

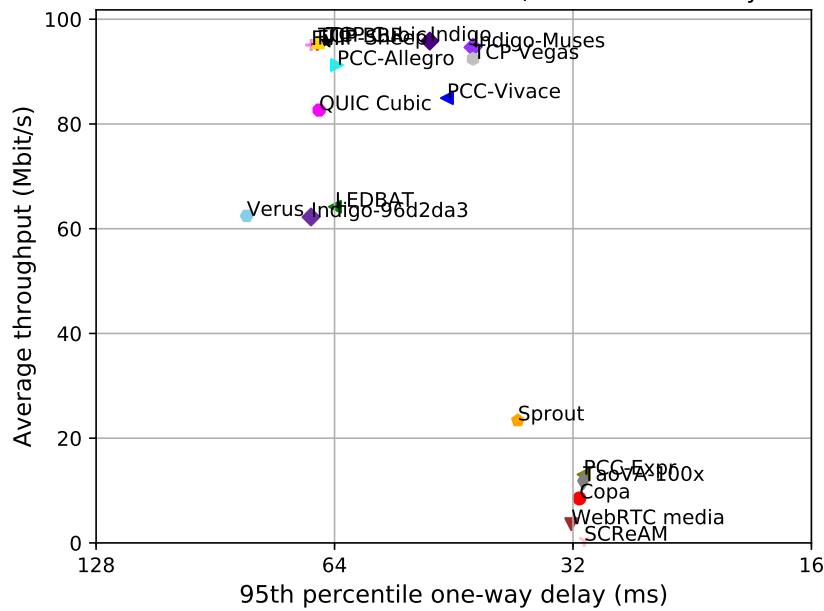
Pantheon Report

Generated at 2018-09-25 10:33:12 (UTC).
Data path: AWS California 2 on `ens5` (*local*) → Mexico on `em1` (*remote*).
Repeated the test of 19 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.

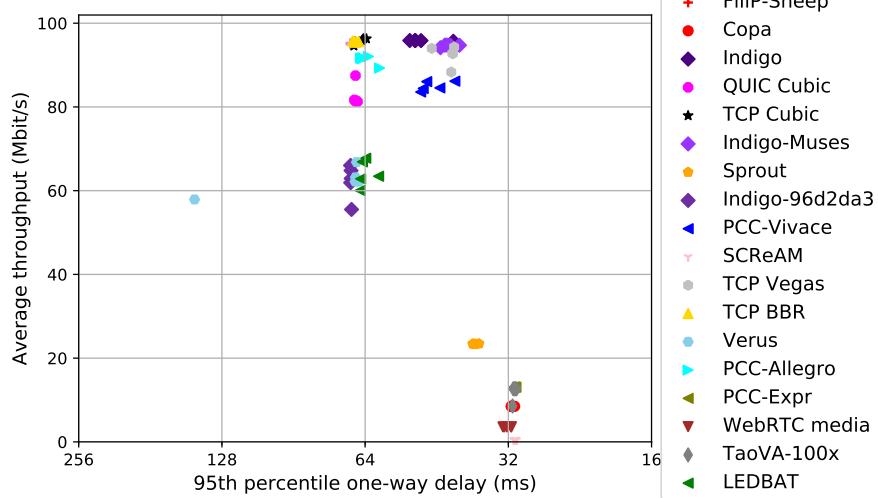
```
System info:  
Linux 4.15.0-1021-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
net.ipv4.tcp_mem = 184101 245469 368202  
  
Git summary:  
branch: muses @ 90192f6b64ce1a1191dcca0e9ff9ee24950674d7  
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834  
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/indigo-96d2da3 @ 8413272d46f8aa0bc967ed7048b6a8f994abb95  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a  
third_party/pantheon-tunnel @ cbfce6db5ff5740dafe1771f813cd646339e1952  
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 2 to Mexico, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 to Mexico, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



4

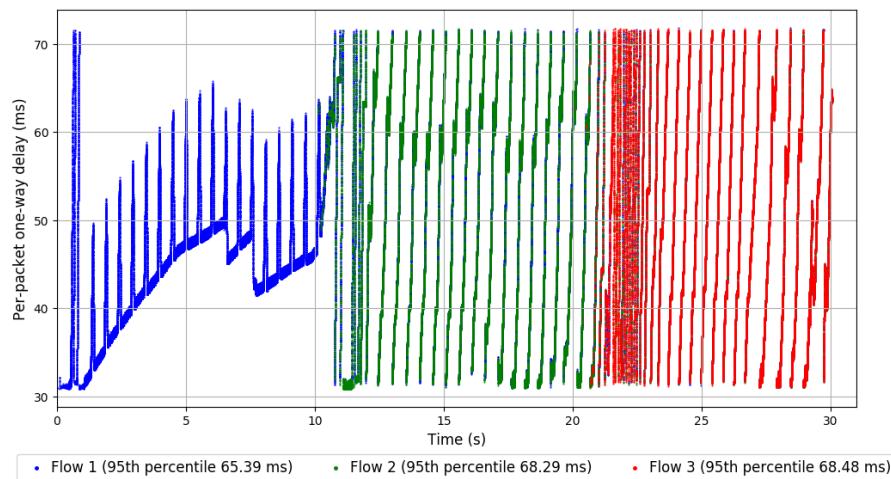
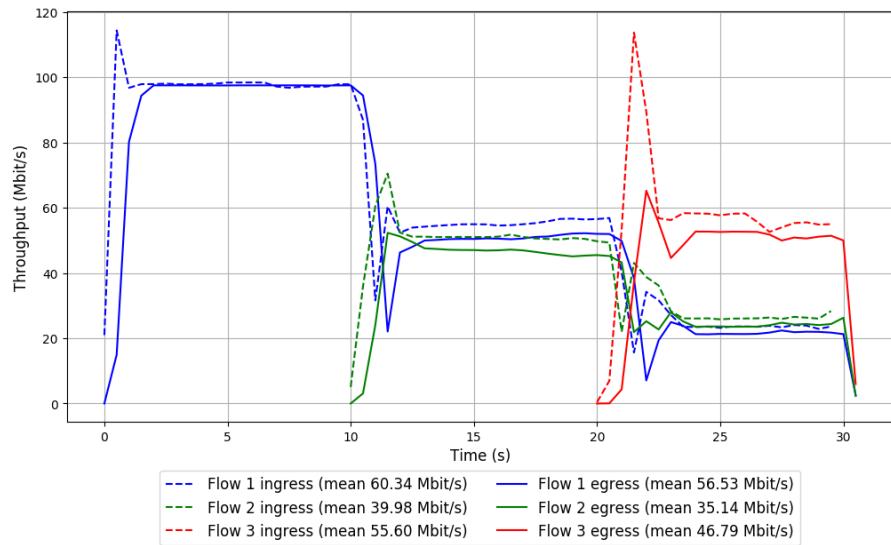
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	60.81	33.52	37.52	66.10	68.21	68.45	6.63	10.78	14.78
Copa	5	0.00	10.01	5.53	30.84	31.94	30.98	98.83	72.40	80.69
TCP Cubic	5	69.35	28.07	23.13	65.25	66.31	65.93	0.96	0.56	0.68
FillP	5	59.73	35.99	34.69	67.99	68.94	69.46	22.92	32.10	43.00
FillP-Sheep	5	57.78	39.57	33.36	65.76	68.37	68.54	13.41	25.13	30.21
Indigo	5	65.36	29.50	33.40	45.24	50.80	54.69	0.04	0.09	0.00
Indigo-96d2da3	5	36.14	35.03	17.95	68.46	68.66	68.11	58.55	59.56	61.69
LEDBAT	5	37.57	31.64	16.79	63.34	64.62	63.41	0.20	0.13	0.17
Indigo-Muses	5	58.24	31.99	45.93	43.19	43.20	40.27	0.19	0.02	0.02
PCC-Allegro	5	80.67	11.67	8.53	63.28	65.19	61.66	3.02	3.50	2.58
PCC-Expr	5	8.23	4.44	5.67	31.02	31.06	31.06	47.25	41.46	30.32
QUIC Cubic	5	61.41	24.34	15.59	66.81	67.27	66.81	2.61	0.98	0.80
SCReAM	5	0.21	0.21	0.22	30.93	30.94	30.99	0.00	0.00	0.00
Sprout	5	11.78	11.75	11.49	37.07	37.72	38.28	0.01	0.00	0.03
TaoVA-100x	5	5.48	7.94	5.36	31.71	31.08	30.93	85.40	78.10	83.94
TCP Vegas	5	69.43	25.48	18.11	43.20	40.62	38.49	0.50	0.09	0.02
Verus	5	38.86	24.78	25.23	82.46	67.01	59.74	39.39	40.37	42.30
PCC-Vivace	5	62.07	27.80	13.31	45.65	43.93	46.82	0.08	0.06	0.02
WebRTC media	5	1.93	1.24	0.42	31.74	32.41	33.32	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-09-25 08:12:50
End at: 2018-09-25 08:13:20
Local clock offset: 0.826 ms
Remote clock offset: -3.909 ms

# Below is generated by plot.py at 2018-09-25 10:23:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 66.939 ms
Loss rate: 9.37%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 65.392 ms
Loss rate: 6.22%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 68.287 ms
Loss rate: 12.03%
-- Flow 3:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 68.476 ms
Loss rate: 15.85%
```

Run 1: Report of TCP BBR — Data Link

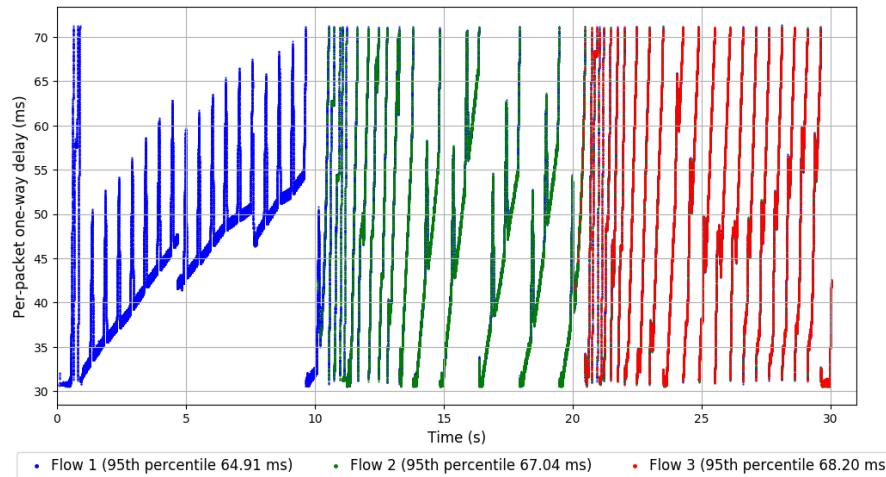
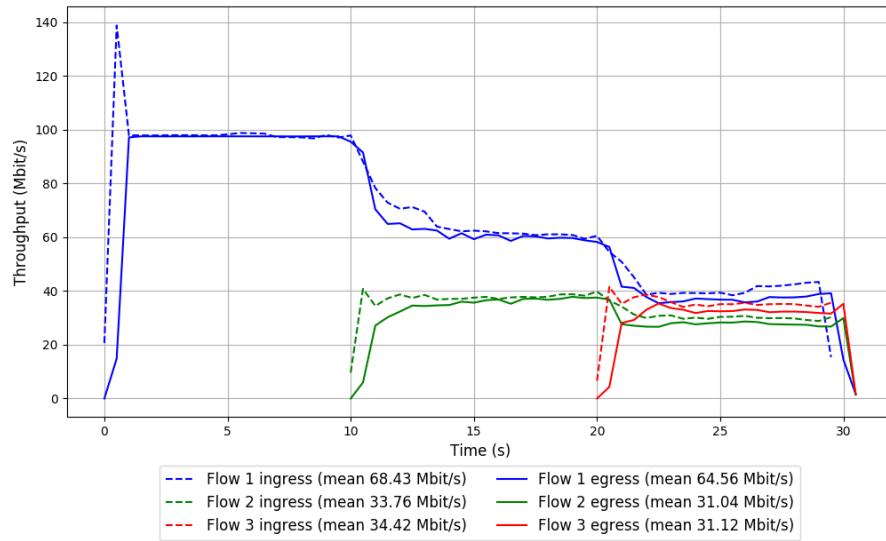


Run 2: Statistics of TCP BBR

```
Start at: 2018-09-25 08:38:39
End at: 2018-09-25 08:39:09
Local clock offset: 3.937 ms
Remote clock offset: -4.17 ms

# Below is generated by plot.py at 2018-09-25 10:23:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 66.053 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 64.909 ms
Loss rate: 5.61%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 67.042 ms
Loss rate: 8.02%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 68.200 ms
Loss rate: 9.57%
```

Run 2: Report of TCP BBR — Data Link

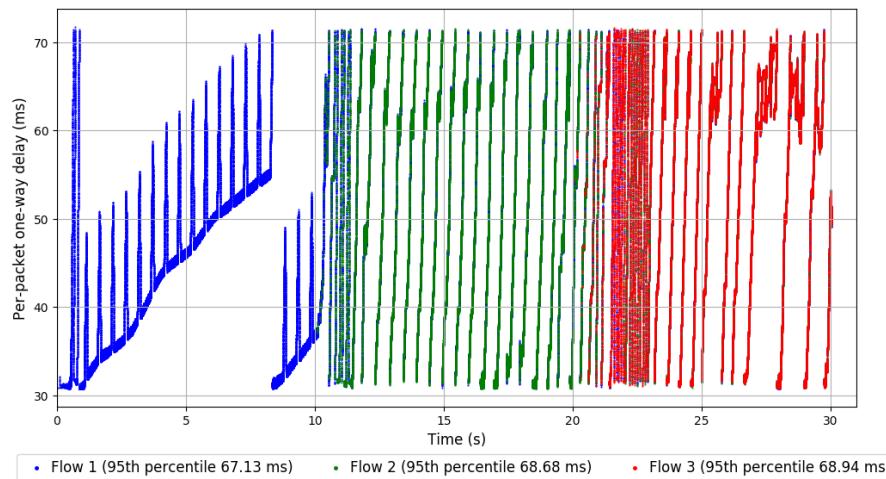
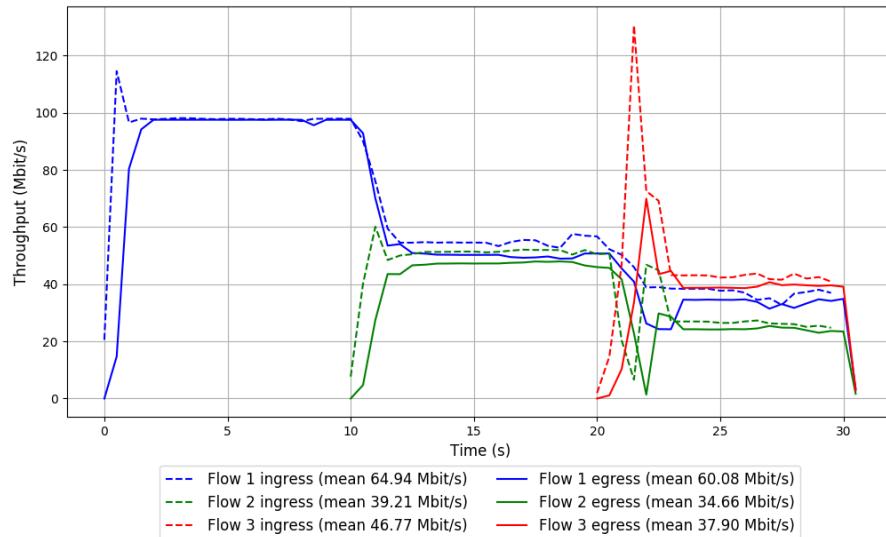


Run 3: Statistics of TCP BBR

```
Start at: 2018-09-25 09:04:24
End at: 2018-09-25 09:04:55
Local clock offset: 3.574 ms
Remote clock offset: -3.766 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 67.991 ms
Loss rate: 10.12%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 67.127 ms
Loss rate: 7.42%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 68.682 ms
Loss rate: 11.56%
-- Flow 3:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 68.944 ms
Loss rate: 18.99%
```

Run 3: Report of TCP BBR — Data Link

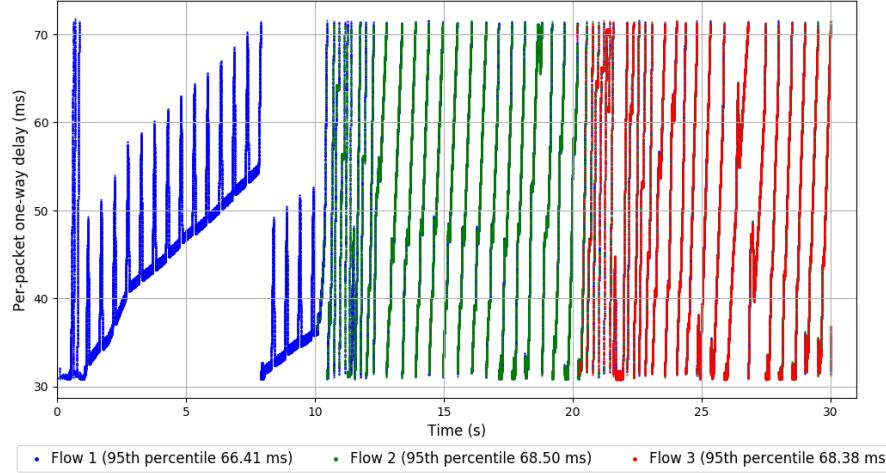
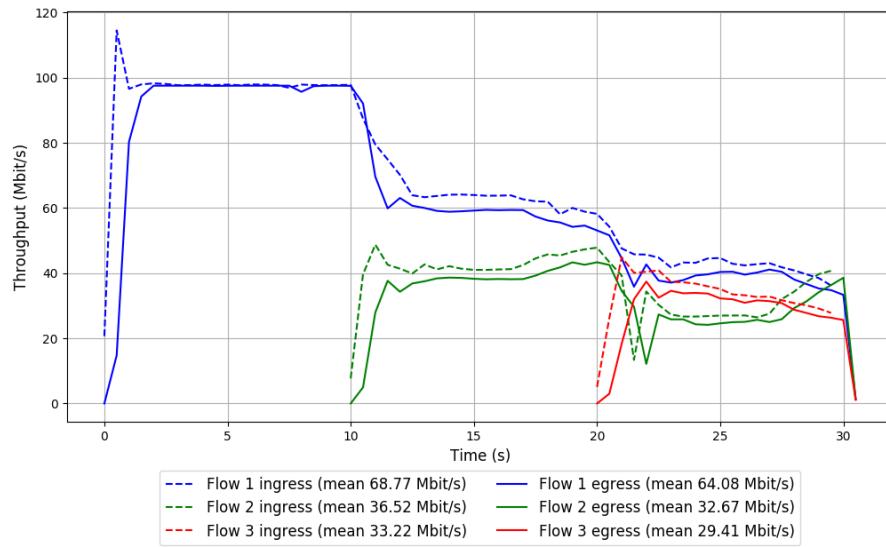


Run 4: Statistics of TCP BBR

```
Start at: 2018-09-25 09:30:11
End at: 2018-09-25 09:30:41
Local clock offset: 0.039 ms
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 67.300 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 66.407 ms
Loss rate: 6.80%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 68.505 ms
Loss rate: 10.54%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 68.378 ms
Loss rate: 11.66%
```

Run 4: Report of TCP BBR — Data Link

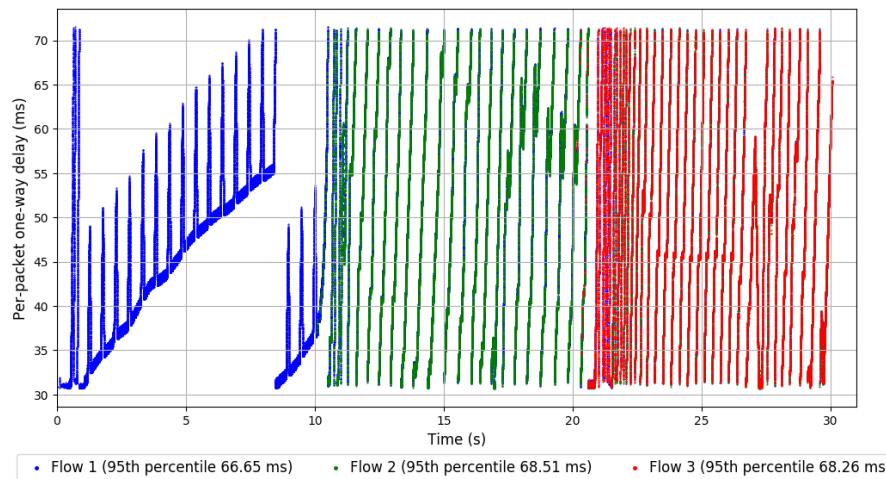
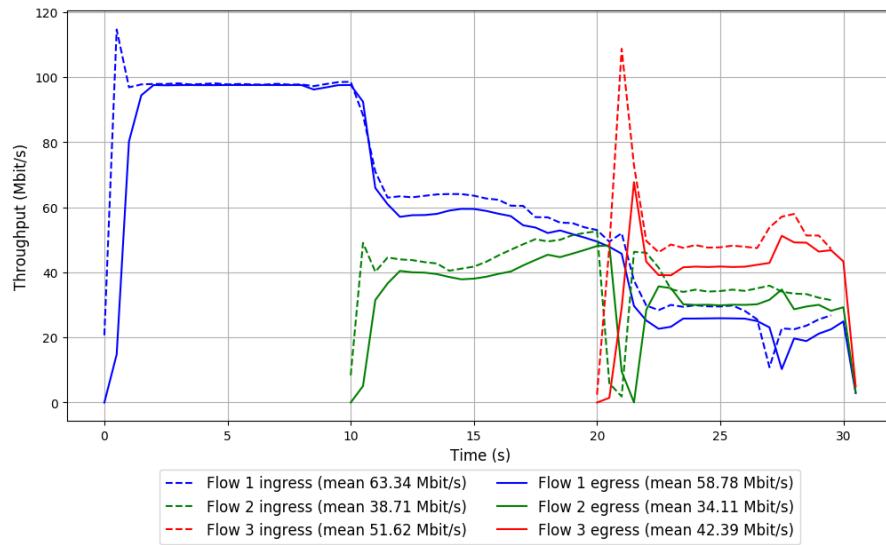


Run 5: Statistics of TCP BBR

```
Start at: 2018-09-25 09:56:02
End at: 2018-09-25 09:56:32
Local clock offset: -0.09 ms
Remote clock offset: -3.532 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 67.476 ms
Loss rate: 9.96%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 66.649 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 68.509 ms
Loss rate: 11.74%
-- Flow 3:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 68.264 ms
Loss rate: 17.81%
```

Run 5: Report of TCP BBR — Data Link

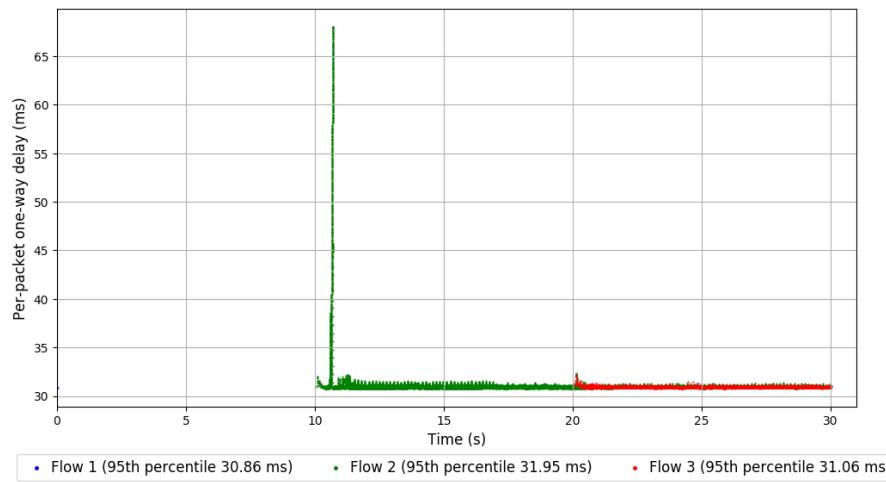
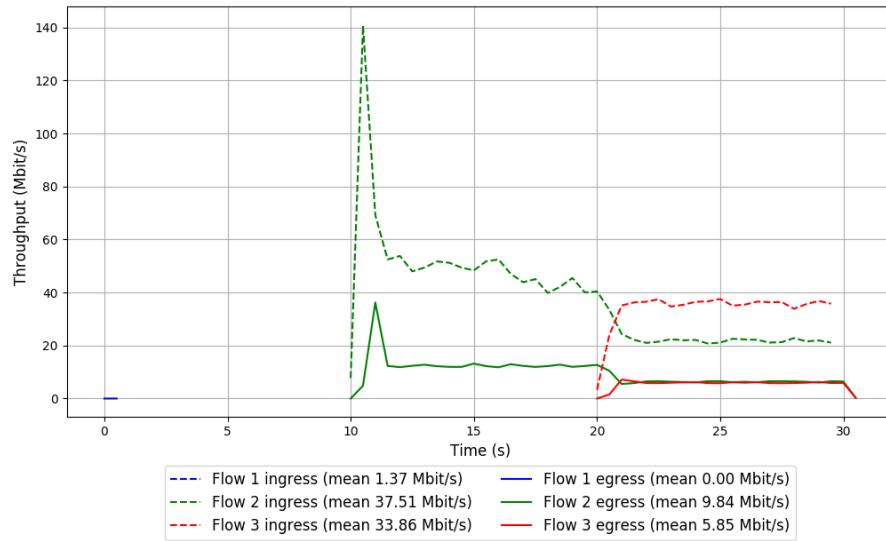


Run 1: Statistics of Copa

```
Start at: 2018-09-25 08:33:15
End at: 2018-09-25 08:33:45
Local clock offset: 3.684 ms
Remote clock offset: -3.954 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 31.424 ms
Loss rate: 76.55%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.858 ms
Loss rate: 98.95%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 31.955 ms
Loss rate: 73.76%
-- Flow 3:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 31.060 ms
Loss rate: 82.72%
```

Run 1: Report of Copa — Data Link

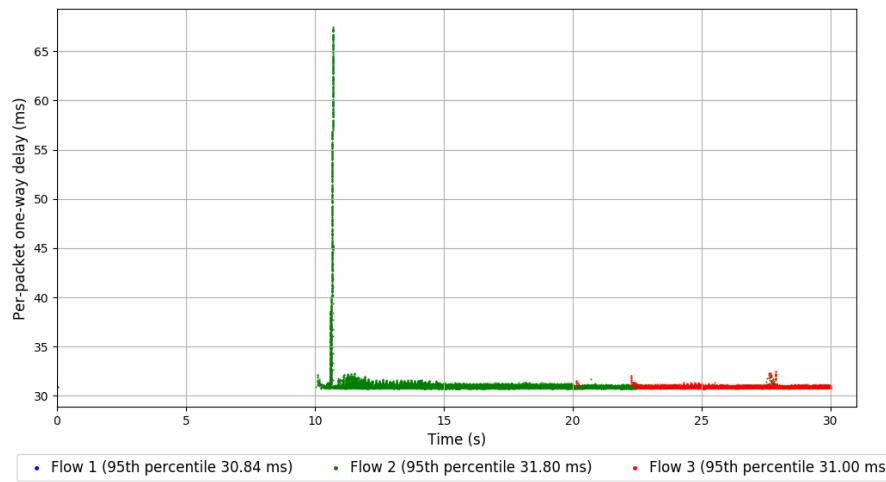
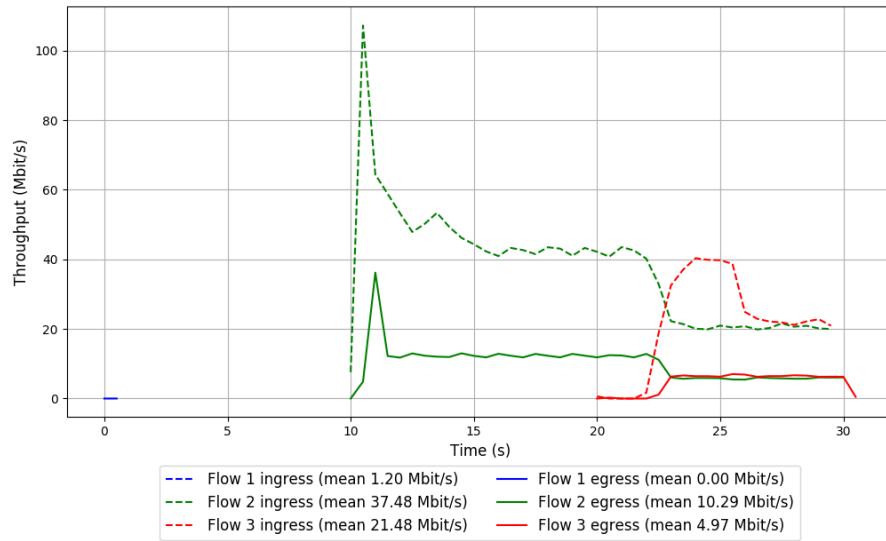


Run 2: Statistics of Copa

```
Start at: 2018-09-25 08:59:02
End at: 2018-09-25 08:59:32
Local clock offset: 3.539 ms
Remote clock offset: -3.781 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 73.51%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.844 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 10.29 Mbit/s
95th percentile per-packet one-way delay: 31.796 ms
Loss rate: 72.54%
-- Flow 3:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 30.999 ms
Loss rate: 76.86%
```

Run 2: Report of Copa — Data Link

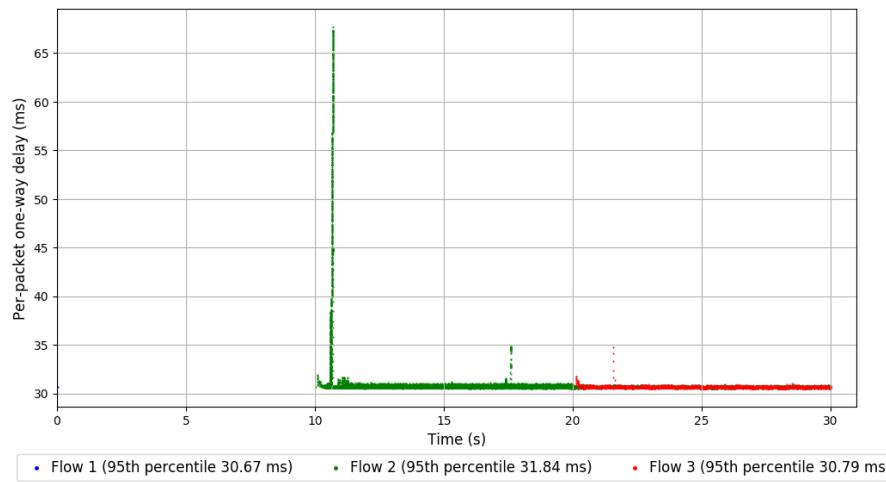
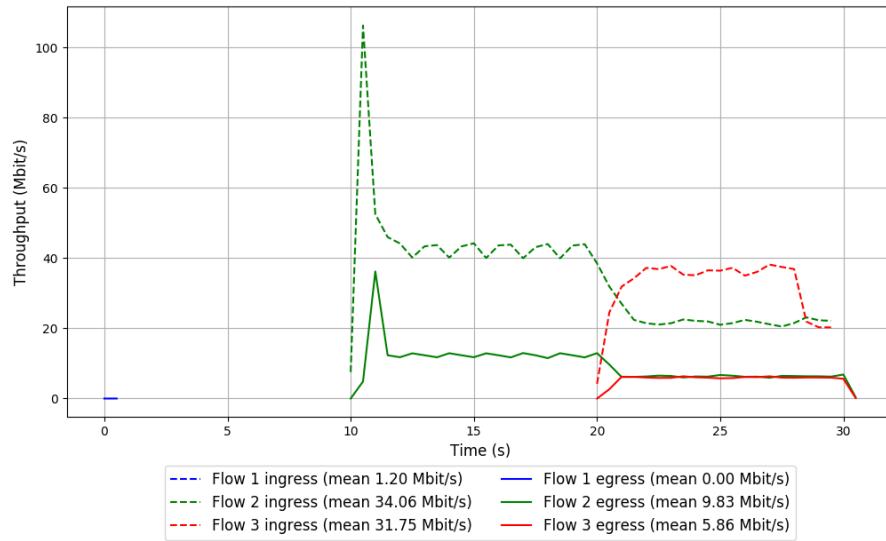


Run 3: Statistics of Copa

```
Start at: 2018-09-25 09:24:49
End at: 2018-09-25 09:25:19
Local clock offset: 0.452 ms
Remote clock offset: -3.771 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 74.45%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.674 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 31.841 ms
Loss rate: 71.14%
-- Flow 3:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 30.787 ms
Loss rate: 81.56%
```

Run 3: Report of Copa — Data Link

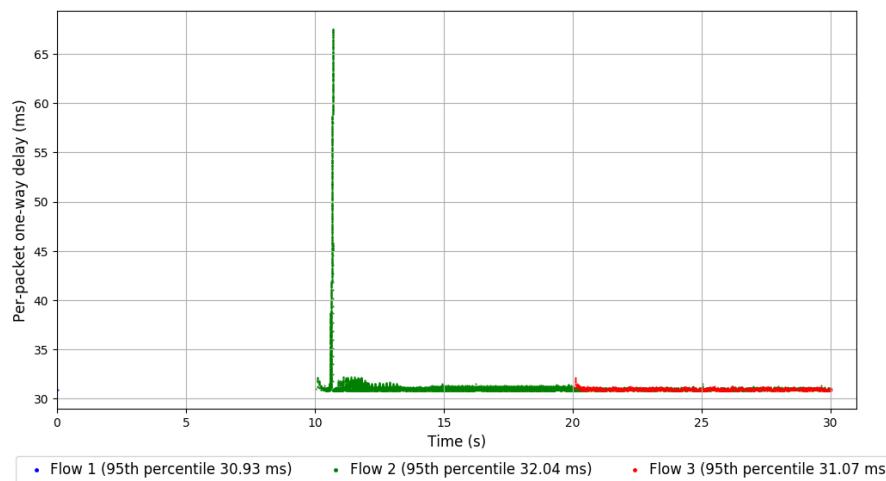
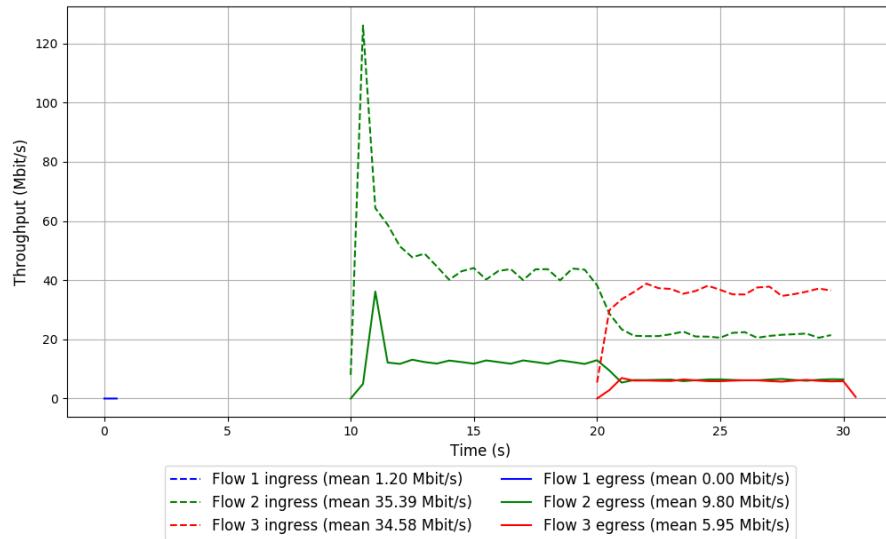


Run 4: Statistics of Copa

```
Start at: 2018-09-25 09:50:38
End at: 2018-09-25 09:51:08
Local clock offset: -0.081 ms
Remote clock offset: -3.411 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 31.554 ms
Loss rate: 75.75%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.934 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 32.043 ms
Loss rate: 72.30%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 31.065 ms
Loss rate: 82.81%
```

Run 4: Report of Copa — Data Link

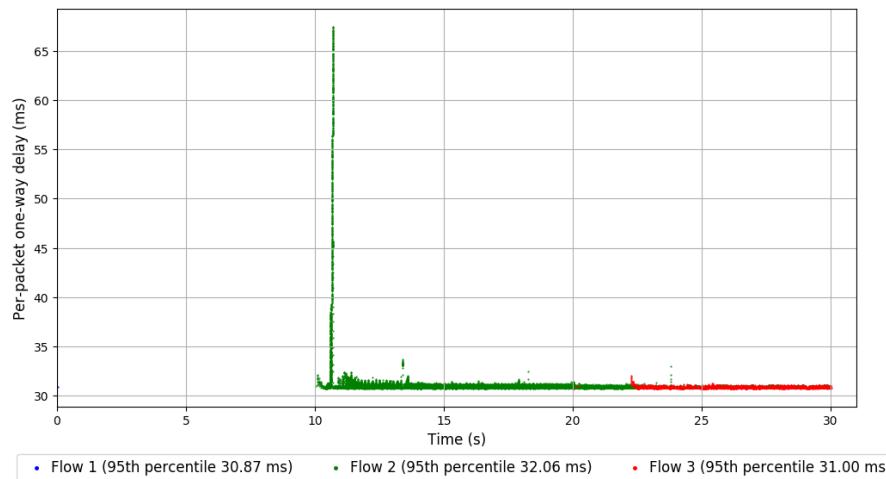
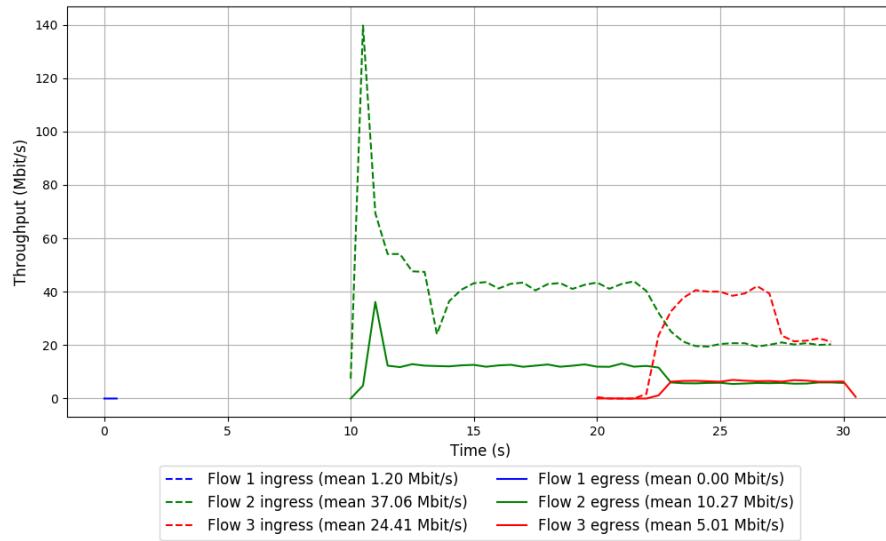


Run 5: Statistics of Copa

```
Start at: 2018-09-25 10:16:31
End at: 2018-09-25 10:17:01
Local clock offset: 0.01 ms
Remote clock offset: -3.353 ms

# Below is generated by plot.py at 2018-09-25 10:23:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 31.538 ms
Loss rate: 74.07%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 32.064 ms
Loss rate: 72.28%
-- Flow 3:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 31.005 ms
Loss rate: 79.48%
```

Run 5: Report of Copa — Data Link

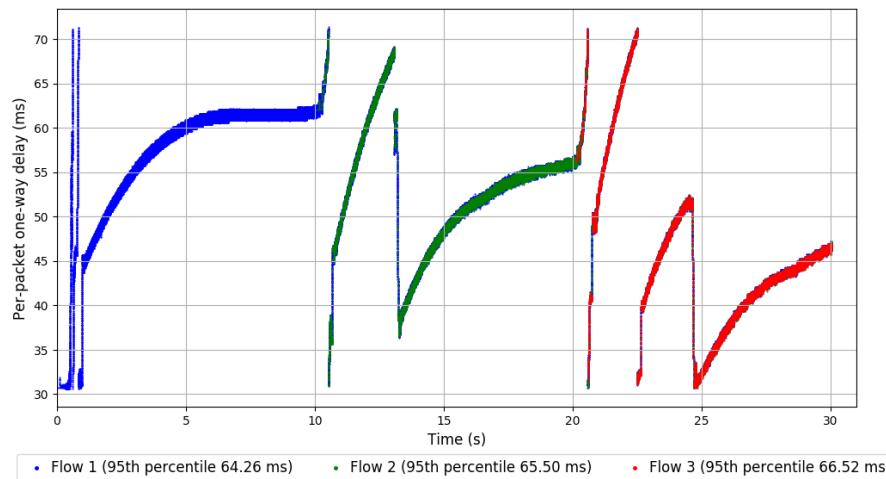
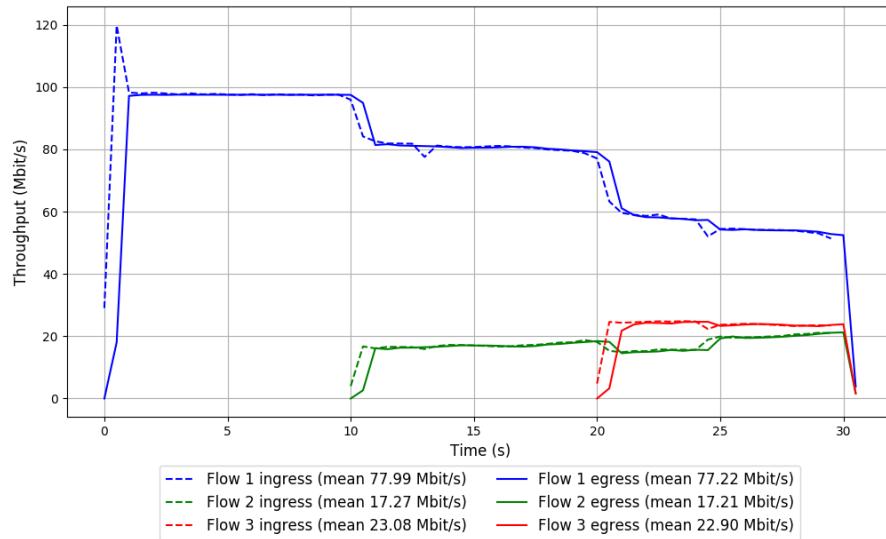


```
Run 1: Statistics of TCP Cubic

Start at: 2018-09-25 08:23:42
End at: 2018-09-25 08:24:12
Local clock offset: 2.905 ms
Remote clock offset: -4.197 ms

# Below is generated by plot.py at 2018-09-25 10:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 64.553 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 64.257 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 65.500 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 22.90 Mbit/s
95th percentile per-packet one-way delay: 66.516 ms
Loss rate: 0.90%
```

Run 1: Report of TCP Cubic — Data Link

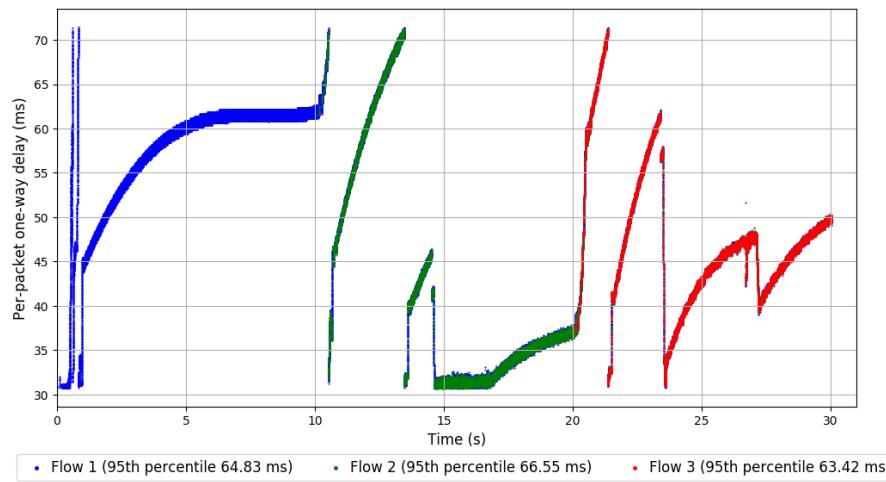
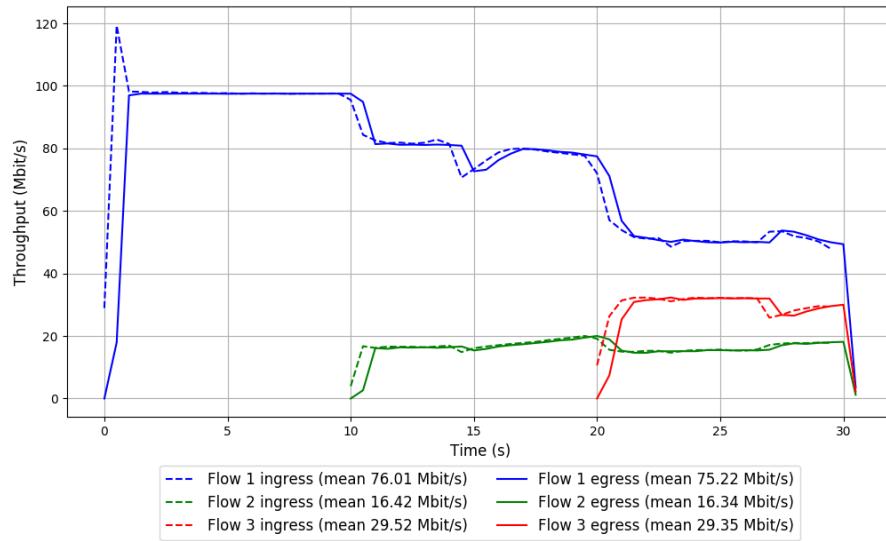


Run 2: Statistics of TCP Cubic

```
Start at: 2018-09-25 08:49:33
End at: 2018-09-25 08:50:03
Local clock offset: 3.559 ms
Remote clock offset: -3.866 ms

# Below is generated by plot.py at 2018-09-25 10:24:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 65.004 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 64.826 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 66.548 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 63.421 ms
Loss rate: 0.44%
```

Run 2: Report of TCP Cubic — Data Link

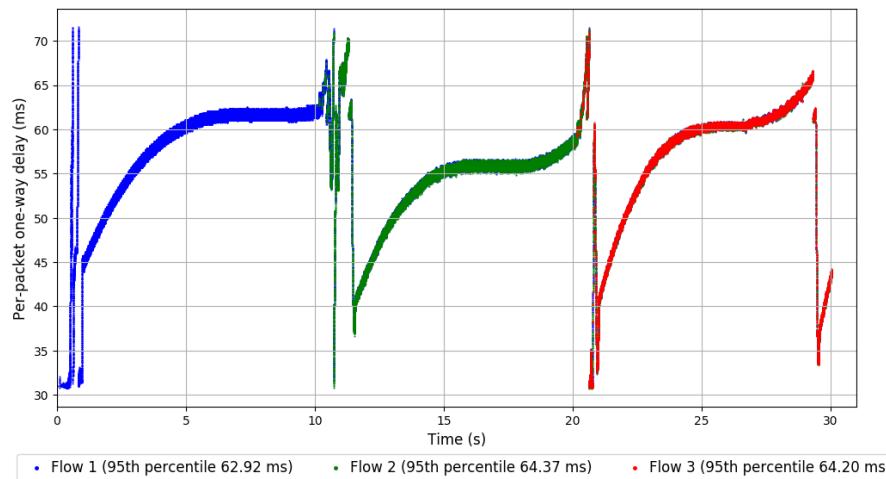
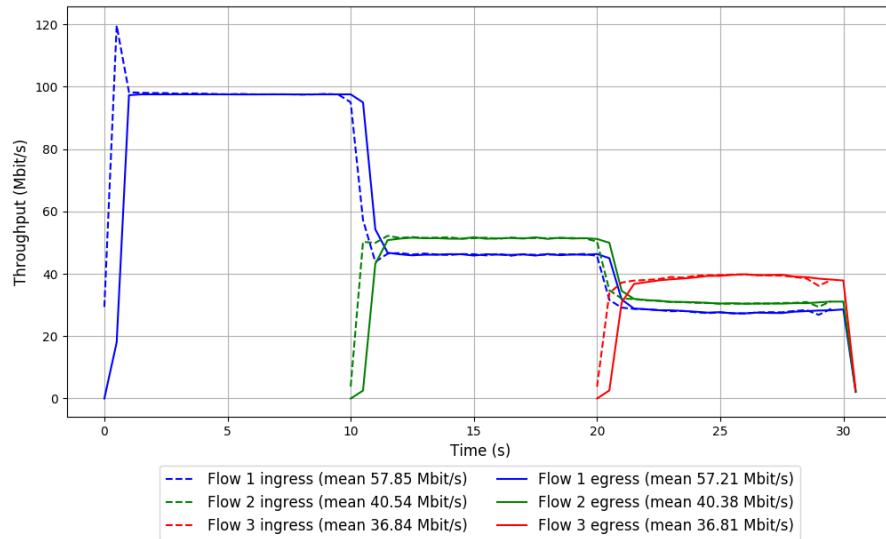


Run 3: Statistics of TCP Cubic

```
Start at: 2018-09-25 09:15:20
End at: 2018-09-25 09:15:50
Local clock offset: 1.885 ms
Remote clock offset: -3.45 ms

# Below is generated by plot.py at 2018-09-25 10:24:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 63.624 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 64.371 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 64.202 ms
Loss rate: 0.23%
```

Run 3: Report of TCP Cubic — Data Link

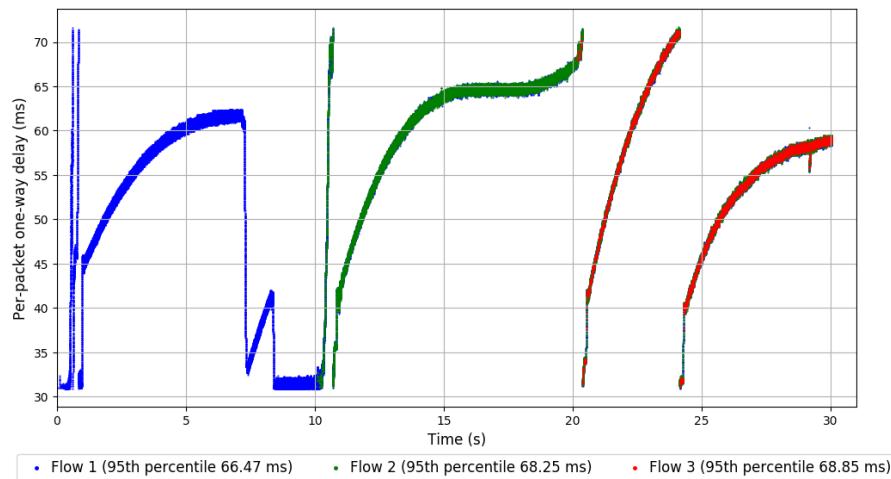
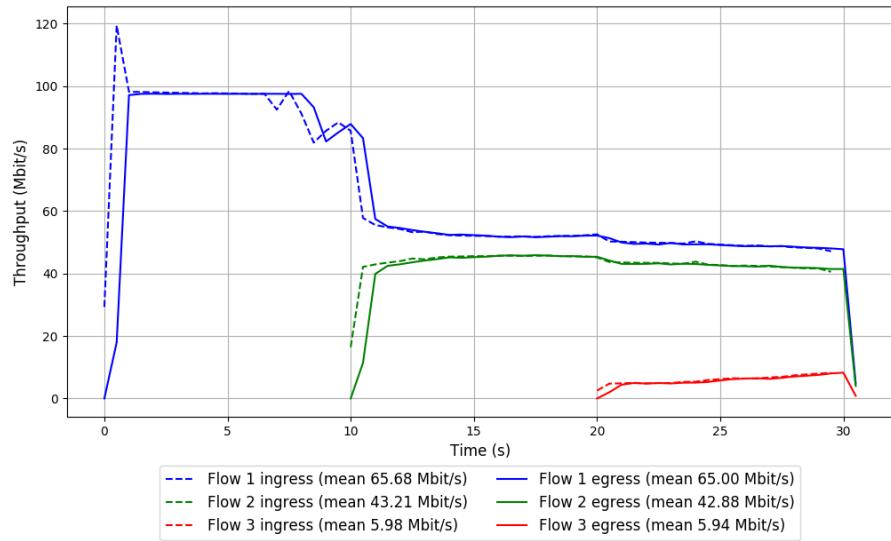


Run 4: Statistics of TCP Cubic

```
Start at: 2018-09-25 09:41:08
End at: 2018-09-25 09:41:38
Local clock offset: -0.332 ms
Remote clock offset: -3.447 ms

# Below is generated by plot.py at 2018-09-25 10:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 67.119 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 66.471 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 68.254 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 68.849 ms
Loss rate: 0.70%
```

Run 4: Report of TCP Cubic — Data Link

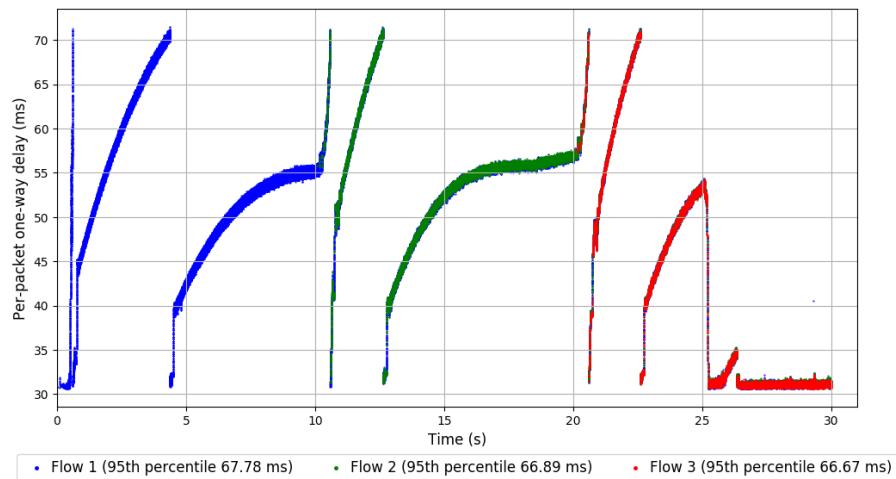
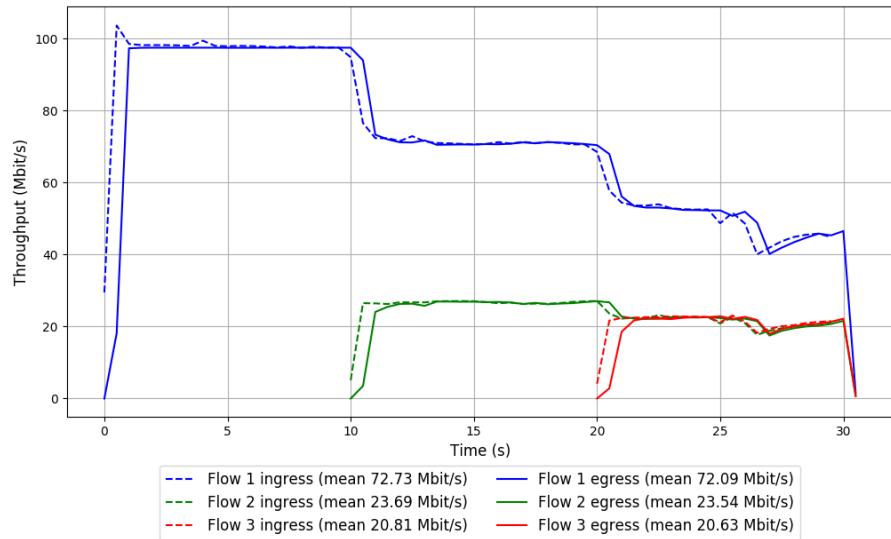


Run 5: Statistics of TCP Cubic

```
Start at: 2018-09-25 10:07:00
End at: 2018-09-25 10:07:30
Local clock offset: -0.217 ms
Remote clock offset: -3.454 ms

# Below is generated by plot.py at 2018-09-25 10:24:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 67.588 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 72.09 Mbit/s
95th percentile per-packet one-way delay: 67.784 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 66.894 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 66.673 ms
Loss rate: 1.11%
```

Run 5: Report of TCP Cubic — Data Link

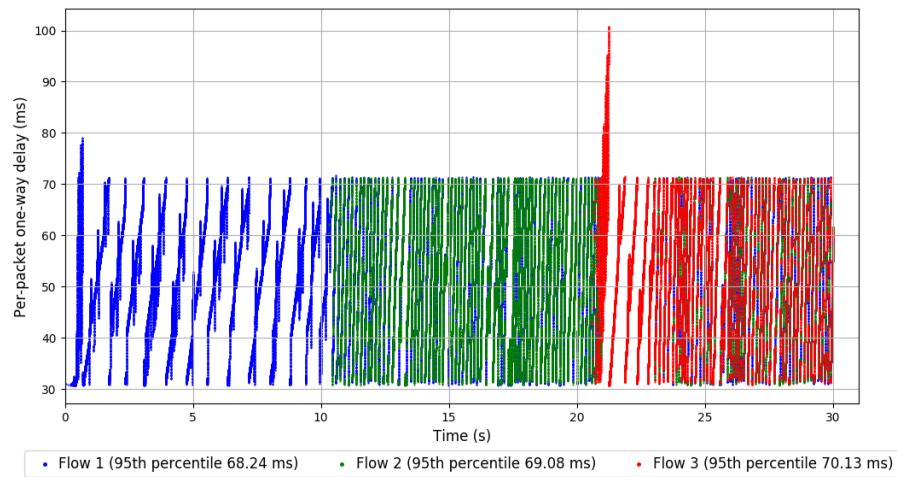
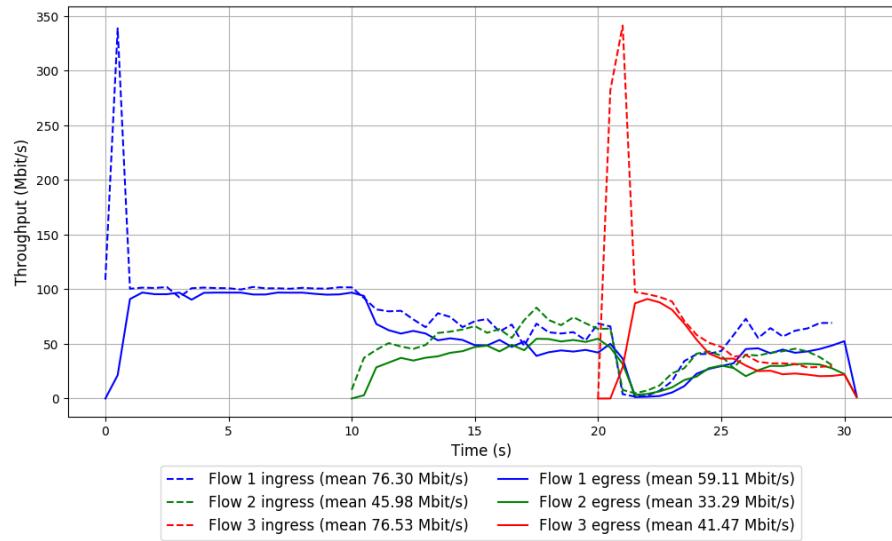


```
Run 1: Statistics of FillP

Start at: 2018-09-25 08:26:22
End at: 2018-09-25 08:26:52
Local clock offset: 3.151 ms
Remote clock offset: -3.95 ms

# Below is generated by plot.py at 2018-09-25 10:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 68.767 ms
Loss rate: 28.10%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 68.241 ms
Loss rate: 22.45%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 69.082 ms
Loss rate: 27.55%
-- Flow 3:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 70.127 ms
Loss rate: 45.73%
```

Run 1: Report of FillP — Data Link

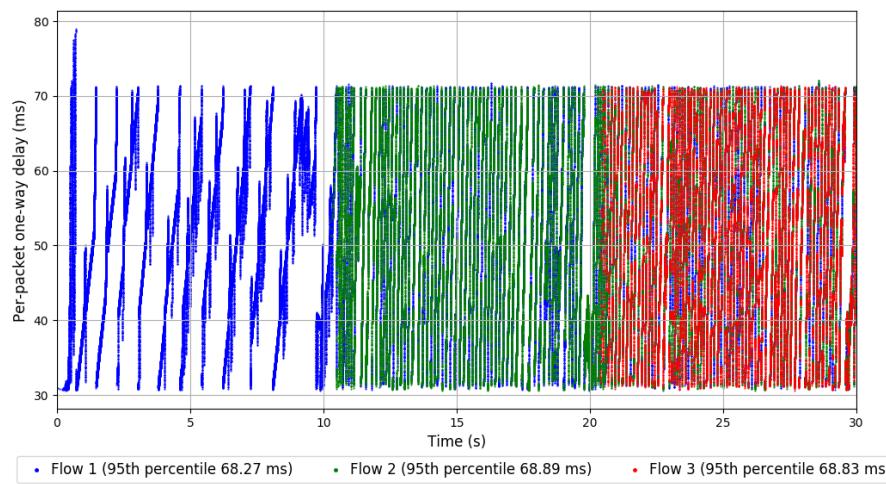
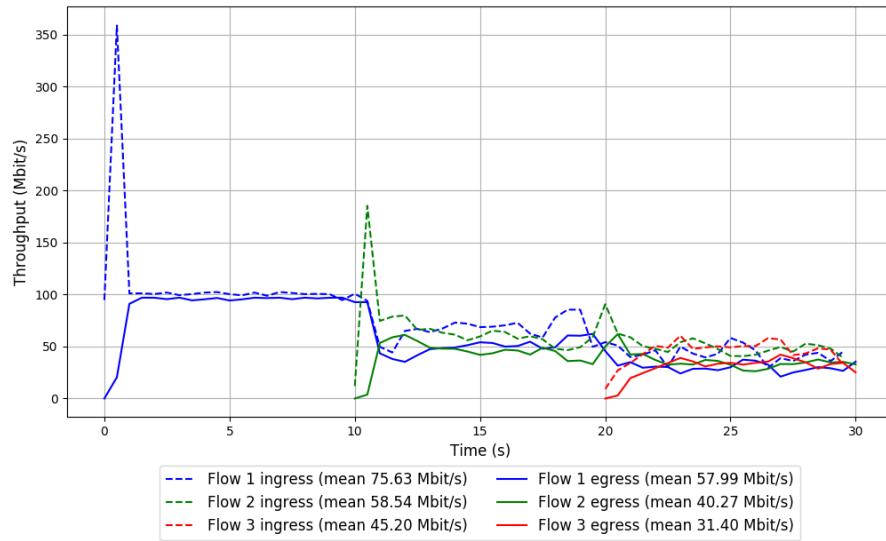


Run 2: Statistics of FillP

```
Start at: 2018-09-25 08:52:13
End at: 2018-09-25 08:52:43
Local clock offset: 3.516 ms
Remote clock offset: -3.793 ms

# Below is generated by plot.py at 2018-09-25 10:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 68.534 ms
Loss rate: 26.53%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 68.266 ms
Loss rate: 23.31%
-- Flow 2:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 68.892 ms
Loss rate: 31.23%
-- Flow 3:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 68.831 ms
Loss rate: 30.59%
```

Run 2: Report of FillP — Data Link

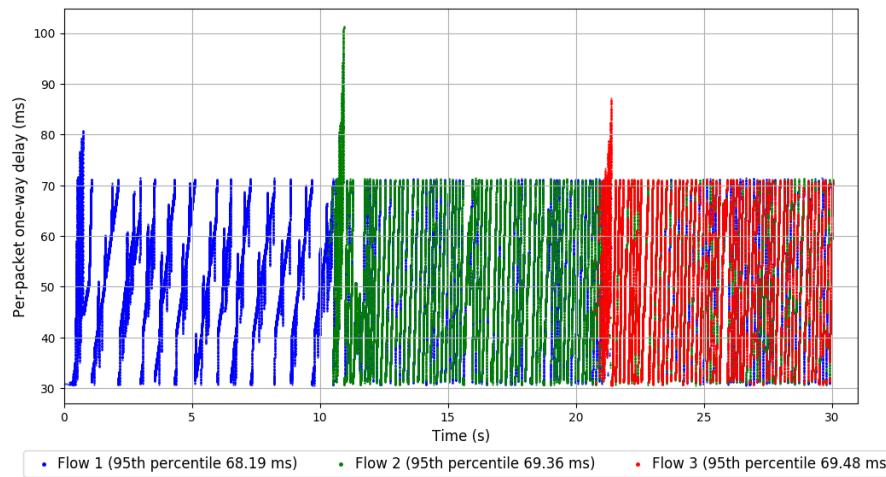
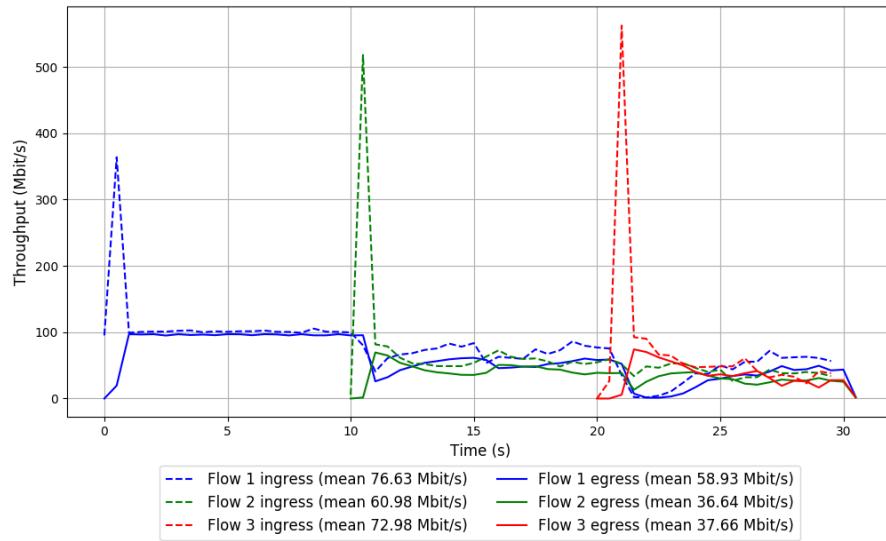


```
Run 3: Statistics of FillP

Start at: 2018-09-25 09:18:00
End at: 2018-09-25 09:18:30
Local clock offset: 1.328 ms
Remote clock offset: -3.556 ms

# Below is generated by plot.py at 2018-09-25 10:25:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 68.697 ms
Loss rate: 32.55%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 68.191 ms
Loss rate: 23.01%
-- Flow 2:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 69.362 ms
Loss rate: 39.88%
-- Flow 3:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 69.484 ms
Loss rate: 50.46%
```

Run 3: Report of FillP — Data Link

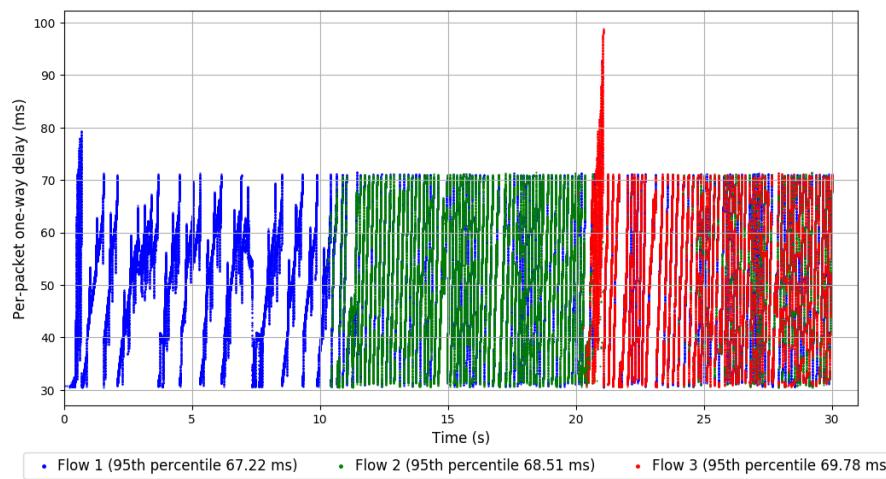
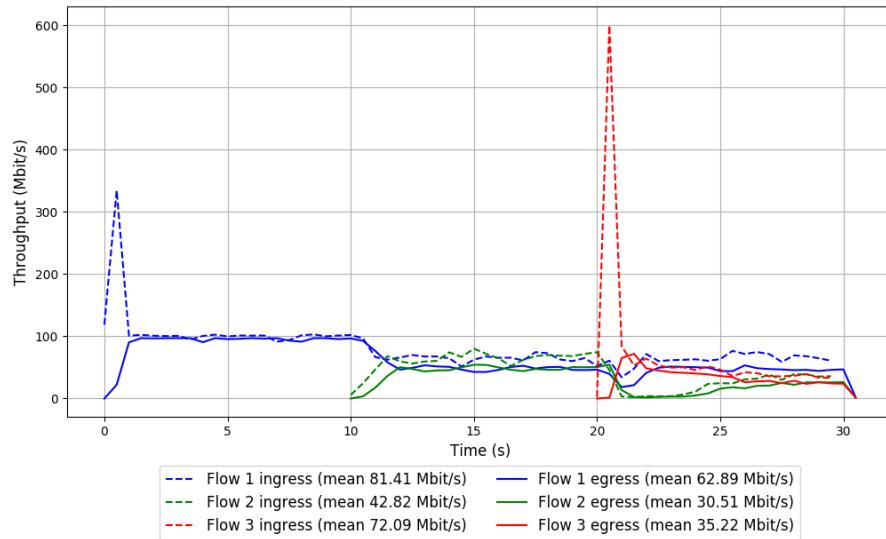


Run 4: Statistics of FillP

```
Start at: 2018-09-25 09:43:49
End at: 2018-09-25 09:44:19
Local clock offset: -0.227 ms
Remote clock offset: -3.681 ms

# Below is generated by plot.py at 2018-09-25 10:25:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 68.027 ms
Loss rate: 29.02%
-- Flow 1:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 67.222 ms
Loss rate: 22.65%
-- Flow 2:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 68.511 ms
Loss rate: 28.64%
-- Flow 3:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 69.779 ms
Loss rate: 51.12%
```

Run 4: Report of FillP — Data Link

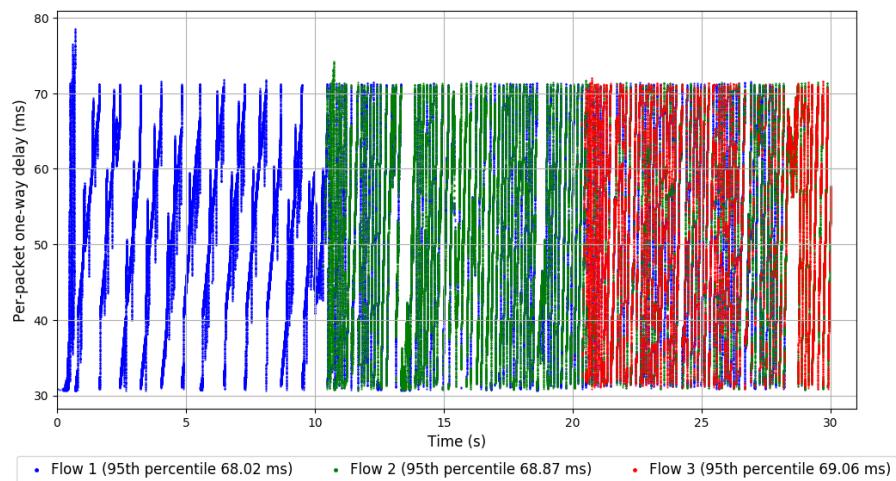
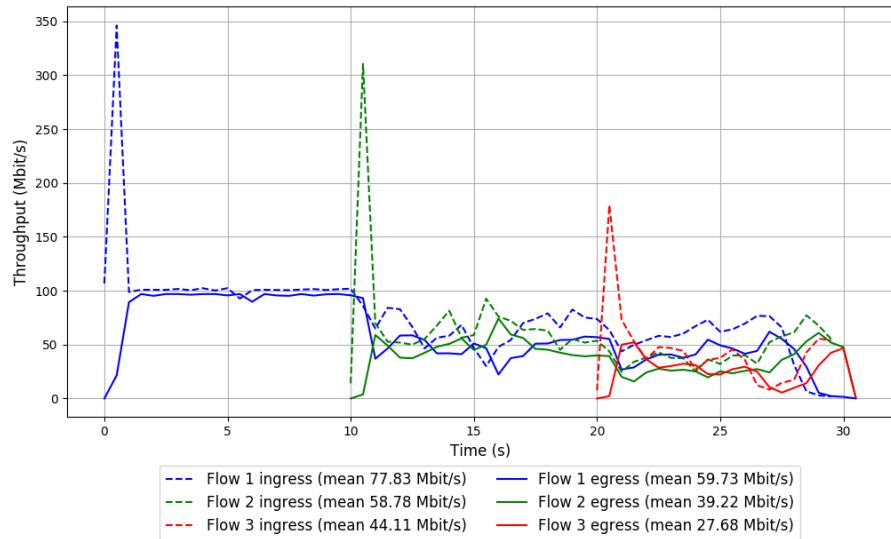


```
Run 5: Statistics of FillP
```

```
Start at: 2018-09-25 10:09:41
End at: 2018-09-25 10:10:11
Local clock offset: -0.238 ms
Remote clock offset: -3.344 ms

# Below is generated by plot.py at 2018-09-25 10:25:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 68.429 ms
Loss rate: 27.72%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 68.024 ms
Loss rate: 23.19%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 68.867 ms
Loss rate: 33.22%
-- Flow 3:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 69.058 ms
Loss rate: 37.11%
```

Run 5: Report of FillP — Data Link

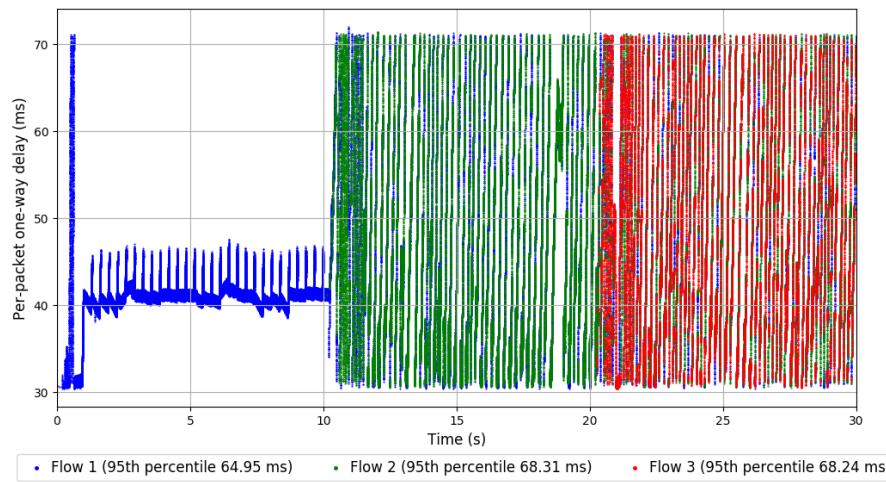
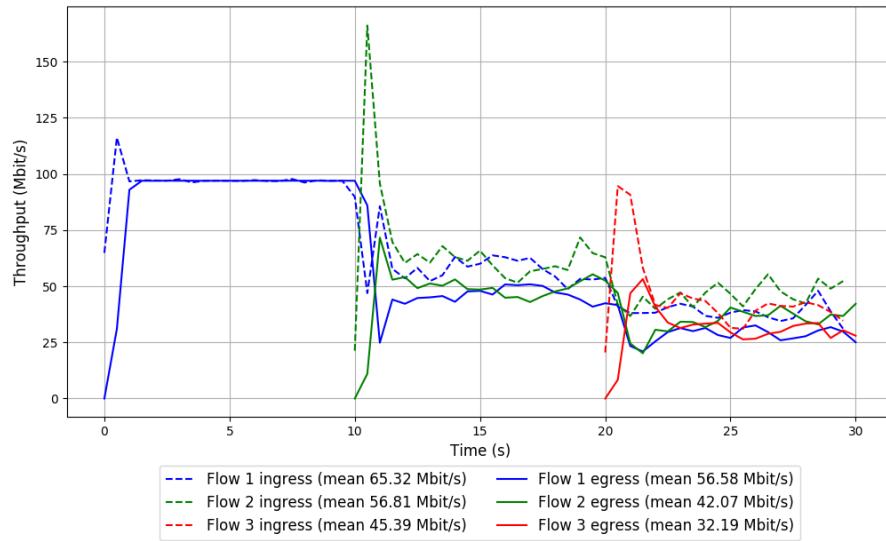


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2018-09-25 08:31:52
End at: 2018-09-25 08:32:22
Local clock offset: 3.588 ms
Remote clock offset: -4.12 ms

# Below is generated by plot.py at 2018-09-25 10:25:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 67.084 ms
Loss rate: 19.39%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 64.952 ms
Loss rate: 13.36%
-- Flow 2:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 68.310 ms
Loss rate: 25.95%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 68.240 ms
Loss rate: 29.10%
```

Run 1: Report of FillP-Sheep — Data Link

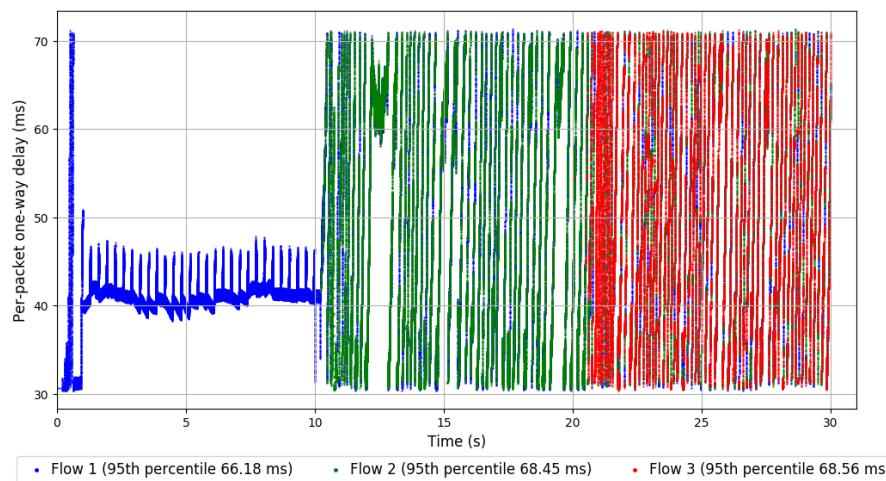
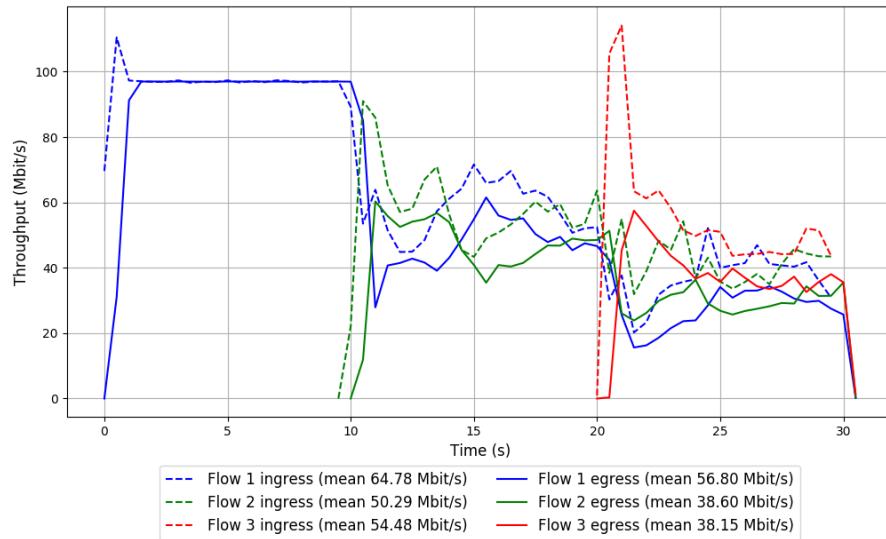


```
Run 2: Statistics of FillP-Sheep
```

```
Start at: 2018-09-25 08:57:39
End at: 2018-09-25 08:58:09
Local clock offset: 3.521 ms
Remote clock offset: -3.929 ms

# Below is generated by plot.py at 2018-09-25 10:26:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 67.537 ms
Loss rate: 18.16%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 66.181 ms
Loss rate: 12.26%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 23.18%
-- Flow 3:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 68.559 ms
Loss rate: 29.98%
```

Run 2: Report of FillP-Sheep — Data Link

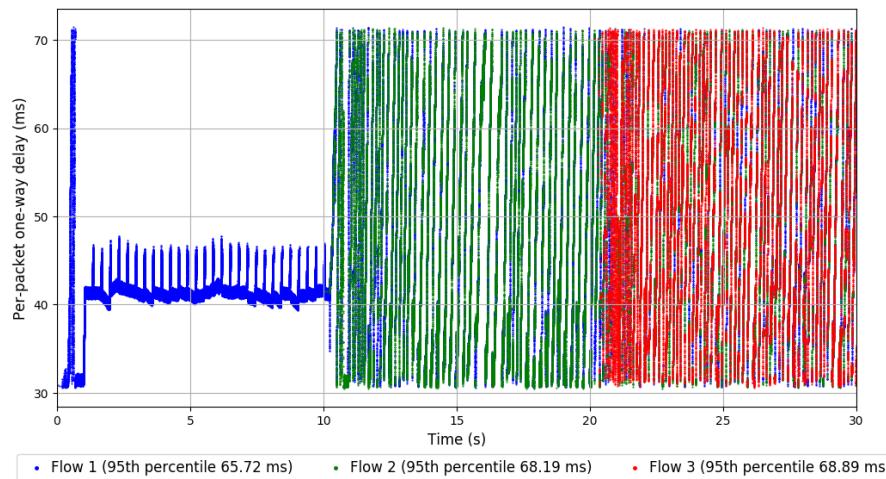
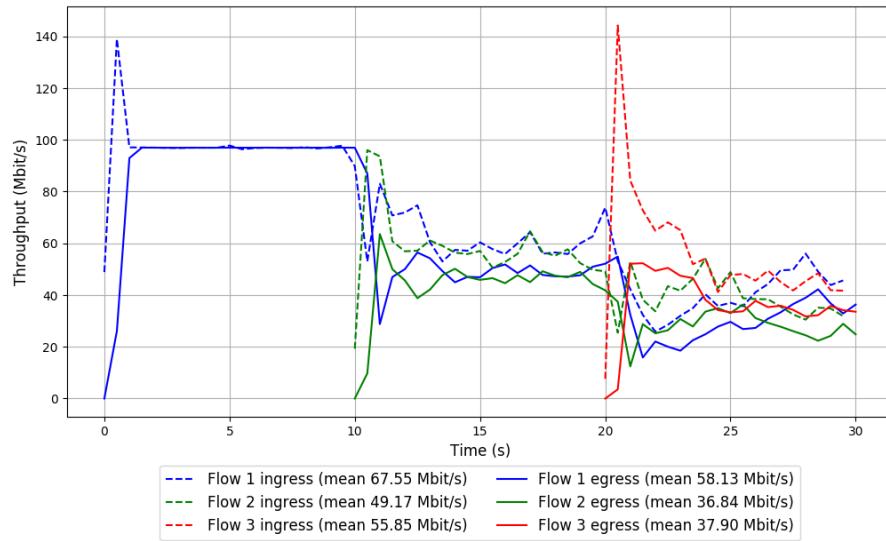


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:23:26
End at: 2018-09-25 09:23:56
Local clock offset: 0.583 ms
Remote clock offset: -3.588 ms

# Below is generated by plot.py at 2018-09-25 10:26:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 67.247 ms
Loss rate: 19.87%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 65.723 ms
Loss rate: 13.94%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 68.192 ms
Loss rate: 25.11%
-- Flow 3:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 68.888 ms
Loss rate: 32.20%
```

Run 3: Report of FillP-Sheep — Data Link

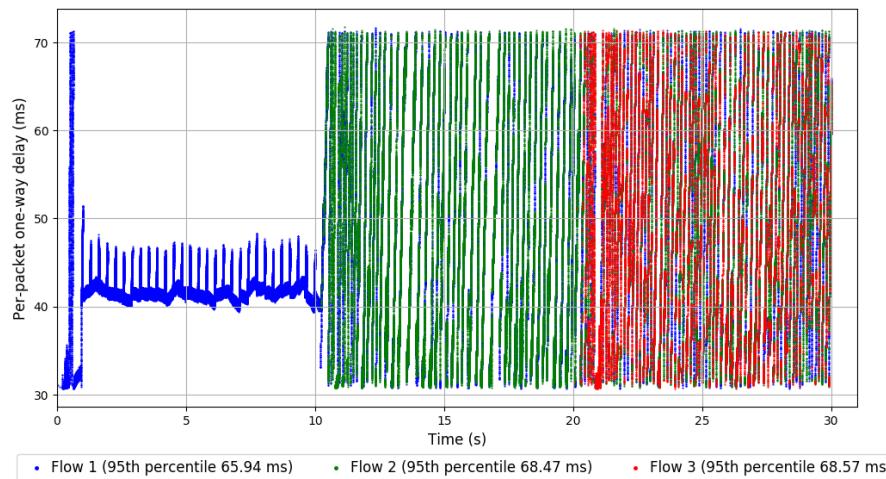
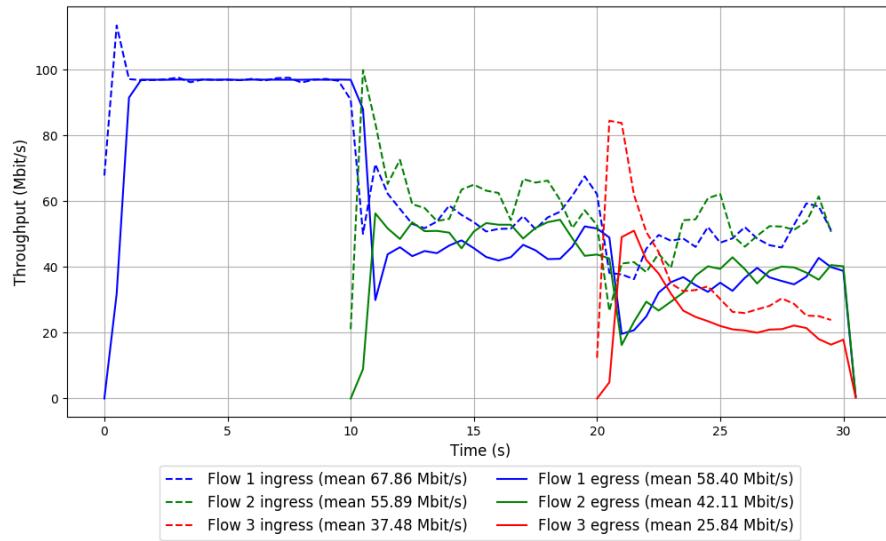


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:49:16
End at: 2018-09-25 09:49:46
Local clock offset: -0.086 ms
Remote clock offset: -3.391 ms

# Below is generated by plot.py at 2018-09-25 10:26:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 67.324 ms
Loss rate: 19.05%
-- Flow 1:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 65.939 ms
Loss rate: 13.85%
-- Flow 2:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 68.474 ms
Loss rate: 24.59%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 68.567 ms
Loss rate: 30.85%
```

Run 4: Report of FillP-Sheep — Data Link

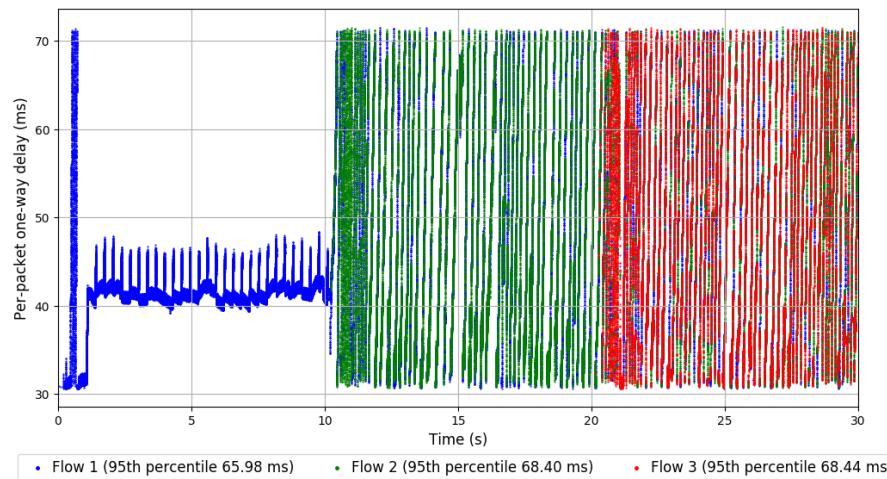
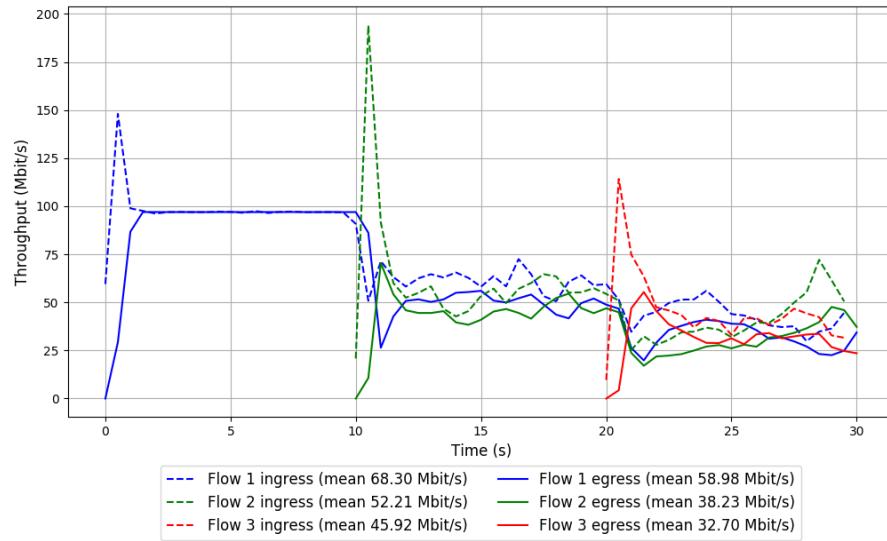


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-09-25 10:15:09
End at: 2018-09-25 10:15:39
Local clock offset: -0.019 ms
Remote clock offset: -3.328 ms

# Below is generated by plot.py at 2018-09-25 10:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 67.296 ms
Loss rate: 19.47%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 65.981 ms
Loss rate: 13.64%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 68.401 ms
Loss rate: 26.80%
-- Flow 3:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 68.441 ms
Loss rate: 28.91%
```

Run 5: Report of FillP-Sheep — Data Link

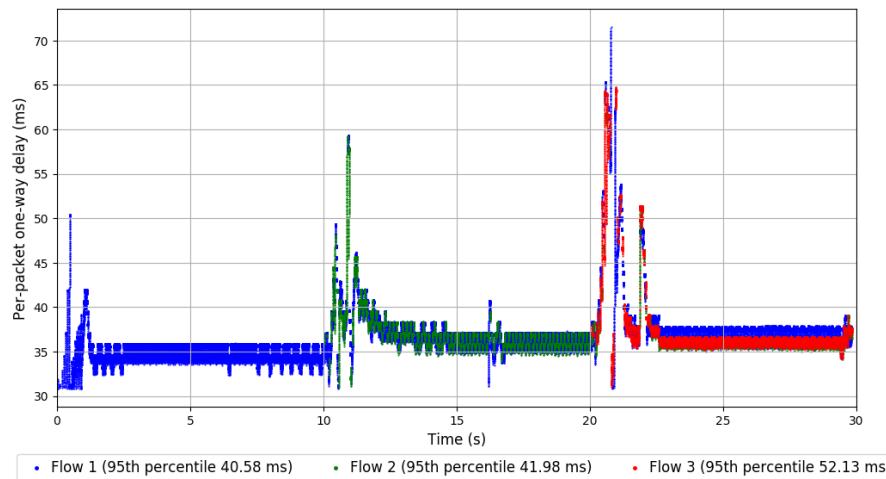
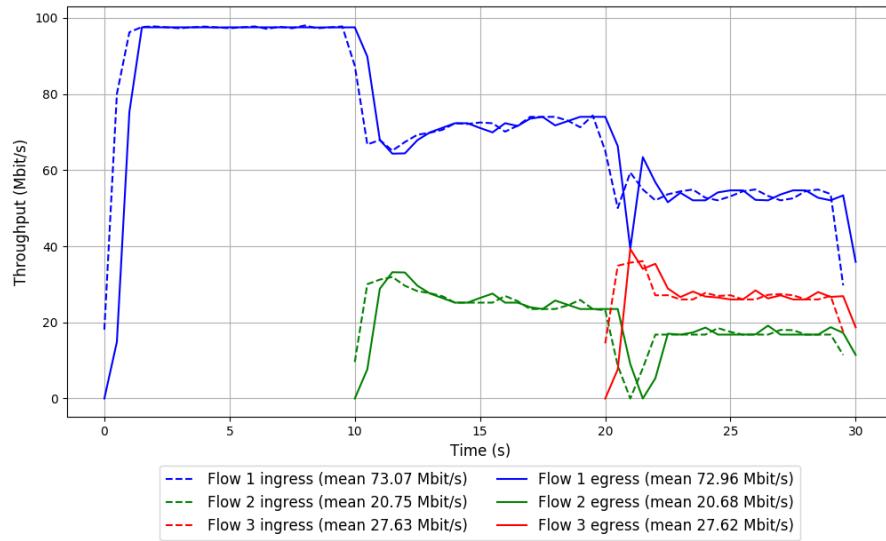


Run 1: Statistics of Indigo

```
Start at: 2018-09-25 08:19:33
End at: 2018-09-25 08:20:03
Local clock offset: 2.337 ms
Remote clock offset: -3.952 ms

# Below is generated by plot.py at 2018-09-25 10:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 41.765 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 40.576 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 41.976 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 52.128 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo — Data Link

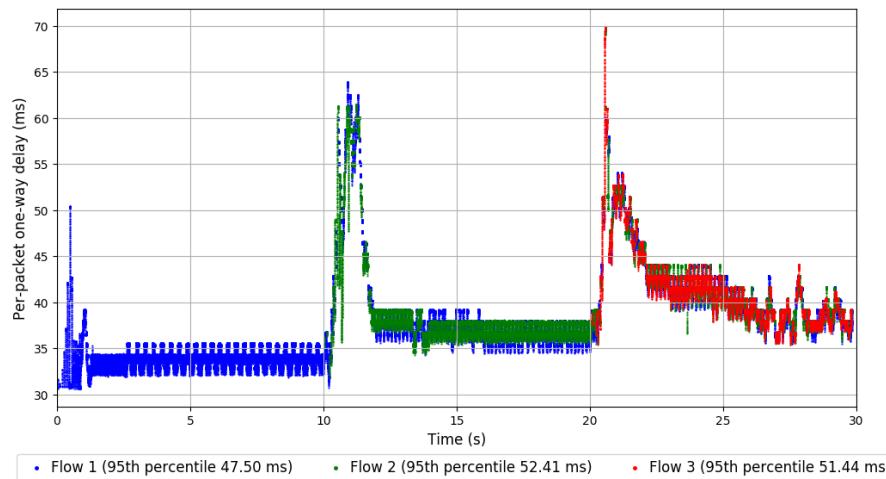
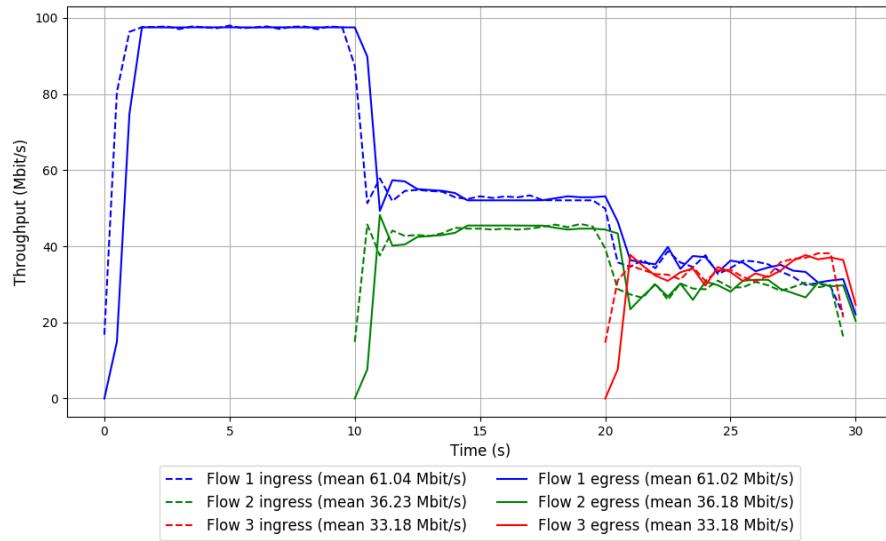


Run 2: Statistics of Indigo

```
Start at: 2018-09-25 08:45:23
End at: 2018-09-25 08:45:53
Local clock offset: 3.642 ms
Remote clock offset: -3.995 ms

# Below is generated by plot.py at 2018-09-25 10:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 50.188 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 51.436 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

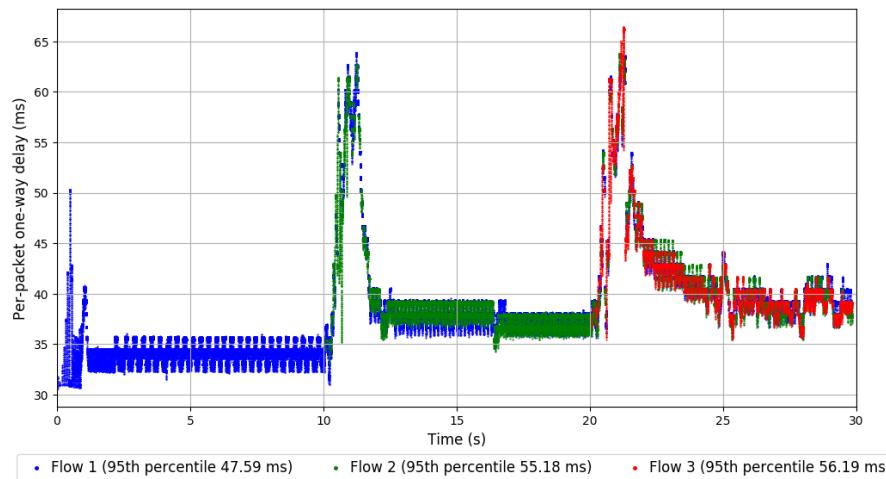
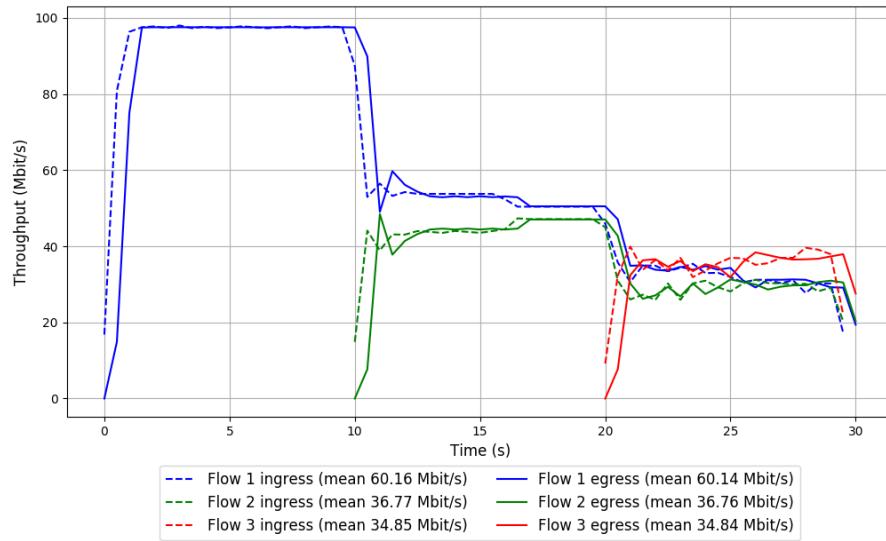


Run 3: Statistics of Indigo

```
Start at: 2018-09-25 09:11:09
End at: 2018-09-25 09:11:39
Local clock offset: 3.017 ms
Remote clock offset: -3.505 ms

# Below is generated by plot.py at 2018-09-25 10:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 51.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 47.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 55.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 56.191 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

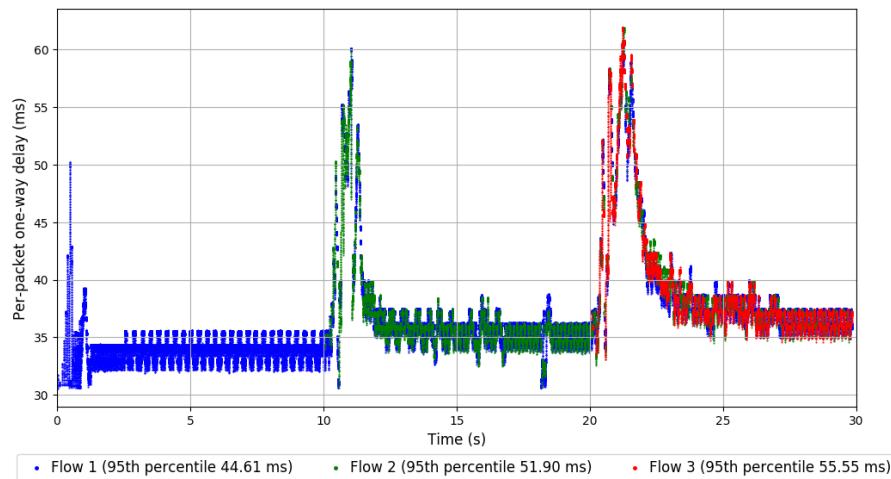
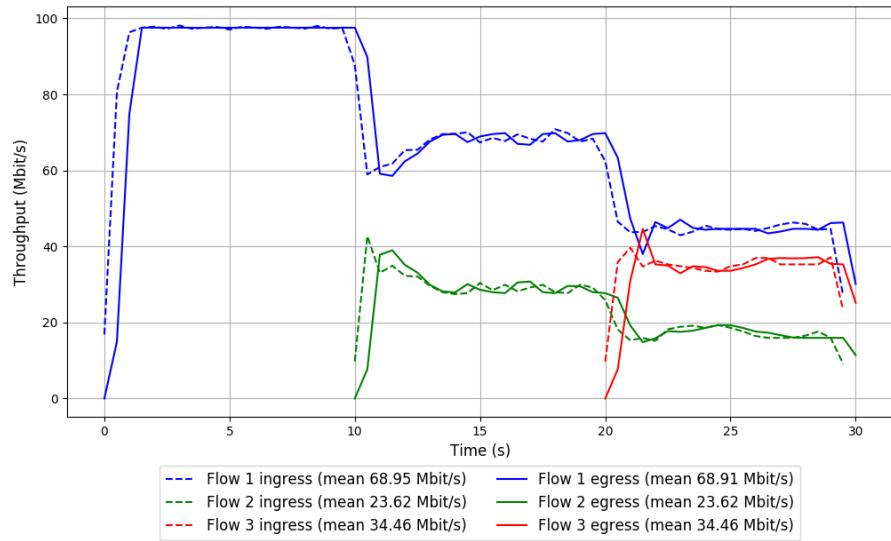


Run 4: Statistics of Indigo

```
Start at: 2018-09-25 09:36:55
End at: 2018-09-25 09:37:25
Local clock offset: -0.329 ms
Remote clock offset: -3.727 ms

# Below is generated by plot.py at 2018-09-25 10:26:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 48.829 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 44.611 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 51.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 55.548 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

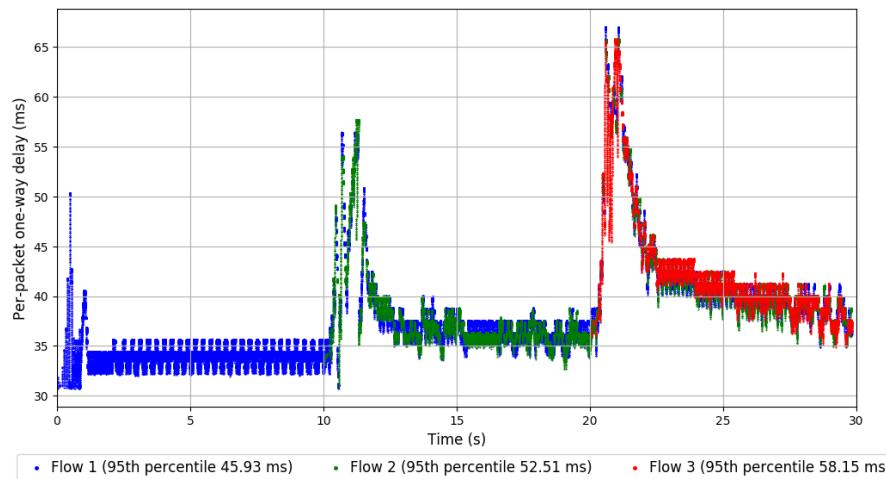
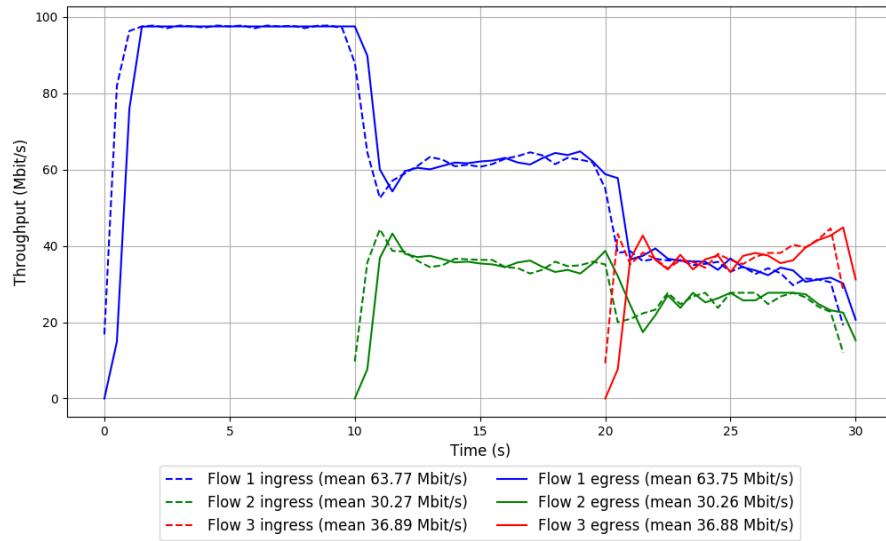


Run 5: Statistics of Indigo

```
Start at: 2018-09-25 10:02:48
End at: 2018-09-25 10:03:18
Local clock offset: -0.149 ms
Remote clock offset: -3.487 ms

# Below is generated by plot.py at 2018-09-25 10:27:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 50.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 45.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 52.509 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 58.148 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

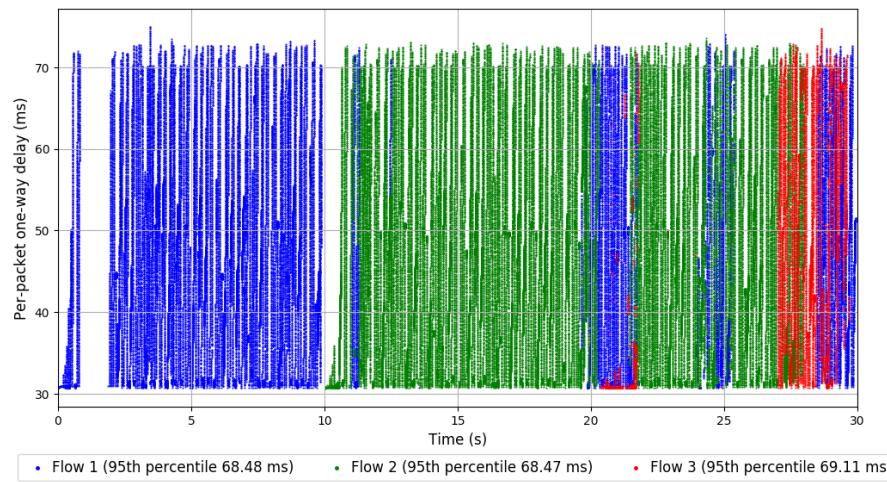
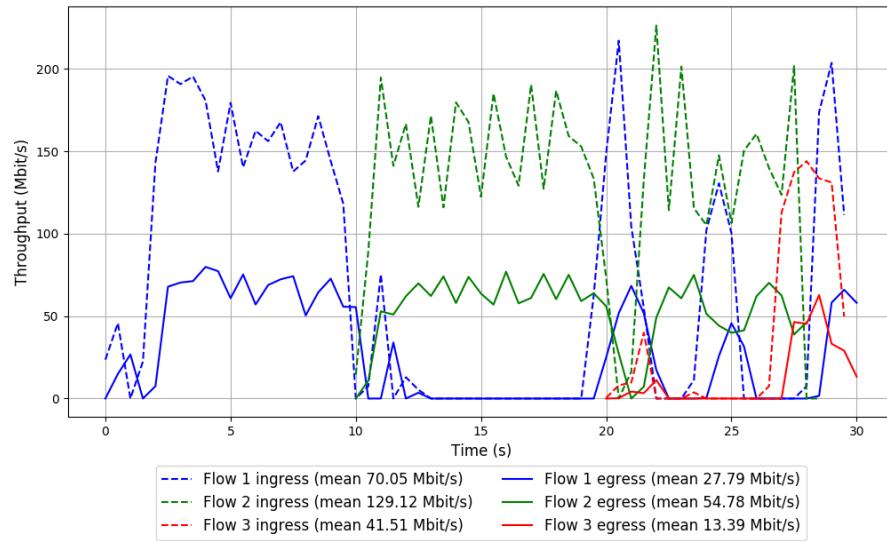


```
Run 1: Statistics of Indigo-96d2da3

Start at: 2018-09-25 08:30:26
End at: 2018-09-25 08:30:56
Local clock offset: 3.498 ms
Remote clock offset: -4.019 ms

# Below is generated by plot.py at 2018-09-25 10:27:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 68.521 ms
Loss rate: 60.73%
-- Flow 1:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 68.481 ms
Loss rate: 60.29%
-- Flow 2:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 68.471 ms
Loss rate: 59.95%
-- Flow 3:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 69.111 ms
Loss rate: 68.00%
```

Run 1: Report of Indigo-96d2da3 — Data Link

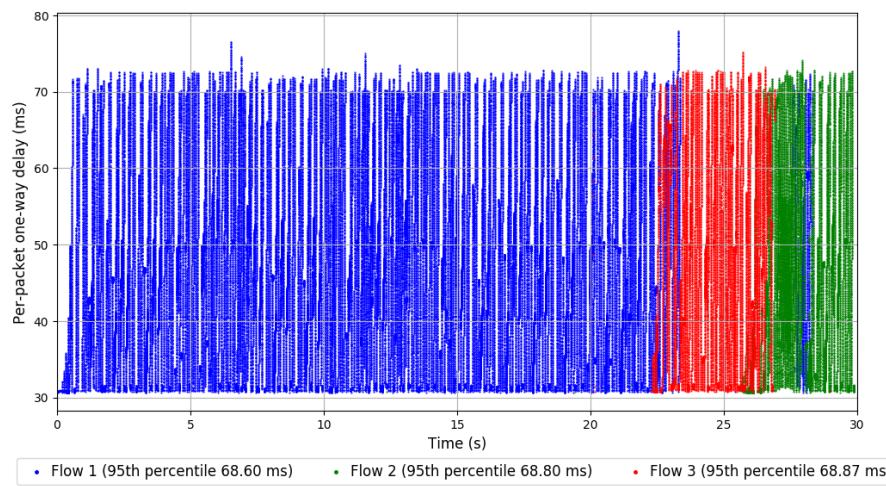
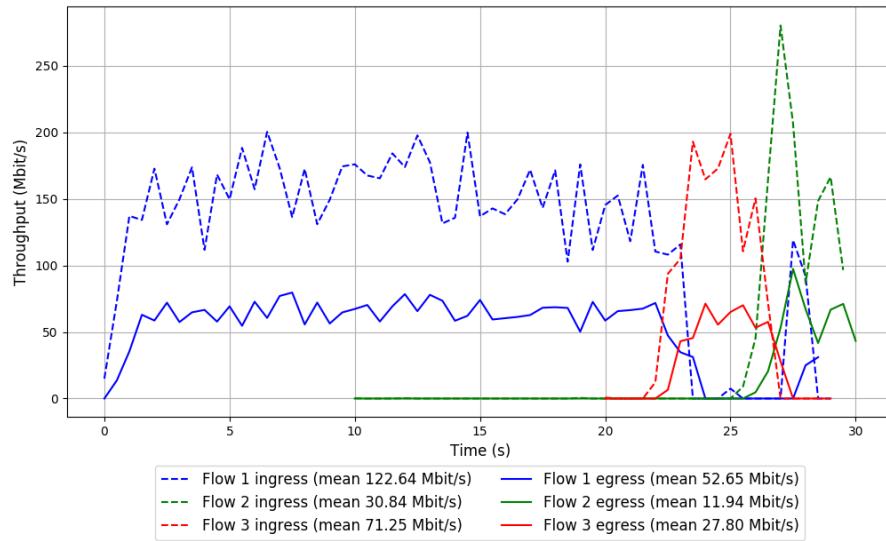


```
Run 2: Statistics of Indigo-96d2da3
```

```
Start at: 2018-09-25 08:56:17
End at: 2018-09-25 08:56:47
Local clock offset: 3.521 ms
Remote clock offset: -3.8 ms

# Below is generated by plot.py at 2018-09-25 10:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 68.677 ms
Loss rate: 59.29%
-- Flow 1:
Average throughput: 52.65 Mbit/s
95th percentile per-packet one-way delay: 68.598 ms
Loss rate: 58.63%
-- Flow 2:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 68.796 ms
Loss rate: 61.34%
-- Flow 3:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 68.874 ms
Loss rate: 61.07%
```

Run 2: Report of Indigo-96d2da3 — Data Link

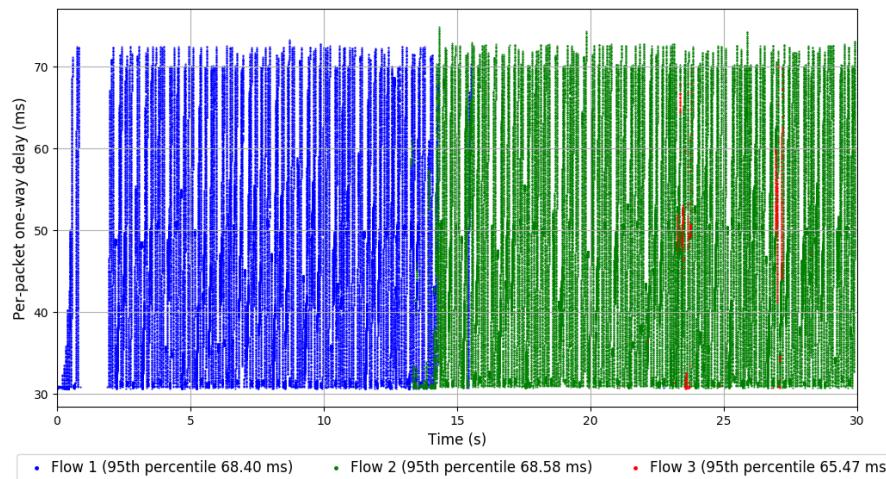
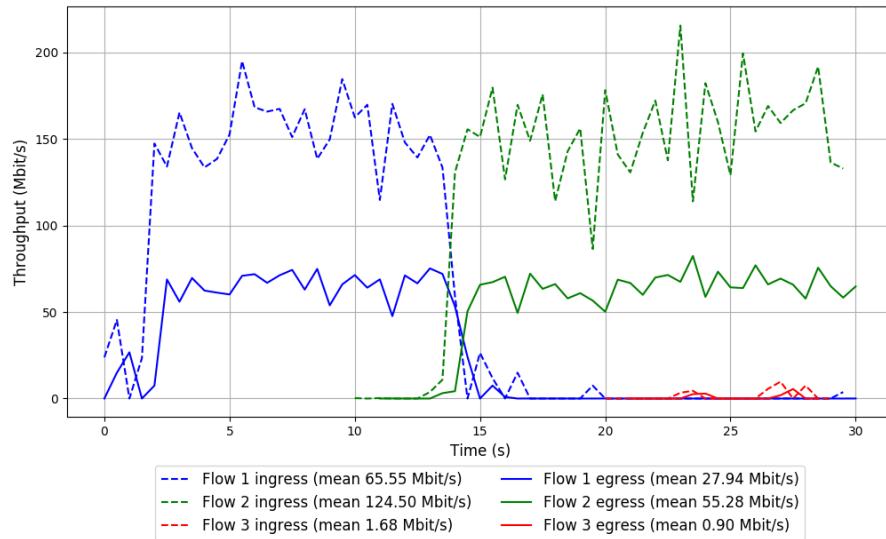


Run 3: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 09:22:04
End at: 2018-09-25 09:22:34
Local clock offset: 0.74 ms
Remote clock offset: -3.589 ms

# Below is generated by plot.py at 2018-09-25 10:27:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 68.465 ms
Loss rate: 57.70%
-- Flow 1:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 68.396 ms
Loss rate: 57.48%
-- Flow 2:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 68.581 ms
Loss rate: 57.87%
-- Flow 3:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 65.470 ms
Loss rate: 58.58%
```

Run 3: Report of Indigo-96d2da3 — Data Link

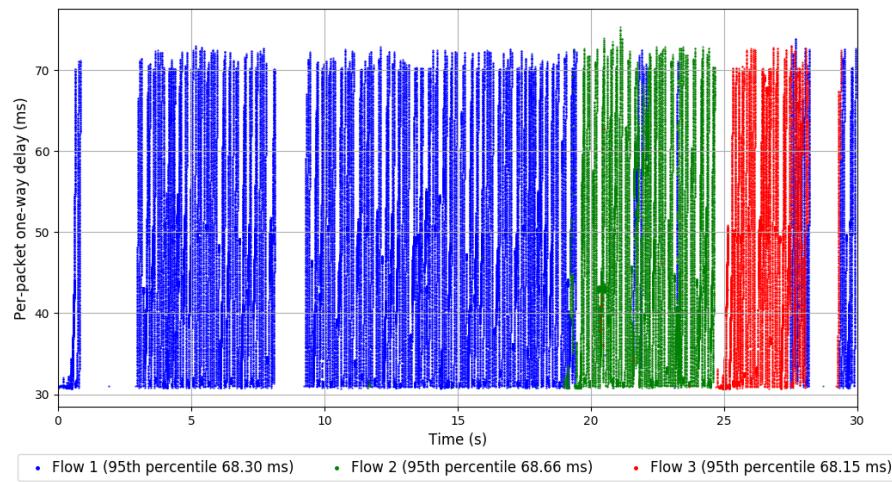
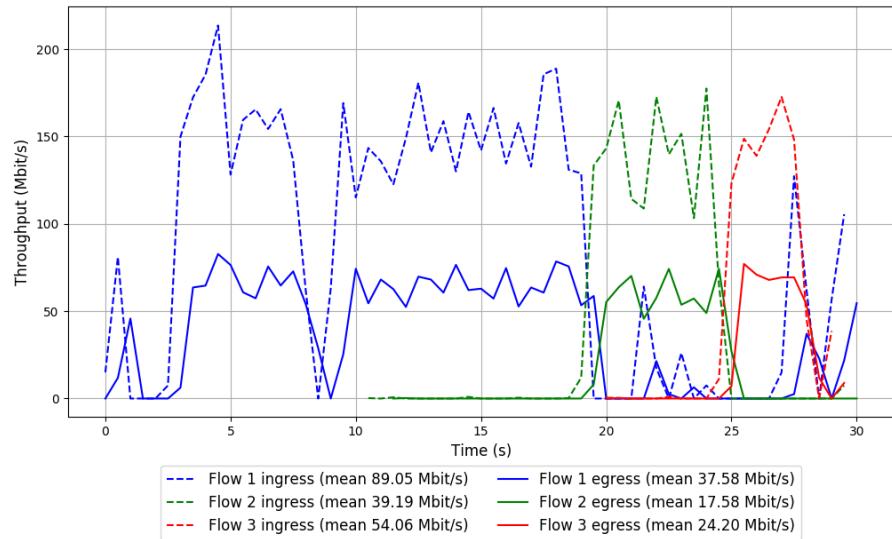


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 09:47:53
End at: 2018-09-25 09:48:23
Local clock offset: -0.12 ms
Remote clock offset: -3.489 ms

# Below is generated by plot.py at 2018-09-25 10:27:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 68.348 ms
Loss rate: 57.45%
-- Flow 1:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 68.300 ms
Loss rate: 57.75%
-- Flow 2:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 68.657 ms
Loss rate: 57.65%
-- Flow 3:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 68.148 ms
Loss rate: 55.58%
```

Run 4: Report of Indigo-96d2da3 — Data Link

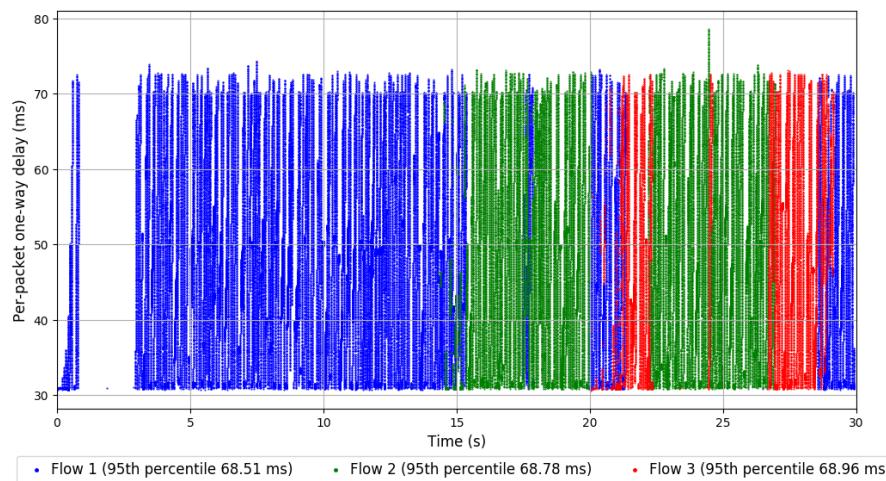
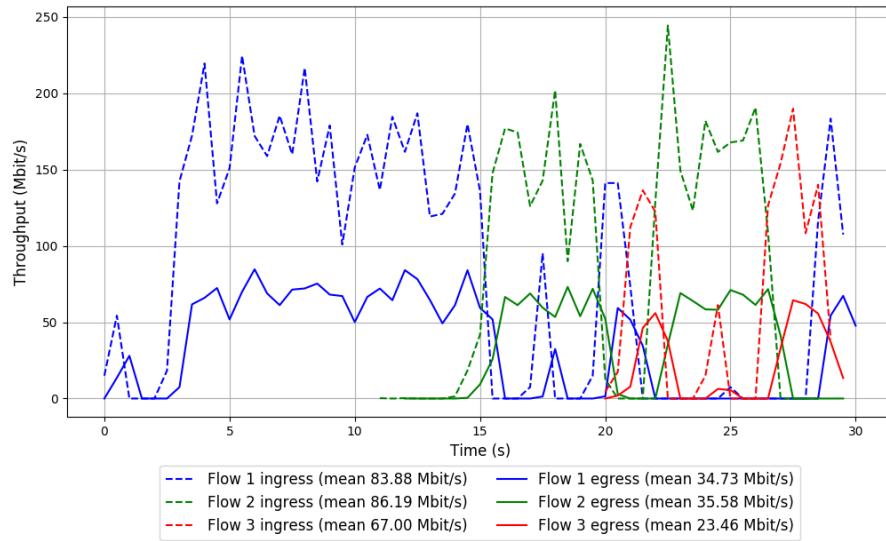


```
Run 5: Statistics of Indigo-96d2da3
```

```
Start at: 2018-09-25 10:13:46
End at: 2018-09-25 10:14:16
Local clock offset: -0.063 ms
Remote clock offset: -3.375 ms

# Below is generated by plot.py at 2018-09-25 10:28:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 68.639 ms
Loss rate: 60.25%
-- Flow 1:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 68.509 ms
Loss rate: 58.59%
-- Flow 2:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 68.778 ms
Loss rate: 60.99%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 68.956 ms
Loss rate: 65.20%
```

Run 5: Report of Indigo-96d2da3 — Data Link

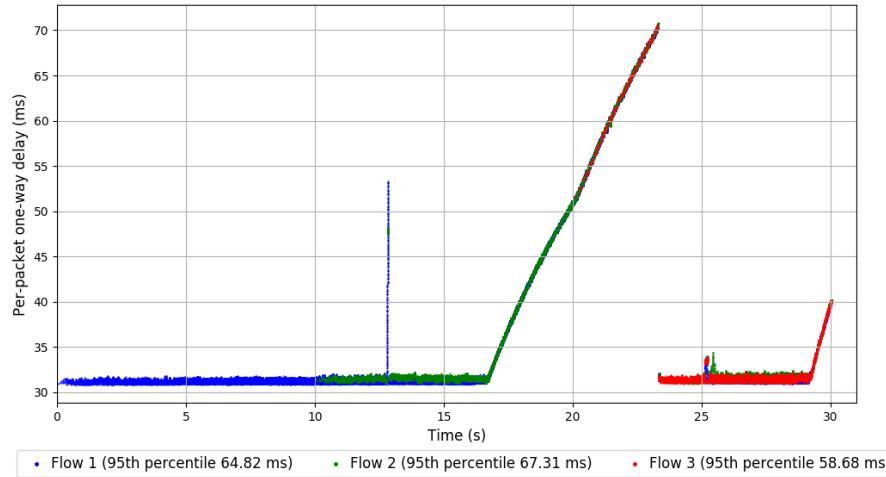
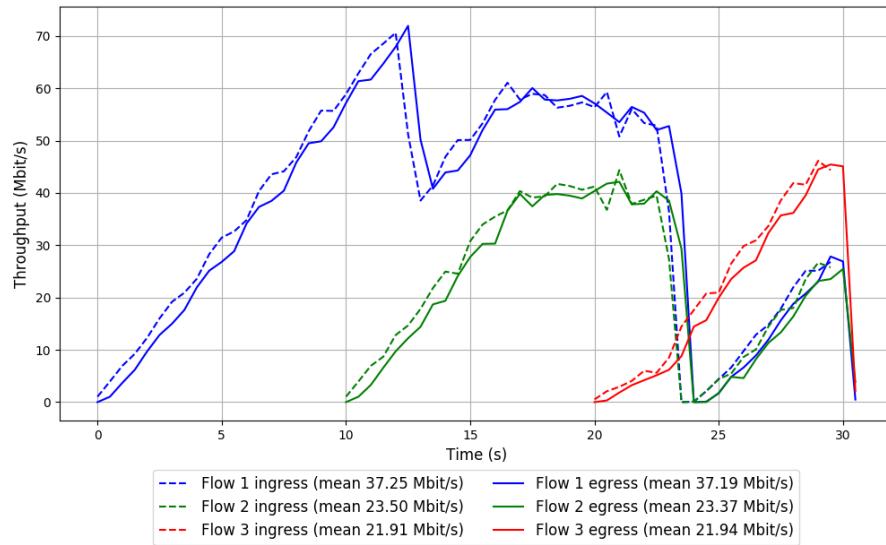


```
Run 1: Statistics of LEDBAT

Start at: 2018-09-25 08:14:13
End at: 2018-09-25 08:14:43
Local clock offset: 1.226 ms
Remote clock offset: -3.937 ms

# Below is generated by plot.py at 2018-09-25 10:28:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 65.577 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 67.309 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 58.684 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

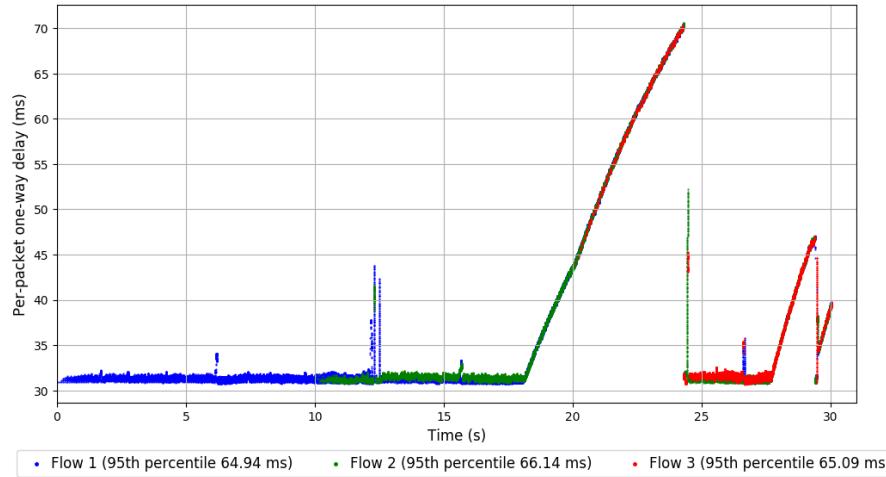
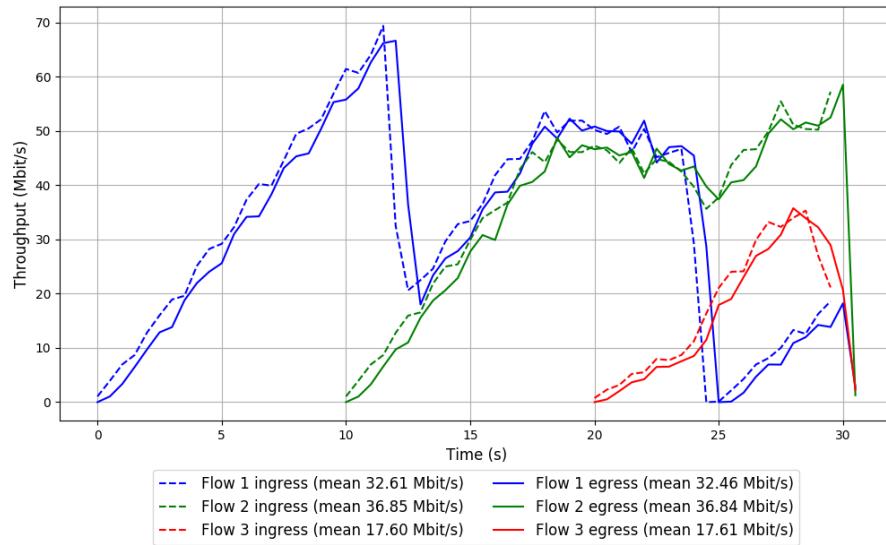


Run 2: Statistics of LEDBAT

```
Start at: 2018-09-25 08:40:02
End at: 2018-09-25 08:40:32
Local clock offset: 3.954 ms
Remote clock offset: -3.855 ms

# Below is generated by plot.py at 2018-09-25 10:28:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.83 Mbit/s
95th percentile per-packet one-way delay: 65.418 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 64.939 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 66.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 65.086 ms
Loss rate: 0.03%
```

Run 2: Report of LEDBAT — Data Link

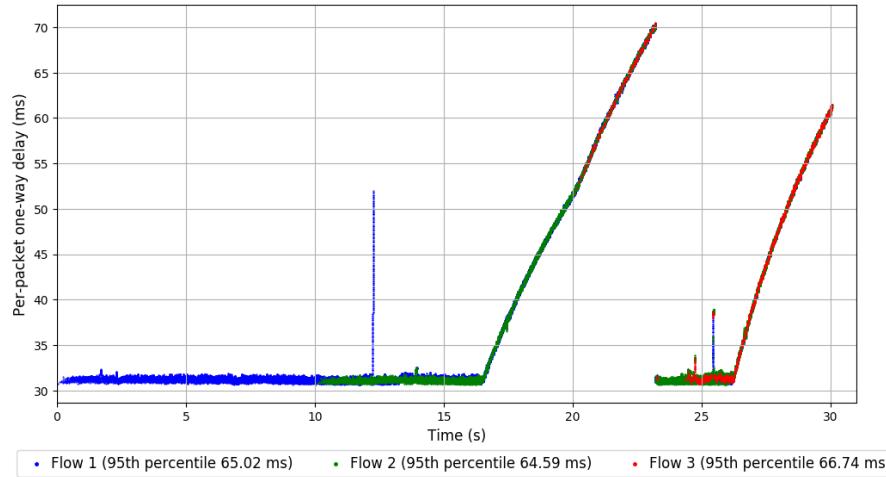
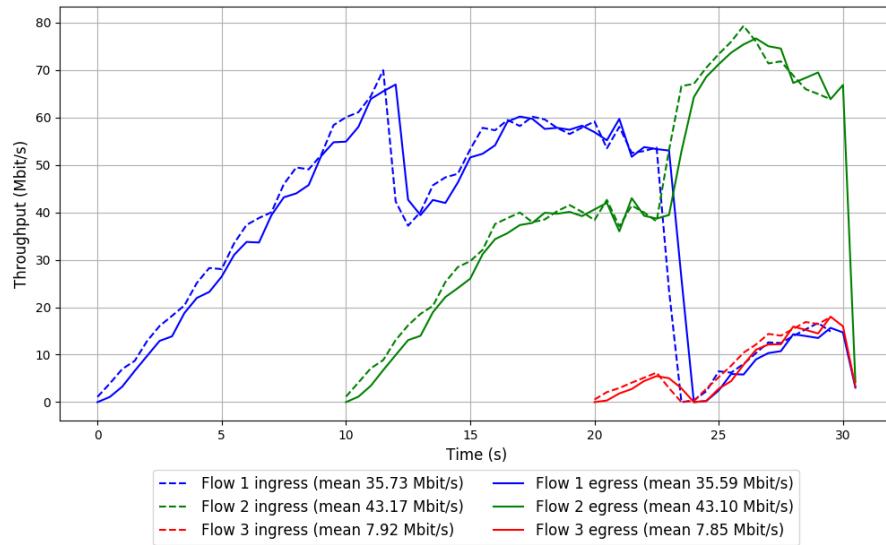


Run 3: Statistics of LEDBAT

```
Start at: 2018-09-25 09:05:48
End at: 2018-09-25 09:06:18
Local clock offset: 3.595 ms
Remote clock offset: -3.864 ms

# Below is generated by plot.py at 2018-09-25 10:28:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 64.847 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 65.022 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 64.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 66.736 ms
Loss rate: 0.77%
```

Run 3: Report of LEDBAT — Data Link

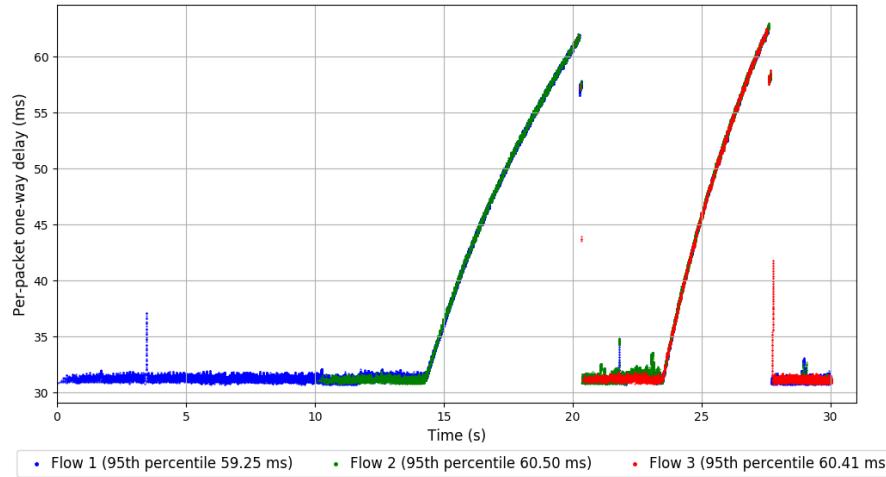
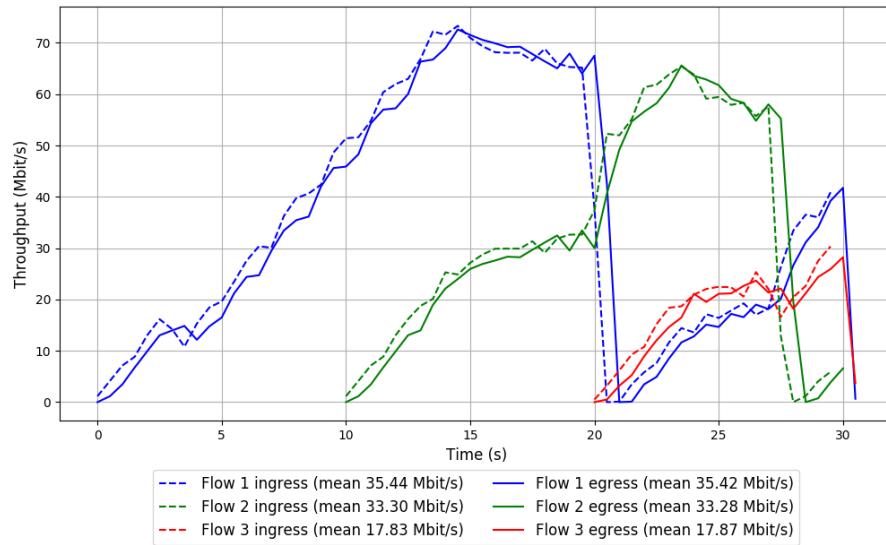


Run 4: Statistics of LEDBAT

```
Start at: 2018-09-25 09:31:34
End at: 2018-09-25 09:32:04
Local clock offset: -0.038 ms
Remote clock offset: -3.553 ms

# Below is generated by plot.py at 2018-09-25 10:28:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 59.969 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 59.247 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 60.501 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 60.407 ms
Loss rate: 0.05%
```

Run 4: Report of LEDBAT — Data Link

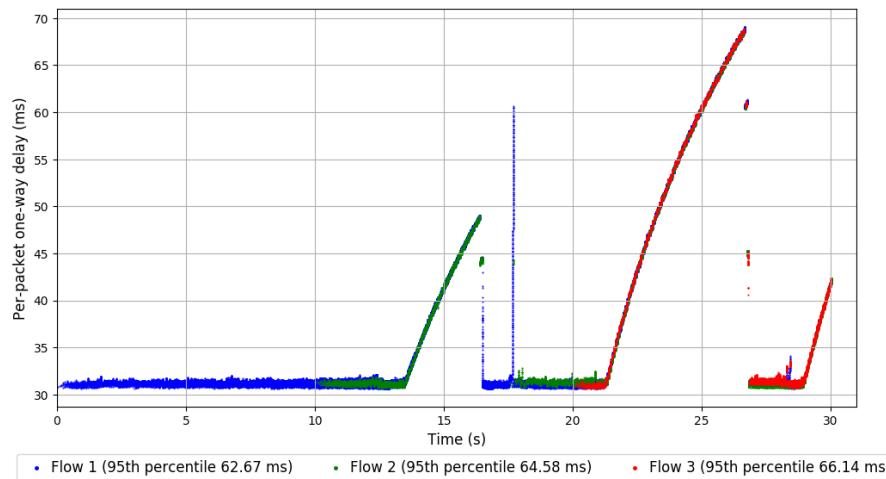
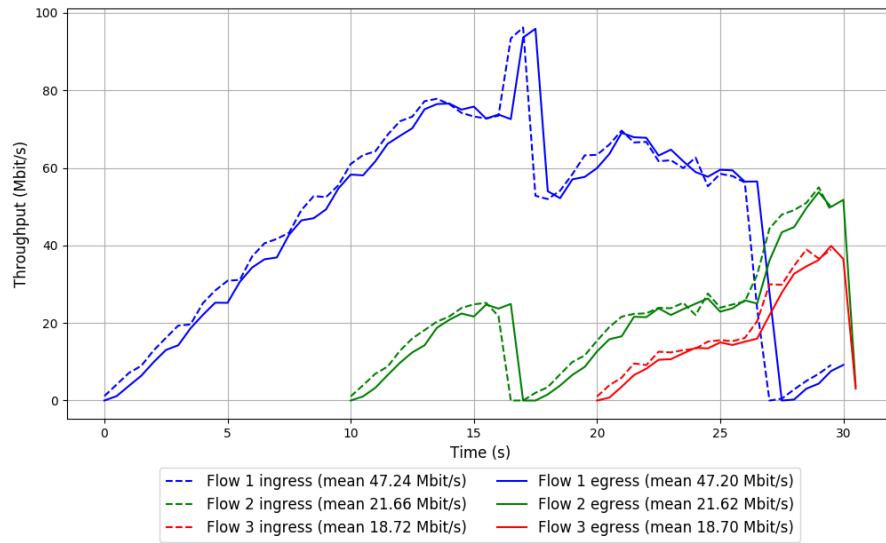


Run 5: Statistics of LEDBAT

```
Start at: 2018-09-25 09:57:25
End at: 2018-09-25 09:57:55
Local clock offset: -0.085 ms
Remote clock offset: -3.504 ms

# Below is generated by plot.py at 2018-09-25 10:28:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 63.813 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 62.666 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: 64.577 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 66.145 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

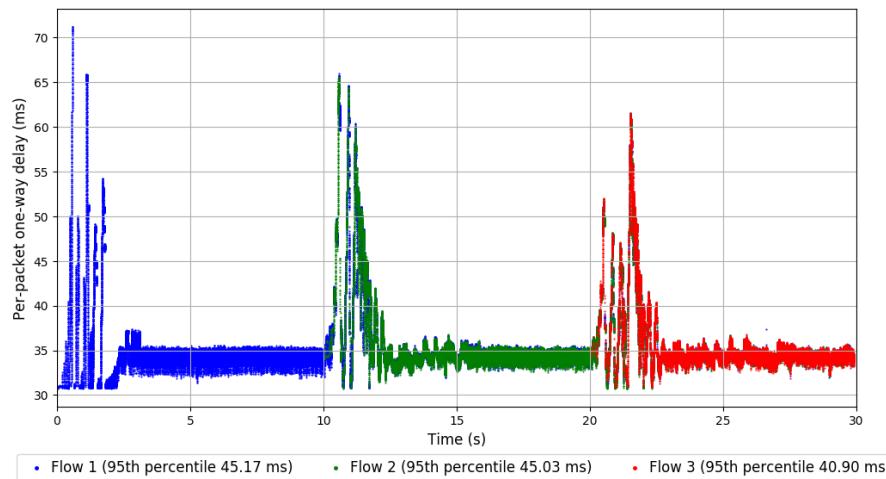
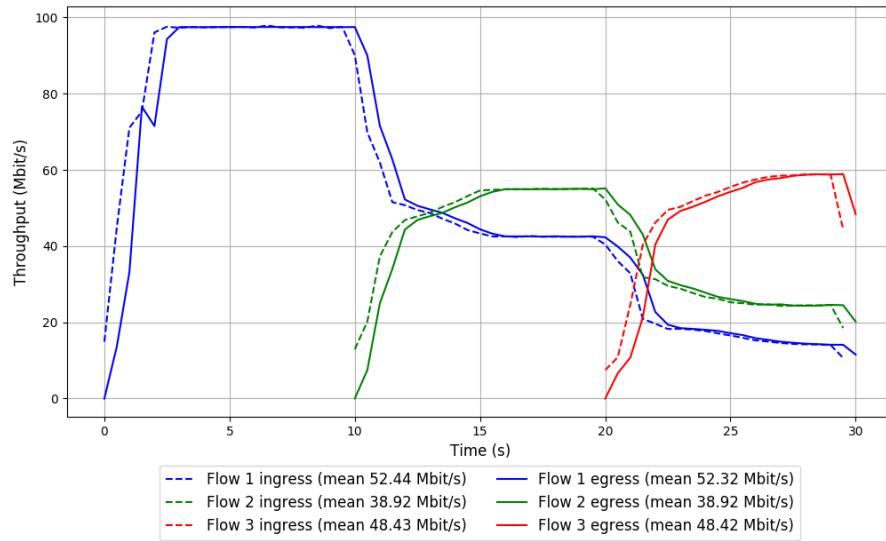


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-09-25 08:35:54
End at: 2018-09-25 08:36:24
Local clock offset: 3.792 ms
Remote clock offset: -3.983 ms

# Below is generated by plot.py at 2018-09-25 10:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 44.447 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 45.175 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 45.026 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 40.900 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-Muses — Data Link

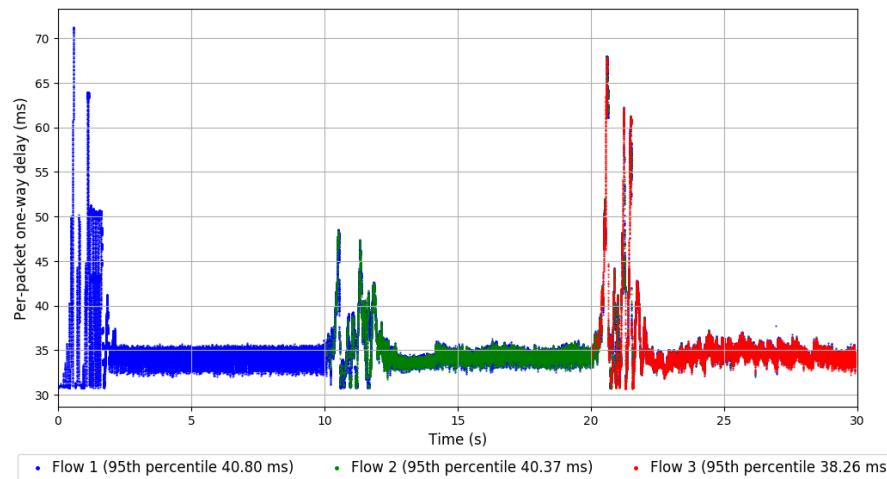
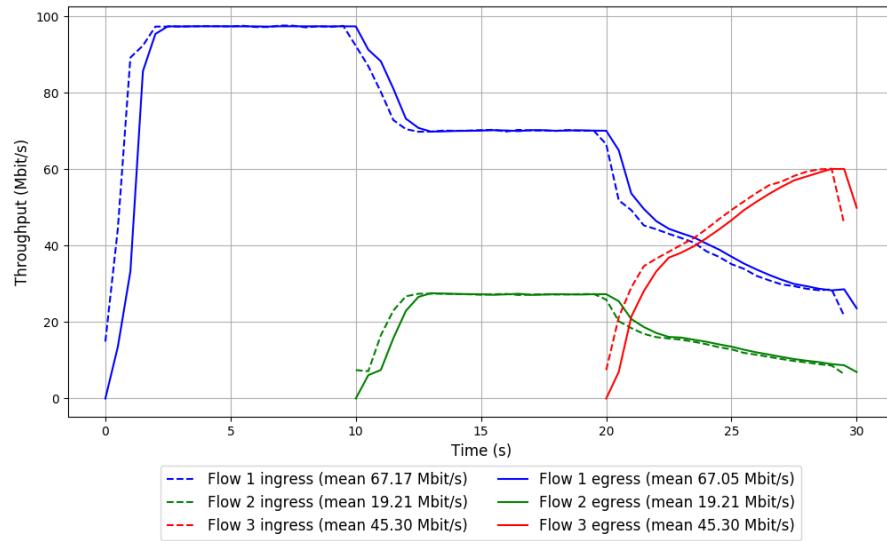


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:01:40
End at: 2018-09-25 09:02:10
Local clock offset: 3.544 ms
Remote clock offset: -3.781 ms

# Below is generated by plot.py at 2018-09-25 10:28:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 40.548 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 67.05 Mbit/s
95th percentile per-packet one-way delay: 40.803 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 40.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.30 Mbit/s
95th percentile per-packet one-way delay: 38.261 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-Muses — Data Link

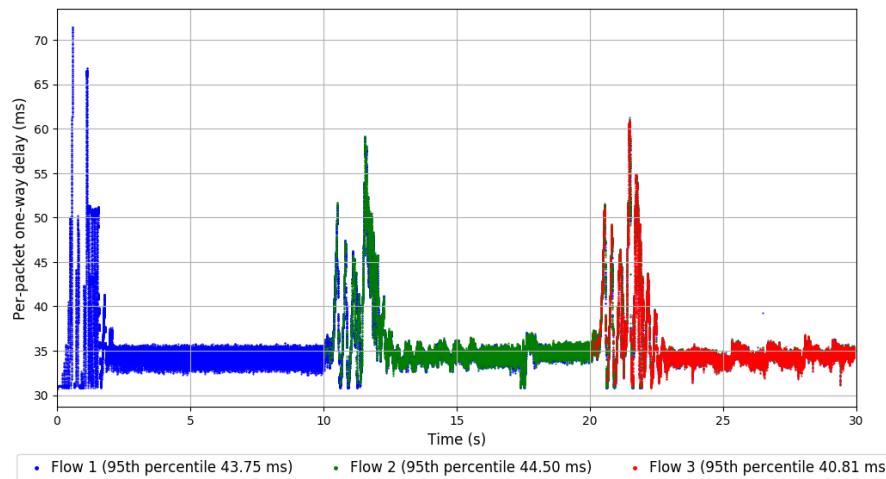
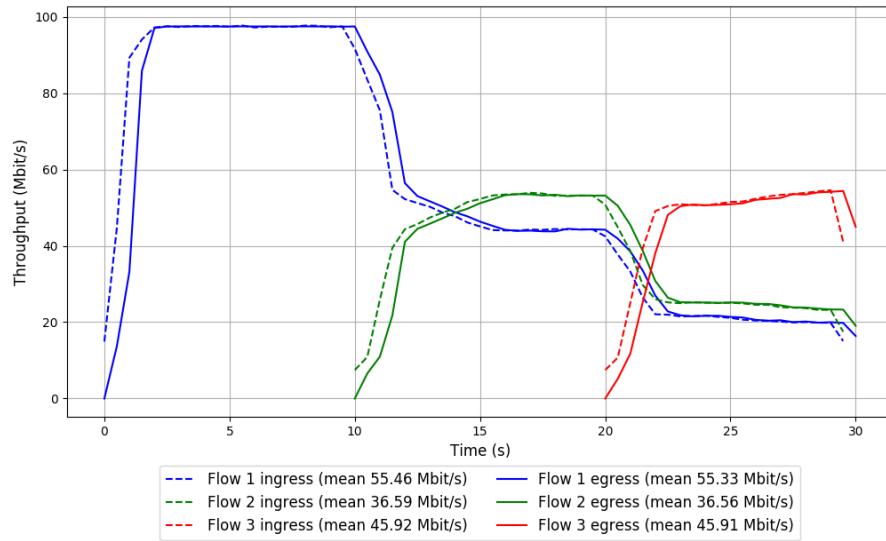


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:27:26
End at: 2018-09-25 09:27:56
Local clock offset: 0.239 ms
Remote clock offset: -3.426 ms

# Below is generated by plot.py at 2018-09-25 10:29:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 43.518 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 43.750 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 44.502 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 40.815 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-Muses — Data Link

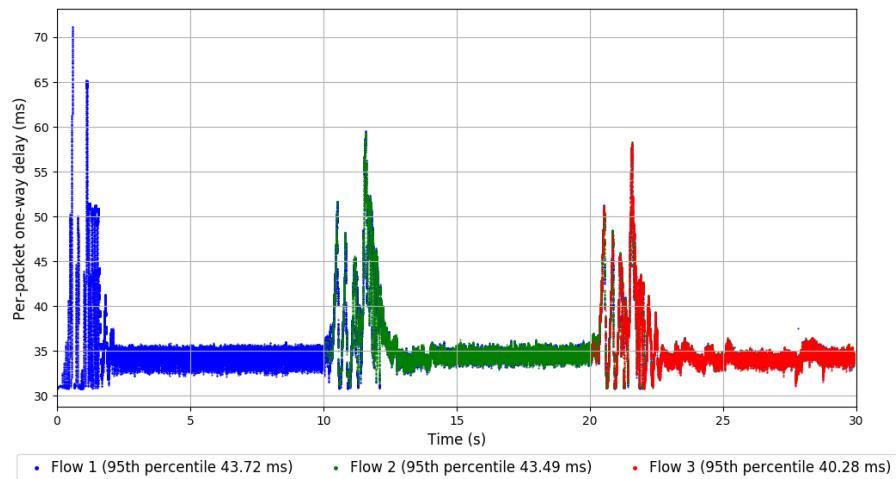
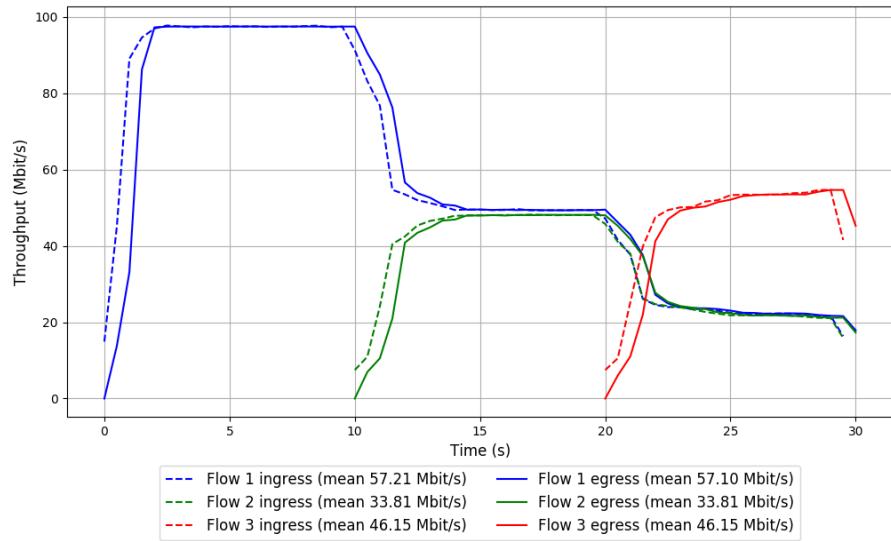


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:53:17
End at: 2018-09-25 09:53:47
Local clock offset: -0.082 ms
Remote clock offset: -3.407 ms

# Below is generated by plot.py at 2018-09-25 10:29:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 43.126 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 43.718 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 43.494 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 40.277 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-Muses — Data Link

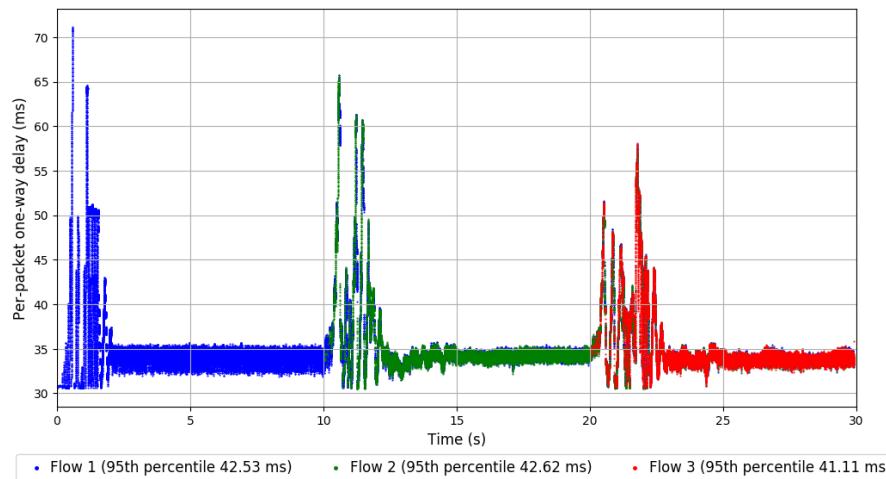
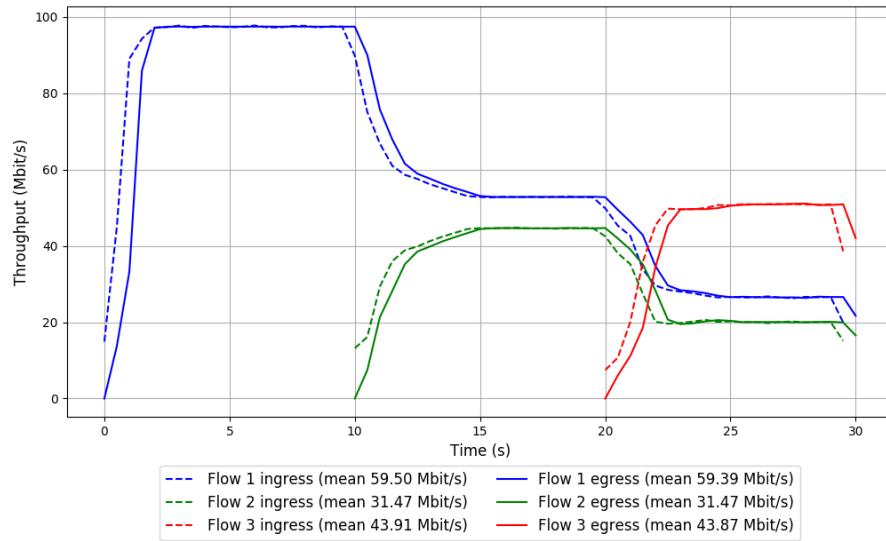


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-09-25 10:19:10
End at: 2018-09-25 10:19:40
Local clock offset: 0.057 ms
Remote clock offset: -3.533 ms

# Below is generated by plot.py at 2018-09-25 10:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 42.365 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 42.527 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 42.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 41.107 ms
Loss rate: 0.08%
```

Run 5: Report of Indigo-Muses — Data Link

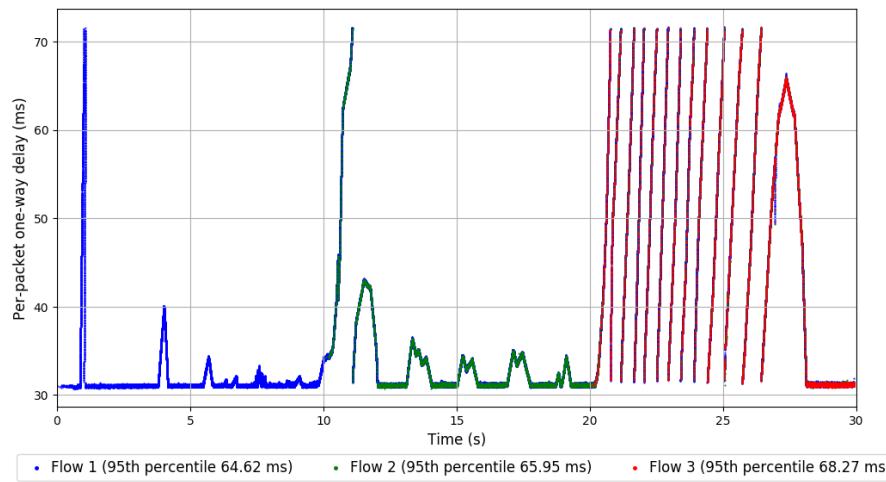
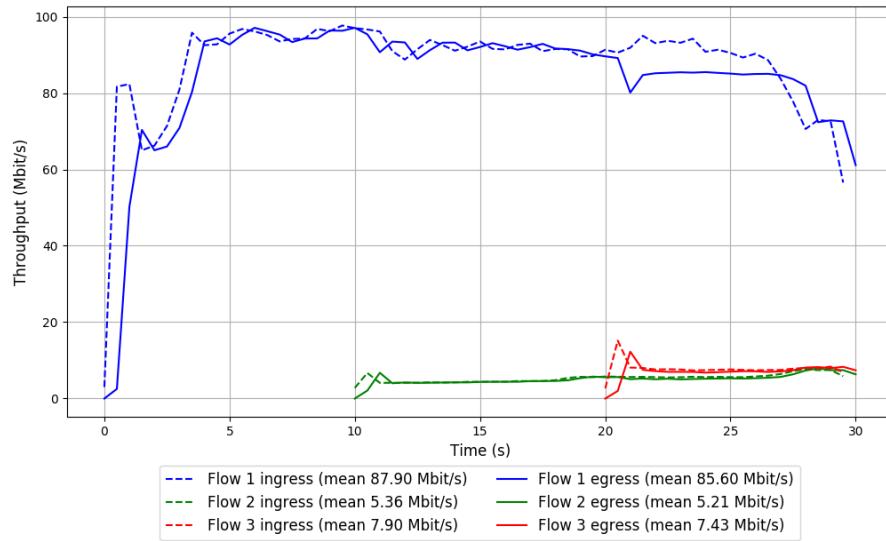


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-09-25 08:16:54
End at: 2018-09-25 08:17:24
Local clock offset: 1.845 ms
Remote clock offset: -3.961 ms

# Below is generated by plot.py at 2018-09-25 10:29:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 64.881 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 64.619 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 65.950 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 68.272 ms
Loss rate: 5.96%
```

Run 1: Report of PCC-Allegro — Data Link

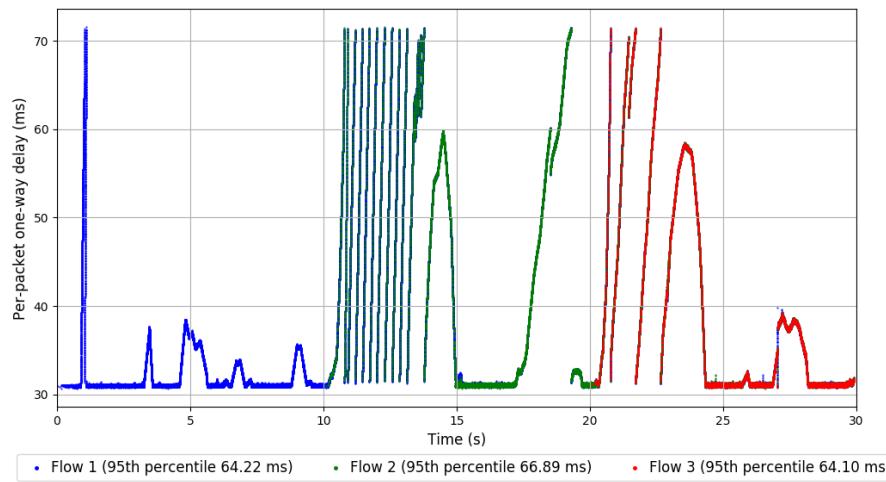
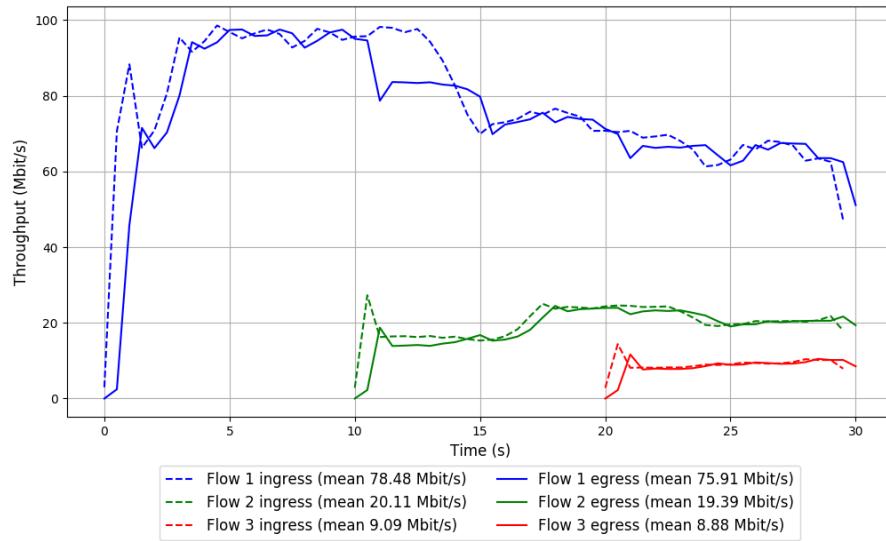


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-09-25 08:42:43
End at: 2018-09-25 08:43:13
Local clock offset: 3.759 ms
Remote clock offset: -3.822 ms

# Below is generated by plot.py at 2018-09-25 10:29:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 64.715 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 75.91 Mbit/s
95th percentile per-packet one-way delay: 64.224 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 66.889 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 64.097 ms
Loss rate: 2.26%
```

Run 2: Report of PCC-Allegro — Data Link

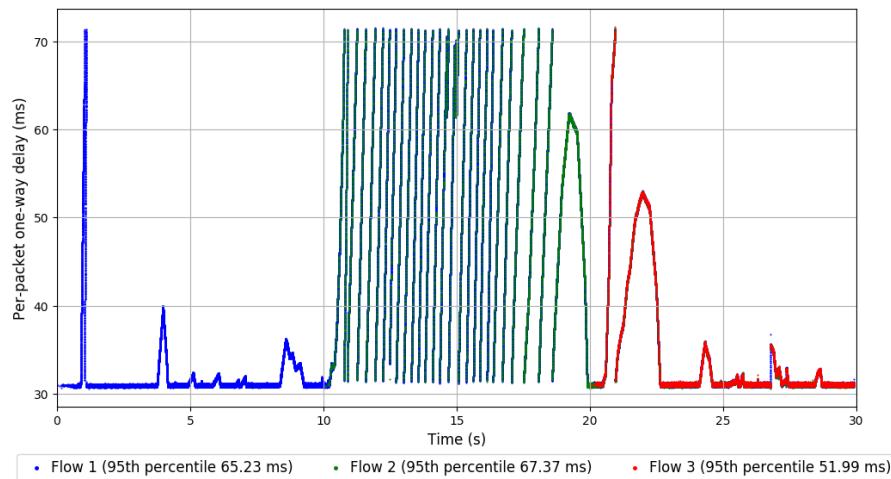
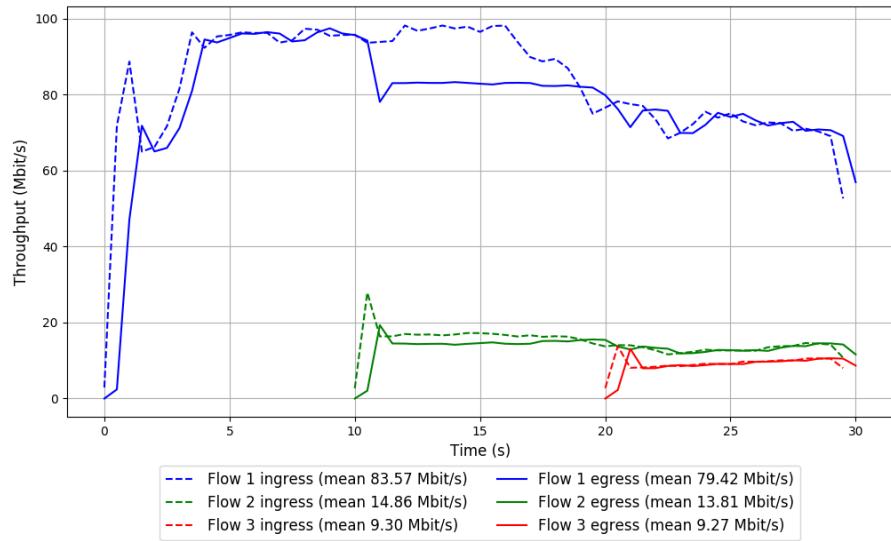


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:08:30
End at: 2018-09-25 09:09:00
Local clock offset: 3.629 ms
Remote clock offset: -3.687 ms

# Below is generated by plot.py at 2018-09-25 10:29:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 65.439 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 65.226 ms
Loss rate: 4.96%
-- Flow 2:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: 67.372 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 51.990 ms
Loss rate: 0.36%
```

Run 3: Report of PCC-Allegro — Data Link

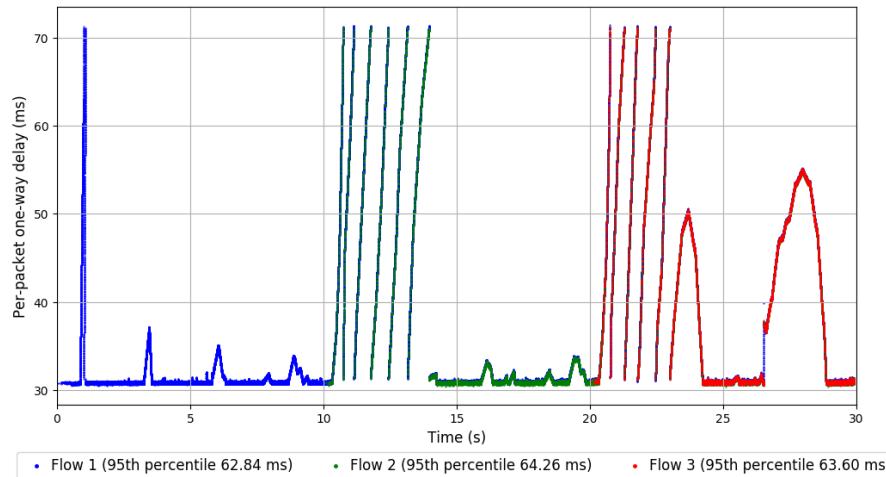
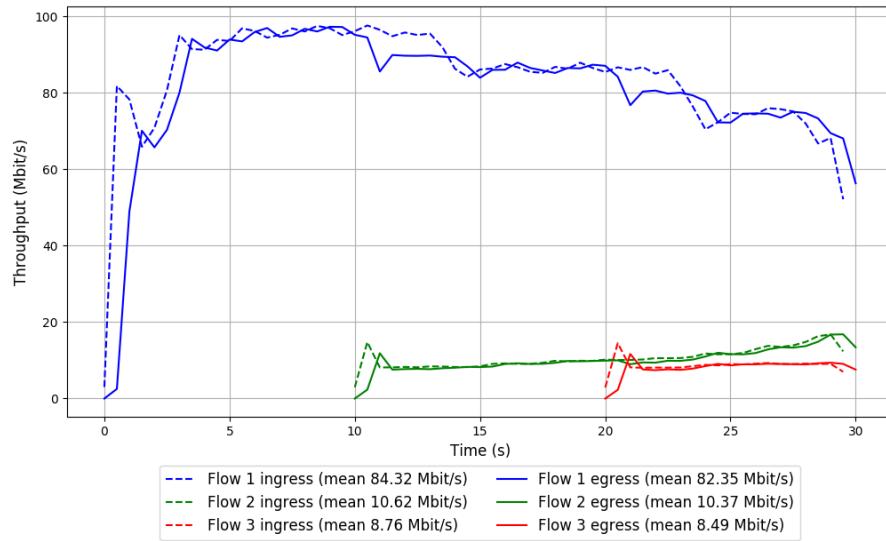


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:34:16
End at: 2018-09-25 09:34:46
Local clock offset: -0.196 ms
Remote clock offset: -3.684 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 62.994 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 62.843 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 64.259 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 63.603 ms
Loss rate: 3.00%
```

Run 4: Report of PCC-Allegro — Data Link

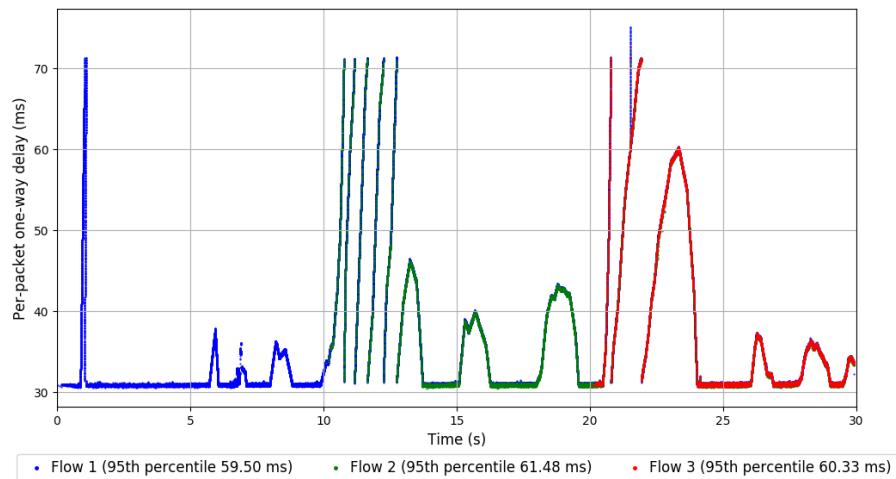
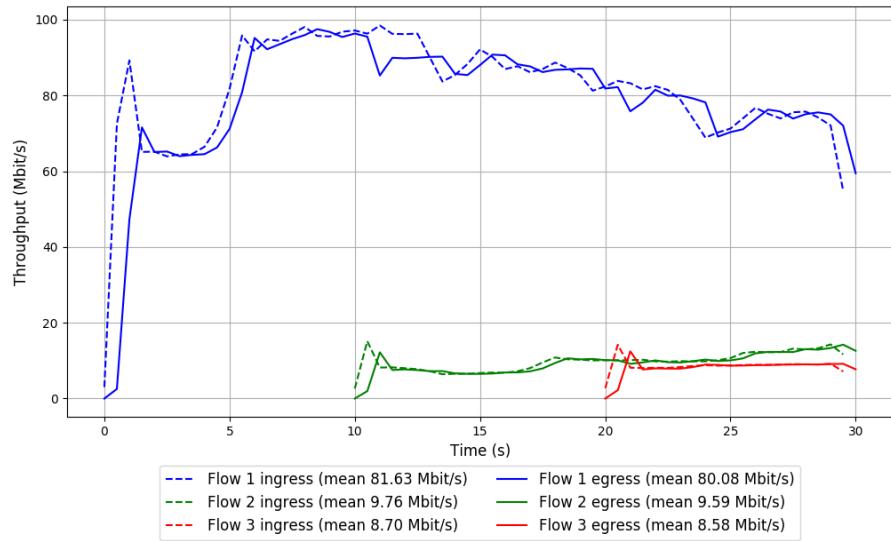


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-09-25 10:00:08
End at: 2018-09-25 10:00:38
Local clock offset: -0.118 ms
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 59.684 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 59.503 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 61.477 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 60.333 ms
Loss rate: 1.31%
```

Run 5: Report of PCC-Allegro — Data Link

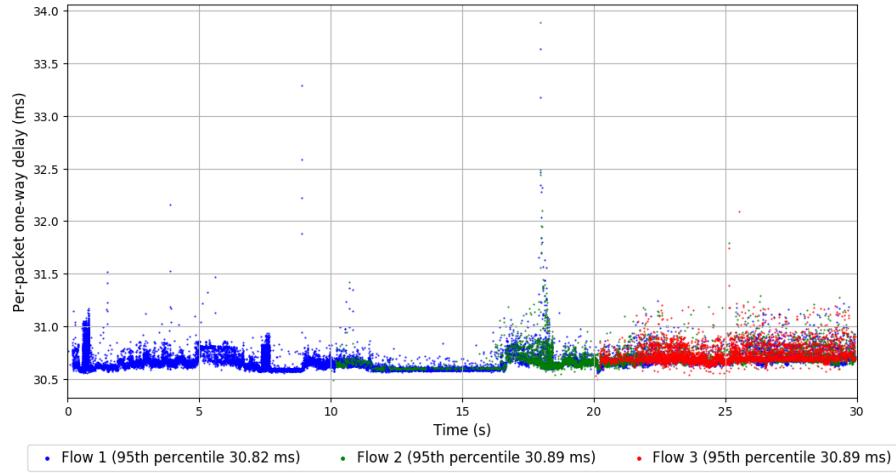
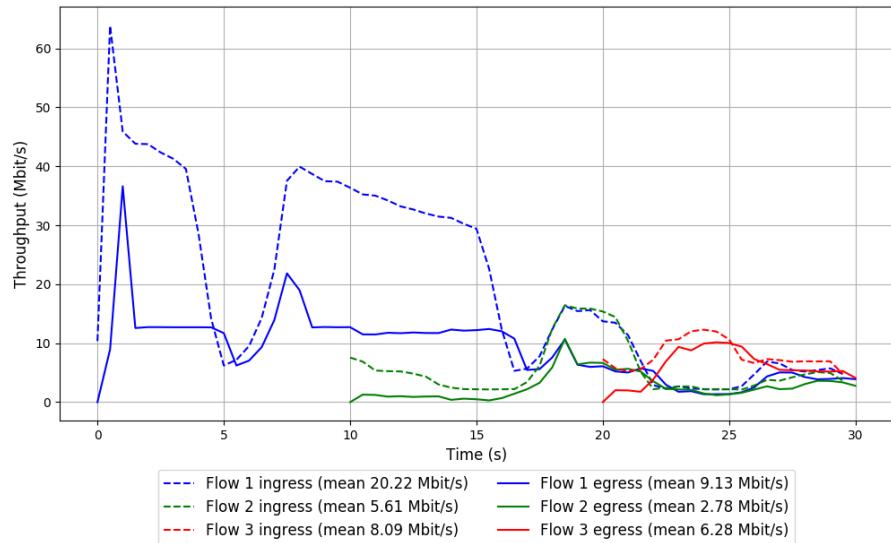


Run 1: Statistics of PCC-Expr

```
Start at: 2018-09-25 08:34:35
End at: 2018-09-25 08:35:05
Local clock offset: 3.75 ms
Remote clock offset: -4.142 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 50.94%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 30.820 ms
Loss rate: 54.82%
-- Flow 2:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 30.892 ms
Loss rate: 50.36%
-- Flow 3:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 30.889 ms
Loss rate: 22.36%
```

Run 1: Report of PCC-Expr — Data Link

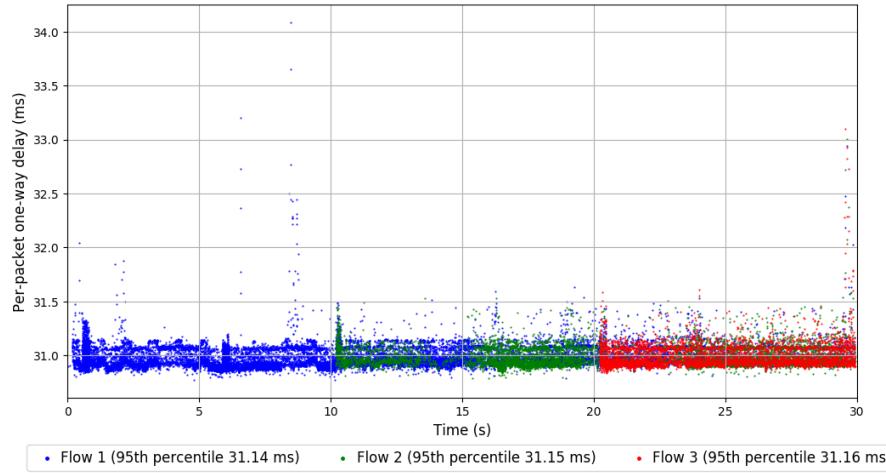
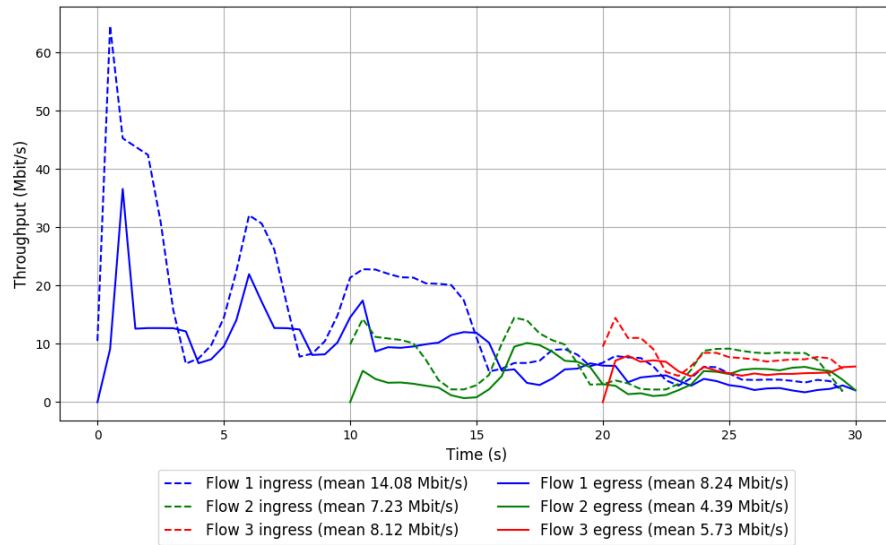


Run 2: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:00:21
End at: 2018-09-25 09:00:51
Local clock offset: 3.544 ms
Remote clock offset: -3.653 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 31.140 ms
Loss rate: 39.48%
-- Flow 1:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 41.48%
-- Flow 2:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 31.148 ms
Loss rate: 39.26%
-- Flow 3:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 31.159 ms
Loss rate: 29.36%
```

Run 2: Report of PCC-Expr — Data Link

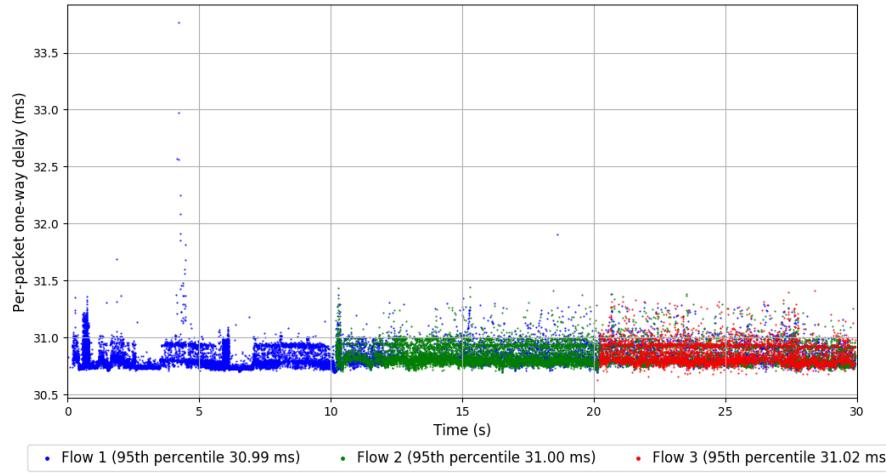
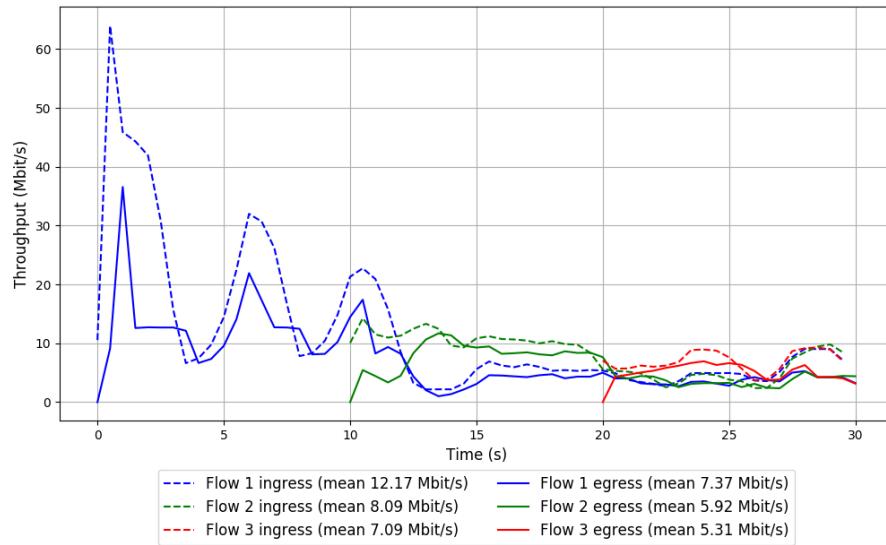


Run 3: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:26:08
End at: 2018-09-25 09:26:38
Local clock offset: 0.336 ms
Remote clock offset: -3.584 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 30.997 ms
Loss rate: 34.34%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 30.992 ms
Loss rate: 39.42%
-- Flow 2:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 30.999 ms
Loss rate: 26.87%
-- Flow 3:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 31.018 ms
Loss rate: 25.10%
```

Run 3: Report of PCC-Expr — Data Link

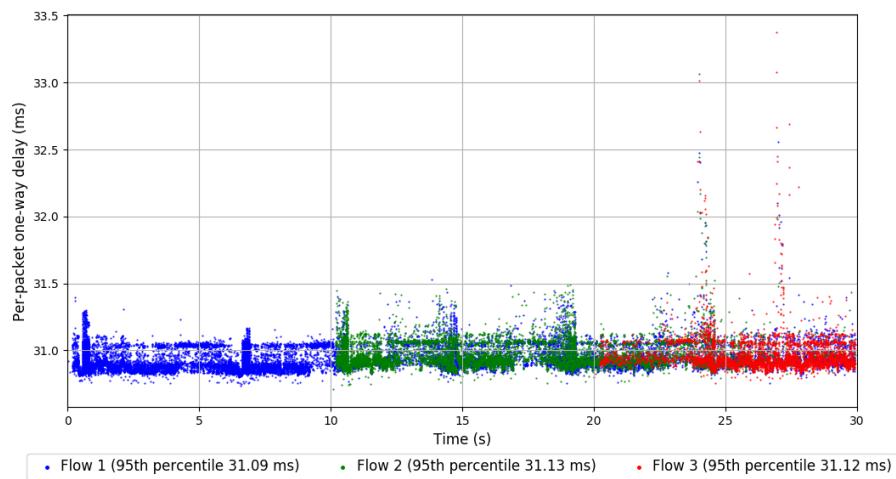
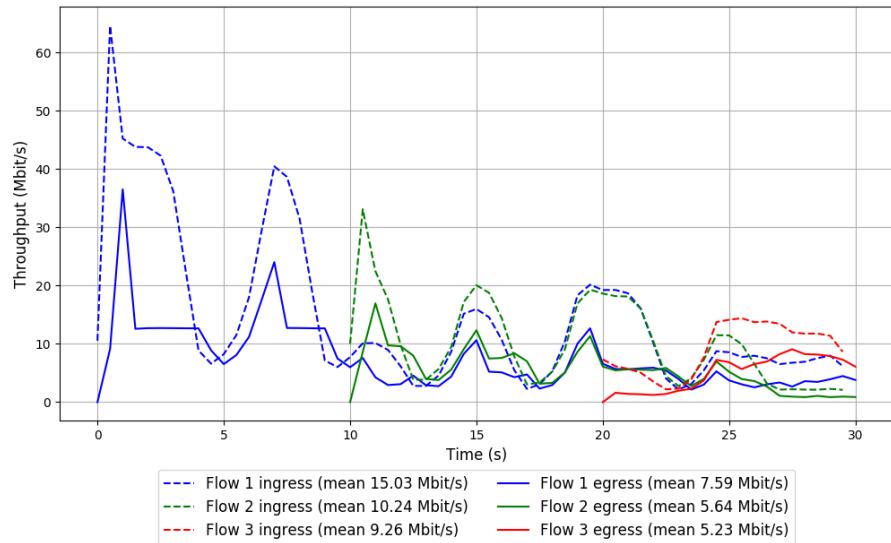


Run 4: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:51:57
End at: 2018-09-25 09:52:27
Local clock offset: -0.073 ms
Remote clock offset: -3.396 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 47.55%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 31.093 ms
Loss rate: 49.55%
-- Flow 2:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 31.128 ms
Loss rate: 44.94%
-- Flow 3:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 31.122 ms
Loss rate: 43.50%
```

Run 4: Report of PCC-Expr — Data Link

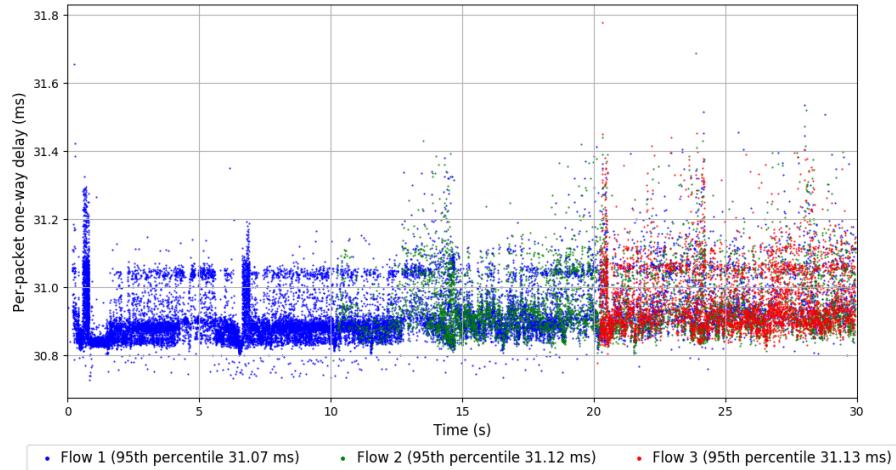
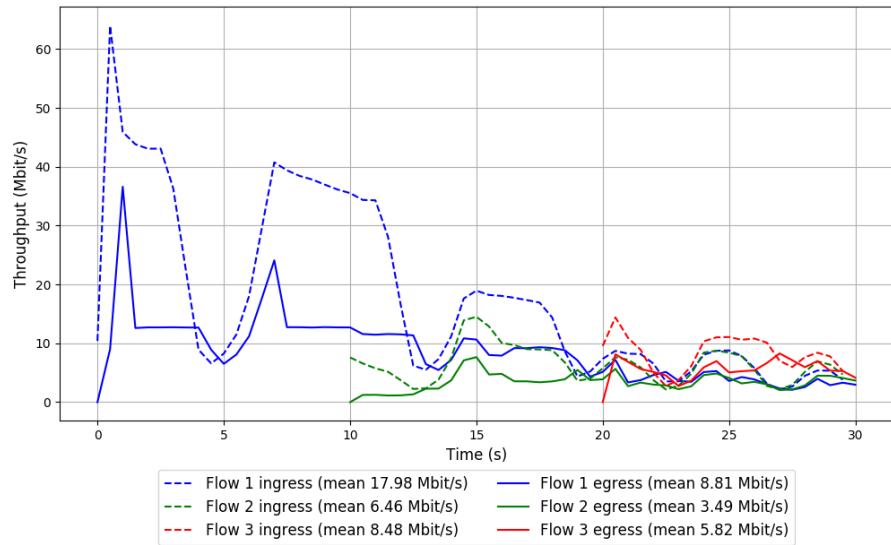


Run 5: Statistics of PCC-Expr

```
Start at: 2018-09-25 10:17:50
End at: 2018-09-25 10:18:20
Local clock offset: 0.034 ms
Remote clock offset: -3.276 ms

# Below is generated by plot.py at 2018-09-25 10:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 31.097 ms
Loss rate: 47.91%
-- Flow 1:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 31.068 ms
Loss rate: 50.99%
-- Flow 2:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 31.120 ms
Loss rate: 45.88%
-- Flow 3:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 31.133 ms
Loss rate: 31.29%
```

Run 5: Report of PCC-Expr — Data Link

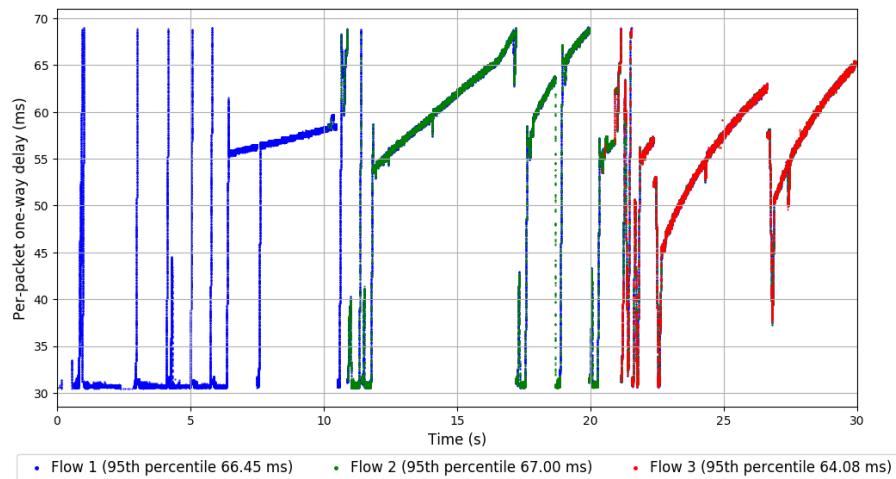
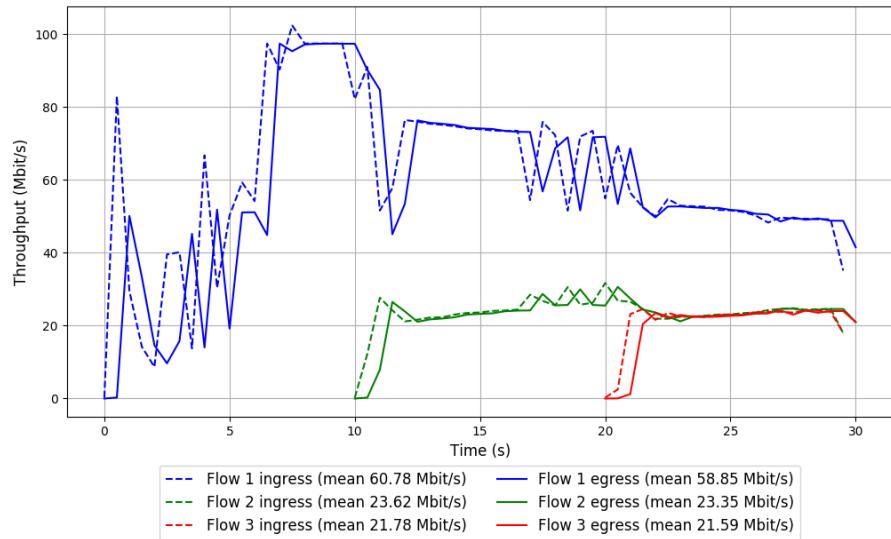


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-09-25 08:37:16
End at: 2018-09-25 08:37:47
Local clock offset: 3.877 ms
Remote clock offset: -4.124 ms

# Below is generated by plot.py at 2018-09-25 10:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 66.391 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 66.455 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 67.005 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 64.076 ms
Loss rate: 0.78%
```

Run 1: Report of QUIC Cubic — Data Link

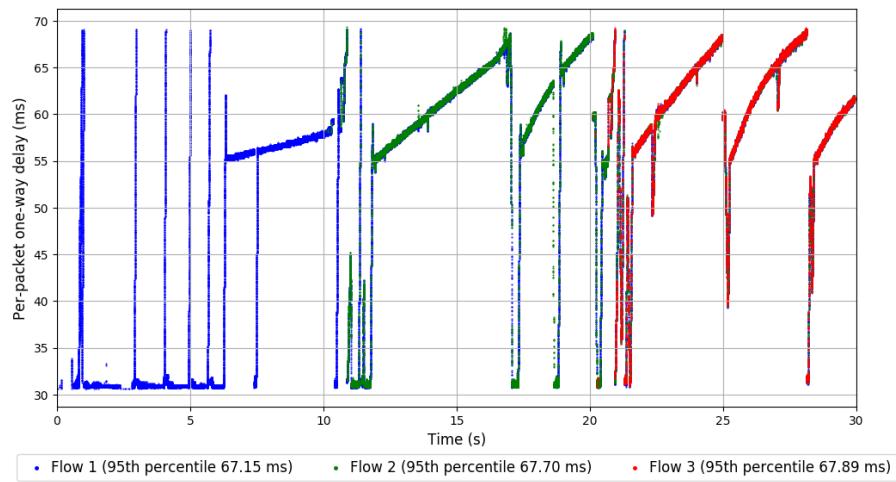
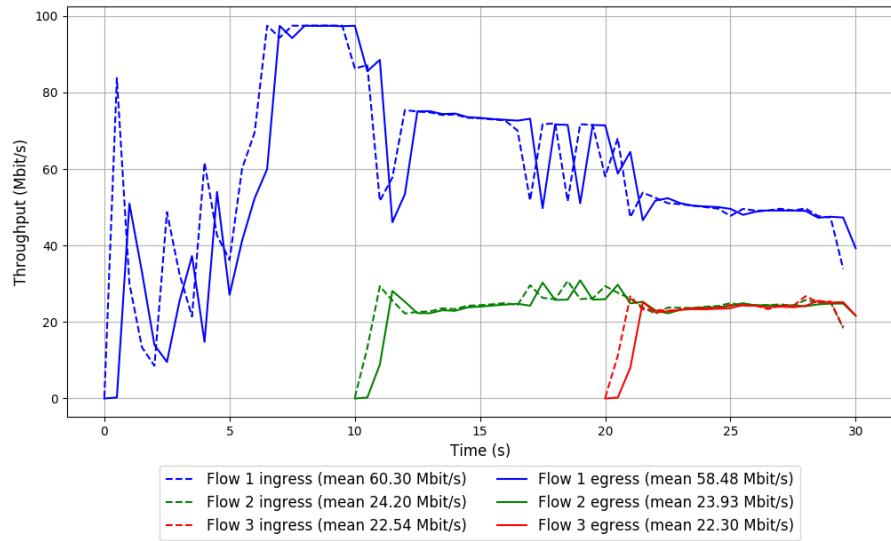


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:03:03
End at: 2018-09-25 09:03:33
Local clock offset: 3.577 ms
Remote clock offset: -3.646 ms

# Below is generated by plot.py at 2018-09-25 10:30:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.68 Mbit/s
95th percentile per-packet one-way delay: 67.431 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 67.146 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 67.702 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 67.892 ms
Loss rate: 1.03%
```

Run 2: Report of QUIC Cubic — Data Link

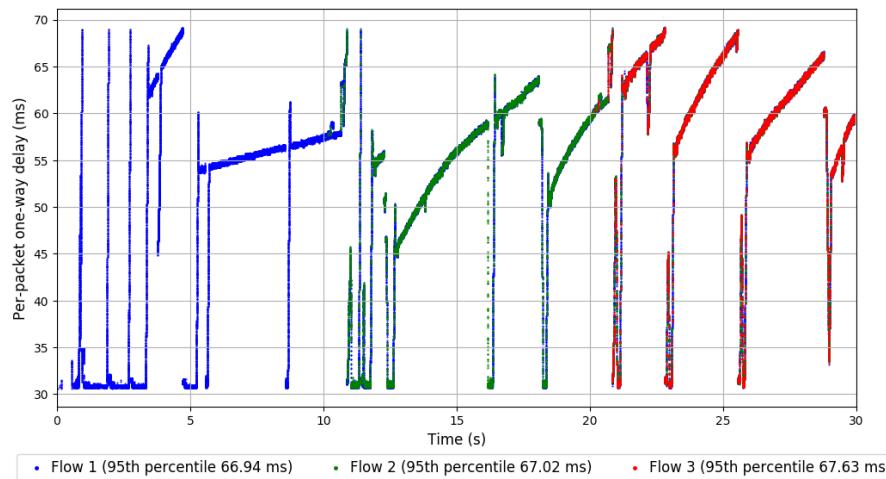
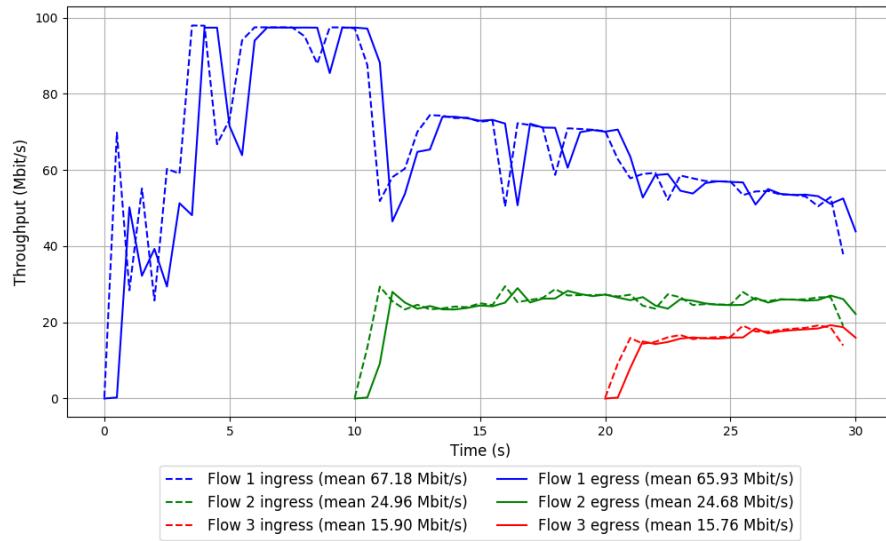


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:28:49
End at: 2018-09-25 09:29:19
Local clock offset: 0.142 ms
Remote clock offset: -3.566 ms

# Below is generated by plot.py at 2018-09-25 10:30:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 67.053 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 66.941 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 67.020 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 67.633 ms
Loss rate: 0.88%
```

Run 3: Report of QUIC Cubic — Data Link

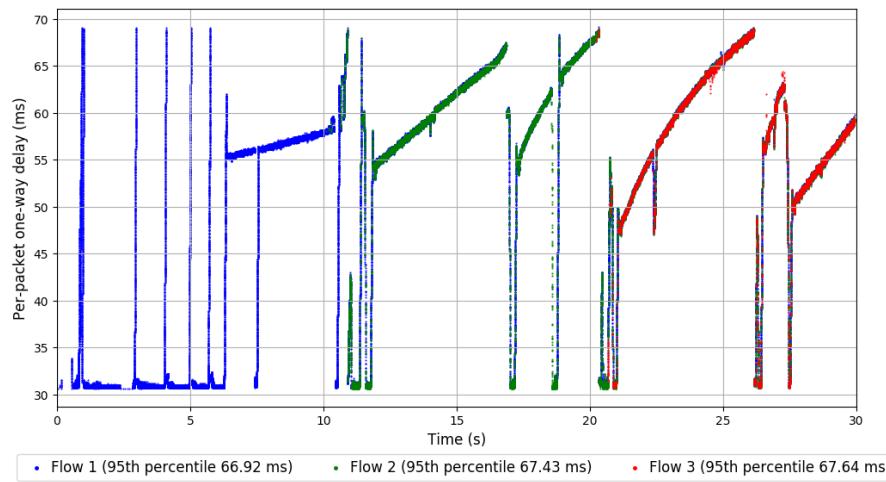
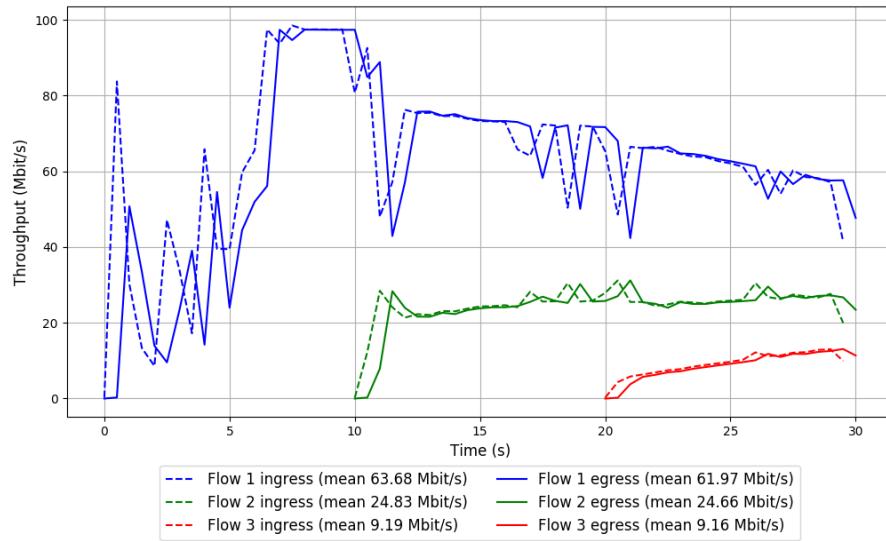


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:54:40
End at: 2018-09-25 09:55:10
Local clock offset: -0.068 ms
Remote clock offset: -3.46 ms

# Below is generated by plot.py at 2018-09-25 10:30:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 67.084 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 66.920 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 67.428 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 67.642 ms
Loss rate: 0.41%
```

Run 4: Report of QUIC Cubic — Data Link

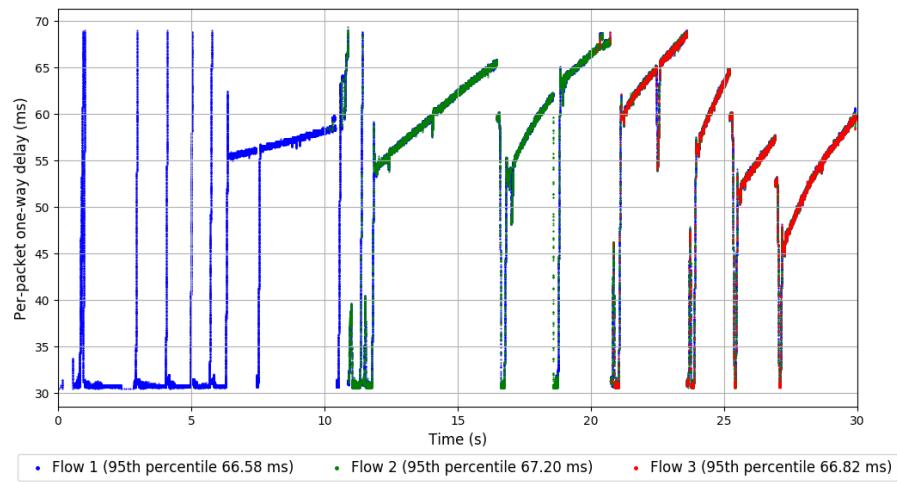
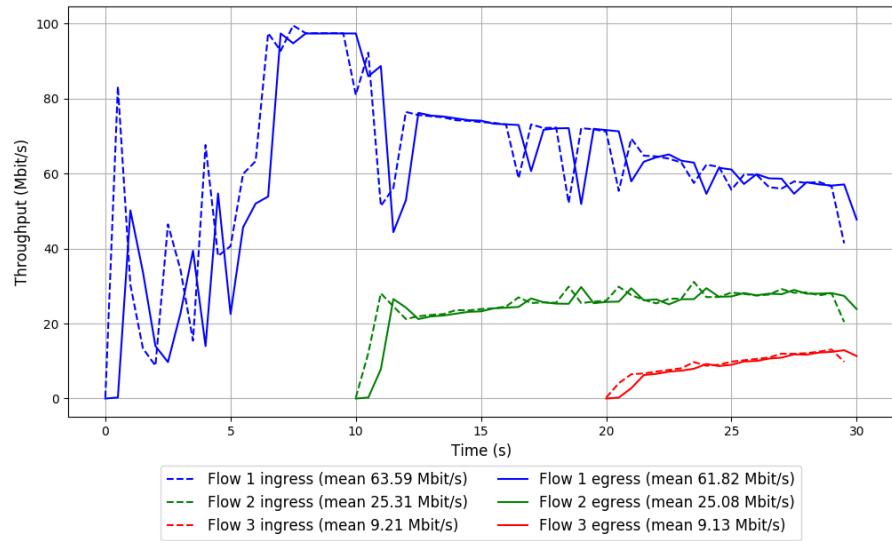


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-09-25 10:20:33
End at: 2018-09-25 10:21:03
Local clock offset: 0.071 ms
Remote clock offset: -3.497 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 66.747 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 61.82 Mbit/s
95th percentile per-packet one-way delay: 66.575 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 25.08 Mbit/s
95th percentile per-packet one-way delay: 67.202 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 66.822 ms
Loss rate: 0.91%
```

Run 5: Report of QUIC Cubic — Data Link

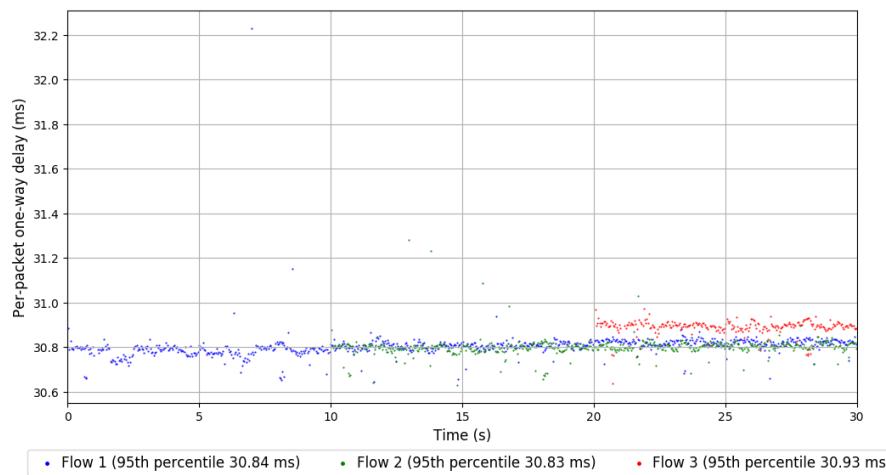
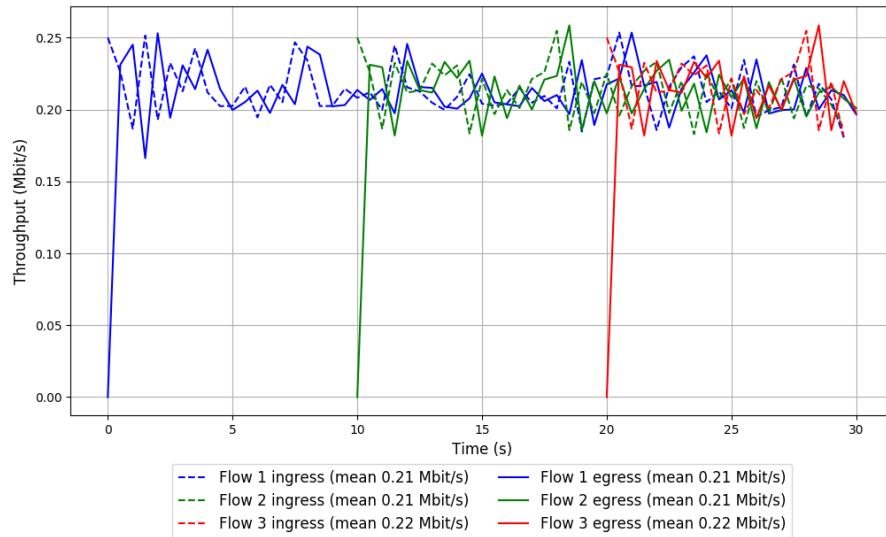


Run 1: Statistics of SCReAM

```
Start at: 2018-09-25 08:25:04
End at: 2018-09-25 08:25:34
Local clock offset: 3.038 ms
Remote clock offset: -4.123 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.927 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

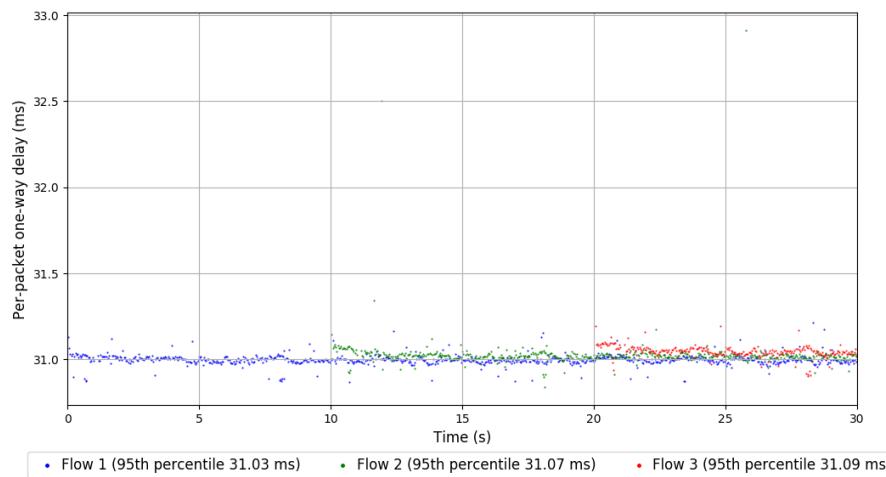
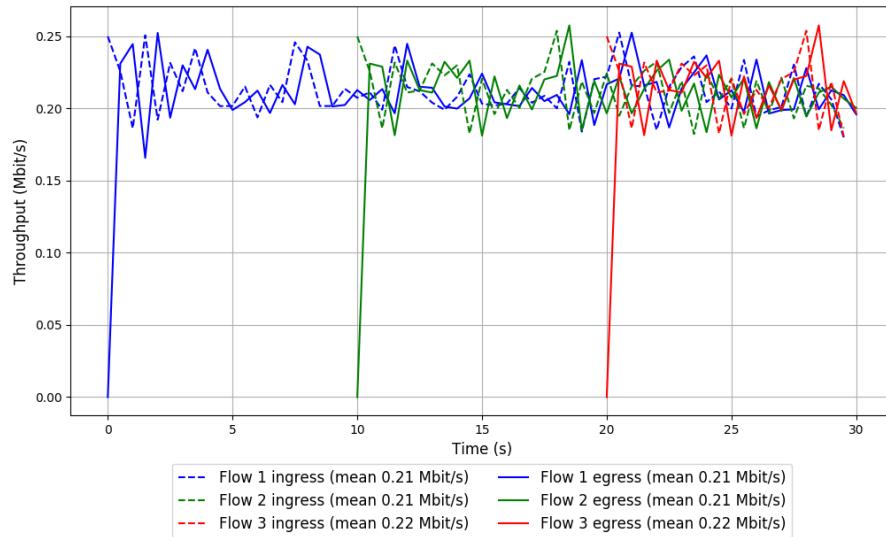


Run 2: Statistics of SCReAM

```
Start at: 2018-09-25 08:50:56
End at: 2018-09-25 08:51:26
Local clock offset: 3.537 ms
Remote clock offset: -3.653 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

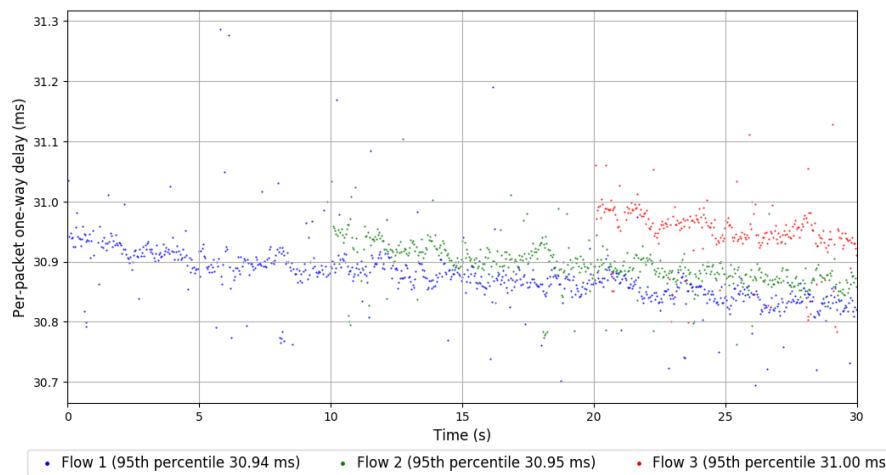
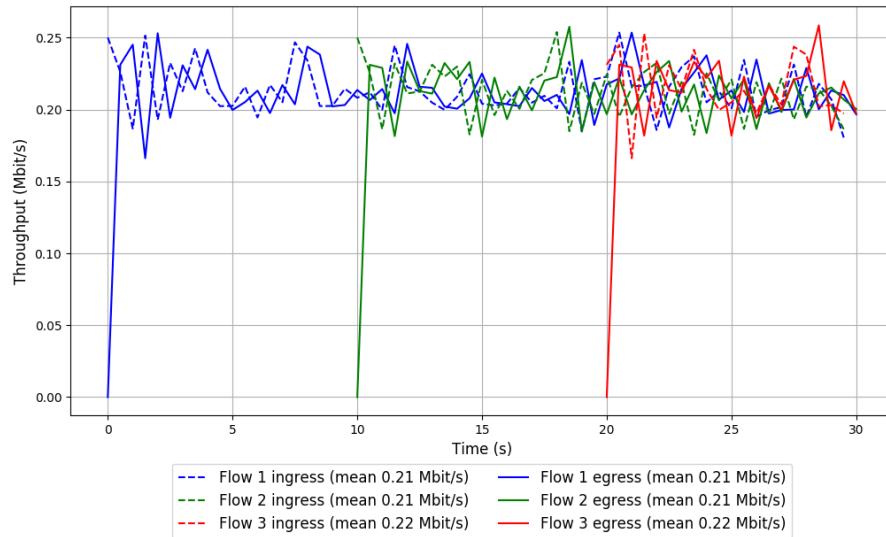


Run 3: Statistics of SCReAM

```
Start at: 2018-09-25 09:16:42
End at: 2018-09-25 09:17:12
Local clock offset: 1.55 ms
Remote clock offset: -3.476 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.998 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

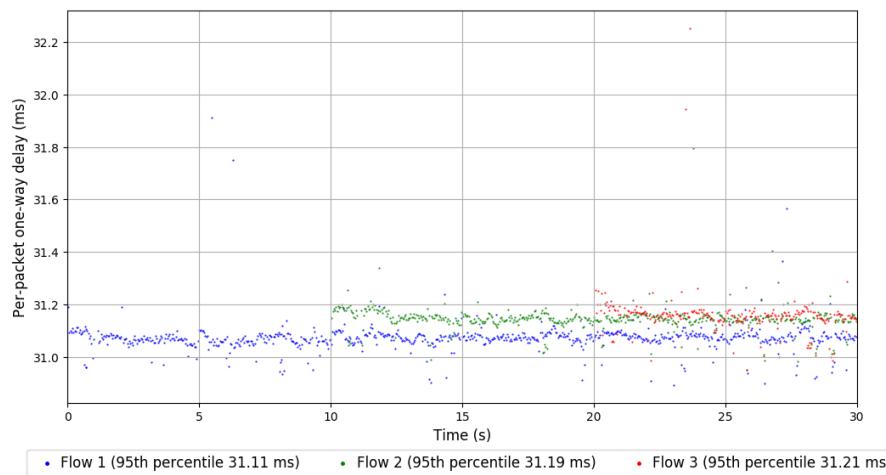
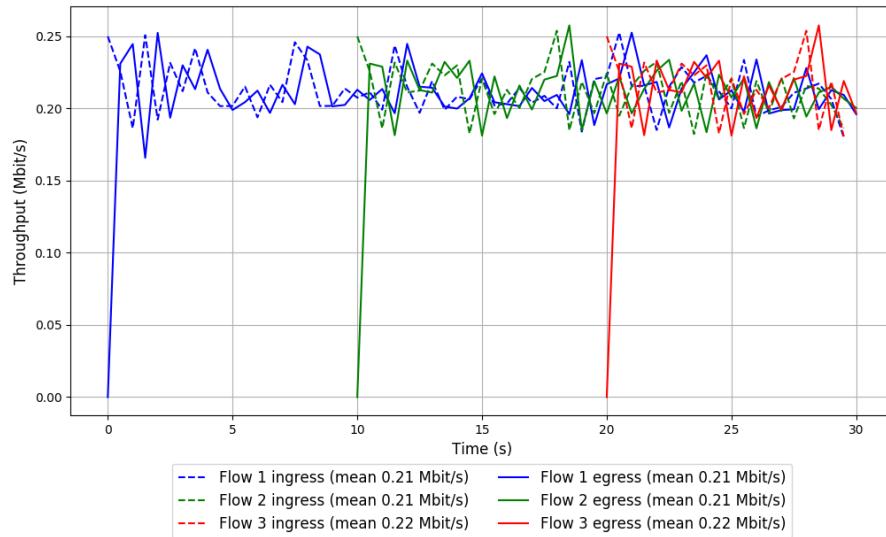


Run 4: Statistics of SCReAM

```
Start at: 2018-09-25 09:42:31
End at: 2018-09-25 09:43:01
Local clock offset: -0.265 ms
Remote clock offset: -3.365 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

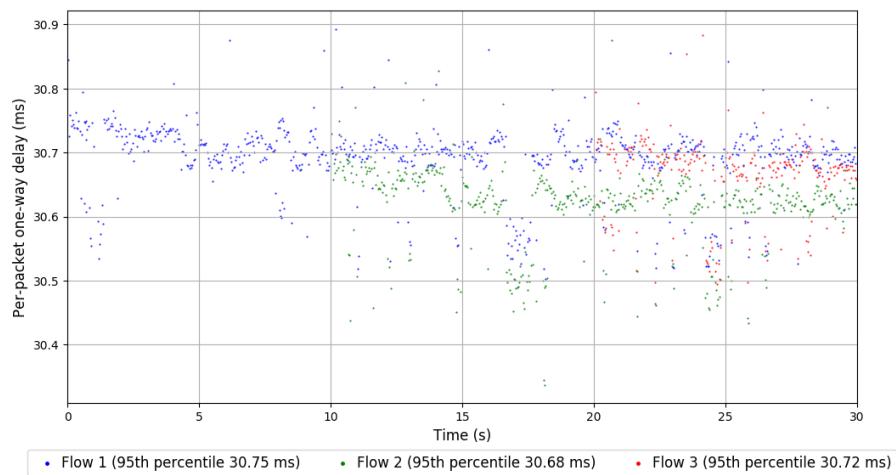
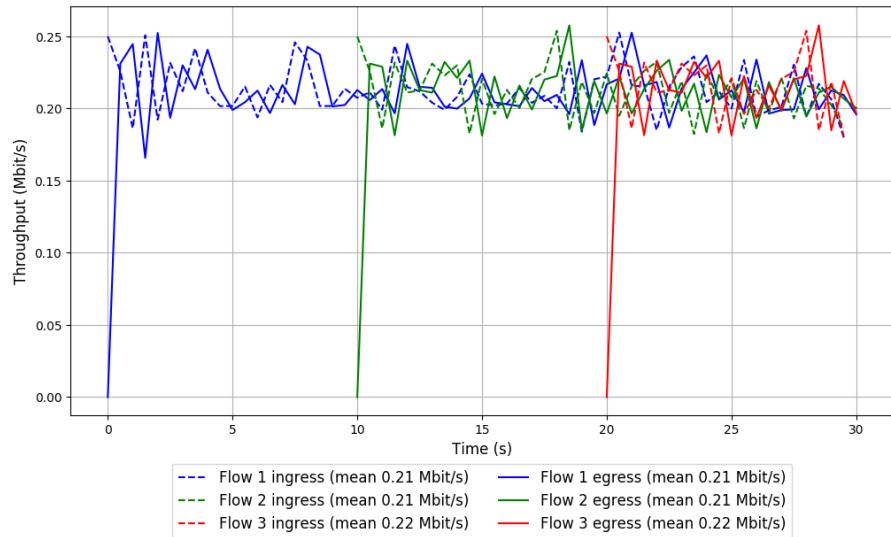


Run 5: Statistics of SCReAM

```
Start at: 2018-09-25 10:08:23
End at: 2018-09-25 10:08:53
Local clock offset: -0.231 ms
Remote clock offset: -3.609 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.747 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.722 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

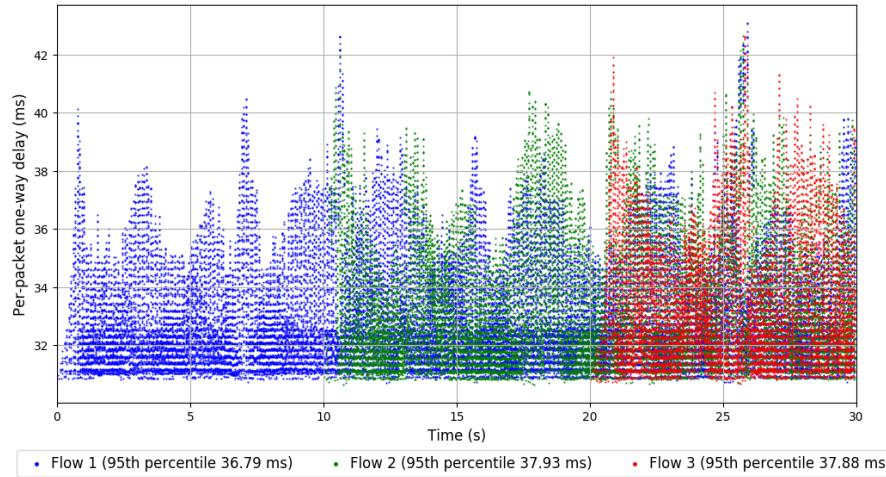
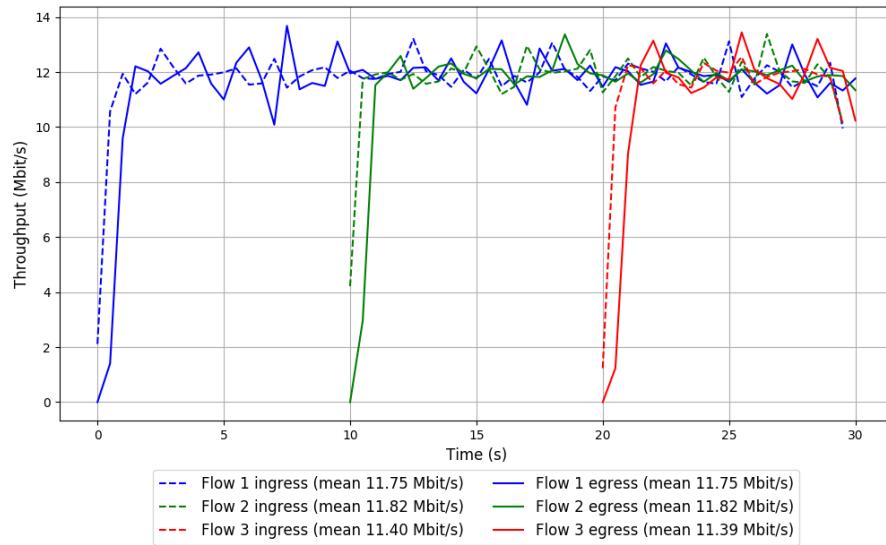


Run 1: Statistics of Sprout

```
Start at: 2018-09-25 08:27:45
End at: 2018-09-25 08:28:15
Local clock offset: 3.304 ms
Remote clock offset: -3.97 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 37.419 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 36.789 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 37.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 37.883 ms
Loss rate: 0.05%
```

Run 1: Report of Sprout — Data Link

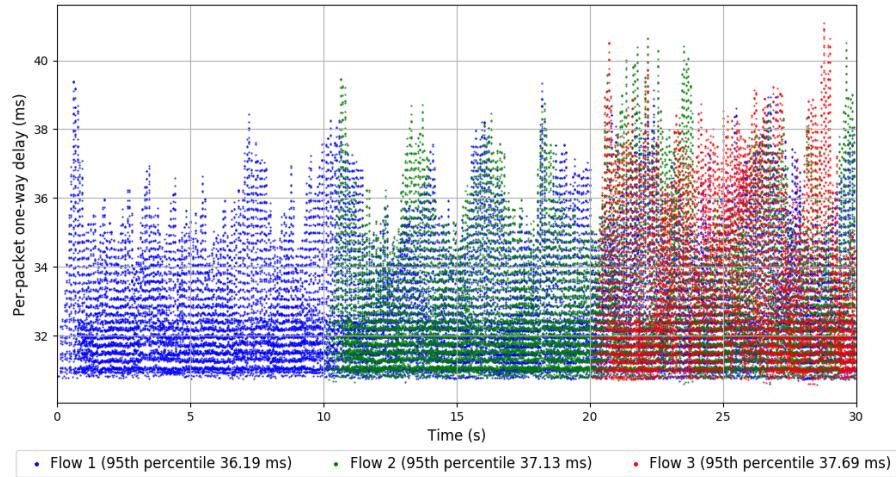
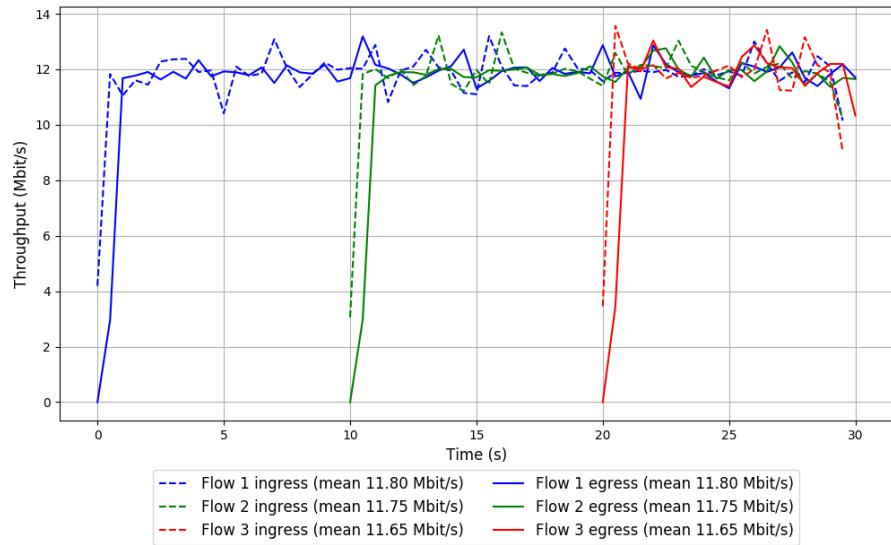


Run 2: Statistics of Sprout

```
Start at: 2018-09-25 08:53:35
End at: 2018-09-25 08:54:06
Local clock offset: 3.515 ms
Remote clock offset: -3.773 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 36.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 36.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 37.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 37.687 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

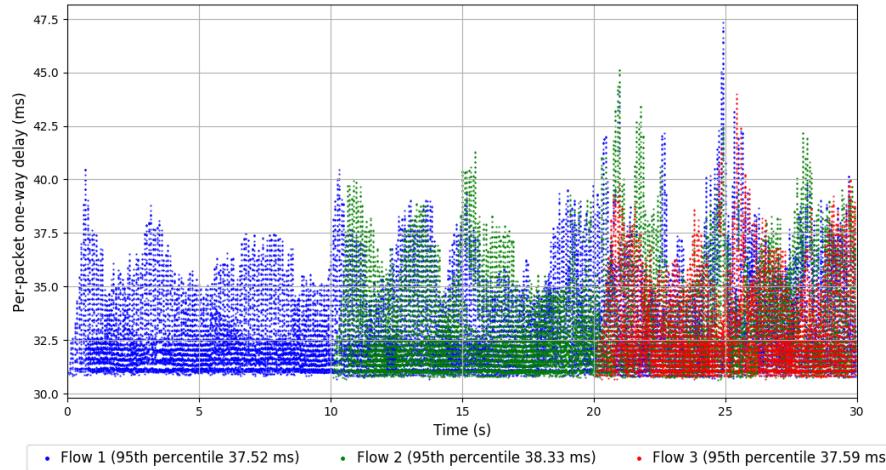
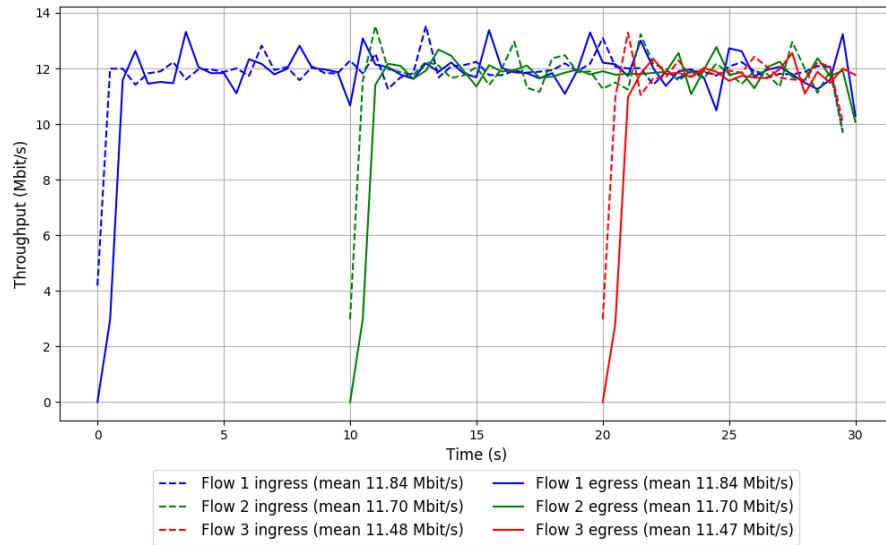


Run 3: Statistics of Sprout

```
Start at: 2018-09-25 09:19:23
End at: 2018-09-25 09:19:53
Local clock offset: 1.128 ms
Remote clock offset: -3.464 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 37.826 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 37.516 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 38.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 37.594 ms
Loss rate: 0.08%
```

Run 3: Report of Sprout — Data Link

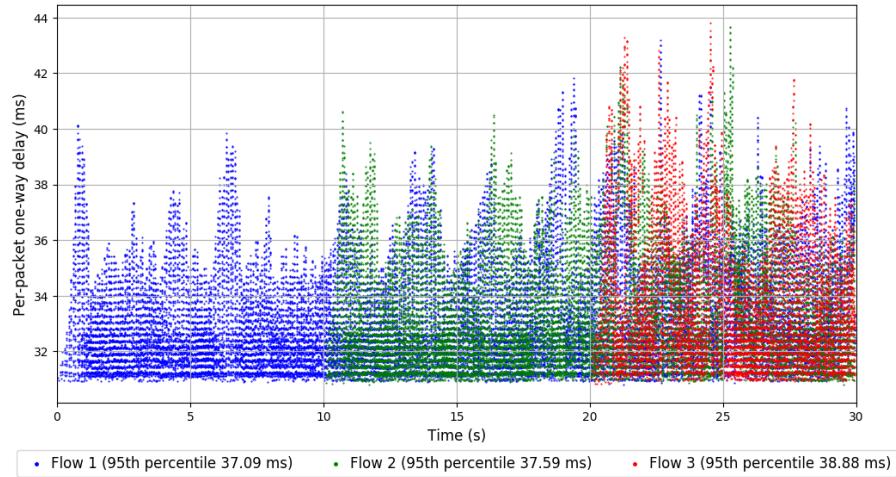
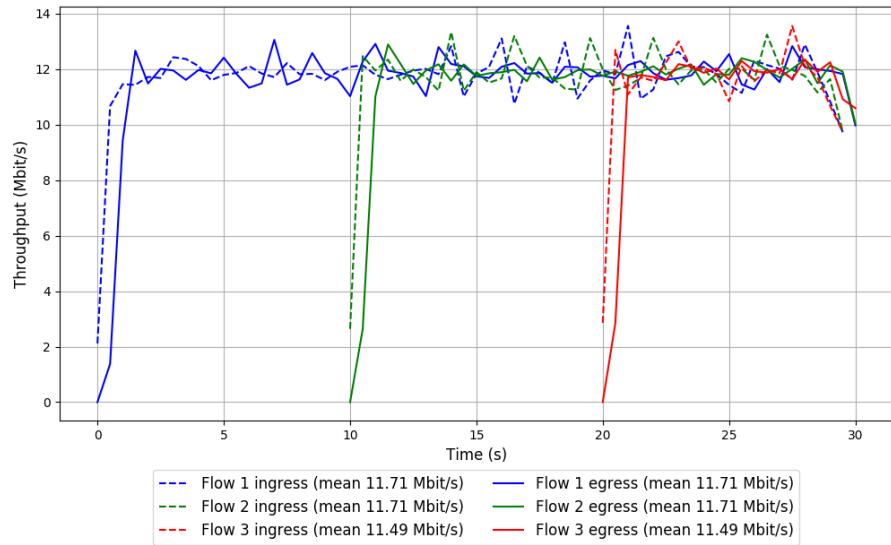


Run 4: Statistics of Sprout

```
Start at: 2018-09-25 09:45:12
End at: 2018-09-25 09:45:42
Local clock offset: -0.176 ms
Remote clock offset: -3.382 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 37.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 37.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 37.589 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 38.879 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

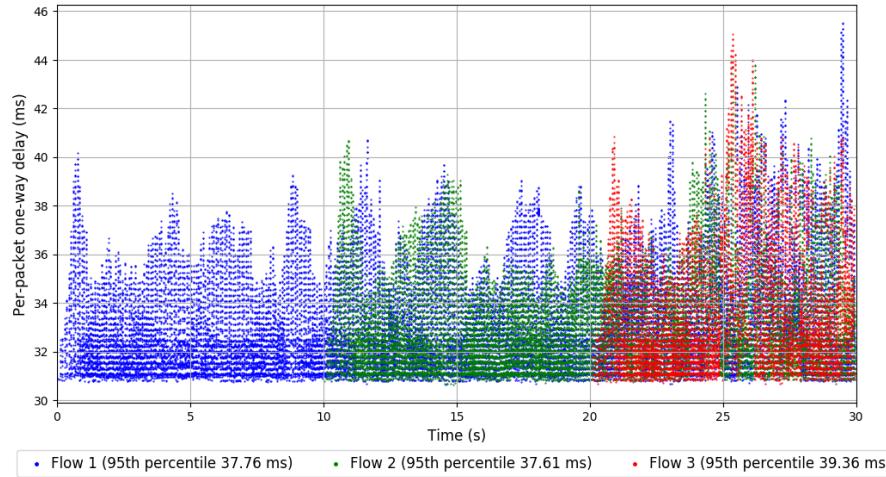
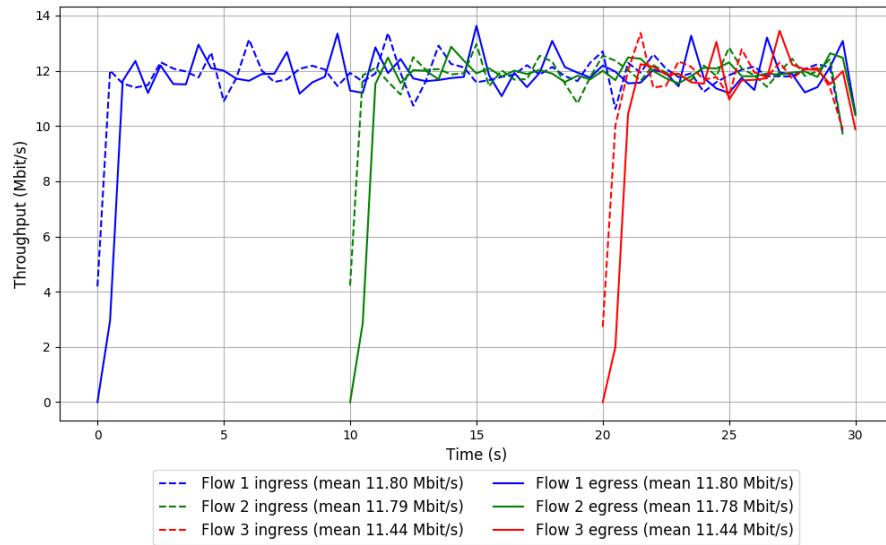


Run 5: Statistics of Sprout

```
Start at: 2018-09-25 10:11:04
End at: 2018-09-25 10:11:34
Local clock offset: -0.162 ms
Remote clock offset: -3.378 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 38.038 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 37.764 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 37.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 39.359 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

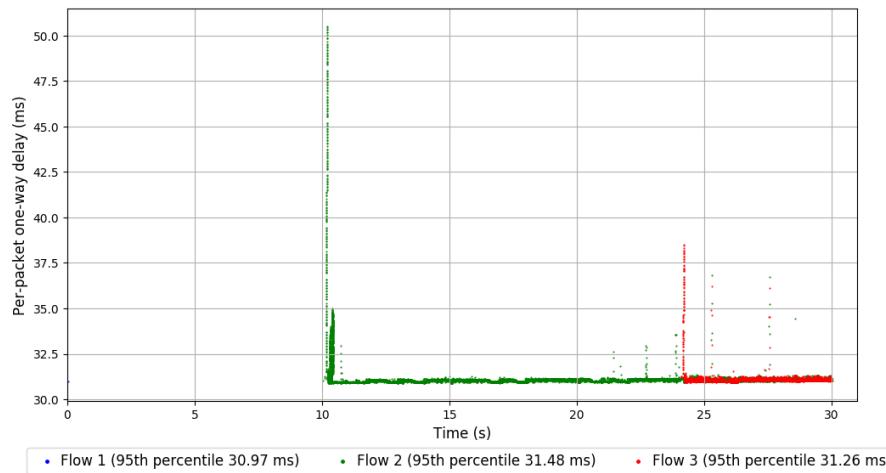
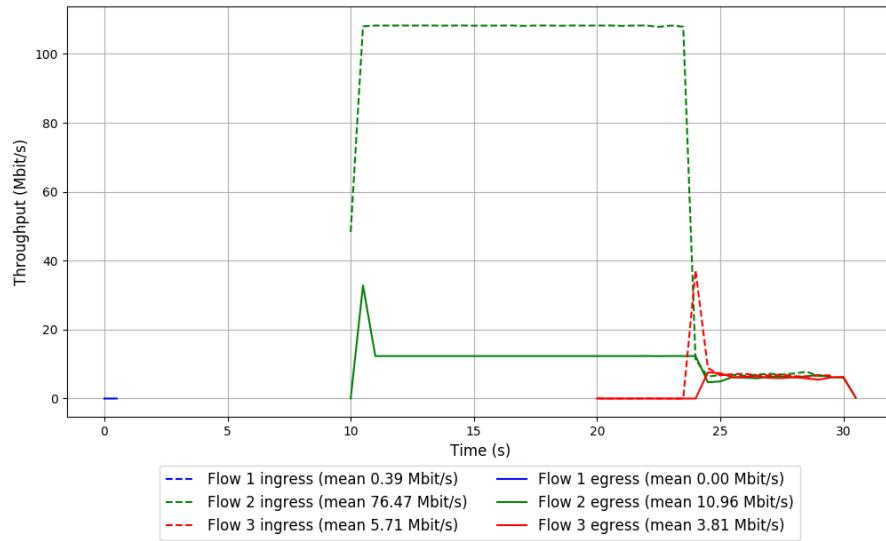


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-09-25 08:15:34
End at: 2018-09-25 08:16:04
Local clock offset: 1.548 ms
Remote clock offset: -3.969 ms

# Below is generated by plot.py at 2018-09-25 10:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 31.349 ms
Loss rate: 83.79%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.968 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 31.477 ms
Loss rate: 85.67%
-- Flow 3:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 31.261 ms
Loss rate: 33.33%
```

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

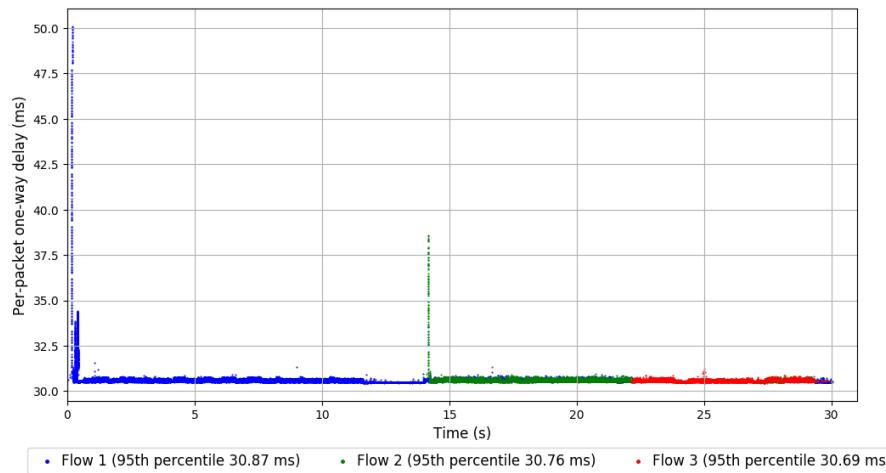
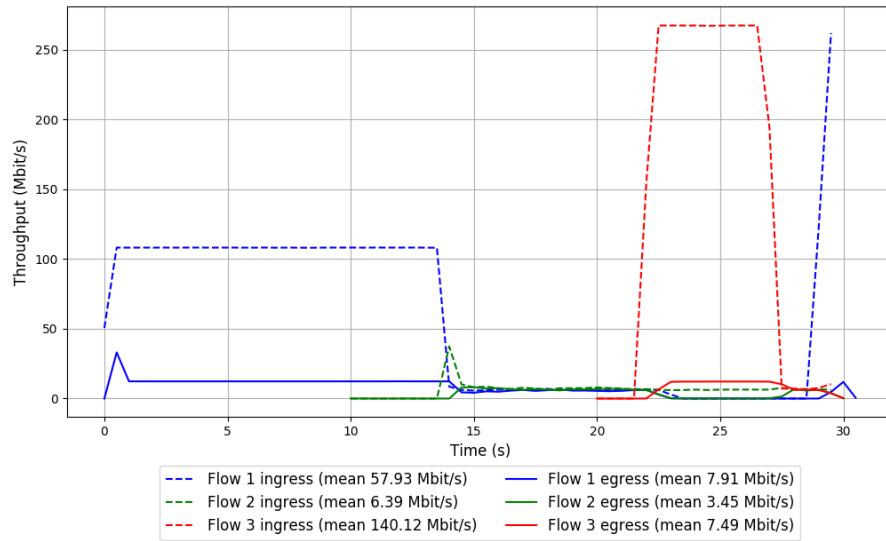


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-09-25 08:41:23
End at: 2018-09-25 08:41:53
Local clock offset: 3.842 ms
Remote clock offset: -4.146 ms

# Below is generated by plot.py at 2018-09-25 10:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 88.34%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 30.872 ms
Loss rate: 86.35%
-- Flow 2:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 30.756 ms
Loss rate: 46.13%
-- Flow 3:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 30.686 ms
Loss rate: 94.67%
```

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

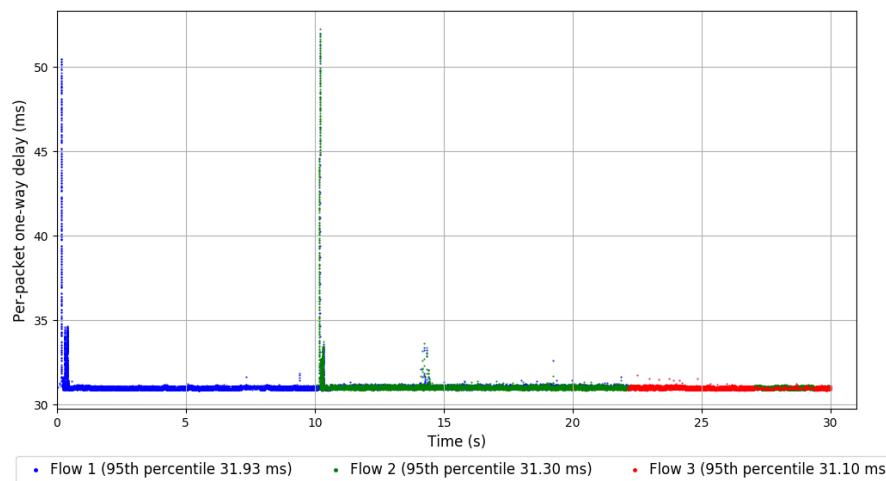
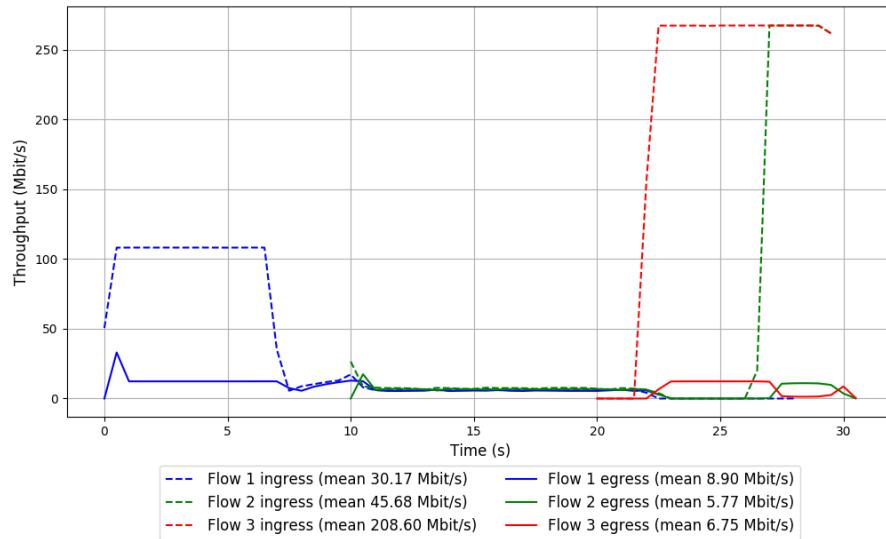


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:07:09
End at: 2018-09-25 09:07:39
Local clock offset: 3.607 ms
Remote clock offset: -3.656 ms

# Below is generated by plot.py at 2018-09-25 10:31:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 31.241 ms
Loss rate: 90.11%
-- Flow 1:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 31.925 ms
Loss rate: 76.84%
-- Flow 2:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 31.300 ms
Loss rate: 87.36%
-- Flow 3:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 96.76%
```

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

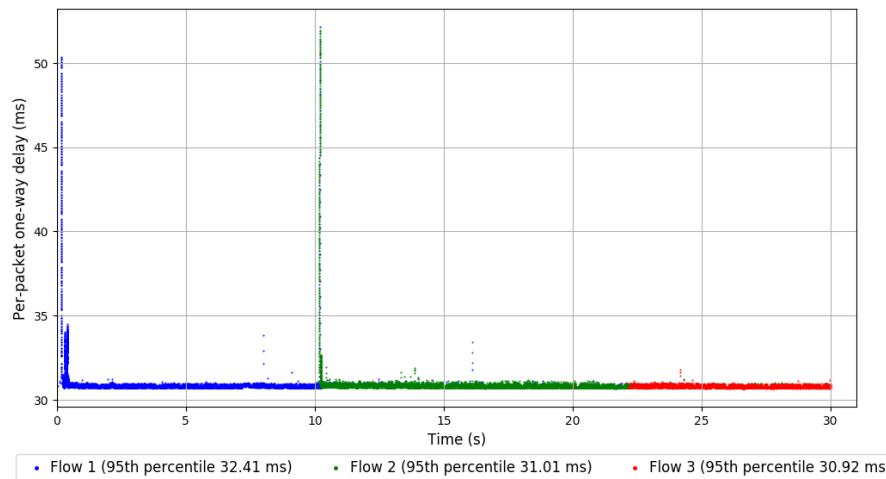
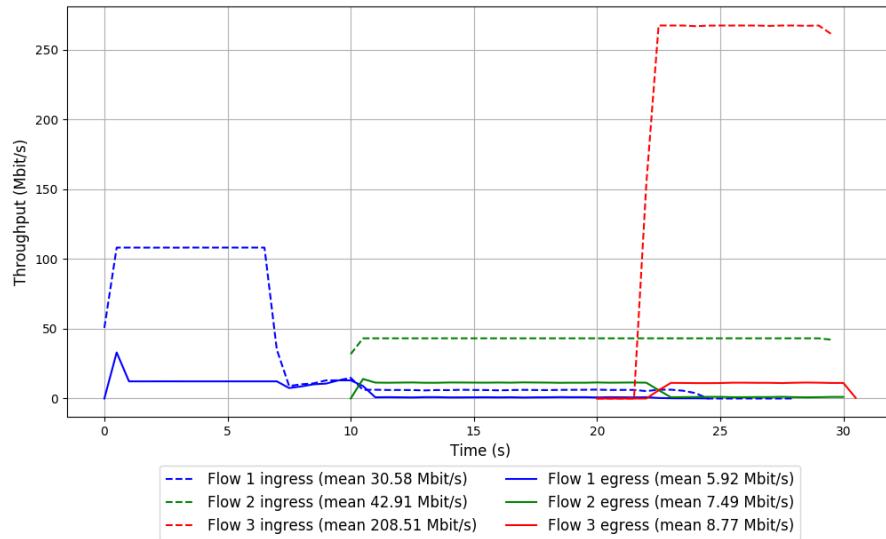


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:32:56
End at: 2018-09-25 09:33:26
Local clock offset: -0.124 ms
Remote clock offset: -3.576 ms

# Below is generated by plot.py at 2018-09-25 10:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 31.053 ms
Loss rate: 90.00%
-- Flow 1:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 32.409 ms
Loss rate: 83.42%
-- Flow 2:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 31.010 ms
Loss rate: 82.59%
-- Flow 3:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 30.922 ms
Loss rate: 95.80%
```

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

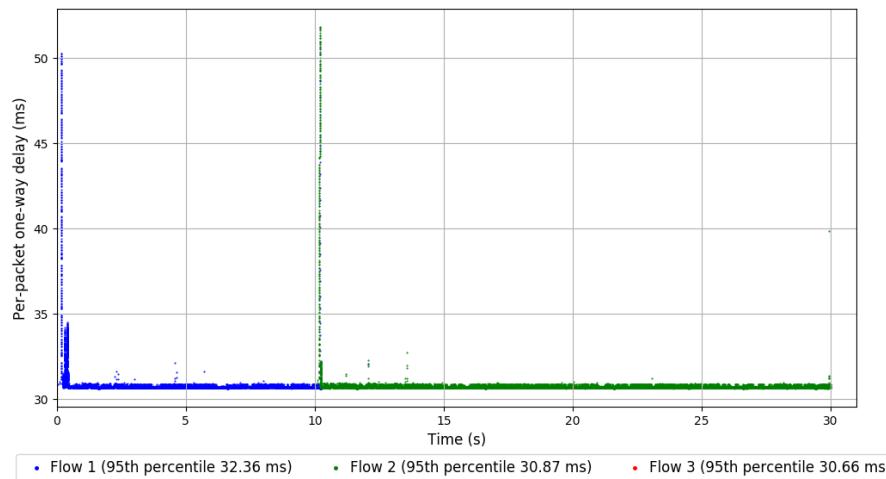
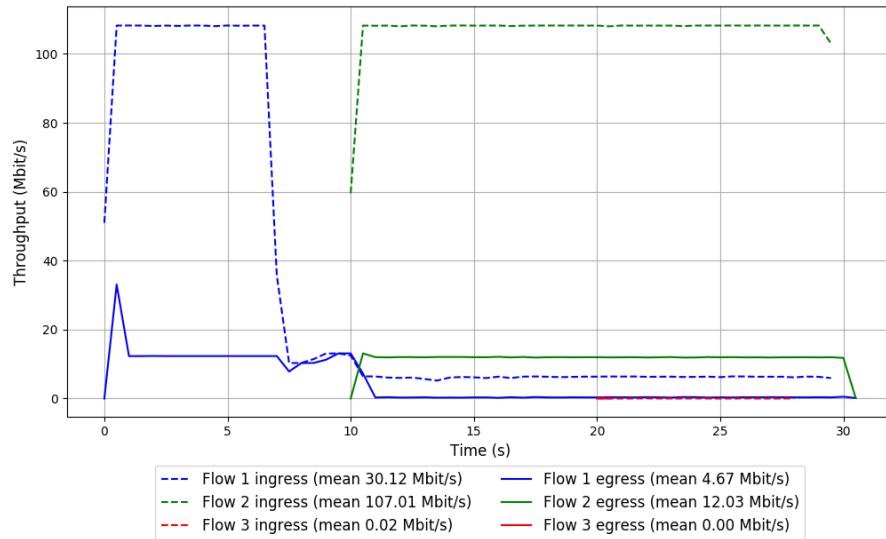


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:58:48
End at: 2018-09-25 09:59:18
Local clock offset: -0.101 ms
Remote clock offset: -3.525 ms

# Below is generated by plot.py at 2018-09-25 10:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 30.926 ms
Loss rate: 87.49%
-- Flow 1:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 32.357 ms
Loss rate: 84.49%
-- Flow 2:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 30.866 ms
Loss rate: 88.76%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.659 ms
Loss rate: 99.16%
```

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

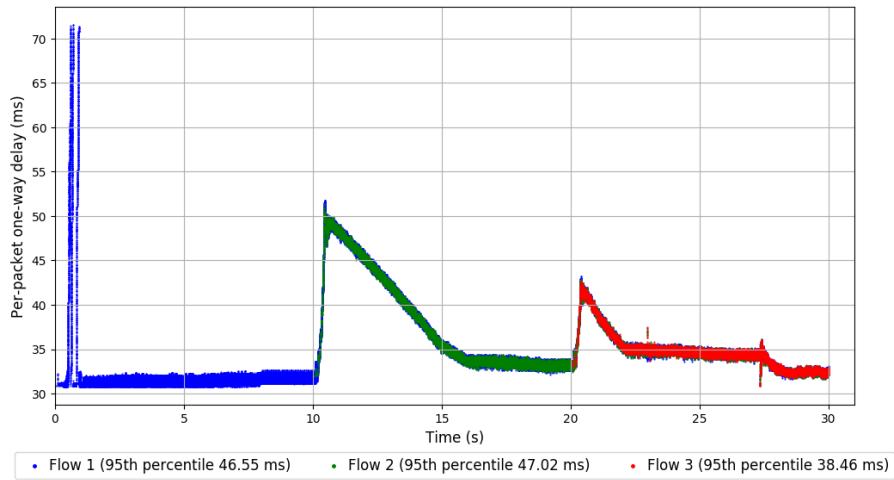
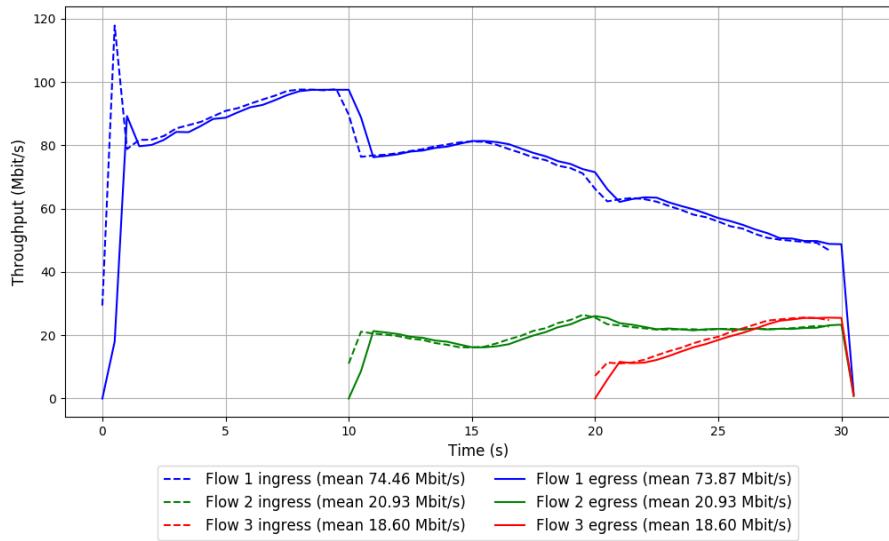


Run 1: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:29:03
End at: 2018-09-25 08:29:33
Local clock offset: 3.413 ms
Remote clock offset: -3.935 ms

# Below is generated by plot.py at 2018-09-25 10:31:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 46.350 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 46.551 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 47.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 38.464 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

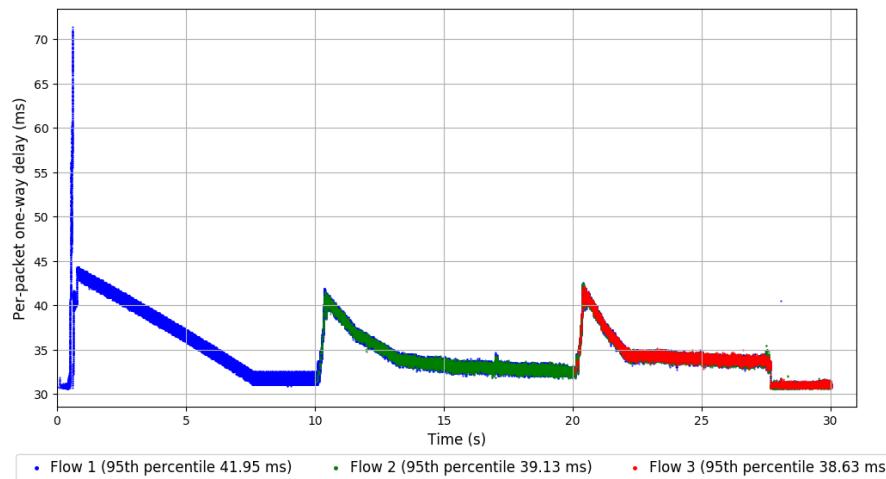
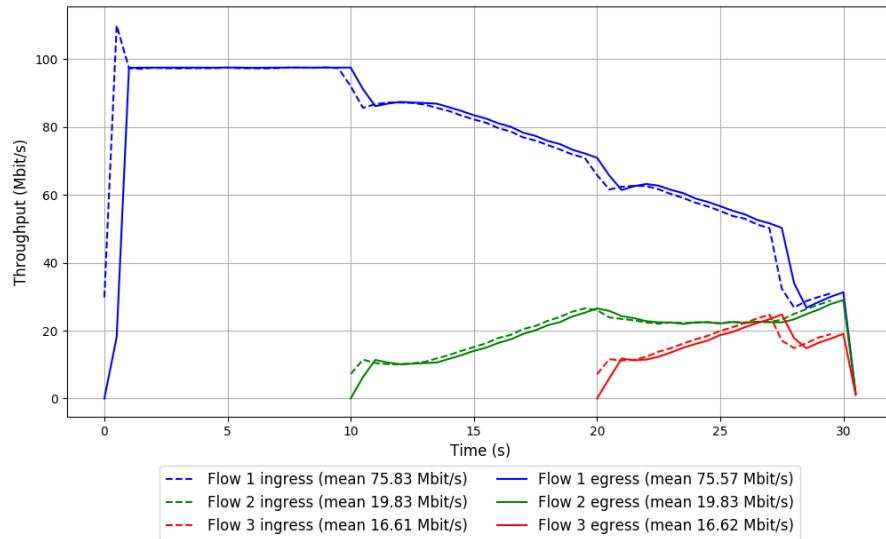


Run 2: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:54:54
End at: 2018-09-25 08:55:24
Local clock offset: 3.522 ms
Remote clock offset: -3.83 ms

# Below is generated by plot.py at 2018-09-25 10:32:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 41.602 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 41.950 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 39.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 38.627 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Vegas — Data Link

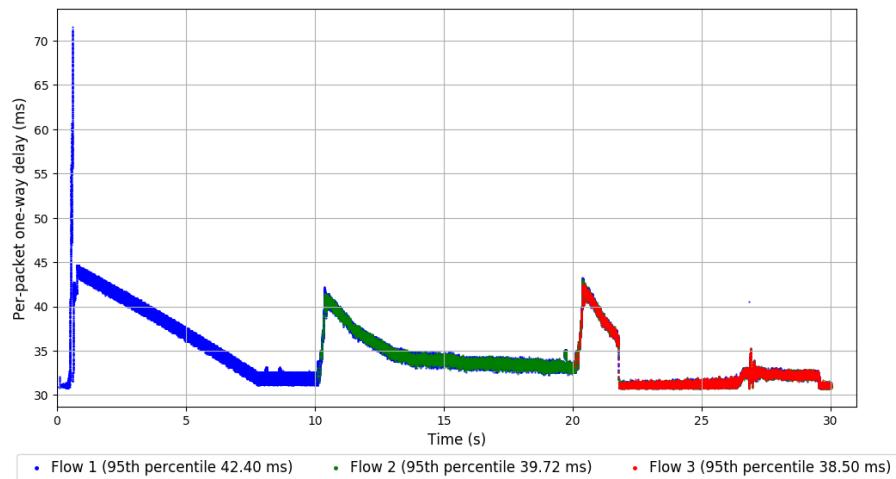
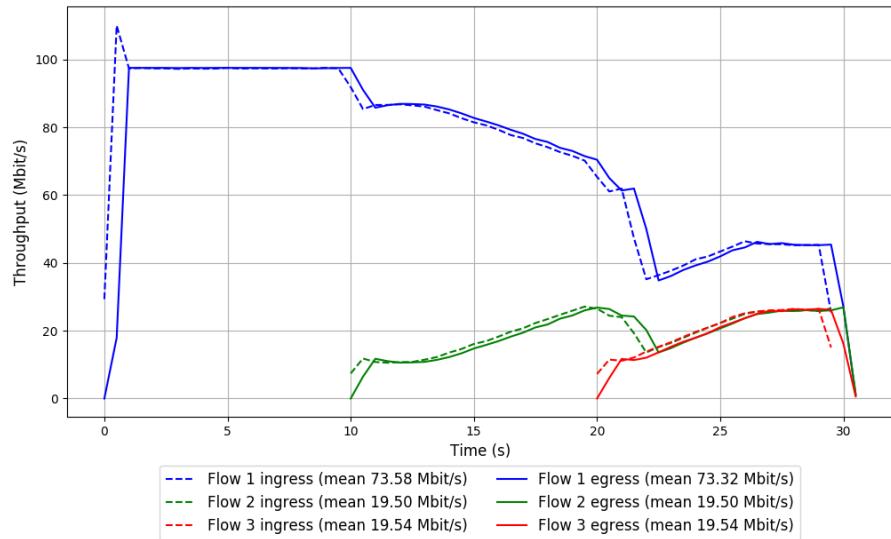


Run 3: Statistics of TCP Vegas

```
Start at: 2018-09-25 09:20:42
End at: 2018-09-25 09:21:12
Local clock offset: 0.912 ms
Remote clock offset: -3.524 ms

# Below is generated by plot.py at 2018-09-25 10:32:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 41.957 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 42.402 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 39.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 38.501 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

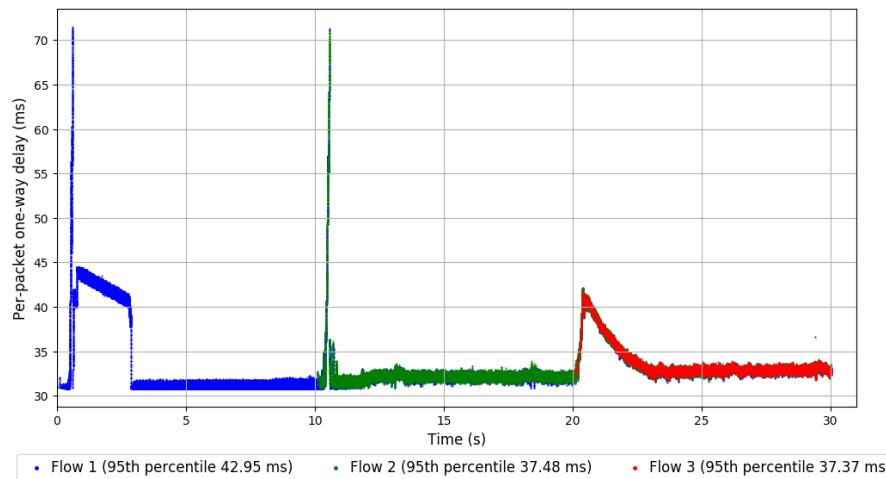
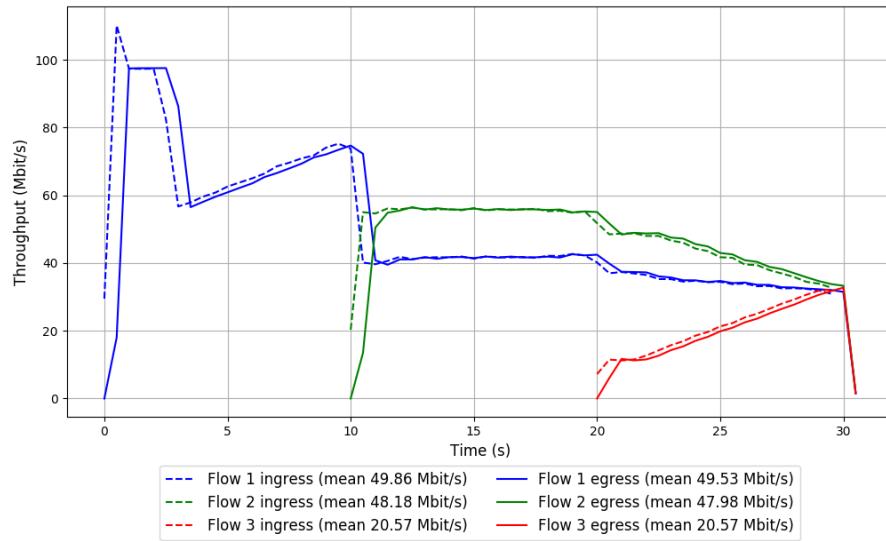


Run 4: Statistics of TCP Vegas

```
Start at: 2018-09-25 09:46:31
End at: 2018-09-25 09:47:01
Local clock offset: -0.141 ms
Remote clock offset: -3.416 ms

# Below is generated by plot.py at 2018-09-25 10:32:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 42.178 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 42.955 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 37.475 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 37.374 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

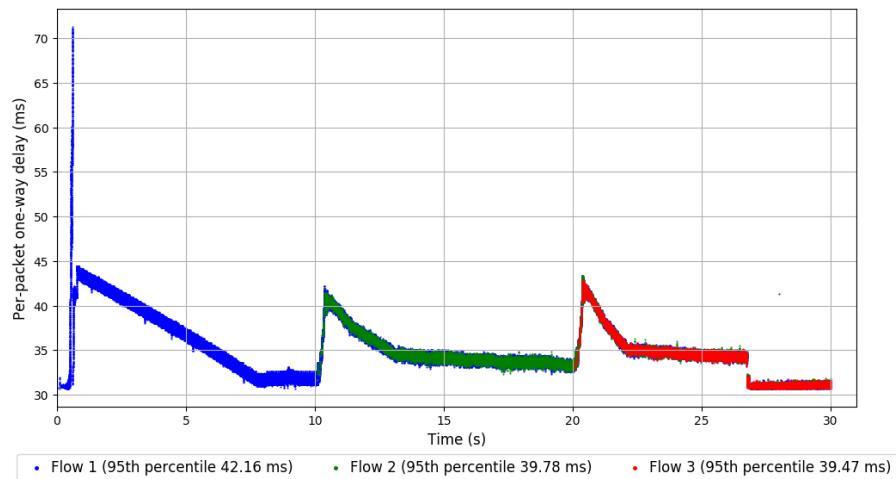
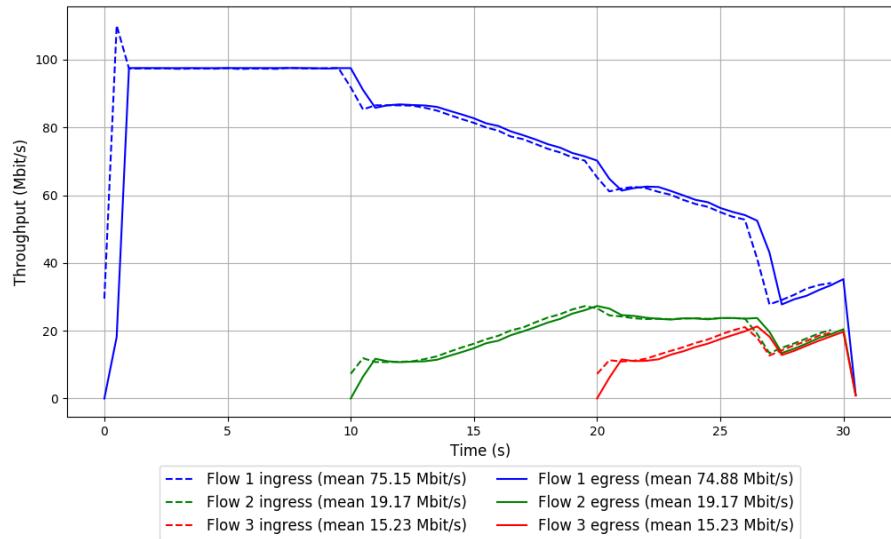


Run 5: Statistics of TCP Vegas

```
Start at: 2018-09-25 10:12:24
End at: 2018-09-25 10:12:54
Local clock offset: -0.11 ms
Remote clock offset: -3.385 ms

# Below is generated by plot.py at 2018-09-25 10:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 41.862 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 42.163 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 19.17 Mbit/s
95th percentile per-packet one-way delay: 39.776 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 39.467 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

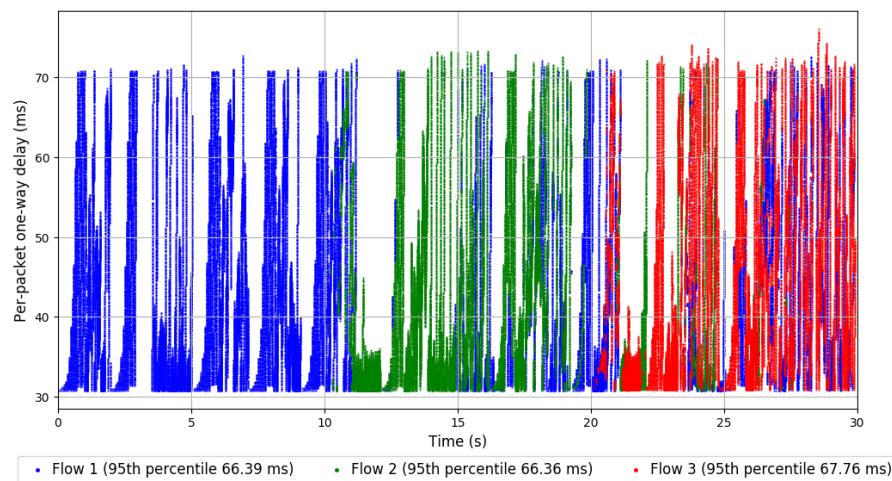
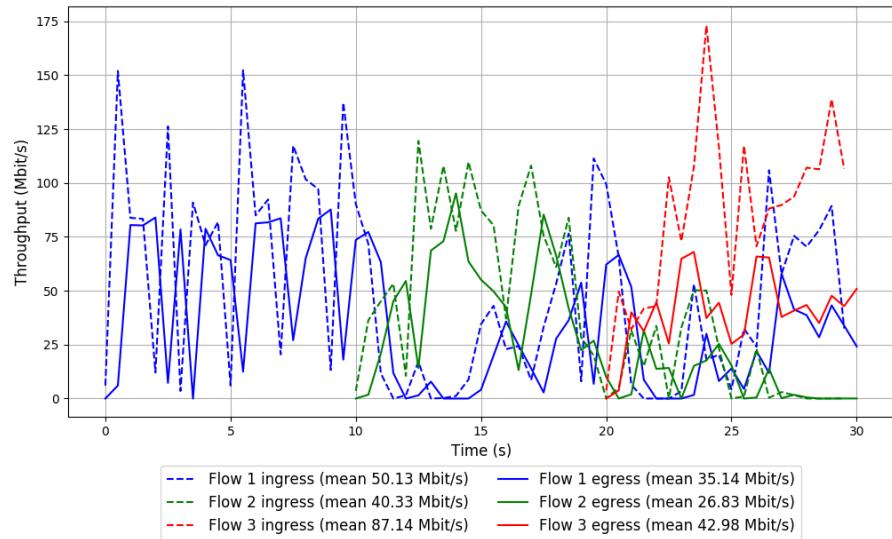


Run 1: Statistics of Verus

```
Start at: 2018-09-25 08:22:20
End at: 2018-09-25 08:22:50
Local clock offset: 2.731 ms
Remote clock offset: -4.052 ms

# Below is generated by plot.py at 2018-09-25 10:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 66.718 ms
Loss rate: 36.46%
-- Flow 1:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 66.392 ms
Loss rate: 29.84%
-- Flow 2:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 66.360 ms
Loss rate: 33.71%
-- Flow 3:
Average throughput: 42.98 Mbit/s
95th percentile per-packet one-way delay: 67.761 ms
Loss rate: 50.59%
```

Run 1: Report of Verus — Data Link

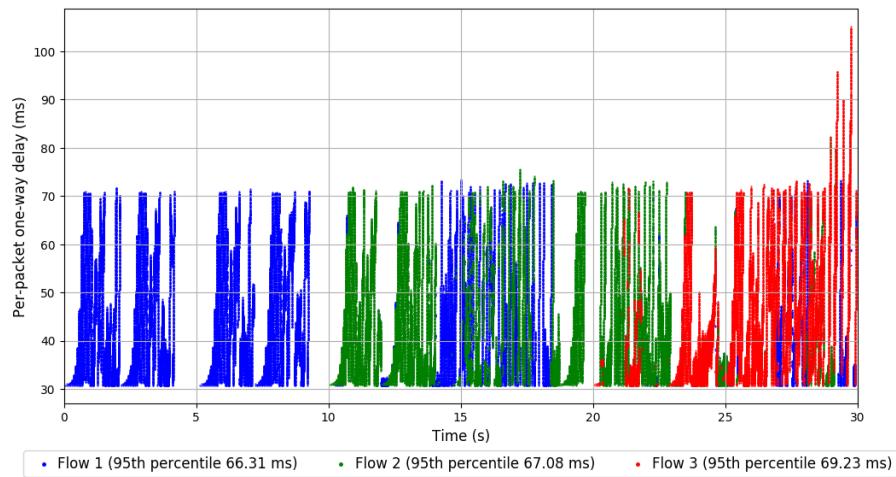
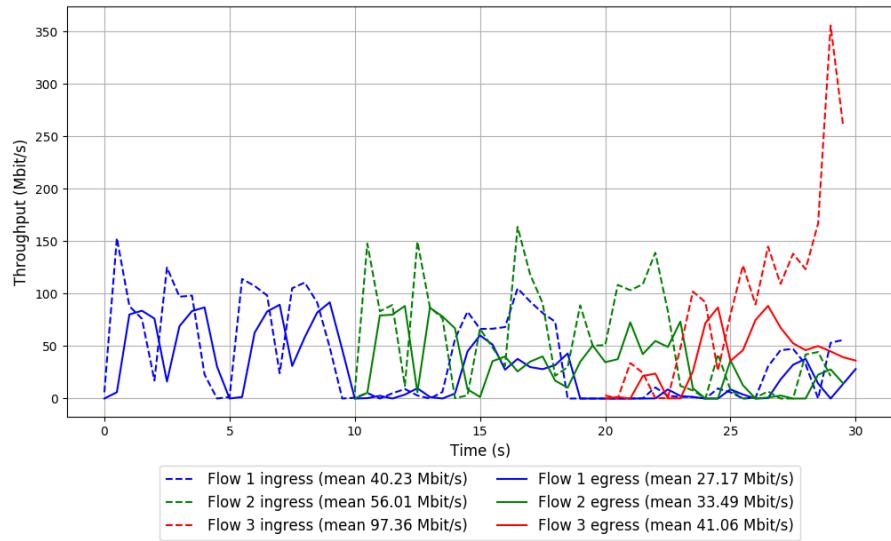


Run 2: Statistics of Verus

```
Start at: 2018-09-25 08:48:11
End at: 2018-09-25 08:48:41
Local clock offset: 3.574 ms
Remote clock offset: -3.85 ms

# Below is generated by plot.py at 2018-09-25 10:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 67.175 ms
Loss rate: 42.50%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 66.307 ms
Loss rate: 32.40%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 67.079 ms
Loss rate: 40.18%
-- Flow 3:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 69.228 ms
Loss rate: 57.70%
```

Run 2: Report of Verus — Data Link

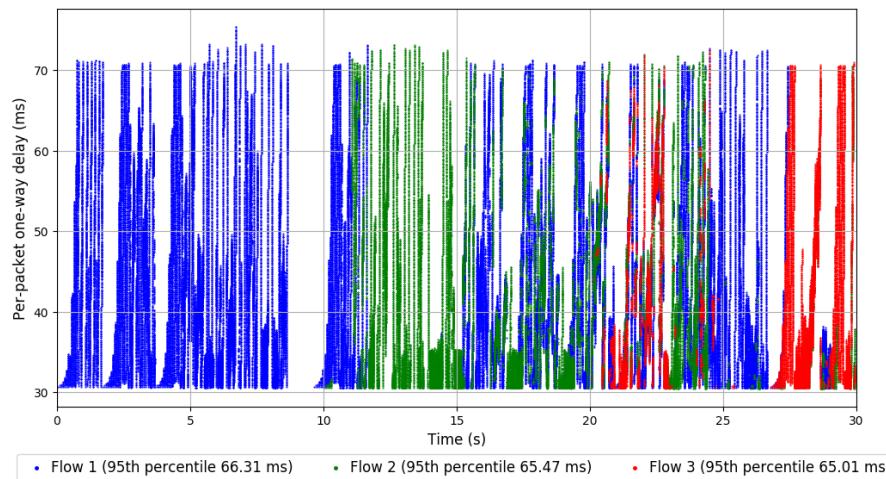
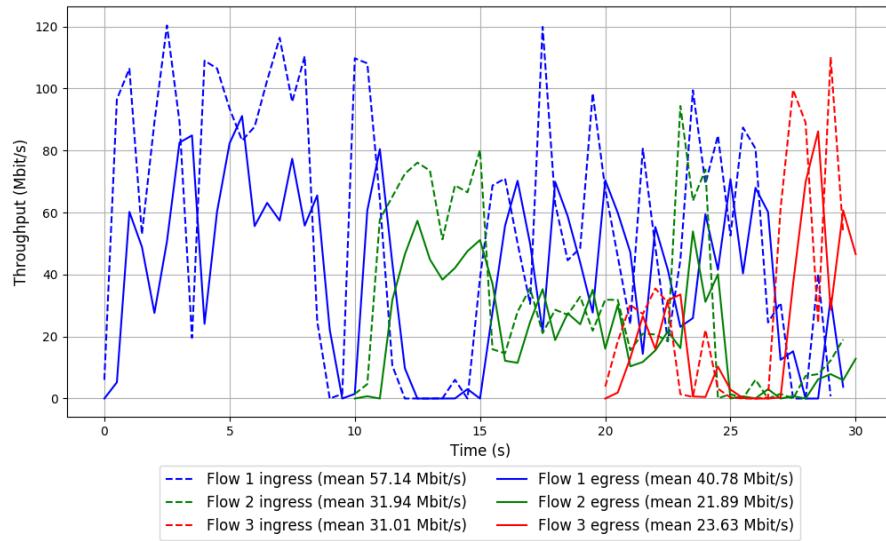


Run 3: Statistics of Verus

```
Start at: 2018-09-25 09:13:57
End at: 2018-09-25 09:14:27
Local clock offset: 2.23 ms
Remote clock offset: -3.565 ms

# Below is generated by plot.py at 2018-09-25 10:32:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 65.963 ms
Loss rate: 28.85%
-- Flow 1:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 66.307 ms
Loss rate: 28.79%
-- Flow 2:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 65.472 ms
Loss rate: 31.45%
-- Flow 3:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 65.006 ms
Loss rate: 23.78%
```

Run 3: Report of Verus — Data Link

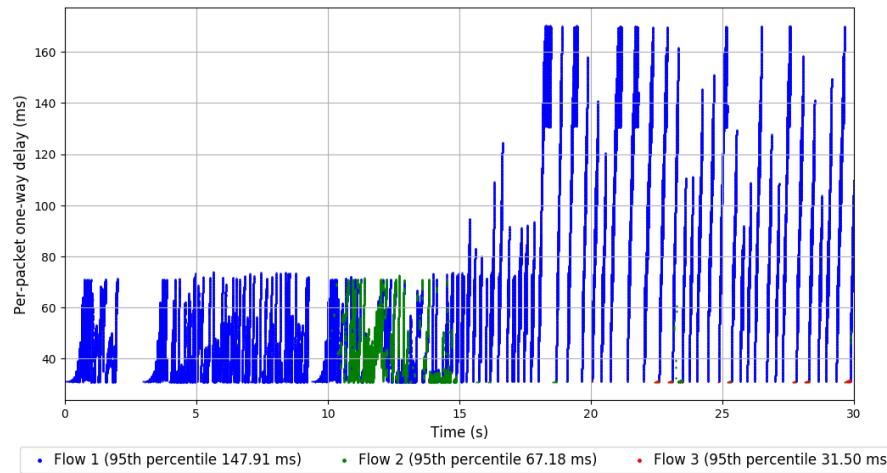
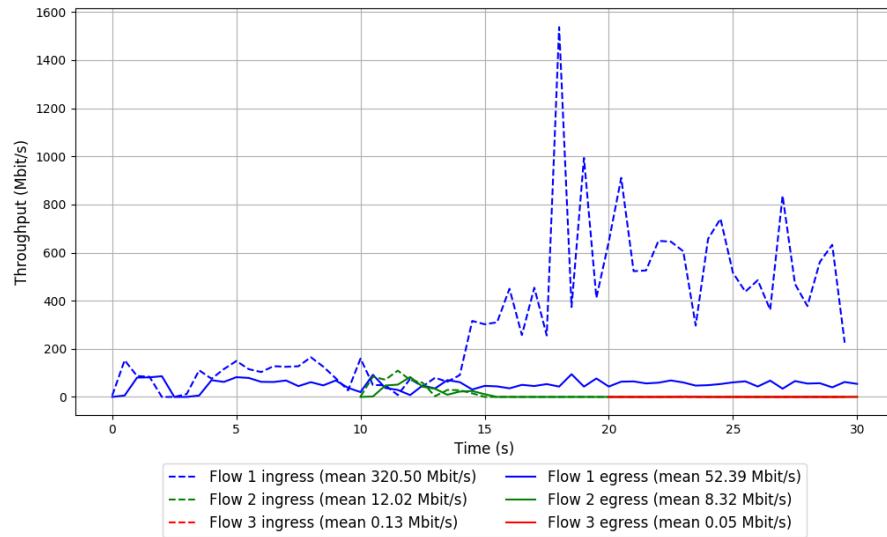


Run 4: Statistics of Verus

```
Start at: 2018-09-25 09:39:43
End at: 2018-09-25 09:40:13
Local clock offset: -0.445 ms
Remote clock offset: -3.533 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 146.114 ms
Loss rate: 82.34%
-- Flow 1:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 147.909 ms
Loss rate: 83.62%
-- Flow 2:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 67.181 ms
Loss rate: 30.81%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.498 ms
Loss rate: 57.14%
```

Run 4: Report of Verus — Data Link

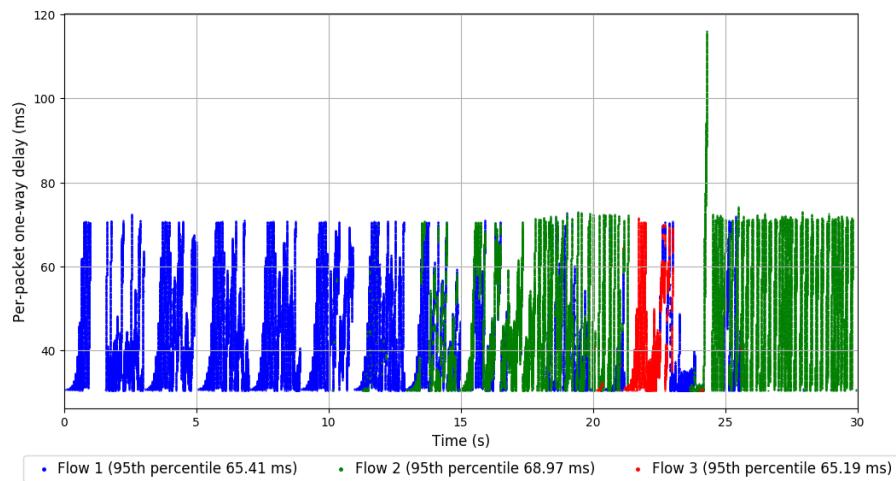
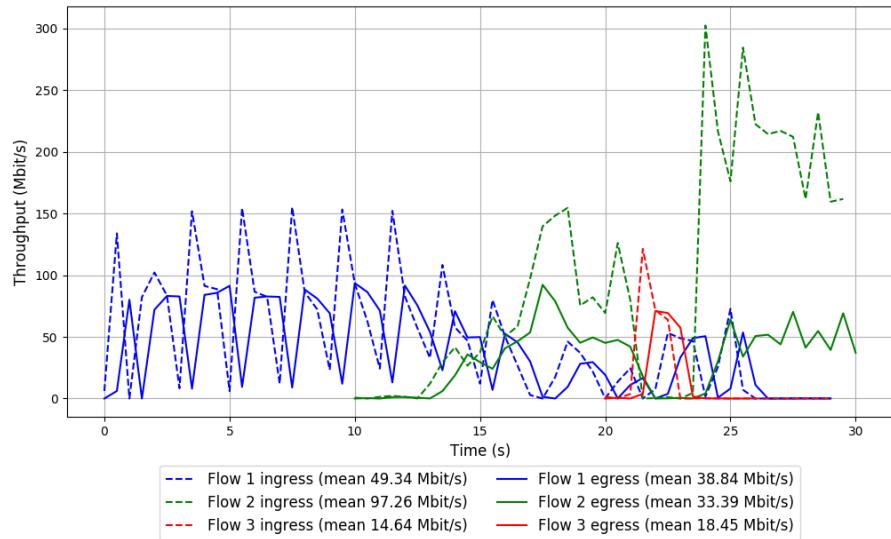


Run 5: Statistics of Verus

```
Start at: 2018-09-25 10:05:36
End at: 2018-09-25 10:06:06
Local clock offset: -0.183 ms
Remote clock offset: -3.59 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 67.054 ms
Loss rate: 46.21%
-- Flow 1:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 65.406 ms
Loss rate: 22.32%
-- Flow 2:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 68.966 ms
Loss rate: 65.72%
-- Flow 3:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 65.187 ms
Loss rate: 22.31%
```

Run 5: Report of Verus — Data Link

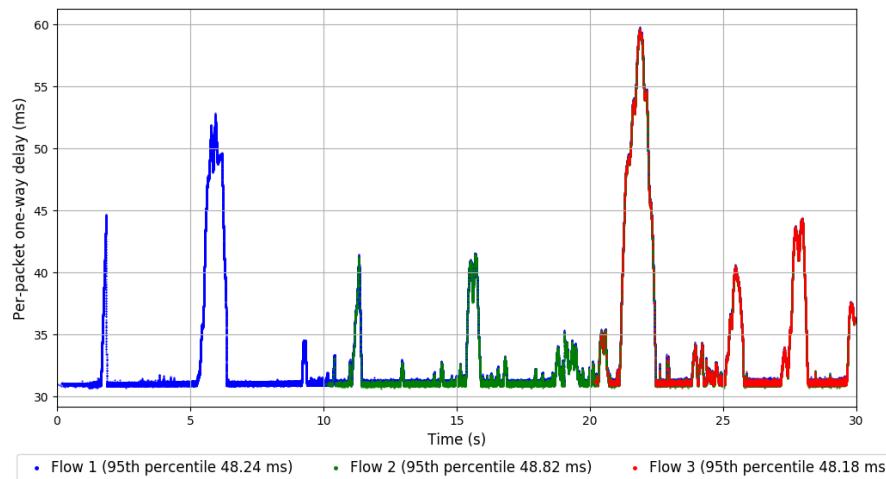
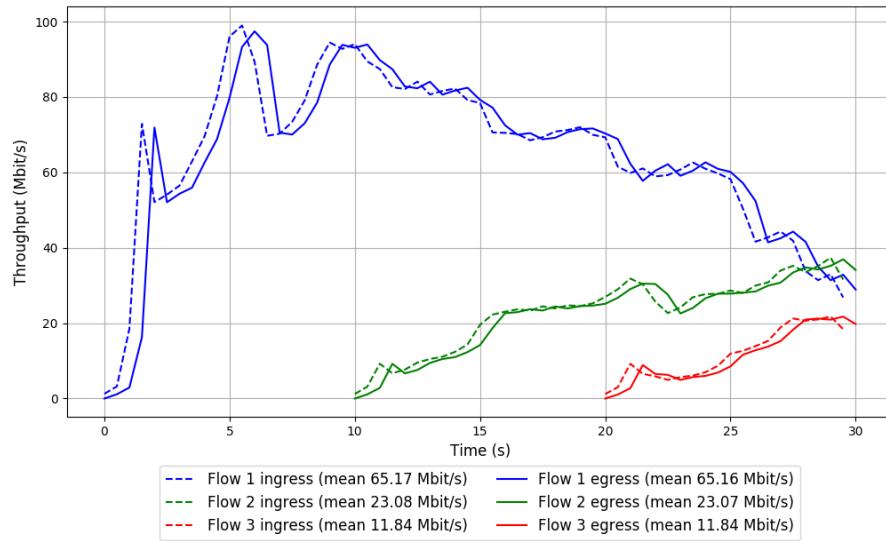


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-09-25 08:20:56
End at: 2018-09-25 08:21:26
Local clock offset: 2.571 ms
Remote clock offset: -3.948 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 48.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.16 Mbit/s
95th percentile per-packet one-way delay: 48.241 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 48.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 48.184 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

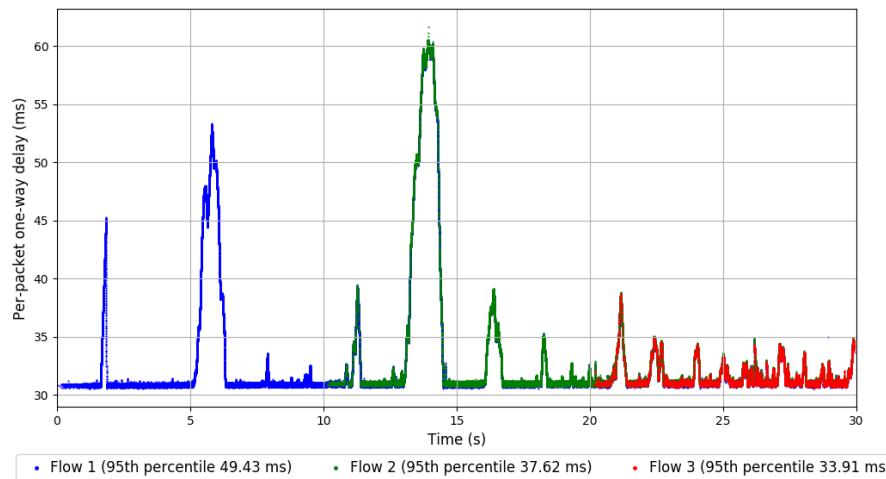
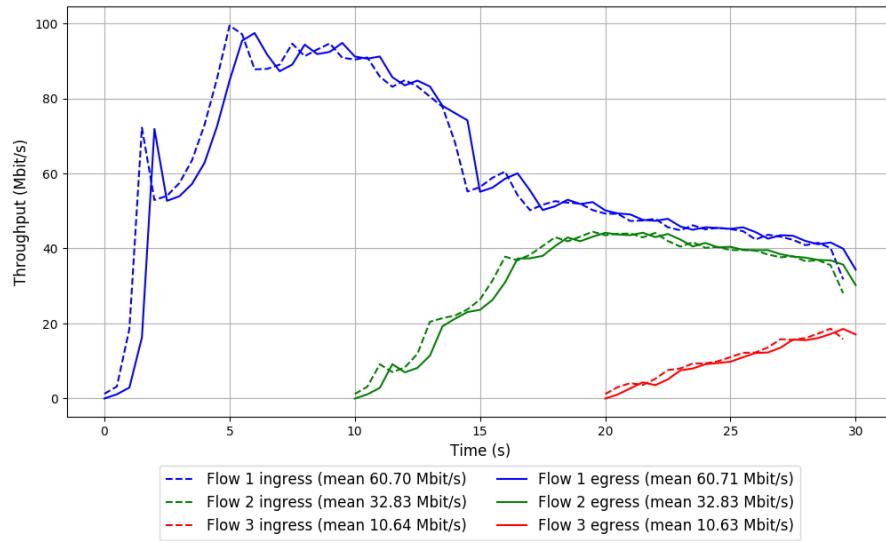


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-09-25 08:46:47
End at: 2018-09-25 08:47:17
Local clock offset: 3.603 ms
Remote clock offset: -3.847 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 47.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 49.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 37.623 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 33.915 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

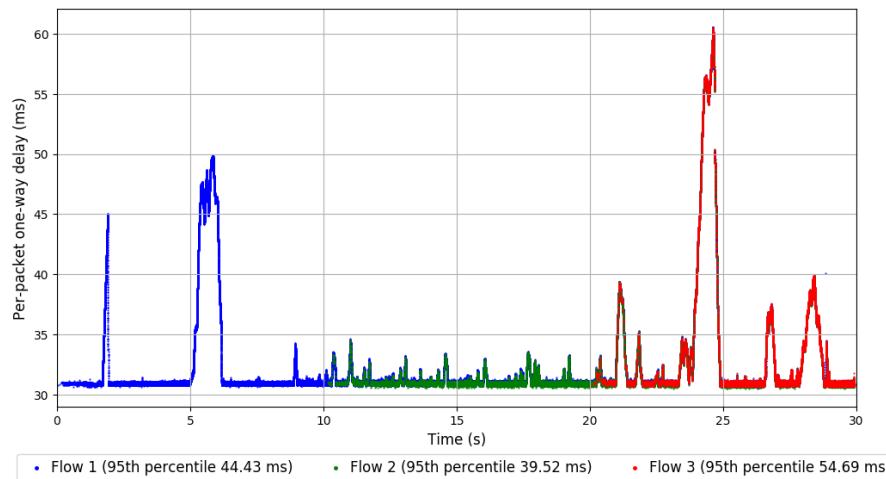
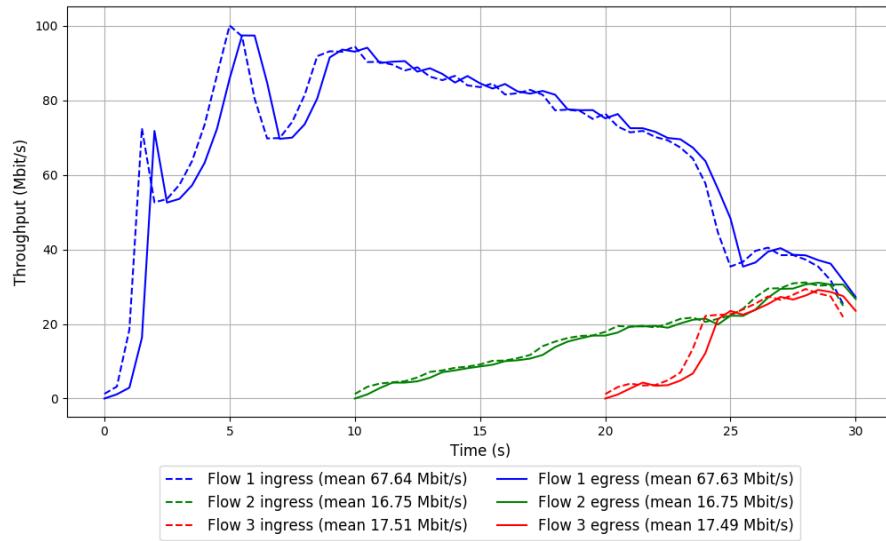


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-09-25 09:12:33
End at: 2018-09-25 09:13:03
Local clock offset: 2.569 ms
Remote clock offset: -3.473 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 44.580 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 44.428 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 39.516 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 54.685 ms
Loss rate: 0.09%
```

Run 3: Report of PCC-Vivace — Data Link

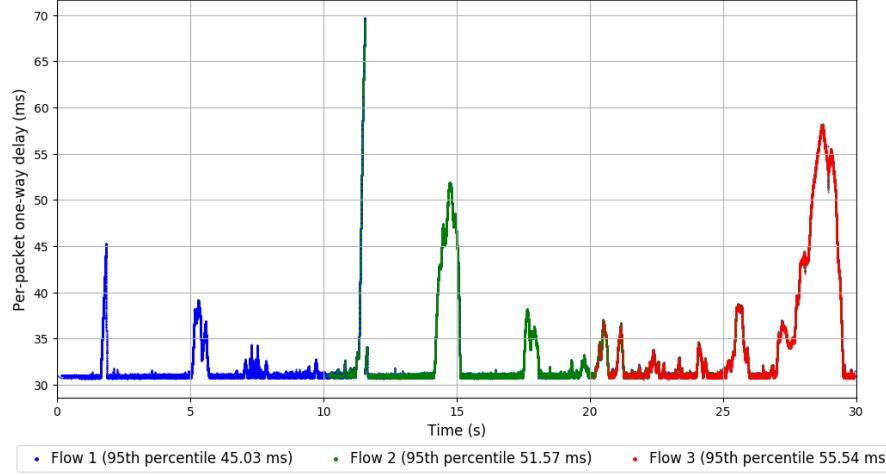
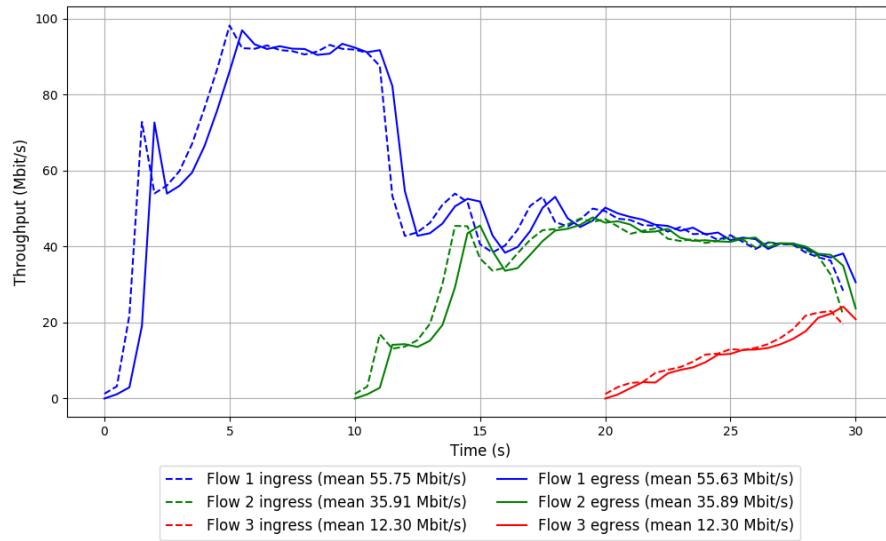


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-09-25 09:38:19
End at: 2018-09-25 09:38:49
Local clock offset: -0.397 ms
Remote clock offset: -3.507 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 48.920 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 45.033 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 55.541 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

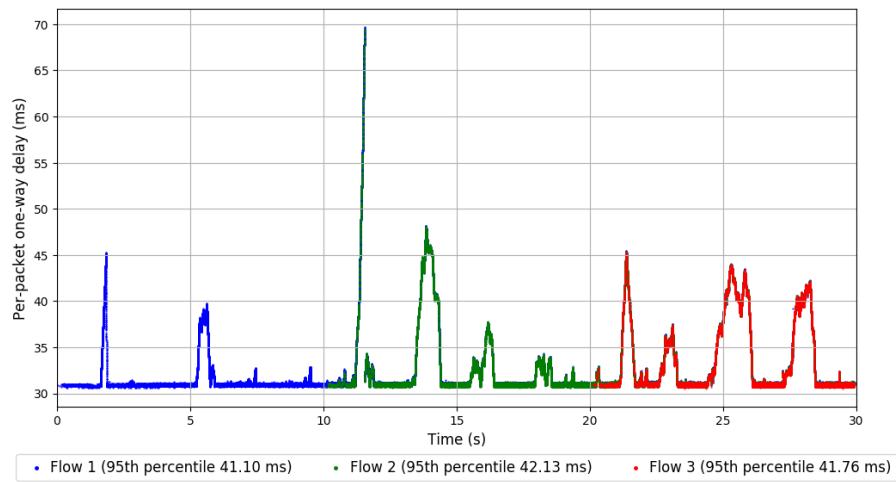
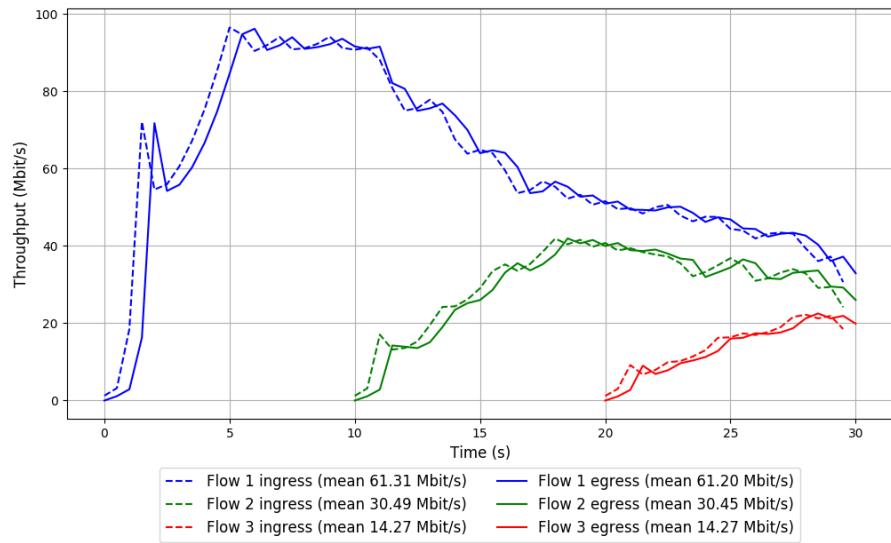


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-09-25 10:04:12
End at: 2018-09-25 10:04:42
Local clock offset: -0.167 ms
Remote clock offset: -3.446 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 41.464 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 41.102 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 42.130 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 41.760 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

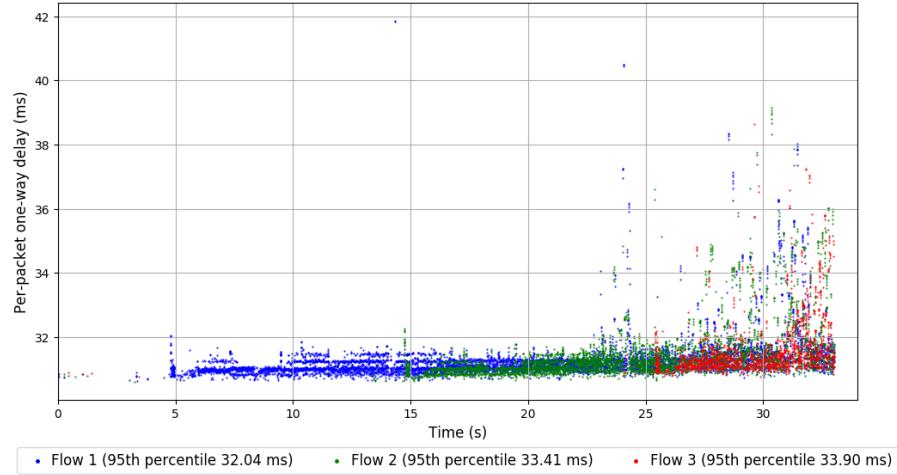
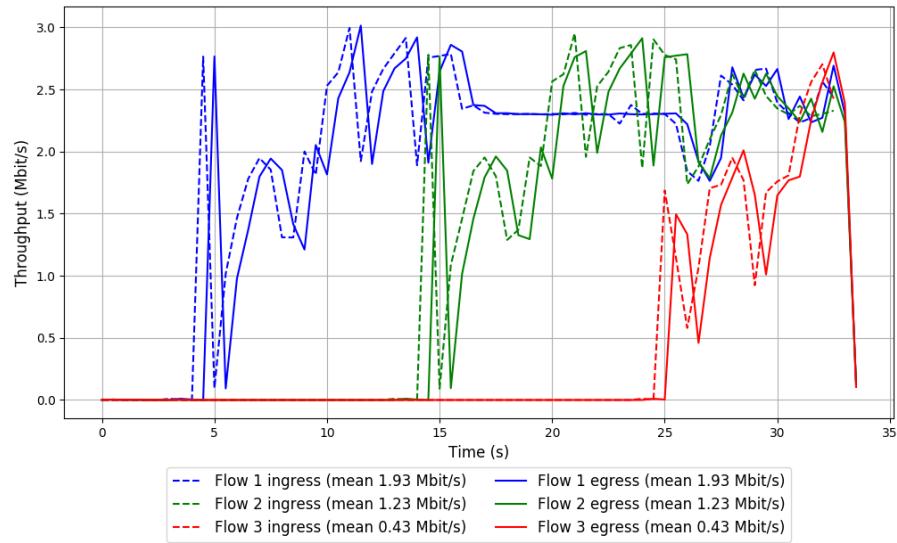


```
Run 1: Statistics of WebRTC media

Start at: 2018-09-25 08:18:15
End at: 2018-09-25 08:18:45
Local clock offset: 2.13 ms
Remote clock offset: -3.982 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 32.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 33.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.900 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

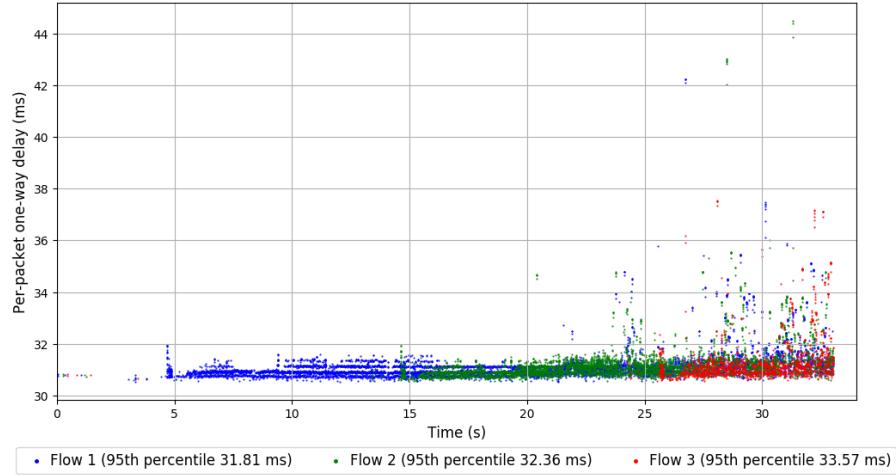
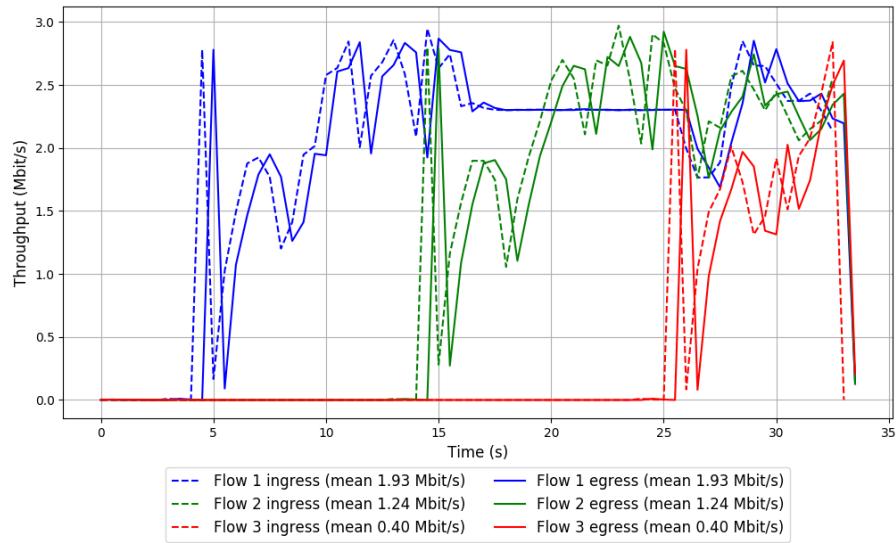


Run 2: Statistics of WebRTC media

```
Start at: 2018-09-25 08:44:05
End at: 2018-09-25 08:44:35
Local clock offset: 3.706 ms
Remote clock offset: -3.874 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 32.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 32.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 33.566 ms
Loss rate: 0.01%
```

Run 2: Report of WebRTC media — Data Link

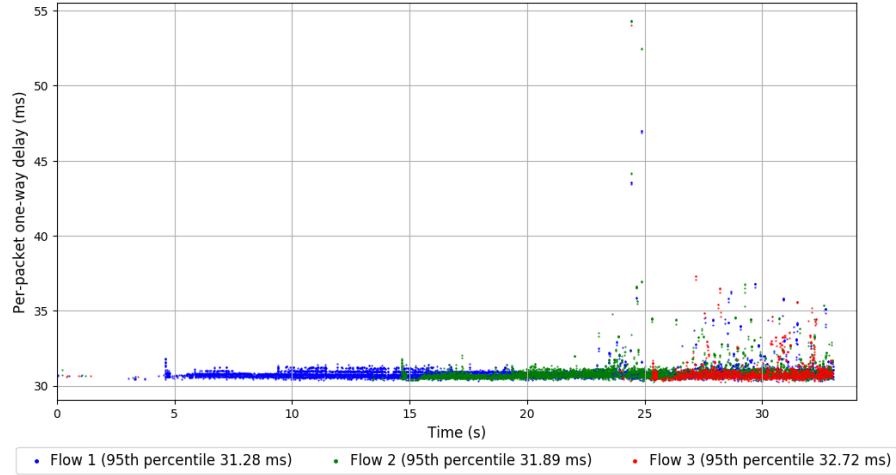
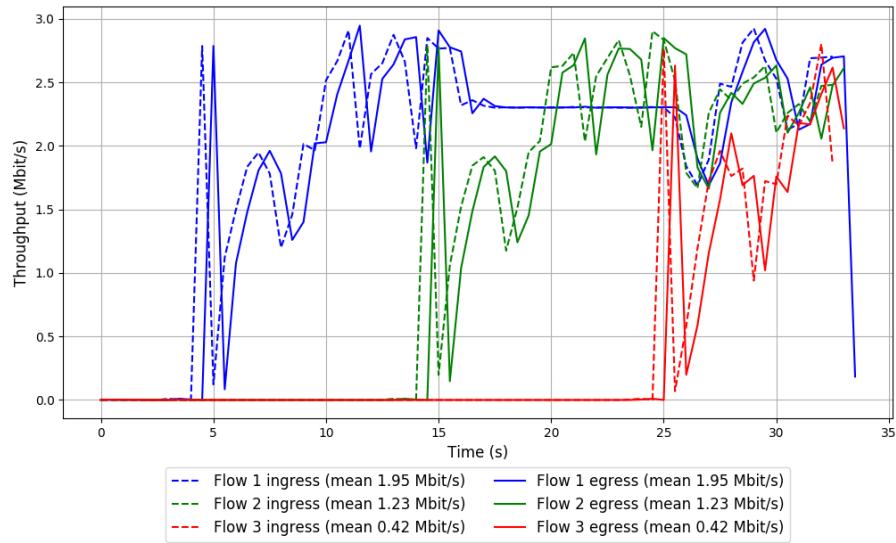


```
Run 3: Statistics of WebRTC media

Start at: 2018-09-25 09:09:51
End at: 2018-09-25 09:10:21
Local clock offset: 3.519 ms
Remote clock offset: -3.638 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 31.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 31.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 32.724 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

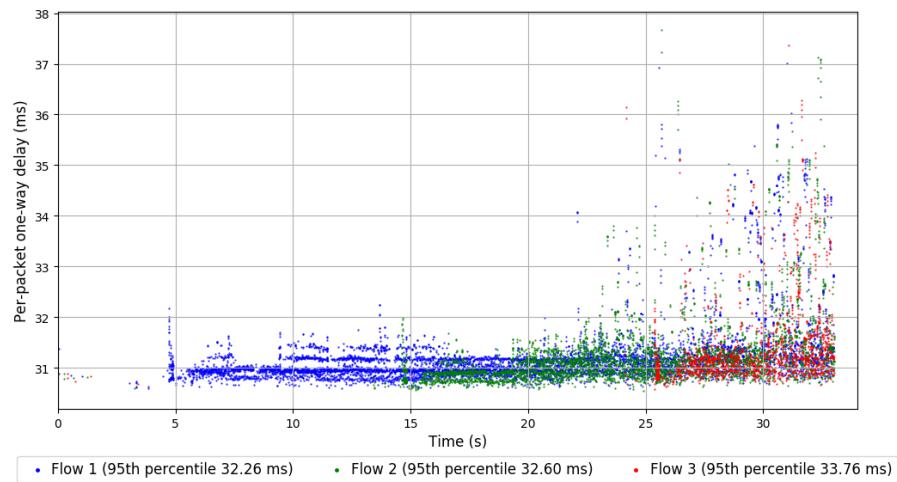
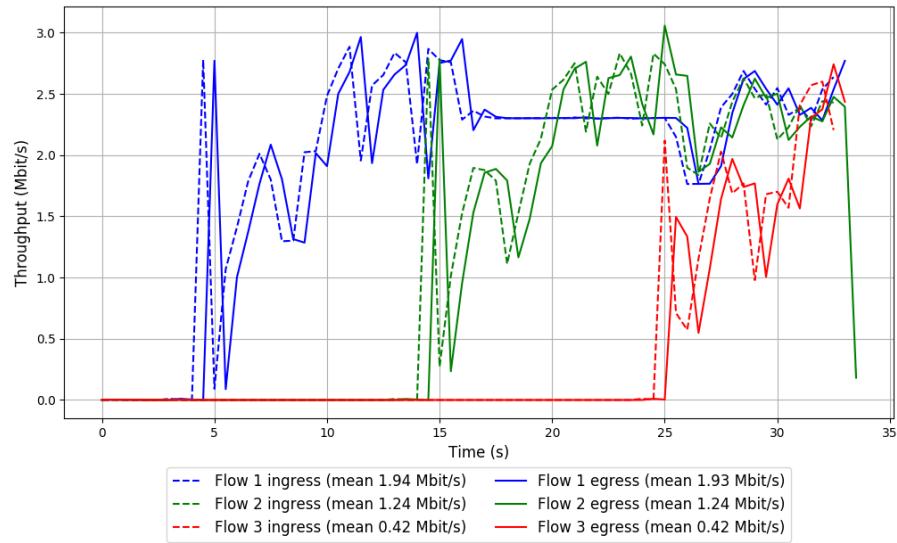


Run 4: Statistics of WebRTC media

```
Start at: 2018-09-25 09:35:37
End at: 2018-09-25 09:36:07
Local clock offset: -0.271 ms
Remote clock offset: -3.566 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 32.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 32.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 32.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 33.763 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2018-09-25 10:01:29
End at: 2018-09-25 10:01:59
Local clock offset: -0.143 ms
Remote clock offset: -3.64 ms

# Below is generated by plot.py at 2018-09-25 10:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 31.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 31.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 32.651 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

