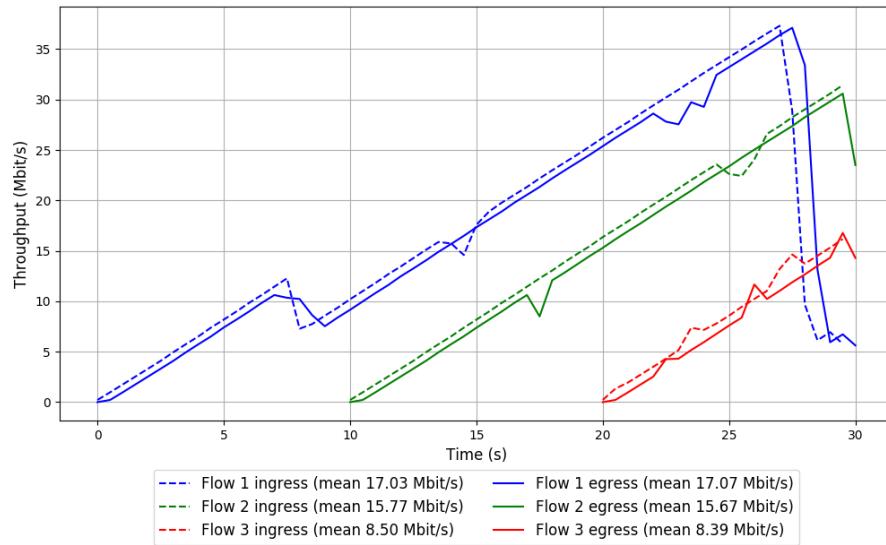


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-12 16:29:25
End at: 2019-07-12 16:29:55
Local clock offset: -0.052 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 64.265 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 64.746 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 63.203 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 61.116 ms
Loss rate: 2.44%
```

Run 4: Report of LEDBAT — Data Link

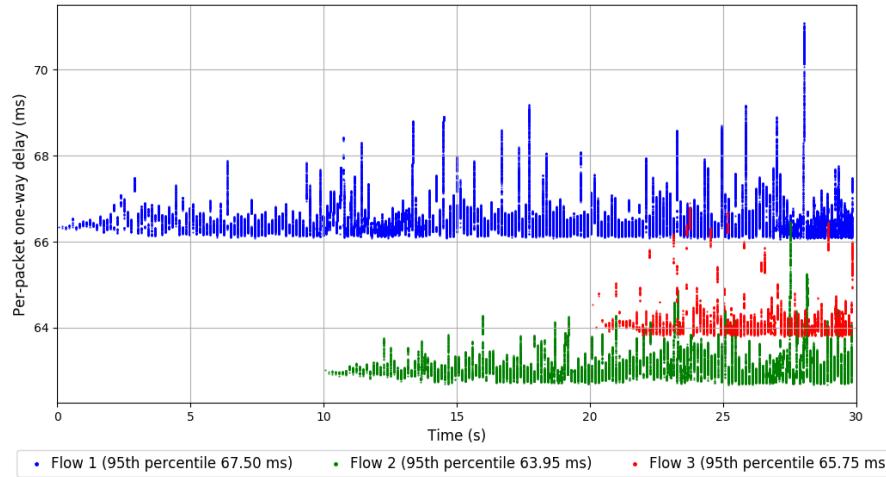
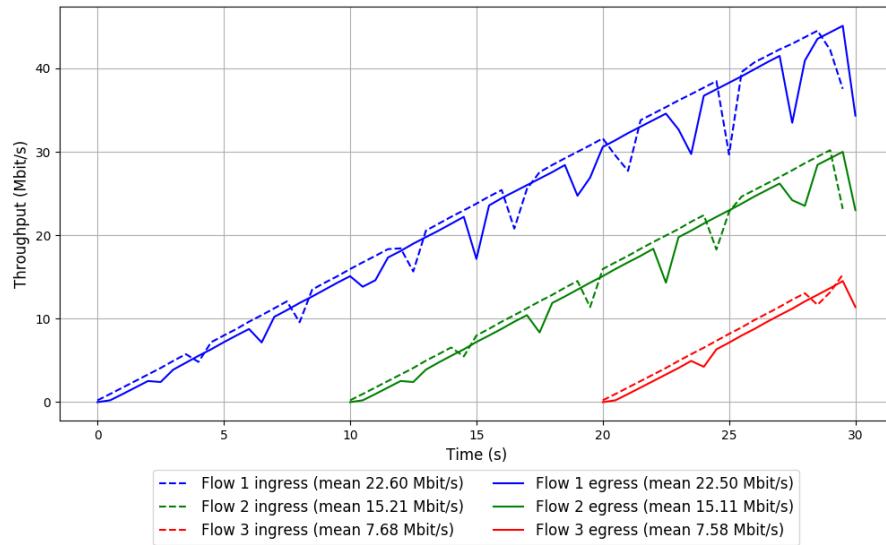


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-12 17:10:42
End at: 2019-07-12 17:11:12
Local clock offset: -0.007 ms
Remote clock offset: -0.822 ms

# Below is generated by plot.py at 2019-07-12 19:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 67.233 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 67.497 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 63.952 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 65.750 ms
Loss rate: 2.56%
```

Run 5: Report of LEDBAT — Data Link

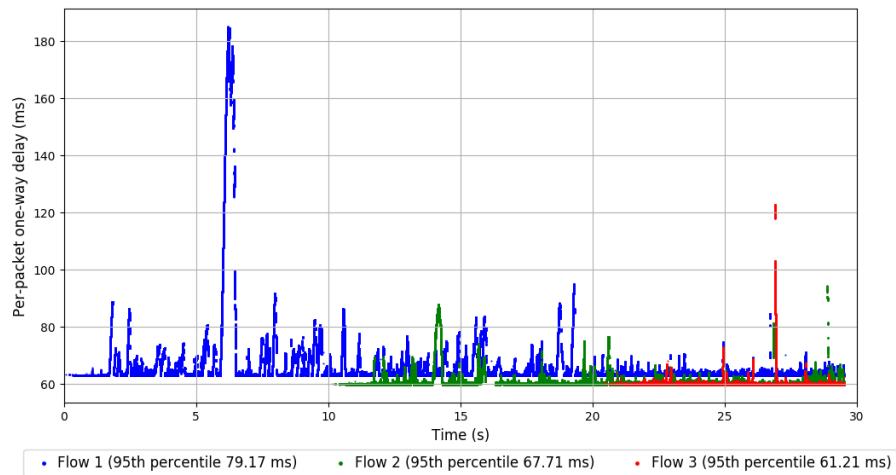
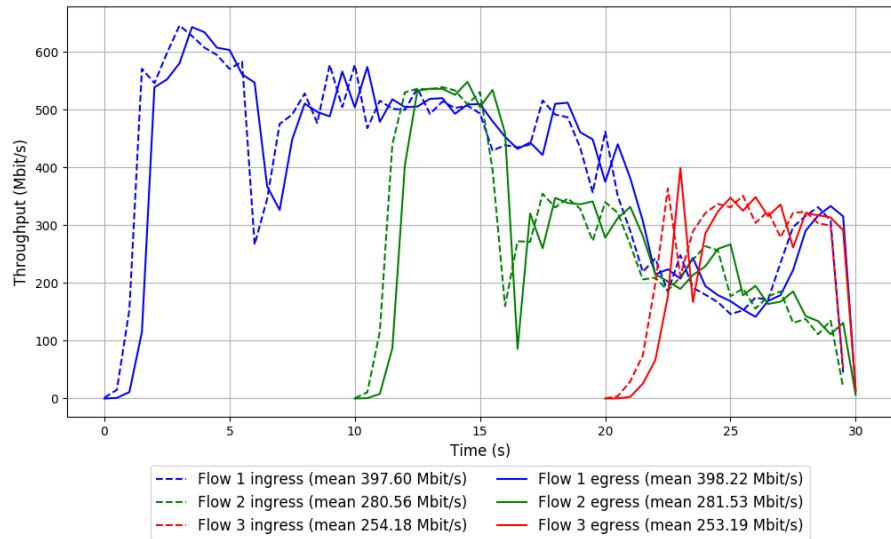


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 13:54:42
End at: 2019-07-12 13:55:12
Local clock offset: -0.017 ms
Remote clock offset: -0.276 ms

# Below is generated by plot.py at 2019-07-12 19:25:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 661.96 Mbit/s
95th percentile per-packet one-way delay: 75.617 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 398.22 Mbit/s
95th percentile per-packet one-way delay: 79.167 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 281.53 Mbit/s
95th percentile per-packet one-way delay: 67.713 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 253.19 Mbit/s
95th percentile per-packet one-way delay: 61.214 ms
Loss rate: 1.70%
```

Run 1: Report of Muses_DecisionTree — Data Link

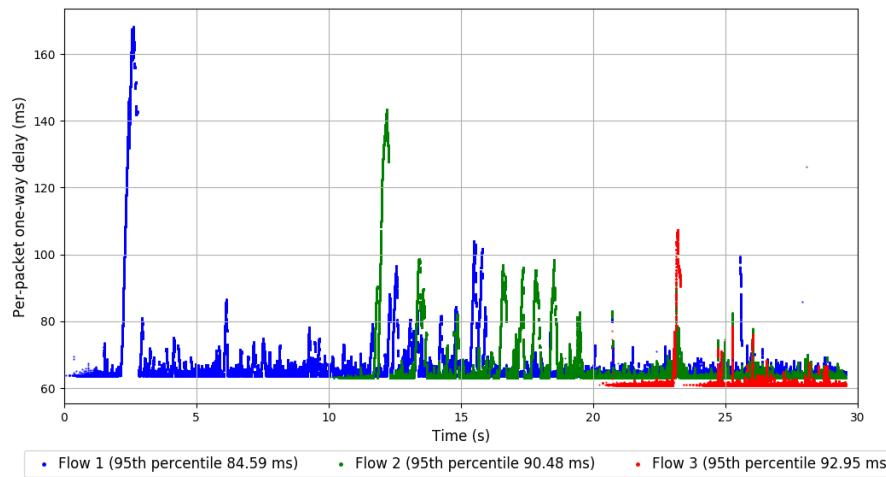
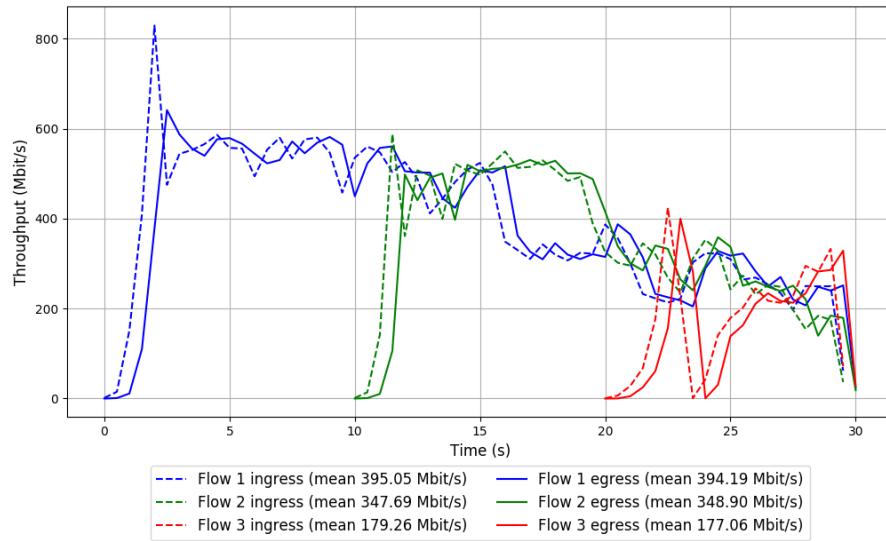


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 14:35:38
End at: 2019-07-12 14:36:09
Local clock offset: -0.043 ms
Remote clock offset: -0.717 ms

# Below is generated by plot.py at 2019-07-12 19:25:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 680.32 Mbit/s
95th percentile per-packet one-way delay: 88.856 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 394.19 Mbit/s
95th percentile per-packet one-way delay: 84.593 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 90.478 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 177.06 Mbit/s
95th percentile per-packet one-way delay: 92.948 ms
Loss rate: 2.49%
```

Run 2: Report of Muses_DecisionTree — Data Link

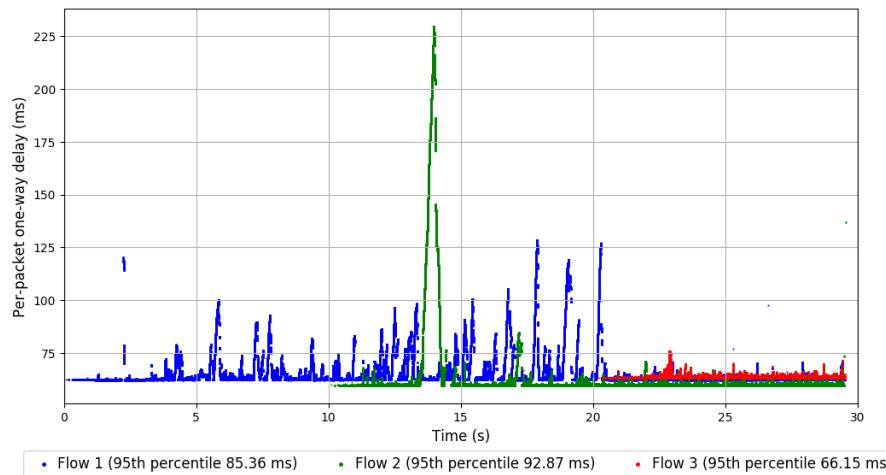
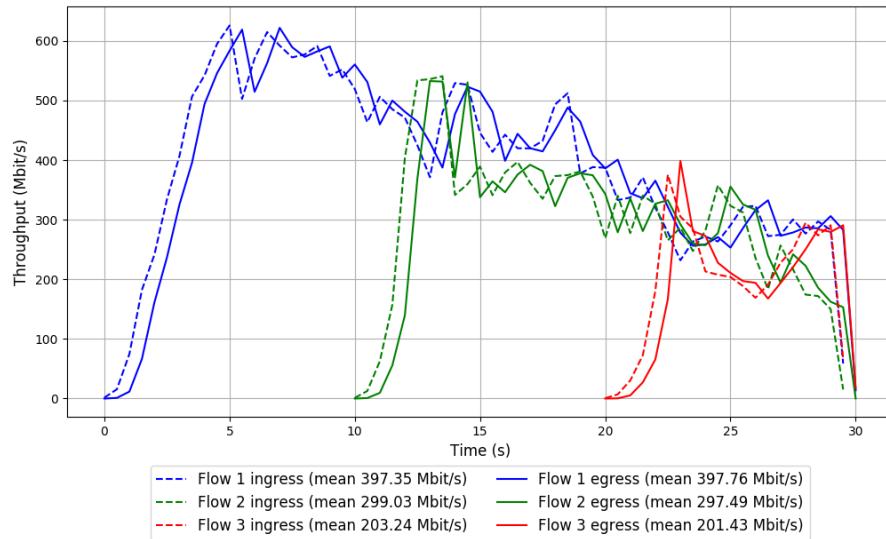


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 15:16:39
End at: 2019-07-12 15:17:09
Local clock offset: -0.02 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2019-07-12 19:25:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 657.02 Mbit/s
95th percentile per-packet one-way delay: 83.360 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 397.76 Mbit/s
95th percentile per-packet one-way delay: 85.360 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 297.49 Mbit/s
95th percentile per-packet one-way delay: 92.867 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 201.43 Mbit/s
95th percentile per-packet one-way delay: 66.148 ms
Loss rate: 2.16%
```

Run 3: Report of Muses_DecisionTree — Data Link

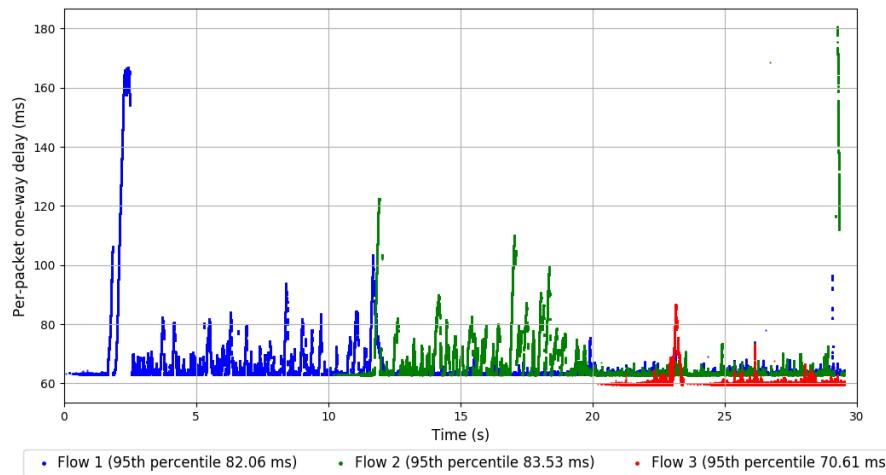
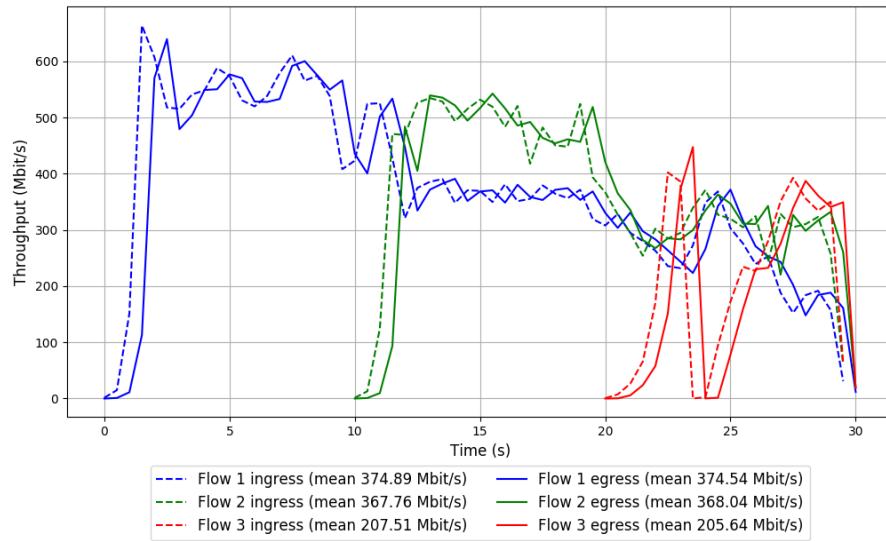


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 15:57:59
End at: 2019-07-12 15:58:29
Local clock offset: 0.05 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-07-12 19:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 682.48 Mbit/s
95th percentile per-packet one-way delay: 81.496 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 374.54 Mbit/s
95th percentile per-packet one-way delay: 82.057 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 368.04 Mbit/s
95th percentile per-packet one-way delay: 83.526 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 205.64 Mbit/s
95th percentile per-packet one-way delay: 70.613 ms
Loss rate: 2.19%
```

Run 4: Report of Muses_DecisionTree — Data Link

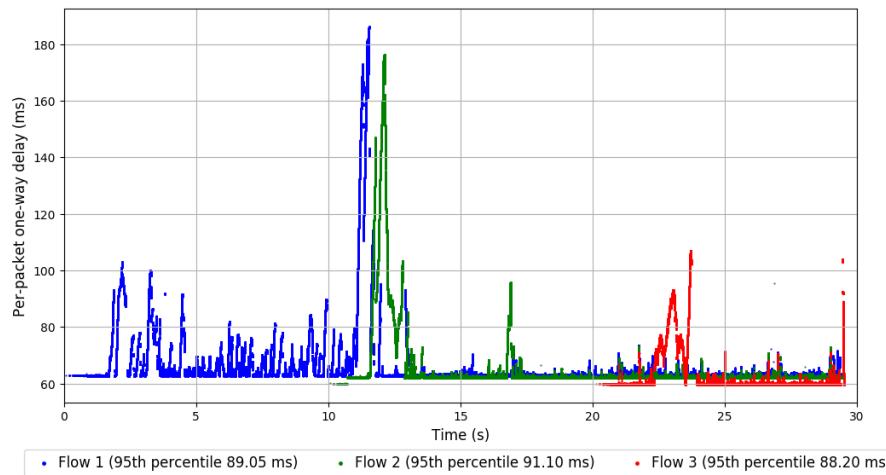
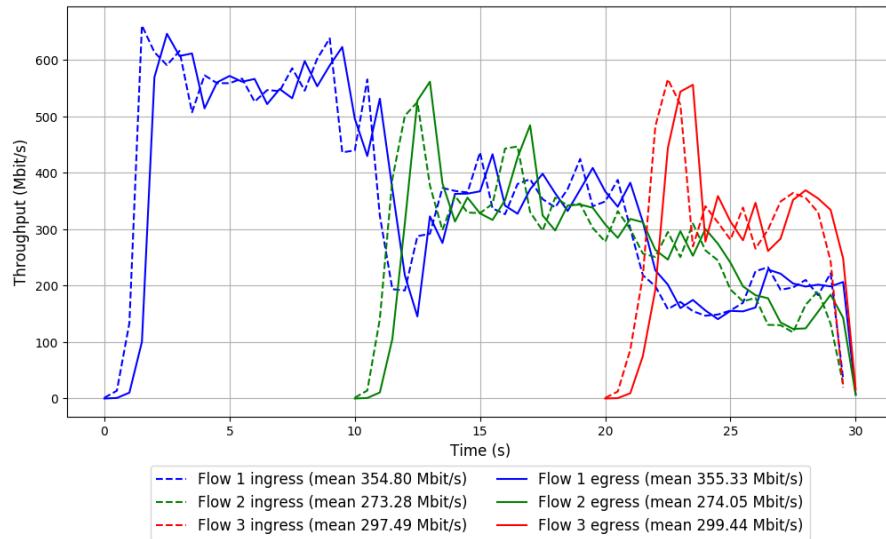


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 16:39:28
End at: 2019-07-12 16:39:58
Local clock offset: -0.054 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2019-07-12 19:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.65 Mbit/s
95th percentile per-packet one-way delay: 89.644 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 355.33 Mbit/s
95th percentile per-packet one-way delay: 89.054 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 274.05 Mbit/s
95th percentile per-packet one-way delay: 91.100 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 299.44 Mbit/s
95th percentile per-packet one-way delay: 88.196 ms
Loss rate: 0.64%
```

Run 5: Report of Muses_DecisionTree — Data Link

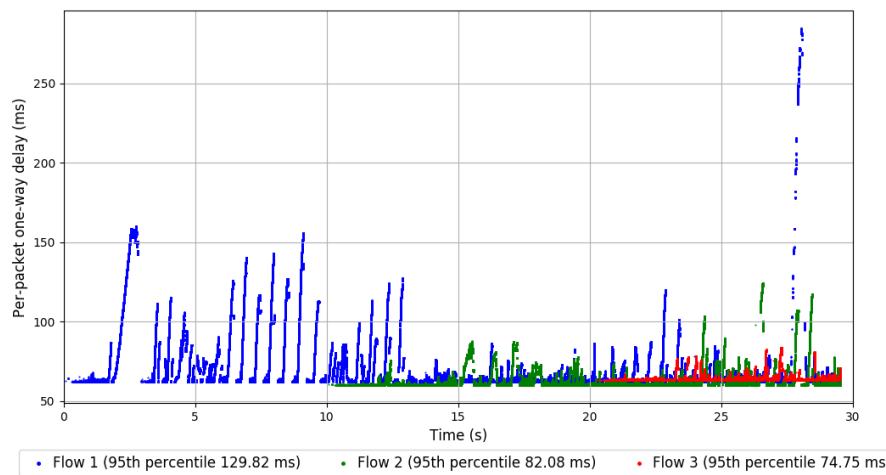
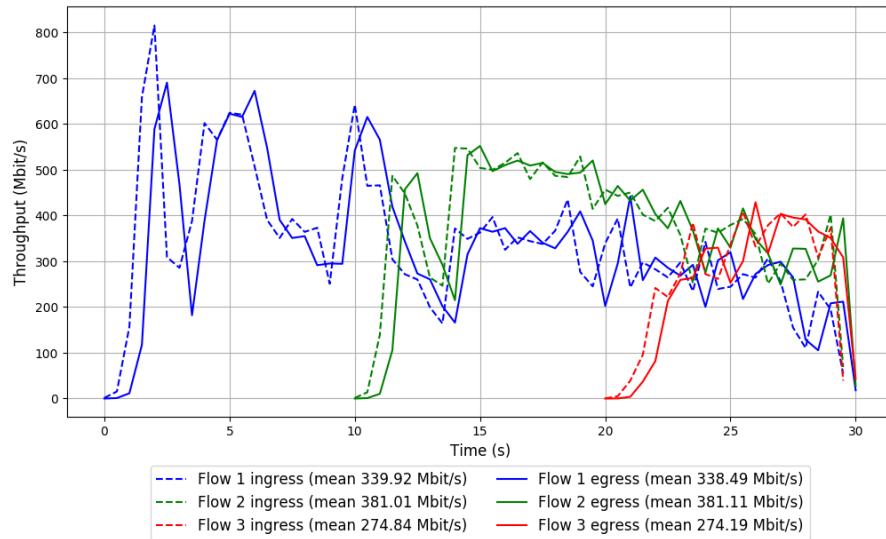


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 14:18:58
End at: 2019-07-12 14:19:28
Local clock offset: 0.019 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-07-12 19:29:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 676.00 Mbit/s
95th percentile per-packet one-way delay: 113.389 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 338.49 Mbit/s
95th percentile per-packet one-way delay: 129.816 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 381.11 Mbit/s
95th percentile per-packet one-way delay: 82.075 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 274.19 Mbit/s
95th percentile per-packet one-way delay: 74.749 ms
Loss rate: 1.55%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

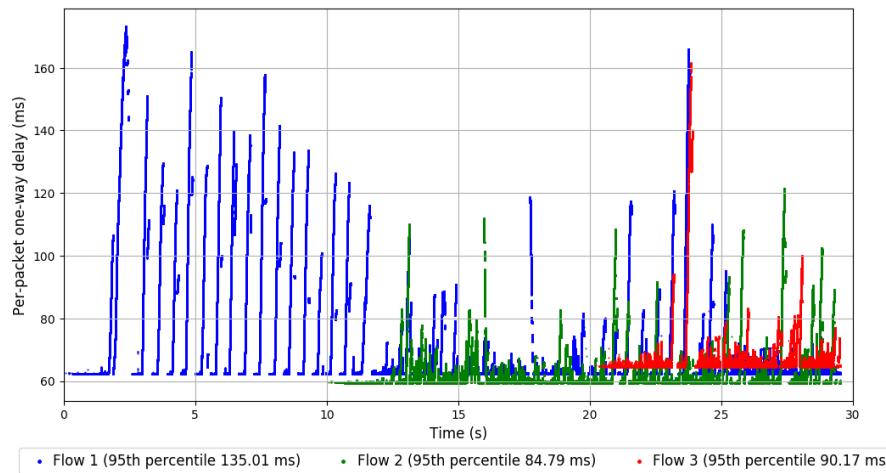
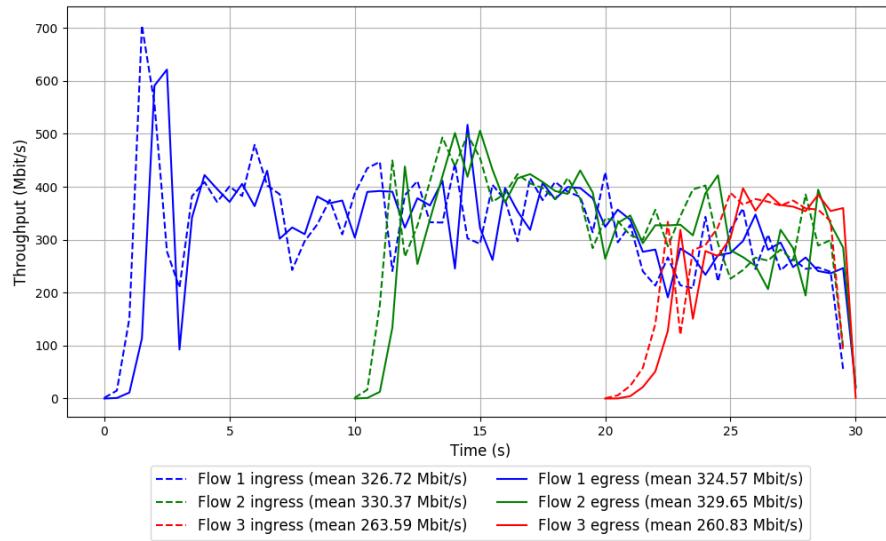


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 14:59:53
End at: 2019-07-12 15:00:23
Local clock offset: -0.063 ms
Remote clock offset: 0.597 ms

# Below is generated by plot.py at 2019-07-12 19:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 624.62 Mbit/s
95th percentile per-packet one-way delay: 122.944 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 324.57 Mbit/s
95th percentile per-packet one-way delay: 135.012 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 329.65 Mbit/s
95th percentile per-packet one-way delay: 84.790 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 260.83 Mbit/s
95th percentile per-packet one-way delay: 90.175 ms
Loss rate: 2.27%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

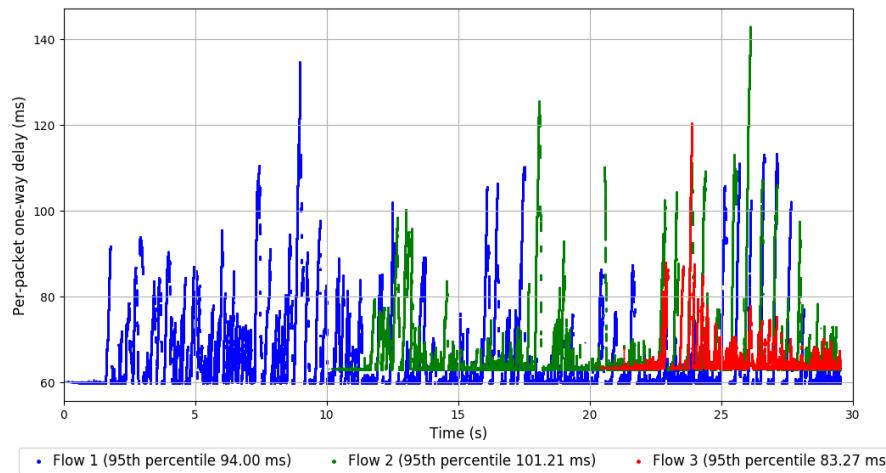
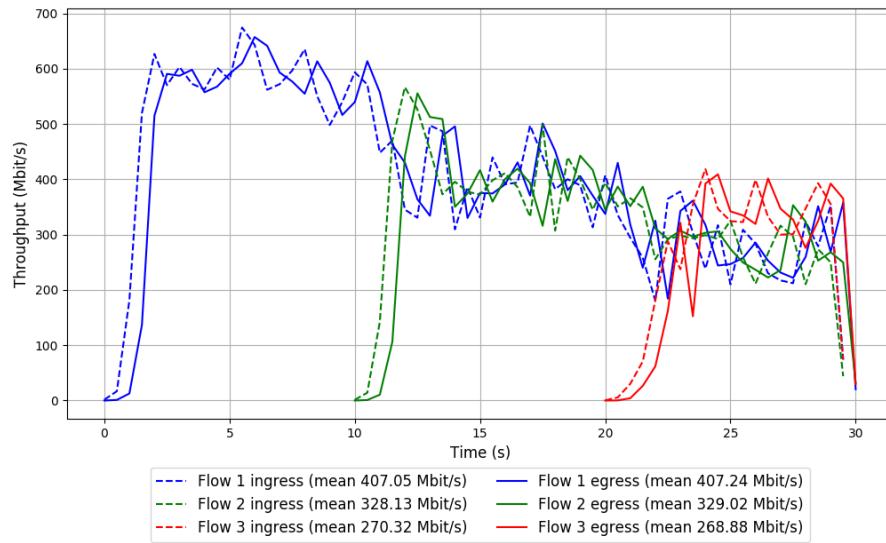


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 15:41:08
End at: 2019-07-12 15:41:38
Local clock offset: 0.016 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2019-07-12 19:36:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 709.09 Mbit/s
95th percentile per-packet one-way delay: 96.224 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 407.24 Mbit/s
95th percentile per-packet one-way delay: 94.002 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 329.02 Mbit/s
95th percentile per-packet one-way delay: 101.214 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 268.88 Mbit/s
95th percentile per-packet one-way delay: 83.273 ms
Loss rate: 1.85%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

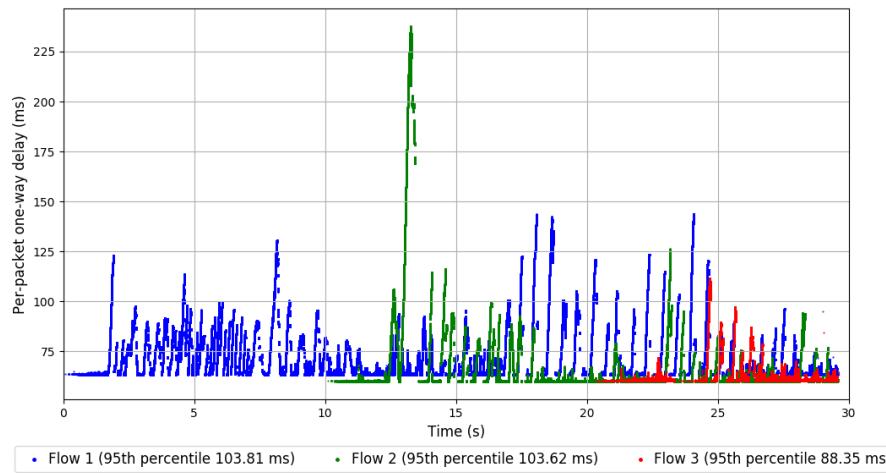
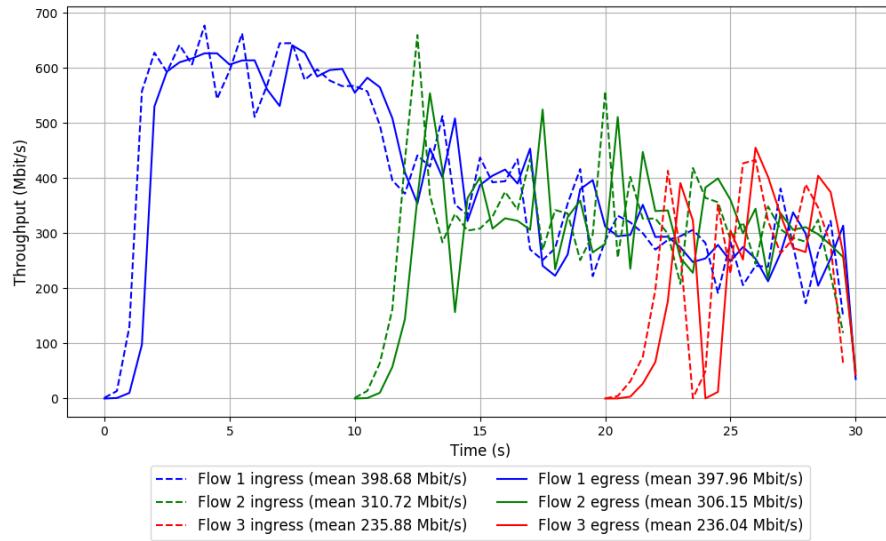


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 16:22:33
End at: 2019-07-12 16:23:03
Local clock offset: -0.077 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2019-07-12 19:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.94 Mbit/s
95th percentile per-packet one-way delay: 102.345 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 397.96 Mbit/s
95th percentile per-packet one-way delay: 103.809 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 306.15 Mbit/s
95th percentile per-packet one-way delay: 103.622 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 236.04 Mbit/s
95th percentile per-packet one-way delay: 88.354 ms
Loss rate: 1.25%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

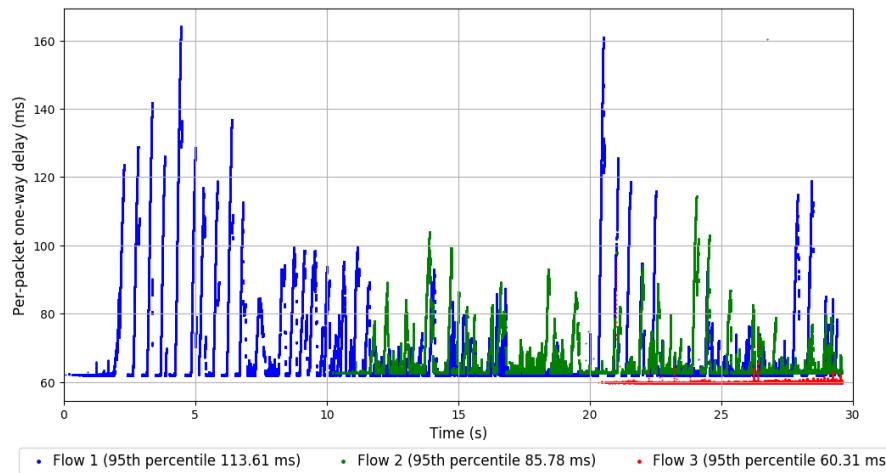
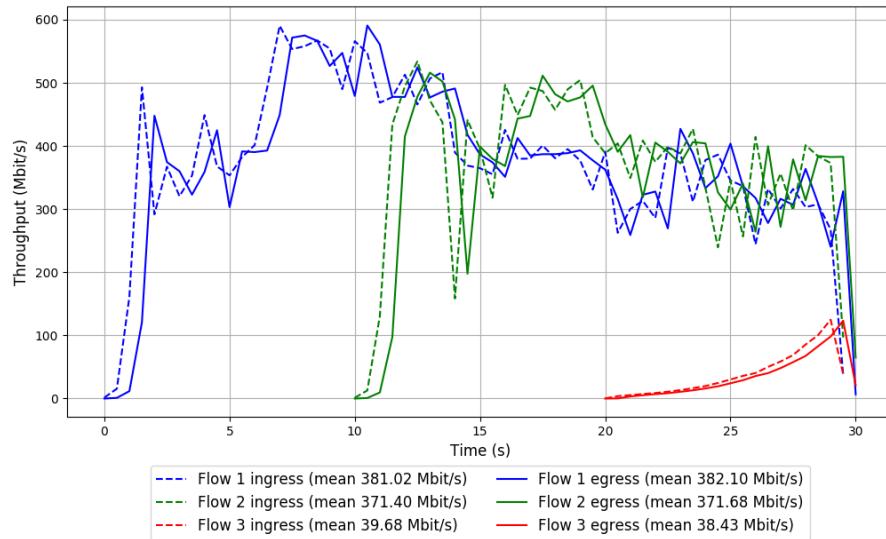


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 17:03:50
End at: 2019-07-12 17:04:20
Local clock offset: -0.026 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-07-12 19:37:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 638.81 Mbit/s
95th percentile per-packet one-way delay: 104.336 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 382.10 Mbit/s
95th percentile per-packet one-way delay: 113.615 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 85.784 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 60.312 ms
Loss rate: 4.44%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

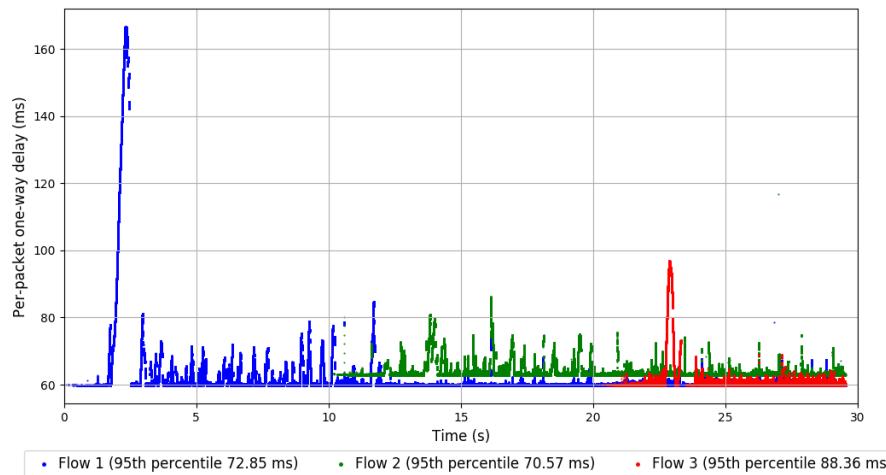
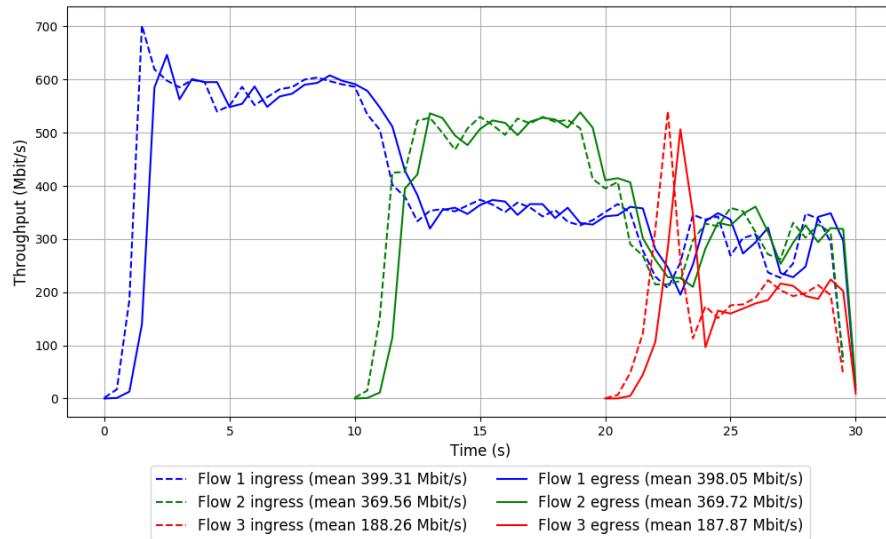


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 14:13:27
End at: 2019-07-12 14:13:57
Local clock offset: 0.004 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2019-07-12 19:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 701.52 Mbit/s
95th percentile per-packet one-way delay: 72.106 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 398.05 Mbit/s
95th percentile per-packet one-way delay: 72.854 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 369.72 Mbit/s
95th percentile per-packet one-way delay: 70.573 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 88.362 ms
Loss rate: 1.48%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

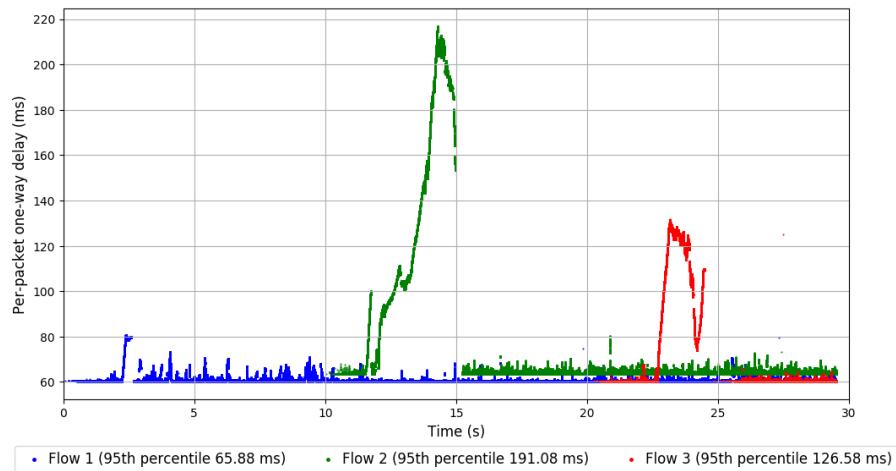
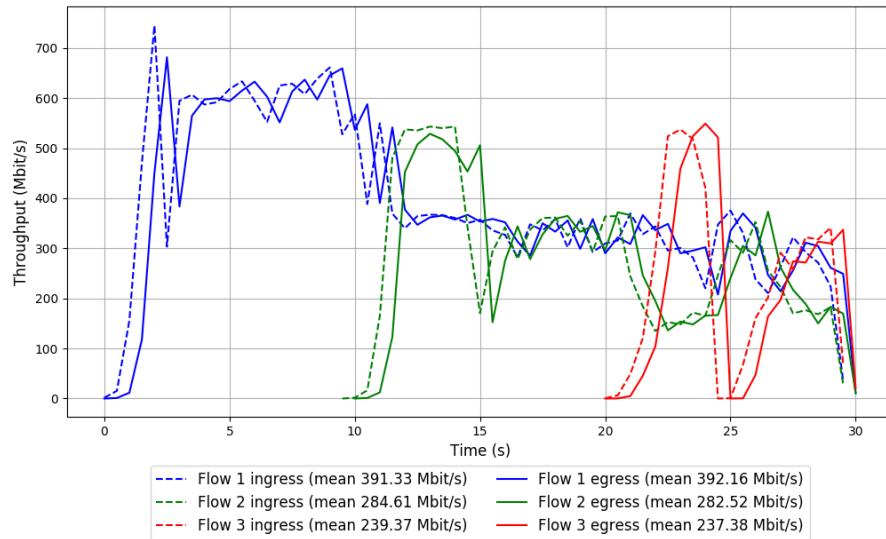


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 14:54:22
End at: 2019-07-12 14:54:52
Local clock offset: -0.044 ms
Remote clock offset: -0.609 ms

# Below is generated by plot.py at 2019-07-12 19:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 653.62 Mbit/s
95th percentile per-packet one-way delay: 124.320 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 392.16 Mbit/s
95th percentile per-packet one-way delay: 65.876 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 282.52 Mbit/s
95th percentile per-packet one-way delay: 191.077 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 237.38 Mbit/s
95th percentile per-packet one-way delay: 126.577 ms
Loss rate: 2.10%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

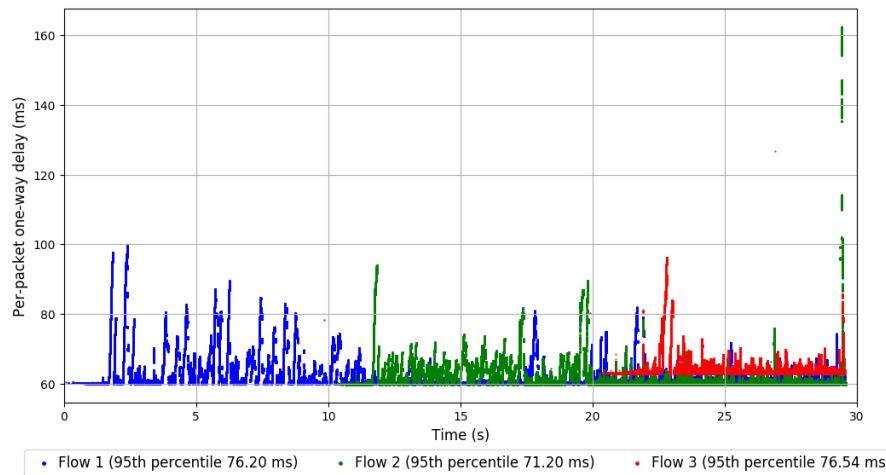
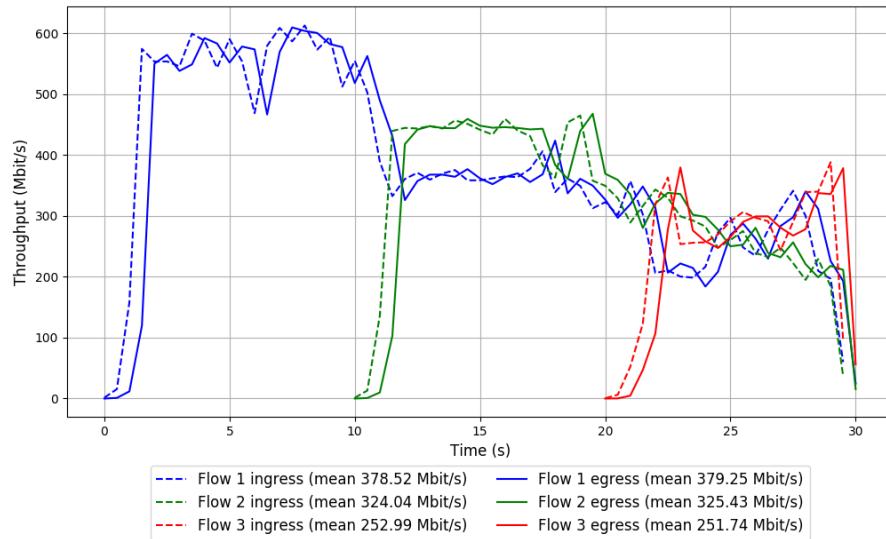


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 15:35:38
End at: 2019-07-12 15:36:08
Local clock offset: 0.023 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2019-07-12 19:39:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.37 Mbit/s
95th percentile per-packet one-way delay: 75.116 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 379.25 Mbit/s
95th percentile per-packet one-way delay: 76.203 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 325.43 Mbit/s
95th percentile per-packet one-way delay: 71.197 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 251.74 Mbit/s
95th percentile per-packet one-way delay: 76.537 ms
Loss rate: 2.00%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

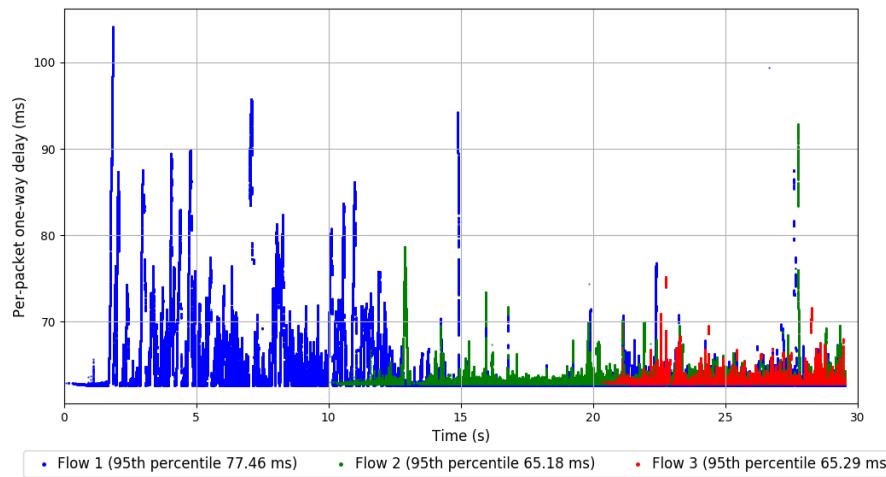
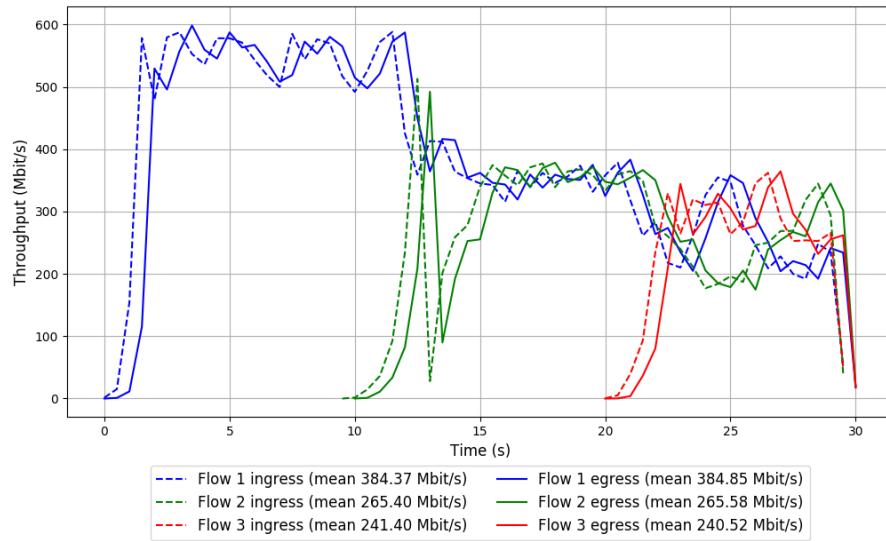


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 16:17:04
End at: 2019-07-12 16:17:34
Local clock offset: 0.004 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-07-12 19:41:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 636.09 Mbit/s
95th percentile per-packet one-way delay: 73.589 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 384.85 Mbit/s
95th percentile per-packet one-way delay: 77.459 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 265.58 Mbit/s
95th percentile per-packet one-way delay: 65.181 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 240.52 Mbit/s
95th percentile per-packet one-way delay: 65.286 ms
Loss rate: 1.75%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

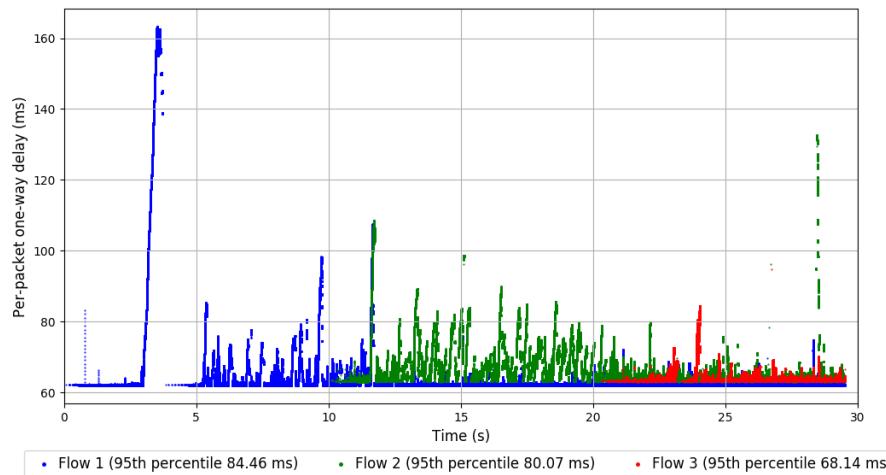
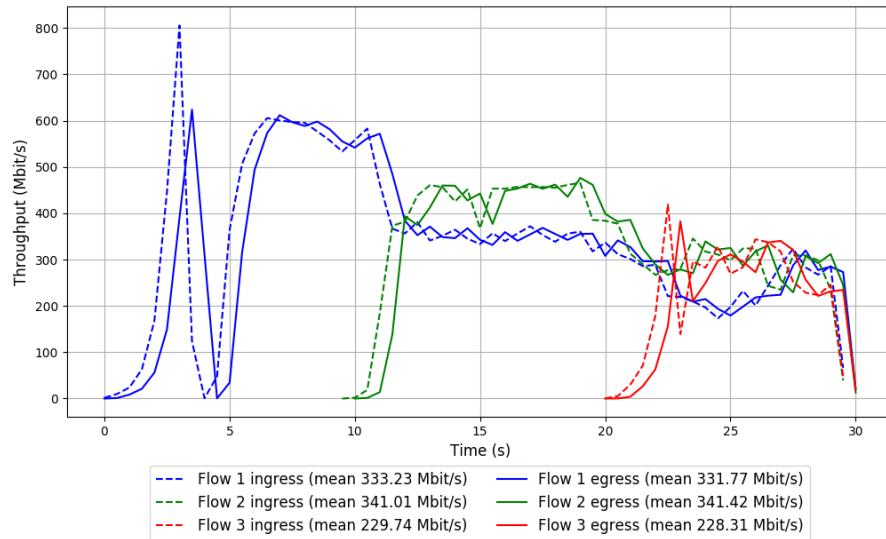


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 16:58:26
End at: 2019-07-12 16:58:56
Local clock offset: -0.025 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-07-12 19:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 629.54 Mbit/s
95th percentile per-packet one-way delay: 79.645 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 331.77 Mbit/s
95th percentile per-packet one-way delay: 84.461 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 341.42 Mbit/s
95th percentile per-packet one-way delay: 80.072 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 228.31 Mbit/s
95th percentile per-packet one-way delay: 68.141 ms
Loss rate: 1.59%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

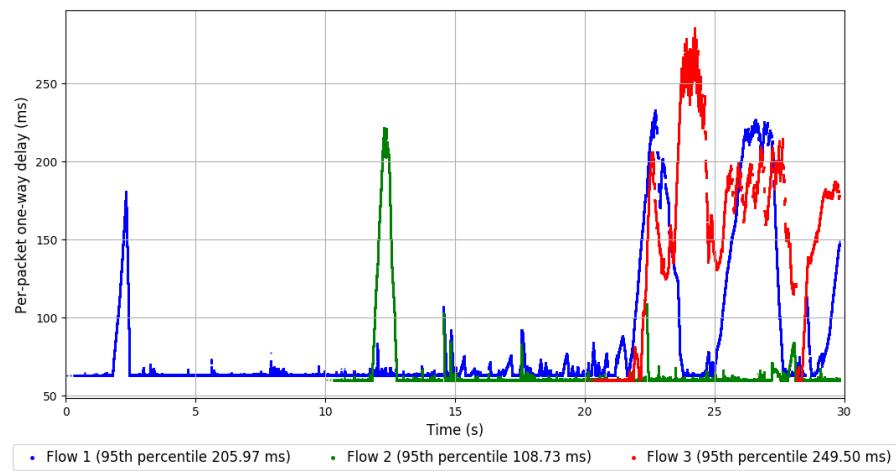
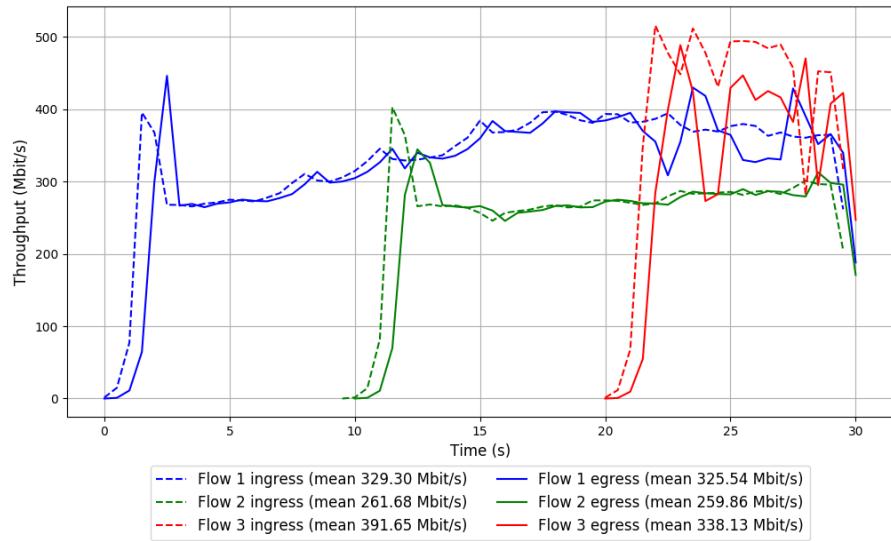


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-12 14:21:57
End at: 2019-07-12 14:22:27
Local clock offset: -0.001 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2019-07-12 19:57:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 608.49 Mbit/s
95th percentile per-packet one-way delay: 205.486 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 325.54 Mbit/s
95th percentile per-packet one-way delay: 205.966 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 259.86 Mbit/s
95th percentile per-packet one-way delay: 108.728 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 338.13 Mbit/s
95th percentile per-packet one-way delay: 249.505 ms
Loss rate: 14.72%
```

Run 1: Report of PCC-Allegro — Data Link

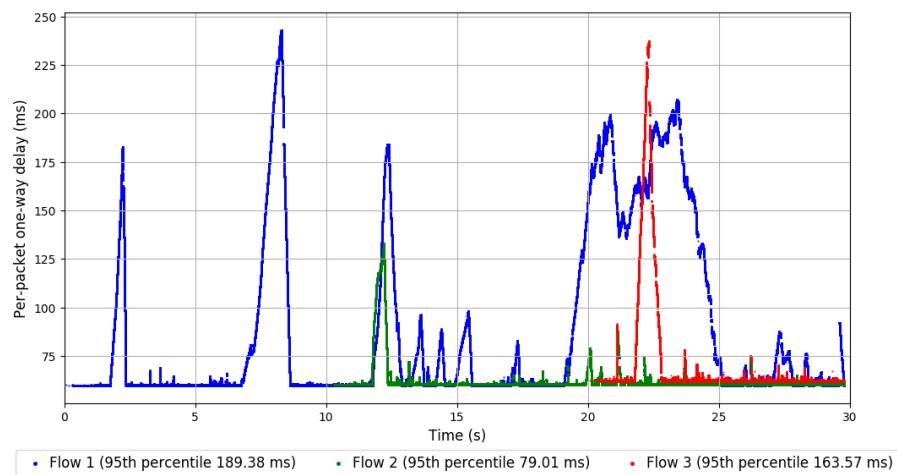
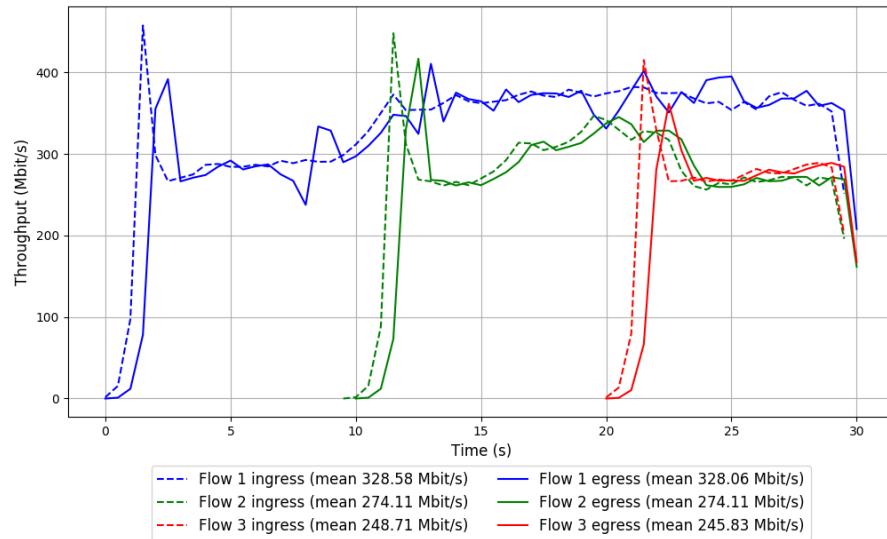


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-12 15:02:50
End at: 2019-07-12 15:03:20
Local clock offset: -0.055 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-07-12 19:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 590.35 Mbit/s
95th percentile per-packet one-way delay: 180.735 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 328.06 Mbit/s
95th percentile per-packet one-way delay: 189.376 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 274.11 Mbit/s
95th percentile per-packet one-way delay: 79.014 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 245.83 Mbit/s
95th percentile per-packet one-way delay: 163.569 ms
Loss rate: 2.39%
```

Run 2: Report of PCC-Allegro — Data Link

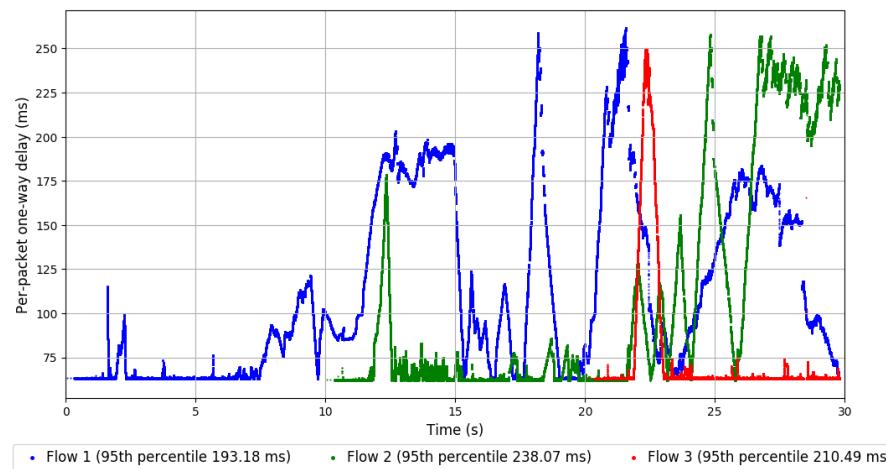
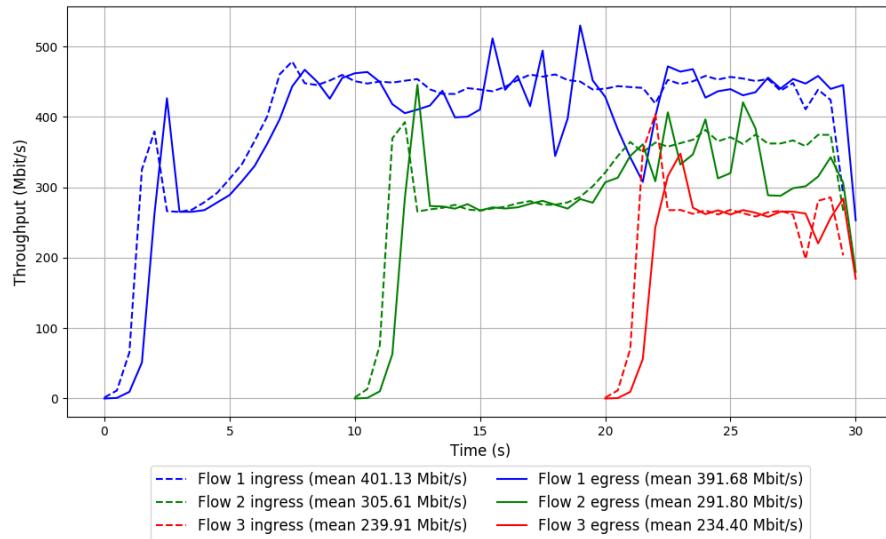


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-12 15:44:10
End at: 2019-07-12 15:44:40
Local clock offset: 0.015 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2019-07-12 20:01:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 661.80 Mbit/s
95th percentile per-packet one-way delay: 224.193 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 391.68 Mbit/s
95th percentile per-packet one-way delay: 193.182 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 291.80 Mbit/s
95th percentile per-packet one-way delay: 238.074 ms
Loss rate: 5.11%
-- Flow 3:
Average throughput: 234.40 Mbit/s
95th percentile per-packet one-way delay: 210.489 ms
Loss rate: 3.53%
```

Run 3: Report of PCC-Allegro — Data Link

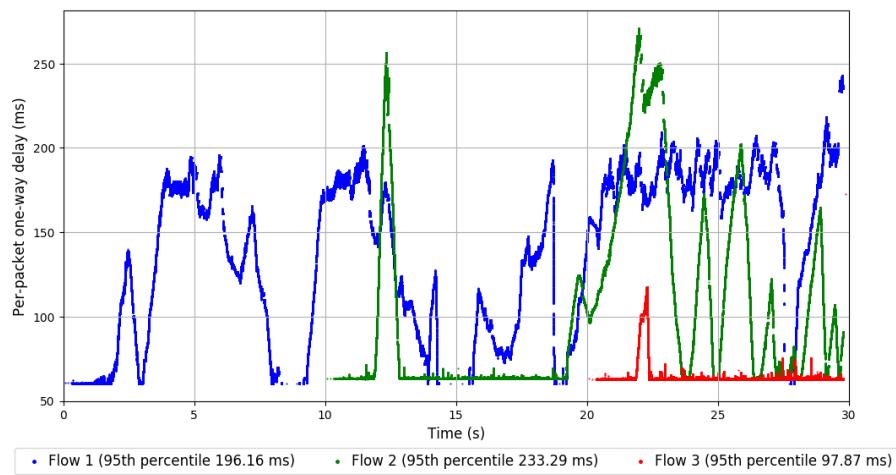
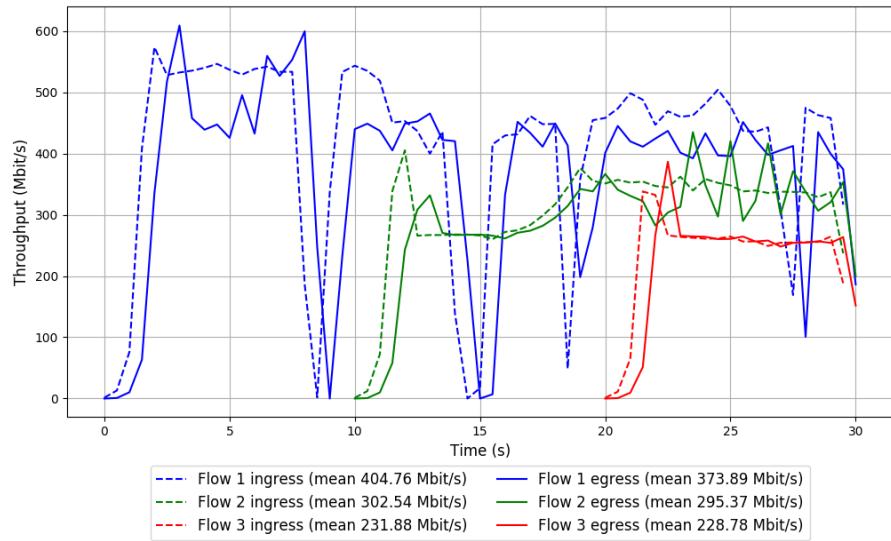


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-12 16:25:34
End at: 2019-07-12 16:26:04
Local clock offset: 0.016 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at 2019-07-12 20:01:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 642.99 Mbit/s
95th percentile per-packet one-way delay: 198.479 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 373.89 Mbit/s
95th percentile per-packet one-way delay: 196.157 ms
Loss rate: 8.01%
-- Flow 2:
Average throughput: 295.37 Mbit/s
95th percentile per-packet one-way delay: 233.291 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 228.78 Mbit/s
95th percentile per-packet one-way delay: 97.871 ms
Loss rate: 1.54%
```

Run 4: Report of PCC-Allegro — Data Link

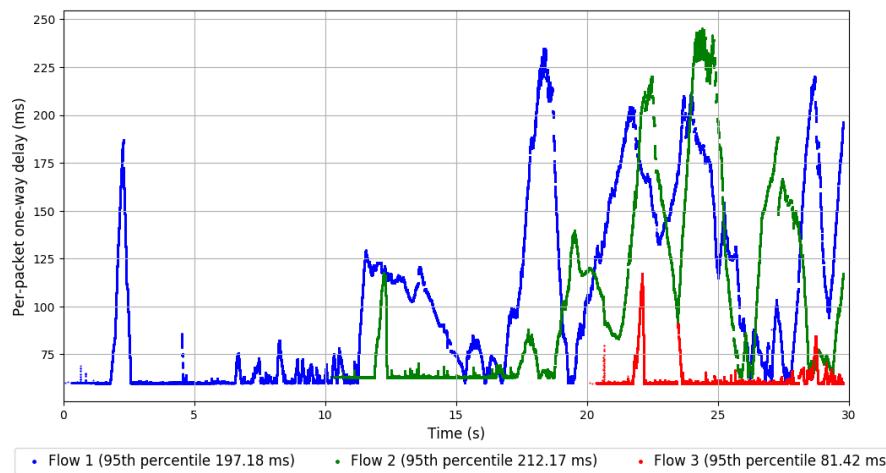
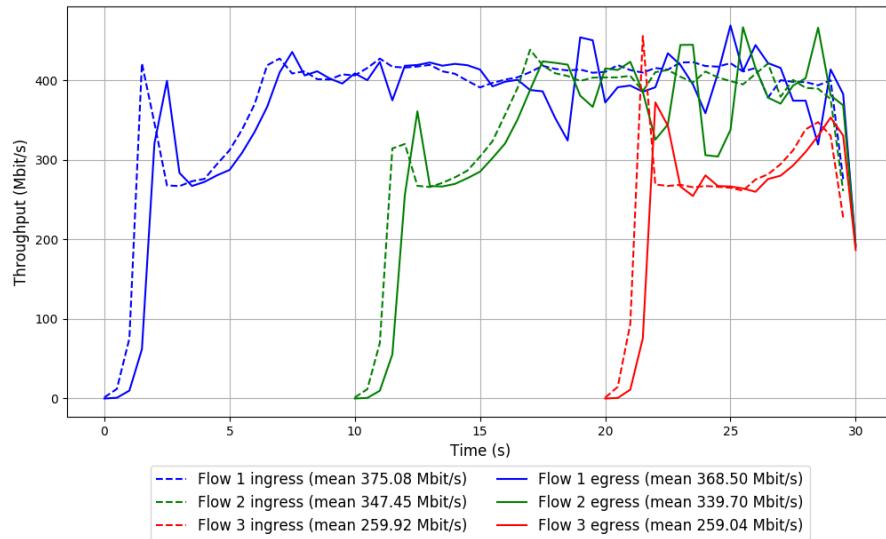


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-12 17:06:48
End at: 2019-07-12 17:07:18
Local clock offset: 0.02 ms
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2019-07-12 20:03:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.35 Mbit/s
95th percentile per-packet one-way delay: 198.541 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 368.50 Mbit/s
95th percentile per-packet one-way delay: 197.179 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 339.70 Mbit/s
95th percentile per-packet one-way delay: 212.169 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 259.04 Mbit/s
95th percentile per-packet one-way delay: 81.424 ms
Loss rate: 1.59%
```

Run 5: Report of PCC-Allegro — Data Link

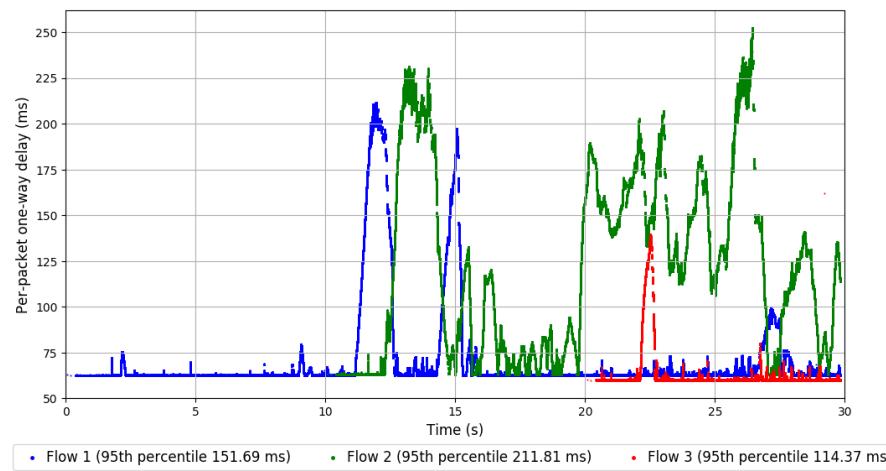
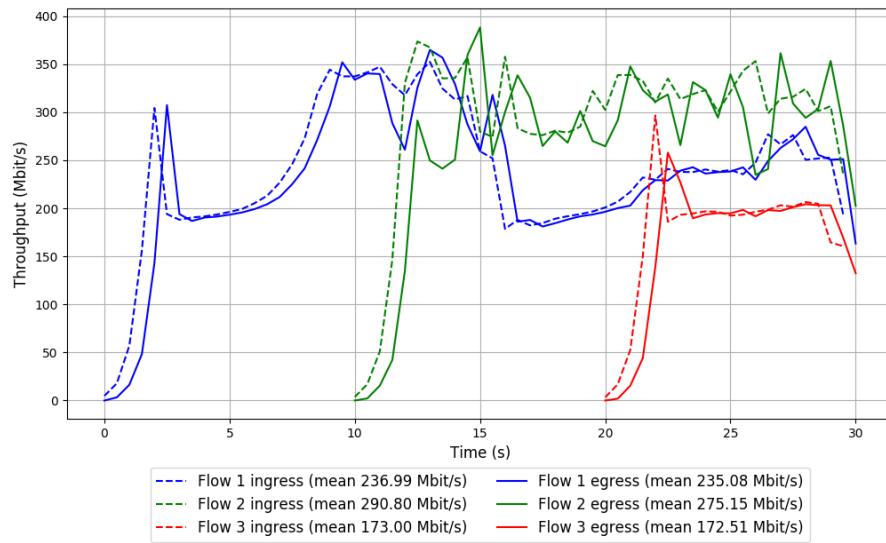


Run 1: Statistics of PCC-Expr

```
Start at: 2019-07-12 14:15:15
End at: 2019-07-12 14:15:45
Local clock offset: 0.024 ms
Remote clock offset: -0.294 ms

# Below is generated by plot.py at 2019-07-12 20:03:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.04 Mbit/s
95th percentile per-packet one-way delay: 192.142 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 235.08 Mbit/s
95th percentile per-packet one-way delay: 151.688 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 275.15 Mbit/s
95th percentile per-packet one-way delay: 211.812 ms
Loss rate: 5.97%
-- Flow 3:
Average throughput: 172.51 Mbit/s
95th percentile per-packet one-way delay: 114.369 ms
Loss rate: 1.50%
```

Run 1: Report of PCC-Expr — Data Link

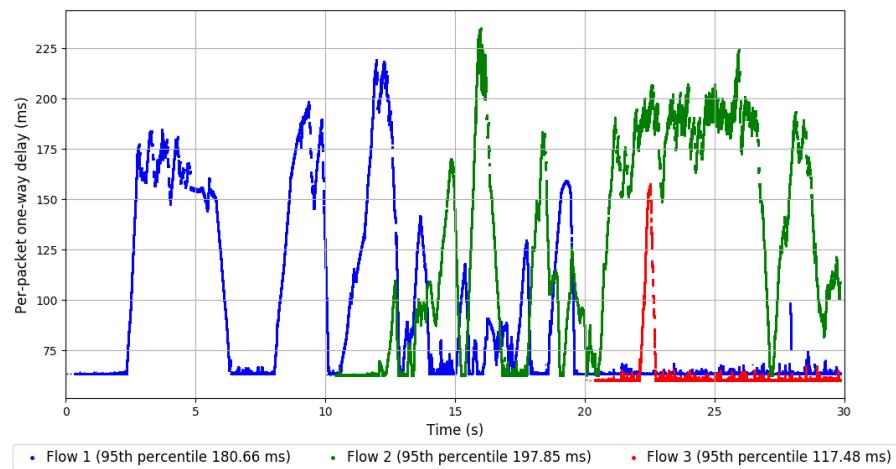
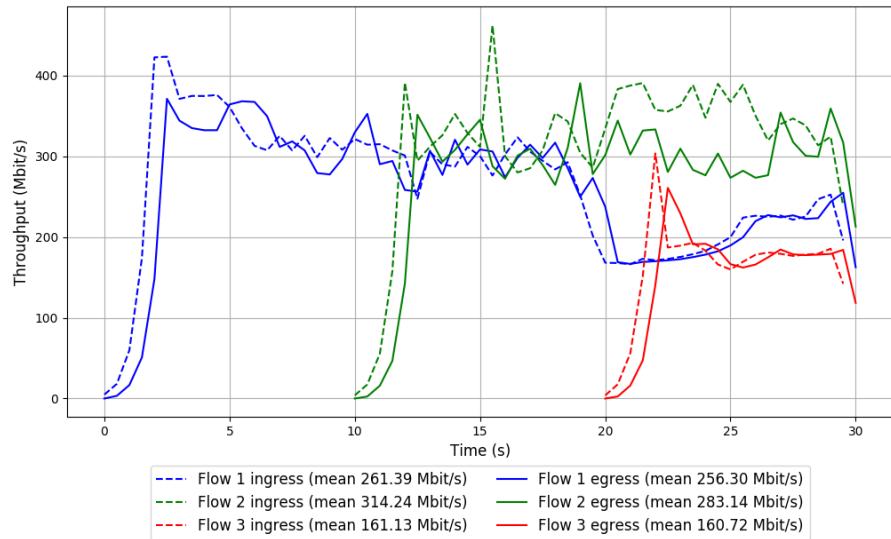


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-12 14:56:08
End at: 2019-07-12 14:56:38
Local clock offset: -0.048 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2019-07-12 20:03:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.89 Mbit/s
95th percentile per-packet one-way delay: 192.703 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 256.30 Mbit/s
95th percentile per-packet one-way delay: 180.661 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 283.14 Mbit/s
95th percentile per-packet one-way delay: 197.850 ms
Loss rate: 10.46%
-- Flow 3:
Average throughput: 160.72 Mbit/s
95th percentile per-packet one-way delay: 117.482 ms
Loss rate: 1.47%
```

Run 2: Report of PCC-Expr — Data Link

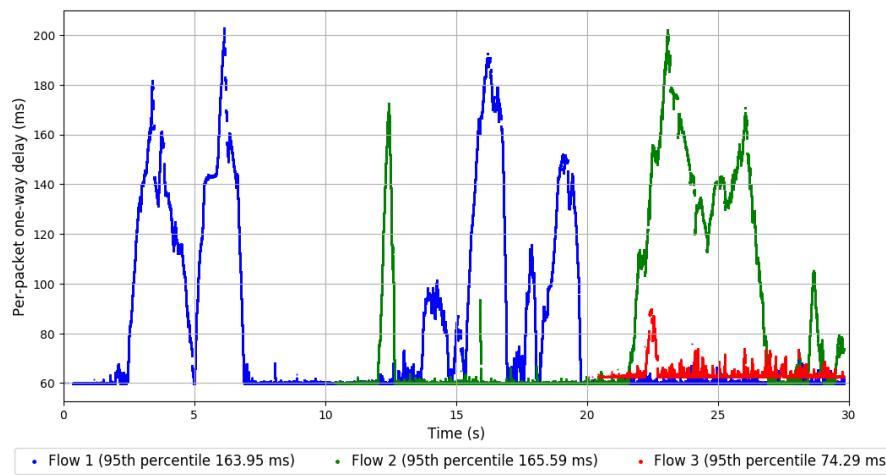
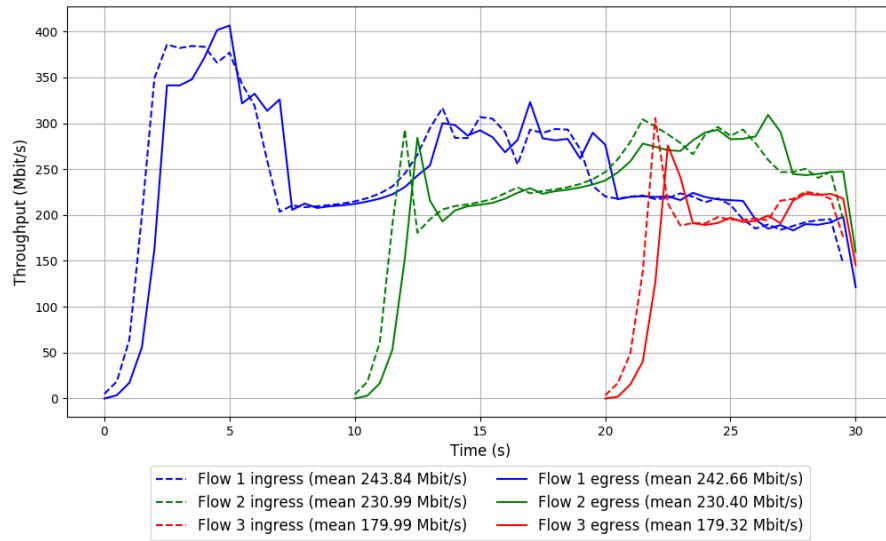


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-12 15:37:26
End at: 2019-07-12 15:37:56
Local clock offset: -0.03 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2019-07-12 20:03:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.32 Mbit/s
95th percentile per-packet one-way delay: 161.661 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 242.66 Mbit/s
95th percentile per-packet one-way delay: 163.946 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 230.40 Mbit/s
95th percentile per-packet one-way delay: 165.587 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 179.32 Mbit/s
95th percentile per-packet one-way delay: 74.293 ms
Loss rate: 1.61%
```

Run 3: Report of PCC-Expr — Data Link

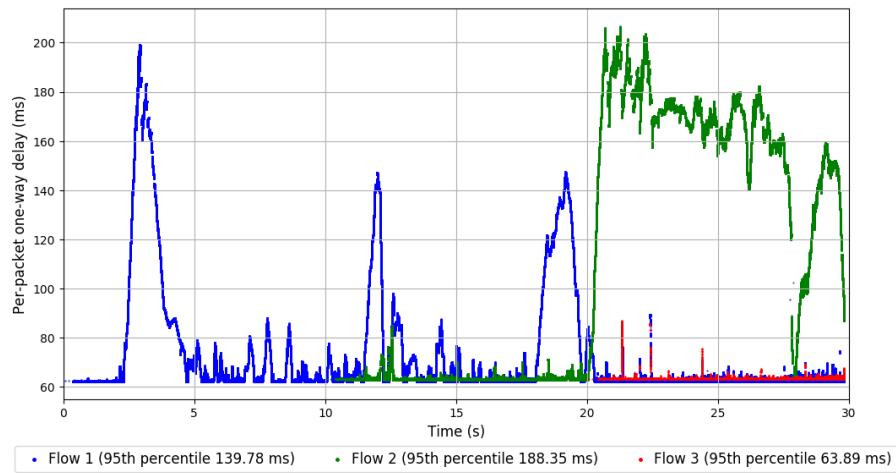
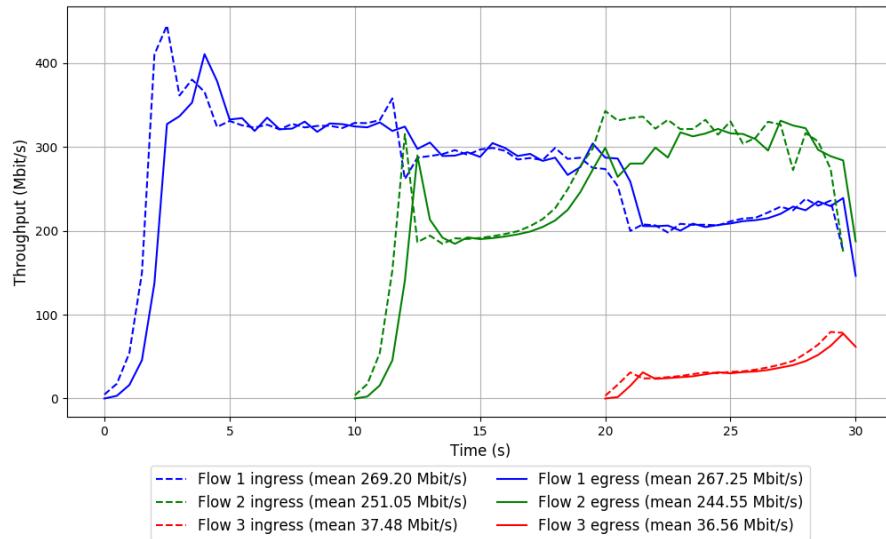


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-12 16:18:50
End at: 2019-07-12 16:19:20
Local clock offset: -0.003 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2019-07-12 20:10:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.49 Mbit/s
95th percentile per-packet one-way delay: 176.257 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 267.25 Mbit/s
95th percentile per-packet one-way delay: 139.779 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 244.55 Mbit/s
95th percentile per-packet one-way delay: 188.354 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 63.886 ms
Loss rate: 3.71%
```

Run 4: Report of PCC-Expr — Data Link

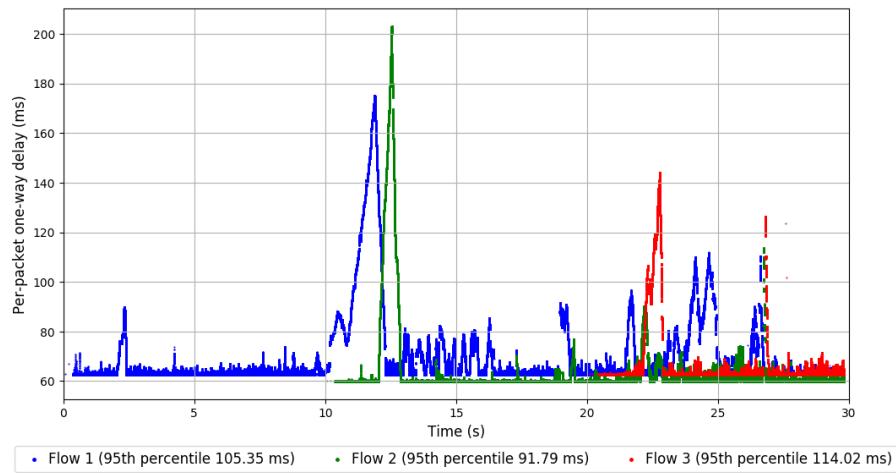
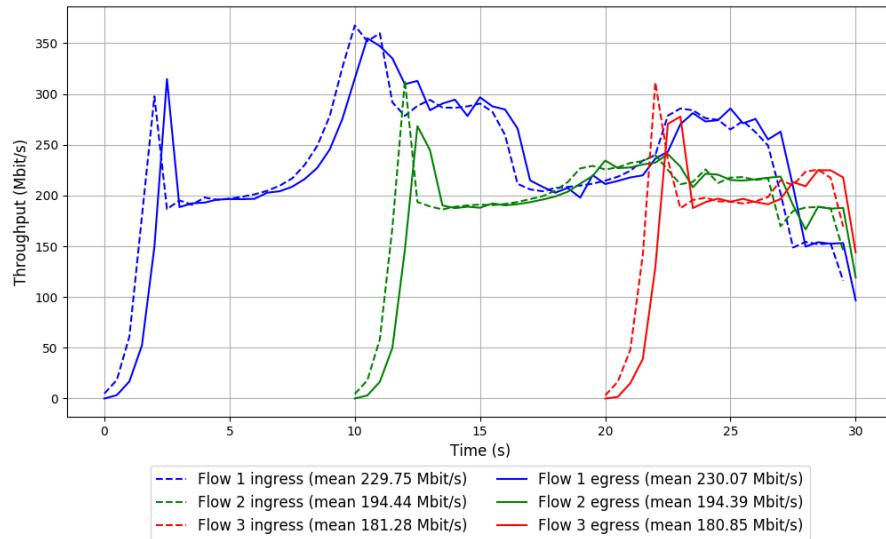


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-12 17:00:11
End at: 2019-07-12 17:00:41
Local clock offset: -0.01 ms
Remote clock offset: -0.31 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.12 Mbit/s
95th percentile per-packet one-way delay: 105.261 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 230.07 Mbit/s
95th percentile per-packet one-way delay: 105.347 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 194.39 Mbit/s
95th percentile per-packet one-way delay: 91.787 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 180.85 Mbit/s
95th percentile per-packet one-way delay: 114.020 ms
Loss rate: 1.51%
```

Run 5: Report of PCC-Expr — Data Link

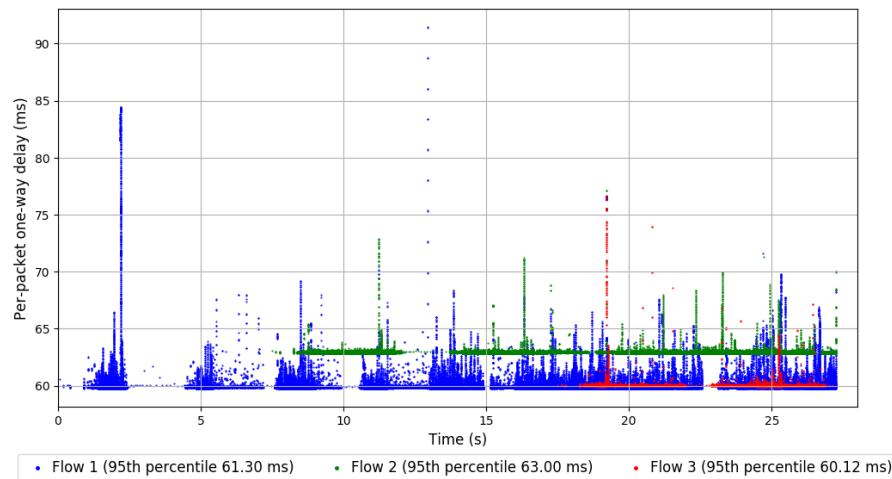
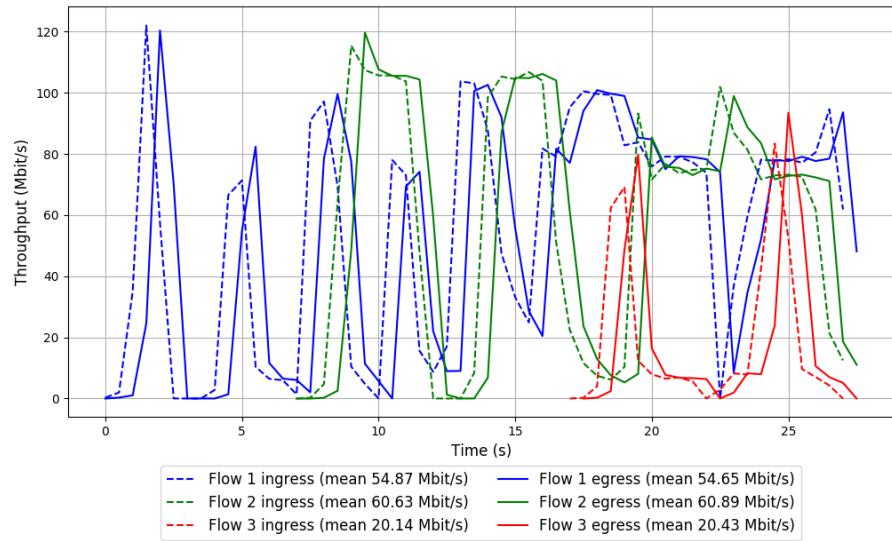


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-12 14:27:04
End at: 2019-07-12 14:27:34
Local clock offset: 0.015 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.14 Mbit/s
95th percentile per-packet one-way delay: 62.969 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 61.302 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 63.002 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

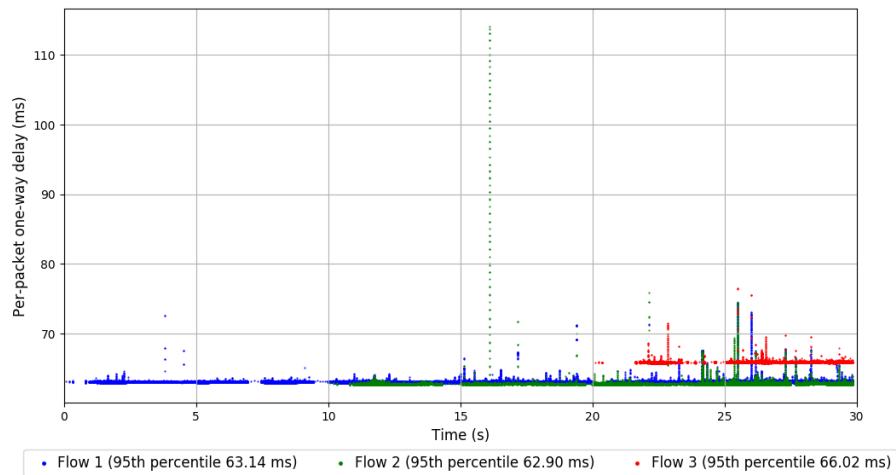
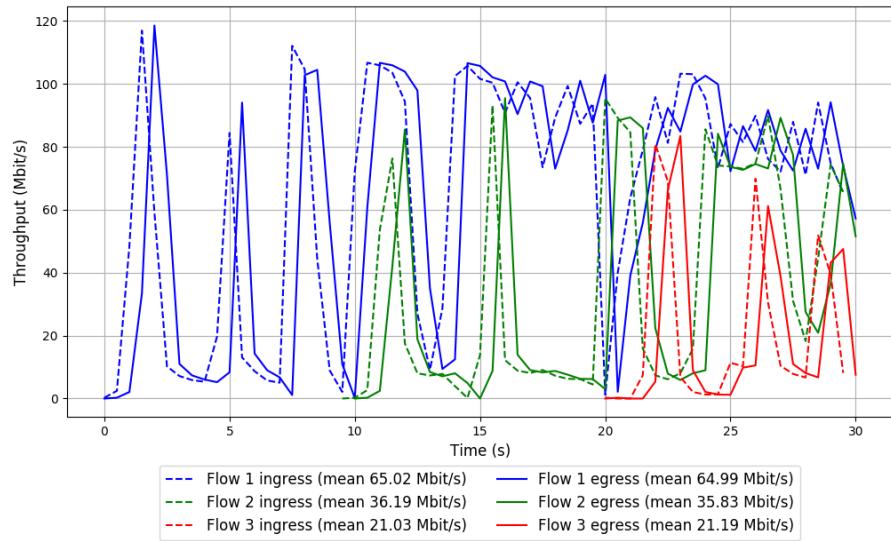


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-12 15:07:55
End at: 2019-07-12 15:08:25
Local clock offset: -0.022 ms
Remote clock offset: -0.679 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 65.832 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 63.144 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 62.903 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 66.018 ms
Loss rate: 0.53%
```

Run 2: Report of QUIC Cubic — Data Link

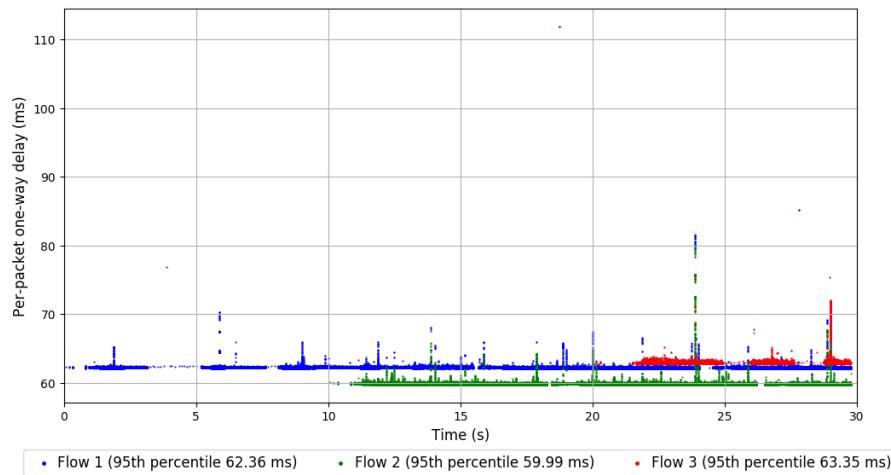
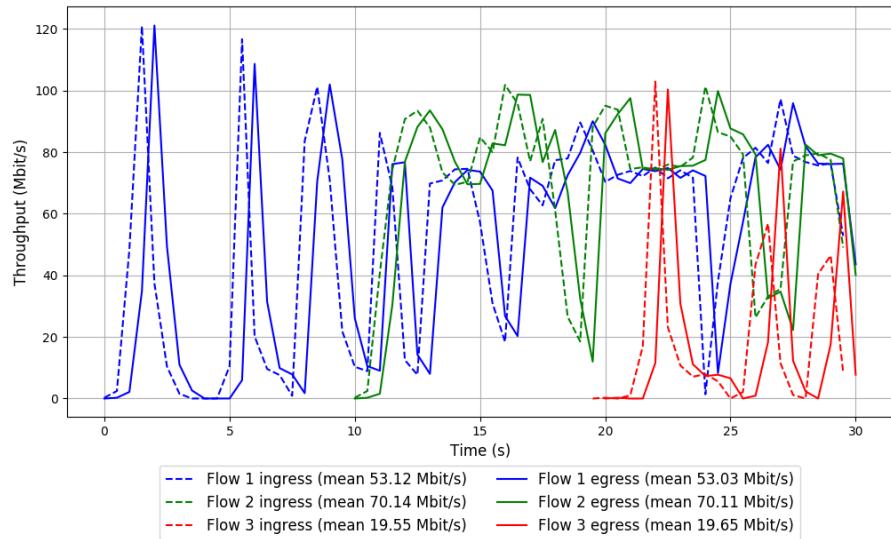


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-12 15:49:14
End at: 2019-07-12 15:49:44
Local clock offset: 0.021 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.95 Mbit/s
95th percentile per-packet one-way delay: 62.904 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 62.363 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 59.995 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 63.347 ms
Loss rate: 0.73%
```

Run 3: Report of QUIC Cubic — Data Link

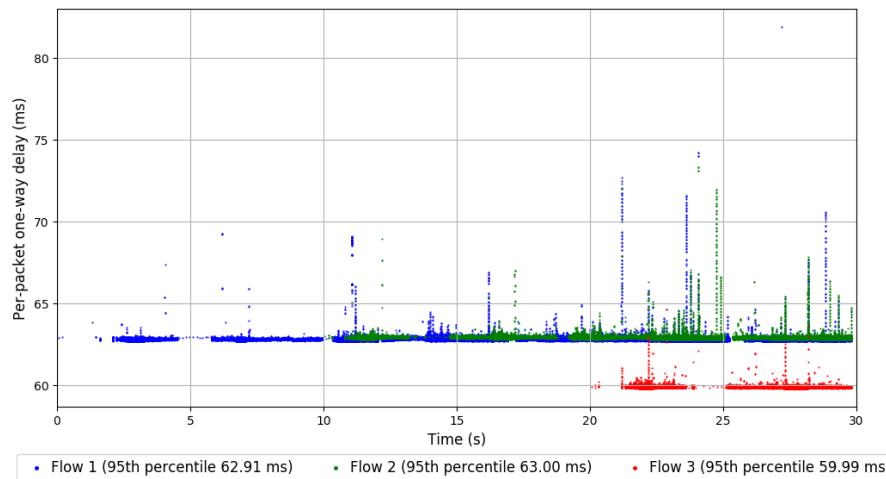
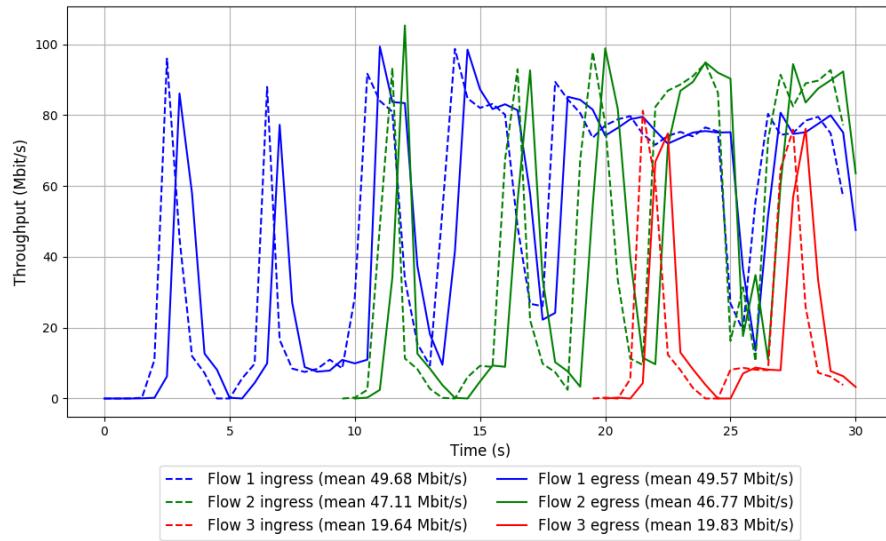


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-12 16:30:41
End at: 2019-07-12 16:31:11
Local clock offset: -0.038 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 62.965 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 62.910 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 63.003 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 59.995 ms
Loss rate: 0.32%
```

Run 4: Report of QUIC Cubic — Data Link

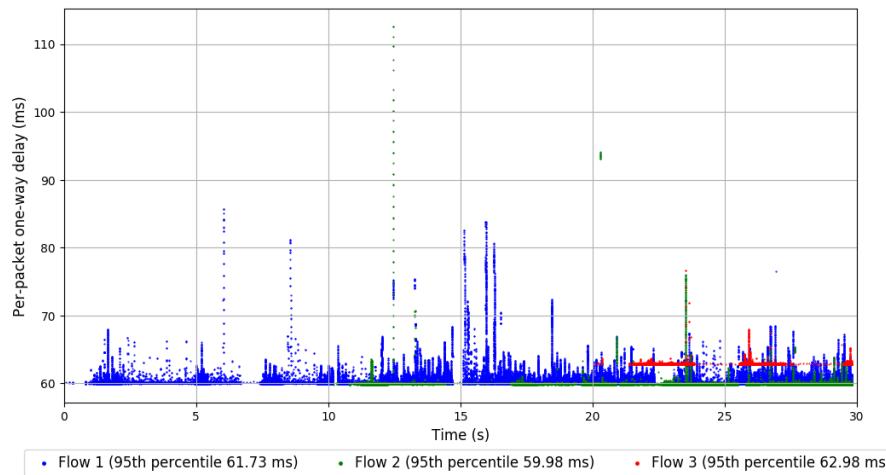
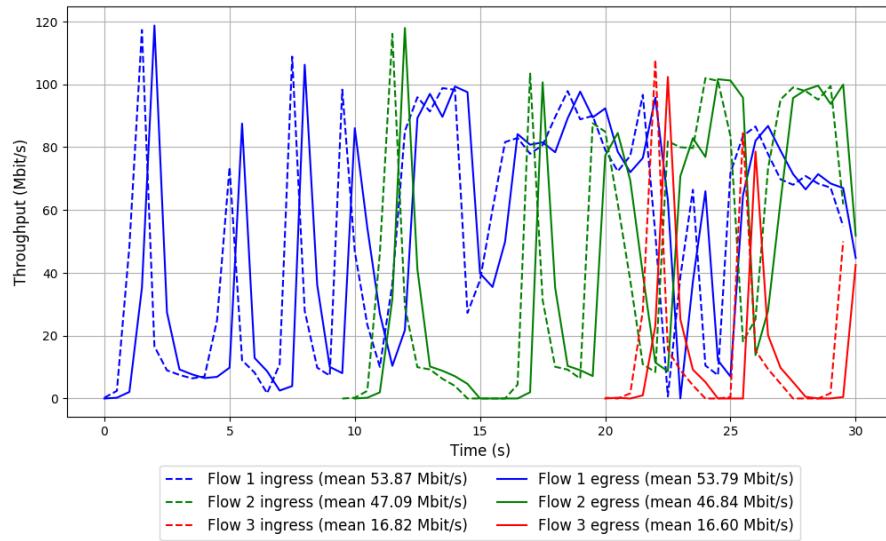


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-12 17:11:59
End at: 2019-07-12 17:12:29
Local clock offset: -0.014 ms
Remote clock offset: -0.292 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 62.846 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 61.730 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 59.982 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 2.63%
```

Run 5: Report of QUIC Cubic — Data Link

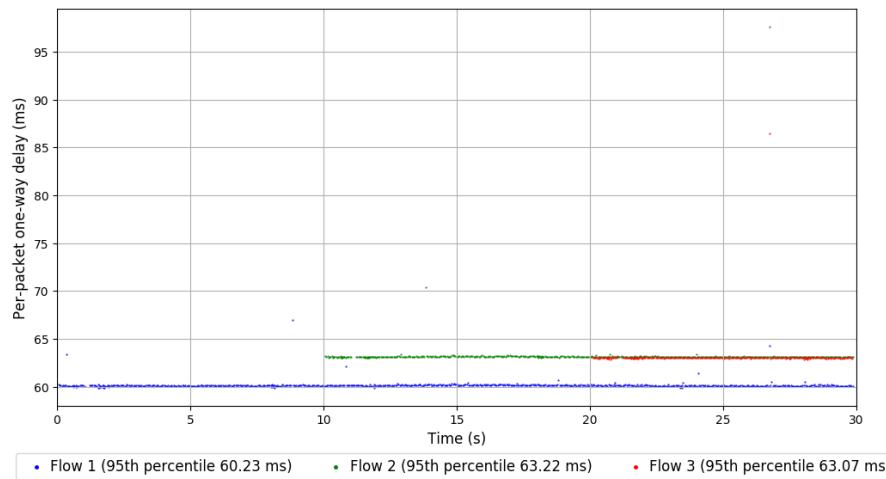
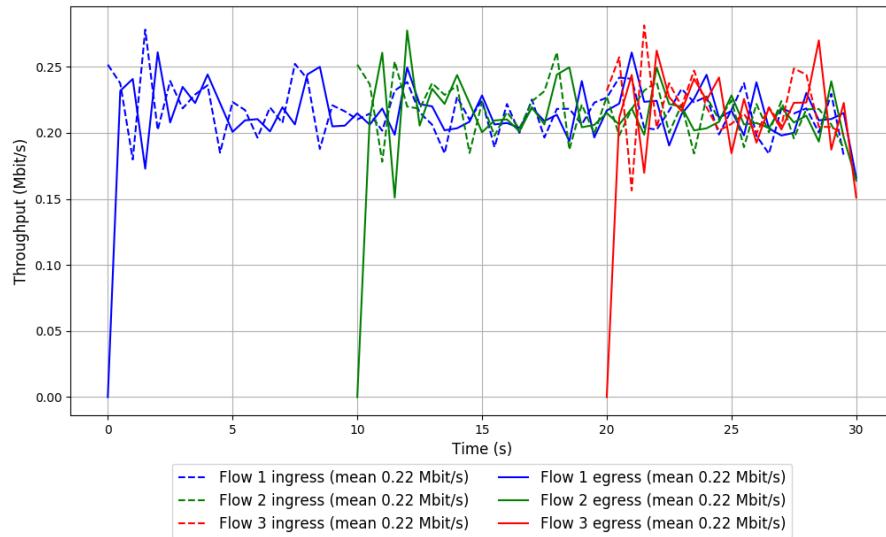


Run 1: Statistics of SCReAM

```
Start at: 2019-07-12 14:20:45
End at: 2019-07-12 14:21:15
Local clock offset: 0.005 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.178 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.233 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.219 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.073 ms
Loss rate: 1.45%
```

Run 1: Report of SCReAM — Data Link

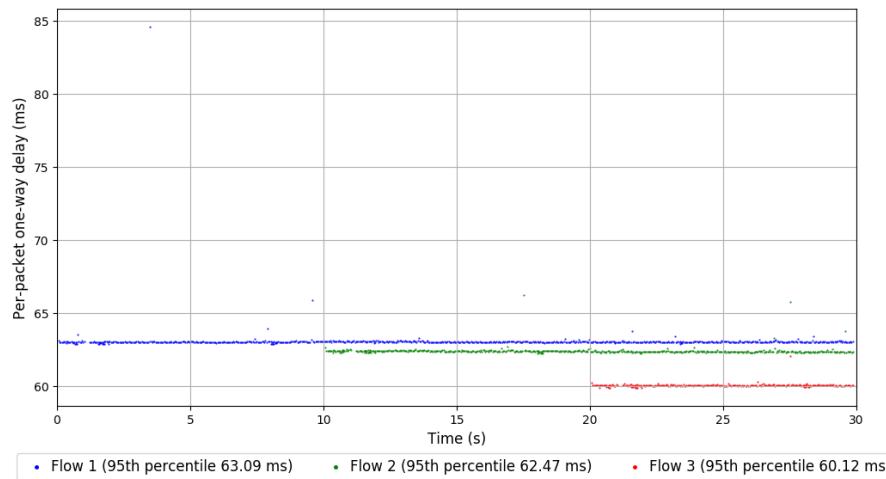
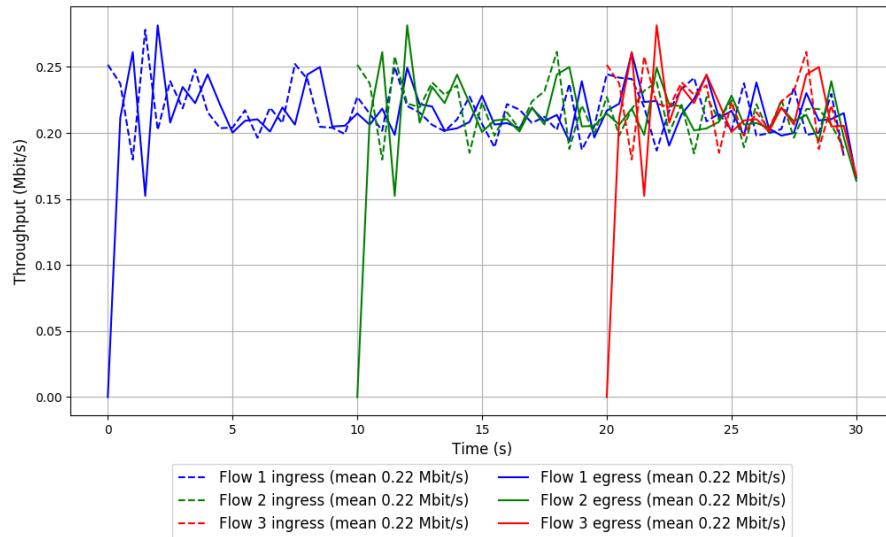


Run 2: Statistics of SCReAM

```
Start at: 2019-07-12 15:01:38
End at: 2019-07-12 15:02:08
Local clock offset: -0.045 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.062 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.089 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.473 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.117 ms
Loss rate: 1.08%
```

Run 2: Report of SCReAM — Data Link

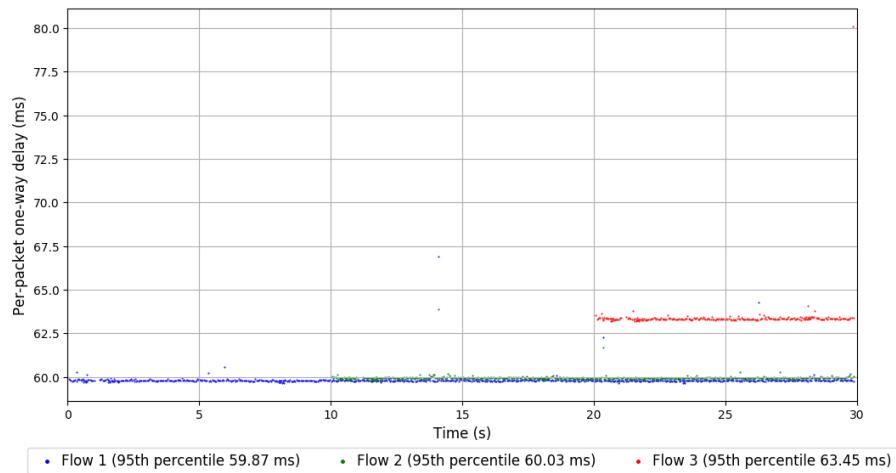
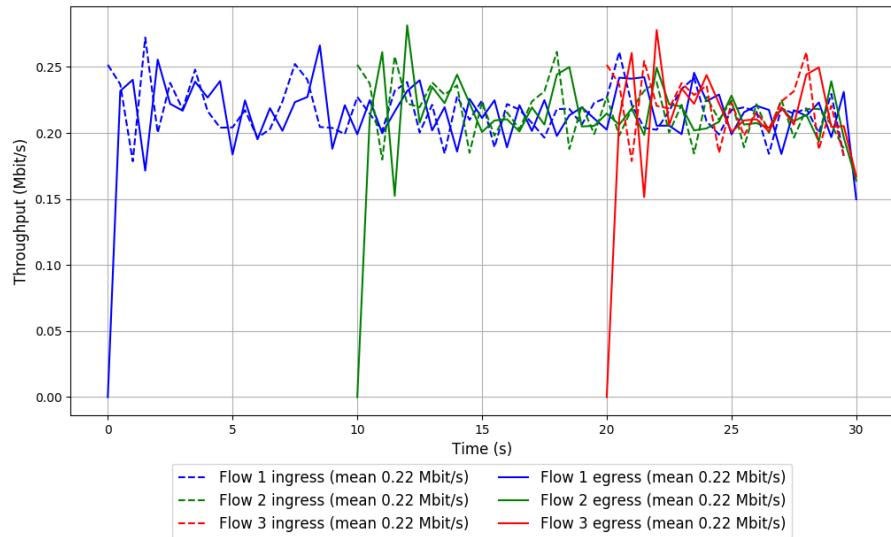


Run 3: Statistics of SCReAM

```
Start at: 2019-07-12 15:42:57
End at: 2019-07-12 15:43:27
Local clock offset: 0.005 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.355 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.872 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.035 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.451 ms
Loss rate: 1.09%
```

Run 3: Report of SCReAM — Data Link

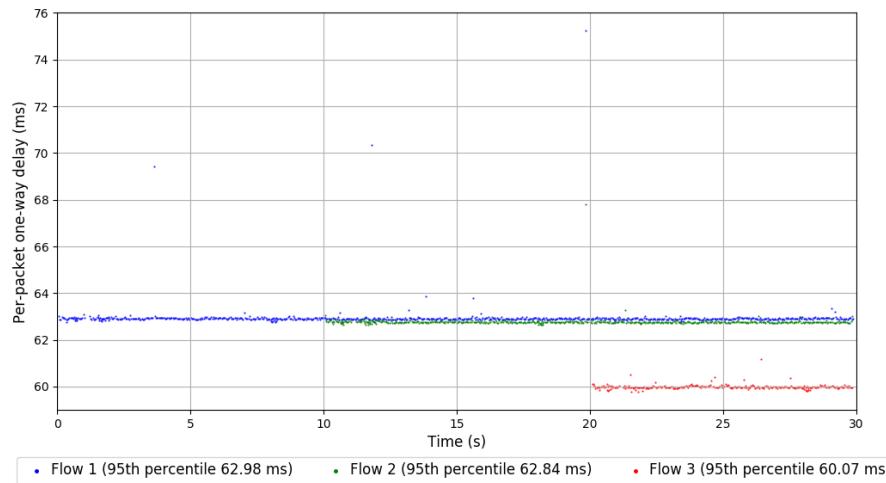
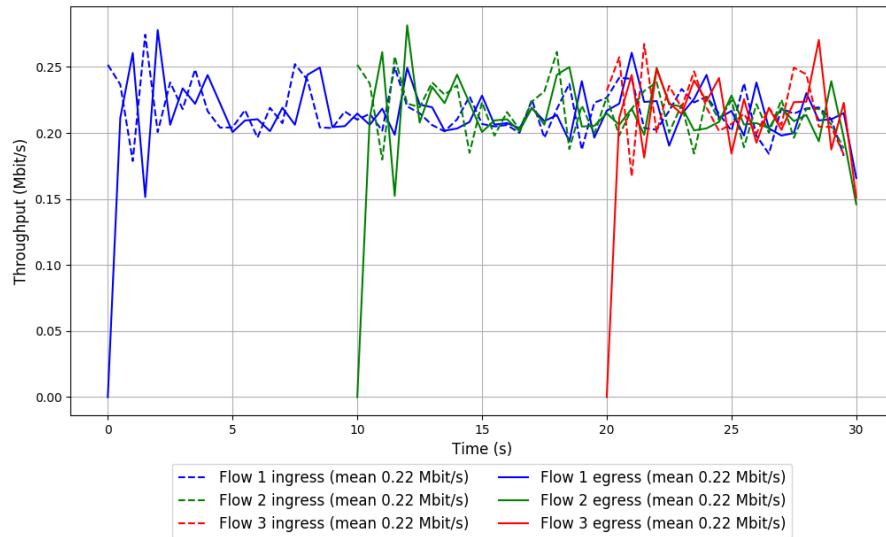


Run 4: Statistics of SCReAM

```
Start at: 2019-07-12 16:24:22
End at: 2019-07-12 16:24:52
Local clock offset: -0.054 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 62.956 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.838 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.072 ms
Loss rate: 1.10%
```

Run 4: Report of SCReAM — Data Link

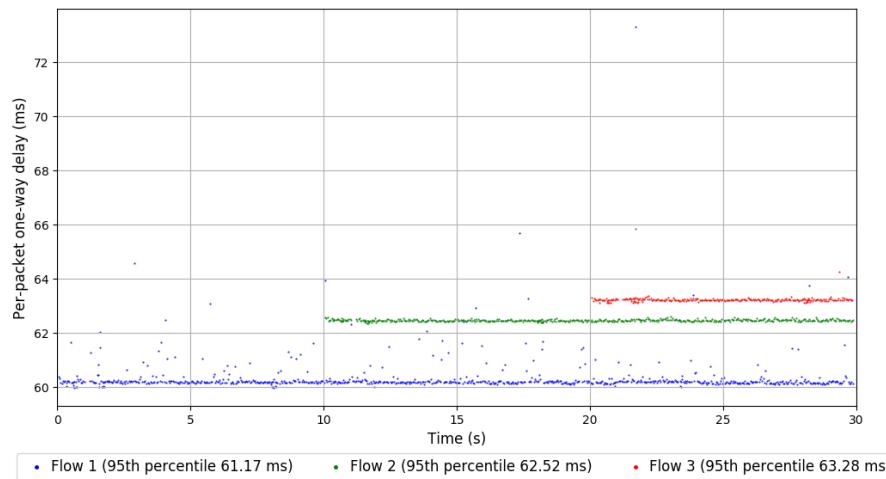
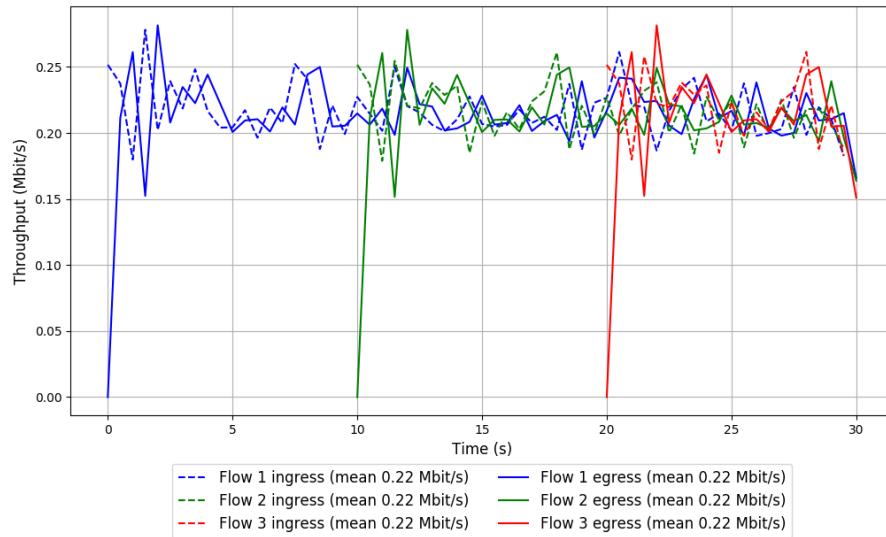


Run 5: Statistics of SCReAM

```
Start at: 2019-07-12 17:05:35
End at: 2019-07-12 17:06:05
Local clock offset: -0.003 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 63.231 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.169 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.520 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.279 ms
Loss rate: 1.45%
```

Run 5: Report of SCReAM — Data Link

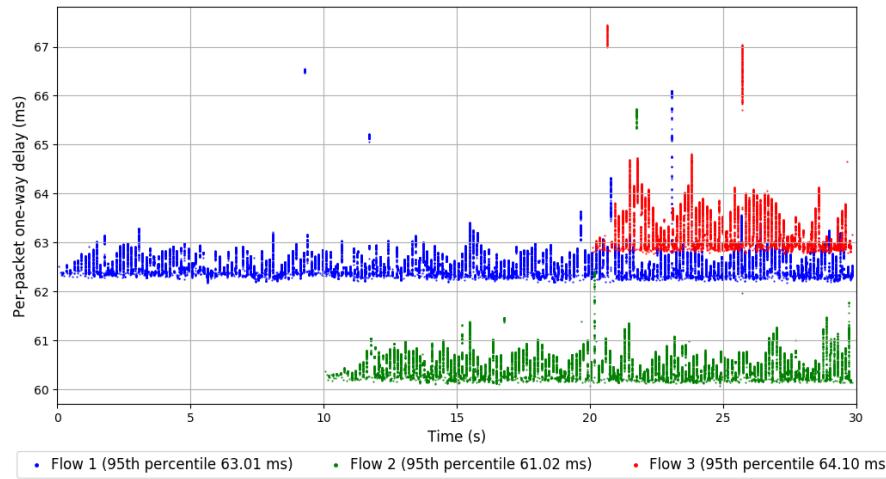
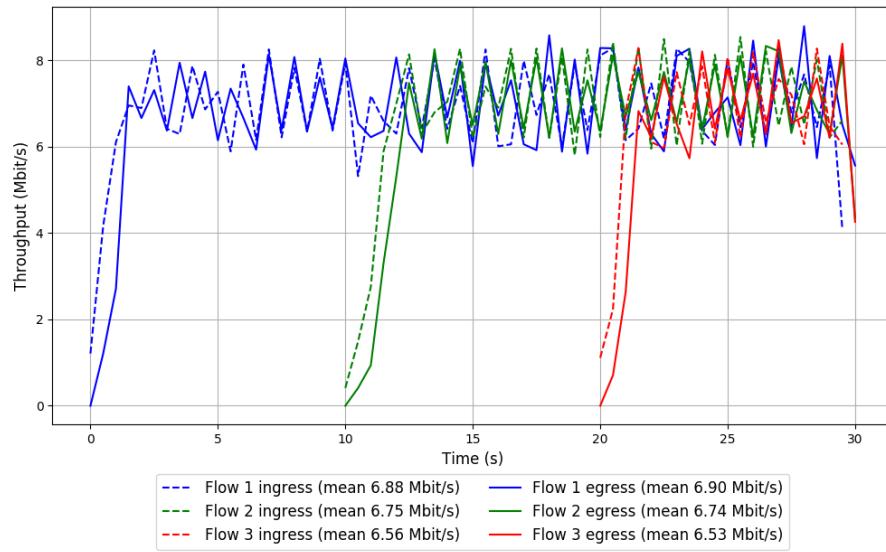


Run 1: Statistics of Sprout

```
Start at: 2019-07-12 14:10:36
End at: 2019-07-12 14:11:06
Local clock offset: 0.001 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 63.578 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 63.008 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 61.020 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 64.100 ms
Loss rate: 1.50%
```

Run 1: Report of Sprout — Data Link

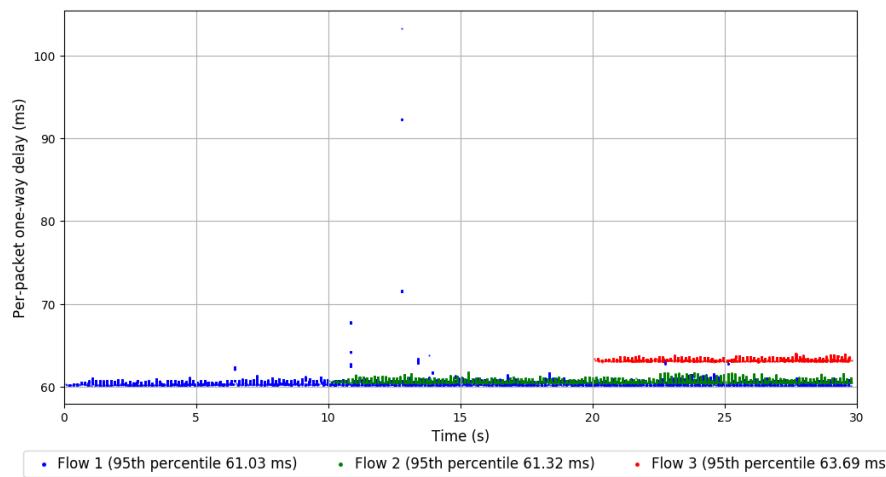
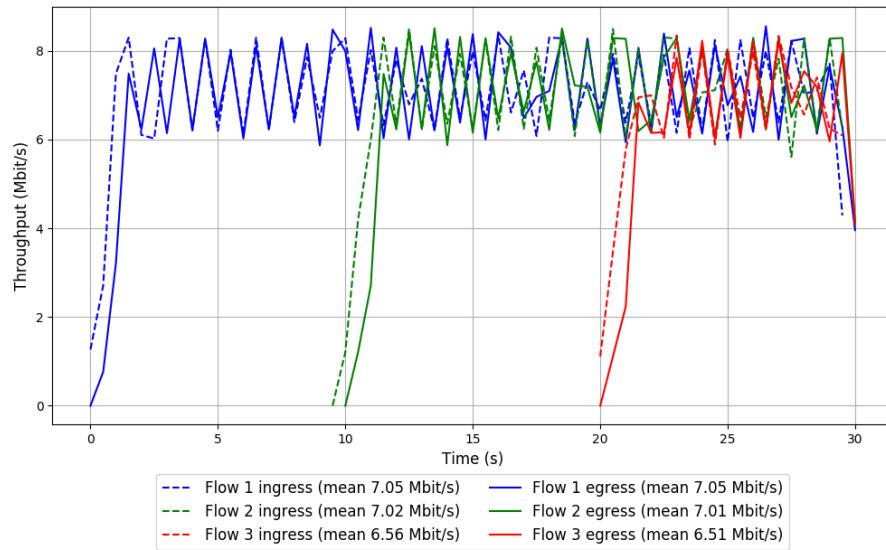


Run 2: Statistics of Sprout

```
Start at: 2019-07-12 14:51:29
End at: 2019-07-12 14:51:59
Local clock offset: -0.05 ms
Remote clock offset: -0.271 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 61.034 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 61.316 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 63.685 ms
Loss rate: 1.77%
```

Run 2: Report of Sprout — Data Link

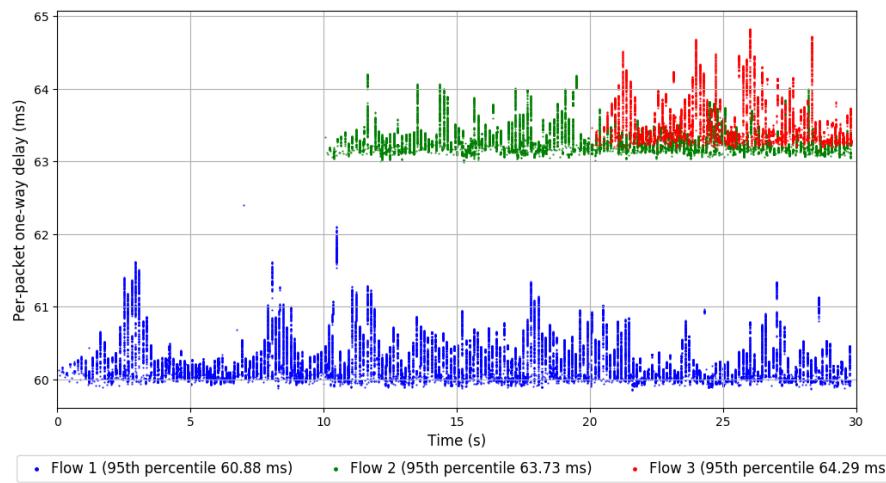
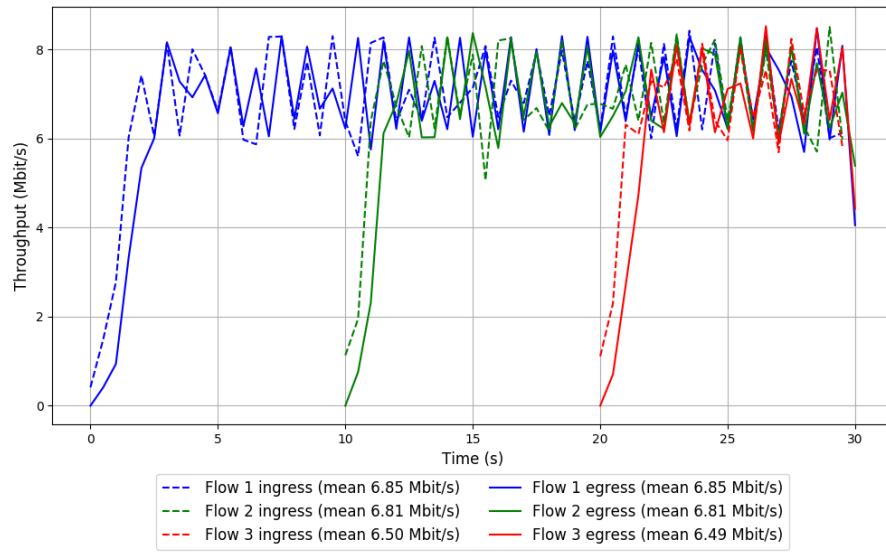


Run 3: Statistics of Sprout

```
Start at: 2019-07-12 15:32:48
End at: 2019-07-12 15:33:18
Local clock offset: -0.019 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 63.787 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 60.878 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 63.728 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 64.291 ms
Loss rate: 1.57%
```

Run 3: Report of Sprout — Data Link

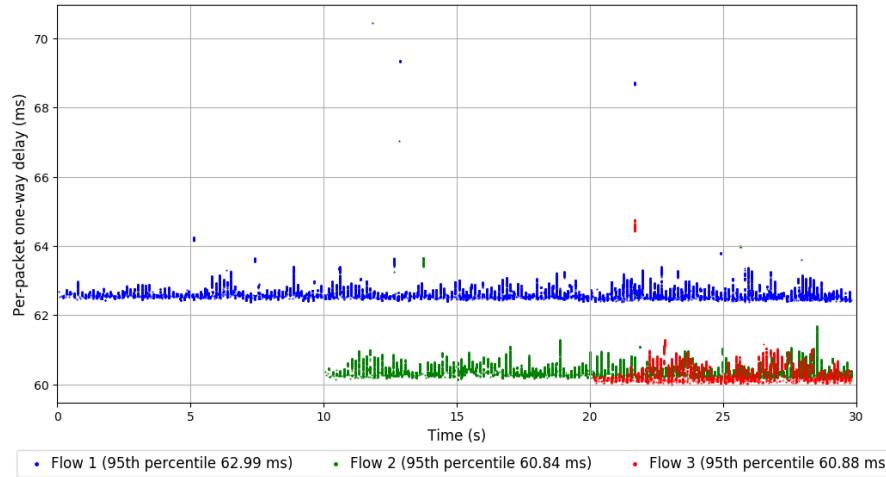
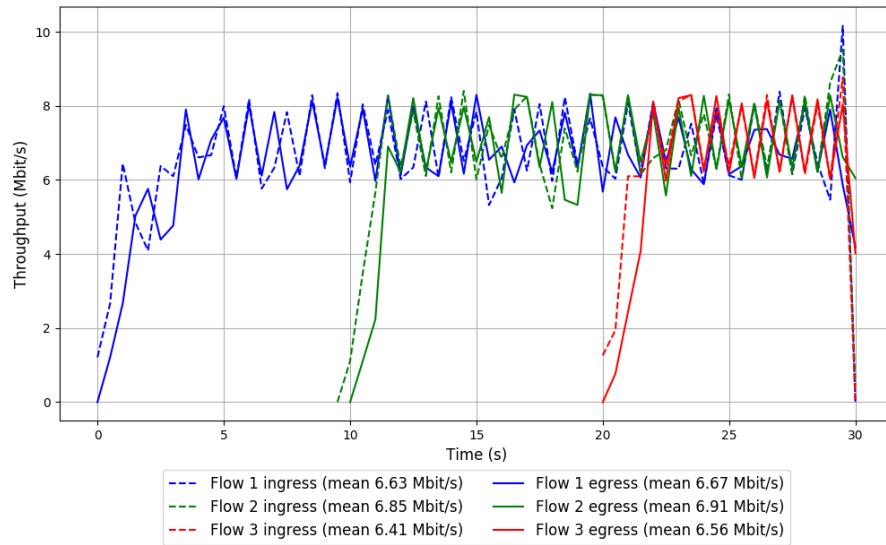


Run 4: Statistics of Sprout

```
Start at: 2019-07-12 16:14:10
End at: 2019-07-12 16:14:40
Local clock offset: -0.011 ms
Remote clock offset: -0.356 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 62.888 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 62.987 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 60.840 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 60.882 ms
Loss rate: 3.59%
```

Run 4: Report of Sprout — Data Link

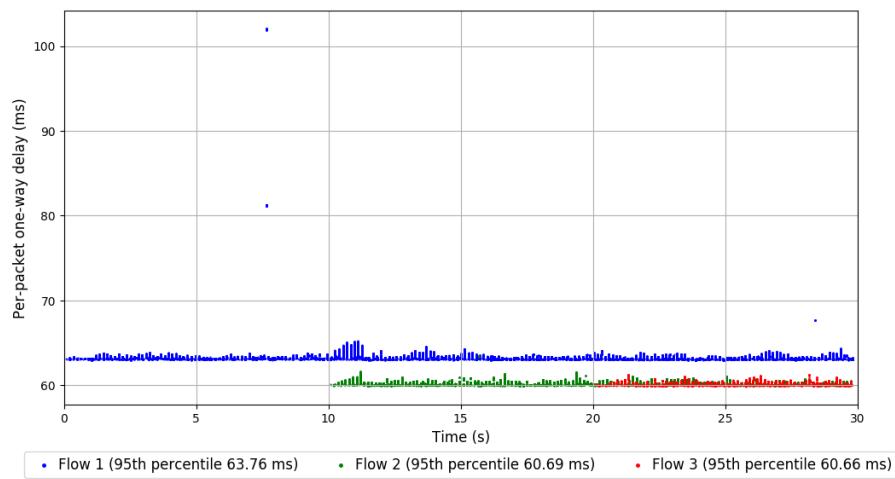
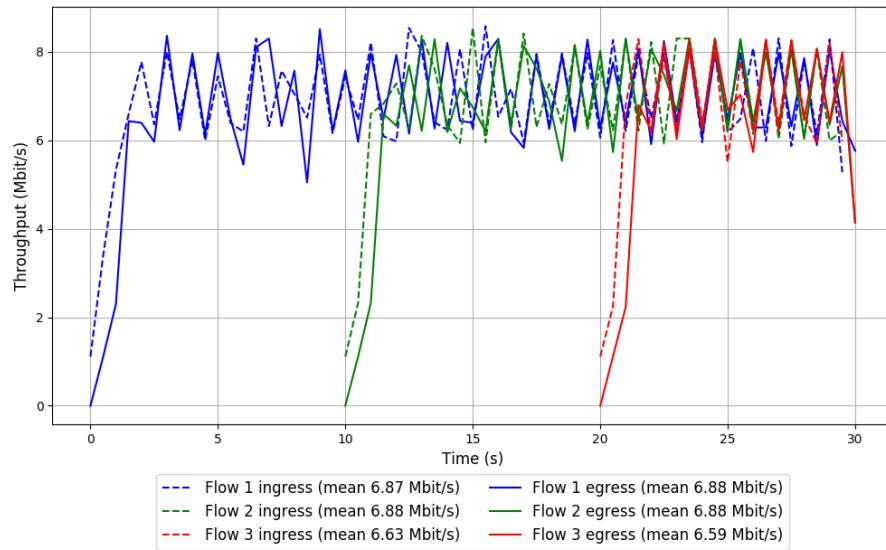


Run 5: Statistics of Sprout

```
Start at: 2019-07-12 16:55:34
End at: 2019-07-12 16:56:04
Local clock offset: -0.012 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-07-12 20:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 63.605 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 63.761 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 60.685 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 60.661 ms
Loss rate: 1.58%
```

Run 5: Report of Sprout — Data Link

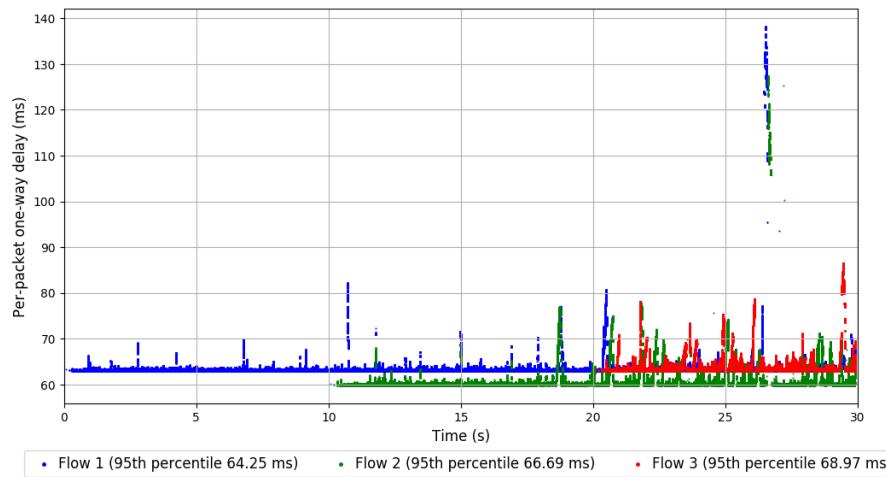
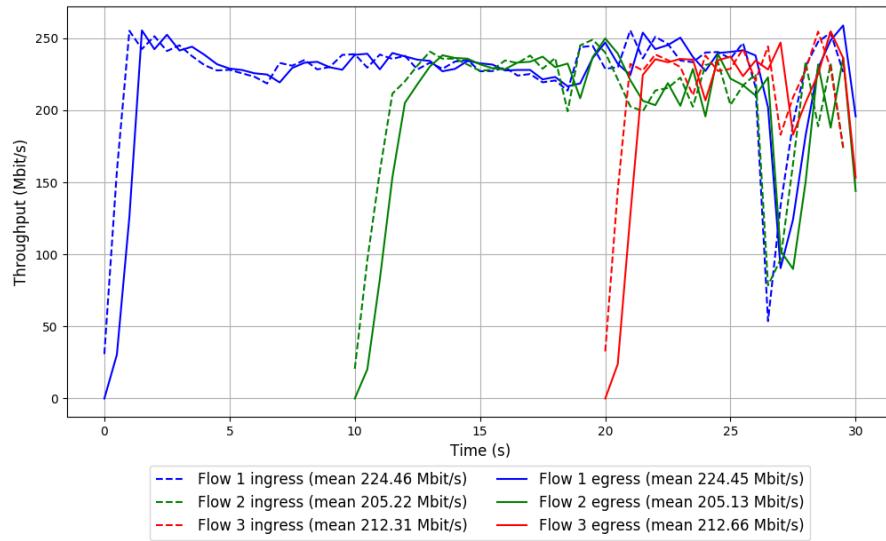


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-12 14:00:31
End at: 2019-07-12 14:01:01
Local clock offset: -0.008 ms
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2019-07-12 20:18:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.91 Mbit/s
95th percentile per-packet one-way delay: 65.661 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 224.45 Mbit/s
95th percentile per-packet one-way delay: 64.249 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 205.13 Mbit/s
95th percentile per-packet one-way delay: 66.695 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 212.66 Mbit/s
95th percentile per-packet one-way delay: 68.966 ms
Loss rate: 1.08%
```

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

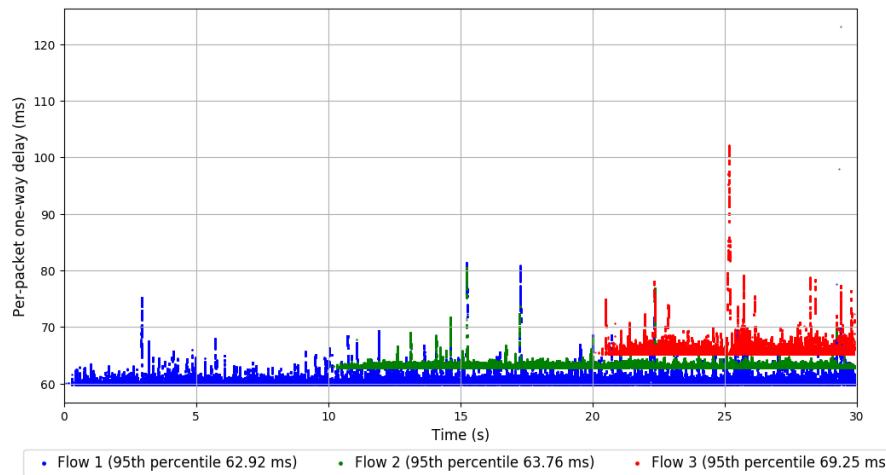
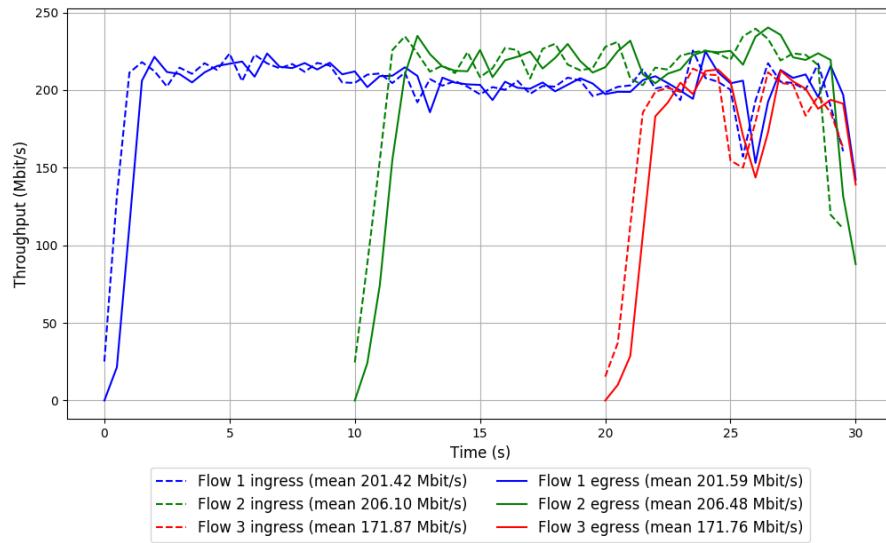


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-12 14:41:33
End at: 2019-07-12 14:42:03
Local clock offset: -0.027 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2019-07-12 20:18:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.30 Mbit/s
95th percentile per-packet one-way delay: 66.111 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 201.59 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 206.48 Mbit/s
95th percentile per-packet one-way delay: 63.756 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 69.253 ms
Loss rate: 1.26%
```

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

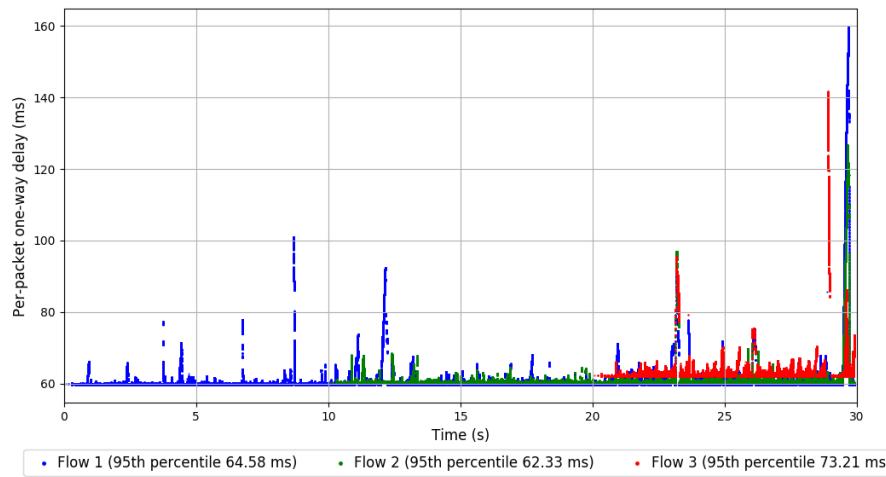
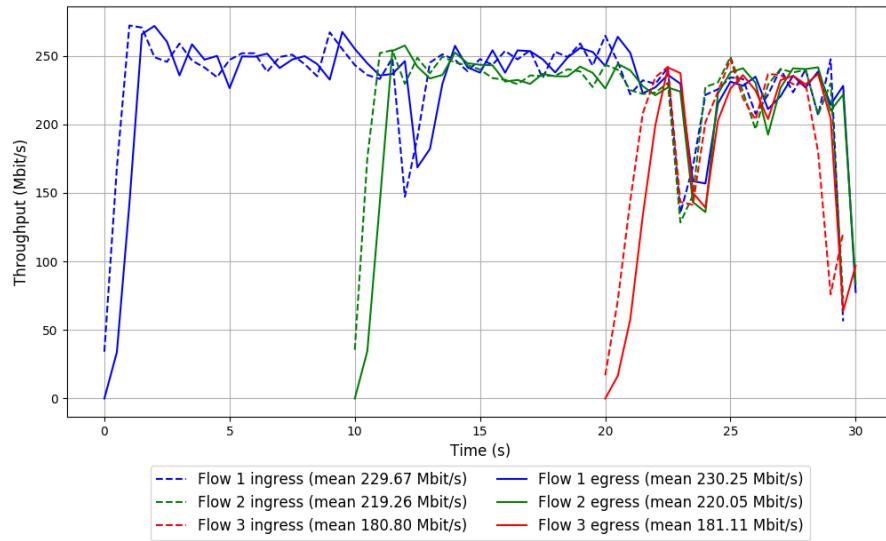


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-12 15:22:33
End at: 2019-07-12 15:23:03
Local clock offset: 0.004 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2019-07-12 20:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.32 Mbit/s
95th percentile per-packet one-way delay: 65.106 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 64.582 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 220.05 Mbit/s
95th percentile per-packet one-way delay: 62.330 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 181.11 Mbit/s
95th percentile per-packet one-way delay: 73.213 ms
Loss rate: 1.06%
```

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

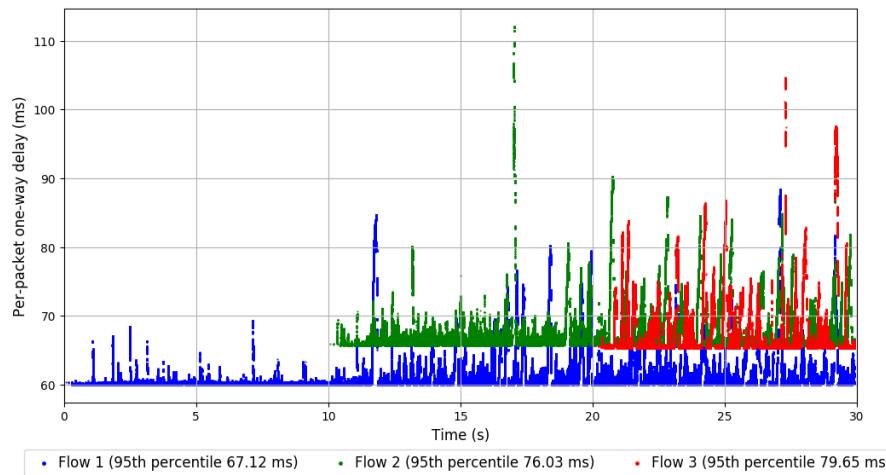
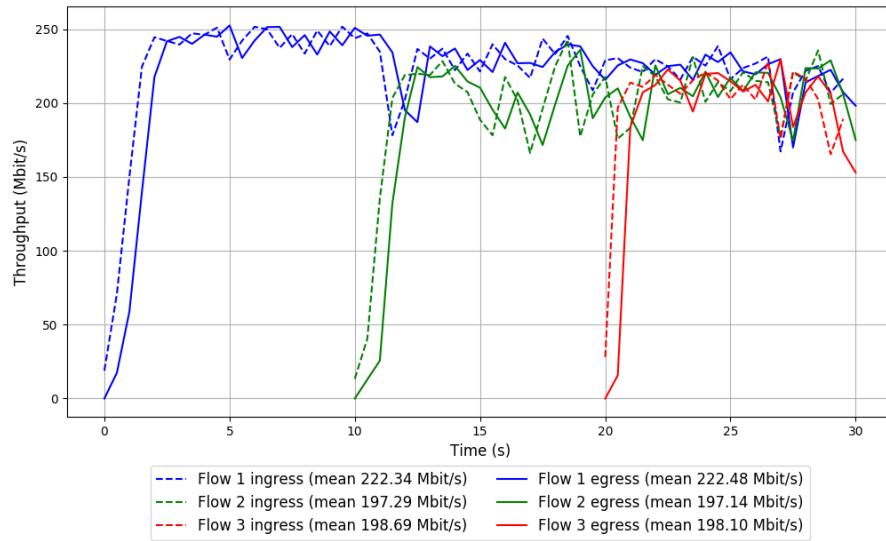


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-12 16:03:55
End at: 2019-07-12 16:04:25
Local clock offset: 0.04 ms
Remote clock offset: -0.346 ms

# Below is generated by plot.py at 2019-07-12 20:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.65 Mbit/s
95th percentile per-packet one-way delay: 73.528 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 222.48 Mbit/s
95th percentile per-packet one-way delay: 67.119 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 197.14 Mbit/s
95th percentile per-packet one-way delay: 76.028 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 198.10 Mbit/s
95th percentile per-packet one-way delay: 79.648 ms
Loss rate: 1.59%
```

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

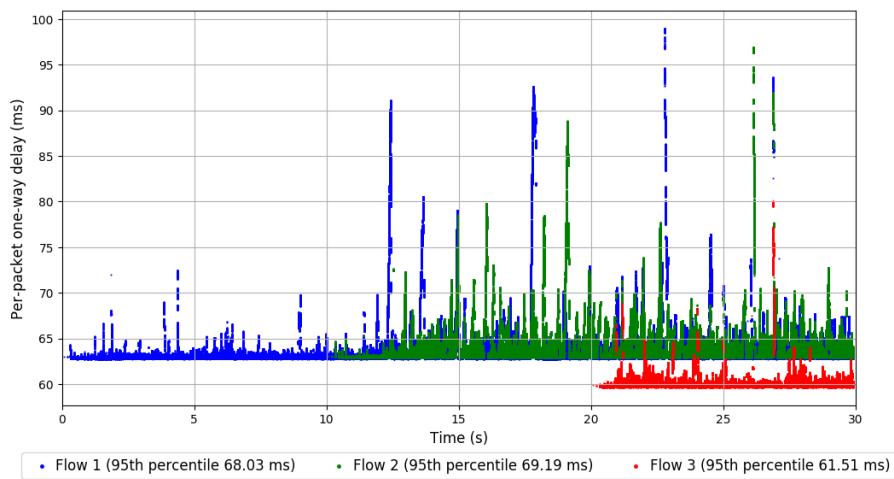
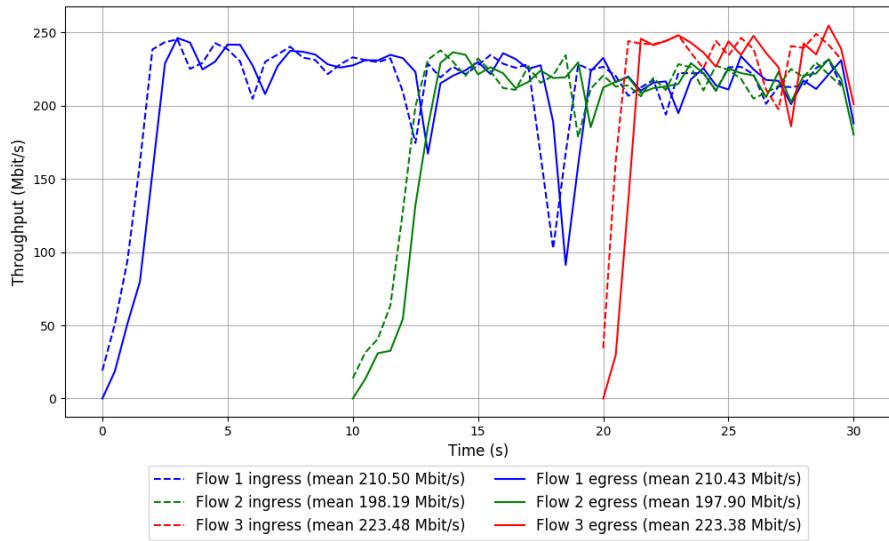


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-12 16:45:19
End at: 2019-07-12 16:45:49
Local clock offset: -0.069 ms
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2019-07-12 20:18:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.61 Mbit/s
95th percentile per-packet one-way delay: 68.036 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 210.43 Mbit/s
95th percentile per-packet one-way delay: 68.030 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 197.90 Mbit/s
95th percentile per-packet one-way delay: 69.185 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 223.38 Mbit/s
95th percentile per-packet one-way delay: 61.509 ms
Loss rate: 1.29%
```

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

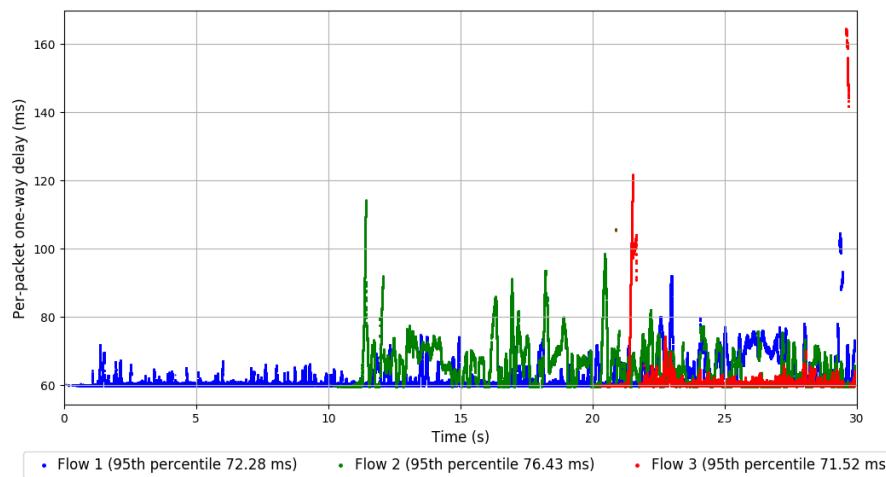
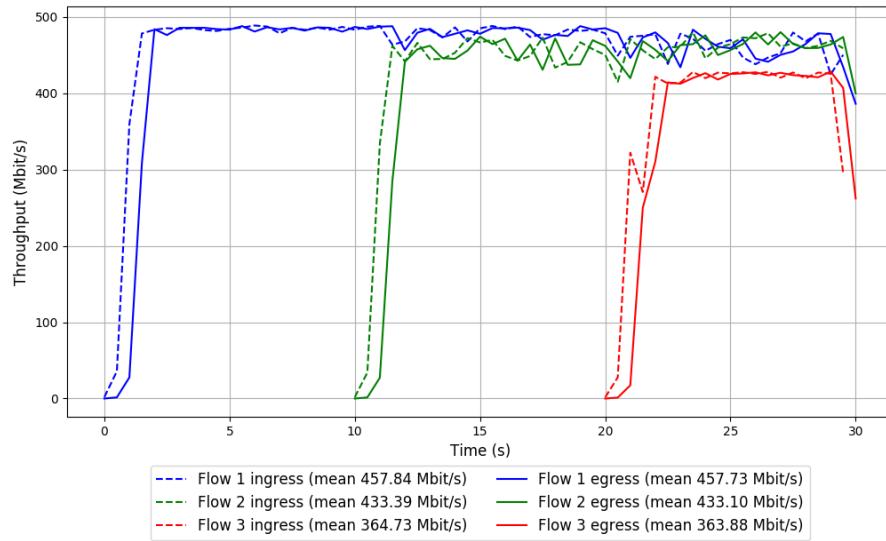


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-12 14:23:51
End at: 2019-07-12 14:24:21
Local clock offset: 0.009 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-12 20:19:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 865.61 Mbit/s
95th percentile per-packet one-way delay: 73.811 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 457.73 Mbit/s
95th percentile per-packet one-way delay: 72.276 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 433.10 Mbit/s
95th percentile per-packet one-way delay: 76.429 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 363.88 Mbit/s
95th percentile per-packet one-way delay: 71.524 ms
Loss rate: 1.42%
```

Run 1: Report of TCP Vegas — Data Link

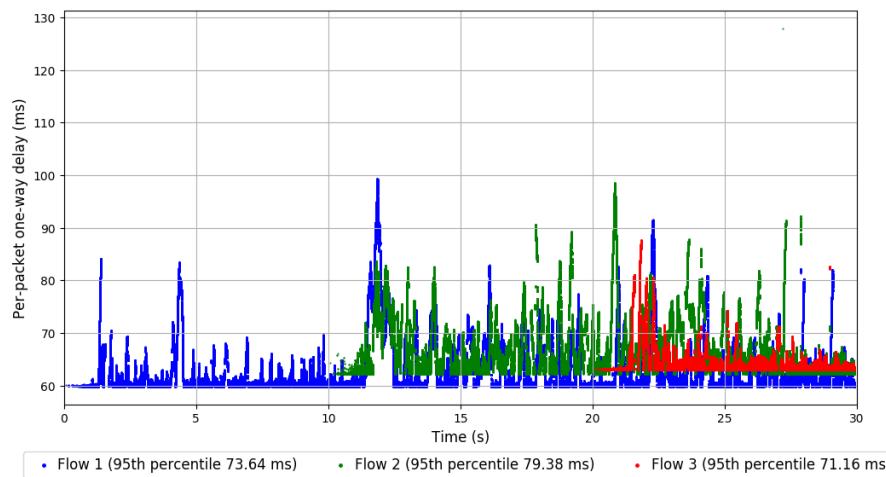
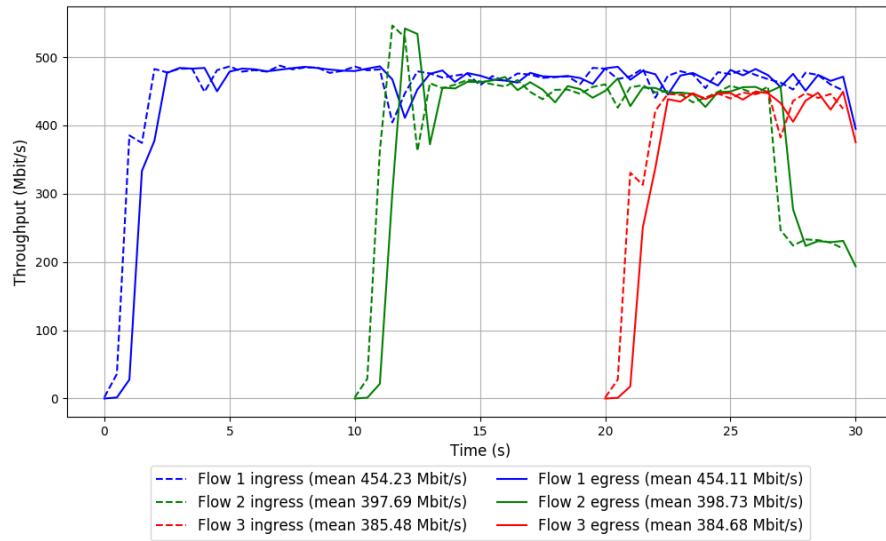


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-12 15:04:44
End at: 2019-07-12 15:05:14
Local clock offset: -0.016 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2019-07-12 20:27:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 845.80 Mbit/s
95th percentile per-packet one-way delay: 76.172 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 454.11 Mbit/s
95th percentile per-packet one-way delay: 73.639 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 398.73 Mbit/s
95th percentile per-packet one-way delay: 79.381 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 384.68 Mbit/s
95th percentile per-packet one-way delay: 71.163 ms
Loss rate: 1.45%
```

Run 2: Report of TCP Vegas — Data Link

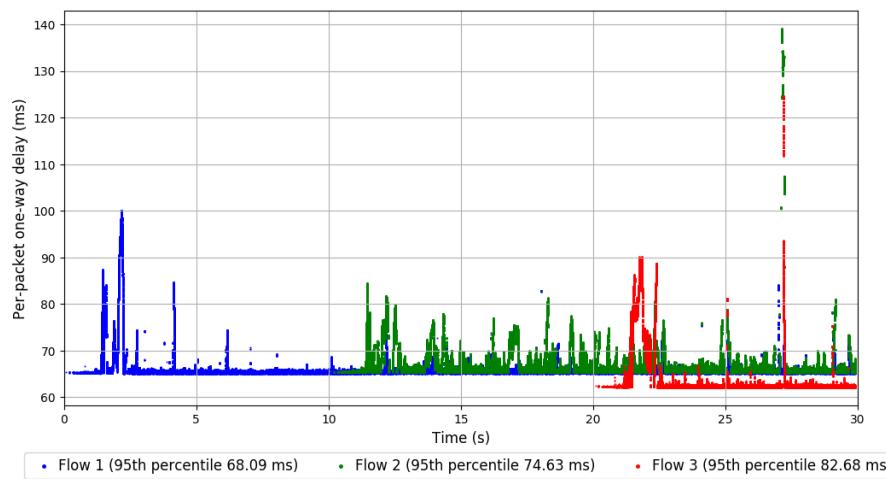
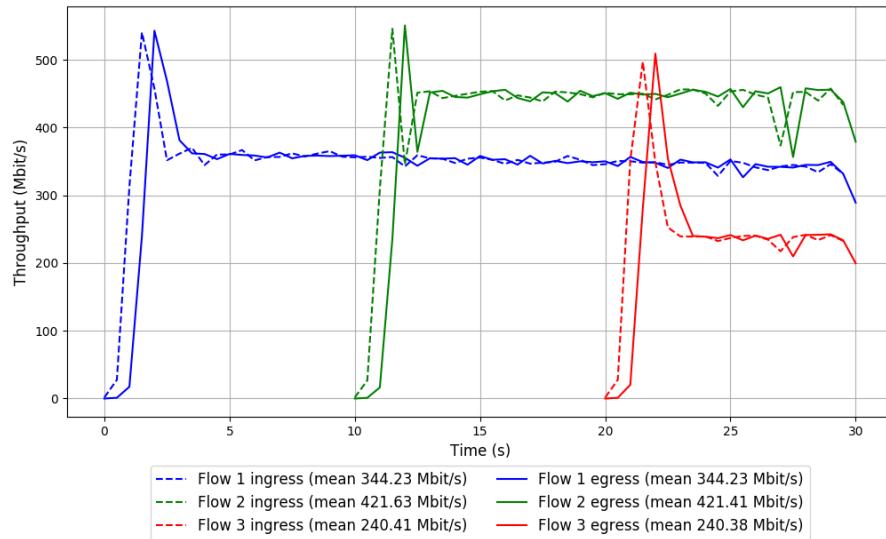


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-12 15:46:08
End at: 2019-07-12 15:46:38
Local clock offset: 0.037 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2019-07-12 20:27:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.50 Mbit/s
95th percentile per-packet one-way delay: 73.617 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 344.23 Mbit/s
95th percentile per-packet one-way delay: 68.090 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 421.41 Mbit/s
95th percentile per-packet one-way delay: 74.631 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 240.38 Mbit/s
95th percentile per-packet one-way delay: 82.679 ms
Loss rate: 1.24%
```

Run 3: Report of TCP Vegas — Data Link

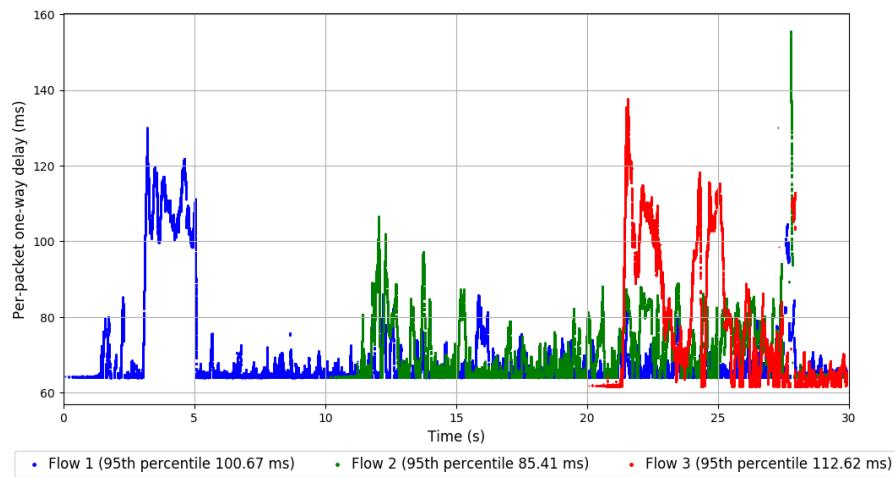
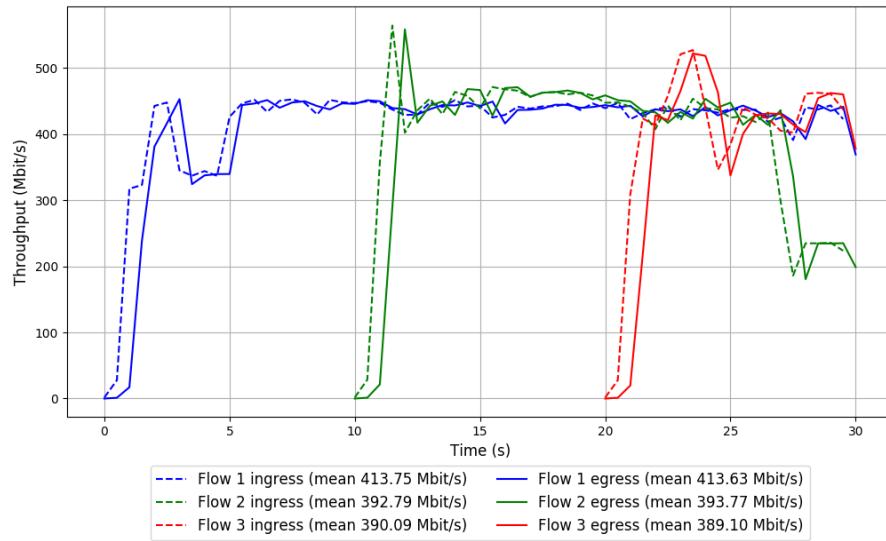


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-12 16:27:31
End at: 2019-07-12 16:28:01
Local clock offset: -0.076 ms
Remote clock offset: -1.42 ms

# Below is generated by plot.py at 2019-07-12 20:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.57 Mbit/s
95th percentile per-packet one-way delay: 103.278 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 413.63 Mbit/s
95th percentile per-packet one-way delay: 100.668 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 393.77 Mbit/s
95th percentile per-packet one-way delay: 85.410 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 389.10 Mbit/s
95th percentile per-packet one-way delay: 112.617 ms
Loss rate: 1.49%
```

Run 4: Report of TCP Vegas — Data Link

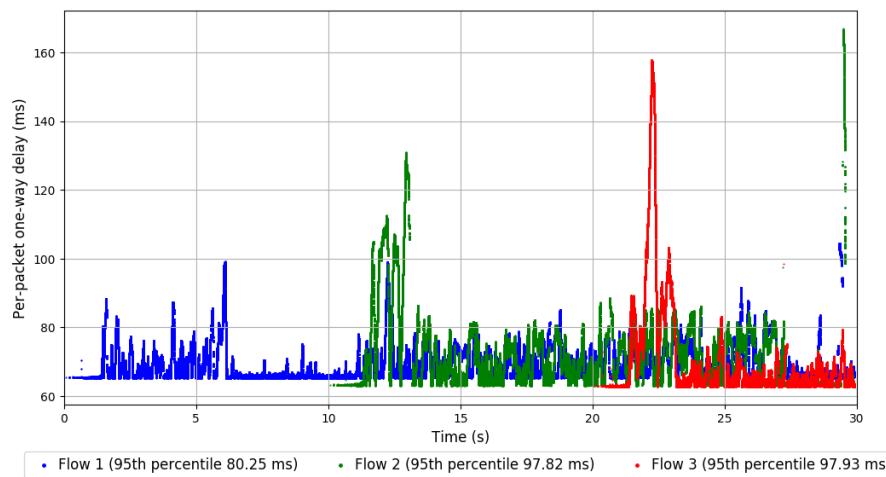
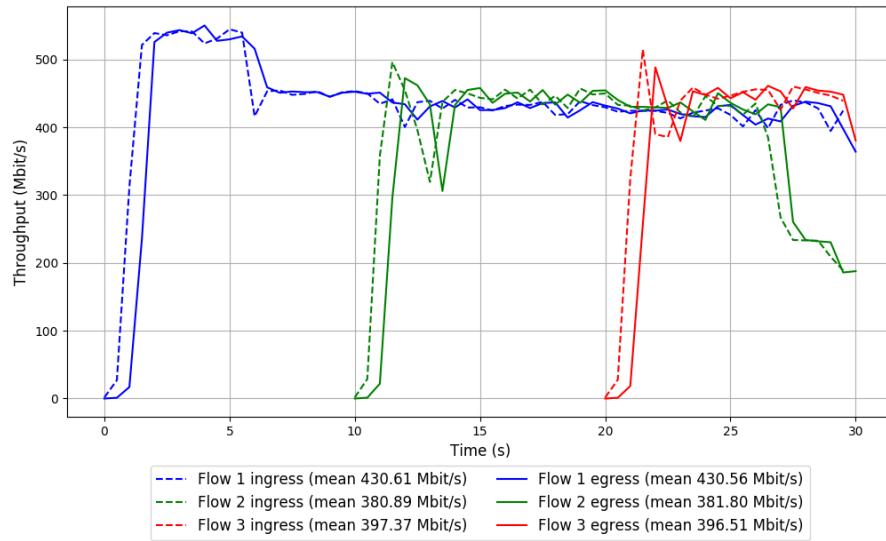


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-12 17:08:47
End at: 2019-07-12 17:09:17
Local clock offset: 0.015 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2019-07-12 20:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 815.10 Mbit/s
95th percentile per-packet one-way delay: 84.838 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 430.56 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 381.80 Mbit/s
95th percentile per-packet one-way delay: 97.817 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 396.51 Mbit/s
95th percentile per-packet one-way delay: 97.927 ms
Loss rate: 1.47%
```

Run 5: Report of TCP Vegas — Data Link

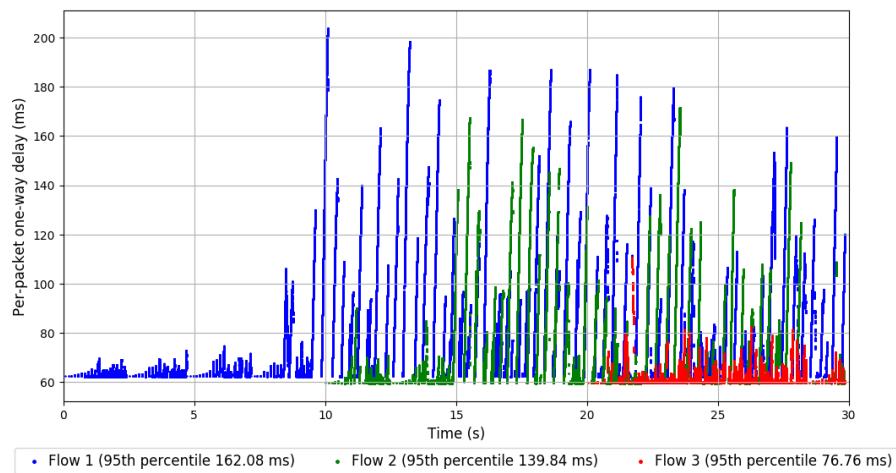
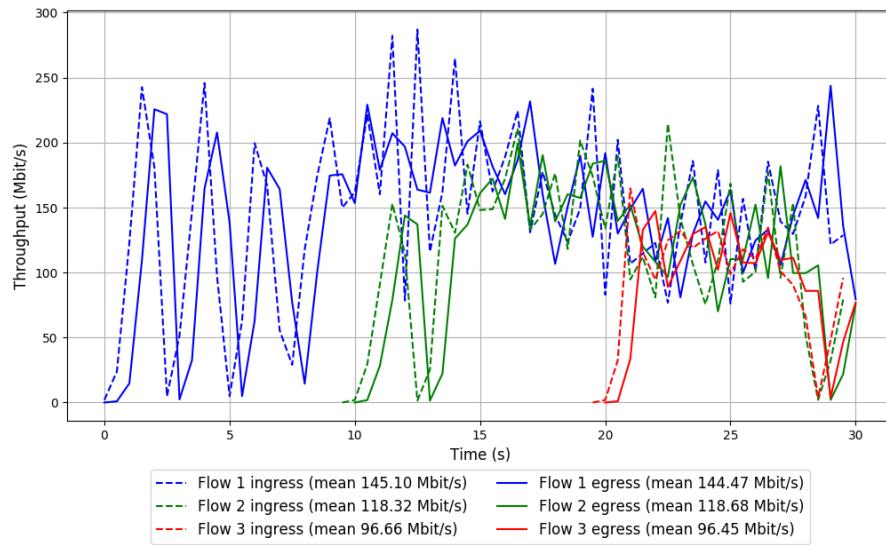


Run 1: Statistics of Verus

```
Start at: 2019-07-12 14:11:50
End at: 2019-07-12 14:12:20
Local clock offset: -0.009 ms
Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2019-07-12 20:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.26 Mbit/s
95th percentile per-packet one-way delay: 150.265 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 144.47 Mbit/s
95th percentile per-packet one-way delay: 162.081 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 118.68 Mbit/s
95th percentile per-packet one-way delay: 139.837 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 76.756 ms
Loss rate: 1.06%
```

Run 1: Report of Verus — Data Link

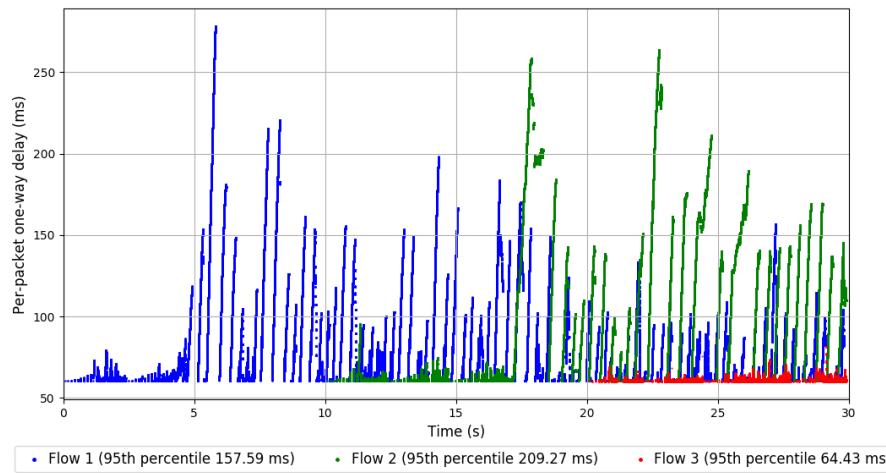
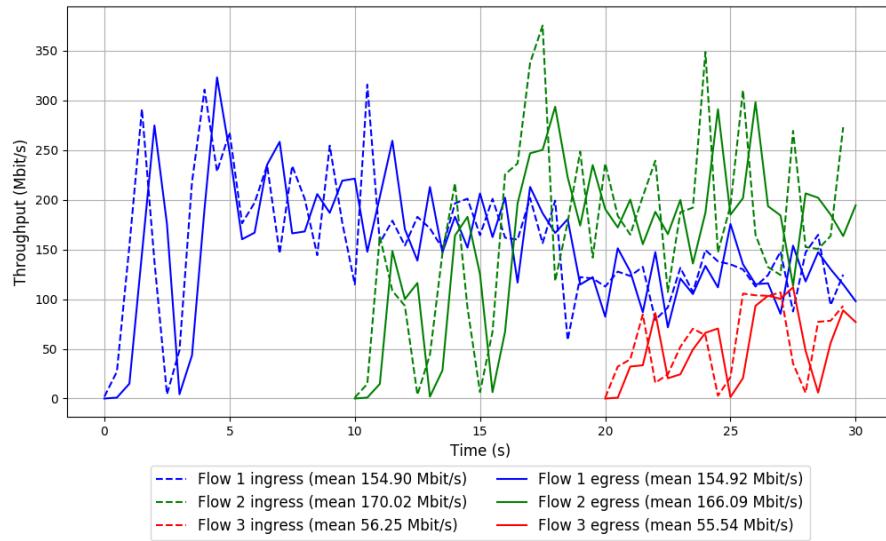


Run 2: Statistics of Verus

```
Start at: 2019-07-12 14:52:42
End at: 2019-07-12 14:53:12
Local clock offset: -0.059 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2019-07-12 20:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.07 Mbit/s
95th percentile per-packet one-way delay: 190.350 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 154.92 Mbit/s
95th percentile per-packet one-way delay: 157.588 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 166.09 Mbit/s
95th percentile per-packet one-way delay: 209.270 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 64.430 ms
Loss rate: 2.43%
```

Run 2: Report of Verus — Data Link

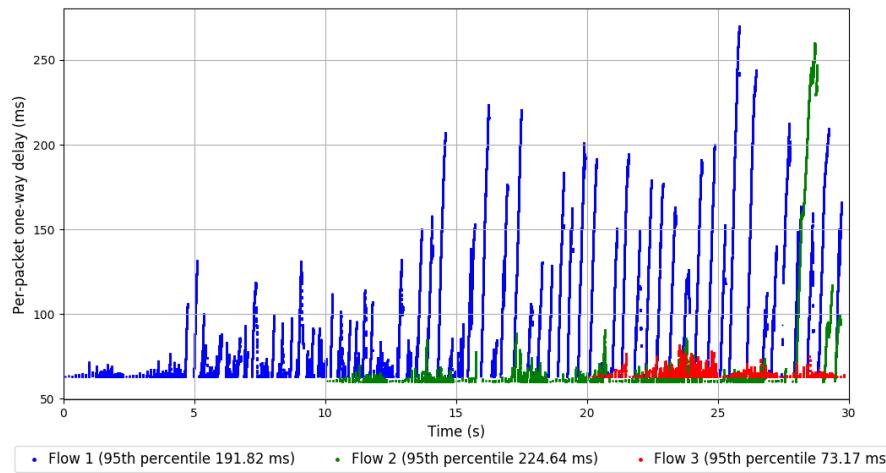
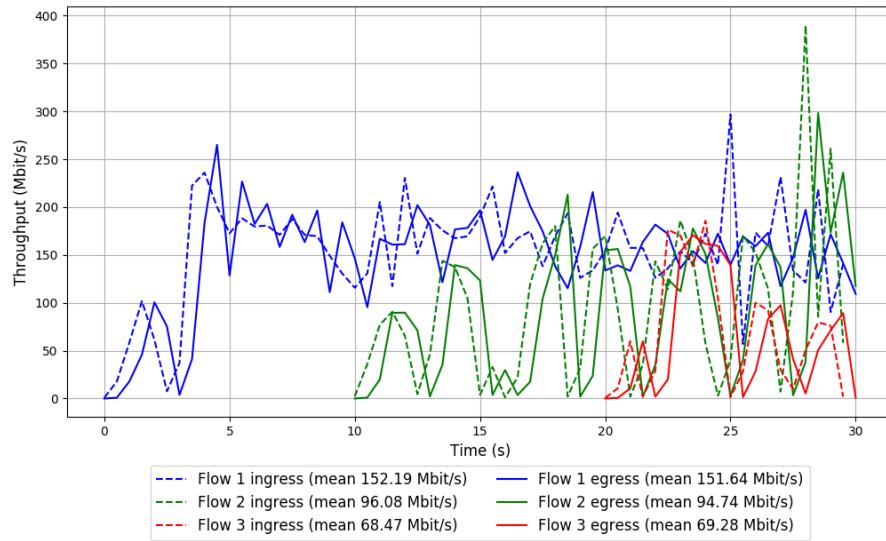


Run 3: Statistics of Verus

```
Start at: 2019-07-12 15:34:02
End at: 2019-07-12 15:34:32
Local clock offset: 0.016 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2019-07-12 20:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.41 Mbit/s
95th percentile per-packet one-way delay: 191.369 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 151.64 Mbit/s
95th percentile per-packet one-way delay: 191.825 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 224.639 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 73.174 ms
Loss rate: 0.07%
```

Run 3: Report of Verus — Data Link

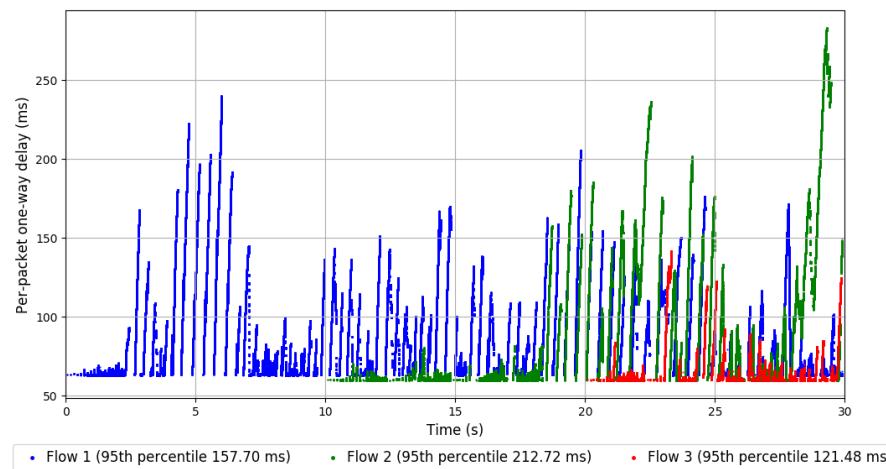
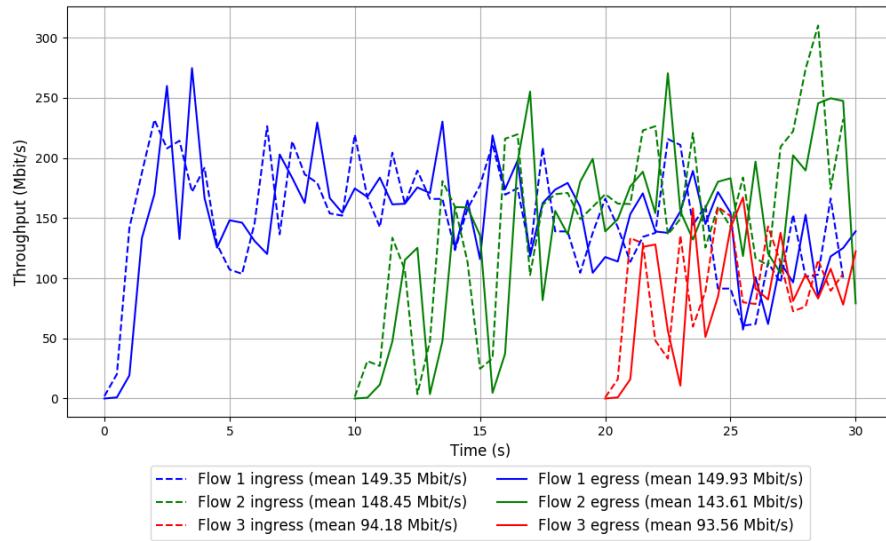


Run 4: Statistics of Verus

```
Start at: 2019-07-12 16:15:24
End at: 2019-07-12 16:15:54
Local clock offset: 0.027 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2019-07-12 20:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 275.99 Mbit/s
95th percentile per-packet one-way delay: 171.511 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 149.93 Mbit/s
95th percentile per-packet one-way delay: 157.703 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 143.61 Mbit/s
95th percentile per-packet one-way delay: 212.716 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 121.479 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

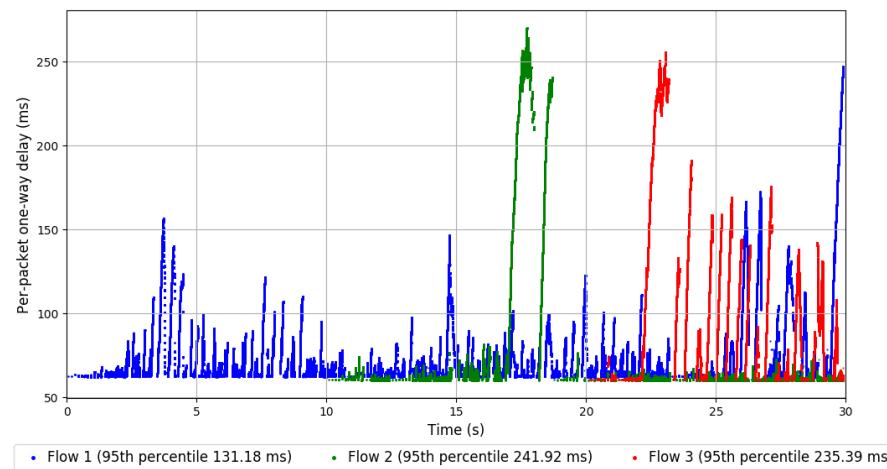
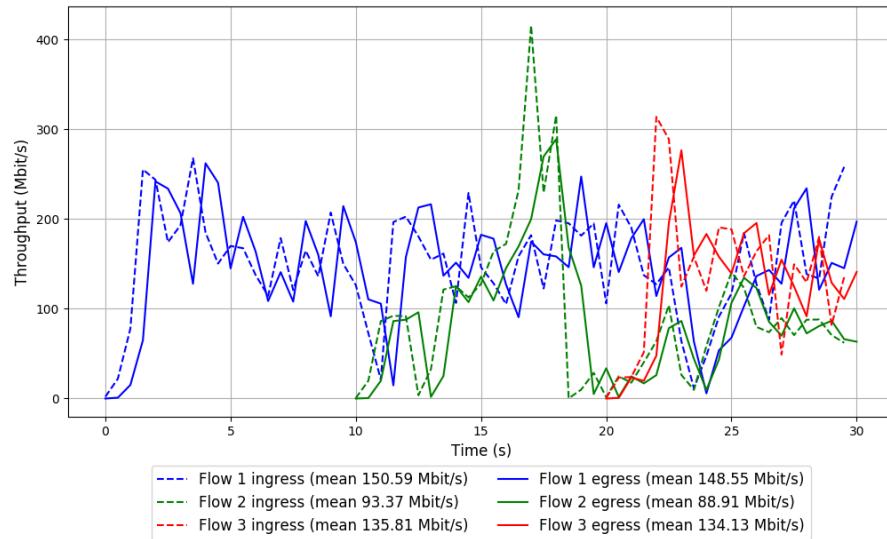


Run 5: Statistics of Verus

```
Start at: 2019-07-12 16:56:48
End at: 2019-07-12 16:57:18
Local clock offset: 0.022 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2019-07-12 20:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 251.58 Mbit/s
95th percentile per-packet one-way delay: 221.883 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 148.55 Mbit/s
95th percentile per-packet one-way delay: 131.179 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 241.920 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 134.13 Mbit/s
95th percentile per-packet one-way delay: 235.392 ms
Loss rate: 2.35%
```

Run 5: Report of Verus — Data Link

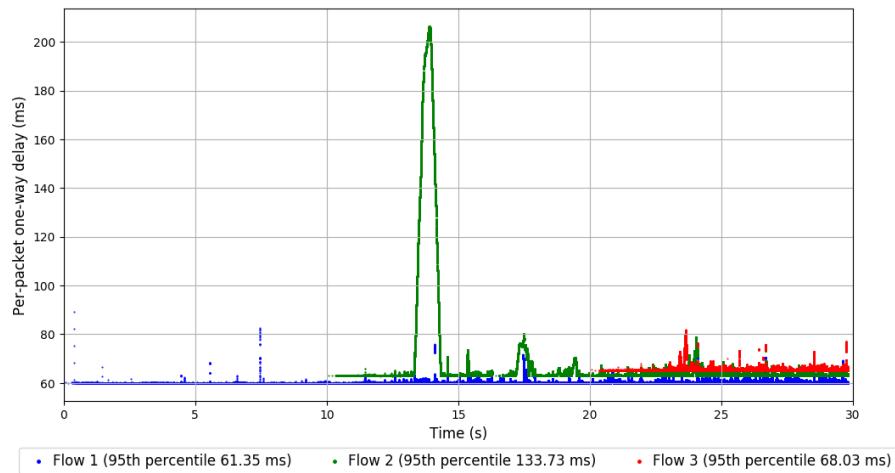
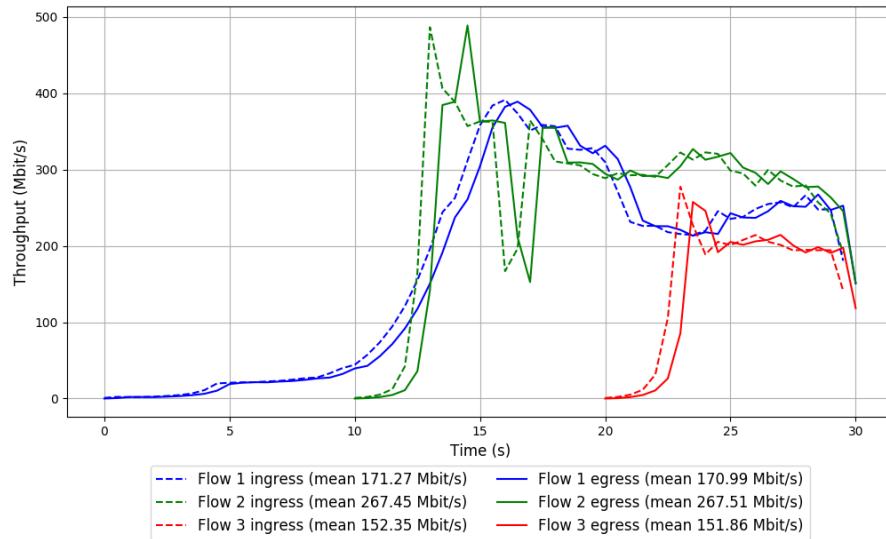


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-12 14:04:11
End at: 2019-07-12 14:04:41
Local clock offset: -0.006 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-07-12 20:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.12 Mbit/s
95th percentile per-packet one-way delay: 71.855 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 170.99 Mbit/s
95th percentile per-packet one-way delay: 61.355 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 267.51 Mbit/s
95th percentile per-packet one-way delay: 133.733 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 151.86 Mbit/s
95th percentile per-packet one-way delay: 68.028 ms
Loss rate: 1.59%
```

Run 1: Report of PCC-Vivace — Data Link

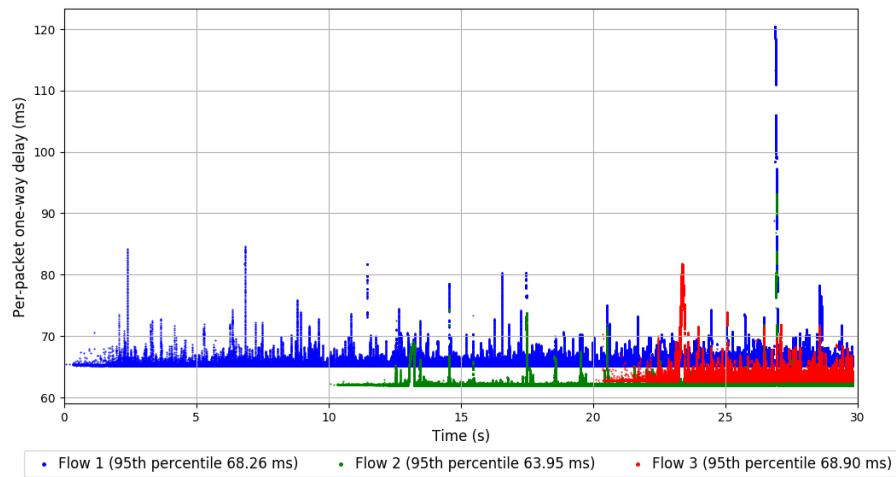
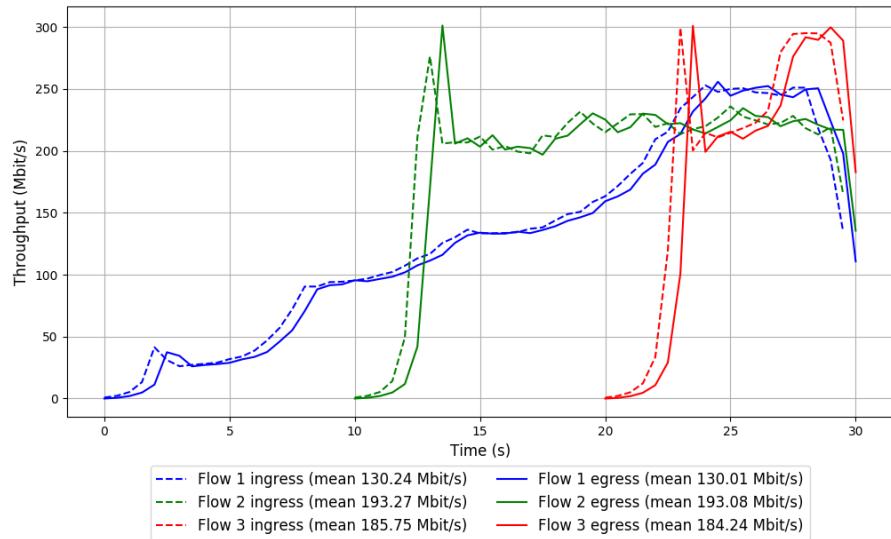


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-12 14:45:09
End at: 2019-07-12 14:45:39
Local clock offset: -0.065 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2019-07-12 20:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.41 Mbit/s
95th percentile per-packet one-way delay: 67.552 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 130.01 Mbit/s
95th percentile per-packet one-way delay: 68.264 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 193.08 Mbit/s
95th percentile per-packet one-way delay: 63.955 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 184.24 Mbit/s
95th percentile per-packet one-way delay: 68.904 ms
Loss rate: 2.06%
```

Run 2: Report of PCC-Vivace — Data Link

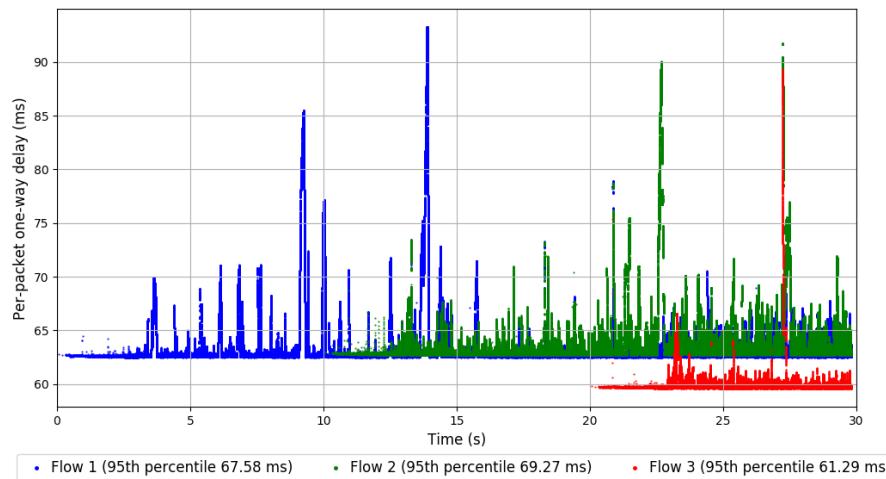
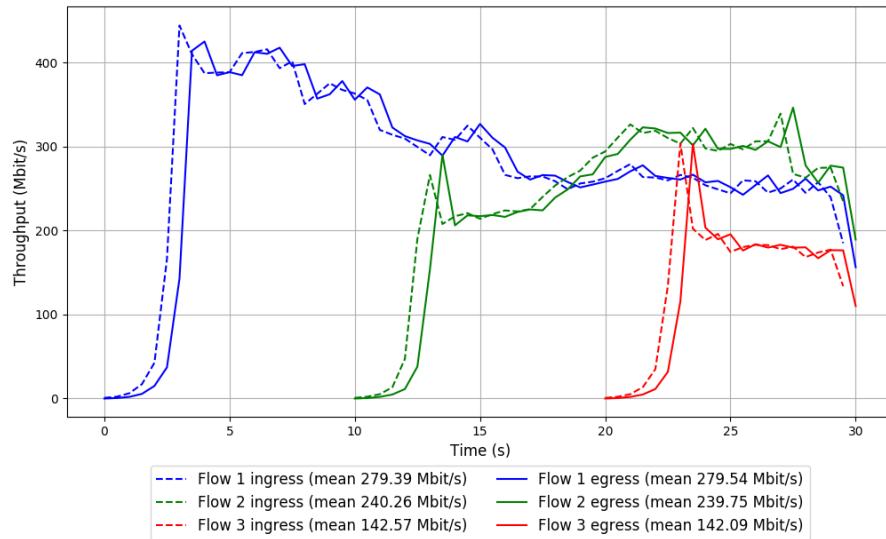


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-12 15:26:14
End at: 2019-07-12 15:26:44
Local clock offset: -0.022 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2019-07-12 20:35:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 485.18 Mbit/s
95th percentile per-packet one-way delay: 67.820 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 279.54 Mbit/s
95th percentile per-packet one-way delay: 67.582 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 239.75 Mbit/s
95th percentile per-packet one-way delay: 69.269 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 142.09 Mbit/s
95th percentile per-packet one-way delay: 61.291 ms
Loss rate: 1.55%
```

Run 3: Report of PCC-Vivace — Data Link

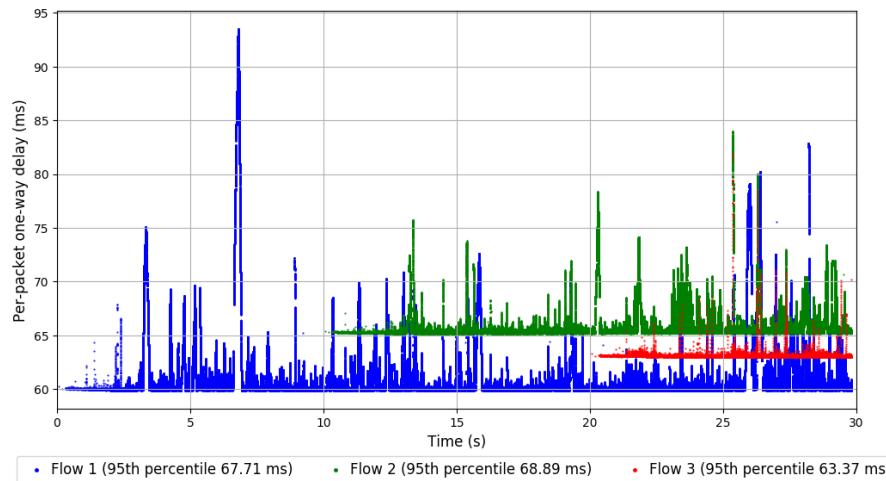
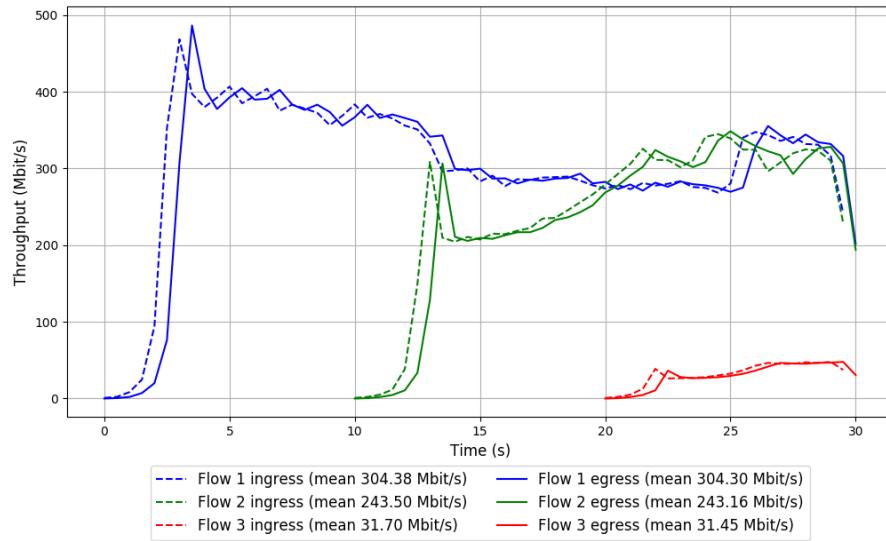


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-12 16:07:36
End at: 2019-07-12 16:08:06
Local clock offset: 0.053 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2019-07-12 20:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.81 Mbit/s
95th percentile per-packet one-way delay: 68.354 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 304.30 Mbit/s
95th percentile per-packet one-way delay: 67.713 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 243.16 Mbit/s
95th percentile per-packet one-way delay: 68.885 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 63.367 ms
Loss rate: 2.00%
```

Run 4: Report of PCC-Vivace — Data Link

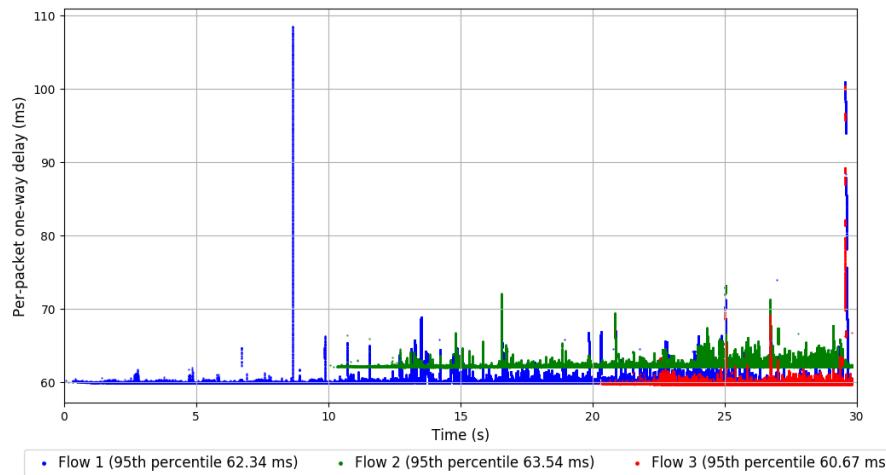
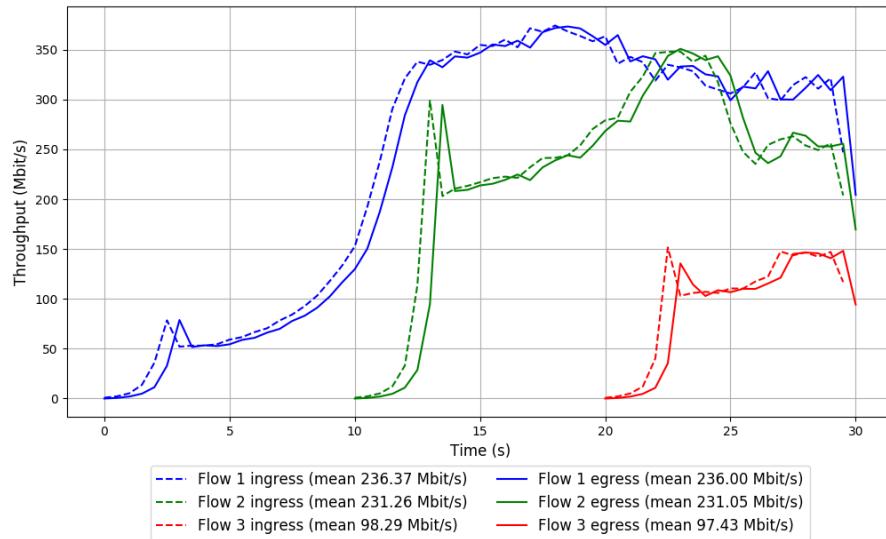


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-12 16:49:03
End at: 2019-07-12 16:49:33
Local clock offset: -0.05 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.17 Mbit/s
95th percentile per-packet one-way delay: 63.065 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 236.00 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 231.05 Mbit/s
95th percentile per-packet one-way delay: 63.539 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 60.668 ms
Loss rate: 2.05%
```

Run 5: Report of PCC-Vivace — Data Link

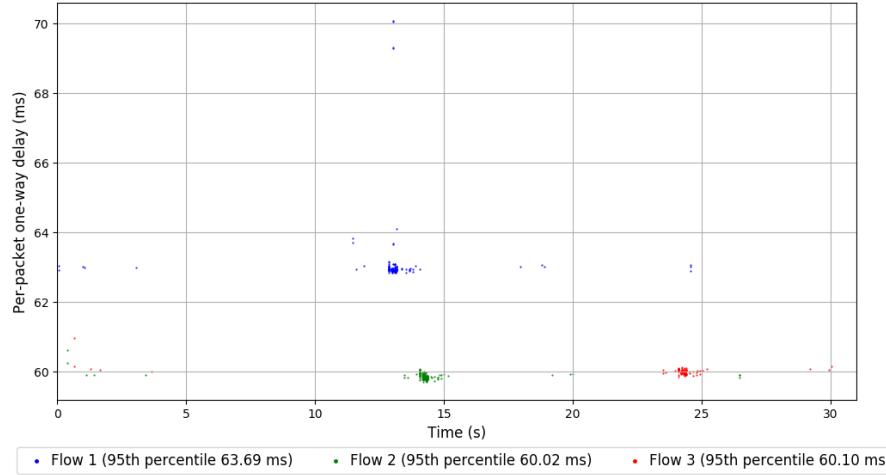
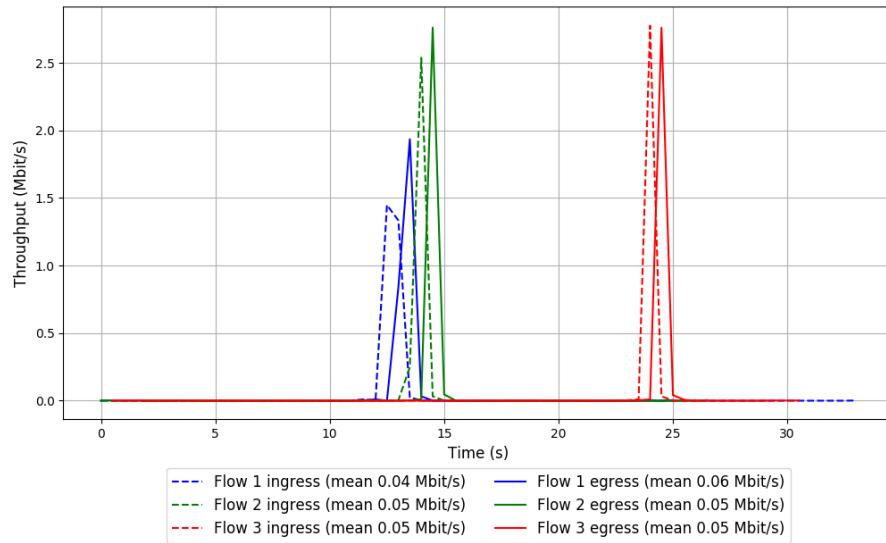


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-12 14:07:36
End at: 2019-07-12 14:08:06
Local clock offset: 0.016 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.022 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.098 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

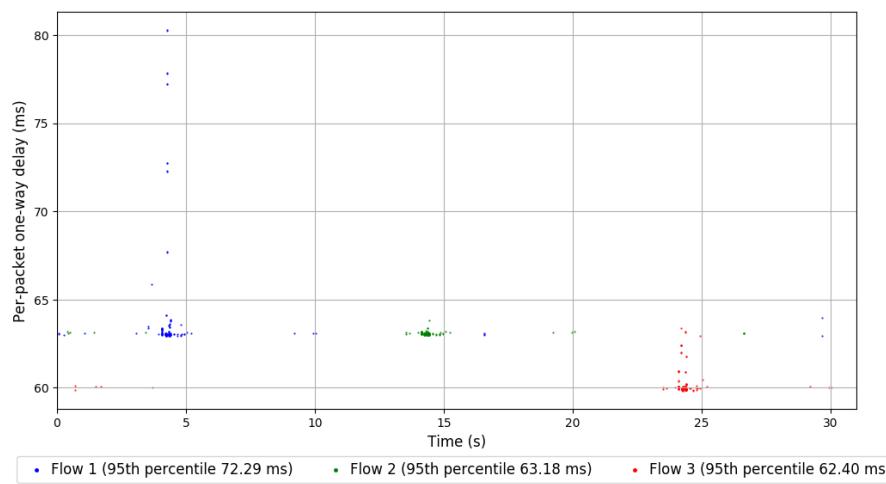
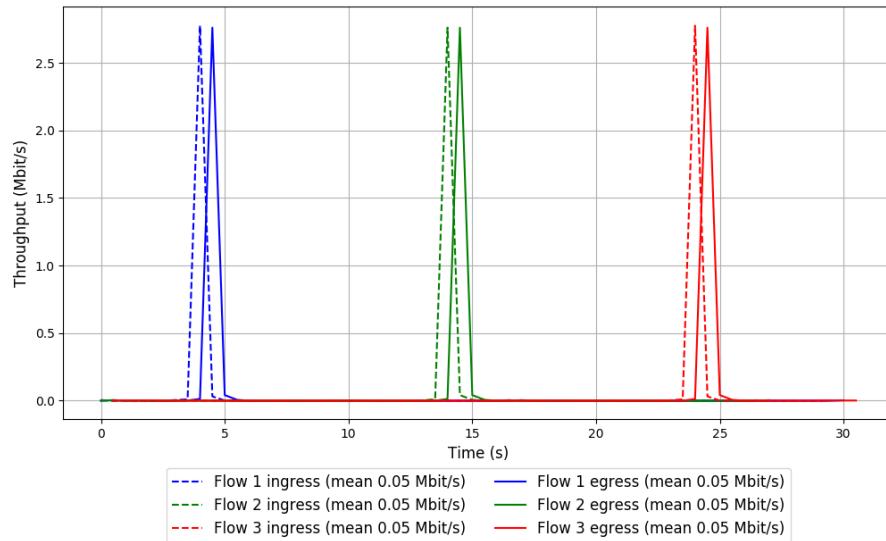


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-12 14:48:29
End at: 2019-07-12 14:48:59
Local clock offset: -0.067 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.395 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

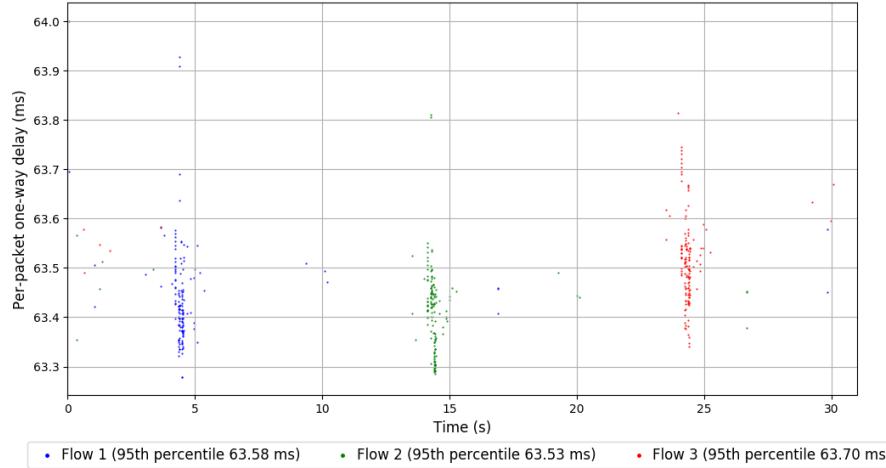
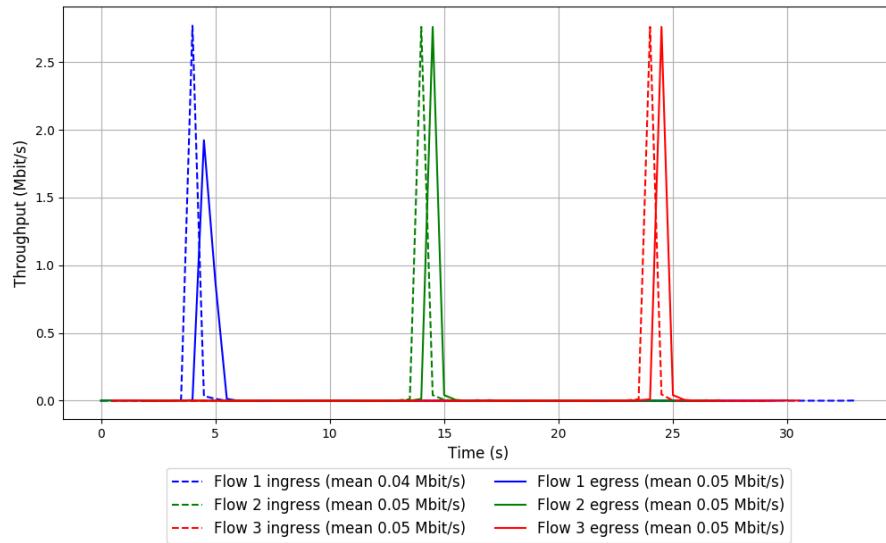


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-12 15:29:48
End at: 2019-07-12 15:30:18
Local clock offset: -0.009 ms
Remote clock offset: -0.537 ms

# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.637 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.577 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.696 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

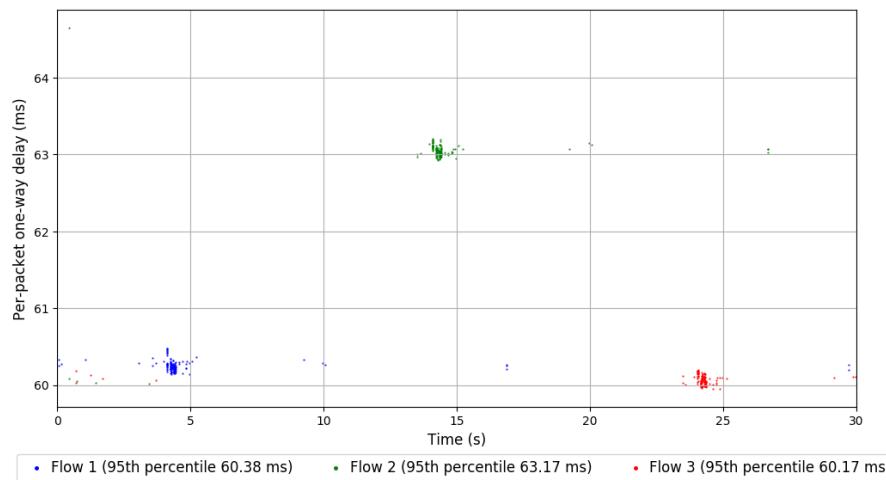
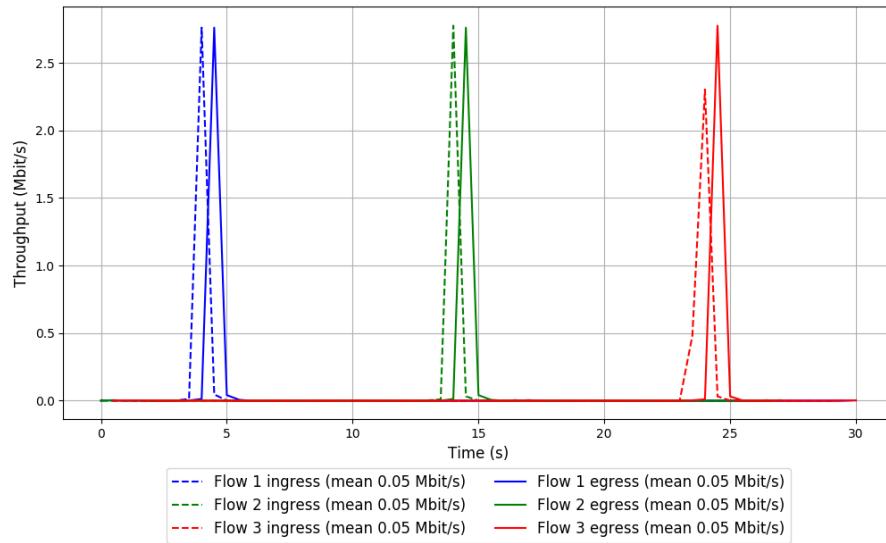


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-12 16:11:10
End at: 2019-07-12 16:11:40
Local clock offset: 0.048 ms
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.383 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.175 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-07-12 16:52:33
End at: 2019-07-12 16:53:03
Local clock offset: -0.025 ms
Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2019-07-12 20:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 65.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.943 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.444 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

