

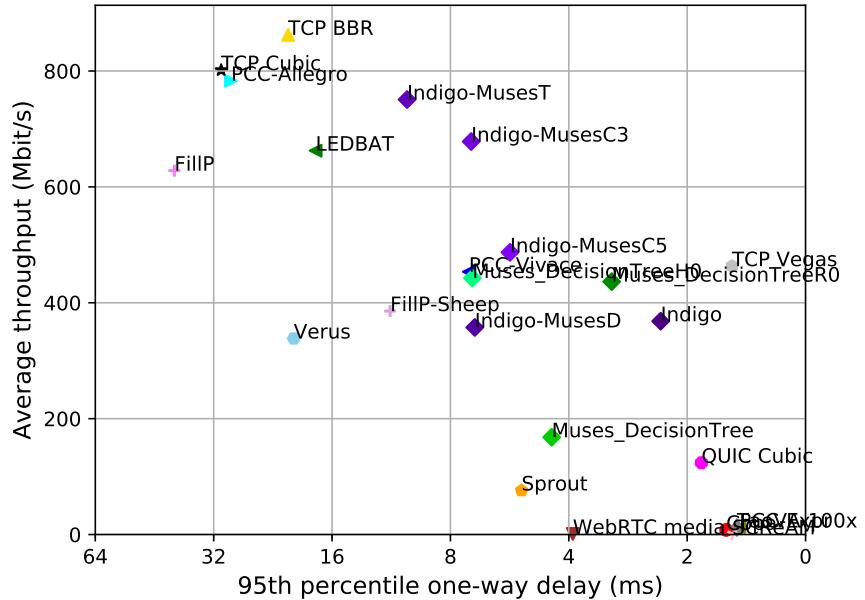
## Pantheon Report

Generated at 2019-12-11 10:44:50 (UTC).  
Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).  
Repeated the test of 24 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

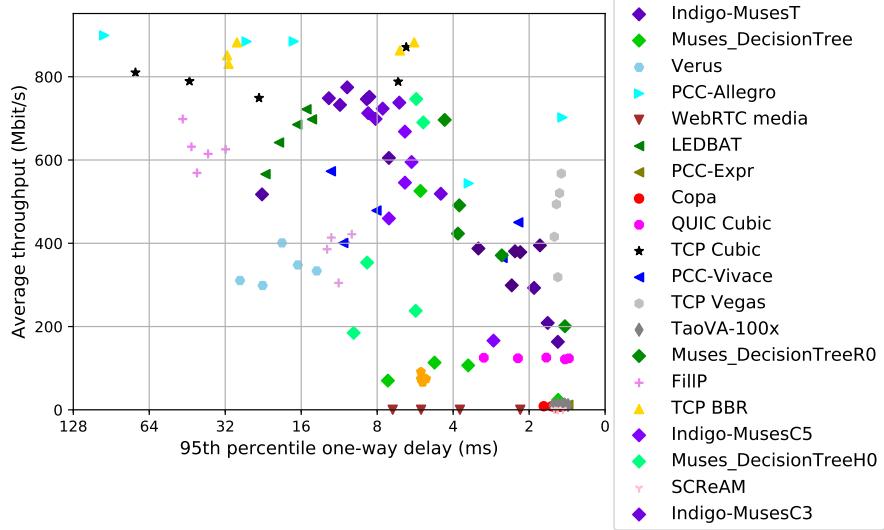
```
System info:  
Linux 4.15.0-1054-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec  
third_party/fillp @ d6da1459332fceef56963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966  
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

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

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



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



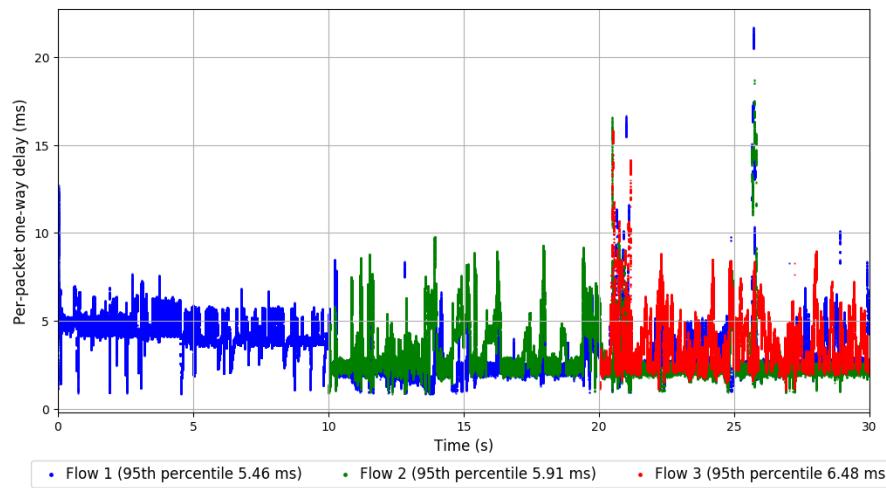
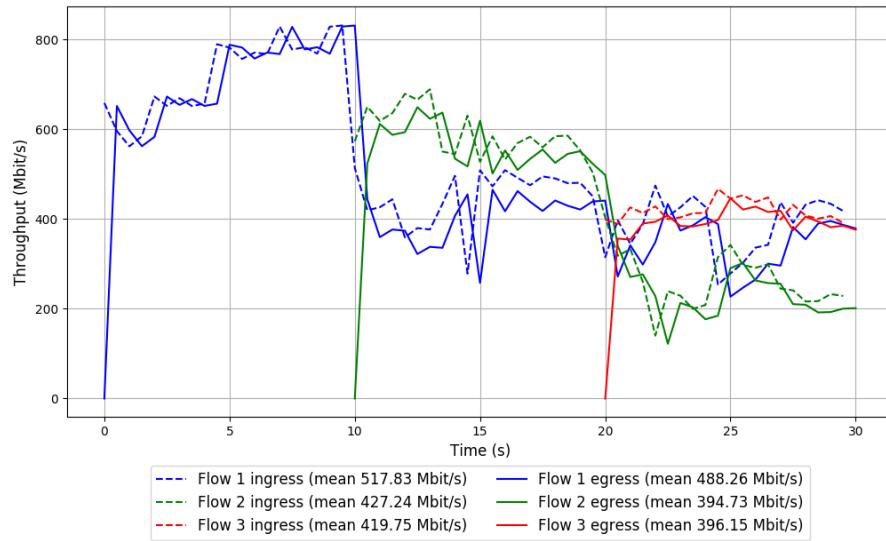
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	473.52	392.85	382.45	20.39	17.62	14.63	5.24	7.92	8.57
Copa	5	0.00	9.70	5.95	0.99	1.42	1.31	97.95	55.20	68.87
TCP Cubic	5	518.37	267.09	316.40	34.07	2.95	2.22	0.07	0.10	0.06
FillP	5	380.72	249.76	244.01	37.66	33.27	47.51	7.76	11.69	15.18
FillP-Sheep	5	263.22	137.53	93.37	12.28	5.69	5.29	3.26	5.68	8.29
Indigo	5	182.82	189.43	185.80	2.04	2.14	2.99	0.00	0.00	0.00
Indigo-MusesC3	5	421.81	286.70	248.34	7.21	2.91	3.39	0.42	0.80	0.74
Indigo-MusesC5	5	225.10	327.85	177.59	3.91	5.60	2.15	0.38	0.57	1.00
Indigo-MusesD	5	189.72	195.61	139.22	2.51	5.75	1.70	0.01	0.05	0.03
Indigo-MusesT	5	454.40	333.38	288.73	11.44	4.89	4.99	1.29	1.62	2.15
LEDBAT	5	369.39	327.35	239.07	14.62	8.66	4.69	0.12	0.19	0.29
Muses_DecisionTree	5	109.10	44.25	89.79	2.08	2.37	5.40	0.00	0.01	0.05
Muses_DecisionTreeH0	5	180.30	315.54	163.66	3.06	4.92	3.81	0.27	0.48	0.17
Muses_DecisionTreeR0	5	194.73	296.10	139.98	2.50	2.39	1.35	0.01	0.03	0.04
PCC-Allegro	5	579.11	277.79	58.15	30.45	2.28	1.78	0.52	0.30	0.22
PCC-Expr	5	7.07	6.25	2.60	1.14	1.07	1.05	59.17	63.86	69.93
QUIC Cubic	5	68.53	58.38	50.49	1.45	1.73	3.83	0.00	0.00	0.01
SCReAM	5	0.22	0.22	0.22	1.24	1.21	1.24	0.00	0.00	0.00
Sprout	5	39.86	39.78	29.42	5.08	5.20	5.18	0.03	0.01	0.05
TaoVA-100x	5	8.54	4.36	8.96	1.32	1.13	1.15	69.06	81.33	90.76
TCP Vegas	5	224.18	217.86	282.16	1.17	1.23	1.27	0.01	0.04	0.04
Verus	5	188.19	174.90	102.45	16.40	20.34	37.83	10.44	9.22	9.59
PCC-Vivace	5	275.08	203.80	129.91	3.16	19.37	12.65	0.04	0.04	0.02
WebRTC media	5	0.51	0.33	0.18	5.05	2.93	4.29	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2019-12-11 06:44:37
End at: 2019-12-11 06:45:07
Local clock offset: 4.256 ms
Remote clock offset: -0.365 ms

# Below is generated by plot.py at 2019-12-11 09:46:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 882.90 Mbit/s
95th percentile per-packet one-way delay: 5.708 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 488.26 Mbit/s
95th percentile per-packet one-way delay: 5.459 ms
Loss rate: 5.71%
-- Flow 2:
Average throughput: 394.73 Mbit/s
95th percentile per-packet one-way delay: 5.905 ms
Loss rate: 7.59%
-- Flow 3:
Average throughput: 396.15 Mbit/s
95th percentile per-packet one-way delay: 6.484 ms
Loss rate: 5.61%
```

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

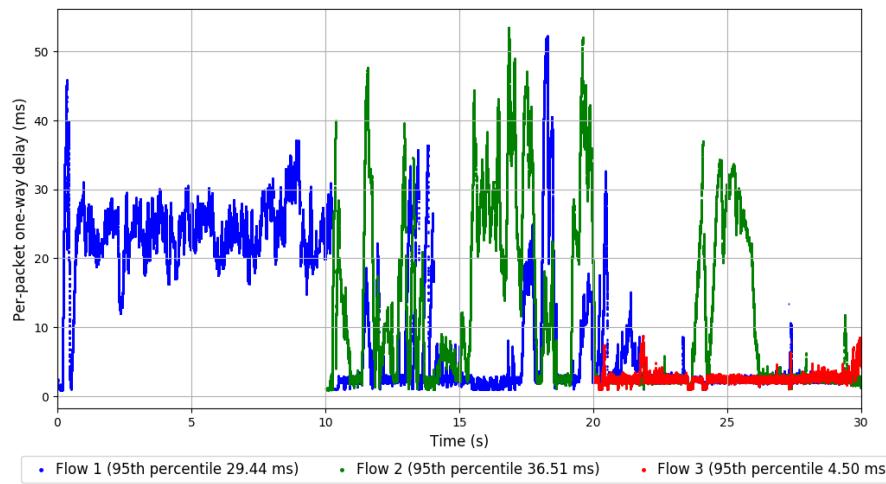
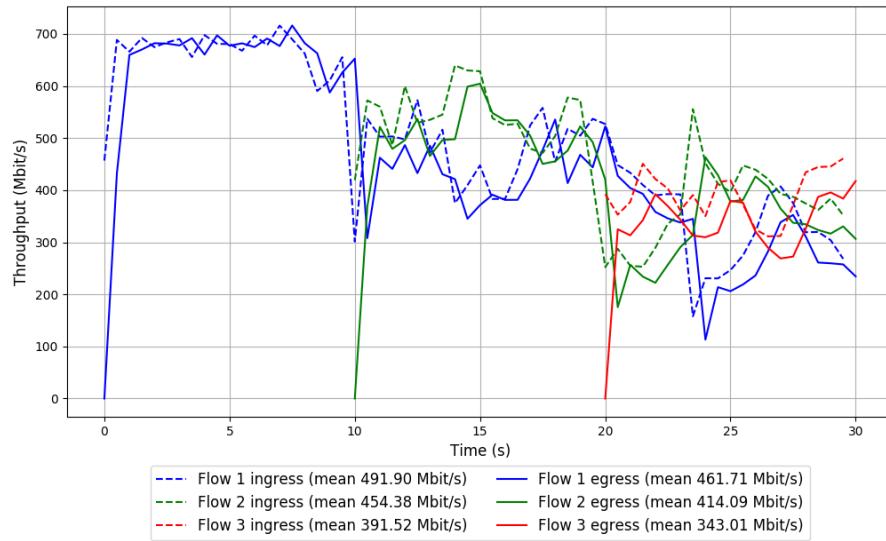


Run 2: Statistics of TCP BBR

```
Start at: 2019-12-11 07:20:13
End at: 2019-12-11 07:20:43
Local clock offset: 4.48 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2019-12-11 09:46:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 851.64 Mbit/s
95th percentile per-packet one-way delay: 31.443 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 461.71 Mbit/s
95th percentile per-packet one-way delay: 29.437 ms
Loss rate: 6.13%
-- Flow 2:
Average throughput: 414.09 Mbit/s
95th percentile per-packet one-way delay: 36.507 ms
Loss rate: 8.87%
-- Flow 3:
Average throughput: 343.01 Mbit/s
95th percentile per-packet one-way delay: 4.500 ms
Loss rate: 12.39%
```

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

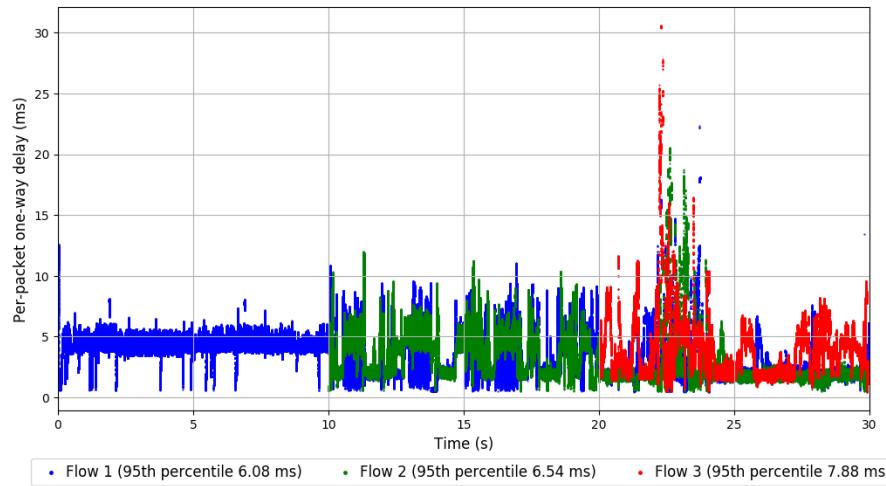
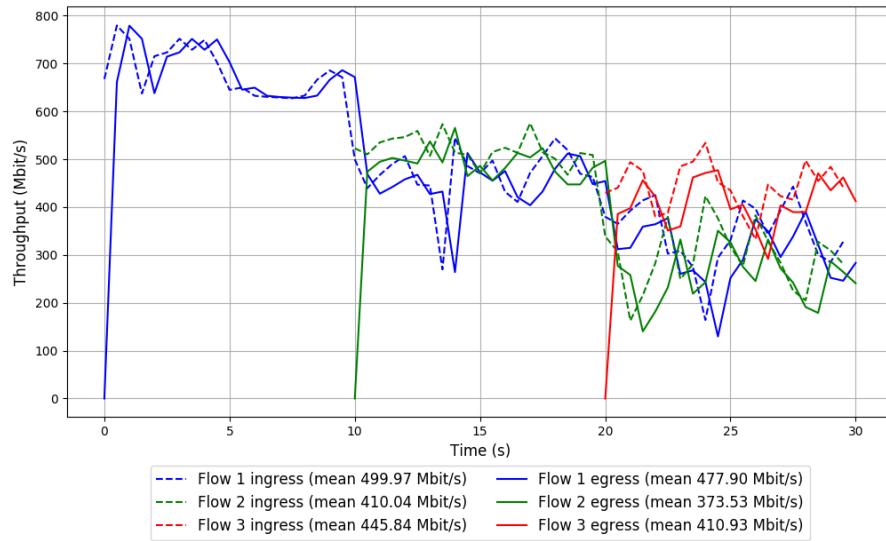


Run 3: Statistics of TCP BBR

```
Start at: 2019-12-11 07:55:34
End at: 2019-12-11 07:56:04
Local clock offset: 3.424 ms
Remote clock offset: -3.521 ms

# Below is generated by plot.py at 2019-12-11 09:46:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 863.31 Mbit/s
95th percentile per-packet one-way delay: 6.505 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 477.90 Mbit/s
95th percentile per-packet one-way delay: 6.081 ms
Loss rate: 4.41%
-- Flow 2:
Average throughput: 373.53 Mbit/s
95th percentile per-packet one-way delay: 6.538 ms
Loss rate: 8.90%
-- Flow 3:
Average throughput: 410.93 Mbit/s
95th percentile per-packet one-way delay: 7.875 ms
Loss rate: 7.83%
```

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

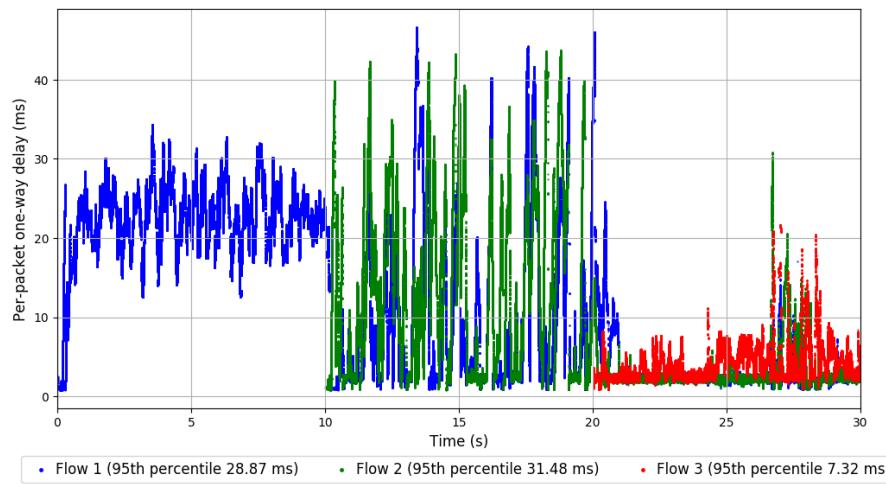
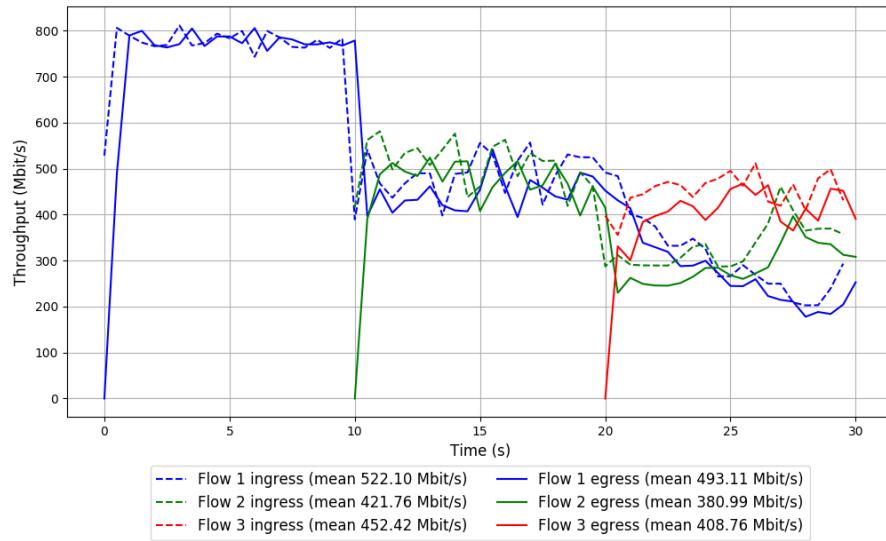


Run 4: Statistics of TCP BBR

```
Start at: 2019-12-11 08:30:30
End at: 2019-12-11 08:31:00
Local clock offset: 3.415 ms
Remote clock offset: -0.837 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 882.73 Mbit/s
95th percentile per-packet one-way delay: 28.750 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 493.11 Mbit/s
95th percentile per-packet one-way delay: 28.871 ms
Loss rate: 5.55%
-- Flow 2:
Average throughput: 380.99 Mbit/s
95th percentile per-packet one-way delay: 31.477 ms
Loss rate: 9.66%
-- Flow 3:
Average throughput: 408.76 Mbit/s
95th percentile per-packet one-way delay: 7.324 ms
Loss rate: 9.64%
```

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

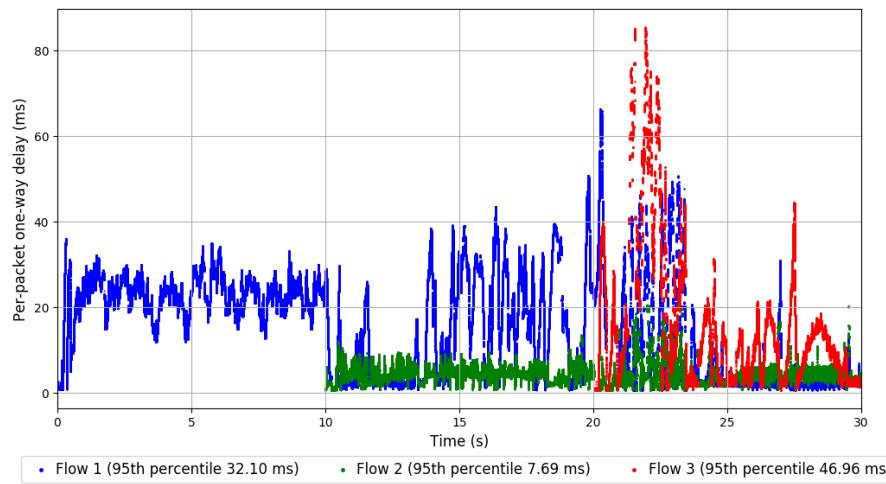
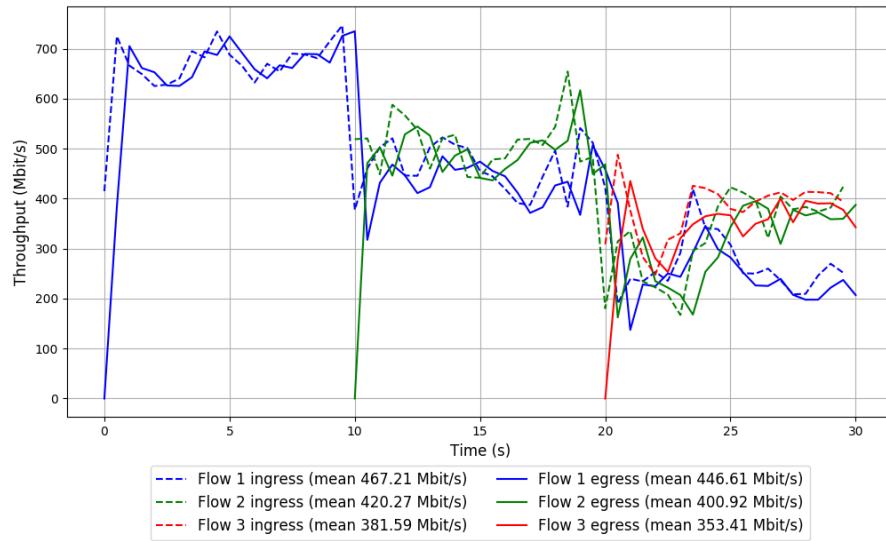


Run 5: Statistics of TCP BBR

```
Start at: 2019-12-11 09:05:35
End at: 2019-12-11 09:06:05
Local clock offset: 3.025 ms
Remote clock offset: -2.163 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 831.10 Mbit/s
95th percentile per-packet one-way delay: 31.050 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 446.61 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 4.40%
-- Flow 2:
Average throughput: 400.92 Mbit/s
95th percentile per-packet one-way delay: 7.689 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 353.41 Mbit/s
95th percentile per-packet one-way delay: 46.958 ms
Loss rate: 7.38%
```

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

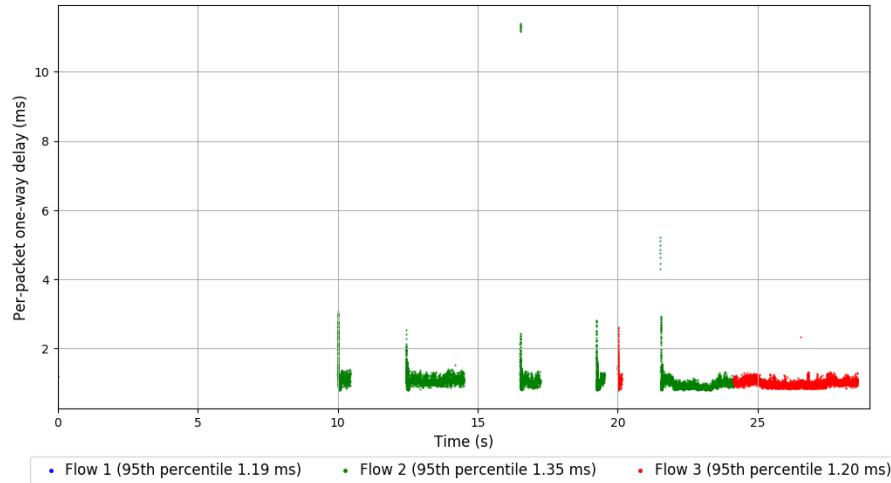
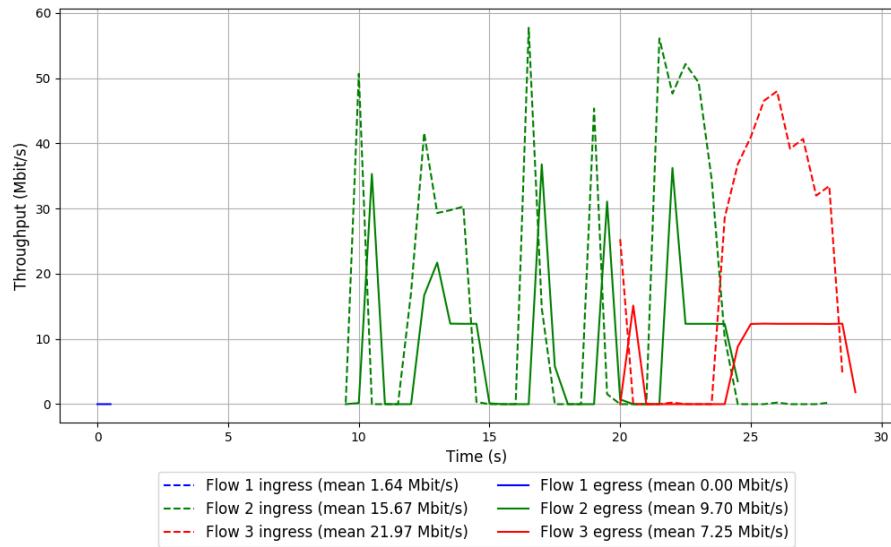


Run 1: Statistics of Copa

```
Start at: 2019-12-11 06:36:34
End at: 2019-12-11 06:37:04
Local clock offset: 2.951 ms
Remote clock offset: -0.329 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 57.84%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 97.24%
-- Flow 2:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 51.78%
-- Flow 3:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 66.98%
```

## Run 1: Report of Copa — Data Link

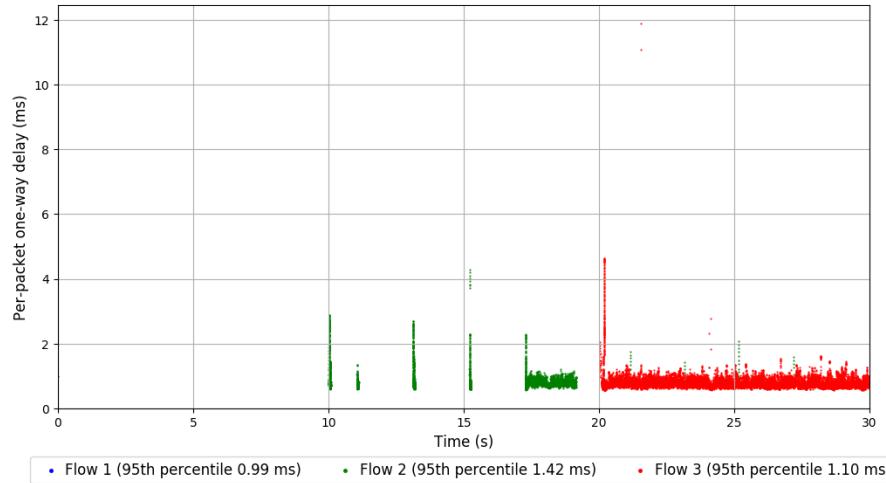
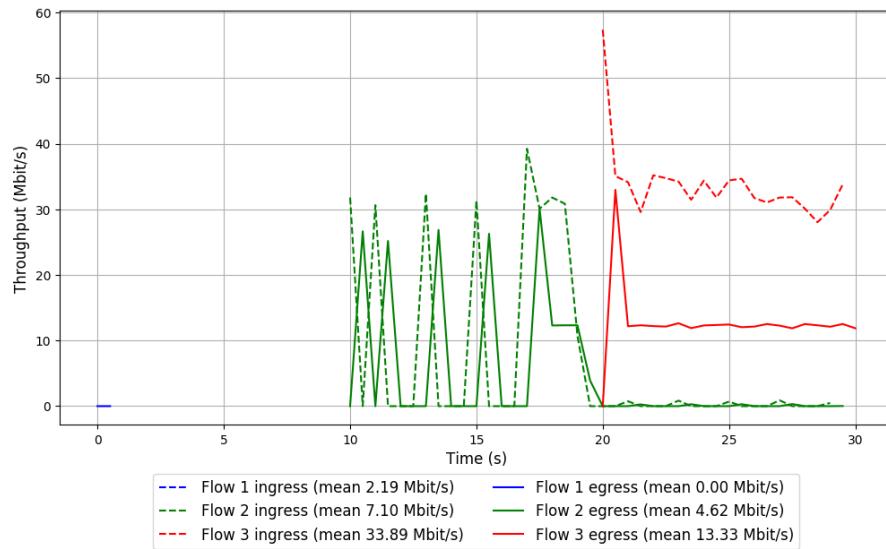


Run 2: Statistics of Copa

```
Start at: 2019-12-11 07:11:55
End at: 2019-12-11 07:12:25
Local clock offset: 5.365 ms
Remote clock offset: 0.501 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 53.30%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 97.92%
-- Flow 2:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 1.421 ms
Loss rate: 35.01%
-- Flow 3:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 60.67%
```

## Run 2: Report of Copa — Data Link

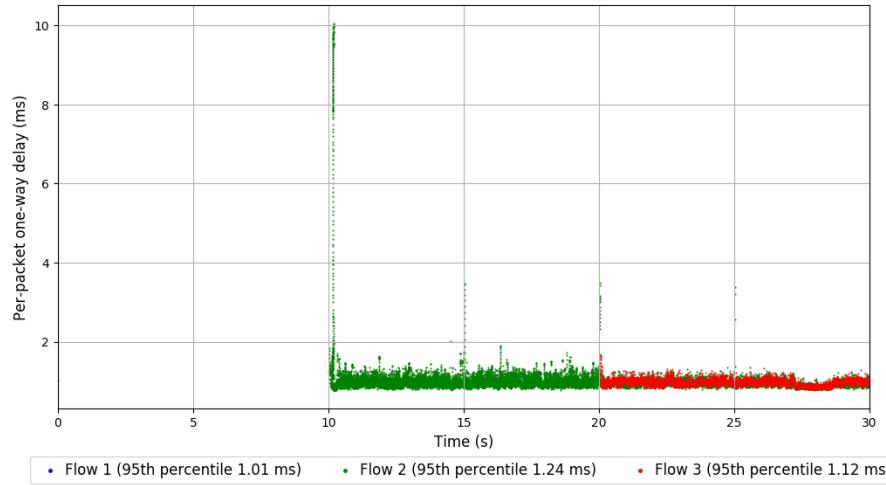
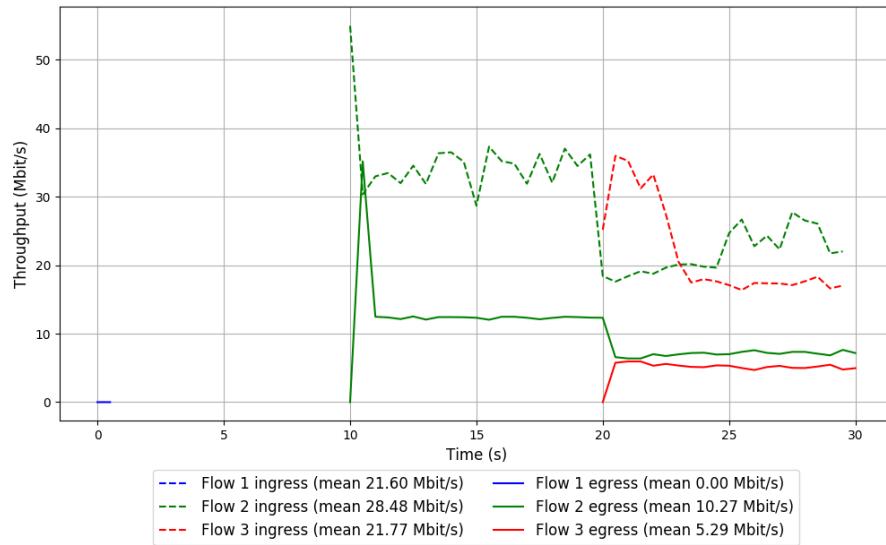


Run 3: Statistics of Copa

```
Start at: 2019-12-11 07:47:29
End at: 2019-12-11 07:47:59
Local clock offset: 3.595 ms
Remote clock offset: -4.153 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 67.20%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 63.94%
-- Flow 3:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 75.74%
```

### Run 3: Report of Copa — Data Link

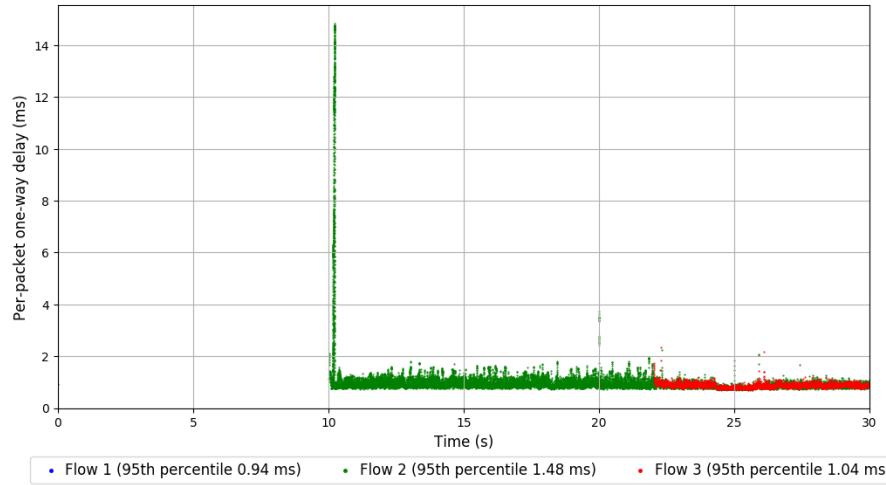
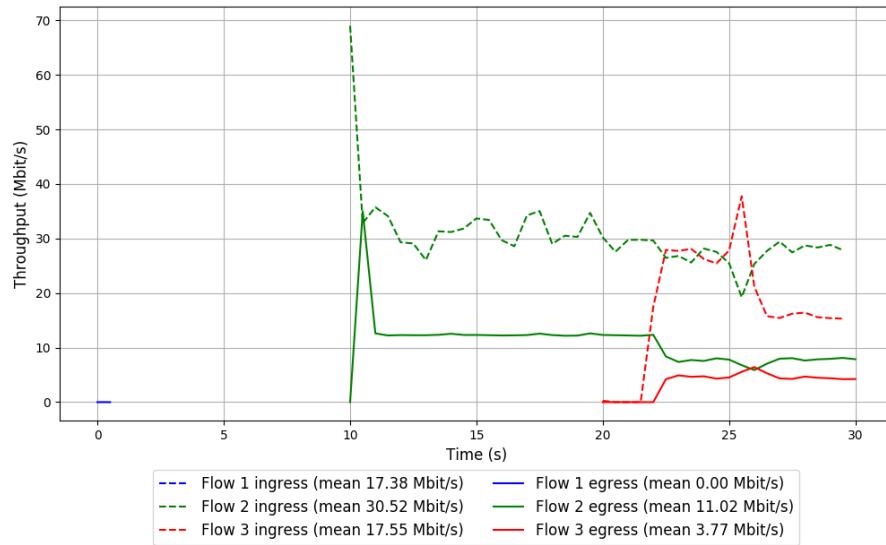


Run 4: Statistics of Copa

```
Start at: 2019-12-11 08:22:32
End at: 2019-12-11 08:23:02
Local clock offset: 3.413 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 67.15%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 97.92%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 1.481 ms
Loss rate: 63.89%
-- Flow 3:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 78.50%
```

## Run 4: Report of Copa — Data Link

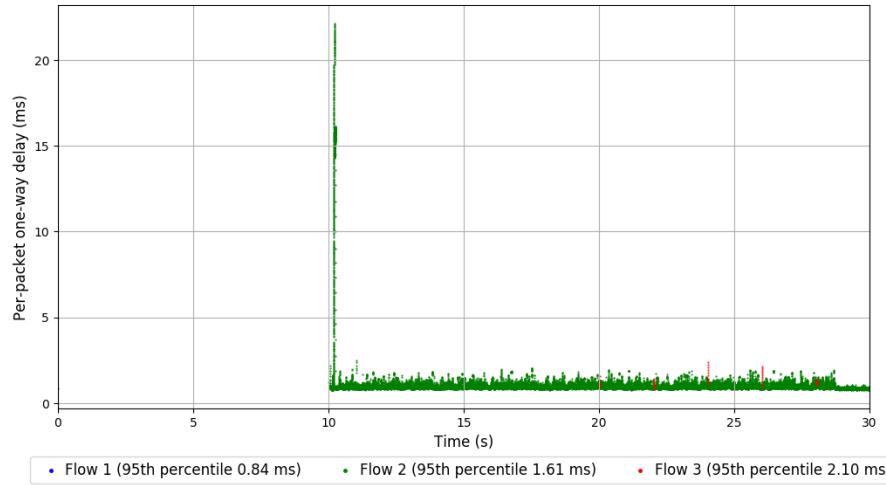
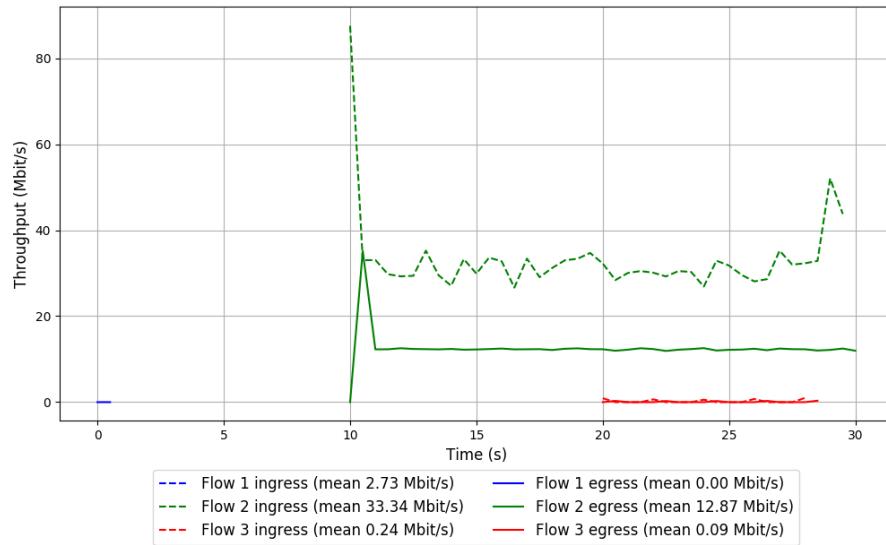


Run 5: Statistics of Copa

```
Start at: 2019-12-11 08:57:27
End at: 2019-12-11 08:57:57
Local clock offset: 3.085 ms
Remote clock offset: -3.566 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 1.616 ms
Loss rate: 61.41%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.839 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 61.40%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 2.102 ms
Loss rate: 62.47%
```

Run 5: Report of Copa — Data Link

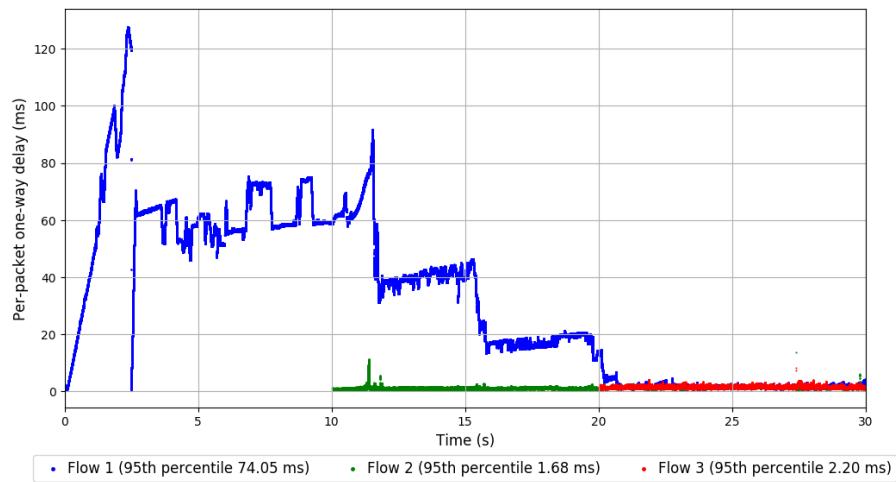
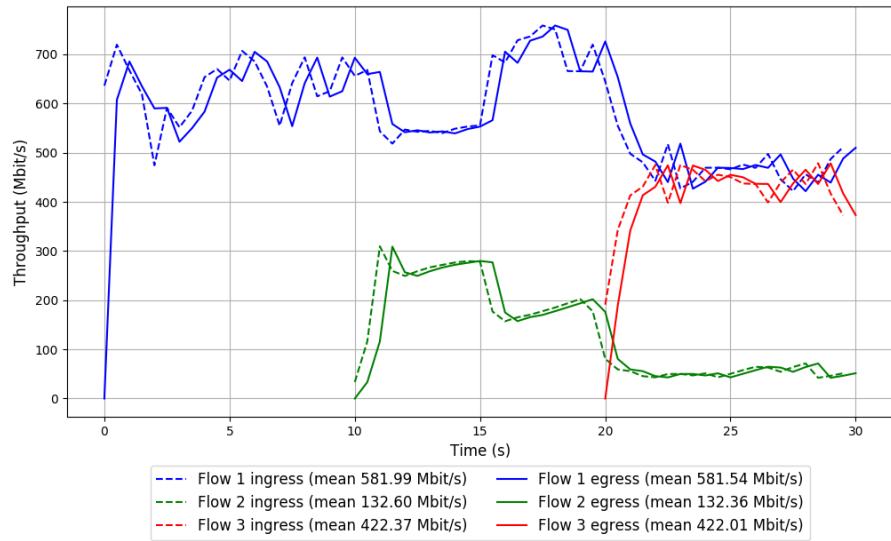


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-12-11 06:32:20
End at: 2019-12-11 06:32:50
Local clock offset: 2.964 ms
Remote clock offset: -0.418 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 809.99 Mbit/s
95th percentile per-packet one-way delay: 72.571 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 581.54 Mbit/s
95th percentile per-packet one-way delay: 74.045 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 132.36 Mbit/s
95th percentile per-packet one-way delay: 1.677 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 422.01 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 0.08%
```

Run 1: Report of TCP Cubic — Data Link

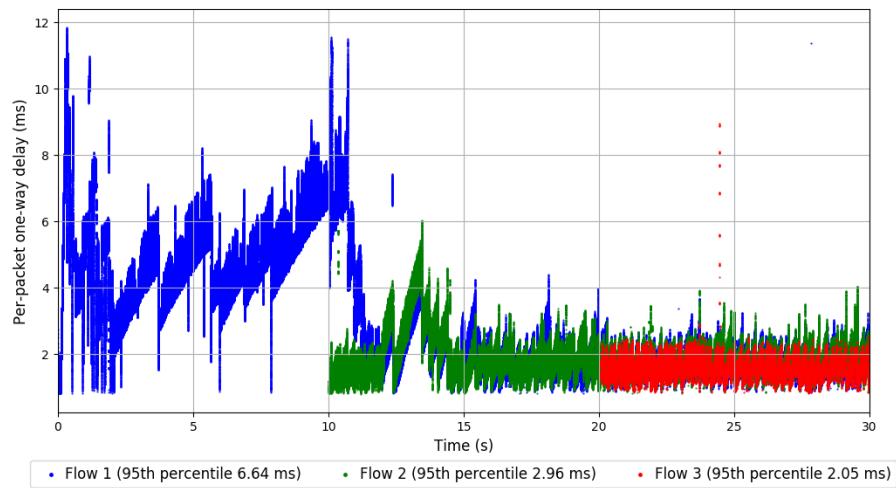
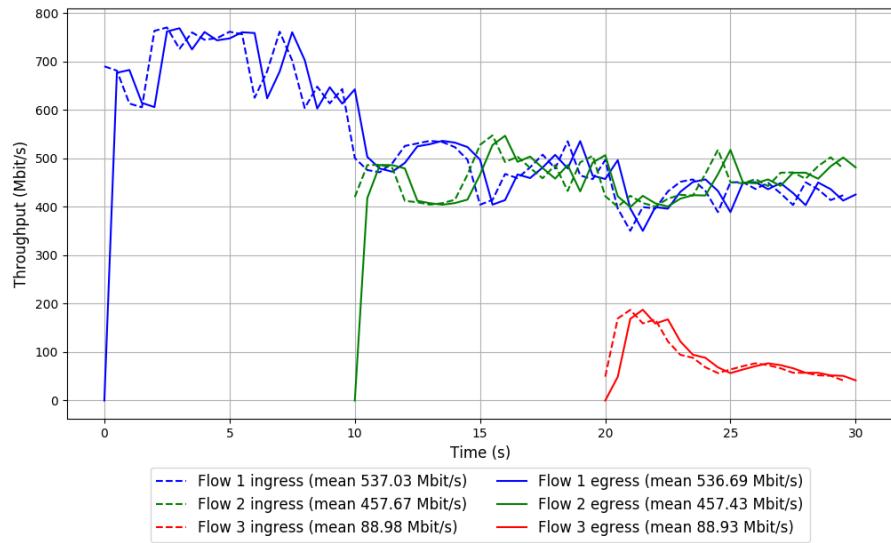


Run 2: Statistics of TCP Cubic

```
Start at: 2019-12-11 07:07:26
End at: 2019-12-11 07:07:56
Local clock offset: 5.955 ms
Remote clock offset: 0.494 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 871.01 Mbit/s
95th percentile per-packet one-way delay: 6.135 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 536.69 Mbit/s
95th percentile per-packet one-way delay: 6.636 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 457.43 Mbit/s
95th percentile per-packet one-way delay: 2.965 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.06%
```

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

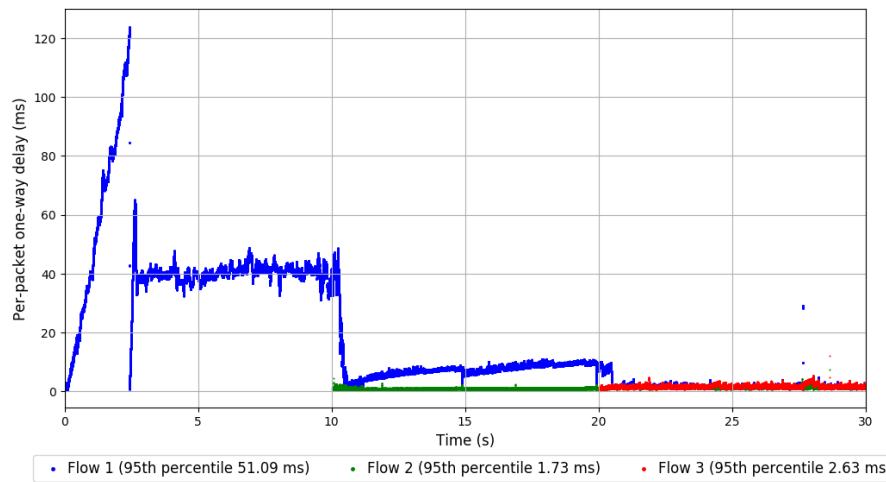
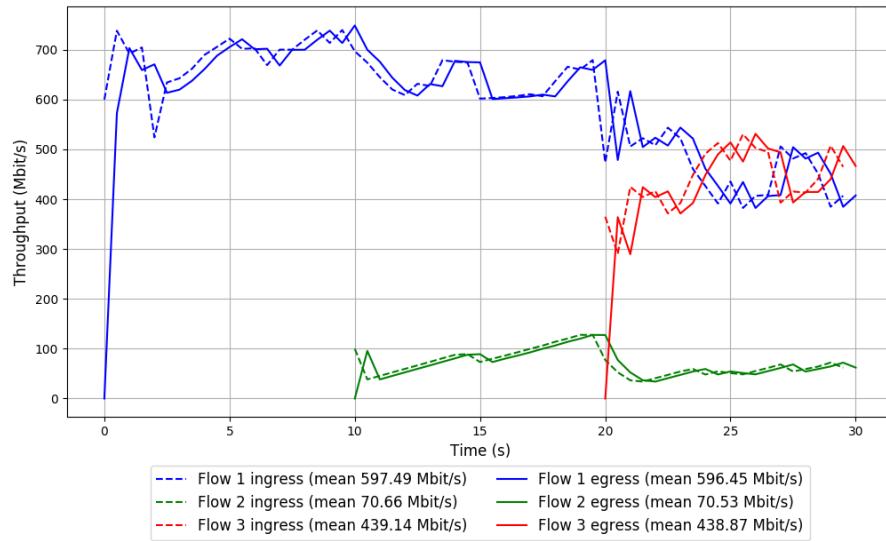


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2019-12-11 07:43:17
End at: 2019-12-11 07:43:47
Local clock offset: 3.768 ms
Remote clock offset: -3.896 ms

# Below is generated by plot.py at 2019-12-11 09:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 789.35 Mbit/s
95th percentile per-packet one-way delay: 44.335 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 596.45 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 1.734 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 438.87 Mbit/s
95th percentile per-packet one-way delay: 2.627 ms
Loss rate: 0.05%
```

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

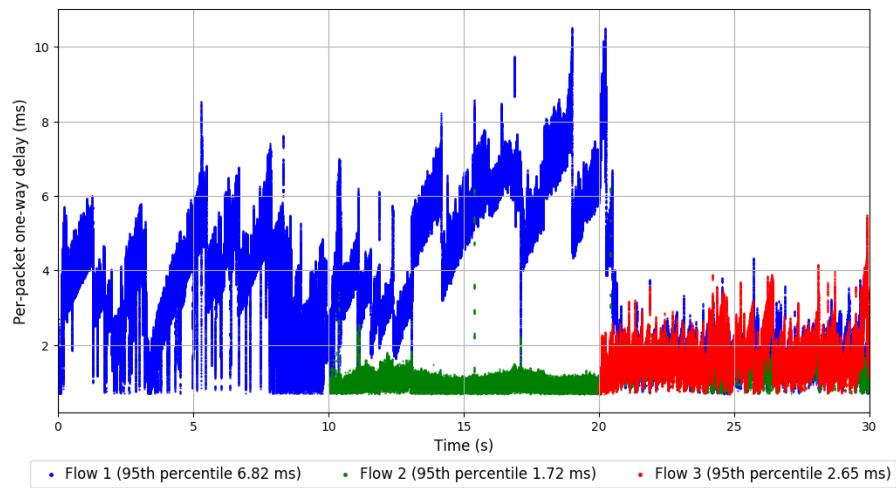
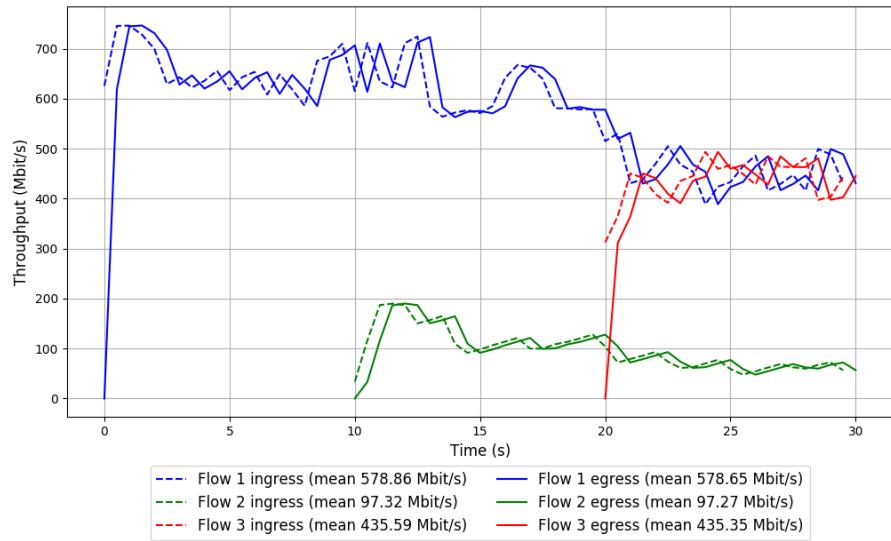


Run 4: Statistics of TCP Cubic

```
Start at: 2019-12-11 08:18:18
End at: 2019-12-11 08:18:48
Local clock offset: 3.391 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-12-11 09:53:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.22 Mbit/s
95th percentile per-packet one-way delay: 6.606 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 578.65 Mbit/s
95th percentile per-packet one-way delay: 6.815 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 435.35 Mbit/s
95th percentile per-packet one-way delay: 2.648 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Cubic — Data Link

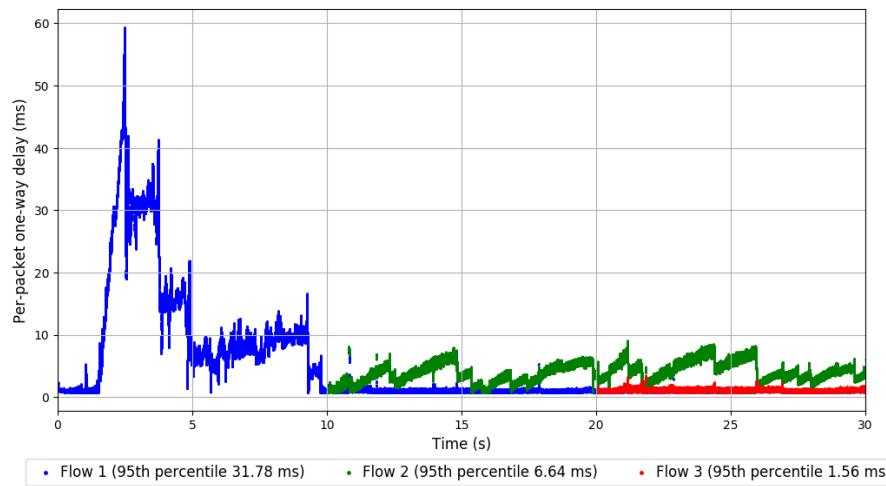
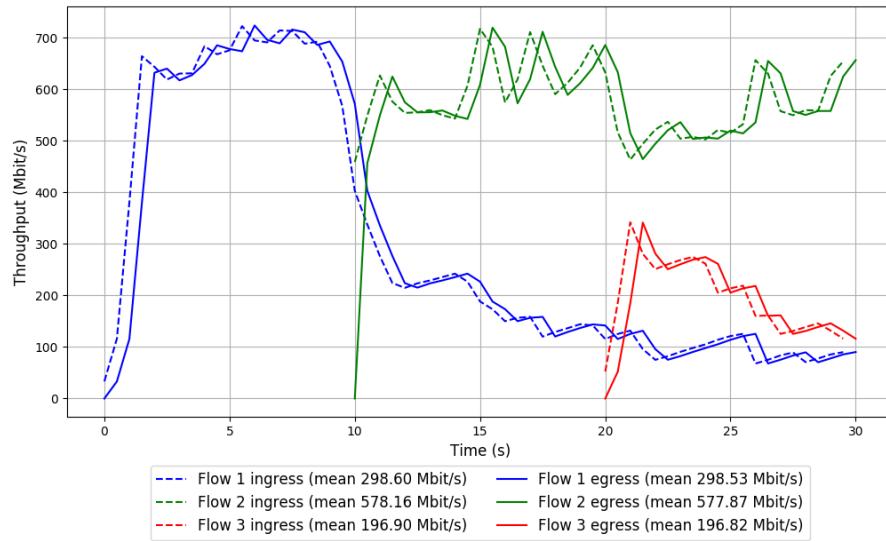


Run 5: Statistics of TCP Cubic

```
Start at: 2019-12-11 08:53:18
End at: 2019-12-11 08:53:48
Local clock offset: 3.142 ms
Remote clock offset: -3.325 ms

# Below is generated by plot.py at 2019-12-11 09:53:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 748.97 Mbit/s
95th percentile per-packet one-way delay: 23.507 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 298.53 Mbit/s
95th percentile per-packet one-way delay: 31.777 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 577.87 Mbit/s
95th percentile per-packet one-way delay: 6.637 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 196.82 Mbit/s
95th percentile per-packet one-way delay: 1.561 ms
Loss rate: 0.05%
```

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

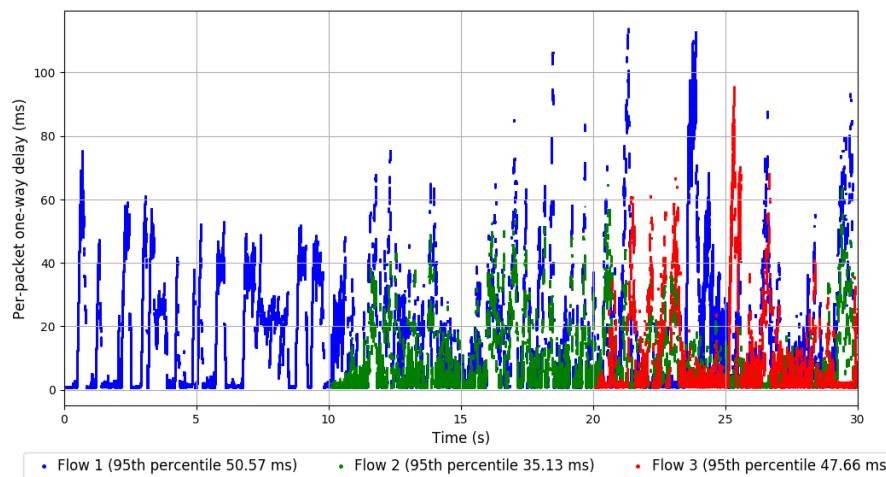
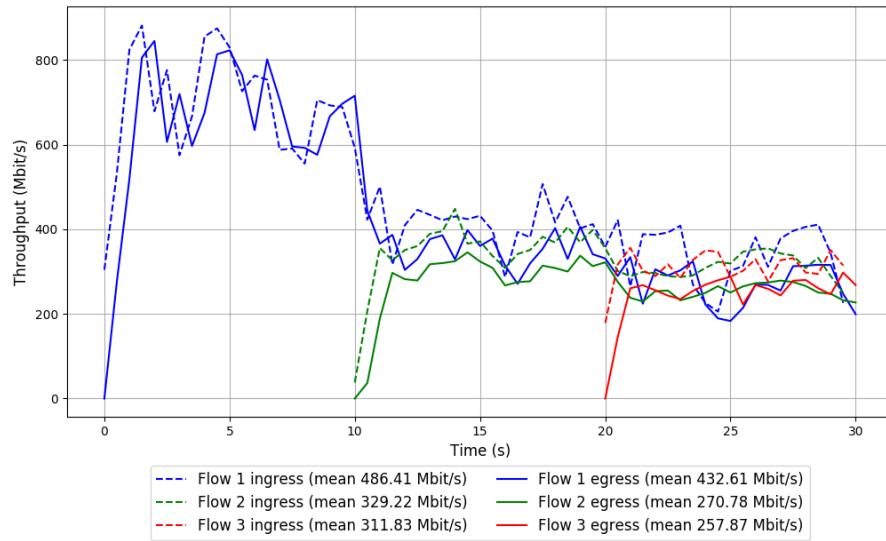


```
Run 1: Statistics of FillP

Start at: 2019-12-11 06:48:03
End at: 2019-12-11 06:48:33
Local clock offset: 4.686 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2019-12-11 09:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 698.33 Mbit/s
95th percentile per-packet one-way delay: 47.149 ms
Loss rate: 13.63%
-- Flow 1:
Average throughput: 432.61 Mbit/s
95th percentile per-packet one-way delay: 50.572 ms
Loss rate: 11.05%
-- Flow 2:
Average throughput: 270.78 Mbit/s
95th percentile per-packet one-way delay: 35.127 ms
Loss rate: 17.71%
-- Flow 3:
Average throughput: 257.87 Mbit/s
95th percentile per-packet one-way delay: 47.663 ms
Loss rate: 17.12%
```

Run 1: Report of FillP — Data Link

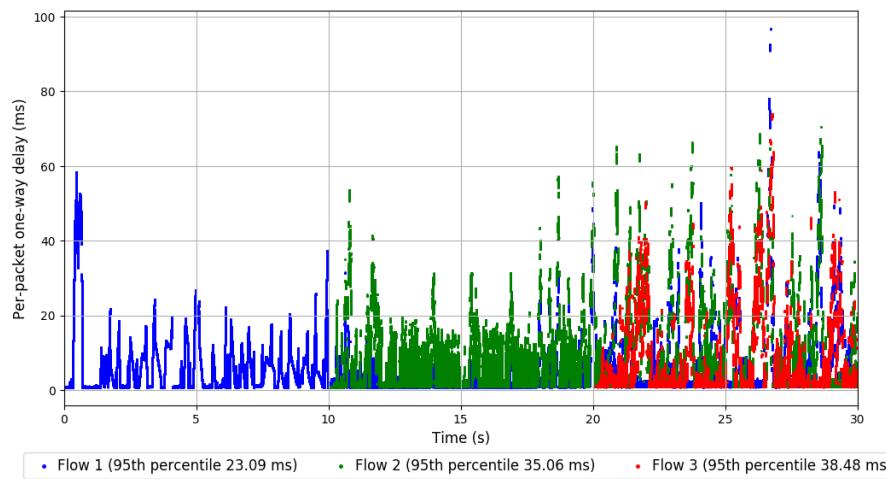
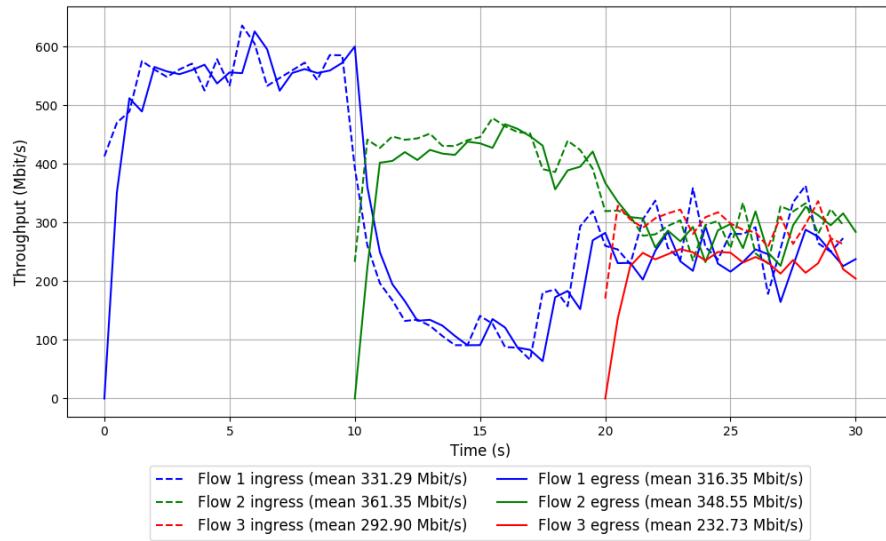


Run 2: Statistics of FillP

```
Start at: 2019-12-11 07:23:39
End at: 2019-12-11 07:24:09
Local clock offset: 4.324 ms
Remote clock offset: -1.114 ms

# Below is generated by plot.py at 2019-12-11 09:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 625.68 Mbit/s
95th percentile per-packet one-way delay: 31.882 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 316.35 Mbit/s
95th percentile per-packet one-way delay: 23.089 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 348.55 Mbit/s
95th percentile per-packet one-way delay: 35.056 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 232.73 Mbit/s
95th percentile per-packet one-way delay: 38.480 ms
Loss rate: 20.49%
```

## Run 2: Report of FillP — Data Link

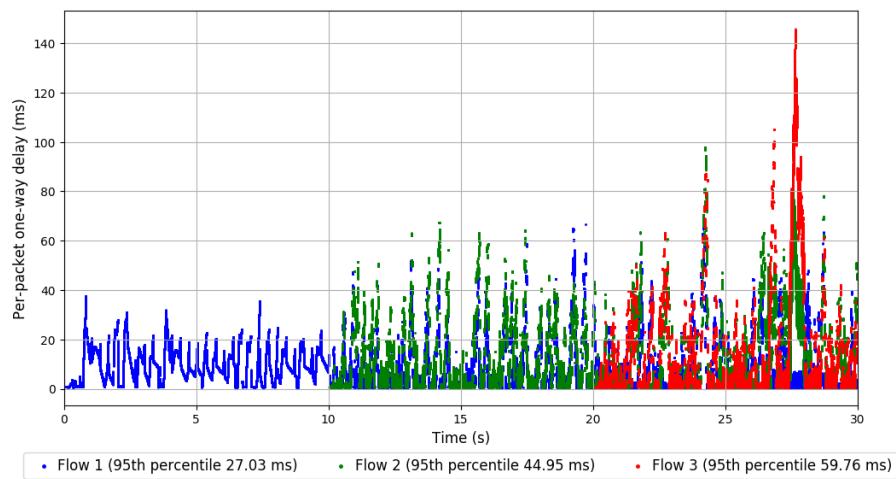
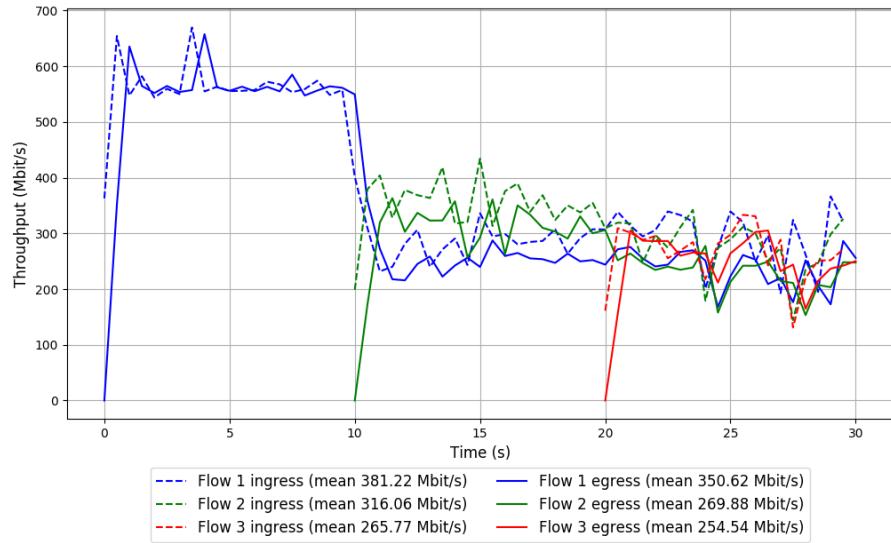


Run 3: Statistics of FillP

```
Start at: 2019-12-11 07:59:00
End at: 2019-12-11 07:59:30
Local clock offset: 3.398 ms
Remote clock offset: -2.19 ms

# Below is generated by plot.py at 2019-12-11 09:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 614.76 Mbit/s
95th percentile per-packet one-way delay: 37.415 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 350.62 Mbit/s
95th percentile per-packet one-way delay: 27.034 ms
Loss rate: 8.02%
-- Flow 2:
Average throughput: 269.88 Mbit/s
95th percentile per-packet one-way delay: 44.947 ms
Loss rate: 14.59%
-- Flow 3:
Average throughput: 254.54 Mbit/s
95th percentile per-packet one-way delay: 59.762 ms
Loss rate: 4.21%
```

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

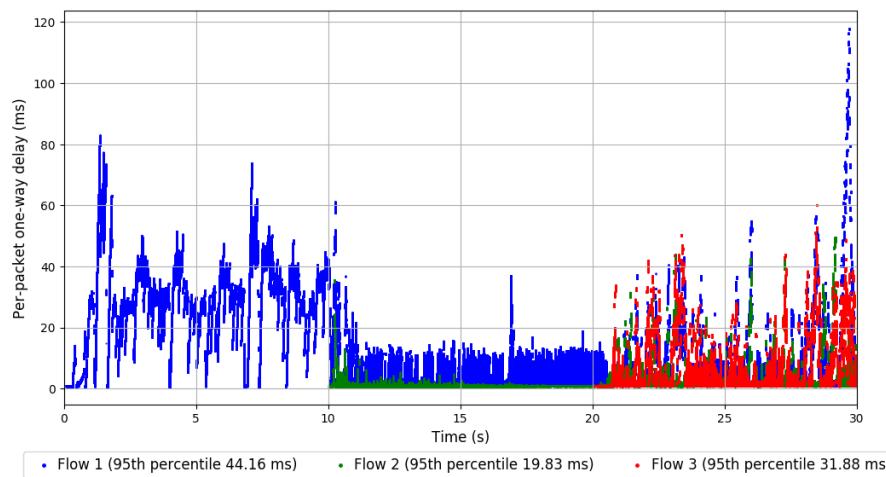
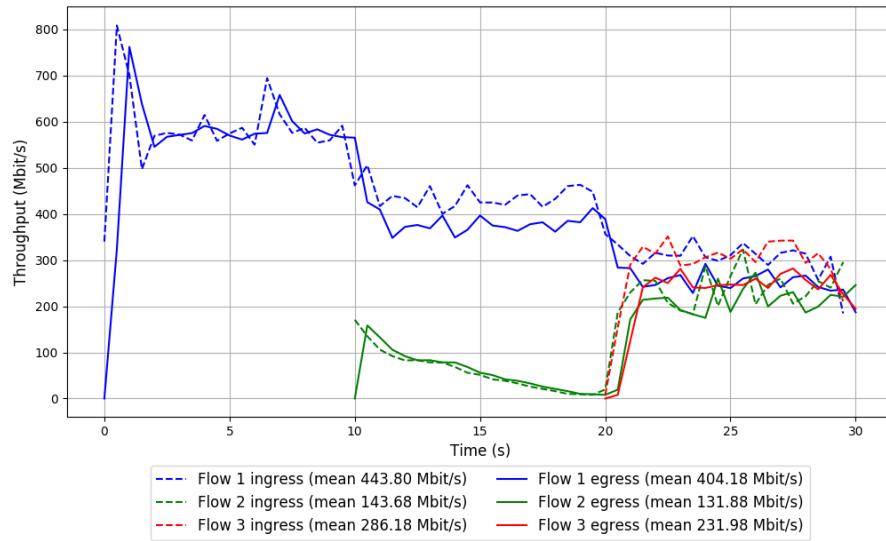


Run 4: Statistics of FillP

```
Start at: 2019-12-11 08:33:57
End at: 2019-12-11 08:34:27
Local clock offset: 3.426 ms
Remote clock offset: -1.659 ms

# Below is generated by plot.py at 2019-12-11 09:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 569.03 Mbit/s
95th percentile per-packet one-way delay: 41.389 ms
Loss rate: 10.31%
-- Flow 1:
Average throughput: 404.18 Mbit/s
95th percentile per-packet one-way delay: 44.158 ms
Loss rate: 8.92%
-- Flow 2:
Average throughput: 131.88 Mbit/s
95th percentile per-packet one-way delay: 19.828 ms
Loss rate: 8.21%
-- Flow 3:
Average throughput: 231.98 Mbit/s
95th percentile per-packet one-way delay: 31.882 ms
Loss rate: 18.89%
```

## Run 4: Report of FillP — Data Link

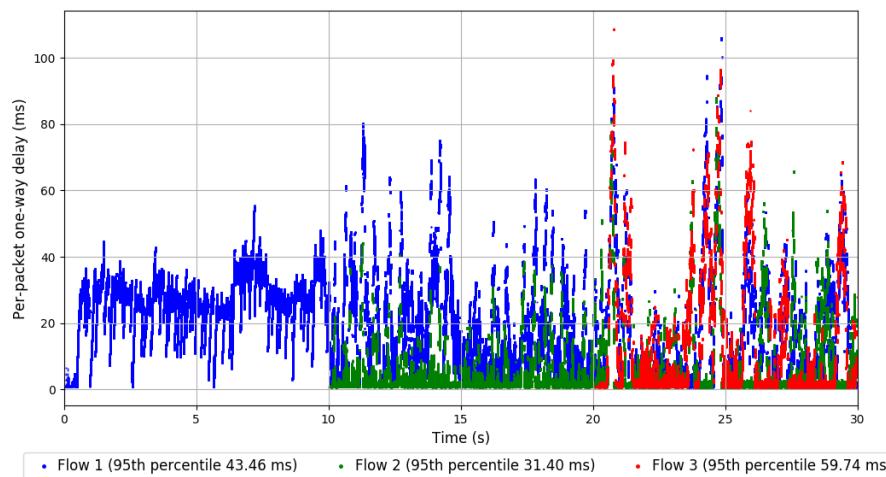
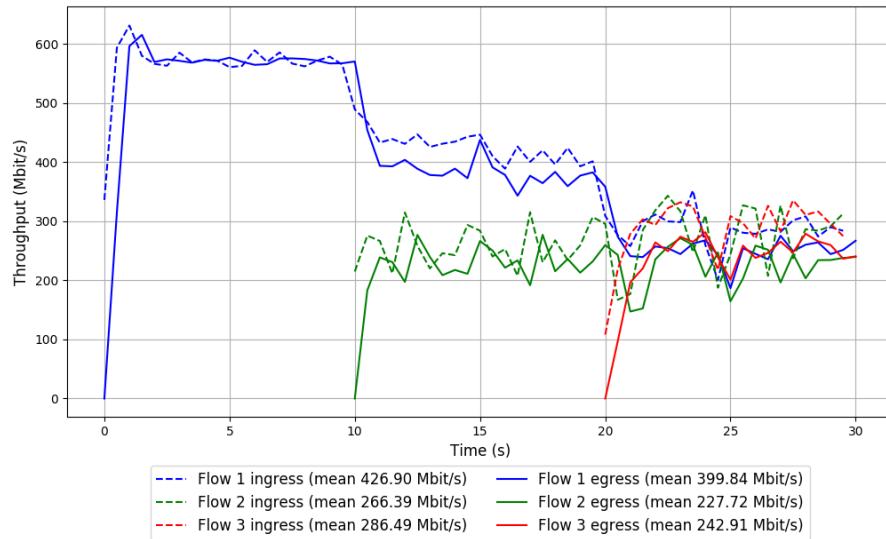


Run 5: Statistics of FillP

```
Start at: 2019-12-11 09:08:52
End at: 2019-12-11 09:09:22
Local clock offset: 3.014 ms
Remote clock offset: -1.255 ms

# Below is generated by plot.py at 2019-12-11 09:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.90 Mbit/s
95th percentile per-packet one-way delay: 43.555 ms
Loss rate: 9.61%
-- Flow 1:
Average throughput: 399.84 Mbit/s
95th percentile per-packet one-way delay: 43.459 ms
Loss rate: 6.33%
-- Flow 2:
Average throughput: 227.72 Mbit/s
95th percentile per-packet one-way delay: 31.398 ms
Loss rate: 14.51%
-- Flow 3:
Average throughput: 242.91 Mbit/s
95th percentile per-packet one-way delay: 59.738 ms
Loss rate: 15.21%
```

## Run 5: Report of FillP — Data Link

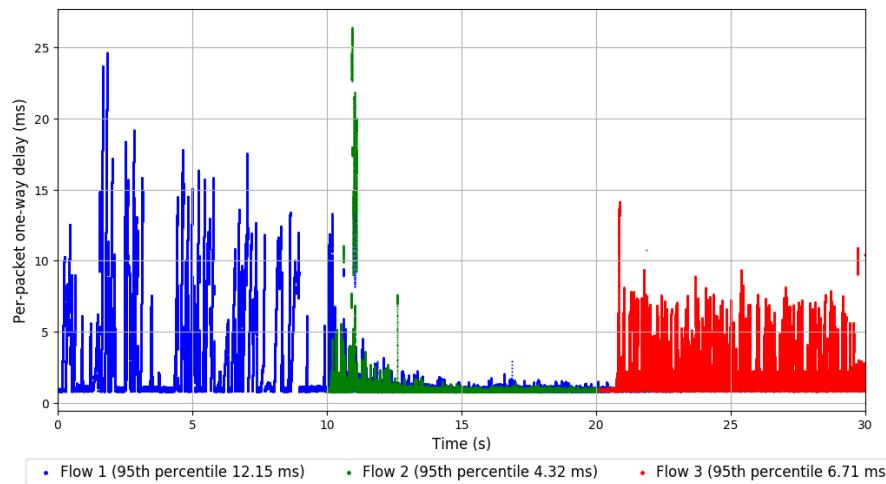
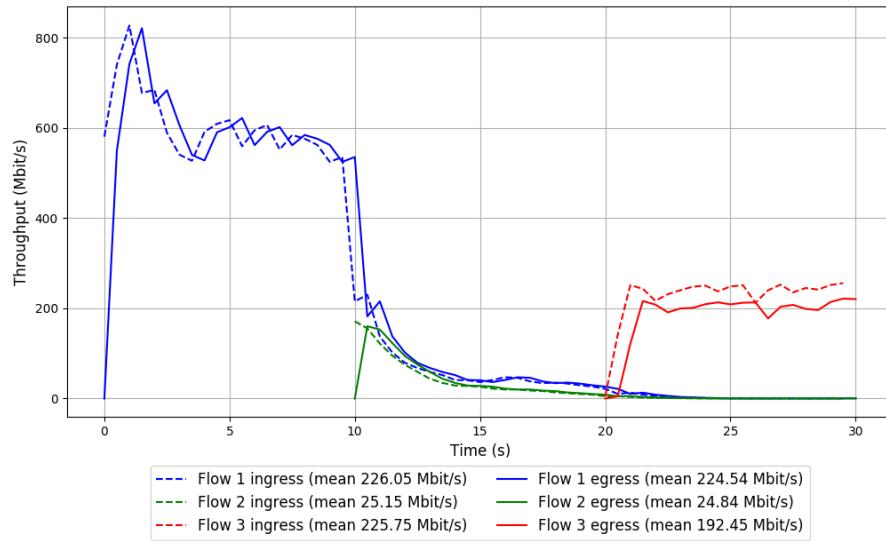


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-12-11 06:57:27
End at: 2019-12-11 06:57:57
Local clock offset: 5.5 ms
Remote clock offset: 0.302 ms

# Below is generated by plot.py at 2019-12-11 09:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 304.79 Mbit/s
95th percentile per-packet one-way delay: 11.367 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 224.54 Mbit/s
95th percentile per-packet one-way delay: 12.147 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 4.324 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 192.45 Mbit/s
95th percentile per-packet one-way delay: 6.706 ms
Loss rate: 14.68%
```

Run 1: Report of FillP-Sheep — Data Link

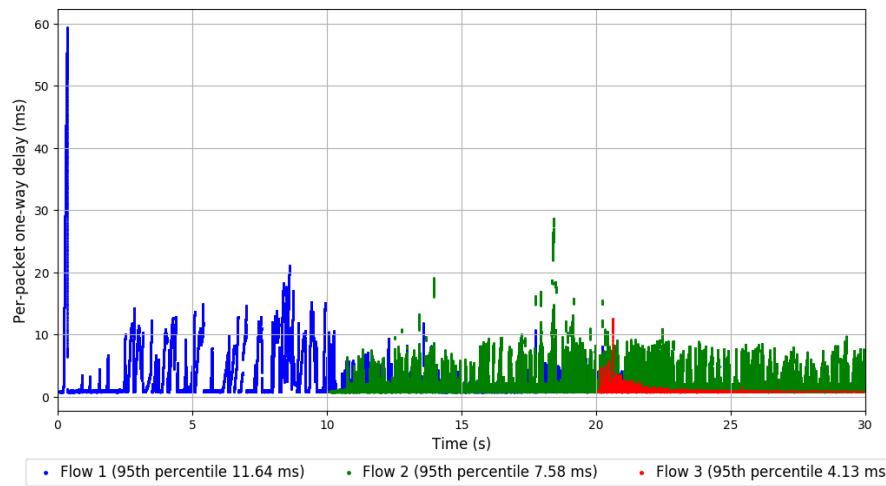
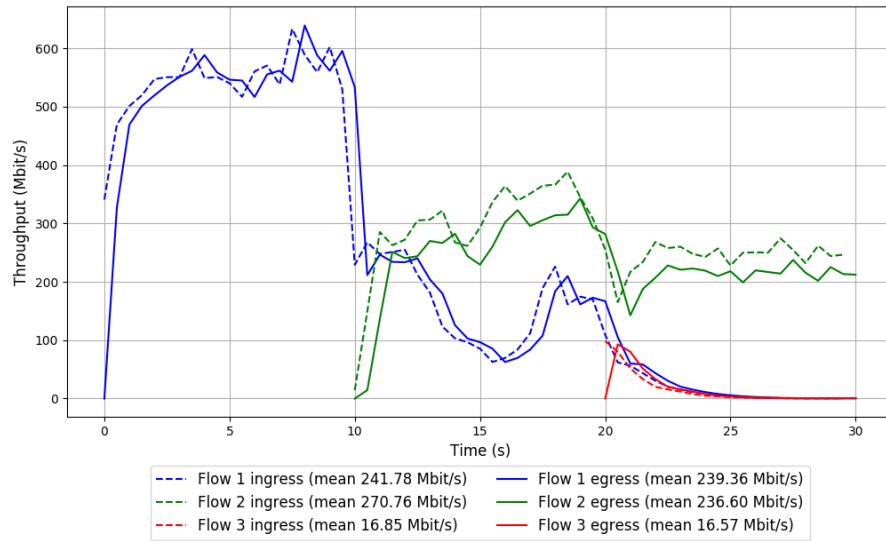


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-12-11 07:33:06
End at: 2019-12-11 07:38:36
Local clock offset: 4.069 ms
Remote clock offset: -2.811 ms

# Below is generated by plot.py at 2019-12-11 09:56:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.34 Mbit/s
95th percentile per-packet one-way delay: 10.679 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 239.36 Mbit/s
95th percentile per-packet one-way delay: 11.641 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 236.60 Mbit/s
95th percentile per-packet one-way delay: 7.577 ms
Loss rate: 12.60%
-- Flow 3:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 4.133 ms
Loss rate: 1.64%
```

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

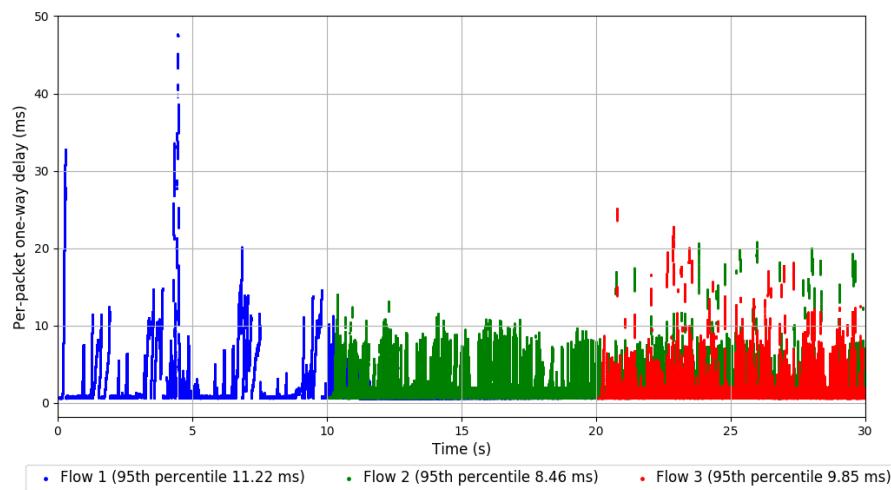
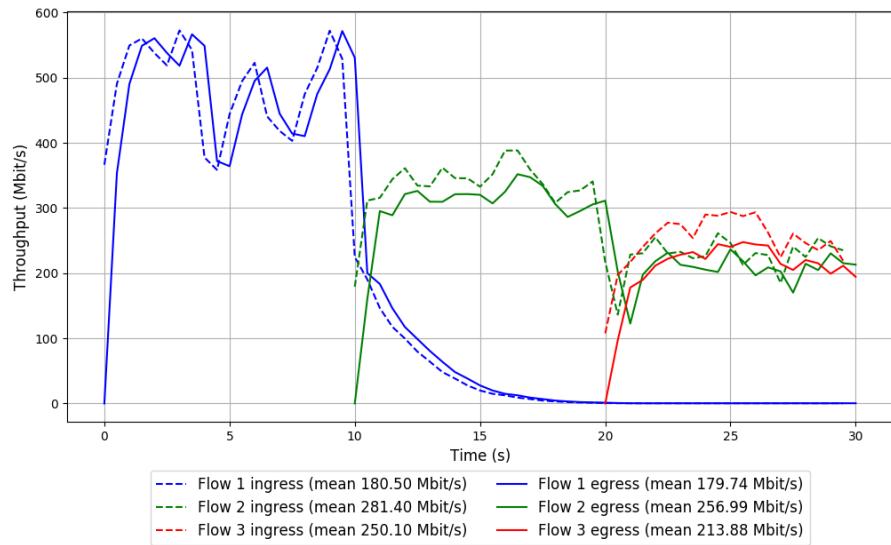


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-12-11 08:08:20
End at: 2019-12-11 08:08:50
Local clock offset: 3.268 ms
Remote clock offset: -0.72 ms

# Below is generated by plot.py at 2019-12-11 09:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.83 Mbit/s
95th percentile per-packet one-way delay: 10.086 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 179.74 Mbit/s
95th percentile per-packet one-way delay: 11.225 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 256.99 Mbit/s
95th percentile per-packet one-way delay: 8.457 ms
Loss rate: 8.65%
-- Flow 3:
Average throughput: 213.88 Mbit/s
95th percentile per-packet one-way delay: 9.848 ms
Loss rate: 14.48%
```

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

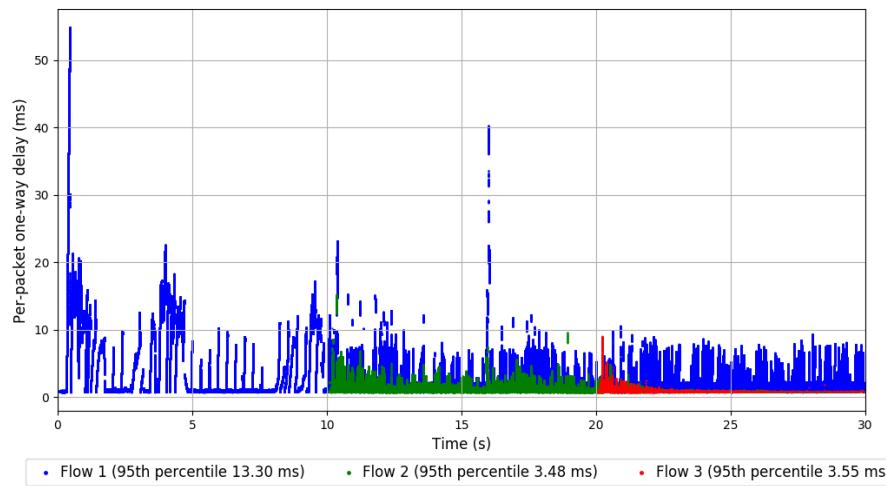
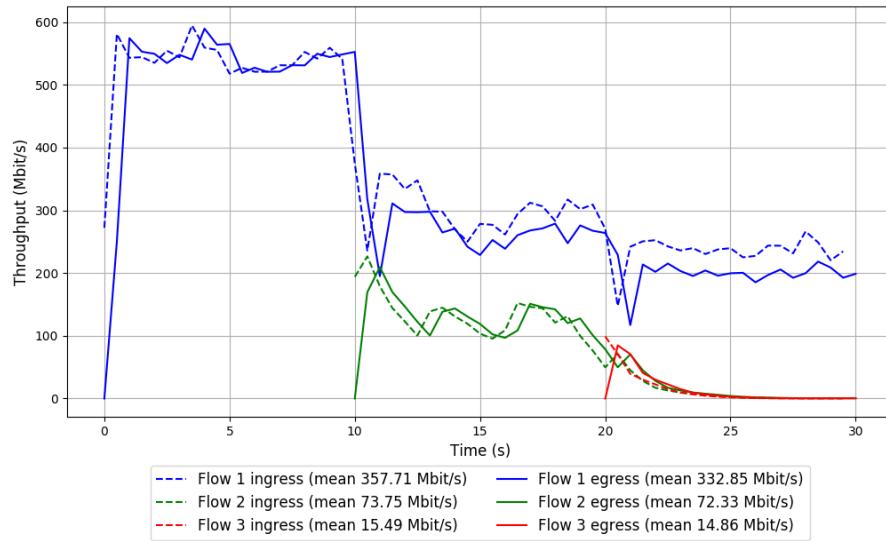


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-12-11 08:43:25
End at: 2019-12-11 08:43:55
Local clock offset: 3.285 ms
Remote clock offset: -2.758 ms

# Below is generated by plot.py at 2019-12-11 09:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.76 Mbit/s
95th percentile per-packet one-way delay: 12.633 ms
Loss rate: 6.31%
-- Flow 1:
Average throughput: 332.85 Mbit/s
95th percentile per-packet one-way delay: 13.299 ms
Loss rate: 6.95%
-- Flow 2:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 3.482 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 3.551 ms
Loss rate: 4.11%
```

## Run 4: Report of FillP-Sheep — Data Link

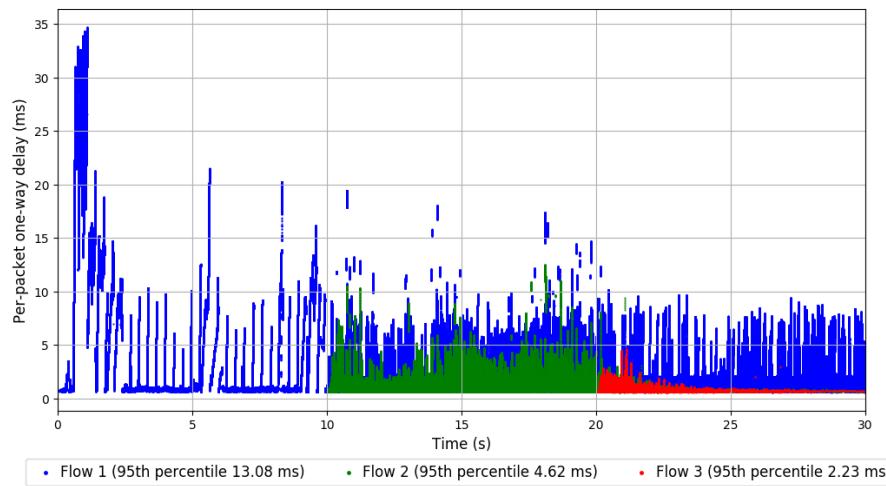
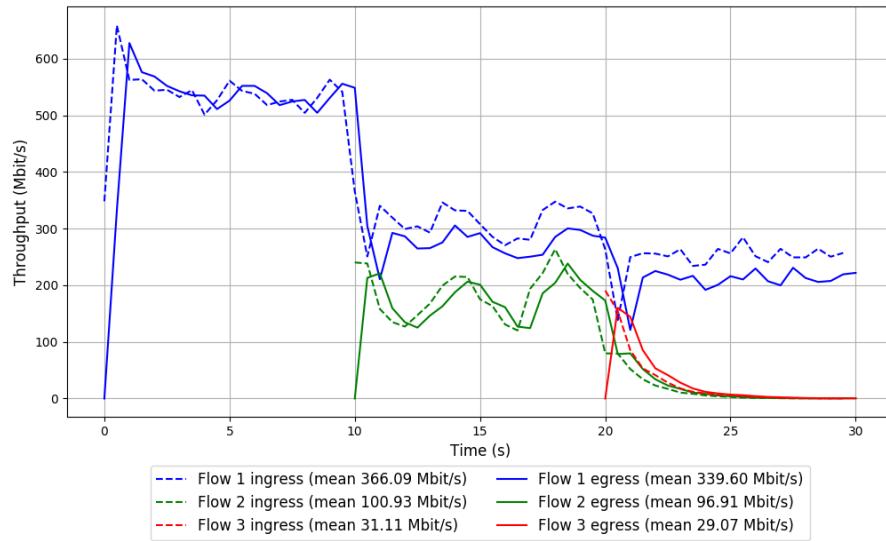


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-12-11 09:18:12
End at: 2019-12-11 09:18:42
Local clock offset: 2.912 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-12-11 09:59:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 413.67 Mbit/s
95th percentile per-packet one-way delay: 12.160 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 339.60 Mbit/s
95th percentile per-packet one-way delay: 13.084 ms
Loss rate: 7.24%
-- Flow 2:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 4.623 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 2.231 ms
Loss rate: 6.56%
```

Run 5: Report of FillP-Sheep — Data Link

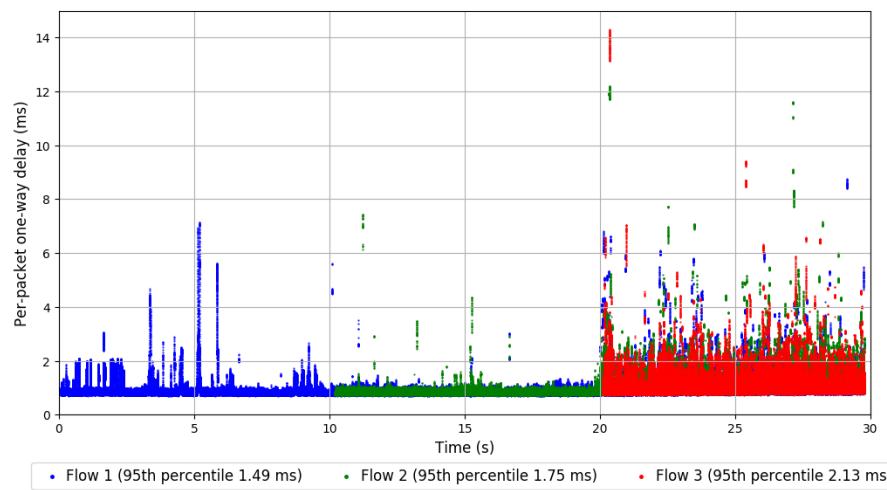
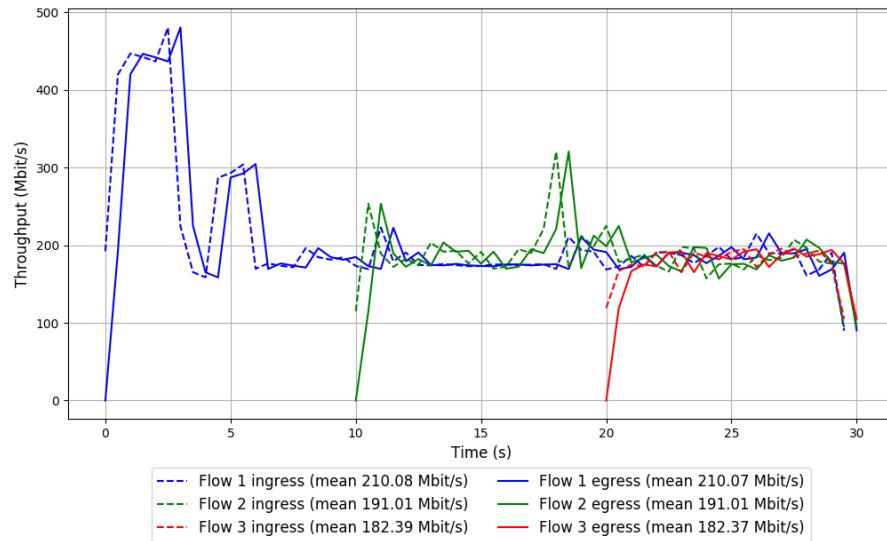


Run 1: Statistics of Indigo

```
Start at: 2019-12-11 06:37:49
End at: 2019-12-11 06:38:19
Local clock offset: 2.974 ms
Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2019-12-11 09:59:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.05 Mbit/s
95th percentile per-packet one-way delay: 1.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.07 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.01 Mbit/s
95th percentile per-packet one-way delay: 1.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.37 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

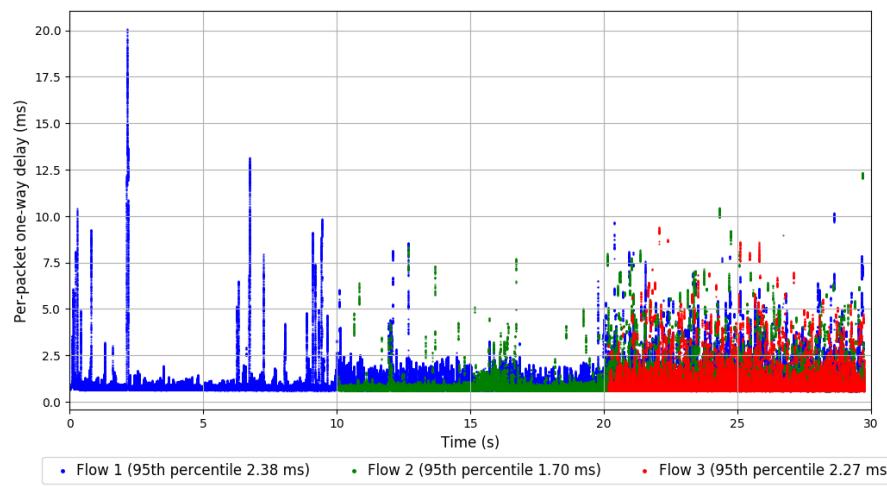
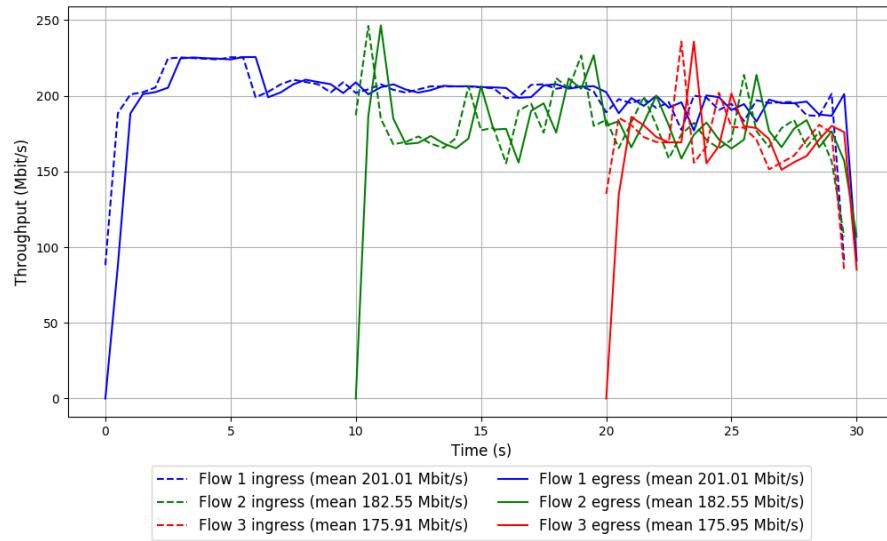


Run 2: Statistics of Indigo

```
Start at: 2019-12-11 07:13:11
End at: 2019-12-11 07:13:41
Local clock offset: 5.206 ms
Remote clock offset: 0.574 ms

# Below is generated by plot.py at 2019-12-11 09:59:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.72 Mbit/s
95th percentile per-packet one-way delay: 2.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.01 Mbit/s
95th percentile per-packet one-way delay: 2.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.55 Mbit/s
95th percentile per-packet one-way delay: 1.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.95 Mbit/s
95th percentile per-packet one-way delay: 2.265 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link

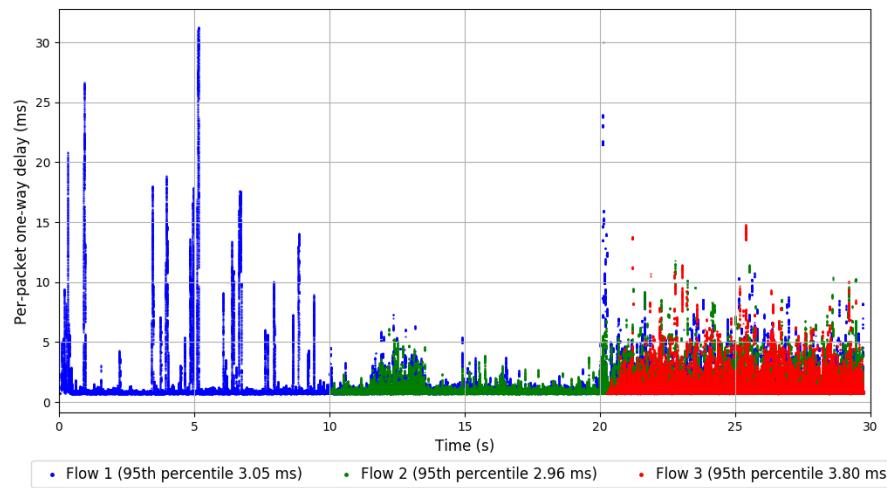
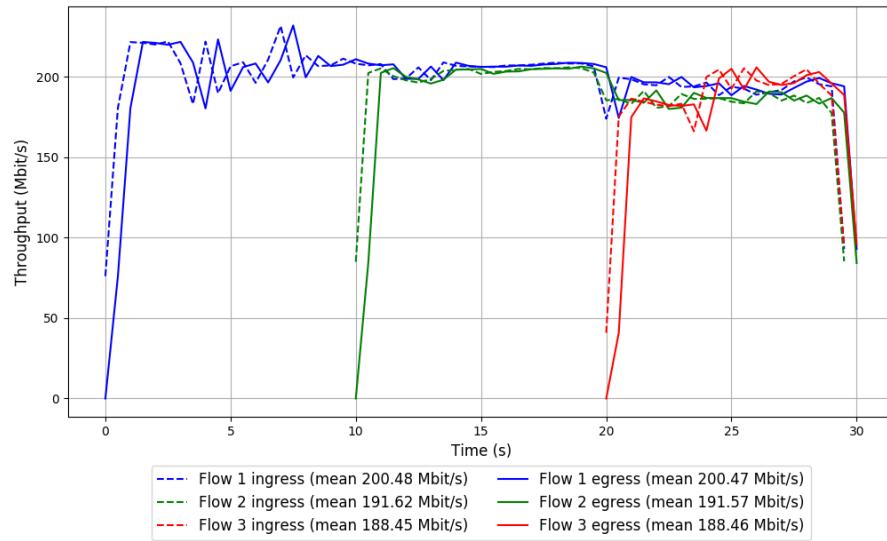


Run 3: Statistics of Indigo

```
Start at: 2019-12-11 07:48:44
End at: 2019-12-11 07:49:14
Local clock offset: 3.59 ms
Remote clock offset: -4.307 ms

# Below is generated by plot.py at 2019-12-11 09:59:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.50 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.47 Mbit/s
95th percentile per-packet one-way delay: 3.049 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 191.57 Mbit/s
95th percentile per-packet one-way delay: 2.962 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 188.46 Mbit/s
95th percentile per-packet one-way delay: 3.804 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

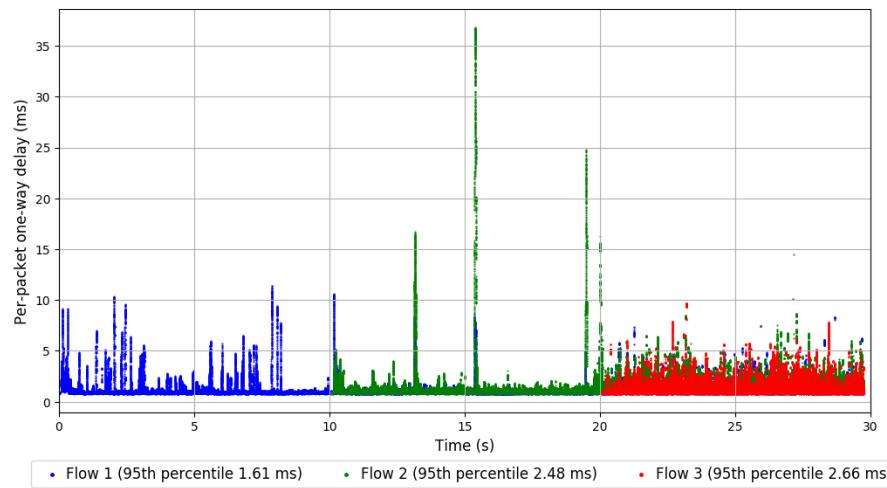
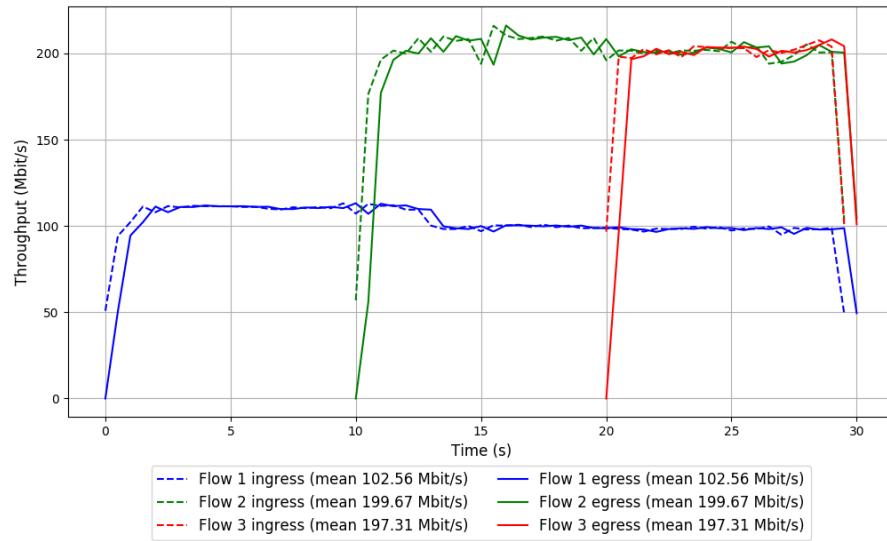


Run 4: Statistics of Indigo

```
Start at: 2019-12-11 08:23:47
End at: 2019-12-11 08:24:17
Local clock offset: 3.407 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2019-12-11 09:59:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.99 Mbit/s
95th percentile per-packet one-way delay: 2.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.56 Mbit/s
95th percentile per-packet one-way delay: 1.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.67 Mbit/s
95th percentile per-packet one-way delay: 2.484 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 197.31 Mbit/s
95th percentile per-packet one-way delay: 2.656 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

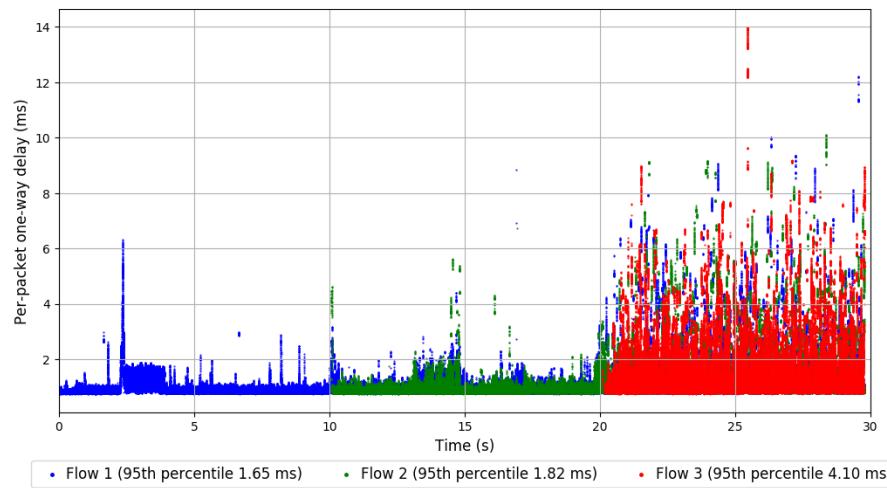
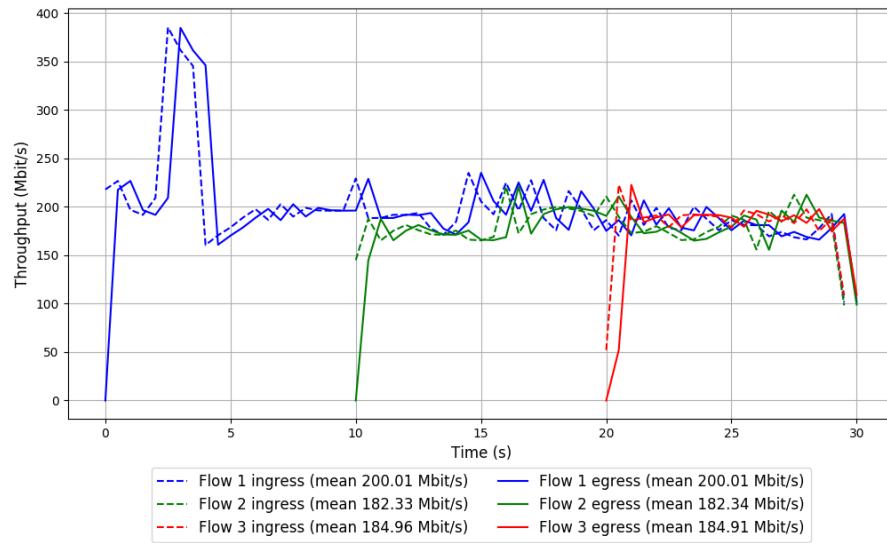


Run 5: Statistics of Indigo

```
Start at: 2019-12-11 08:58:43
End at: 2019-12-11 08:59:13
Local clock offset: 3.083 ms
Remote clock offset: -3.59 ms

# Below is generated by plot.py at 2019-12-11 10:00:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.77 Mbit/s
95th percentile per-packet one-way delay: 2.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.01 Mbit/s
95th percentile per-packet one-way delay: 1.649 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.34 Mbit/s
95th percentile per-packet one-way delay: 1.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.91 Mbit/s
95th percentile per-packet one-way delay: 4.096 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

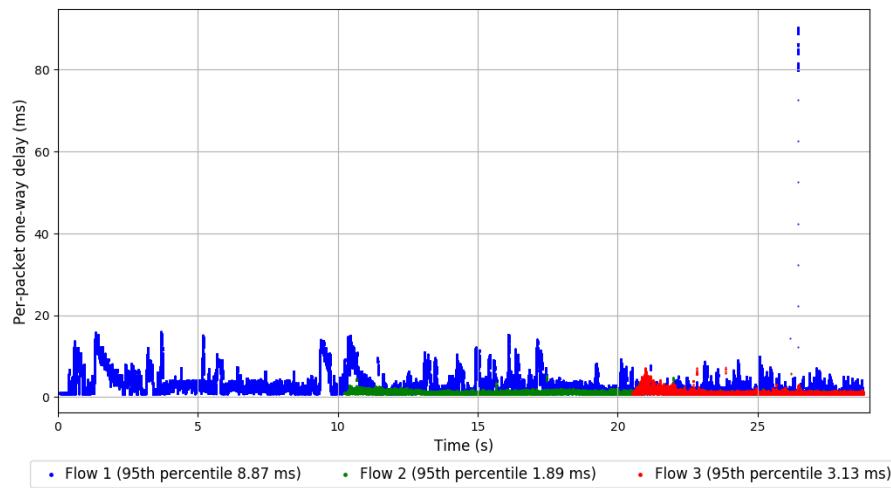
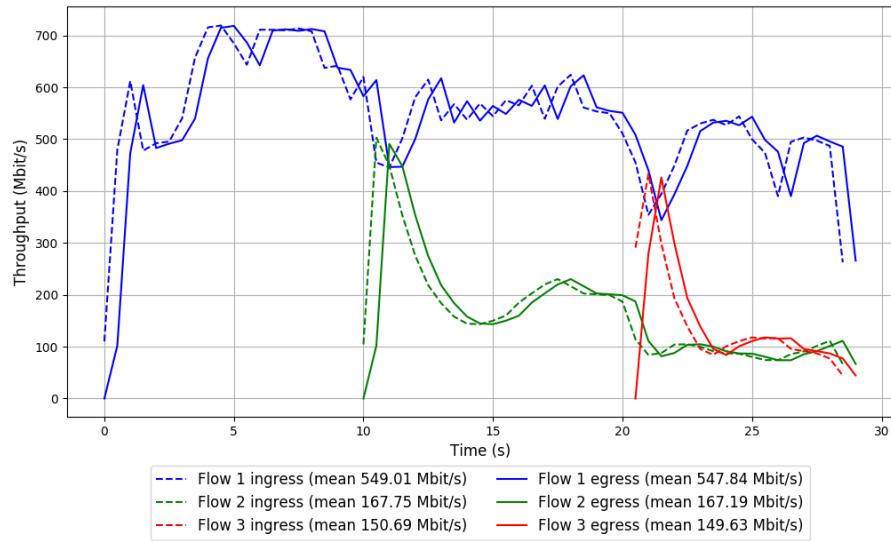


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 06:46:26
End at: 2019-12-11 06:46:56
Local clock offset: 4.533 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2019-12-11 10:06:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 698.68 Mbit/s
95th percentile per-packet one-way delay: 8.119 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 547.84 Mbit/s
95th percentile per-packet one-way delay: 8.870 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 167.19 Mbit/s
95th percentile per-packet one-way delay: 1.890 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 149.63 Mbit/s
95th percentile per-packet one-way delay: 3.130 ms
Loss rate: 0.70%
```

Run 1: Report of Indigo-MusesC3 — Data Link

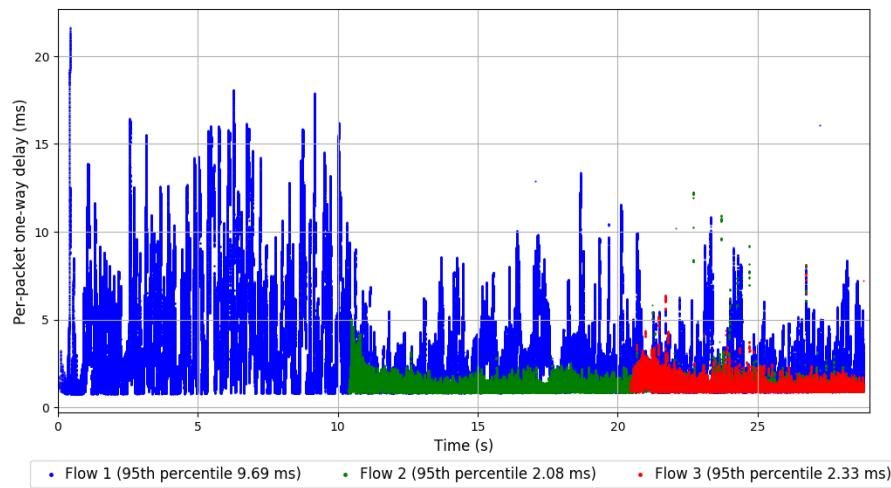
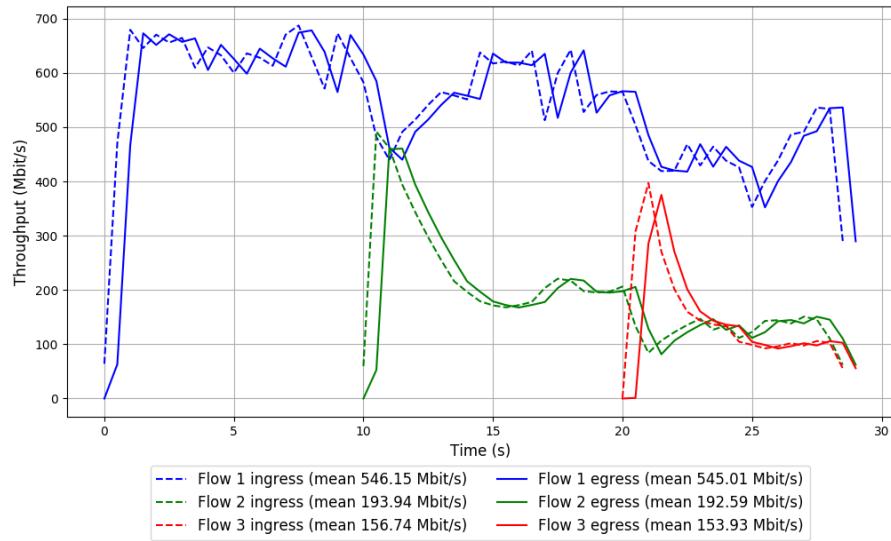


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 07:22:02
End at: 2019-12-11 07:22:32
Local clock offset: 4.395 ms
Remote clock offset: -0.577 ms

# Below is generated by plot.py at 2019-12-11 10:06:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 712.55 Mbit/s
95th percentile per-packet one-way delay: 8.682 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 545.01 Mbit/s
95th percentile per-packet one-way delay: 9.686 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 192.59 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 153.93 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 1.72%
```

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

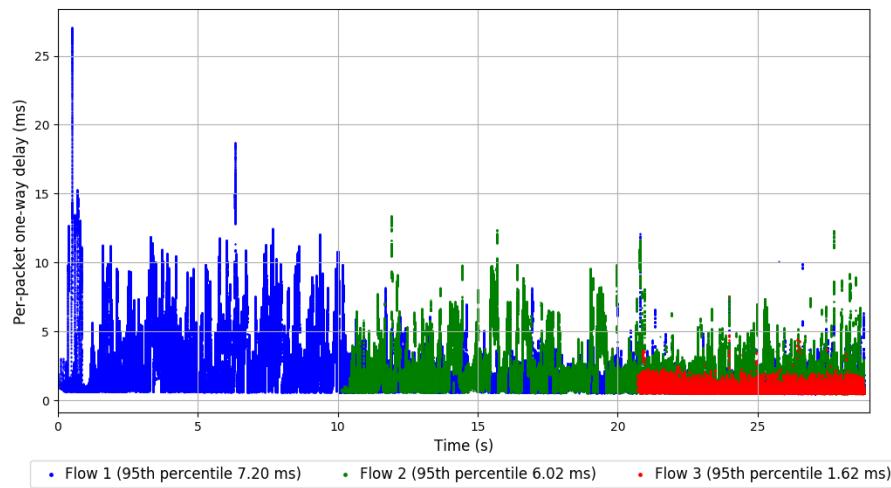
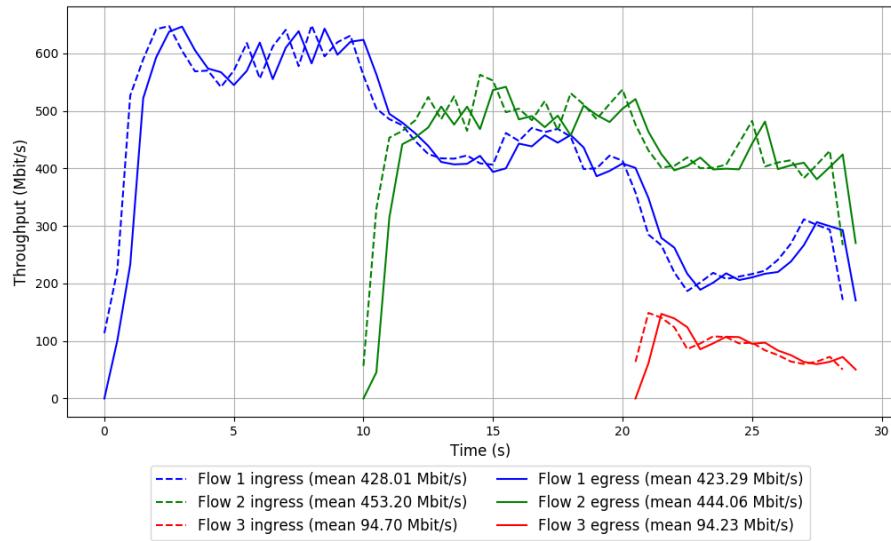


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 07:57:21
End at: 2019-12-11 07:57:51
Local clock offset: 3.417 ms
Remote clock offset: -2.816 ms

# Below is generated by plot.py at 2019-12-11 10:07:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 737.83 Mbit/s
95th percentile per-packet one-way delay: 6.537 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 423.29 Mbit/s
95th percentile per-packet one-way delay: 7.204 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 444.06 Mbit/s
95th percentile per-packet one-way delay: 6.019 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 1.618 ms
Loss rate: 0.59%
```

Run 3: Report of Indigo-MusesC3 — Data Link

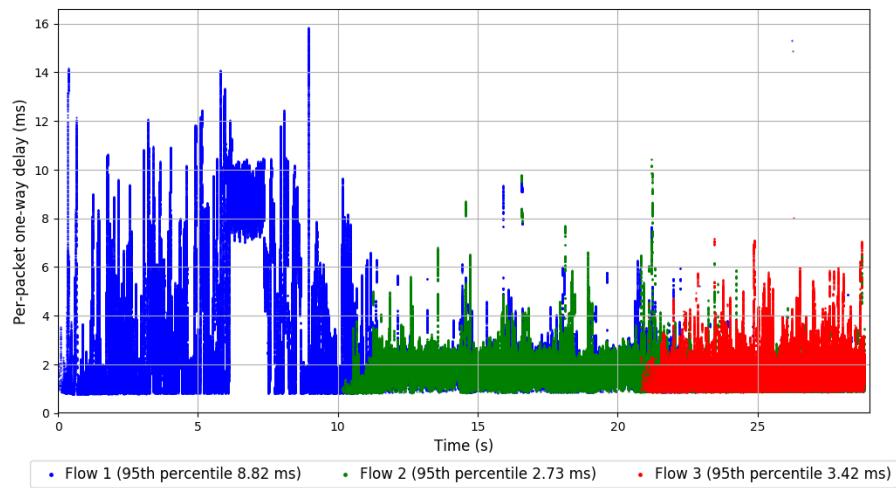
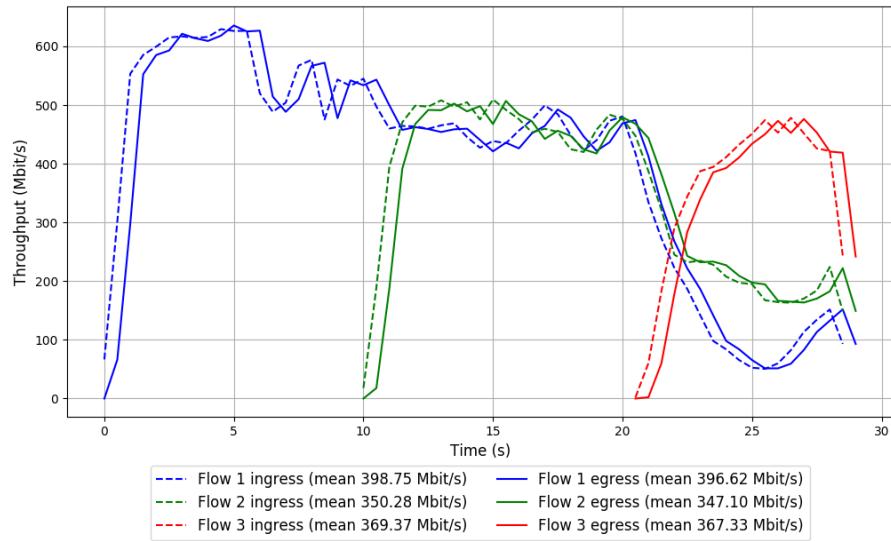


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 08:32:19
End at: 2019-12-11 08:32:49
Local clock offset: 3.412 ms
Remote clock offset: -1.259 ms

# Below is generated by plot.py at 2019-12-11 10:07:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 723.47 Mbit/s
95th percentile per-packet one-way delay: 7.609 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 396.62 Mbit/s
95th percentile per-packet one-way delay: 8.825 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 347.10 Mbit/s
95th percentile per-packet one-way delay: 2.735 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 367.33 Mbit/s
95th percentile per-packet one-way delay: 3.423 ms
Loss rate: 0.55%
```

Run 4: Report of Indigo-MusesC3 — Data Link

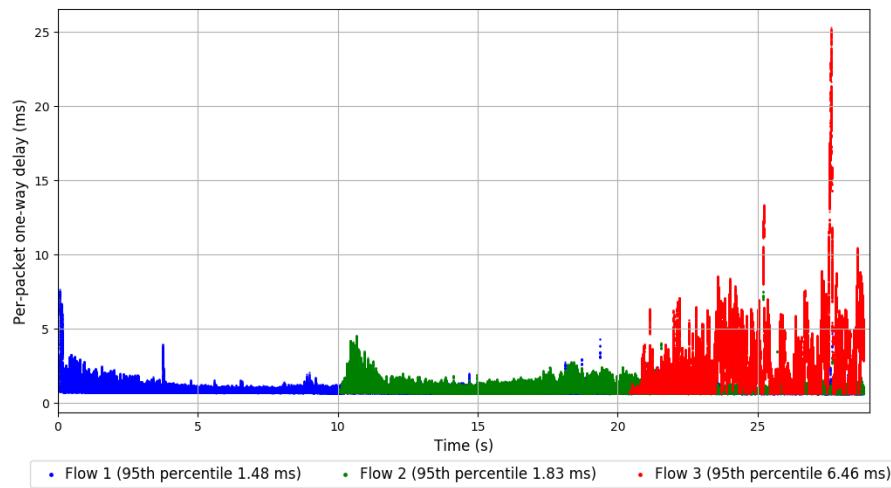
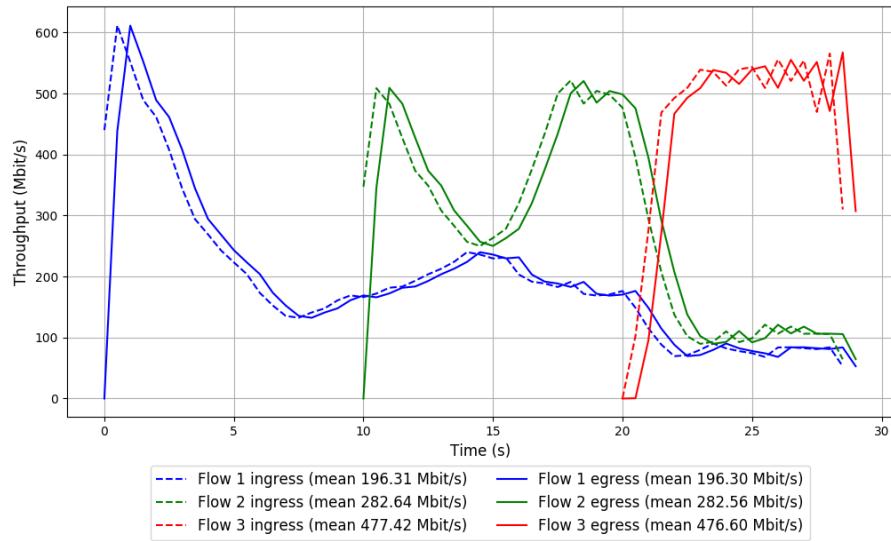


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 09:07:21
End at: 2019-12-11 09:07:51
Local clock offset: 3.018 ms
Remote clock offset: -1.65 ms

# Below is generated by plot.py at 2019-12-11 10:07:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 518.93 Mbit/s
95th percentile per-packet one-way delay: 4.477 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 196.30 Mbit/s
95th percentile per-packet one-way delay: 1.478 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 282.56 Mbit/s
95th percentile per-packet one-way delay: 1.827 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 476.60 Mbit/s
95th percentile per-packet one-way delay: 6.455 ms
Loss rate: 0.16%
```

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

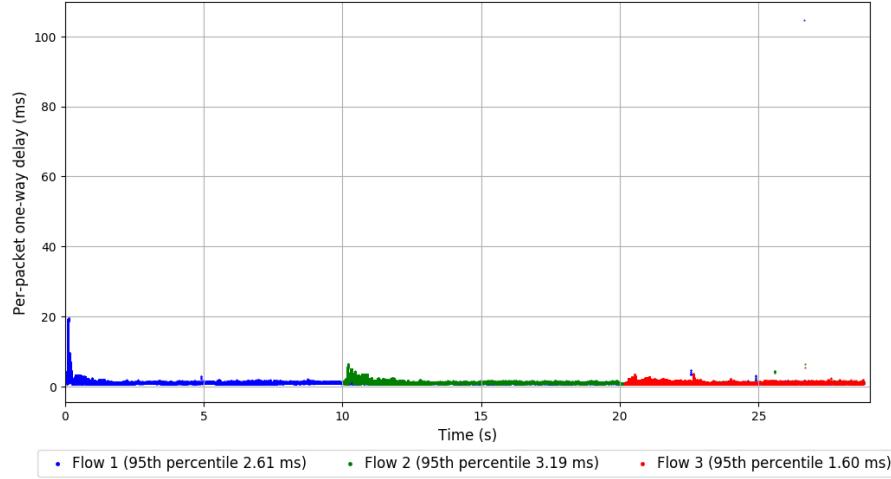
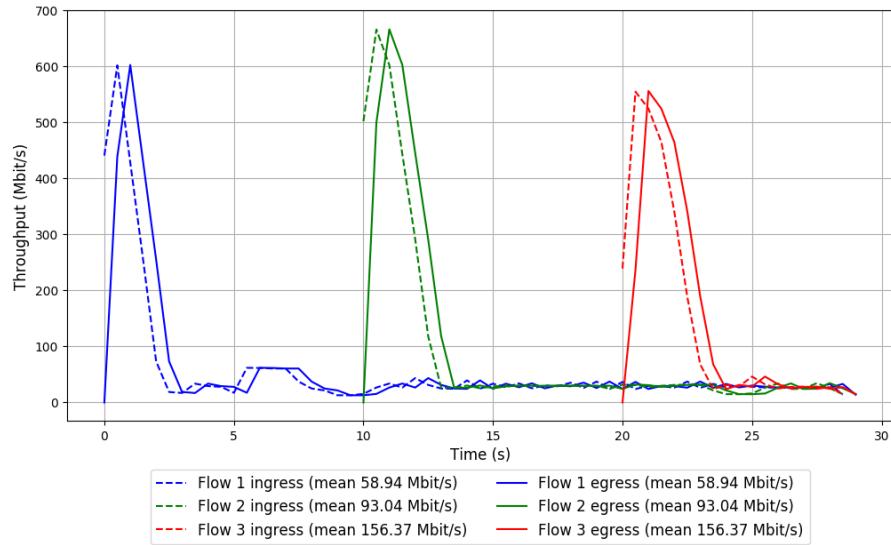


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 06:54:35
End at: 2019-12-11 06:55:05
Local clock offset: 5.315 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2019-12-11 10:07:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.20 Mbit/s
95th percentile per-packet one-way delay: 2.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 3.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.37 Mbit/s
95th percentile per-packet one-way delay: 1.602 ms
Loss rate: 0.00%
```

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

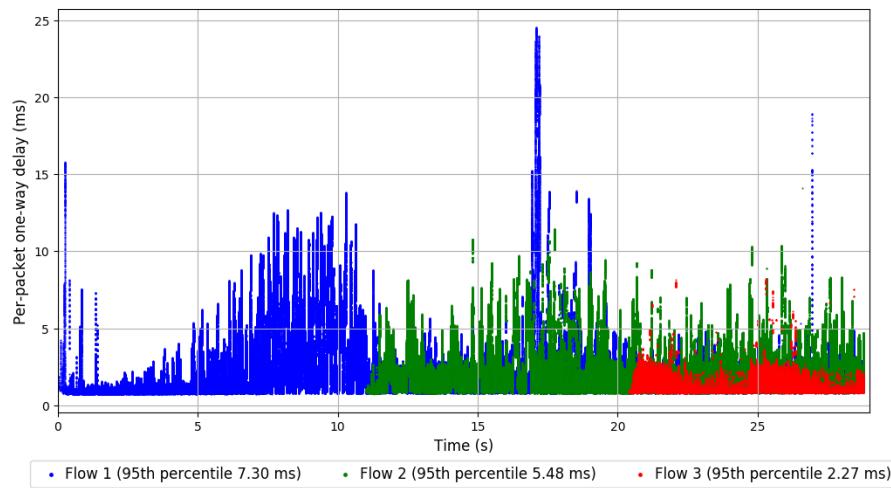
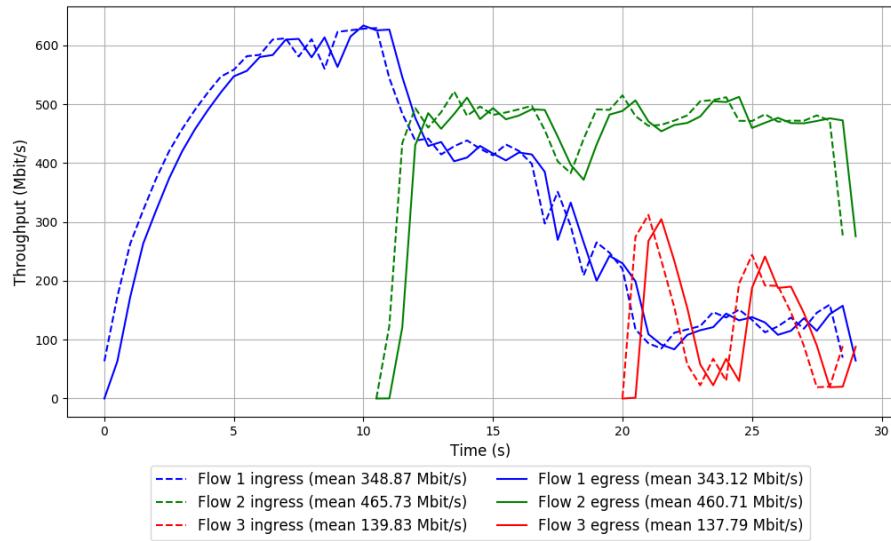


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 07:30:08
End at: 2019-12-11 07:30:38
Local clock offset: 4.126 ms
Remote clock offset: -2.408 ms

# Below is generated by plot.py at 2019-12-11 10:07:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 668.25 Mbit/s
95th percentile per-packet one-way delay: 6.211 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 343.12 Mbit/s
95th percentile per-packet one-way delay: 7.296 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 460.71 Mbit/s
95th percentile per-packet one-way delay: 5.484 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 137.79 Mbit/s
95th percentile per-packet one-way delay: 2.274 ms
Loss rate: 1.45%
```

Run 2: Report of Indigo-MusesC5 — Data Link

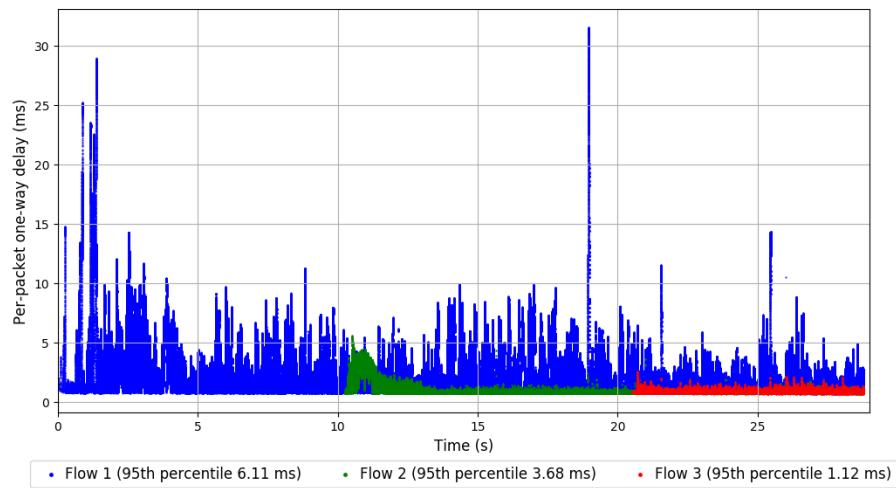
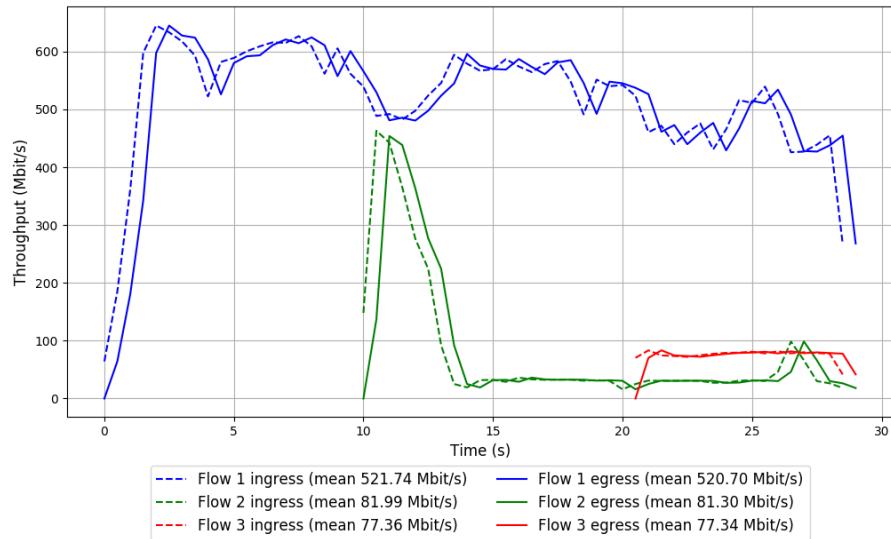


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 08:05:22
End at: 2019-12-11 08:05:52
Local clock offset: 3.309 ms
Remote clock offset: -0.949 ms

# Below is generated by plot.py at 2019-12-11 10:07:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.27 Mbit/s
95th percentile per-packet one-way delay: 5.846 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 520.70 Mbit/s
95th percentile per-packet one-way delay: 6.107 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 3.681 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo-MusesC5 — Data Link

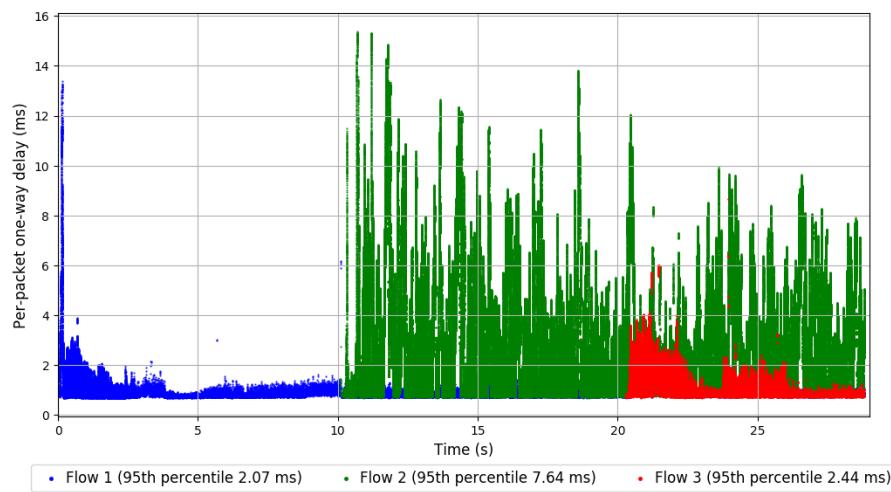
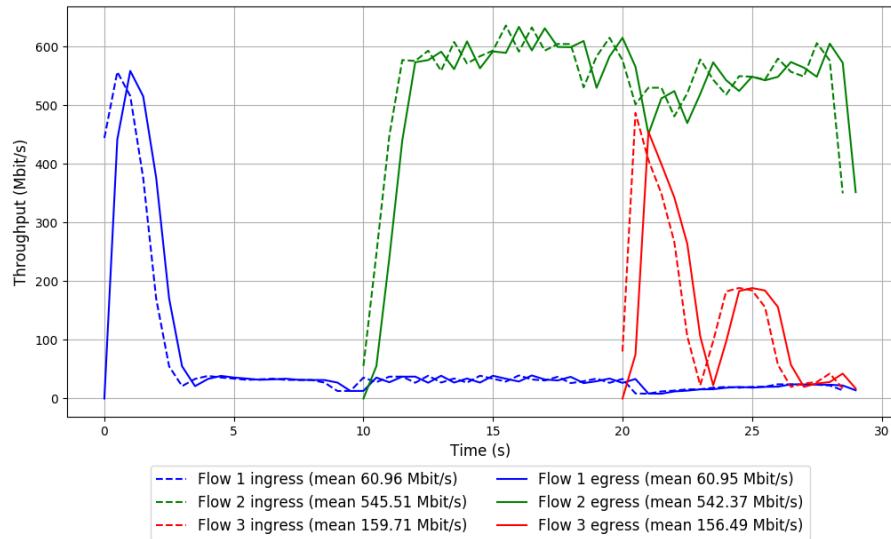


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 08:40:21
End at: 2019-12-11 08:40:51
Local clock offset: 3.374 ms
Remote clock offset: -2.513 ms

# Below is generated by plot.py at 2019-12-11 10:07:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.69 Mbit/s
95th percentile per-packet one-way delay: 7.188 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 2.069 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 542.37 Mbit/s
95th percentile per-packet one-way delay: 7.636 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 156.49 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 2.01%
```

Run 4: Report of Indigo-MusesC5 — Data Link

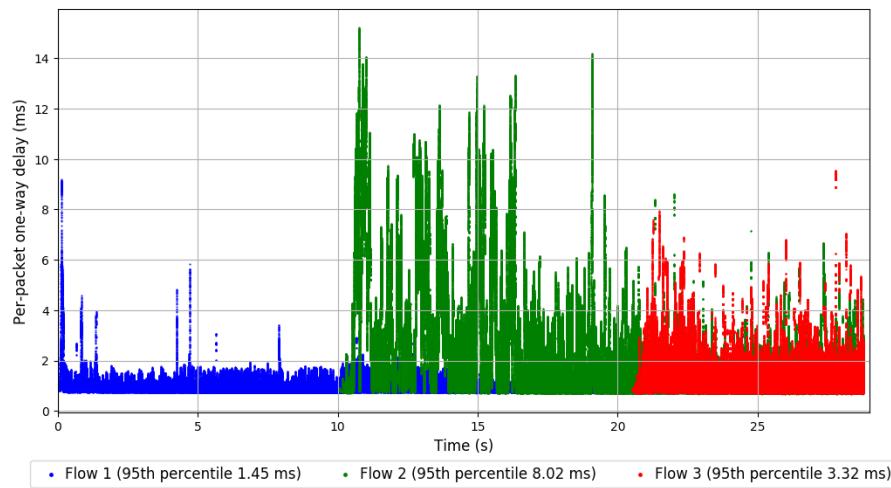
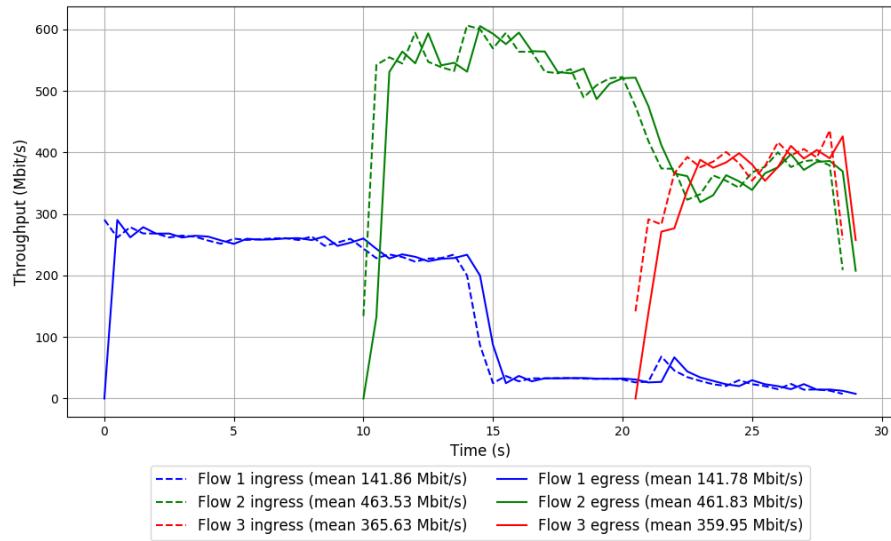


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 09:15:19
End at: 2019-12-11 09:15:49
Local clock offset: 2.935 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2019-12-11 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 545.67 Mbit/s
95th percentile per-packet one-way delay: 6.210 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 141.78 Mbit/s
95th percentile per-packet one-way delay: 1.445 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 461.83 Mbit/s
95th percentile per-packet one-way delay: 8.019 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 359.95 Mbit/s
95th percentile per-packet one-way delay: 3.317 ms
Loss rate: 1.54%
```

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

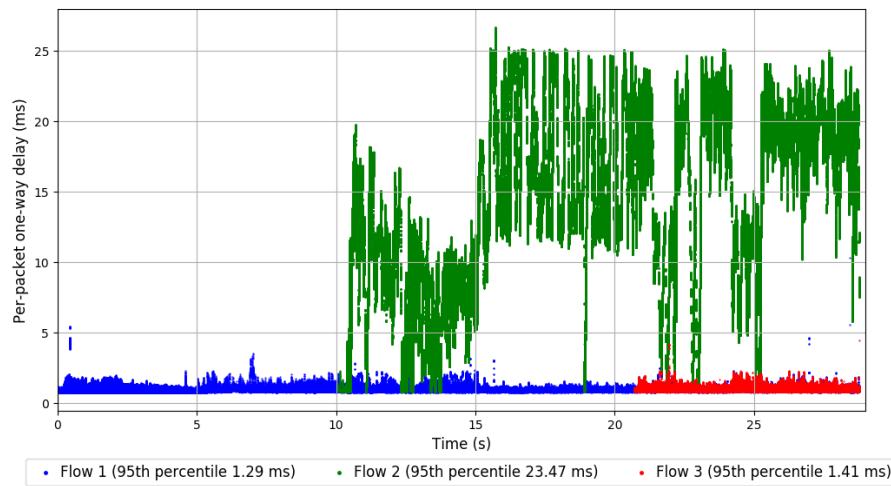
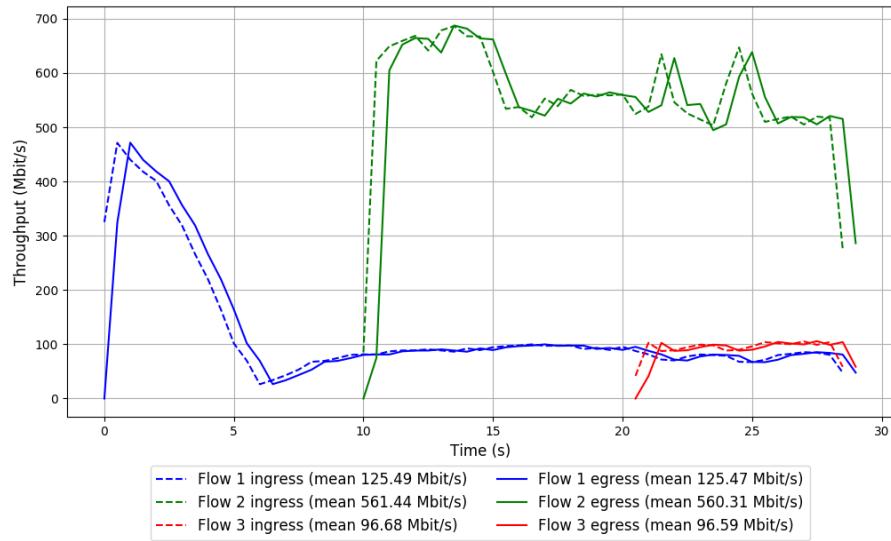


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 06:55:55
End at: 2019-12-11 06:56:25
Local clock offset: 5.383 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2019-12-11 10:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 517.48 Mbit/s
95th percentile per-packet one-way delay: 22.873 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 125.47 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 560.31 Mbit/s
95th percentile per-packet one-way delay: 23.474 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 1.405 ms
Loss rate: 0.05%
```

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

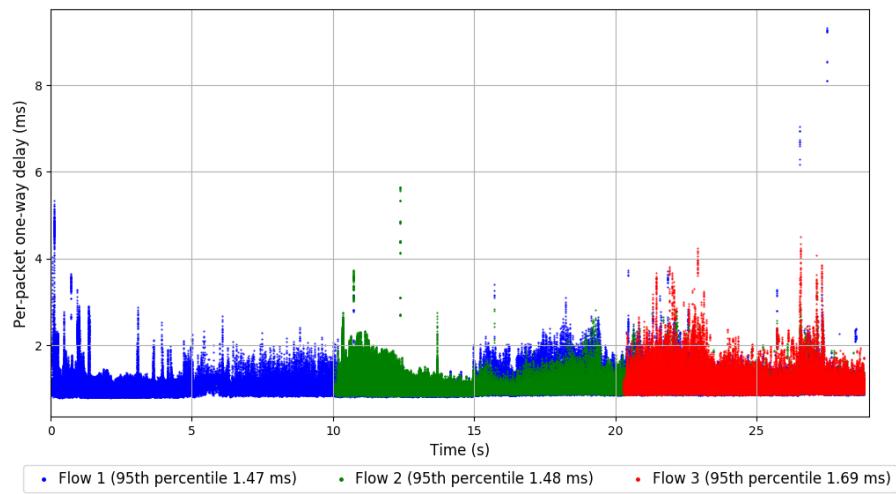
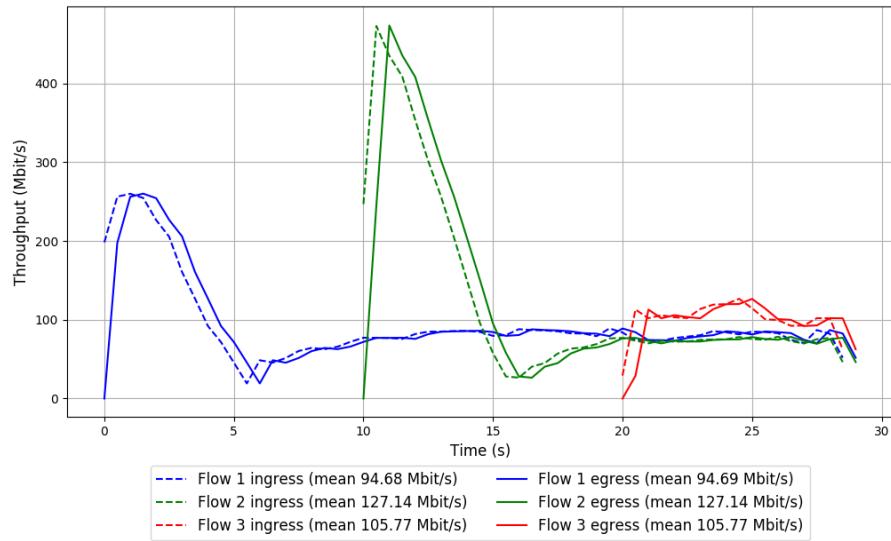


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 07:31:44
End at: 2019-12-11 07:32:14
Local clock offset: 4.074 ms
Remote clock offset: -2.62 ms

# Below is generated by plot.py at 2019-12-11 10:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 208.67 Mbit/s
95th percentile per-packet one-way delay: 1.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 1.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.14 Mbit/s
95th percentile per-packet one-way delay: 1.476 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.77 Mbit/s
95th percentile per-packet one-way delay: 1.691 ms
Loss rate: 0.00%
```

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

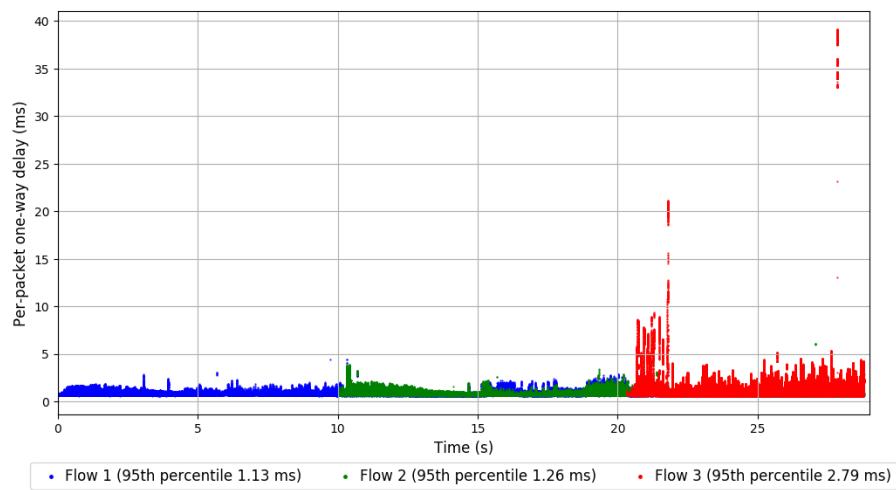
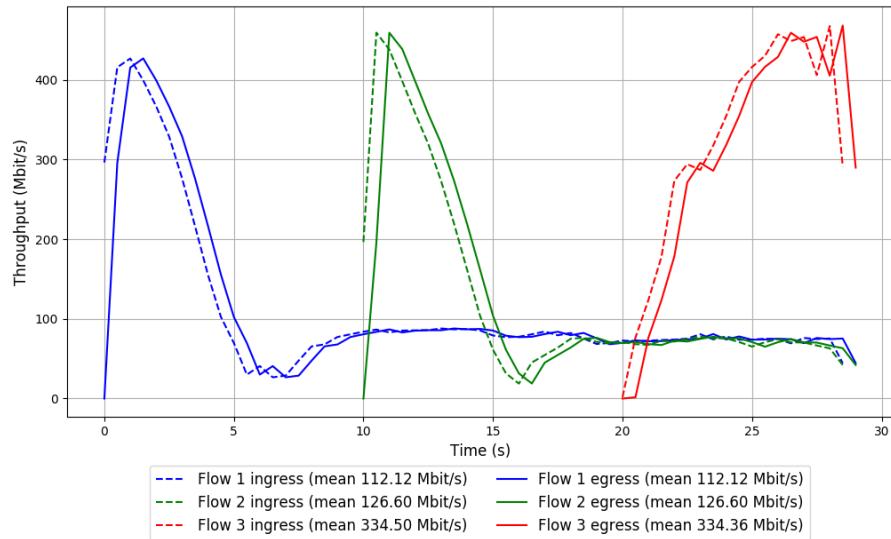


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 08:06:55
End at: 2019-12-11 08:07:25
Local clock offset: 3.304 ms
Remote clock offset: -0.869 ms

# Below is generated by plot.py at 2019-12-11 10:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.84 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.12 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.60 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 334.36 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.04%
```

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

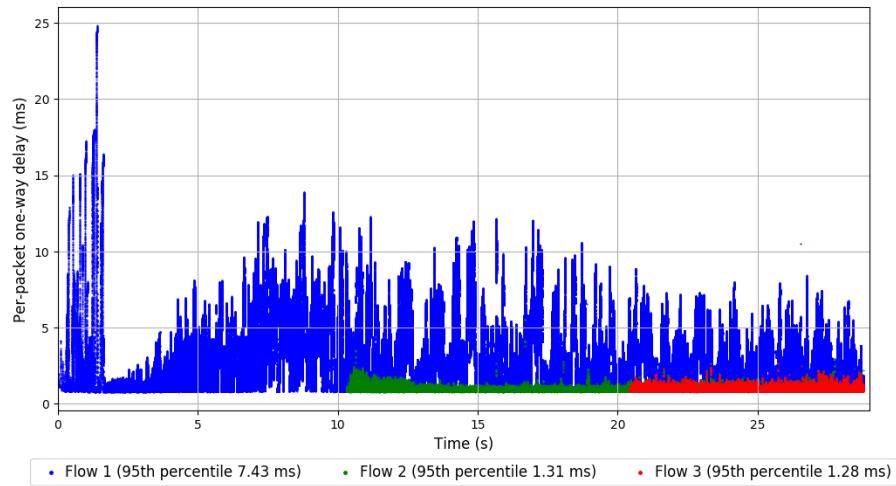
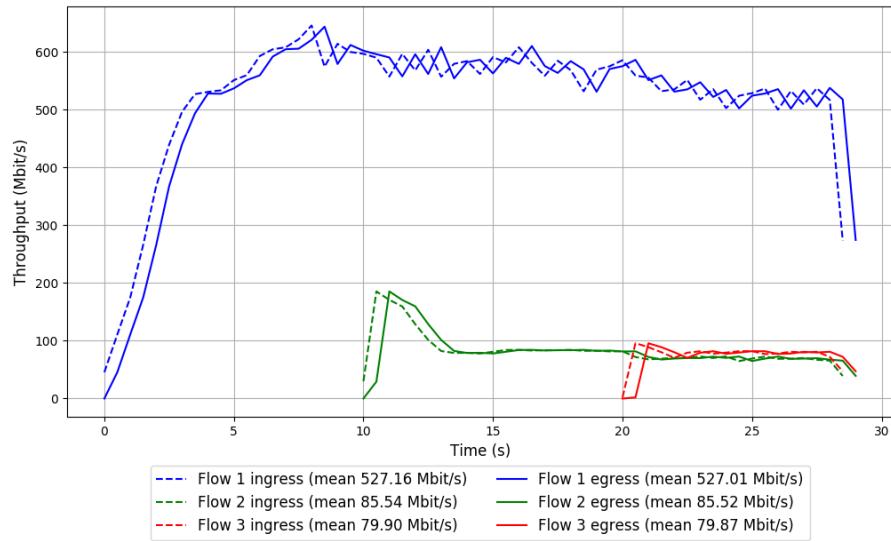


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 08:41:51
End at: 2019-12-11 08:42:21
Local clock offset: 3.322 ms
Remote clock offset: -2.601 ms

# Below is generated by plot.py at 2019-12-11 10:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 605.04 Mbit/s
95th percentile per-packet one-way delay: 7.188 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 527.01 Mbit/s
95th percentile per-packet one-way delay: 7.431 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo-MusesD — Data Link

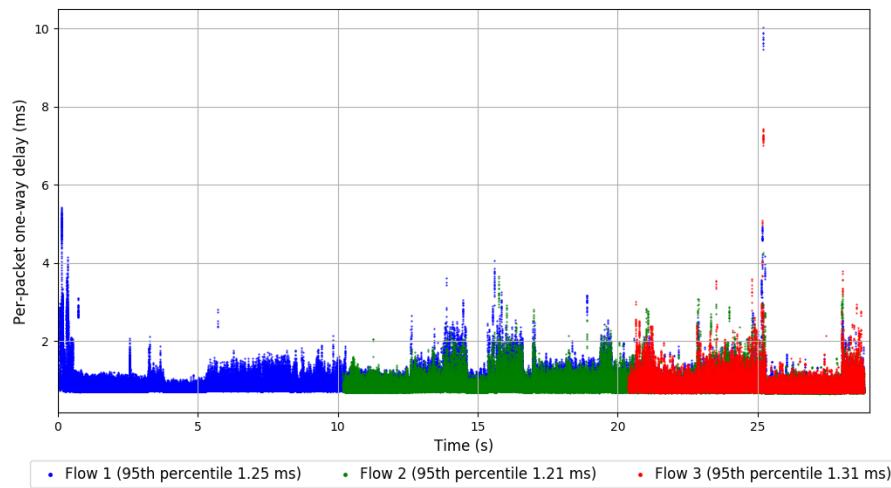
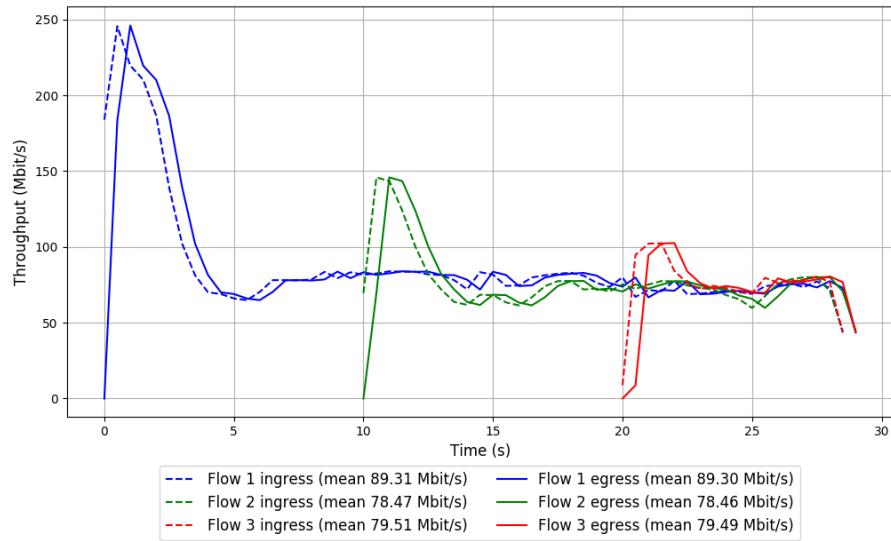


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 09:16:51
End at: 2019-12-11 09:17:21
Local clock offset: 2.941 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2019-12-11 10:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.29 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.01%
```

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

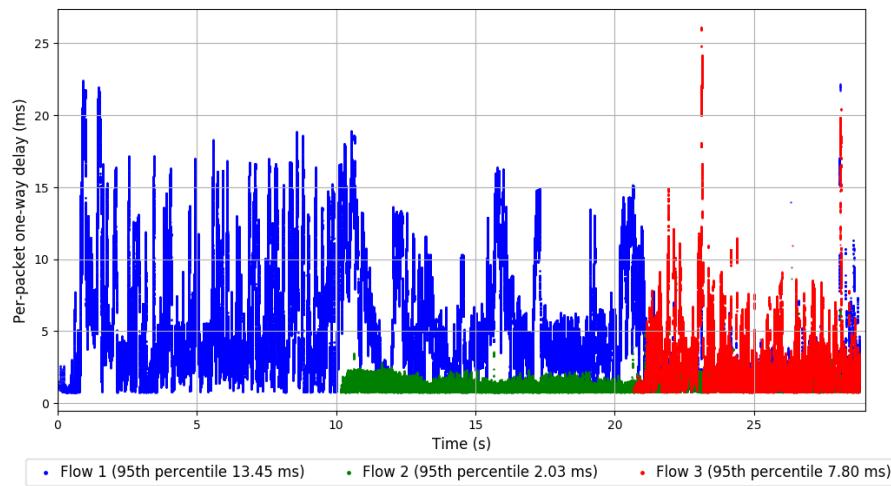
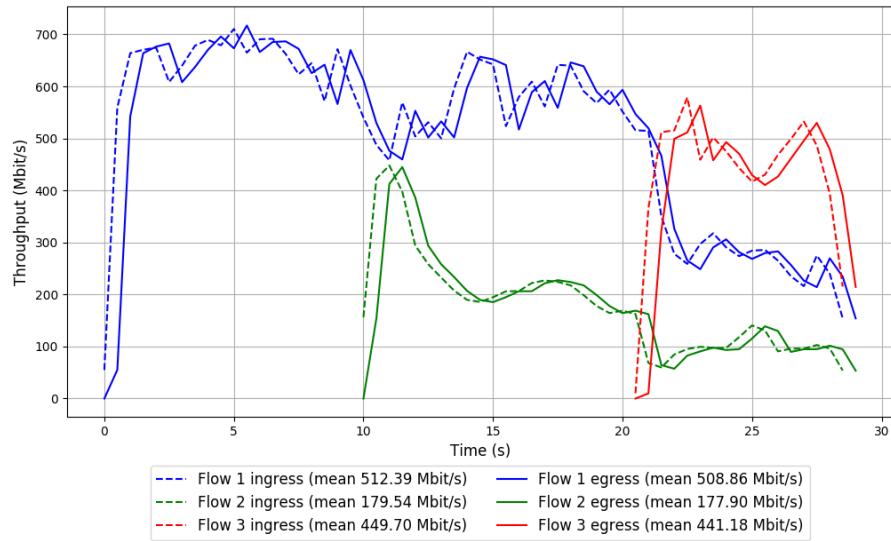


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 06:52:57
End at: 2019-12-11 06:53:27
Local clock offset: 5.174 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2019-12-11 10:15:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 748.47 Mbit/s
95th percentile per-packet one-way delay: 12.430 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 508.86 Mbit/s
95th percentile per-packet one-way delay: 13.448 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 177.90 Mbit/s
95th percentile per-packet one-way delay: 2.034 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 441.18 Mbit/s
95th percentile per-packet one-way delay: 7.803 ms
Loss rate: 1.89%
```

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

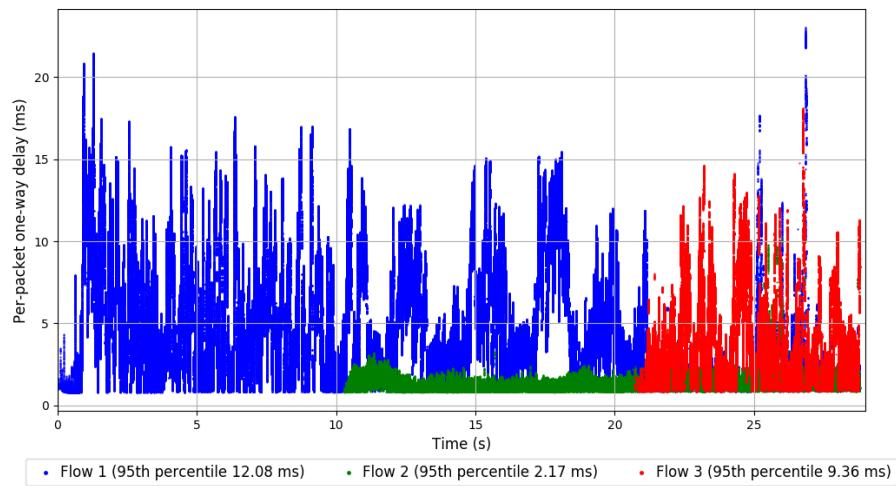
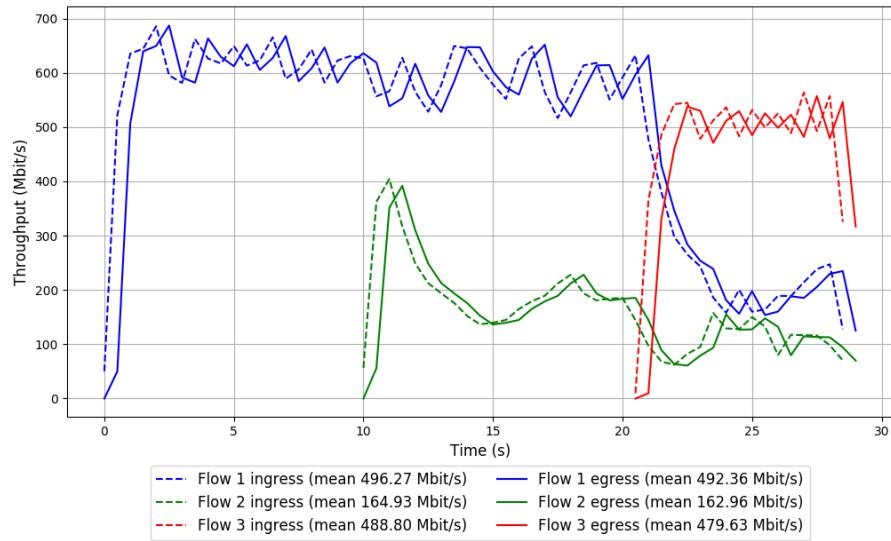


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 07:28:30
End at: 2019-12-11 07:29:00
Local clock offset: 4.181 ms
Remote clock offset: -2.091 ms

# Below is generated by plot.py at 2019-12-11 10:15:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 732.39 Mbit/s
95th percentile per-packet one-way delay: 11.230 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 492.36 Mbit/s
95th percentile per-packet one-way delay: 12.084 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 162.96 Mbit/s
95th percentile per-packet one-way delay: 2.165 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 479.63 Mbit/s
95th percentile per-packet one-way delay: 9.363 ms
Loss rate: 1.86%
```

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

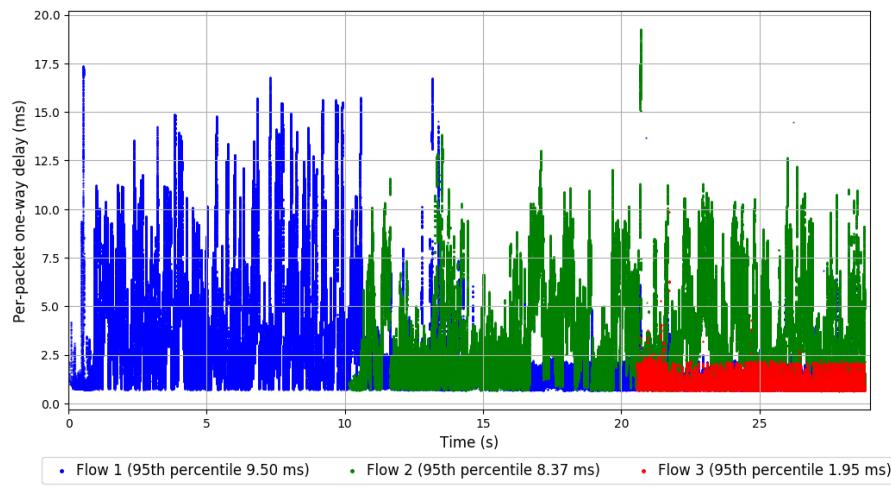
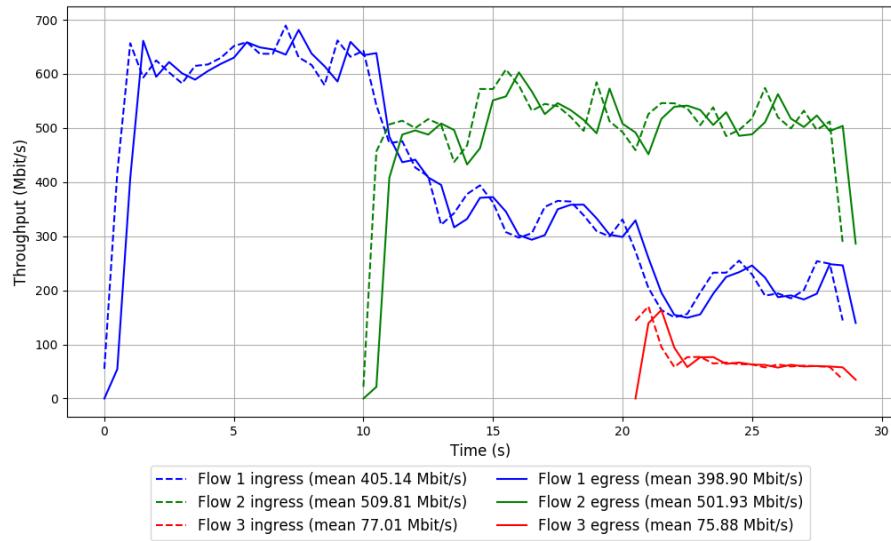


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 08:03:43
End at: 2019-12-11 08:04:13
Local clock offset: 3.332 ms
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2019-12-11 10:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 746.23 Mbit/s
95th percentile per-packet one-way delay: 8.793 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 398.90 Mbit/s
95th percentile per-packet one-way delay: 9.499 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 501.93 Mbit/s
95th percentile per-packet one-way delay: 8.372 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: 1.953 ms
Loss rate: 1.47%
```

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

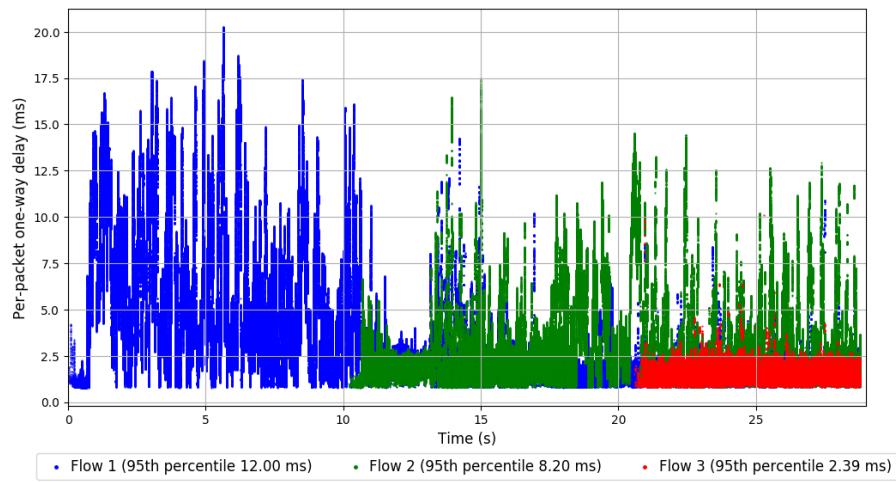
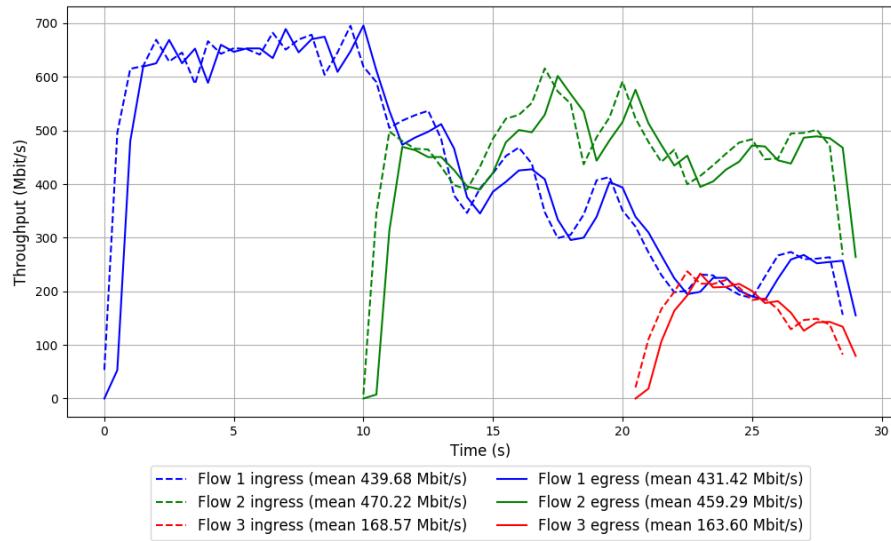


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 08:38:42
End at: 2019-12-11 08:39:12
Local clock offset: 3.42 ms
Remote clock offset: -2.255 ms

# Below is generated by plot.py at 2019-12-11 10:17:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.58 Mbit/s
95th percentile per-packet one-way delay: 10.518 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 431.42 Mbit/s
95th percentile per-packet one-way delay: 12.001 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 459.29 Mbit/s
95th percentile per-packet one-way delay: 8.202 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 163.60 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 2.96%
```

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

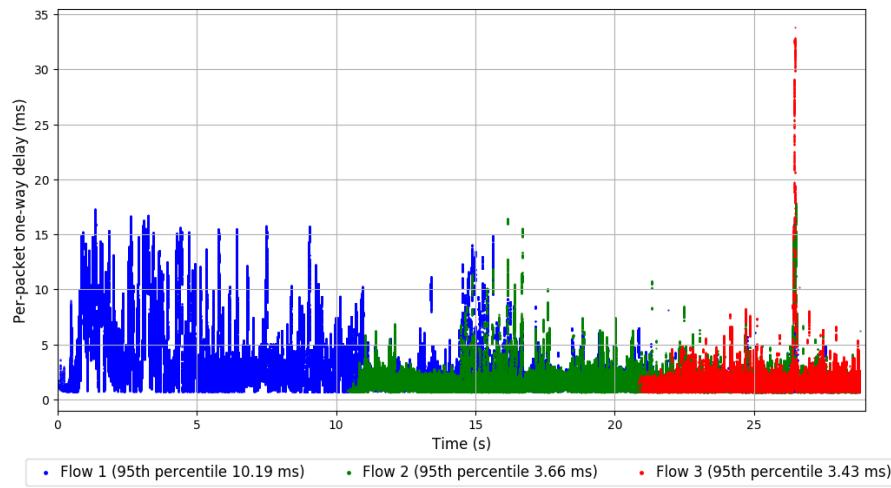
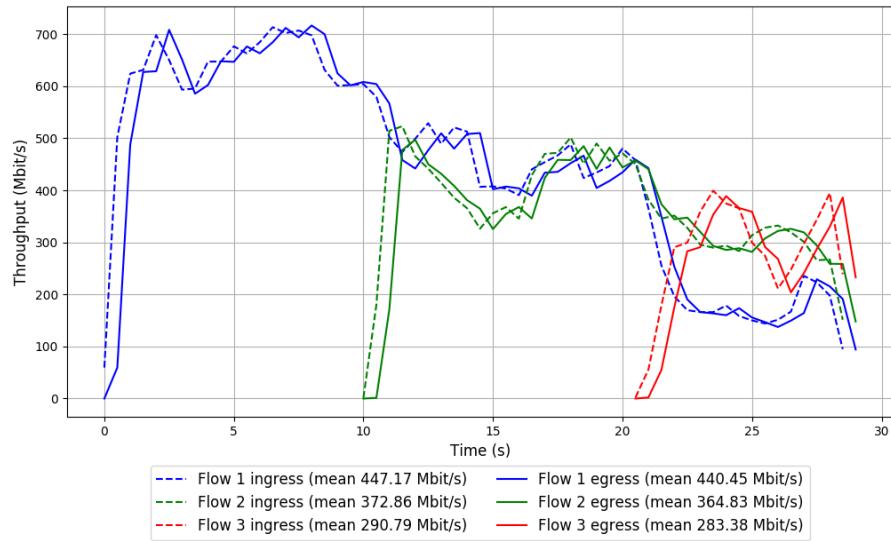


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 09:13:40
End at: 2019-12-11 09:14:10
Local clock offset: 2.953 ms
Remote clock offset: -0.505 ms

# Below is generated by plot.py at 2019-12-11 10:18:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 751.89 Mbit/s
95th percentile per-packet one-way delay: 8.589 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 440.45 Mbit/s
95th percentile per-packet one-way delay: 10.186 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 364.83 Mbit/s
95th percentile per-packet one-way delay: 3.657 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 283.38 Mbit/s
95th percentile per-packet one-way delay: 3.433 ms
Loss rate: 2.55%
```

Run 5: Report of Indigo-MusesT — Data Link

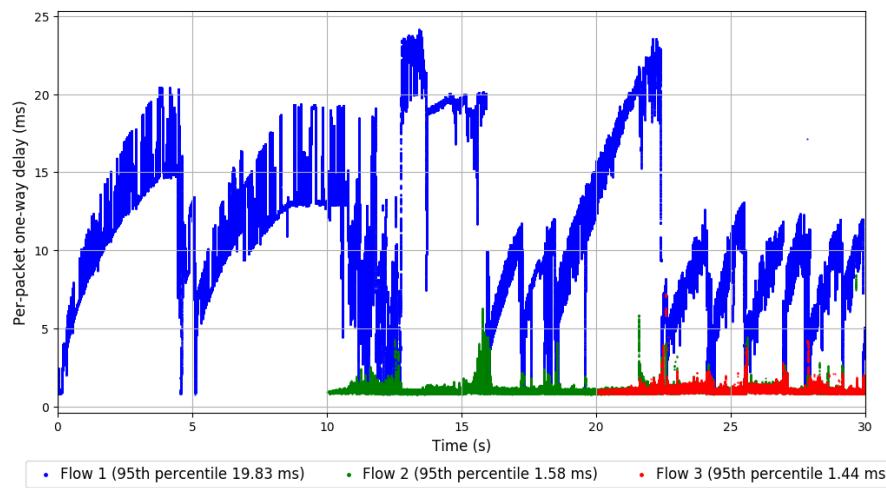
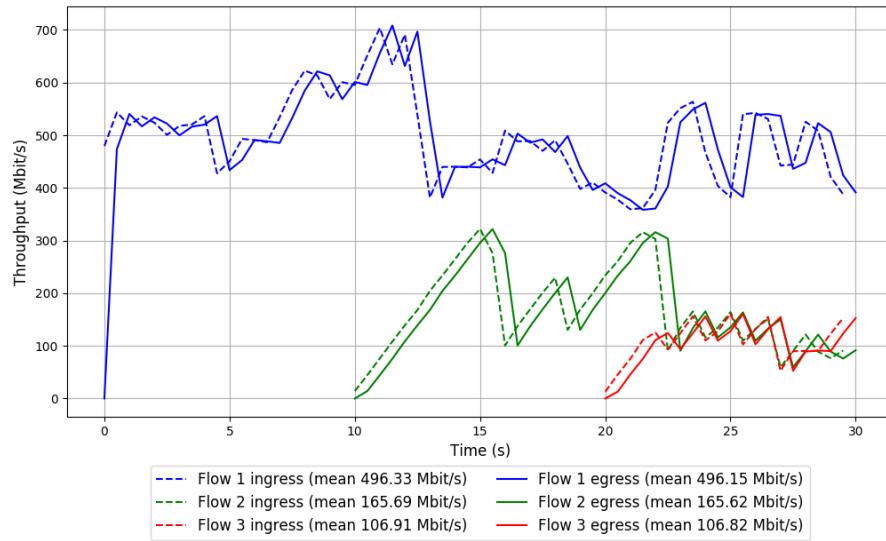


```
Run 1: Statistics of LEDBAT

Start at: 2019-12-11 06:51:15
End at: 2019-12-11 06:51:45
Local clock offset: 5.029 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2019-12-11 10:18:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 641.99 Mbit/s
95th percentile per-packet one-way delay: 19.590 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 496.15 Mbit/s
95th percentile per-packet one-way delay: 19.832 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 165.62 Mbit/s
95th percentile per-packet one-way delay: 1.585 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 106.82 Mbit/s
95th percentile per-packet one-way delay: 1.439 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

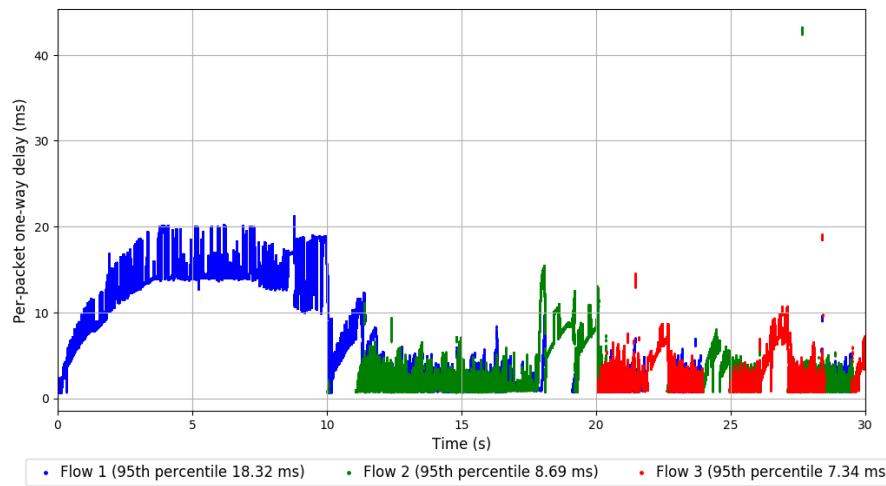
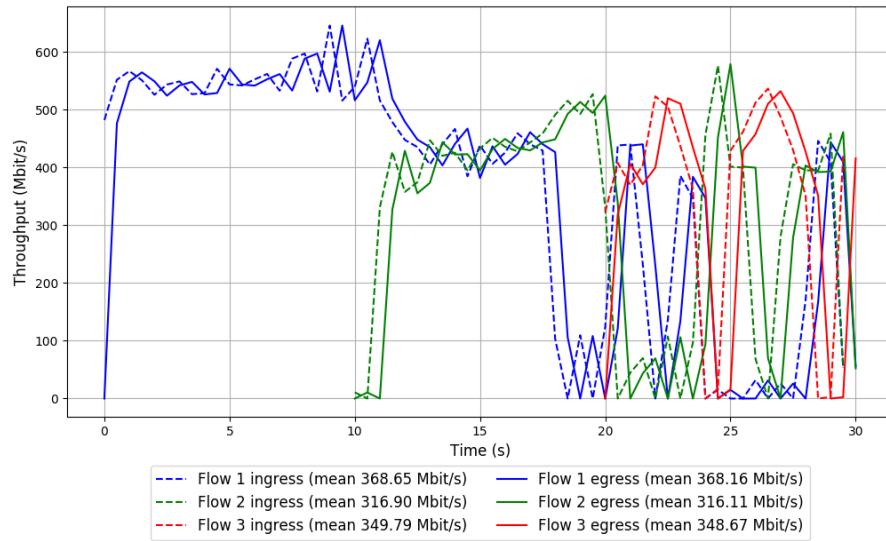


Run 2: Statistics of LEDBAT

```
Start at: 2019-12-11 07:26:48
End at: 2019-12-11 07:27:18
Local clock offset: 4.21 ms
Remote clock offset: -1.868 ms

# Below is generated by plot.py at 2019-12-11 10:19:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 685.05 Mbit/s
95th percentile per-packet one-way delay: 16.592 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 368.16 Mbit/s
95th percentile per-packet one-way delay: 18.317 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 316.11 Mbit/s
95th percentile per-packet one-way delay: 8.693 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 348.67 Mbit/s
95th percentile per-packet one-way delay: 7.340 ms
Loss rate: 0.32%
```

Run 2: Report of LEDBAT — Data Link

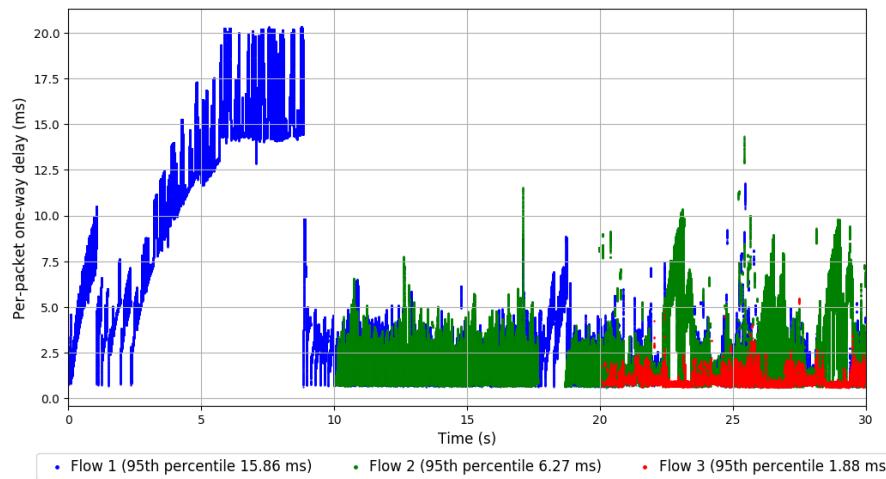
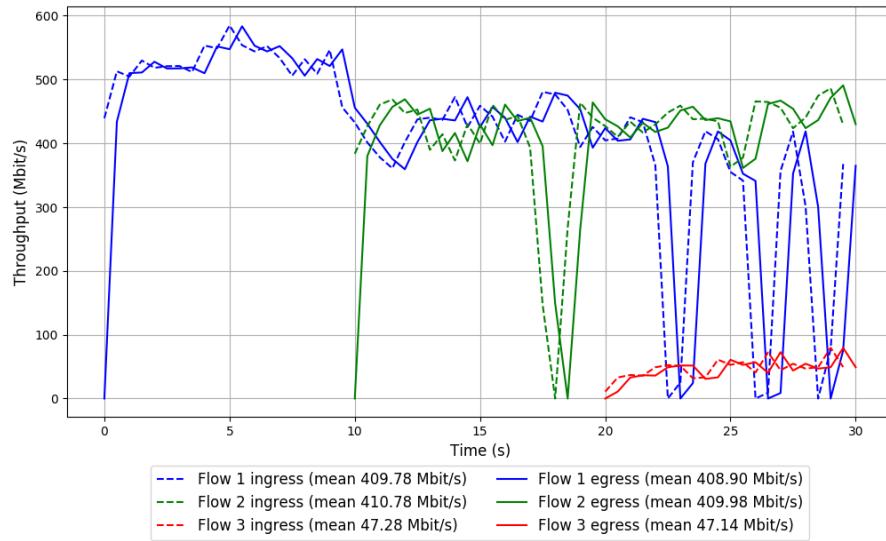


Run 3: Statistics of LEDBAT

```
Start at: 2019-12-11 08:02:01
End at: 2019-12-11 08:02:31
Local clock offset: 3.365 ms
Remote clock offset: -1.51 ms

# Below is generated by plot.py at 2019-12-11 10:21:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 697.70 Mbit/s
95th percentile per-packet one-way delay: 14.503 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 408.90 Mbit/s
95th percentile per-packet one-way delay: 15.863 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 409.98 Mbit/s
95th percentile per-packet one-way delay: 6.274 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 1.875 ms
Loss rate: 0.30%
```

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

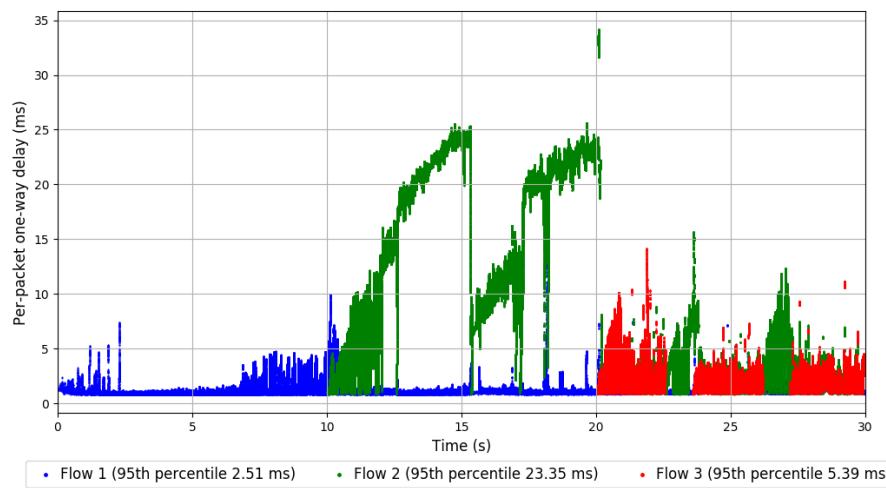
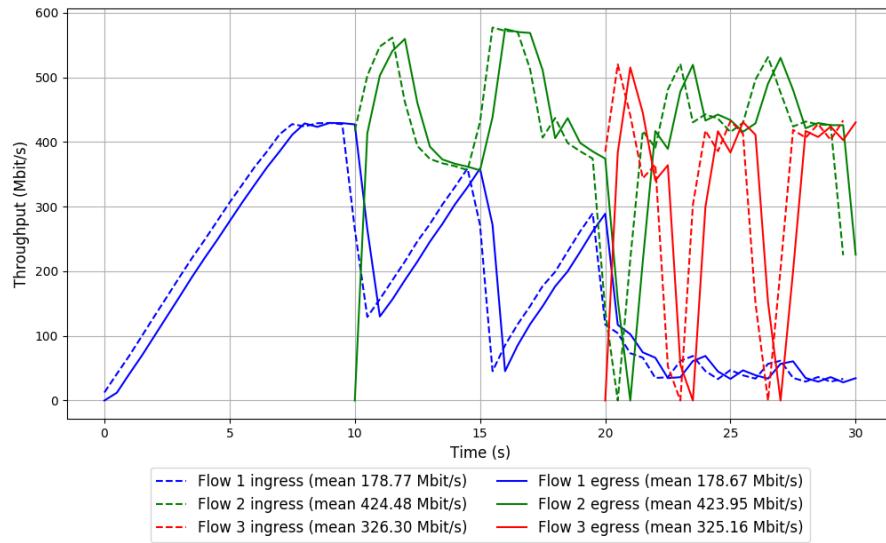


Run 4: Statistics of LEDBAT

```
Start at: 2019-12-11 08:37:04
End at: 2019-12-11 08:37:34
Local clock offset: 3.402 ms
Remote clock offset: -2.038 ms

# Below is generated by plot.py at 2019-12-11 10:21:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.05 Mbit/s
95th percentile per-packet one-way delay: 22.161 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 178.67 Mbit/s
95th percentile per-packet one-way delay: 2.510 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 423.95 Mbit/s
95th percentile per-packet one-way delay: 23.348 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 325.16 Mbit/s
95th percentile per-packet one-way delay: 5.392 ms
Loss rate: 0.35%
```

Run 4: Report of LEDBAT — Data Link

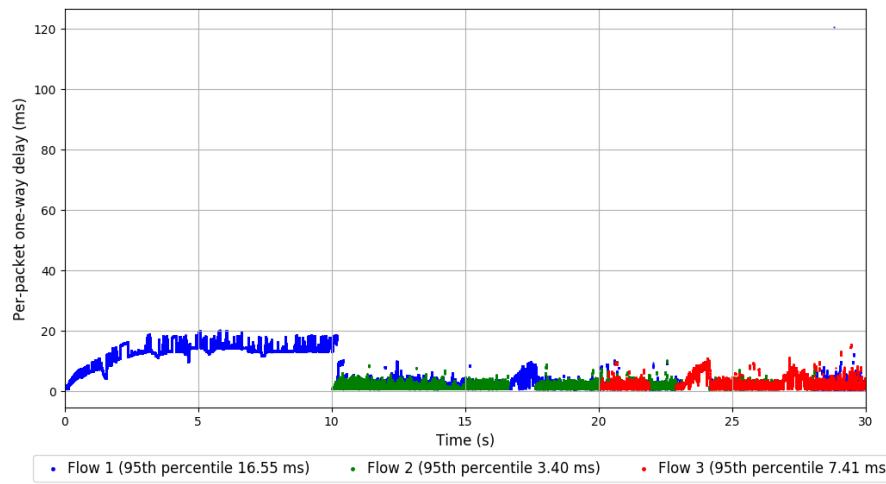
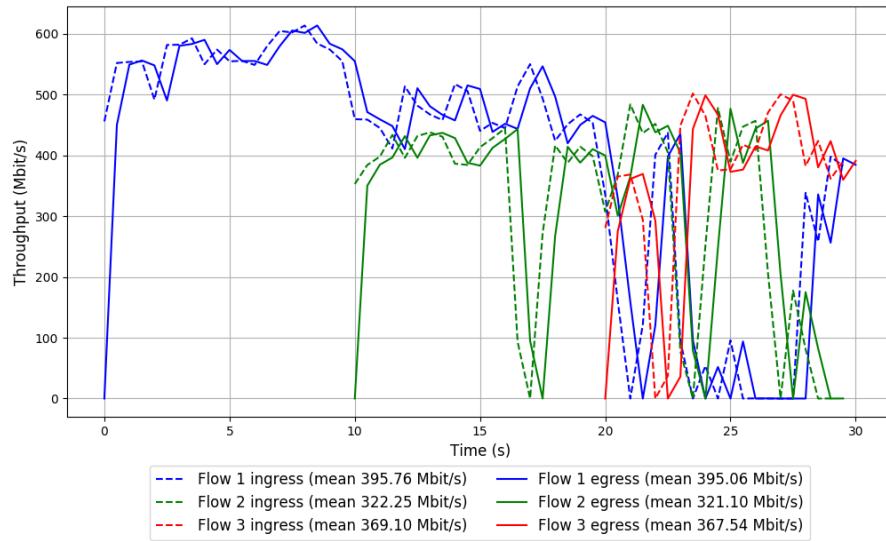


Run 5: Statistics of LEDBAT

```
Start at: 2019-12-11 09:11:58
End at: 2019-12-11 09:12:28
Local clock offset: 2.945 ms
Remote clock offset: -0.768 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 721.82 Mbit/s
95th percentile per-packet one-way delay: 15.251 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 395.06 Mbit/s
95th percentile per-packet one-way delay: 16.554 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 321.10 Mbit/s
95th percentile per-packet one-way delay: 3.401 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 367.54 Mbit/s
95th percentile per-packet one-way delay: 7.413 ms
Loss rate: 0.42%
```

Run 5: Report of LEDBAT — Data Link

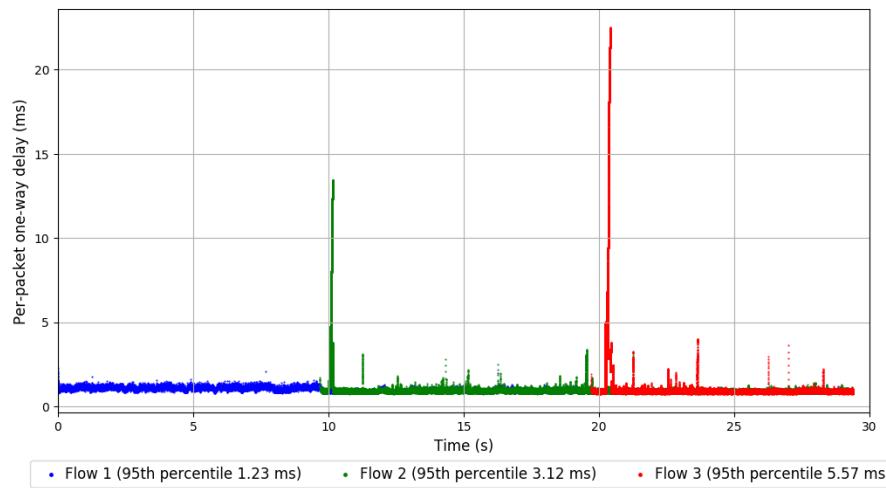
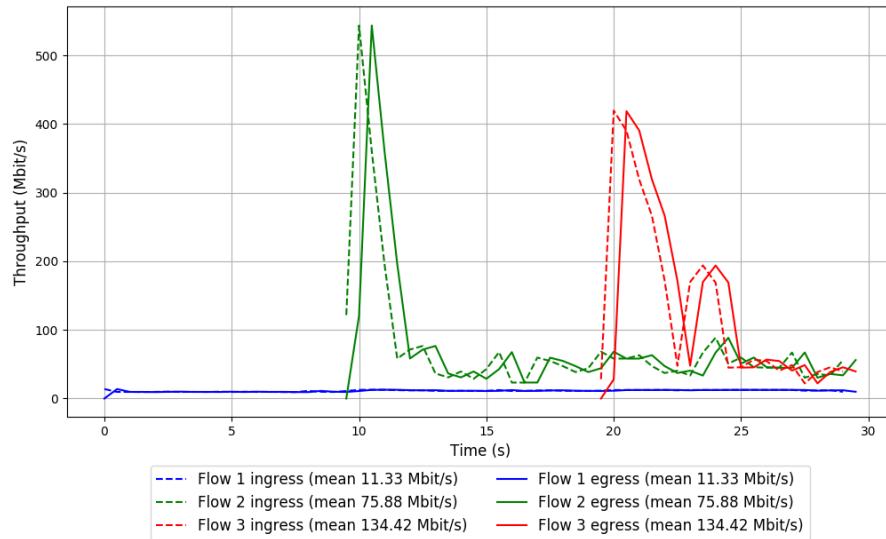


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 06:34:01
End at: 2019-12-11 06:34:31
Local clock offset: 2.95 ms
Remote clock offset: -0.345 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.68 Mbit/s
95th percentile per-packet one-way delay: 3.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: 3.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.42 Mbit/s
95th percentile per-packet one-way delay: 5.565 ms
Loss rate: 0.00%
```

Run 1: Report of Muses\_DecisionTree — Data Link

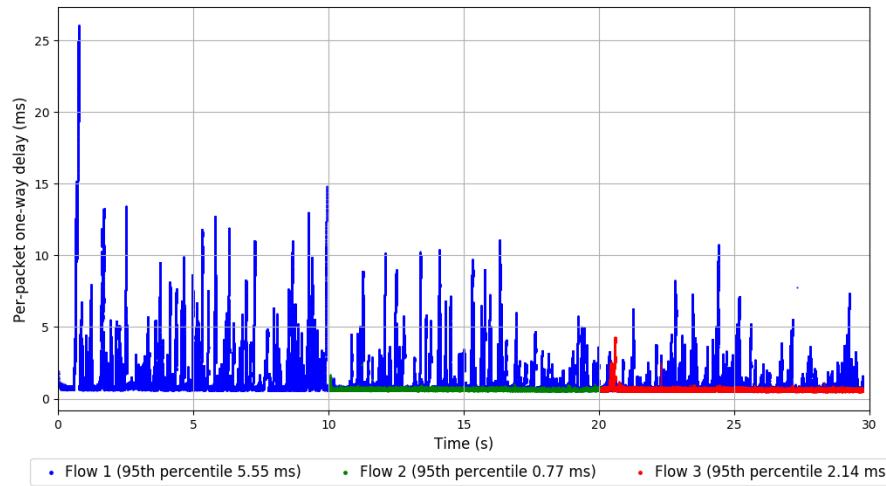
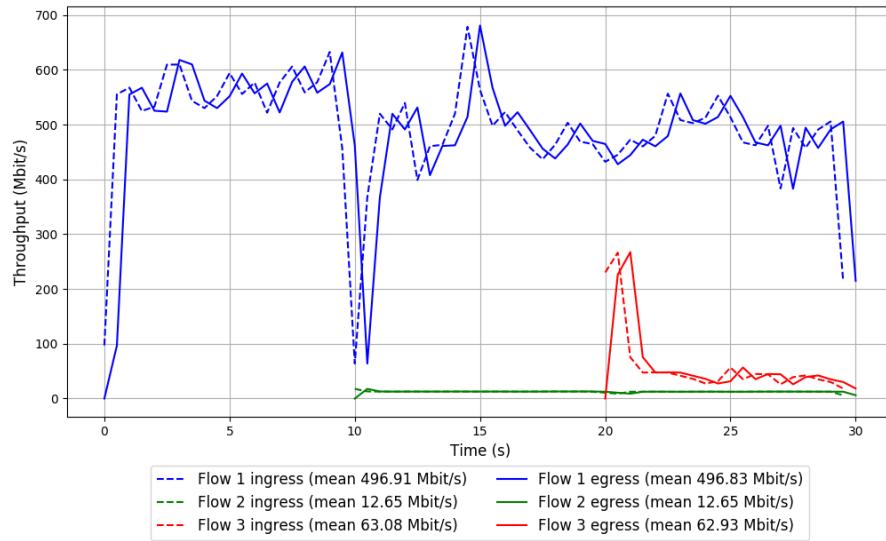


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 07:09:09
End at: 2019-12-11 07:09:39
Local clock offset: 5.935 ms
Remote clock offset: 0.508 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 525.72 Mbit/s
95th percentile per-packet one-way delay: 5.391 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 496.83 Mbit/s
95th percentile per-packet one-way delay: 5.549 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 0.770 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 0.23%
```

Run 2: Report of Muses\_DecisionTree — Data Link

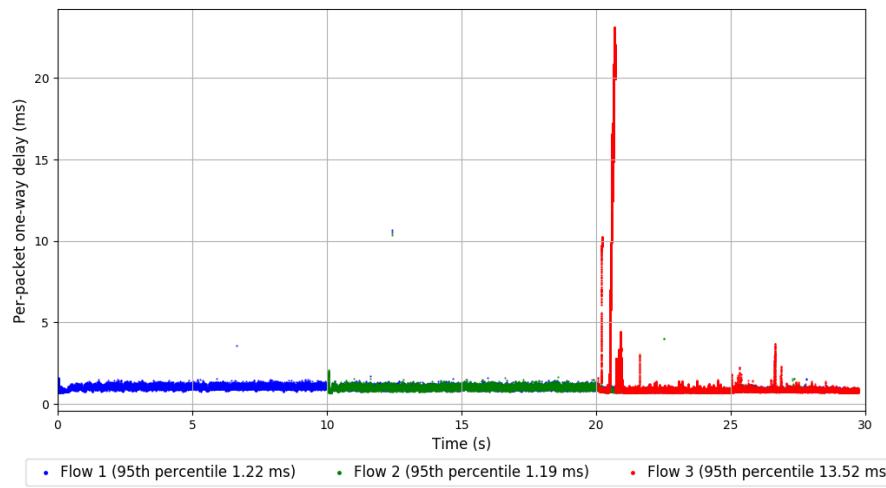
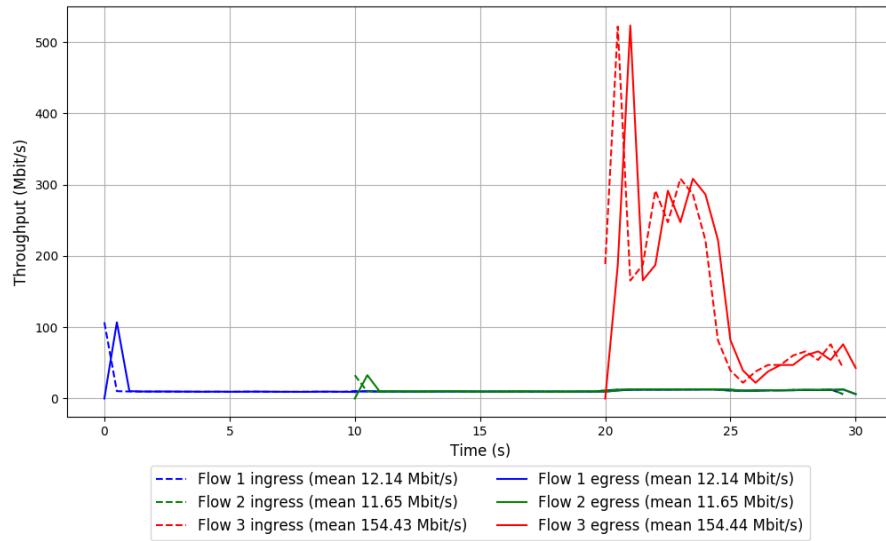


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 07:44:57
End at: 2019-12-11 07:45:27
Local clock offset: 3.691 ms
Remote clock offset: -3.991 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 7.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 154.44 Mbit/s
95th percentile per-packet one-way delay: 13.519 ms
Loss rate: 0.00%
```

### Run 3: Report of Muses\_DecisionTree — Data Link

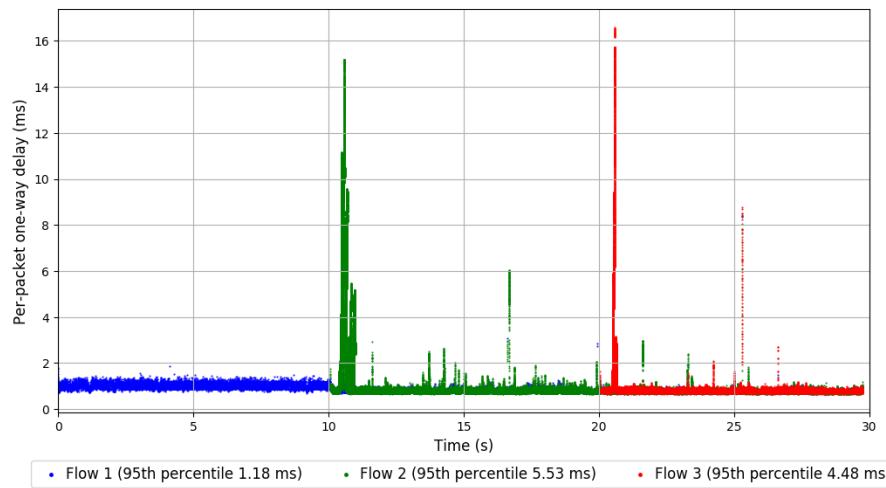
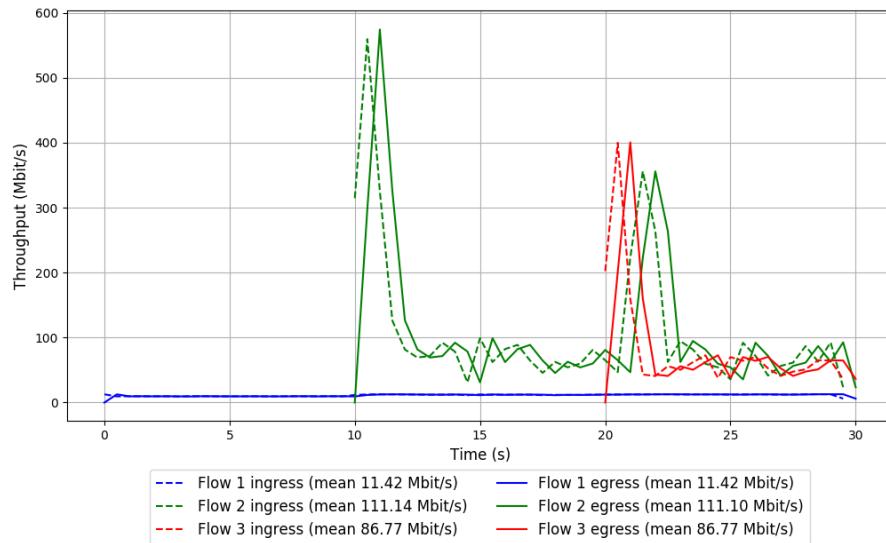


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 08:19:58
End at: 2019-12-11 08:20:28
Local clock offset: 3.412 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.41 Mbit/s
95th percentile per-packet one-way delay: 4.741 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.10 Mbit/s
95th percentile per-packet one-way delay: 5.526 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 4.480 ms
Loss rate: 0.00%
```

Run 4: Report of Muses\_DecisionTree — Data Link

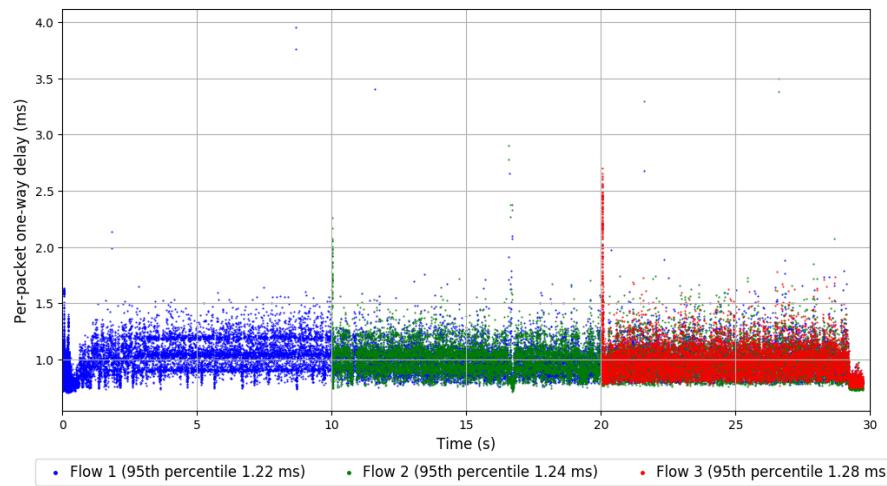
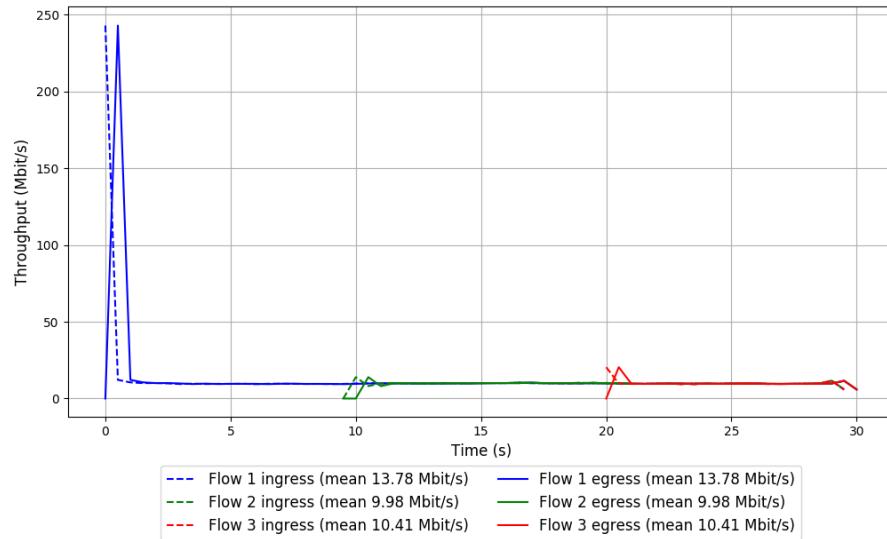


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 08:54:57
End at: 2019-12-11 08:55:27
Local clock offset: 3.126 ms
Remote clock offset: -3.442 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.00%
```

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

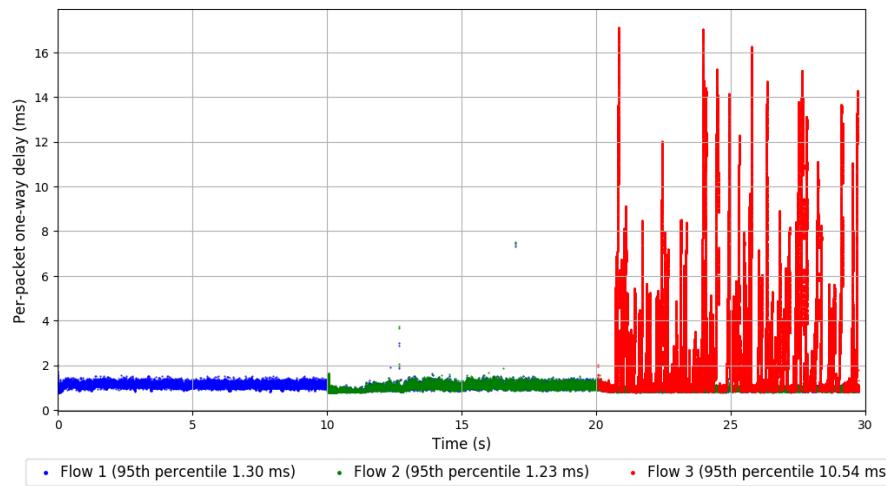
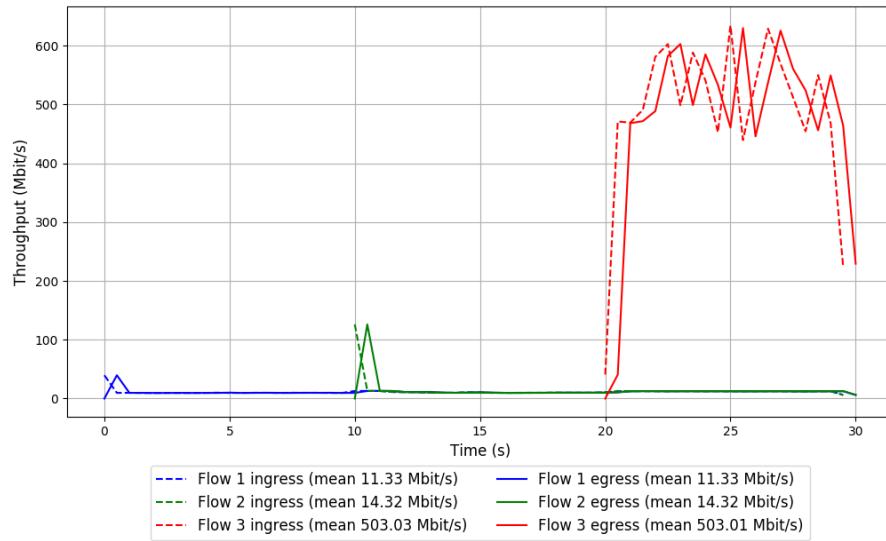


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 07:04:46
End at: 2019-12-11 07:05:16
Local clock offset: 5.862 ms
Remote clock offset: 0.449 ms

# Below is generated by plot.py at 2019-12-11 10:23:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 184.81 Mbit/s
95th percentile per-packet one-way delay: 9.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 503.01 Mbit/s
95th percentile per-packet one-way delay: 10.539 ms
Loss rate: 0.00%
```

Run 1: Report of Muses\_DecisionTreeH0 — Data Link

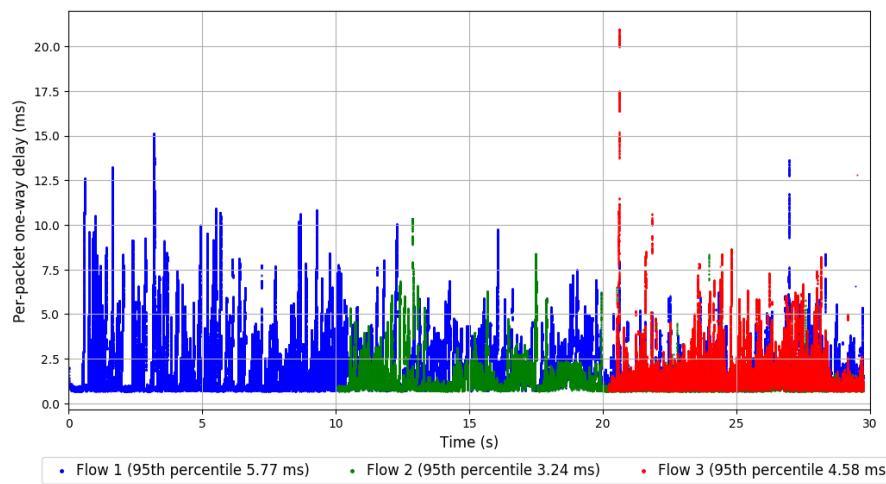
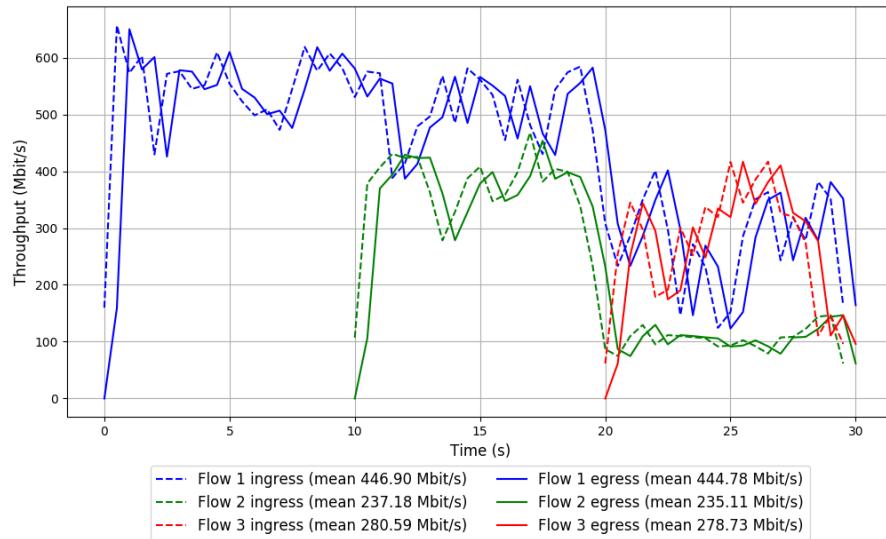


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 07:40:20
End at: 2019-12-11 07:40:50
Local clock offset: 3.946 ms
Remote clock offset: -3.597 ms

# Below is generated by plot.py at 2019-12-11 10:26:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 690.31 Mbit/s
95th percentile per-packet one-way delay: 5.252 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 444.78 Mbit/s
95th percentile per-packet one-way delay: 5.768 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 235.11 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 278.73 Mbit/s
95th percentile per-packet one-way delay: 4.585 ms
Loss rate: 0.66%
```

Run 2: Report of Muses\_DecisionTreeH0 — Data Link

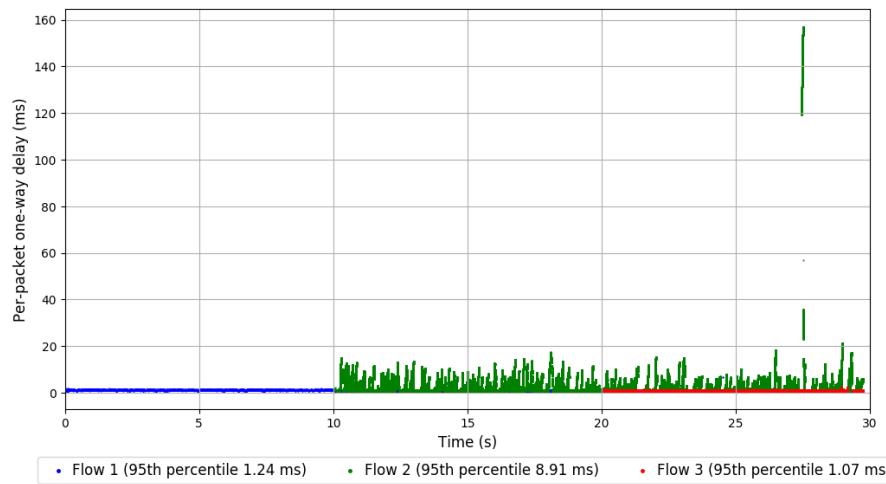
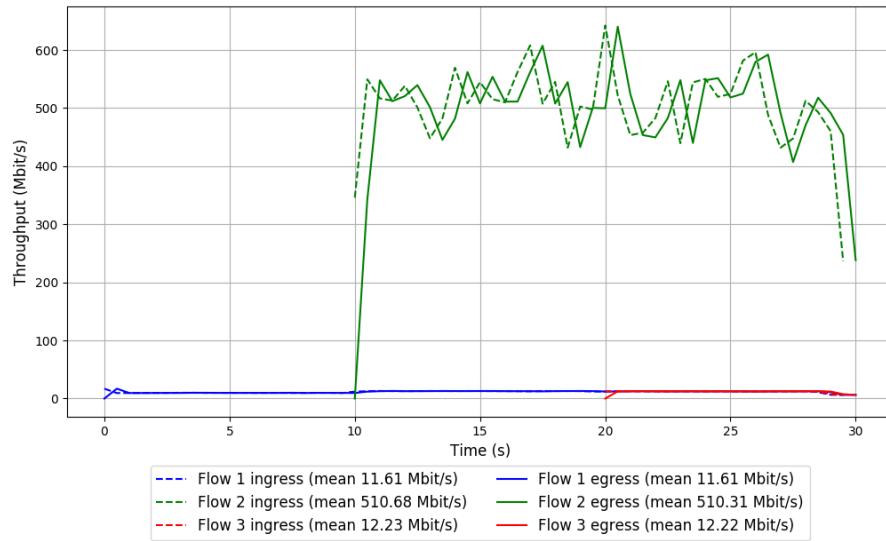


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 08:15:33
End at: 2019-12-11 08:16:03
Local clock offset: 3.378 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2019-12-11 10:26:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.74 Mbit/s
95th percentile per-packet one-way delay: 8.771 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 510.31 Mbit/s
95th percentile per-packet one-way delay: 8.908 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.02%
```

Run 3: Report of Muses\_DecisionTreeH0 — Data Link

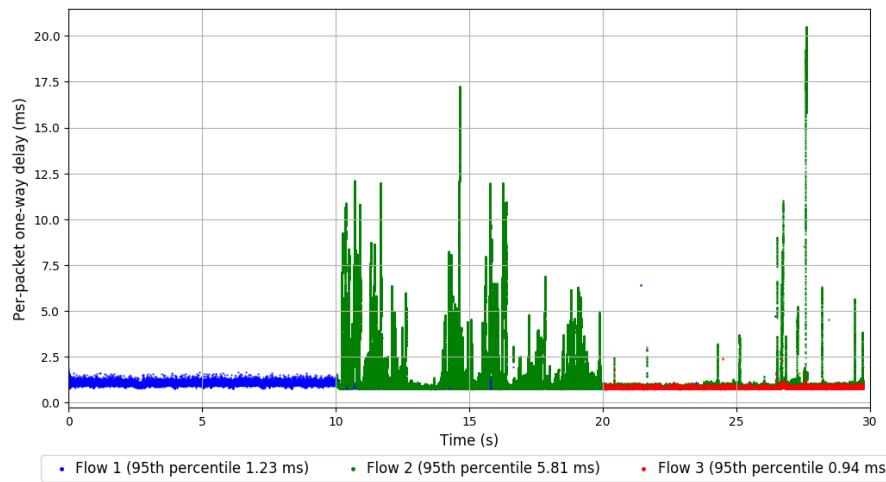
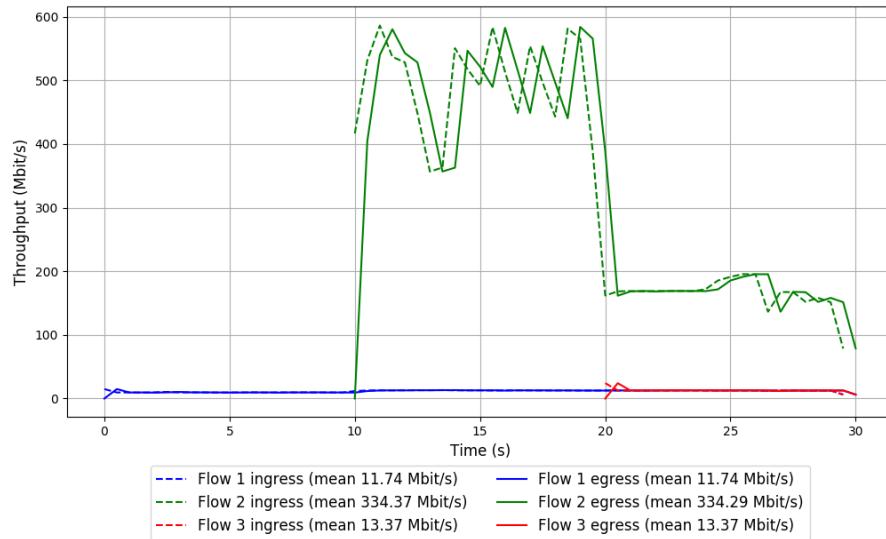


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 08:50:36
End at: 2019-12-11 08:51:06
Local clock offset: 3.186 ms
Remote clock offset: -3.202 ms

# Below is generated by plot.py at 2019-12-11 10:26:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.85 Mbit/s
95th percentile per-packet one-way delay: 5.630 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 334.29 Mbit/s
95th percentile per-packet one-way delay: 5.814 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.00%
```

Run 4: Report of Muses\_DecisionTreeH0 — Data Link

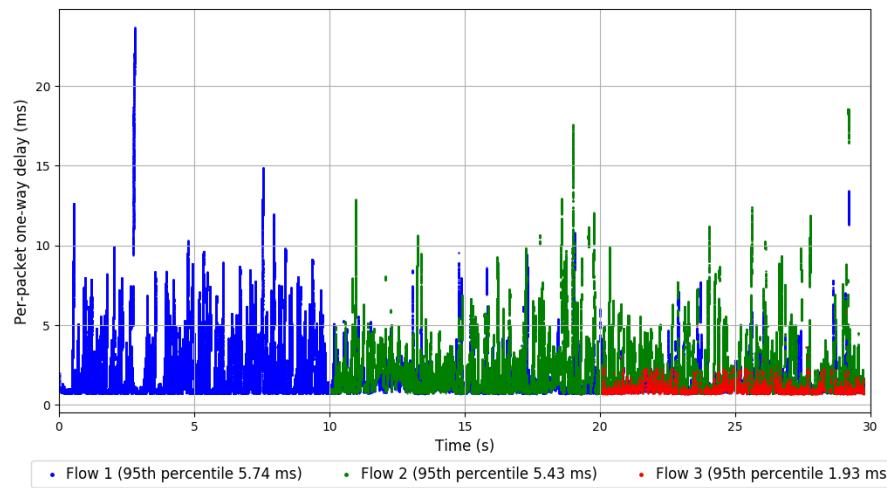
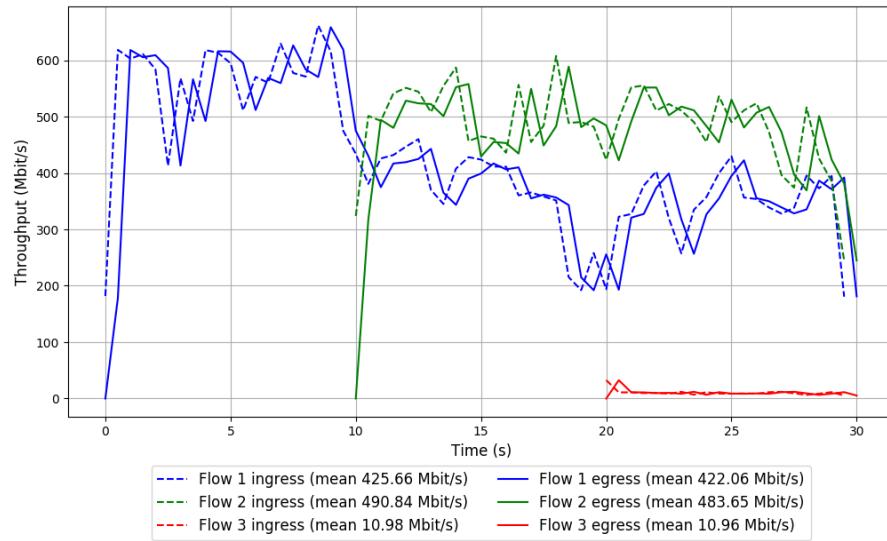


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 09:25:37
End at: 2019-12-11 09:26:07
Local clock offset: 2.868 ms
Remote clock offset: 0.469 ms

# Below is generated by plot.py at 2019-12-11 10:29:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 746.49 Mbit/s
95th percentile per-packet one-way delay: 5.603 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 422.06 Mbit/s
95th percentile per-packet one-way delay: 5.743 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 483.65 Mbit/s
95th percentile per-packet one-way delay: 5.432 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 1.932 ms
Loss rate: 0.19%
```

Run 5: Report of Muses\_DecisionTreeH0 — Data Link

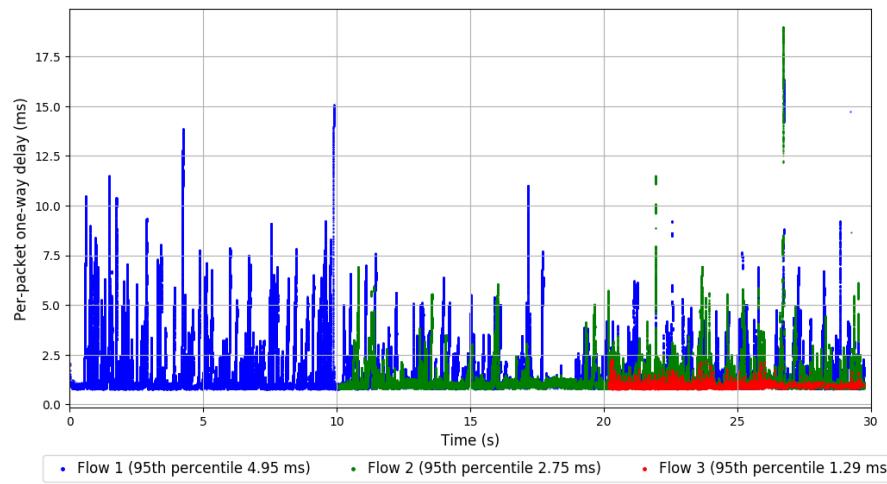
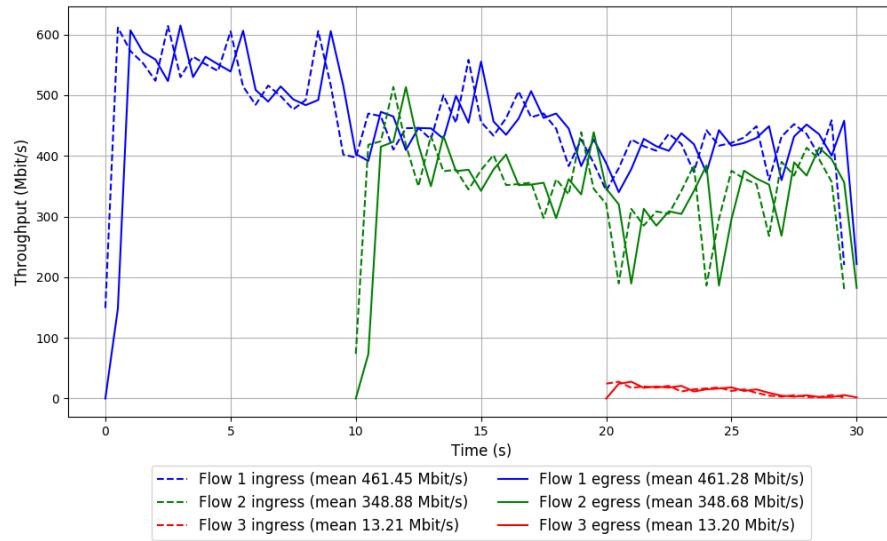


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 07:00:20
End at: 2019-12-11 07:00:50
Local clock offset: 5.656 ms
Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2019-12-11 10:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.36 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 461.28 Mbit/s
95th percentile per-packet one-way delay: 4.948 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 348.68 Mbit/s
95th percentile per-packet one-way delay: 2.753 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.08%
```

Run 1: Report of Muses\_DecisionTreeR0 — Data Link

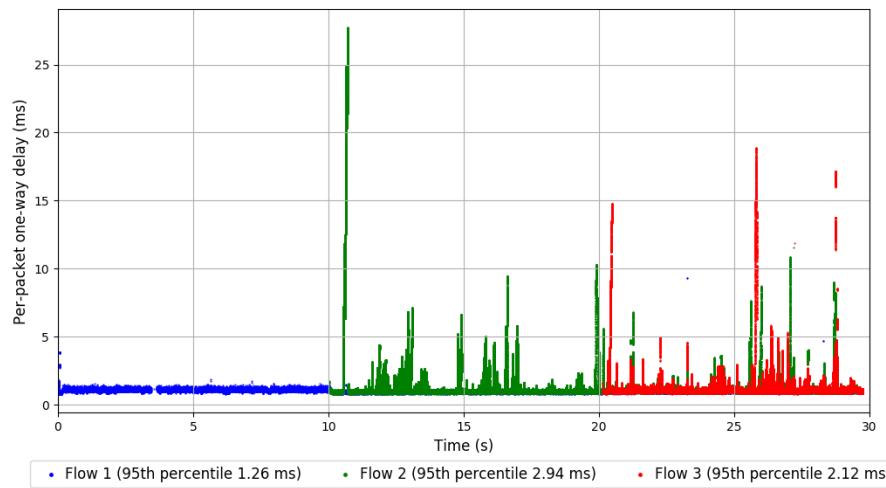
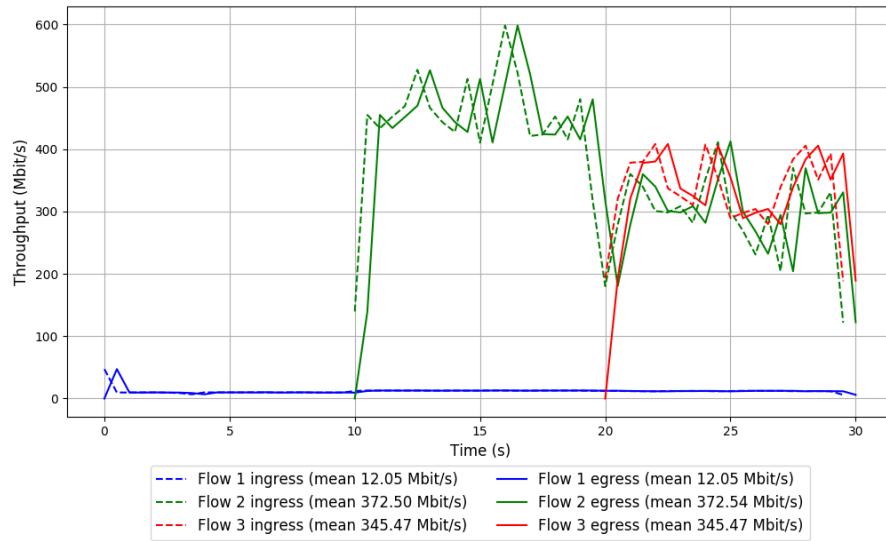


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 07:36:00
End at: 2019-12-11 07:36:30
Local clock offset: 4.036 ms
Remote clock offset: -3.143 ms

# Below is generated by plot.py at 2019-12-11 10:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.02 Mbit/s
95th percentile per-packet one-way delay: 2.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 372.54 Mbit/s
95th percentile per-packet one-way delay: 2.939 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 345.47 Mbit/s
95th percentile per-packet one-way delay: 2.124 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTreeR0 — Data Link

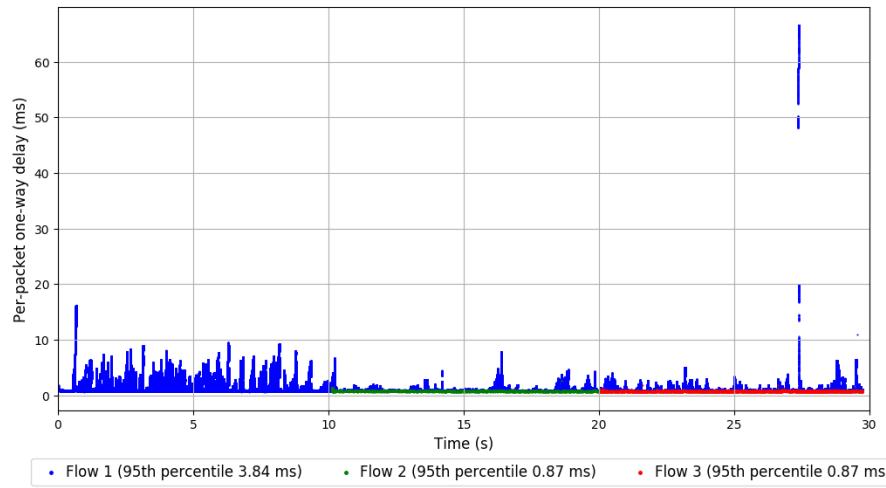
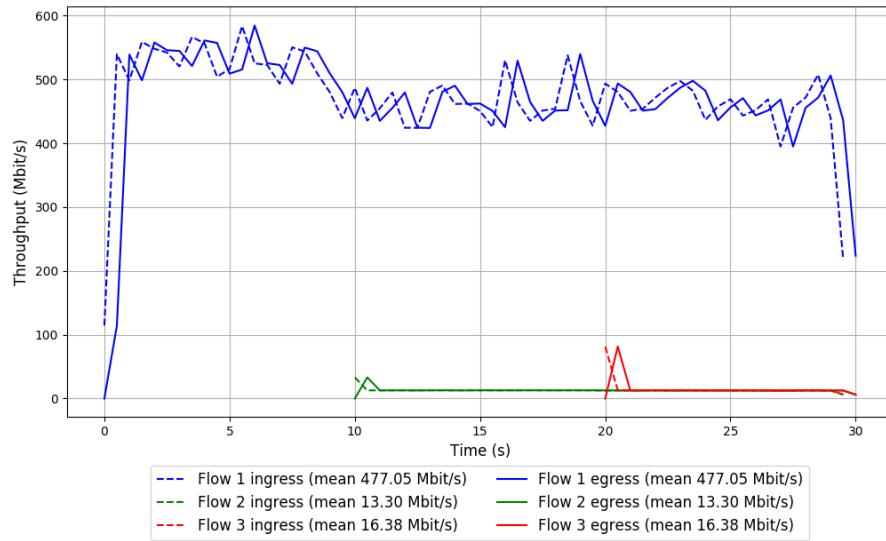


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 08:11:12
End at: 2019-12-11 08:11:42
Local clock offset: 3.318 ms
Remote clock offset: -0.449 ms

# Below is generated by plot.py at 2019-12-11 10:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.17 Mbit/s
95th percentile per-packet one-way delay: 3.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 477.05 Mbit/s
95th percentile per-packet one-way delay: 3.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 0.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 0.867 ms
Loss rate: 0.00%
```

Run 3: Report of Muses\_DecisionTreeR0 — Data Link

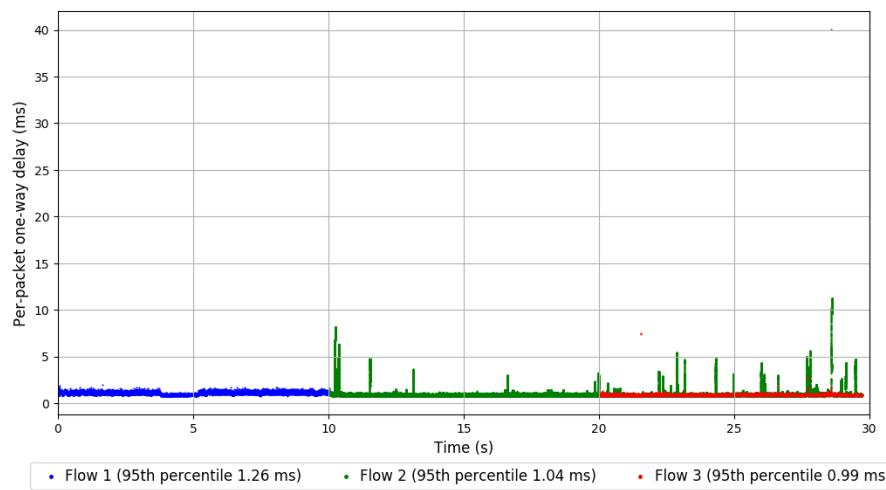
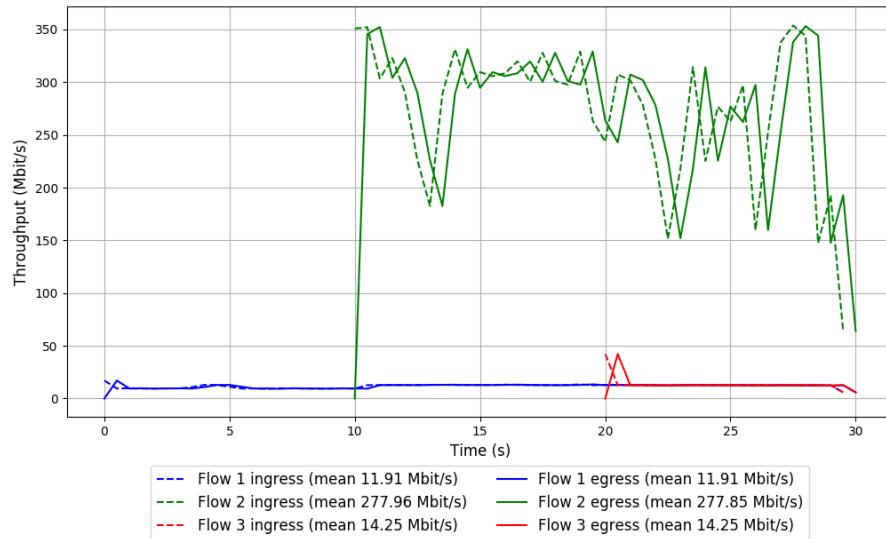


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 08:46:22
End at: 2019-12-11 08:46:52
Local clock offset: 3.201 ms
Remote clock offset: -2.958 ms

# Below is generated by plot.py at 2019-12-11 10:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.80 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 277.85 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
```

Run 4: Report of Muses\_DecisionTreeR0 — Data Link

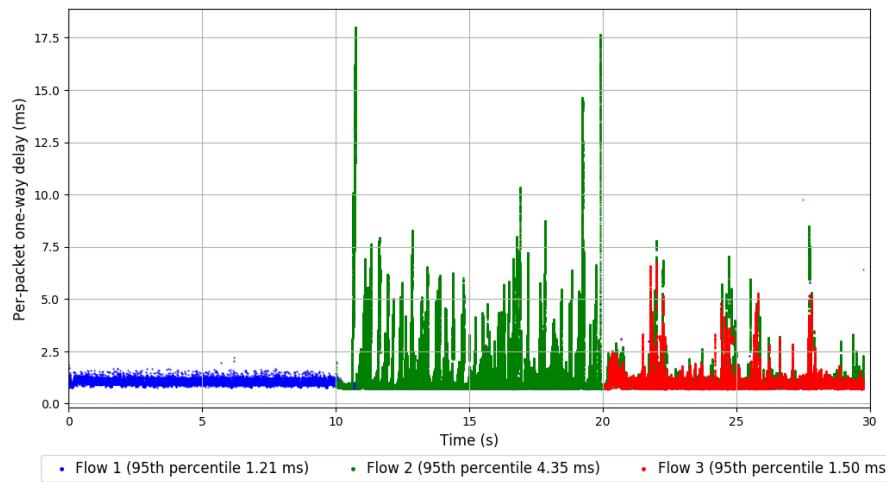
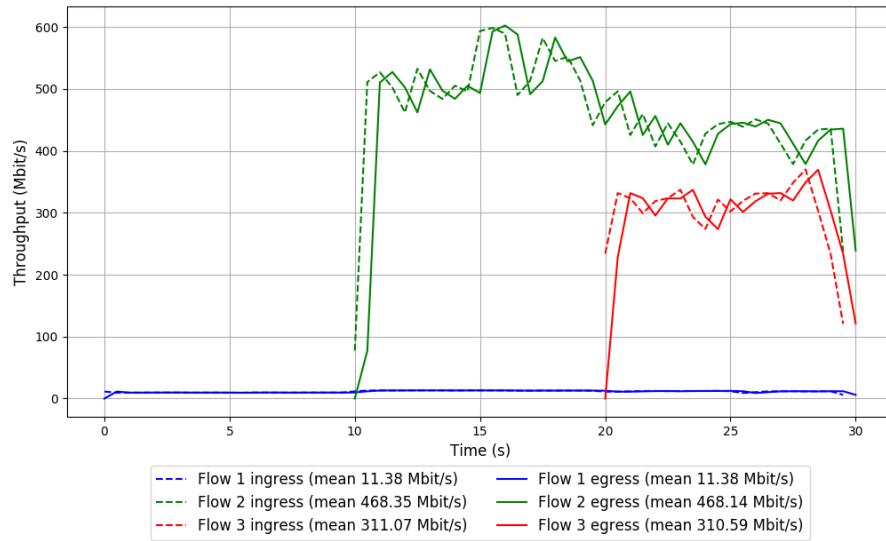


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 09:21:11
End at: 2019-12-11 09:21:41
Local clock offset: 2.9 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2019-12-11 10:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.26 Mbit/s
95th percentile per-packet one-way delay: 3.829 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 468.14 Mbit/s
95th percentile per-packet one-way delay: 4.354 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 310.59 Mbit/s
95th percentile per-packet one-way delay: 1.496 ms
Loss rate: 0.10%
```

Run 5: Report of Muses\_DecisionTreeR0 — Data Link

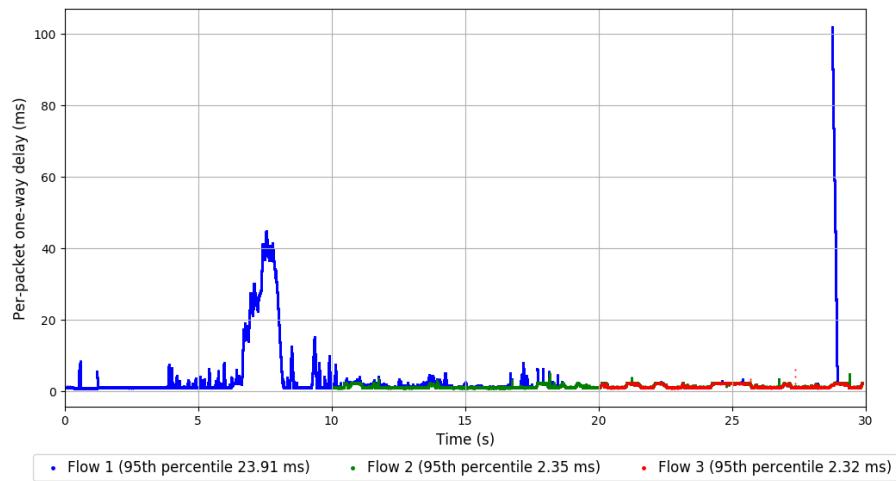
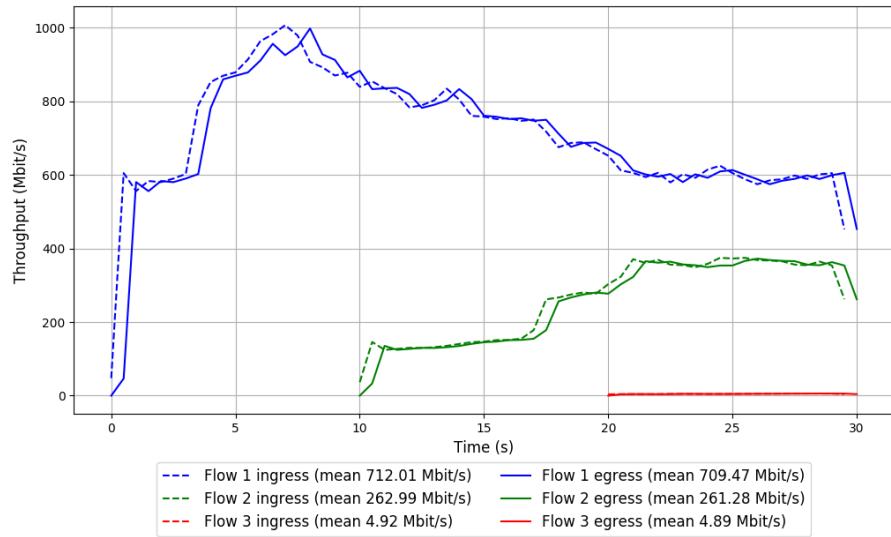


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-12-11 06:49:40
End at: 2019-12-11 06:50:10
Local clock offset: 4.908 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-12-11 10:33:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.83 Mbit/s
95th percentile per-packet one-way delay: 17.125 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 709.47 Mbit/s
95th percentile per-packet one-way delay: 23.907 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 261.28 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.56%
```

Run 1: Report of PCC-Allegro — Data Link

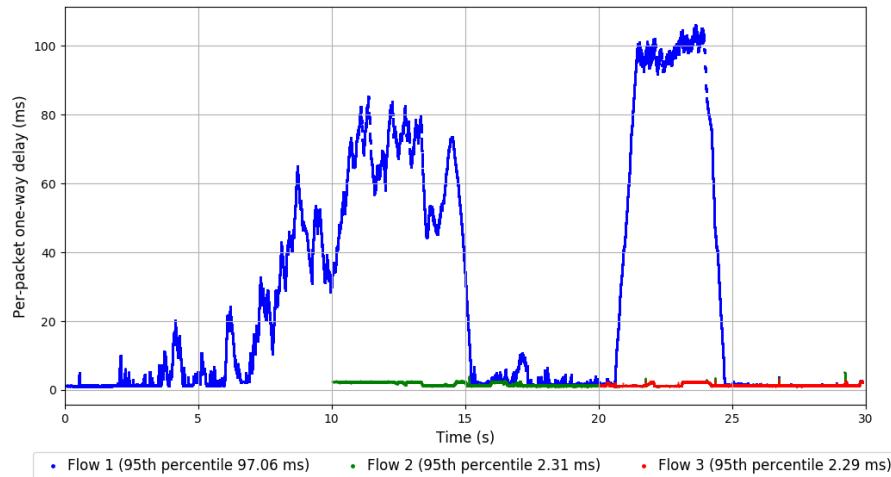
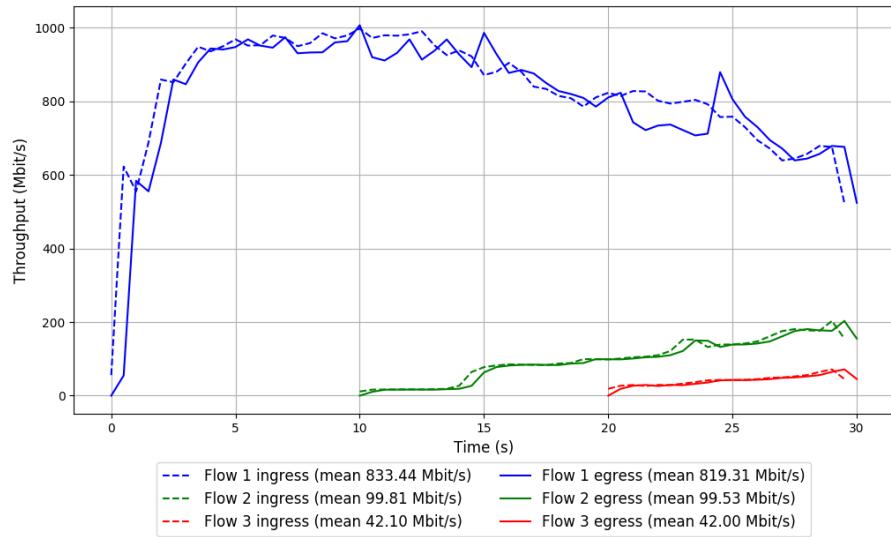


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-12-11 07:25:12
End at: 2019-12-11 07:25:42
Local clock offset: 4.244 ms
Remote clock offset: -1.37 ms

# Below is generated by plot.py at 2019-12-11 10:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 899.34 Mbit/s
95th percentile per-packet one-way delay: 96.522 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 819.31 Mbit/s
95th percentile per-packet one-way delay: 97.060 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 99.53 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.22%
```

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

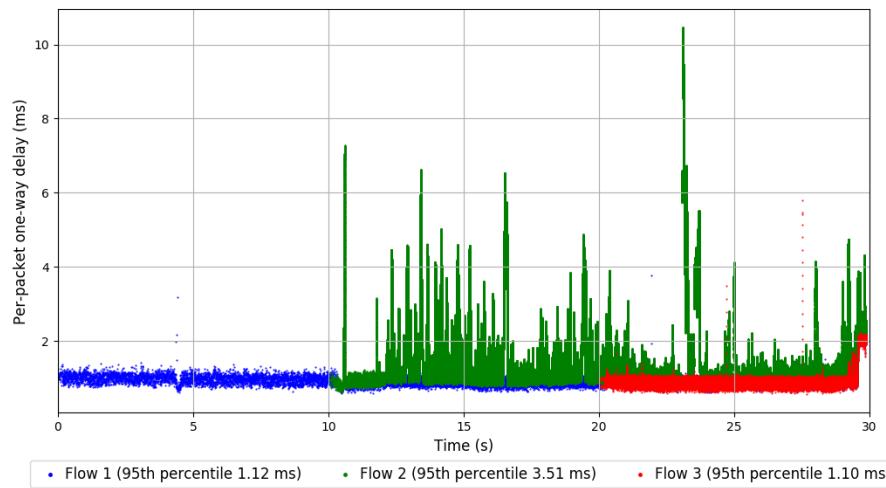
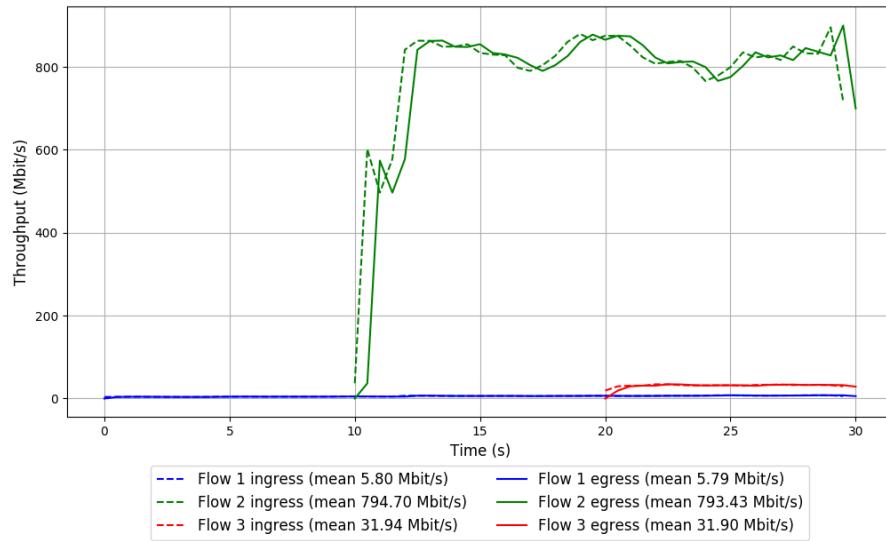


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-12-11 08:00:33
End at: 2019-12-11 08:01:03
Local clock offset: 3.361 ms
Remote clock offset: -1.862 ms

# Below is generated by plot.py at 2019-12-11 10:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 543.94 Mbit/s
95th percentile per-packet one-way delay: 3.469 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 793.43 Mbit/s
95th percentile per-packet one-way delay: 3.511 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.13%
```

Run 3: Report of PCC-Allegro — Data Link

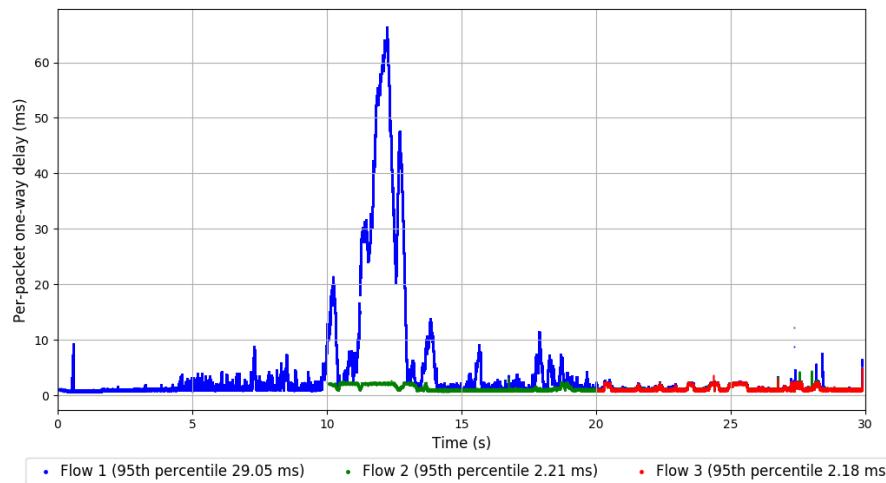
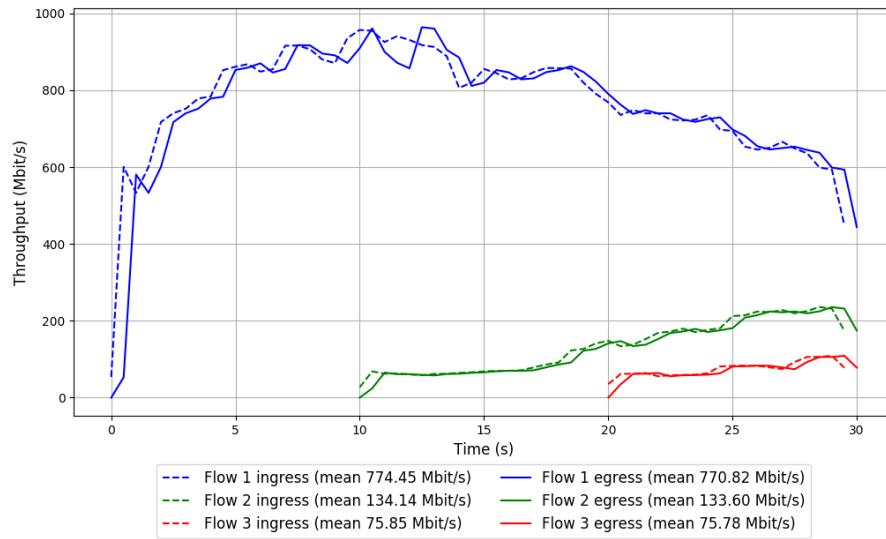


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-12-11 08:35:29
End at: 2019-12-11 08:35:59
Local clock offset: 3.399 ms
Remote clock offset: -1.962 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.60 Mbit/s
95th percentile per-packet one-way delay: 26.322 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 770.82 Mbit/s
95th percentile per-packet one-way delay: 29.055 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 133.60 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 2.183 ms
Loss rate: 0.13%
```

Run 4: Report of PCC-Allegro — Data Link

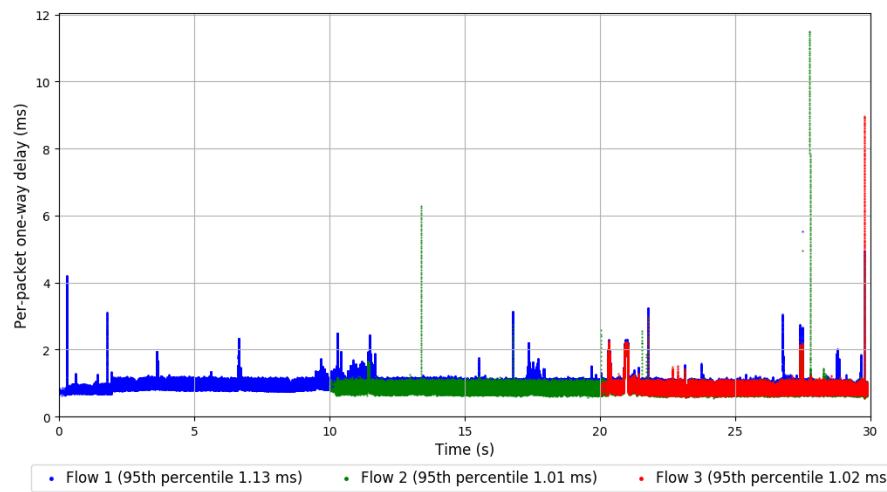
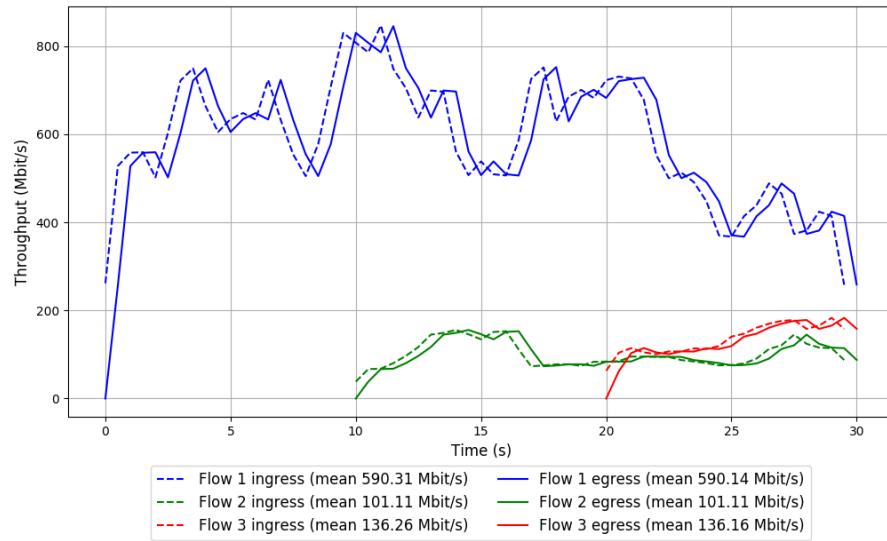


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-12-11 09:10:26
End at: 2019-12-11 09:10:56
Local clock offset: 2.966 ms
Remote clock offset: -1.078 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 702.26 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 590.14 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 101.11 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.16 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.07%
```

Run 5: Report of PCC-Allegro — Data Link

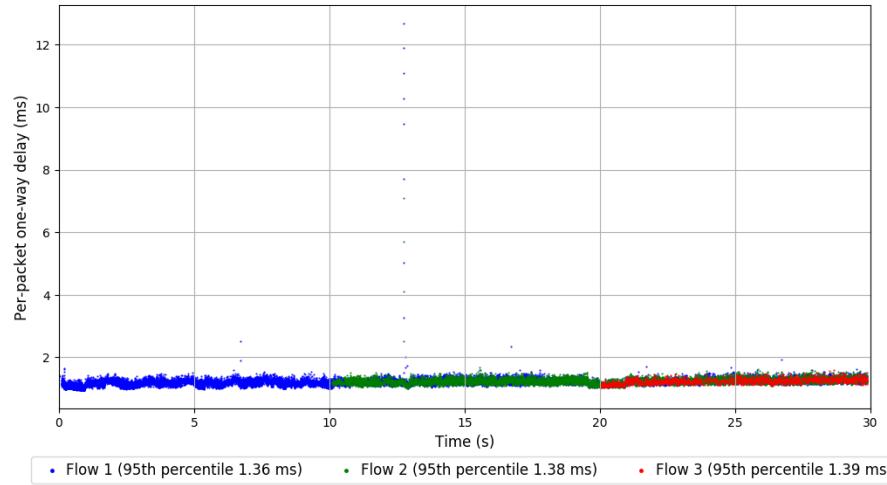
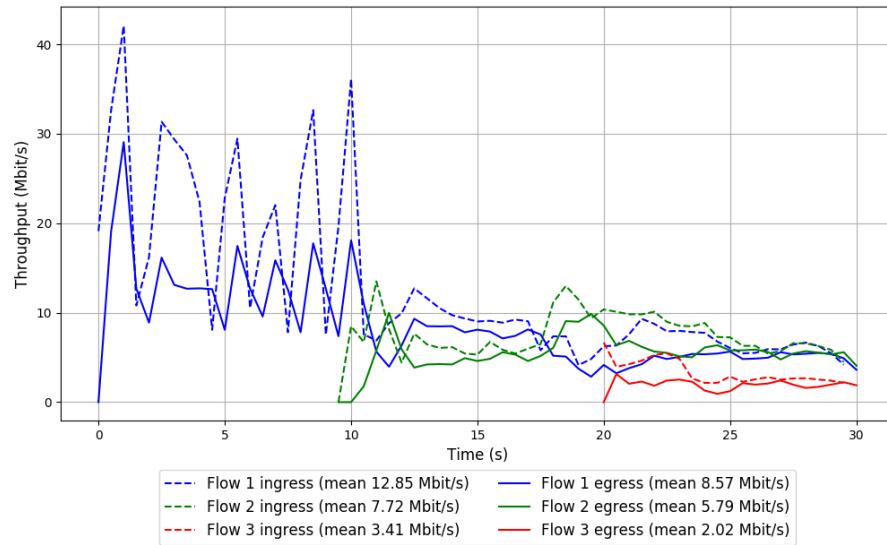


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-12-11 06:40:37
End at: 2019-12-11 06:41:07
Local clock offset: 3.441 ms
Remote clock offset: -0.326 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 1.369 ms
Loss rate: 31.48%
-- Flow 1:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 33.27%
-- Flow 2:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 24.98%
-- Flow 3:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 40.77%
```

Run 1: Report of PCC-Expr — Data Link

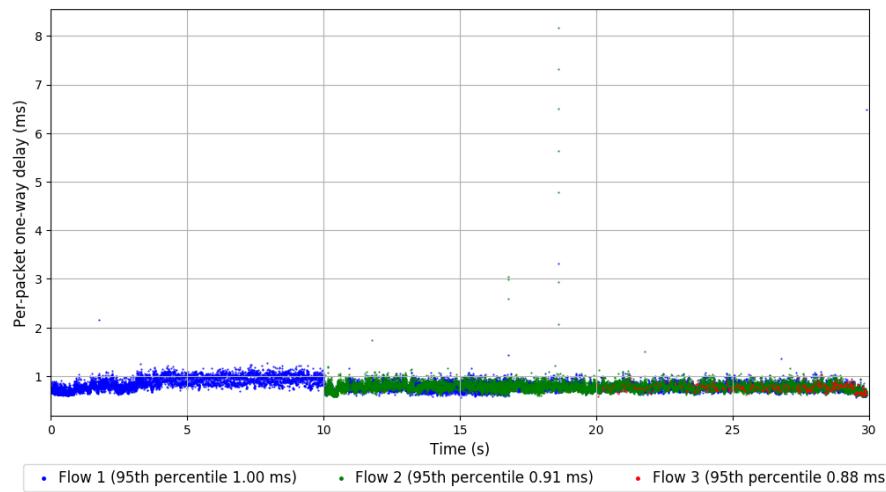
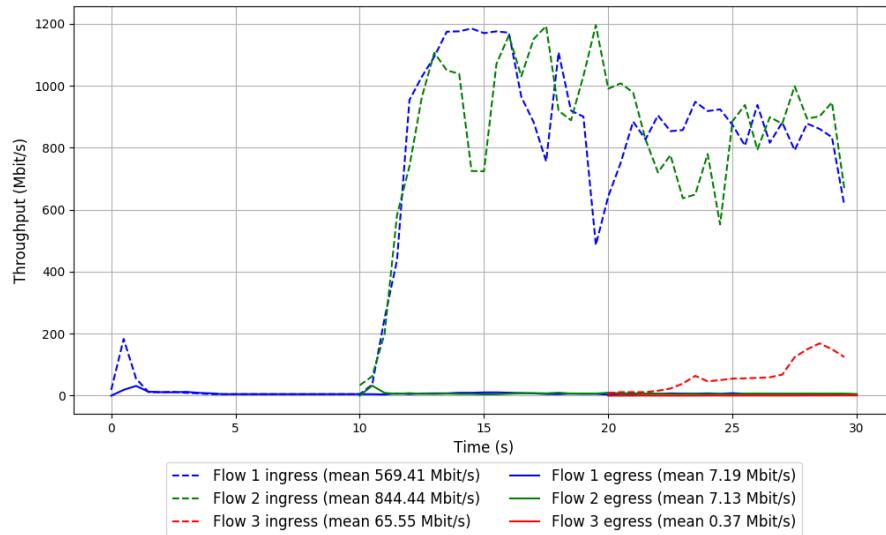


Run 2: Statistics of PCC-Expr

```
Start at: 2019-12-11 07:15:57
End at: 2019-12-11 07:16:27
Local clock offset: 4.86 ms
Remote clock offset: 0.515 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 98.95%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 98.74%
-- Flow 2:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 0.914 ms
Loss rate: 99.16%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 0.882 ms
Loss rate: 99.44%
```

Run 2: Report of PCC-Expr — Data Link

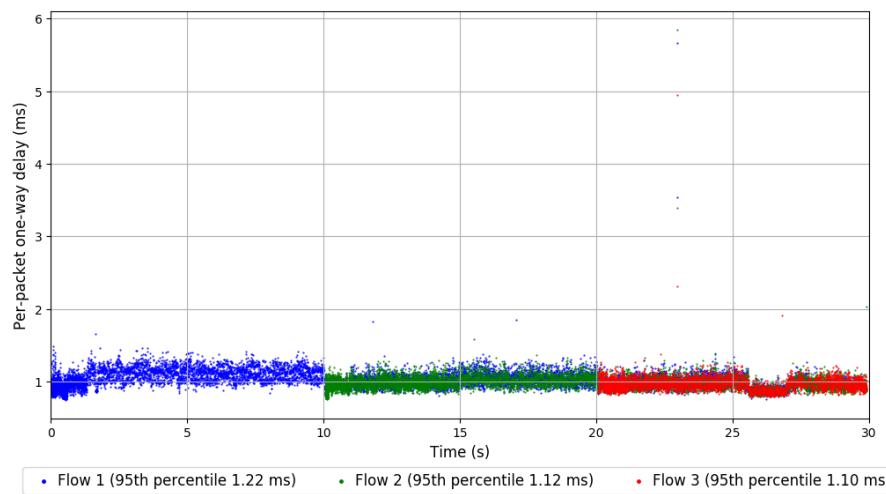
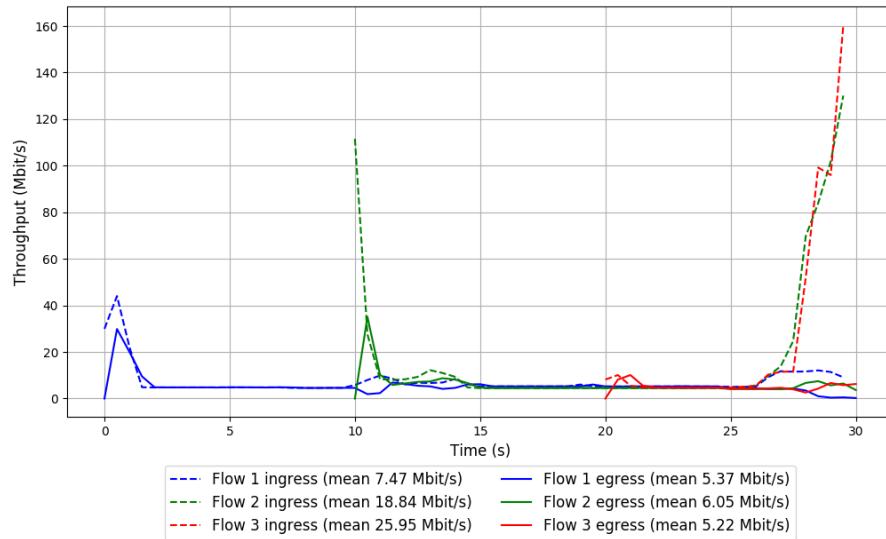


Run 3: Statistics of PCC-Expr

```
Start at: 2019-12-11 07:51:30
End at: 2019-12-11 07:52:00
Local clock offset: 3.514 ms
Remote clock offset: -4.442 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 61.13%
-- Flow 1:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 28.33%
-- Flow 2:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 67.86%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 79.89%
```

### Run 3: Report of PCC-Expr — Data Link

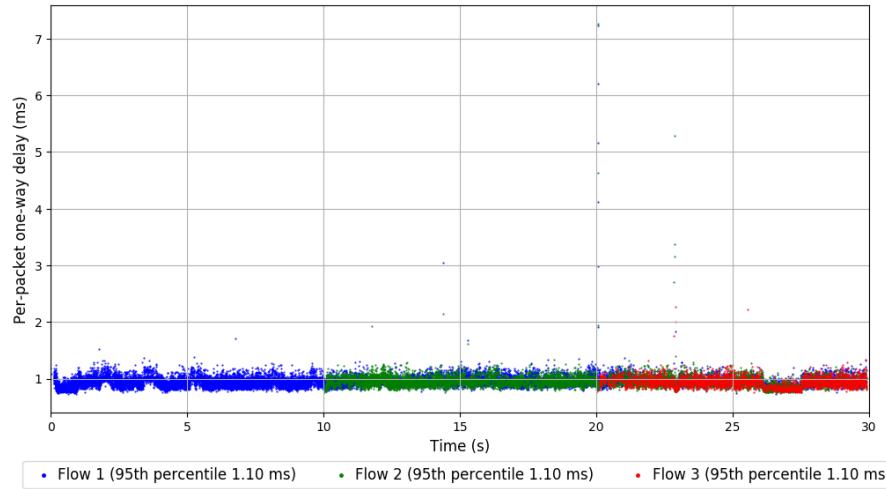
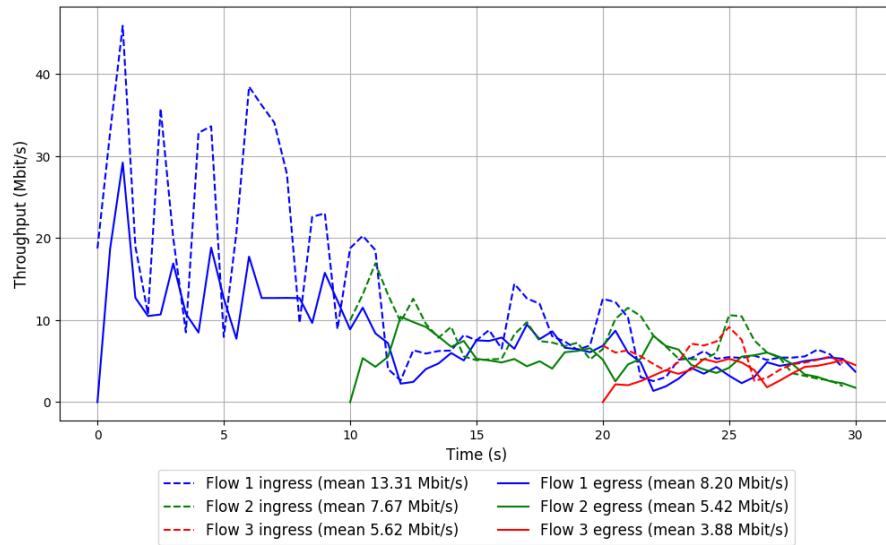


Run 4: Statistics of PCC-Expr

```
Start at: 2019-12-11 08:26:30
End at: 2019-12-11 08:27:00
Local clock offset: 3.41 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 35.42%
-- Flow 1:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 38.38%
-- Flow 2:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 29.35%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 30.91%
```

Run 4: Report of PCC-Expr — Data Link

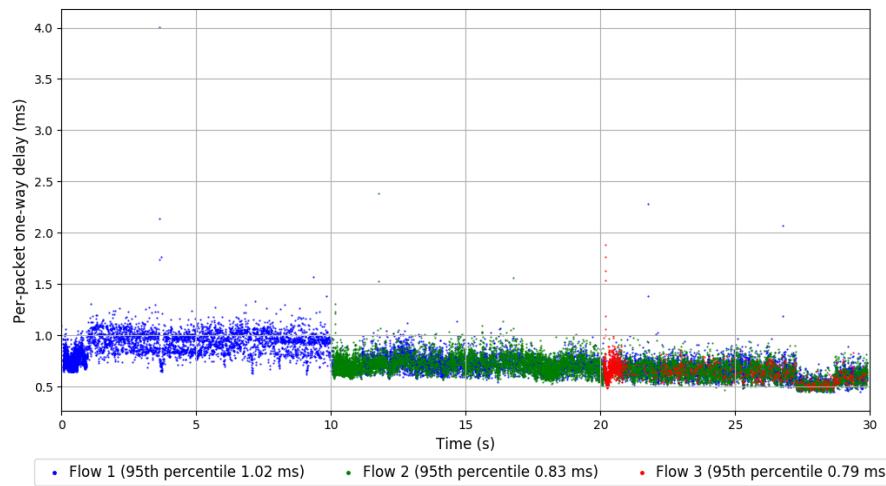
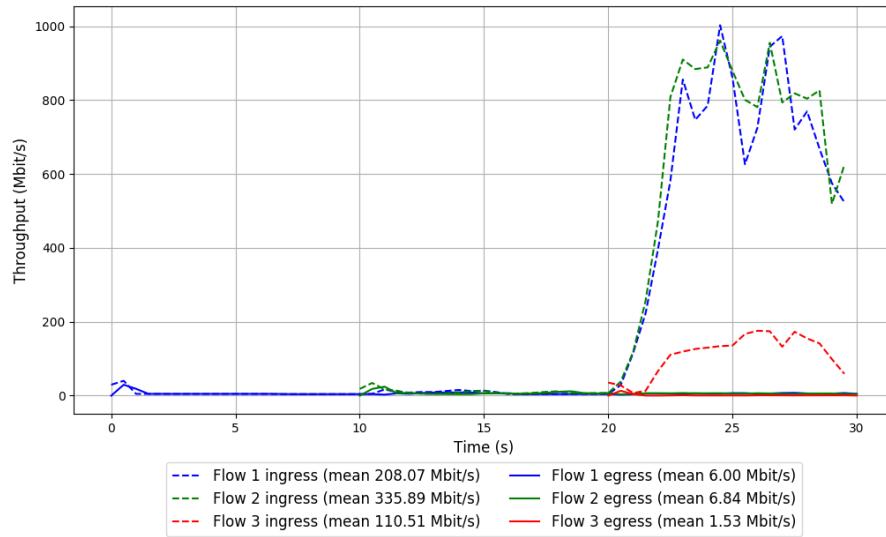


Run 5: Statistics of PCC-Expr

```
Start at: 2019-12-11 09:01:29
End at: 2019-12-11 09:01:59
Local clock offset: 3.054 ms
Remote clock offset: -3.701 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 97.64%
-- Flow 1:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 97.12%
-- Flow 2:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 0.835 ms
Loss rate: 97.96%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 0.791 ms
Loss rate: 98.62%
```

### Run 5: Report of PCC-Expr — Data Link

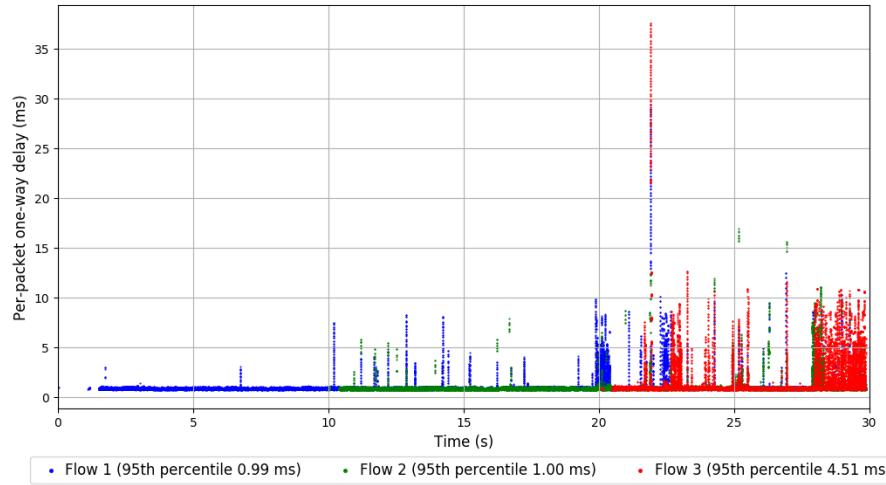
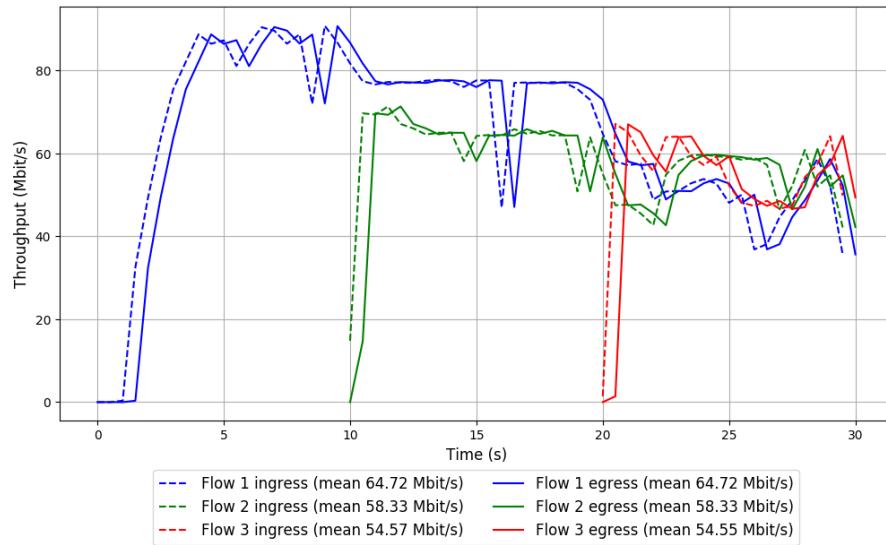


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-12-11 06:31:01
End at: 2019-12-11 06:31:31
Local clock offset: 2.948 ms
Remote clock offset: -0.378 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.40 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 0.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 4.506 ms
Loss rate: 0.04%
```

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

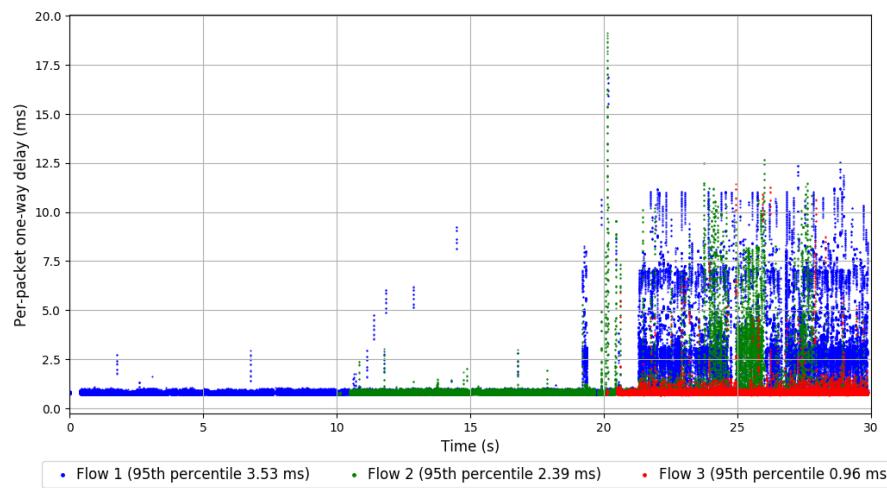
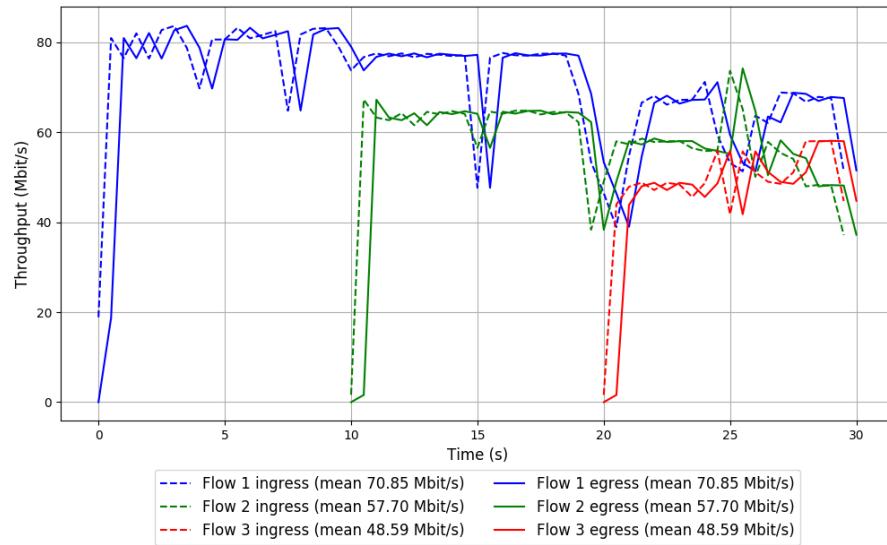


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-12-11 07:06:07
End at: 2019-12-11 07:06:37
Local clock offset: 5.921 ms
Remote clock offset: 0.356 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.08 Mbit/s
95th percentile per-packet one-way delay: 3.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 3.528 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

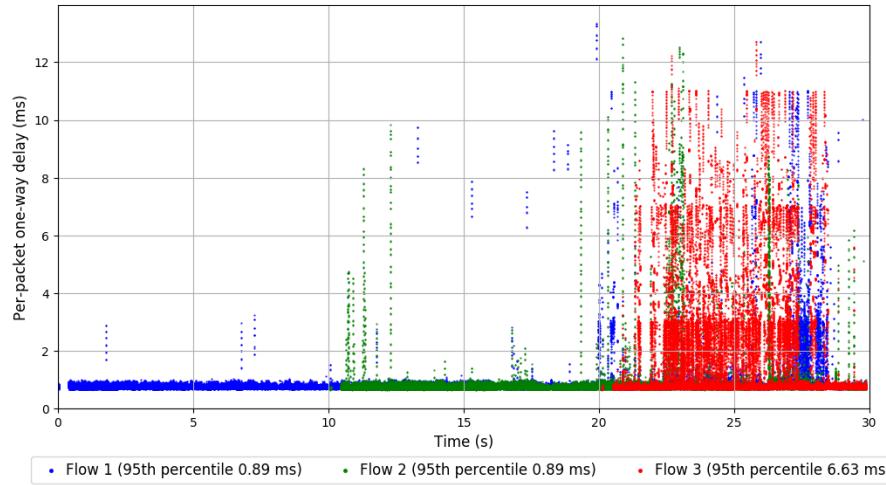
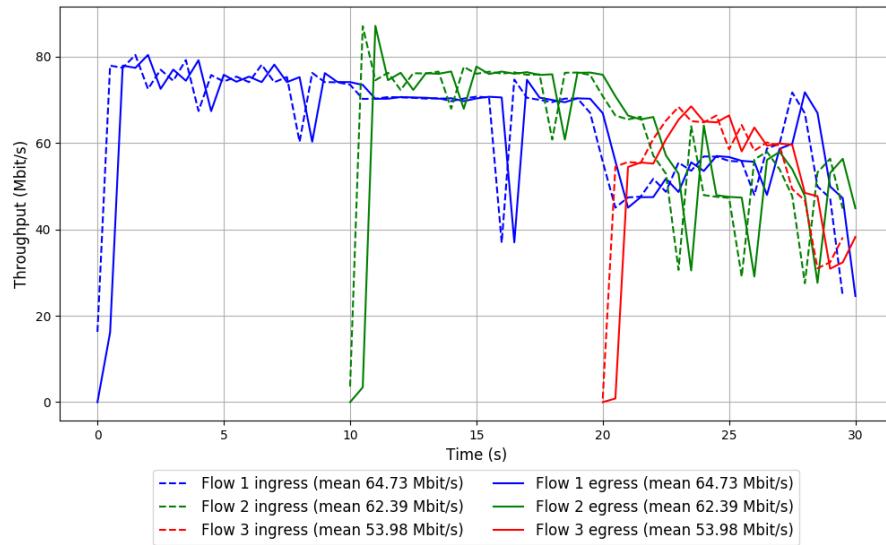


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-12-11 07:41:58
End at: 2019-12-11 07:42:28
Local clock offset: 3.832 ms
Remote clock offset: -3.794 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.82 Mbit/s
95th percentile per-packet one-way delay: 2.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.73 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.39 Mbit/s
95th percentile per-packet one-way delay: 0.893 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.98 Mbit/s
95th percentile per-packet one-way delay: 6.633 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

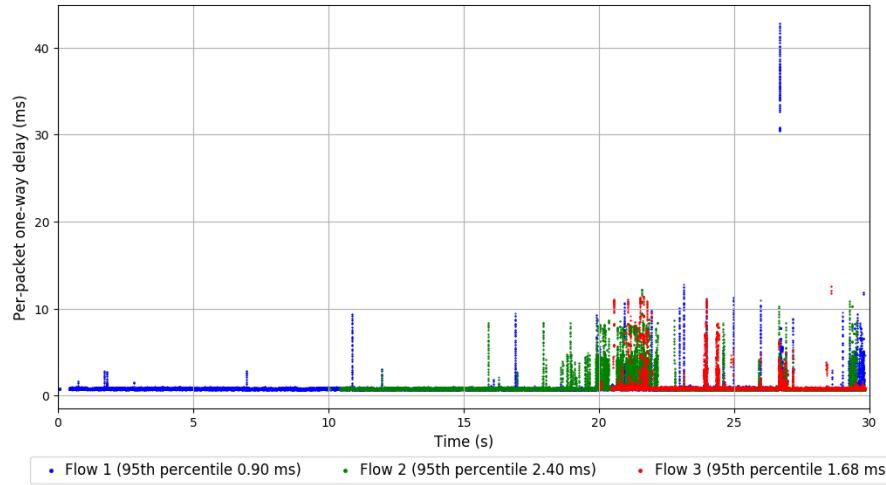
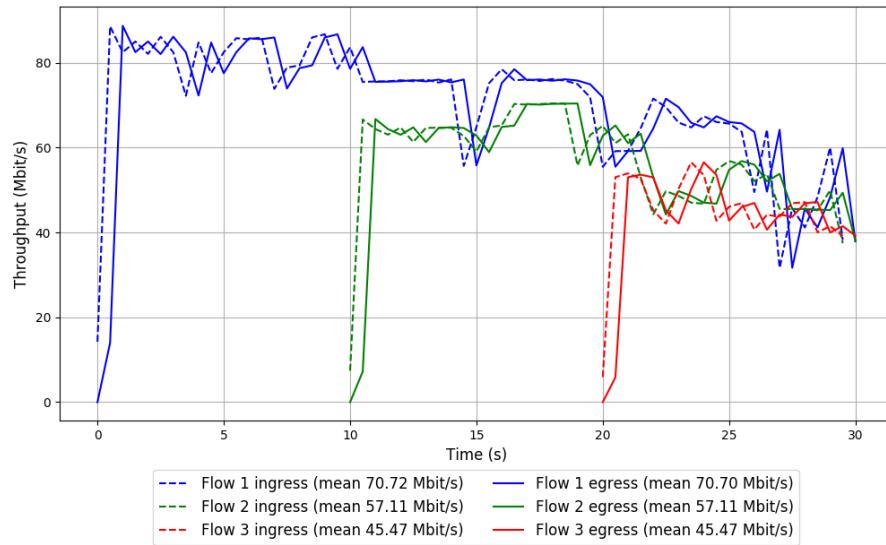


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-12-11 08:16:59
End at: 2019-12-11 08:17:29
Local clock offset: 3.392 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.60 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 0.895 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 1.680 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

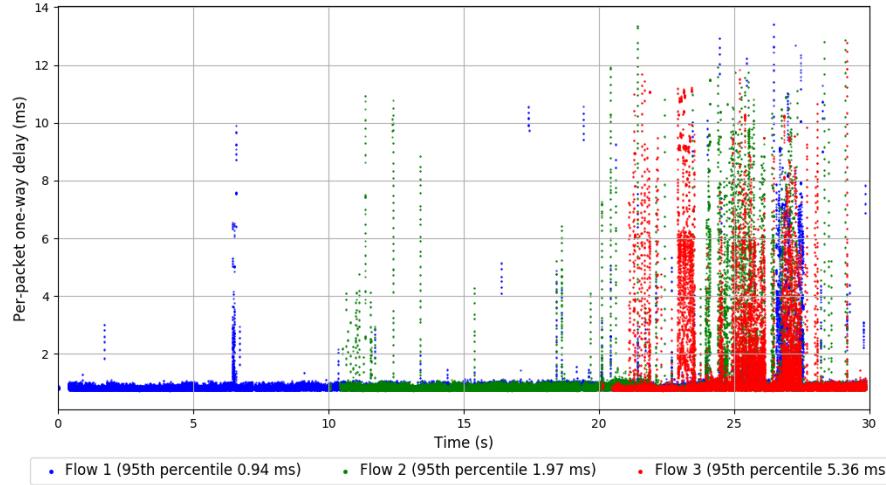
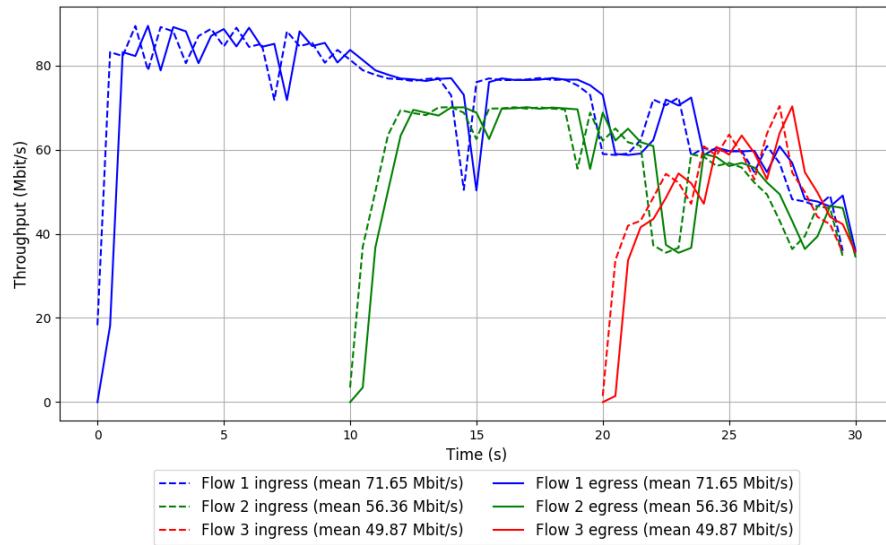


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-12-11 08:51:58
End at: 2019-12-11 08:52:28
Local clock offset: 3.157 ms
Remote clock offset: -3.291 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.47 Mbit/s
95th percentile per-packet one-way delay: 1.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.65 Mbit/s
95th percentile per-packet one-way delay: 0.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 1.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 5.362 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

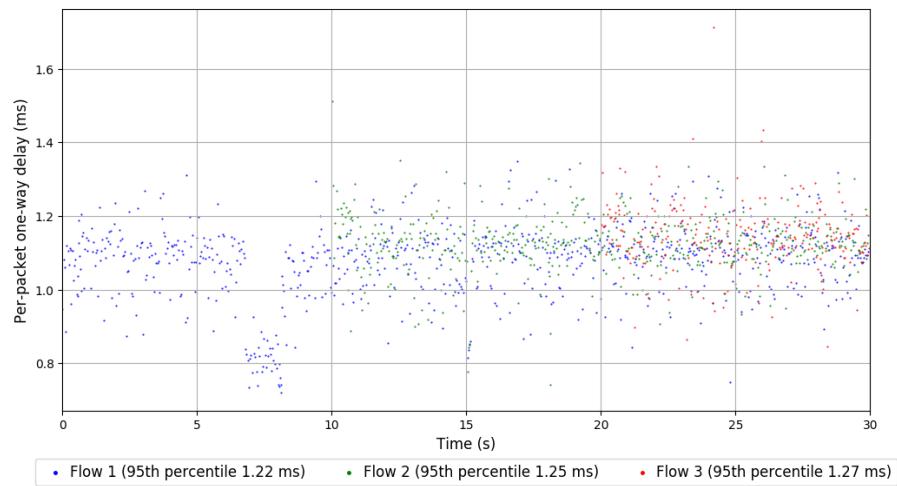
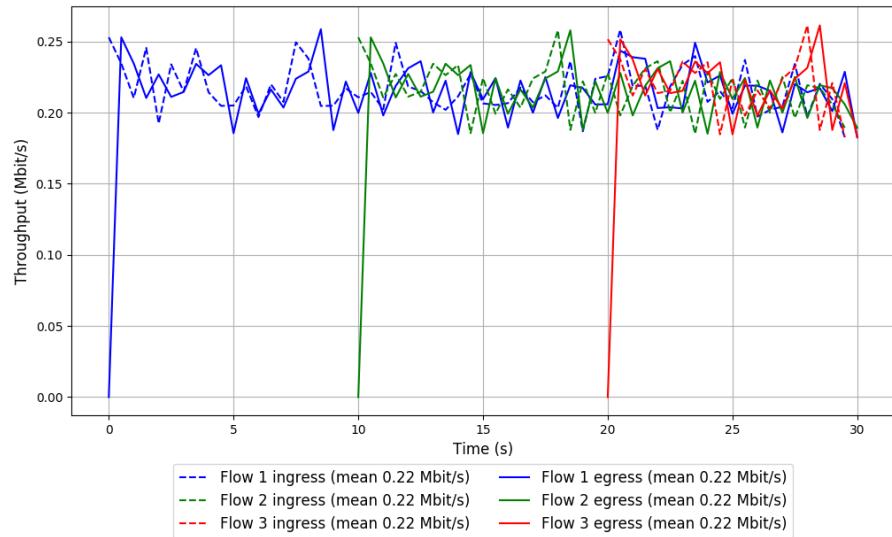


Run 1: Statistics of SCReAM

```
Start at: 2019-12-11 06:35:19
End at: 2019-12-11 06:35:49
Local clock offset: 2.962 ms
Remote clock offset: -0.363 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

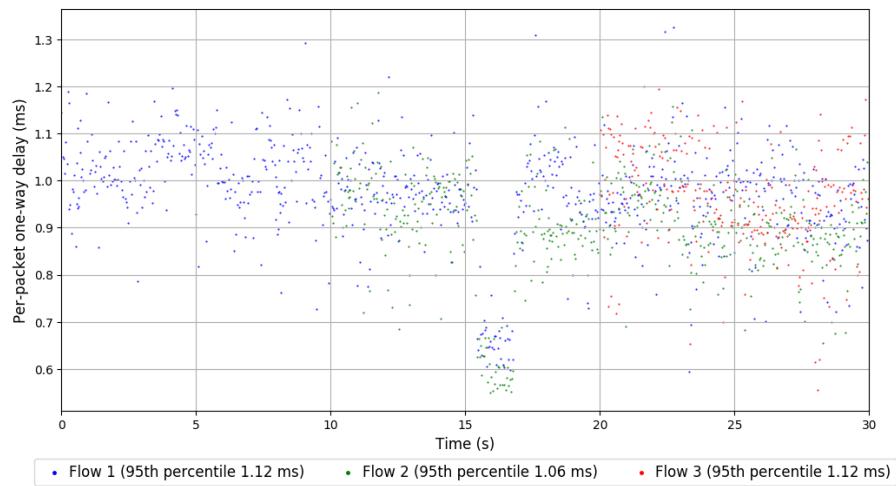
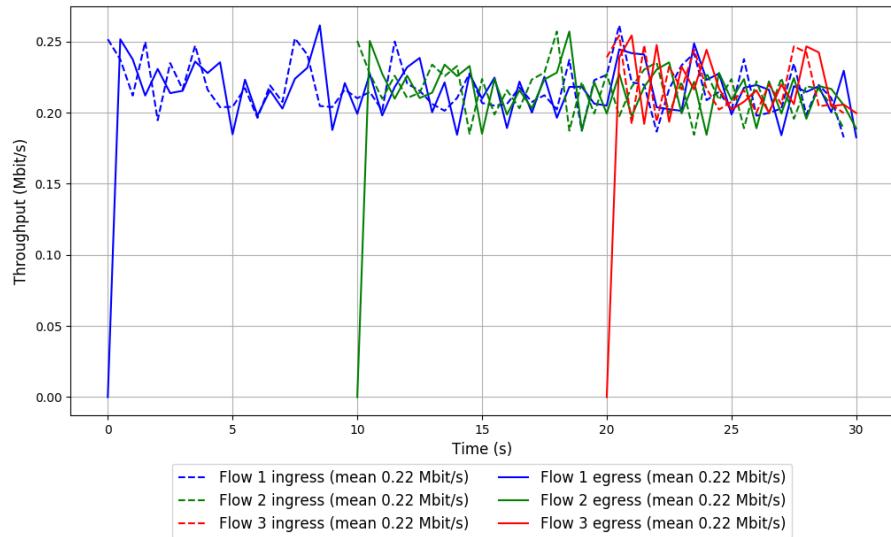


Run 2: Statistics of SCReAM

```
Start at: 2019-12-11 07:10:41
End at: 2019-12-11 07:11:11
Local clock offset: 5.632 ms
Remote clock offset: 0.542 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

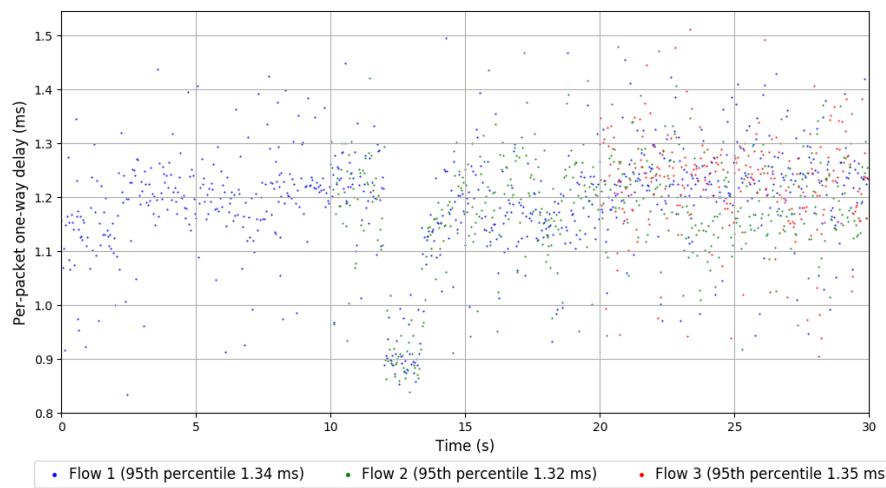
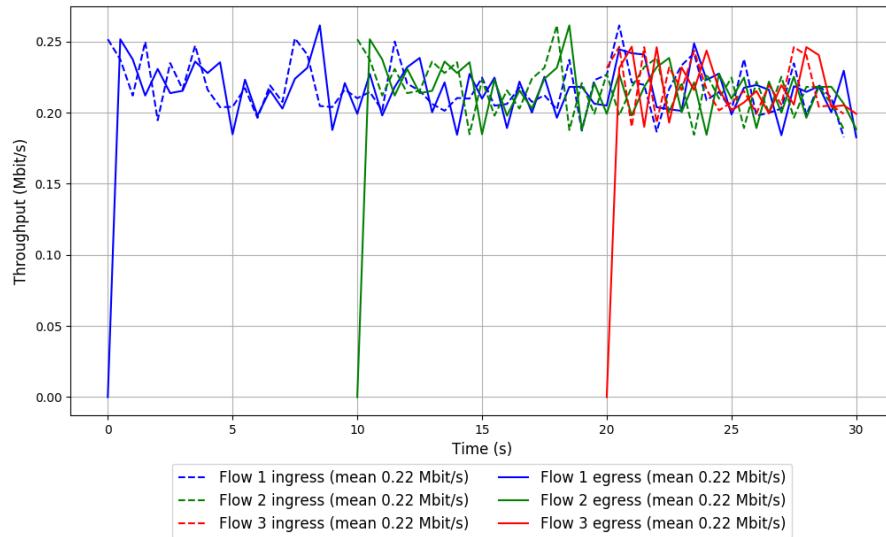


Run 3: Statistics of SCReAM

```
Start at: 2019-12-11 07:46:14
End at: 2019-12-11 07:46:44
Local clock offset: 3.661 ms
Remote clock offset: -3.998 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.348 ms
Loss rate: 0.00%
```

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

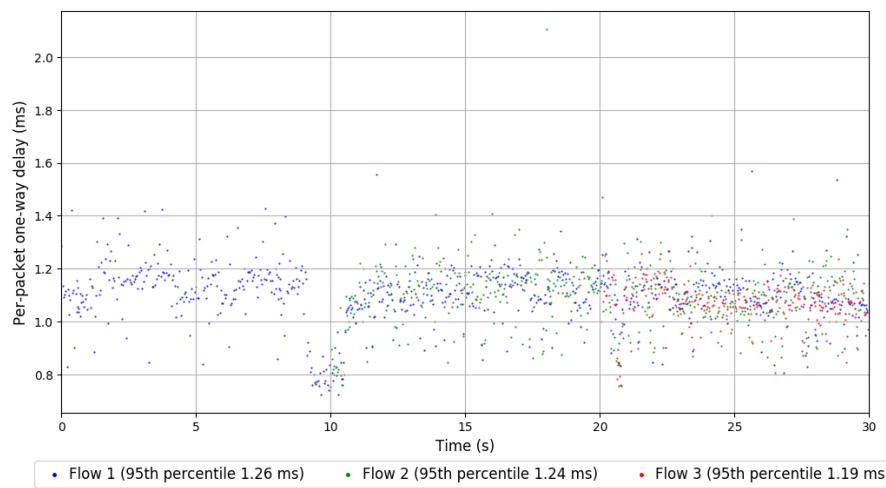
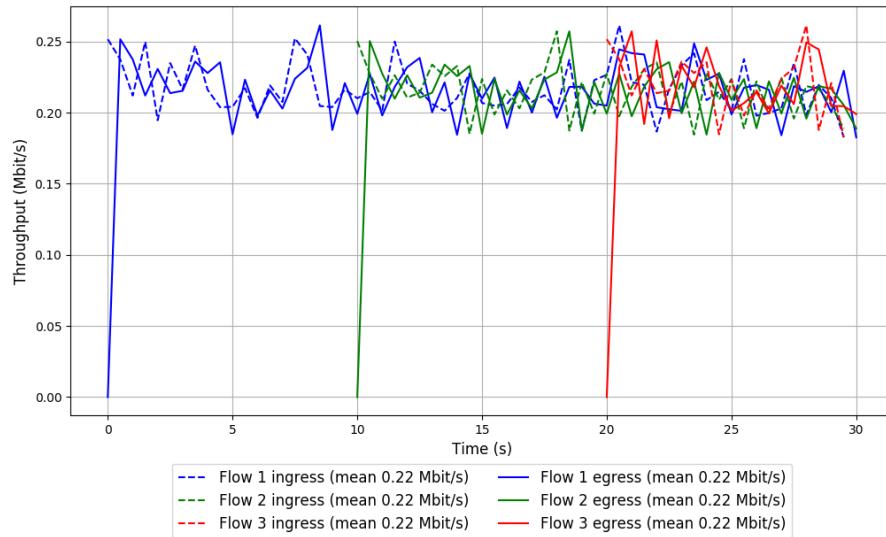


Run 4: Statistics of SCReAM

```
Start at: 2019-12-11 08:21:17
End at: 2019-12-11 08:21:47
Local clock offset: 3.391 ms
Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

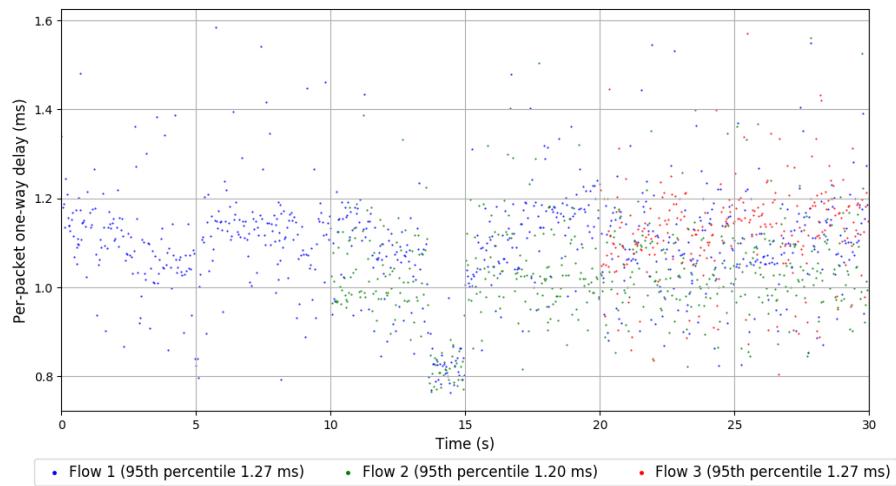
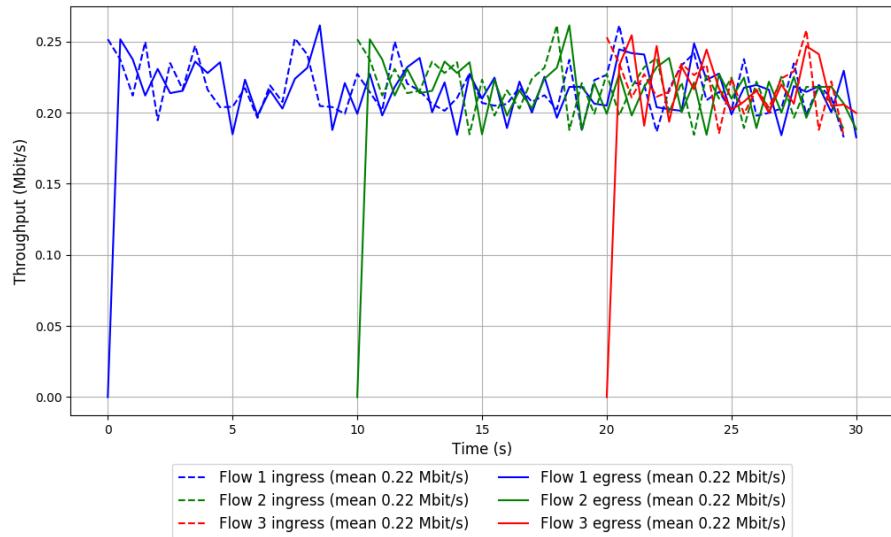


Run 5: Statistics of SCReAM

```
Start at: 2019-12-11 08:56:12
End at: 2019-12-11 08:56:42
Local clock offset: 3.097 ms
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

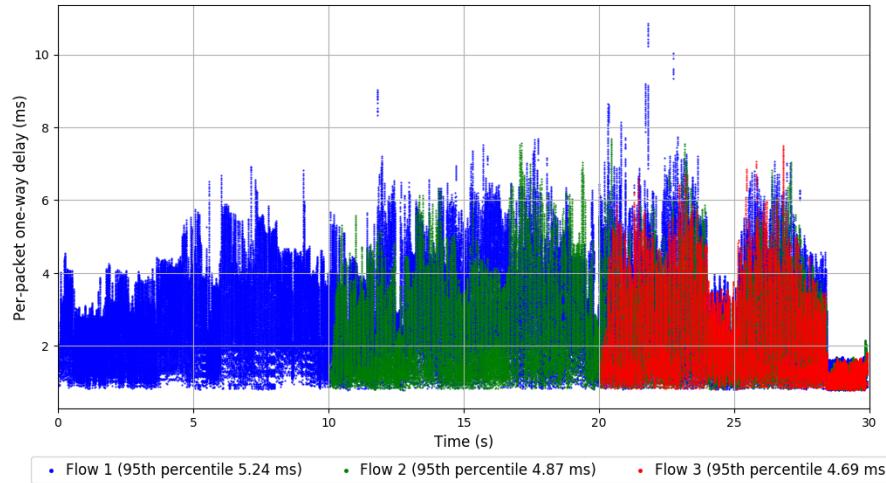
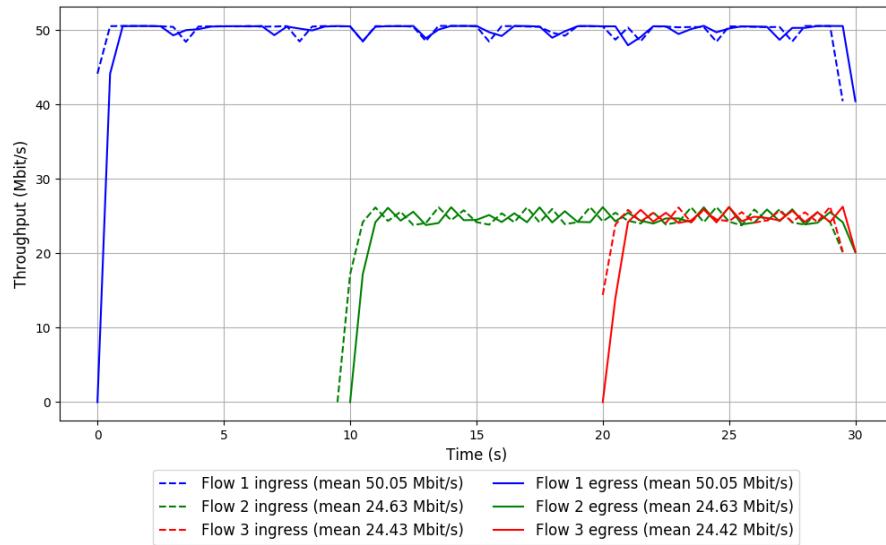


Run 1: Statistics of Sprout

```
Start at: 2019-12-11 07:01:58
End at: 2019-12-11 07:02:28
Local clock offset: 5.729 ms
Remote clock offset: 0.364 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.51 Mbit/s
95th percentile per-packet one-way delay: 5.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 5.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 4.874 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 4.692 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

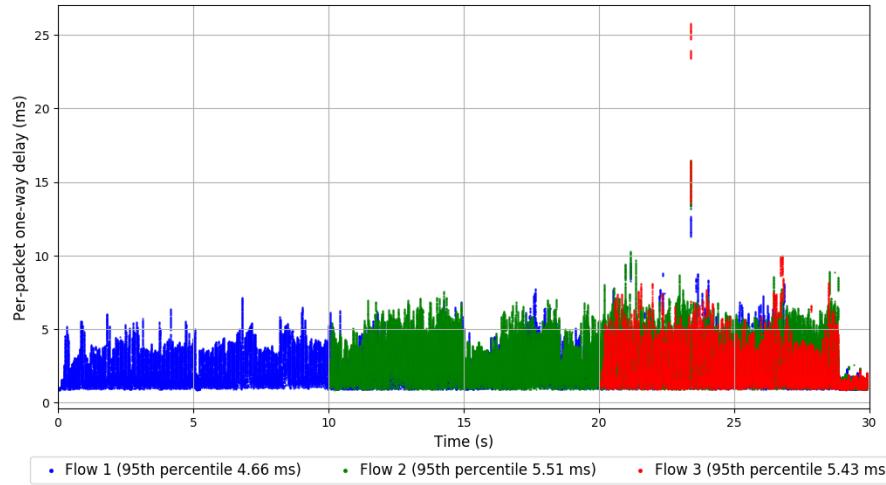
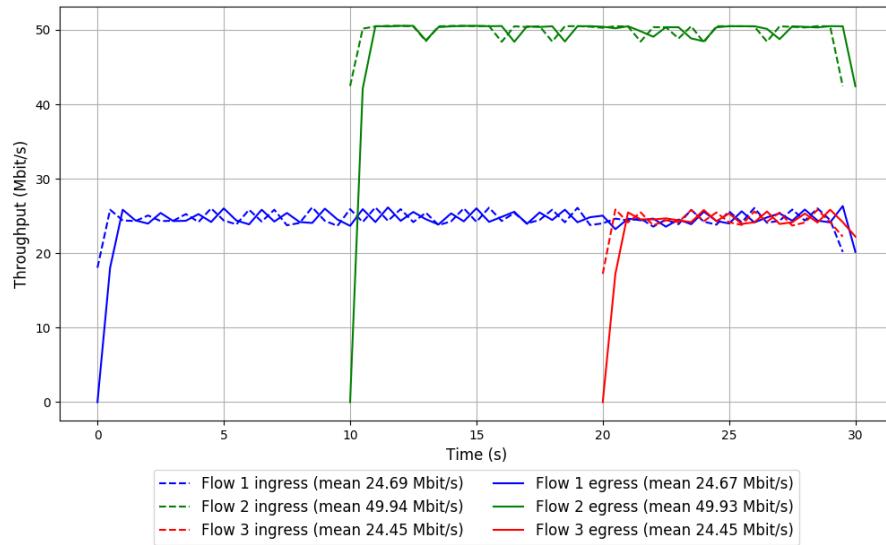


Run 2: Statistics of Sprout

```
Start at: 2019-12-11 07:37:27
End at: 2019-12-11 07:37:57
Local clock offset: 4.028 ms
Remote clock offset: -3.274 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 5.283 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 4.655 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 5.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 5.426 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

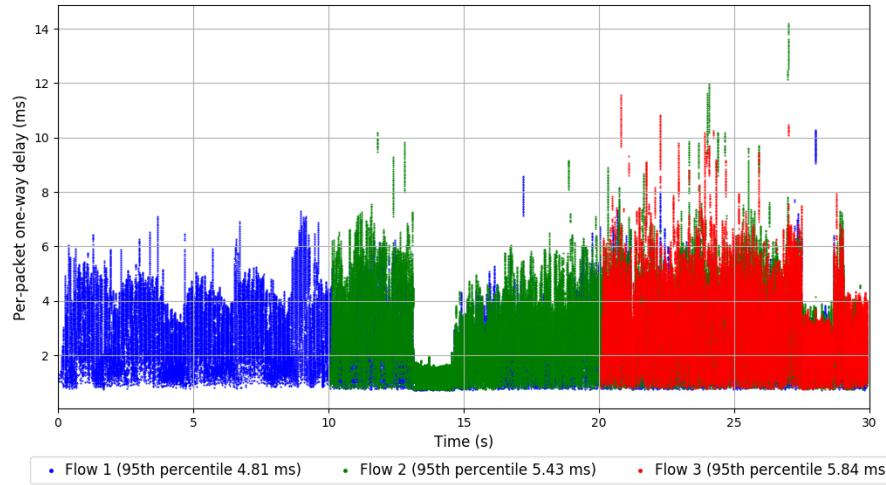
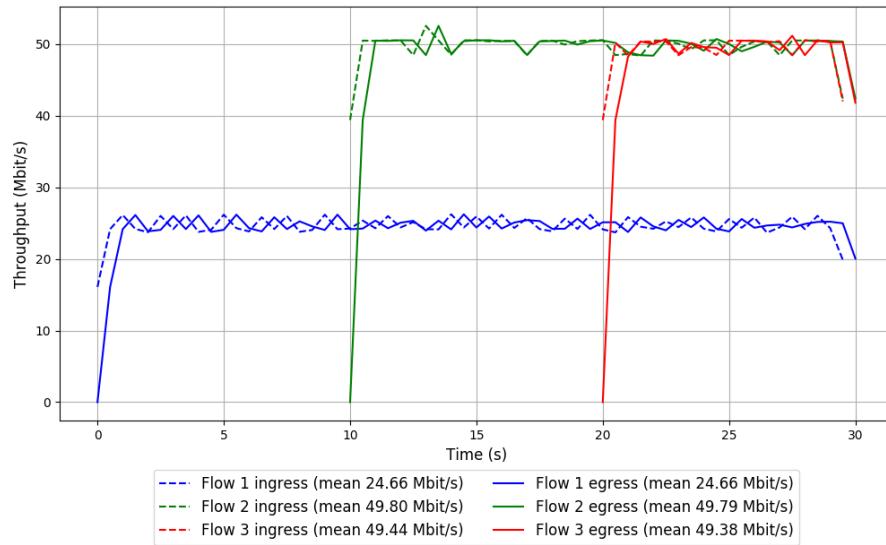


Run 3: Statistics of Sprout

```
Start at: 2019-12-11 08:12:43
End at: 2019-12-11 08:13:13
Local clock offset: 3.352 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 5.371 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 4.810 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 5.431 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 5.843 ms
Loss rate: 0.10%
```

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

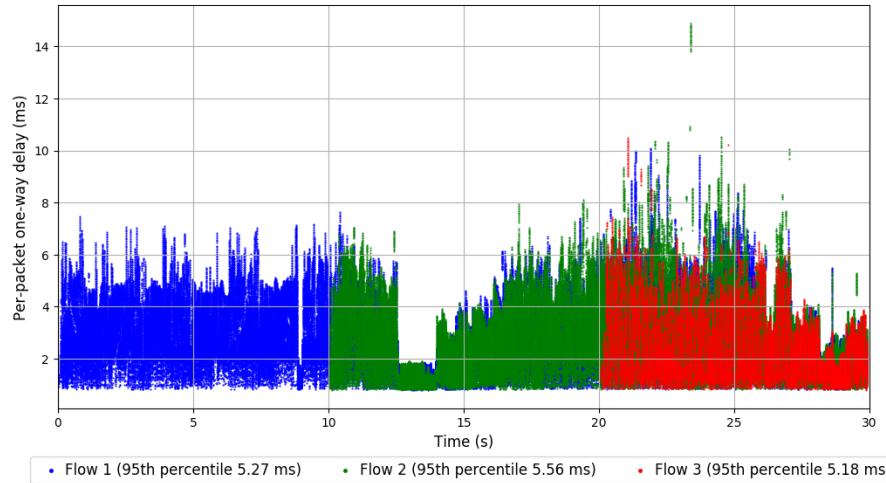
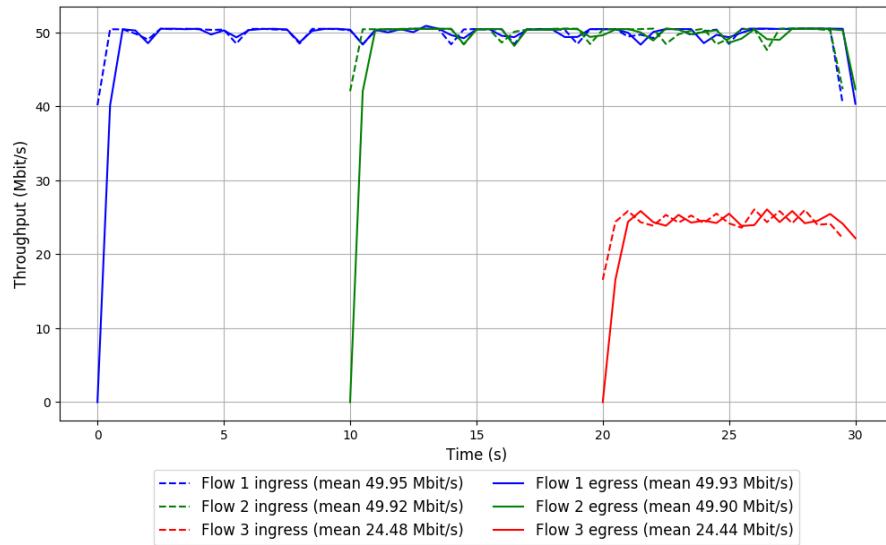


Run 4: Statistics of Sprout

```
Start at: 2019-12-11 08:47:44
End at: 2019-12-11 08:48:14
Local clock offset: 3.223 ms
Remote clock offset: -3.008 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 5.367 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 5.268 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 5.557 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 5.181 ms
Loss rate: 0.14%
```

## Run 4: Report of Sprout — Data Link

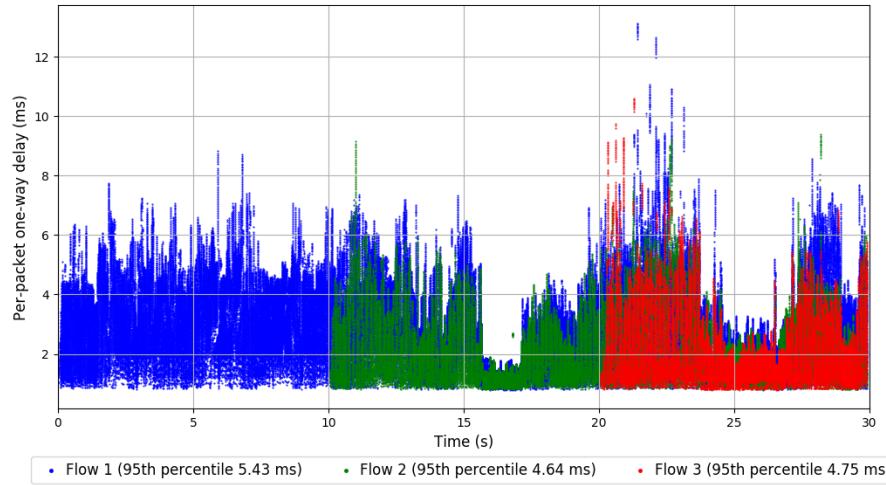
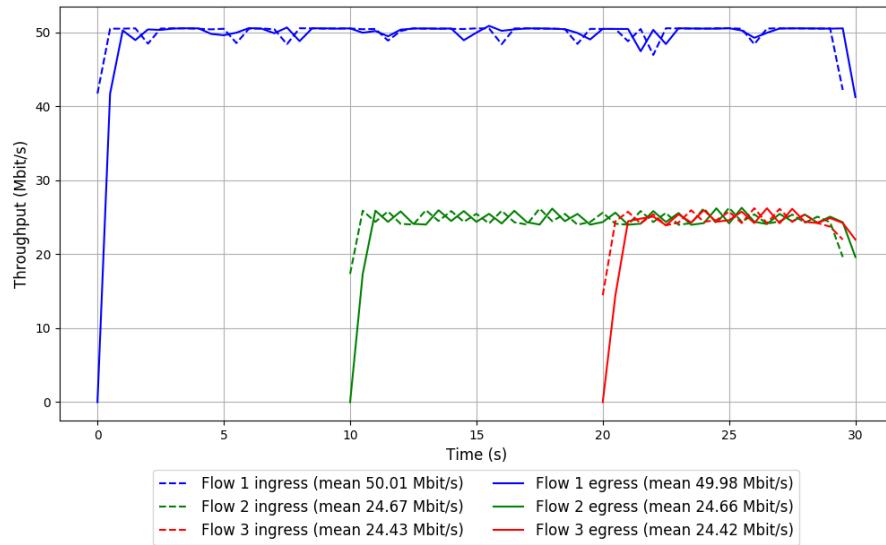


Run 5: Statistics of Sprout

```
Start at: 2019-12-11 09:22:40
End at: 2019-12-11 09:23:10
Local clock offset: 2.849 ms
Remote clock offset: 0.356 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.46 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 5.426 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 4.753 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link

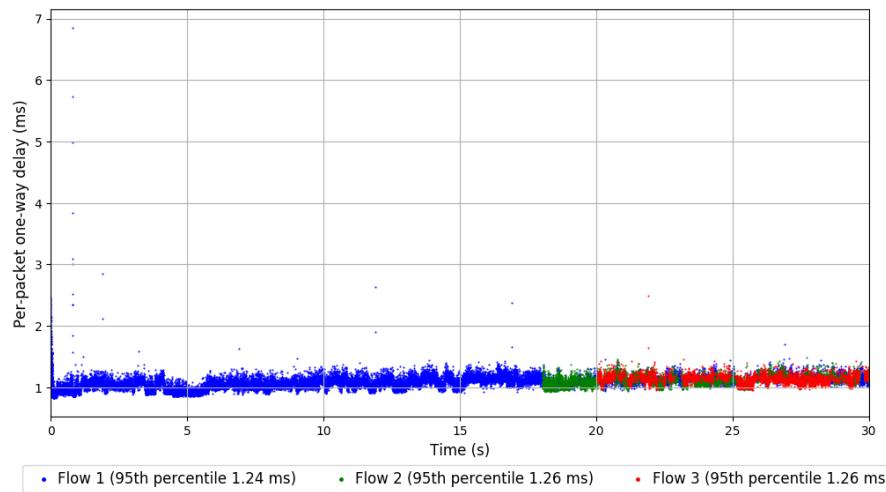
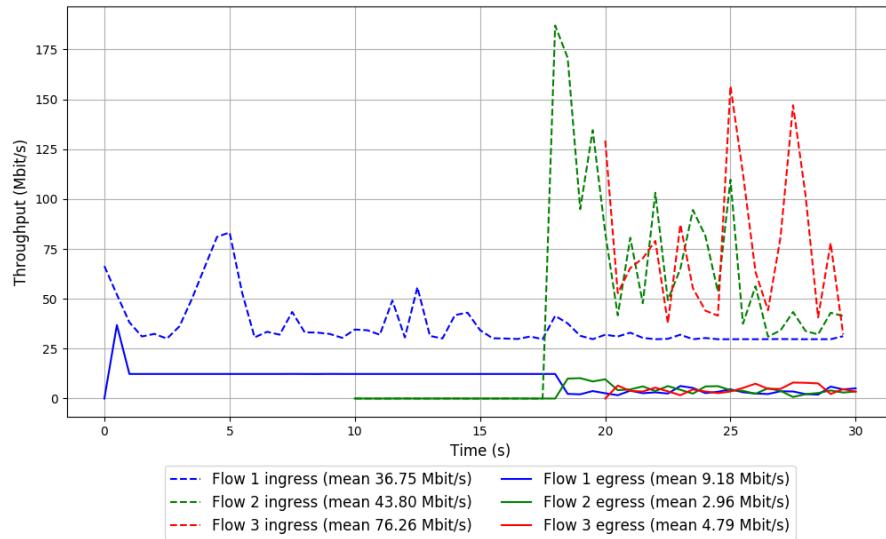


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-12-11 06:41:52
End at: 2019-12-11 06:42:22
Local clock offset: 3.74 ms
Remote clock offset: -0.404 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 86.05%
-- Flow 1:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 75.04%
-- Flow 2:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 93.25%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 93.73%
```

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

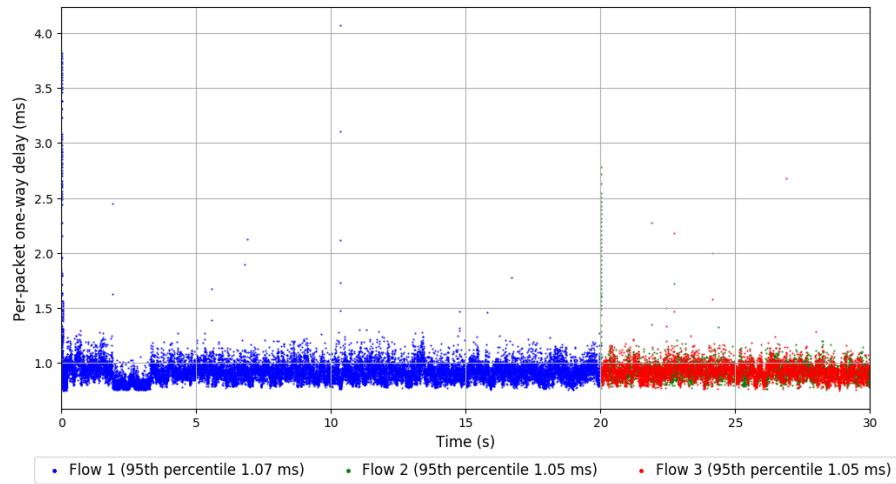
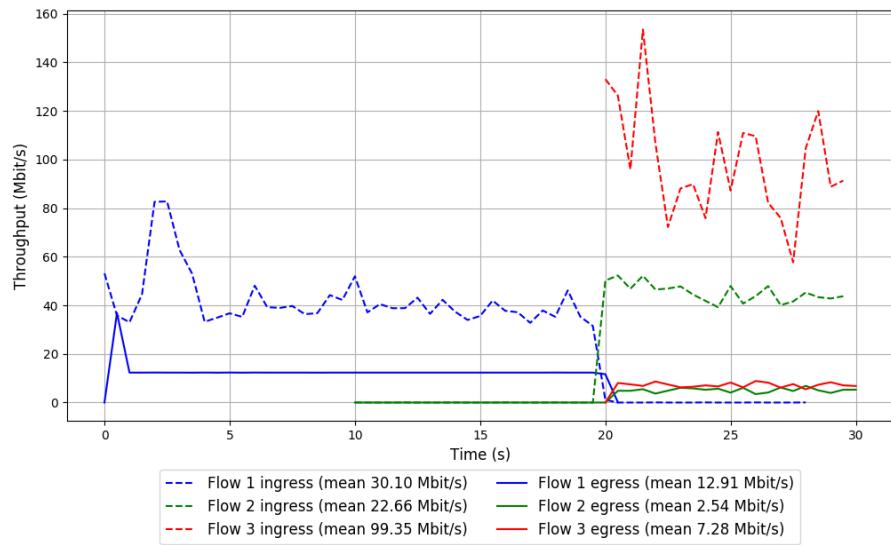


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-12-11 07:17:24
End at: 2019-12-11 07:17:54
Local clock offset: 4.695 ms
Remote clock offset: 0.625 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 83.30%
-- Flow 1:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 69.36%
-- Flow 2:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 88.78%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 92.67%
```

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

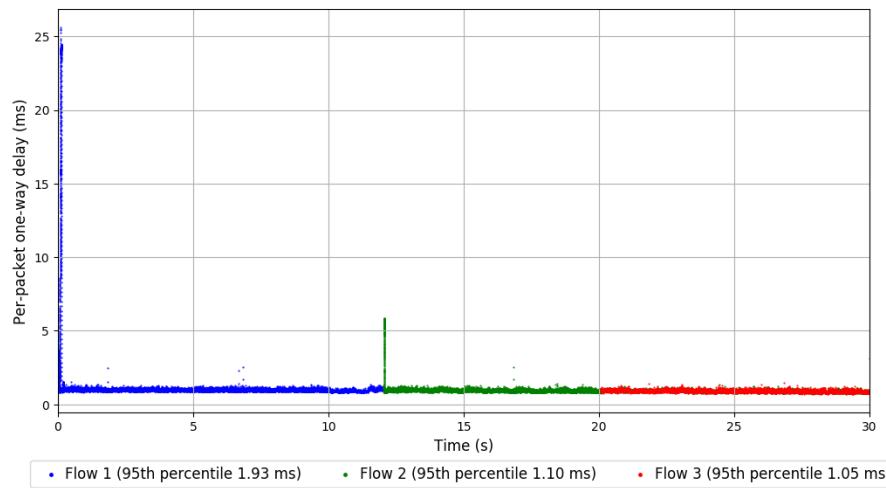
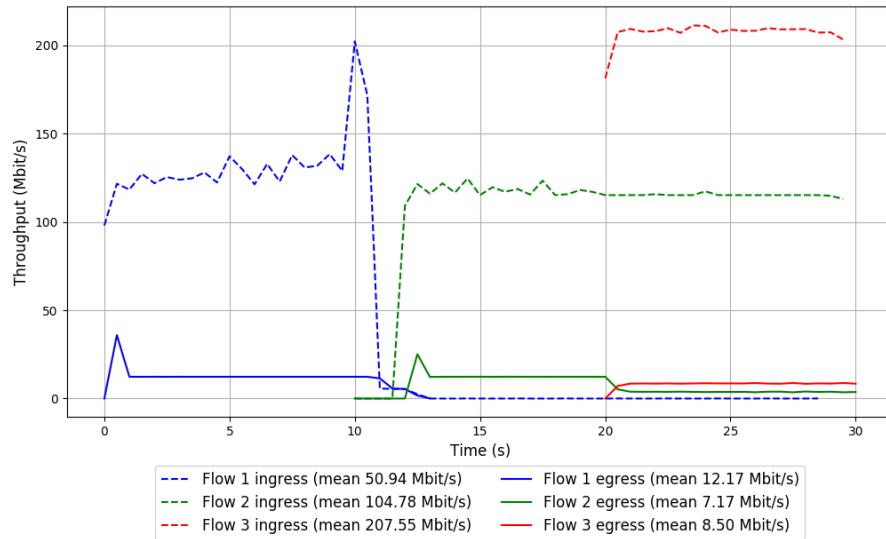


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-12-11 07:52:46
End at: 2019-12-11 07:53:16
Local clock offset: 3.463 ms
Remote clock offset: -4.514 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 93.21%
-- Flow 1:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 1.934 ms
Loss rate: 89.48%
-- Flow 2:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 93.16%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 95.90%
```

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

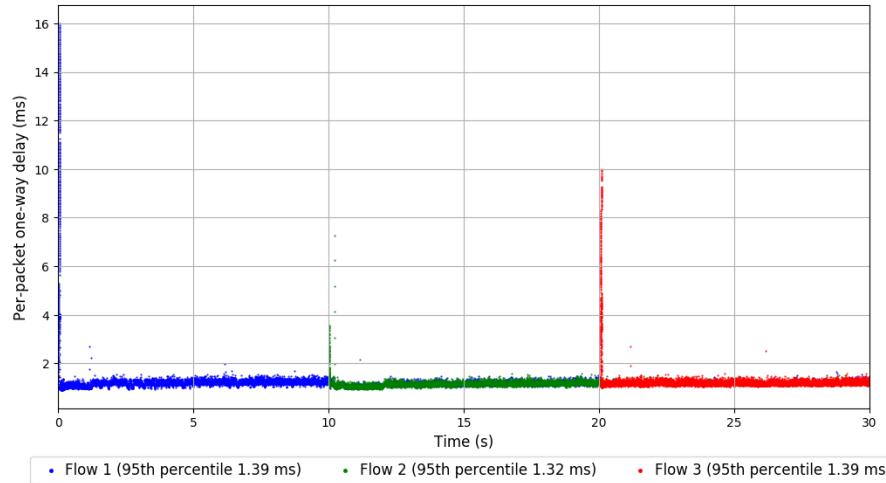
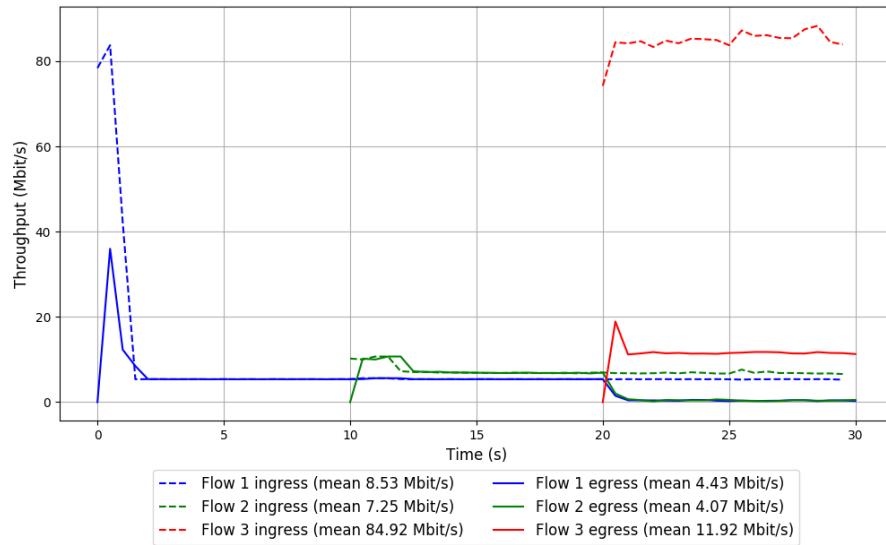


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-12-11 08:27:45
End at: 2019-12-11 08:28:15
Local clock offset: 3.415 ms
Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 73.33%
-- Flow 1:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 48.16%
-- Flow 2:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 43.92%
-- Flow 3:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 85.96%
```

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

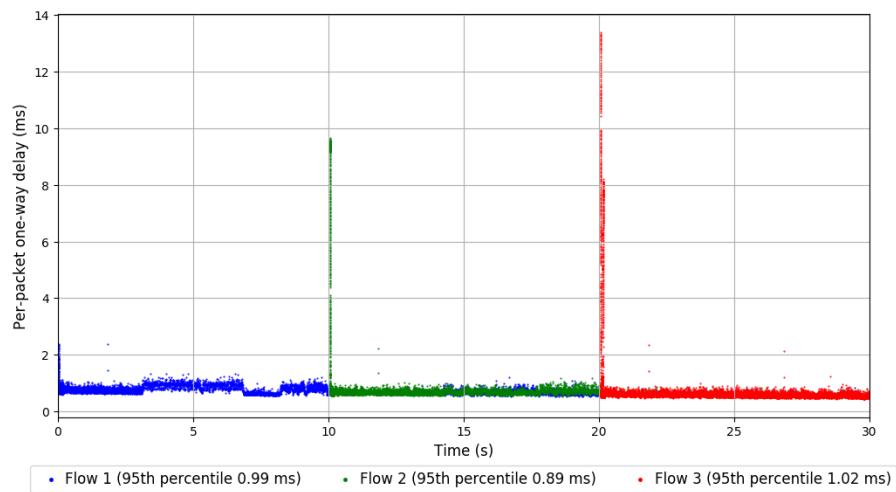
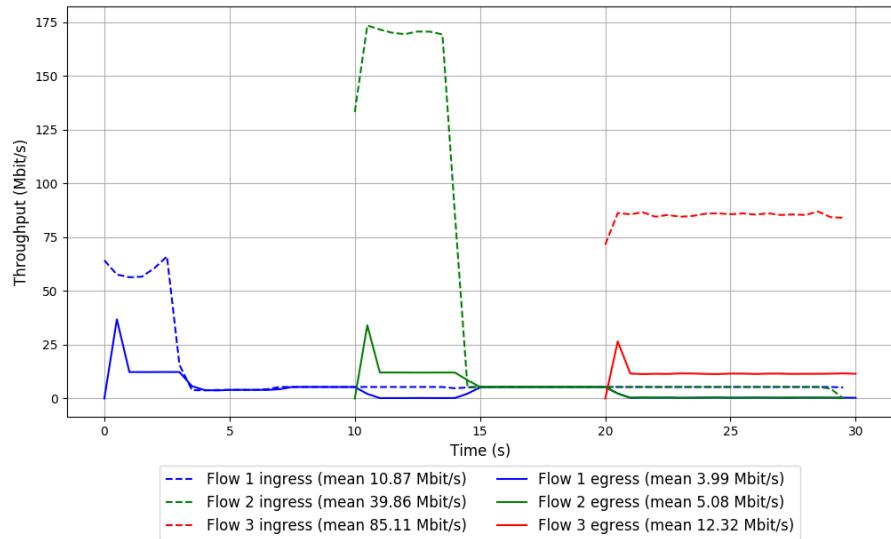


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-12-11 09:02:49
End at: 2019-12-11 09:03:19
Local clock offset: 3.052 ms
Remote clock offset: -3.17 ms

# Below is generated by plot.py at 2019-12-11 10:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 82.64%
-- Flow 1:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 63.28%
-- Flow 2:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 0.893 ms
Loss rate: 87.56%
-- Flow 3:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 85.52%
```

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

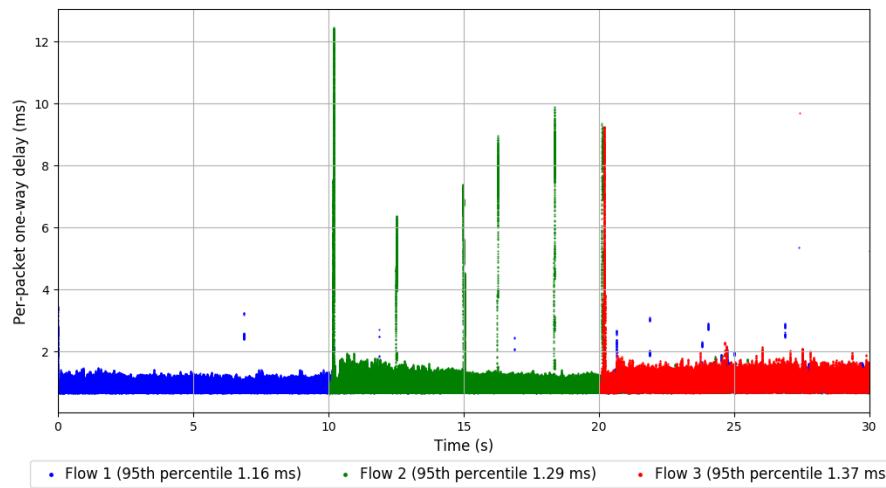
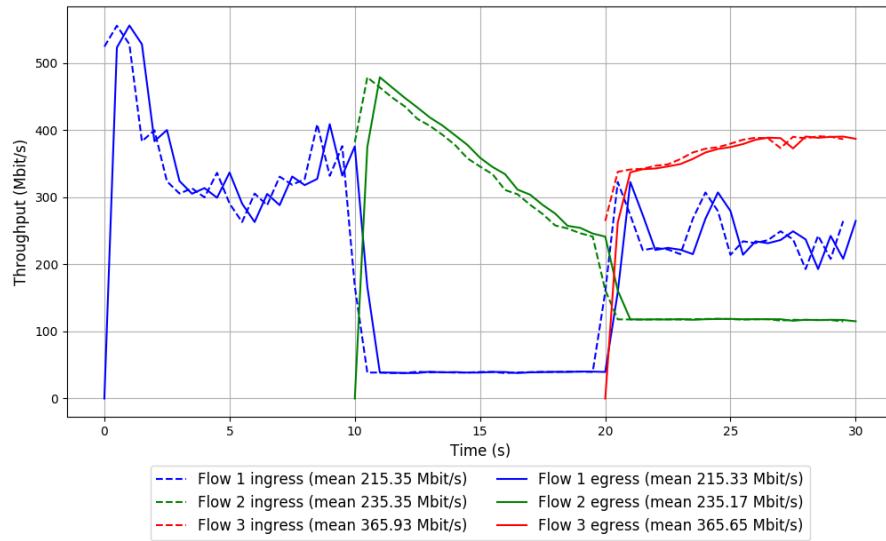


Run 1: Statistics of TCP Vegas

```
Start at: 2019-12-11 06:58:50
End at: 2019-12-11 06:59:20
Local clock offset: 5.591 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2019-12-11 10:40:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.83 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 215.33 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 235.17 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 365.65 Mbit/s
95th percentile per-packet one-way delay: 1.369 ms
Loss rate: 0.03%
```

Run 1: Report of TCP Vegas — Data Link

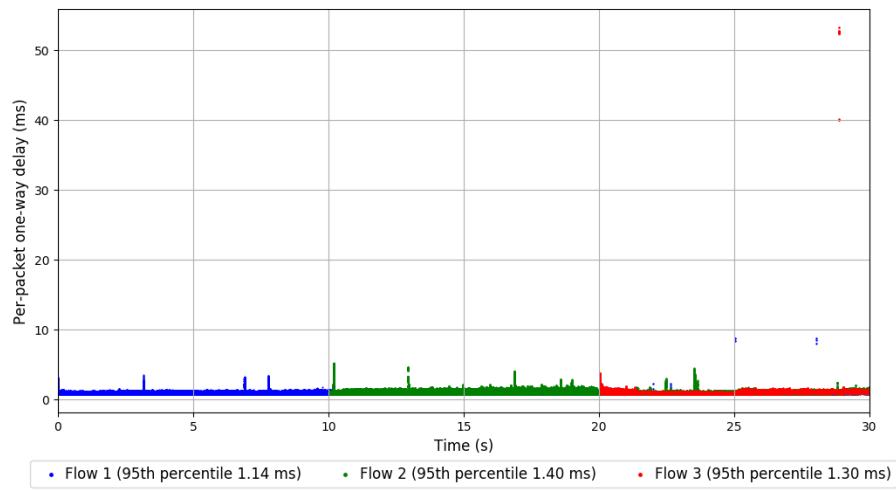
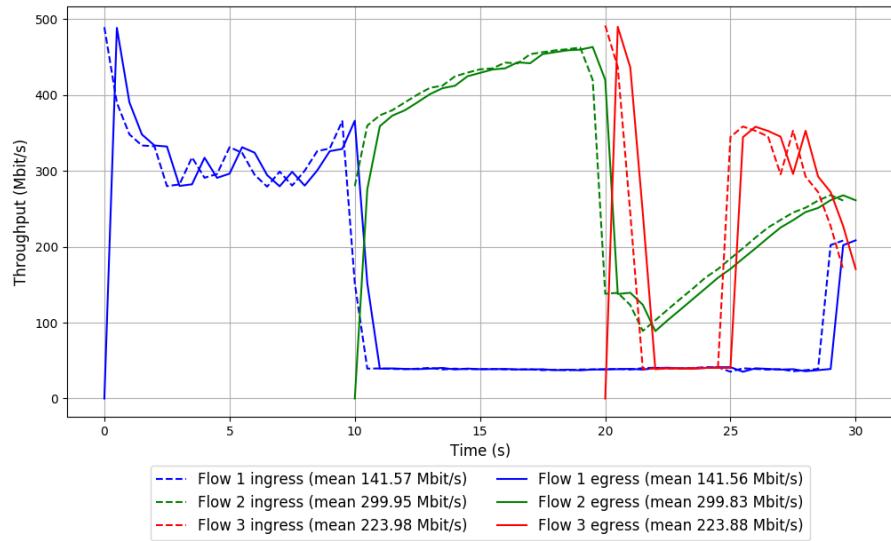


Run 2: Statistics of TCP Vegas

```
Start at: 2019-12-11 07:34:32
End at: 2019-12-11 07:35:02
Local clock offset: 4.043 ms
Remote clock offset: -3.049 ms

# Below is generated by plot.py at 2019-12-11 10:40:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.69 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.56 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 299.83 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 223.88 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.04%
```

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

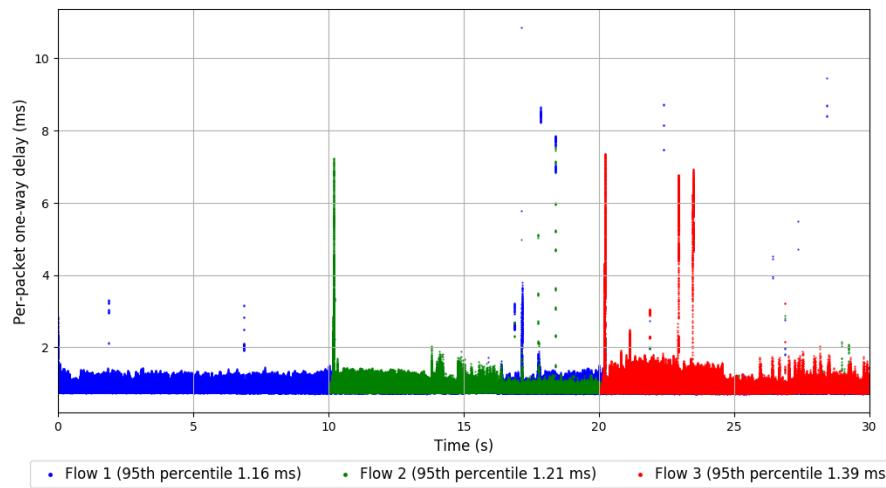
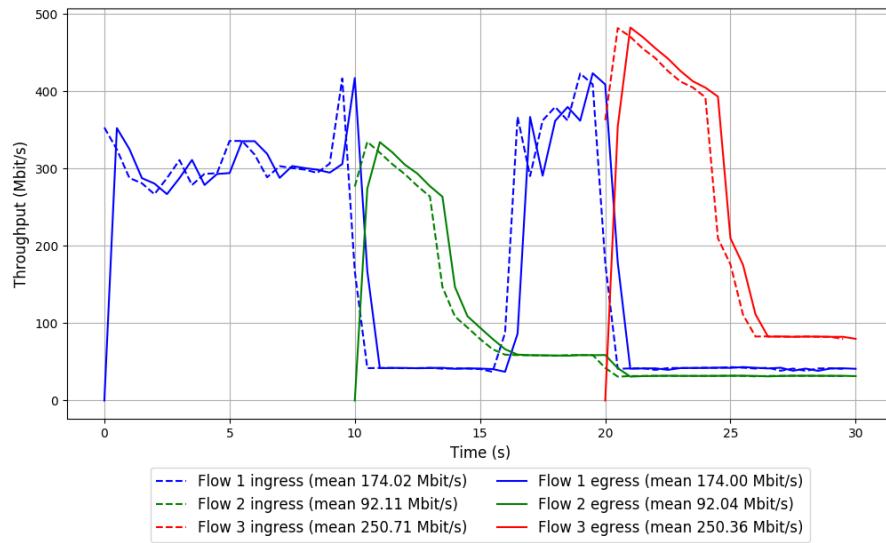


Run 3: Statistics of TCP Vegas

```
Start at: 2019-12-11 08:09:47
End at: 2019-12-11 08:10:17
Local clock offset: 3.301 ms
Remote clock offset: -0.476 ms

# Below is generated by plot.py at 2019-12-11 10:40:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.59 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 174.00 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 1.387 ms
Loss rate: 0.14%
```

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

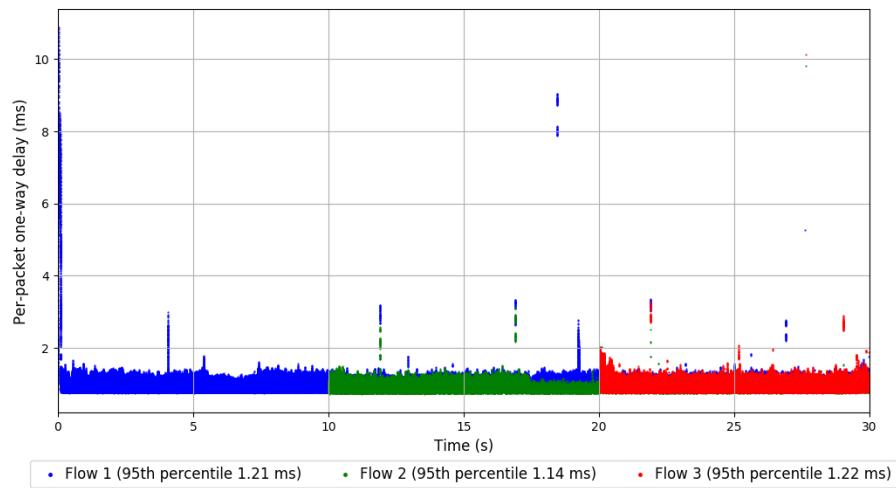
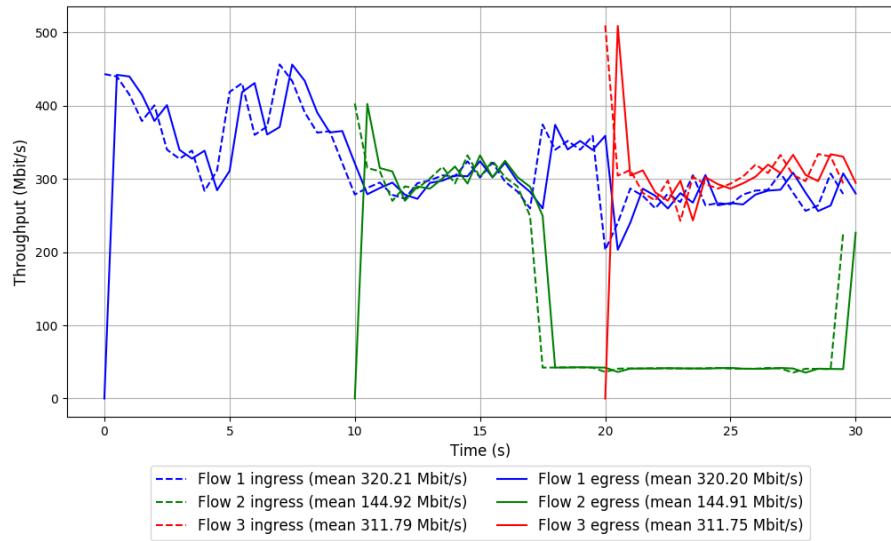


Run 4: Statistics of TCP Vegas

```
Start at: 2019-12-11 08:44:50
End at: 2019-12-11 08:45:20
Local clock offset: 3.281 ms
Remote clock offset: -2.83 ms

# Below is generated by plot.py at 2019-12-11 10:40:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 520.34 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 320.20 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.91 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 311.75 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

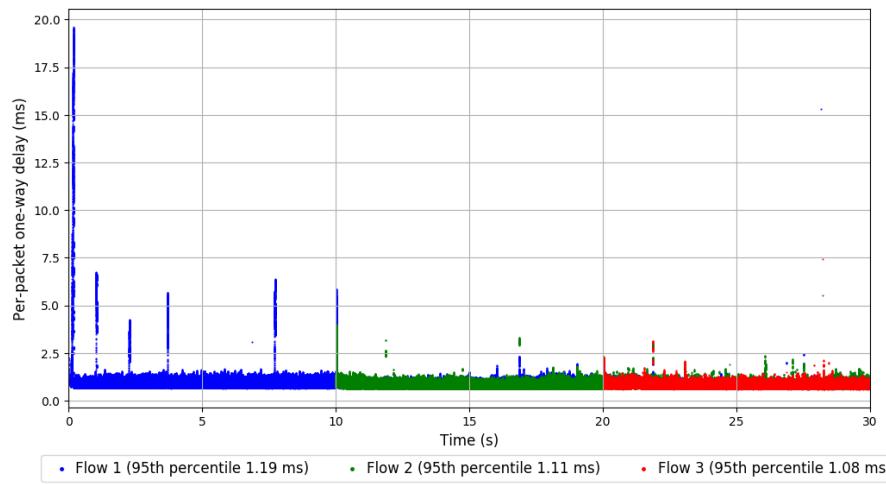
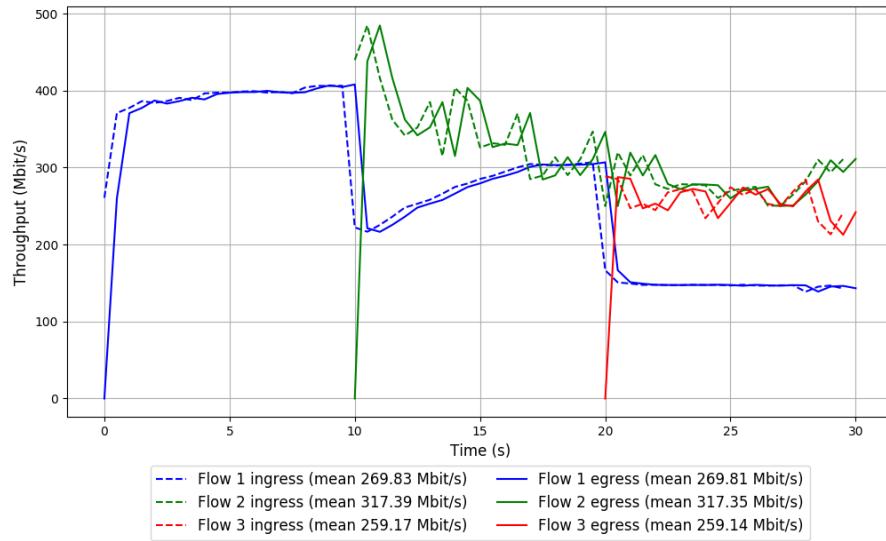


Run 5: Statistics of TCP Vegas

```
Start at: 2019-12-11 09:19:38
End at: 2019-12-11 09:20:08
Local clock offset: 2.903 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2019-12-11 10:41:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 567.45 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 269.81 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 317.35 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 259.14 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

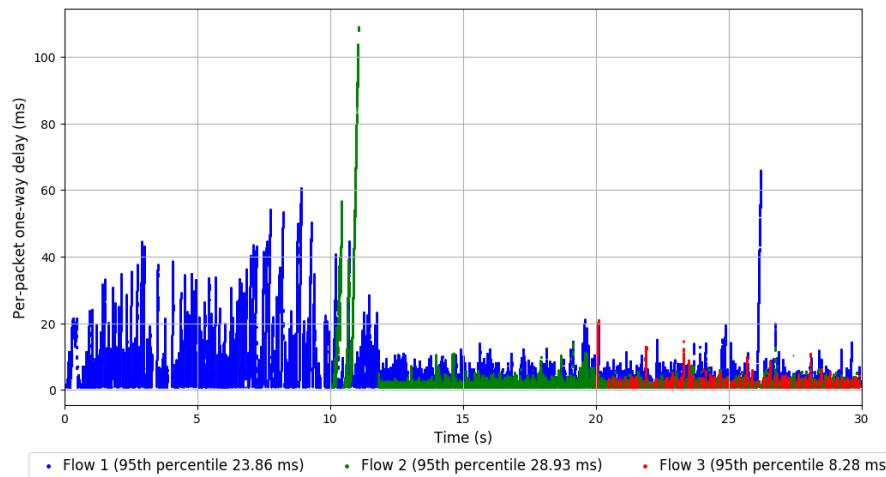
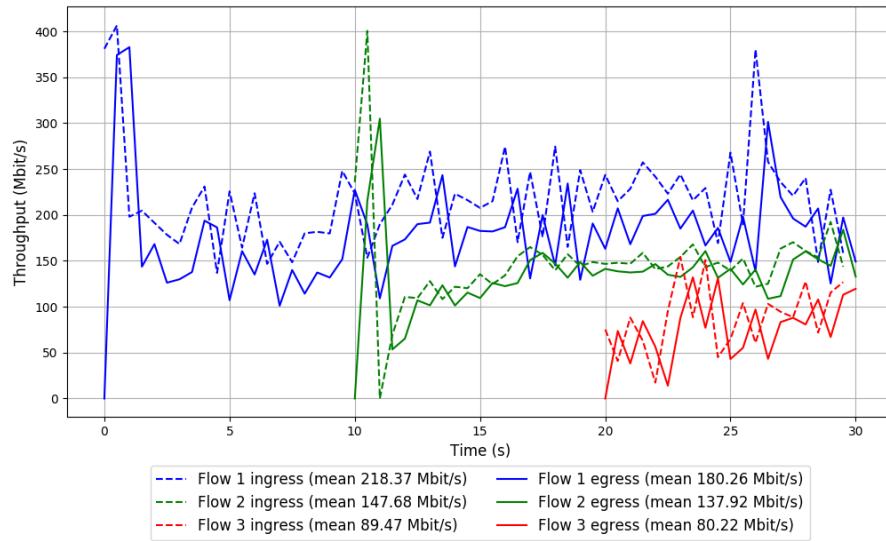


Run 1: Statistics of Verus

```
Start at: 2019-12-11 06:43:08
End at: 2019-12-11 06:43:38
Local clock offset: 3.962 ms
Remote clock offset: -0.417 ms

# Below is generated by plot.py at 2019-12-11 10:41:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.66 Mbit/s
95th percentile per-packet one-way delay: 22.742 ms
Loss rate: 13.76%
-- Flow 1:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 23.860 ms
Loss rate: 17.45%
-- Flow 2:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 28.934 ms
Loss rate: 6.60%
-- Flow 3:
Average throughput: 80.22 Mbit/s
95th percentile per-packet one-way delay: 8.277 ms
Loss rate: 10.34%
```

Run 1: Report of Verus — Data Link

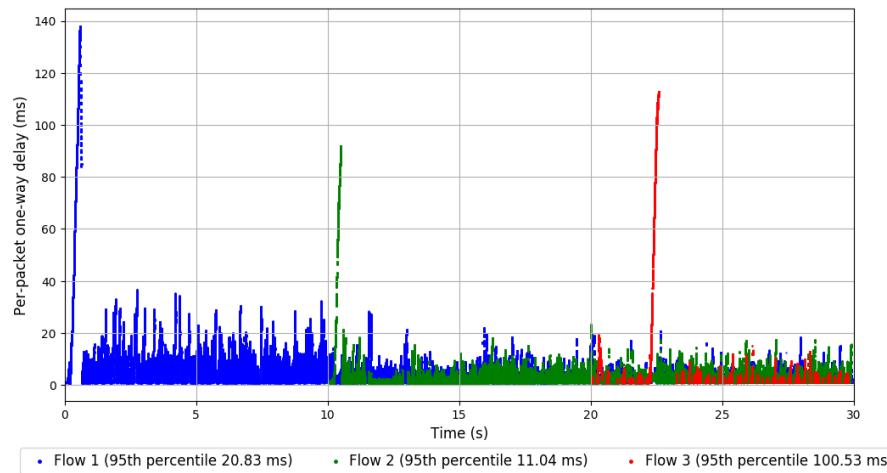
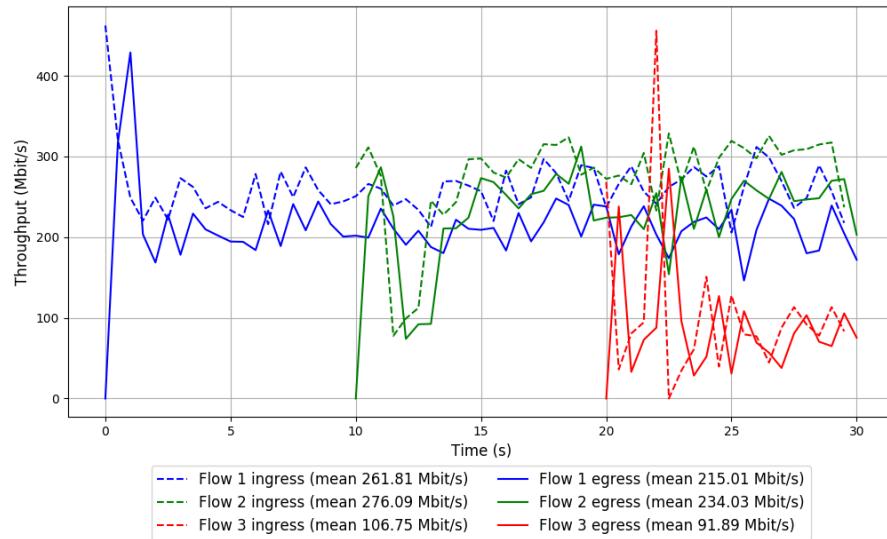


Run 2: Statistics of Verus

```
Start at: 2019-12-11 07:18:40
End at: 2019-12-11 07:19:10
Local clock offset: 4.578 ms
Remote clock offset: 0.596 ms

# Below is generated by plot.py at 2019-12-11 10:41:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.94 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 16.57%
-- Flow 1:
Average throughput: 215.01 Mbit/s
95th percentile per-packet one-way delay: 20.826 ms
Loss rate: 17.88%
-- Flow 2:
Average throughput: 234.03 Mbit/s
95th percentile per-packet one-way delay: 11.038 ms
Loss rate: 15.20%
-- Flow 3:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 100.534 ms
Loss rate: 13.92%
```

## Run 2: Report of Verus — Data Link

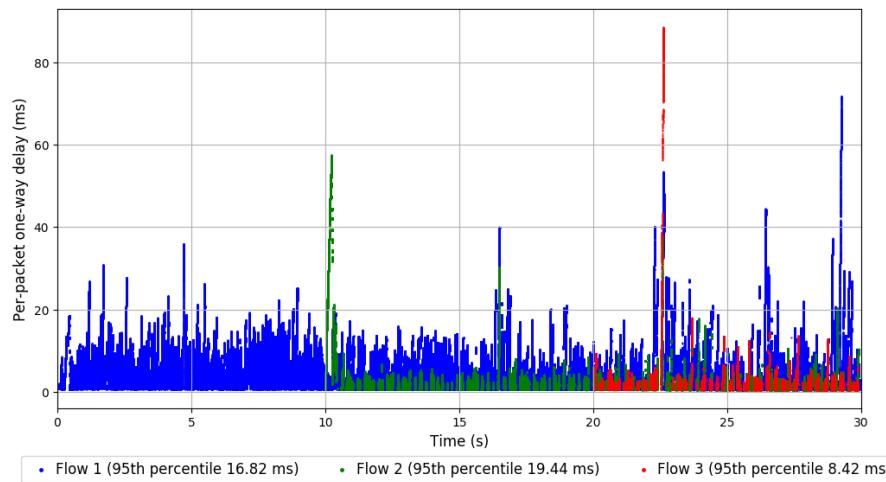
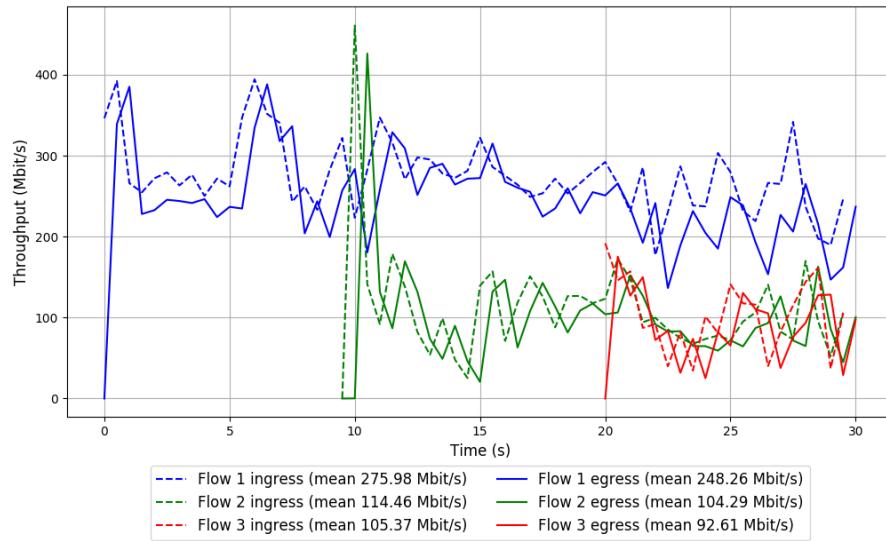


Run 3: Statistics of Verus

```
Start at: 2019-12-11 07:54:03
End at: 2019-12-11 07:54:33
Local clock offset: 3.481 ms
Remote clock offset: -4.038 ms

# Below is generated by plot.py at 2019-12-11 10:41:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.02 Mbit/s
95th percentile per-packet one-way delay: 16.492 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 248.26 Mbit/s
95th percentile per-packet one-way delay: 16.816 ms
Loss rate: 10.04%
-- Flow 2:
Average throughput: 104.29 Mbit/s
95th percentile per-packet one-way delay: 19.437 ms
Loss rate: 8.85%
-- Flow 3:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 8.421 ms
Loss rate: 12.11%
```

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

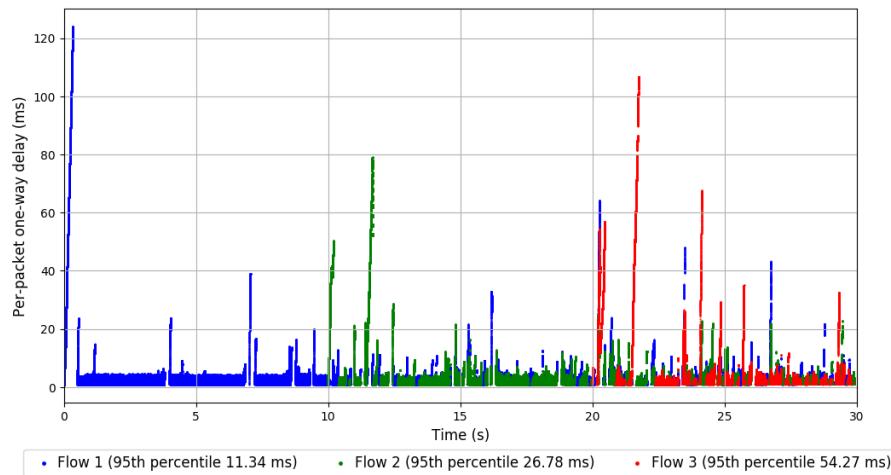
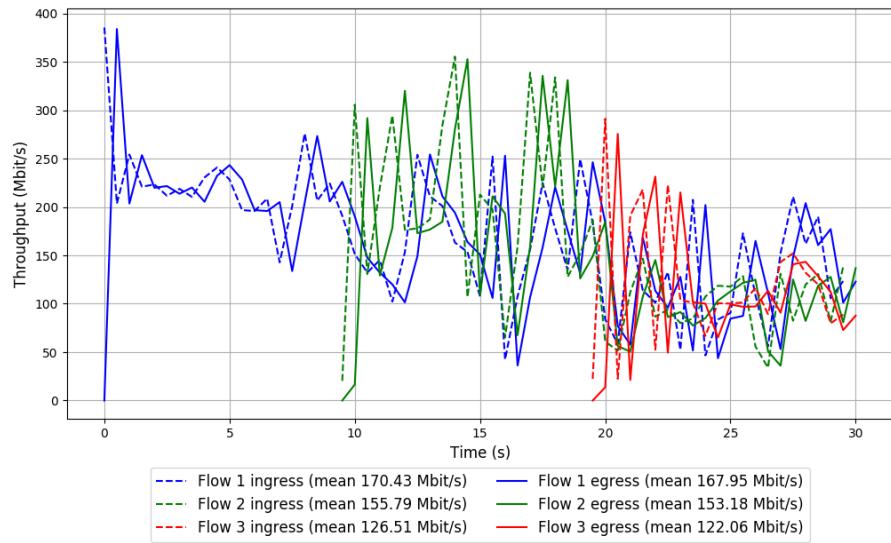


Run 4: Statistics of Verus

```
Start at: 2019-12-11 08:29:01
End at: 2019-12-11 08:29:31
Local clock offset: 3.405 ms
Remote clock offset: -0.409 ms

# Below is generated by plot.py at 2019-12-11 10:42:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.63 Mbit/s
95th percentile per-packet one-way delay: 27.961 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 167.95 Mbit/s
95th percentile per-packet one-way delay: 11.337 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 153.18 Mbit/s
95th percentile per-packet one-way delay: 26.780 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 122.06 Mbit/s
95th percentile per-packet one-way delay: 54.267 ms
Loss rate: 3.51%
```

## Run 4: Report of Verus — Data Link

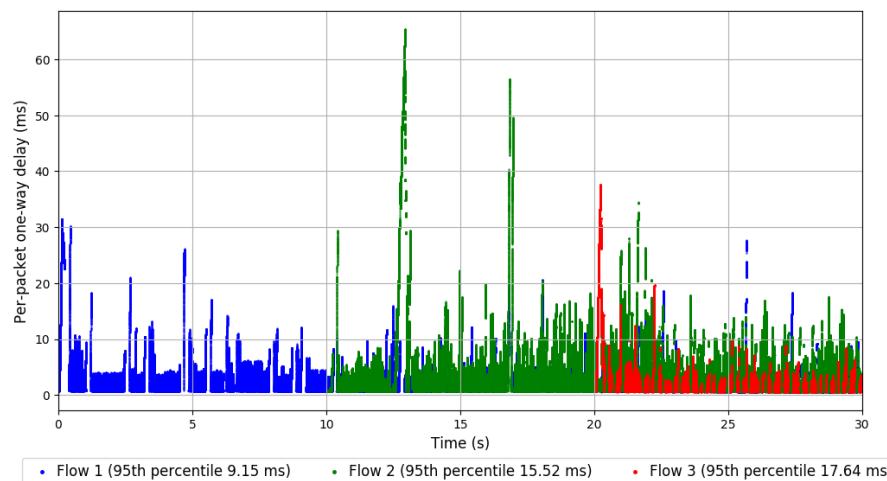
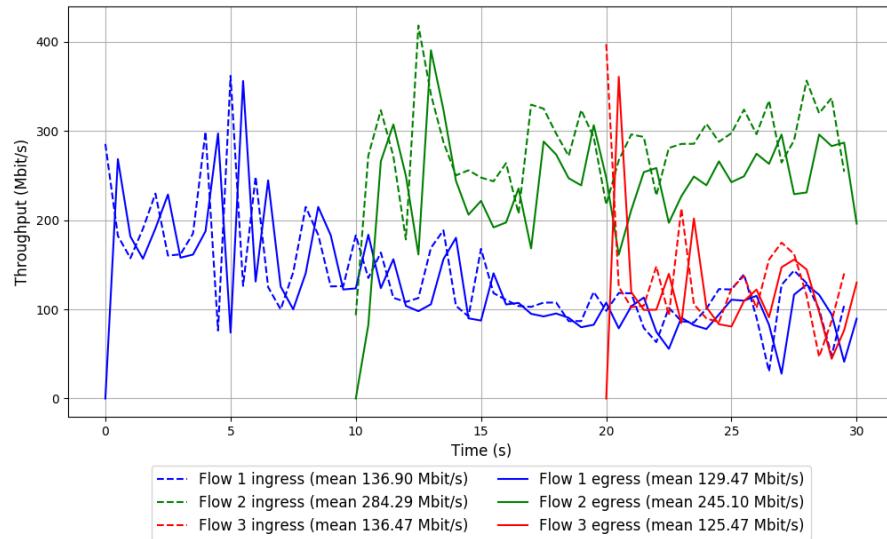


Run 5: Statistics of Verus

```
Start at: 2019-12-11 09:04:05
End at: 2019-12-11 09:04:35
Local clock offset: 3.032 ms
Remote clock offset: -2.621 ms

# Below is generated by plot.py at 2019-12-11 10:42:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.60 Mbit/s
95th percentile per-packet one-way delay: 13.886 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 129.47 Mbit/s
95th percentile per-packet one-way delay: 9.146 ms
Loss rate: 5.40%
-- Flow 2:
Average throughput: 245.10 Mbit/s
95th percentile per-packet one-way delay: 15.524 ms
Loss rate: 13.77%
-- Flow 3:
Average throughput: 125.47 Mbit/s
95th percentile per-packet one-way delay: 17.642 ms
Loss rate: 8.06%
```

Run 5: Report of Verus — Data Link

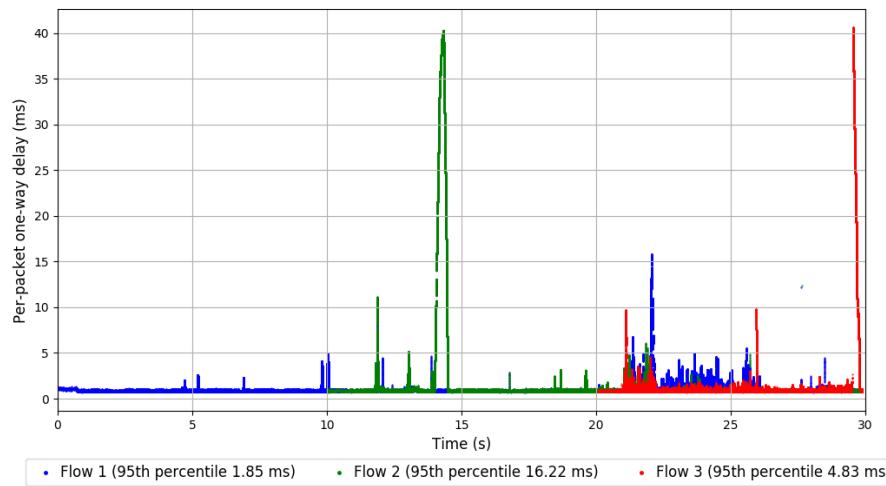
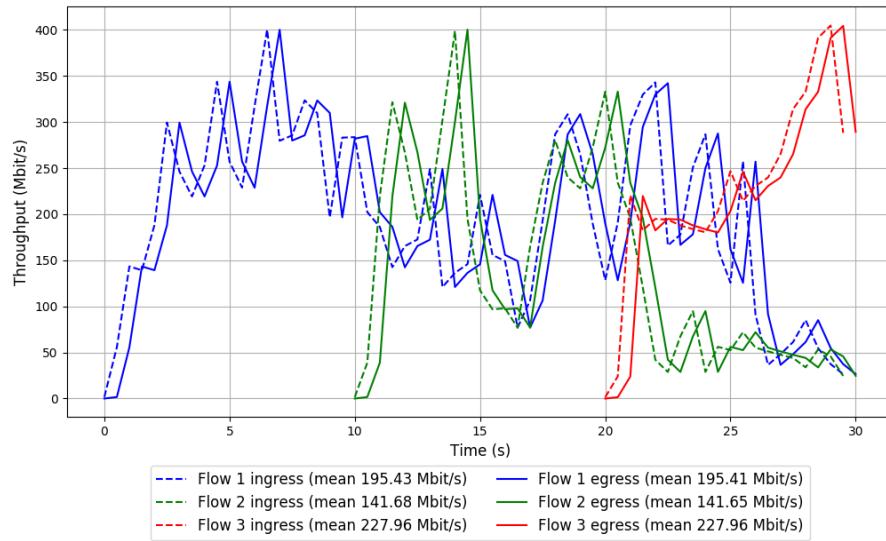


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-12-11 07:03:14
End at: 2019-12-11 07:03:44
Local clock offset: 5.788 ms
Remote clock offset: 0.332 ms

# Below is generated by plot.py at 2019-12-11 10:43:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.90 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 195.41 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.65 Mbit/s
95th percentile per-packet one-way delay: 16.220 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 227.96 Mbit/s
95th percentile per-packet one-way delay: 4.831 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Vivace — Data Link

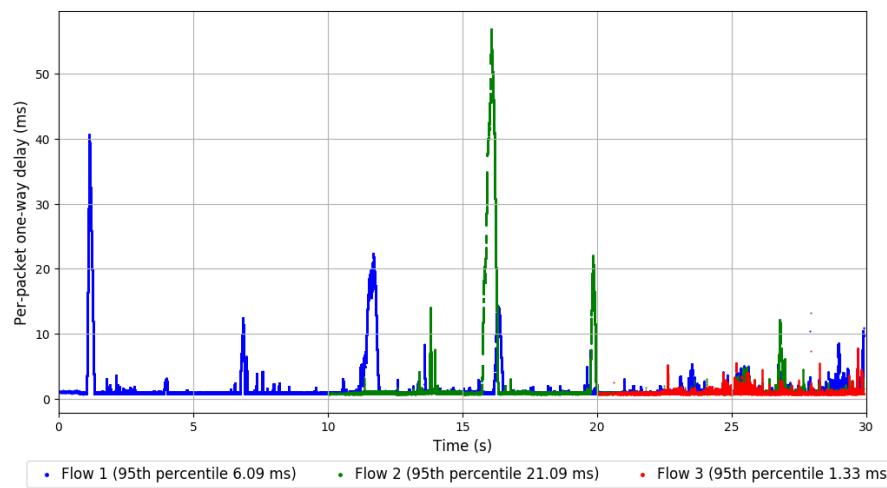
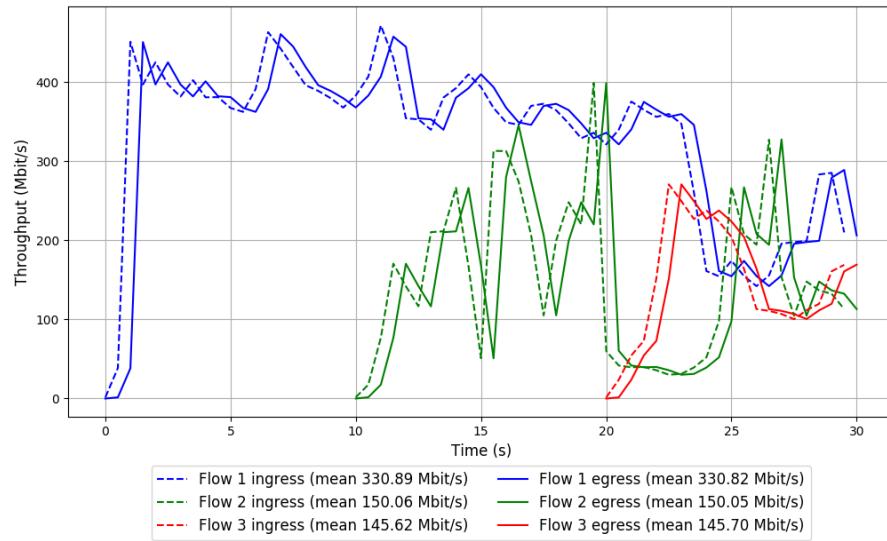


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-12-11 07:38:44
End at: 2019-12-11 07:39:14
Local clock offset: 4.042 ms
Remote clock offset: -3.445 ms

# Below is generated by plot.py at 2019-12-11 10:44:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.71 Mbit/s
95th percentile per-packet one-way delay: 8.053 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 330.82 Mbit/s
95th percentile per-packet one-way delay: 6.086 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 150.05 Mbit/s
95th percentile per-packet one-way delay: 21.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.70 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

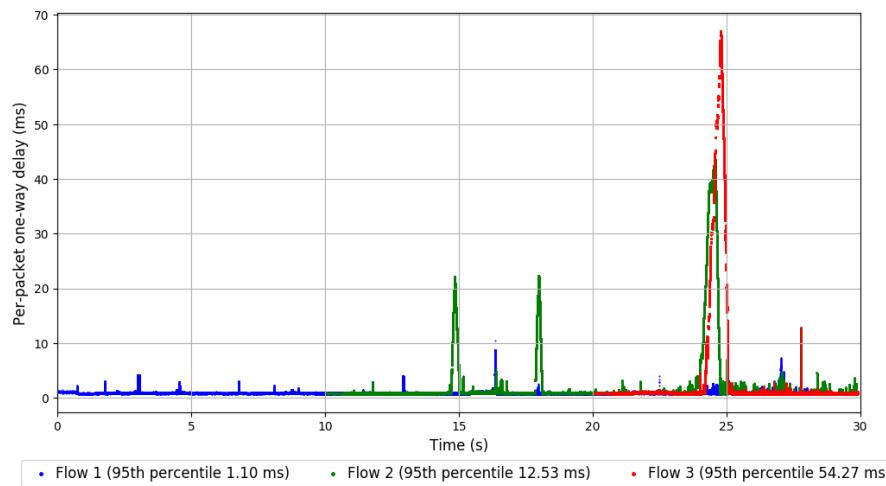
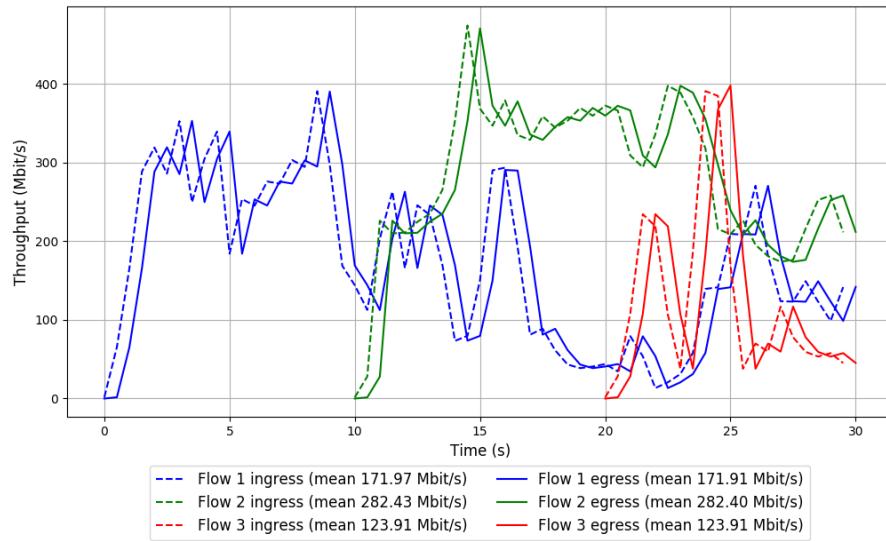


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-12-11 08:13:59
End at: 2019-12-11 08:14:29
Local clock offset: 3.369 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2019-12-11 10:44:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.73 Mbit/s
95th percentile per-packet one-way delay: 10.898 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 171.91 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 282.40 Mbit/s
95th percentile per-packet one-way delay: 12.529 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 123.91 Mbit/s
95th percentile per-packet one-way delay: 54.269 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

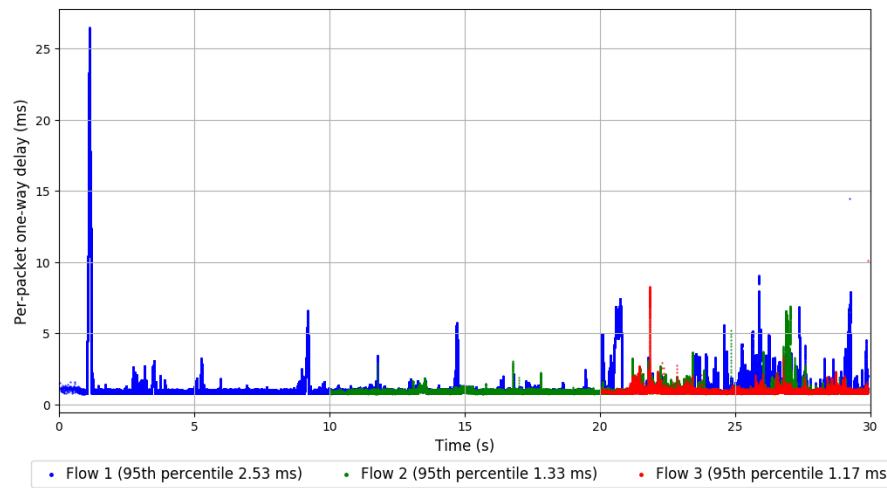
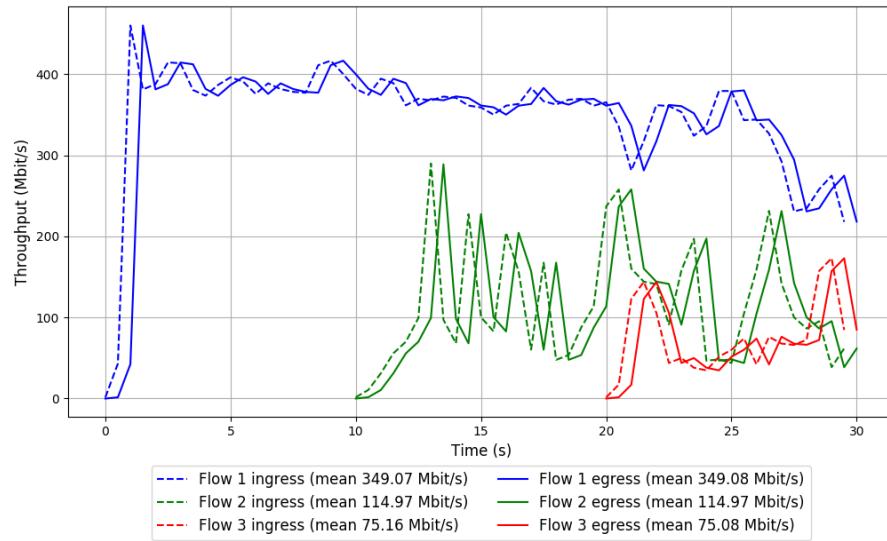


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-12-11 08:49:00
End at: 2019-12-11 08:49:30
Local clock offset: 3.186 ms
Remote clock offset: -3.117 ms

# Below is generated by plot.py at 2019-12-11 10:44:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.20 Mbit/s
95th percentile per-packet one-way delay: 2.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 349.08 Mbit/s
95th percentile per-packet one-way delay: 2.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.97 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

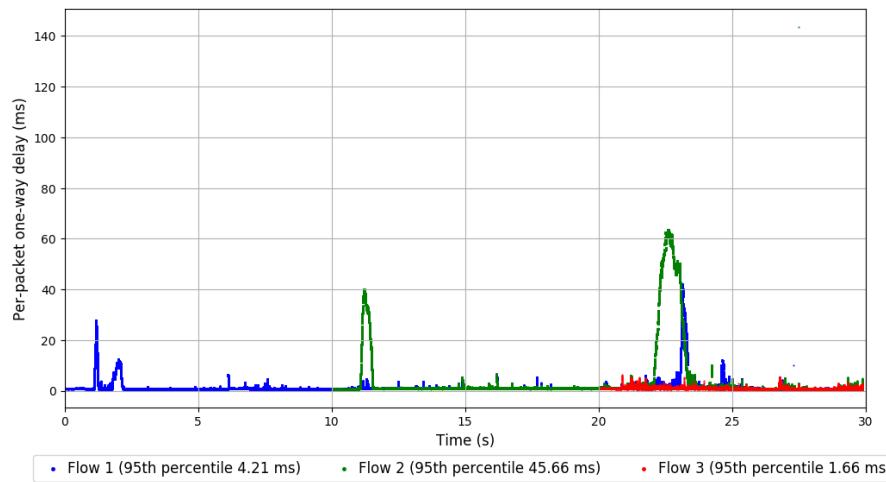
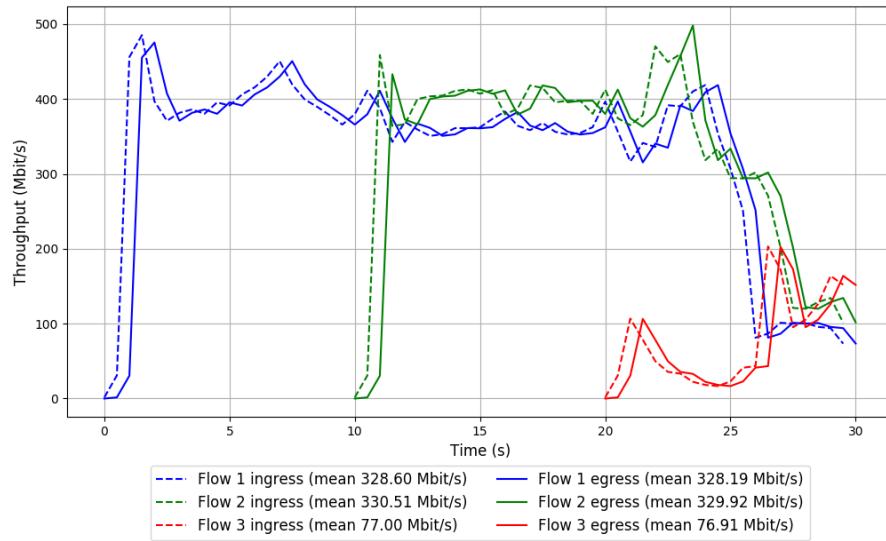


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-12-11 09:23:57
End at: 2019-12-11 09:24:27
Local clock offset: 2.865 ms
Remote clock offset: 0.326 ms

# Below is generated by plot.py at 2019-12-11 10:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 572.98 Mbit/s
95th percentile per-packet one-way delay: 12.206 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 328.19 Mbit/s
95th percentile per-packet one-way delay: 4.206 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 329.92 Mbit/s
95th percentile per-packet one-way delay: 45.656 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 1.661 ms
Loss rate: 0.11%
```

Run 5: Report of PCC-Vivace — Data Link

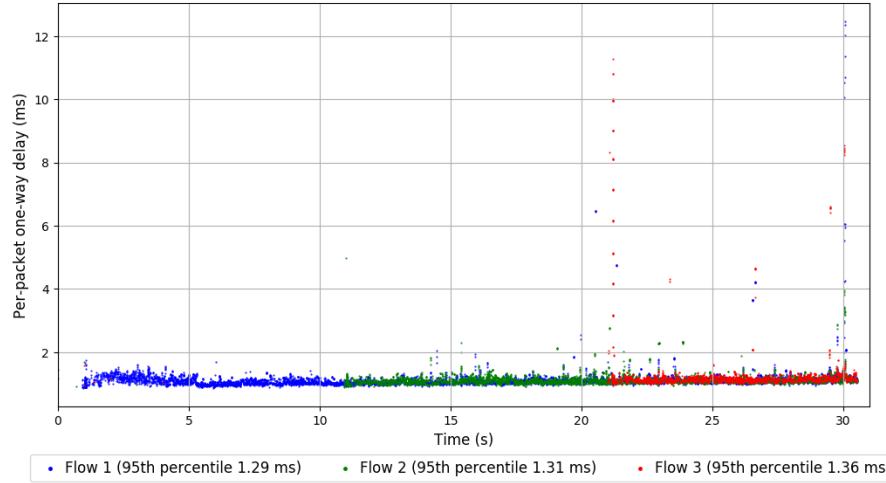
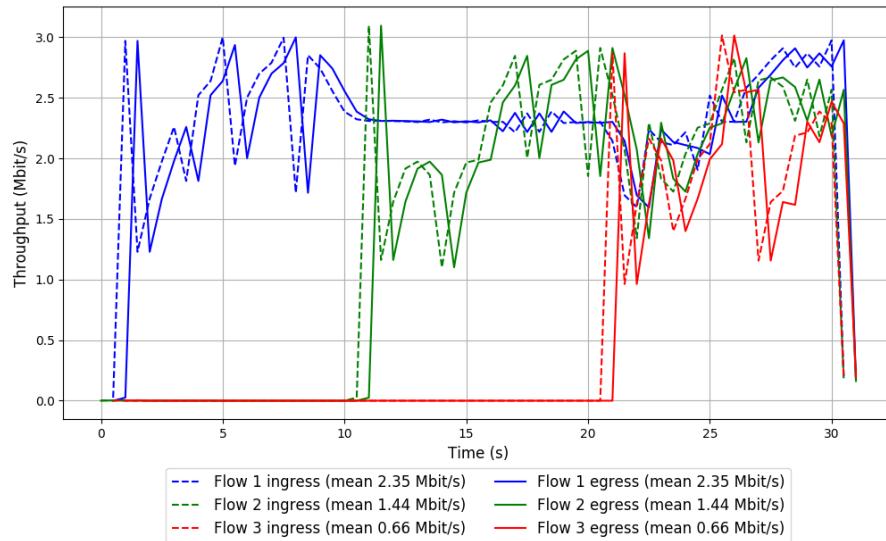


```
Run 1: Statistics of WebRTC media

Start at: 2019-12-11 06:39:21
End at: 2019-12-11 06:39:51
Local clock offset: 3.118 ms
Remote clock offset: -0.416 ms

# Below is generated by plot.py at 2019-12-11 10:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 1.364 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

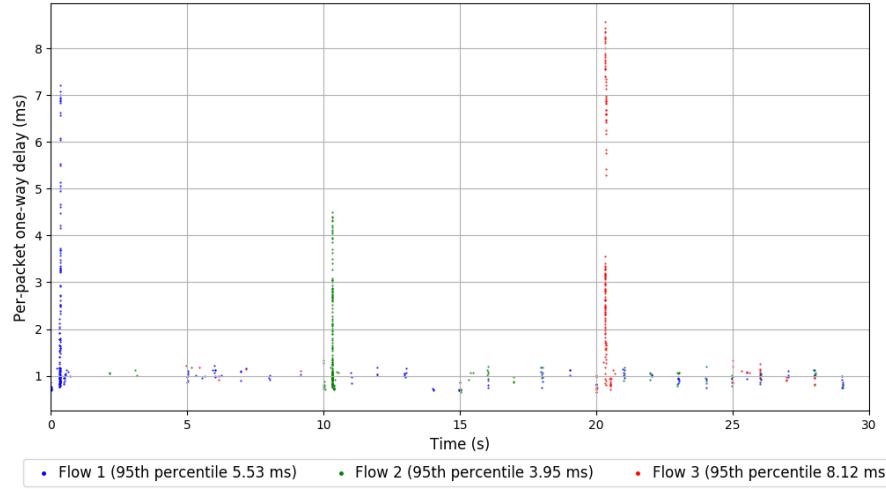
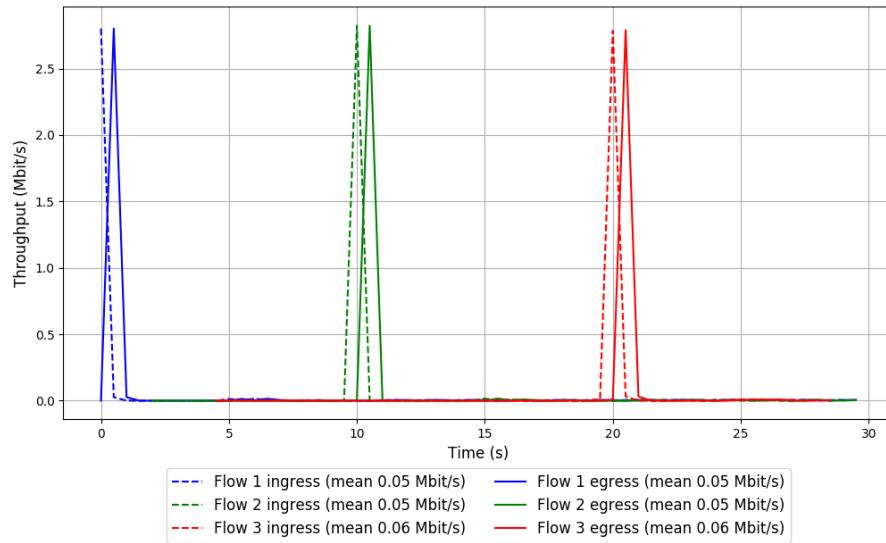


Run 2: Statistics of WebRTC media

```
Start at: 2019-12-11 07:14:42
End at: 2019-12-11 07:15:12
Local clock offset: 4.979 ms
Remote clock offset: 0.613 ms

# Below is generated by plot.py at 2019-12-11 10:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 6.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 8.124 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

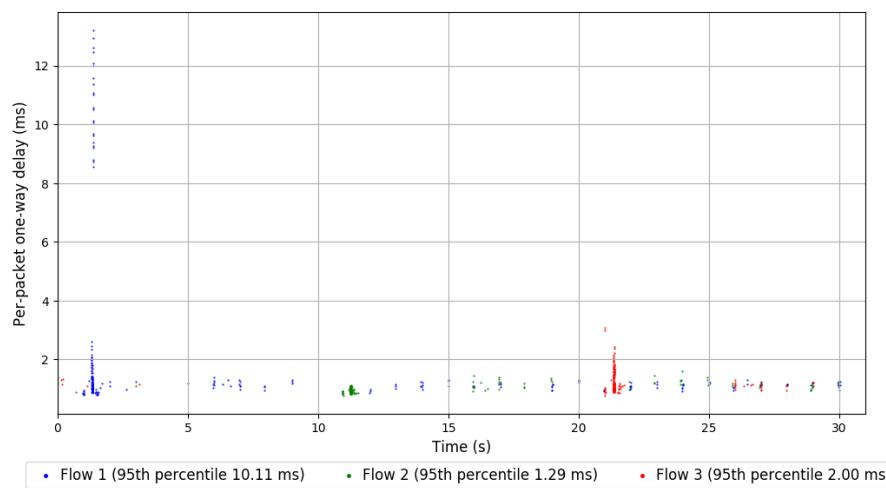
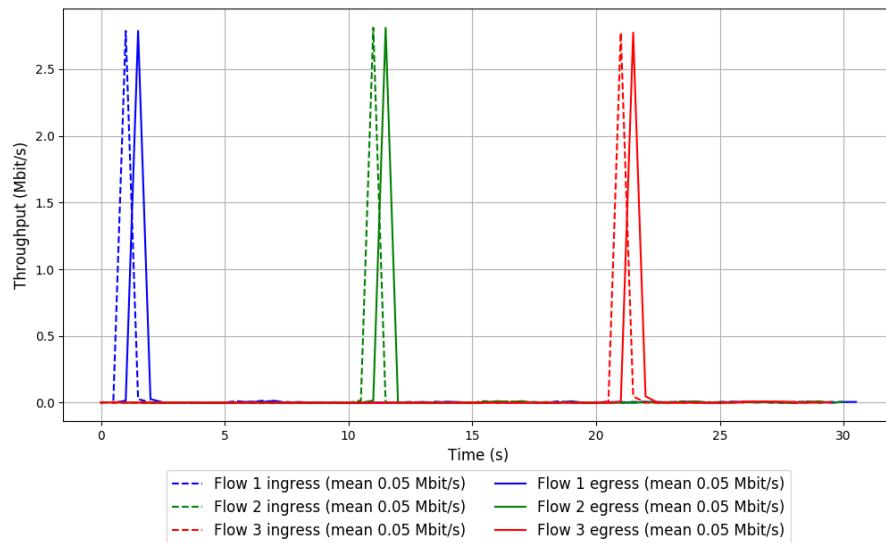


Run 3: Statistics of WebRTC media

```
Start at: 2019-12-11 07:50:16
End at: 2019-12-11 07:50:46
Local clock offset: 3.552 ms
Remote clock offset: -4.293 ms

# Below is generated by plot.py at 2019-12-11 10:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.995 ms
Loss rate: 0.00%
```

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

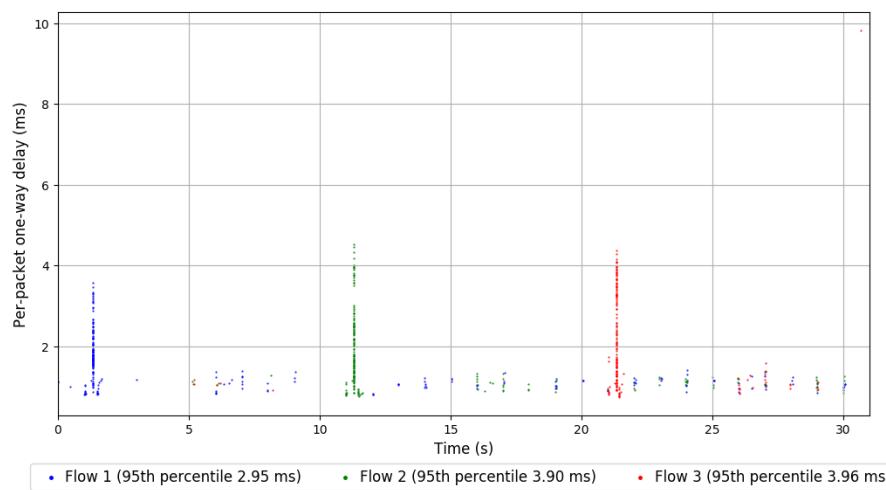
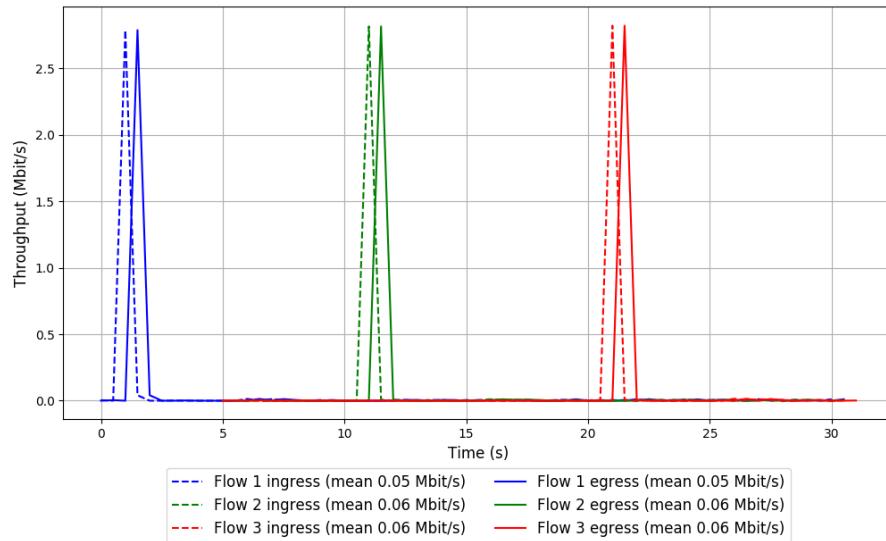


Run 4: Statistics of WebRTC media

```
Start at: 2019-12-11 08:25:15
End at: 2019-12-11 08:25:45
Local clock offset: 3.405 ms
Remote clock offset: 0.211 ms

# Below is generated by plot.py at 2019-12-11 10:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 3.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.965 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-12-11 09:00:14
End at: 2019-12-11 09:00:44
Local clock offset: 3.085 ms
Remote clock offset: -3.686 ms

# Below is generated by plot.py at 2019-12-11 10:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 5.360 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.189 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 6.011 ms
Loss rate: 0.05%
```

Run 5: Report of WebRTC media — Data Link

