

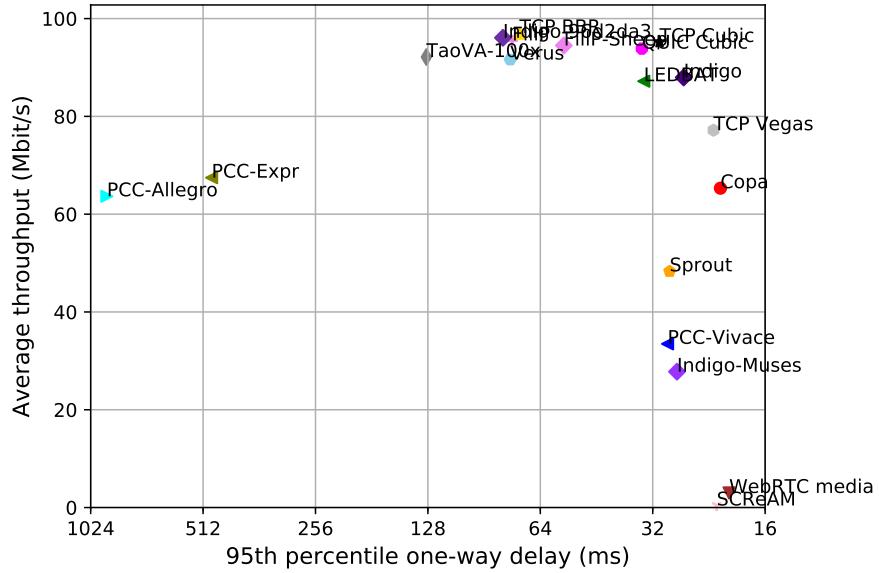
## Pantheon Report

Generated at 2018-12-02 16:50:05 (UTC).  
Data path: India on `em1` (*remote*) → AWS India 1 on `ens5` (*local*).  
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 `nets.org.sg` and have been applied to correct the timestamps in logs.

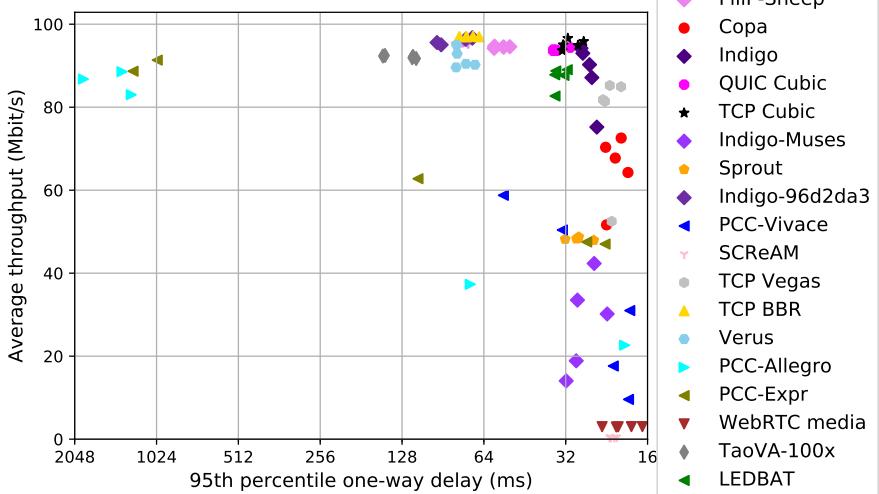
```
System info:  
Linux 4.15.0-1027-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d  
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/indigo-96d2da3 @ 8413272d46f8aa0bc967ed7048b6a8f994abb95  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/muses @ 65ac1b19bbfed0c6349ae986009b4fa8643c40a  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

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

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



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



↳

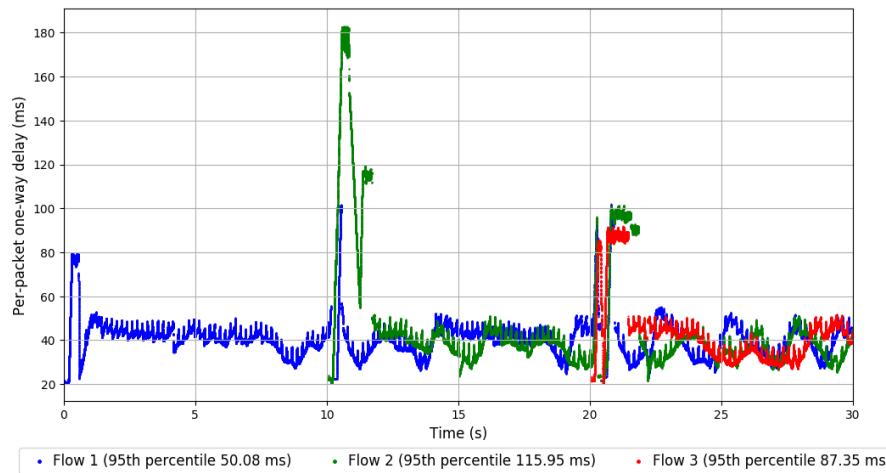
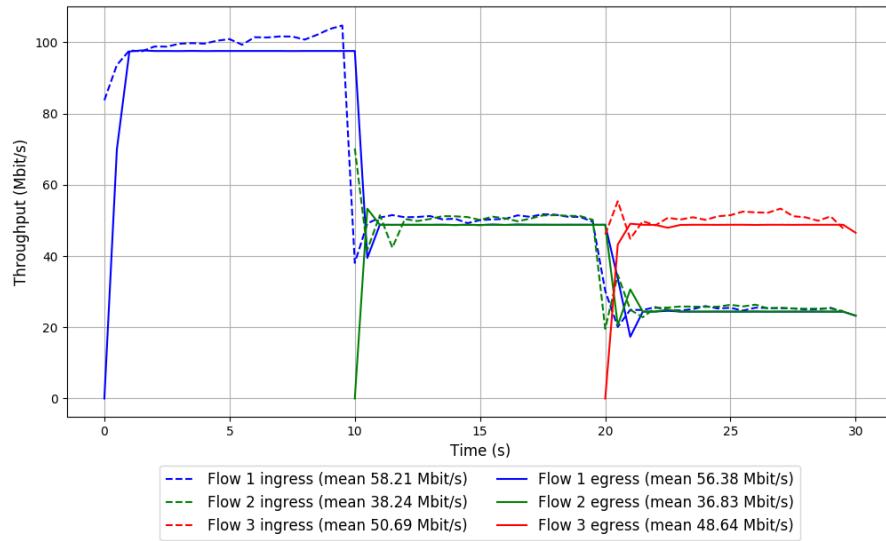
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	57.38	40.73	37.73	49.73	103.58	105.93	3.41	4.07	4.36
Copa	5	36.55	30.39	25.68	20.49	21.55	21.89	0.05	0.10	0.26
TCP Cubic	5	57.75	40.22	32.22	30.68	30.66	31.27	0.07	0.17	0.35
FillP	5	58.60	40.47	30.14	54.81	85.42	86.95	0.22	2.51	3.03
FillP-Sheep	5	55.59	39.89	37.02	52.04	57.50	60.41	0.11	0.25	0.54
Indigo	5	51.42	40.42	29.42	25.85	26.02	27.84	0.06	0.12	0.30
Indigo-96d2da3	5	57.98	39.99	34.76	71.86	90.62	80.91	1.59	2.23	3.82
LEDBAT	5	55.25	34.94	26.14	32.55	35.26	36.53	0.08	0.14	0.39
Indigo-Muses	5	13.50	13.96	15.12	23.10	24.29	37.83	0.07	0.05	0.18
PCC-Allegro	5	37.93	22.50	32.75	976.18	237.09	156.07	5.60	1.98	1.14
PCC-Expr	5	44.28	23.71	22.52	540.88	118.39	26.39	7.75	0.44	0.41
QUIC Cubic	5	57.07	37.57	35.70	34.41	34.57	36.48	0.10	0.19	0.43
SCReAM	5	0.21	0.21	0.22	21.56	21.57	21.57	0.10	0.19	0.36
Sprout	5	24.34	24.20	23.89	28.21	29.23	29.49	0.09	0.14	0.28
TaoVA-100x	5	54.51	36.56	40.02	120.82	170.57	91.86	0.56	1.08	2.55
TCP Vegas	5	41.99	35.52	34.75	21.34	21.23	25.11	0.05	0.11	0.26
Verus	5	54.07	39.42	34.14	74.05	69.41	233.22	0.23	0.35	0.79
PCC-Vivace	5	20.94	14.17	9.45	32.40	20.82	20.63	0.07	0.09	0.42
WebRTC media	5	1.61	0.95	0.44	19.94	19.92	20.15	0.00	0.00	0.38

Run 1: Statistics of TCP BBR

```
Start at: 2018-12-02 14:42:24
End at: 2018-12-02 14:42:54
Local clock offset: 3.858 ms
Remote clock offset: -3.431 ms

# Below is generated by plot.py at 2018-12-02 16:39:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 78.748 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 50.076 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 115.952 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 87.347 ms
Loss rate: 4.28%
```

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

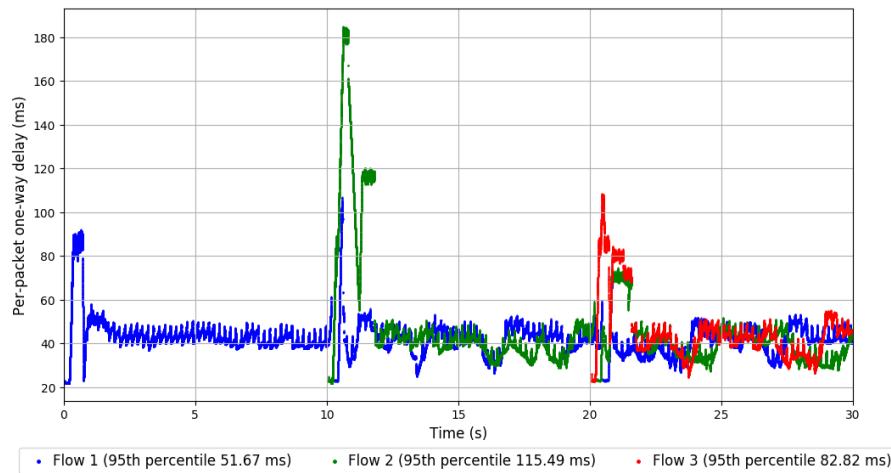
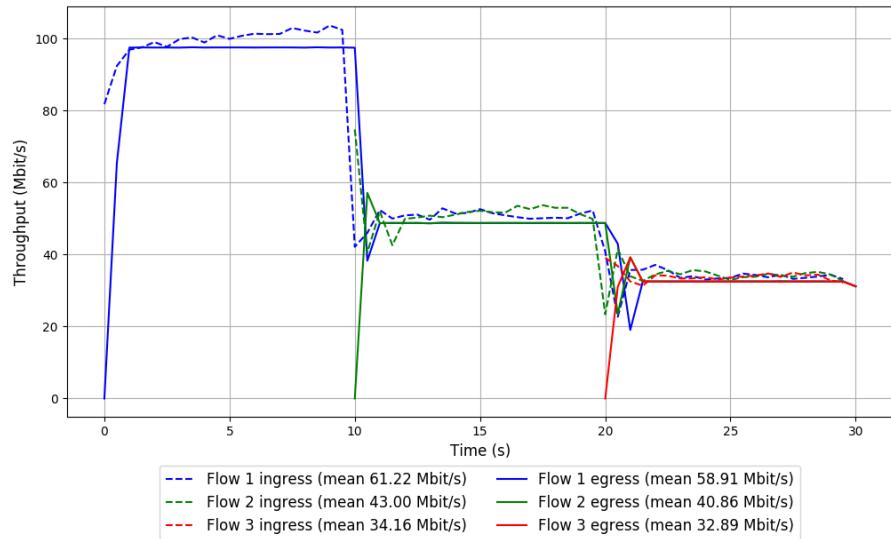


Run 2: Statistics of TCP BBR

```
Start at: 2018-12-02 15:06:24
End at: 2018-12-02 15:06:54
Local clock offset: 4.079 ms
Remote clock offset: -4.089 ms

# Below is generated by plot.py at 2018-12-02 16:39:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 74.213 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 115.491 ms
Loss rate: 5.11%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 82.821 ms
Loss rate: 3.94%
```

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

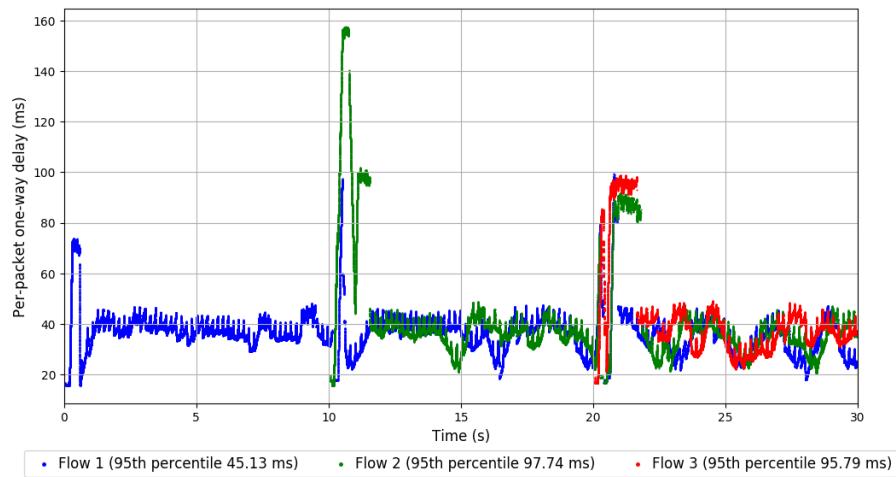
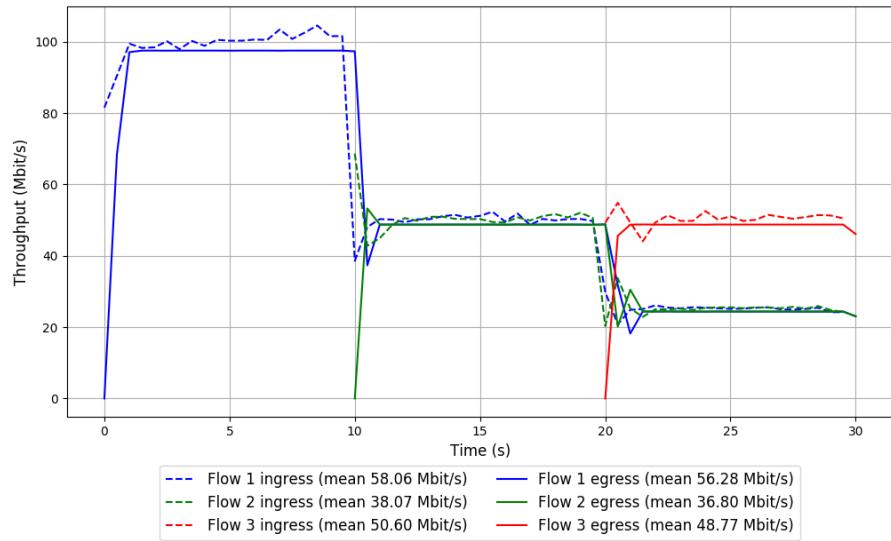


Run 3: Statistics of TCP BBR

```
Start at: 2018-12-02 15:30:14
End at: 2018-12-02 15:30:44
Local clock offset: -2.024 ms
Remote clock offset: -2.793 ms

# Below is generated by plot.py at 2018-12-02 16:39:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 74.212 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 45.133 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 97.737 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 48.77 Mbit/s
95th percentile per-packet one-way delay: 95.787 ms
Loss rate: 3.87%
```

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

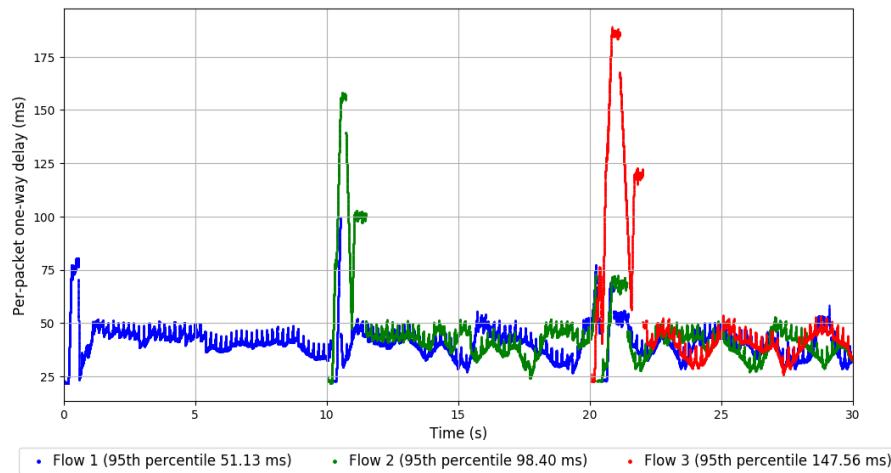
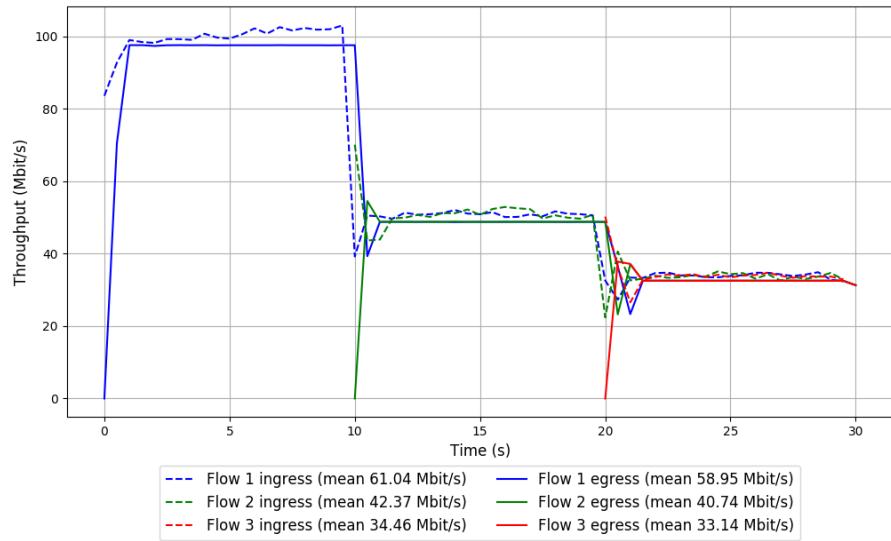


Run 4: Statistics of TCP BBR

```
Start at: 2018-12-02 15:53:24
End at: 2018-12-02 15:53:54
Local clock offset: 3.246 ms
Remote clock offset: -3.189 ms

# Below is generated by plot.py at 2018-12-02 16:39:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 70.153 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 51.135 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 98.401 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 147.564 ms
Loss rate: 4.08%
```

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

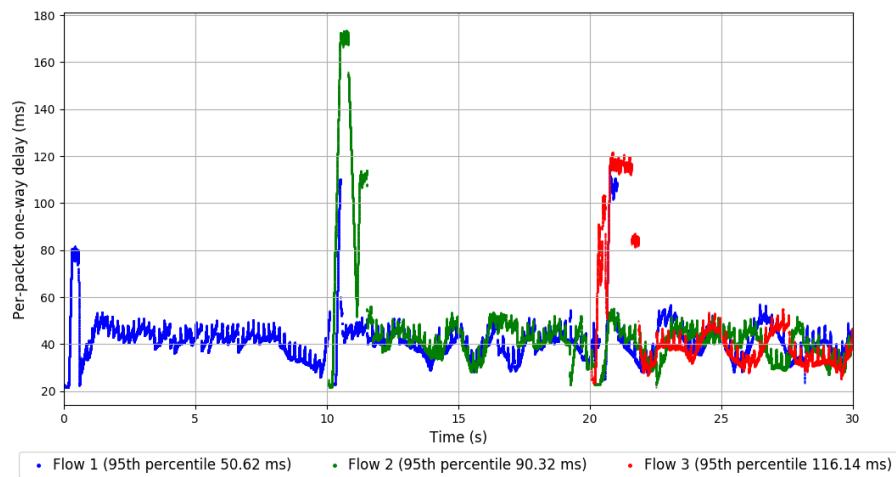
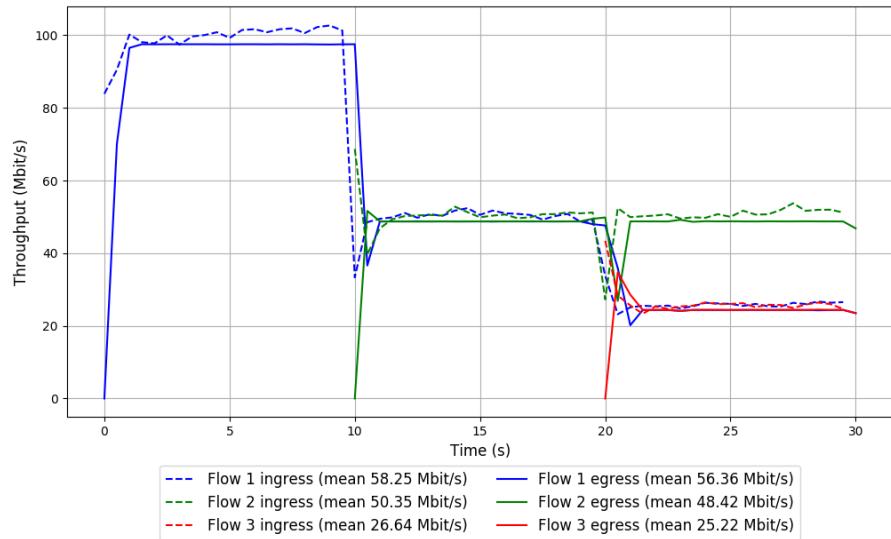


Run 5: Statistics of TCP BBR

```
Start at: 2018-12-02 16:16:17
End at: 2018-12-02 16:16:47
Local clock offset: 2.319 ms
Remote clock offset: -3.817 ms

# Below is generated by plot.py at 2018-12-02 16:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 66.630 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 50.624 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 90.320 ms
Loss rate: 3.99%
-- Flow 3:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 116.135 ms
Loss rate: 5.62%
```

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

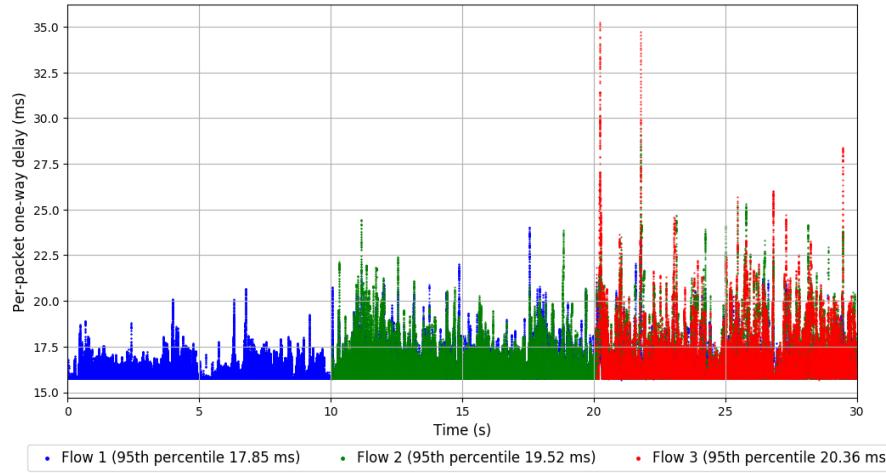
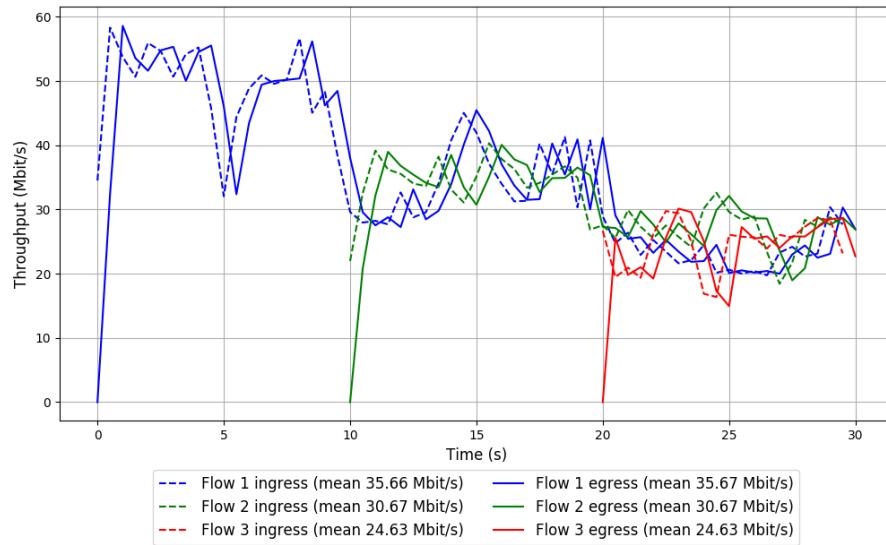


Run 1: Statistics of Copa

```
Start at: 2018-12-02 14:51:21
End at: 2018-12-02 14:51:51
Local clock offset: -0.438 ms
Remote clock offset: -2.815 ms

# Below is generated by plot.py at 2018-12-02 16:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 18.890 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 17.848 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 19.520 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 0.23%
```

## Run 1: Report of Copa — Data Link

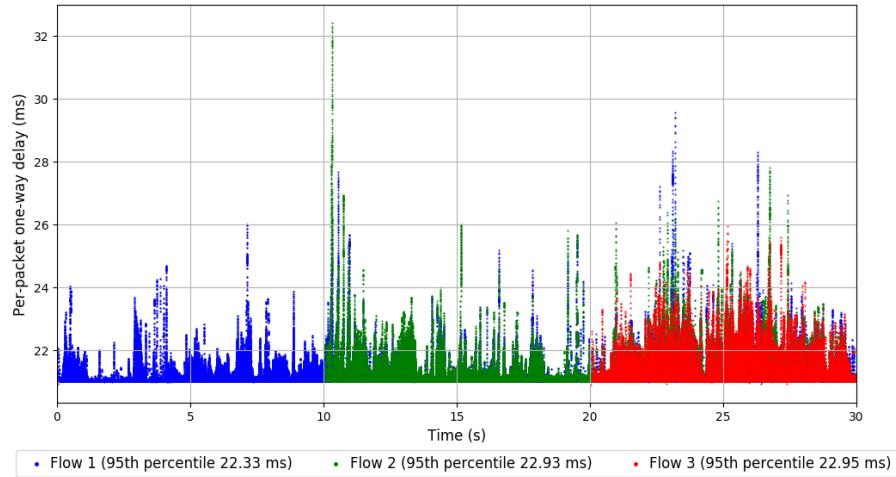
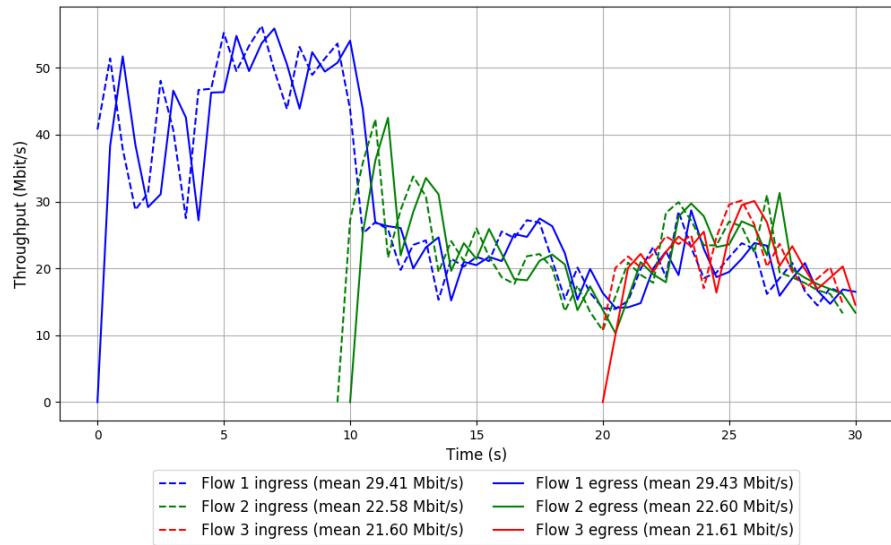


Run 2: Statistics of Copa

```
Start at: 2018-12-02 15:15:15
End at: 2018-12-02 15:15:45
Local clock offset: 2.67 ms
Remote clock offset: -4.53 ms

# Below is generated by plot.py at 2018-12-02 16:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 22.645 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 22.328 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 22.933 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 22.947 ms
Loss rate: 0.17%
```

## Run 2: Report of Copa — Data Link

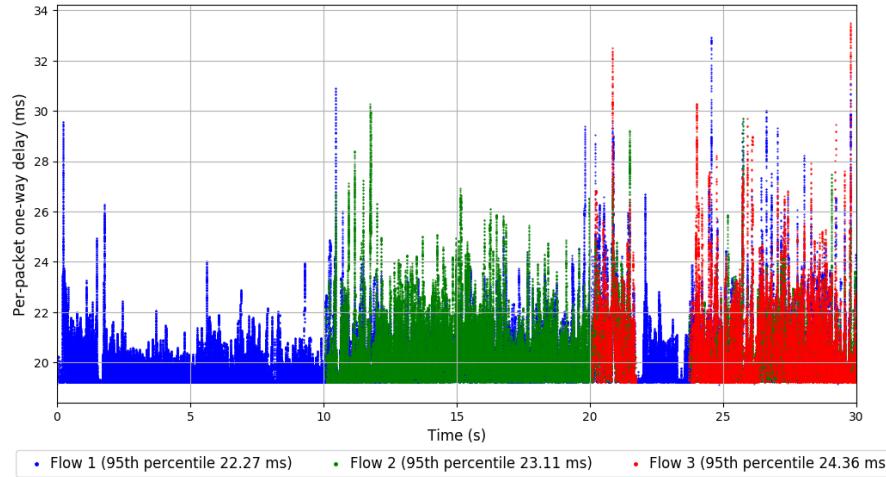
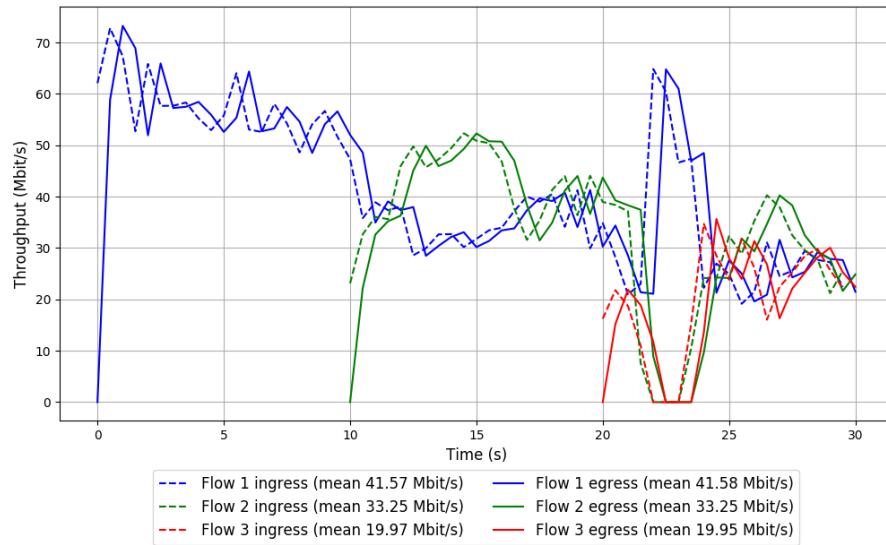


Run 3: Statistics of Copa

```
Start at: 2018-12-02 15:38:49
End at: 2018-12-02 15:39:19
Local clock offset: 0.358 ms
Remote clock offset: -3.482 ms

# Below is generated by plot.py at 2018-12-02 16:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.34 Mbit/s
95th percentile per-packet one-way delay: 22.822 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 22.272 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 23.111 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 24.365 ms
Loss rate: 0.33%
```

### Run 3: Report of Copa — Data Link

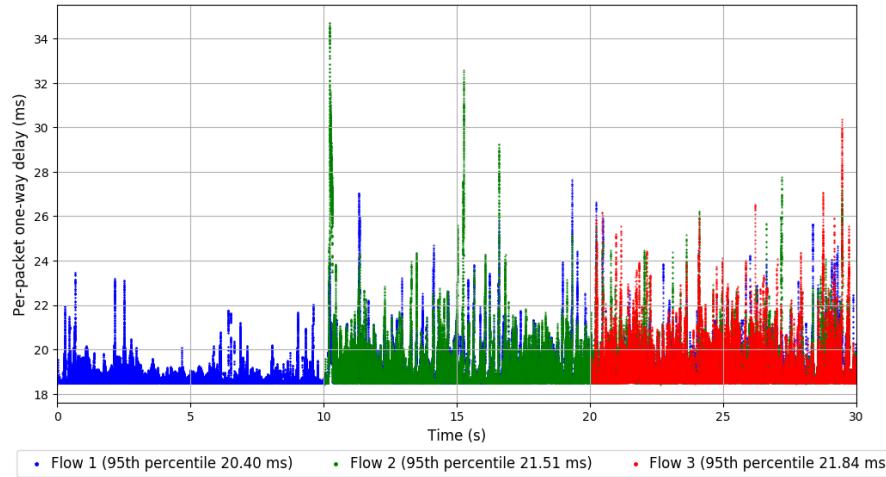
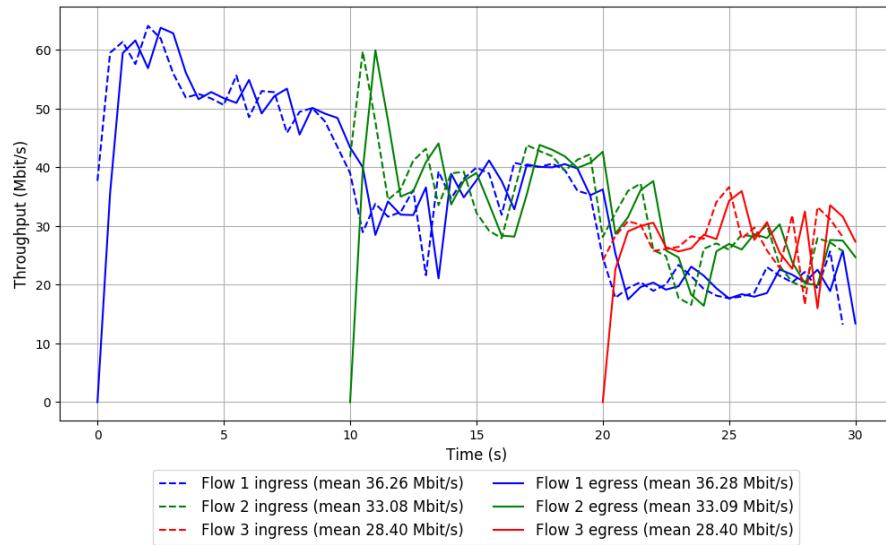


Run 4: Statistics of Copa

```
Start at: 2018-12-02 16:01:52
End at: 2018-12-02 16:02:22
Local clock offset: -0.25 ms
Remote clock offset: -3.35 ms

# Below is generated by plot.py at 2018-12-02 16:40:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 21.034 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 20.396 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 21.514 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 21.840 ms
Loss rate: 0.24%
```

Run 4: Report of Copa — Data Link

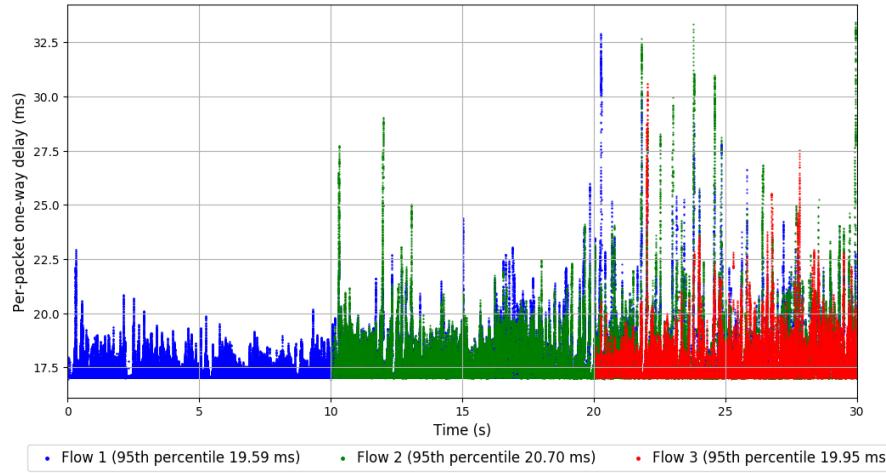
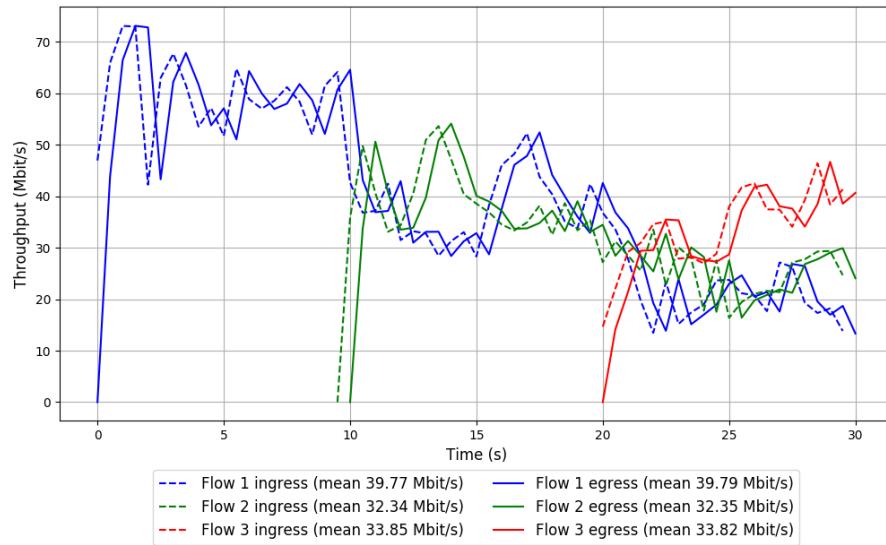


Run 5: Statistics of Copa

```
Start at: 2018-12-02 16:24:41
End at: 2018-12-02 16:25:11
Local clock offset: -2.931 ms
Remote clock offset: -4.817 ms

# Below is generated by plot.py at 2018-12-02 16:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 20.005 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 20.697 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 19.951 ms
Loss rate: 0.33%
```

## Run 5: Report of Copa — Data Link

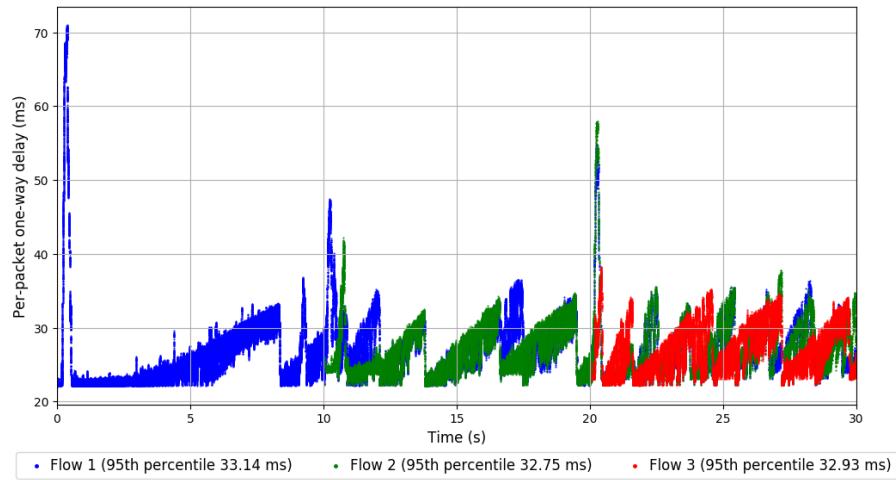
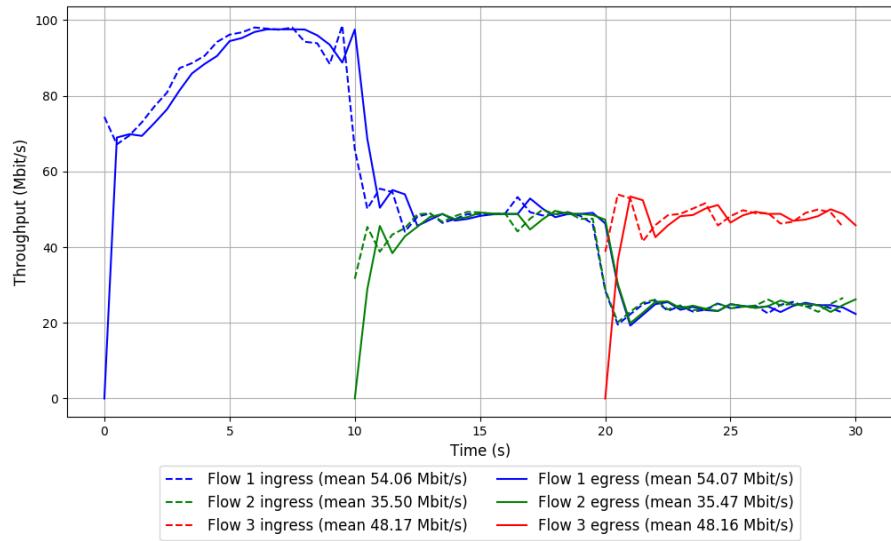


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-12-02 14:47:30
End at: 2018-12-02 14:48:00
Local clock offset: 4.873 ms
Remote clock offset: -4.051 ms

# Below is generated by plot.py at 2018-12-02 16:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 32.957 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 33.138 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 32.750 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 32.926 ms
Loss rate: 0.28%
```

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

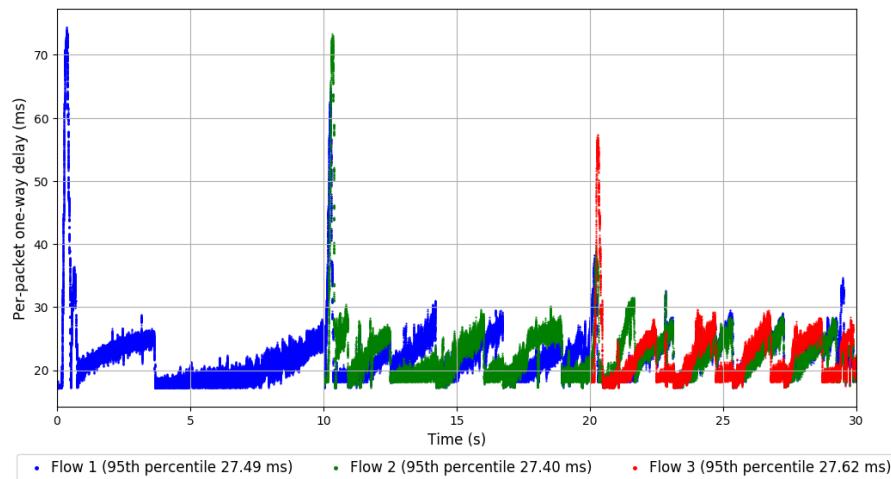
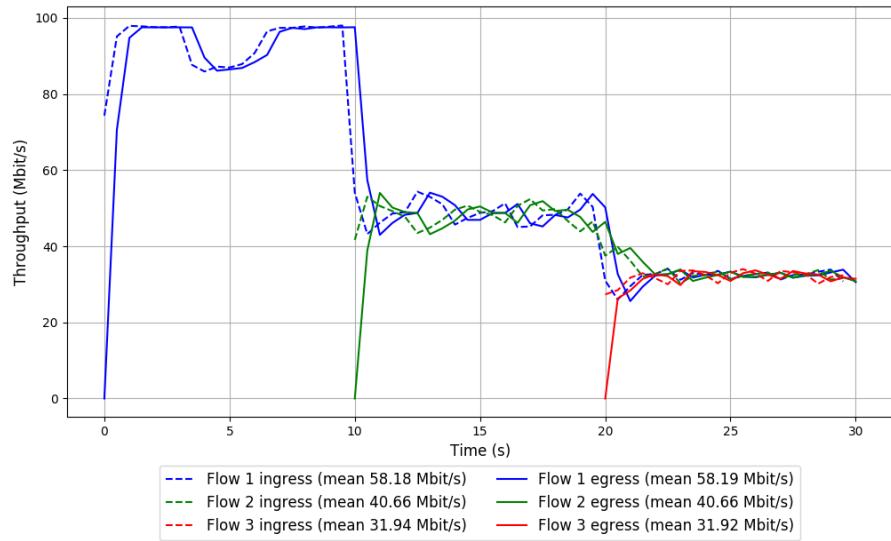


Run 2: Statistics of TCP Cubic

```
Start at: 2018-12-02 15:11:32
End at: 2018-12-02 15:12:02
Local clock offset: -0.55 ms
Remote clock offset: -4.034 ms

# Below is generated by plot.py at 2018-12-02 16:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 27.484 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 27.490 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 27.399 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 27.624 ms
Loss rate: 0.37%
```

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

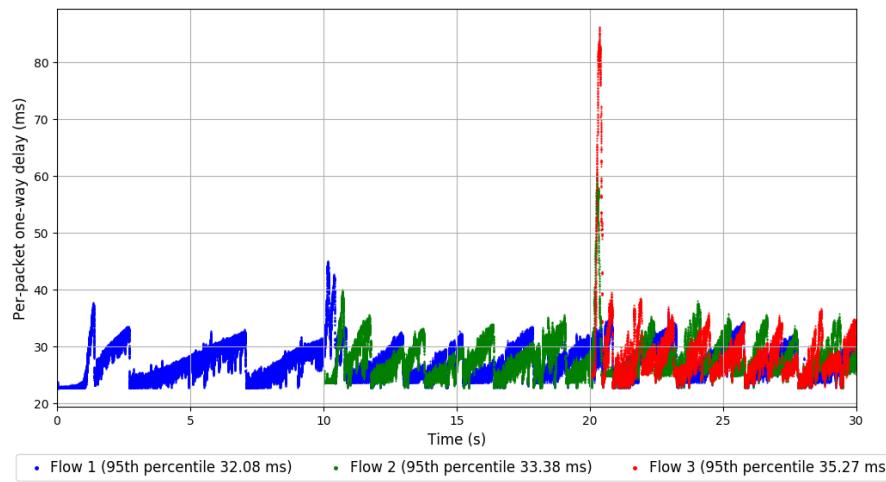
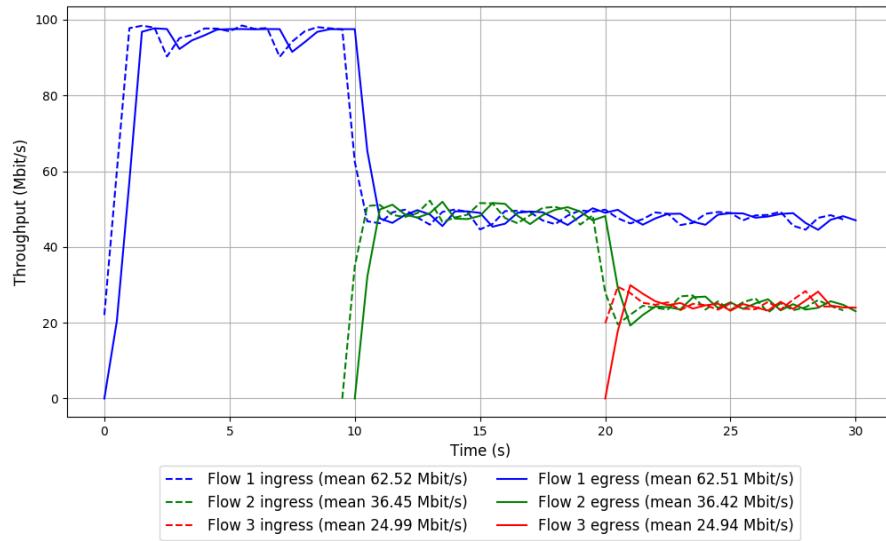


Run 3: Statistics of TCP Cubic

```
Start at: 2018-12-02 15:35:10
End at: 2018-12-02 15:35:40
Local clock offset: 3.81 ms
Remote clock offset: -3.736 ms

# Below is generated by plot.py at 2018-12-02 16:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.713 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 33.382 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 35.273 ms
Loss rate: 0.43%
```

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

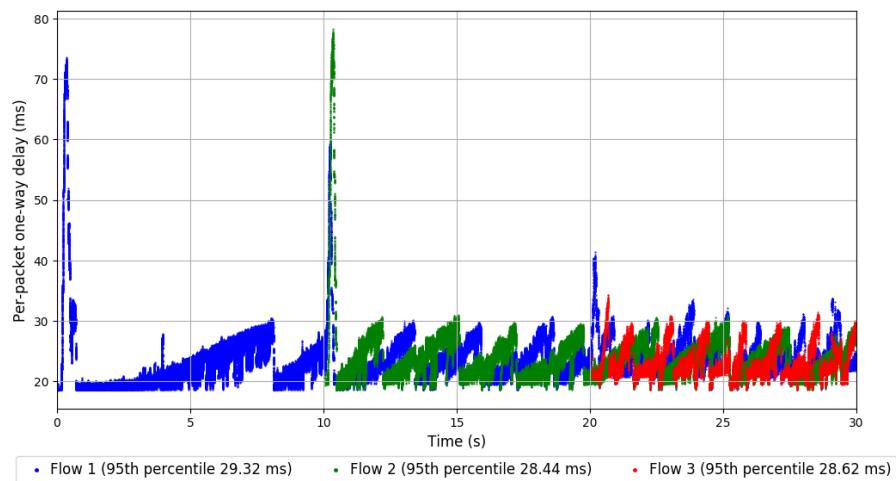
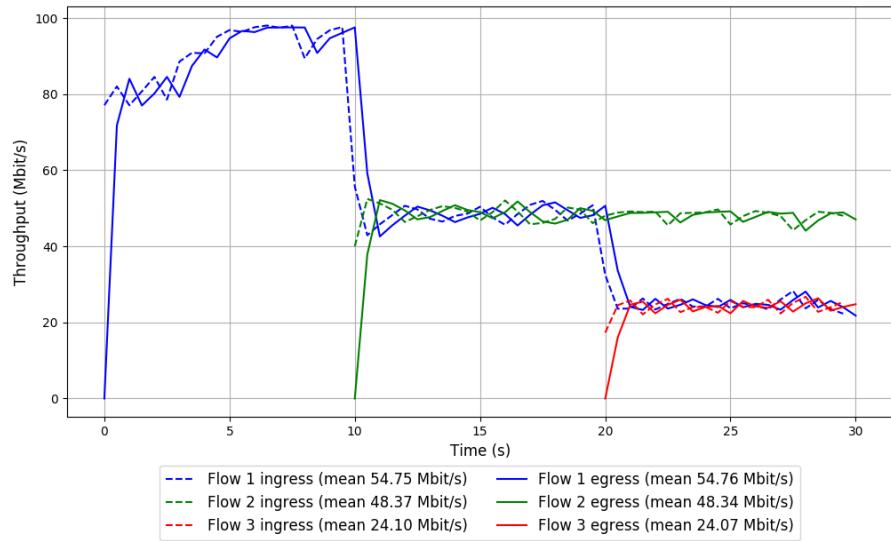


Run 4: Statistics of TCP Cubic

```
Start at: 2018-12-02 15:58:16
End at: 2018-12-02 15:58:46
Local clock offset: 0.521 ms
Remote clock offset: -2.744 ms

# Below is generated by plot.py at 2018-12-02 16:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 28.839 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 29.317 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 28.441 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 28.617 ms
Loss rate: 0.38%
```

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

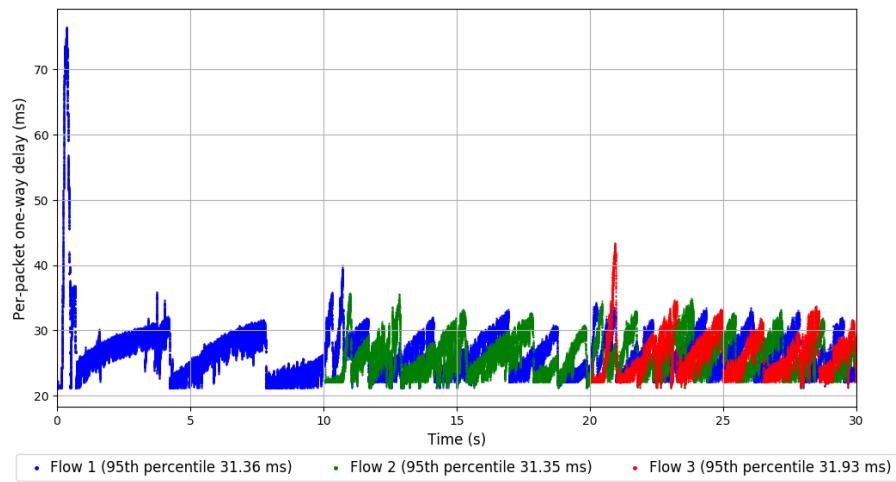
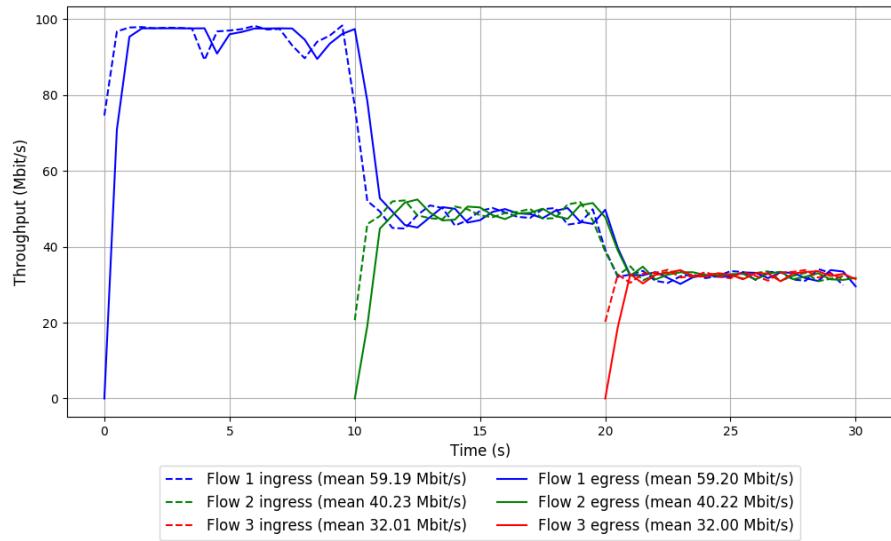


Run 5: Statistics of TCP Cubic

```
Start at: 2018-12-02 16:21:08
End at: 2018-12-02 16:21:38
Local clock offset: 3.207 ms
Remote clock offset: -2.693 ms

# Below is generated by plot.py at 2018-12-02 16:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 31.437 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 31.351 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 31.930 ms
Loss rate: 0.27%
```

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

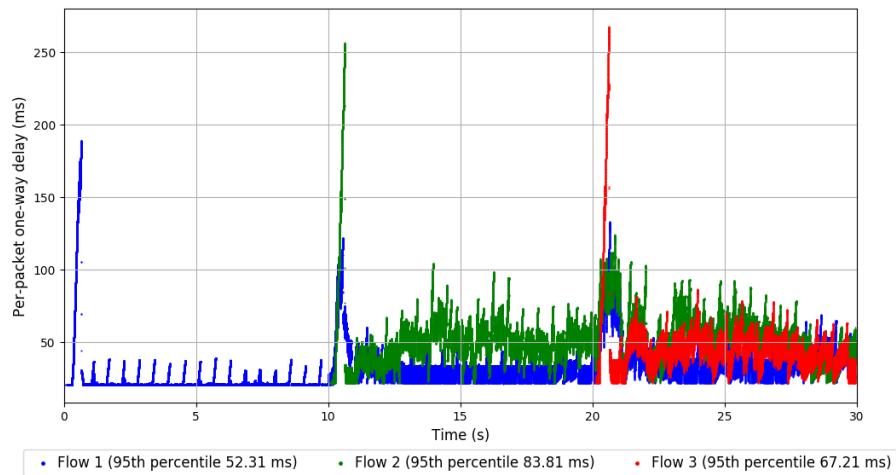
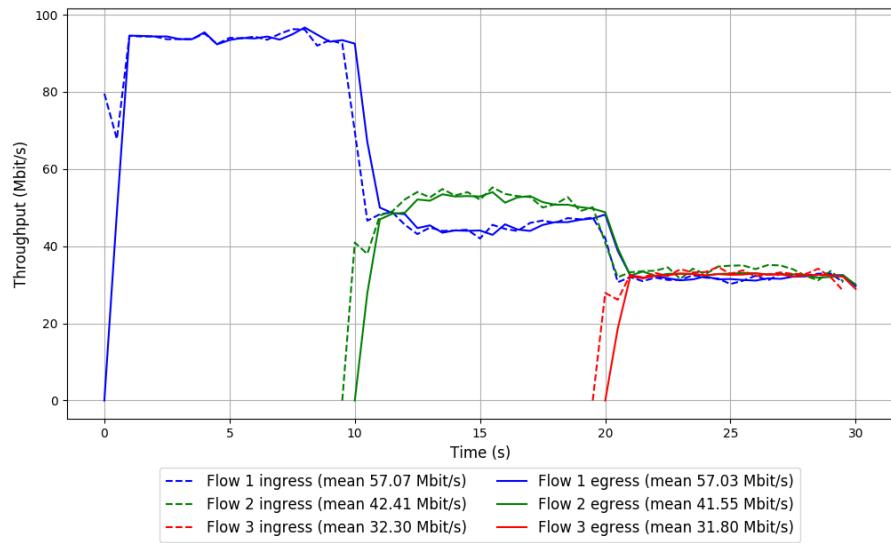


Run 1: Statistics of FillP

```
Start at: 2018-12-02 14:53:59
End at: 2018-12-02 14:54:29
Local clock offset: 3.605 ms
Remote clock offset: -3.478 ms

# Below is generated by plot.py at 2018-12-02 16:41:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 73.087 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 52.309 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 41.55 Mbit/s
95th percentile per-packet one-way delay: 83.815 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 67.211 ms
Loss rate: 1.81%
```

## Run 1: Report of FillP — Data Link

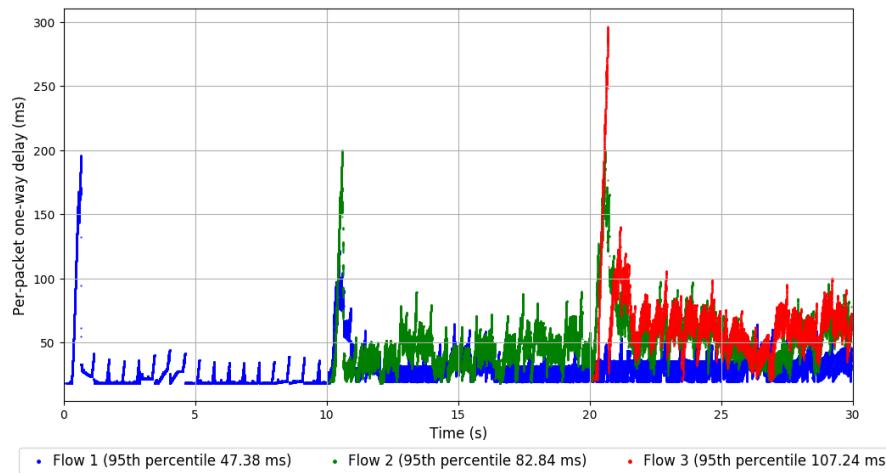
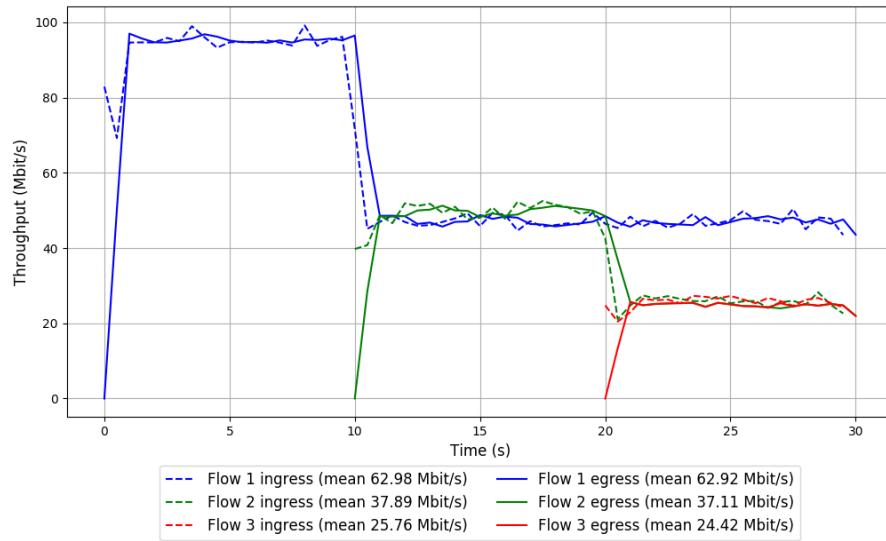


Run 2: Statistics of FillP

```
Start at: 2018-12-02 15:17:45
End at: 2018-12-02 15:18:15
Local clock offset: 0.923 ms
Remote clock offset: -3.888 ms

# Below is generated by plot.py at 2018-12-02 16:41:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 76.152 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 47.375 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 82.842 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 107.241 ms
Loss rate: 5.37%
```

## Run 2: Report of FillP — Data Link

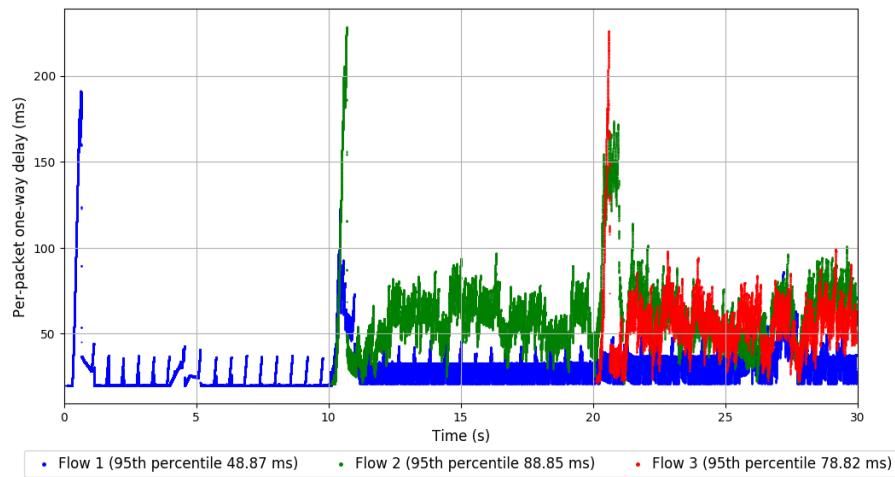
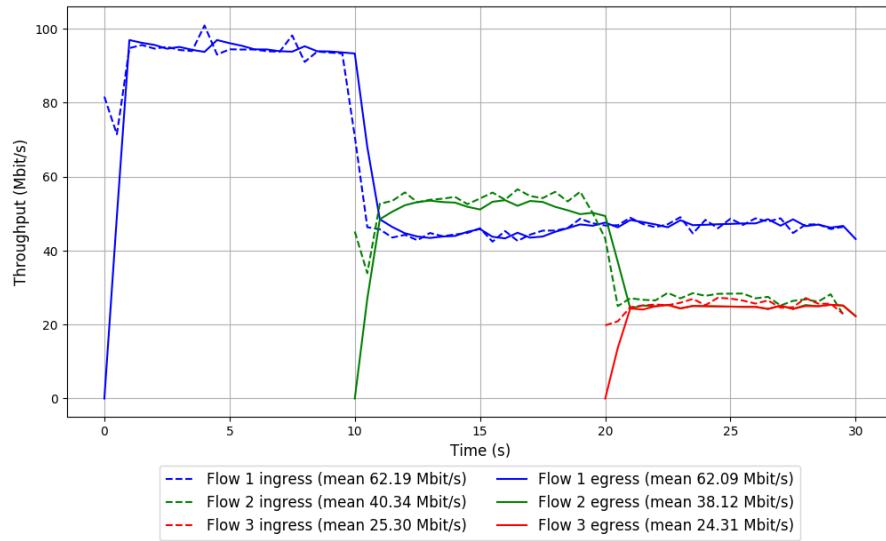


Run 3: Statistics of FillP

```
Start at: 2018-12-02 15:41:25
End at: 2018-12-02 15:41:55
Local clock offset: 0.76 ms
Remote clock offset: -3.777 ms

# Below is generated by plot.py at 2018-12-02 16:41:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 76.717 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 62.09 Mbit/s
95th percentile per-packet one-way delay: 48.872 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 88.846 ms
Loss rate: 5.60%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 78.816 ms
Loss rate: 4.06%
```

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

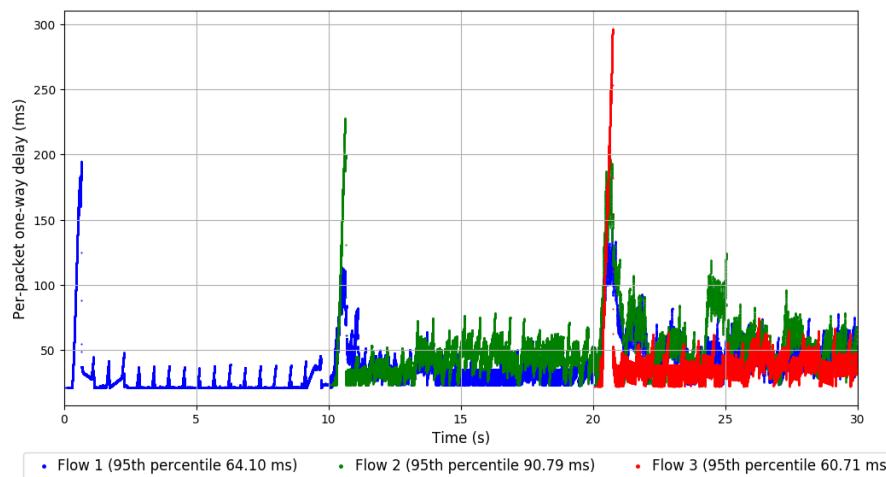
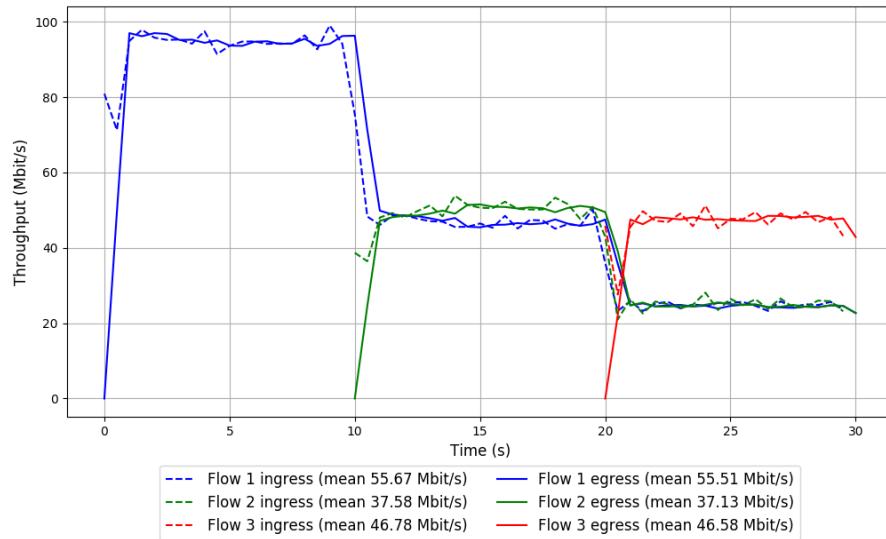


Run 4: Statistics of FillP

```
Start at: 2018-12-02 16:04:21
End at: 2018-12-02 16:04:51
Local clock offset: 2.781 ms
Remote clock offset: -3.218 ms

# Below is generated by plot.py at 2018-12-02 16:41:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 73.900 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 55.51 Mbit/s
95th percentile per-packet one-way delay: 64.103 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 90.789 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 60.710 ms
Loss rate: 0.56%
```

Run 4: Report of FillP — Data Link

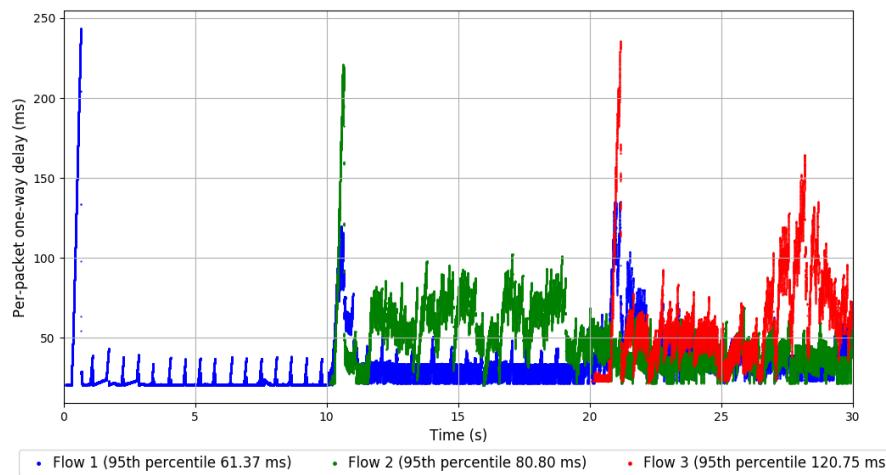
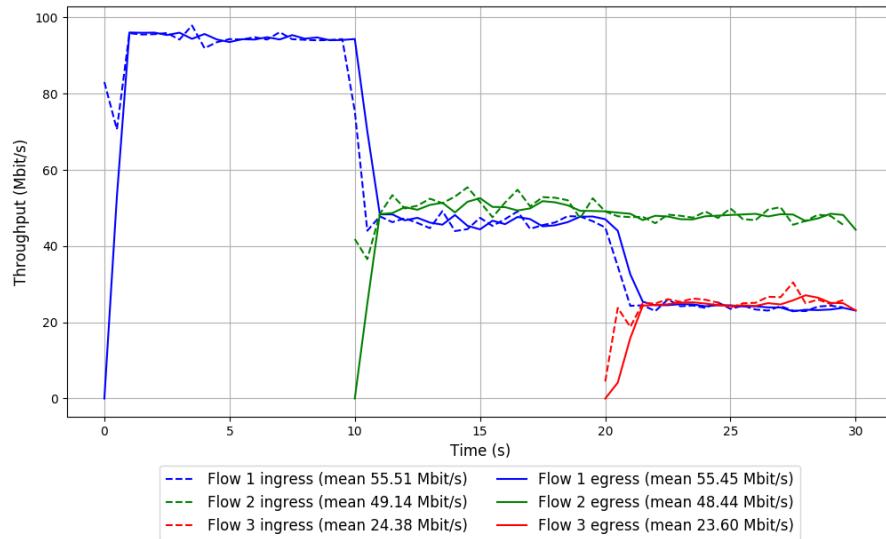


Run 5: Statistics of FillP

```
Start at: 2018-12-02 16:27:14
End at: 2018-12-02 16:27:44
Local clock offset: 1.757 ms
Remote clock offset: -3.66 ms

# Below is generated by plot.py at 2018-12-02 16:41:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 80.994 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 80.804 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 120.753 ms
Loss rate: 3.35%
```

## Run 5: Report of FillP — Data Link

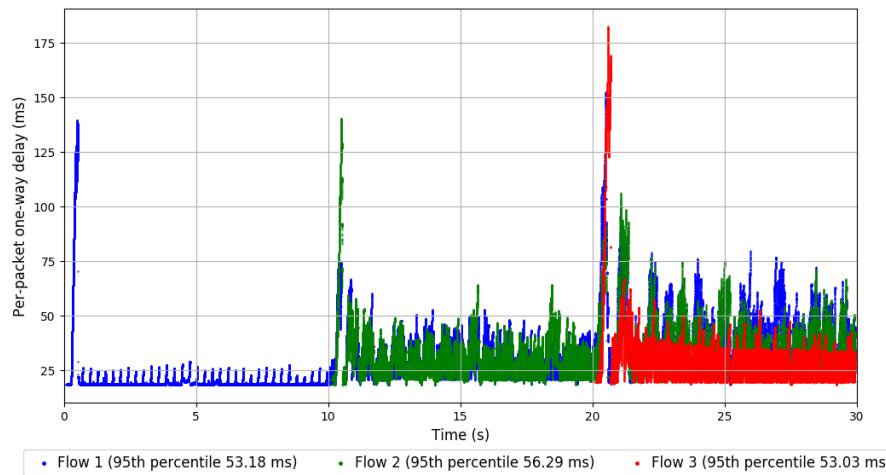
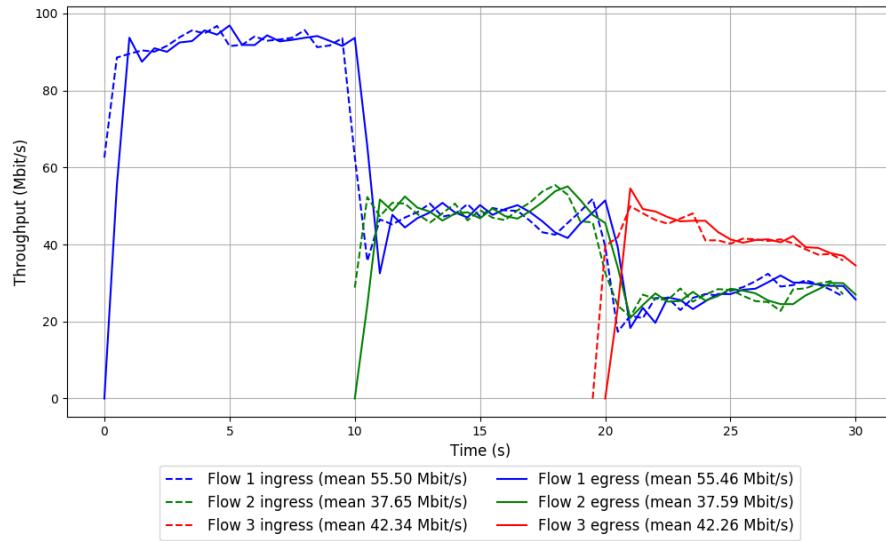


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-12-02 14:55:14
End at: 2018-12-02 14:55:44
Local clock offset: 1.314 ms
Remote clock offset: -3.885 ms

# Below is generated by plot.py at 2018-12-02 16:42:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 54.300 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 53.184 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 56.293 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 53.033 ms
Loss rate: 0.46%
```

Run 1: Report of FillP-Sheep — Data Link

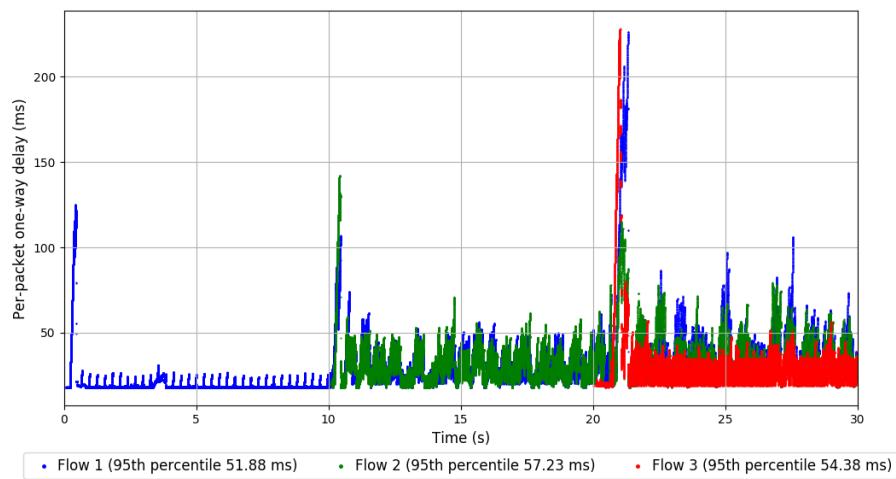
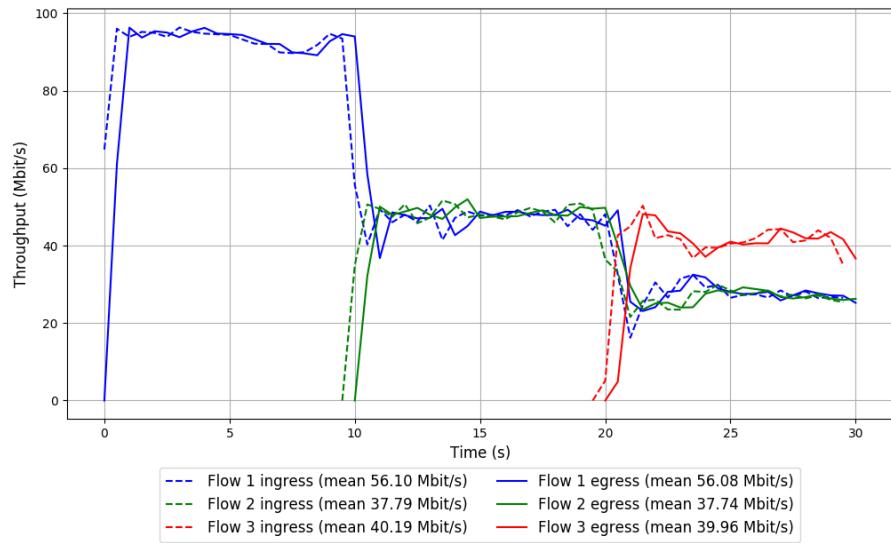


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-12-02 15:19:00
End at: 2018-12-02 15:19:30
Local clock offset: 0.653 ms
Remote clock offset: -3.267 ms

# Below is generated by plot.py at 2018-12-02 16:42:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 54.034 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.08 Mbit/s
95th percentile per-packet one-way delay: 51.881 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 57.227 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.65%
```

Run 2: Report of FillP-Sheep — Data Link

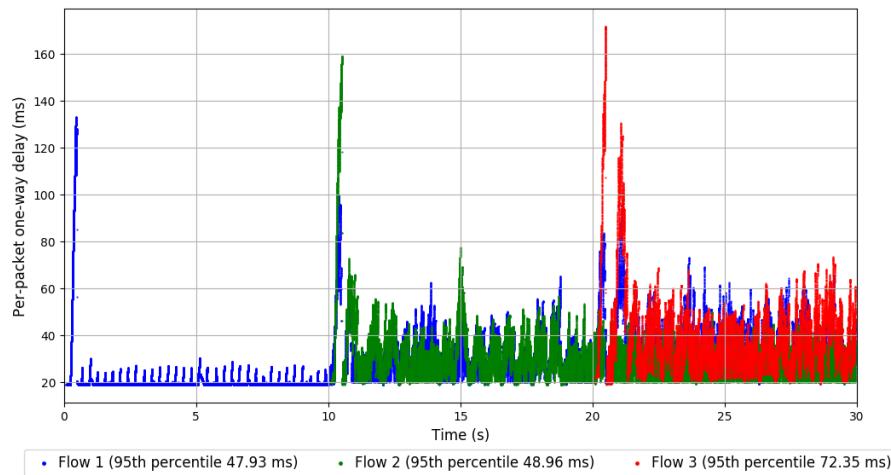
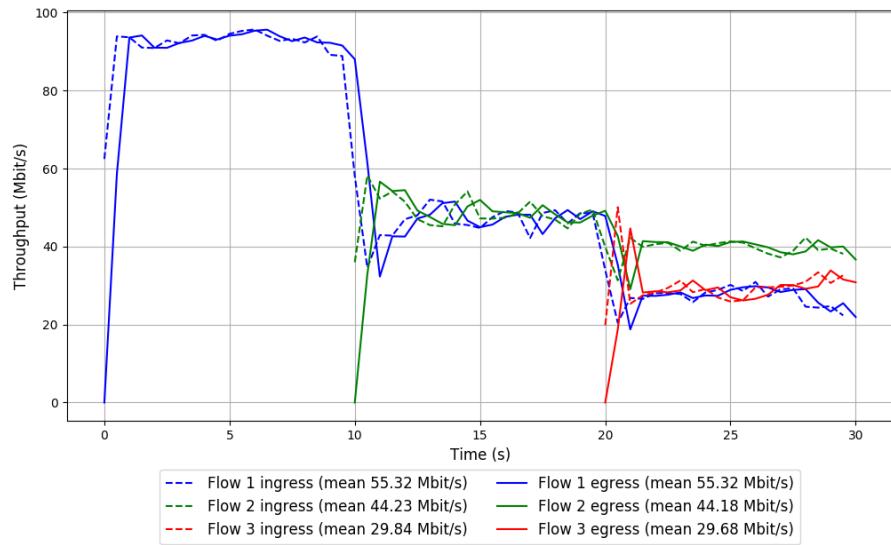


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-12-02 15:42:37
End at: 2018-12-02 15:43:07
Local clock offset: -0.407 ms
Remote clock offset: -3.987 ms

# Below is generated by plot.py at 2018-12-02 16:42:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 51.368 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 47.931 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 48.960 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 72.354 ms
Loss rate: 0.82%
```

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

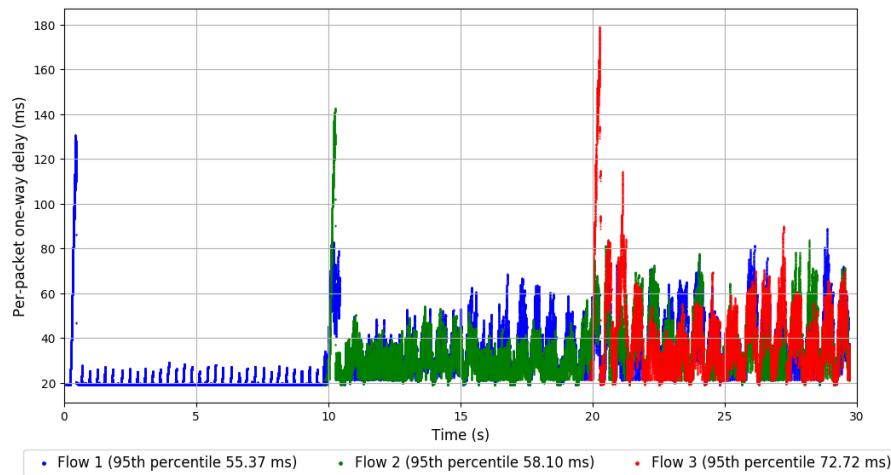
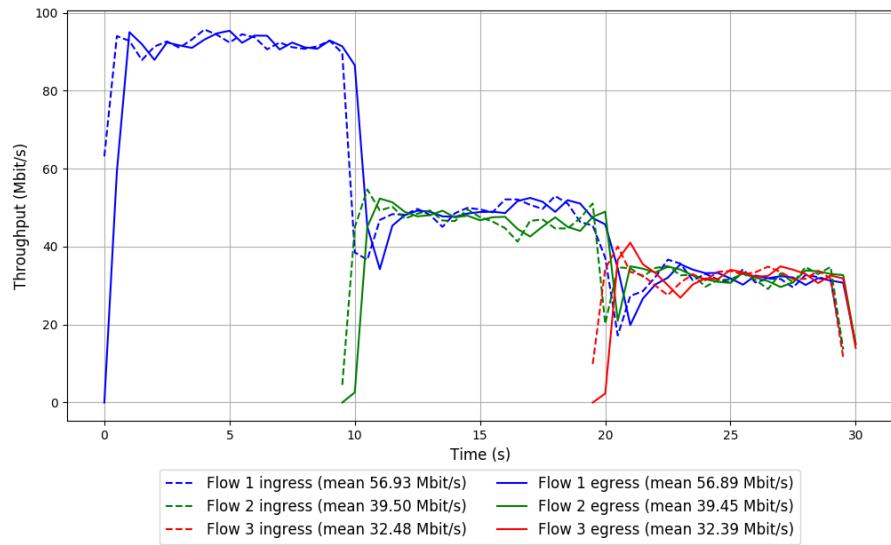


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-12-02 16:05:37
End at: 2018-12-02 16:06:08
Local clock offset: 0.356 ms
Remote clock offset: -3.628 ms

# Below is generated by plot.py at 2018-12-02 16:42:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 58.665 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 55.371 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 58.103 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 72.716 ms
Loss rate: 0.42%
```

Run 4: Report of FillP-Sheep — Data Link

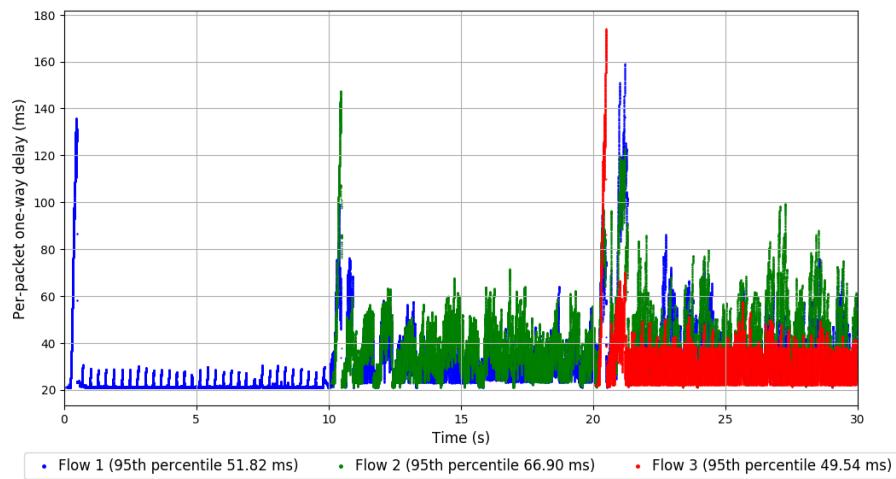
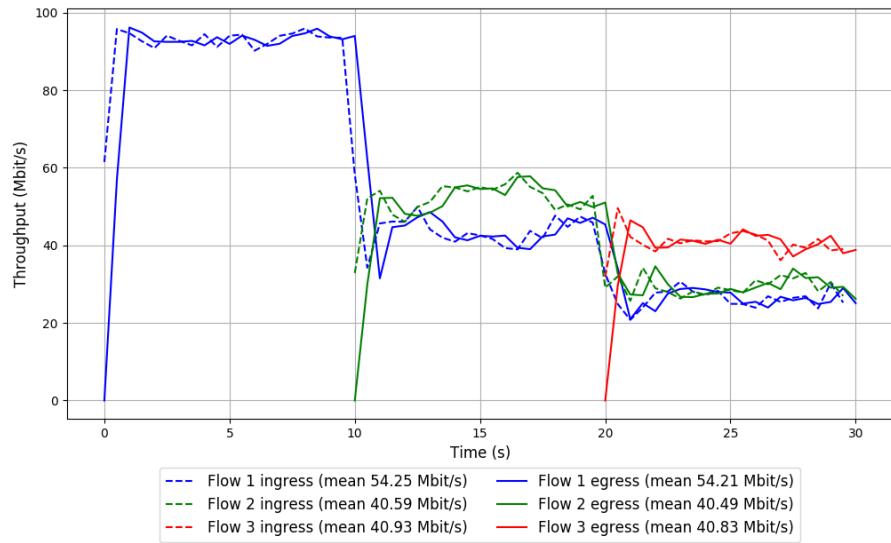


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-12-02 16:28:25
End at: 2018-12-02 16:28:55
Local clock offset: 2.972 ms
Remote clock offset: -3.111 ms

# Below is generated by plot.py at 2018-12-02 16:43:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 58.463 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 51.820 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 66.902 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 49.541 ms
Loss rate: 0.35%
```

Run 5: Report of FillP-Sheep — Data Link

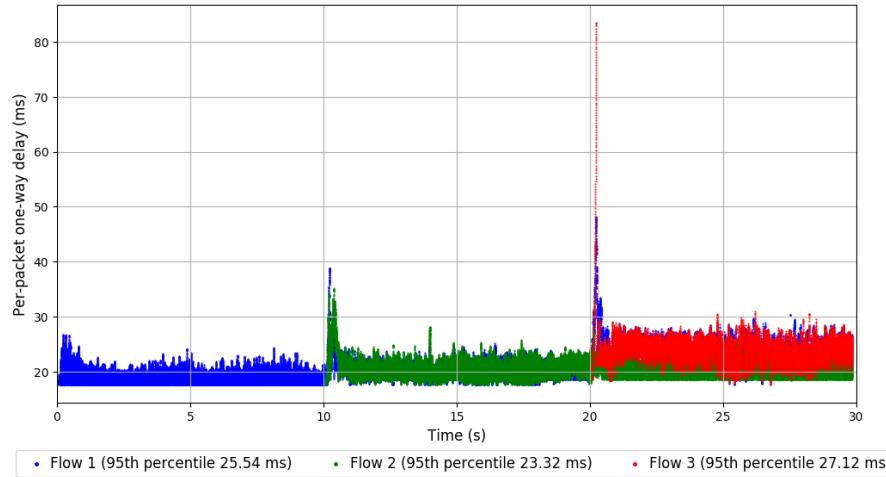
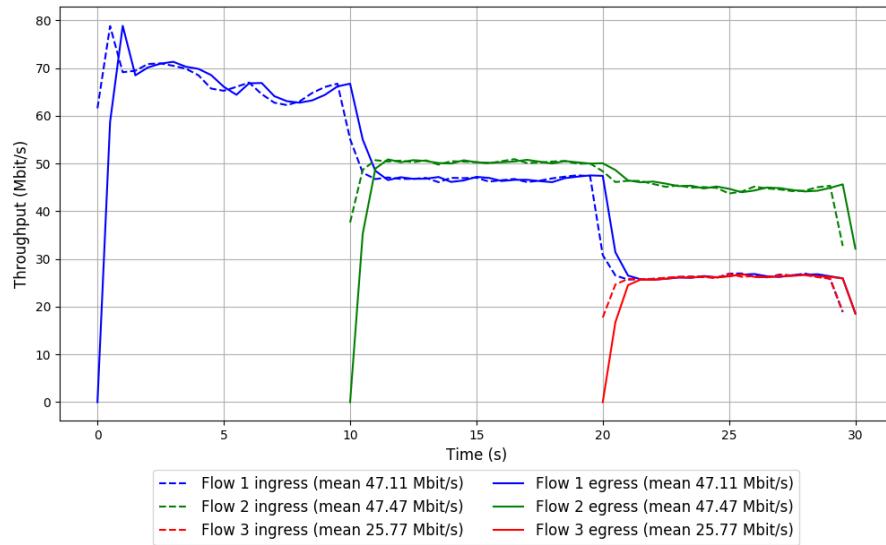


Run 1: Statistics of Indigo

```
Start at: 2018-12-02 14:52:39
End at: 2018-12-02 14:53:09
Local clock offset: 0.684 ms
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2018-12-02 16:43:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 25.644 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 25.541 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 23.325 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 27.117 ms
Loss rate: 0.31%
```

Run 1: Report of Indigo — Data Link

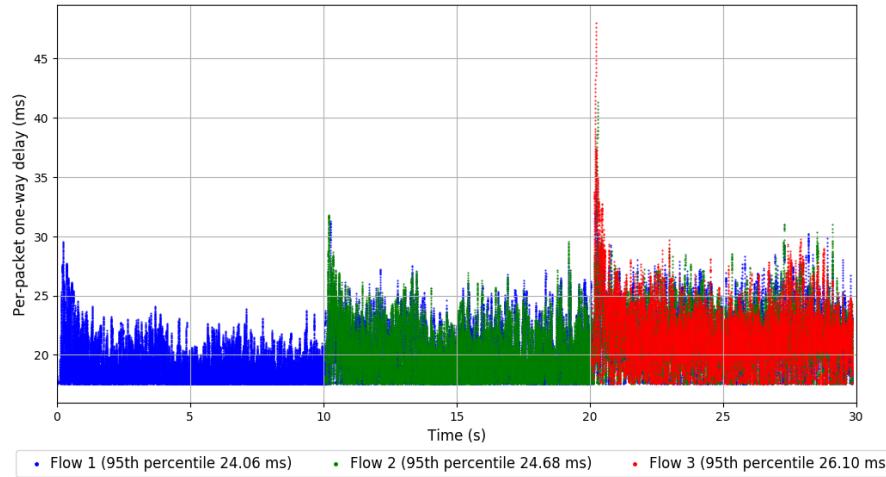
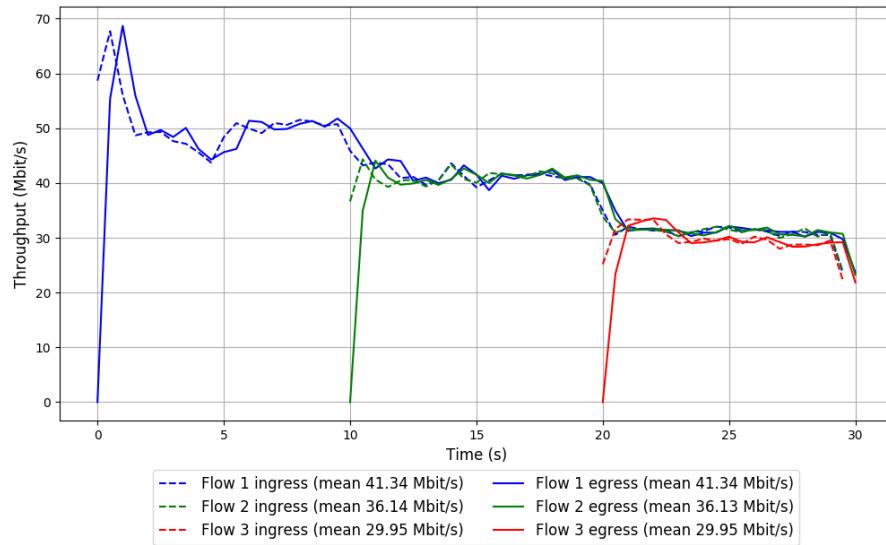


Run 2: Statistics of Indigo

```
Start at: 2018-12-02 15:16:30
End at: 2018-12-02 15:17:00
Local clock offset: 0.887 ms
Remote clock offset: -2.855 ms

# Below is generated by plot.py at 2018-12-02 16:43:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 24.589 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 24.059 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 24.675 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 26.098 ms
Loss rate: 0.30%
```

## Run 2: Report of Indigo — Data Link

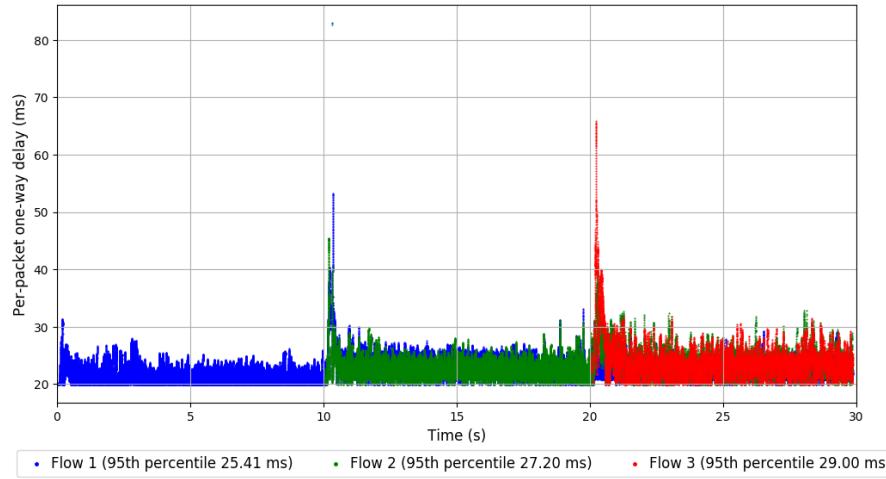
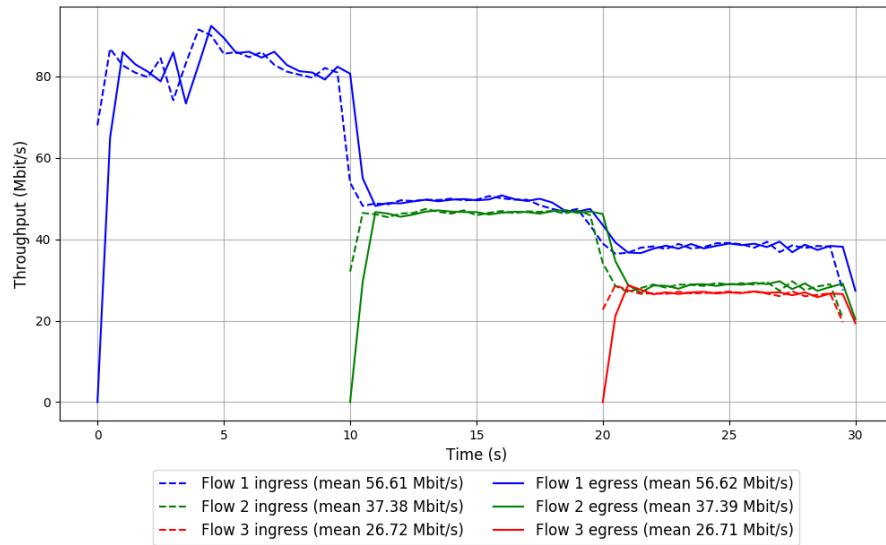


Run 3: Statistics of Indigo

```
Start at: 2018-12-02 15:40:09
End at: 2018-12-02 15:40:39
Local clock offset: 1.097 ms
Remote clock offset: -3.414 ms

# Below is generated by plot.py at 2018-12-02 16:43:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 26.159 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 25.409 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 27.204 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 29.000 ms
Loss rate: 0.29%
```

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

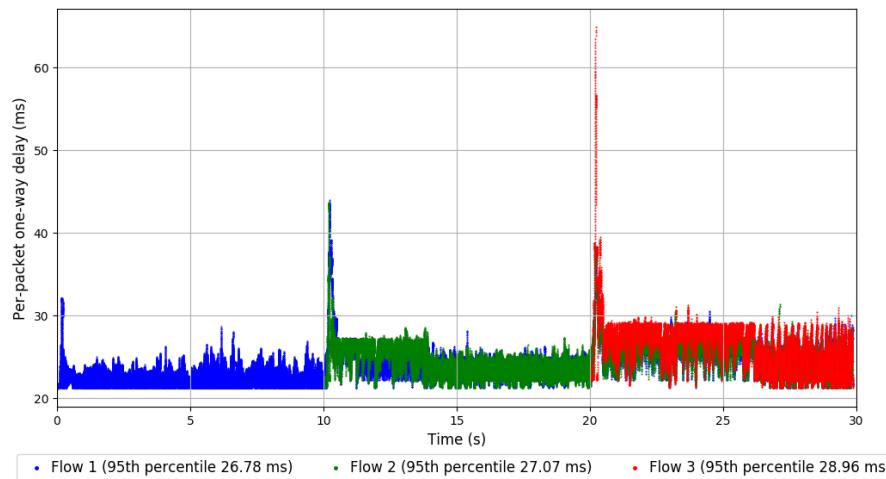
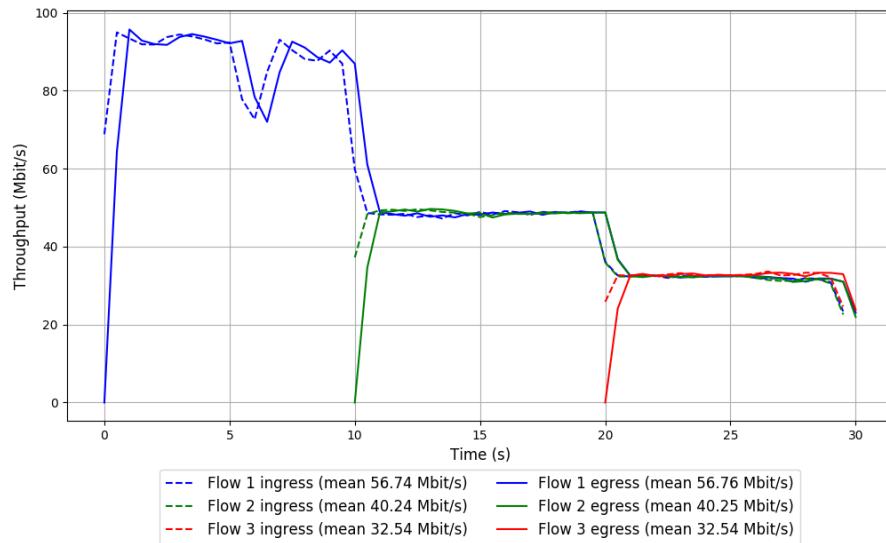


Run 4: Statistics of Indigo

```
Start at: 2018-12-02 16:03:07
End at: 2018-12-02 16:03:37
Local clock offset: 3.084 ms
Remote clock offset: -2.726 ms

# Below is generated by plot.py at 2018-12-02 16:43:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 28.117 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 26.784 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 27.070 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 28.965 ms
Loss rate: 0.28%
```

## Run 4: Report of Indigo — Data Link

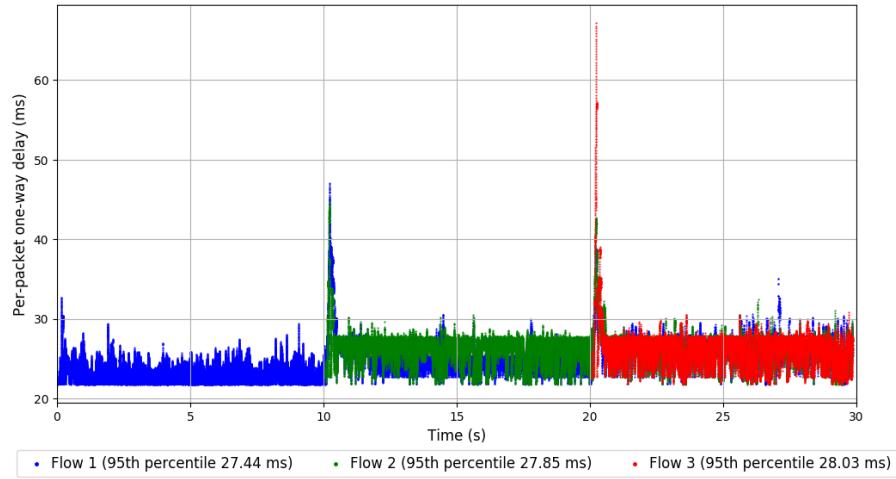
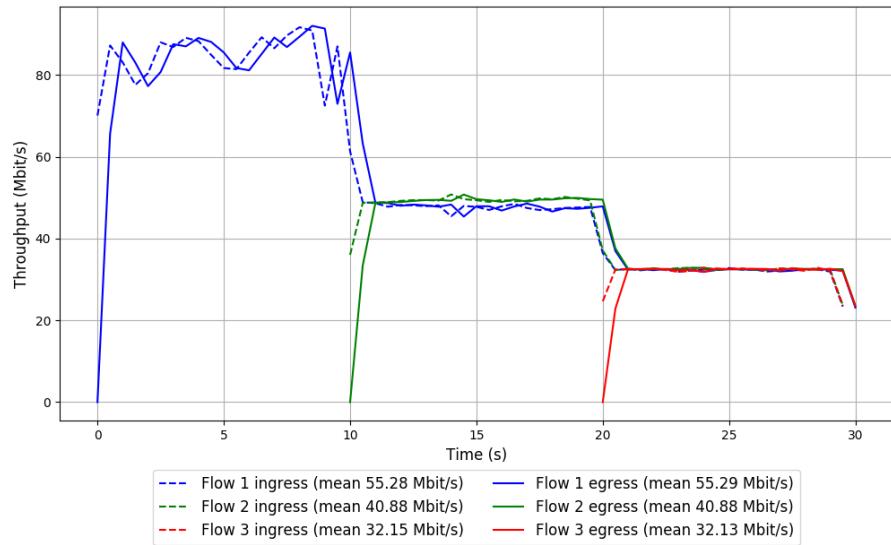


Run 5: Statistics of Indigo

```
Start at: 2018-12-02 16:25:57
End at: 2018-12-02 16:26:27
Local clock offset: 3.34 ms
Remote clock offset: -3.318 ms

# Below is generated by plot.py at 2018-12-02 16:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 27.681 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 27.443 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 27.850 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.30%
```

Run 5: Report of Indigo — Data Link

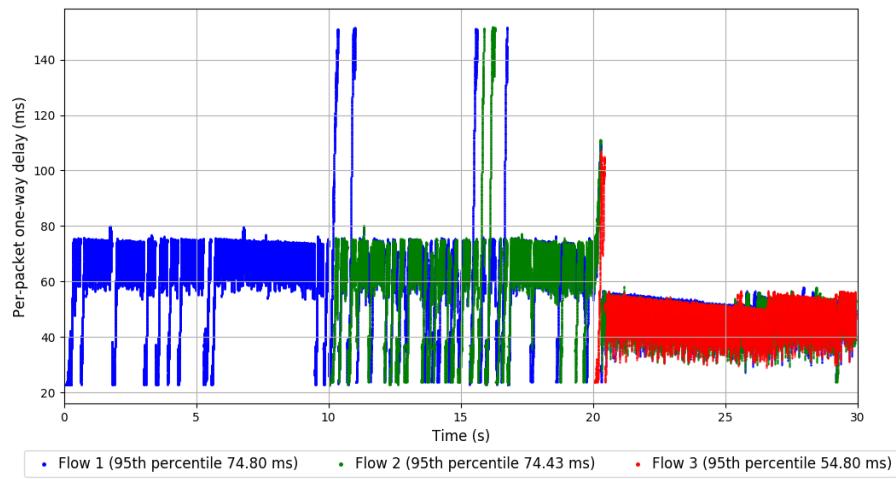
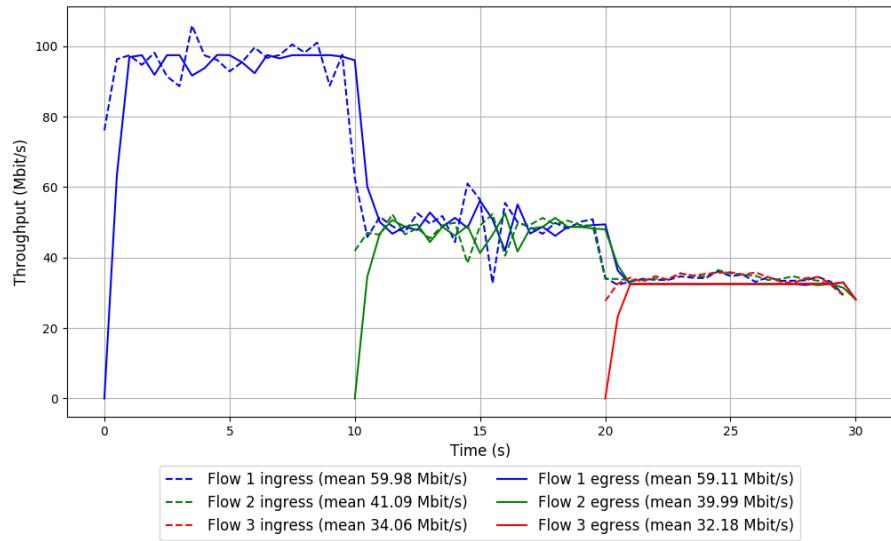


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-12-02 14:44:51
End at: 2018-12-02 14:45:21
Local clock offset: 4.901 ms
Remote clock offset: -4.585 ms

# Below is generated by plot.py at 2018-12-02 16:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 74.667 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 74.798 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 74.433 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 54.800 ms
Loss rate: 5.74%
```

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

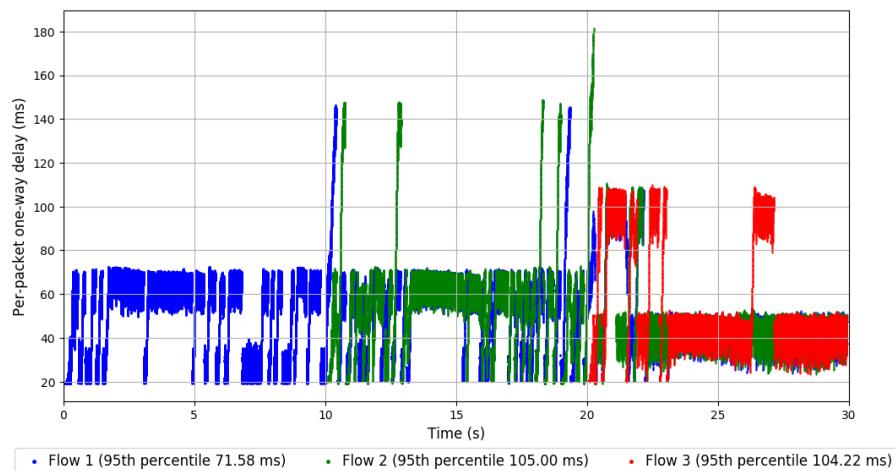
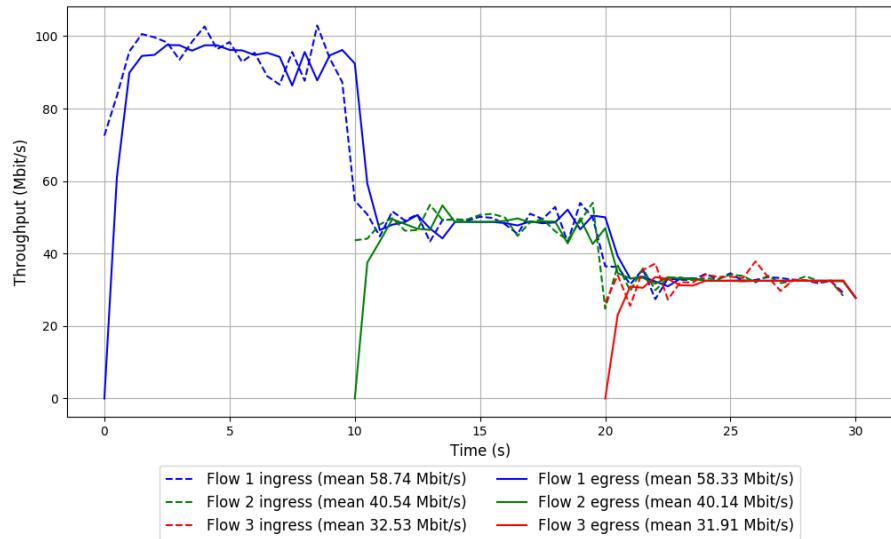


Run 2: Statistics of Indigo-96d2da3

```
Start at: 2018-12-02 15:08:48
End at: 2018-12-02 15:09:18
Local clock offset: 1.067 ms
Remote clock offset: -4.358 ms

# Below is generated by plot.py at 2018-12-02 16:43:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 95.192 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 71.581 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 104.999 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 104.225 ms
Loss rate: 2.05%
```

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

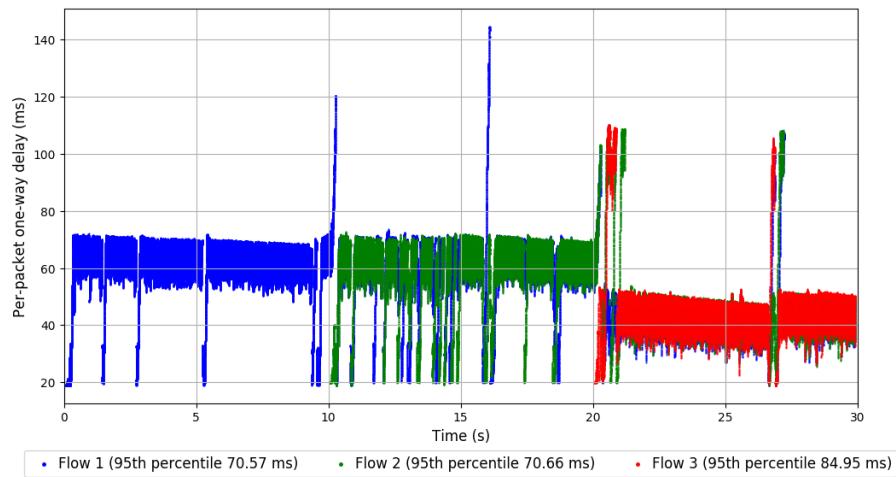
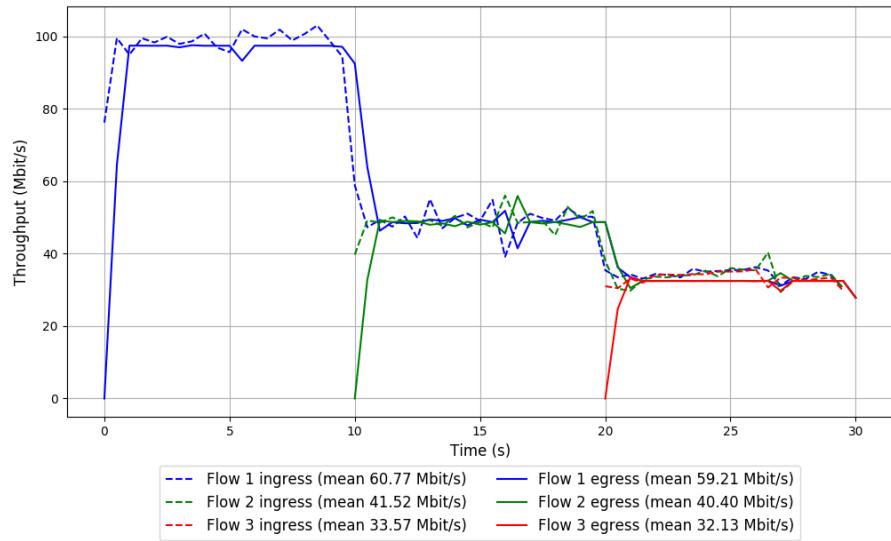


Run 3: Statistics of Indigo-96d2da3

```
Start at: 2018-12-02 15:32:36
End at: 2018-12-02 15:33:06
Local clock offset: 0.063 ms
Remote clock offset: -3.807 ms

# Below is generated by plot.py at 2018-12-02 16:43:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 70.601 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 70.570 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 70.662 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 84.947 ms
Loss rate: 4.46%
```

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

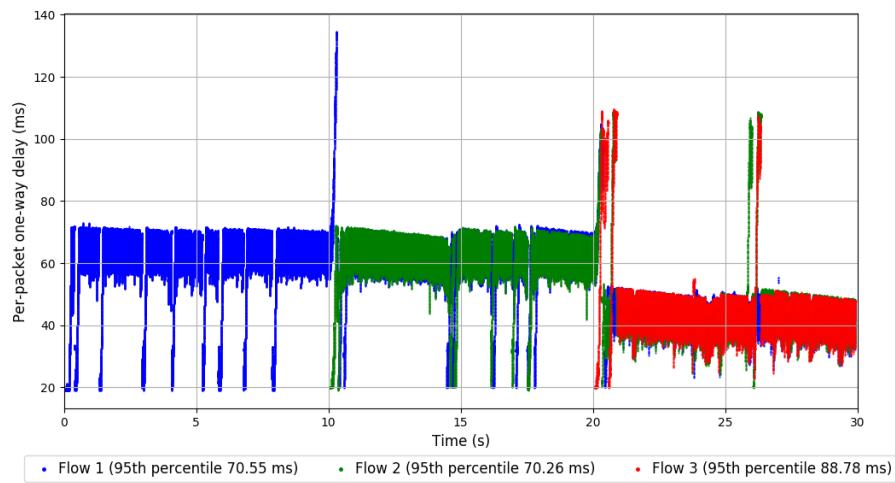
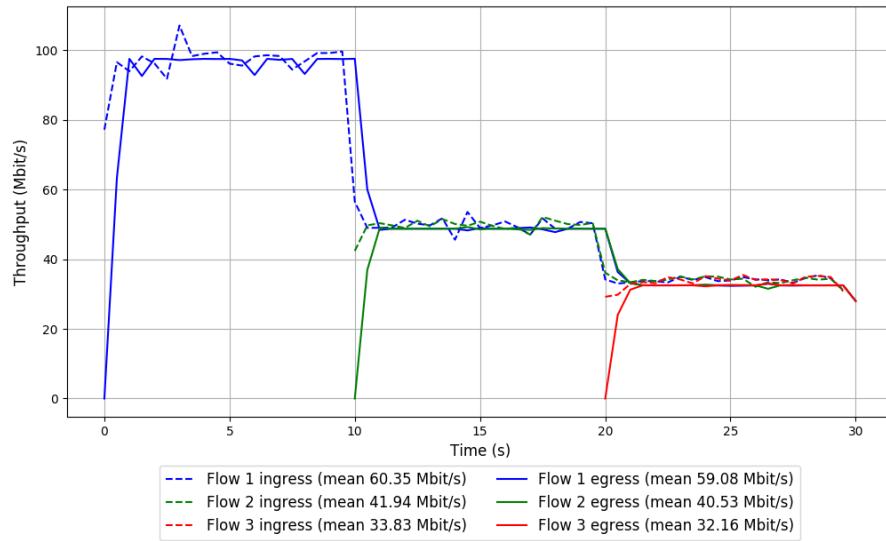


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-12-02 15:55:45
End at: 2018-12-02 15:56:15
Local clock offset: -0.276 ms
Remote clock offset: -3.863 ms

# Below is generated by plot.py at 2018-12-02 16:43:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 70.530 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 70.547 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 70.262 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 88.776 ms
Loss rate: 5.15%
```

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

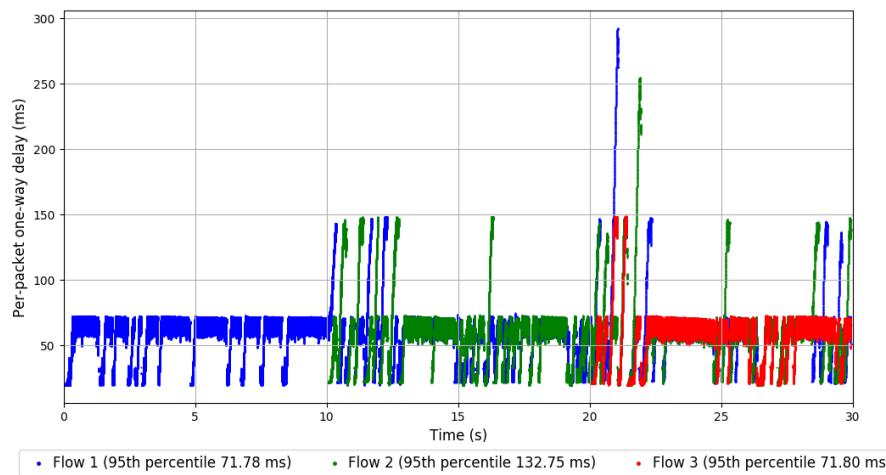
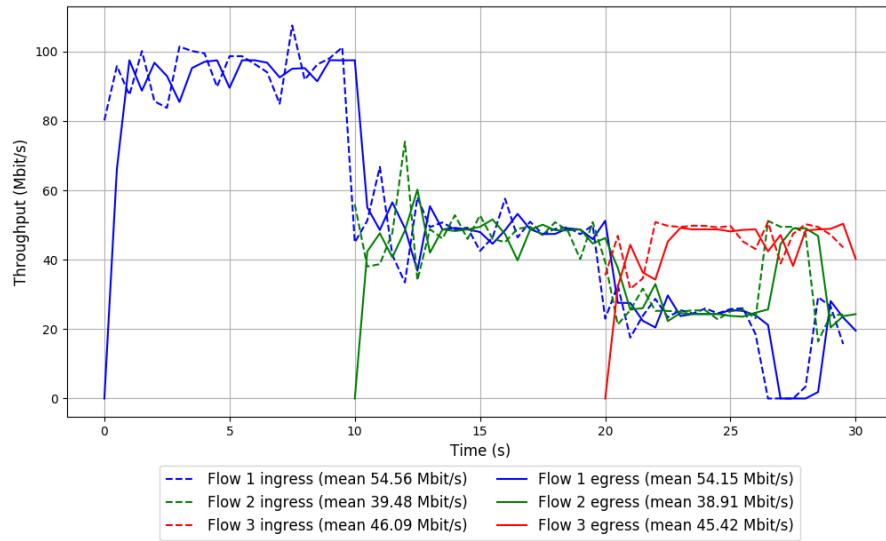


Run 5: Statistics of Indigo-96d2da3

```
Start at: 2018-12-02 16:18:40
End at: 2018-12-02 16:19:10
Local clock offset: 1.351 ms
Remote clock offset: -2.714 ms

# Below is generated by plot.py at 2018-12-02 16:43:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 91.906 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 71.781 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 132.749 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 71.800 ms
Loss rate: 1.70%
```

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

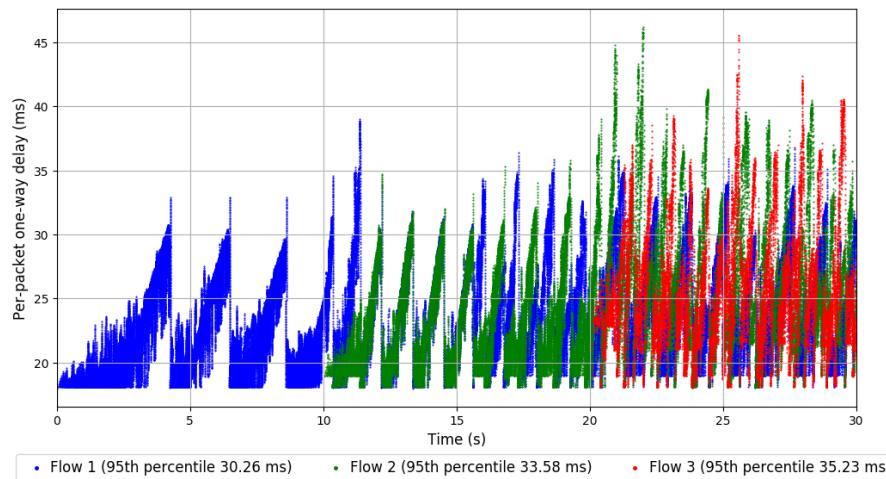
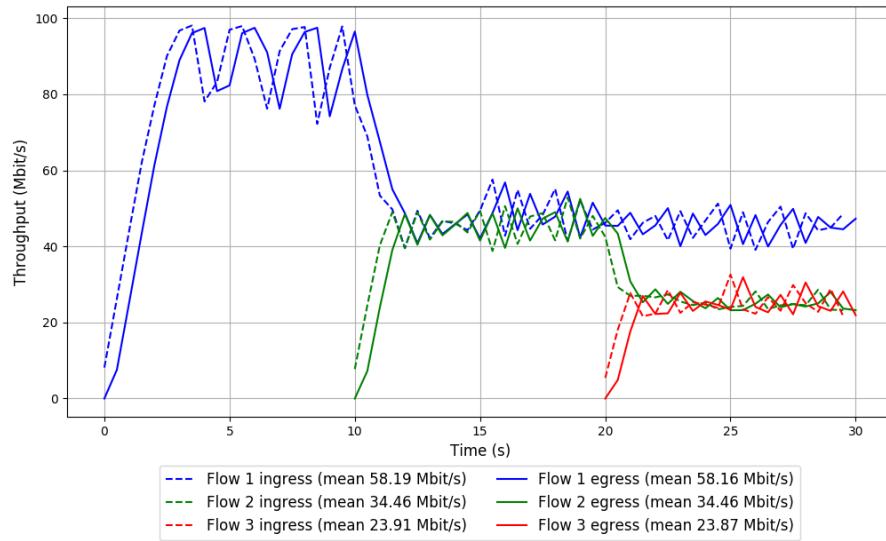


Run 1: Statistics of LEDBAT

```
Start at: 2018-12-02 14:48:47
End at: 2018-12-02 14:49:17
Local clock offset: 0.933 ms
Remote clock offset: -3.854 ms

# Below is generated by plot.py at 2018-12-02 16:44:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 31.605 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 30.261 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 33.575 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 35.234 ms
Loss rate: 0.41%
```

Run 1: Report of LEDBAT — Data Link

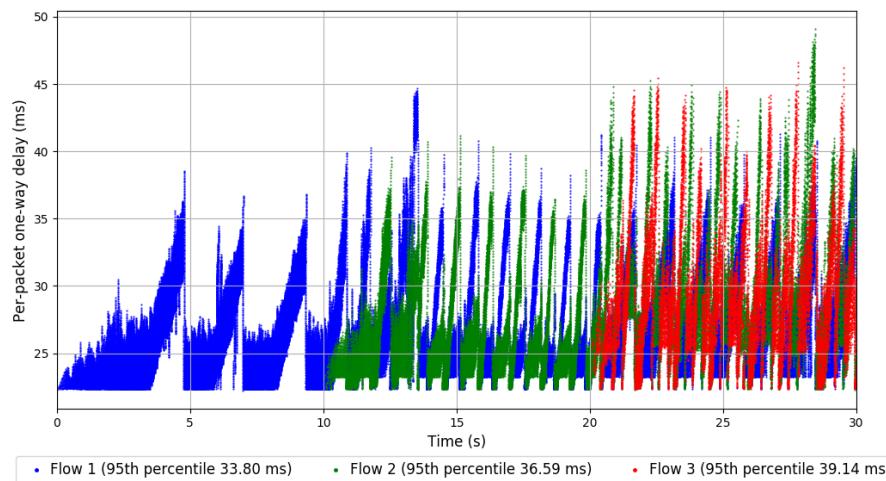
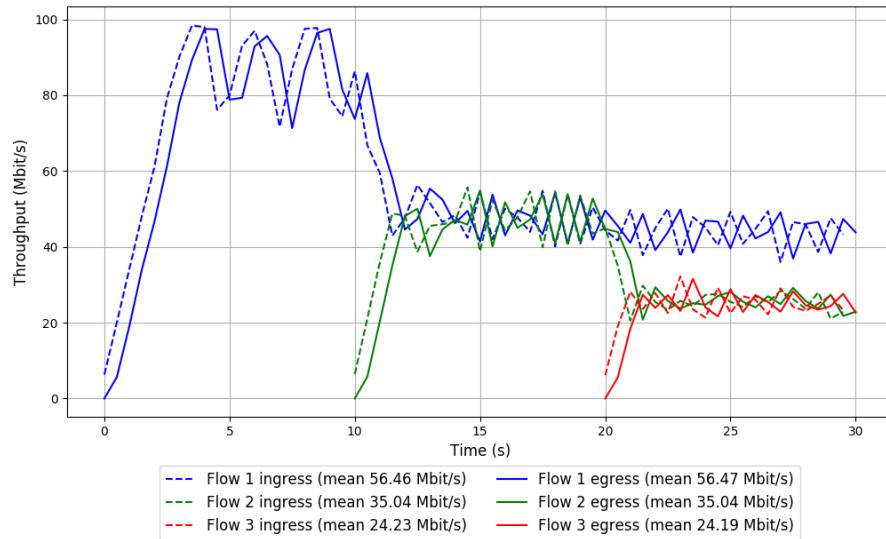


Run 2: Statistics of LEDBAT

```
Start at: 2018-12-02 15:12:50
End at: 2018-12-02 15:13:20
Local clock offset: 4.927 ms
Remote clock offset: -3.631 ms

# Below is generated by plot.py at 2018-12-02 16:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 35.121 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 33.800 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 36.590 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 39.143 ms
Loss rate: 0.45%
```

Run 2: Report of LEDBAT — Data Link

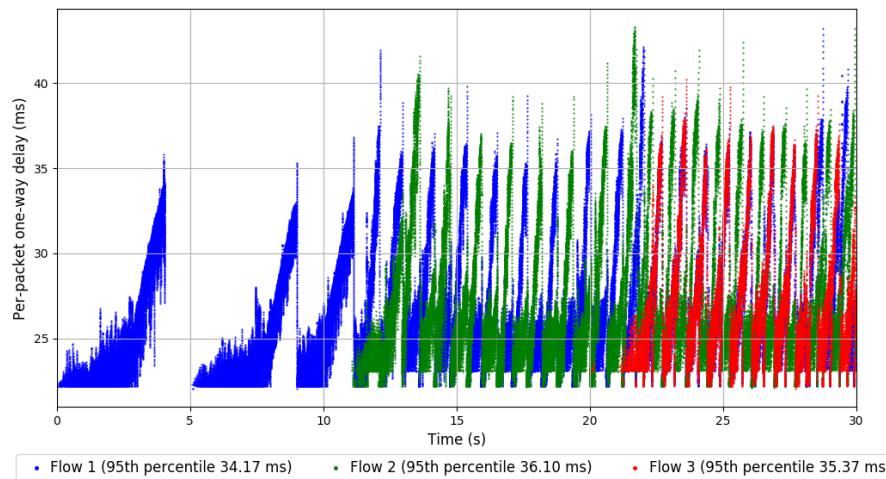
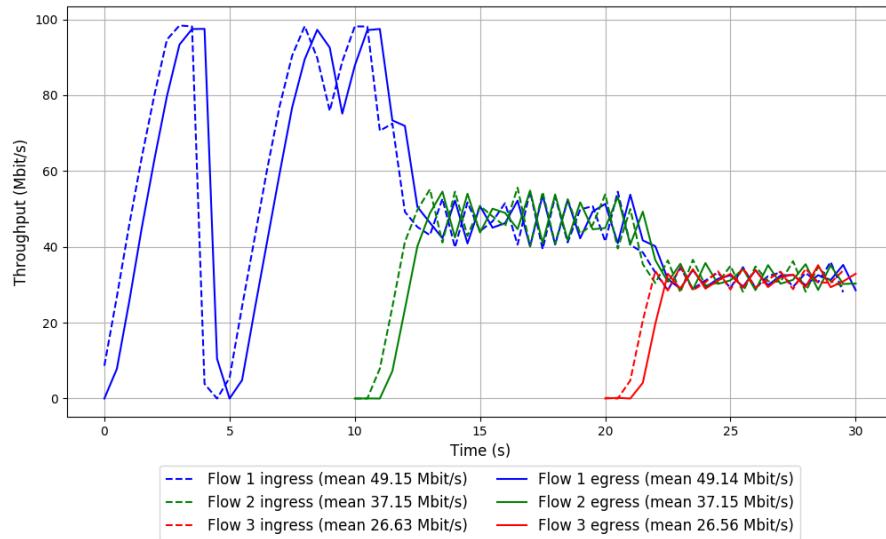


Run 3: Statistics of LEDBAT

```
Start at: 2018-12-02 15:36:25
End at: 2018-12-02 15:36:55
Local clock offset: 2.65 ms
Remote clock offset: -4.259 ms

# Below is generated by plot.py at 2018-12-02 16:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 35.053 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 34.175 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 36.102 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 35.368 ms
Loss rate: 0.47%
```

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

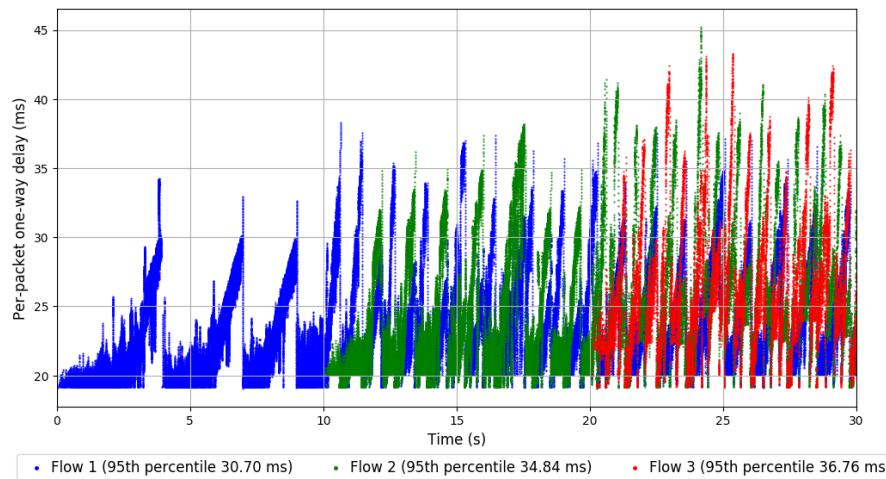
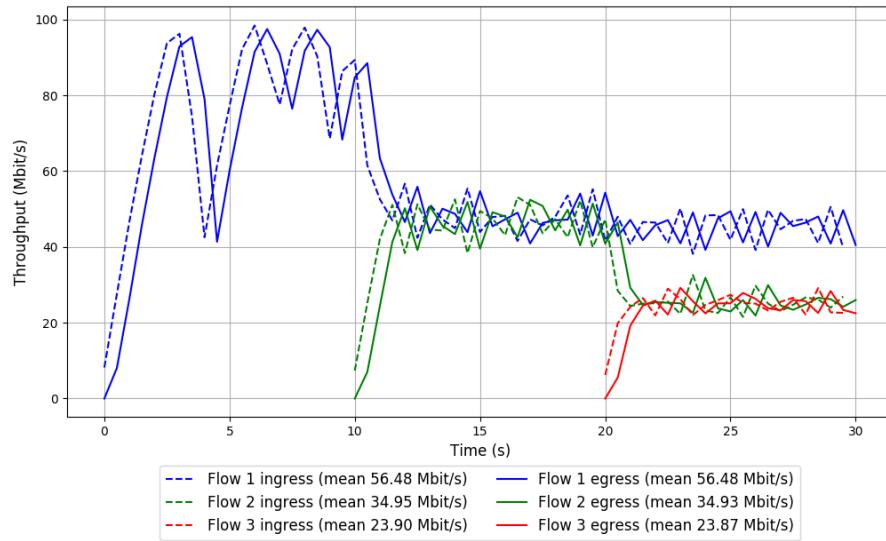


Run 4: Statistics of LEDBAT

```
Start at: 2018-12-02 15:59:31
End at: 2018-12-02 16:00:01
Local clock offset: -0.074 ms
Remote clock offset: -3.821 ms

# Below is generated by plot.py at 2018-12-02 16:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 32.486 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 30.695 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 34.841 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 36.763 ms
Loss rate: 0.35%
```

Run 4: Report of LEDBAT — Data Link

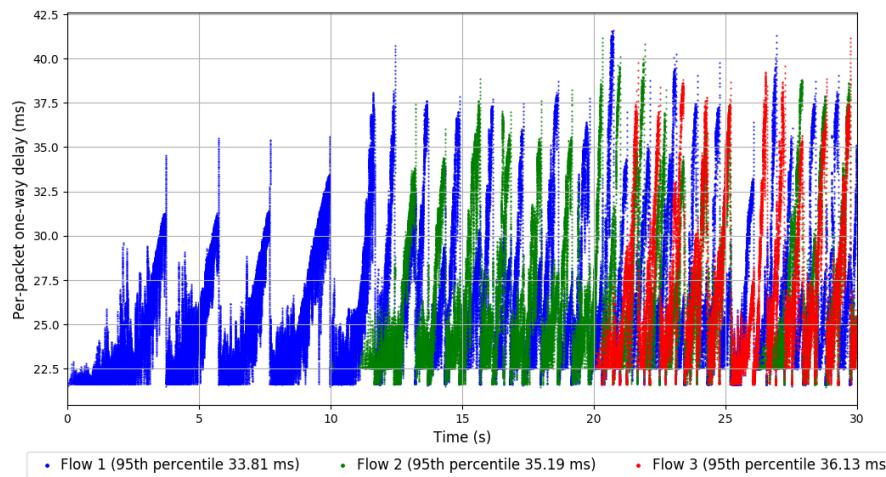
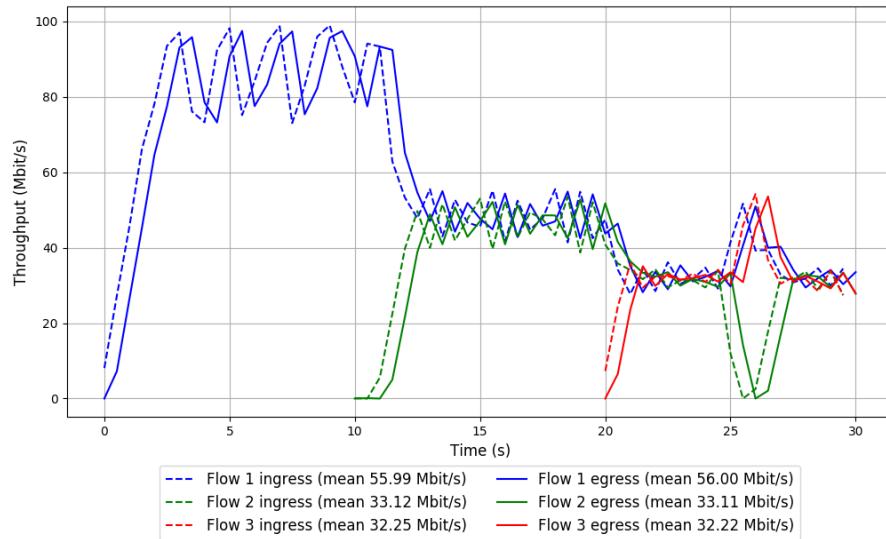


Run 5: Statistics of LEDBAT

```
Start at: 2018-12-02 16:22:20
End at: 2018-12-02 16:22:50
Local clock offset: 2.707 ms
Remote clock offset: -3.634 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 34.815 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 33.807 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 35.194 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 36.134 ms
Loss rate: 0.27%
```

## Run 5: Report of LEDBAT — Data Link

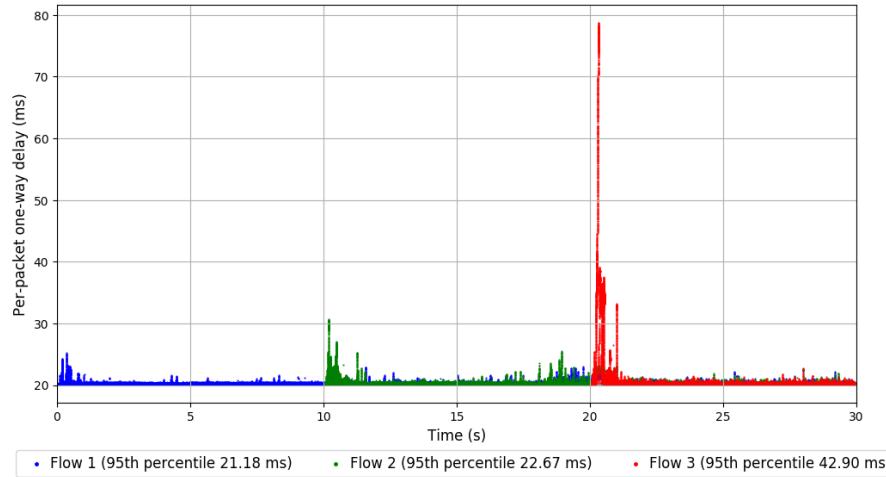
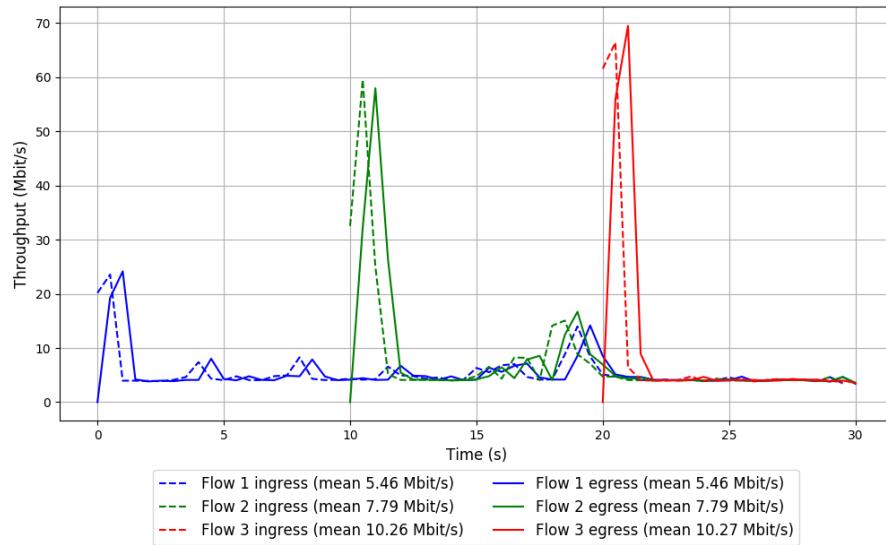


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-12-02 14:56:29
End at: 2018-12-02 14:56:59
Local clock offset: 2.505 ms
Remote clock offset: -4.18 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 31.870 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 21.183 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 22.667 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 0.13%
```

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

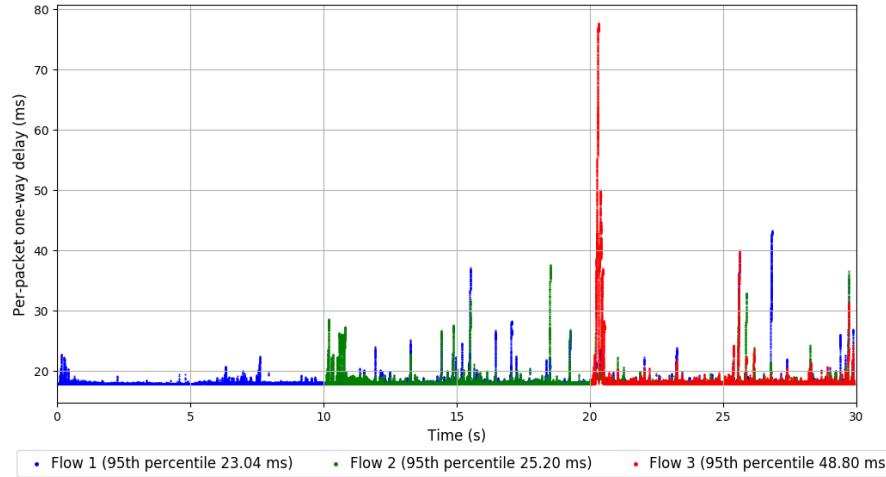
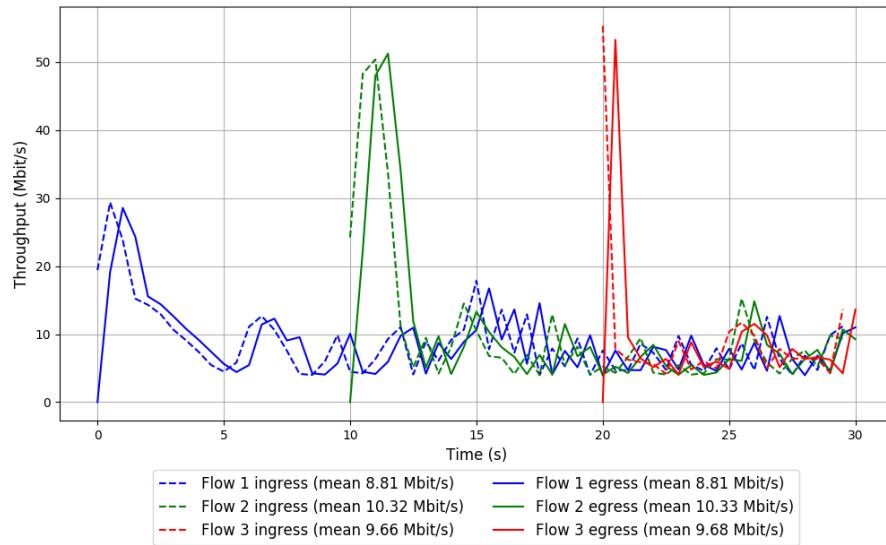


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-12-02 15:20:15
End at: 2018-12-02 15:20:45
Local clock offset: -0.184 ms
Remote clock offset: -3.804 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 29.272 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 23.037 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 25.197 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 48.802 ms
Loss rate: 0.13%
```

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

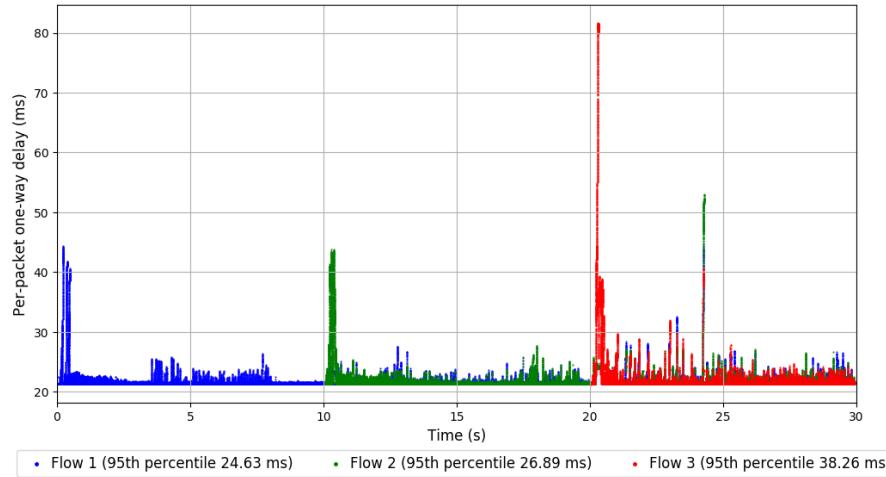
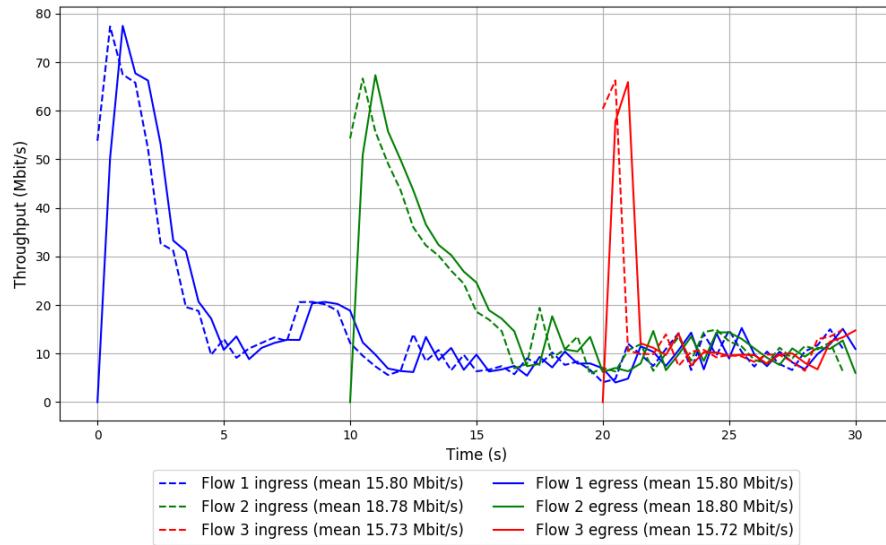


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-12-02 15:43:49
End at: 2018-12-02 15:44:19
Local clock offset: 2.696 ms
Remote clock offset: -3.108 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 28.977 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 24.629 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 26.891 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 38.264 ms
Loss rate: 0.32%
```

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

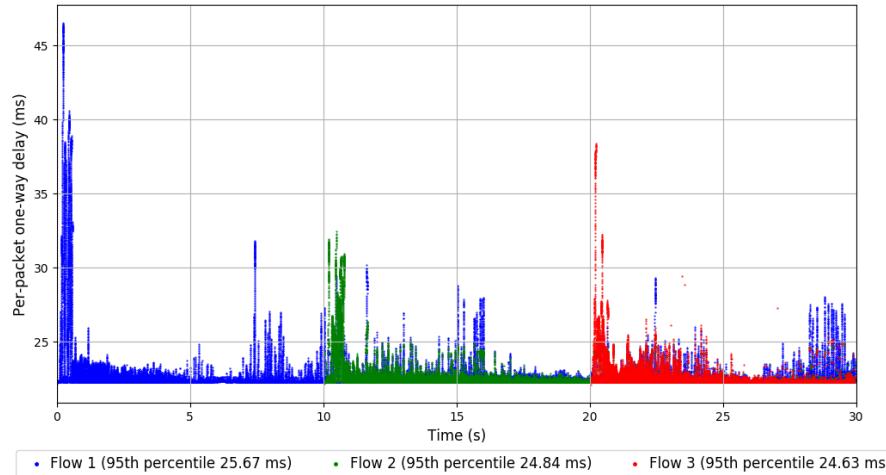
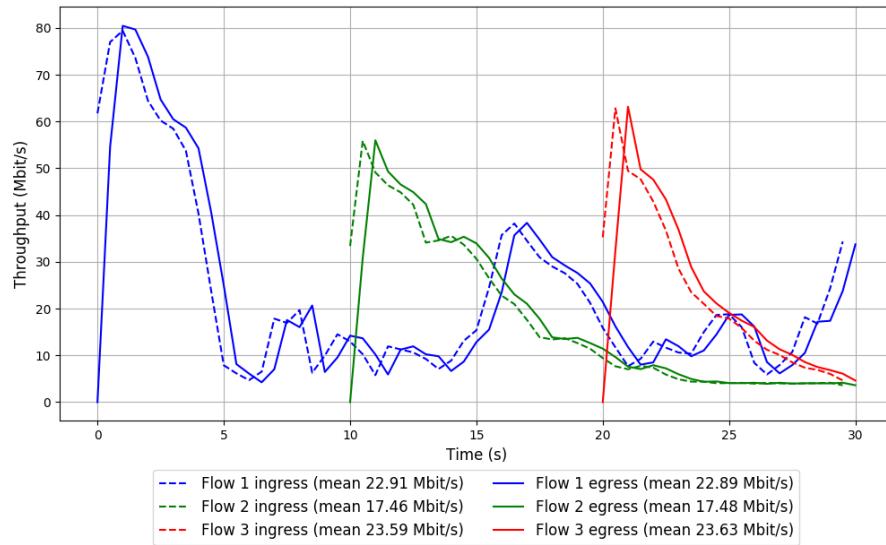


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-12-02 16:06:48
End at: 2018-12-02 16:07:18
Local clock offset: 3.107 ms
Remote clock offset: -3.688 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.34 Mbit/s
95th percentile per-packet one-way delay: 25.144 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 25.674 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 24.838 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 24.634 ms
Loss rate: 0.05%
```

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

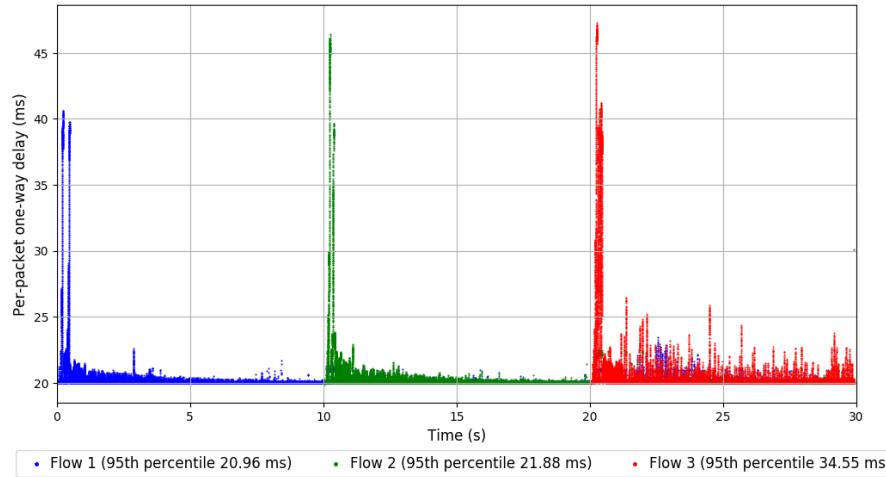
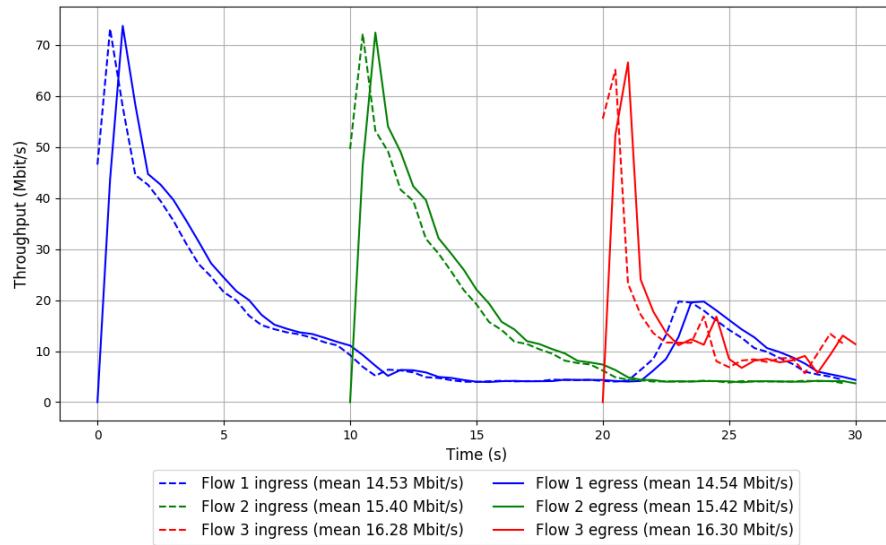


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-12-02 16:29:37
End at: 2018-12-02 16:30:07
Local clock offset: 2.131 ms
Remote clock offset: -2.833 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 22.520 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 20.957 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 21.878 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 0.28%
```

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

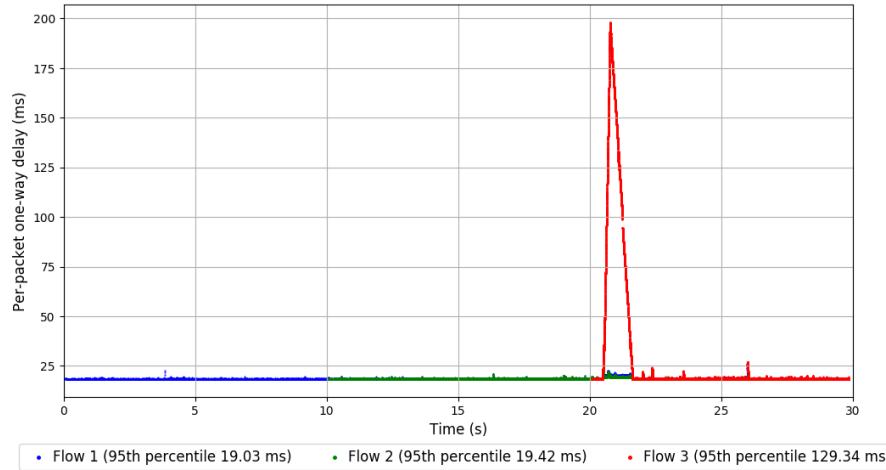
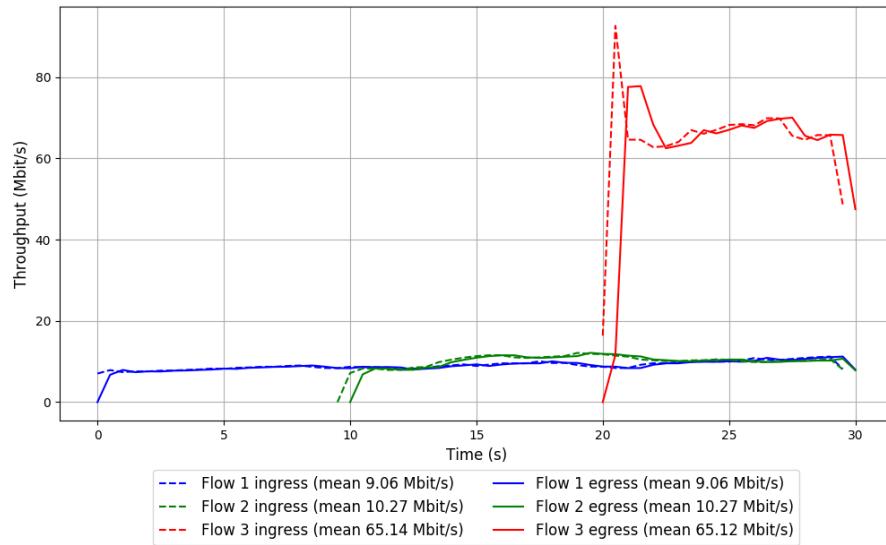


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-12-02 14:41:14
End at: 2018-12-02 14:41:44
Local clock offset: 0.067 ms
Remote clock offset: -5.17 ms

# Below is generated by plot.py at 2018-12-02 16:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 71.814 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 129.340 ms
Loss rate: 0.34%
```

Run 1: Report of PCC-Allegro — Data Link

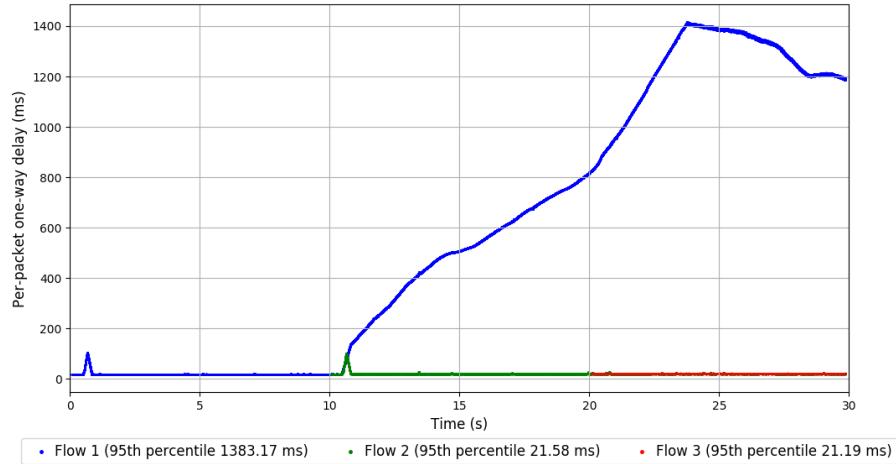
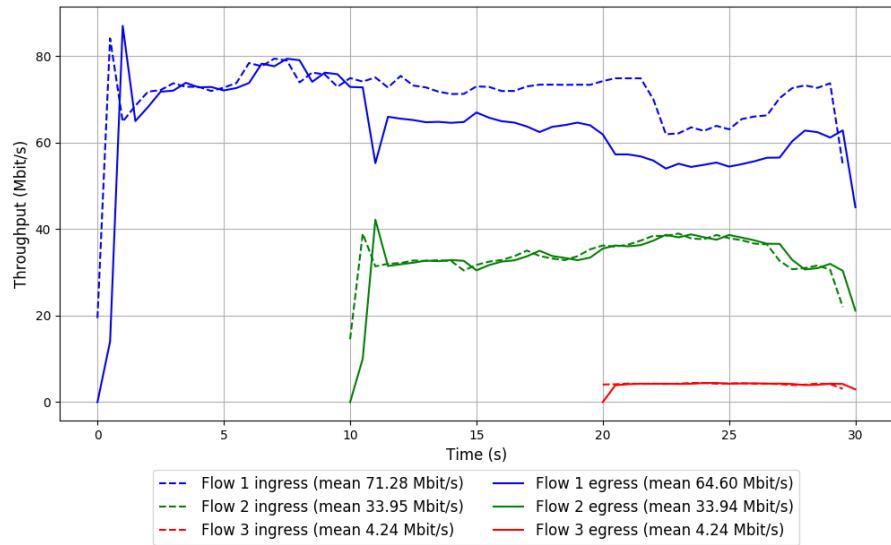


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-12-02 15:05:09
End at: 2018-12-02 15:05:39
Local clock offset: 1.869 ms
Remote clock offset: -2.567 ms

# Below is generated by plot.py at 2018-12-02 16:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 1371.882 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 1383.173 ms
Loss rate: 9.45%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 21.579 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 21.193 ms
Loss rate: 0.35%
```

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

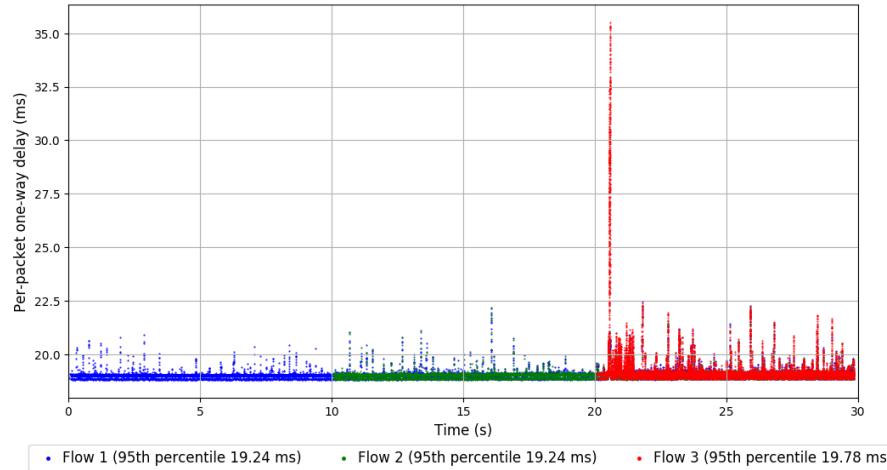
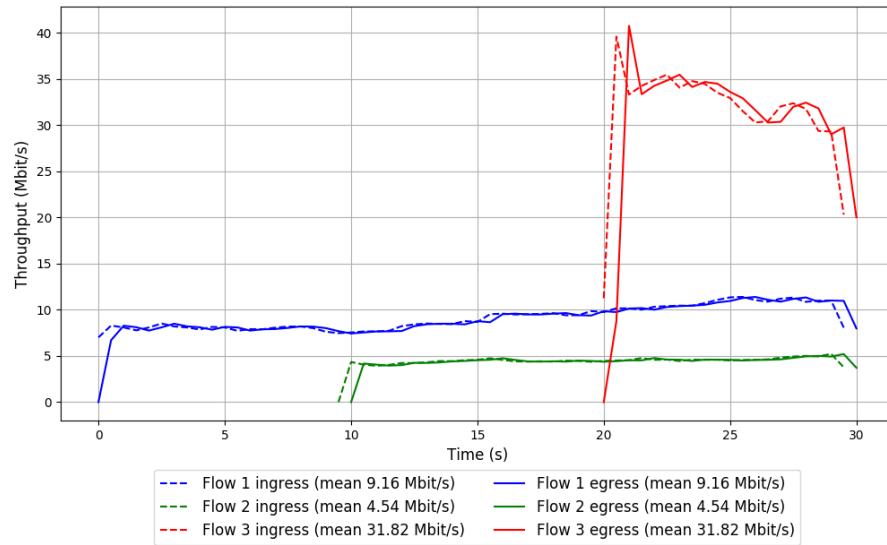


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-12-02 15:29:06
End at: 2018-12-02 15:29:36
Local clock offset: 0.822 ms
Remote clock offset: -3.266 ms

# Below is generated by plot.py at 2018-12-02 16:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 19.778 ms
Loss rate: 0.22%
```

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

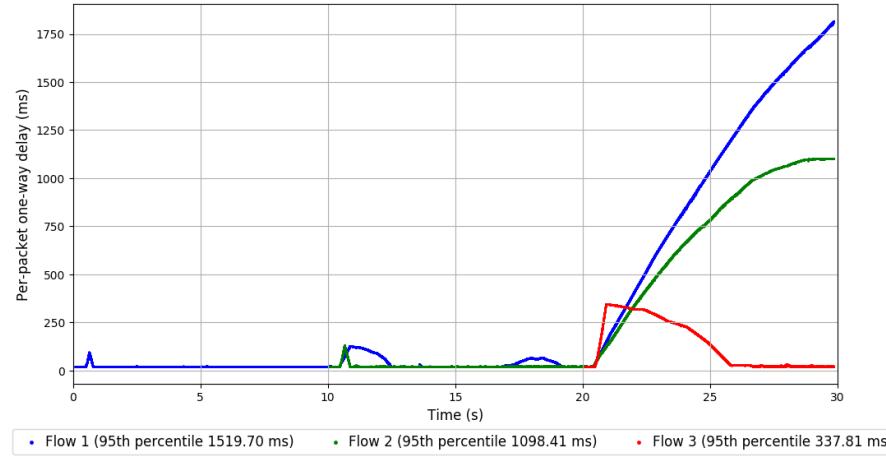
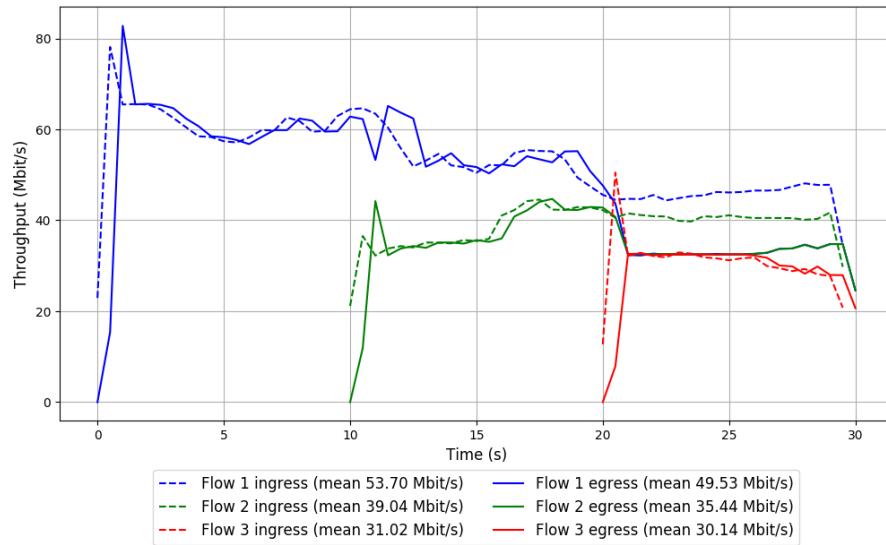


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-12-02 15:52:13
End at: 2018-12-02 15:52:43
Local clock offset: 2.311 ms
Remote clock offset: -3.47 ms

# Below is generated by plot.py at 2018-12-02 16:45:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 1268.238 ms
Loss rate: 7.73%
-- Flow 1:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 1519.703 ms
Loss rate: 7.85%
-- Flow 2:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 1098.409 ms
Loss rate: 9.32%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 337.812 ms
Loss rate: 3.07%
```

## Run 4: Report of PCC-Allegro — Data Link

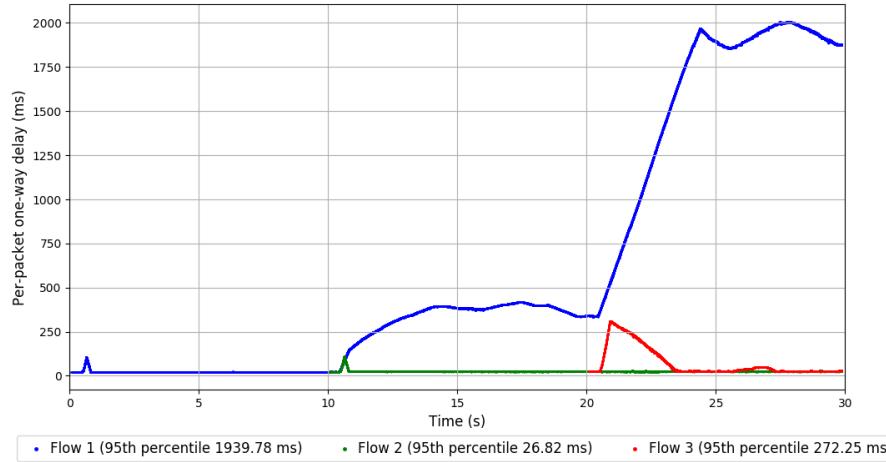
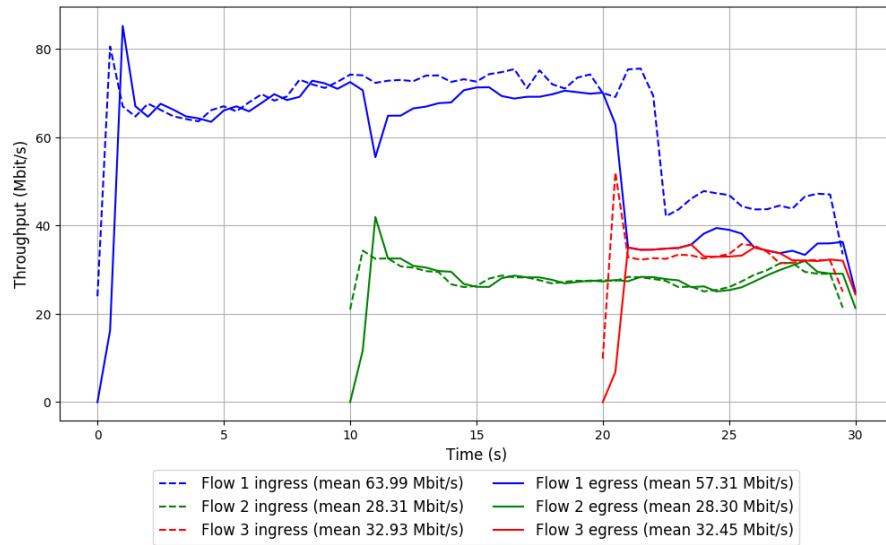


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-12-02 16:15:04
End at: 2018-12-02 16:15:34
Local clock offset: 2.999 ms
Remote clock offset: -3.646 ms

# Below is generated by plot.py at 2018-12-02 16:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 1901.622 ms
Loss rate: 7.41%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 1939.783 ms
Loss rate: 10.51%
-- Flow 2:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 26.823 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 272.245 ms
Loss rate: 1.71%
```

Run 5: Report of PCC-Allegro — Data Link

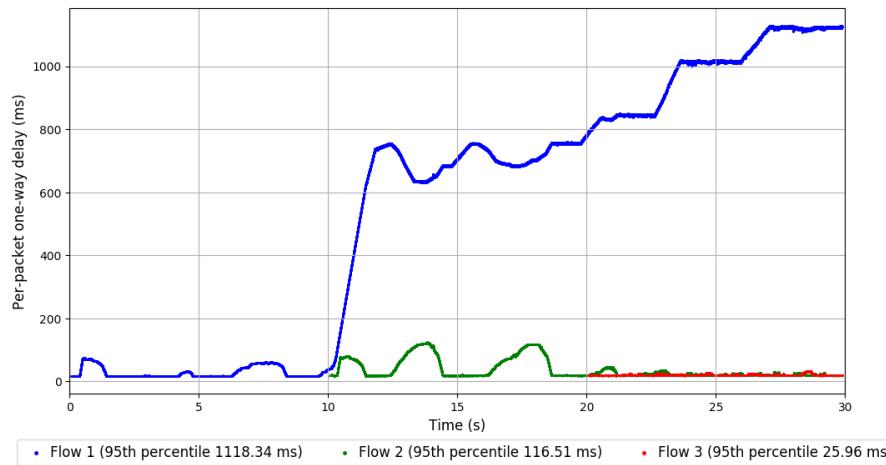
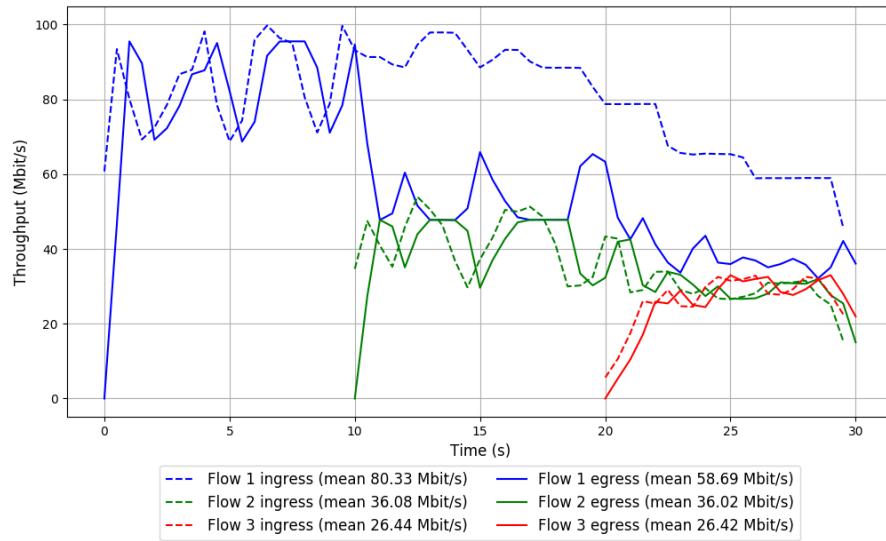


Run 1: Statistics of PCC-Expr

```
Start at: 2018-12-02 15:01:29
End at: 2018-12-02 15:01:59
Local clock offset: -0.061 ms
Remote clock offset: -3.007 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 1018.100 ms
Loss rate: 19.29%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 1118.340 ms
Loss rate: 27.03%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 116.507 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 26.42 Mbit/s
95th percentile per-packet one-way delay: 25.962 ms
Loss rate: 0.31%
```

Run 1: Report of PCC-Expr — Data Link

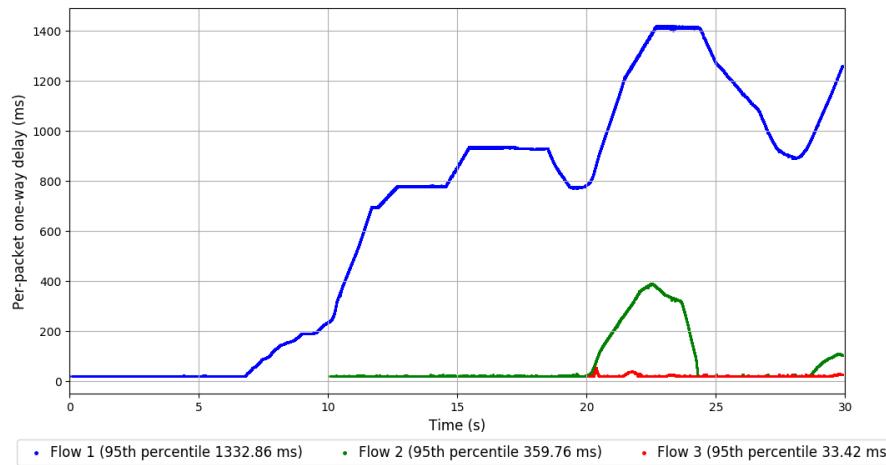
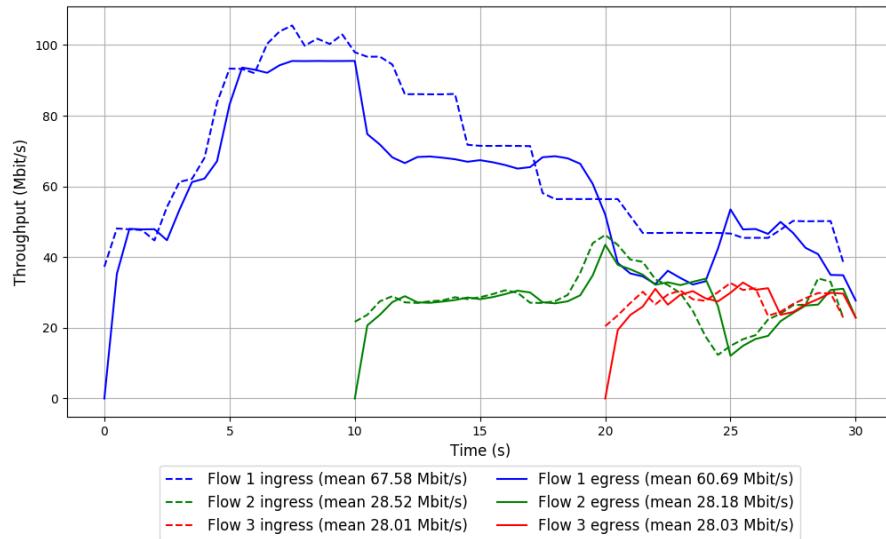


Run 2: Statistics of PCC-Expr

```
Start at: 2018-12-02 15:25:08
End at: 2018-12-02 15:25:38
Local clock offset: 3.115 ms
Remote clock offset: -3.696 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 1249.348 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 1332.864 ms
Loss rate: 10.27%
-- Flow 2:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 359.765 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 33.416 ms
Loss rate: 0.29%
```

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

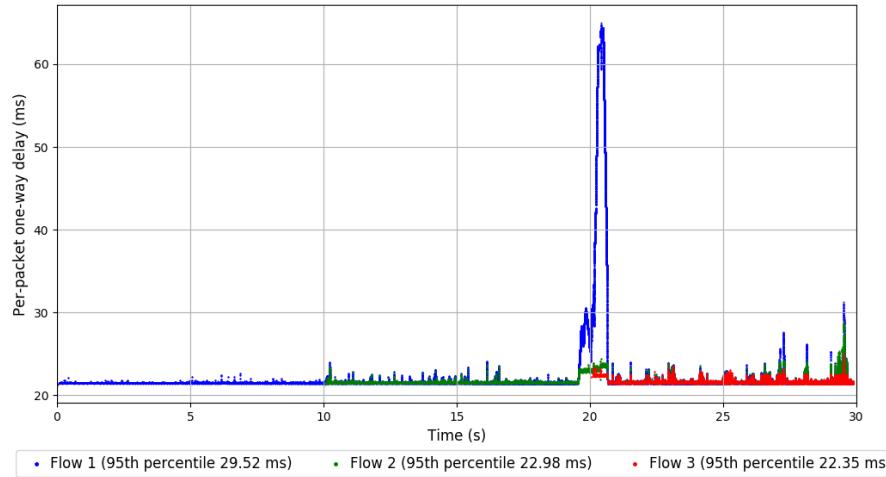
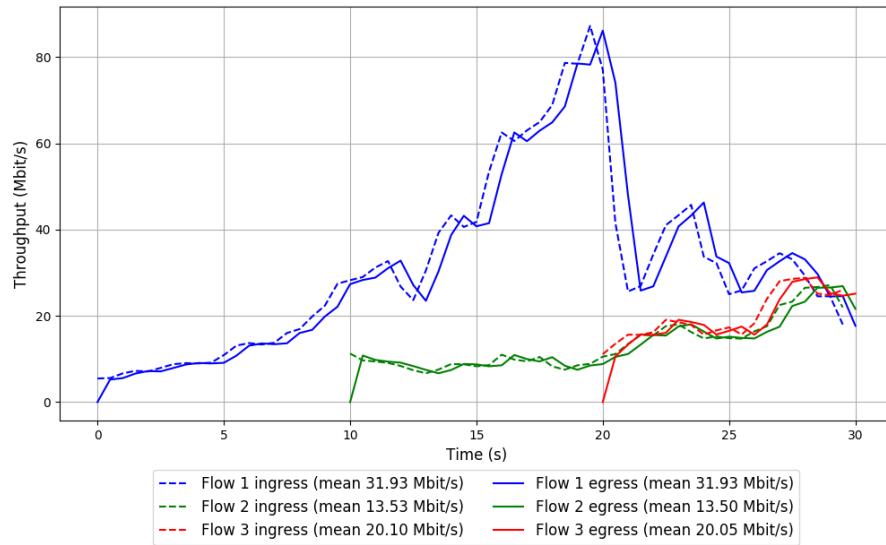


Run 3: Statistics of PCC-Expr

```
Start at: 2018-12-02 15:48:35
End at: 2018-12-02 15:49:05
Local clock offset: 1.734 ms
Remote clock offset: -4.073 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 26.794 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 29.524 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 22.978 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 20.05 Mbit/s
95th percentile per-packet one-way delay: 22.351 ms
Loss rate: 0.53%
```

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

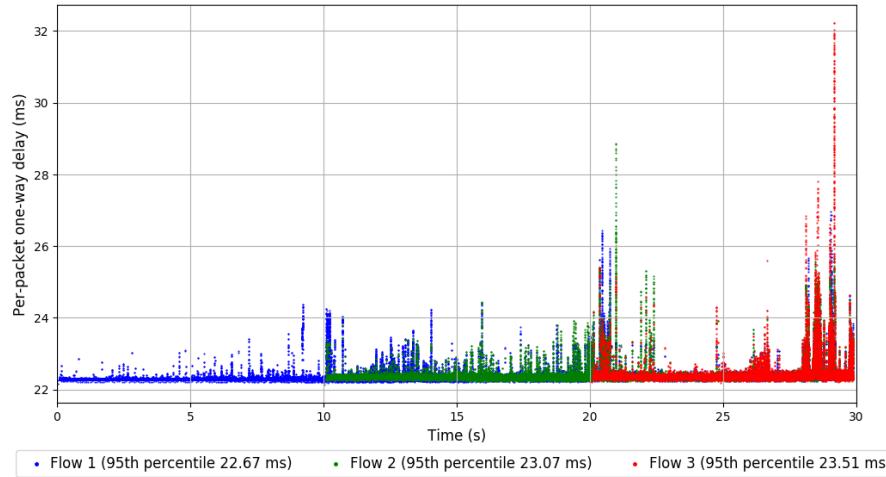
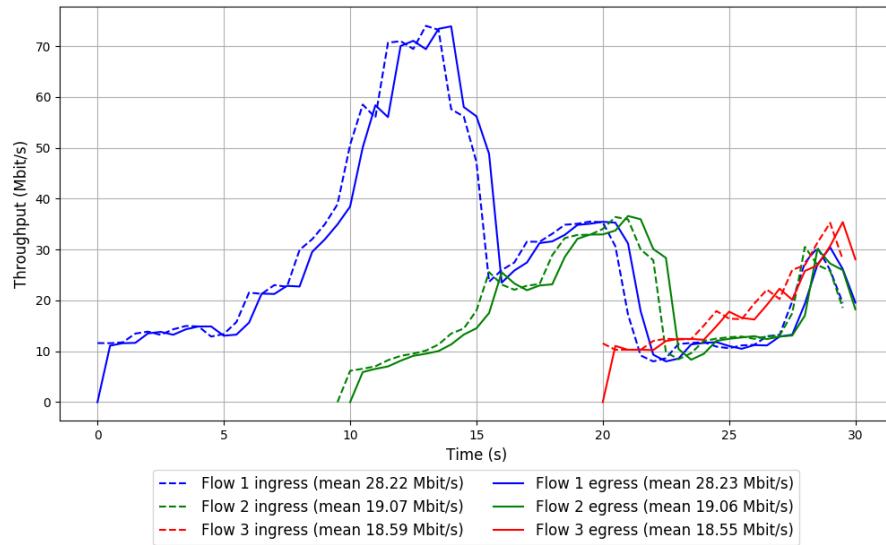


Run 4: Statistics of PCC-Expr

```
Start at: 2018-12-02 16:11:32
End at: 2018-12-02 16:12:02
Local clock offset: 2.959 ms
Remote clock offset: -3.791 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 22.930 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 22.673 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 23.075 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 23.507 ms
Loss rate: 0.46%
```

Run 4: Report of PCC-Expr — Data Link

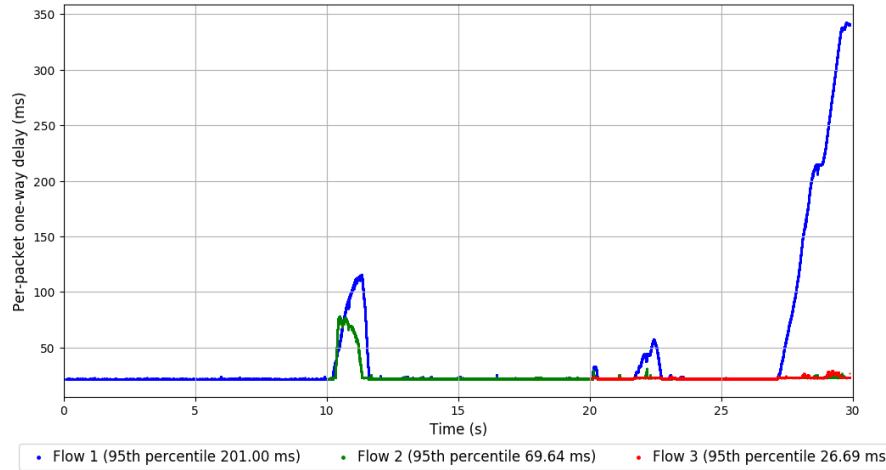
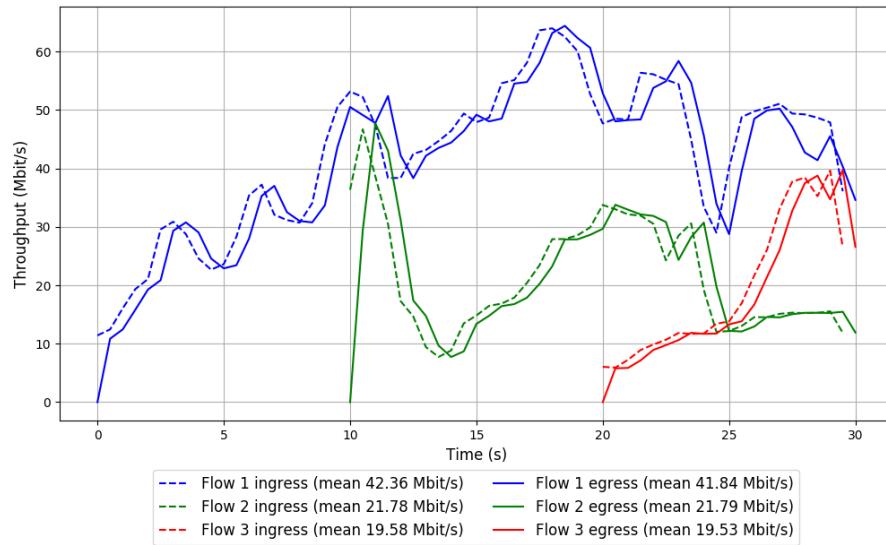


Run 5: Statistics of PCC-Expr

```
Start at: 2018-12-02 16:34:30
End at: 2018-12-02 16:35:00
Local clock offset: 3.37 ms
Remote clock offset: -3.529 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 111.872 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 201.005 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 69.636 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 26.691 ms
Loss rate: 0.47%
```

Run 5: Report of PCC-Expr — Data Link

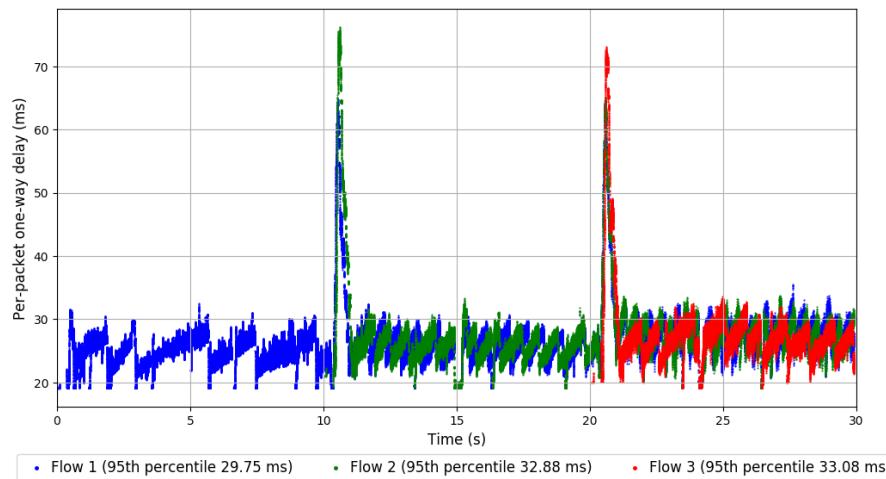
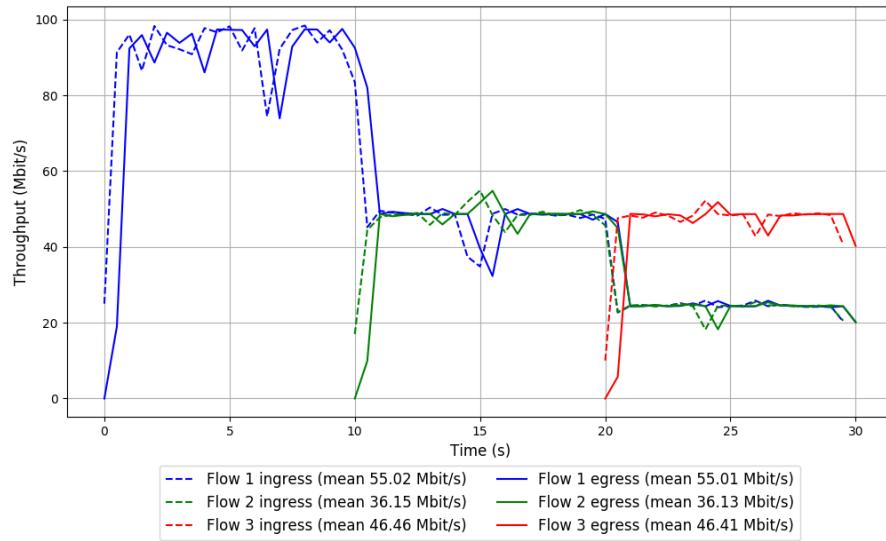


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-12-02 15:00:05
End at: 2018-12-02 15:00:35
Local clock offset: 1.378 ms
Remote clock offset: -4.176 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 30.802 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 29.752 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 32.885 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 33.084 ms
Loss rate: 0.36%
```

Run 1: Report of QUIC Cubic — Data Link

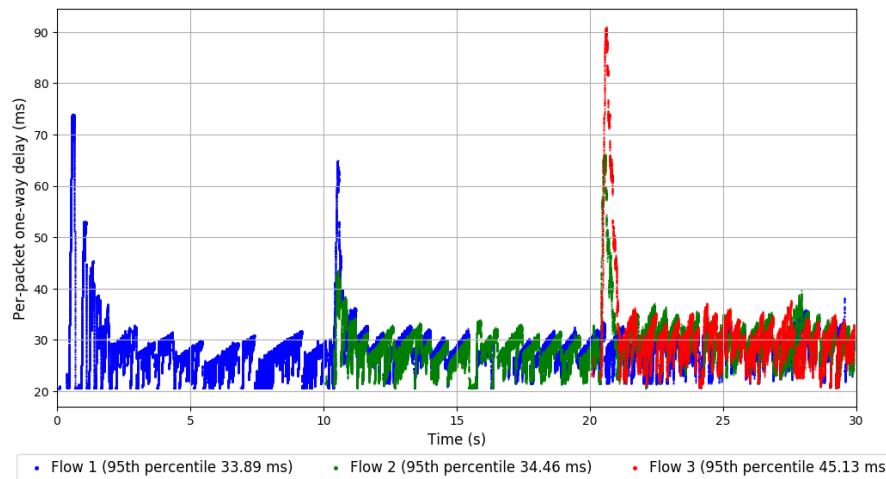
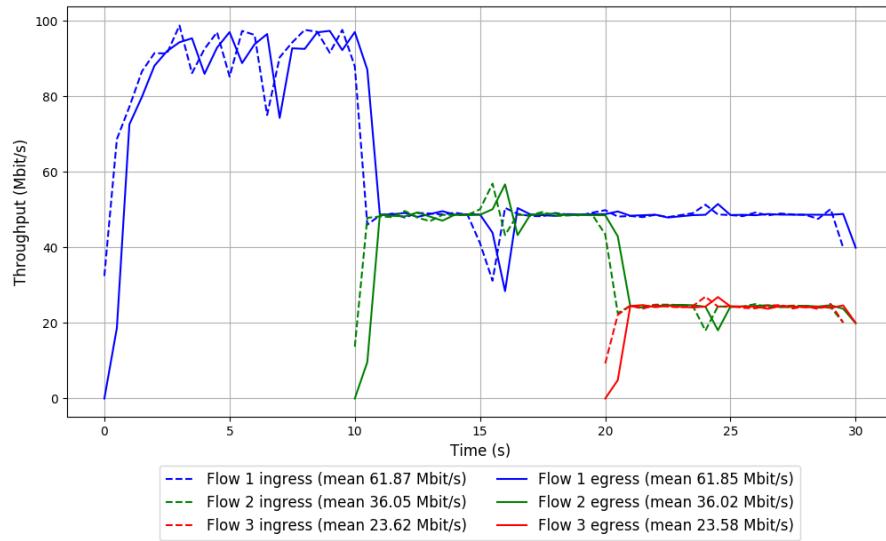


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-12-02 15:23:53
End at: 2018-12-02 15:24:23
Local clock offset: 2.268 ms
Remote clock offset: -3.833 ms

# Below is generated by plot.py at 2018-12-02 16:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 34.546 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 33.888 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 34.462 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 45.129 ms
Loss rate: 0.53%
```

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

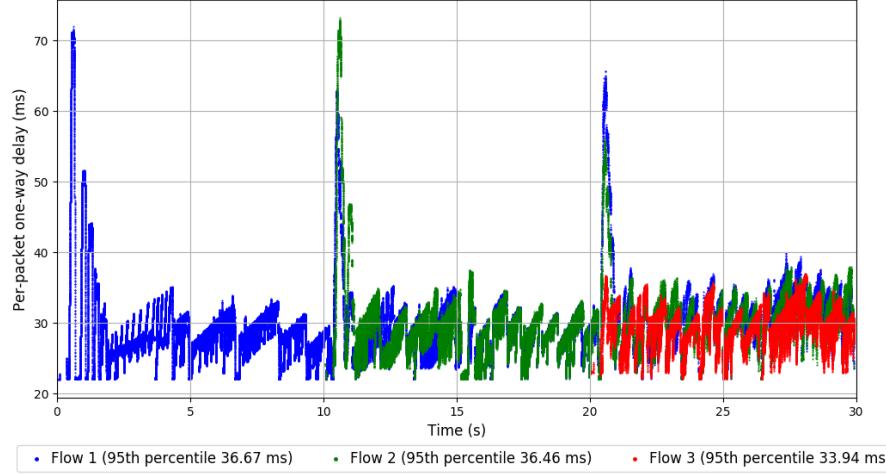
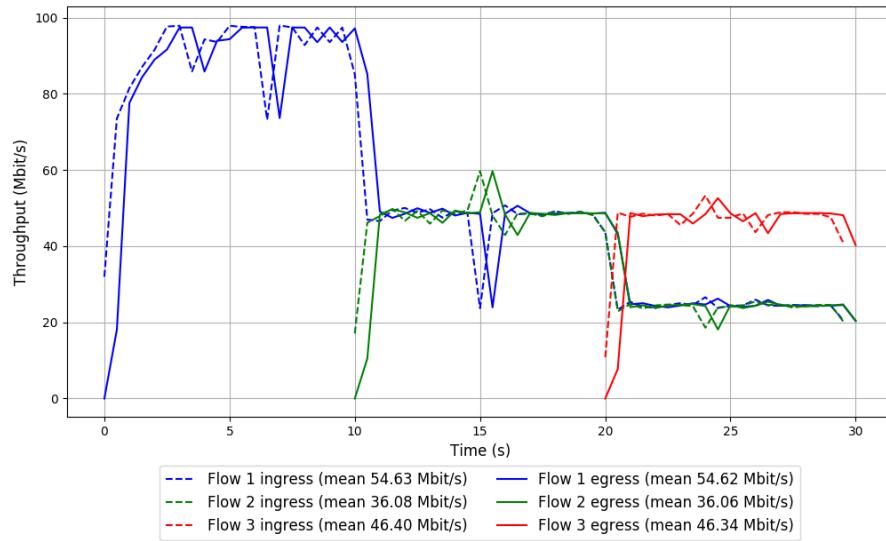


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-12-02 15:47:22
End at: 2018-12-02 15:47:52
Local clock offset: 2.614 ms
Remote clock offset: -3.744 ms

# Below is generated by plot.py at 2018-12-02 16:46:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 35.534 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 36.668 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 36.456 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 46.34 Mbit/s
95th percentile per-packet one-way delay: 33.940 ms
Loss rate: 0.37%
```

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

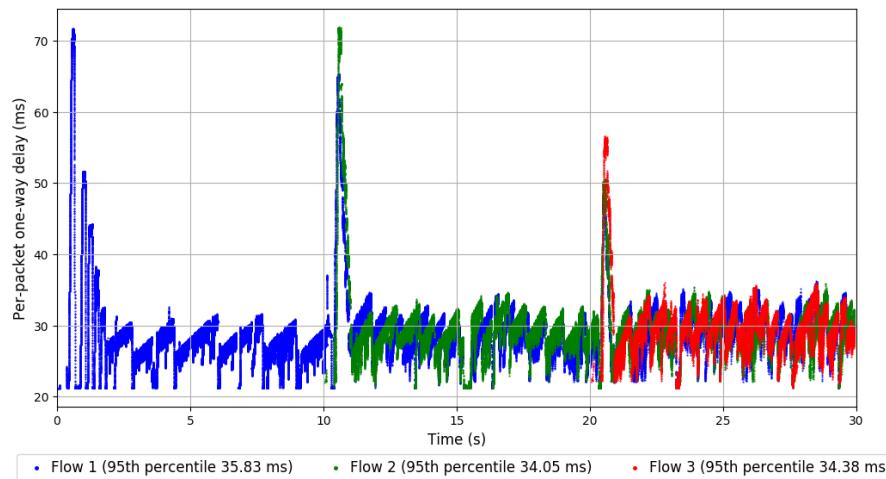
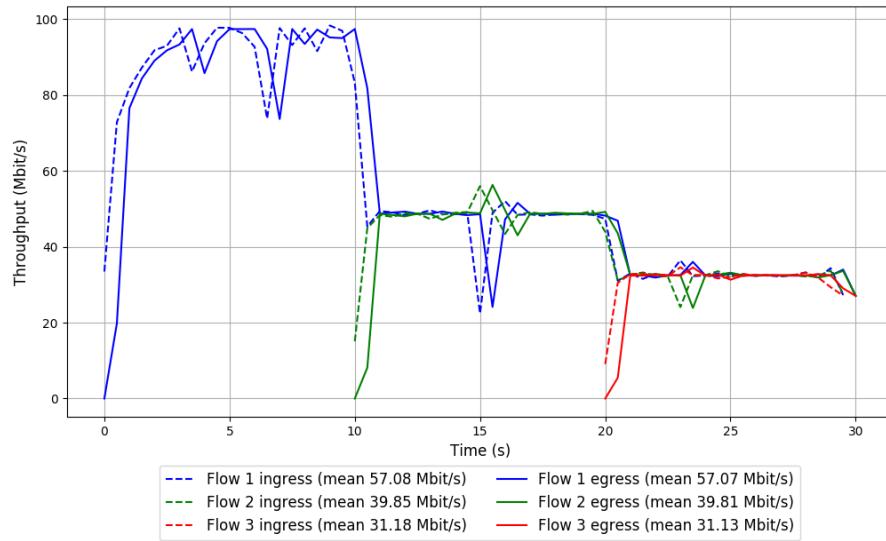


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-12-02 16:10:21
End at: 2018-12-02 16:10:51
Local clock offset: 2.816 ms
Remote clock offset: -2.946 ms

# Below is generated by plot.py at 2018-12-02 16:46:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 34.632 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 35.834 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 34.049 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 34.375 ms
Loss rate: 0.41%
```

Run 4: Report of QUIC Cubic — Data Link

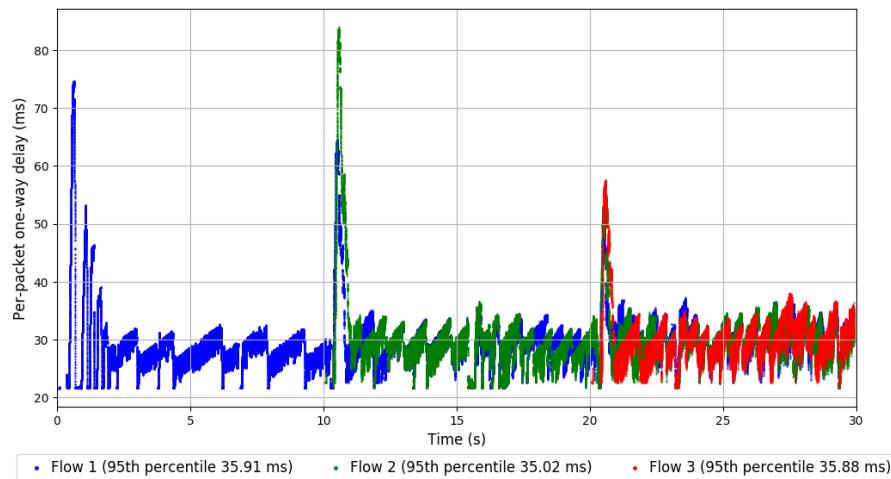
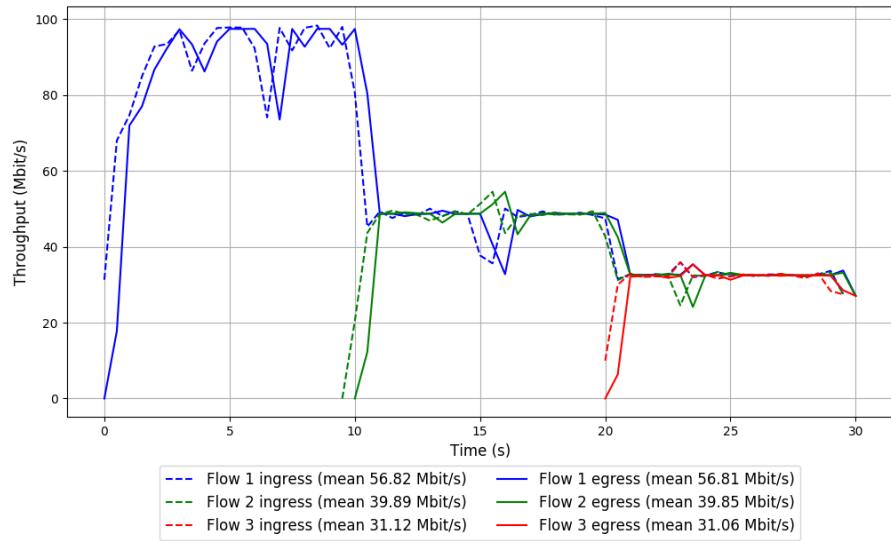


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-12-02 16:33:18
End at: 2018-12-02 16:33:48
Local clock offset: 4.104 ms
Remote clock offset: -2.543 ms

# Below is generated by plot.py at 2018-12-02 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 35.605 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 35.912 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 35.016 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 35.877 ms
Loss rate: 0.47%
```

Run 5: Report of QUIC Cubic — Data Link

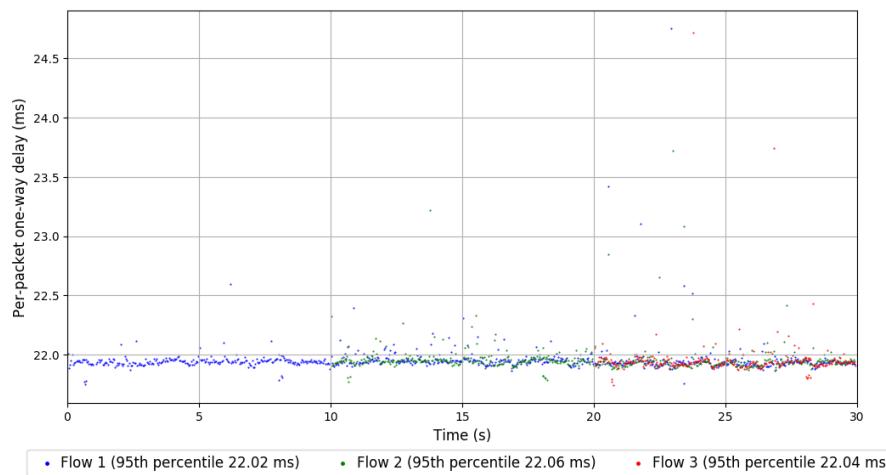
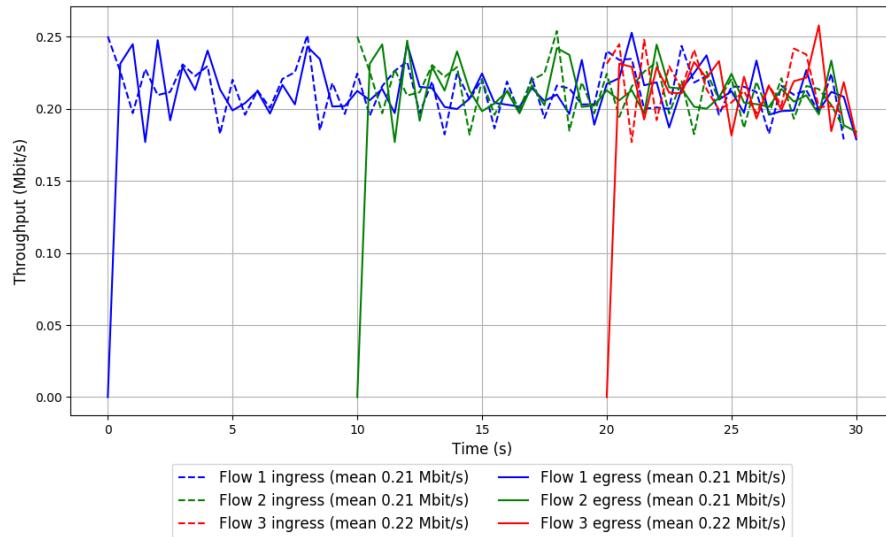


```
Run 1: Statistics of SCReAM
```

```
Start at: 2018-12-02 14:43:44
End at: 2018-12-02 14:44:14
Local clock offset: 4.397 ms
Remote clock offset: -4.26 ms

# Below is generated by plot.py at 2018-12-02 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.039 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.024 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.062 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.038 ms
Loss rate: 0.35%
```

## Run 1: Report of SCReAM — Data Link

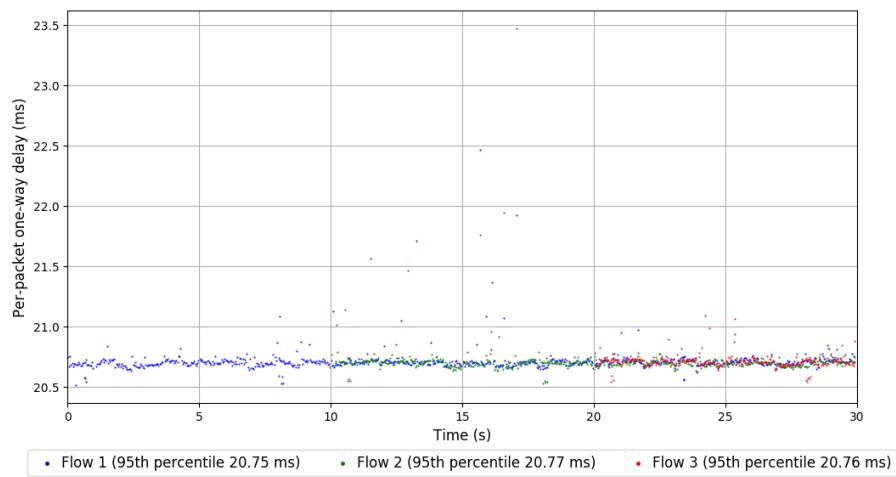
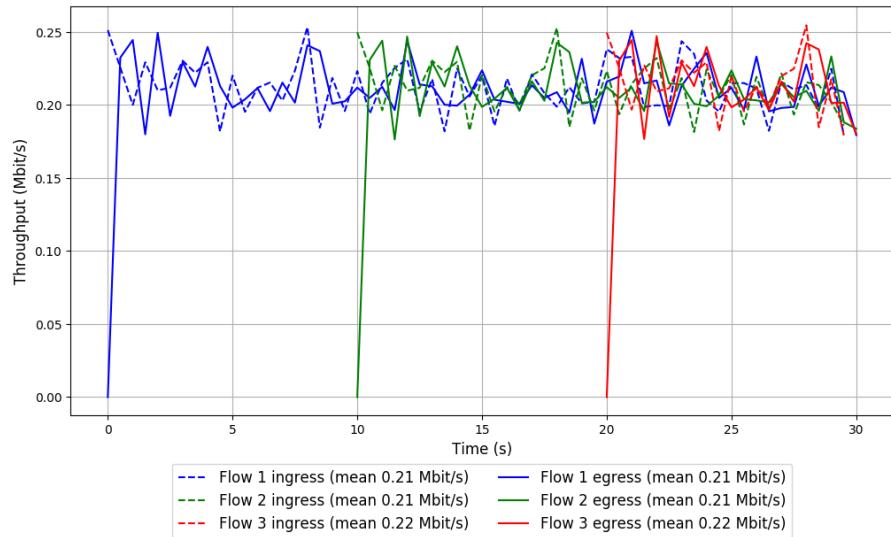


Run 2: Statistics of SCReAM

```
Start at: 2018-12-02 15:07:42
End at: 2018-12-02 15:08:12
Local clock offset: 3.762 ms
Remote clock offset: -3.186 ms

# Below is generated by plot.py at 2018-12-02 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.760 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.755 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.767 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.756 ms
Loss rate: 0.35%
```

## Run 2: Report of SCReAM — Data Link

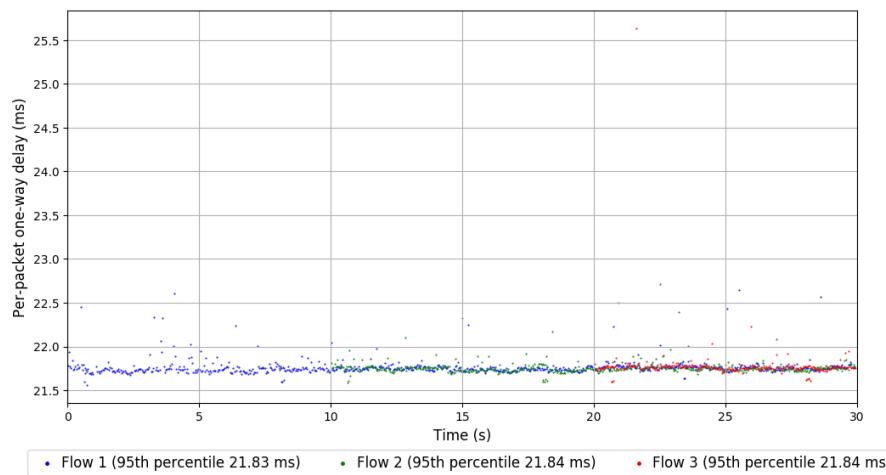
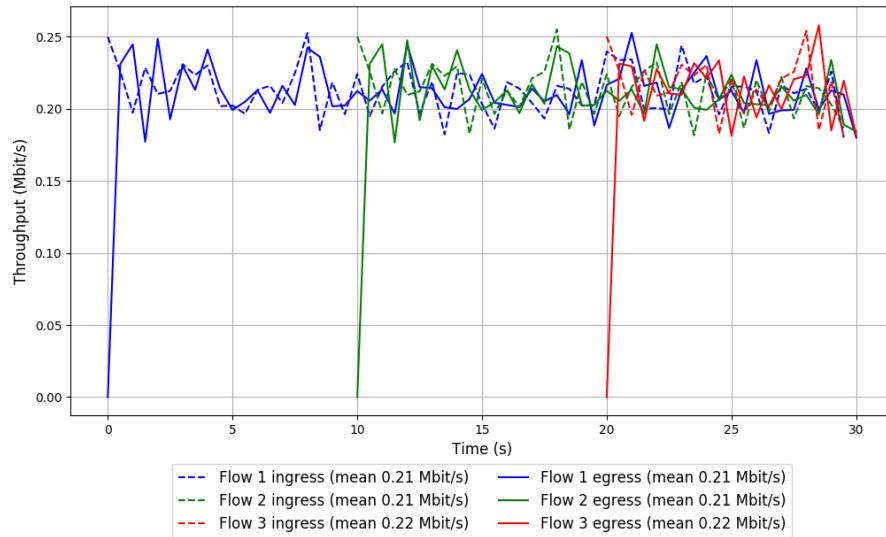


Run 3: Statistics of SCReAM

```
Start at: 2018-12-02 15:31:30
End at: 2018-12-02 15:32:00
Local clock offset: 2.687 ms
Remote clock offset: -3.998 ms

# Below is generated by plot.py at 2018-12-02 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.830 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.827 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.845 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.835 ms
Loss rate: 0.35%
```

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

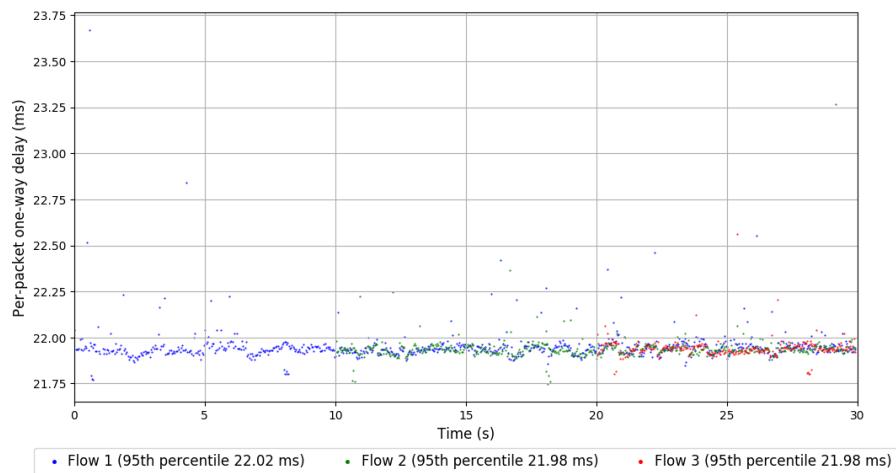
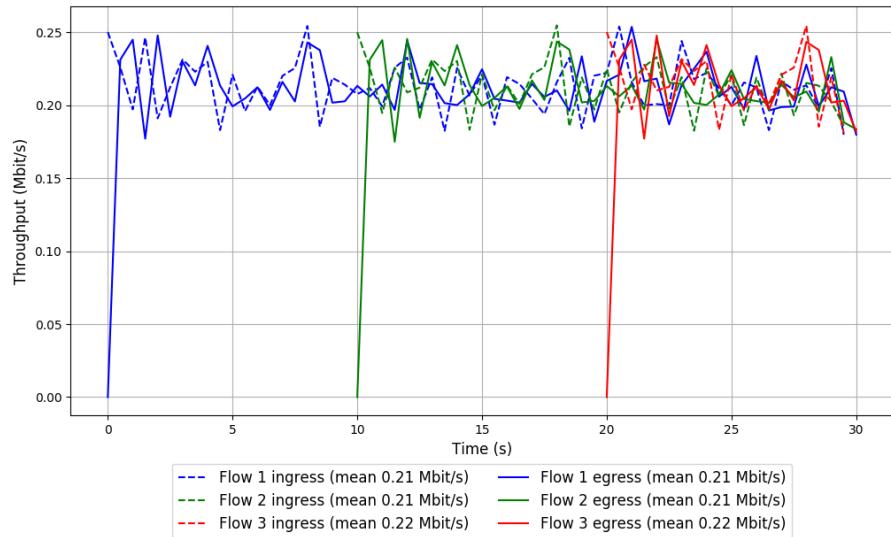


Run 4: Statistics of SCReAM

```
Start at: 2018-12-02 15:54:38
End at: 2018-12-02 15:55:08
Local clock offset: 2.748 ms
Remote clock offset: -3.729 ms

# Below is generated by plot.py at 2018-12-02 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.001 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.020 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.980 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.981 ms
Loss rate: 0.36%
```

## Run 4: Report of SCReAM — Data Link

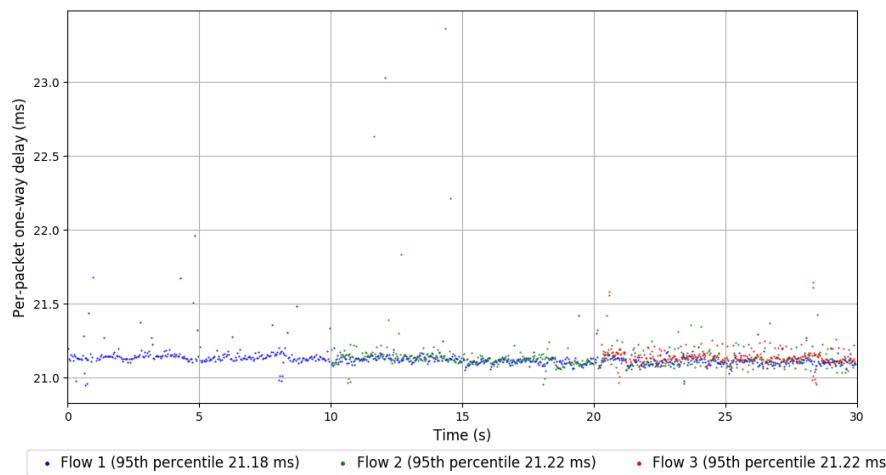
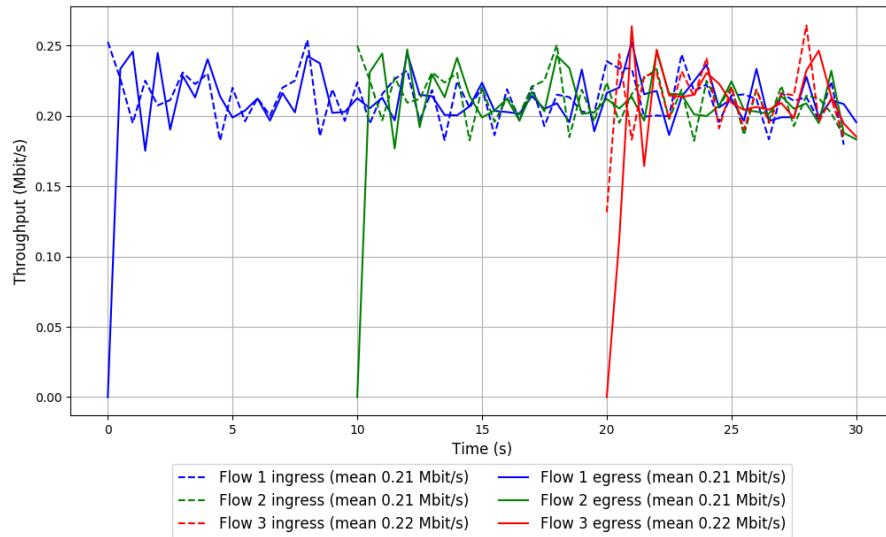


Run 5: Statistics of SCReAM

```
Start at: 2018-12-02 16:17:33
End at: 2018-12-02 16:18:03
Local clock offset: 2.331 ms
Remote clock offset: -3.171 ms

# Below is generated by plot.py at 2018-12-02 16:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 21.210 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.218 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.223 ms
Loss rate: 0.40%
```

## Run 5: Report of SCReAM — Data Link

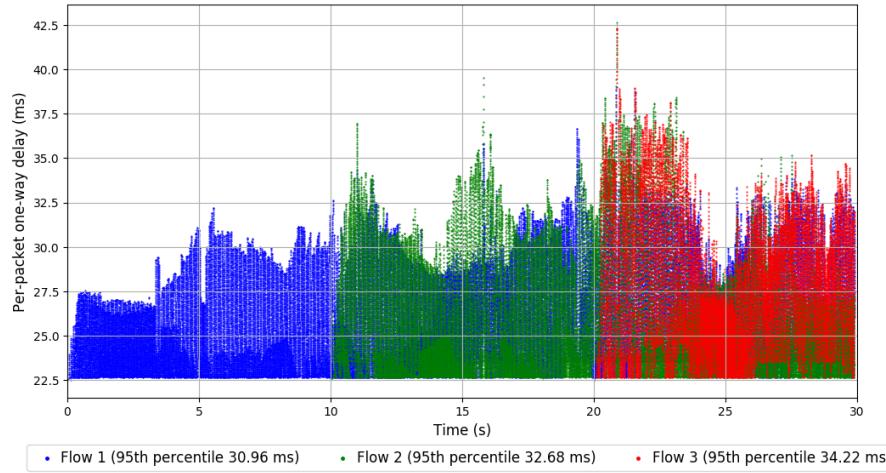
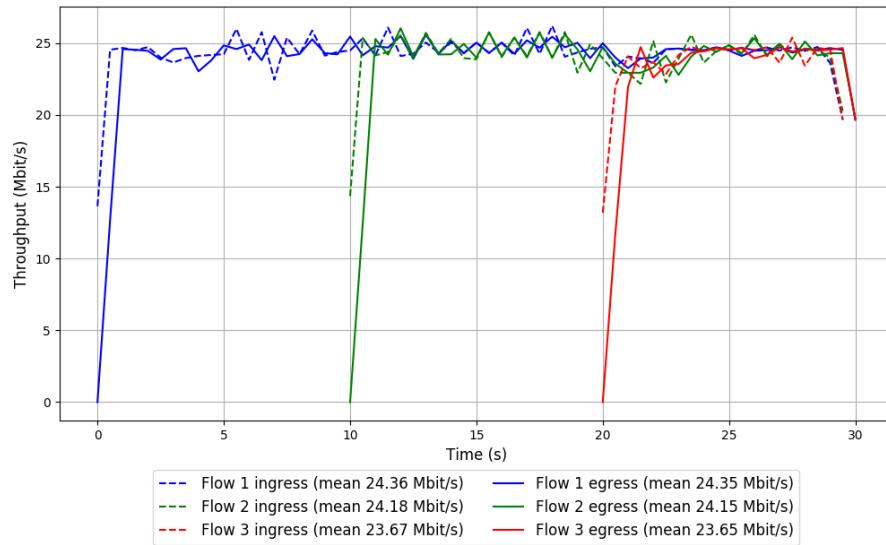


Run 1: Statistics of Sprout

```
Start at: 2018-12-02 14:40:03
End at: 2018-12-02 14:40:33
Local clock offset: 4.293 ms
Remote clock offset: -5.062 ms

# Below is generated by plot.py at 2018-12-02 16:47:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 32.148 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 32.678 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 34.217 ms
Loss rate: 0.20%
```

Run 1: Report of Sprout — Data Link

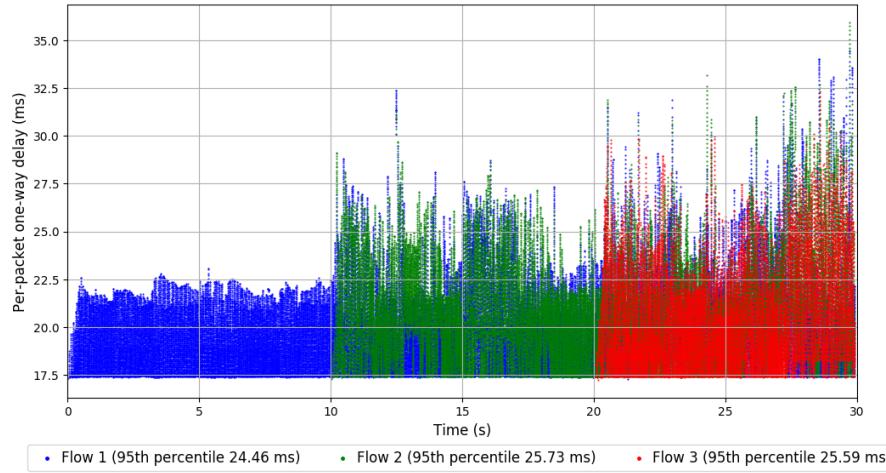
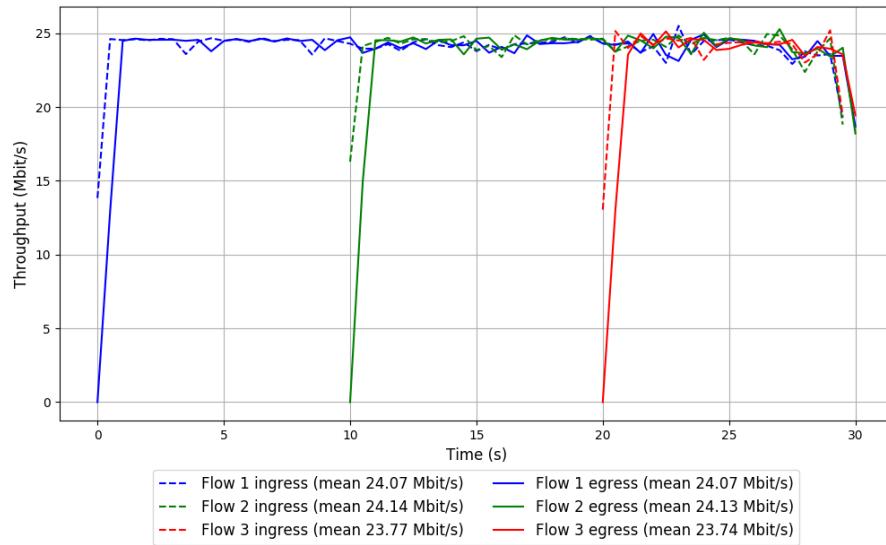


Run 2: Statistics of Sprout

```
Start at: 2018-12-02 15:03:59
End at: 2018-12-02 15:04:29
Local clock offset: -0.467 ms
Remote clock offset: -4.156 ms

# Below is generated by plot.py at 2018-12-02 16:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.93 Mbit/s
95th percentile per-packet one-way delay: 25.224 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 24.458 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 25.733 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 25.587 ms
Loss rate: 0.42%
```

## Run 2: Report of Sprout — Data Link

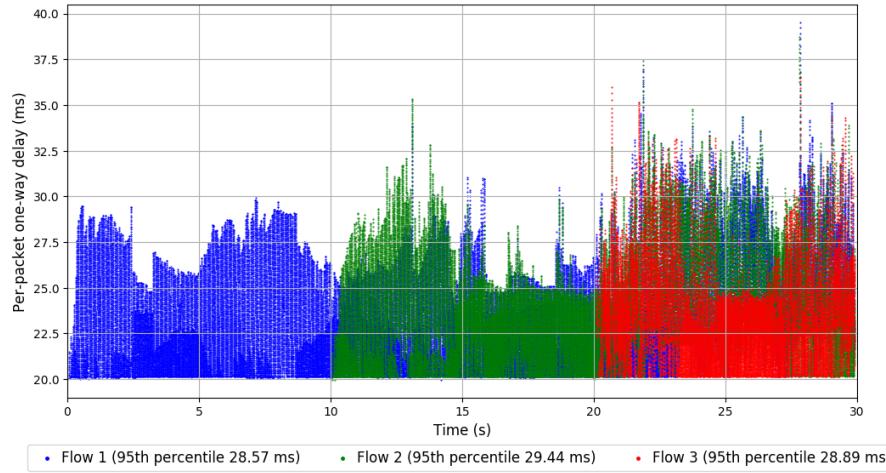
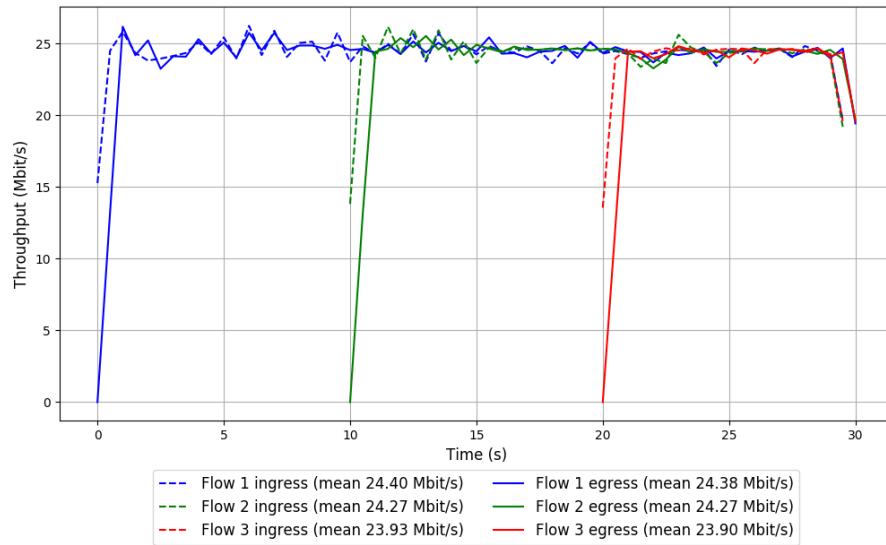


Run 3: Statistics of Sprout

```
Start at: 2018-12-02 15:27:56
End at: 2018-12-02 15:28:26
Local clock offset: 1.662 ms
Remote clock offset: -3.599 ms

# Below is generated by plot.py at 2018-12-02 16:47:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 28.955 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 28.566 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 29.436 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 28.893 ms
Loss rate: 0.26%
```

Run 3: Report of Sprout — Data Link

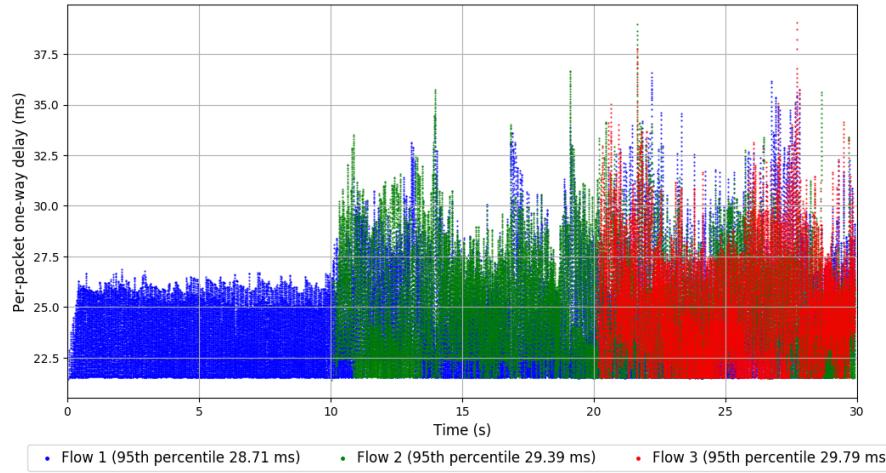
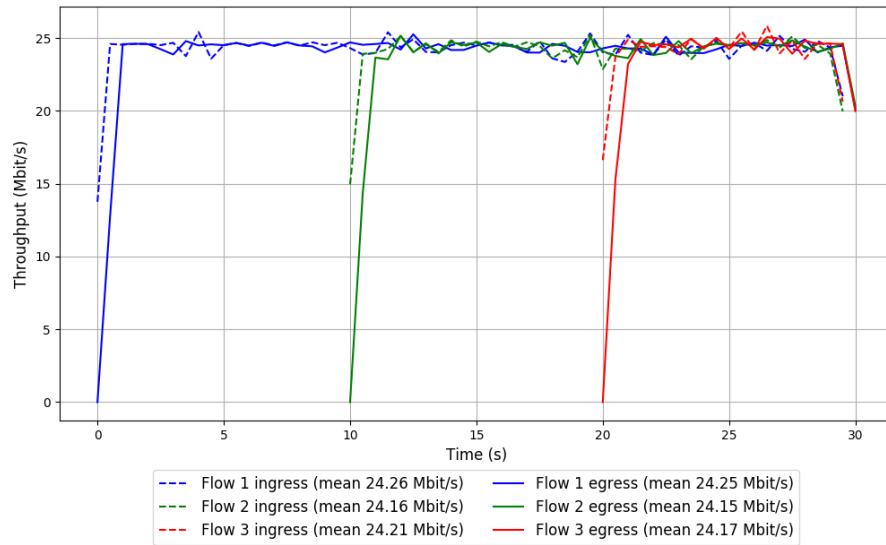


Run 4: Statistics of Sprout

```
Start at: 2018-12-02 15:51:03
End at: 2018-12-02 15:51:33
Local clock offset: 2.21 ms
Remote clock offset: -3.753 ms

# Below is generated by plot.py at 2018-12-02 16:47:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 29.209 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 28.707 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 29.391 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 29.790 ms
Loss rate: 0.35%
```

## Run 4: Report of Sprout — Data Link

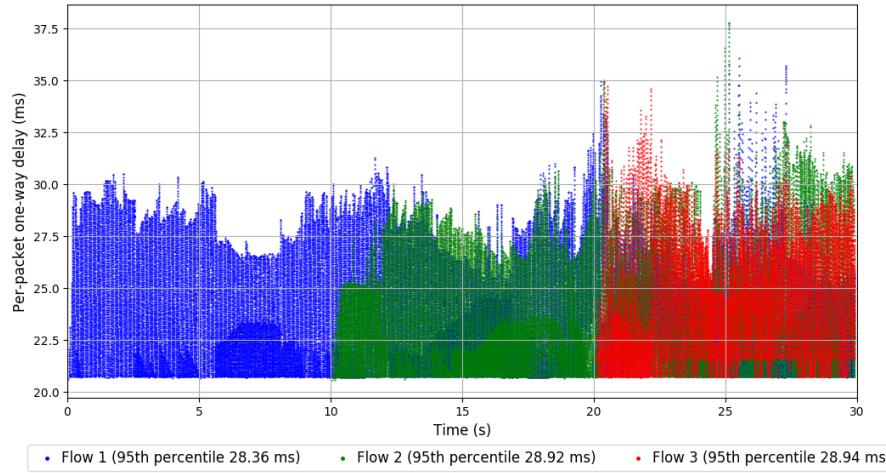
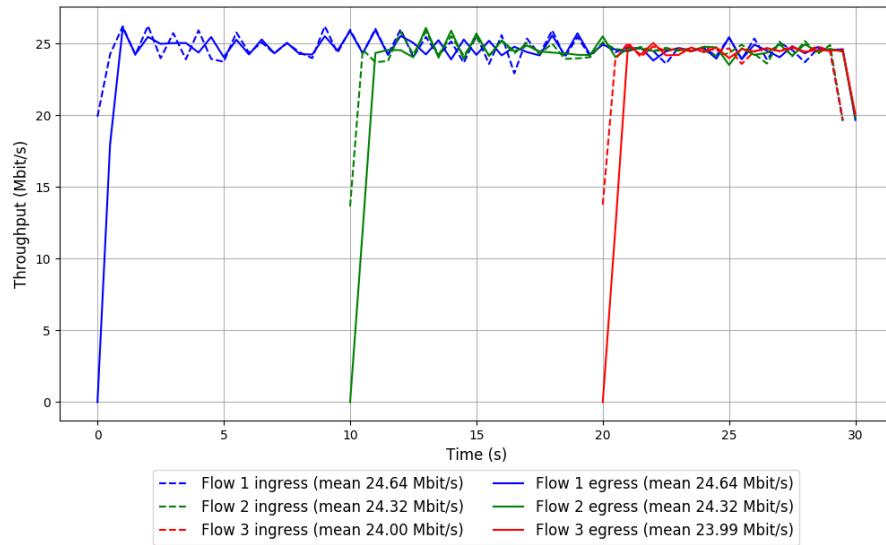


Run 5: Statistics of Sprout

```
Start at: 2018-12-02 16:13:55
End at: 2018-12-02 16:14:25
Local clock offset: 1.261 ms
Remote clock offset: -3.857 ms

# Below is generated by plot.py at 2018-12-02 16:47:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 28.653 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 28.363 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 28.916 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 28.943 ms
Loss rate: 0.19%
```

Run 5: Report of Sprout — Data Link

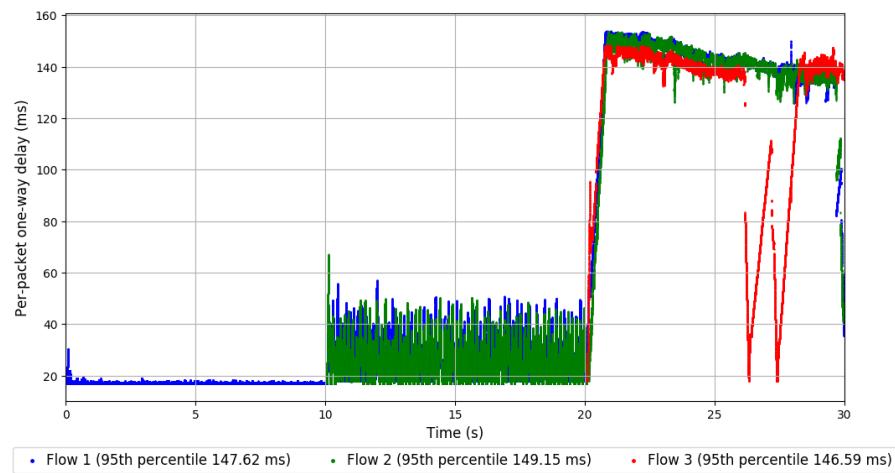
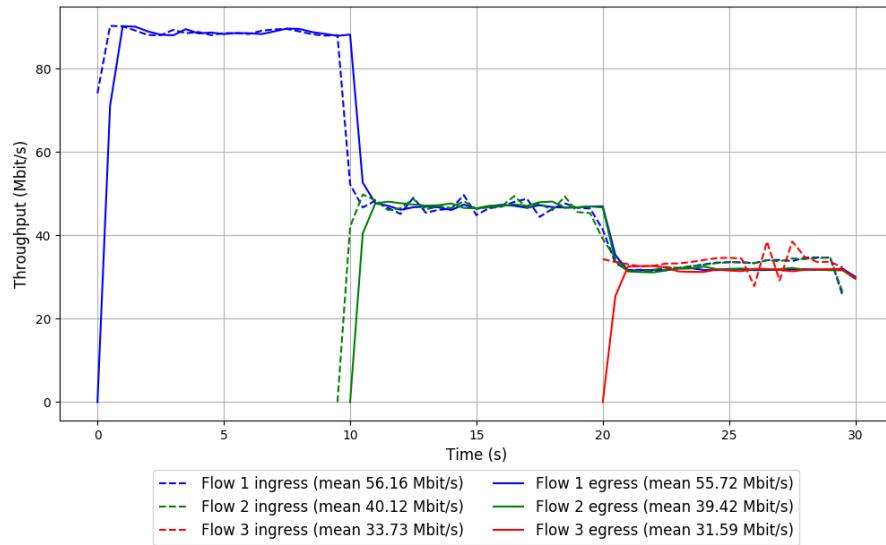


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-12-02 14:46:10
End at: 2018-12-02 14:46:40
Local clock offset: -0.379 ms
Remote clock offset: -4.206 ms

# Below is generated by plot.py at 2018-12-02 16:48:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 147.874 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 147.623 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 149.154 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 146.591 ms
Loss rate: 6.59%
```

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

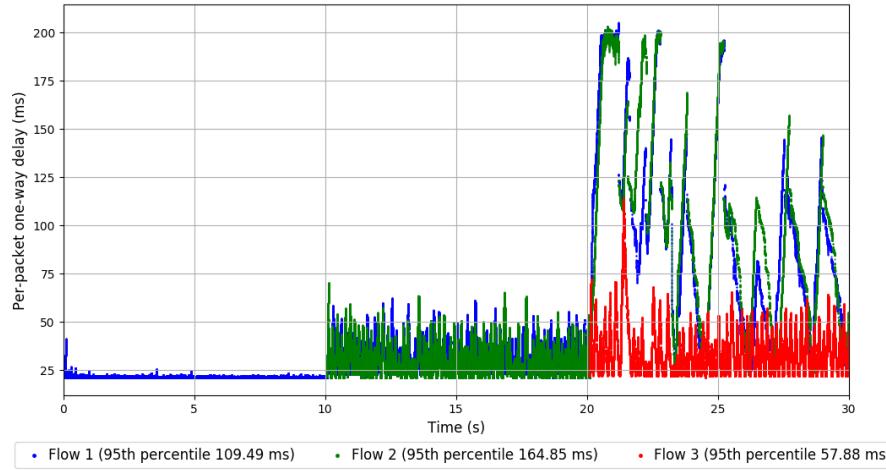
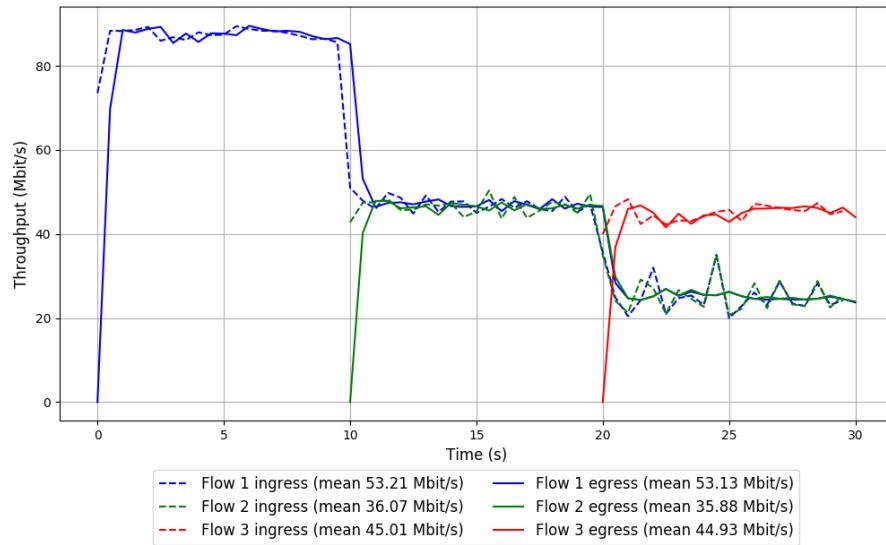


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-12-02 15:10:01
End at: 2018-12-02 15:10:31
Local clock offset: -3.327 ms
Remote clock offset: -10.995 ms

# Below is generated by plot.py at 2018-12-02 16:48:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 117.434 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 109.489 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 164.848 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 57.875 ms
Loss rate: 0.48%
```

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

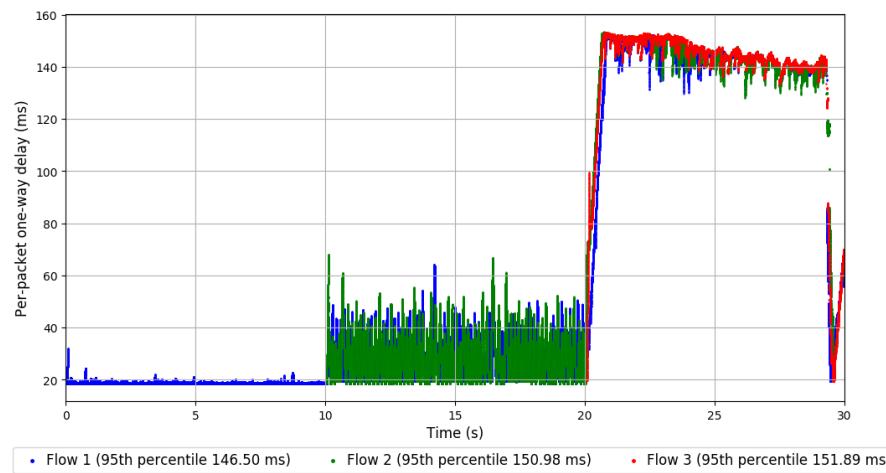
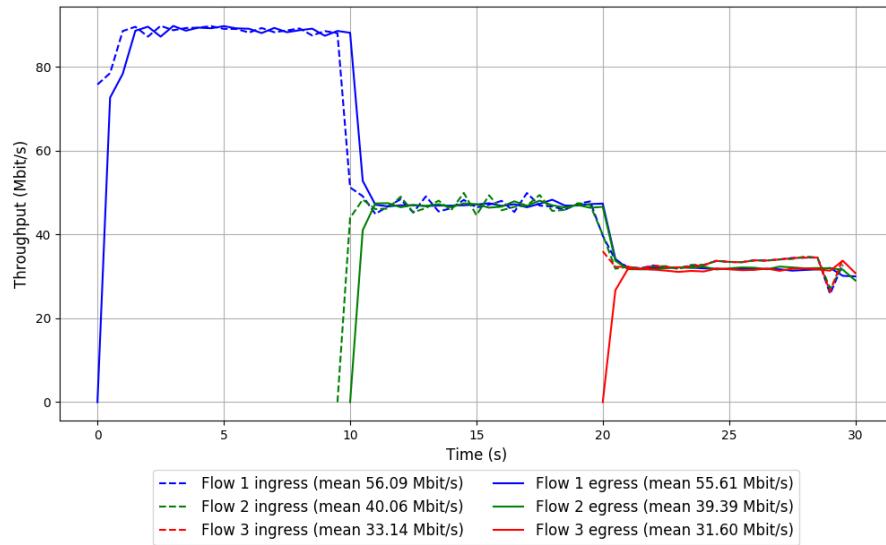


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-12-02 15:33:50
End at: 2018-12-02 15:34:20
Local clock offset: -0.837 ms
Remote clock offset: -4.198 ms

# Below is generated by plot.py at 2018-12-02 16:49:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 150.569 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 146.496 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 150.980 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 151.894 ms
Loss rate: 4.91%
```

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

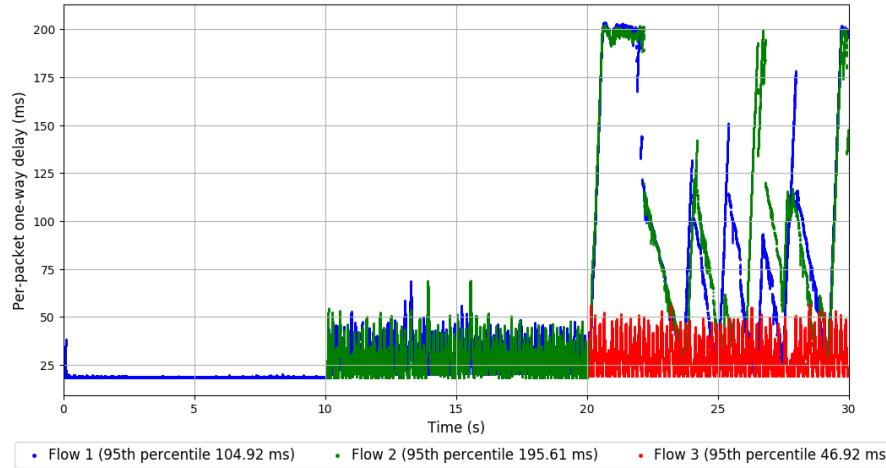
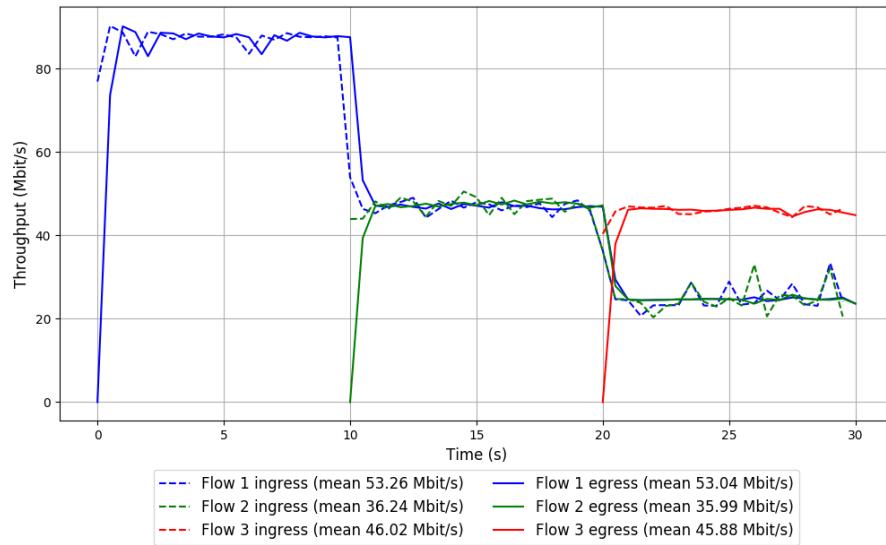


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-12-02 15:56:57
End at: 2018-12-02 15:57:27
Local clock offset: -0.482 ms
Remote clock offset: -3.586 ms

# Below is generated by plot.py at 2018-12-02 16:49:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 116.678 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 104.919 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 195.613 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 46.917 ms
Loss rate: 0.56%
```

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

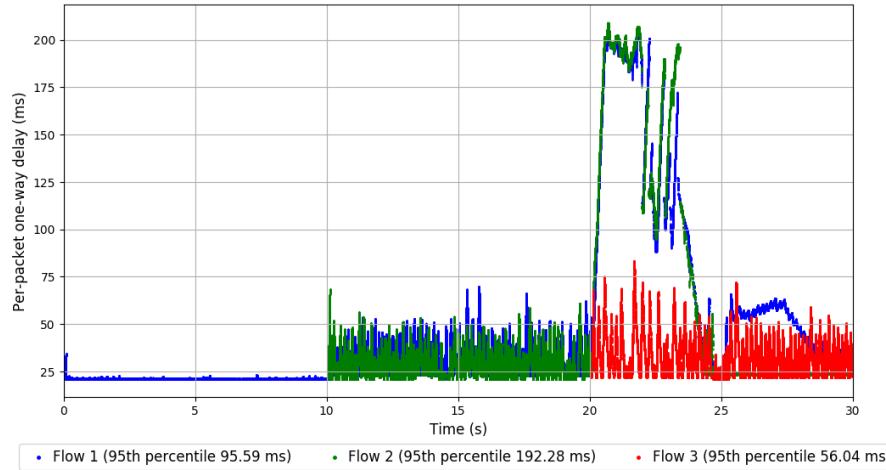
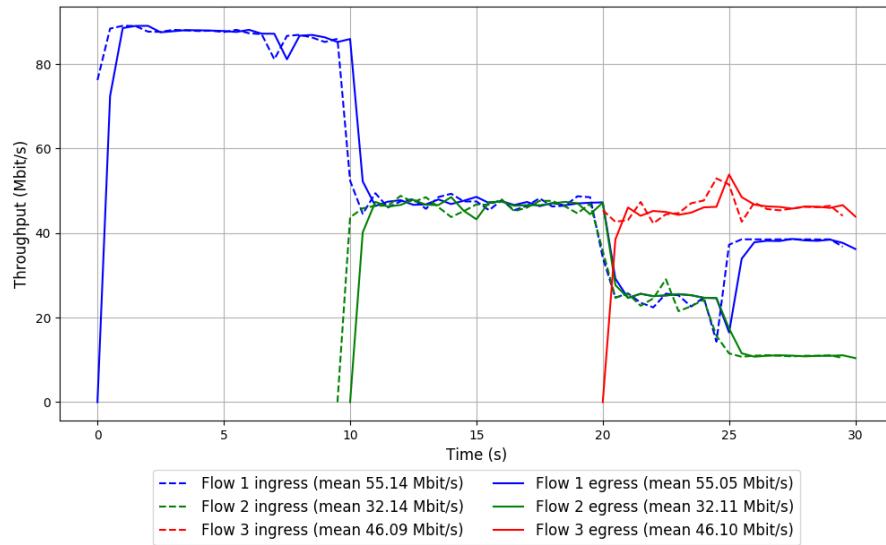


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-12-02 16:19:52
End at: 2018-12-02 16:20:22
Local clock offset: 2.464 ms
Remote clock offset: -3.15 ms

# Below is generated by plot.py at 2018-12-02 16:49:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 113.588 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 95.595 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 192.276 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 56.042 ms
Loss rate: 0.23%
```

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

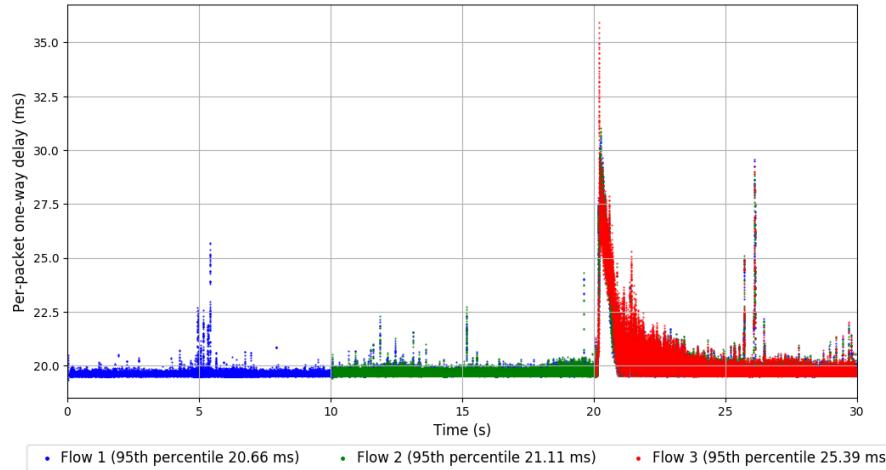
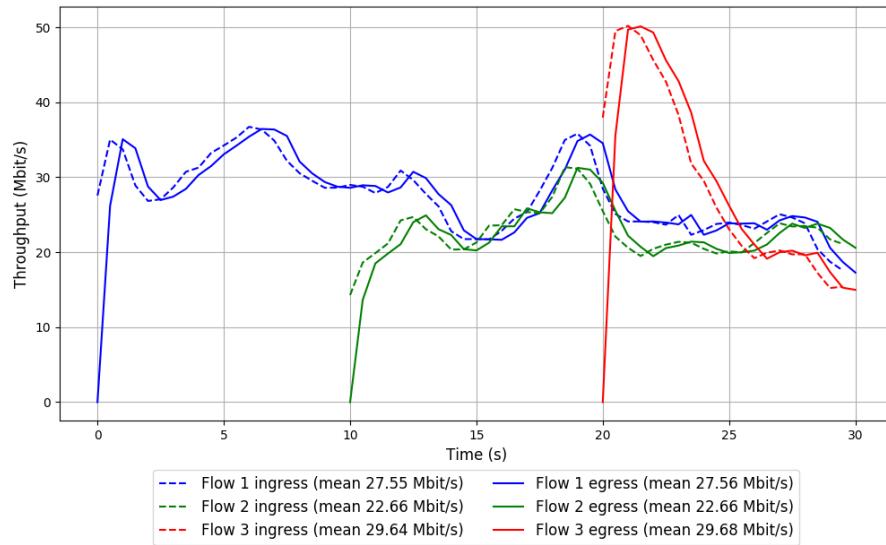


Run 1: Statistics of TCP Vegas

```
Start at: 2018-12-02 15:02:49
End at: 2018-12-02 15:03:19
Local clock offset: 1.572 ms
Remote clock offset: -4.276 ms

# Below is generated by plot.py at 2018-12-02 16:49:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 21.676 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 20.663 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 21.106 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 25.394 ms
Loss rate: 0.16%
```

Run 1: Report of TCP Vegas — Data Link

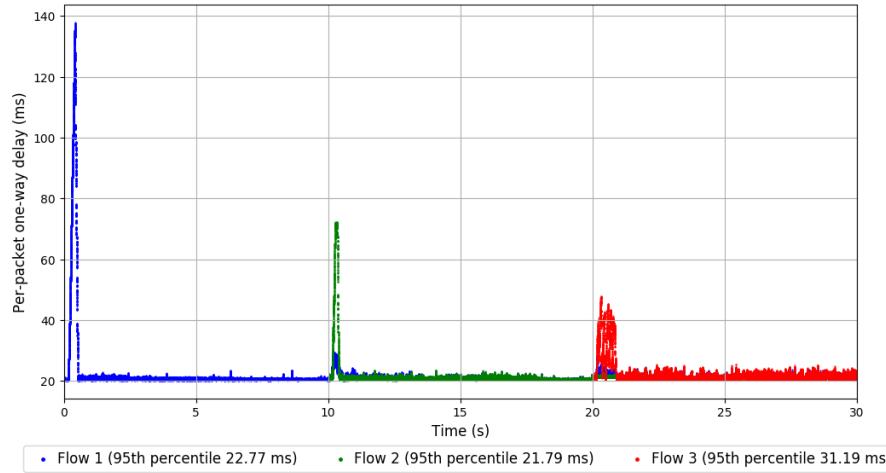
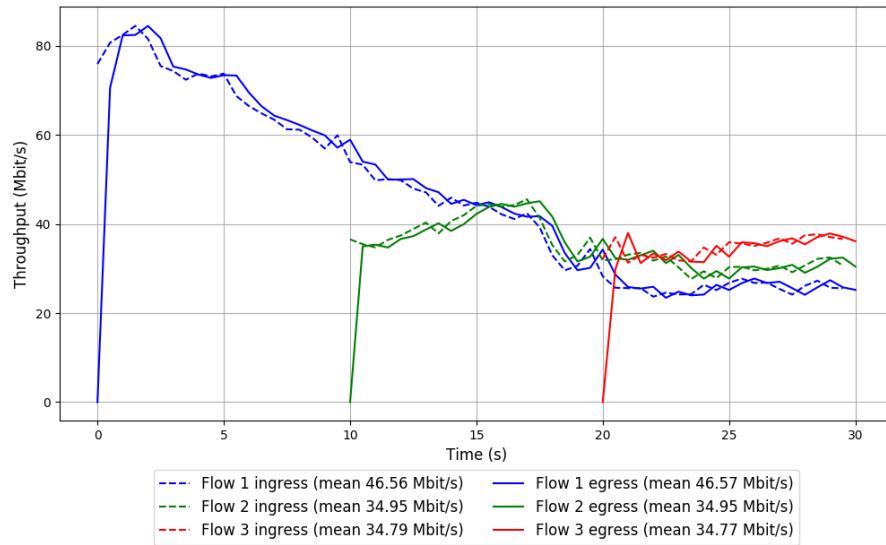


Run 2: Statistics of TCP Vegas

```
Start at: 2018-12-02 15:26:41
End at: 2018-12-02 15:27:11
Local clock offset: 0.634 ms
Remote clock offset: -4.87 ms

# Below is generated by plot.py at 2018-12-02 16:49:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 22.961 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 22.774 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 21.788 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.29%
```

Run 2: Report of TCP Vegas — Data Link

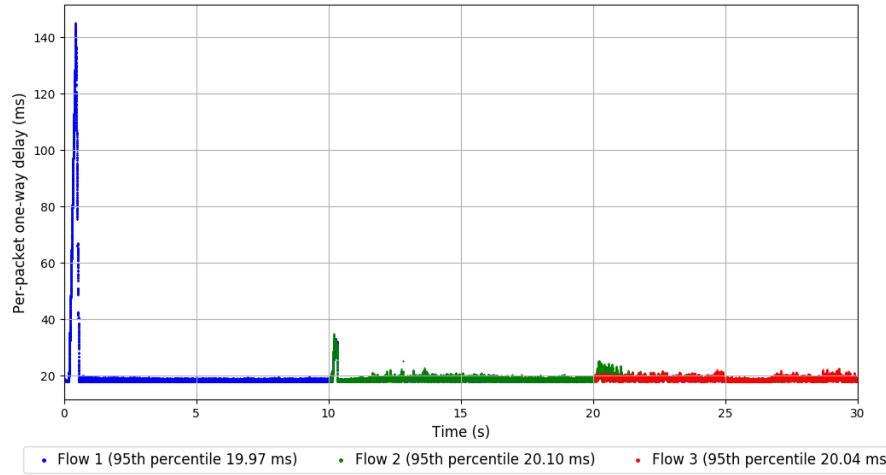
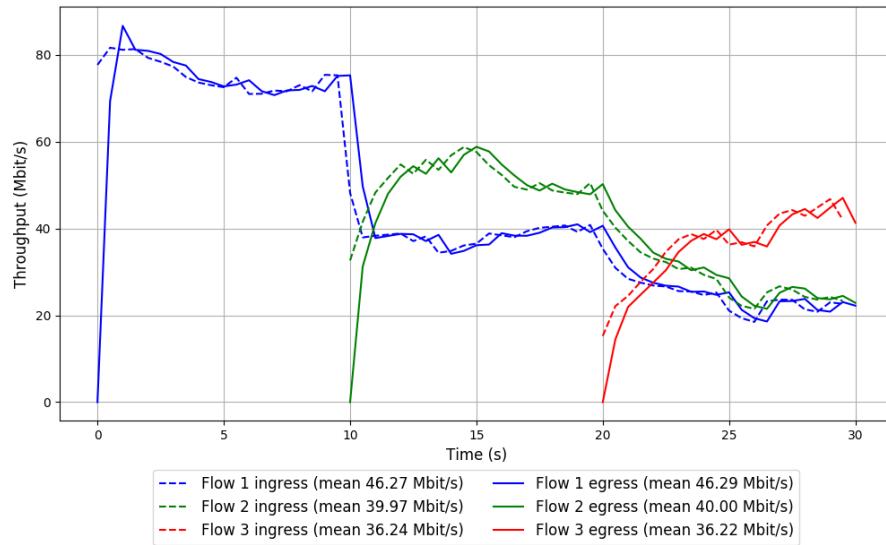


Run 3: Statistics of TCP Vegas

```
Start at: 2018-12-02 15:49:48
End at: 2018-12-02 15:50:18
Local clock offset: -0.471 ms
Remote clock offset: -2.769 ms

# Below is generated by plot.py at 2018-12-02 16:49:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 19.967 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 20.103 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 20.035 ms
Loss rate: 0.33%
```

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

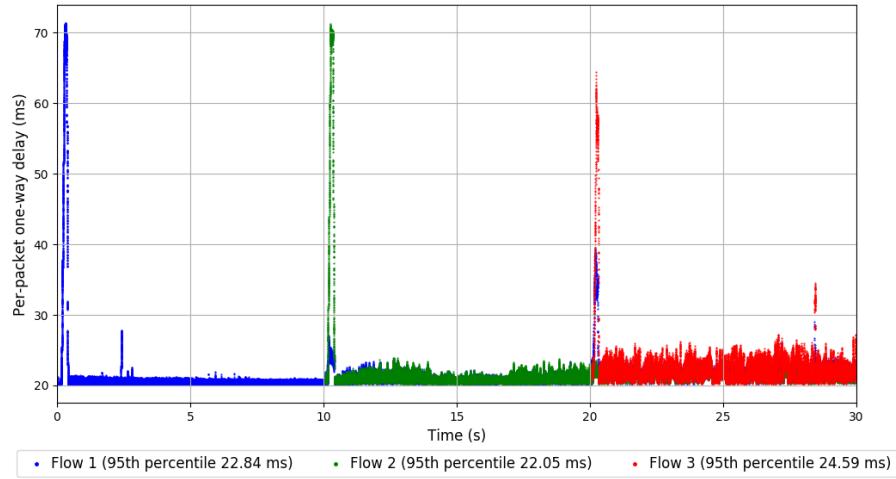
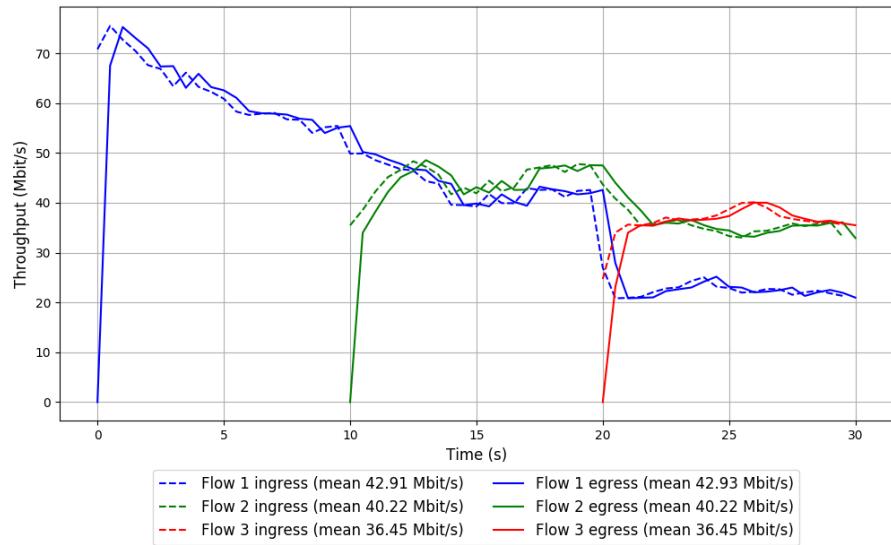


Run 4: Statistics of TCP Vegas

```
Start at: 2018-12-02 16:12:43
End at: 2018-12-02 16:13:13
Local clock offset: 2.706 ms
Remote clock offset: -1.964 ms

# Below is generated by plot.py at 2018-12-02 16:49:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 23.323 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 22.839 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 24.592 ms
Loss rate: 0.25%
```

Run 4: Report of TCP Vegas — Data Link

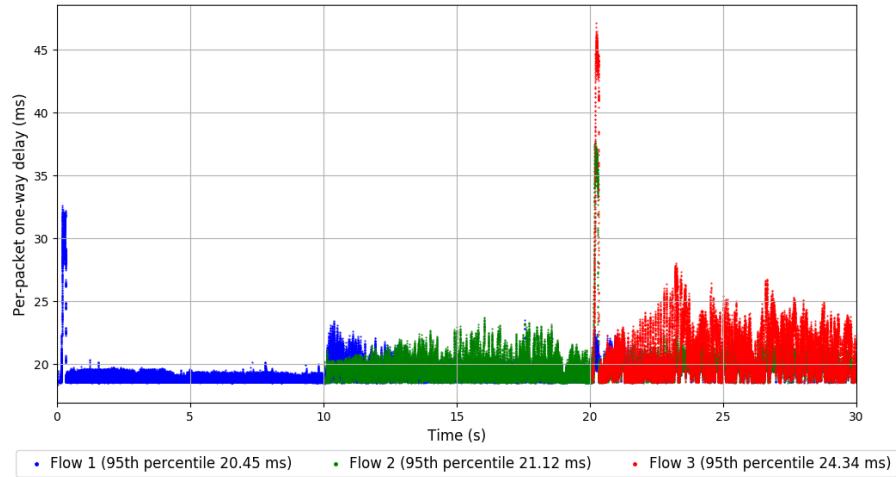
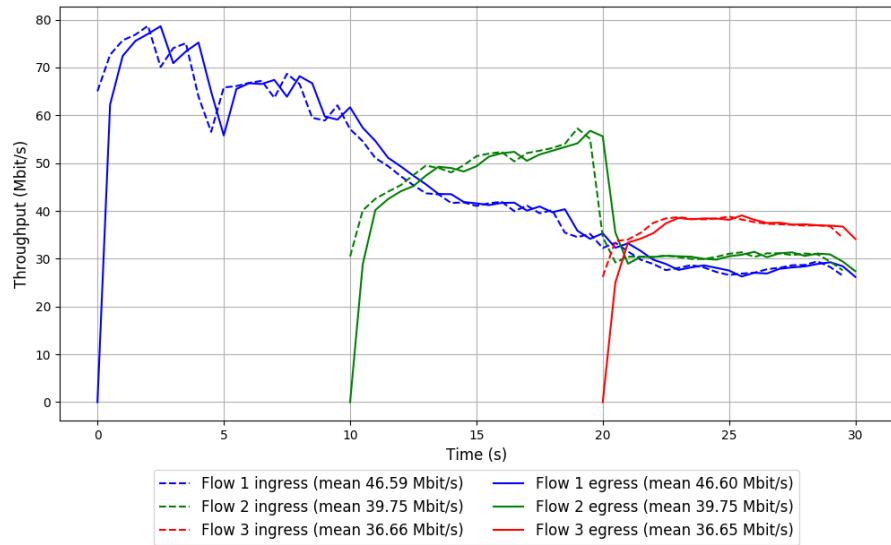


Run 5: Statistics of TCP Vegas

```
Start at: 2018-12-02 16:35:42
End at: 2018-12-02 16:36:12
Local clock offset: 1.242 ms
Remote clock offset: -2.329 ms

# Below is generated by plot.py at 2018-12-02 16:49:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 20.450 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 21.119 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 24.338 ms
Loss rate: 0.25%
```

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

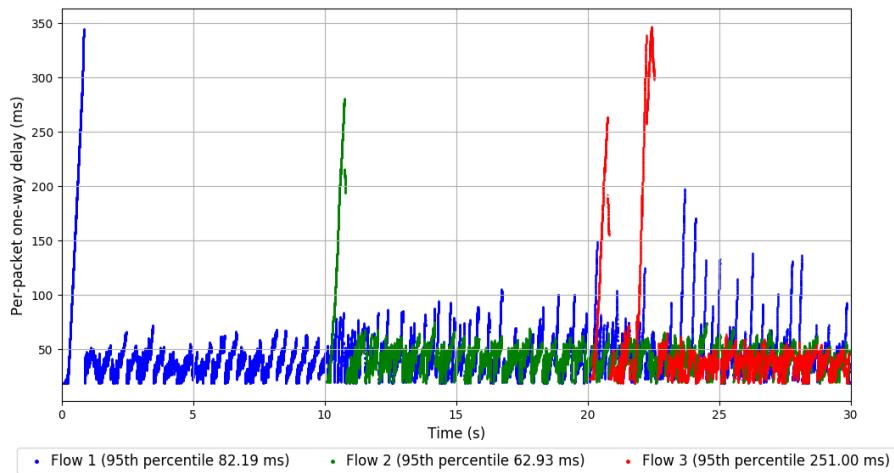
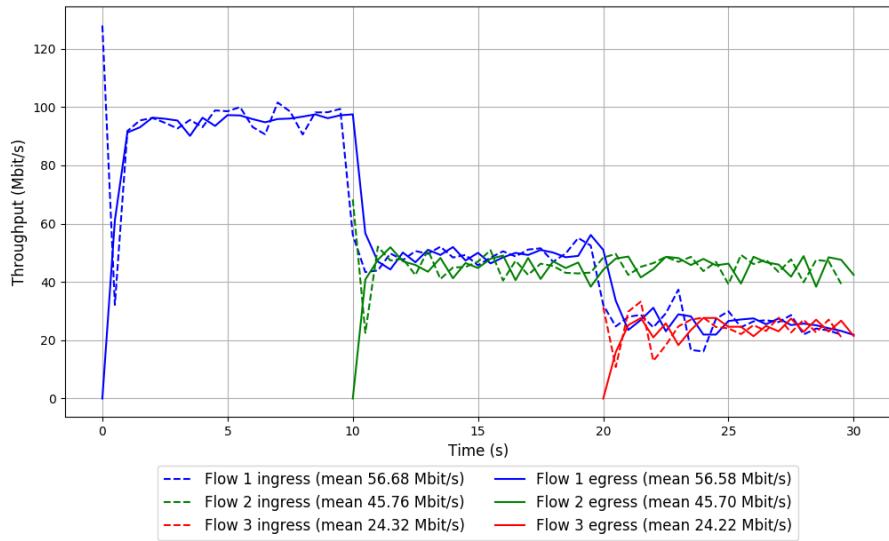


Run 1: Statistics of Verus

```
Start at: 2018-12-02 14:58:48
End at: 2018-12-02 14:59:18
Local clock offset: 1.309 ms
Remote clock offset: -4.3 ms

# Below is generated by plot.py at 2018-12-02 16:49:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 80.617 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 82.191 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 62.933 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 251.004 ms
Loss rate: 0.76%
```

Run 1: Report of Verus — Data Link

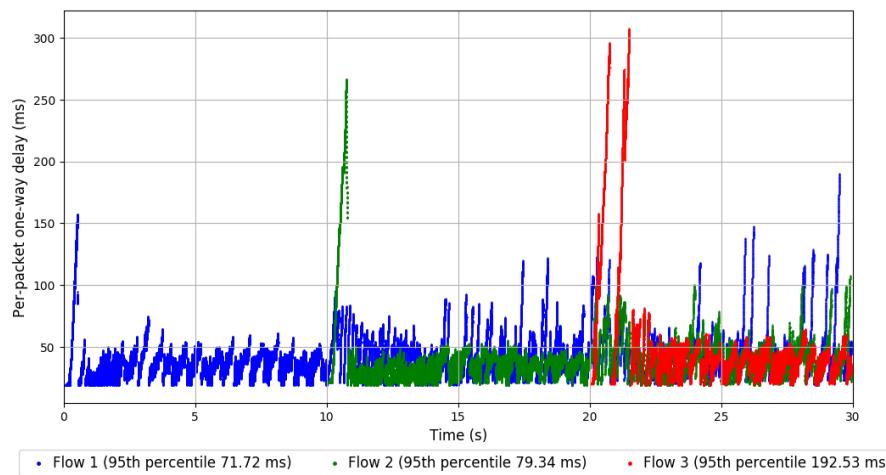
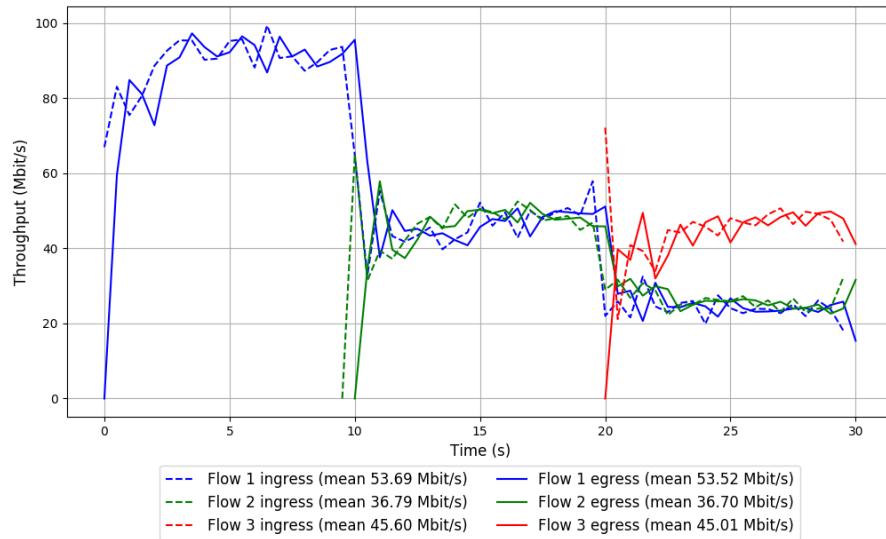


Run 2: Statistics of Verus

```
Start at: 2018-12-02 15:22:32
End at: 2018-12-02 15:23:02
Local clock offset: 1.521 ms
Remote clock offset: -3.321 ms

# Below is generated by plot.py at 2018-12-02 16:49:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 80.266 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: 71.723 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 79.342 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 45.01 Mbit/s
95th percentile per-packet one-way delay: 192.529 ms
Loss rate: 1.61%
```

## Run 2: Report of Verus — Data Link

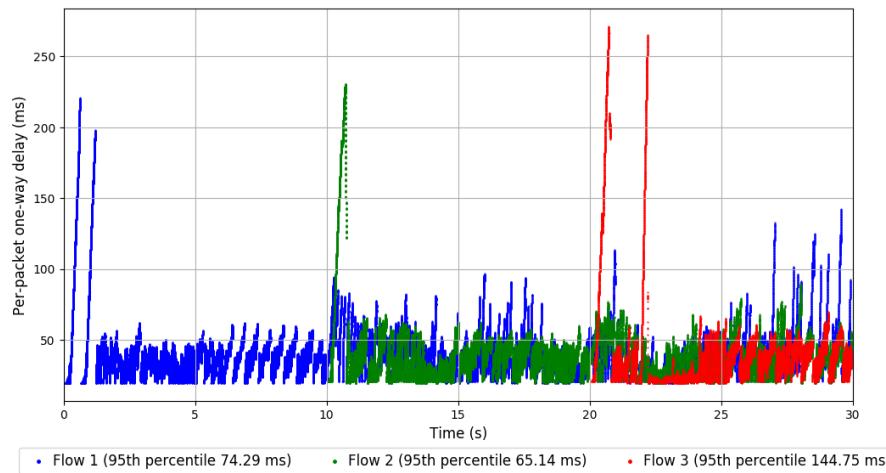
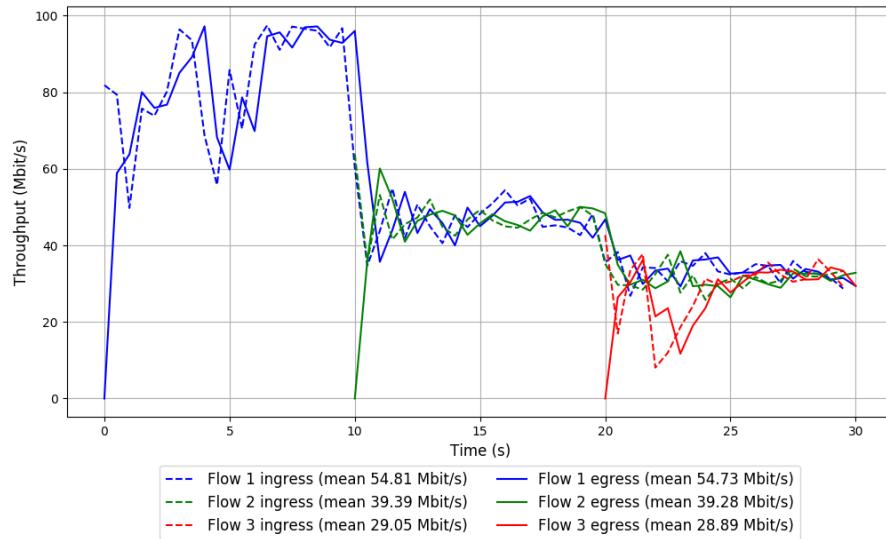


Run 3: Statistics of Verus

```
Start at: 2018-12-02 15:46:07
End at: 2018-12-02 15:46:37
Local clock offset: -0.194 ms
Remote clock offset: -4.155 ms

# Below is generated by plot.py at 2018-12-02 16:49:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 74.461 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 54.73 Mbit/s
95th percentile per-packet one-way delay: 74.288 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 65.138 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 144.746 ms
Loss rate: 0.79%
```

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

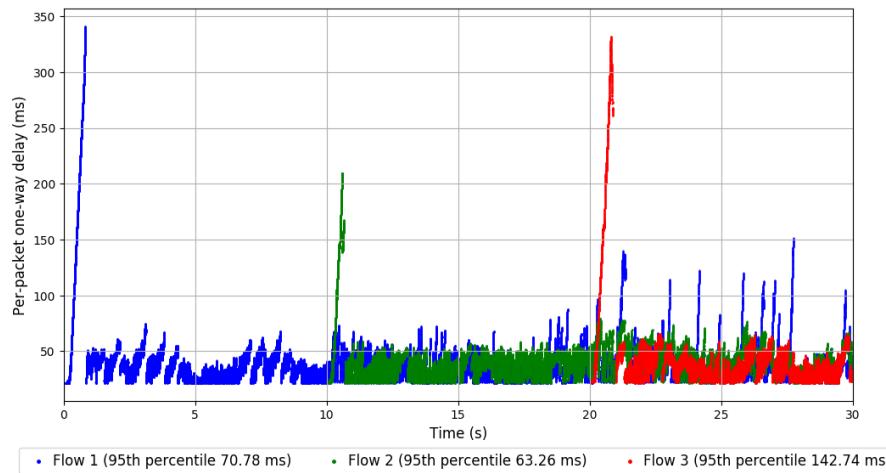
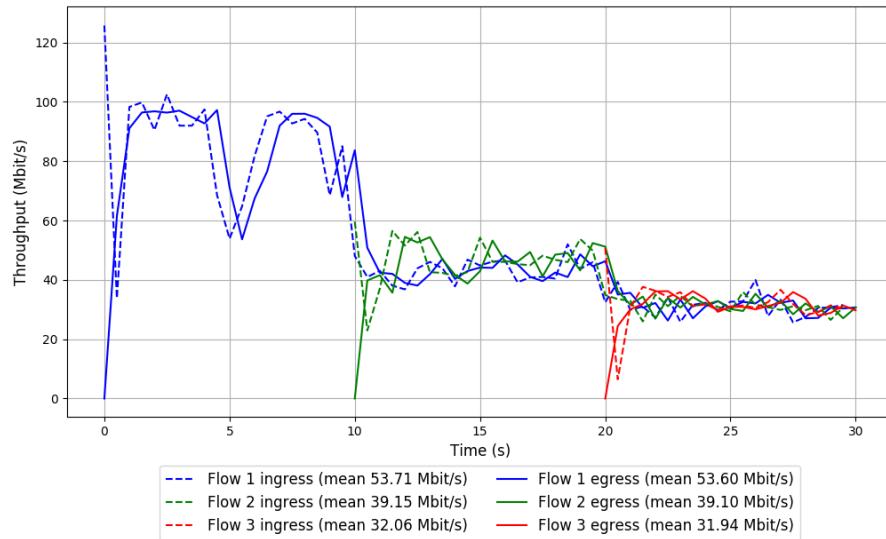


Run 4: Statistics of Verus

```
Start at: 2018-12-02 16:09:09
End at: 2018-12-02 16:09:39
Local clock offset: 2.318 ms
Remote clock offset: -3.682 ms

# Below is generated by plot.py at 2018-12-02 16:49:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 68.969 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 70.776 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 63.263 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 142.736 ms
Loss rate: 0.59%
```

Run 4: Report of Verus — Data Link

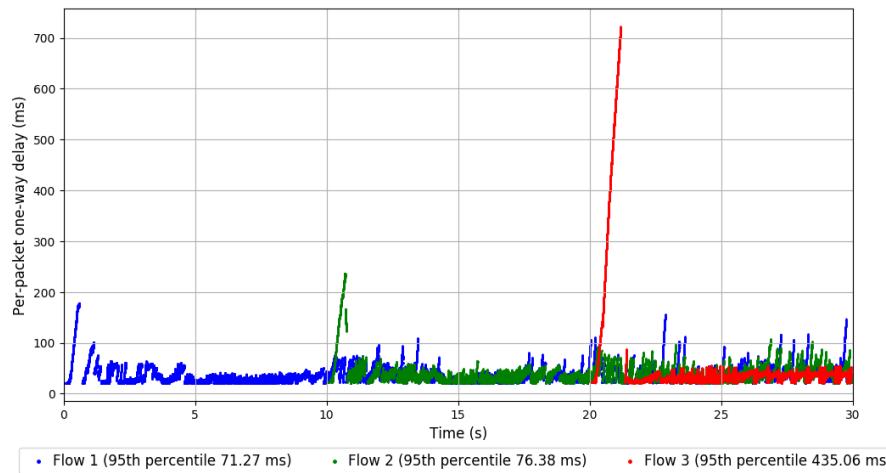
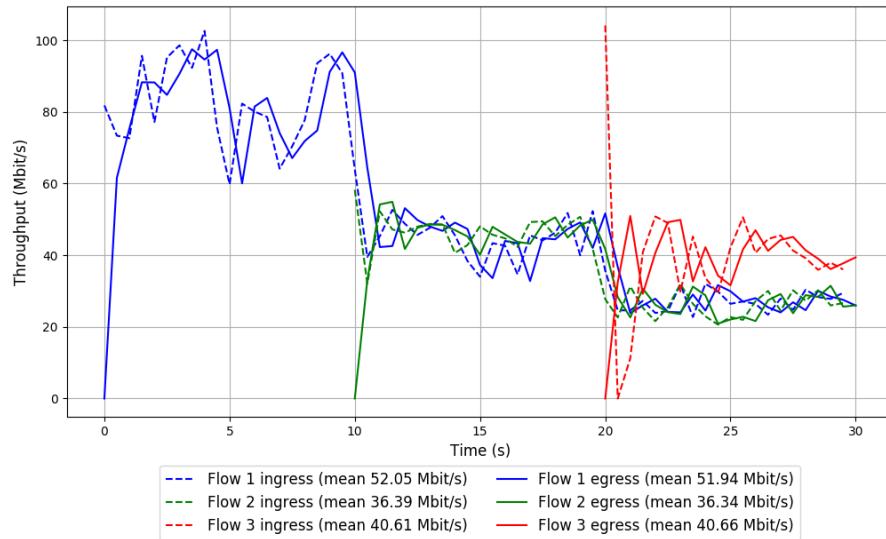


Run 5: Statistics of Verus

```
Start at: 2018-12-02 16:32:03
End at: 2018-12-02 16:32:33
Local clock offset: 2.436 ms
Remote clock offset: -3.221 ms

# Below is generated by plot.py at 2018-12-02 16:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 80.991 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 71.269 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 76.378 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 435.060 ms
Loss rate: 0.20%
```

## Run 5: Report of Verus — Data Link

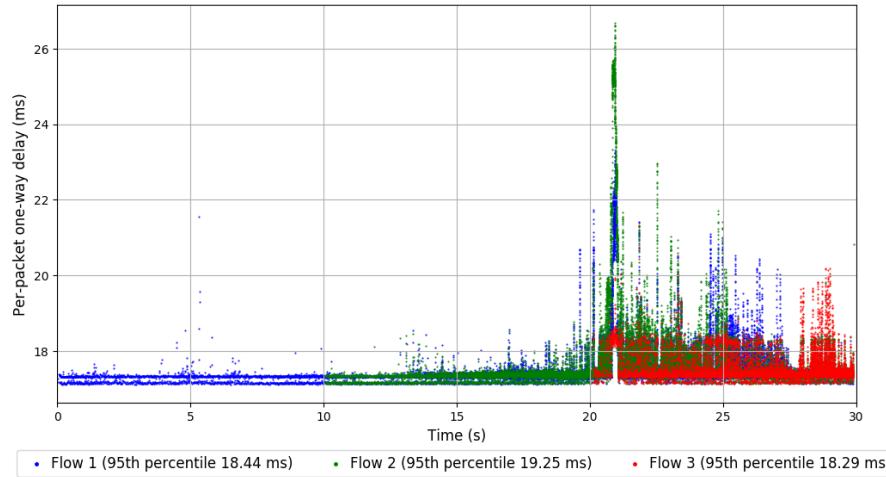
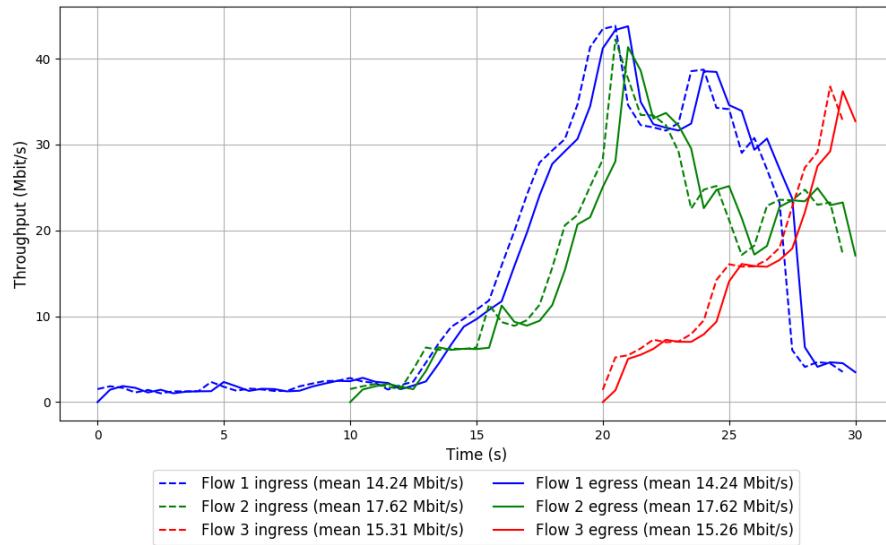


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-12-02 14:57:37
End at: 2018-12-02 14:58:07
Local clock offset: -0.245 ms
Remote clock offset: -4.044 ms

# Below is generated by plot.py at 2018-12-02 16:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 18.602 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 14.24 Mbit/s
95th percentile per-packet one-way delay: 18.436 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 17.62 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 18.289 ms
Loss rate: 0.55%
```

Run 1: Report of PCC-Vivace — Data Link

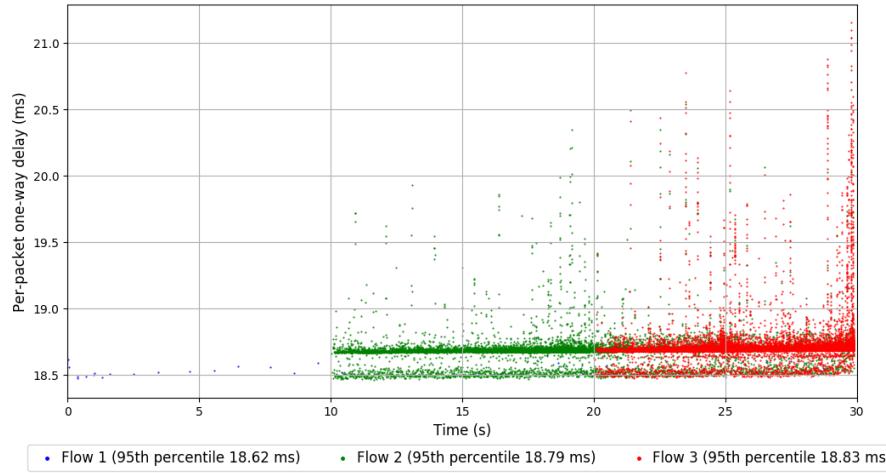
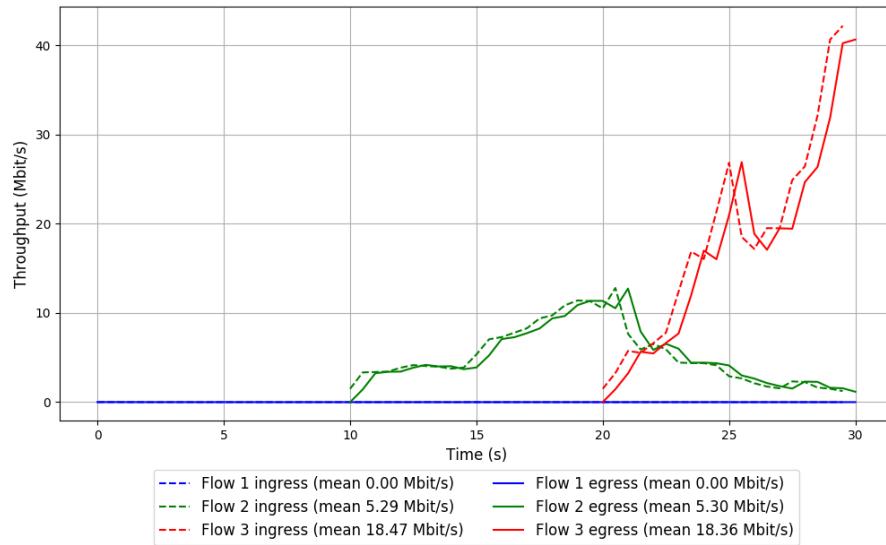


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-12-02 15:21:24
End at: 2018-12-02 15:21:54
Local clock offset: 1.054 ms
Remote clock offset: -3.278 ms

# Below is generated by plot.py at 2018-12-02 16:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 18.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 18.787 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 18.827 ms
Loss rate: 0.88%
```

Run 2: Report of PCC-Vivace — Data Link

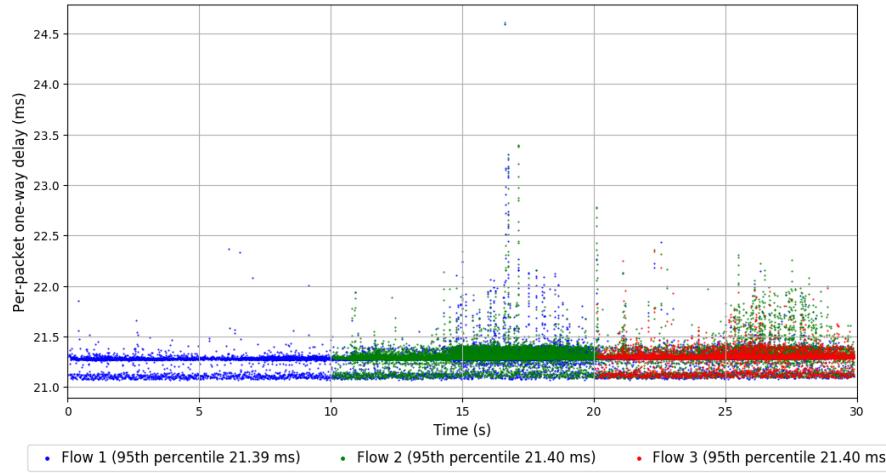
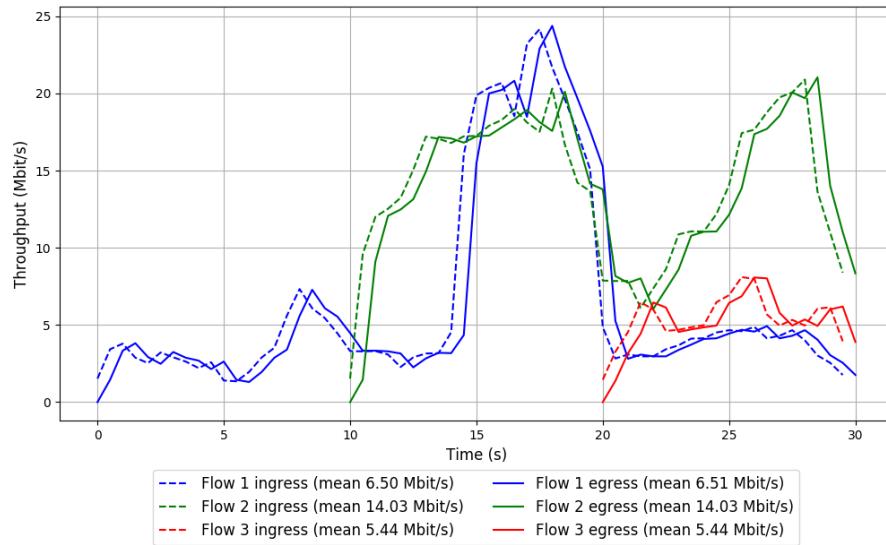


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-12-02 15:44:59
End at: 2018-12-02 15:45:29
Local clock offset: 1.075 ms
Remote clock offset: -4.612 ms

# Below is generated by plot.py at 2018-12-02 16:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 21.394 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 21.385 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 21.400 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 21.402 ms
Loss rate: 0.26%
```

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

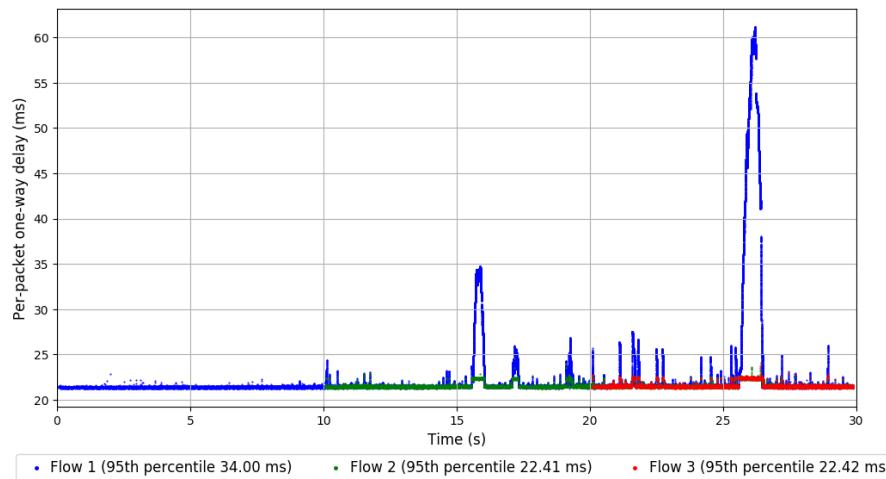
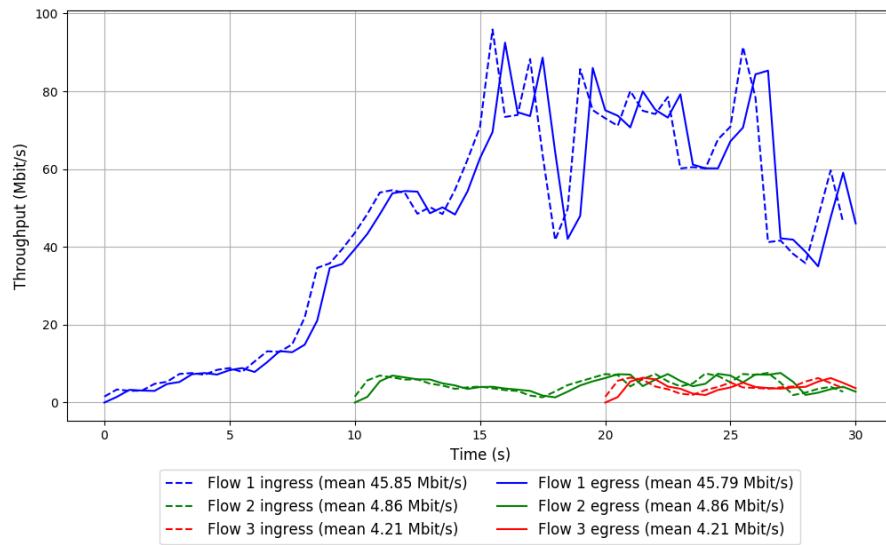


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-12-02 16:07:58
End at: 2018-12-02 16:08:28
Local clock offset: 2.95 ms
Remote clock offset: -3.044 ms

# Below is generated by plot.py at 2018-12-02 16:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 32.937 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 45.79 Mbit/s
95th percentile per-packet one-way delay: 33.996 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 22.414 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 22.424 ms
Loss rate: 0.28%
```

Run 4: Report of PCC-Vivace — Data Link

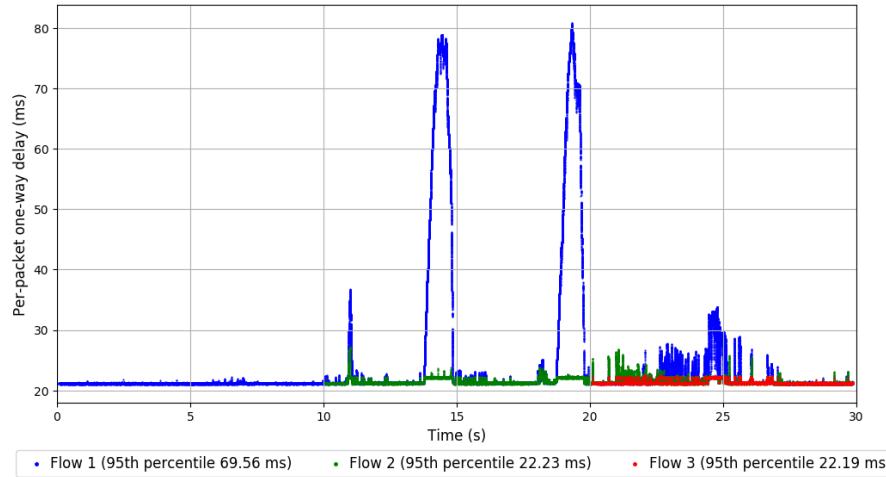
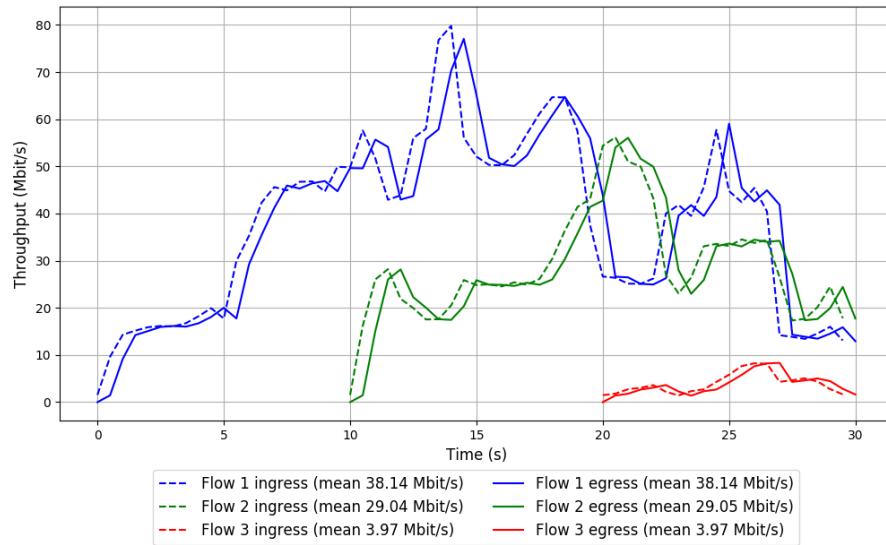


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-12-02 16:30:51
End at: 2018-12-02 16:31:21
Local clock offset: 2.174 ms
Remote clock offset: -4.015 ms

# Below is generated by plot.py at 2018-12-02 16:50:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 54.278 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 69.555 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 22.226 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 22.192 ms
Loss rate: 0.15%
```

Run 5: Report of PCC-Vivace — Data Link

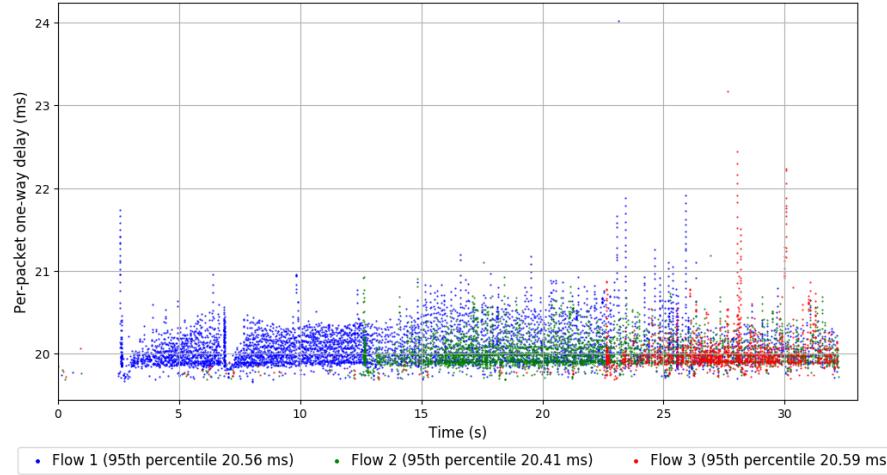
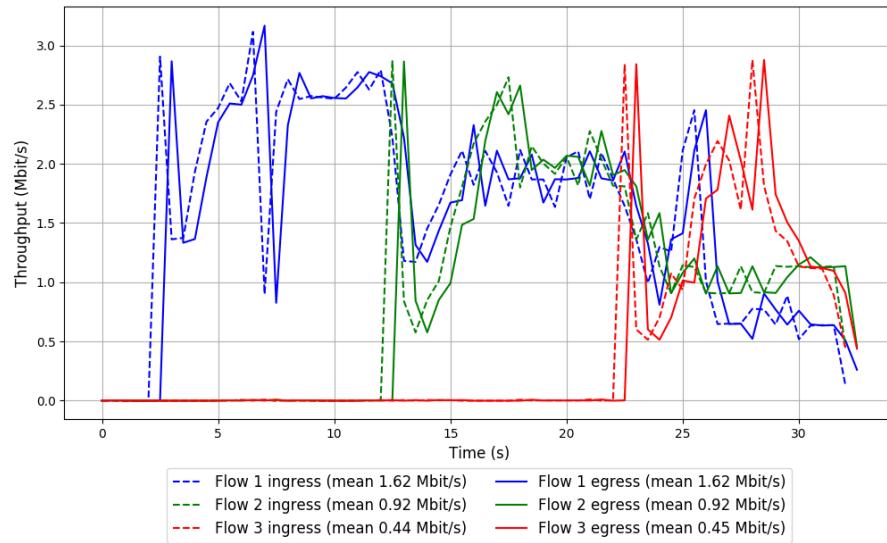


```
Run 1: Statistics of WebRTC media

Start at: 2018-12-02 14:50:14
End at: 2018-12-02 14:50:44
Local clock offset: 2.825 ms
Remote clock offset: -3.66 ms

# Below is generated by plot.py at 2018-12-02 16:50:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 20.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 20.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 20.407 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 20.590 ms
Loss rate: 0.01%
```

Run 1: Report of WebRTC media — Data Link

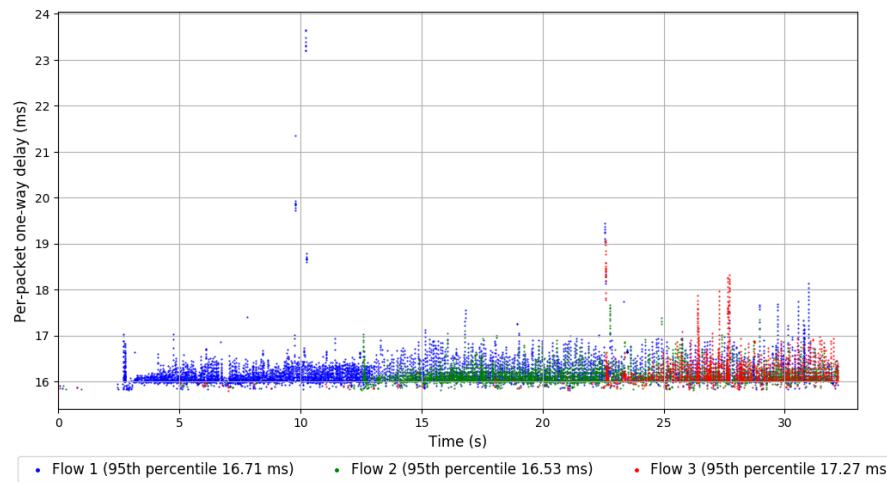
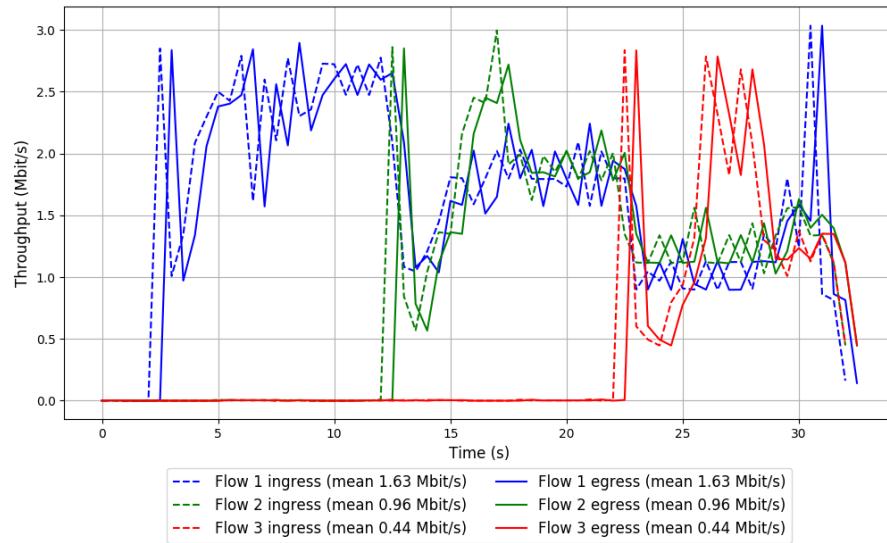


Run 2: Statistics of WebRTC media

```
Start at: 2018-12-02 15:14:07
End at: 2018-12-02 15:14:37
Local clock offset: -1.317 ms
Remote clock offset: -3.502 ms

# Below is generated by plot.py at 2018-12-02 16:50:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 16.711 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 16.709 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 16.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 17.266 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

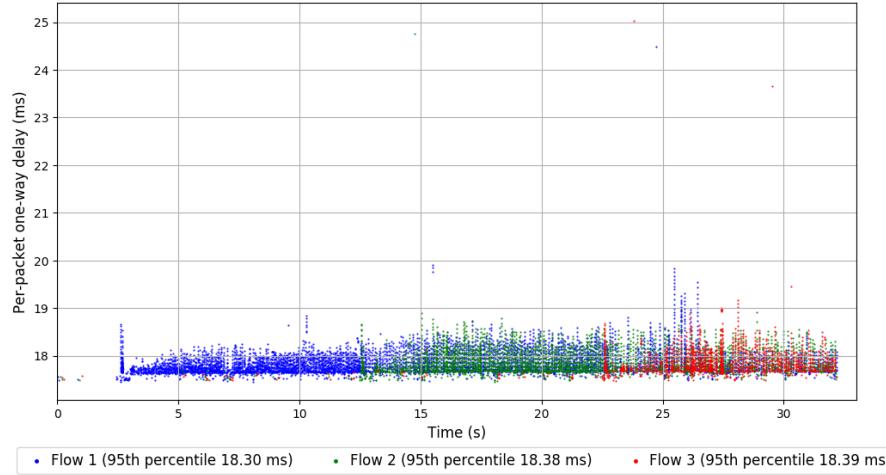
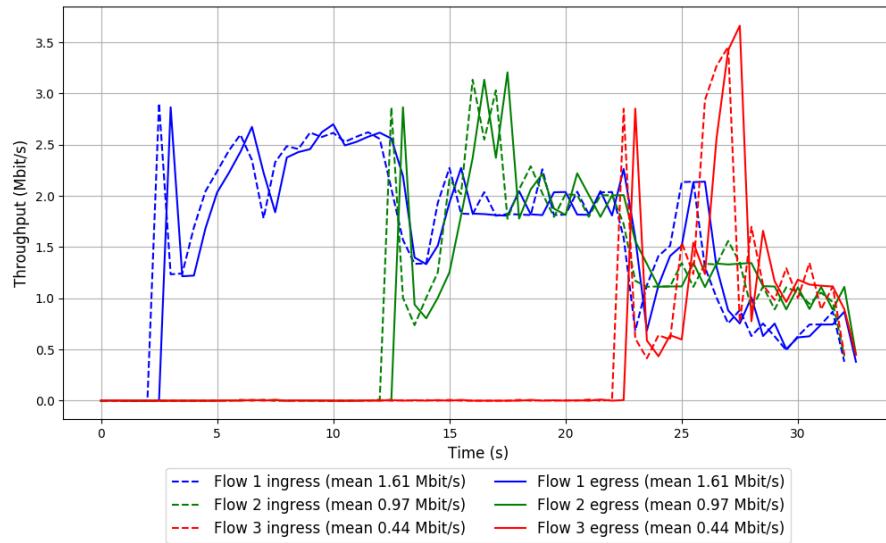


Run 3: Statistics of WebRTC media

```
Start at: 2018-12-02 15:37:43
End at: 2018-12-02 15:38:13
Local clock offset: -0.457 ms
Remote clock offset: -2.76 ms

# Below is generated by plot.py at 2018-12-02 16:50:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 18.344 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 18.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 18.380 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.390 ms
Loss rate: 0.79%
```

Run 3: Report of WebRTC media — Data Link

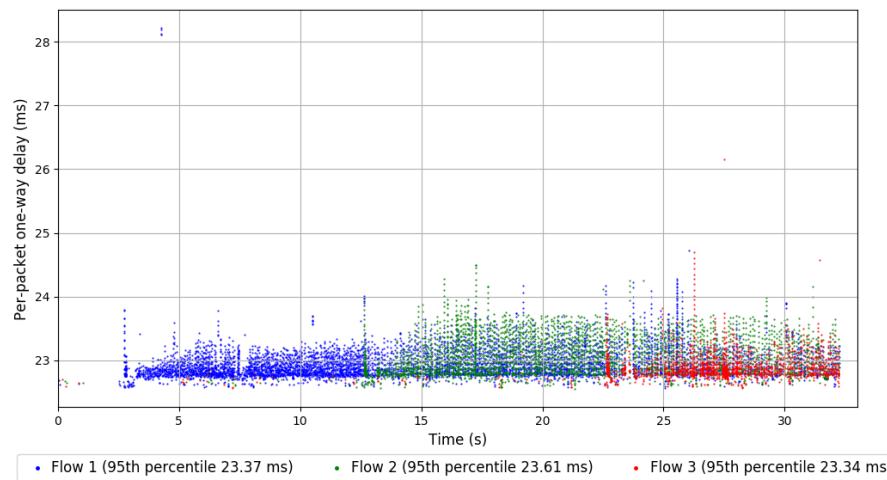
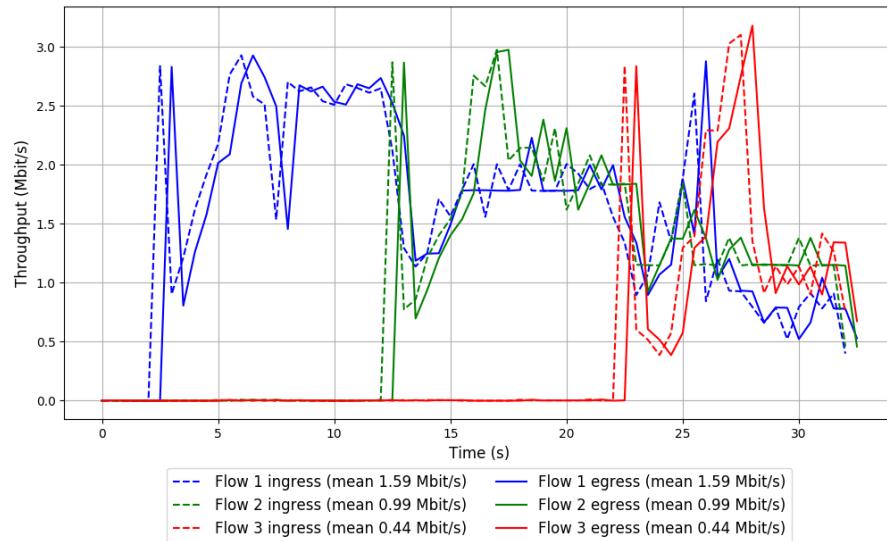


Run 4: Statistics of WebRTC media

```
Start at: 2018-12-02 16:00:46
End at: 2018-12-02 16:01:16
Local clock offset: 3.134 ms
Remote clock offset: -4.19 ms

# Below is generated by plot.py at 2018-12-02 16:50:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 23.510 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 23.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 23.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.336 ms
Loss rate: 0.27%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2018-12-02 16:23:34
End at: 2018-12-02 16:24:04
Local clock offset: 1.012 ms
Remote clock offset: -3.944 ms

# Below is generated by plot.py at 2018-12-02 16:50:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 20.772 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 20.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.174 ms
Loss rate: 0.81%
```

Run 5: Report of WebRTC media — Data Link

