

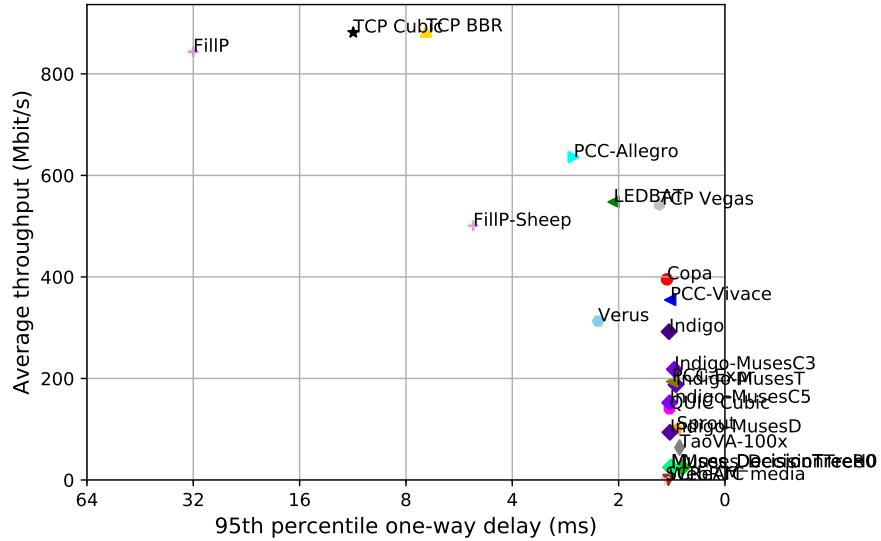
Pantheon Report

Generated at 2019-07-18 14:38:05 (UTC).
Data path: Stanford on `eno1` (*remote*) → AWS California 1 on `ens5` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

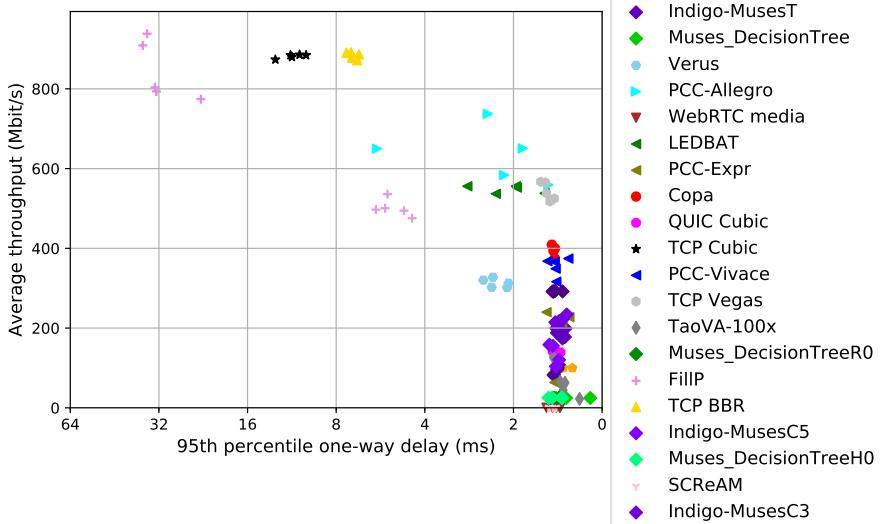
```
System info:  
Linux 4.15.0-1043-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec  
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966  
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

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

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



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



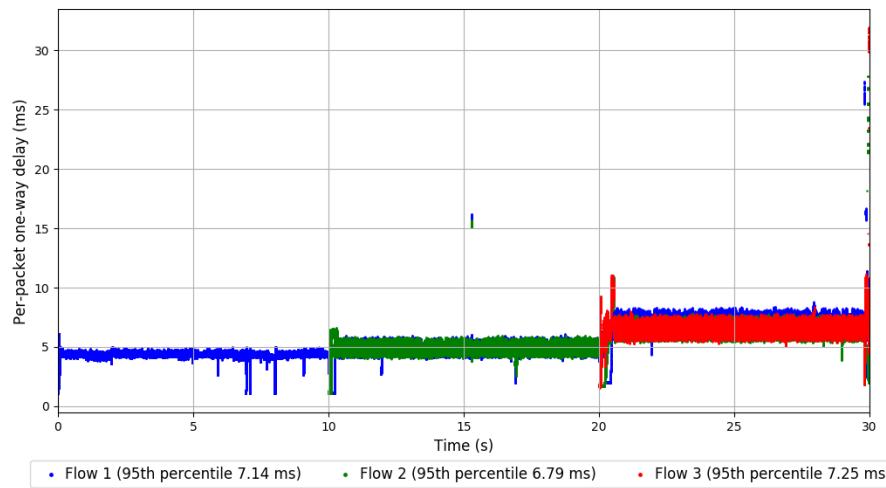
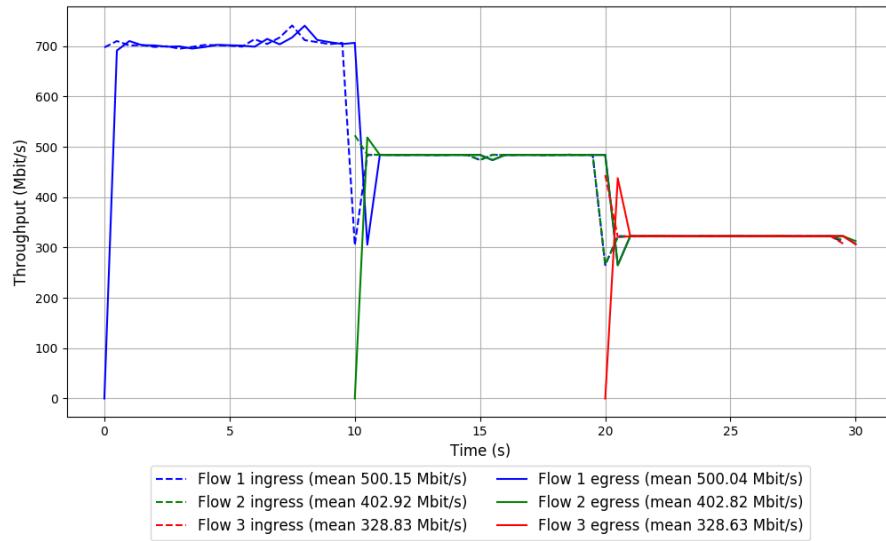
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	505.35	403.79	328.79	7.05	6.65	6.73	0.02	0.03	0.07
Copa	5	242.81	180.94	96.62	1.13	1.03	1.02	0.00	0.01	0.02
TCP Cubic	5	505.96	403.57	321.16	11.95	7.82	7.75	0.03	0.03	0.08
FillP	5	488.25	424.35	221.26	25.50	34.80	25.21	0.07	0.11	0.16
FillP-Sheep	5	353.35	193.01	57.71	5.63	3.97	2.75	0.00	0.00	0.00
Indigo	5	154.70	144.11	126.57	1.00	1.10	1.13	0.00	0.01	0.02
Indigo-MusesC3	5	164.34	74.35	30.41	0.95	0.96	0.90	0.00	0.00	0.04
Indigo-MusesC5	5	108.40	55.46	35.34	1.02	1.04	0.87	0.01	0.00	0.03
Indigo-MusesD	5	60.96	40.62	28.98	1.03	1.03	1.04	0.00	0.02	0.03
Indigo-MusesT	5	140.18	61.75	35.85	0.92	0.95	0.85	0.00	0.01	0.02
LEDBAT	5	322.25	243.46	191.00	2.56	1.59	1.47	0.00	0.01	0.02
Muses_DecisionTree	5	12.61	12.61	12.00	0.80	0.77	0.73	0.00	0.01	0.01
Muses_DecisionTreeH0	5	12.61	13.18	12.51	1.01	1.01	1.00	0.00	0.01	0.01
Muses_DecisionTreeR0	5	12.88	12.52	12.00	1.01	1.01	1.02	0.01	0.00	0.02
PCC-Allegro	5	502.97	118.24	166.11	3.79	1.37	3.02	0.00	0.01	0.02
PCC-Expr	5	147.37	43.00	54.46	1.00	0.93	1.01	0.01	0.00	0.00
QUIC Cubic	5	76.20	68.18	56.65	1.04	1.05	1.05	0.00	0.01	0.01
SCReAM	5	0.22	0.22	0.22	1.12	1.11	1.12	0.00	0.00	0.14
Sprout	5	50.23	50.13	49.91	0.91	0.90	0.88	0.01	0.01	0.04
TaoVA-100x	5	29.32	25.81	52.90	0.87	0.87	0.81	0.00	0.01	0.01
TCP Vegas	5	287.49	249.60	266.91	1.20	1.31	1.47	0.00	0.01	0.02
Verus	5	185.47	139.27	104.52	2.44	1.81	1.66	0.00	0.01	0.01
PCC-Vivace	5	212.94	156.50	114.32	0.99	1.12	1.12	0.00	0.01	0.03
WebRTC media	5	0.05	0.05	0.05	1.05	1.25	1.11	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-18 10:45:01
End at: 2019-07-18 10:45:31
Local clock offset: -1.48 ms
Remote clock offset: 4.621 ms

# Below is generated by plot.py at 2019-07-18 13:46:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 877.65 Mbit/s
95th percentile per-packet one-way delay: 7.079 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 500.04 Mbit/s
95th percentile per-packet one-way delay: 7.136 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 402.82 Mbit/s
95th percentile per-packet one-way delay: 6.792 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 328.63 Mbit/s
95th percentile per-packet one-way delay: 7.254 ms
Loss rate: 0.08%
```

Run 1: Report of TCP BBR — Data Link

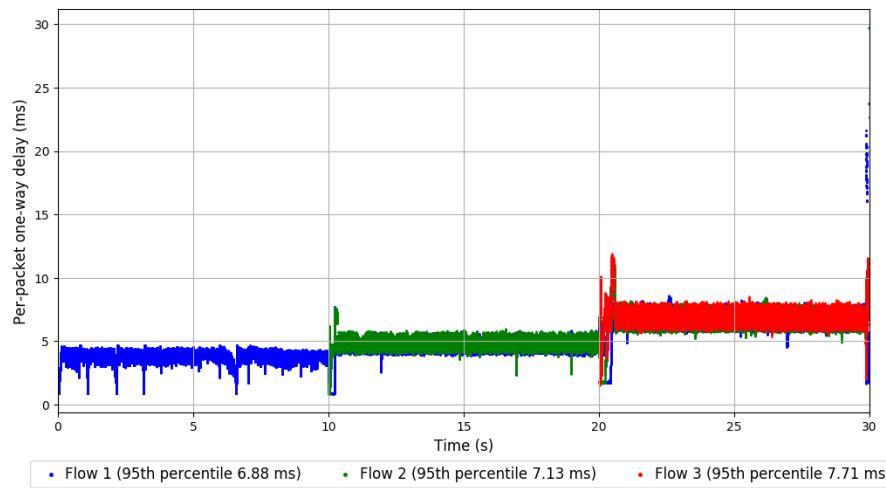
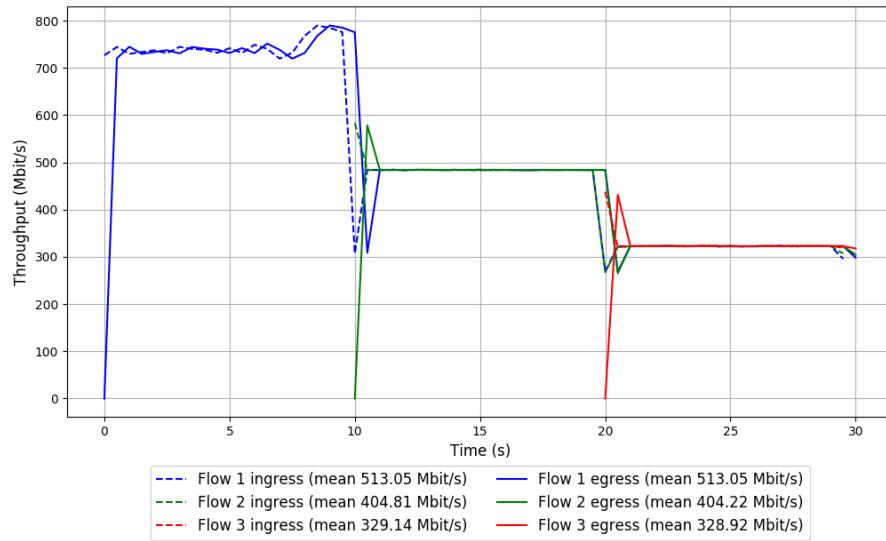


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-18 11:19:18
End at: 2019-07-18 11:19:48
Local clock offset: 5.195 ms
Remote clock offset: 4.486 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 891.66 Mbit/s
95th percentile per-packet one-way delay: 7.121 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 513.05 Mbit/s
95th percentile per-packet one-way delay: 6.876 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.22 Mbit/s
95th percentile per-packet one-way delay: 7.128 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 328.92 Mbit/s
95th percentile per-packet one-way delay: 7.712 ms
Loss rate: 0.09%
```

Run 2: Report of TCP BBR — Data Link

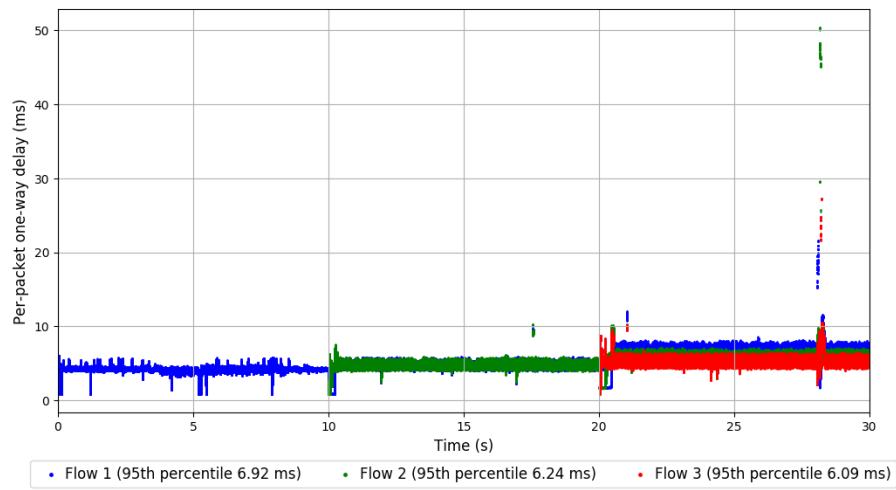
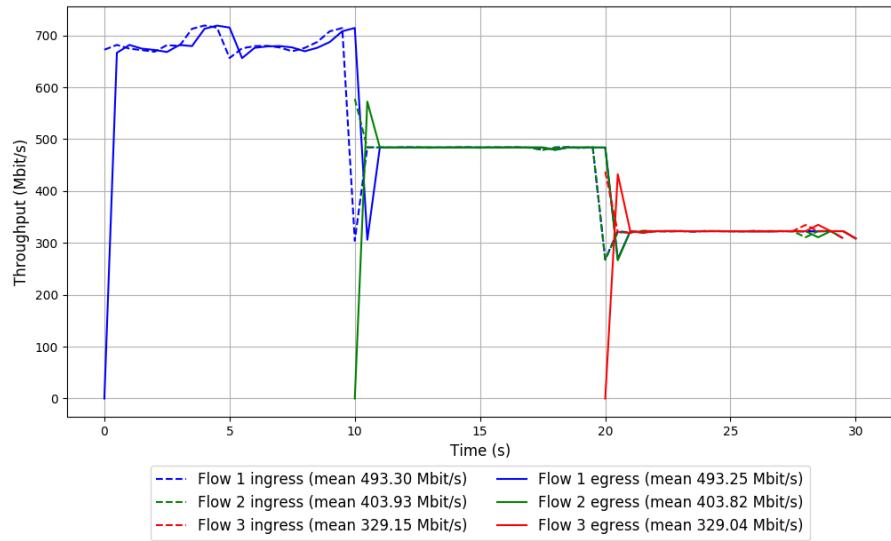


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-18 11:53:41
End at: 2019-07-18 11:54:11
Local clock offset: 4.454 ms
Remote clock offset: 3.516 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 871.66 Mbit/s
95th percentile per-packet one-way delay: 6.788 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 493.25 Mbit/s
95th percentile per-packet one-way delay: 6.919 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 403.82 Mbit/s
95th percentile per-packet one-way delay: 6.242 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 329.04 Mbit/s
95th percentile per-packet one-way delay: 6.095 ms
Loss rate: 0.06%
```

Run 3: Report of TCP BBR — Data Link

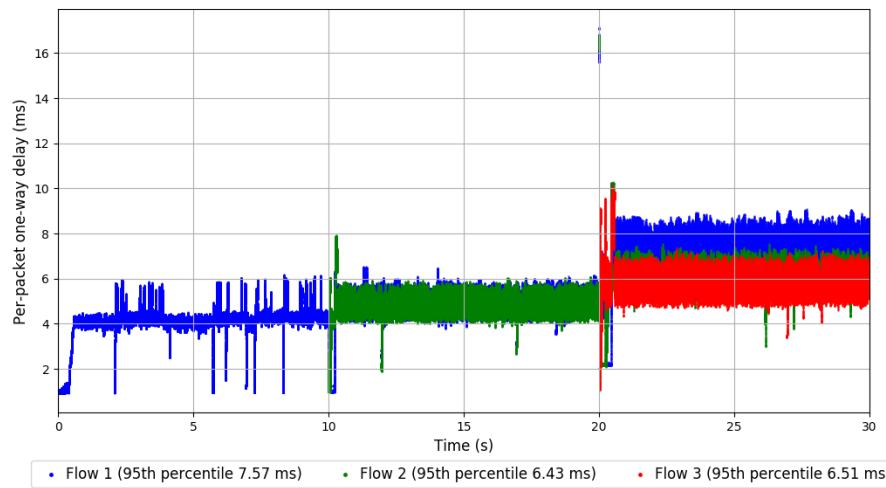
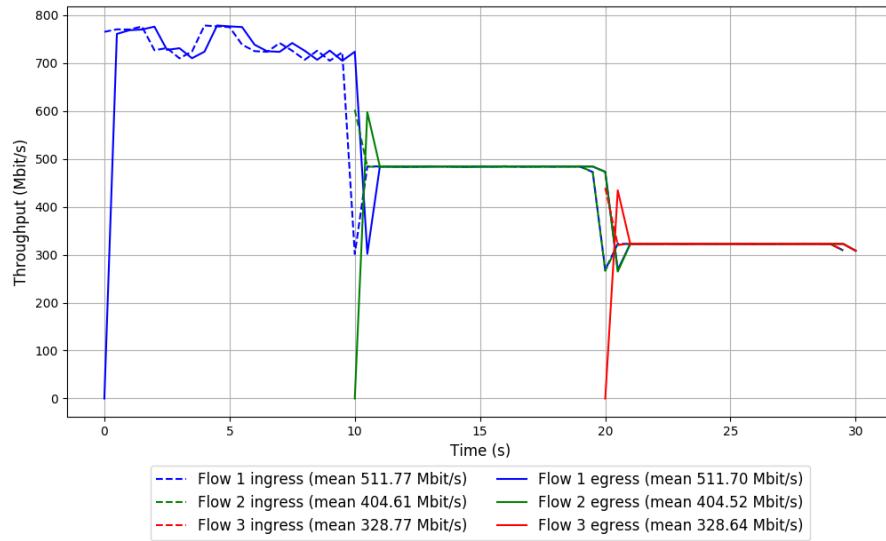


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-18 12:27:49
End at: 2019-07-18 12:28:19
Local clock offset: 2.777 ms
Remote clock offset: 3.224 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 890.50 Mbit/s
95th percentile per-packet one-way delay: 7.386 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 511.70 Mbit/s
95th percentile per-packet one-way delay: 7.565 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 404.52 Mbit/s
95th percentile per-packet one-way delay: 6.433 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.64 Mbit/s
95th percentile per-packet one-way delay: 6.506 ms
Loss rate: 0.07%
```

Run 4: Report of TCP BBR — Data Link

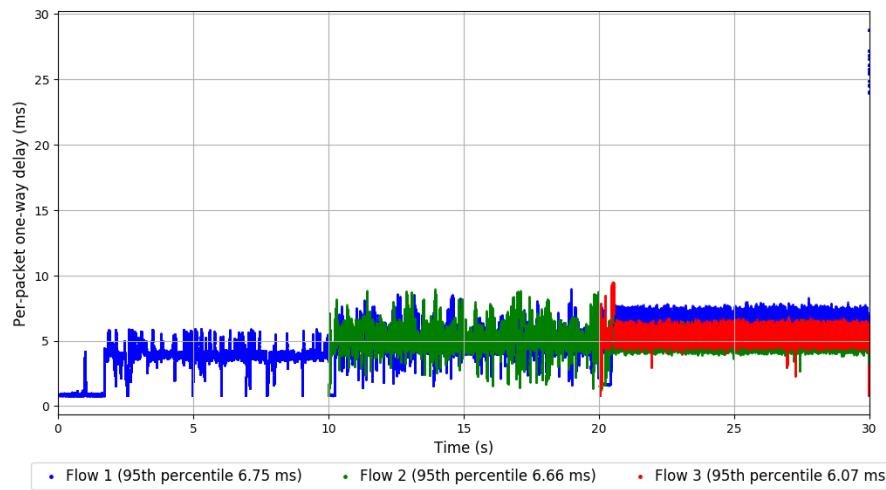
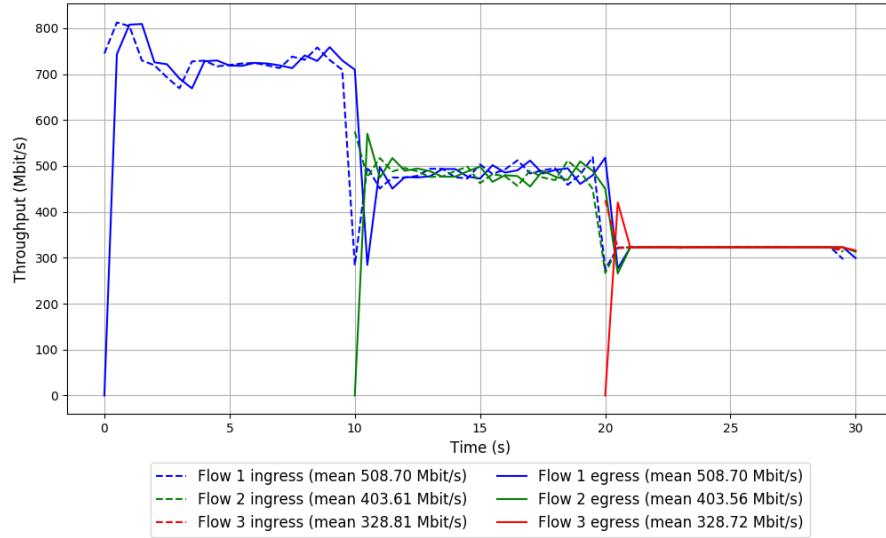


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-18 13:02:19
End at: 2019-07-18 13:02:49
Local clock offset: 0.352 ms
Remote clock offset: 3.331 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 886.72 Mbit/s
95th percentile per-packet one-way delay: 6.697 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 508.70 Mbit/s
95th percentile per-packet one-way delay: 6.753 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 403.56 Mbit/s
95th percentile per-packet one-way delay: 6.664 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 328.72 Mbit/s
95th percentile per-packet one-way delay: 6.066 ms
Loss rate: 0.05%
```

Run 5: Report of TCP BBR — Data Link

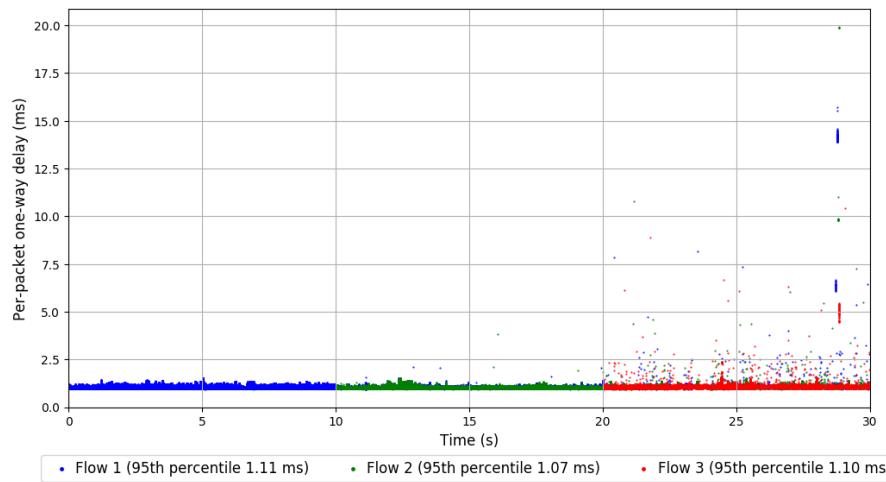
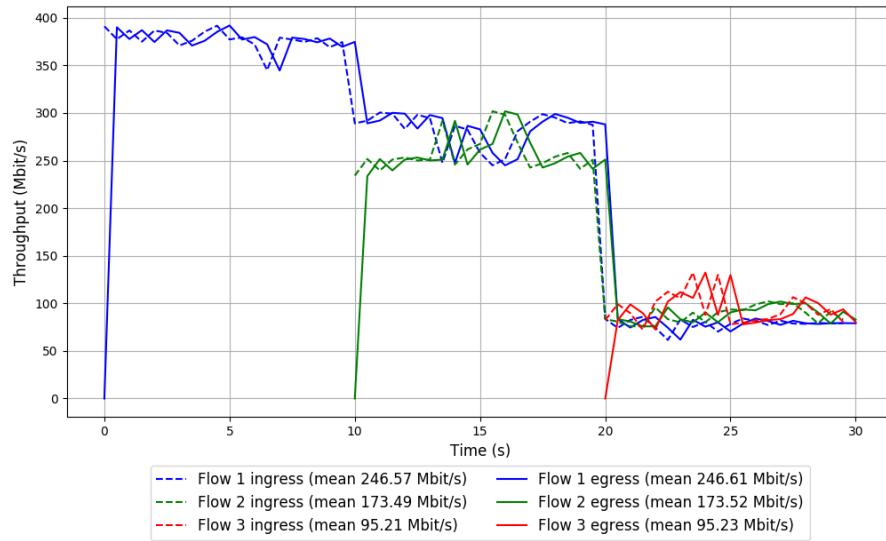


Run 1: Statistics of Copa

```
Start at: 2019-07-18 10:52:10
End at: 2019-07-18 10:52:40
Local clock offset: -2.2 ms
Remote clock offset: 4.869 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.71 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.61 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.52 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.02%
```

Run 1: Report of Copa — Data Link

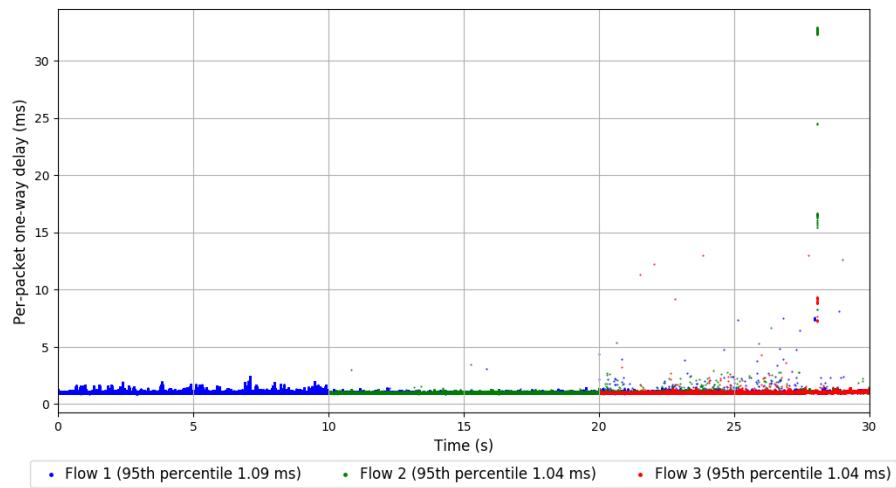
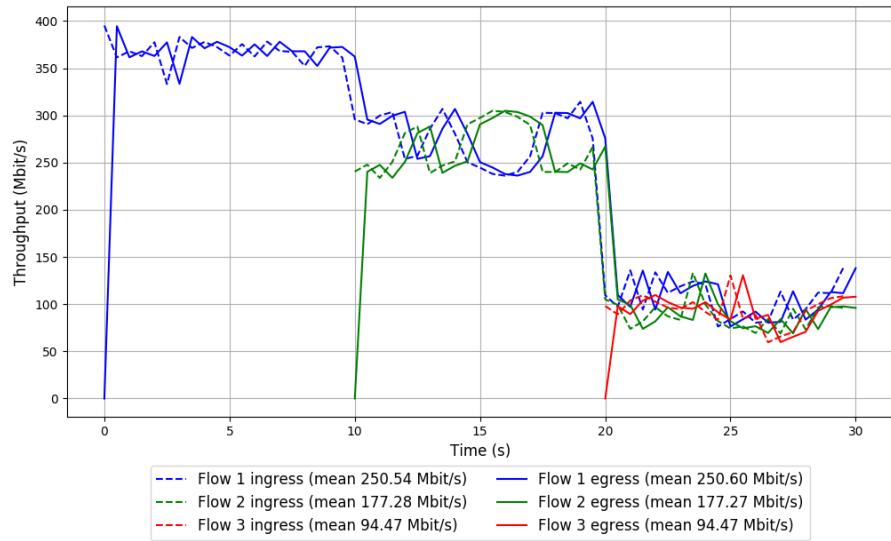


Run 2: Statistics of Copa

```
Start at: 2019-07-18 11:26:25
End at: 2019-07-18 11:26:55
Local clock offset: 5.418 ms
Remote clock offset: 4.737 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.89 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.27 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.04%
```

Run 2: Report of Copa — Data Link

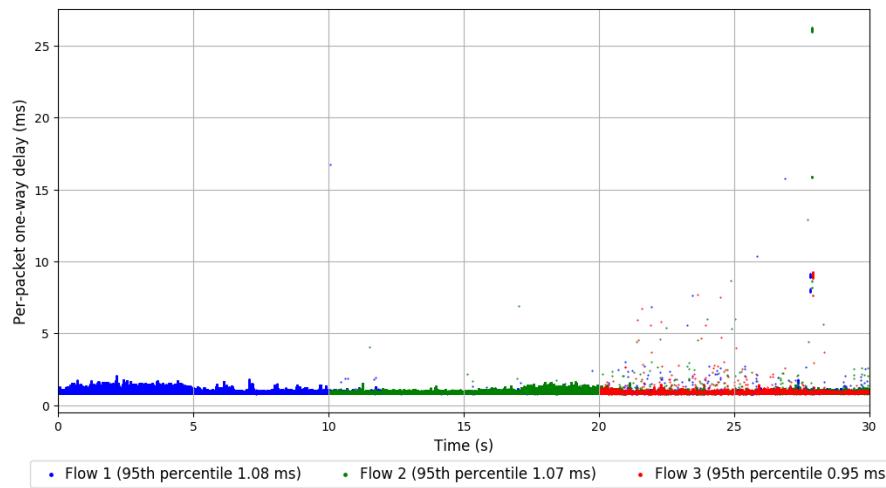
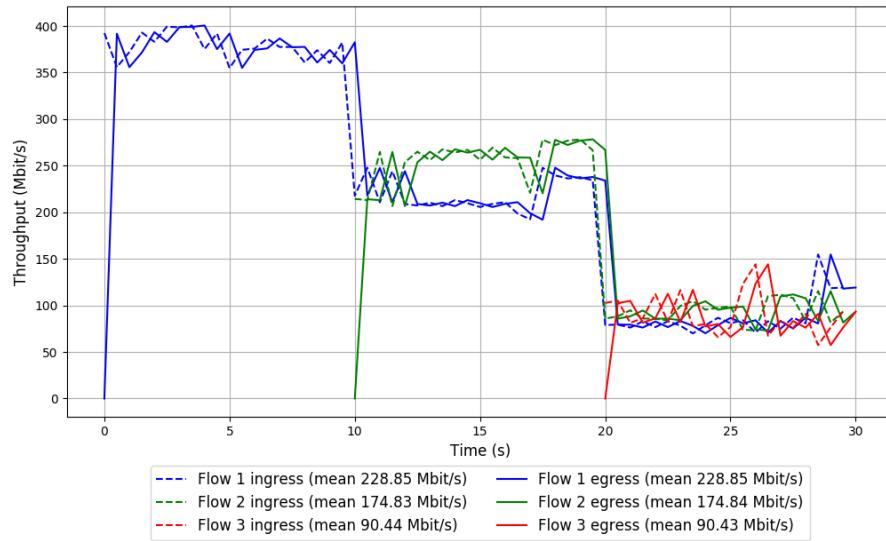


Run 3: Statistics of Copa

```
Start at: 2019-07-18 12:00:49
End at: 2019-07-18 12:01:19
Local clock offset: 3.992 ms
Remote clock offset: 3.458 ms

# Below is generated by plot.py at 2019-07-18 13:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.24 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.84 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 0.952 ms
Loss rate: 0.04%
```

Run 3: Report of Copa — Data Link

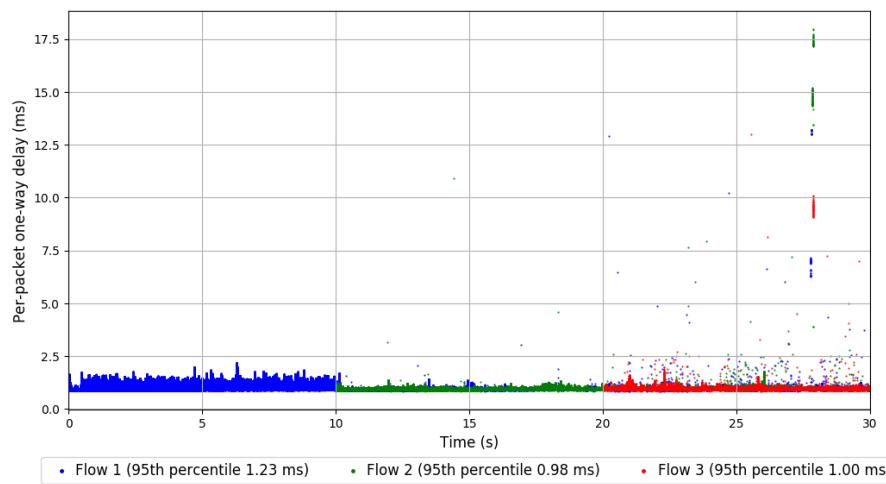
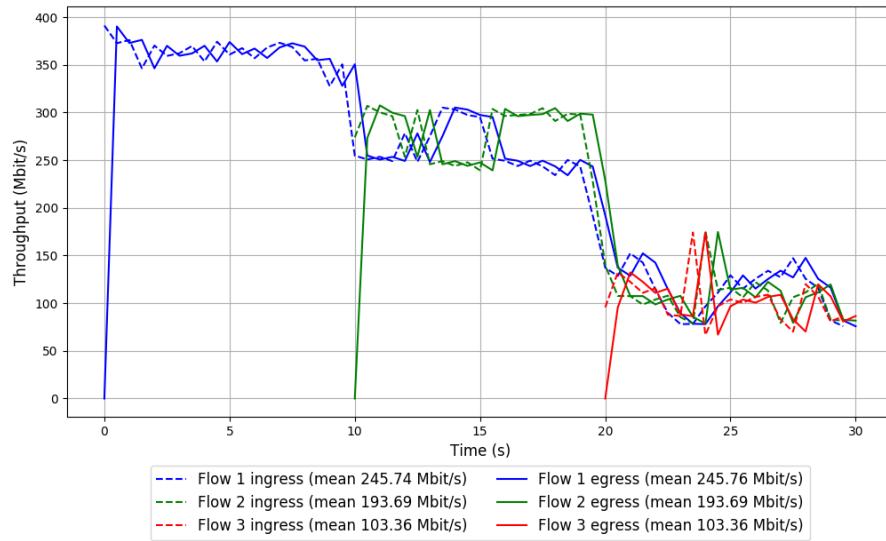


Run 4: Statistics of Copa

```
Start at: 2019-07-18 12:34:56
End at: 2019-07-18 12:35:26
Local clock offset: 1.535 ms
Remote clock offset: 3.075 ms

# Below is generated by plot.py at 2019-07-18 13:53:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.01 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 245.76 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.69 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.36 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

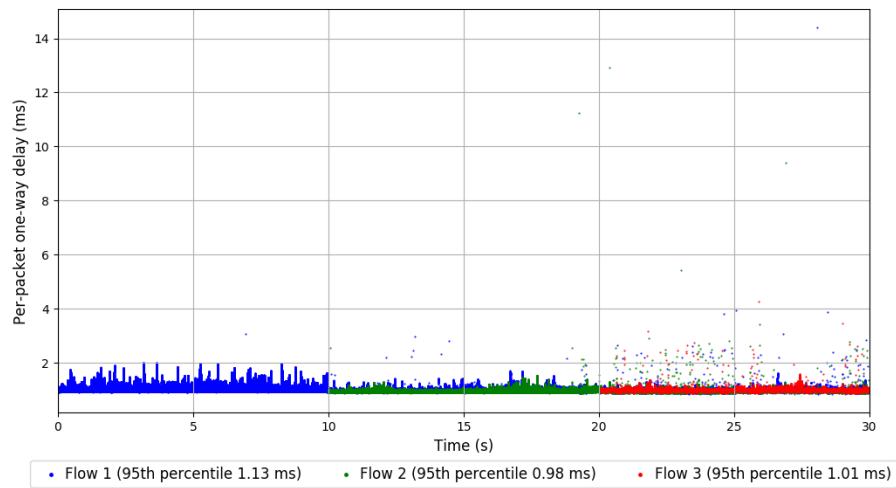
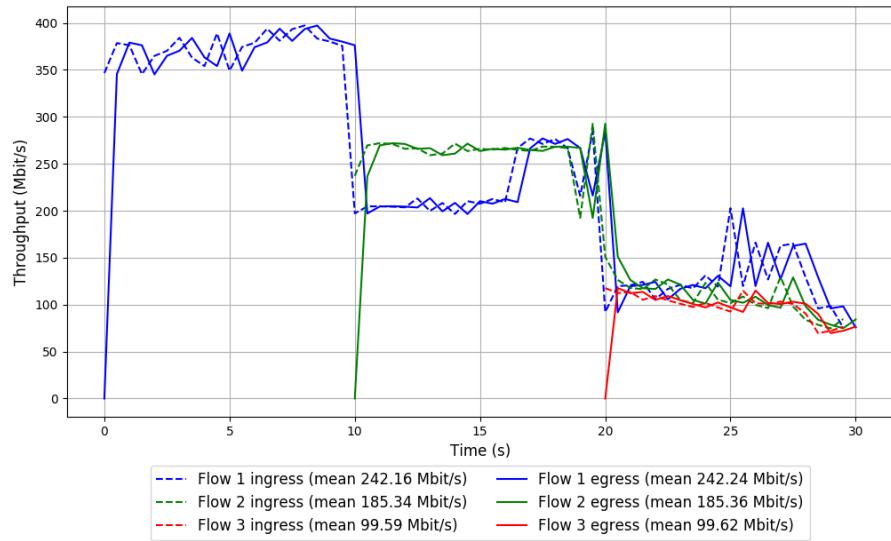


Run 5: Statistics of Copa

```
Start at: 2019-07-18 13:09:27
End at: 2019-07-18 13:09:57
Local clock offset: 0.308 ms
Remote clock offset: 3.104 ms

# Below is generated by plot.py at 2019-07-18 13:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.67 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.24 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.36 Mbit/s
95th percentile per-packet one-way delay: 0.983 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 99.62 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

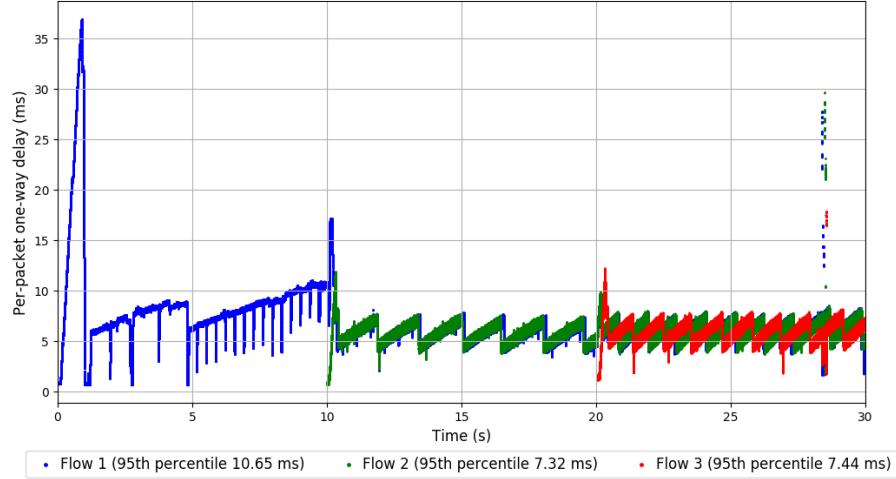
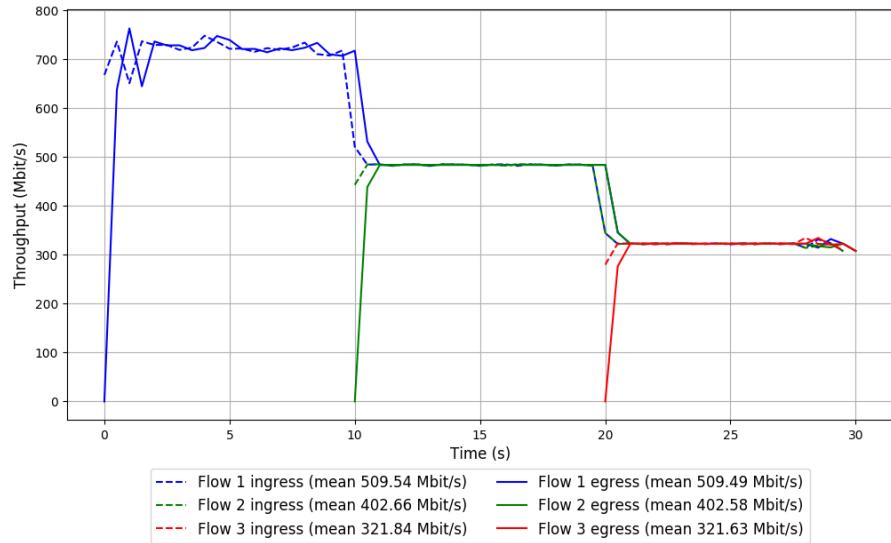


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-18 11:07:39
End at: 2019-07-18 11:08:09
Local clock offset: 3.413 ms
Remote clock offset: 4.37 ms

# Below is generated by plot.py at 2019-07-18 13:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.53 Mbit/s
95th percentile per-packet one-way delay: 10.123 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 509.49 Mbit/s
95th percentile per-packet one-way delay: 10.646 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.58 Mbit/s
95th percentile per-packet one-way delay: 7.324 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.63 Mbit/s
95th percentile per-packet one-way delay: 7.436 ms
Loss rate: 0.09%
```

Run 1: Report of TCP Cubic — Data Link

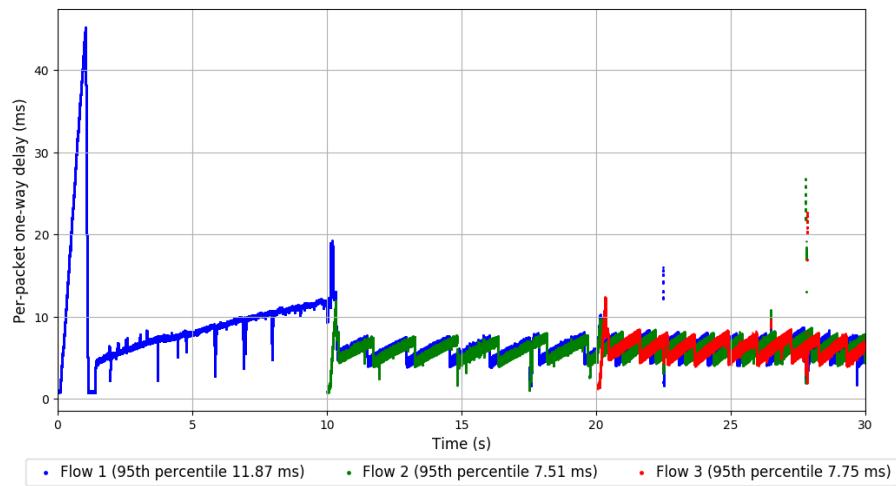
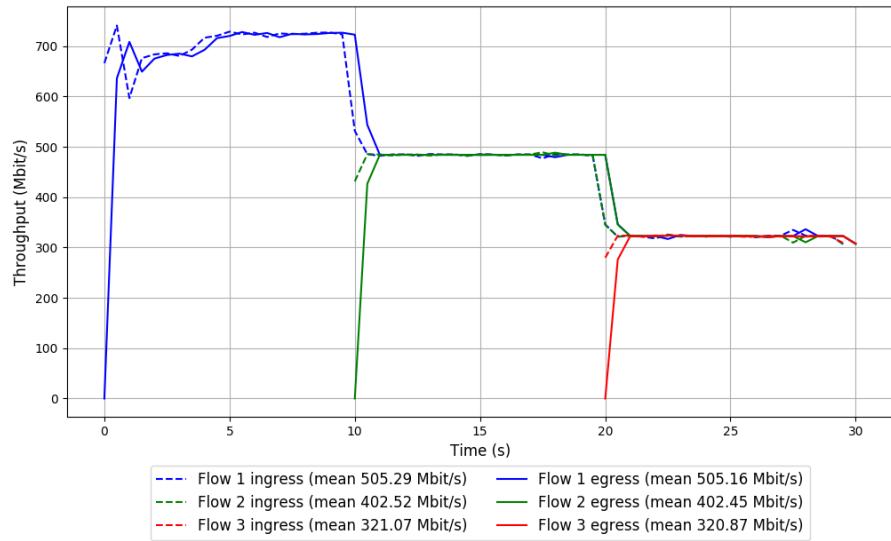


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-18 11:41:55
End at: 2019-07-18 11:42:25
Local clock offset: 4.377 ms
Remote clock offset: 3.796 ms

# Below is generated by plot.py at 2019-07-18 13:56:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 879.87 Mbit/s
95th percentile per-packet one-way delay: 11.307 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 505.16 Mbit/s
95th percentile per-packet one-way delay: 11.870 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 402.45 Mbit/s
95th percentile per-packet one-way delay: 7.515 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 320.87 Mbit/s
95th percentile per-packet one-way delay: 7.746 ms
Loss rate: 0.08%
```

Run 2: Report of TCP Cubic — Data Link

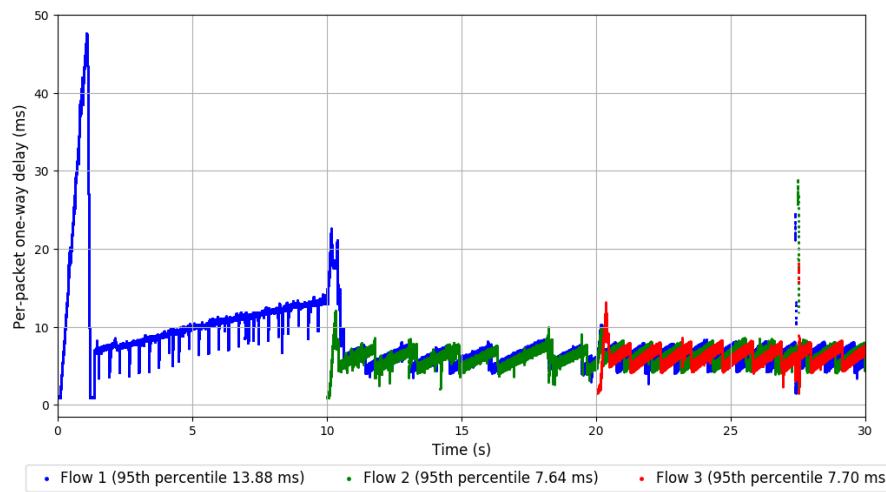
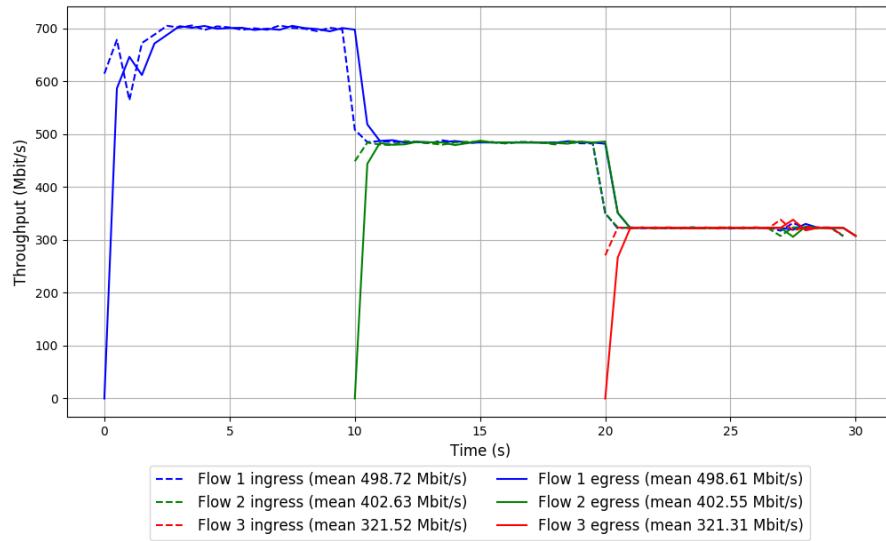


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-18 12:16:07
End at: 2019-07-18 12:16:37
Local clock offset: 3.662 ms
Remote clock offset: 3.308 ms

# Below is generated by plot.py at 2019-07-18 13:56:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 873.45 Mbit/s
95th percentile per-packet one-way delay: 12.868 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 498.61 Mbit/s
95th percentile per-packet one-way delay: 13.876 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 402.55 Mbit/s
95th percentile per-packet one-way delay: 7.644 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.31 Mbit/s
95th percentile per-packet one-way delay: 7.701 ms
Loss rate: 0.08%
```

Run 3: Report of TCP Cubic — Data Link

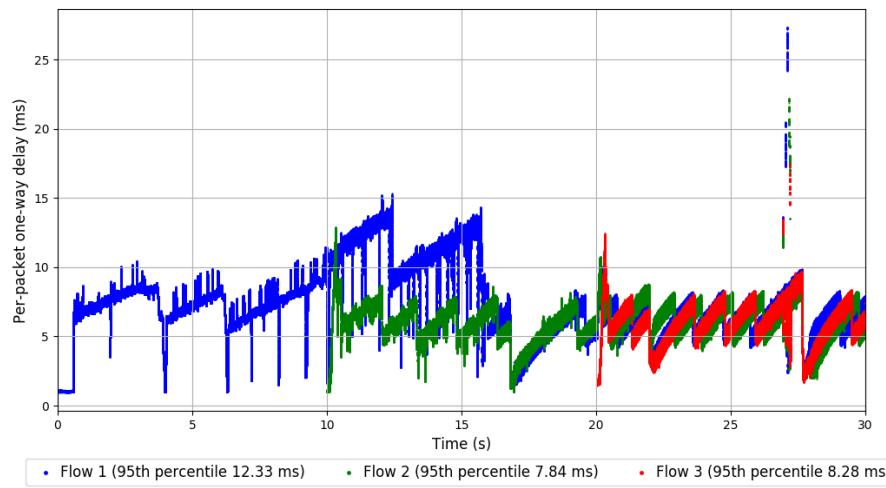
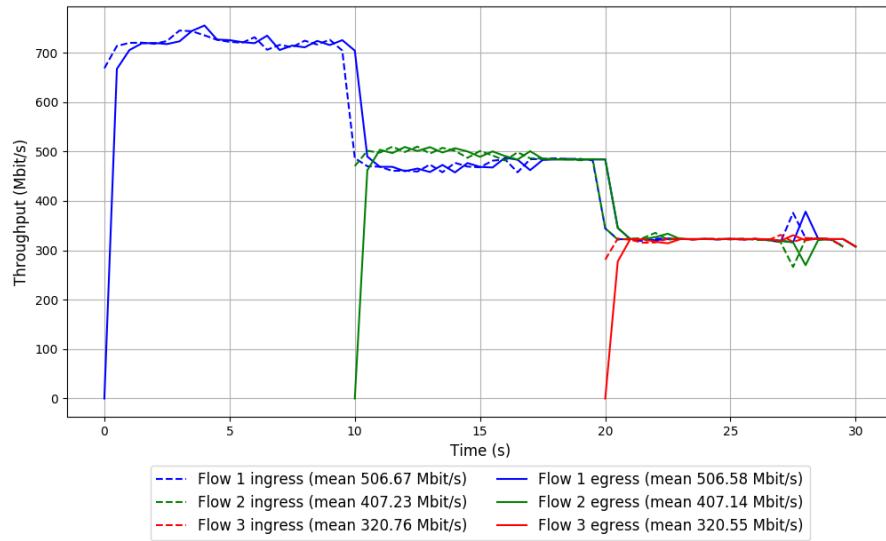


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-18 12:50:33
End at: 2019-07-18 12:51:03
Local clock offset: 0.392 ms
Remote clock offset: 3.23 ms

# Below is generated by plot.py at 2019-07-18 13:57:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.31 Mbit/s
95th percentile per-packet one-way delay: 11.436 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 506.58 Mbit/s
95th percentile per-packet one-way delay: 12.331 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 407.14 Mbit/s
95th percentile per-packet one-way delay: 7.842 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 320.55 Mbit/s
95th percentile per-packet one-way delay: 8.277 ms
Loss rate: 0.07%
```

Run 4: Report of TCP Cubic — Data Link

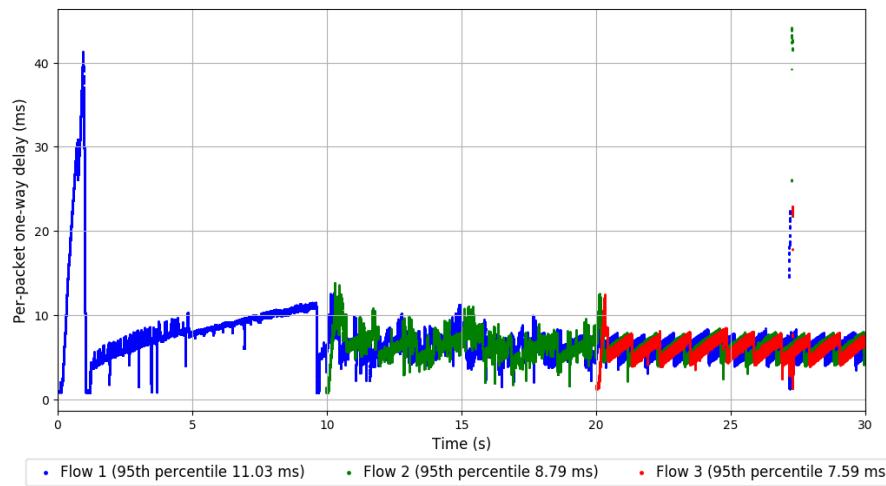
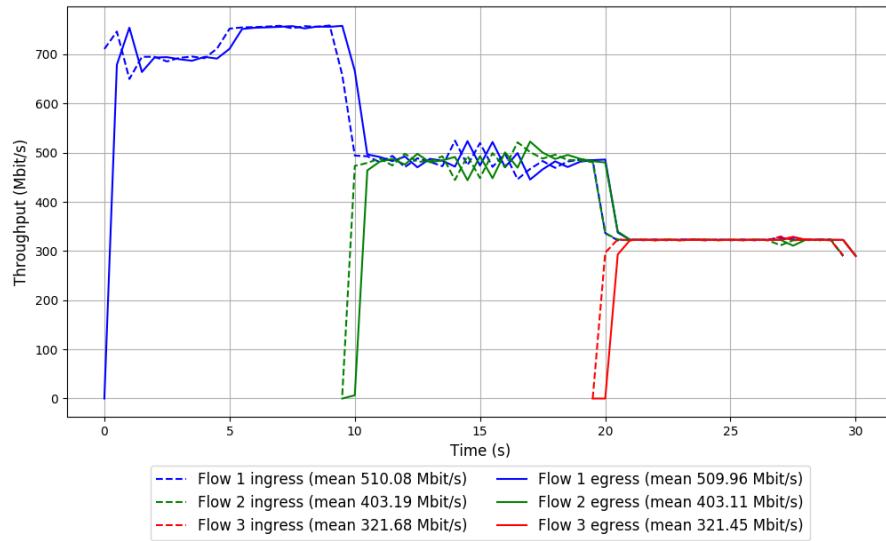


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-18 13:24:57
End at: 2019-07-18 13:25:27
Local clock offset: 0.022 ms
Remote clock offset: 0.469 ms

# Below is generated by plot.py at 2019-07-18 13:57:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 885.63 Mbit/s
95th percentile per-packet one-way delay: 10.650 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 509.96 Mbit/s
95th percentile per-packet one-way delay: 11.026 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 403.11 Mbit/s
95th percentile per-packet one-way delay: 8.791 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.45 Mbit/s
95th percentile per-packet one-way delay: 7.586 ms
Loss rate: 0.09%
```

Run 5: Report of TCP Cubic — Data Link

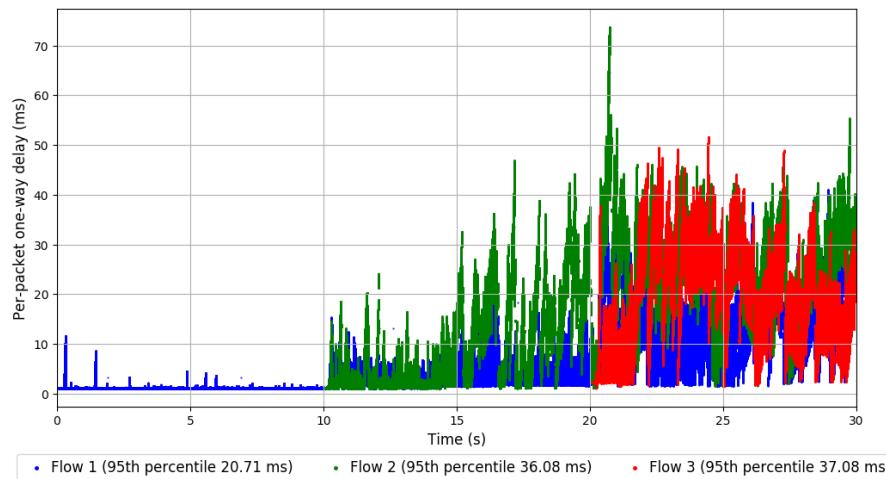
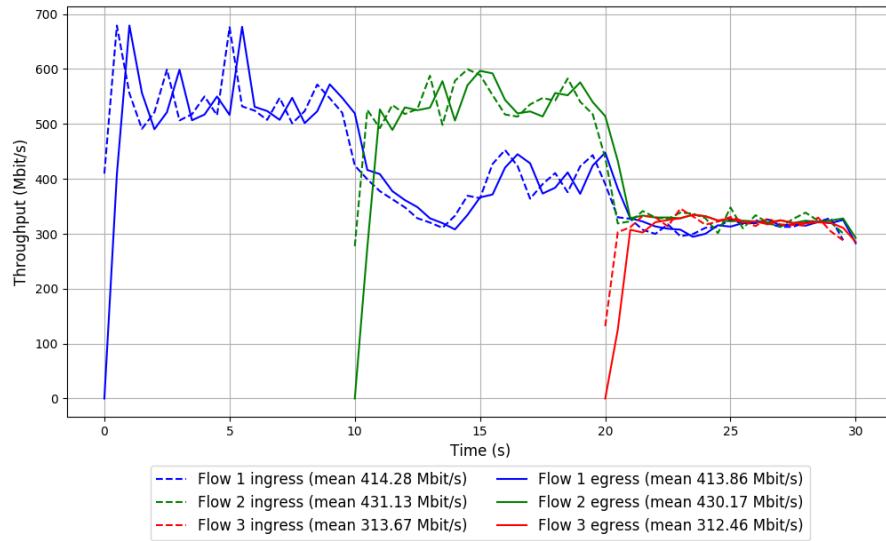


```
Run 1: Statistics of FillP

Start at: 2019-07-18 10:37:53
End at: 2019-07-18 10:38:23
Local clock offset: -0.244 ms
Remote clock offset: 4.465 ms

# Below is generated by plot.py at 2019-07-18 13:58:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.55 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 413.86 Mbit/s
95th percentile per-packet one-way delay: 20.708 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 430.17 Mbit/s
95th percentile per-packet one-way delay: 36.076 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 312.46 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.27%
```

Run 1: Report of FillP — Data Link

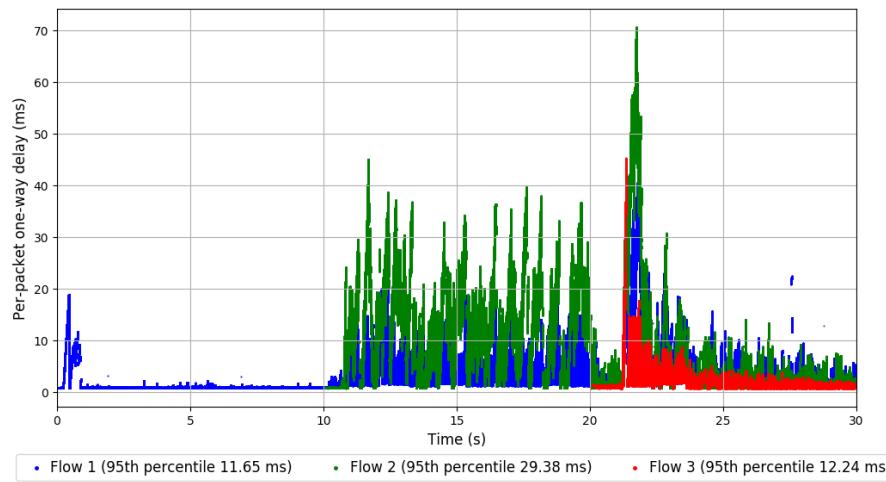
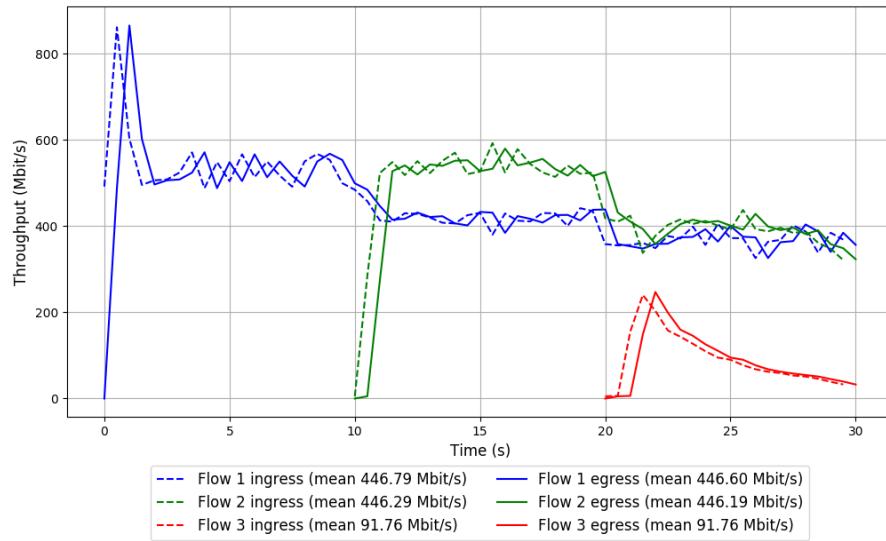


Run 2: Statistics of FillP

```
Start at: 2019-07-18 11:12:12
End at: 2019-07-18 11:12:42
Local clock offset: 4.351 ms
Remote clock offset: 4.402 ms

# Below is generated by plot.py at 2019-07-18 14:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.06 Mbit/s
95th percentile per-packet one-way delay: 23.043 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 446.60 Mbit/s
95th percentile per-packet one-way delay: 11.652 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 446.19 Mbit/s
95th percentile per-packet one-way delay: 29.382 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 12.239 ms
Loss rate: 0.01%
```

Run 2: Report of FillP — Data Link

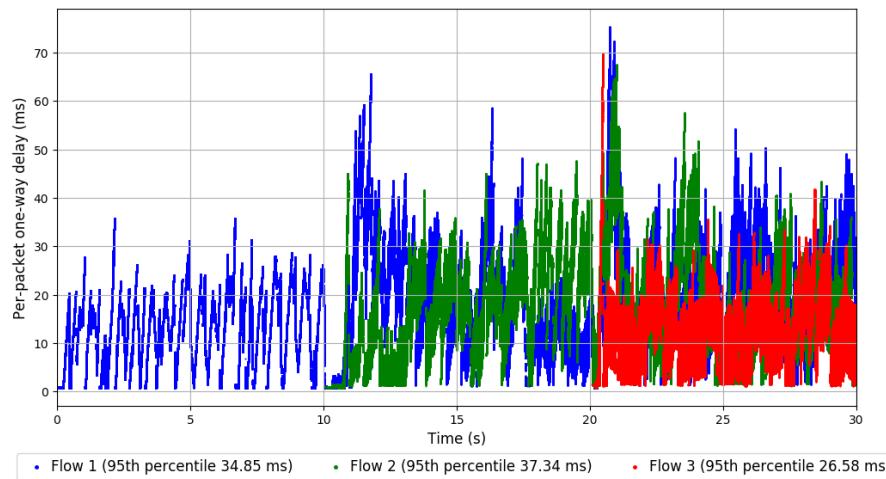
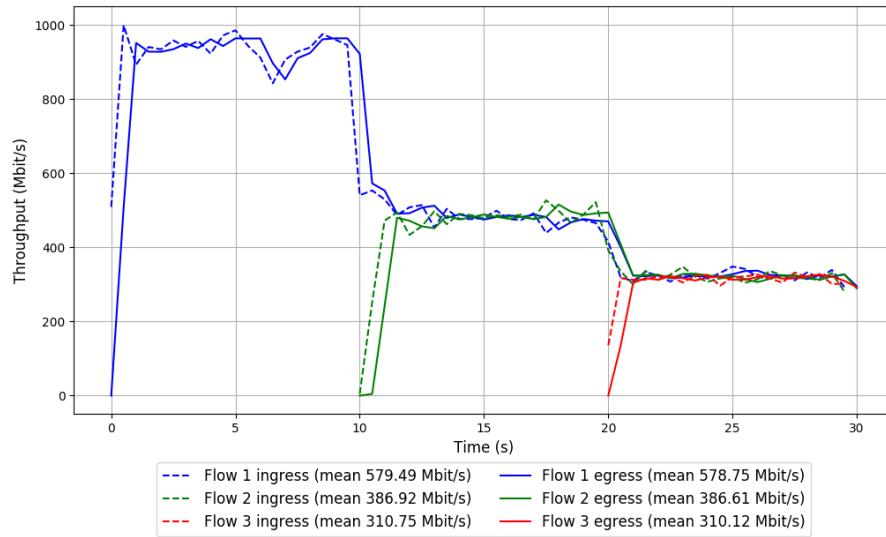


Run 3: Statistics of FillP

```
Start at: 2019-07-18 11:46:29
End at: 2019-07-18 11:46:59
Local clock offset: 4.372 ms
Remote clock offset: 3.601 ms

# Below is generated by plot.py at 2019-07-18 14:07:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 938.20 Mbit/s
95th percentile per-packet one-way delay: 35.082 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 578.75 Mbit/s
95th percentile per-packet one-way delay: 34.854 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 386.61 Mbit/s
95th percentile per-packet one-way delay: 37.343 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 310.12 Mbit/s
95th percentile per-packet one-way delay: 26.582 ms
Loss rate: 0.20%
```

Run 3: Report of FillP — Data Link

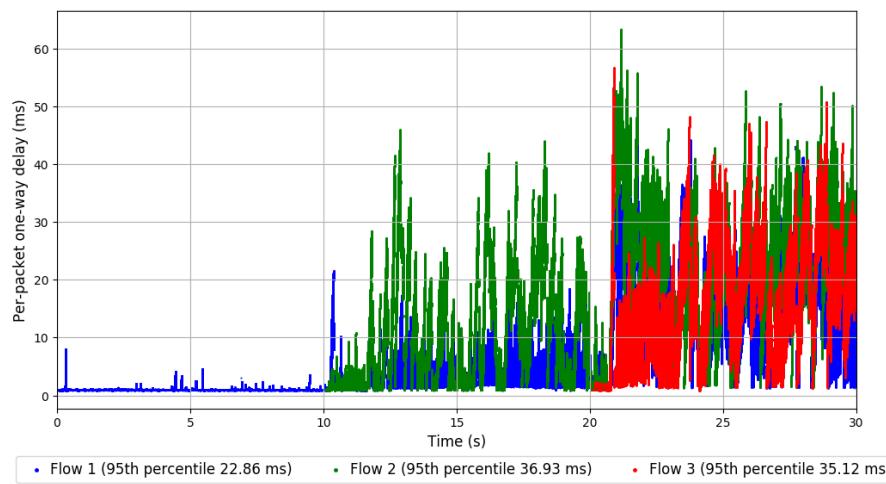
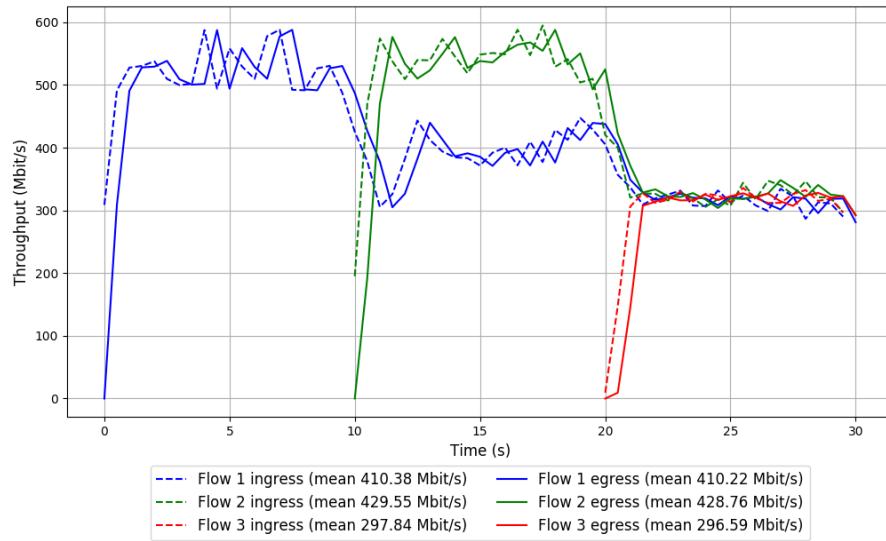


```
Run 4: Statistics of FillP
```

```
Start at: 2019-07-18 12:20:40
End at: 2019-07-18 12:21:10
Local clock offset: 3.663 ms
Remote clock offset: 3.203 ms

# Below is generated by plot.py at 2019-07-18 14:07:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.42 Mbit/s
95th percentile per-packet one-way delay: 32.646 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 410.22 Mbit/s
95th percentile per-packet one-way delay: 22.859 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 428.76 Mbit/s
95th percentile per-packet one-way delay: 36.930 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 296.59 Mbit/s
95th percentile per-packet one-way delay: 35.124 ms
Loss rate: 0.33%
```

Run 4: Report of FillP — Data Link

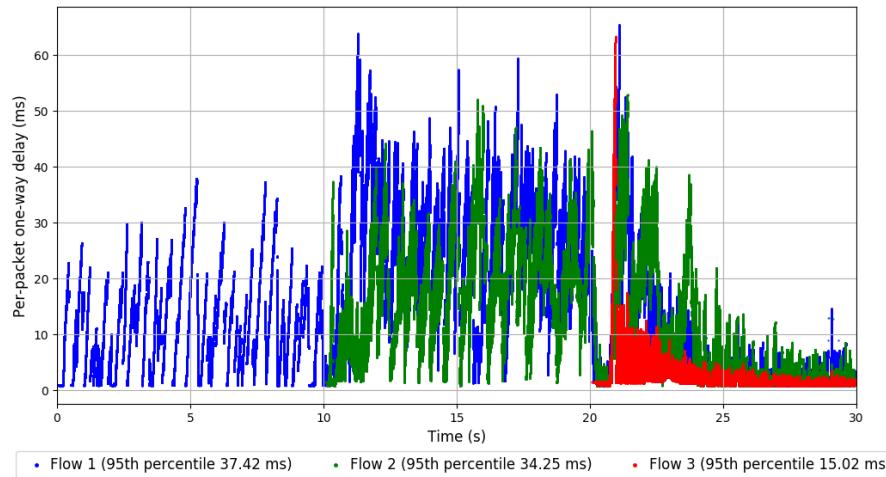
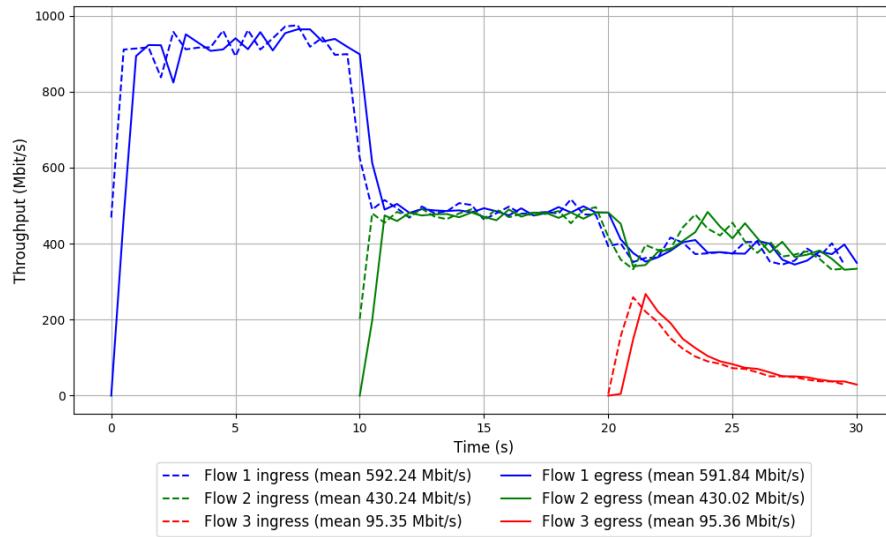


Run 5: Statistics of FillP

```
Start at: 2019-07-18 12:55:07
End at: 2019-07-18 12:55:37
Local clock offset: 0.188 ms
Remote clock offset: 3.259 ms

# Below is generated by plot.py at 2019-07-18 14:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 908.83 Mbit/s
95th percentile per-packet one-way delay: 36.296 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 591.84 Mbit/s
95th percentile per-packet one-way delay: 37.422 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 430.02 Mbit/s
95th percentile per-packet one-way delay: 34.254 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 15.023 ms
Loss rate: 0.01%
```

Run 5: Report of FillP — Data Link

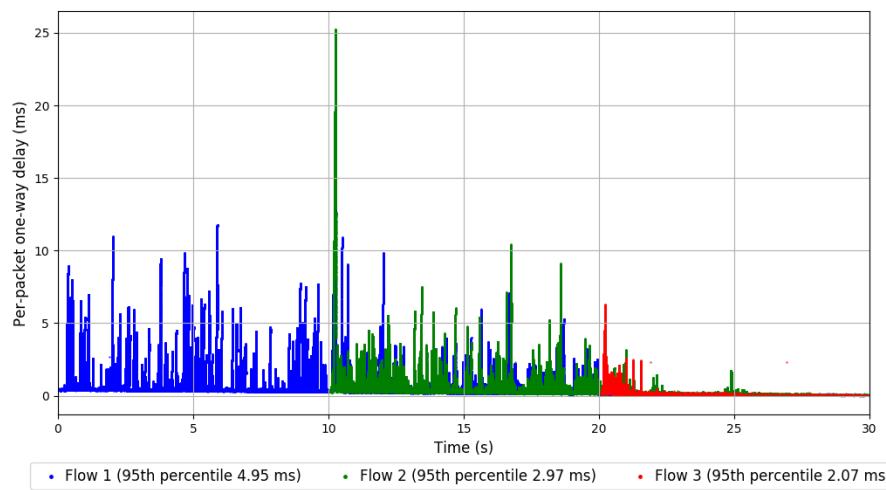
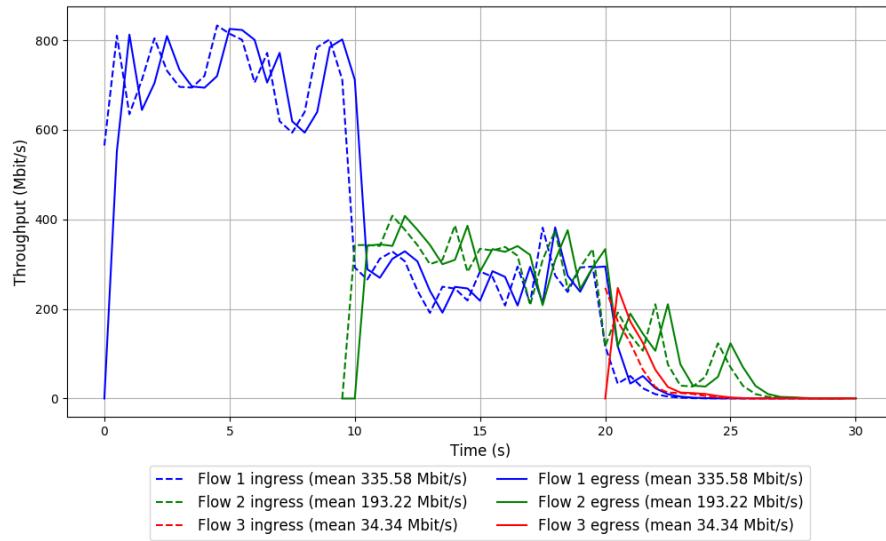


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-18 10:56:21
End at: 2019-07-18 10:56:51
Local clock offset: -1.427 ms
Remote clock offset: 4.882 ms

# Below is generated by plot.py at 2019-07-18 14:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.56 Mbit/s
95th percentile per-packet one-way delay: 4.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 335.58 Mbit/s
95th percentile per-packet one-way delay: 4.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.22 Mbit/s
95th percentile per-packet one-way delay: 2.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 2.070 ms
Loss rate: 0.00%
```

Run 1: Report of FillP-Sheep — Data Link

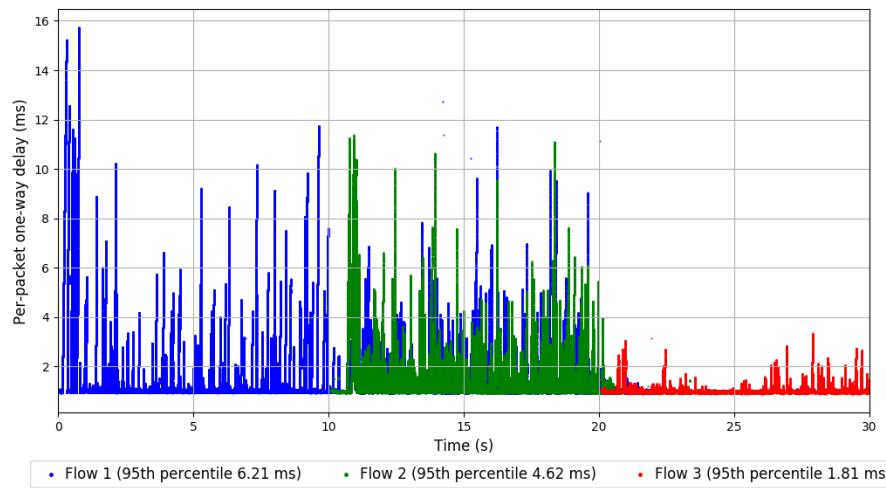
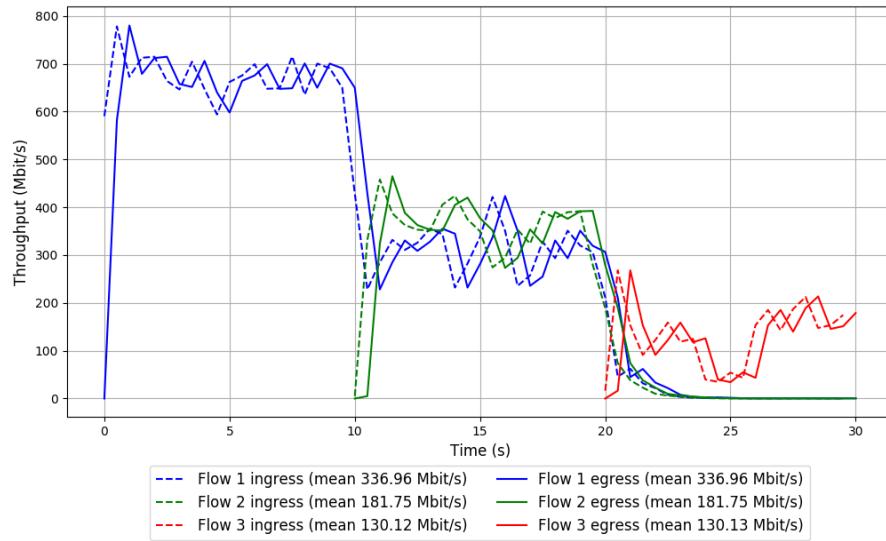


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-18 11:30:35
End at: 2019-07-18 11:31:05
Local clock offset: 4.877 ms
Remote clock offset: 4.541 ms

# Below is generated by plot.py at 2019-07-18 14:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.58 Mbit/s
95th percentile per-packet one-way delay: 5.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.96 Mbit/s
95th percentile per-packet one-way delay: 6.205 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.75 Mbit/s
95th percentile per-packet one-way delay: 4.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.13 Mbit/s
95th percentile per-packet one-way delay: 1.808 ms
Loss rate: 0.00%
```

Run 2: Report of FillP-Sheep — Data Link

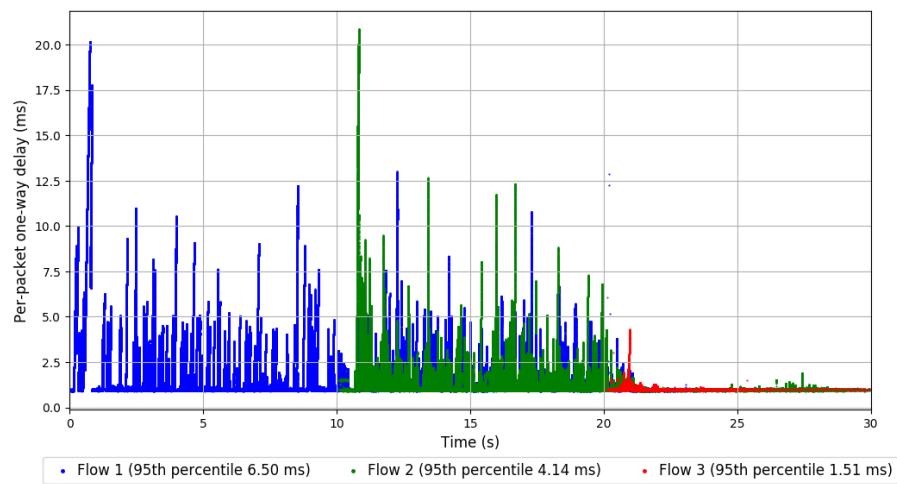
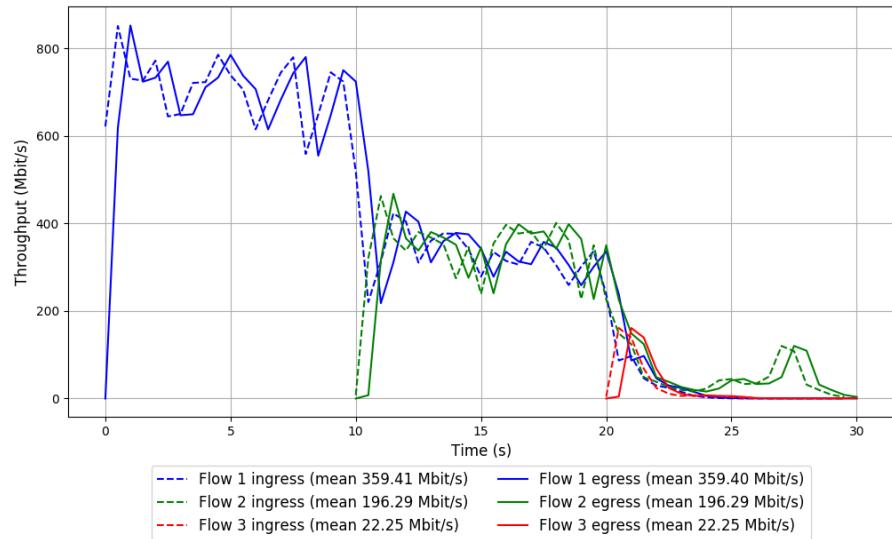


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-18 12:04:59
End at: 2019-07-18 12:05:29
Local clock offset: 3.848 ms
Remote clock offset: 3.352 ms

# Below is generated by plot.py at 2019-07-18 14:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.07 Mbit/s
95th percentile per-packet one-way delay: 5.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 359.40 Mbit/s
95th percentile per-packet one-way delay: 6.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 196.29 Mbit/s
95th percentile per-packet one-way delay: 4.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 1.507 ms
Loss rate: 0.00%
```

Run 3: Report of FillP-Sheep — Data Link

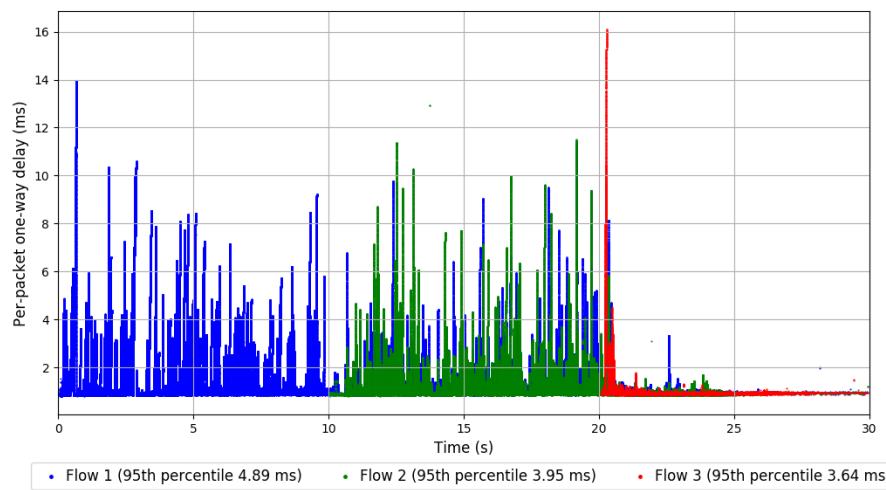
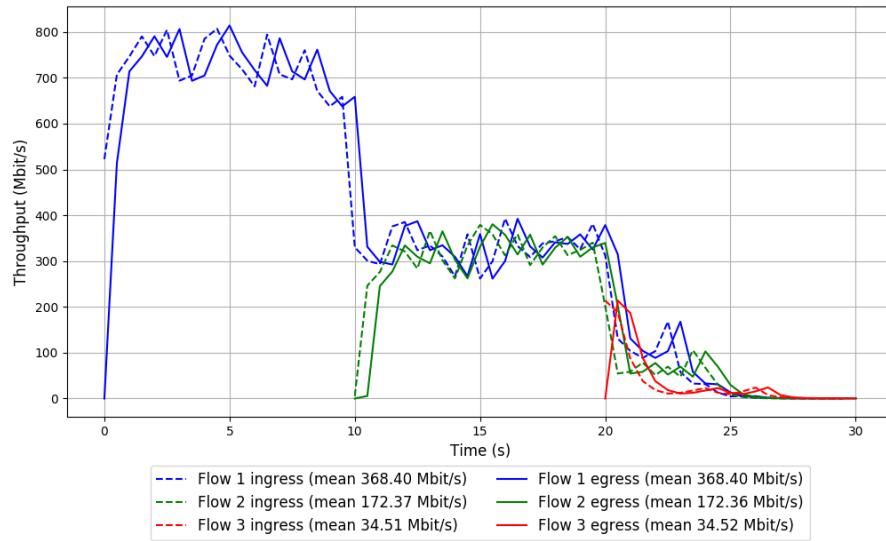


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-18 12:39:08
End at: 2019-07-18 12:39:38
Local clock offset: 1.112 ms
Remote clock offset: 3.149 ms

# Below is generated by plot.py at 2019-07-18 14:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 494.44 Mbit/s
95th percentile per-packet one-way delay: 4.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.40 Mbit/s
95th percentile per-packet one-way delay: 4.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.36 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 3.642 ms
Loss rate: 0.00%
```

Run 4: Report of FillP-Sheep — Data Link

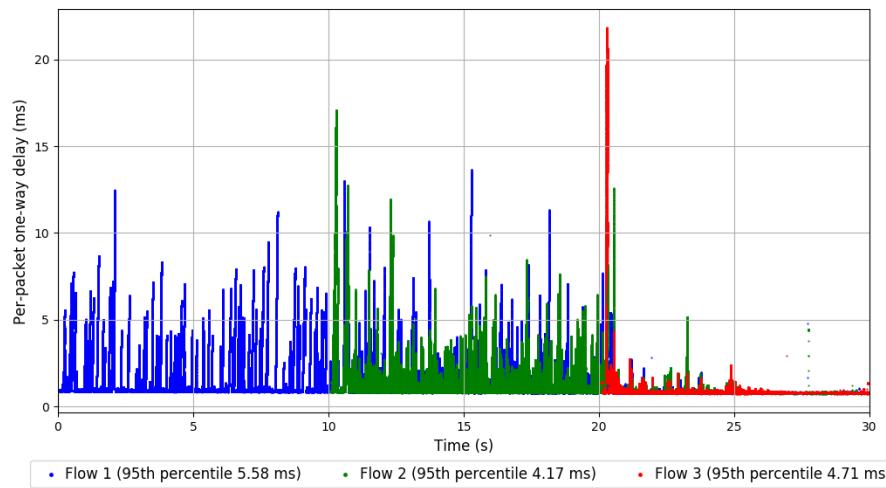
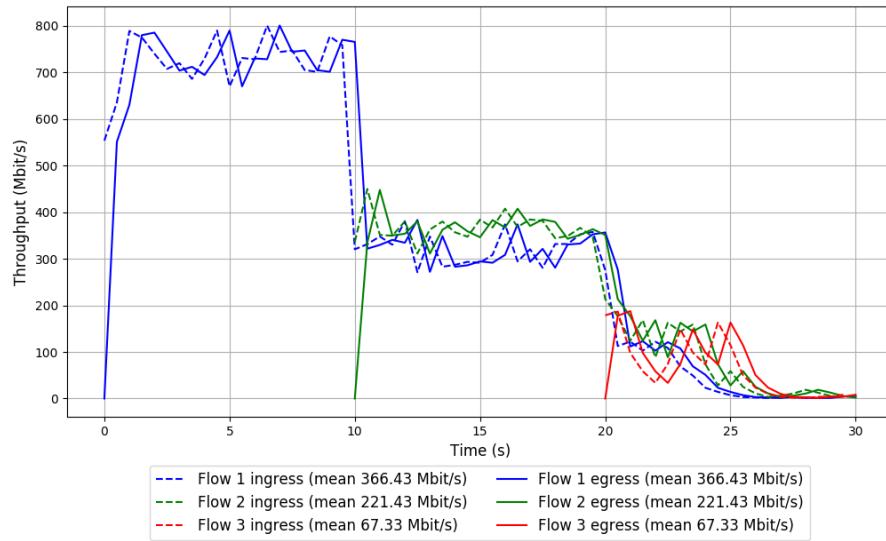


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-18 13:13:38
End at: 2019-07-18 13:14:08
Local clock offset: 0.226 ms
Remote clock offset: 2.518 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 535.86 Mbit/s
95th percentile per-packet one-way delay: 5.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 366.43 Mbit/s
95th percentile per-packet one-way delay: 5.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.43 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.33 Mbit/s
95th percentile per-packet one-way delay: 4.714 ms
Loss rate: 0.00%
```

Run 5: Report of FillP-Sheep — Data Link

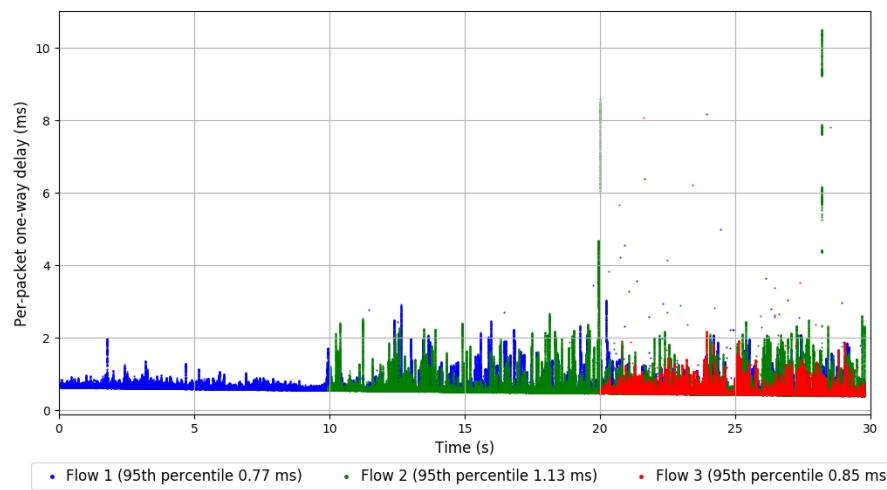
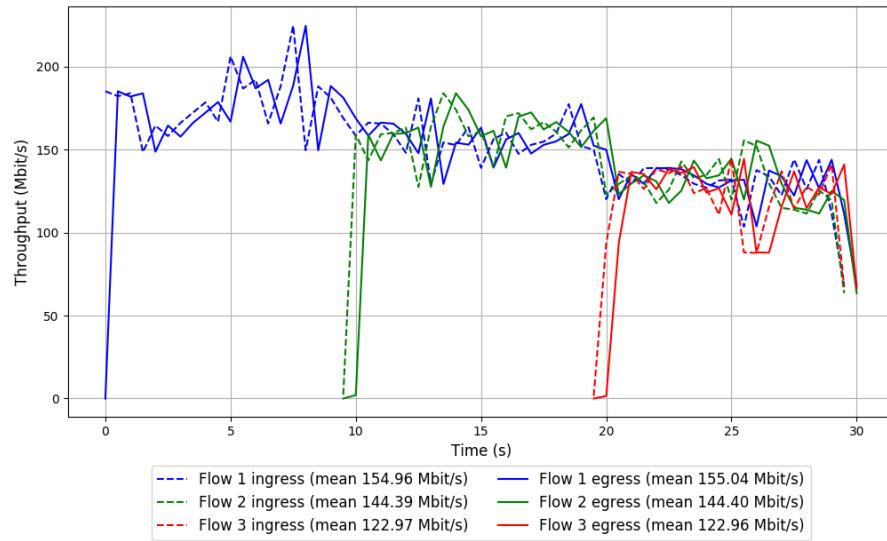


Run 1: Statistics of Indigo

```
Start at: 2019-07-18 11:00:26
End at: 2019-07-18 11:00:56
Local clock offset: 1.126 ms
Remote clock offset: 4.663 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.80 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.04 Mbit/s
95th percentile per-packet one-way delay: 0.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.40 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.96 Mbit/s
95th percentile per-packet one-way delay: 0.849 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo — Data Link

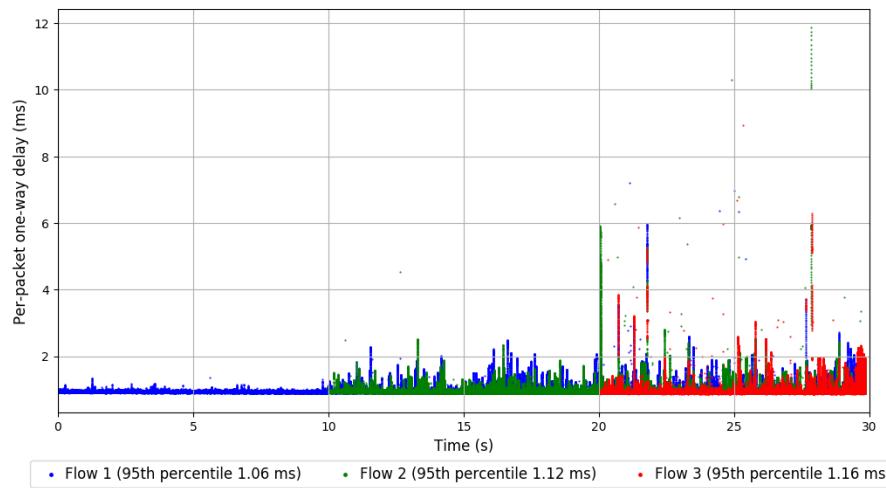
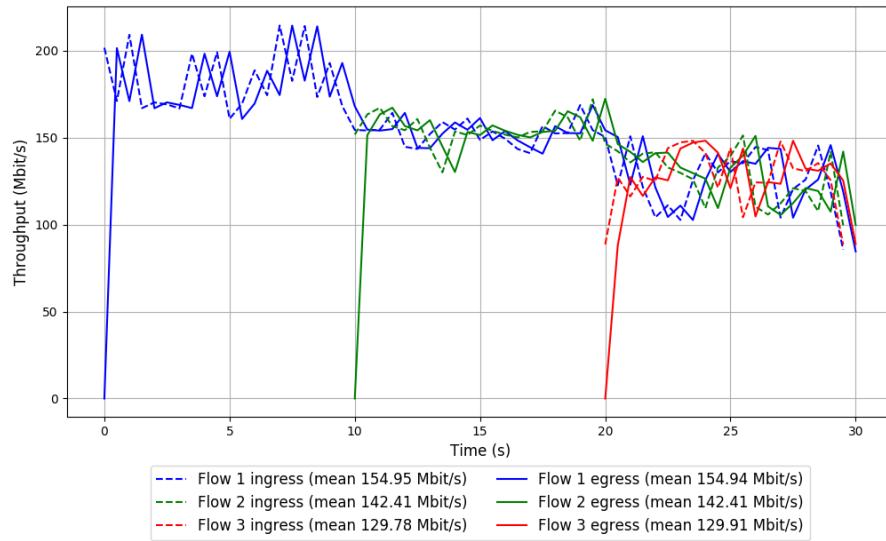


Run 2: Statistics of Indigo

```
Start at: 2019-07-18 11:34:42
End at: 2019-07-18 11:35:12
Local clock offset: 4.542 ms
Remote clock offset: 4.117 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.15 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 154.94 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 142.41 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

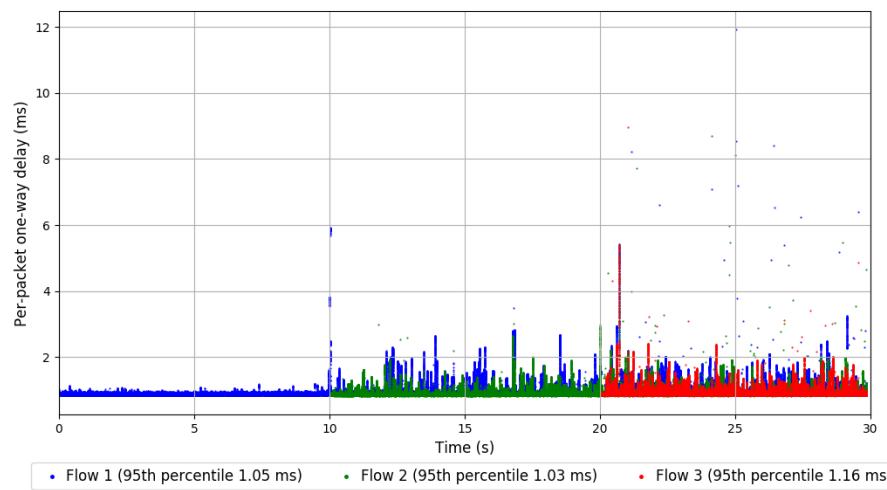
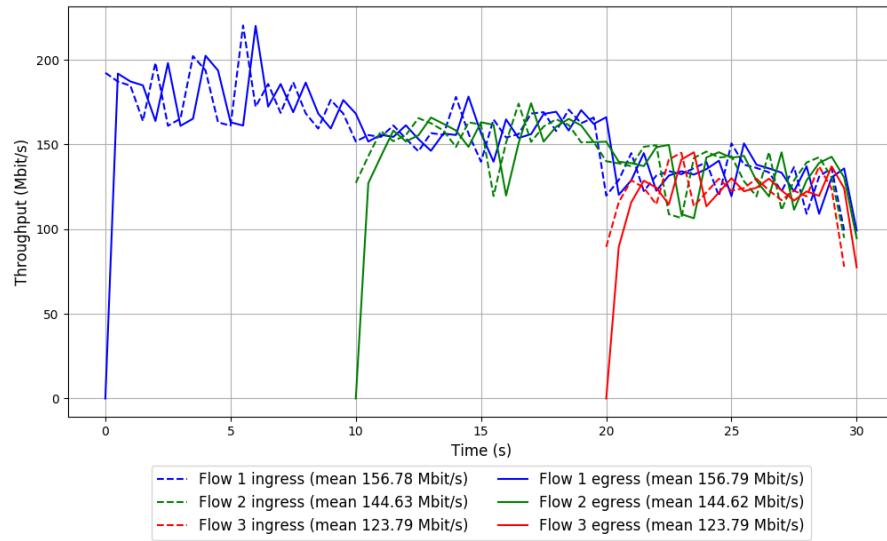


Run 3: Statistics of Indigo

```
Start at: 2019-07-18 12:09:03
End at: 2019-07-18 12:09:33
Local clock offset: 3.757 ms
Remote clock offset: 3.443 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.22 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 156.79 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 144.62 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 123.79 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo — Data Link

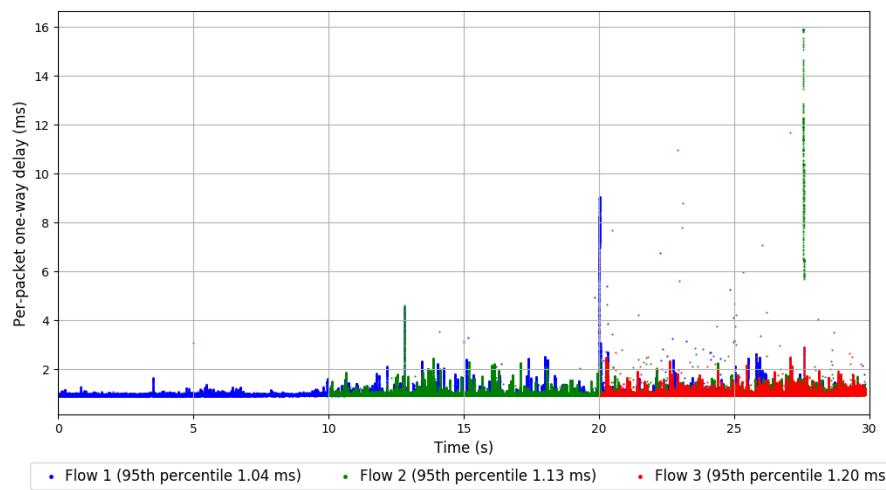
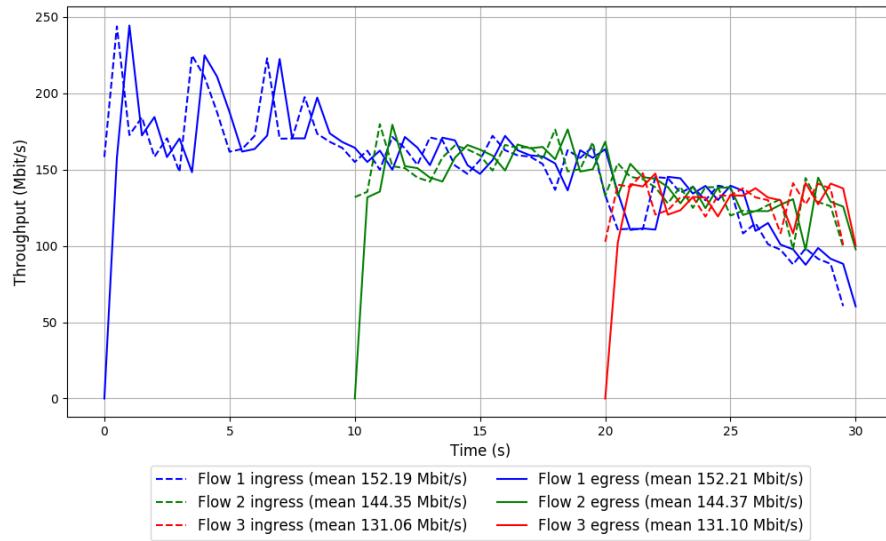


Run 4: Statistics of Indigo

```
Start at: 2019-07-18 12:43:19
End at: 2019-07-18 12:43:49
Local clock offset: 0.794 ms
Remote clock offset: 3.228 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.27 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 152.21 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.37 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 131.10 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo — Data Link

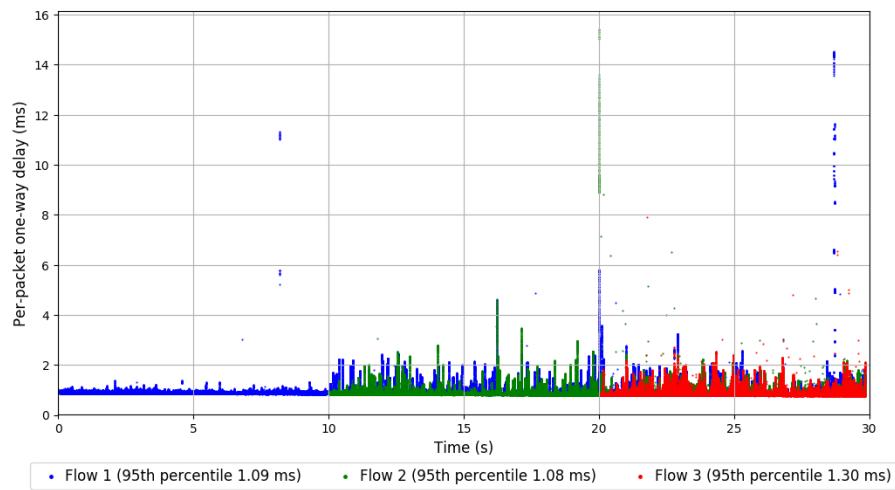
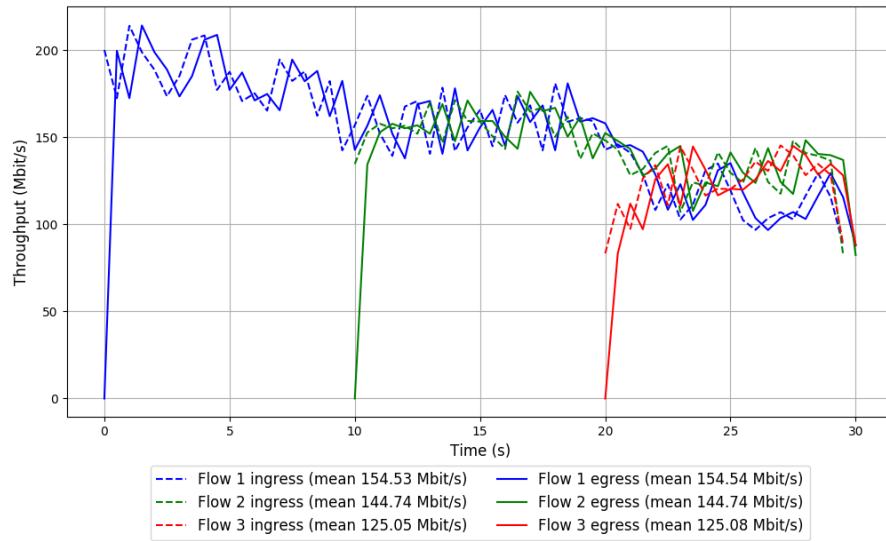


Run 5: Statistics of Indigo

```
Start at: 2019-07-18 13:17:43
End at: 2019-07-18 13:18:13
Local clock offset: 0.154 ms
Remote clock offset: 1.596 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.86 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.54 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.74 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.08 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo — Data Link

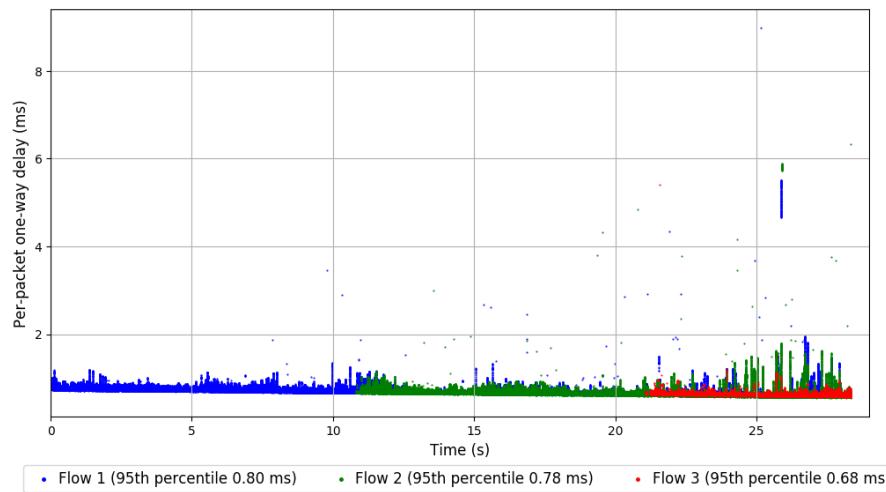
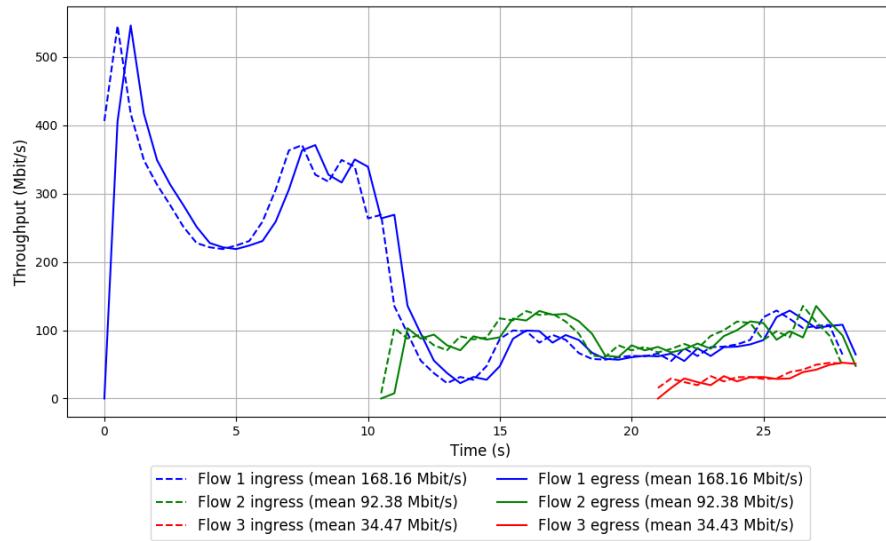


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-07-18 11:03:10
End at: 2019-07-18 11:03:40
Local clock offset: 2.162 ms
Remote clock offset: 4.437 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.05 Mbit/s
95th percentile per-packet one-way delay: 0.798 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 168.16 Mbit/s
95th percentile per-packet one-way delay: 0.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 0.775 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.43 Mbit/s
95th percentile per-packet one-way delay: 0.680 ms
Loss rate: 0.12%
```

Run 1: Report of Indigo-MusesC3 — Data Link

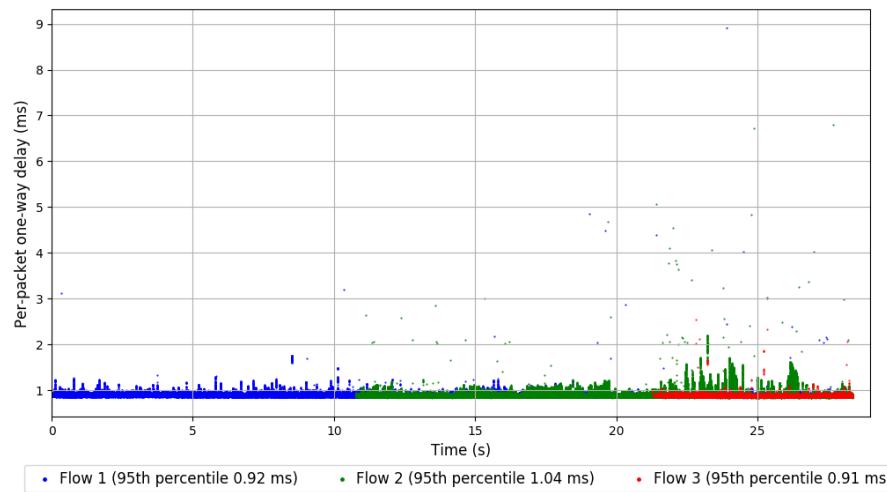
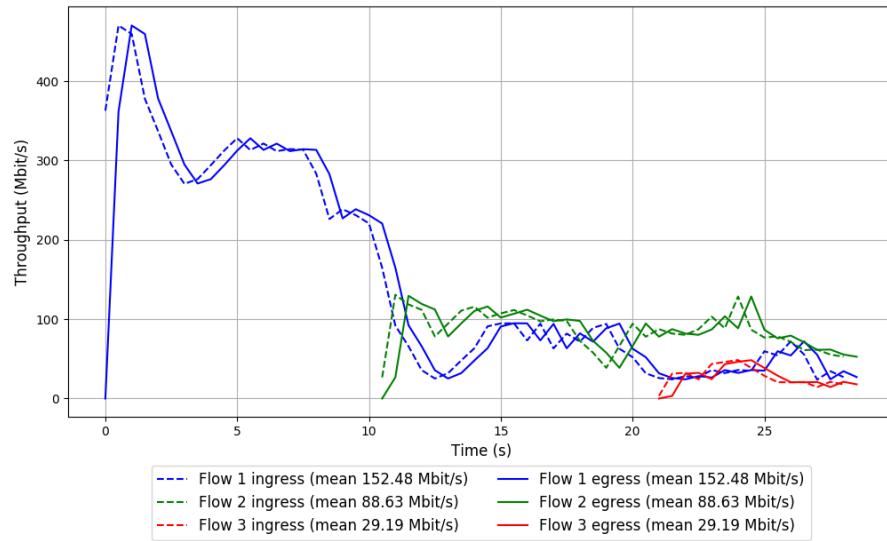


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 11:37:26
End at: 2019-07-18 11:37:56
Local clock offset: 4.47 ms
Remote clock offset: 3.984 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.67 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.48 Mbit/s
95th percentile per-packet one-way delay: 0.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 0.910 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC3 — Data Link

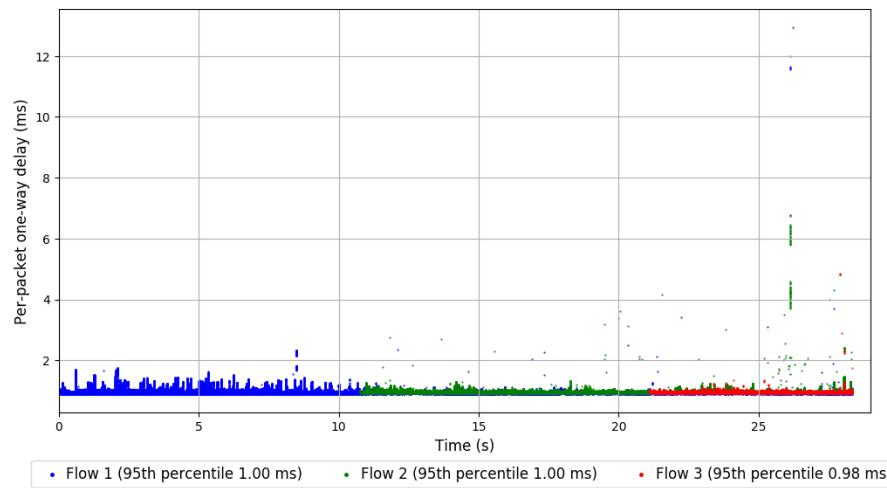
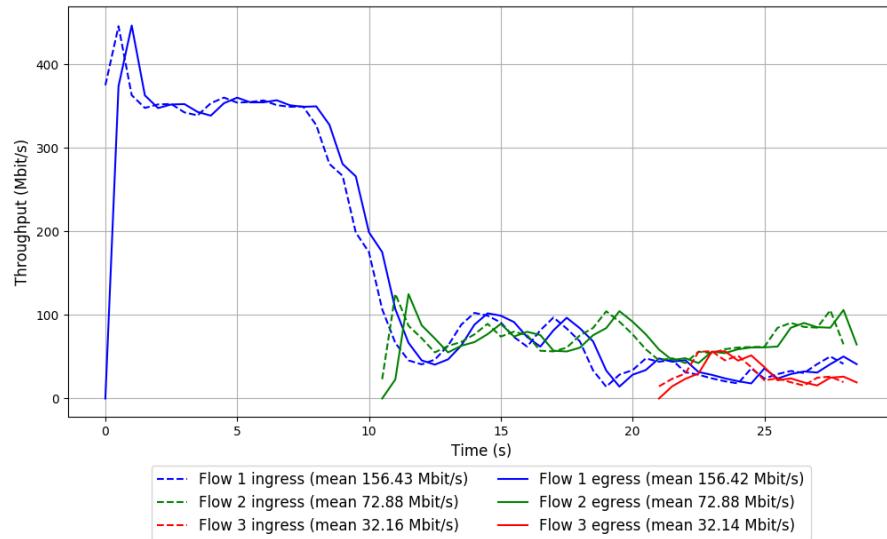


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 12:11:48
End at: 2019-07-18 12:12:18
Local clock offset: 3.678 ms
Remote clock offset: 3.307 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 209.85 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 156.42 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.08%
```

Run 3: Report of Indigo-MusesC3 — Data Link

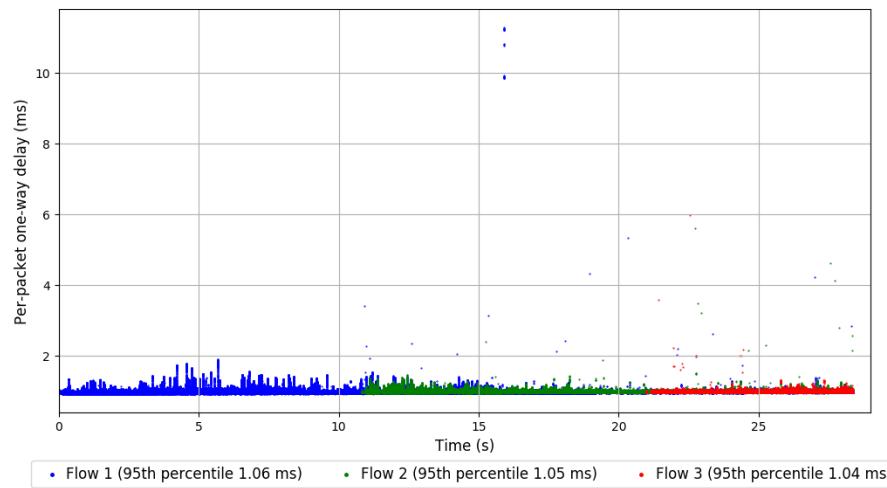
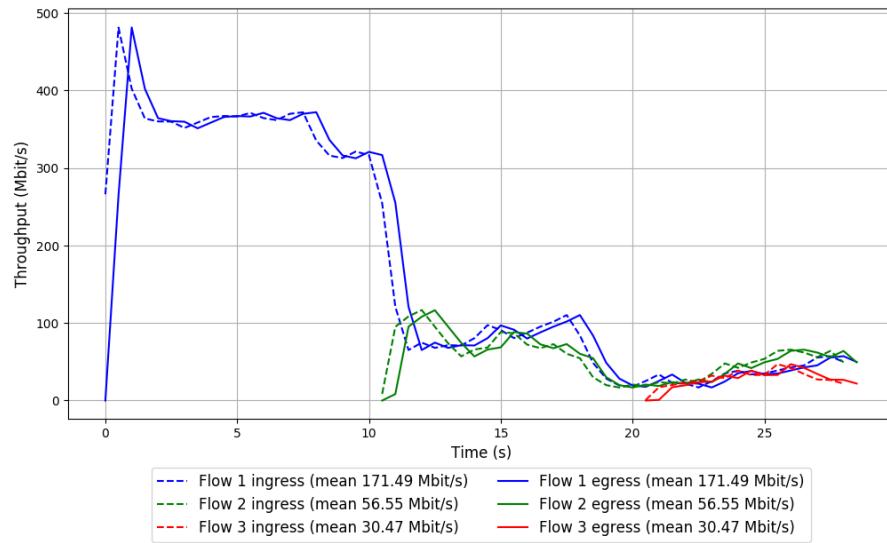


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 12:46:03
End at: 2019-07-18 12:46:33
Local clock offset: 0.605 ms
Remote clock offset: 3.216 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.38 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.49 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC3 — Data Link

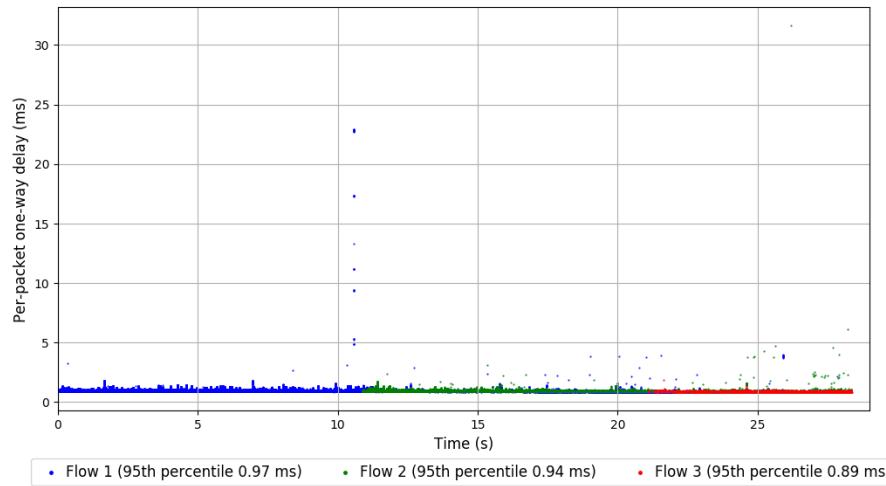
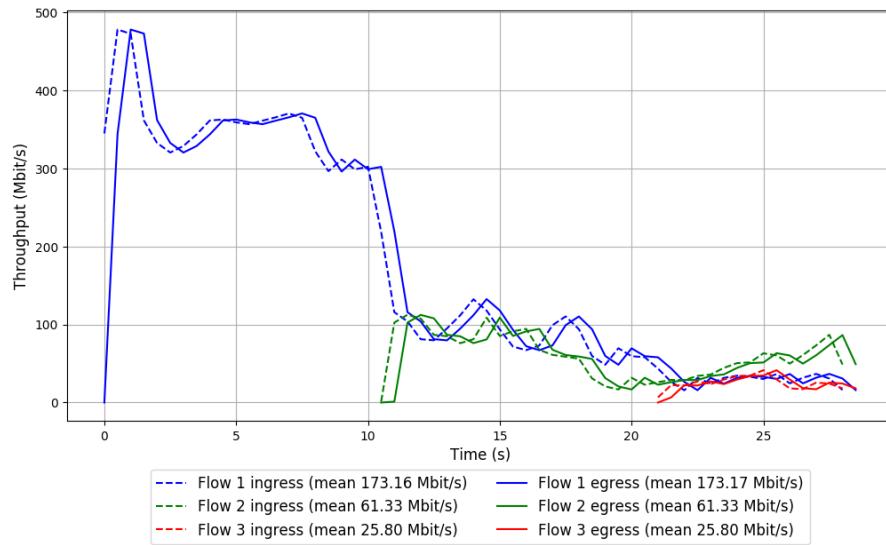


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-18 13:20:28
End at: 2019-07-18 13:20:58
Local clock offset: 0.106 ms
Remote clock offset: 1.099 ms

# Below is generated by plot.py at 2019-07-18 14:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.52 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.17 Mbit/s
95th percentile per-packet one-way delay: 0.967 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 0.889 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

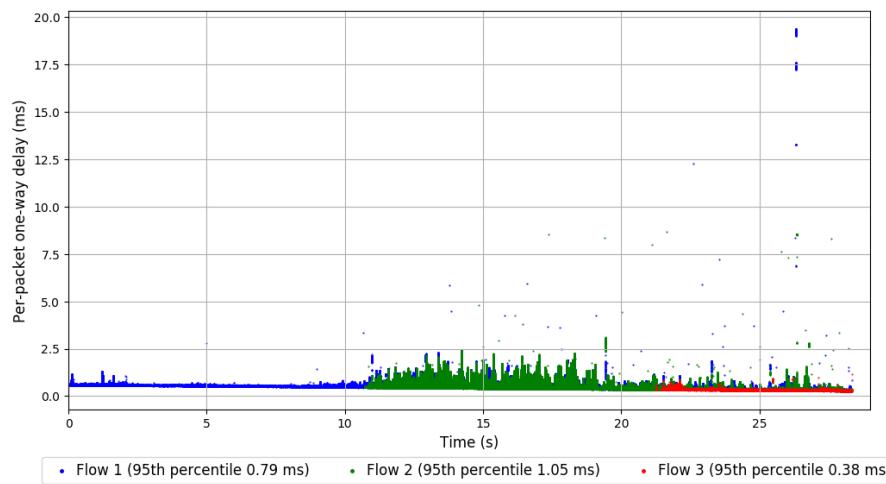
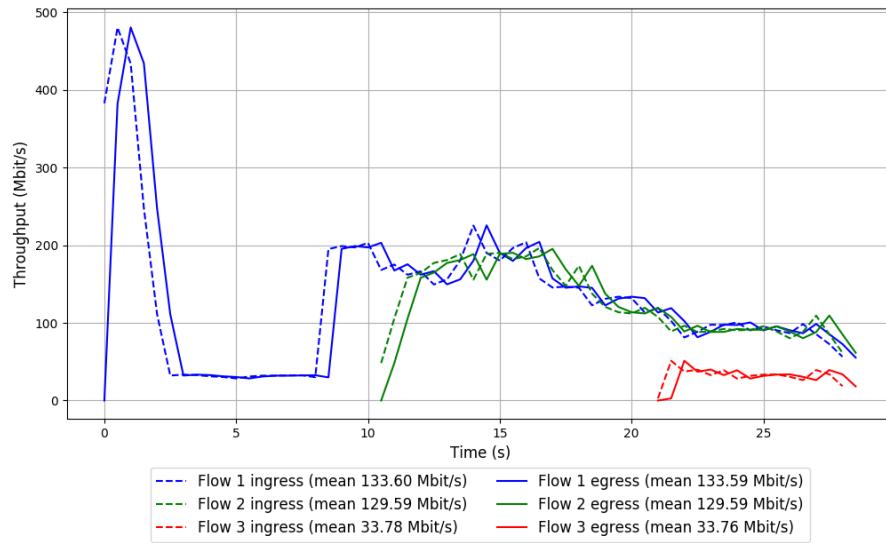


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 10:57:48
End at: 2019-07-18 10:58:18
Local clock offset: -0.344 ms
Remote clock offset: 4.75 ms

# Below is generated by plot.py at 2019-07-18 14:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.61 Mbit/s
95th percentile per-packet one-way delay: 0.886 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 133.59 Mbit/s
95th percentile per-packet one-way delay: 0.788 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 129.59 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 0.375 ms
Loss rate: 0.06%
```

Run 1: Report of Indigo-MusesC5 — Data Link

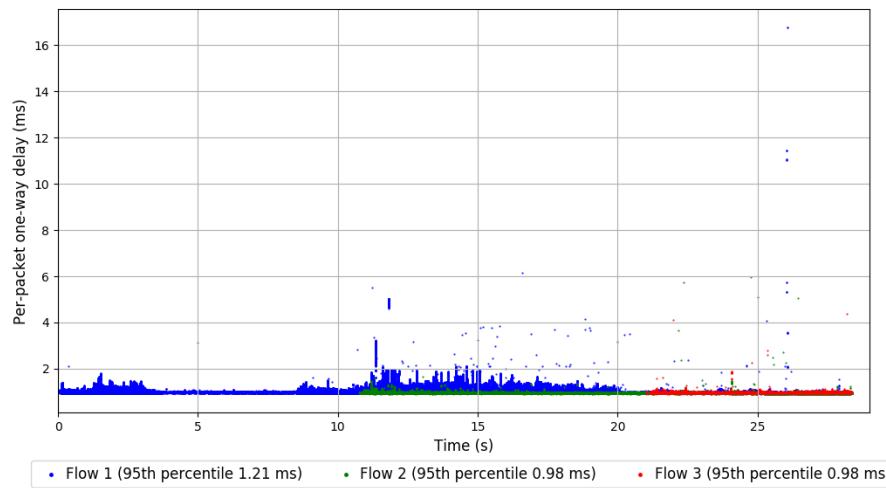
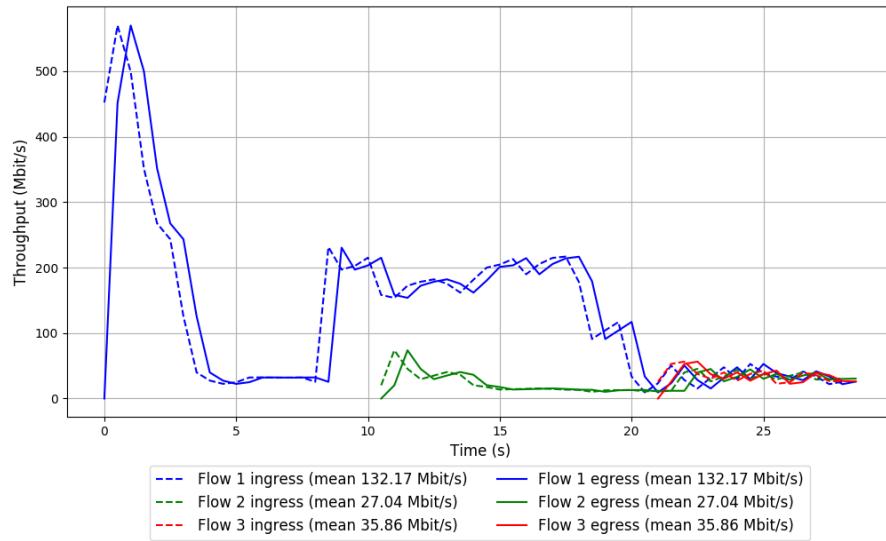


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 11:32:04
End at: 2019-07-18 11:32:34
Local clock offset: 4.728 ms
Remote clock offset: 4.377 ms

# Below is generated by plot.py at 2019-07-18 14:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.19 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.17 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

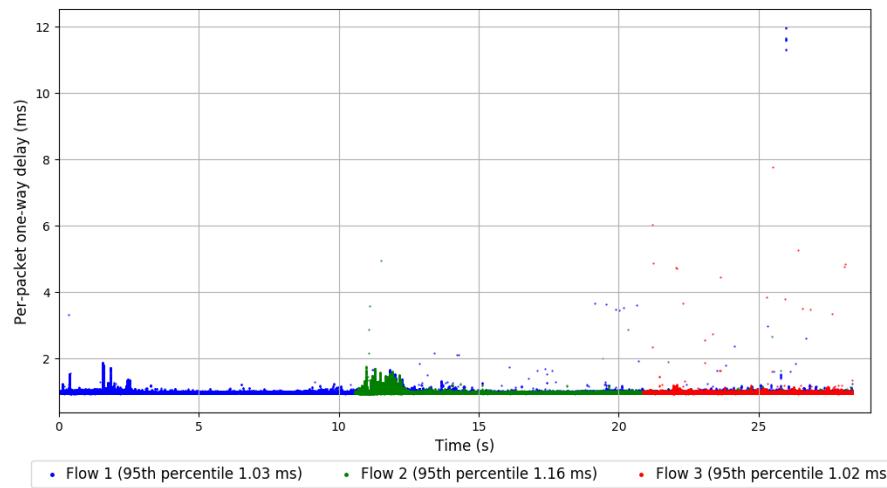
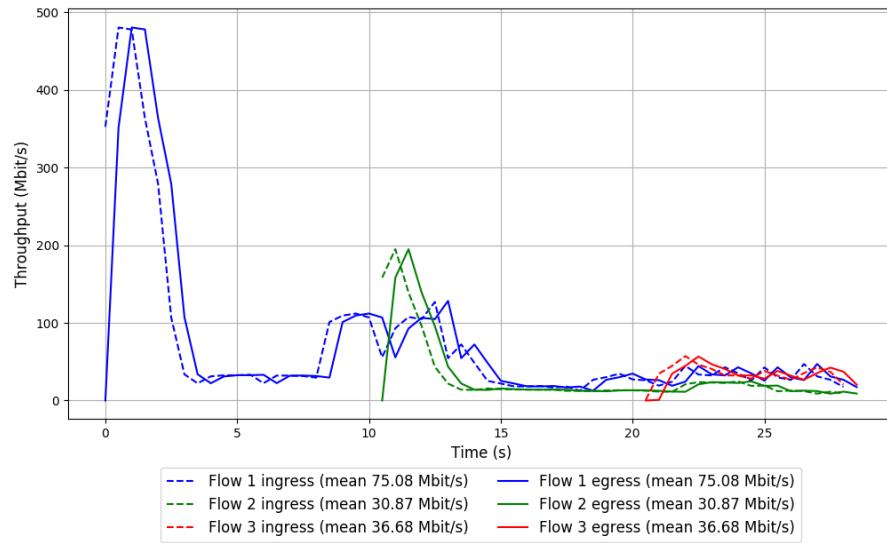


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 12:06:27
End at: 2019-07-18 12:06:57
Local clock offset: 3.796 ms
Remote clock offset: 3.345 ms

# Below is generated by plot.py at 2019-07-18 14:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.13 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 1.030 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo-MusesC5 — Data Link

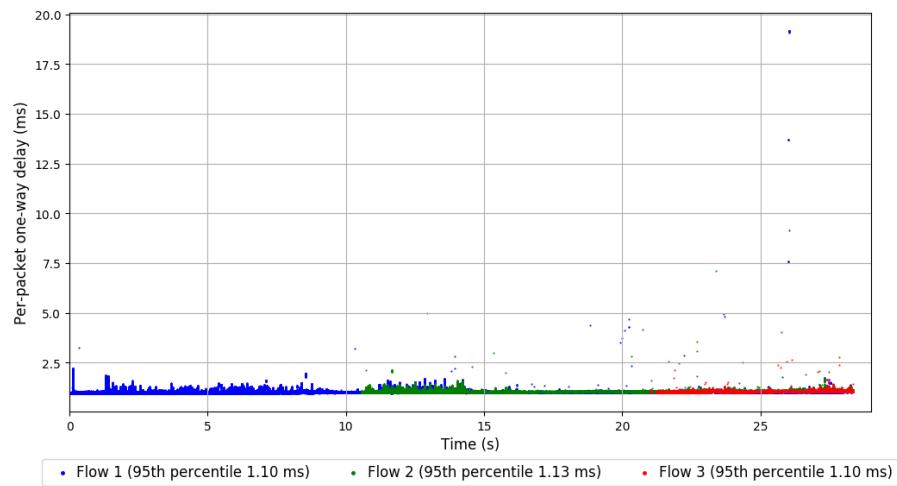
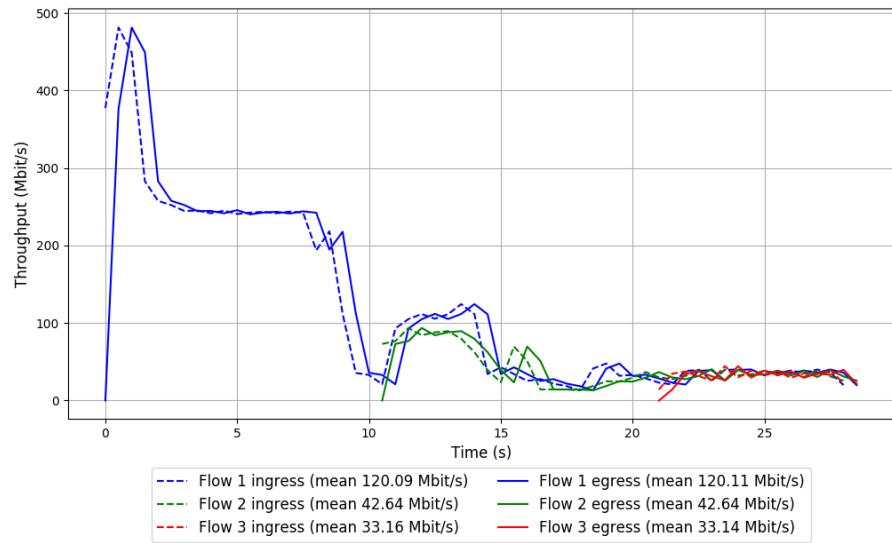


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 12:40:36
End at: 2019-07-18 12:41:06
Local clock offset: 0.996 ms
Remote clock offset: 3.086 ms

# Below is generated by plot.py at 2019-07-18 14:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.42 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.11 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
```

Run 4: Report of Indigo-MusesC5 — Data Link

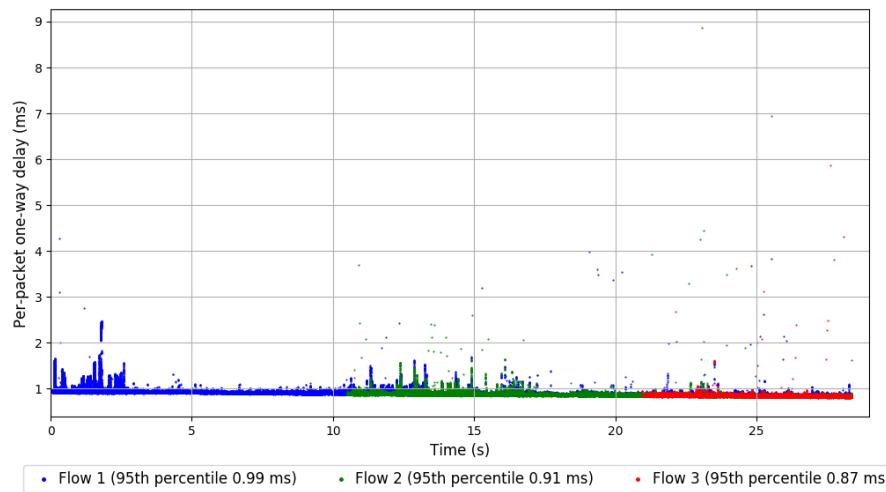
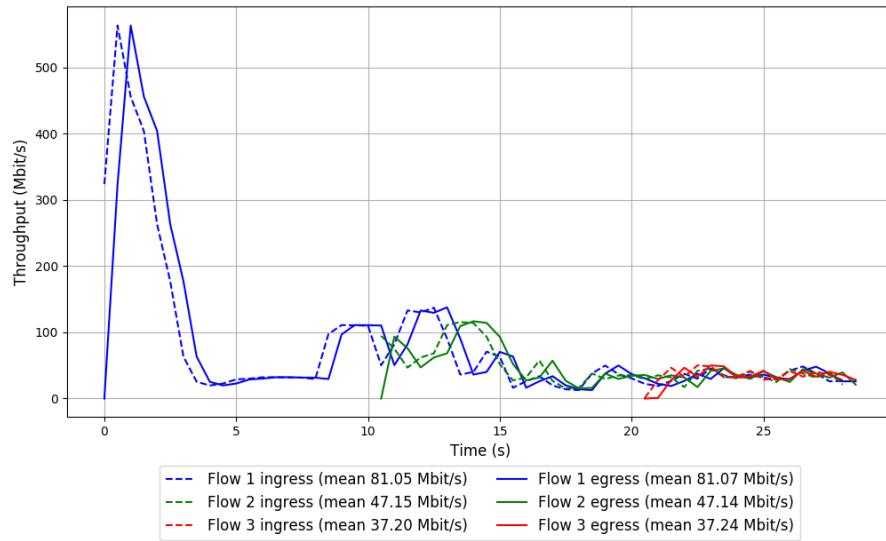


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-18 13:15:07
End at: 2019-07-18 13:15:37
Local clock offset: 0.214 ms
Remote clock offset: 2.133 ms

# Below is generated by plot.py at 2019-07-18 14:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.44 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 0.990 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 0.868 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-MusesC5 — Data Link

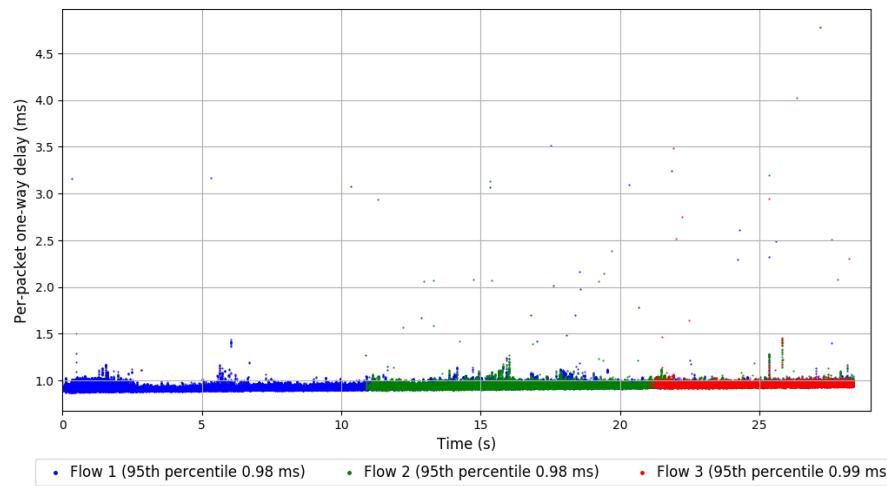
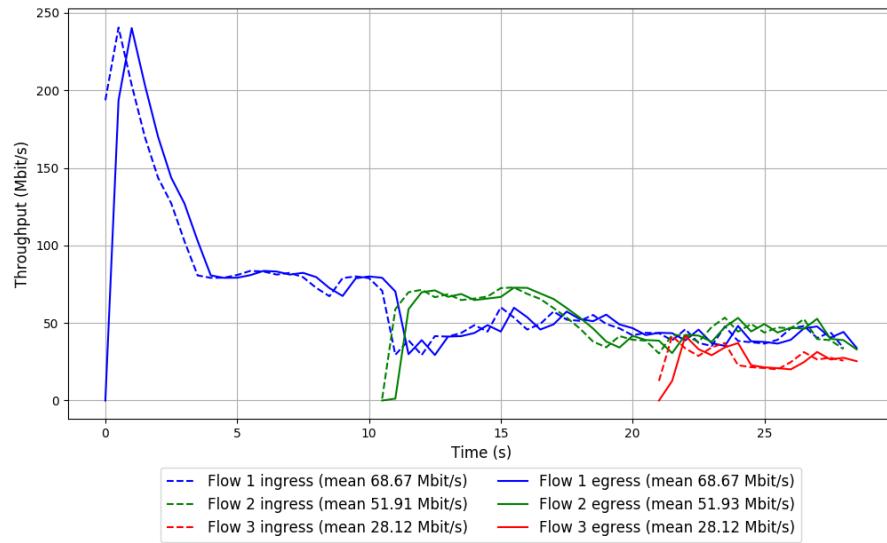


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 10:50:52
End at: 2019-07-18 10:51:22
Local clock offset: -2.11 ms
Remote clock offset: 4.902 ms

# Below is generated by plot.py at 2019-07-18 14:12:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 107.85 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 0.983 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo-MusesD — Data Link

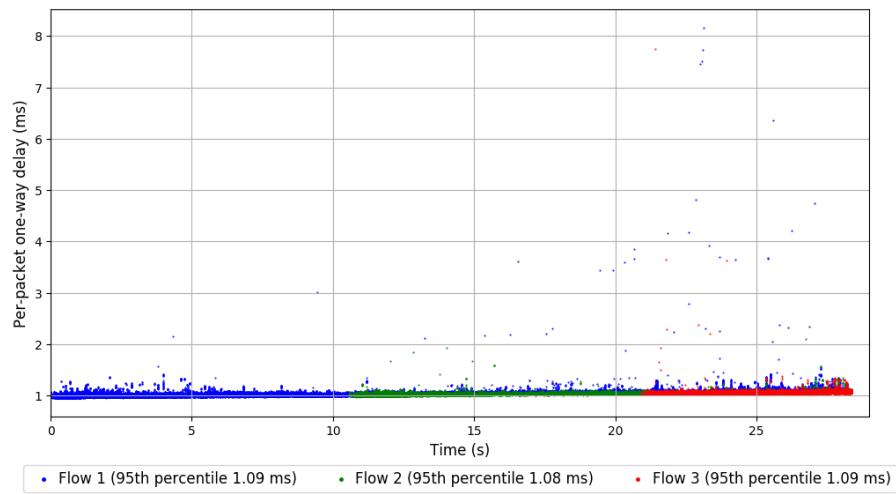
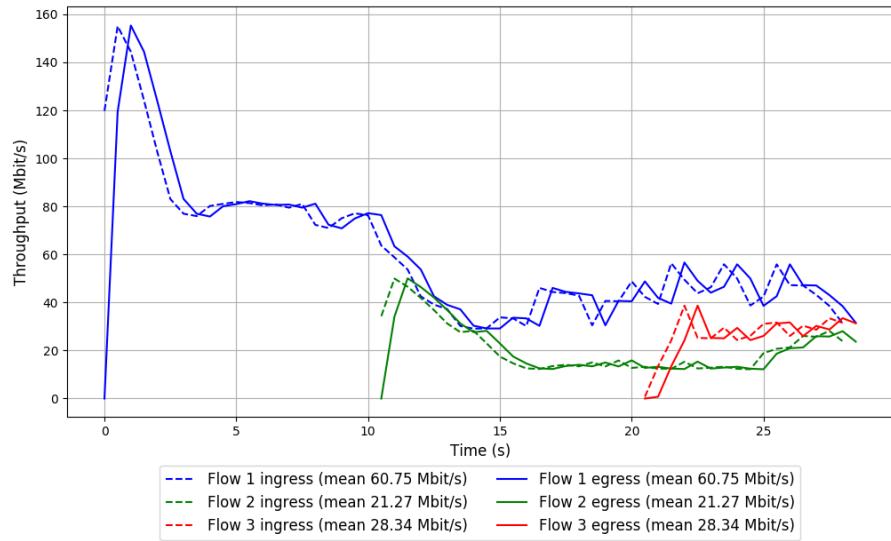


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 11:25:07
End at: 2019-07-18 11:25:37
Local clock offset: 5.638 ms
Remote clock offset: 4.672 ms

# Below is generated by plot.py at 2019-07-18 14:12:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo-MusesD — Data Link

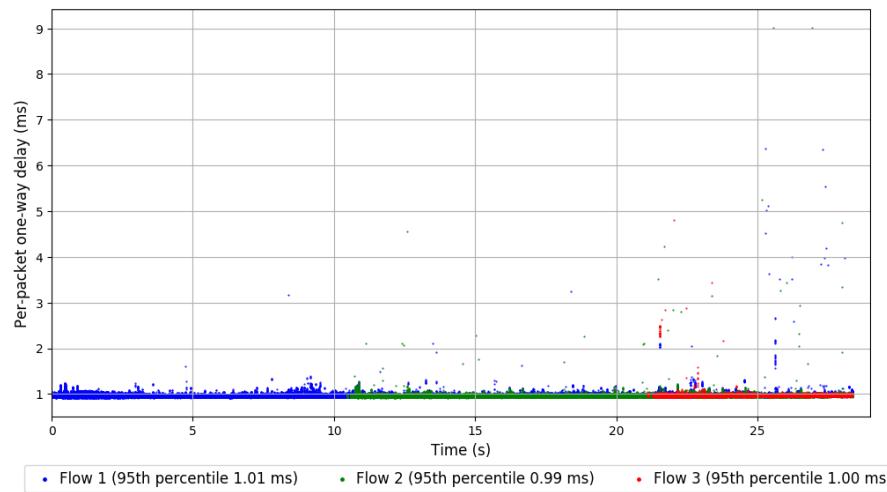
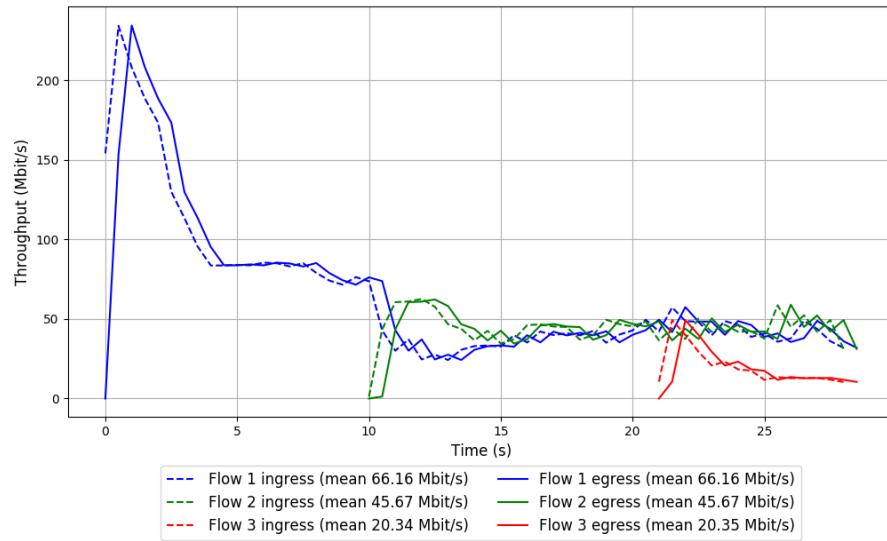


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 11:59:32
End at: 2019-07-18 12:00:02
Local clock offset: 4.074 ms
Remote clock offset: 3.411 ms

# Below is generated by plot.py at 2019-07-18 14:12:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.17 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.16 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo-MusesD — Data Link

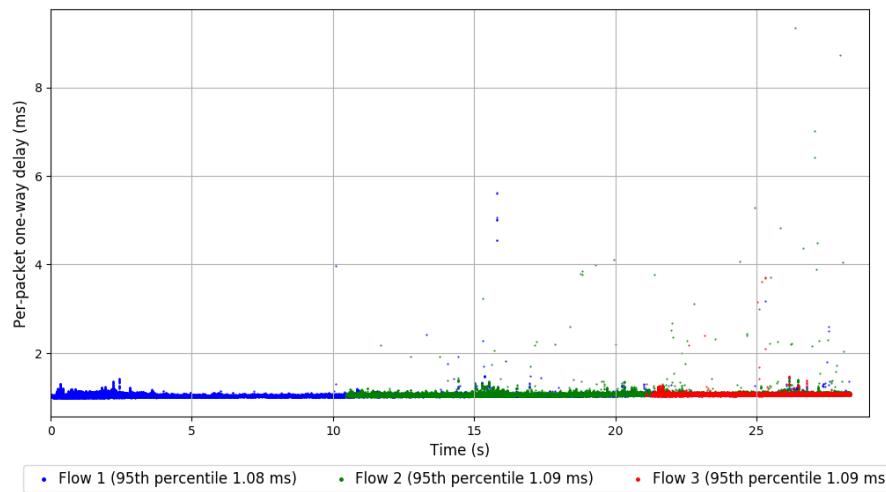
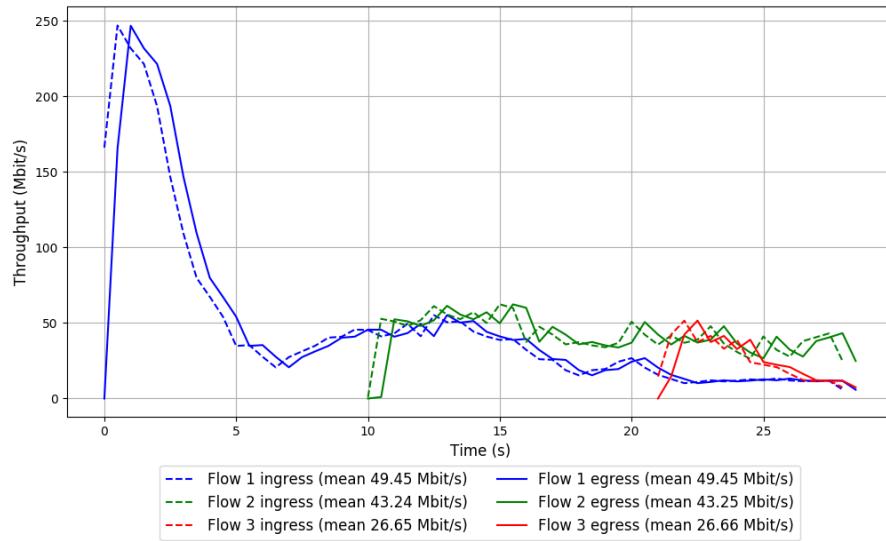


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 12:33:39
End at: 2019-07-18 12:34:09
Local clock offset: 1.74 ms
Remote clock offset: 3.045 ms

# Below is generated by plot.py at 2019-07-18 14:12:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesD — Data Link

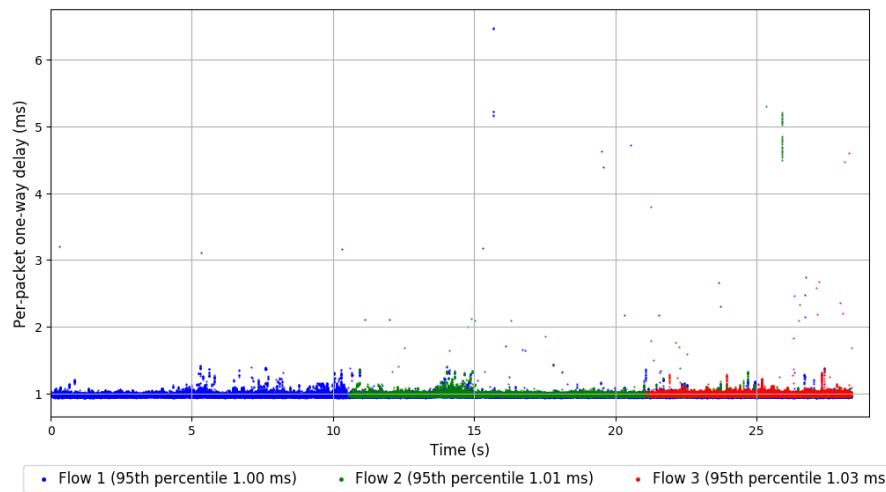
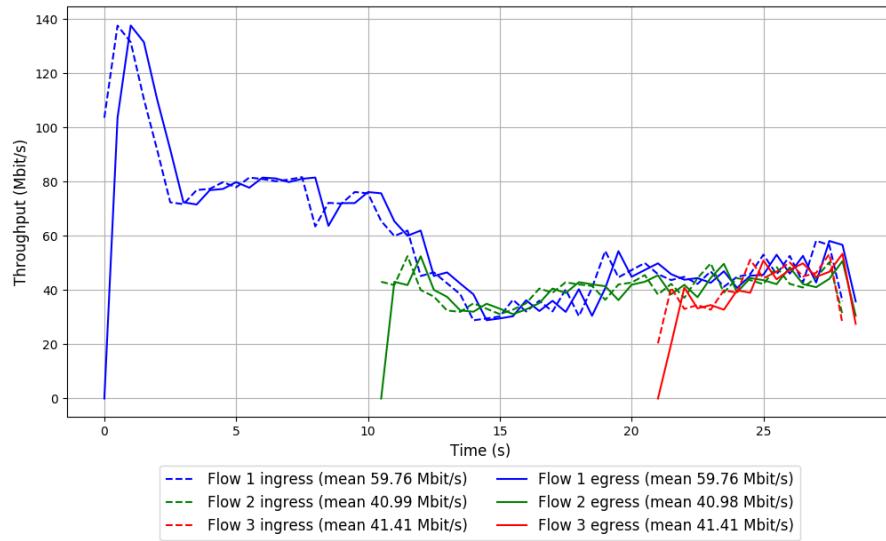


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-18 13:08:09
End at: 2019-07-18 13:08:39
Local clock offset: 0.32 ms
Remote clock offset: 3.101 ms

# Below is generated by plot.py at 2019-07-18 14:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesD — Data Link

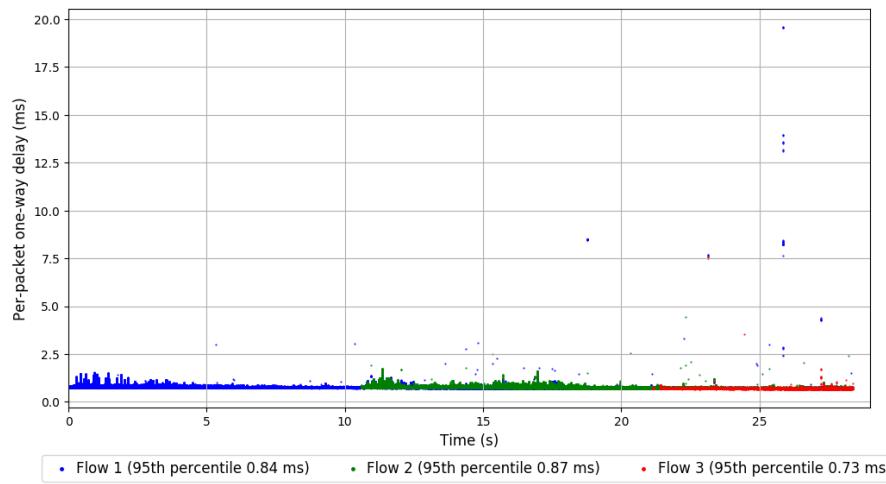
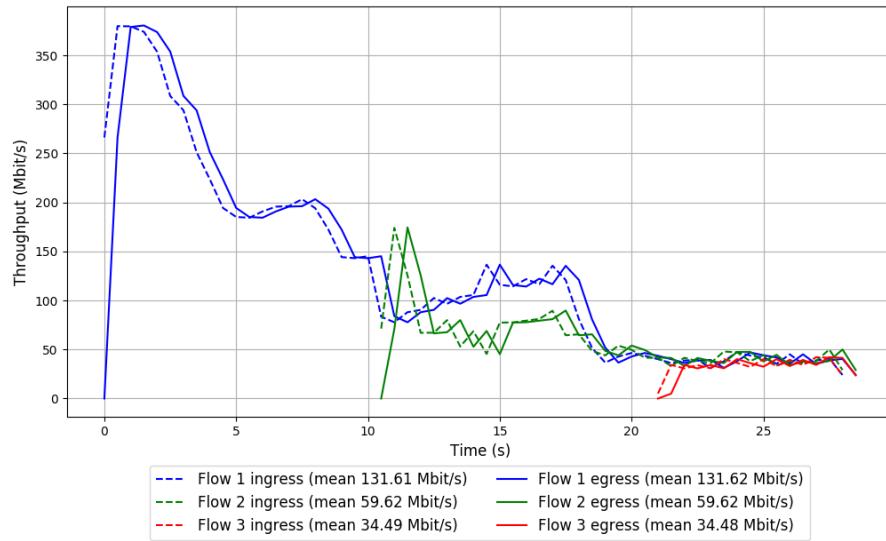


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 11:10:51
End at: 2019-07-18 11:11:21
Local clock offset: 4.095 ms
Remote clock offset: 4.45 ms

# Below is generated by plot.py at 2019-07-18 14:13:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 177.73 Mbit/s
95th percentile per-packet one-way delay: 0.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.62 Mbit/s
95th percentile per-packet one-way delay: 0.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 0.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 0.726 ms
Loss rate: 0.04%
```

Run 1: Report of Indigo-MusesT — Data Link

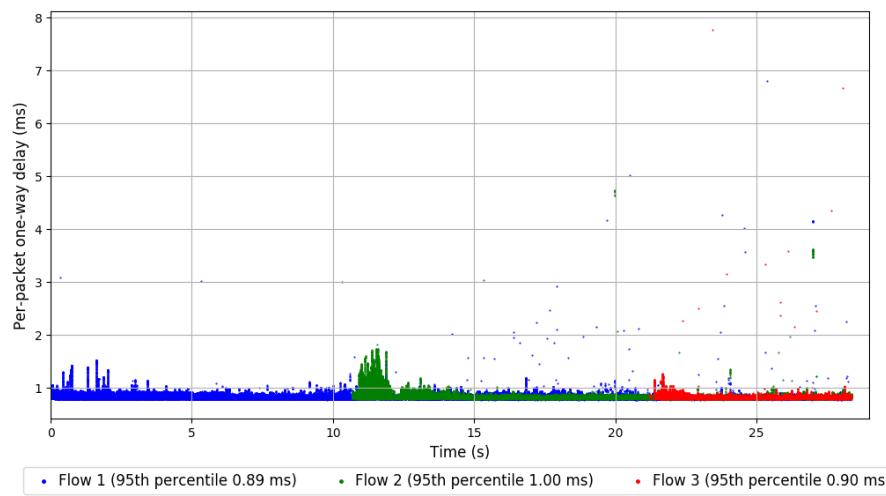
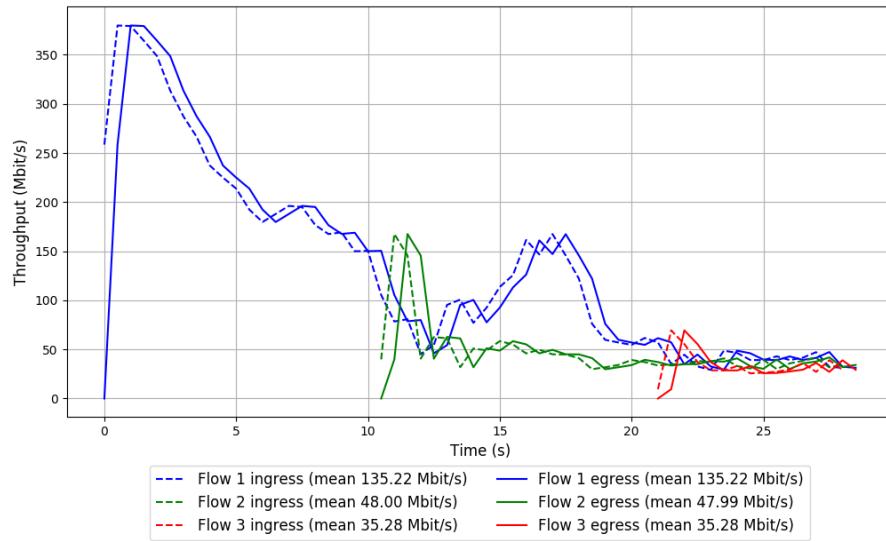


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 11:45:08
End at: 2019-07-18 11:45:38
Local clock offset: 4.368 ms
Remote clock offset: 3.707 ms

# Below is generated by plot.py at 2019-07-18 14:14:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.93 Mbit/s
95th percentile per-packet one-way delay: 0.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.22 Mbit/s
95th percentile per-packet one-way delay: 0.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 0.898 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesT — Data Link

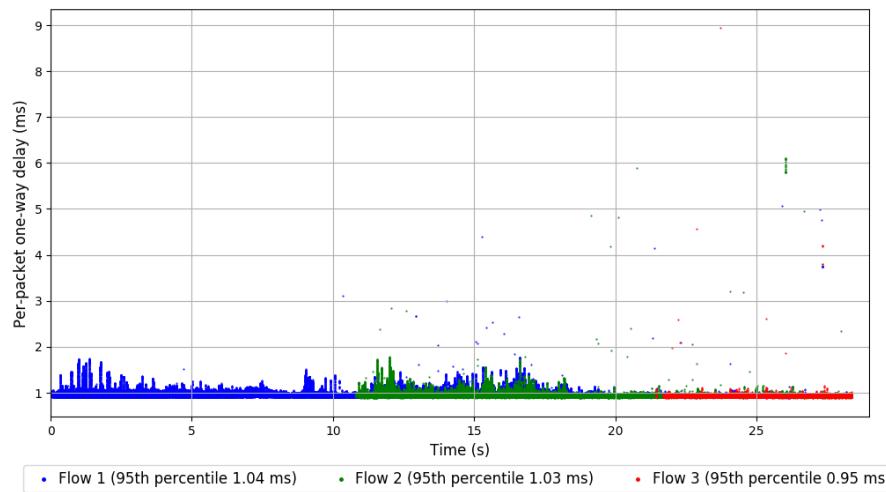
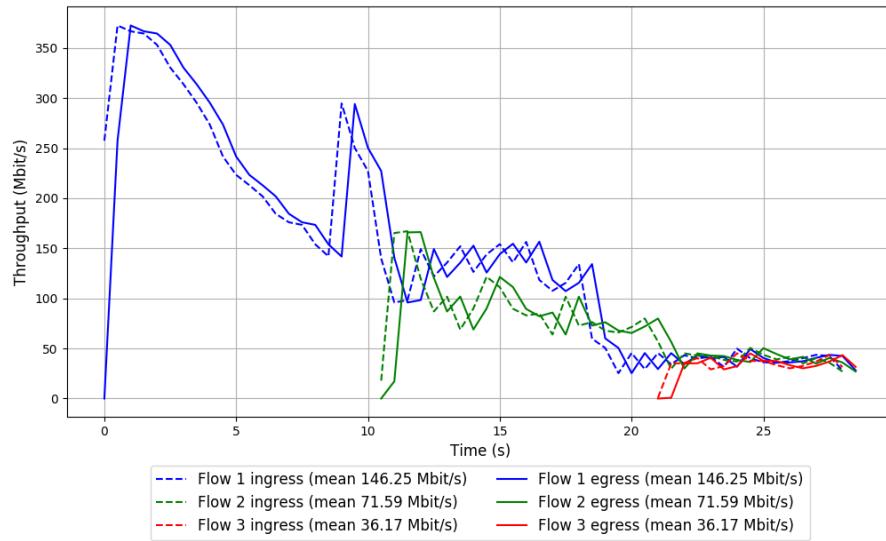


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 12:19:19
End at: 2019-07-18 12:19:49
Local clock offset: 3.658 ms
Remote clock offset: 3.257 ms

# Below is generated by plot.py at 2019-07-18 14:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.39 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.25 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesT — Data Link

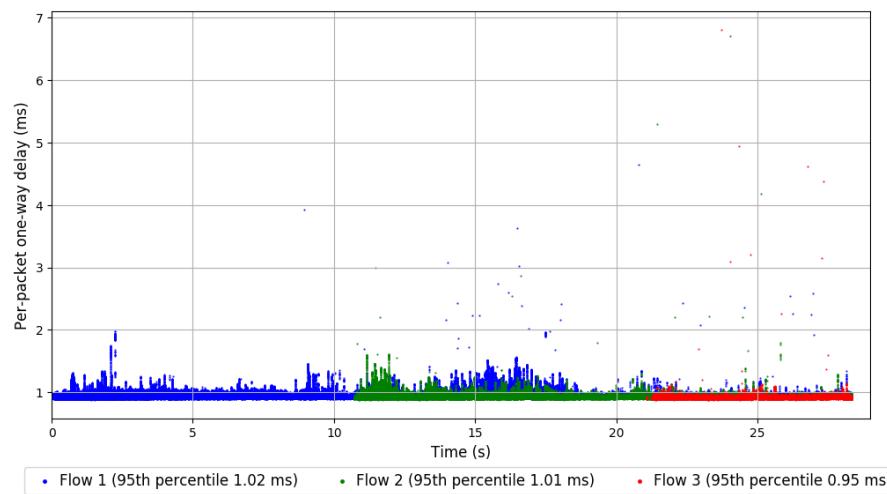
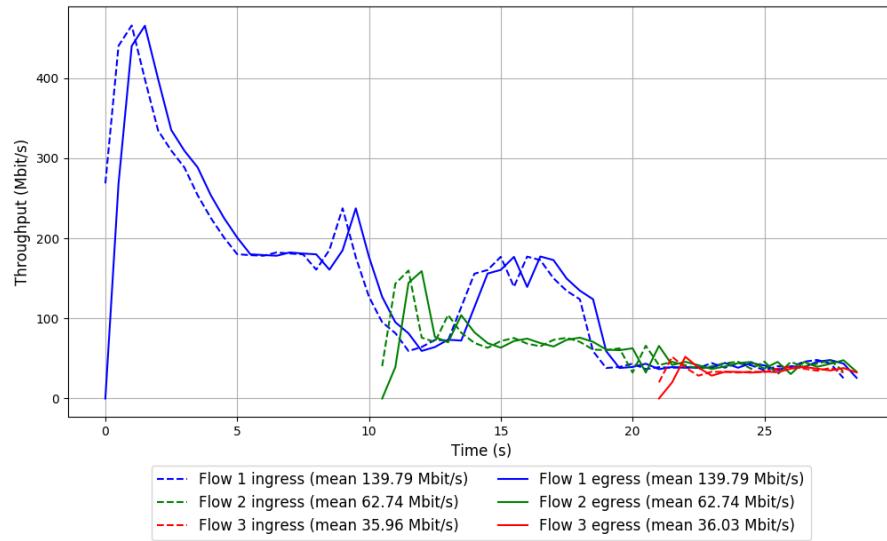


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 12:53:46
End at: 2019-07-18 12:54:16
Local clock offset: 0.223 ms
Remote clock offset: 3.293 ms

# Below is generated by plot.py at 2019-07-18 14:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.07 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.79 Mbit/s
95th percentile per-packet one-way delay: 1.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesT — Data Link

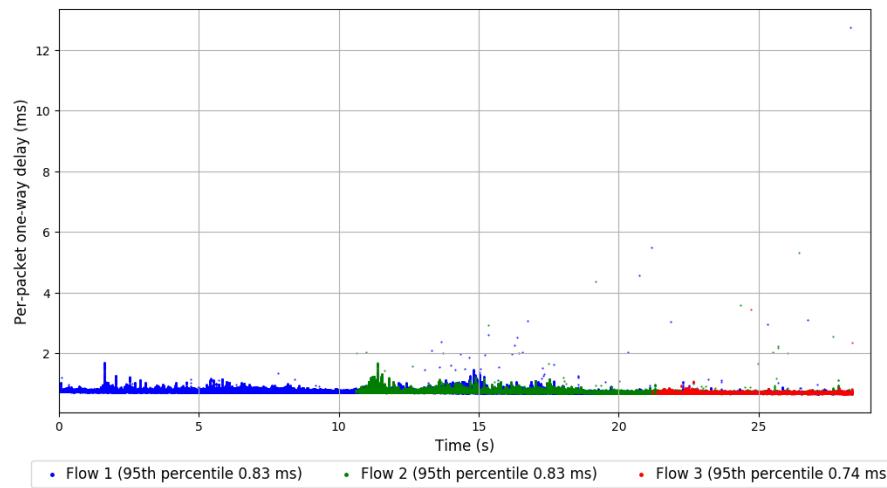
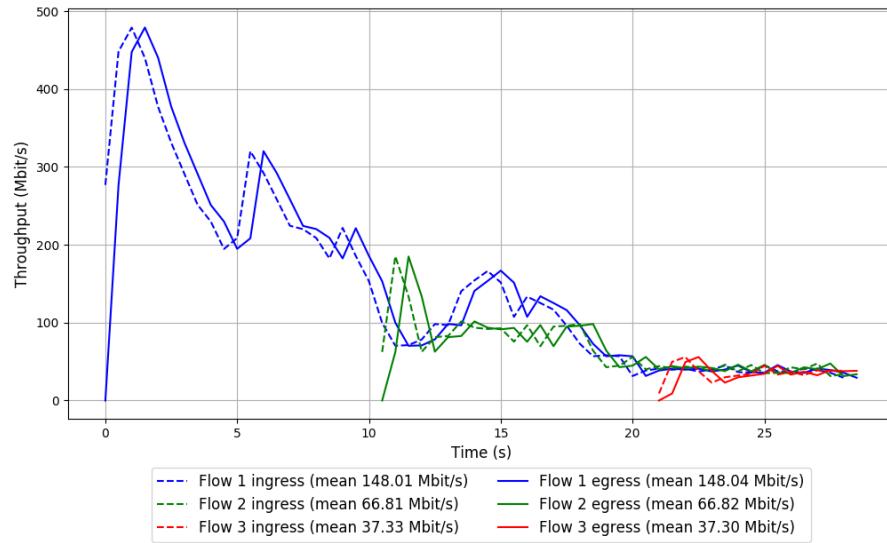


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-18 13:28:10
End at: 2019-07-18 13:28:40
Local clock offset: 0.264 ms
Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2019-07-18 14:14:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.23 Mbit/s
95th percentile per-packet one-way delay: 0.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.04 Mbit/s
95th percentile per-packet one-way delay: 0.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 0.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 0.742 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-MusesT — Data Link

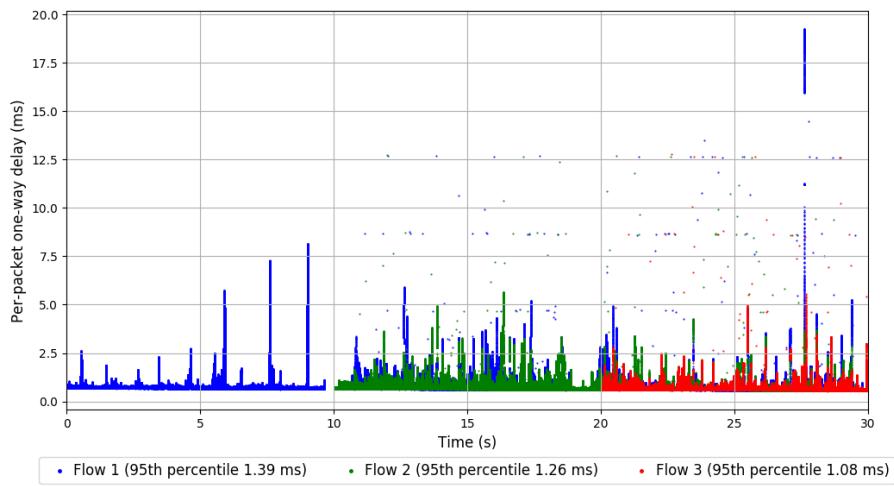
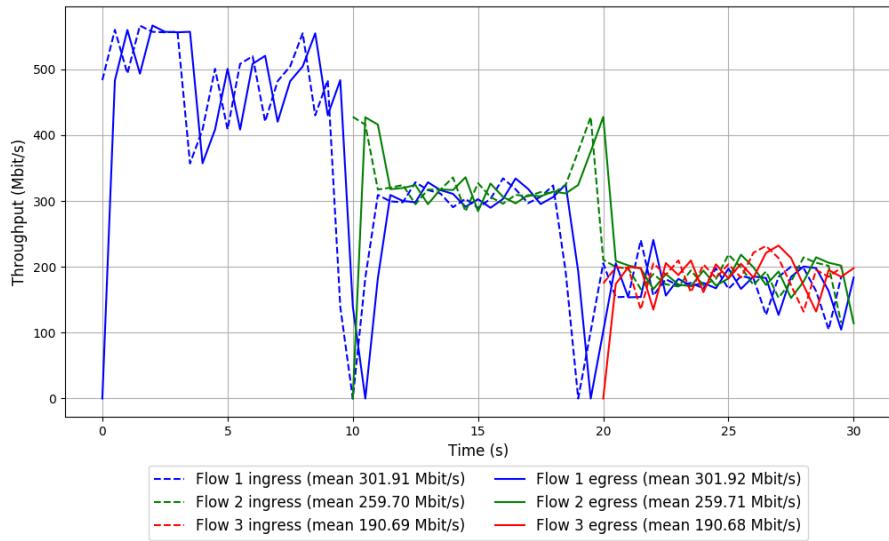


```
Run 1: Statistics of LEDBAT

Start at: 2019-07-18 11:06:01
End at: 2019-07-18 11:06:31
Local clock offset: 3.054 ms
Remote clock offset: 4.482 ms

# Below is generated by plot.py at 2019-07-18 14:18:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 538.01 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 301.92 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 259.71 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 190.68 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

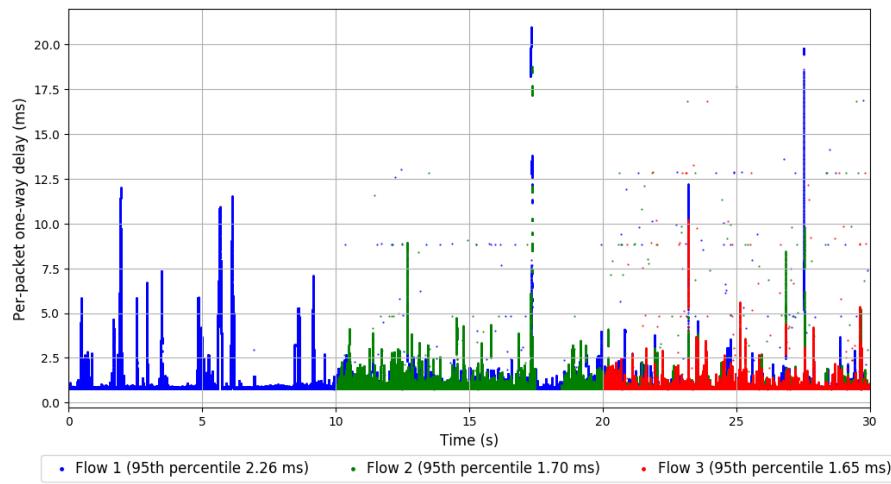
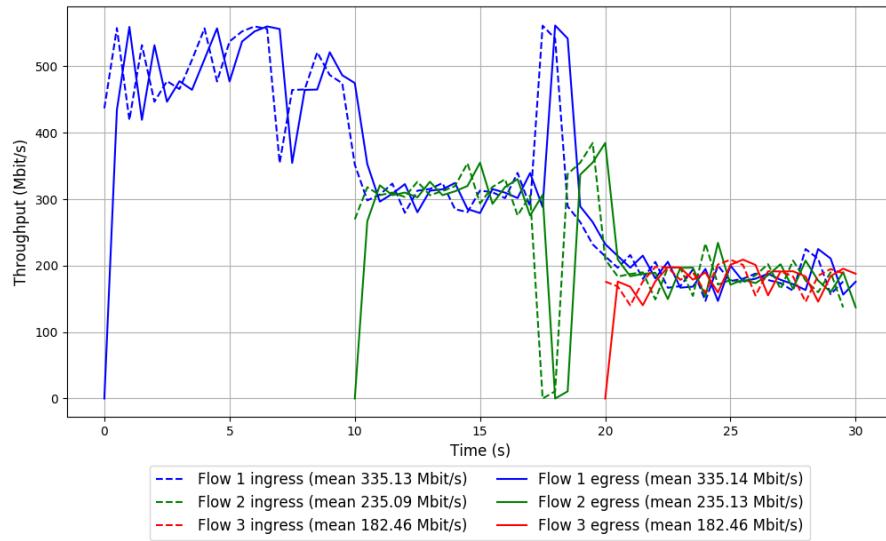


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-18 11:40:16
End at: 2019-07-18 11:40:46
Local clock offset: 4.384 ms
Remote clock offset: 3.868 ms

# Below is generated by plot.py at 2019-07-18 14:19:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.29 Mbit/s
95th percentile per-packet one-way delay: 1.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 335.14 Mbit/s
95th percentile per-packet one-way delay: 2.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 1.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.46 Mbit/s
95th percentile per-packet one-way delay: 1.653 ms
Loss rate: 0.02%
```

Run 2: Report of LEDBAT — Data Link

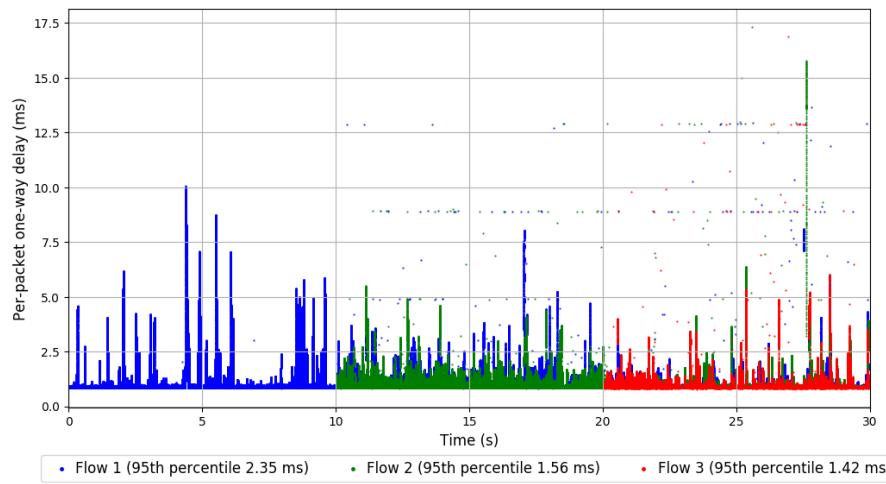
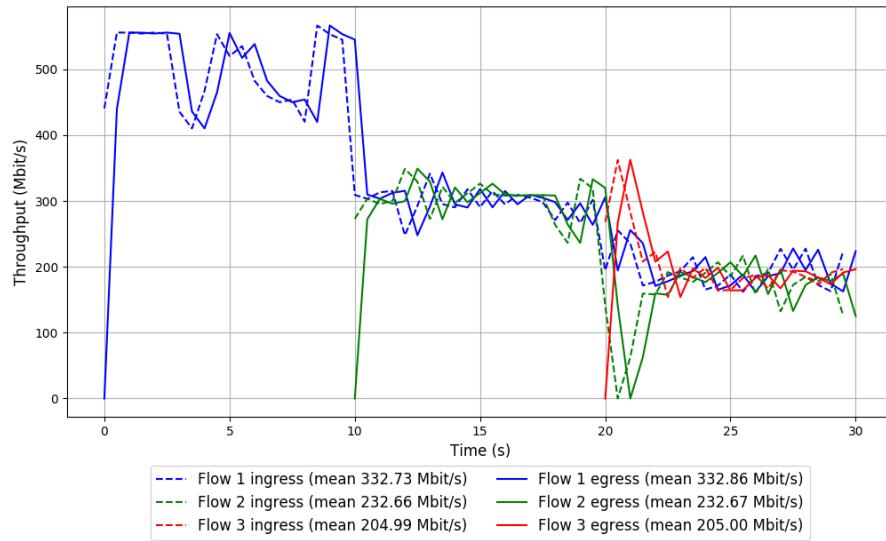


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-18 12:14:28
End at: 2019-07-18 12:14:58
Local clock offset: 3.68 ms
Remote clock offset: 3.372 ms

# Below is generated by plot.py at 2019-07-18 14:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.71 Mbit/s
95th percentile per-packet one-way delay: 1.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 332.86 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.67 Mbit/s
95th percentile per-packet one-way delay: 1.559 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 205.00 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

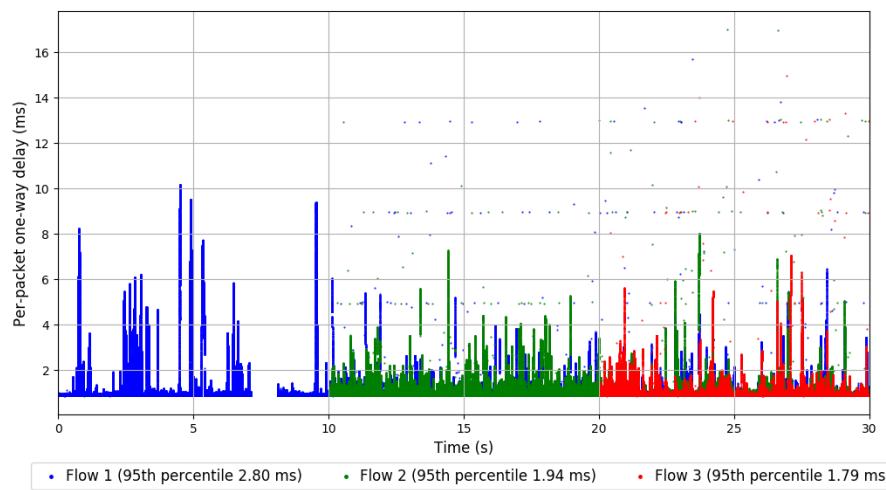
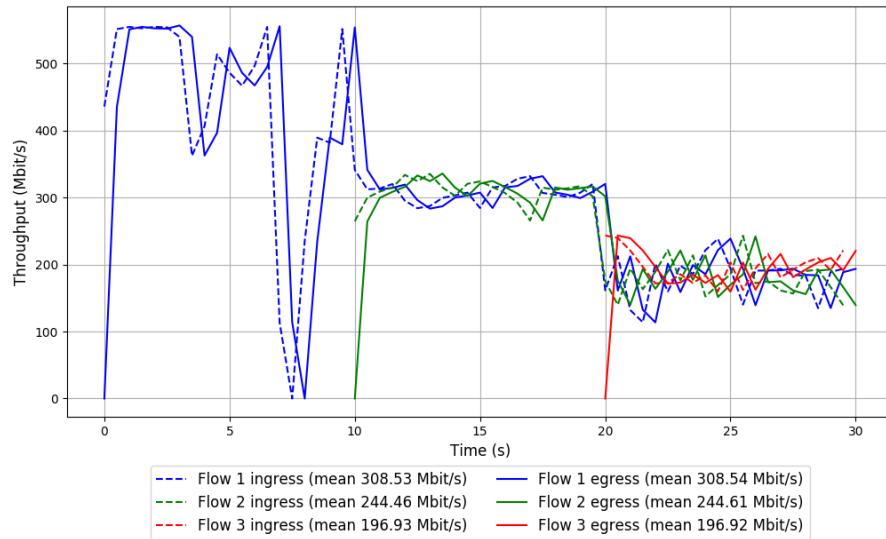


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-18 12:48:54
End at: 2019-07-18 12:49:24
Local clock offset: 0.478 ms
Remote clock offset: 3.307 ms

# Below is generated by plot.py at 2019-07-18 14:20:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 536.71 Mbit/s
95th percentile per-packet one-way delay: 2.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.54 Mbit/s
95th percentile per-packet one-way delay: 2.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.61 Mbit/s
95th percentile per-packet one-way delay: 1.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.92 Mbit/s
95th percentile per-packet one-way delay: 1.794 ms
Loss rate: 0.02%
```

Run 4: Report of LEDBAT — Data Link

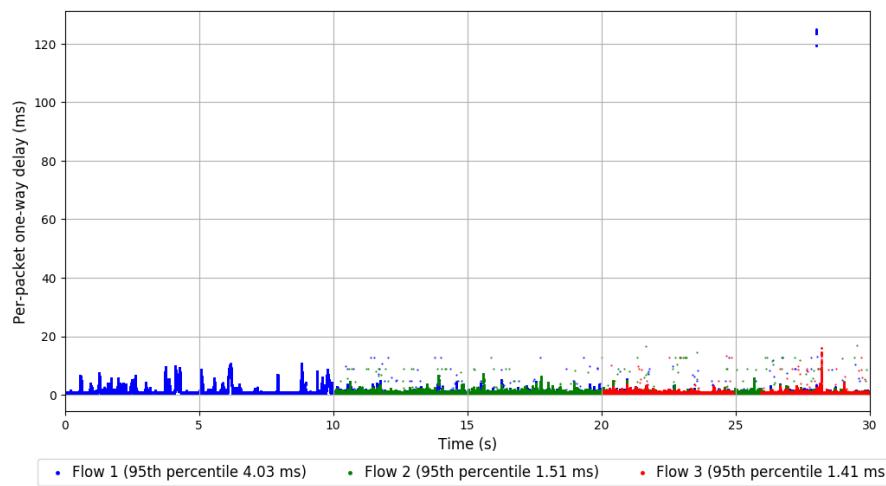
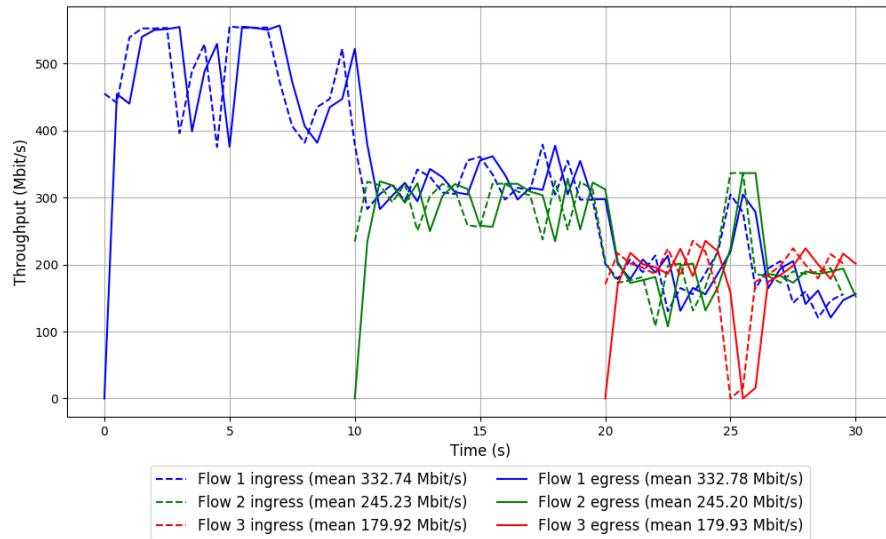


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-18 13:23:17
End at: 2019-07-18 13:23:47
Local clock offset: 0.036 ms
Remote clock offset: 0.801 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.66 Mbit/s
95th percentile per-packet one-way delay: 2.869 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 332.78 Mbit/s
95th percentile per-packet one-way delay: 4.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.20 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

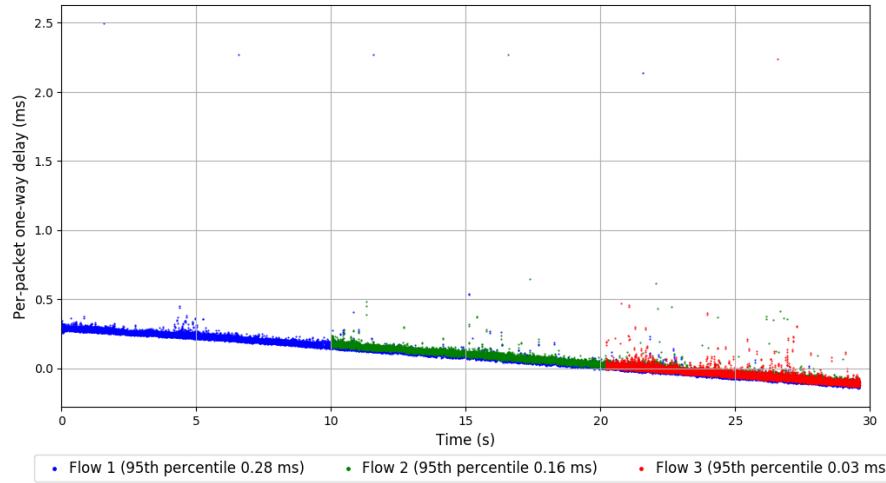
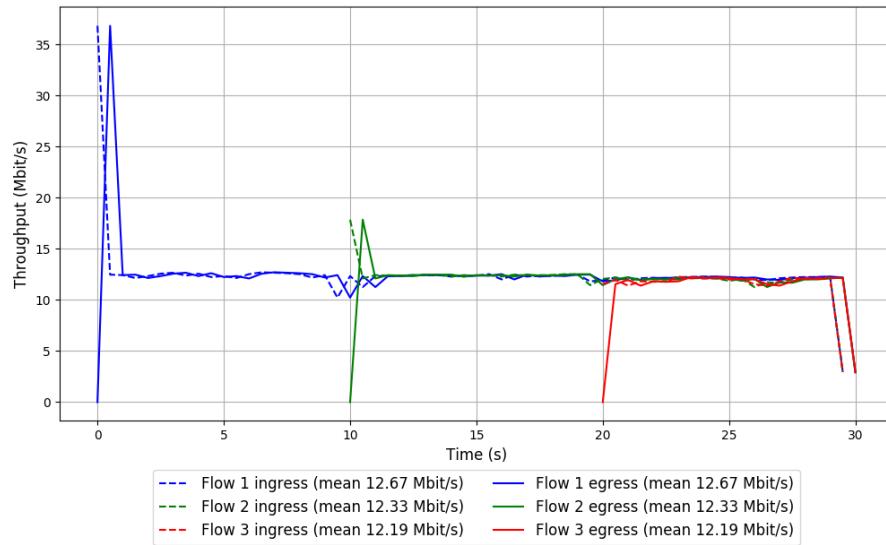


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 10:55:05
End at: 2019-07-18 10:55:35
Local clock offset: -2.403 ms
Remote clock offset: 5.072 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 0.267 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 0.281 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 0.164 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 0.025 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link

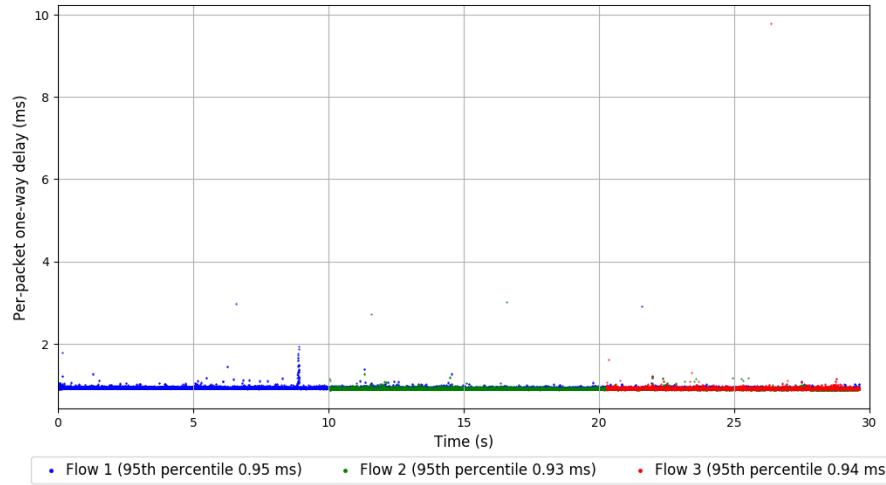
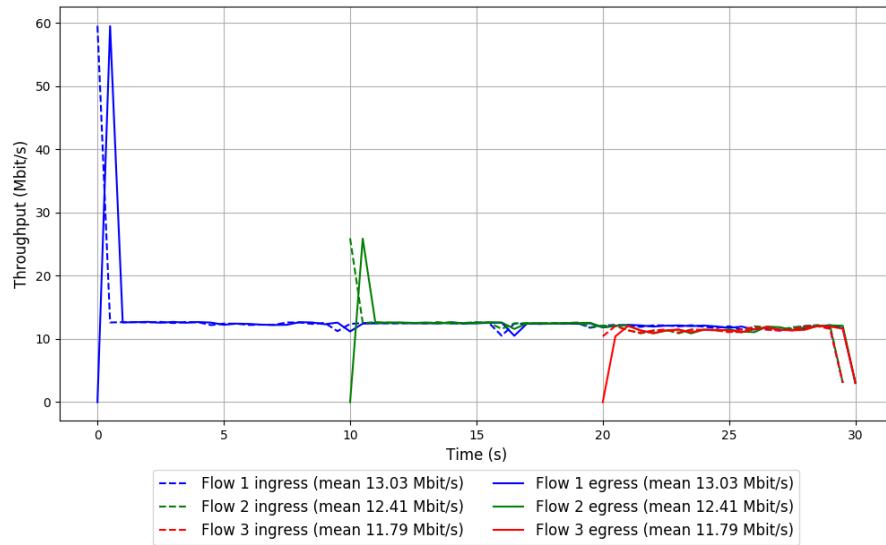


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 11:29:20
End at: 2019-07-18 11:29:50
Local clock offset: 4.987 ms
Remote clock offset: 4.789 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 0.927 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.02%
```

Run 2: Report of Muses_DecisionTree — Data Link

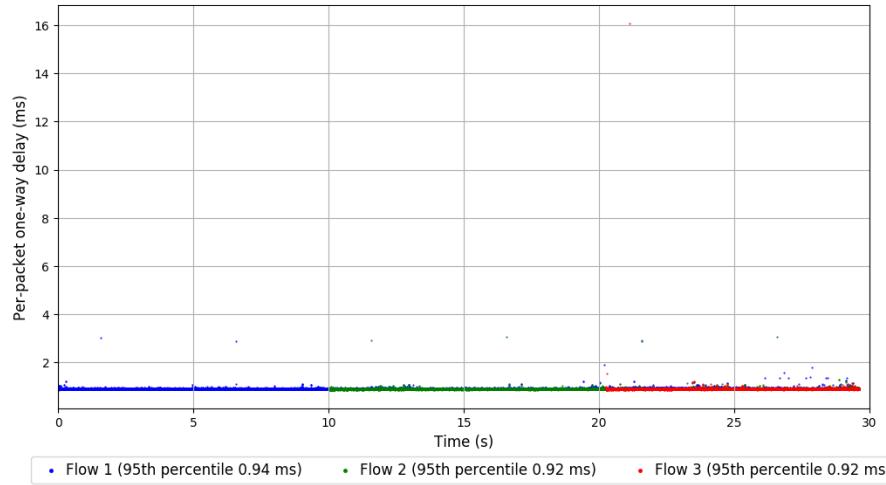
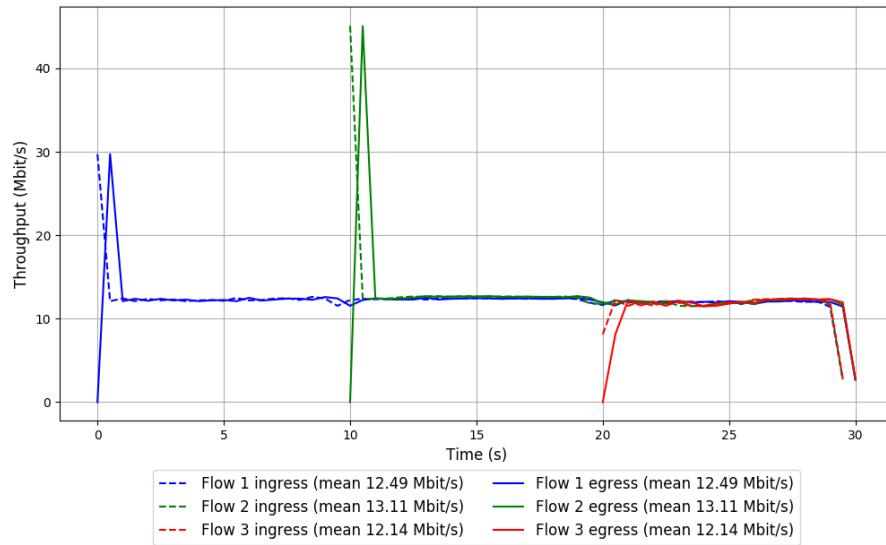


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 12:03:43
End at: 2019-07-18 12:04:13
Local clock offset: 3.875 ms
Remote clock offset: 3.437 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 0.931 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 0.919 ms
Loss rate: 0.02%
```

Run 3: Report of Muses_DecisionTree — Data Link

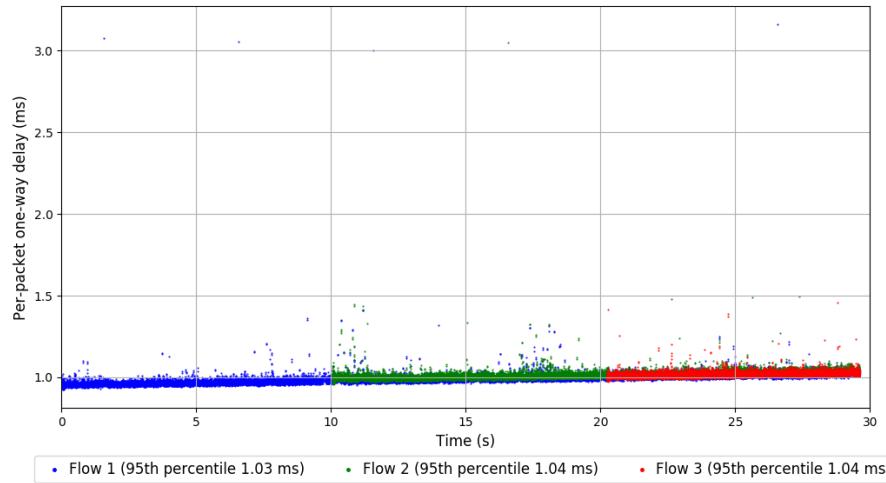
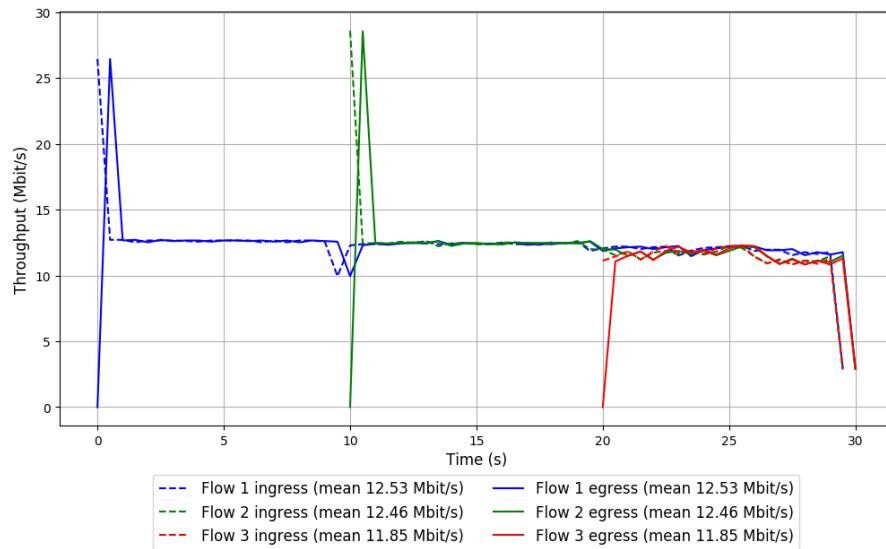


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 12:37:52
End at: 2019-07-18 12:38:22
Local clock offset: 1.212 ms
Remote clock offset: 2.993 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTree — Data Link

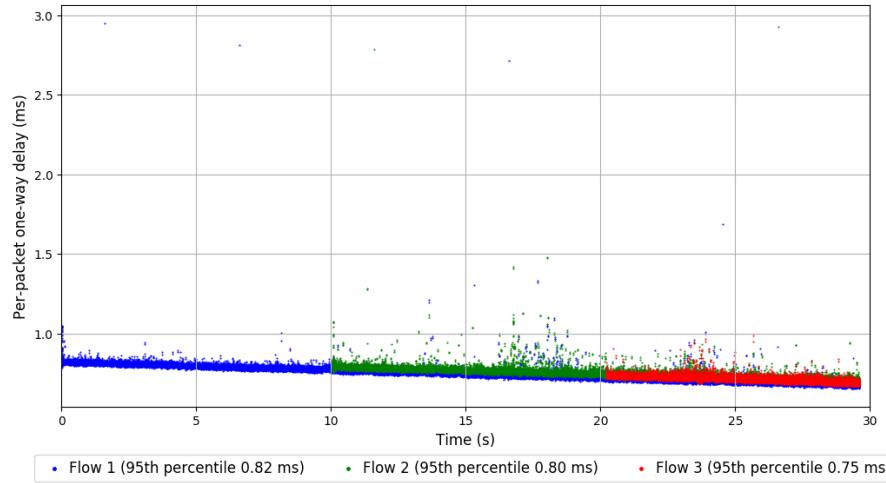
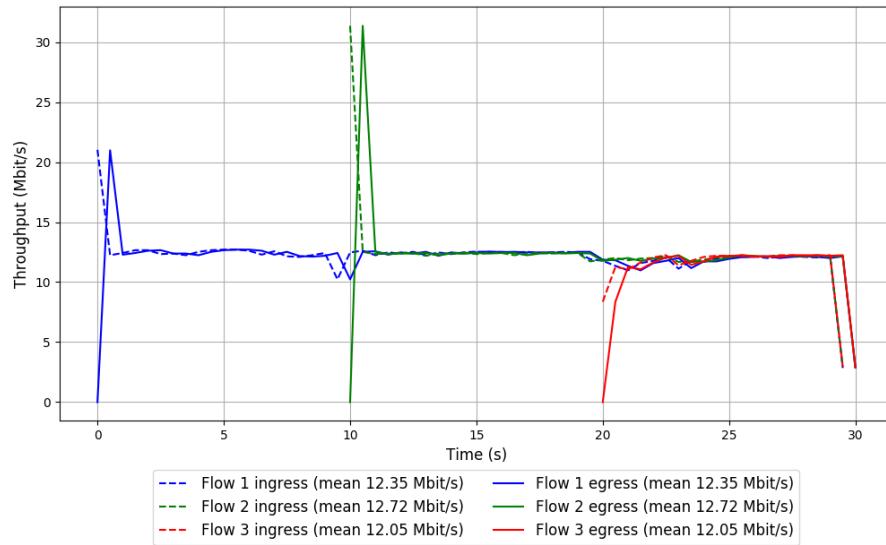


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-18 13:12:22
End at: 2019-07-18 13:12:52
Local clock offset: 0.265 ms
Remote clock offset: 3.004 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 0.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 0.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 0.798 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 0.750 ms
Loss rate: 0.02%
```

Run 5: Report of Muses_DecisionTree — Data Link

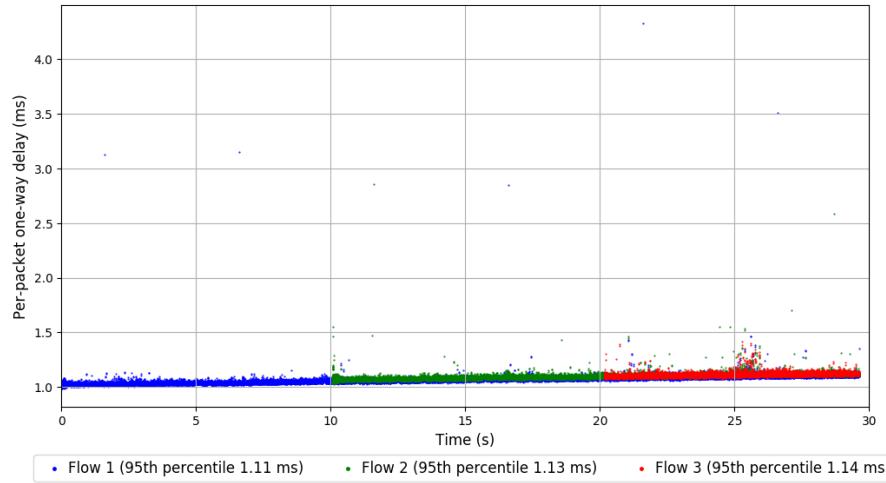
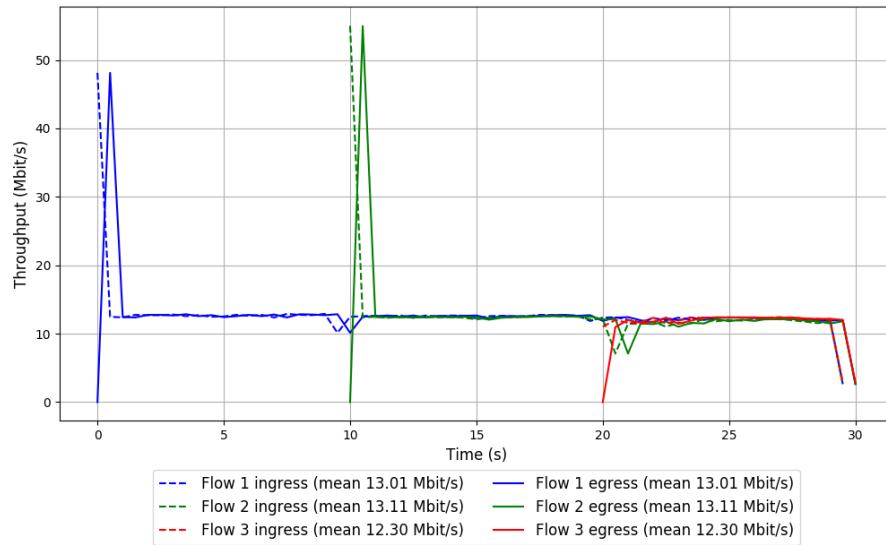


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 10:42:31
End at: 2019-07-18 10:43:01
Local clock offset: -1.148 ms
Remote clock offset: 4.556 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.02%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

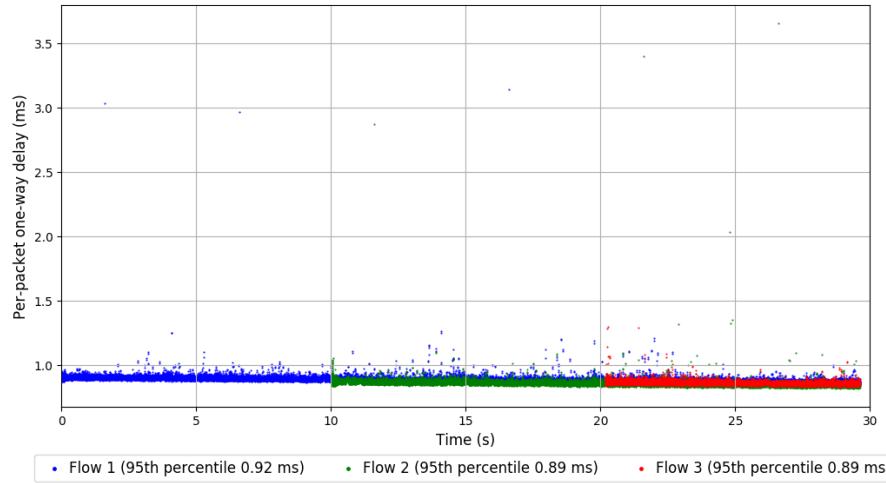
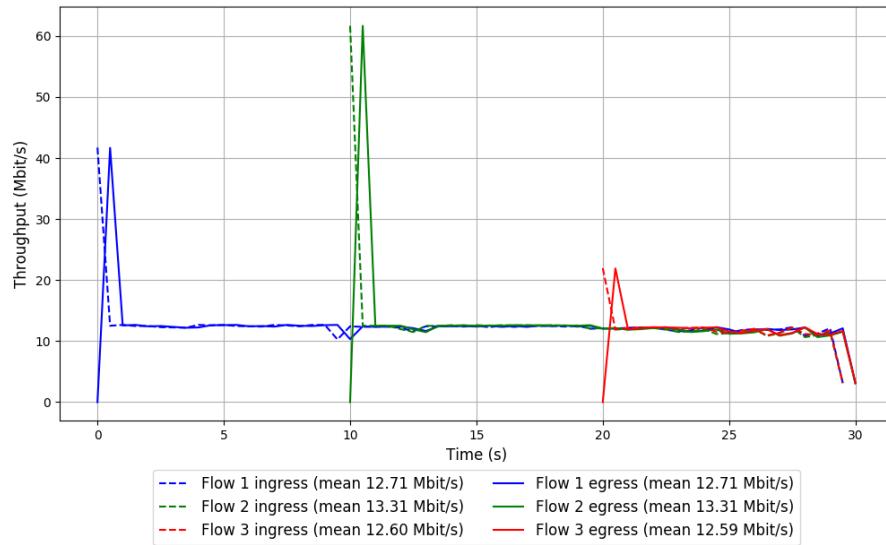


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 11:16:48
End at: 2019-07-18 11:17:18
Local clock offset: 4.954 ms
Remote clock offset: 4.455 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 0.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 0.892 ms
Loss rate: 0.01%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

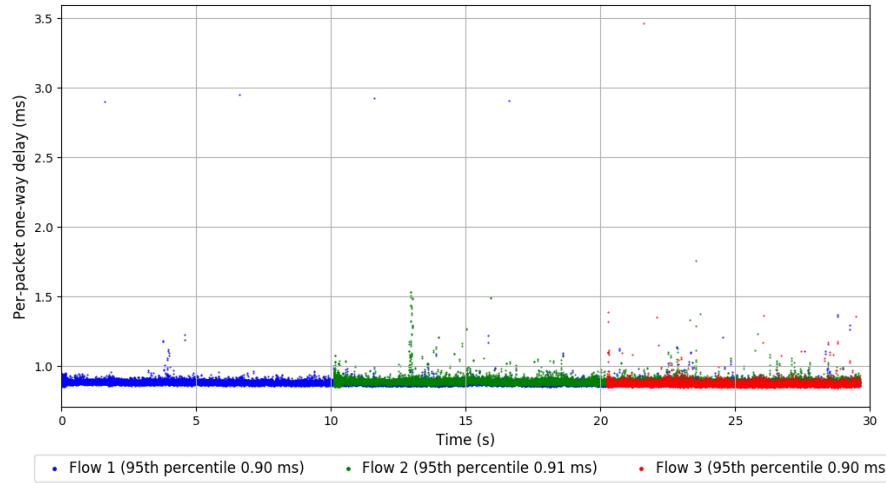
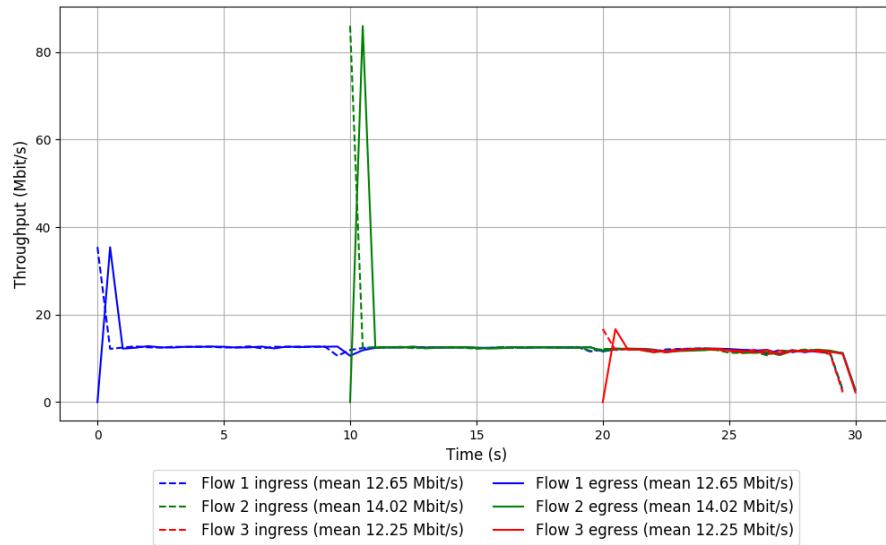


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 11:51:11
End at: 2019-07-18 11:51:41
Local clock offset: 4.424 ms
Remote clock offset: 3.559 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 0.905 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 14.02 Mbit/s
95th percentile per-packet one-way delay: 0.912 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 0.895 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

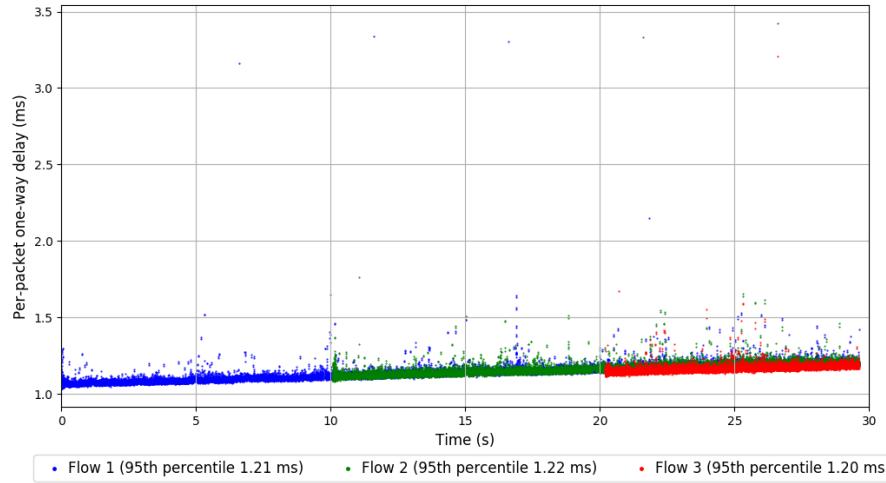
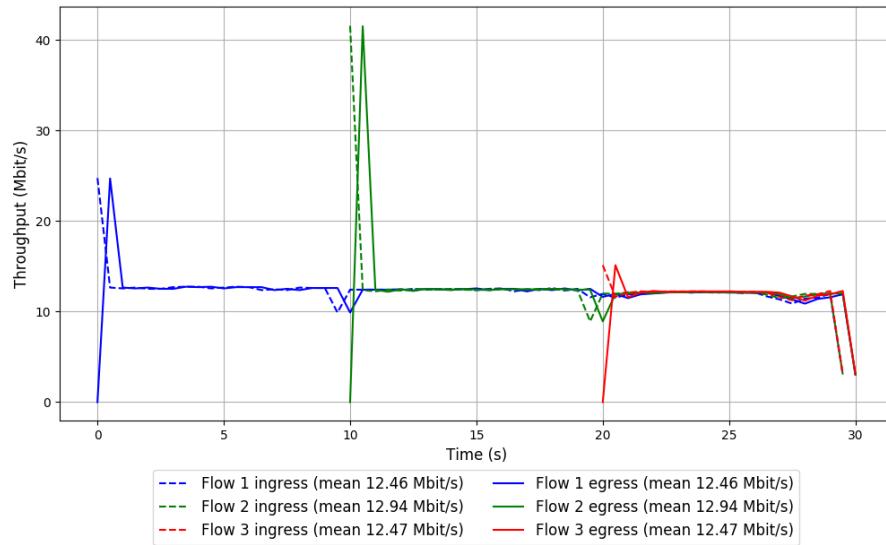


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 12:25:19
End at: 2019-07-18 12:25:49
Local clock offset: 3.518 ms
Remote clock offset: 3.239 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.02%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

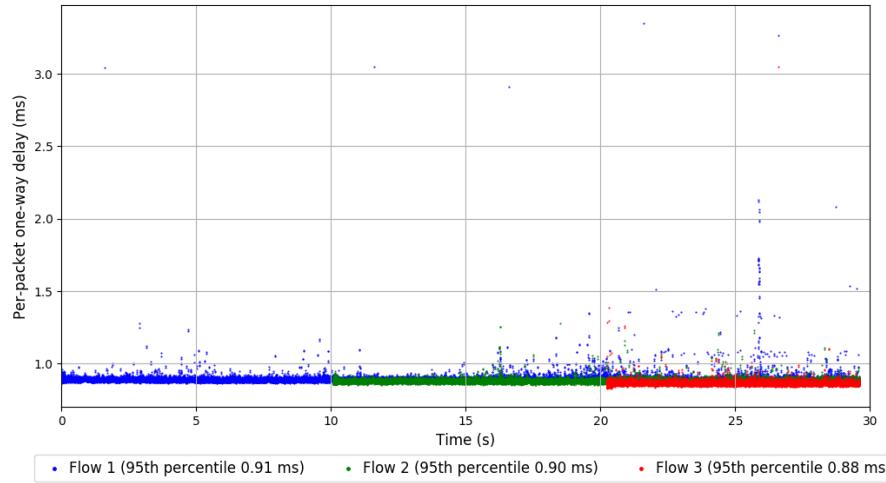
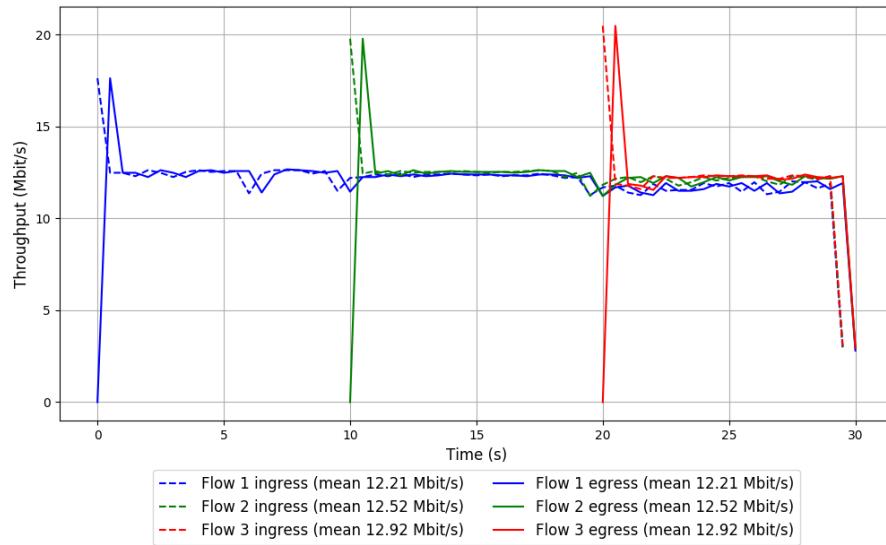


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-18 12:59:49
End at: 2019-07-18 13:00:19
Local clock offset: 0.313 ms
Remote clock offset: 3.288 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 0.905 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 0.912 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 0.896 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 0.884 ms
Loss rate: 0.02%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

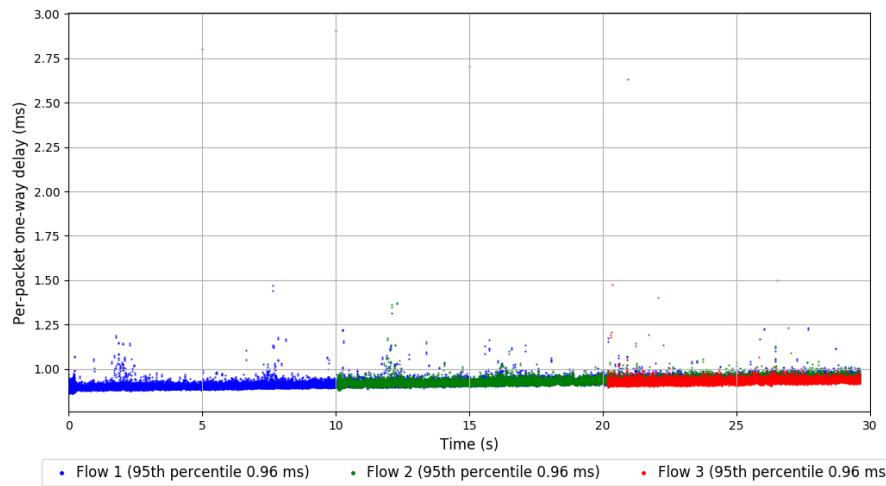
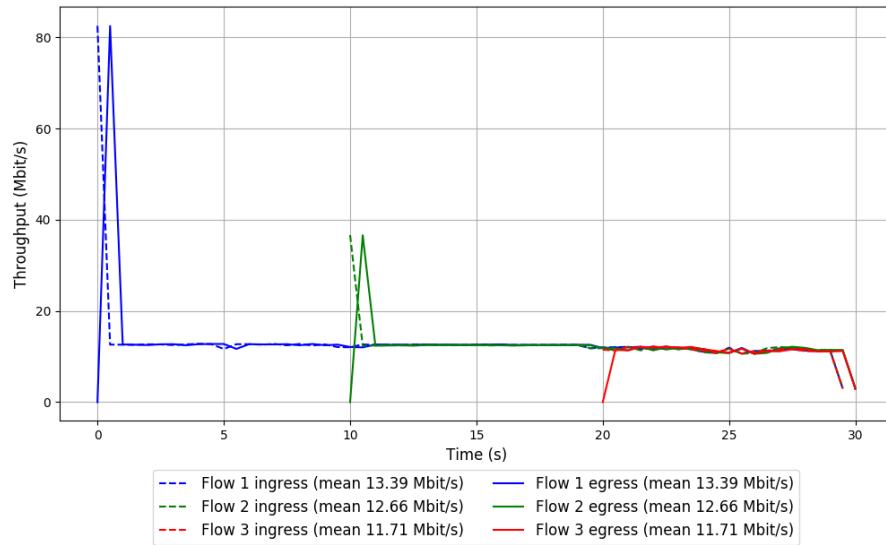


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 10:53:50
End at: 2019-07-18 10:54:20
Local clock offset: -2.337 ms
Remote clock offset: 5.043 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 0.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.02%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

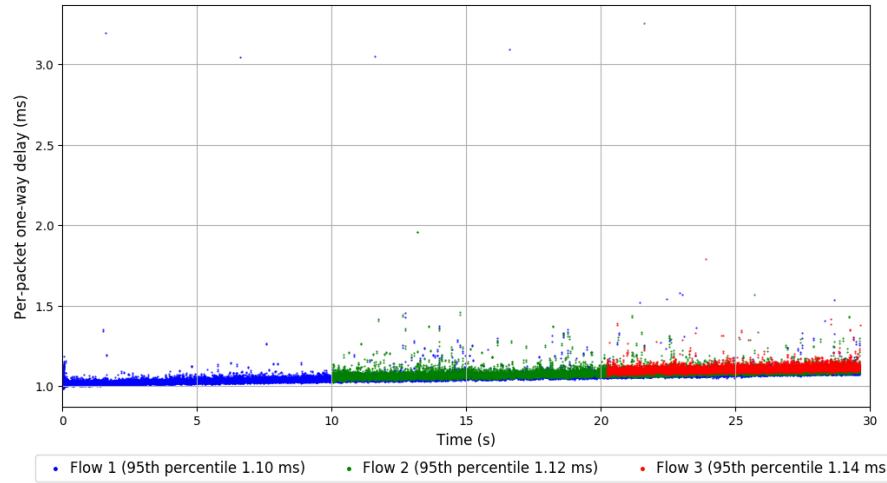
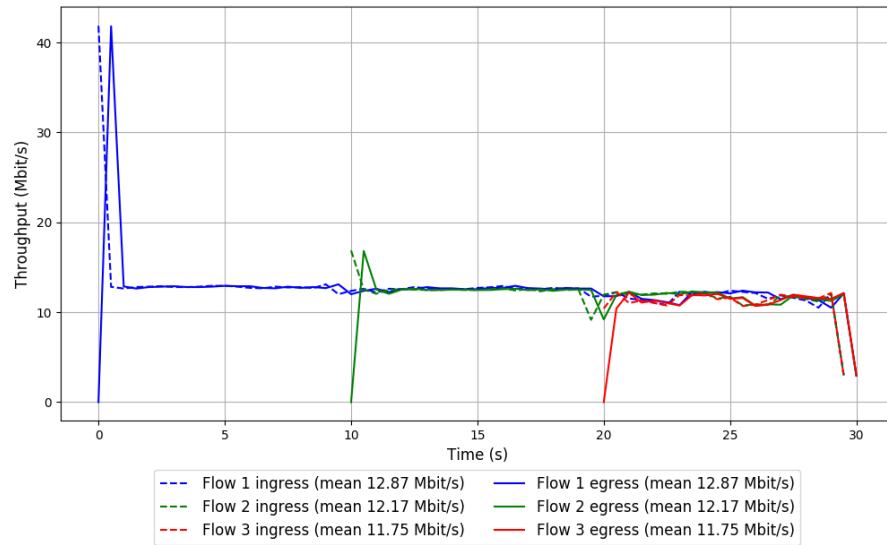


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 11:28:05
End at: 2019-07-18 11:28:35
Local clock offset: 5.148 ms
Remote clock offset: 4.662 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.01%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

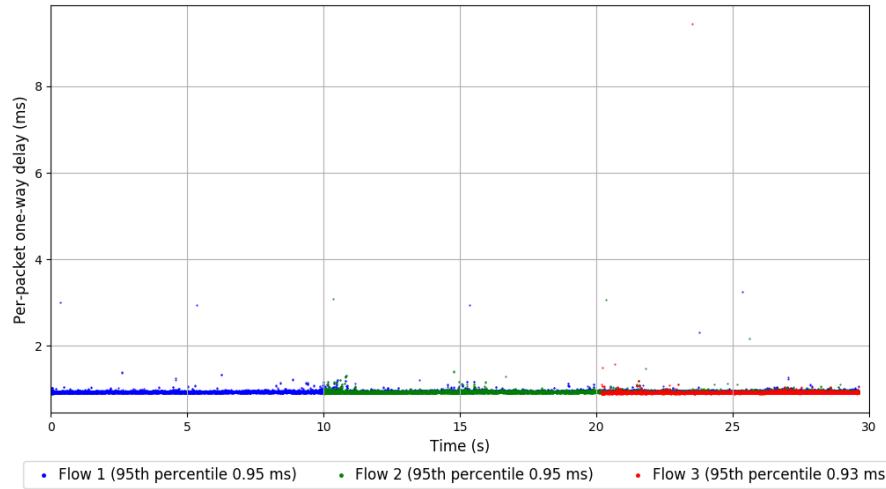
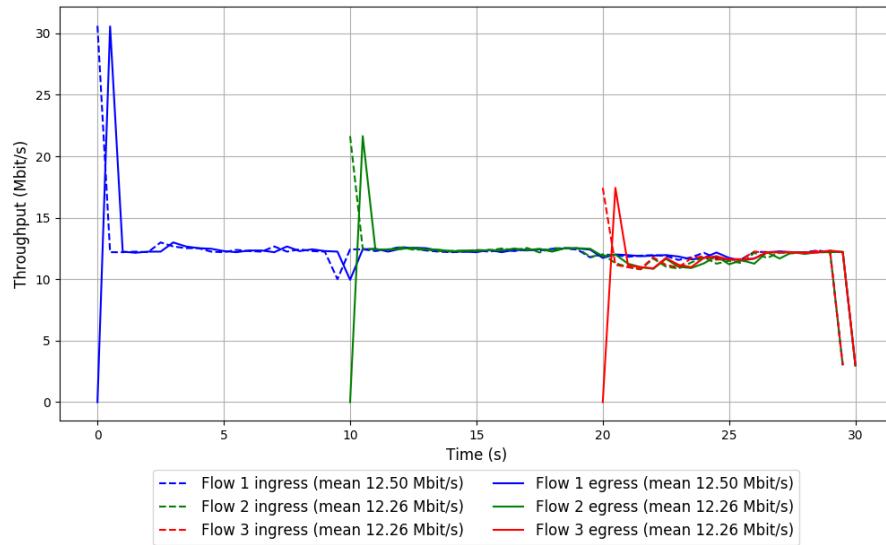


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 12:02:28
End at: 2019-07-18 12:02:58
Local clock offset: 3.934 ms
Remote clock offset: 3.44 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 0.933 ms
Loss rate: 0.02%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

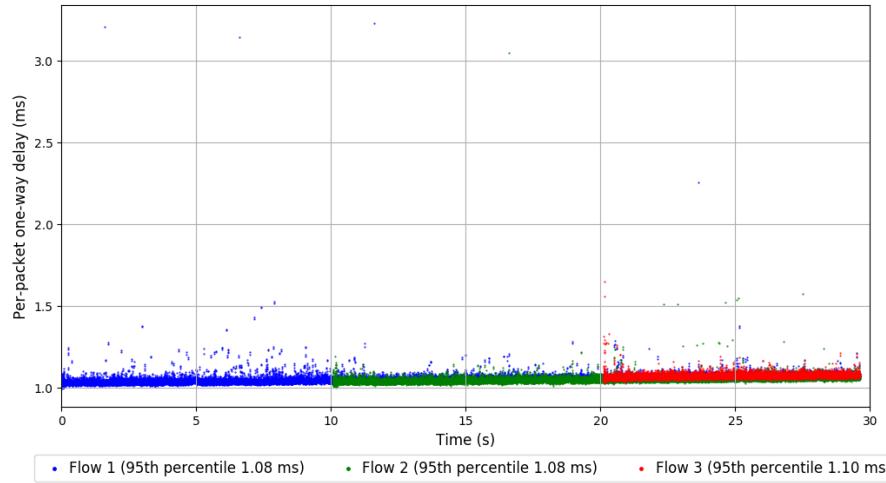
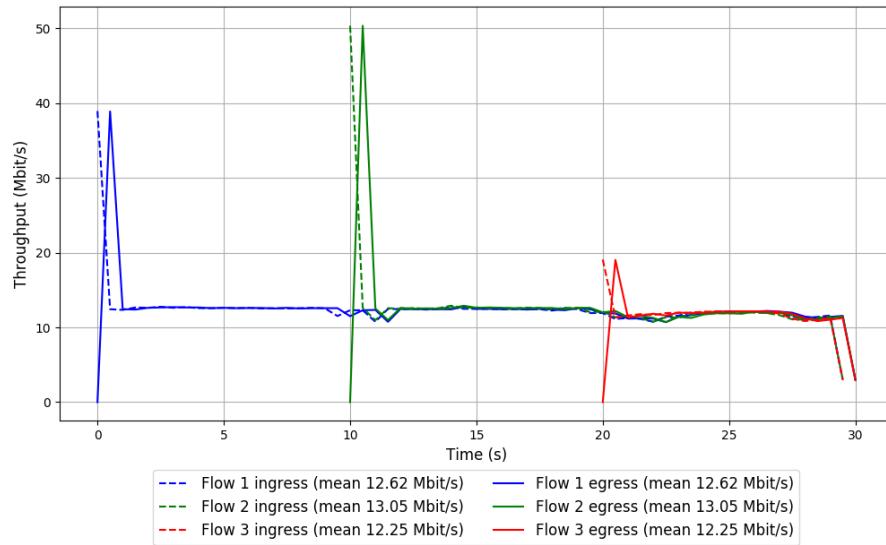


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 12:36:37
End at: 2019-07-18 12:37:07
Local clock offset: 1.382 ms
Remote clock offset: 2.968 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.02%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

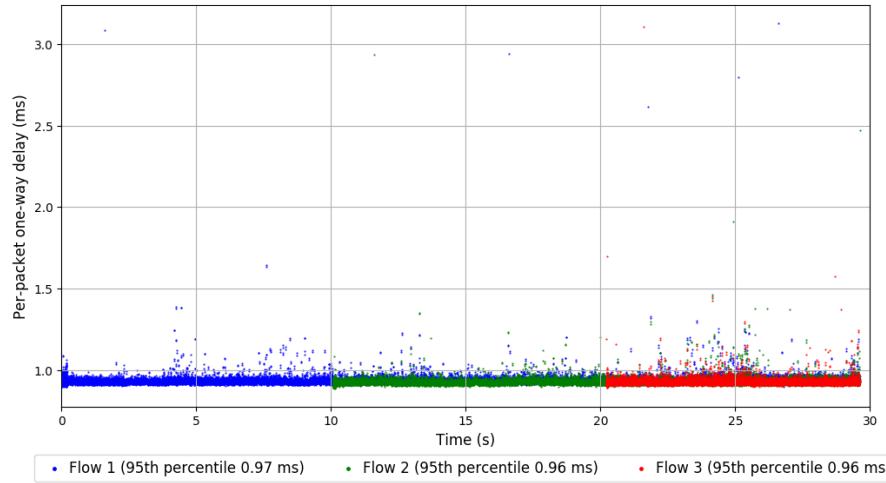
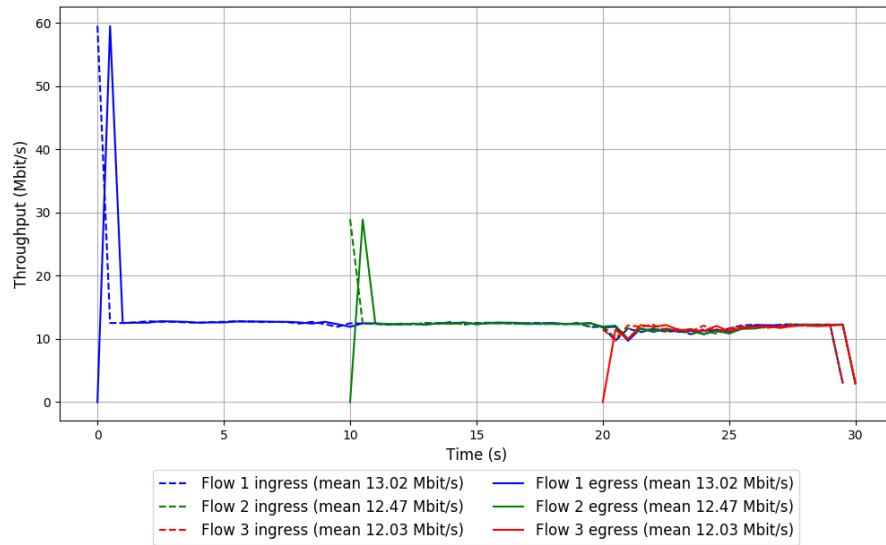


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-18 13:11:07
End at: 2019-07-18 13:11:37
Local clock offset: 0.285 ms
Remote clock offset: 3.119 ms

# Below is generated by plot.py at 2019-07-18 14:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 0.966 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.02%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

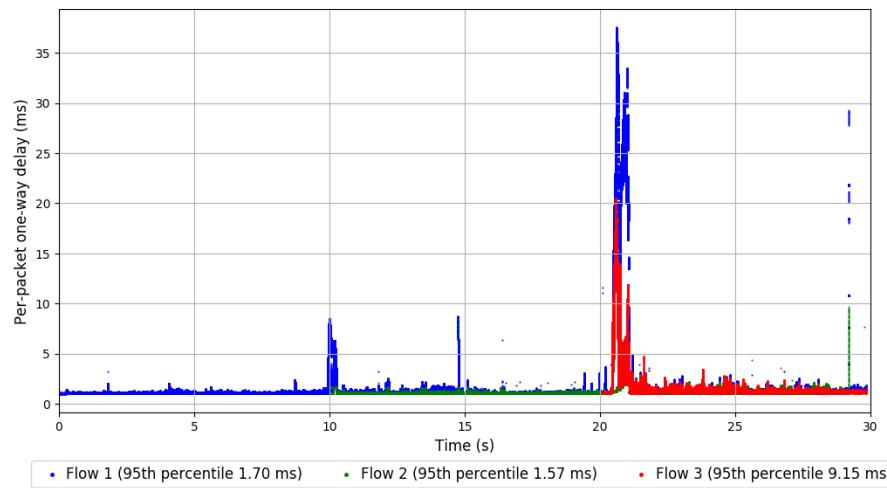
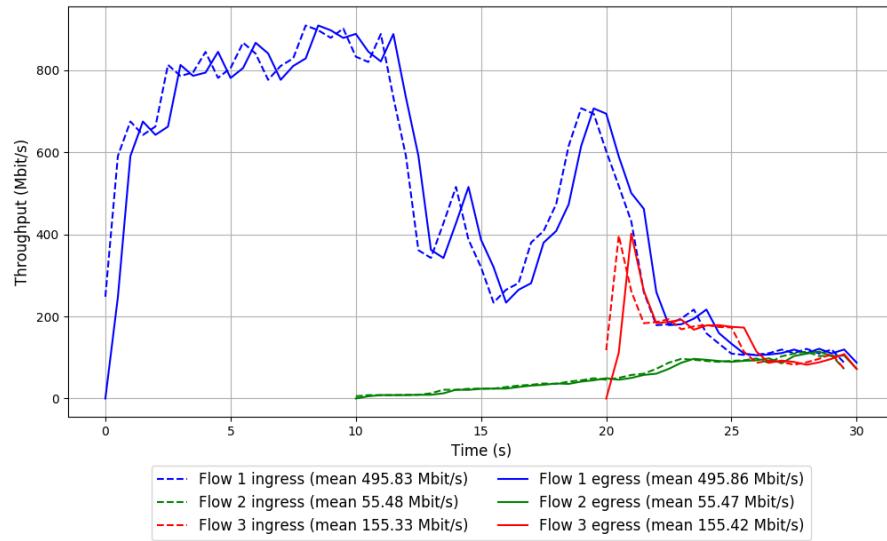


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-18 10:41:02
End at: 2019-07-18 10:41:32
Local clock offset: -0.921 ms
Remote clock offset: 4.498 ms

# Below is generated by plot.py at 2019-07-18 14:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 583.60 Mbit/s
95th percentile per-packet one-way delay: 2.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 495.86 Mbit/s
95th percentile per-packet one-way delay: 1.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 1.566 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 155.42 Mbit/s
95th percentile per-packet one-way delay: 9.150 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link

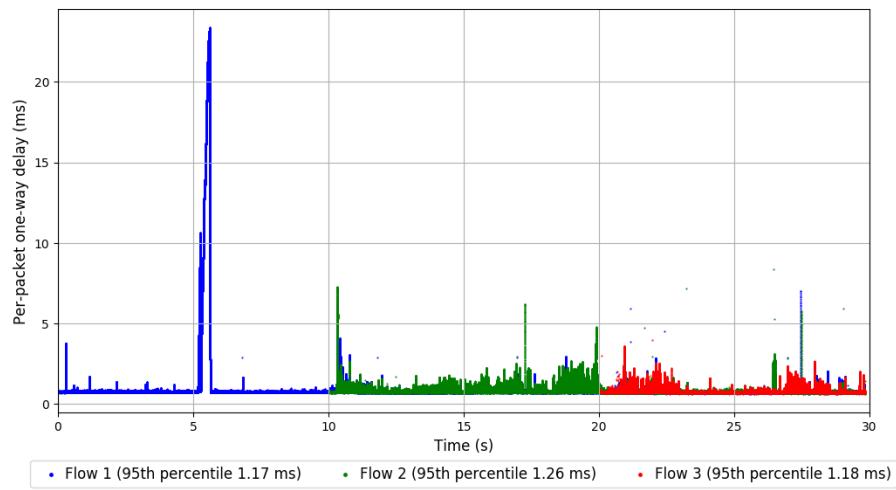
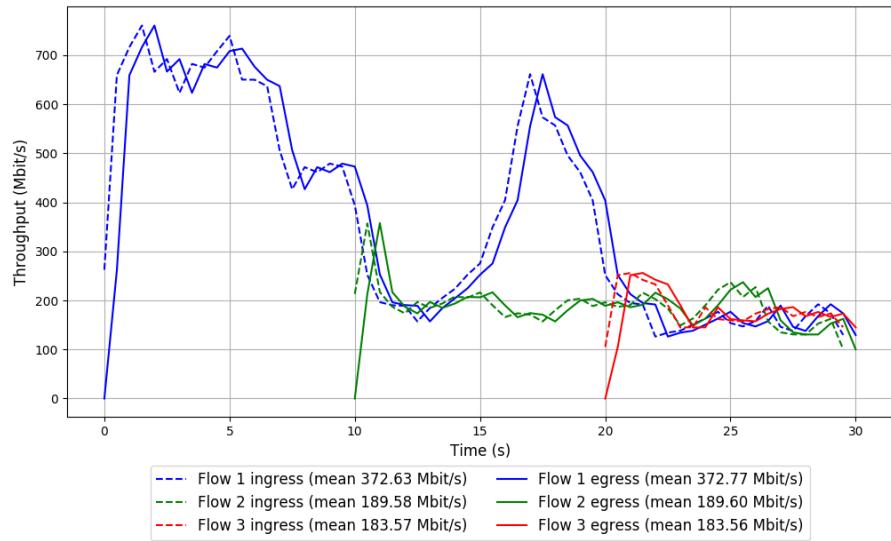


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-18 11:15:20
End at: 2019-07-18 11:15:50
Local clock offset: 4.768 ms
Remote clock offset: 4.539 ms

# Below is generated by plot.py at 2019-07-18 14:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.12 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 372.77 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.60 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 183.56 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.02%
```

Run 2: Report of PCC-Allegro — Data Link

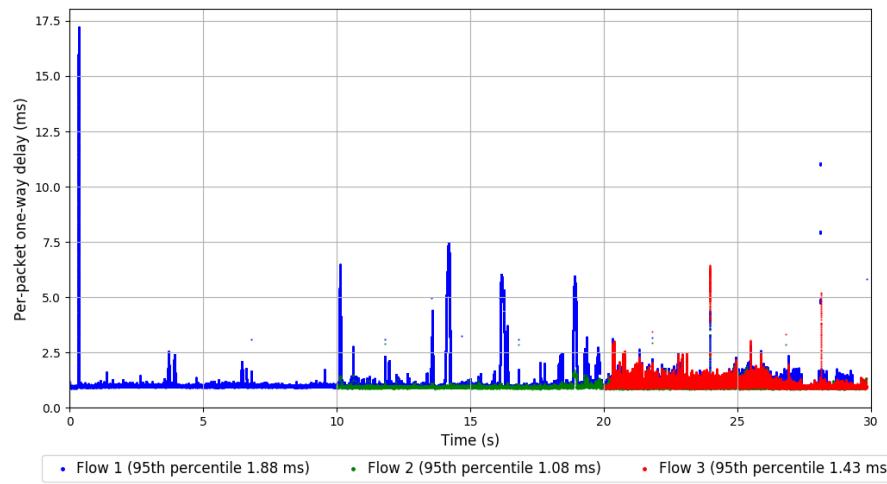
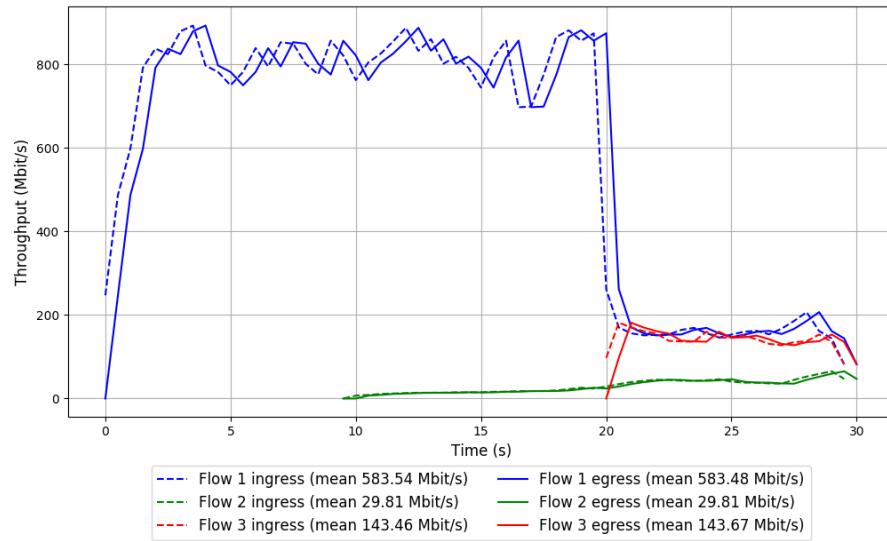


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-18 11:49:40
End at: 2019-07-18 11:50:10
Local clock offset: 4.394 ms
Remote clock offset: 3.508 ms

# Below is generated by plot.py at 2019-07-18 14:23:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 650.59 Mbit/s
95th percentile per-packet one-way delay: 1.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 583.48 Mbit/s
95th percentile per-packet one-way delay: 1.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 143.67 Mbit/s
95th percentile per-packet one-way delay: 1.431 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Allegro — Data Link

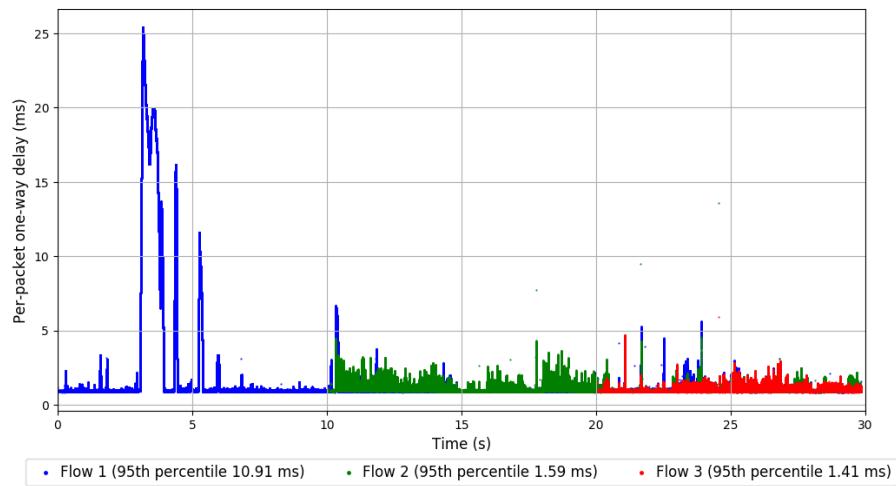
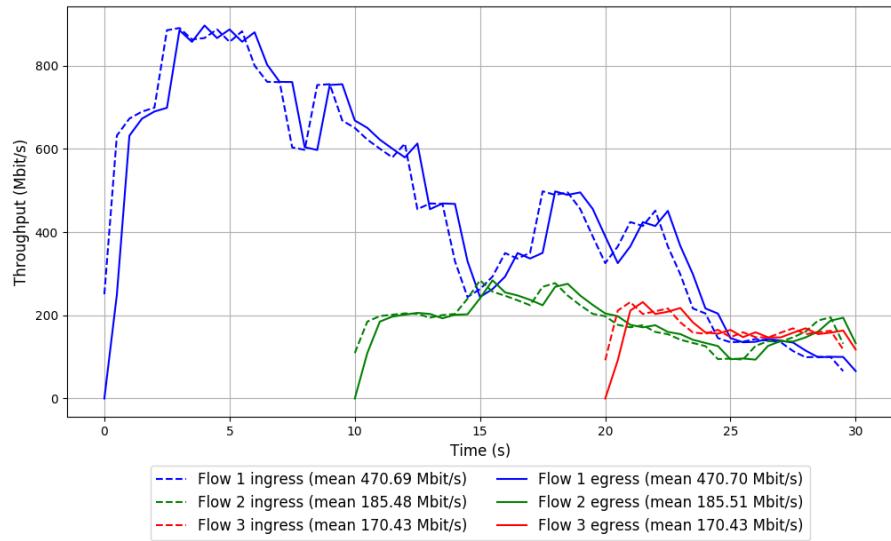


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-18 12:23:48
End at: 2019-07-18 12:24:18
Local clock offset: 3.654 ms
Remote clock offset: 3.2 ms

# Below is generated by plot.py at 2019-07-18 14:27:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 649.96 Mbit/s
95th percentile per-packet one-way delay: 5.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 470.70 Mbit/s
95th percentile per-packet one-way delay: 10.914 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.51 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.43 Mbit/s
95th percentile per-packet one-way delay: 1.411 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Allegro — Data Link

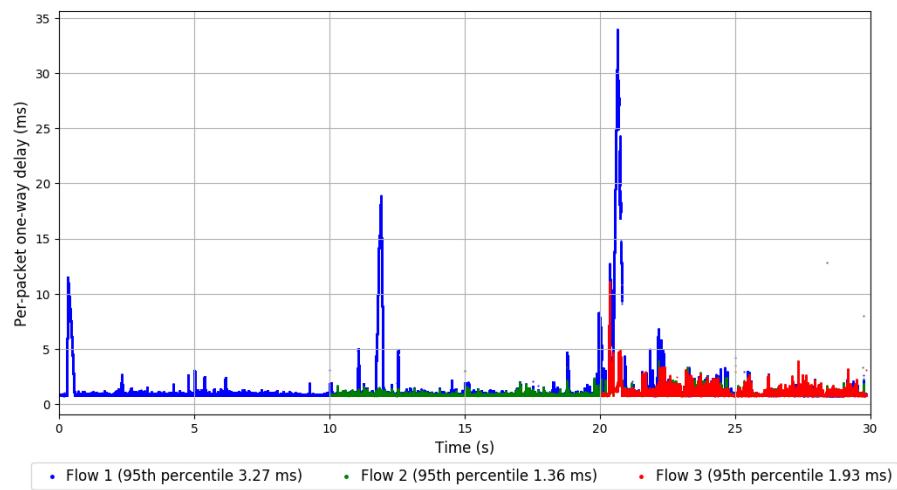
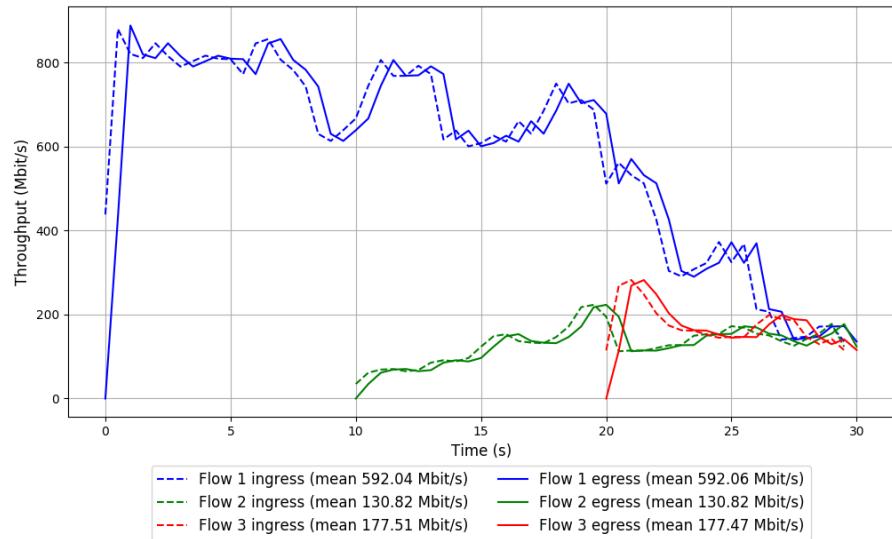


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-18 12:58:16
End at: 2019-07-18 12:58:46
Local clock offset: 0.276 ms
Remote clock offset: 3.327 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 737.35 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 592.06 Mbit/s
95th percentile per-packet one-way delay: 3.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 130.82 Mbit/s
95th percentile per-packet one-way delay: 1.363 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 177.47 Mbit/s
95th percentile per-packet one-way delay: 1.930 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Allegro — Data Link

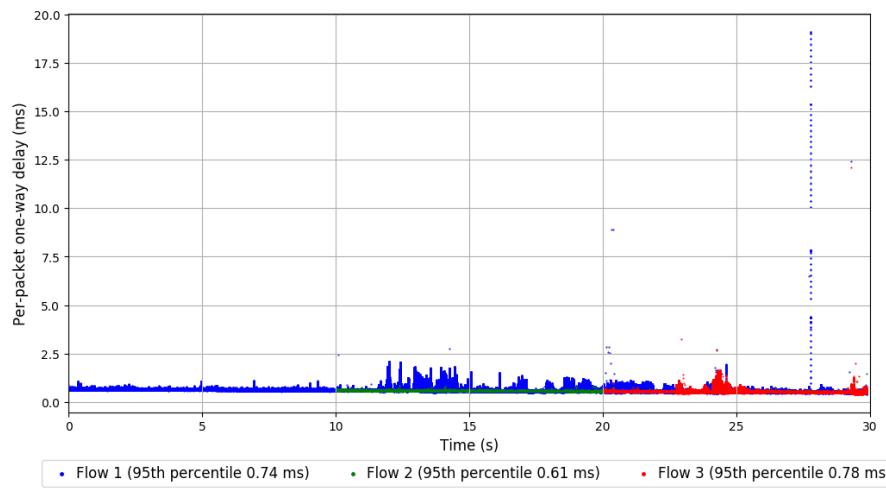
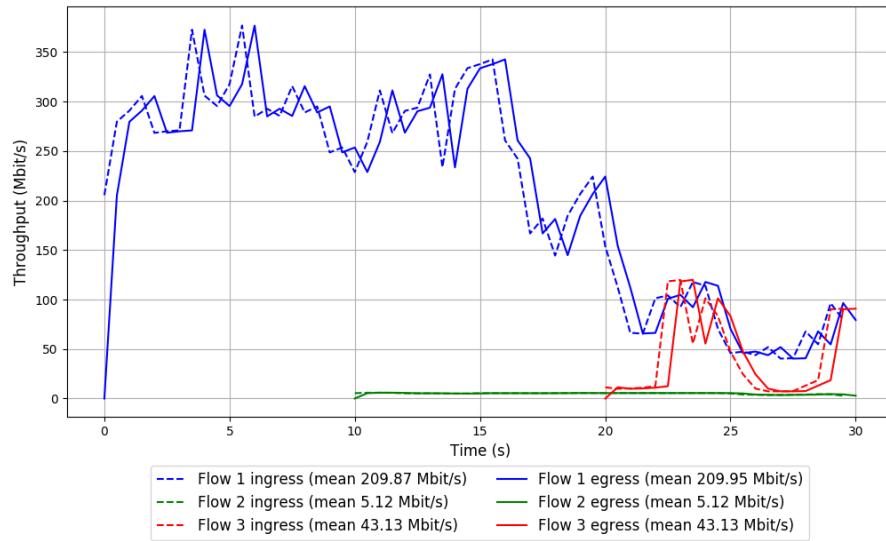


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-18 11:04:32
End at: 2019-07-18 11:05:02
Local clock offset: 2.63 ms
Remote clock offset: 4.534 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.56 Mbit/s
95th percentile per-packet one-way delay: 0.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.95 Mbit/s
95th percentile per-packet one-way delay: 0.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 0.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 0.784 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

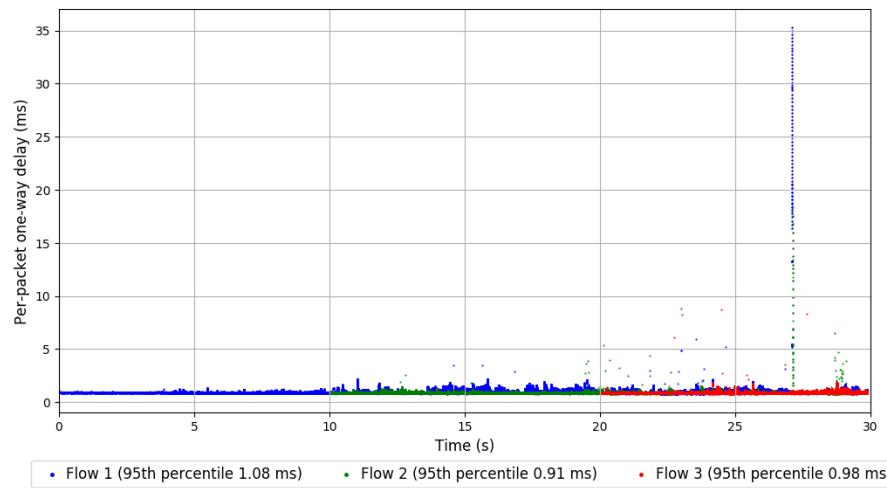
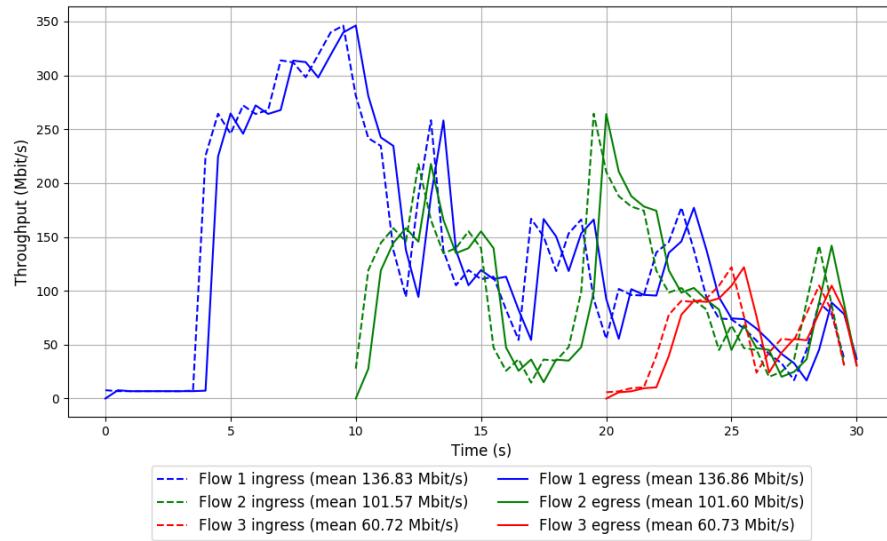


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-18 11:38:48
End at: 2019-07-18 11:39:18
Local clock offset: 4.42 ms
Remote clock offset: 3.89 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 224.41 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 136.86 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.60 Mbit/s
95th percentile per-packet one-way delay: 0.914 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 0.982 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

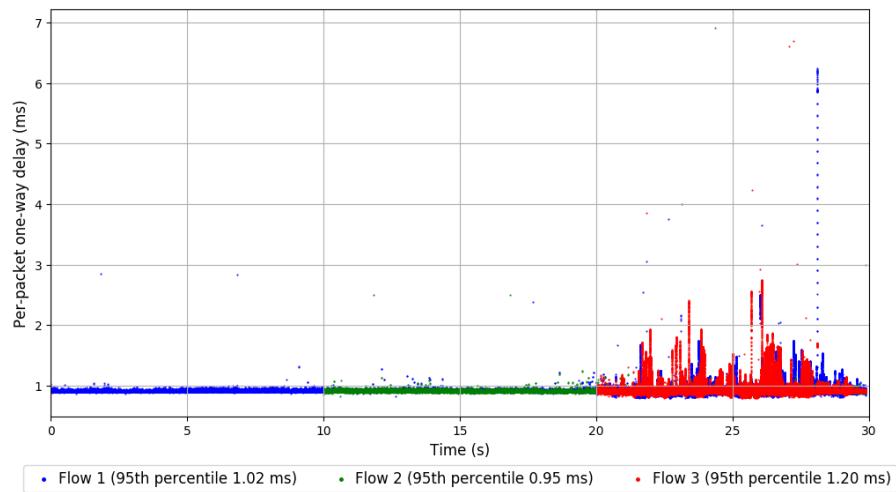
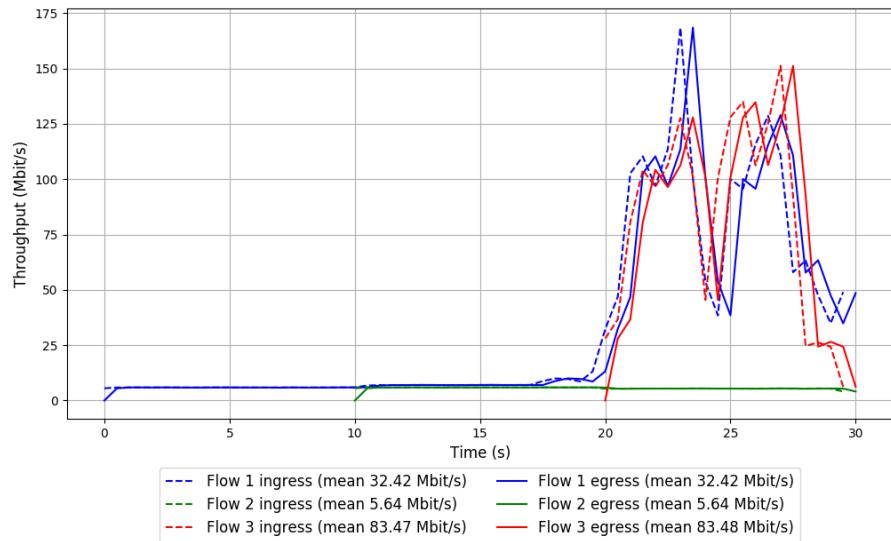


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-18 12:13:09
End at: 2019-07-18 12:13:39
Local clock offset: 3.706 ms
Remote clock offset: 3.357 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.72 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 0.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Expr — Data Link

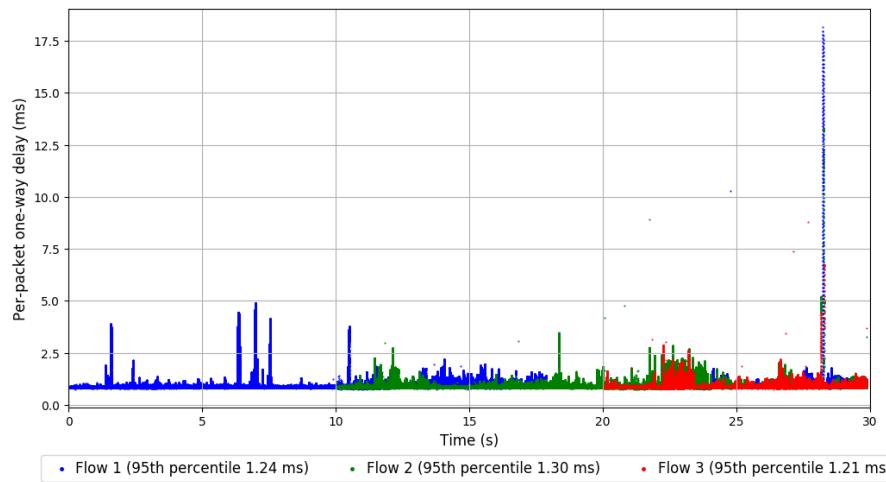
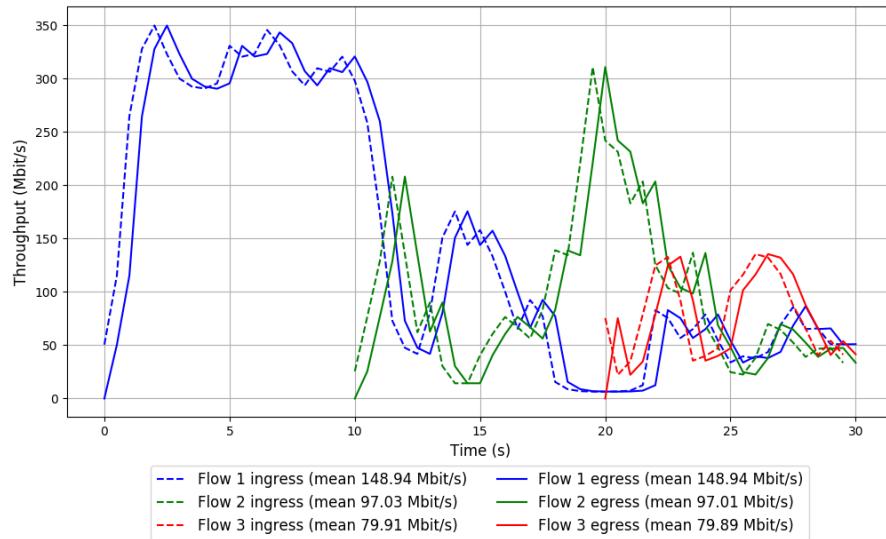


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-18 12:47:25
End at: 2019-07-18 12:47:55
Local clock offset: 0.541 ms
Remote clock offset: 3.349 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.82 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.94 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Expr — Data Link

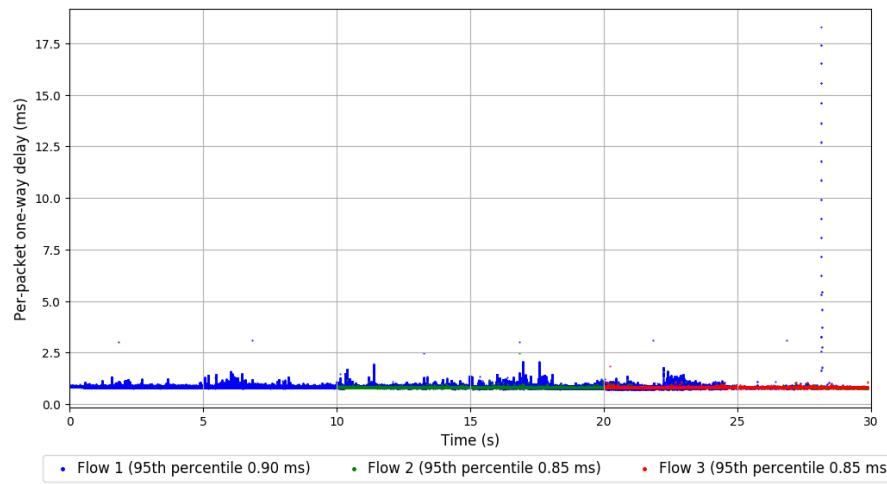
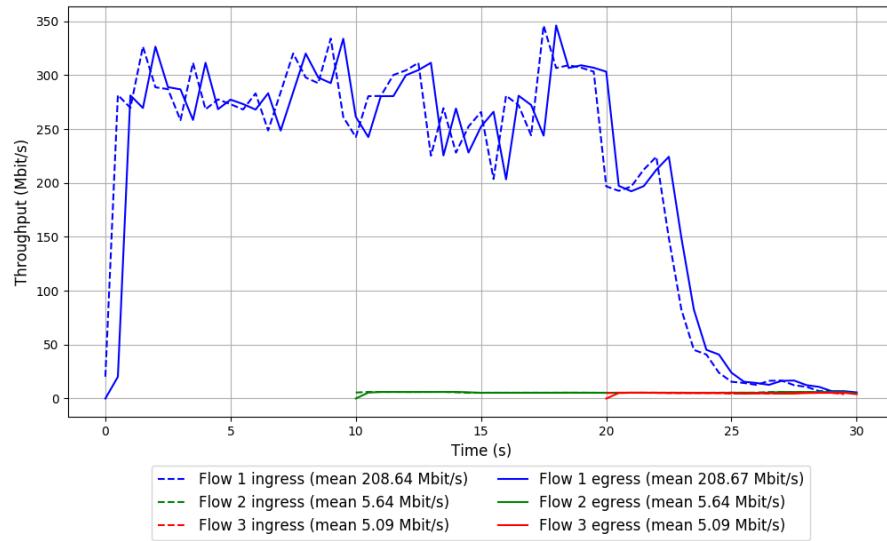


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-18 13:21:49
End at: 2019-07-18 13:22:19
Local clock offset: 0.077 ms
Remote clock offset: 0.942 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.07 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.67 Mbit/s
95th percentile per-packet one-way delay: 0.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 0.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 0.855 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Expr — Data Link

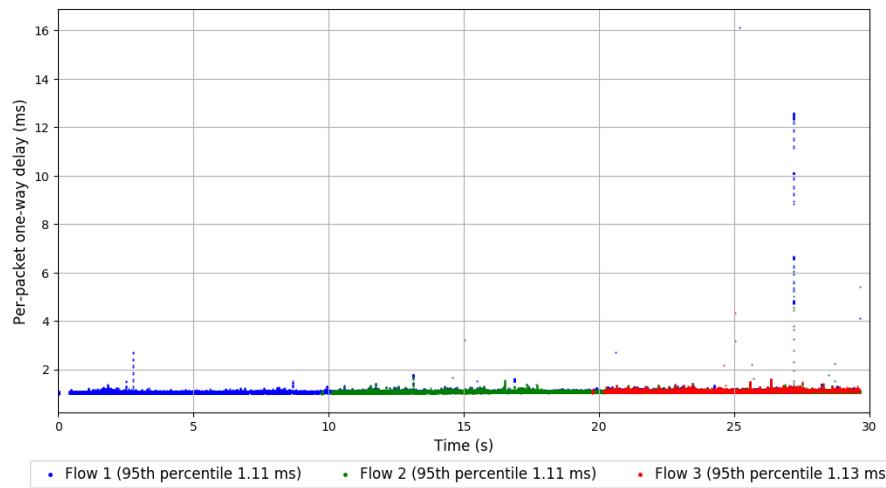
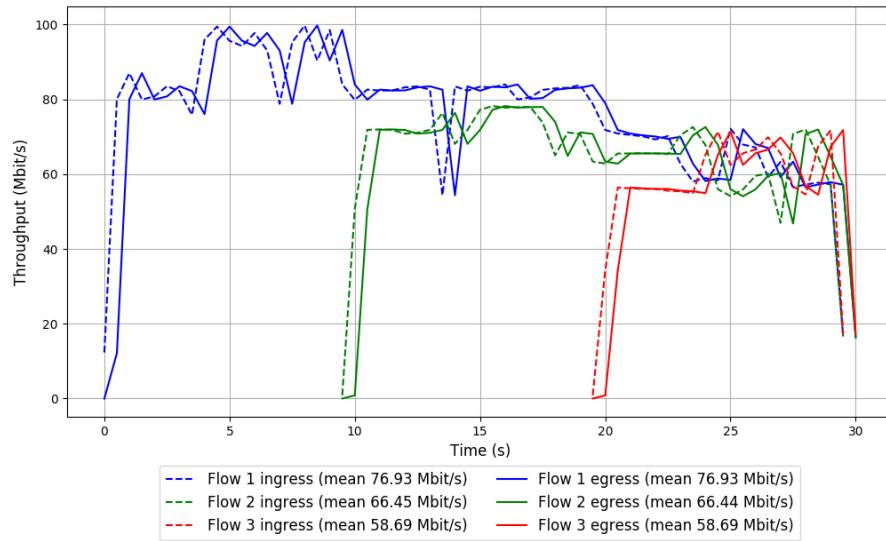


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-18 10:47:59
End at: 2019-07-18 10:48:29
Local clock offset: -1.85 ms
Remote clock offset: 4.69 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.12 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

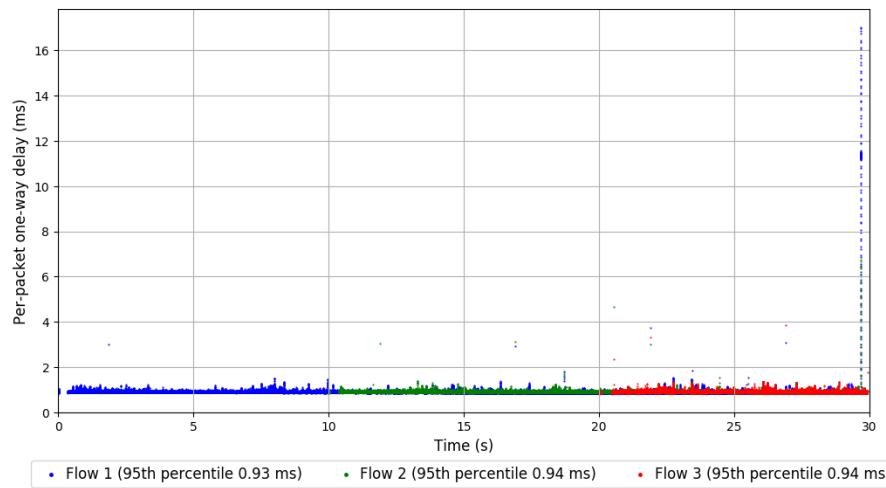
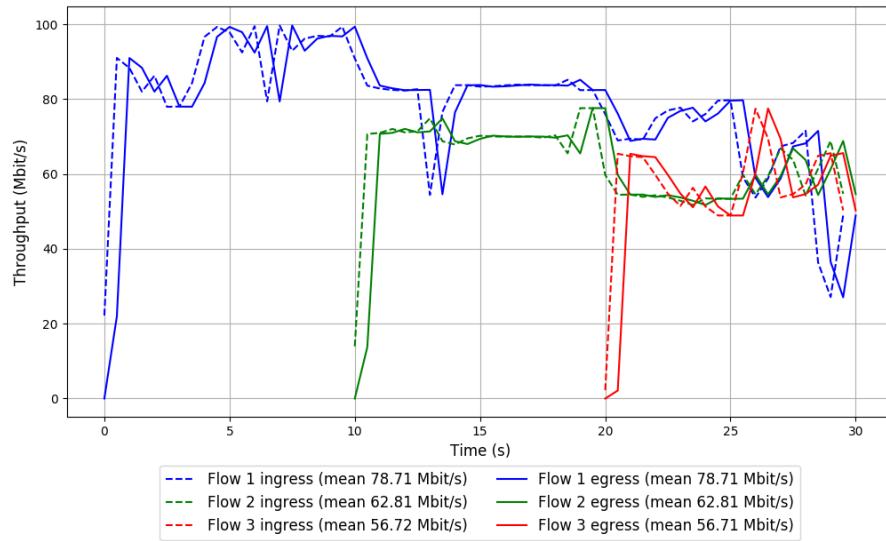


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-18 11:22:16
End at: 2019-07-18 11:22:46
Local clock offset: 5.48 ms
Remote clock offset: 4.542 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.25 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 0.933 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.81 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

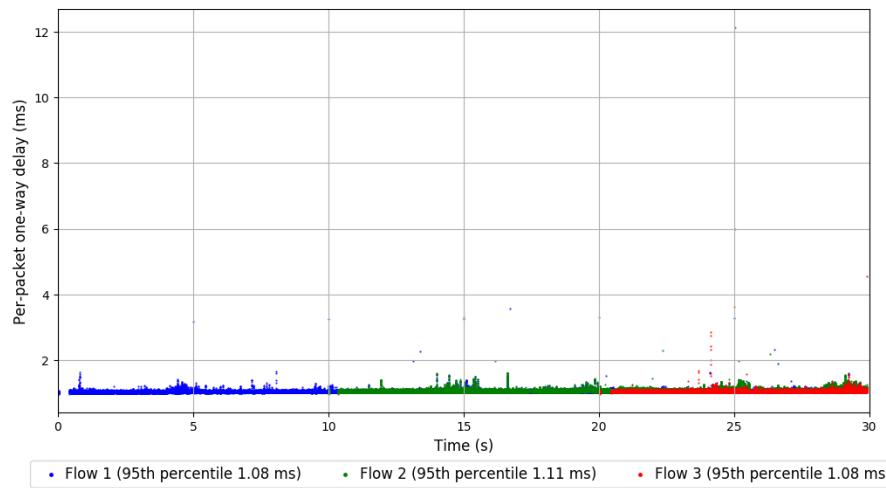
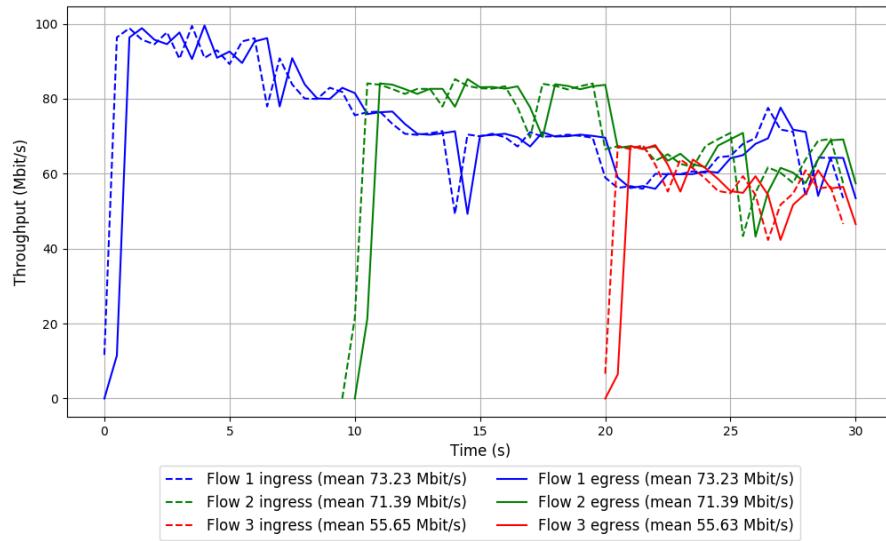


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-18 11:56:39
End at: 2019-07-18 11:57:09
Local clock offset: 4.316 ms
Remote clock offset: 3.406 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.16 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.39 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.01%
```

Run 3: Report of QUIC Cubic — Data Link

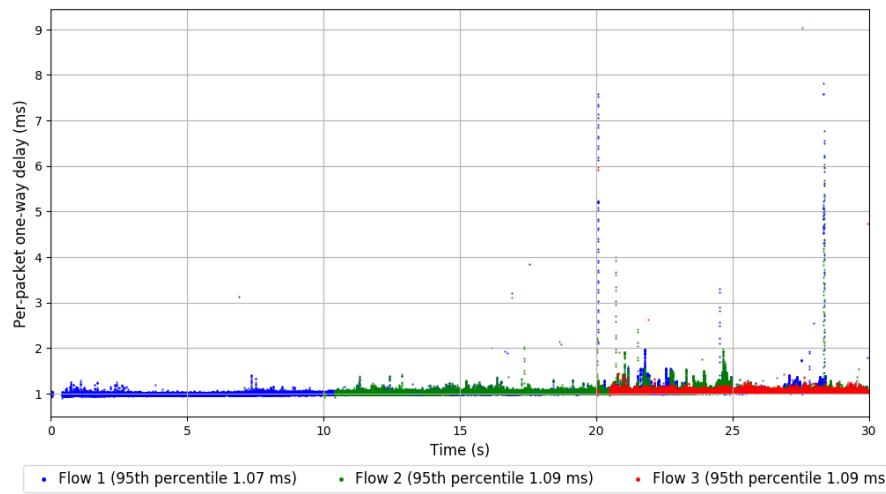
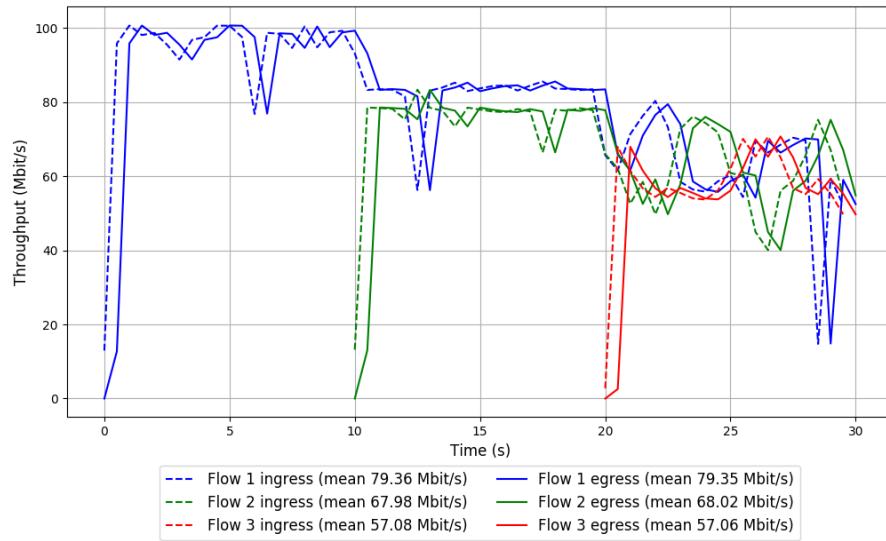


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-18 12:30:47
End at: 2019-07-18 12:31:17
Local clock offset: 2.209 ms
Remote clock offset: 3.175 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.46 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.02%
```

Run 4: Report of QUIC Cubic — Data Link

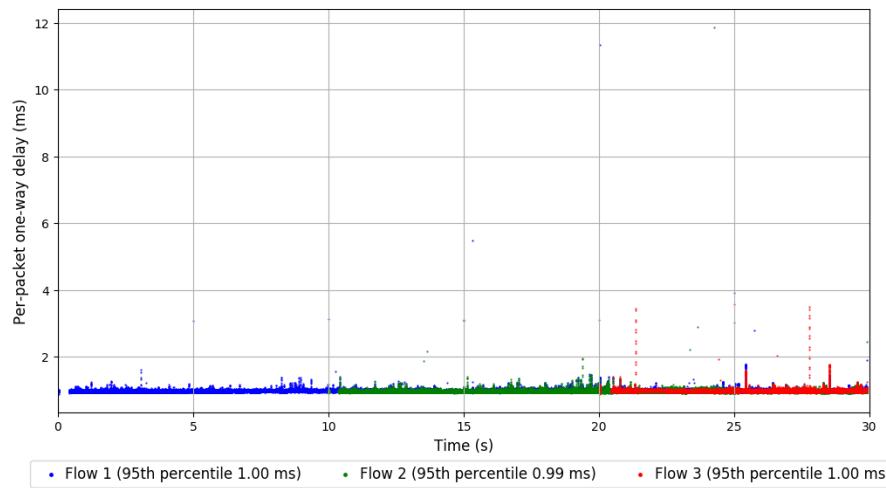
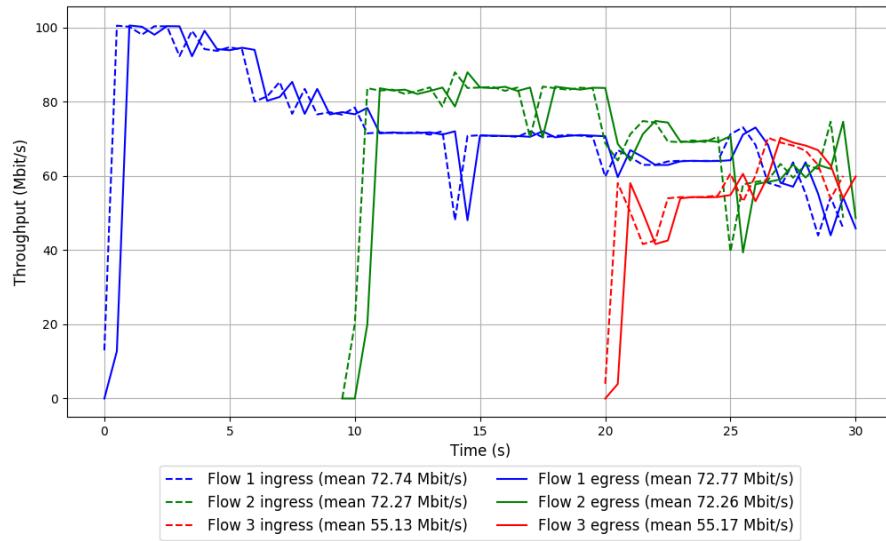


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-18 13:05:17
End at: 2019-07-18 13:05:47
Local clock offset: 0.351 ms
Remote clock offset: 3.162 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.15 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.77 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 72.26 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.02%
```

Run 5: Report of QUIC Cubic — Data Link

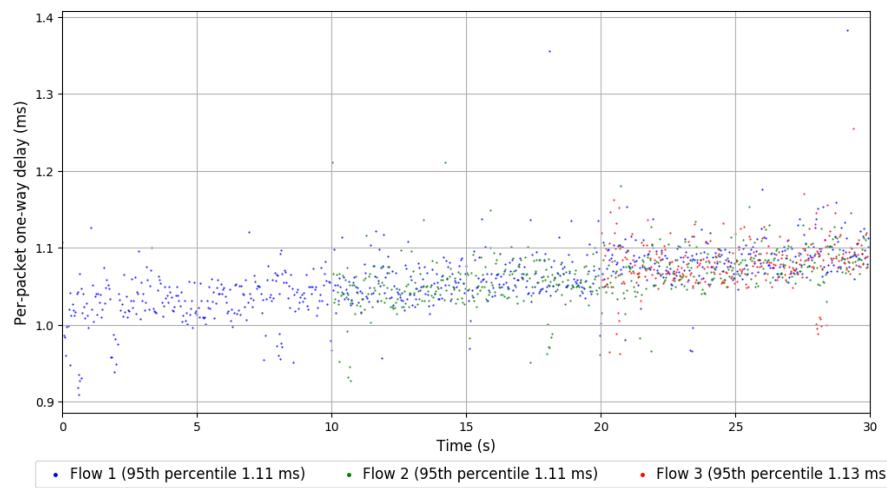
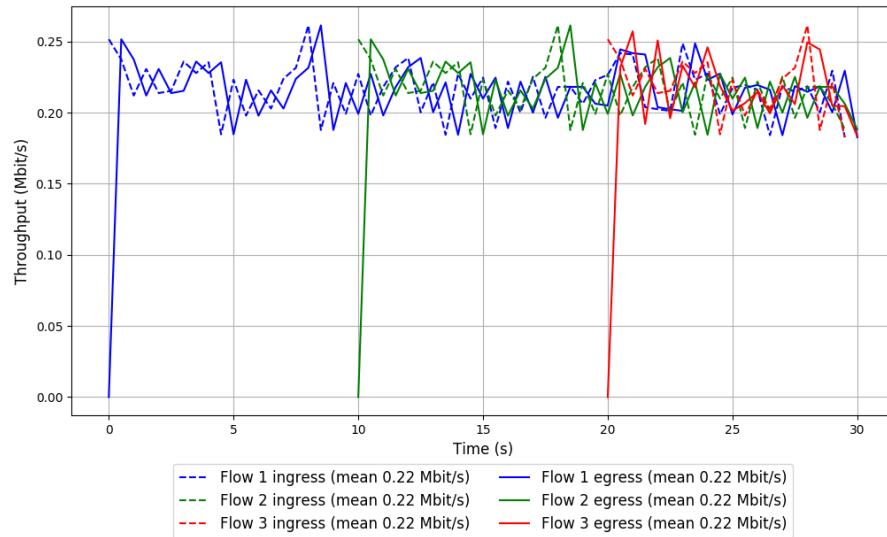


```
Run 1: Statistics of SCReAM

Start at: 2019-07-18 10:46:44
End at: 2019-07-18 10:47:14
Local clock offset: -1.732 ms
Remote clock offset: 4.761 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

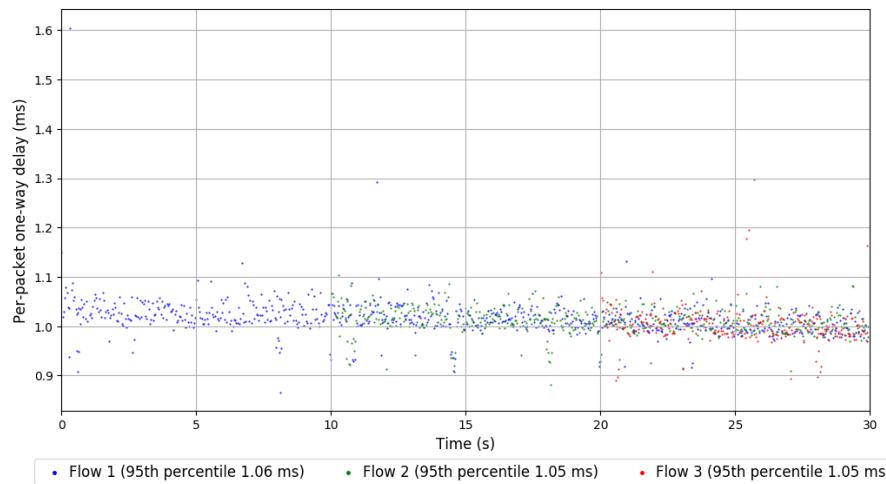
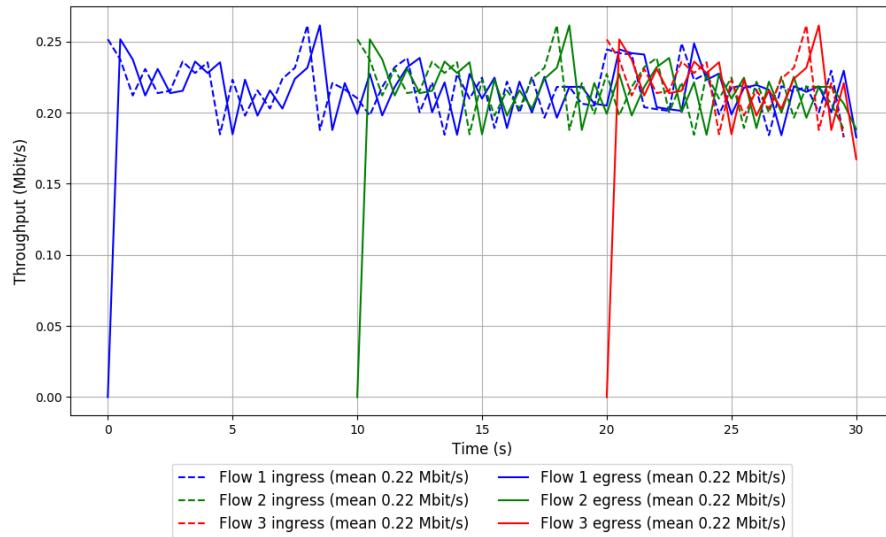


Run 2: Statistics of SCReAM

```
Start at: 2019-07-18 11:21:02
End at: 2019-07-18 11:21:32
Local clock offset: 5.383 ms
Remote clock offset: 4.515 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

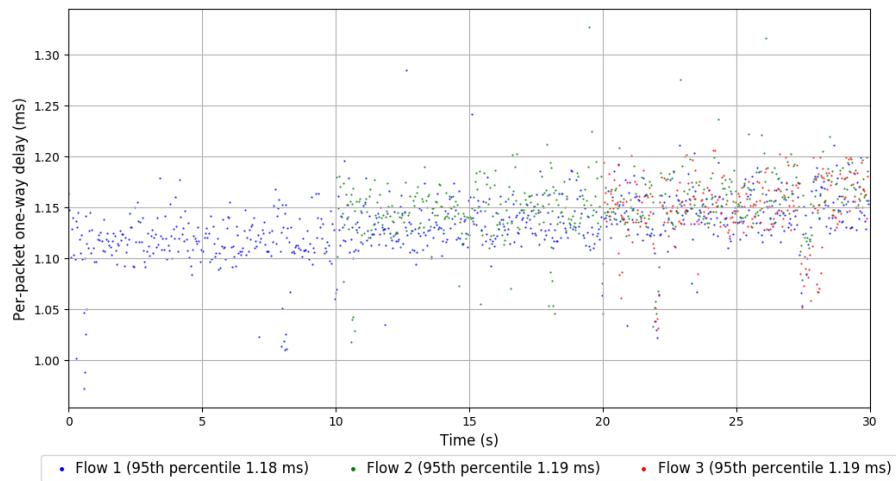
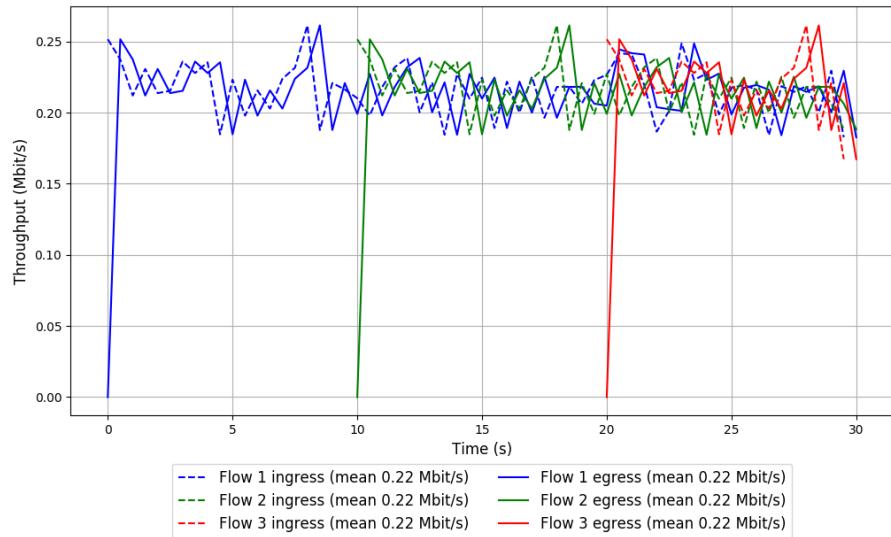


Run 3: Statistics of SCReAM

```
Start at: 2019-07-18 11:55:24
End at: 2019-07-18 11:55:54
Local clock offset: 4.401 ms
Remote clock offset: 3.408 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

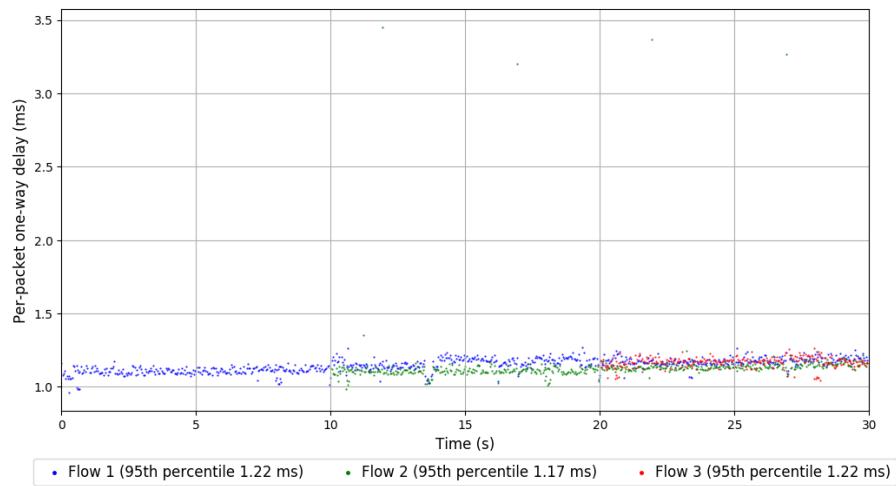
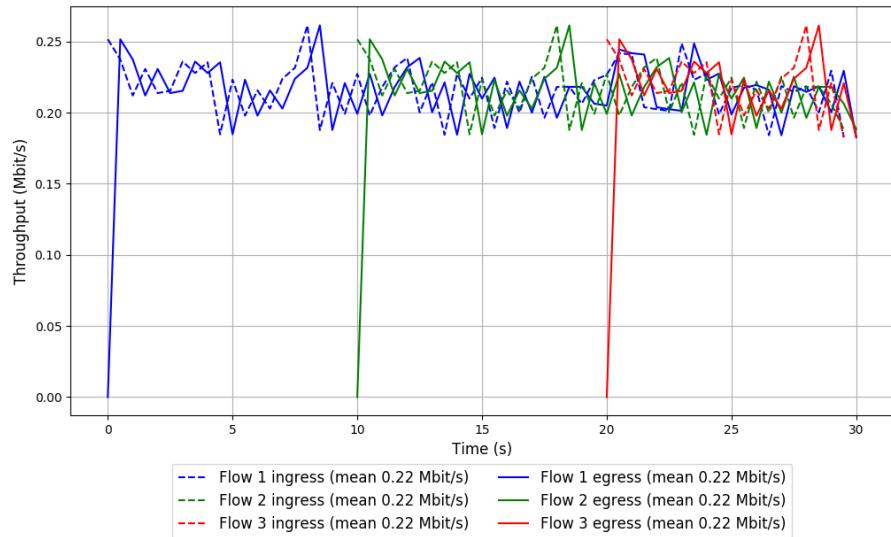


Run 4: Statistics of SCReAM

```
Start at: 2019-07-18 12:29:32
End at: 2019-07-18 12:30:02
Local clock offset: 2.419 ms
Remote clock offset: 3.167 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

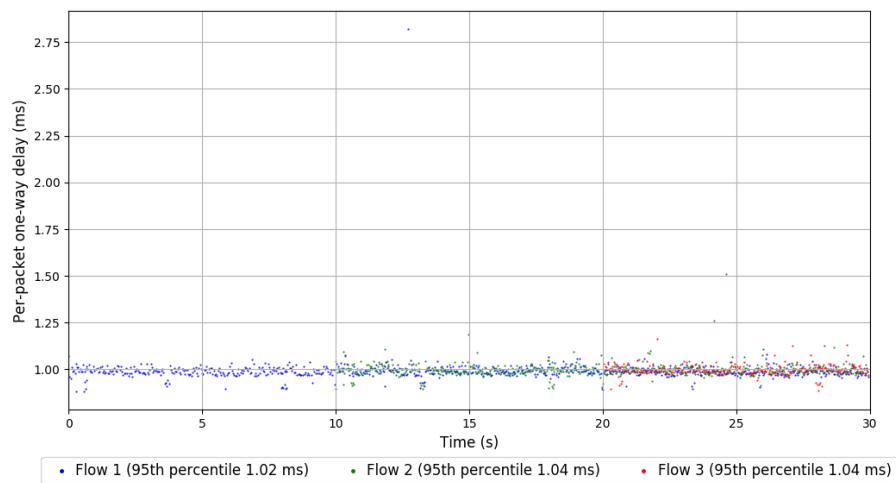
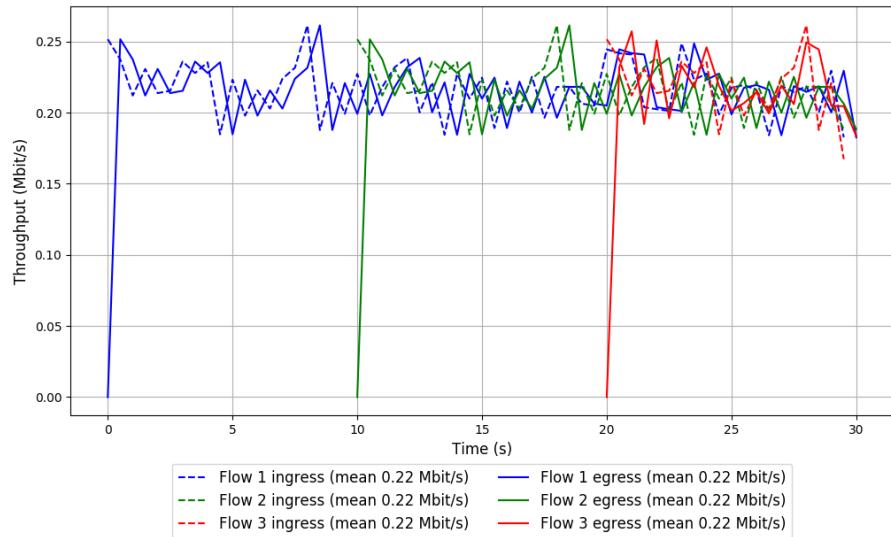


Run 5: Statistics of SCReAM

```
Start at: 2019-07-18 13:04:03
End at: 2019-07-18 13:04:33
Local clock offset: 0.351 ms
Remote clock offset: 3.25 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

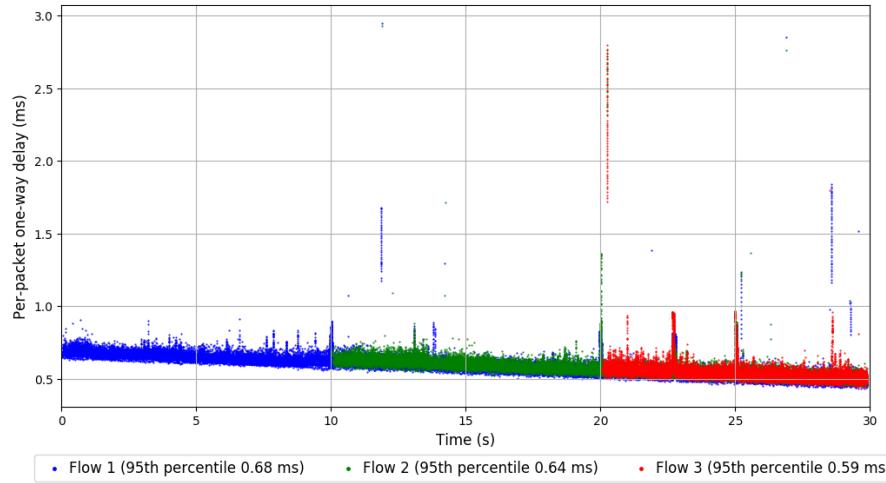
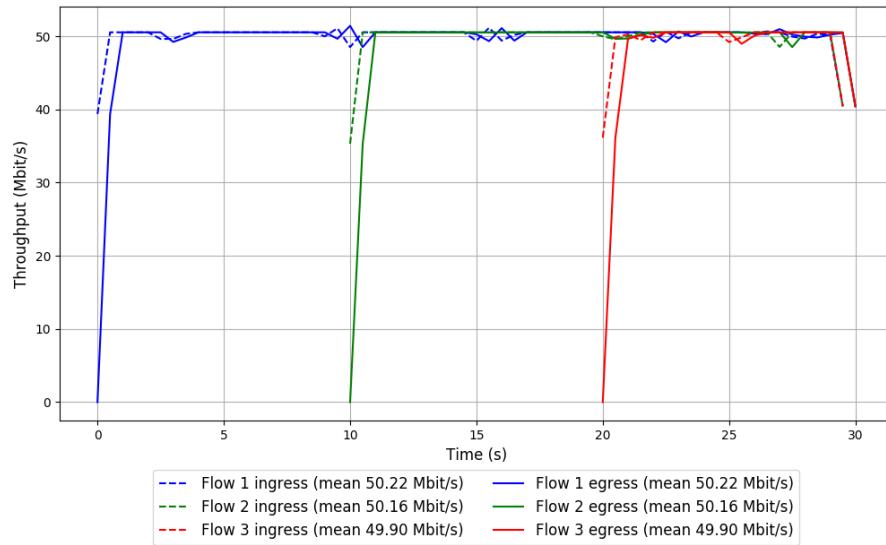


Run 1: Statistics of Sprout

```
Start at: 2019-07-18 11:01:53
End at: 2019-07-18 11:02:23
Local clock offset: 1.721 ms
Remote clock offset: 4.584 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.96 Mbit/s
95th percentile per-packet one-way delay: 0.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 0.683 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 0.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 0.594 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

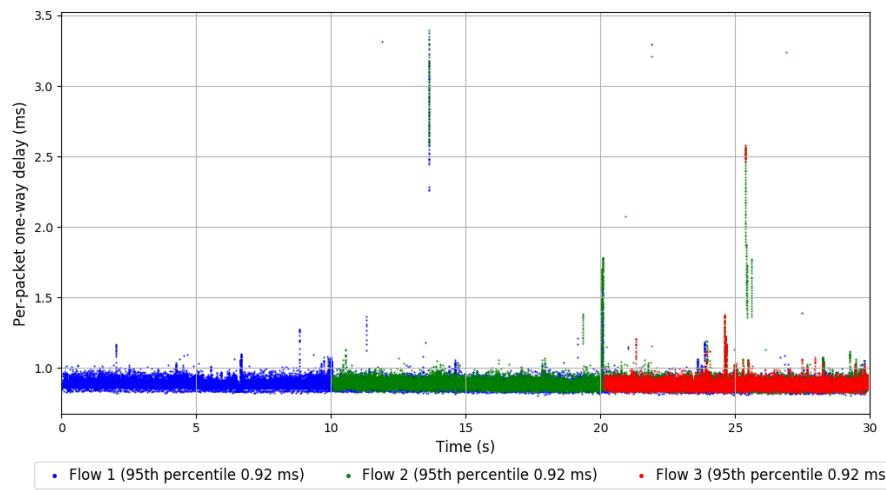
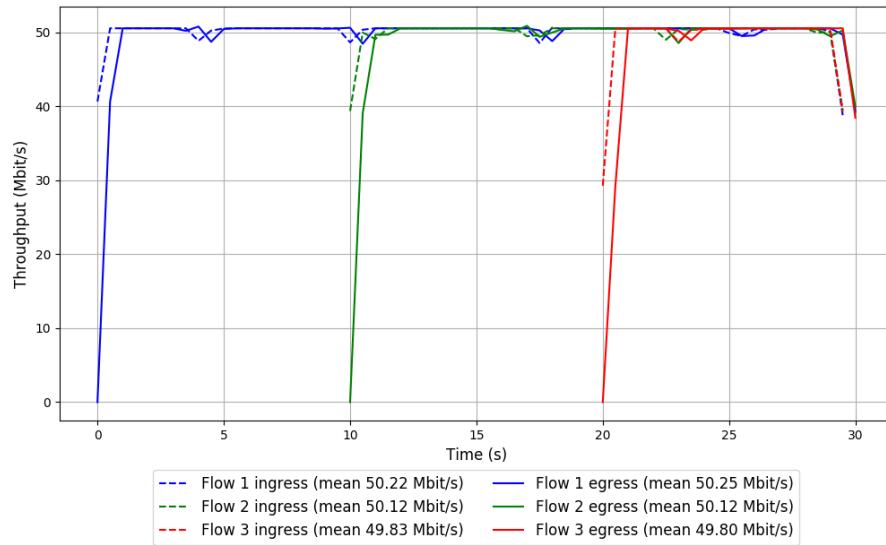


Run 2: Statistics of Sprout

```
Start at: 2019-07-18 11:36:10
End at: 2019-07-18 11:36:40
Local clock offset: 4.521 ms
Remote clock offset: 4.096 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.86 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 0.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 0.917 ms
Loss rate: 0.08%
```

Run 2: Report of Sprout — Data Link

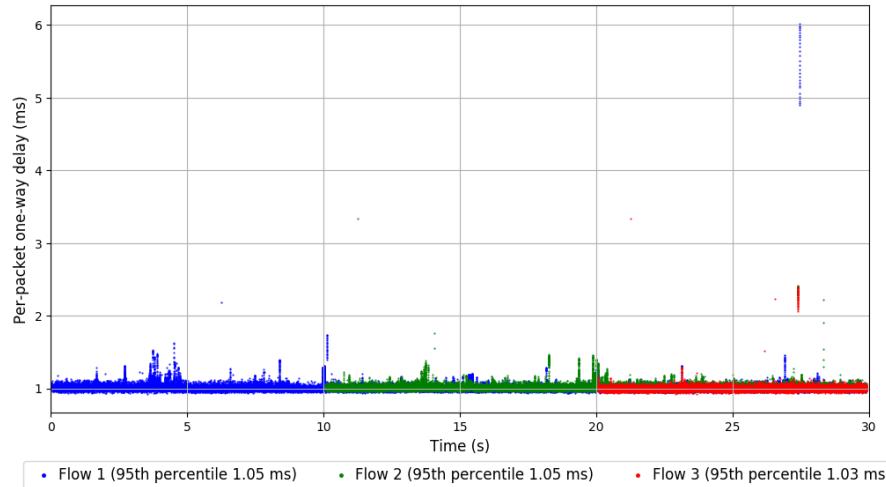
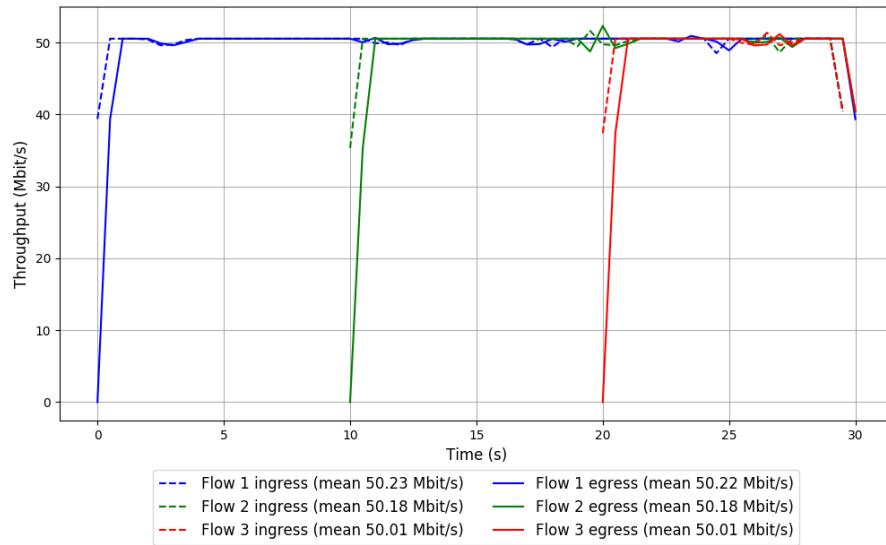


Run 3: Statistics of Sprout

```
Start at: 2019-07-18 12:10:31
End at: 2019-07-18 12:11:01
Local clock offset: 3.727 ms
Remote clock offset: 3.311 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 1.028 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

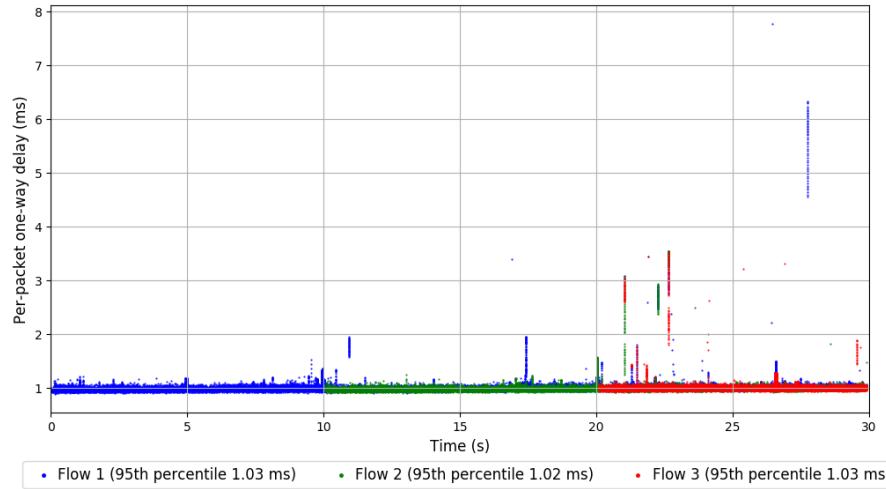
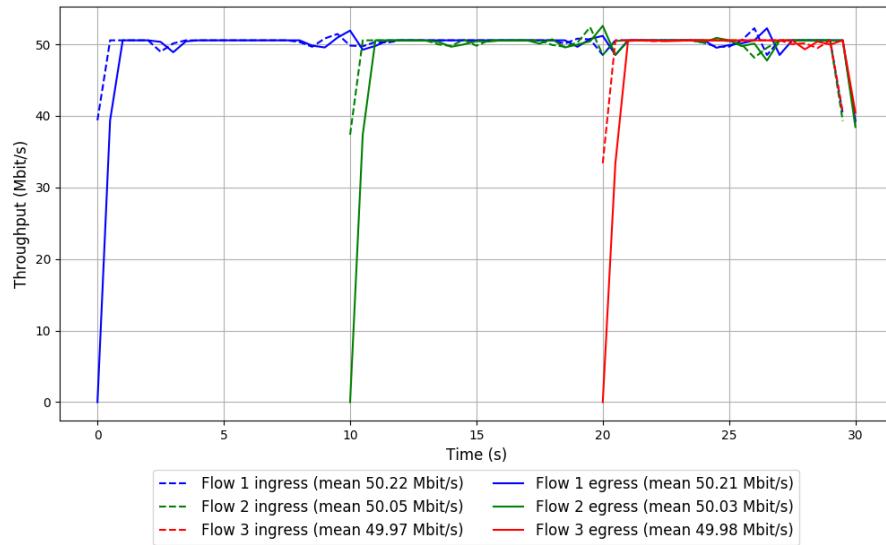


Run 4: Statistics of Sprout

```
Start at: 2019-07-18 12:44:46
End at: 2019-07-18 12:45:16
Local clock offset: 0.705 ms
Remote clock offset: 3.259 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.88 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

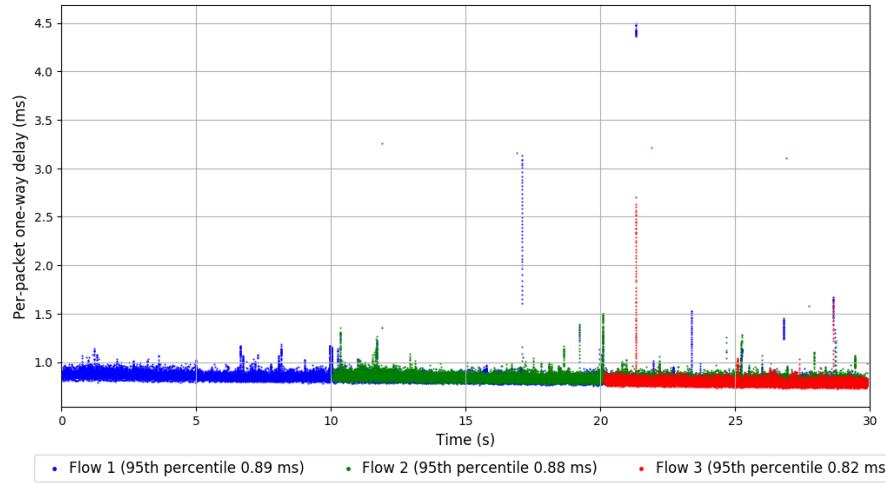
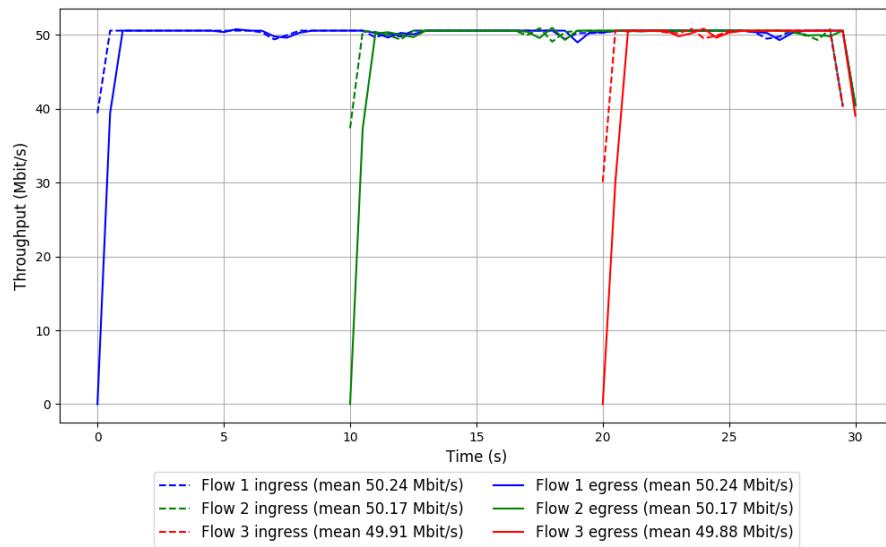


Run 5: Statistics of Sprout

```
Start at: 2019-07-18 13:19:11
End at: 2019-07-18 13:19:41
Local clock offset: 0.12 ms
Remote clock offset: 1.363 ms

# Below is generated by plot.py at 2019-07-18 14:28:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.90 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 0.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 0.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 0.825 ms
Loss rate: 0.13%
```

Run 5: Report of Sprout — Data Link

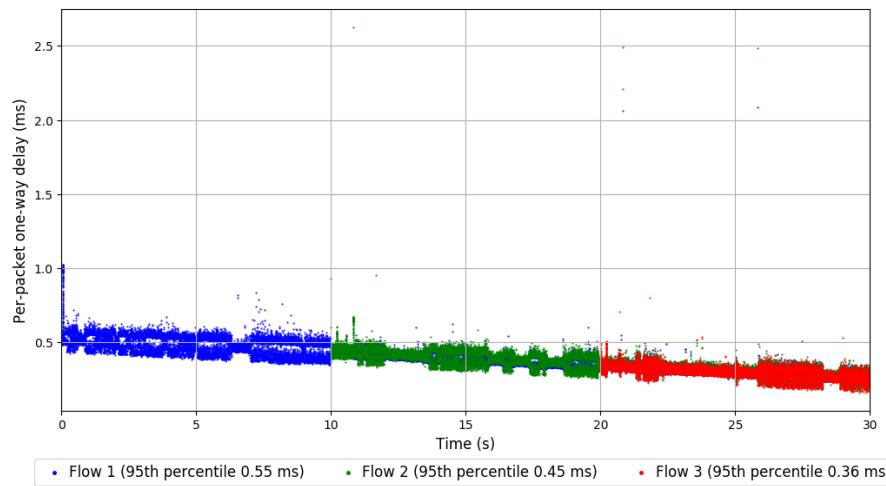
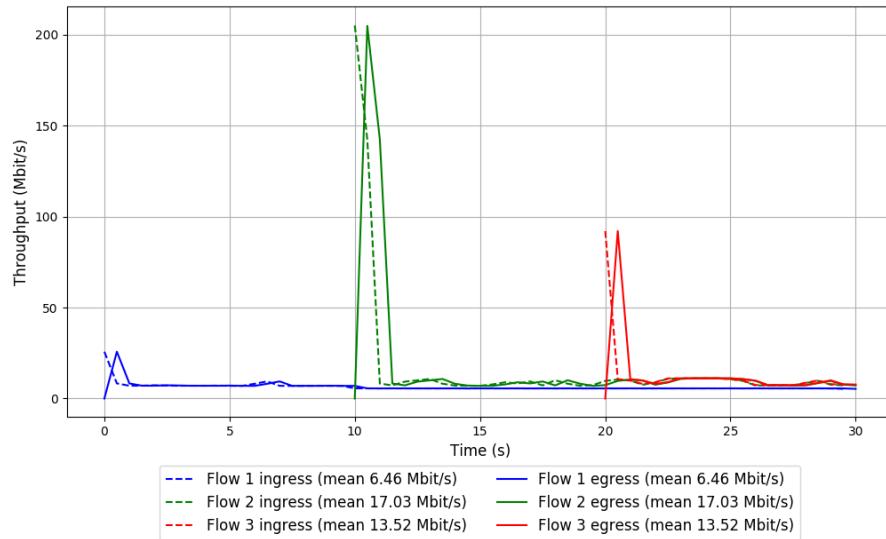


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-18 10:59:10
End at: 2019-07-18 10:59:40
Local clock offset: 0.382 ms
Remote clock offset: 4.735 ms

# Below is generated by plot.py at 2019-07-18 14:28:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 0.509 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 0.554 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 0.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 0.356 ms
Loss rate: 0.01%
```

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

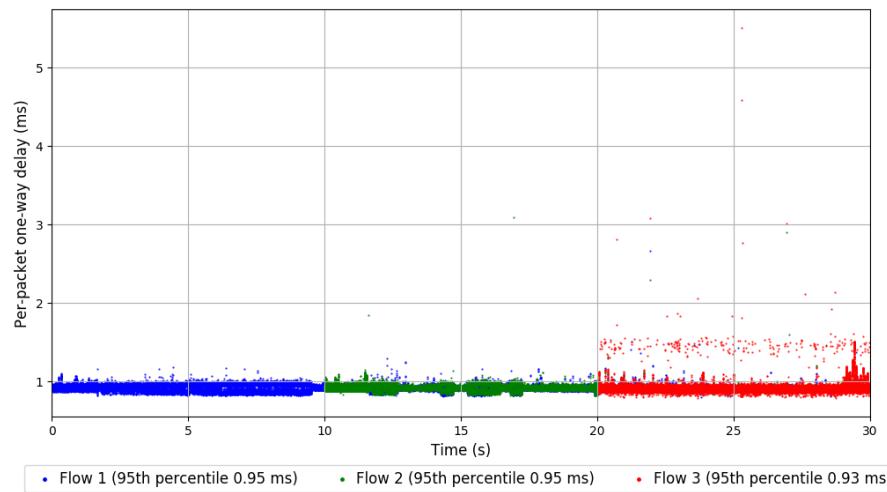
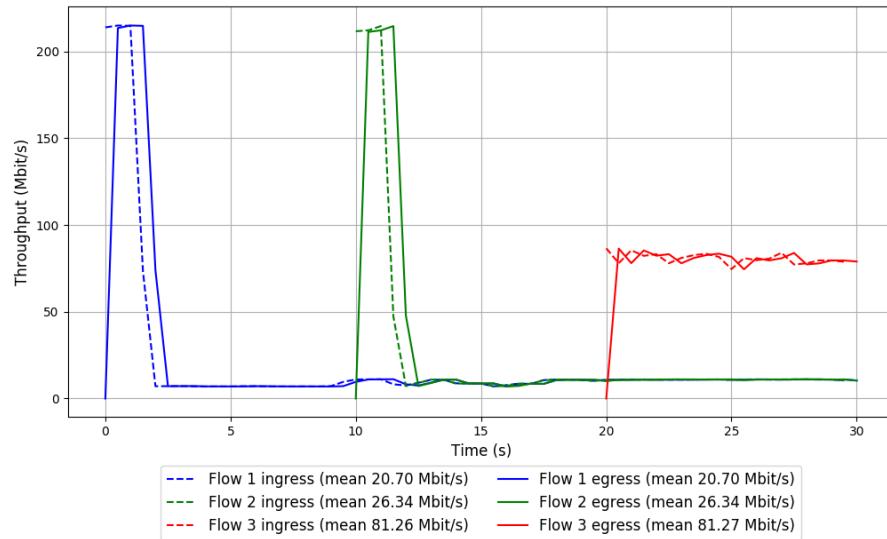


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-18 11:33:23
End at: 2019-07-18 11:33:53
Local clock offset: 4.639 ms
Remote clock offset: 4.272 ms

# Below is generated by plot.py at 2019-07-18 14:29:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 0.947 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 0.934 ms
Loss rate: 0.00%
```

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

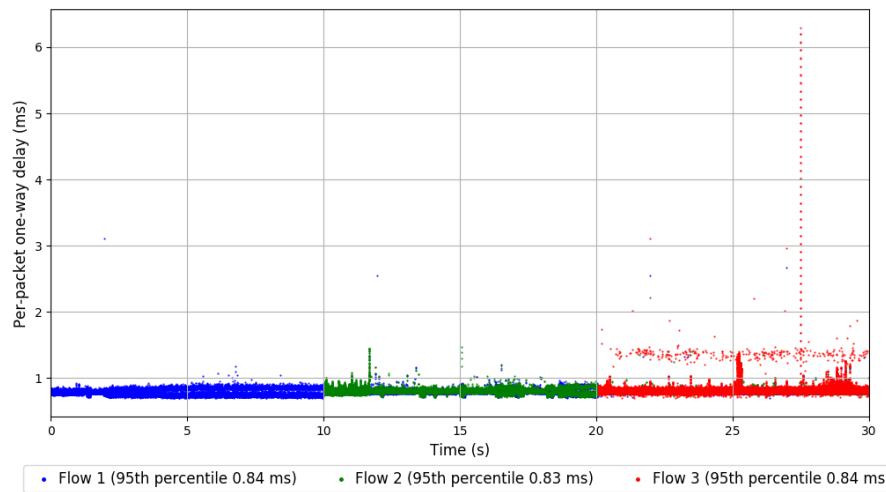
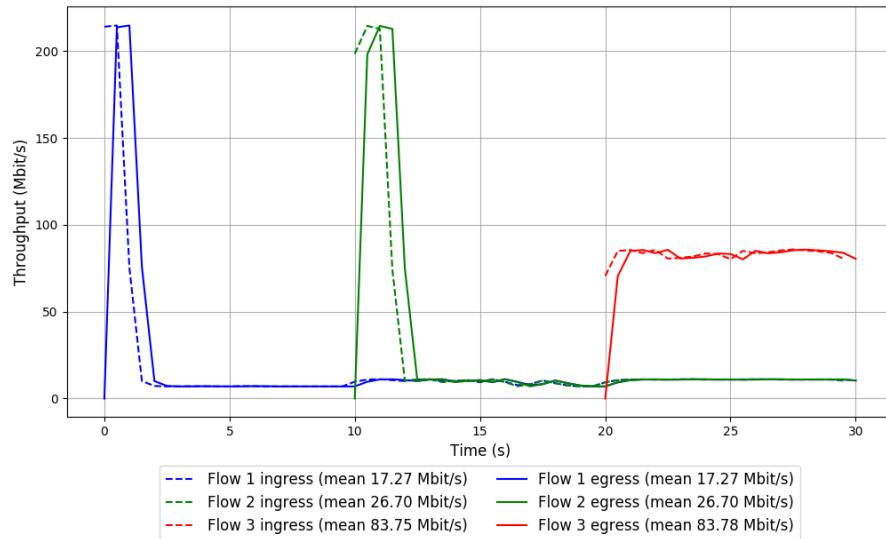


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-18 12:07:45
End at: 2019-07-18 12:08:15
Local clock offset: 3.732 ms
Remote clock offset: 3.478 ms

# Below is generated by plot.py at 2019-07-18 14:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 0.837 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 0.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 0.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 0.837 ms
Loss rate: 0.02%
```

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

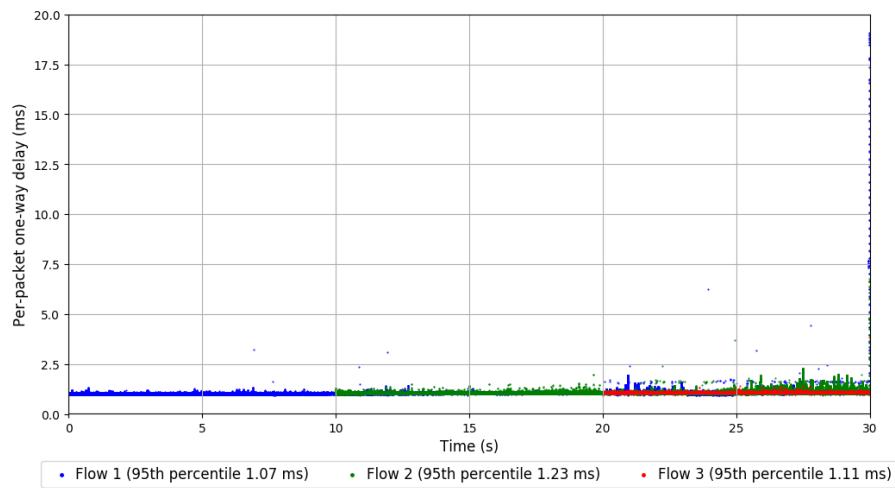
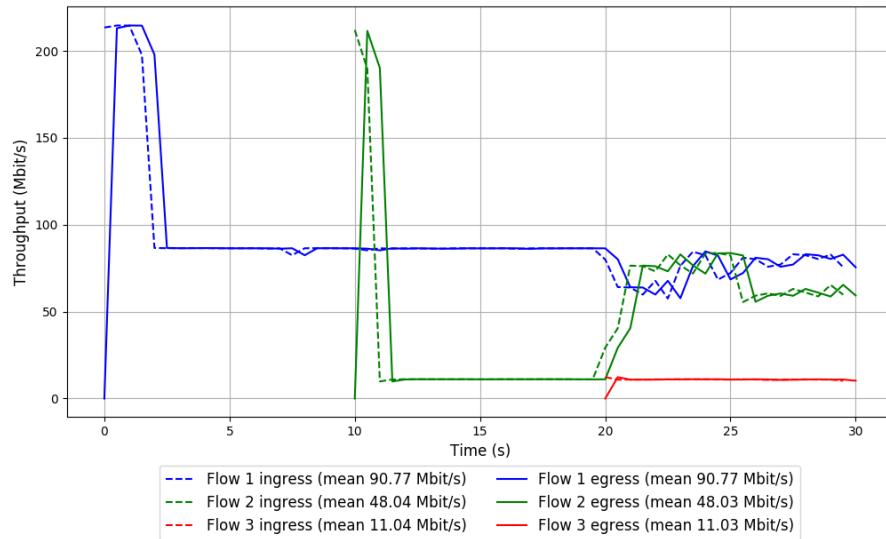


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-18 12:41:56
End at: 2019-07-18 12:42:26
Local clock offset: 0.872 ms
Remote clock offset: 3.082 ms

# Below is generated by plot.py at 2019-07-18 14:30:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.42 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
```

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

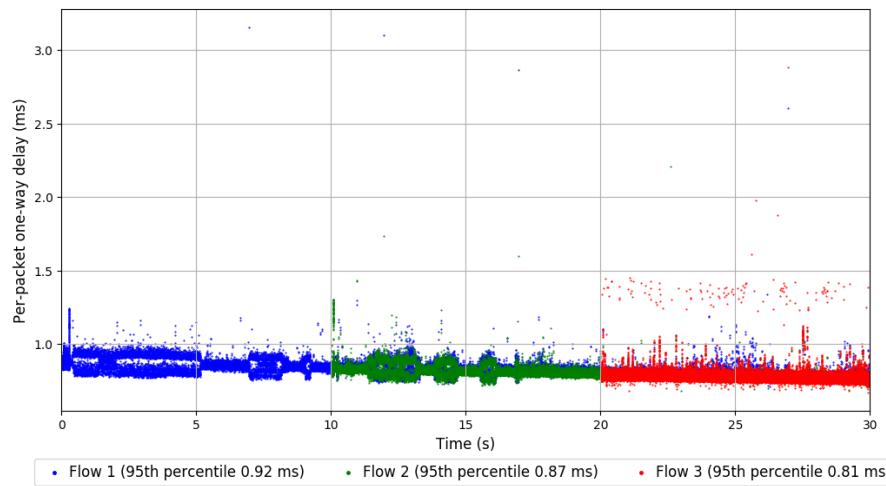
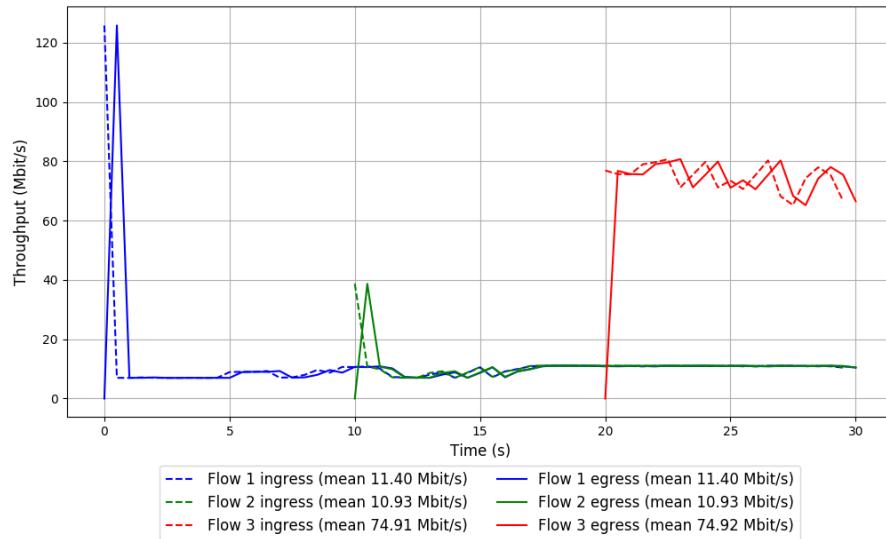


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-18 13:16:26
End at: 2019-07-18 13:16:56
Local clock offset: 0.193 ms
Remote clock offset: 1.887 ms

# Below is generated by plot.py at 2019-07-18 14:30:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 0.878 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 0.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 0.868 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 0.810 ms
Loss rate: 0.01%
```

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

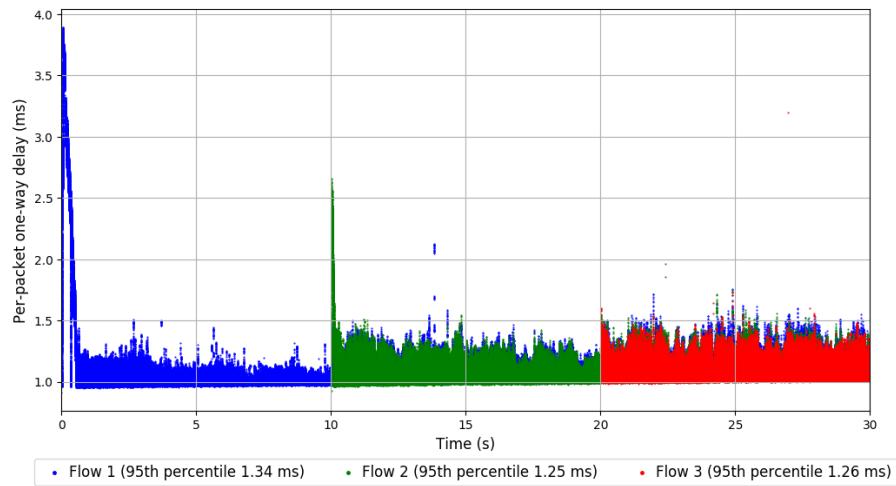
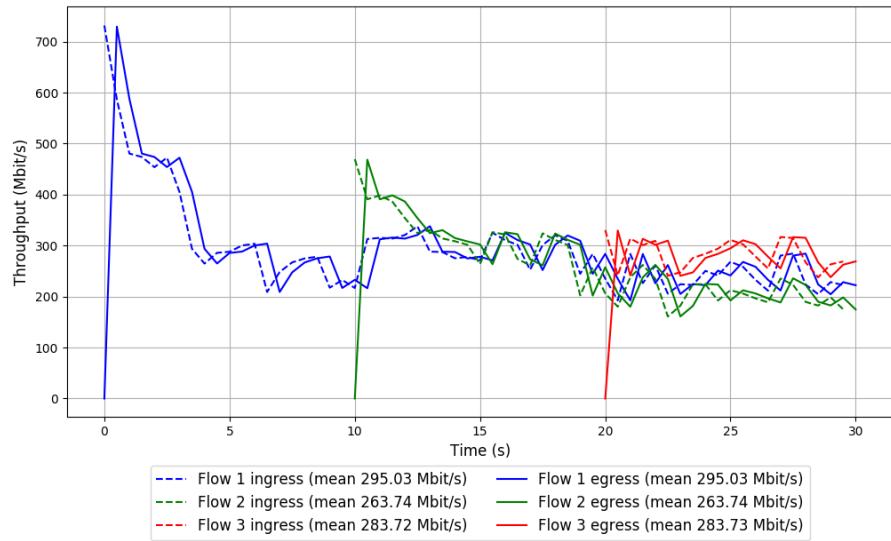


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-18 10:49:18
End at: 2019-07-18 10:49:48
Local clock offset: -1.956 ms
Remote clock offset: 4.794 ms

# Below is generated by plot.py at 2019-07-18 14:34:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.96 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 295.03 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 263.74 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 283.73 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

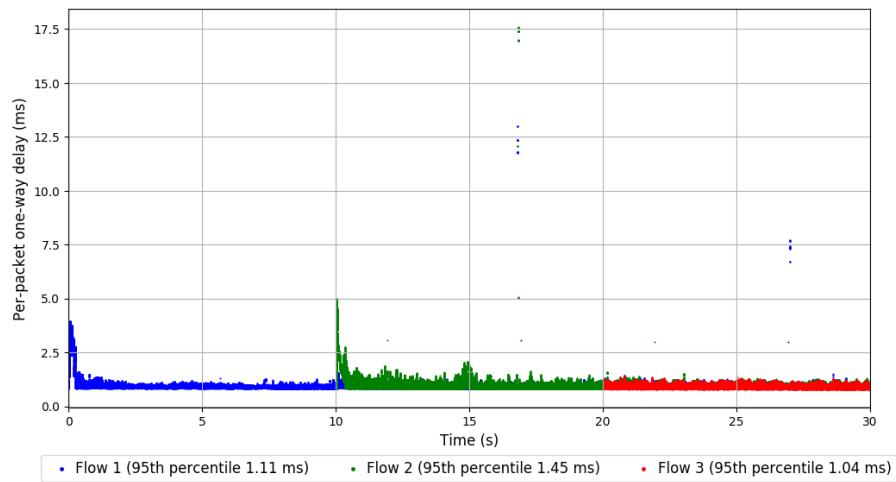
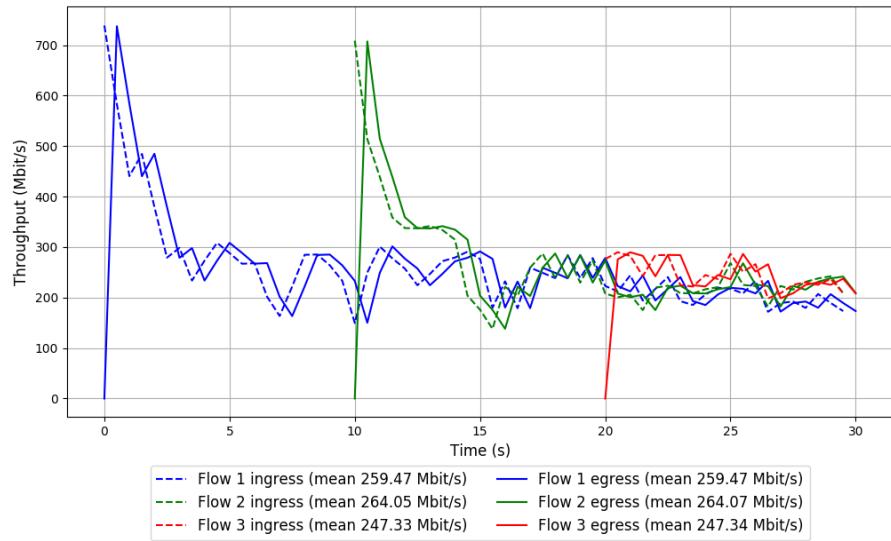


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-18 11:23:36
End at: 2019-07-18 11:24:06
Local clock offset: 5.557 ms
Remote clock offset: 4.581 ms

# Below is generated by plot.py at 2019-07-18 14:34:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 517.44 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 259.47 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 264.07 Mbit/s
95th percentile per-packet one-way delay: 1.453 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 247.34 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.02%
```

Run 2: Report of TCP Vegas — Data Link

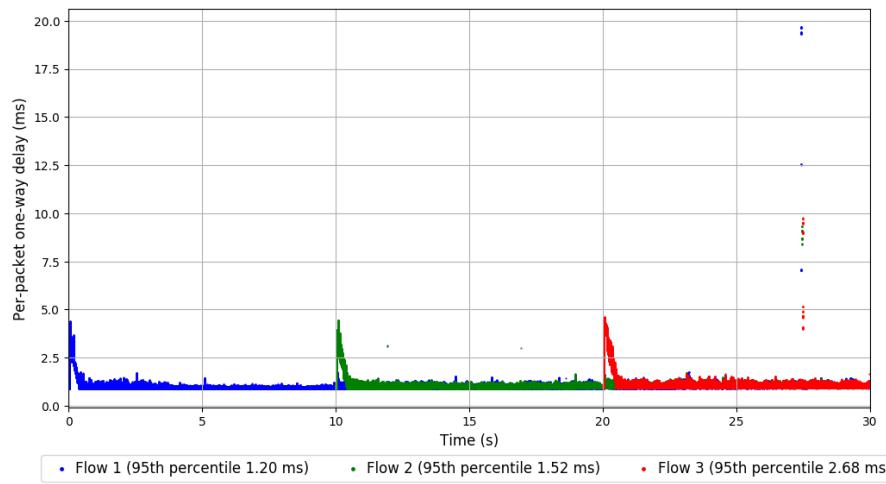
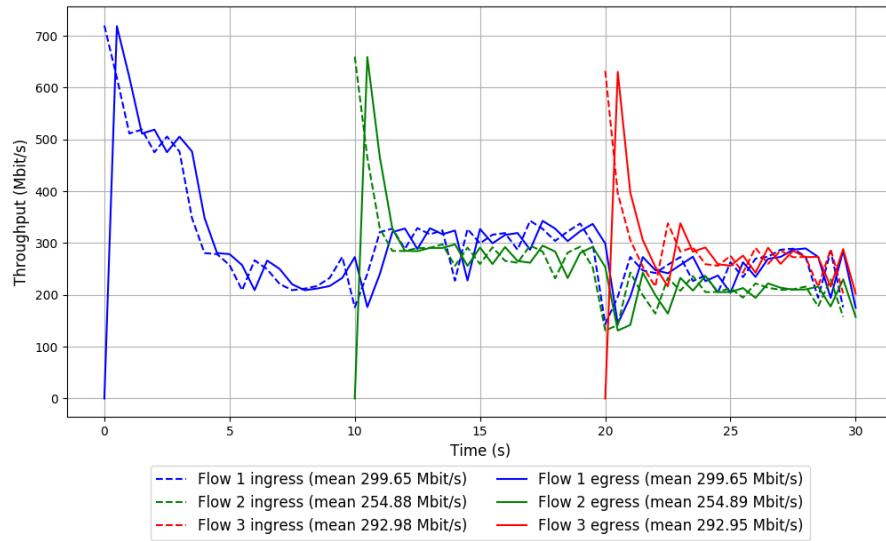


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-18 11:57:58
End at: 2019-07-18 11:58:28
Local clock offset: 4.154 ms
Remote clock offset: 3.436 ms

# Below is generated by plot.py at 2019-07-18 14:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.84 Mbit/s
95th percentile per-packet one-way delay: 1.383 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 299.65 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 254.89 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 292.95 Mbit/s
95th percentile per-packet one-way delay: 2.679 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Vegas — Data Link

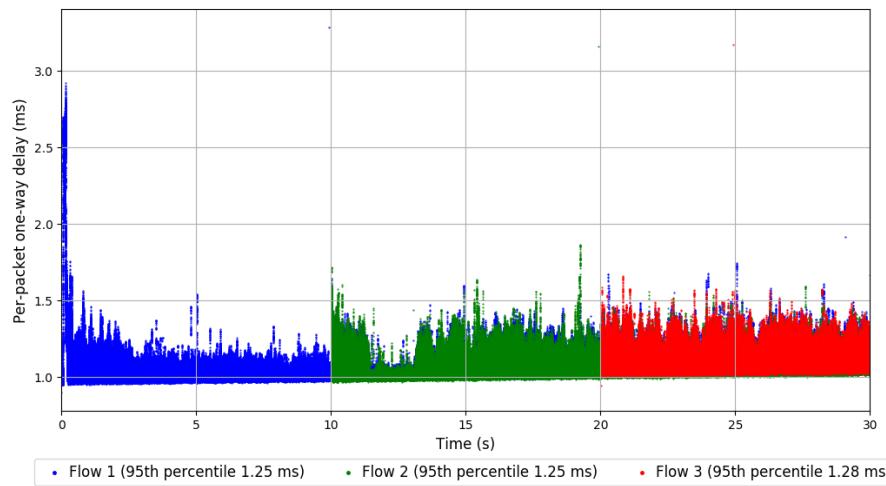
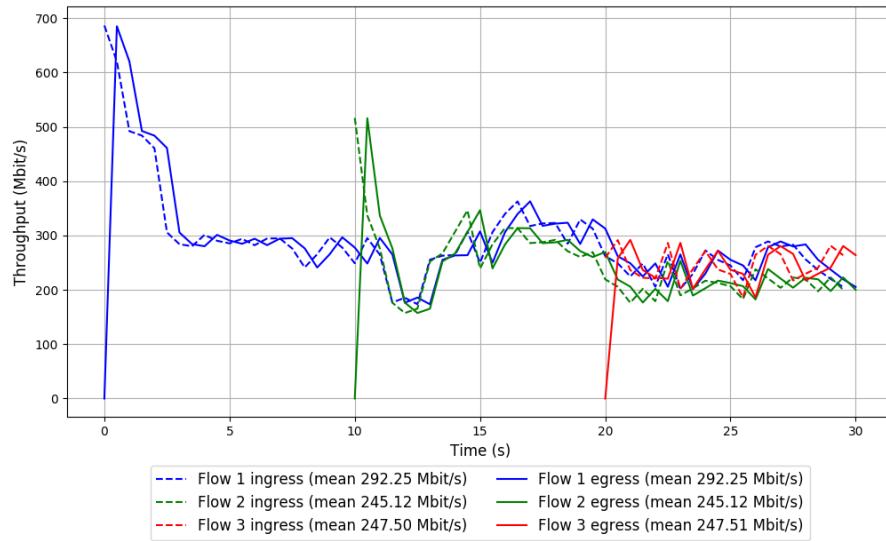


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-18 12:32:07
End at: 2019-07-18 12:32:37
Local clock offset: 1.959 ms
Remote clock offset: 3.105 ms

# Below is generated by plot.py at 2019-07-18 14:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 537.68 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 292.25 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.12 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 247.51 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

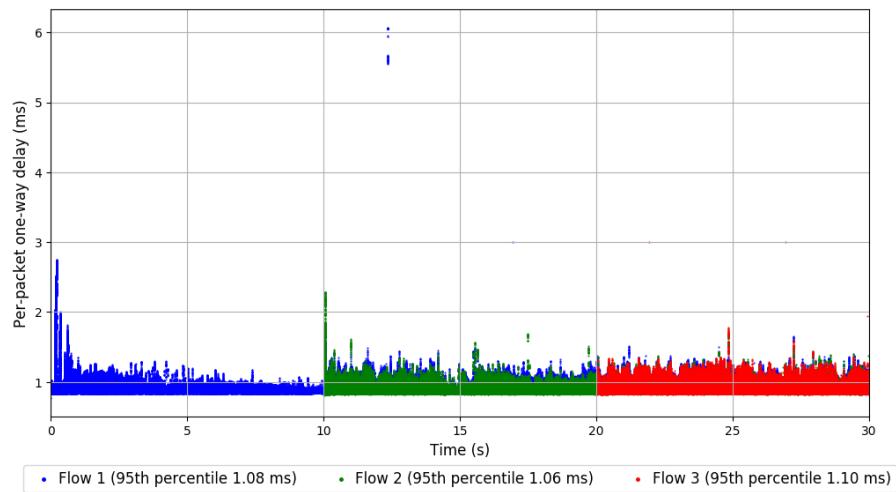
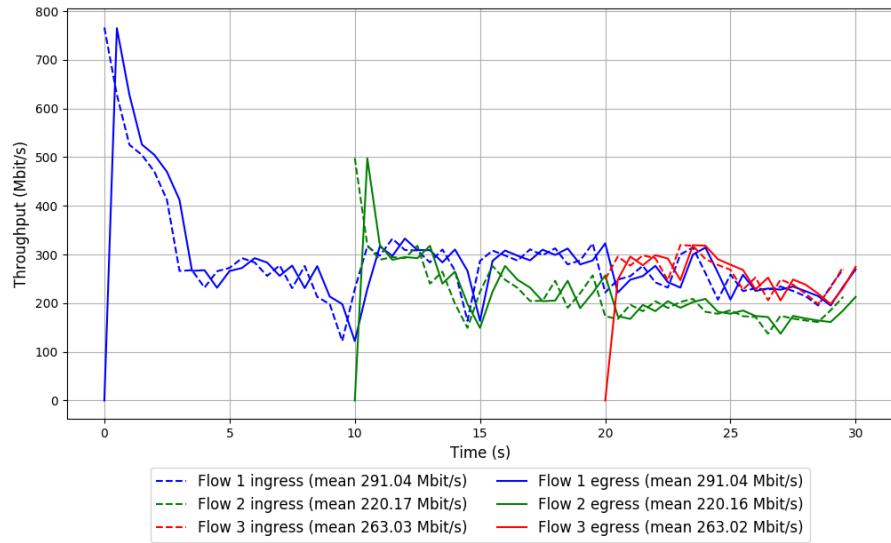


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-18 13:06:37
End at: 2019-07-18 13:07:07
Local clock offset: 0.328 ms
Remote clock offset: 3.23 ms

# Below is generated by plot.py at 2019-07-18 14:34:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 524.92 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 291.04 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 220.16 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 263.02 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

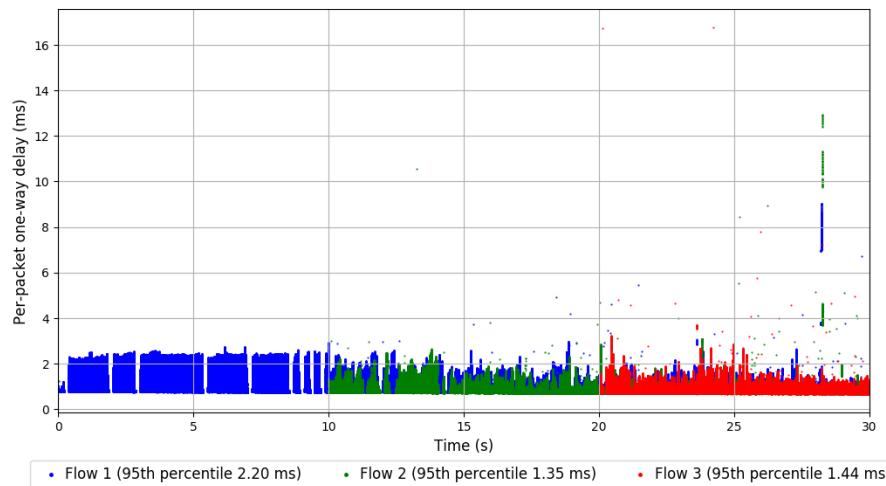
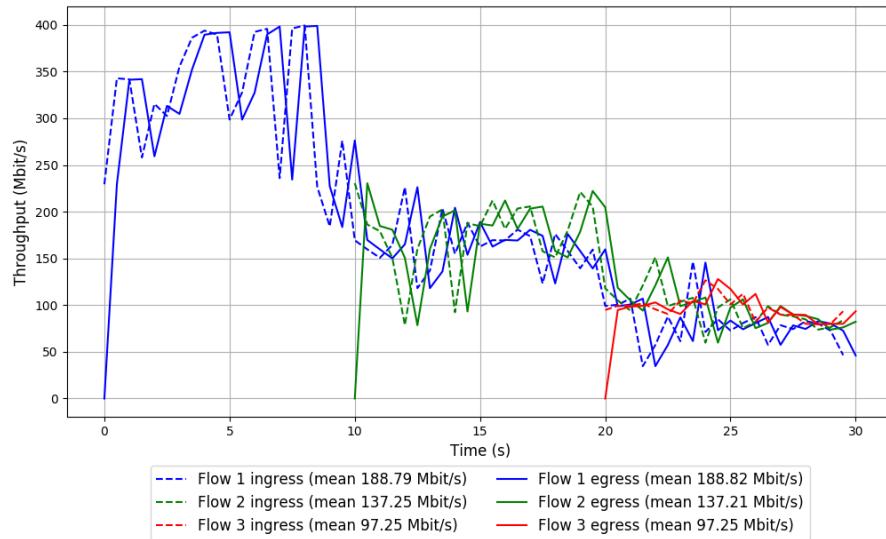


Run 1: Statistics of Verus

```
Start at: 2019-07-18 11:09:23
End at: 2019-07-18 11:09:53
Local clock offset: 3.844 ms
Remote clock offset: 4.459 ms

# Below is generated by plot.py at 2019-07-18 14:34:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.50 Mbit/s
95th percentile per-packet one-way delay: 2.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 188.82 Mbit/s
95th percentile per-packet one-way delay: 2.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.21 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 1.437 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

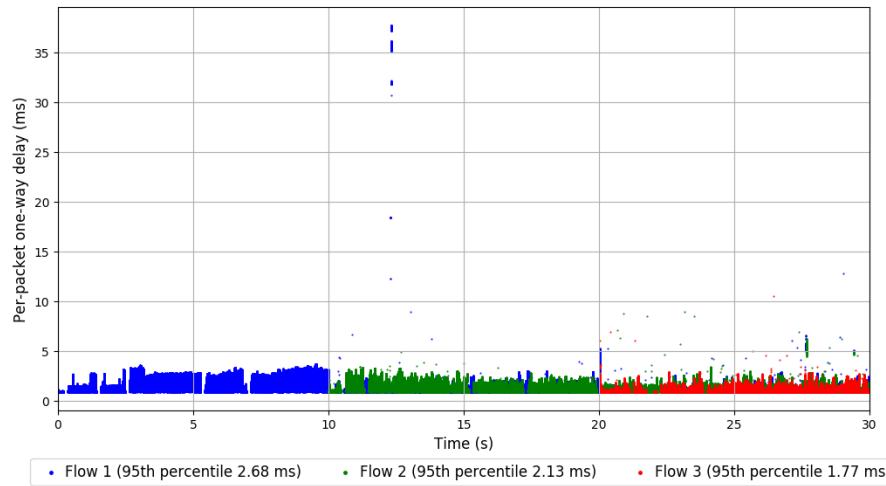
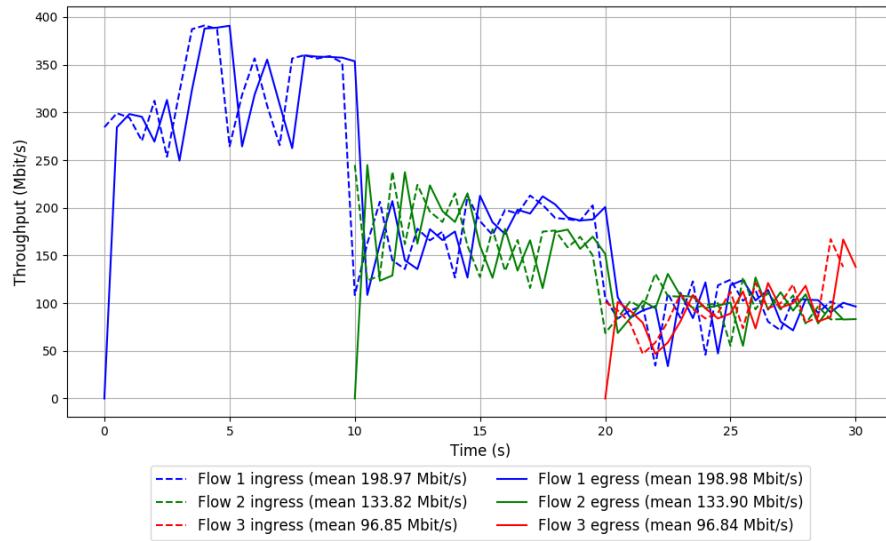


Run 2: Statistics of Verus

```
Start at: 2019-07-18 11:43:39
End at: 2019-07-18 11:44:09
Local clock offset: 4.38 ms
Remote clock offset: 3.657 ms

# Below is generated by plot.py at 2019-07-18 14:34:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.28 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.98 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 133.90 Mbit/s
95th percentile per-packet one-way delay: 2.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 1.768 ms
Loss rate: 0.01%
```

Run 2: Report of Verus — Data Link

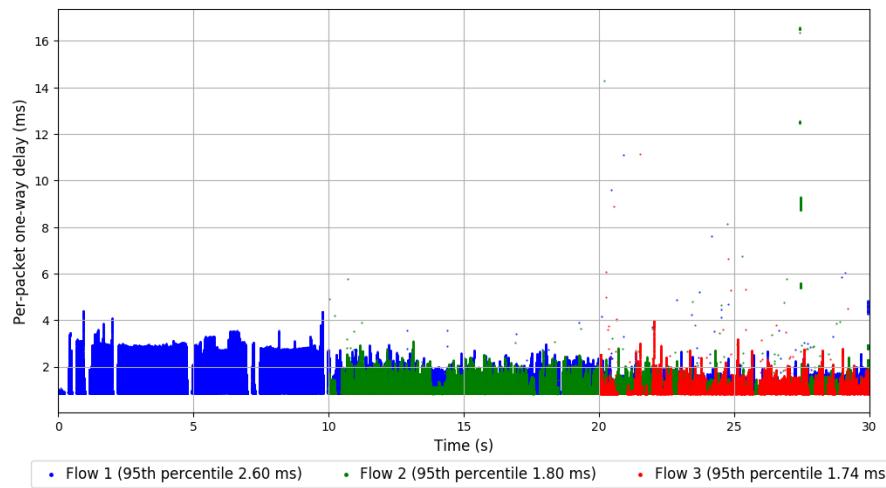
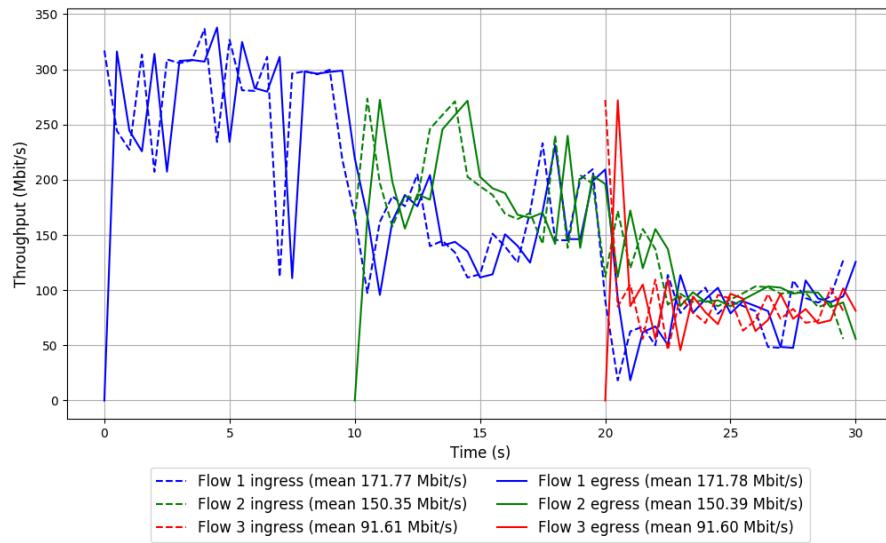


Run 3: Statistics of Verus

```
Start at: 2019-07-18 12:17:50
End at: 2019-07-18 12:18:20
Local clock offset: 3.665 ms
Remote clock offset: 3.324 ms

# Below is generated by plot.py at 2019-07-18 14:34:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 302.29 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 2.596 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 150.39 Mbit/s
95th percentile per-packet one-way delay: 1.799 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 1.742 ms
Loss rate: 0.01%
```

Run 3: Report of Verus — Data Link

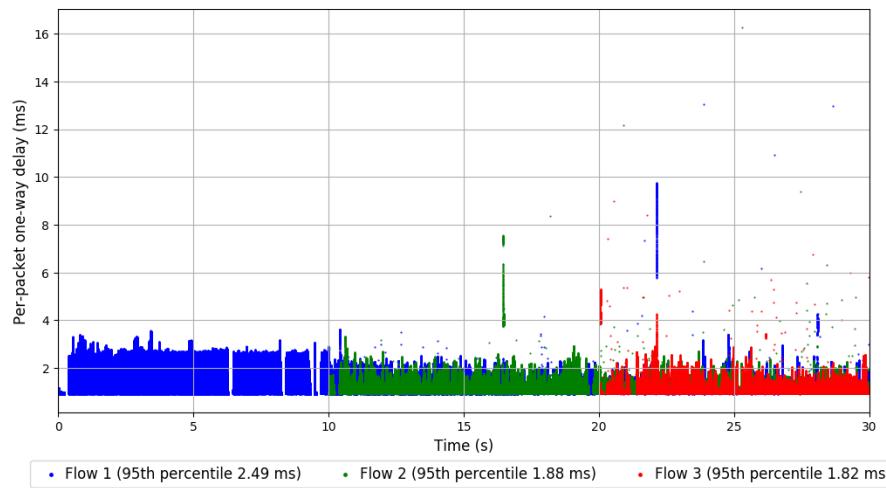
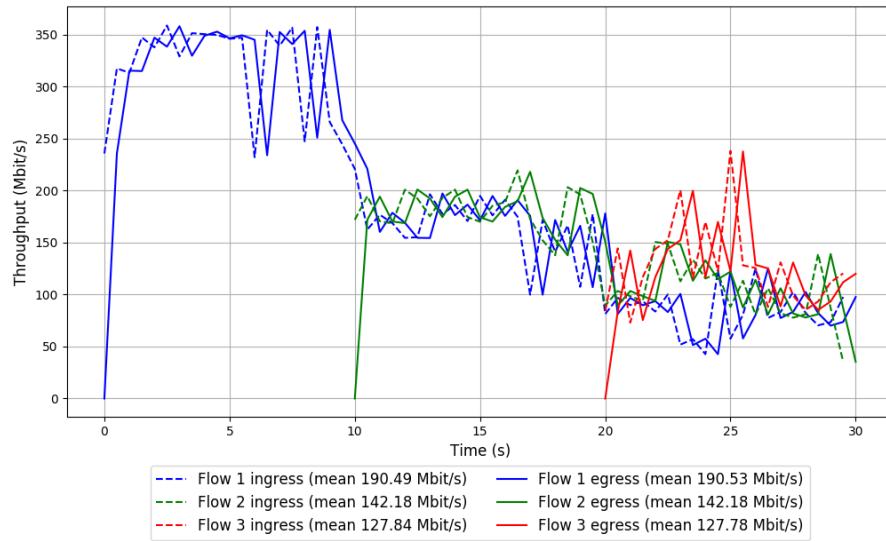


Run 4: Statistics of Verus

```
Start at: 2019-07-18 12:52:17
End at: 2019-07-18 12:52:47
Local clock offset: 0.299 ms
Remote clock offset: 3.262 ms

# Below is generated by plot.py at 2019-07-18 14:36:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.58 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.53 Mbit/s
95th percentile per-packet one-way delay: 2.487 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.18 Mbit/s
95th percentile per-packet one-way delay: 1.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.78 Mbit/s
95th percentile per-packet one-way delay: 1.824 ms
Loss rate: 0.01%
```

Run 4: Report of Verus — Data Link

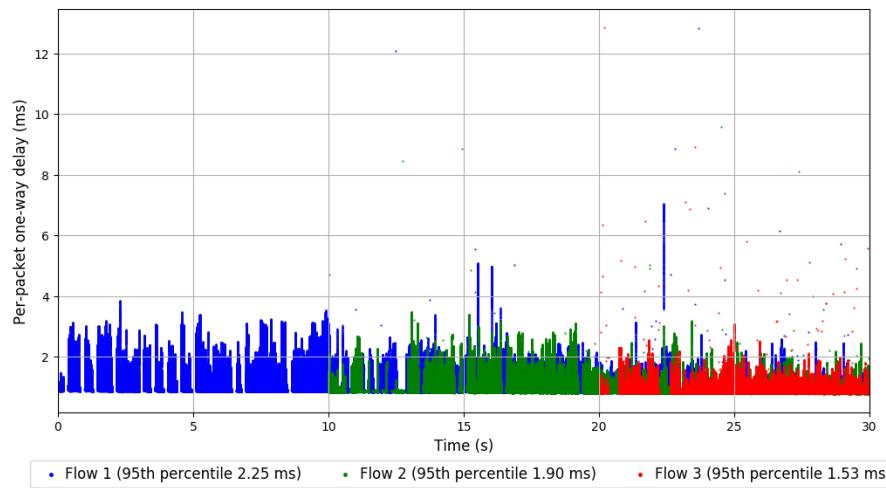
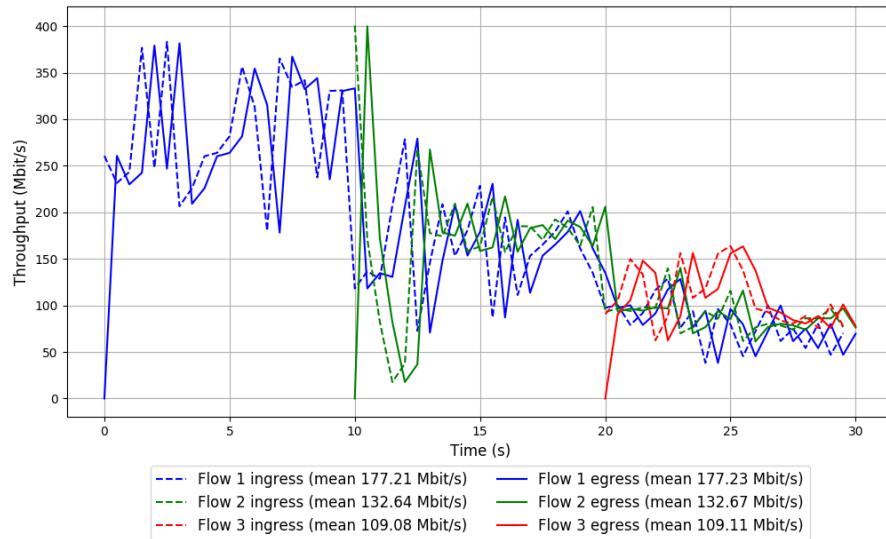


Run 5: Statistics of Verus

```
Start at: 2019-07-18 13:26:41
End at: 2019-07-18 13:27:11
Local clock offset: 0.158 ms
Remote clock offset: 0.276 ms

# Below is generated by plot.py at 2019-07-18 14:36:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.71 Mbit/s
95th percentile per-packet one-way delay: 2.102 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 177.23 Mbit/s
95th percentile per-packet one-way delay: 2.251 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 132.67 Mbit/s
95th percentile per-packet one-way delay: 1.897 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 109.11 Mbit/s
95th percentile per-packet one-way delay: 1.527 ms
Loss rate: 0.02%
```

Run 5: Report of Verus — Data Link

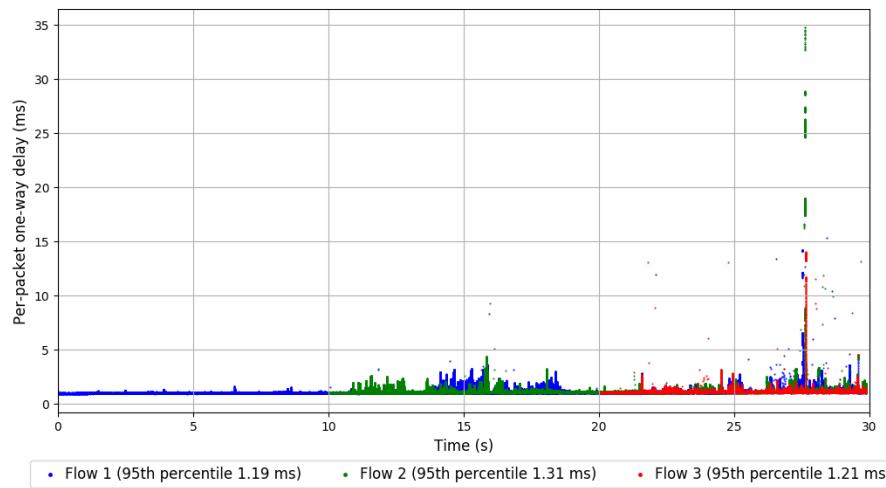
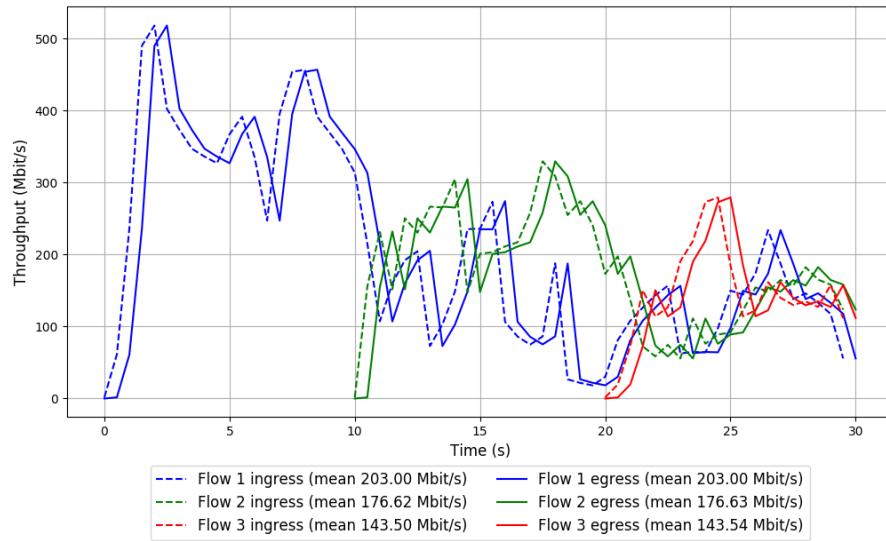


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-18 10:39:30
End at: 2019-07-18 10:40:00
Local clock offset: -0.573 ms
Remote clock offset: 4.58 ms

# Below is generated by plot.py at 2019-07-18 14:37:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.78 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.00 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.63 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 143.54 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

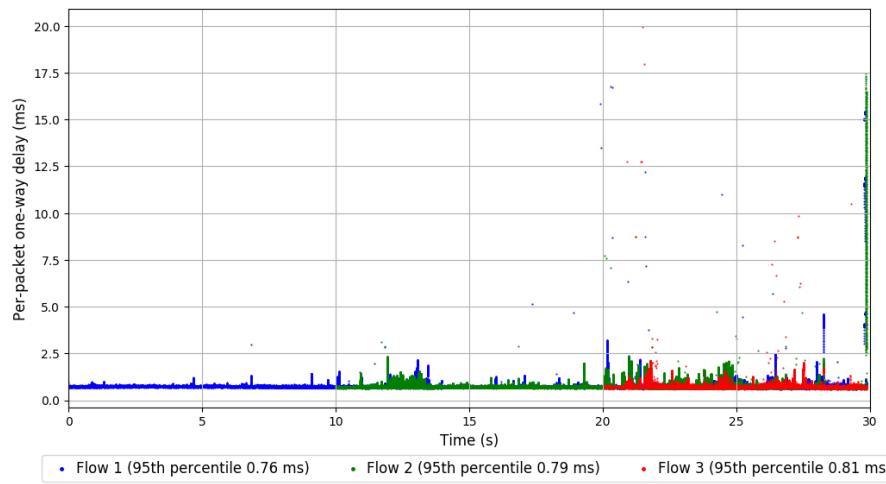
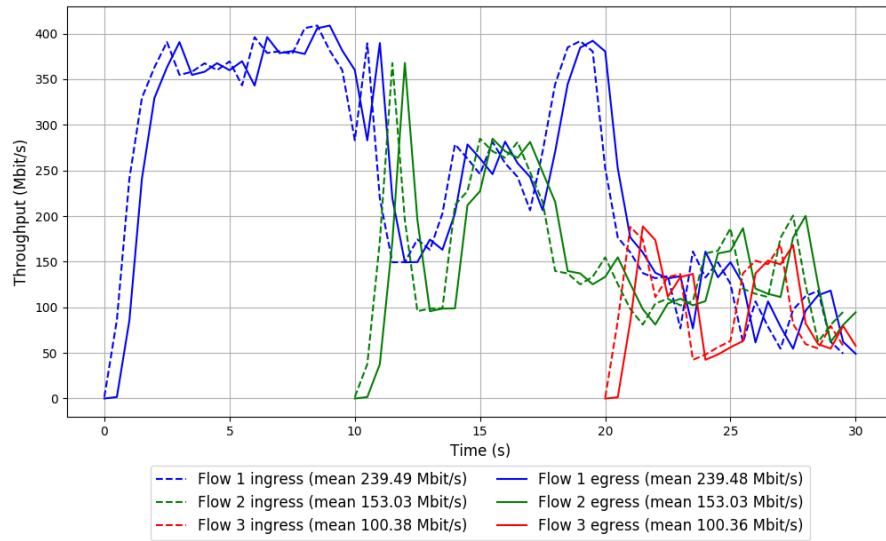


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-18 11:13:47
End at: 2019-07-18 11:14:17
Local clock offset: 4.54 ms
Remote clock offset: 4.503 ms

# Below is generated by plot.py at 2019-07-18 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 374.32 Mbit/s
95th percentile per-packet one-way delay: 0.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.48 Mbit/s
95th percentile per-packet one-way delay: 0.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 153.03 Mbit/s
95th percentile per-packet one-way delay: 0.787 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 100.36 Mbit/s
95th percentile per-packet one-way delay: 0.809 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

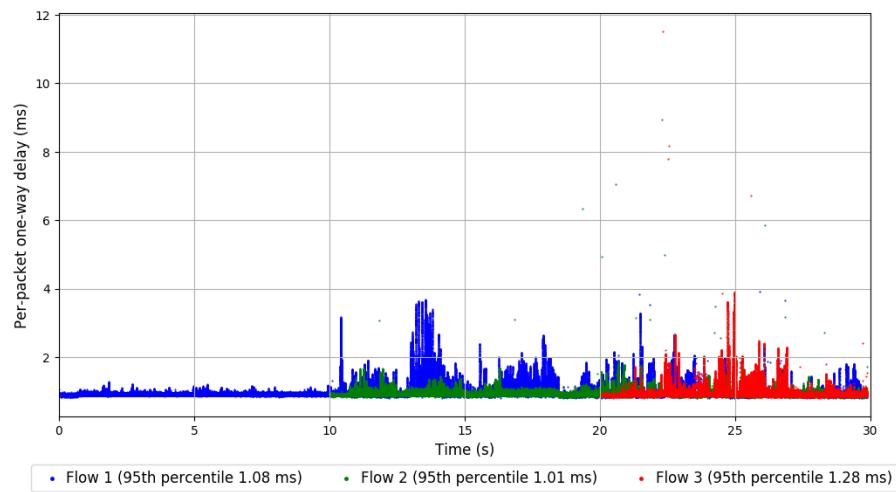
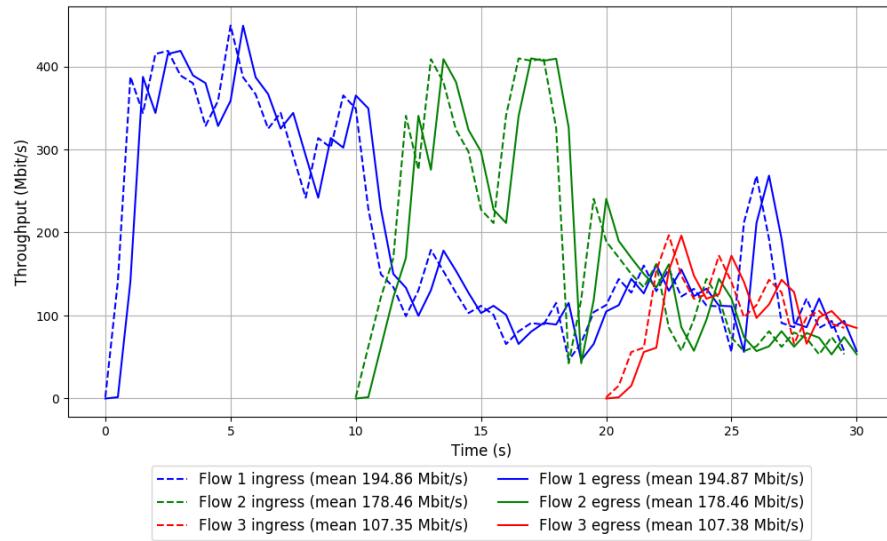


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-18 11:48:09
End at: 2019-07-18 11:48:39
Local clock offset: 4.392 ms
Remote clock offset: 3.562 ms

# Below is generated by plot.py at 2019-07-18 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.97 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.87 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.46 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.02%
```

Run 3: Report of PCC-Vivace — Data Link

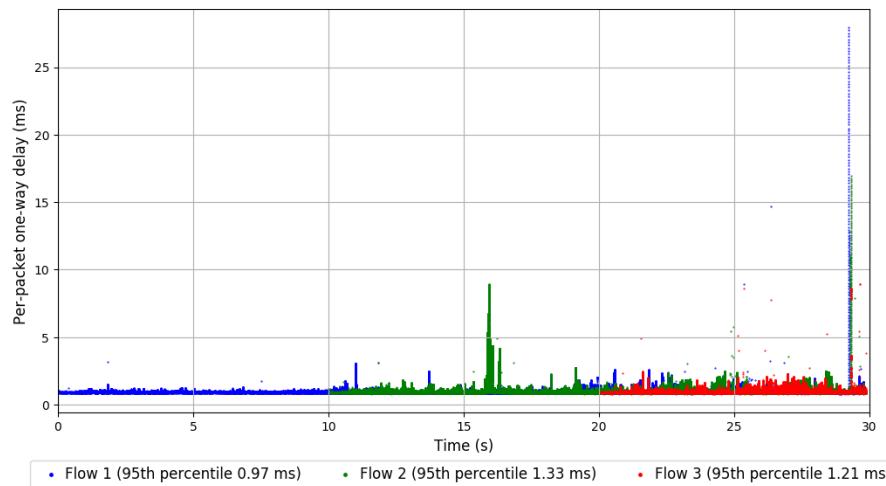
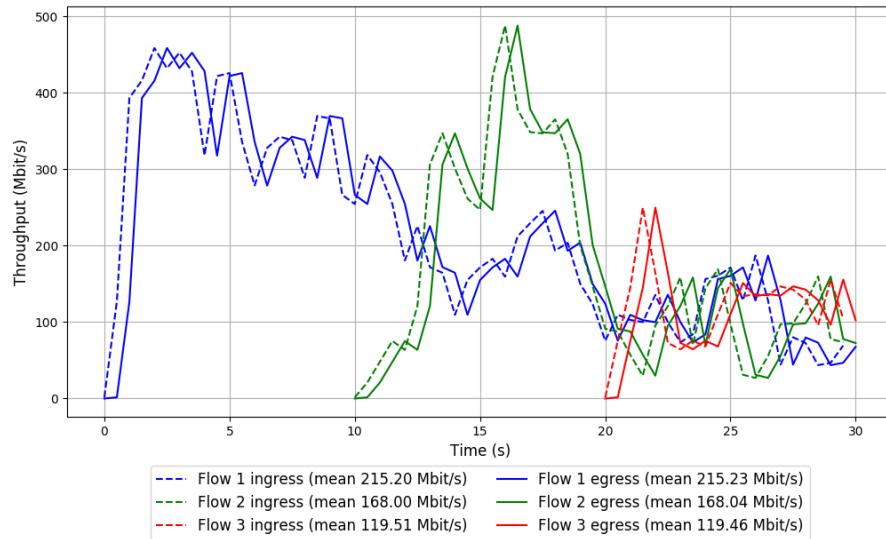


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-18 12:22:16
End at: 2019-07-18 12:22:46
Local clock offset: 3.682 ms
Remote clock offset: 3.262 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.24 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 215.23 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 1.327 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 119.46 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.11%
```

Run 4: Report of PCC-Vivace — Data Link

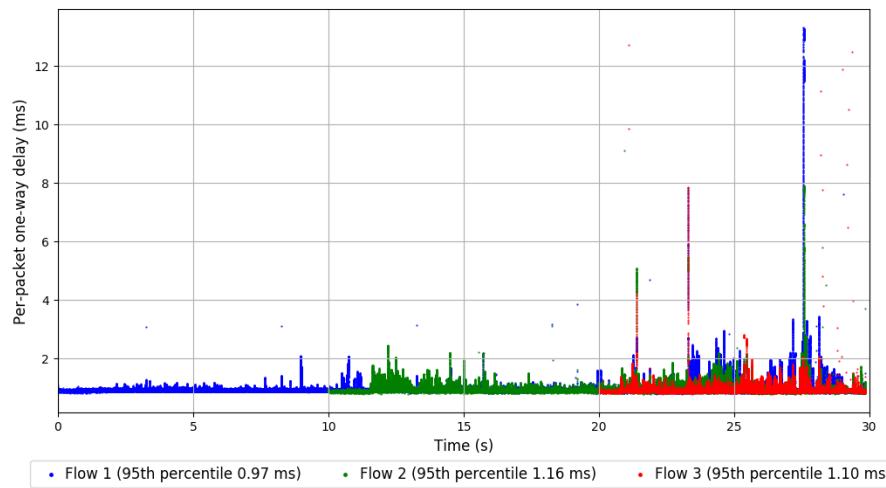
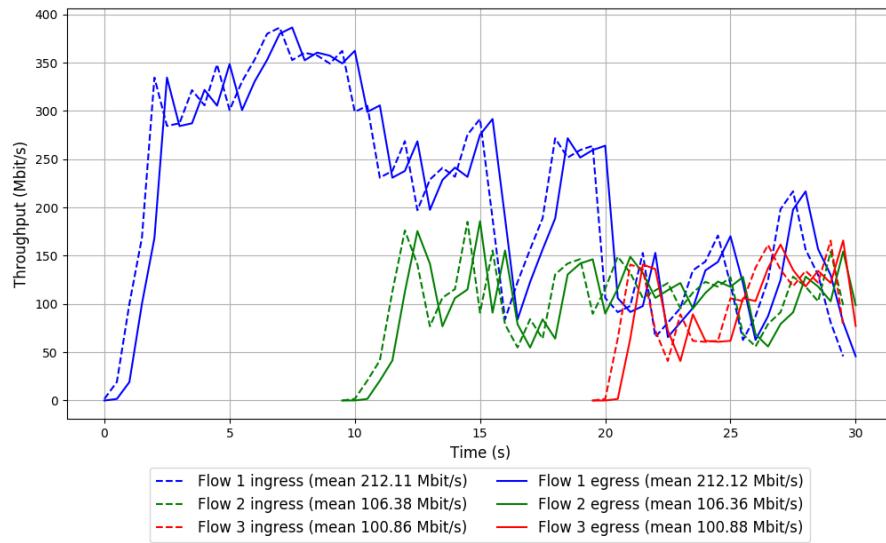


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-18 12:56:46
End at: 2019-07-18 12:57:16
Local clock offset: 0.261 ms
Remote clock offset: 3.271 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.25 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.12 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.36 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.88 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Vivace — Data Link

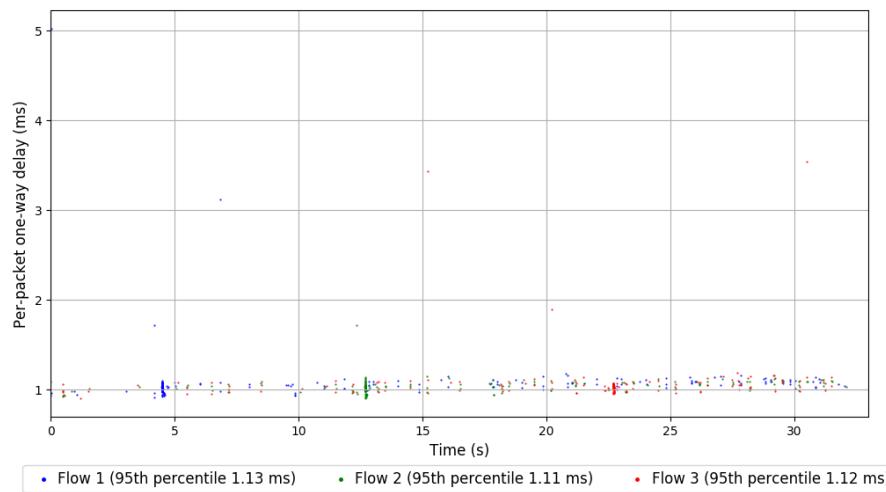
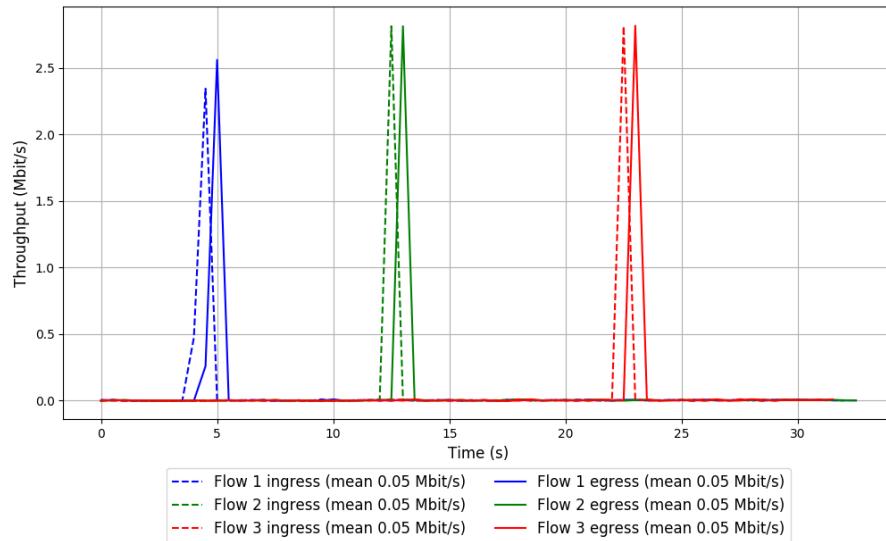


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-18 10:43:46
End at: 2019-07-18 10:44:16
Local clock offset: -1.345 ms
Remote clock offset: 4.644 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

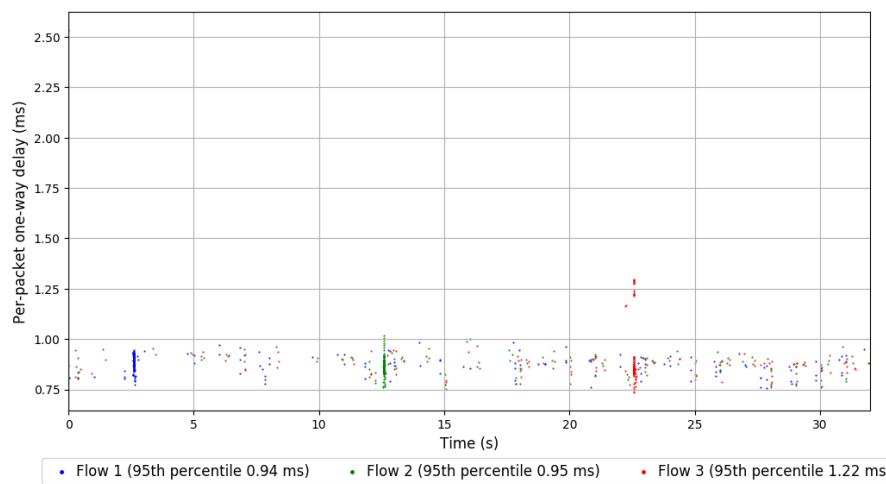
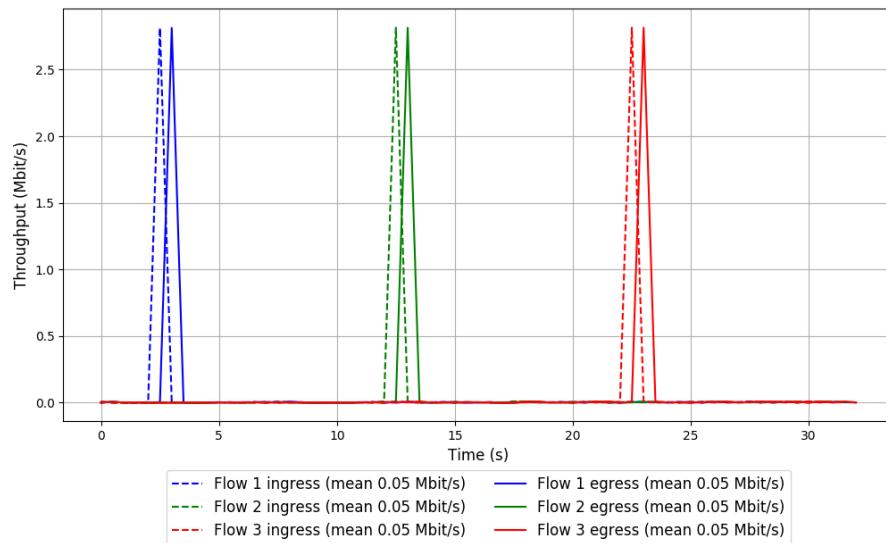


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-18 11:18:03
End at: 2019-07-18 11:18:33
Local clock offset: 5.092 ms
Remote clock offset: 4.53 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 0.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.939 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

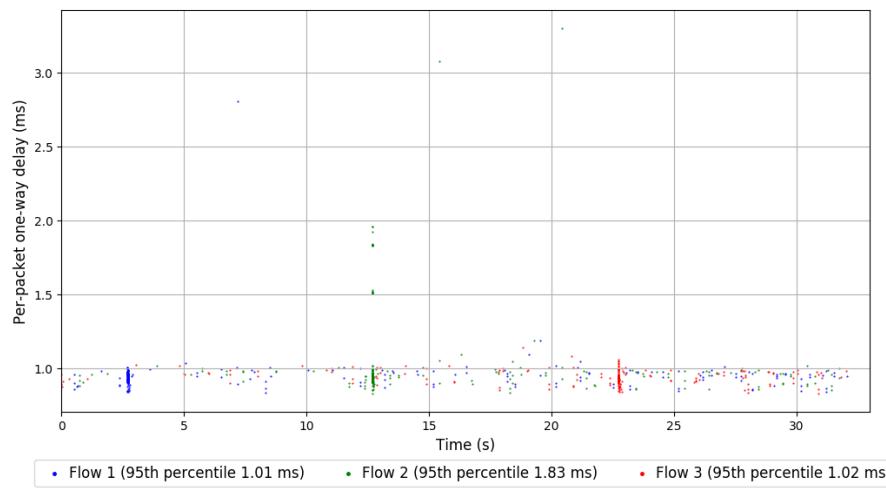
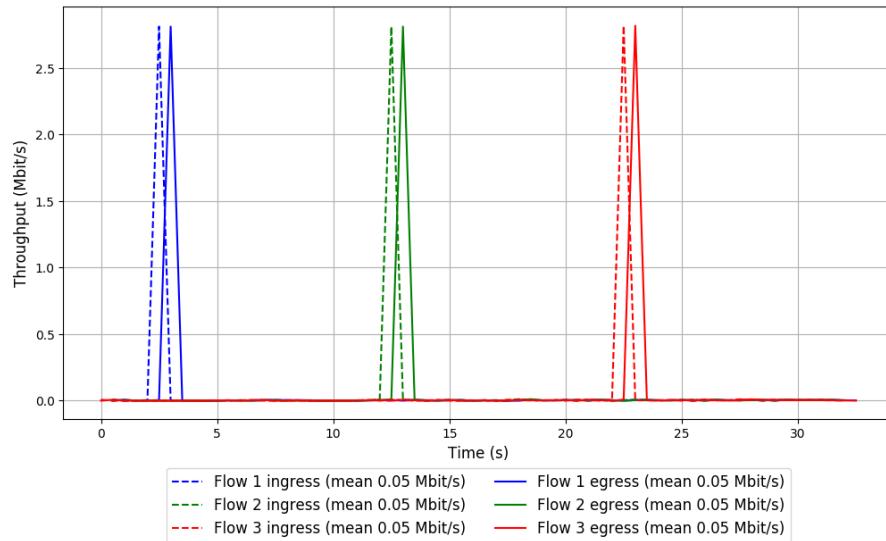


```
Run 3: Statistics of WebRTC media

Start at: 2019-07-18 11:52:26
End at: 2019-07-18 11:52:56
Local clock offset: 4.42 ms
Remote clock offset: 3.479 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

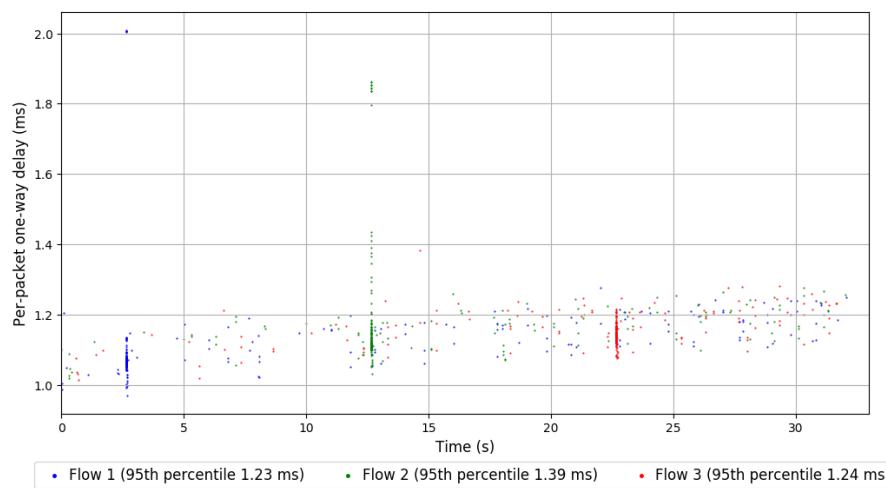
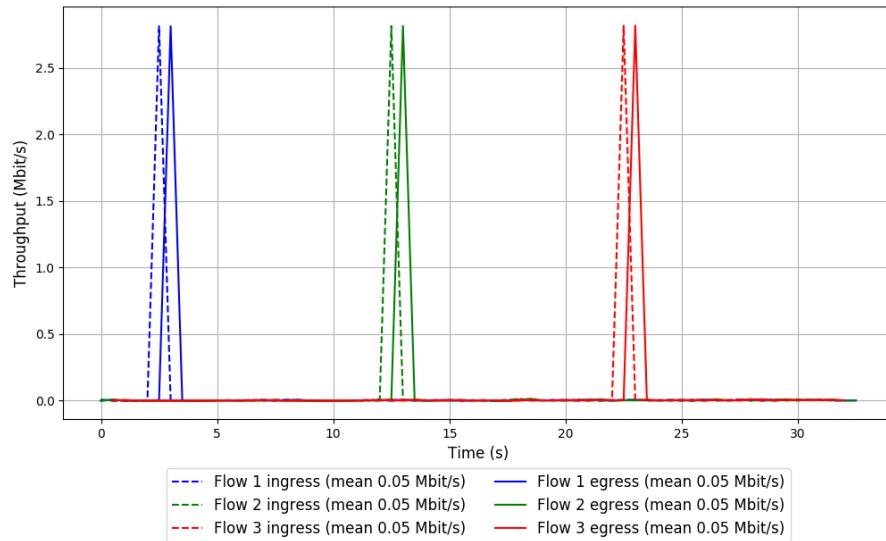


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-18 12:26:34
End at: 2019-07-18 12:27:04
Local clock offset: 3.183 ms
Remote clock offset: 3.242 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-07-18 13:01:04
End at: 2019-07-18 13:01:34
Local clock offset: 0.345 ms
Remote clock offset: 3.324 ms

# Below is generated by plot.py at 2019-07-18 14:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

