

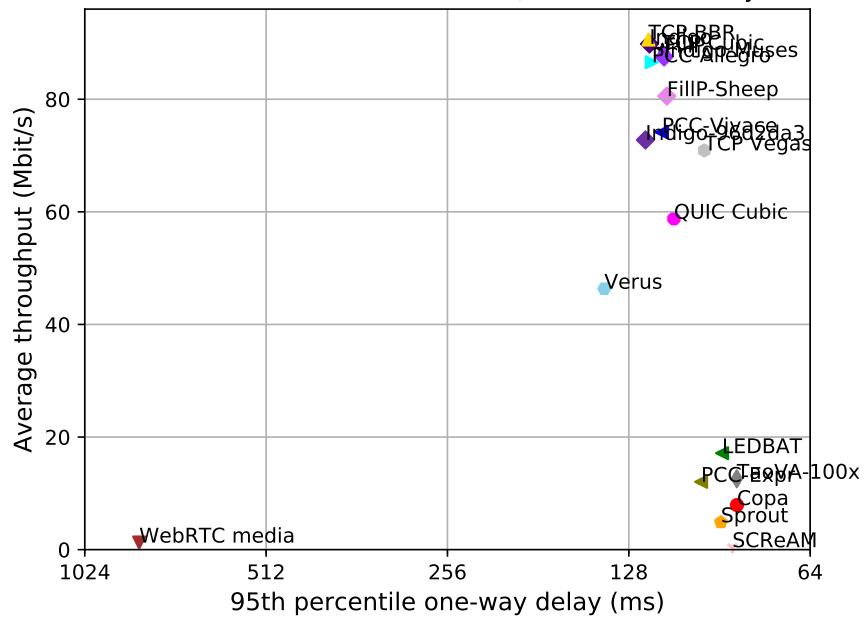
Pantheon Report

Generated at 2018-11-30 09:24:59 (UTC).
Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*remote*).
Repeated the test of 19 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

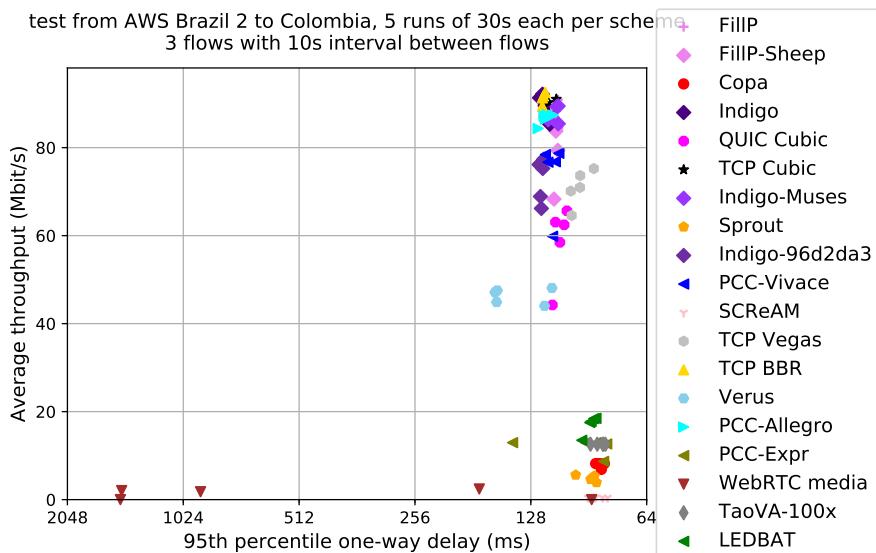
```
System info:  
Linux 4.15.0-1027-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
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 @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

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

test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 5 runs of 30s each
3 flows with 10s interval between flows



↳

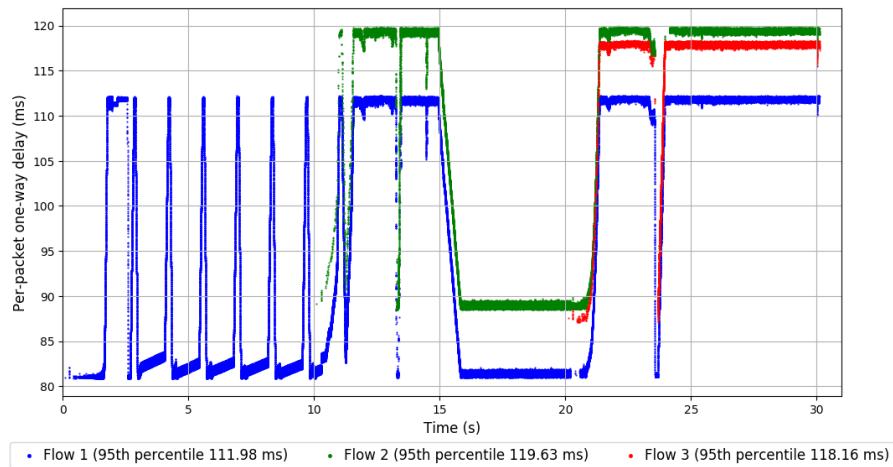
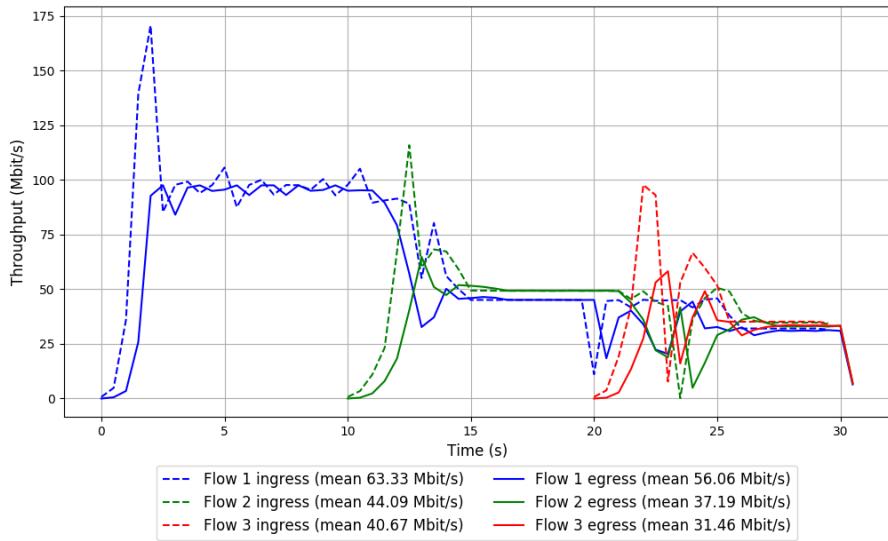
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	53.69	39.85	31.96	114.40	118.34	115.80	13.32	21.37	27.82
Copa	5	0.00	10.35	3.12	83.14	84.72	83.24	98.30	75.02	82.91
TCP Cubic	5	70.66	17.63	19.22	112.88	110.15	105.51	0.81	0.19	0.24
FillP	5	36.62	57.37	40.80	104.50	110.41	111.16	7.24	16.22	25.61
FillP-Sheep	5	23.64	71.61	28.02	228.06	436.27	367.47	7.20	11.15	16.62
Indigo	5	63.02	25.31	31.22	114.72	116.60	118.51	11.88	21.14	56.80
Indigo-96d2da3	5	42.98	33.67	23.29	118.92	120.35	120.70	56.45	60.92	59.24
LEDBAT	5	10.77	7.77	3.66	89.79	87.48	88.93	0.10	0.00	0.00
Indigo-Muses	5	67.72	21.32	17.34	112.15	110.46	111.72	3.01	1.32	2.91
PCC-Allegro	5	77.79	9.75	6.96	117.22	115.57	114.77	2.77	4.41	6.01
PCC-Expr	5	6.46	6.27	4.29	82.81	240.16	115.68	65.98	45.79	35.13
QUIC Cubic	5	39.07	22.02	15.59	107.60	106.44	106.75	0.74	0.70	0.53
SCReAM	5	0.22	0.22	0.22	84.94	85.53	84.01	0.00	0.00	0.00
Sprout	5	2.81	2.28	1.65	90.03	88.19	87.67	0.00	0.00	0.00
TaoVA-100x	5	7.01	5.24	6.32	90.93	83.85	85.01	40.23	51.79	77.21
TCP Vegas	5	42.10	30.12	29.10	96.22	99.21	90.48	1.36	0.92	1.45
Verus	5	22.76	25.53	20.66	132.96	123.83	131.69	32.09	38.35	39.98
PCC-Vivace	5	66.12	12.65	7.56	112.50	222.50	238.23	1.19	2.43	4.17
WebRTC media	5	0.95	0.26	0.05	871.86	464.64	85.49	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-11-30 07:19:19
End at: 2018-11-30 07:19:49
Local clock offset: -7.985 ms
Remote clock offset: -39.727 ms

# Below is generated by plot.py at 2018-11-30 09:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 119.498 ms
Loss rate: 13.94%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 11.39%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 119.630 ms
Loss rate: 15.55%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 118.162 ms
Loss rate: 22.42%
```

Run 1: Report of TCP BBR — Data Link

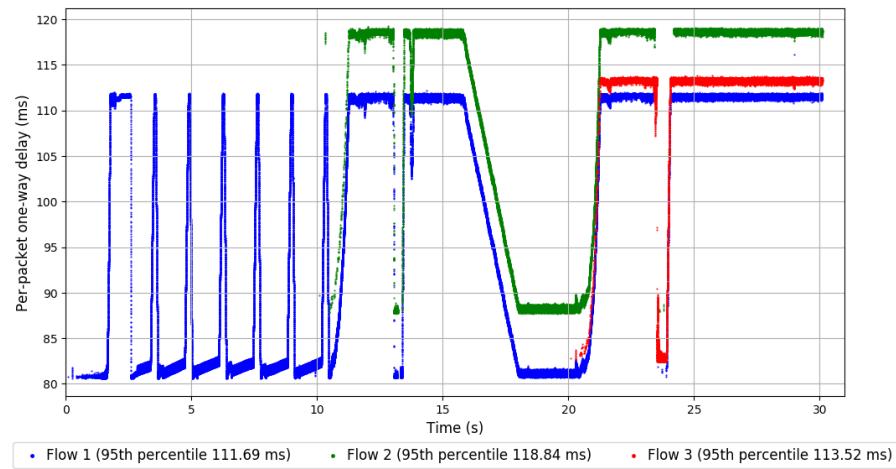
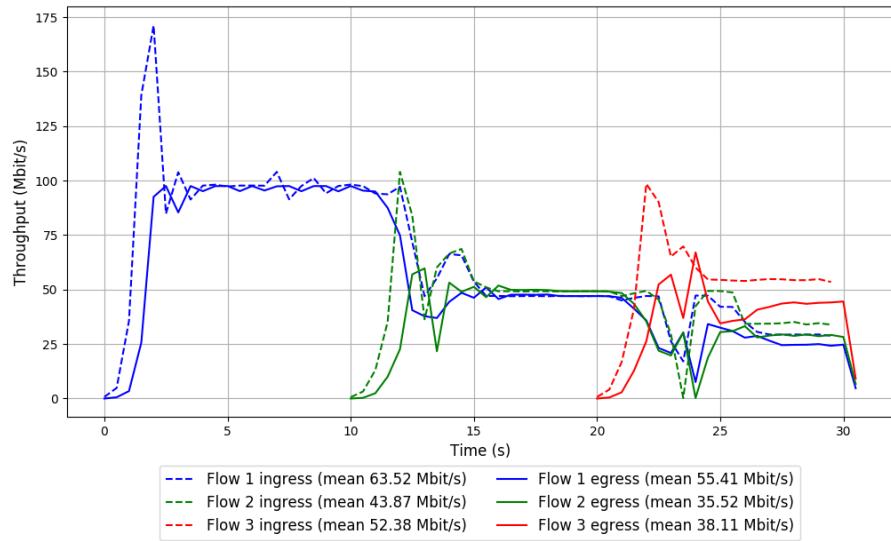


Run 2: Statistics of TCP BBR

```
Start at: 2018-11-30 07:43:38
End at: 2018-11-30 07:44:08
Local clock offset: -6.216 ms
Remote clock offset: -46.164 ms

# Below is generated by plot.py at 2018-11-30 09:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 118.723 ms
Loss rate: 16.61%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 111.692 ms
Loss rate: 12.68%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 118.845 ms
Loss rate: 18.95%
-- Flow 3:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 113.521 ms
Loss rate: 27.02%
```

Run 2: Report of TCP BBR — Data Link

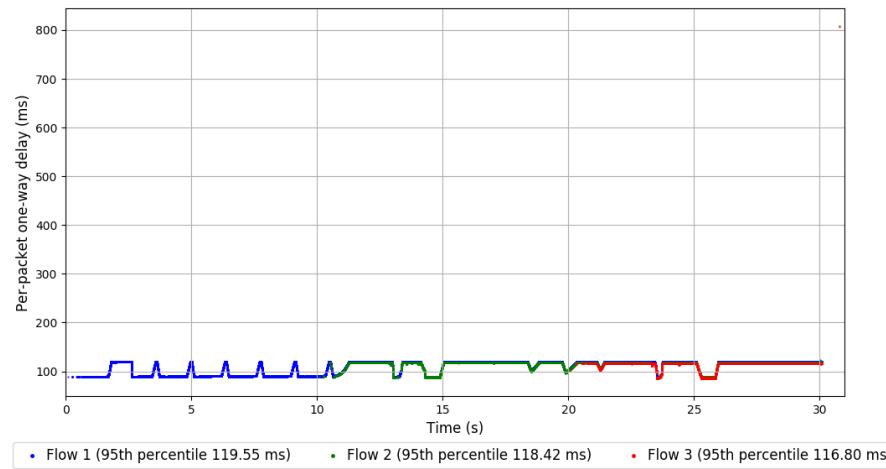
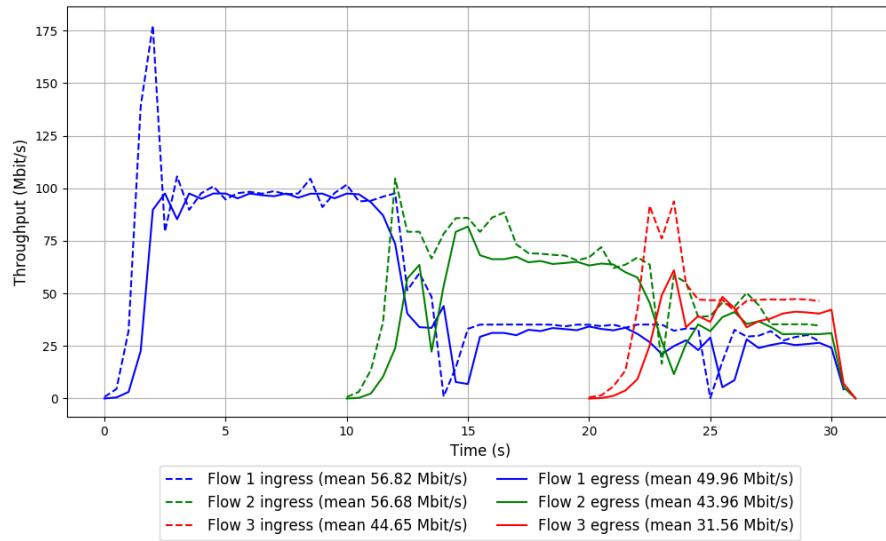


Run 3: Statistics of TCP BBR

```
Start at: 2018-11-30 08:07:56
End at: 2018-11-30 08:08:26
Local clock offset: -7.831 ms
Remote clock offset: -47.858 ms

# Below is generated by plot.py at 2018-11-30 09:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 119.486 ms
Loss rate: 16.39%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 119.550 ms
Loss rate: 12.05%
-- Flow 2:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 118.417 ms
Loss rate: 19.73%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 116.800 ms
Loss rate: 24.52%
```

Run 3: Report of TCP BBR — Data Link

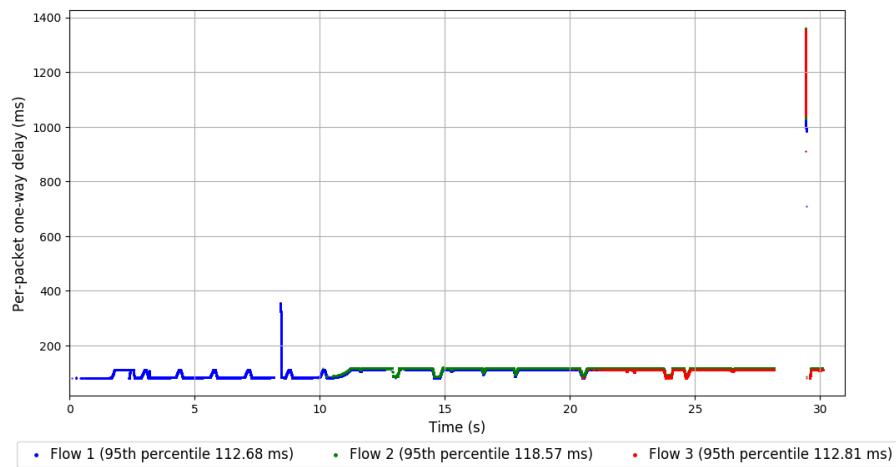
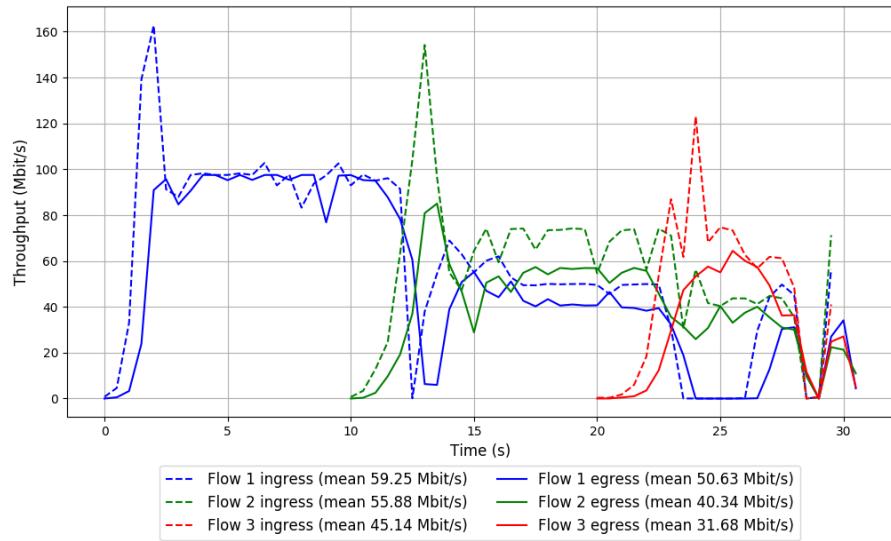


Run 4: Statistics of TCP BBR

```
Start at: 2018-11-30 08:31:59
End at: 2018-11-30 08:32:29
Local clock offset: -7.925 ms
Remote clock offset: -60.137 ms

# Below is generated by plot.py at 2018-11-30 09:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 118.511 ms
Loss rate: 20.99%
-- Flow 1:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 112.680 ms
Loss rate: 14.46%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 118.572 ms
Loss rate: 27.81%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 112.815 ms
Loss rate: 29.82%
```

Run 4: Report of TCP BBR — Data Link

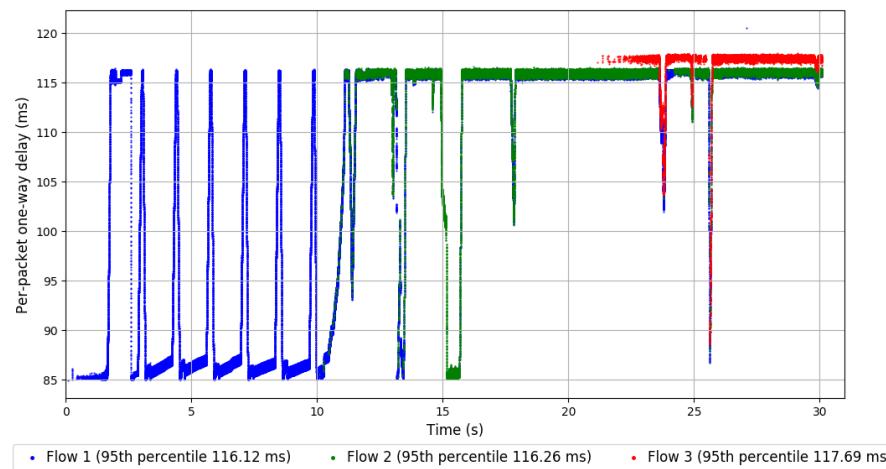
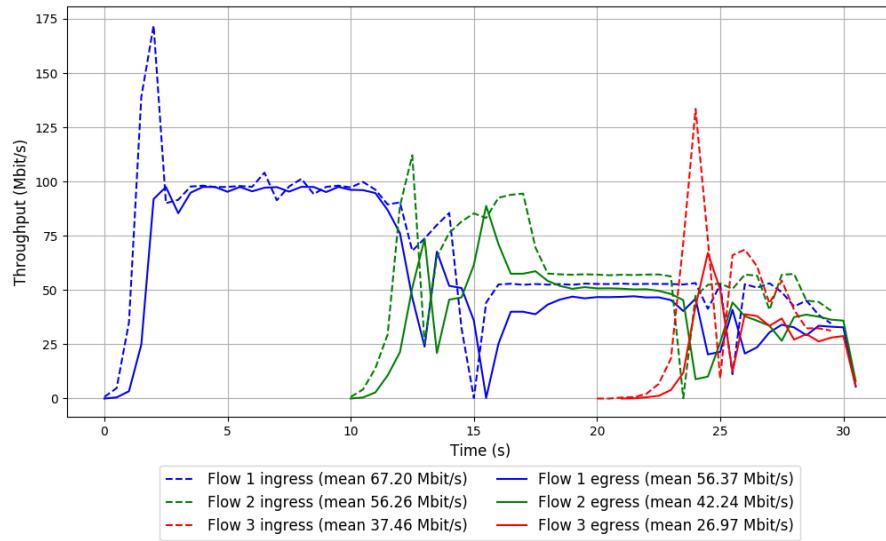


Run 5: Statistics of TCP BBR

```
Start at: 2018-11-30 08:56:05
End at: 2018-11-30 08:56:35
Local clock offset: -7.488 ms
Remote clock offset: -61.519 ms

# Below is generated by plot.py at 2018-11-30 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 117.432 ms
Loss rate: 20.89%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 116.116 ms
Loss rate: 16.03%
-- Flow 2:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 116.259 ms
Loss rate: 24.81%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 117.695 ms
Loss rate: 35.31%
```

Run 5: Report of TCP BBR — Data Link

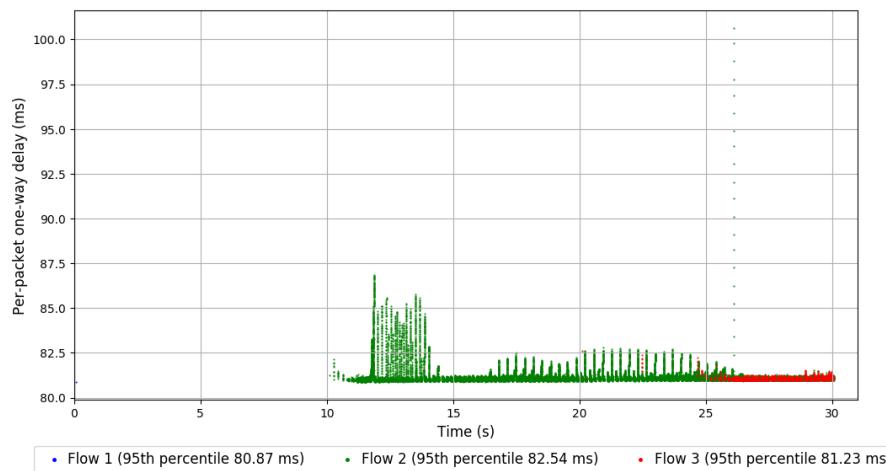
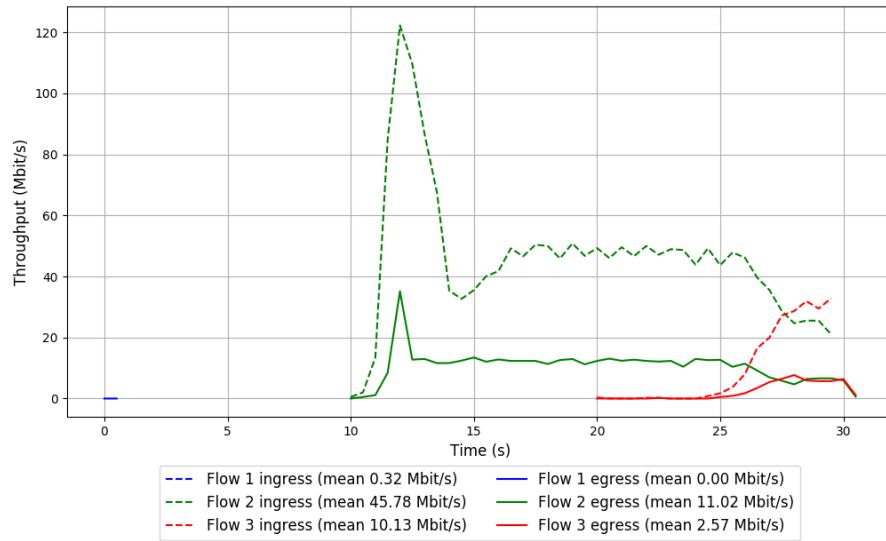


Run 1: Statistics of Copa

```
Start at: 2018-11-30 07:36:10
End at: 2018-11-30 07:36:40
Local clock offset: -7.025 ms
Remote clock offset: -44.48 ms

# Below is generated by plot.py at 2018-11-30 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 82.438 ms
Loss rate: 75.79%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.874 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 82.539 ms
Loss rate: 75.92%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 81.235 ms
Loss rate: 74.59%
```

Run 1: Report of Copa — Data Link

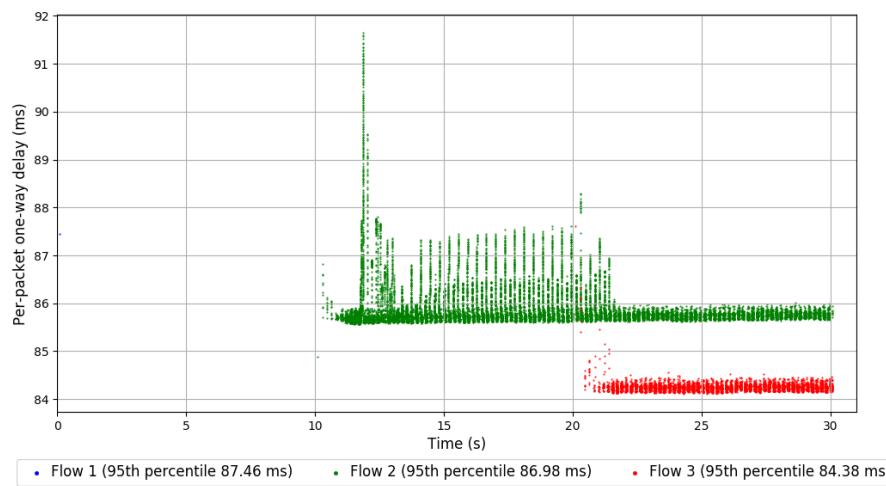
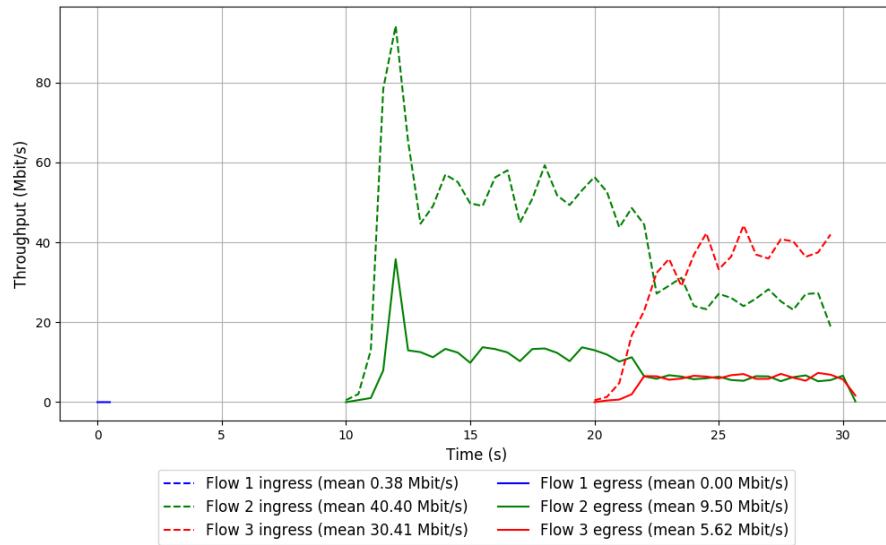


Run 2: Statistics of Copa

```
Start at: 2018-11-30 08:00:22
End at: 2018-11-30 08:00:52
Local clock offset: -6.89 ms
Remote clock offset: -46.886 ms

# Below is generated by plot.py at 2018-11-30 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 86.829 ms
Loss rate: 77.86%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.456 ms
Loss rate: 98.60%
-- Flow 2:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 86.980 ms
Loss rate: 76.49%
-- Flow 3:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 84.378 ms
Loss rate: 81.52%
```

Run 2: Report of Copa — Data Link

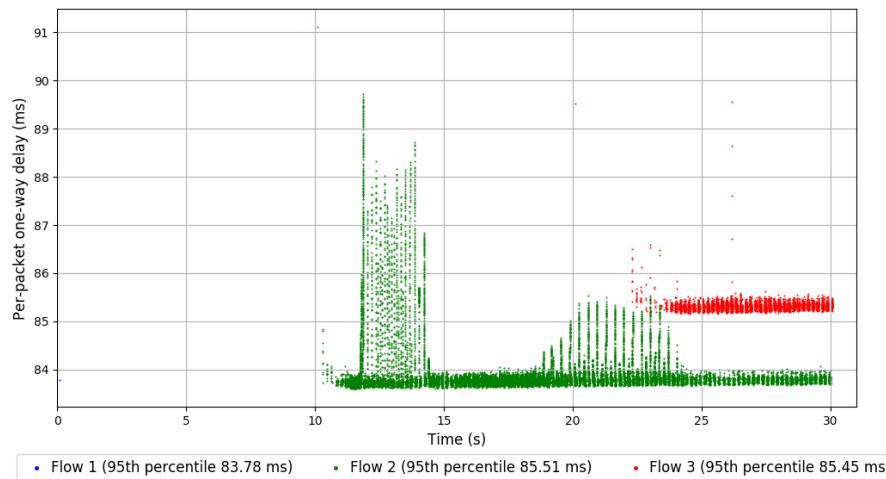
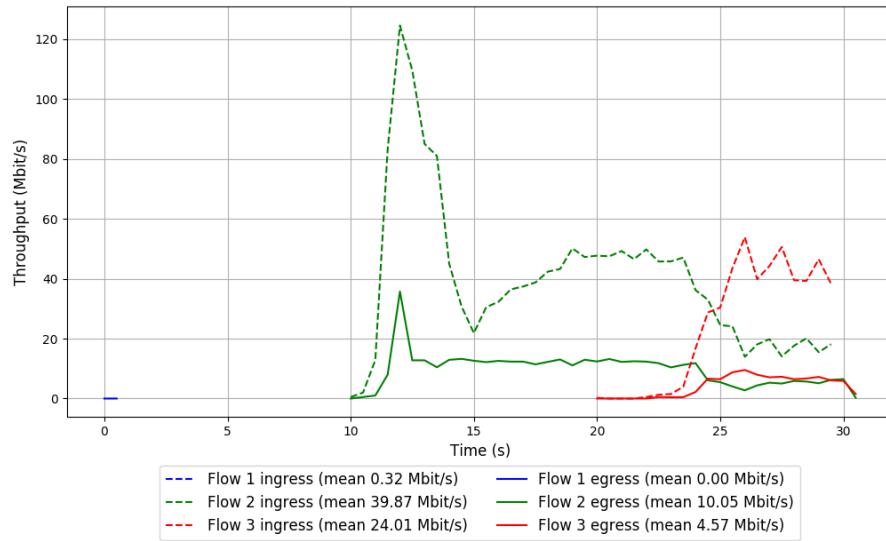


Run 3: Statistics of Copa

```
Start at: 2018-11-30 08:24:31
End at: 2018-11-30 08:25:01
Local clock offset: -7.852 ms
Remote clock offset: -54.546 ms

# Below is generated by plot.py at 2018-11-30 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 85.458 ms
Loss rate: 76.23%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.778 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 85.511 ms
Loss rate: 74.79%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 85.448 ms
Loss rate: 80.98%
```

Run 3: Report of Copa — Data Link

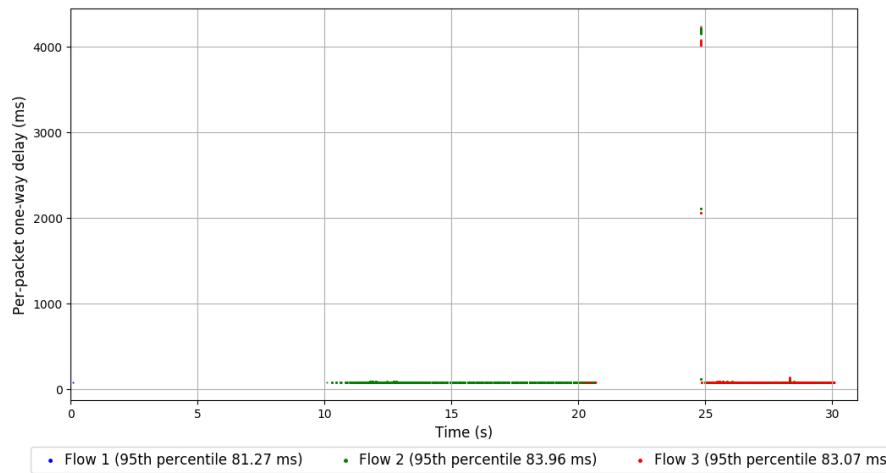
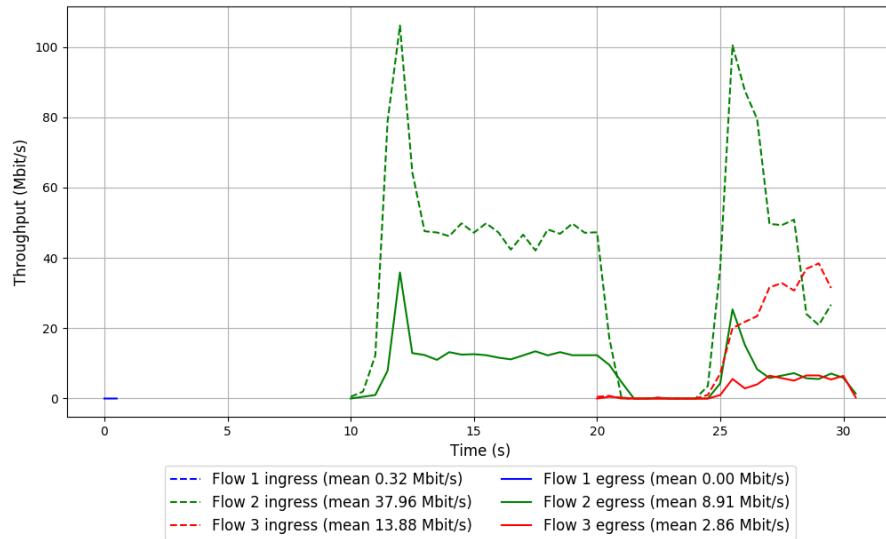


Run 4: Statistics of Copa

```
Start at: 2018-11-30 08:48:37
End at: 2018-11-30 08:49:07
Local clock offset: -7.725 ms
Remote clock offset: -63.794 ms

# Below is generated by plot.py at 2018-11-30 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 83.930 ms
Loss rate: 76.98%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.272 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 83.963 ms
Loss rate: 76.54%
-- Flow 3:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 83.074 ms
Loss rate: 79.43%
```

Run 4: Report of Copa — Data Link

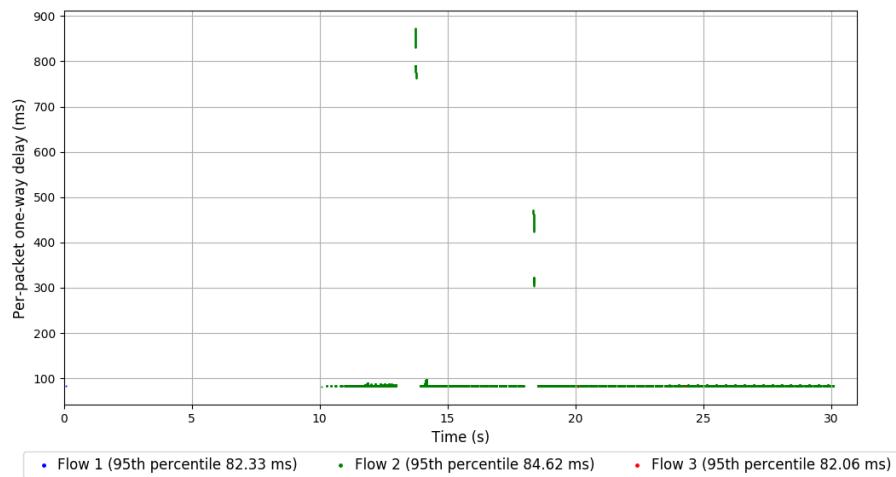
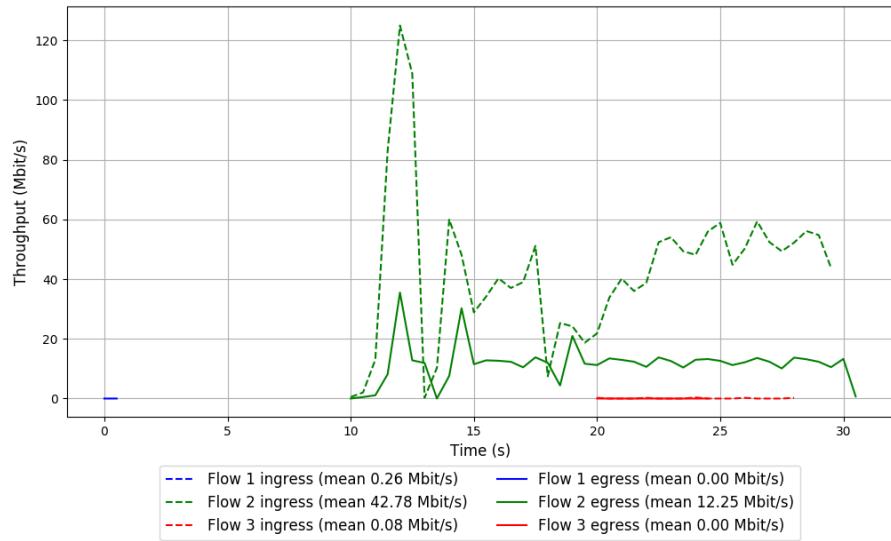


Run 5: Statistics of Copa

```
Start at: 2018-11-30 09:12:44
End at: 2018-11-30 09:13:14
Local clock offset: -6.6 ms
Remote clock offset: -70.017 ms

# Below is generated by plot.py at 2018-11-30 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 84.616 ms
Loss rate: 71.39%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.334 ms
Loss rate: 97.92%
-- Flow 2:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 84.616 ms
Loss rate: 71.36%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.057 ms
Loss rate: 98.03%
```

Run 5: Report of Copa — Data Link

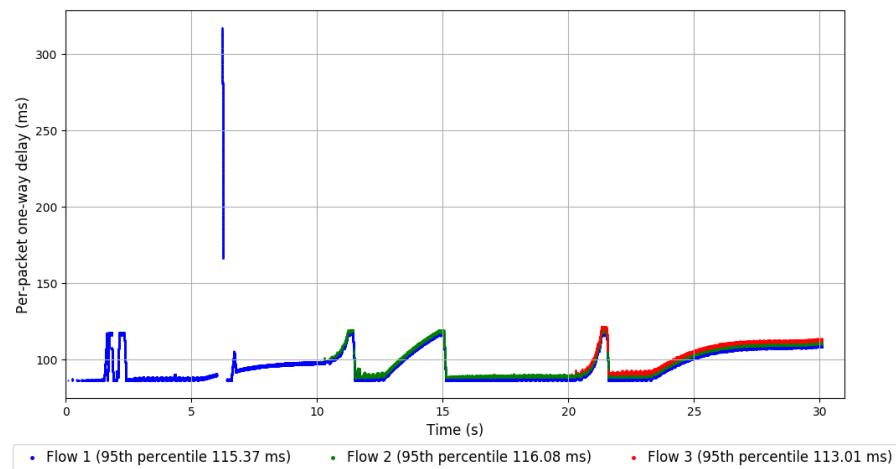
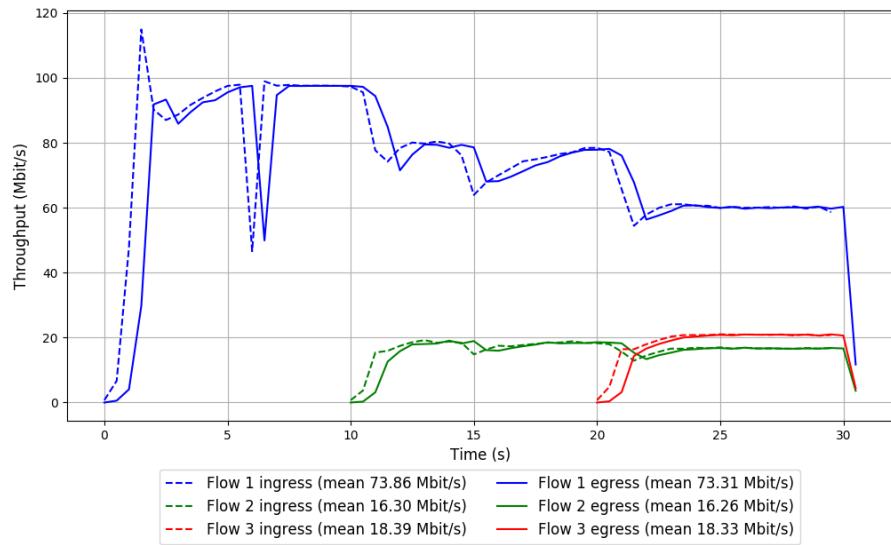


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-11-30 07:33:38
End at: 2018-11-30 07:34:08
Local clock offset: -6.994 ms
Remote clock offset: -39.68 ms

# Below is generated by plot.py at 2018-11-30 09:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 115.279 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 115.368 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 116.075 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 113.013 ms
Loss rate: 0.18%
```

Run 1: Report of TCP Cubic — Data Link

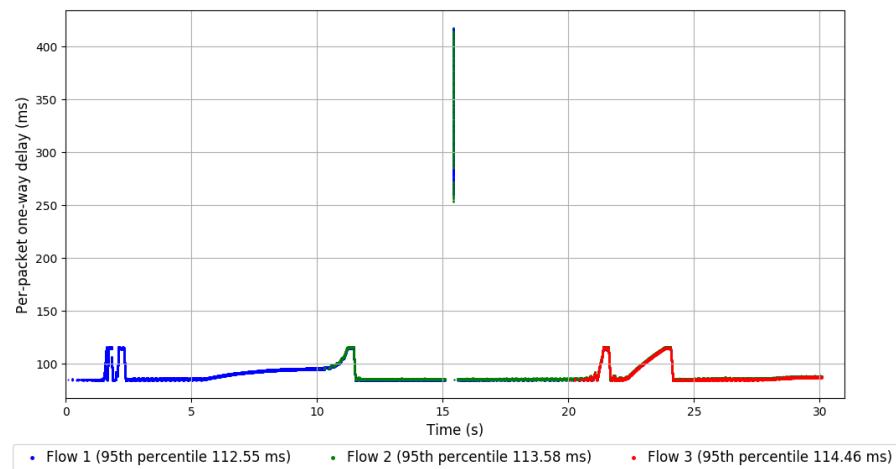
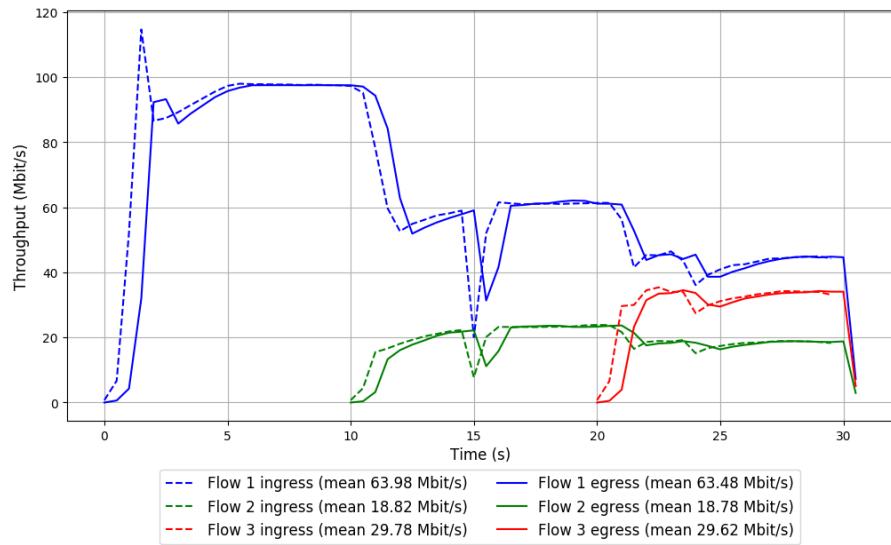


Run 2: Statistics of TCP Cubic

```
Start at: 2018-11-30 07:57:51
End at: 2018-11-30 07:58:21
Local clock offset: -7.597 ms
Remote clock offset: -46.438 ms

# Below is generated by plot.py at 2018-11-30 09:17:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 113.309 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 112.547 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 18.78 Mbit/s
95th percentile per-packet one-way delay: 113.580 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 114.463 ms
Loss rate: 0.50%
```

Run 2: Report of TCP Cubic — Data Link

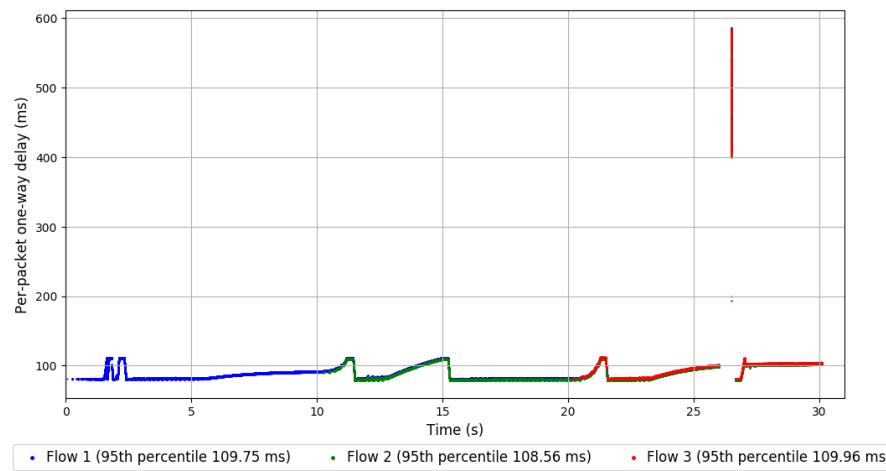
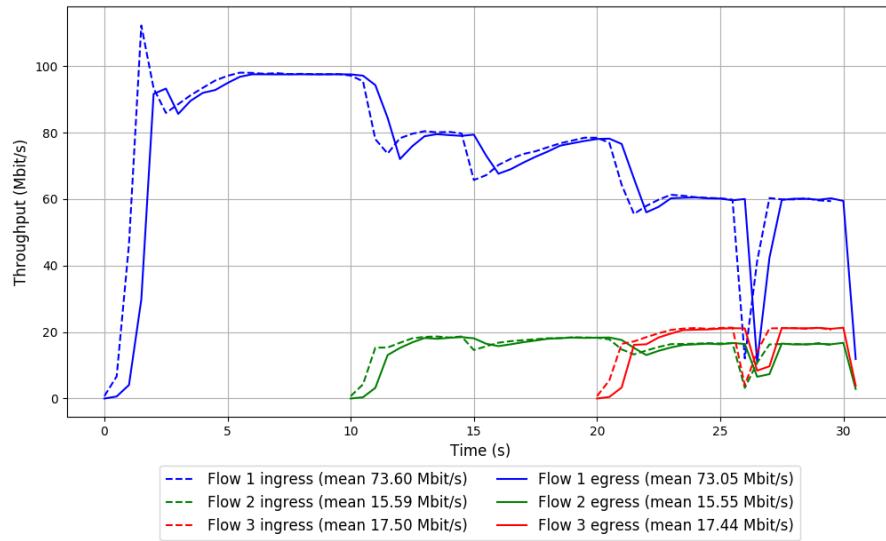


Run 3: Statistics of TCP Cubic

```
Start at: 2018-11-30 08:21:59
End at: 2018-11-30 08:22:29
Local clock offset: -7.087 ms
Remote clock offset: -57.714 ms

# Below is generated by plot.py at 2018-11-30 09:17:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 109.420 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 73.05 Mbit/s
95th percentile per-packet one-way delay: 109.749 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 108.560 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 109.956 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Cubic — Data Link

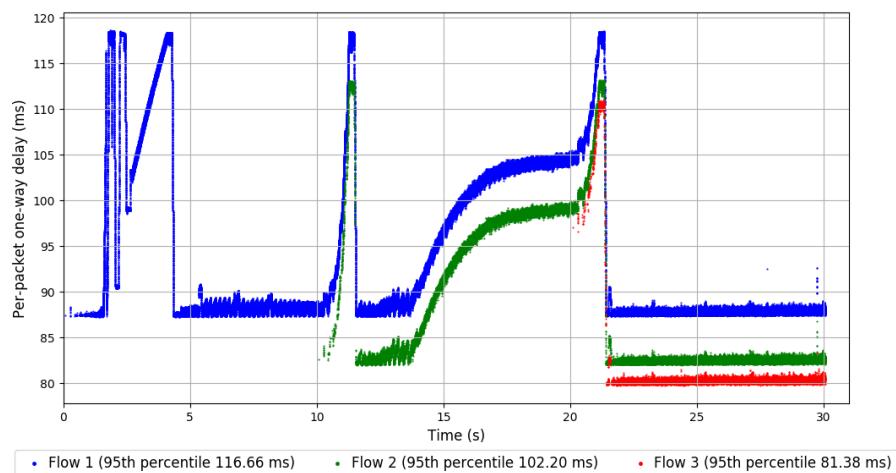
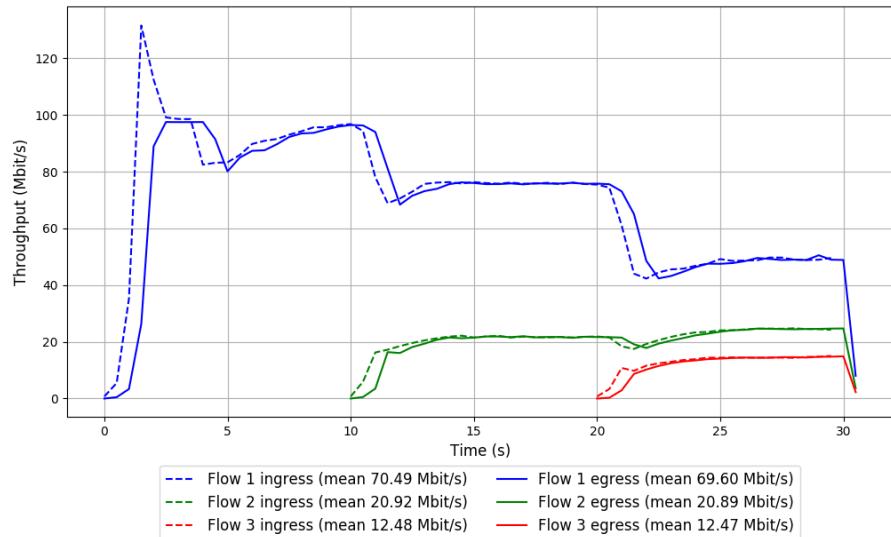


Run 4: Statistics of TCP Cubic

```
Start at: 2018-11-30 08:46:05
End at: 2018-11-30 08:46:36
Local clock offset: -7.877 ms
Remote clock offset: -63.995 ms

# Below is generated by plot.py at 2018-11-30 09:18:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 114.974 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 116.662 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 102.203 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 81.378 ms
Loss rate: 0.25%
```

Run 4: Report of TCP Cubic — Data Link

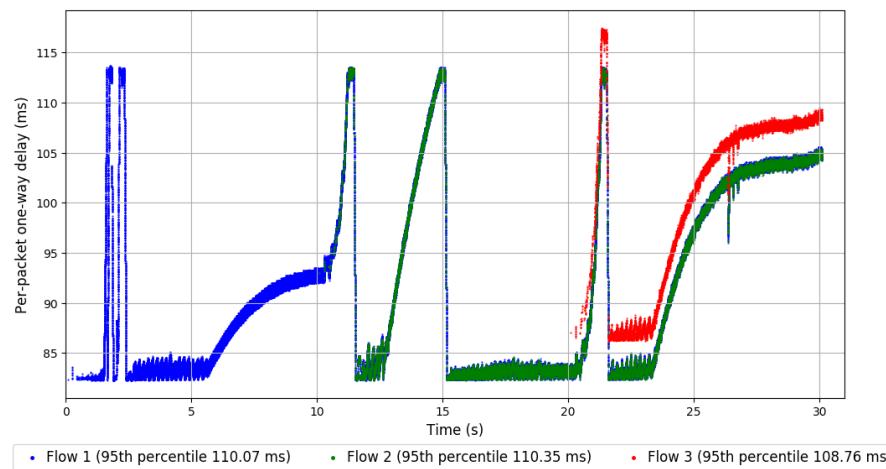
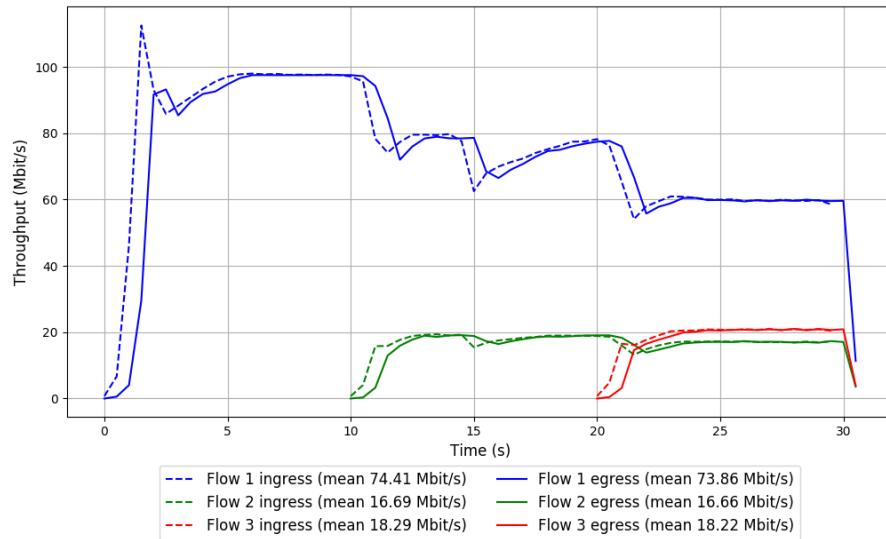


Run 5: Statistics of TCP Cubic

```
Start at: 2018-11-30 09:10:12
End at: 2018-11-30 09:10:42
Local clock offset: -6.656 ms
Remote clock offset: -69.331 ms

# Below is generated by plot.py at 2018-11-30 09:18:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 109.875 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 73.86 Mbit/s
95th percentile per-packet one-way delay: 110.066 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 16.66 Mbit/s
95th percentile per-packet one-way delay: 110.353 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 108.760 ms
Loss rate: 0.16%
```

Run 5: Report of TCP Cubic — Data Link

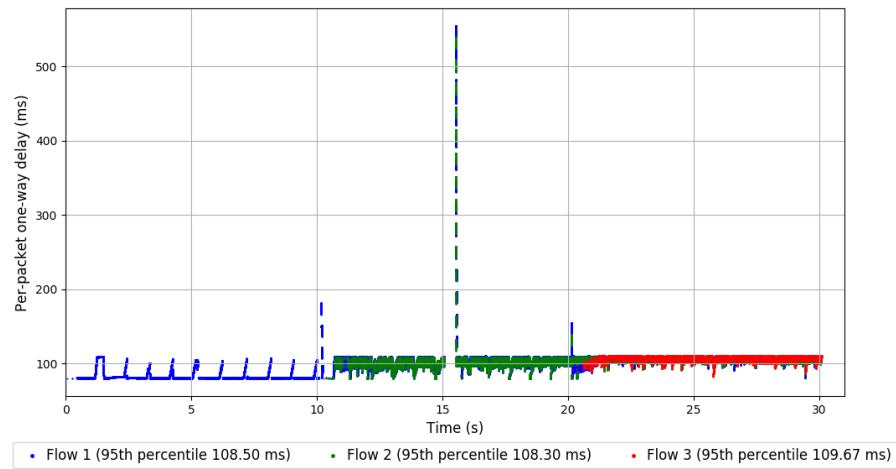
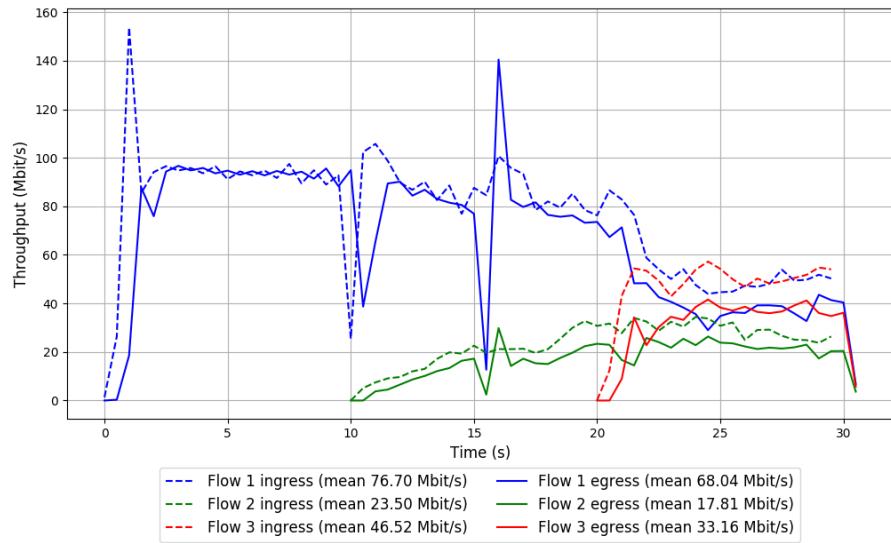


Run 1: Statistics of FillP

```
Start at: 2018-11-30 07:32:20
End at: 2018-11-30 07:32:50
Local clock offset: -6.268 ms
Remote clock offset: -43.298 ms

# Below is generated by plot.py at 2018-11-30 09:18:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 108.778 ms
Loss rate: 15.59%
-- Flow 1:
Average throughput: 68.04 Mbit/s
95th percentile per-packet one-way delay: 108.505 ms
Loss rate: 11.23%
-- Flow 2:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 108.303 ms
Loss rate: 24.14%
-- Flow 3:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 109.669 ms
Loss rate: 28.58%
```

Run 1: Report of FillP — Data Link

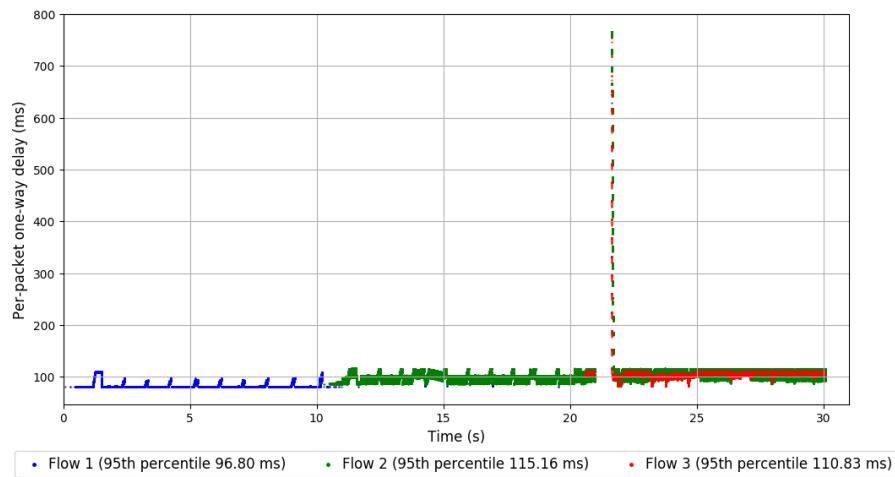
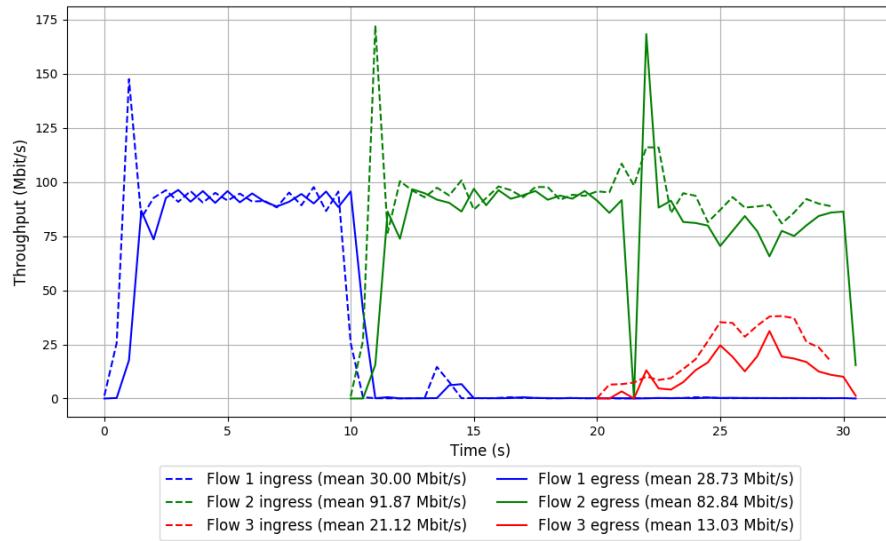


Run 2: Statistics of FillP

```
Start at: 2018-11-30 07:56:34
End at: 2018-11-30 07:57:04
Local clock offset: -7.556 ms
Remote clock offset: -49.811 ms

# Below is generated by plot.py at 2018-11-30 09:18:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 114.898 ms
Loss rate: 10.05%
-- Flow 1:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 96.803 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 115.160 ms
Loss rate: 9.72%
-- Flow 3:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 110.829 ms
Loss rate: 38.22%
```

Run 2: Report of FillP — Data Link

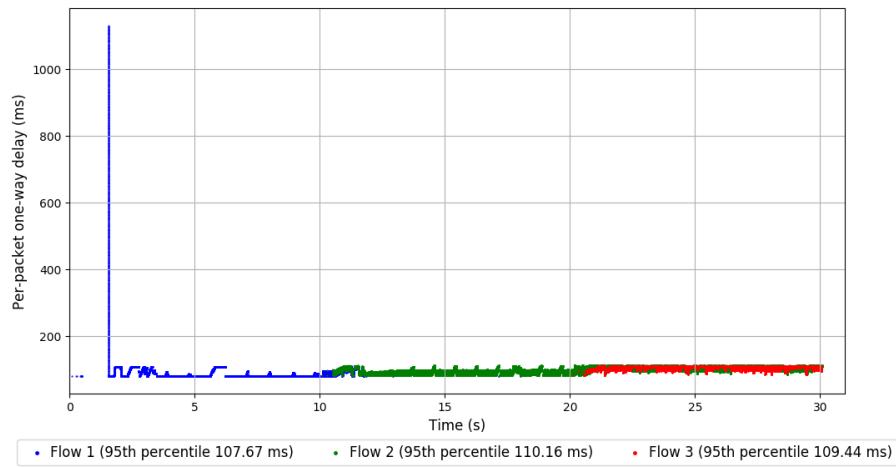
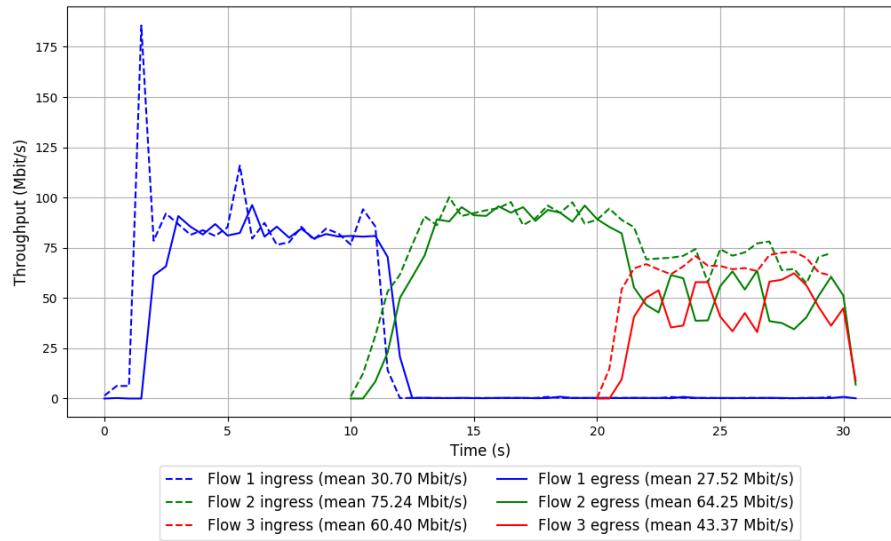


Run 3: Statistics of FillP

```
Start at: 2018-11-30 08:20:42
End at: 2018-11-30 08:21:12
Local clock offset: -7.868 ms
Remote clock offset: -57.611 ms

# Below is generated by plot.py at 2018-11-30 09:18:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 109.893 ms
Loss rate: 15.91%
-- Flow 1:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 107.669 ms
Loss rate: 10.29%
-- Flow 2:
Average throughput: 64.25 Mbit/s
95th percentile per-packet one-way delay: 110.159 ms
Loss rate: 14.50%
-- Flow 3:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 109.436 ms
Loss rate: 28.04%
```

Run 3: Report of FillP — Data Link

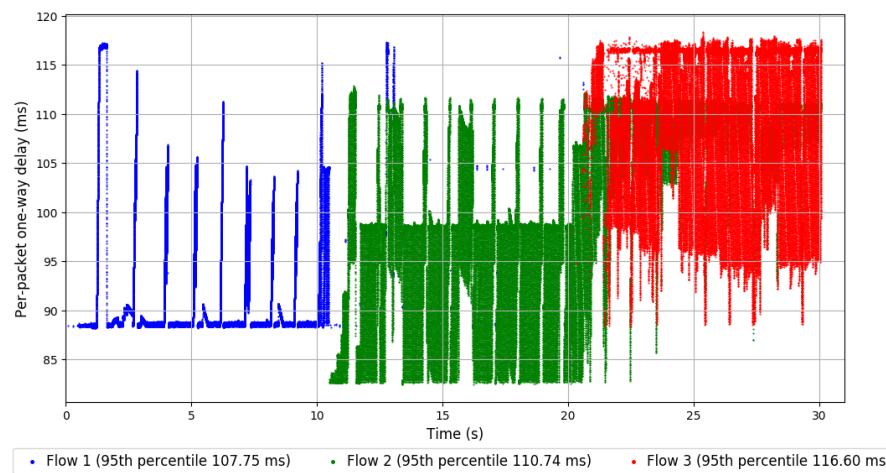
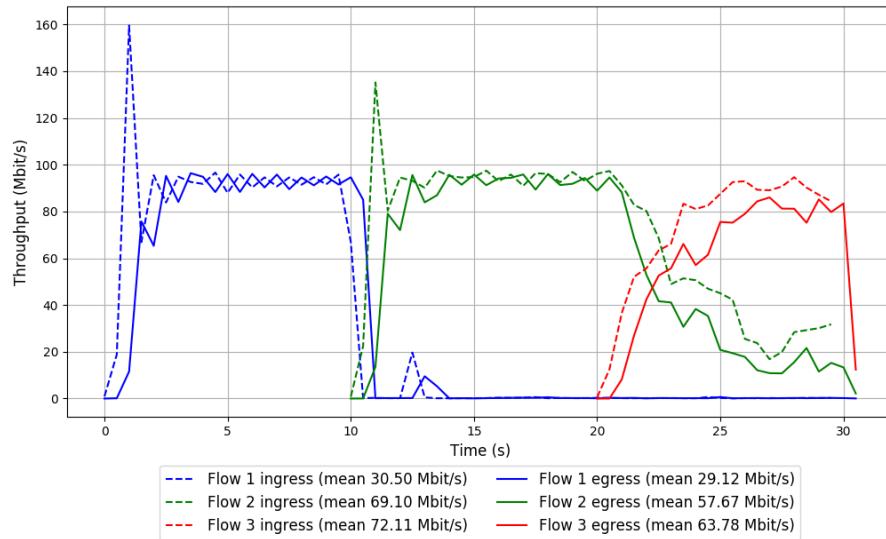


Run 4: Statistics of FillP

```
Start at: 2018-11-30 08:44:48
End at: 2018-11-30 08:45:18
Local clock offset: -7.209 ms
Remote clock offset: -59.998 ms

# Below is generated by plot.py at 2018-11-30 09:18:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 116.208 ms
Loss rate: 11.62%
-- Flow 1:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 107.747 ms
Loss rate: 4.48%
-- Flow 2:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 110.742 ms
Loss rate: 16.45%
-- Flow 3:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 116.599 ms
Loss rate: 11.39%
```

Run 4: Report of FillP — Data Link

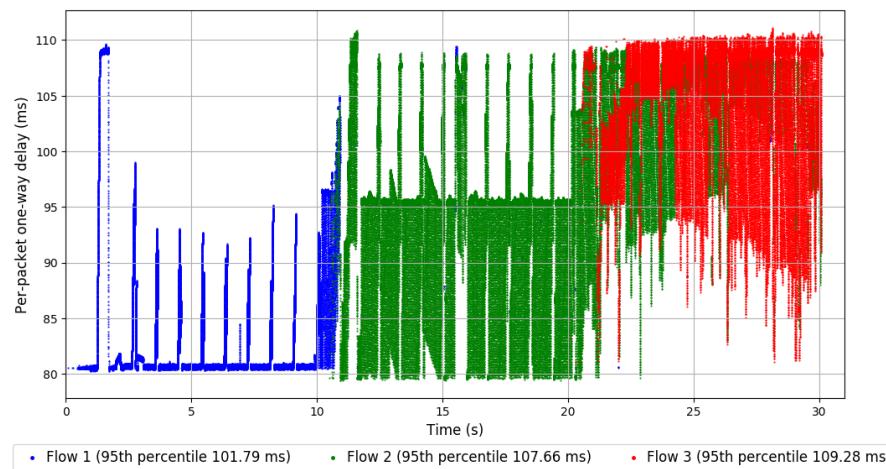
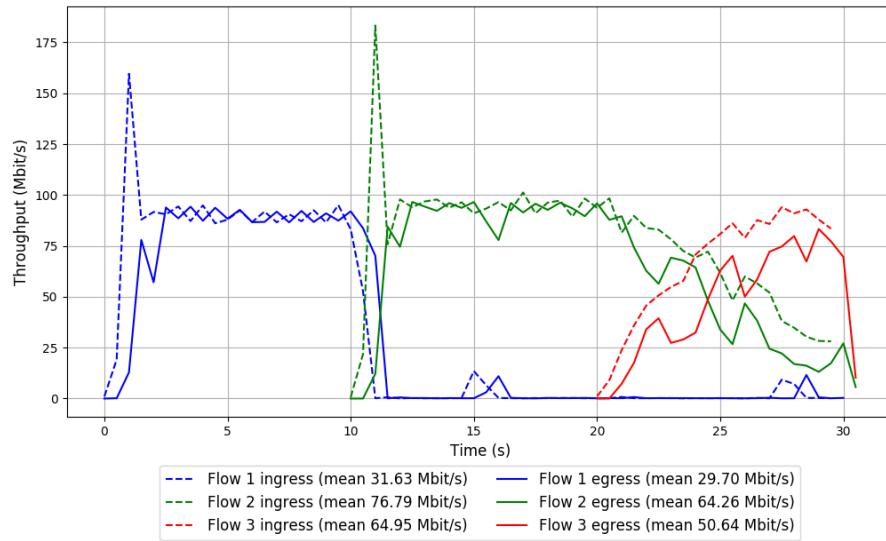


Run 5: Statistics of FillP

```
Start at: 2018-11-30 09:08:55
End at: 2018-11-30 09:09:25
Local clock offset: -6.601 ms
Remote clock offset: -70.2 ms

# Below is generated by plot.py at 2018-11-30 09:18:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 108.735 ms
Loss rate: 14.35%
-- Flow 1:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 101.787 ms
Loss rate: 6.04%
-- Flow 2:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 107.661 ms
Loss rate: 16.31%
-- Flow 3:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 109.276 ms
Loss rate: 21.84%
```

Run 5: Report of FillP — Data Link

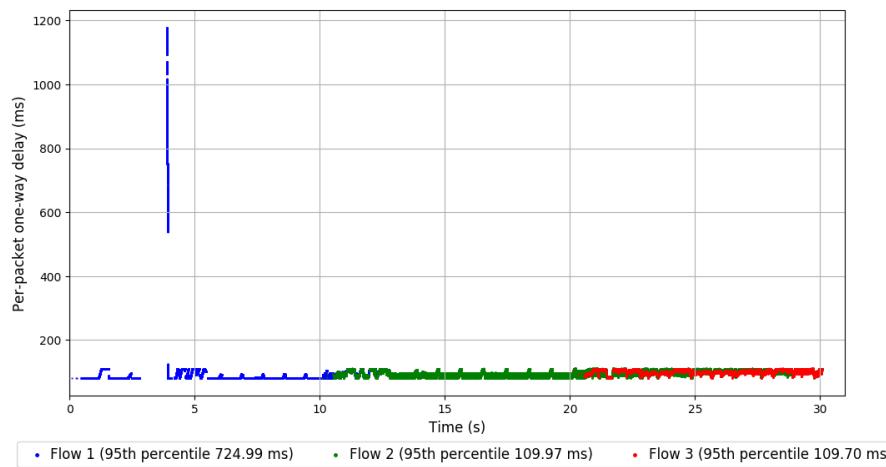
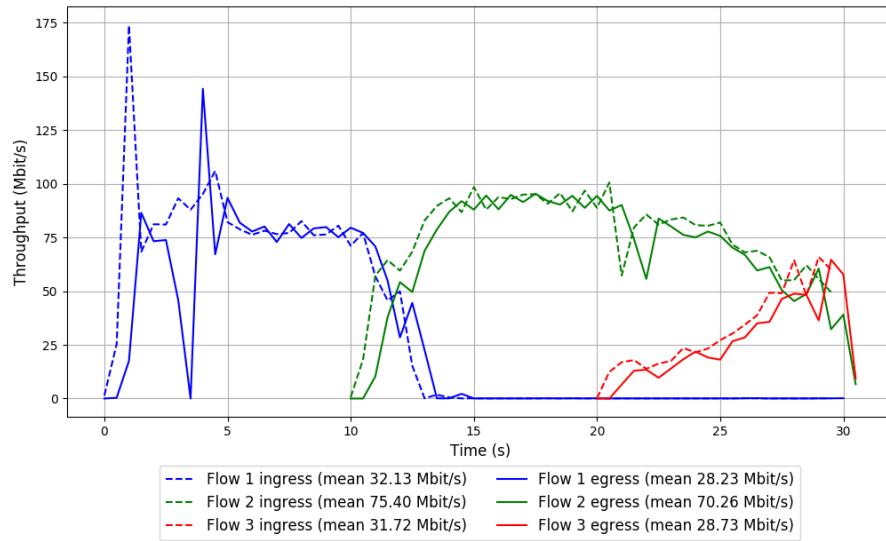


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-11-30 07:14:20
End at: 2018-11-30 07:14:50
Local clock offset: -8.09 ms
Remote clock offset: -38.393 ms

# Below is generated by plot.py at 2018-11-30 09:18:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 110.153 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 724.987 ms
Loss rate: 12.04%
-- Flow 2:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 109.971 ms
Loss rate: 6.71%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 109.703 ms
Loss rate: 9.39%
```

Run 1: Report of FillP-Sheep — Data Link

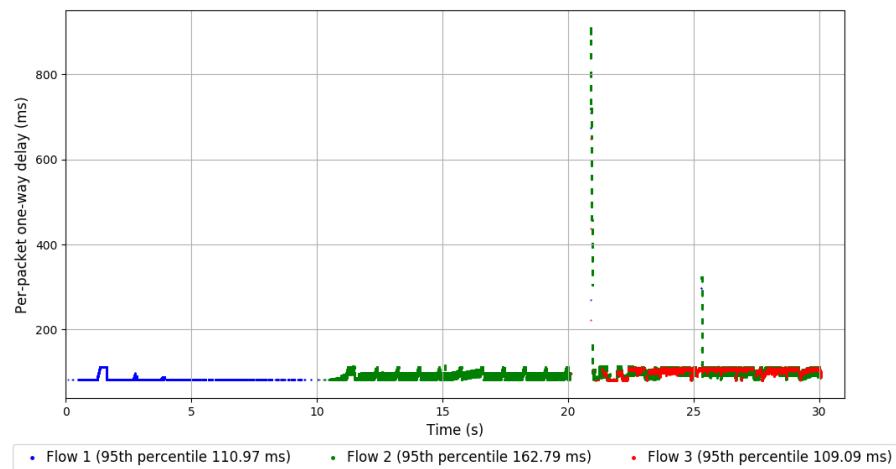
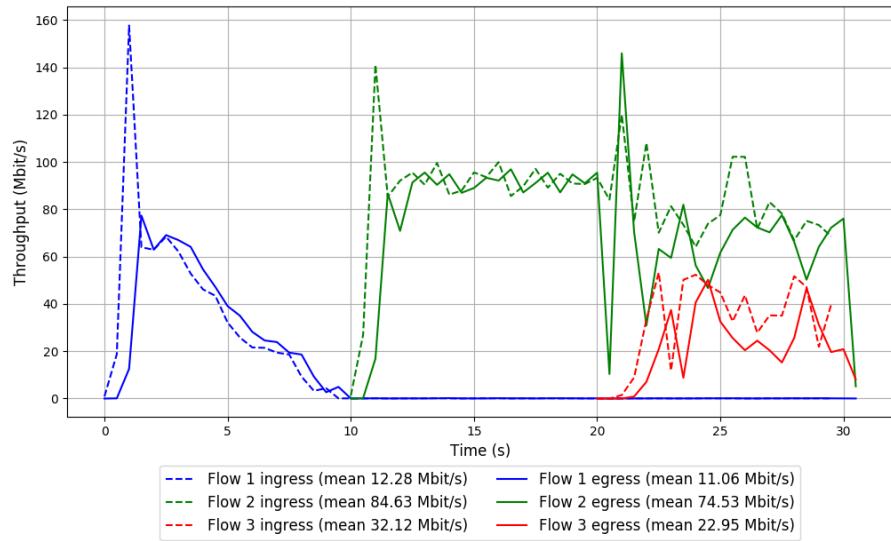


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-11-30 07:38:40
End at: 2018-11-30 07:39:10
Local clock offset: -6.93 ms
Remote clock offset: -45.078 ms

# Below is generated by plot.py at 2018-11-30 09:19:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 111.452 ms
Loss rate: 13.78%
-- Flow 1:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 110.975 ms
Loss rate: 9.87%
-- Flow 2:
Average throughput: 74.53 Mbit/s
95th percentile per-packet one-way delay: 162.795 ms
Loss rate: 11.84%
-- Flow 3:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 109.092 ms
Loss rate: 28.53%
```

Run 2: Report of FillP-Sheep — Data Link

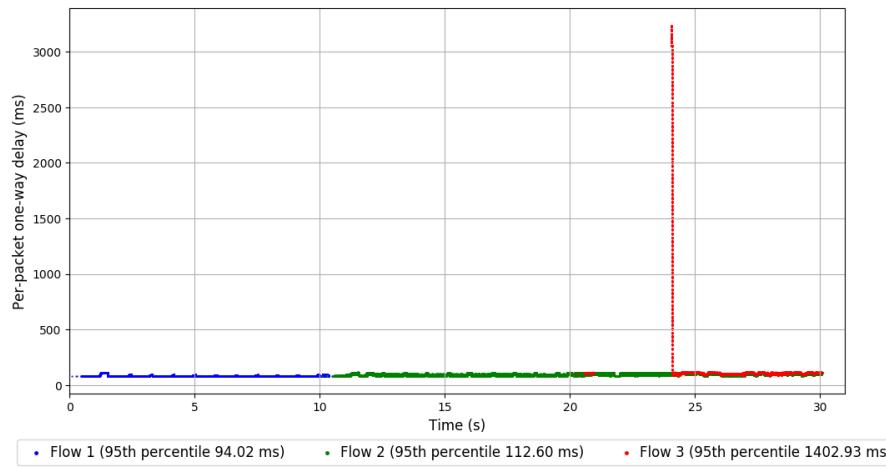
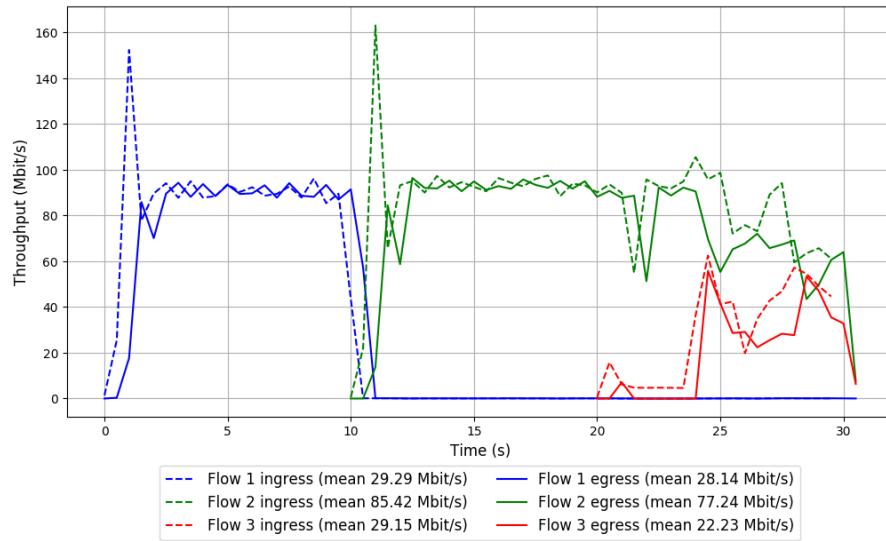


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-11-30 08:02:56
End at: 2018-11-30 08:03:26
Local clock offset: -7.726 ms
Remote clock offset: -51.502 ms

# Below is generated by plot.py at 2018-11-30 09:19:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 112.704 ms
Loss rate: 9.20%
-- Flow 1:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 94.021 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 112.597 ms
Loss rate: 9.48%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 1402.934 ms
Loss rate: 23.69%
```

Run 3: Report of FillP-Sheep — Data Link

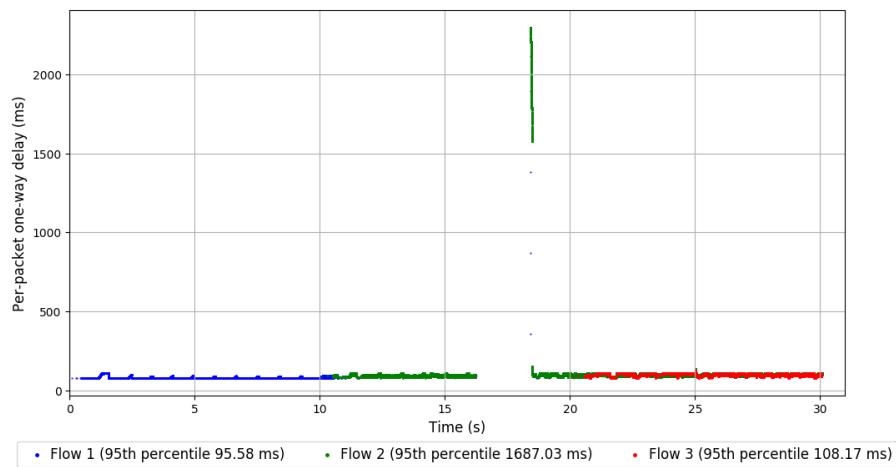
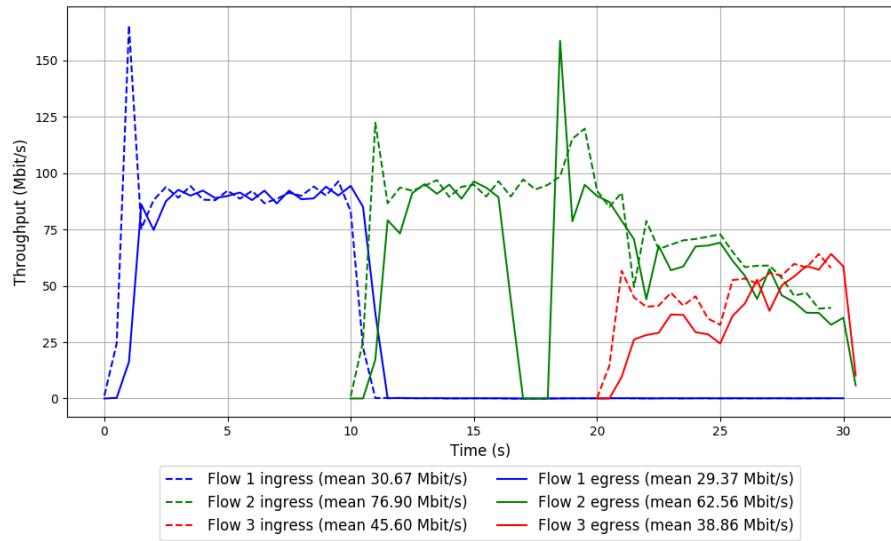


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-11-30 08:27:02
End at: 2018-11-30 08:27:32
Local clock offset: -7.847 ms
Remote clock offset: -59.009 ms

# Below is generated by plot.py at 2018-11-30 09:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 110.159 ms
Loss rate: 13.41%
-- Flow 1:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 95.576 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 62.56 Mbit/s
95th percentile per-packet one-way delay: 1687.032 ms
Loss rate: 18.54%
-- Flow 3:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 108.172 ms
Loss rate: 14.71%
```

Run 4: Report of FillP-Sheep — Data Link

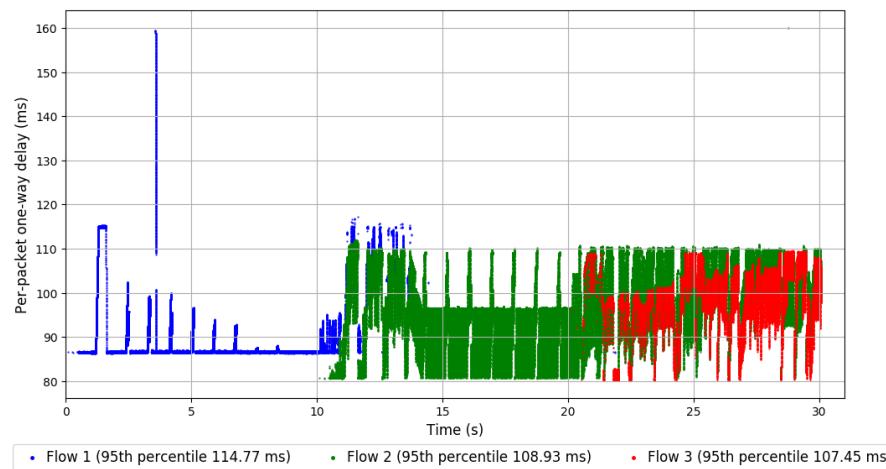
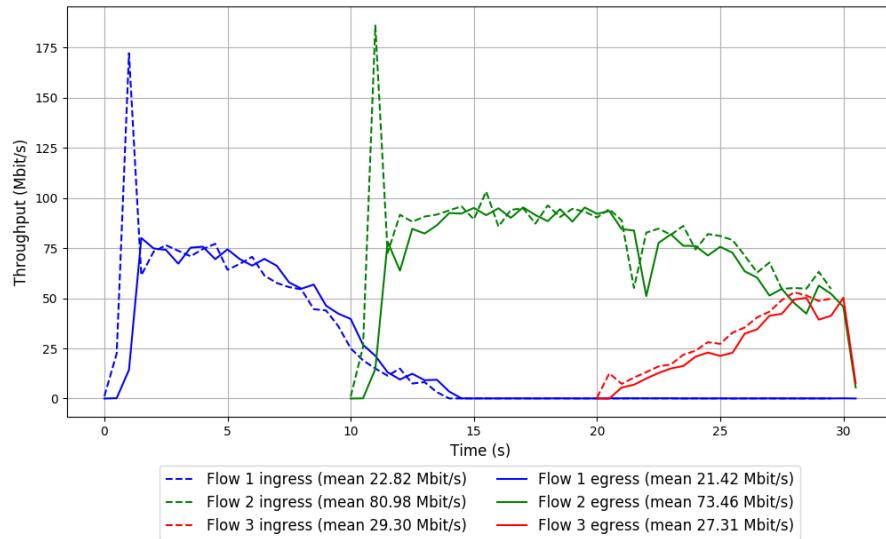


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-11-30 08:51:08
End at: 2018-11-30 08:51:38
Local clock offset: -6.918 ms
Remote clock offset: -65.403 ms

# Below is generated by plot.py at 2018-11-30 09:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 108.940 ms
Loss rate: 8.08%
-- Flow 1:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 114.765 ms
Loss rate: 6.06%
-- Flow 2:
Average throughput: 73.46 Mbit/s
95th percentile per-packet one-way delay: 108.931 ms
Loss rate: 9.16%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 107.454 ms
Loss rate: 6.78%
```

Run 5: Report of FillP-Sheep — Data Link

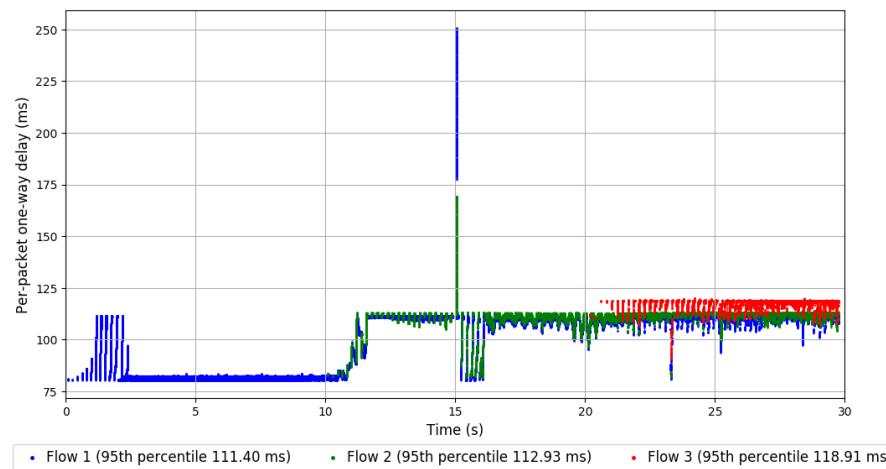
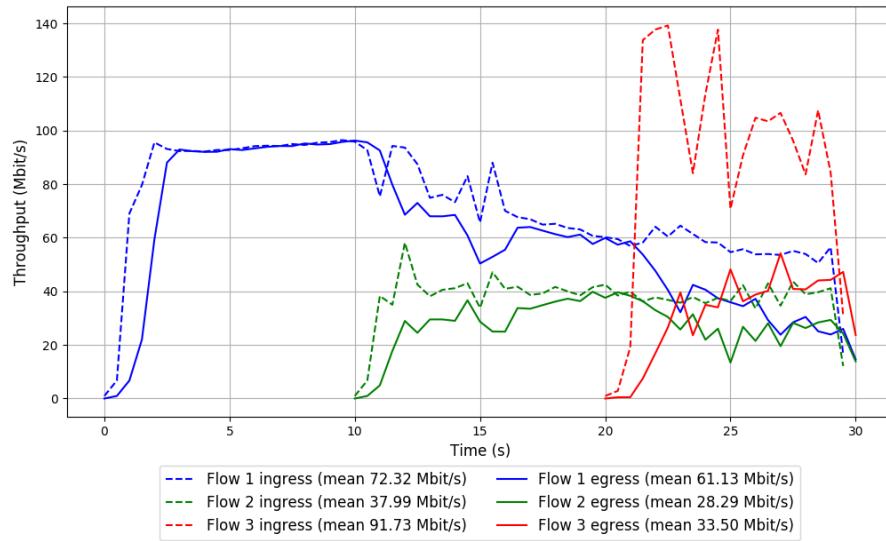


Run 1: Statistics of Indigo

```
Start at: 2018-11-30 07:24:32
End at: 2018-11-30 07:25:02
Local clock offset: -6.657 ms
Remote clock offset: -41.223 ms

# Below is generated by plot.py at 2018-11-30 09:19:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 118.683 ms
Loss rate: 28.60%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 111.404 ms
Loss rate: 15.39%
-- Flow 2:
Average throughput: 28.29 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 25.42%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 118.906 ms
Loss rate: 63.48%
```

Run 1: Report of Indigo — Data Link

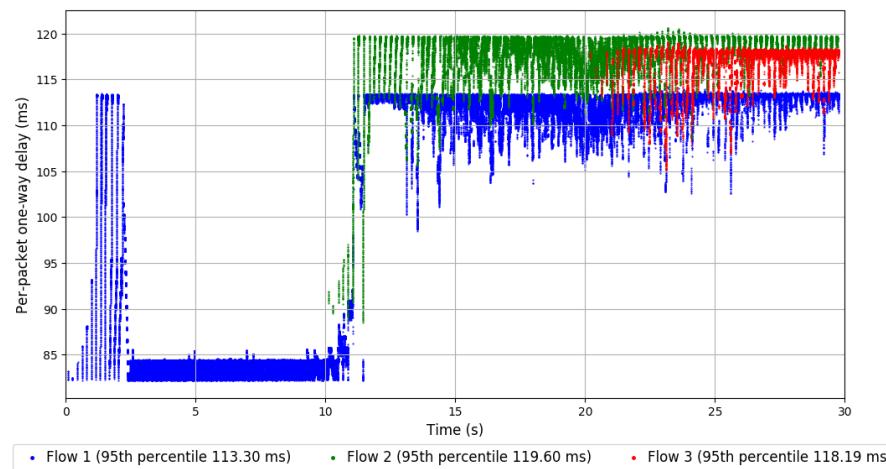
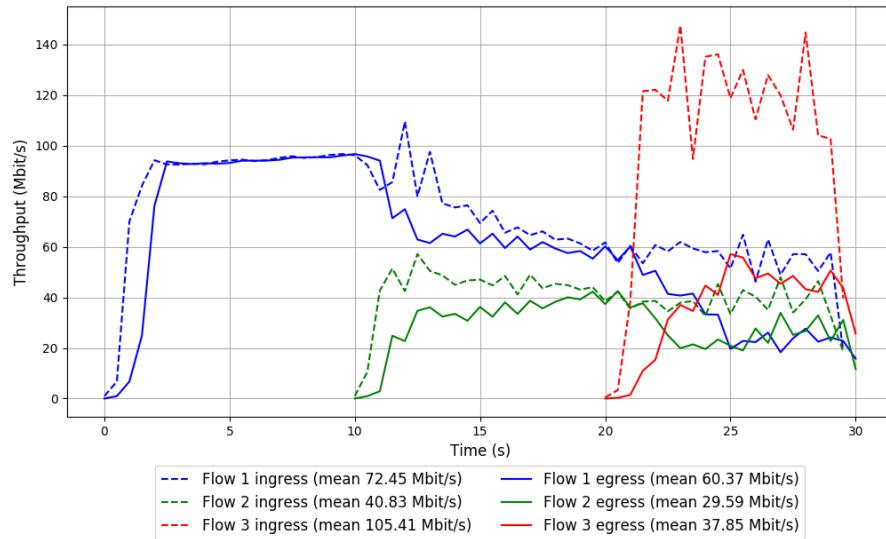


Run 2: Statistics of Indigo

```
Start at: 2018-11-30 07:48:54
End at: 2018-11-30 07:49:24
Local clock offset: -7.25 ms
Remote clock offset: -47.535 ms

# Below is generated by plot.py at 2018-11-30 09:19:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 119.398 ms
Loss rate: 30.90%
-- Flow 1:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 113.301 ms
Loss rate: 16.59%
-- Flow 2:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 119.601 ms
Loss rate: 27.43%
-- Flow 3:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 118.189 ms
Loss rate: 64.10%
```

Run 2: Report of Indigo — Data Link

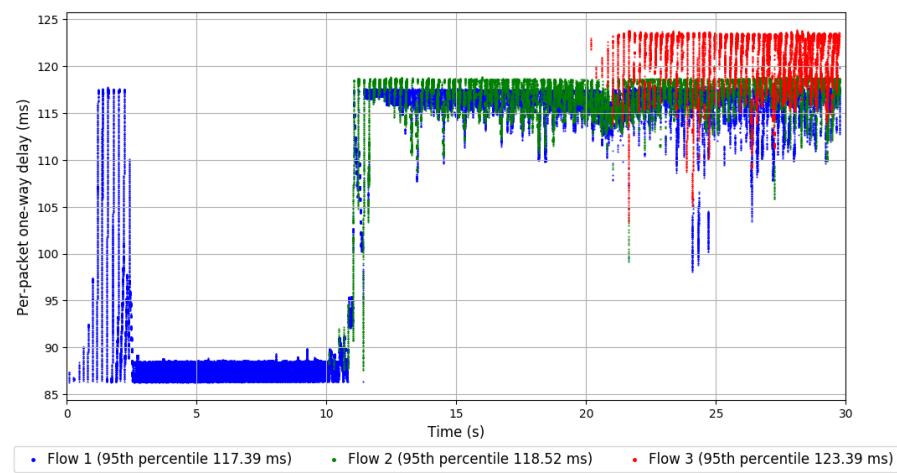
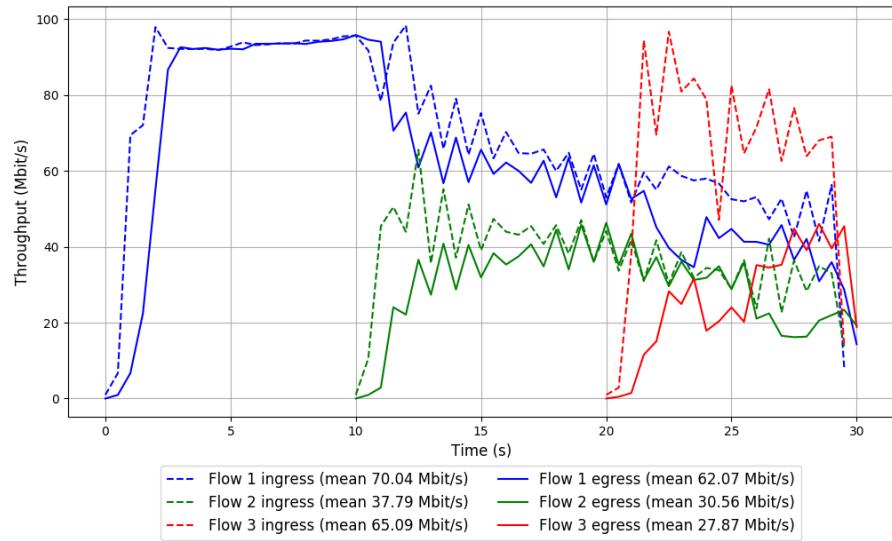


Run 3: Statistics of Indigo

```
Start at: 2018-11-30 08:13:03
End at: 2018-11-30 08:13:33
Local clock offset: -7.951 ms
Remote clock offset: -50.306 ms

# Below is generated by plot.py at 2018-11-30 09:19:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 121.491 ms
Loss rate: 21.26%
-- Flow 1:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 117.386 ms
Loss rate: 11.29%
-- Flow 2:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 118.517 ms
Loss rate: 19.00%
-- Flow 3:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 123.389 ms
Loss rate: 57.17%
```

Run 3: Report of Indigo — Data Link

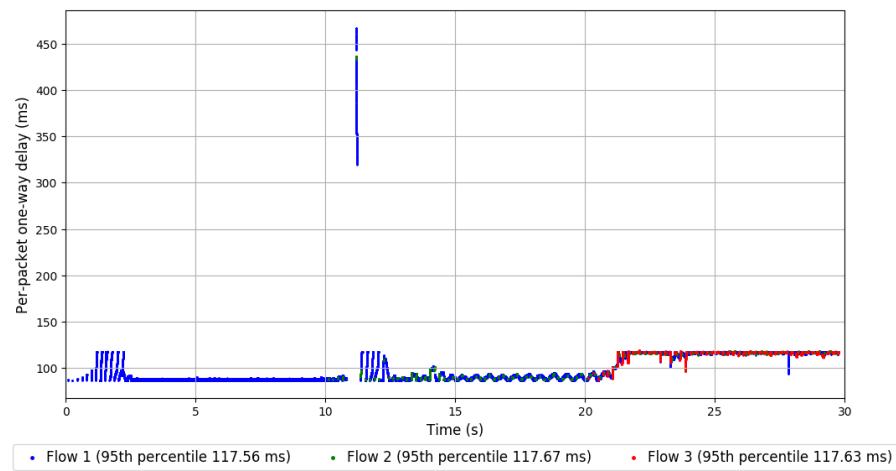
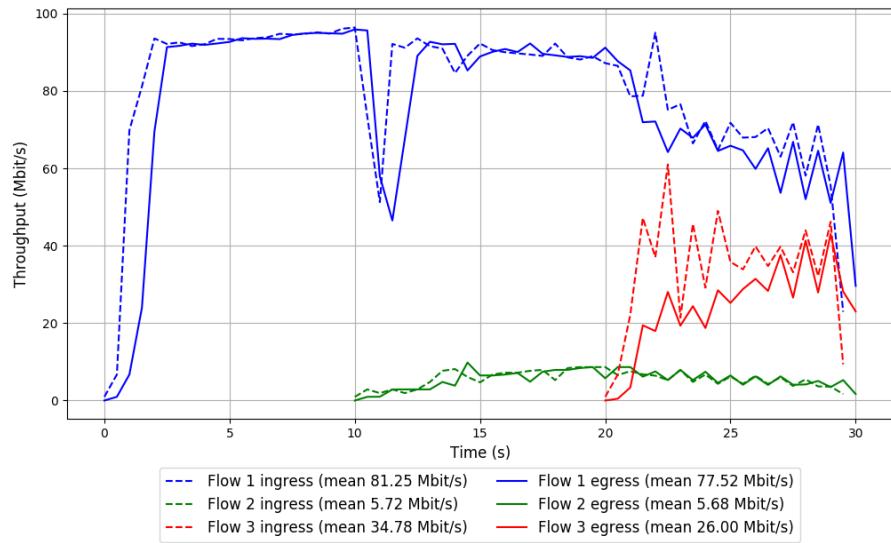


Run 4: Statistics of Indigo

```
Start at: 2018-11-30 08:37:07
End at: 2018-11-30 08:37:37
Local clock offset: -7.892 ms
Remote clock offset: -56.524 ms

# Below is generated by plot.py at 2018-11-30 09:19:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 117.570 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 117.559 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 117.668 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 117.629 ms
Loss rate: 25.03%
```

Run 4: Report of Indigo — Data Link

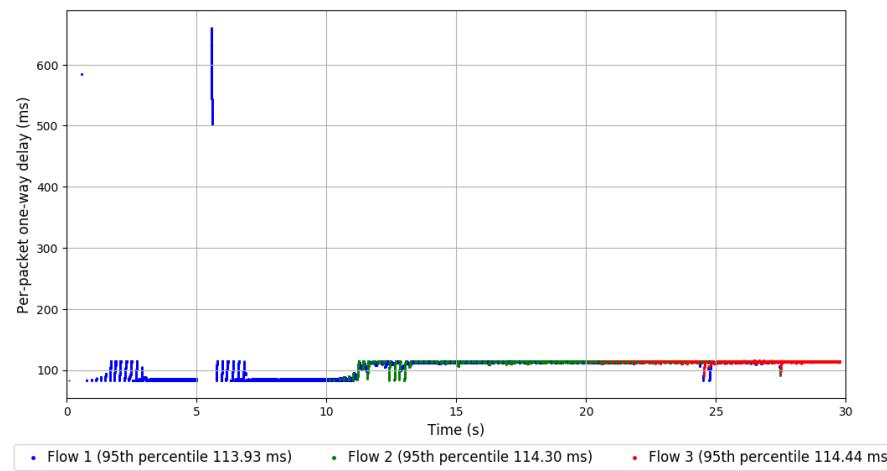
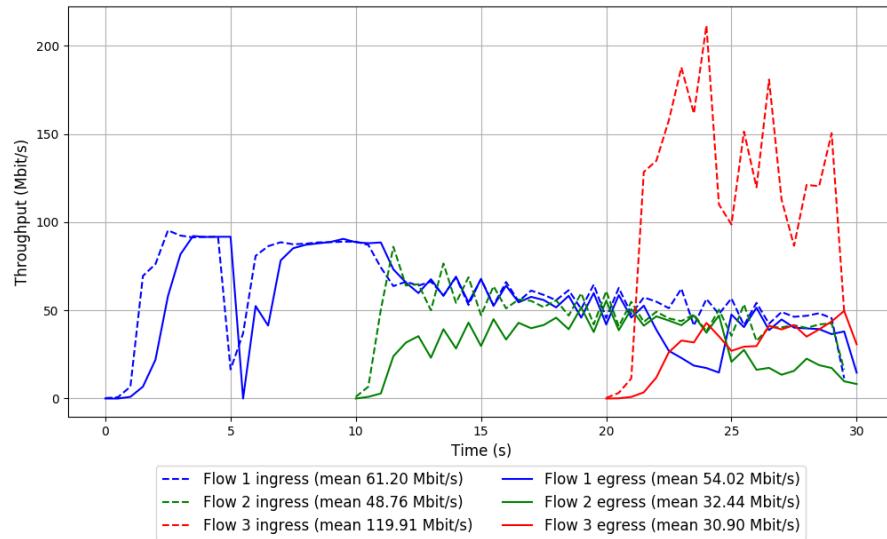


Run 5: Statistics of Indigo

```
Start at: 2018-11-30 09:01:14
End at: 2018-11-30 09:01:44
Local clock offset: -7.492 ms
Remote clock offset: -66.885 ms

# Below is generated by plot.py at 2018-11-30 09:20:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 114.311 ms
Loss rate: 35.31%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 113.930 ms
Loss rate: 11.64%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 114.298 ms
Loss rate: 33.37%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 114.440 ms
Loss rate: 74.23%
```

Run 5: Report of Indigo — Data Link

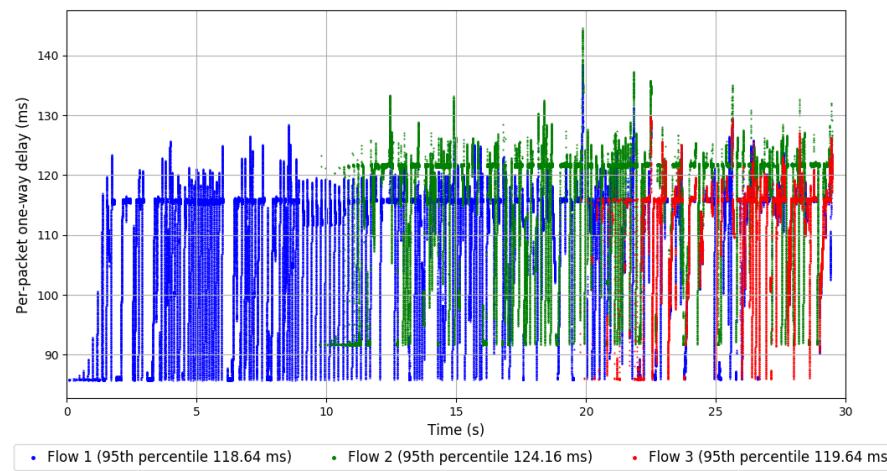
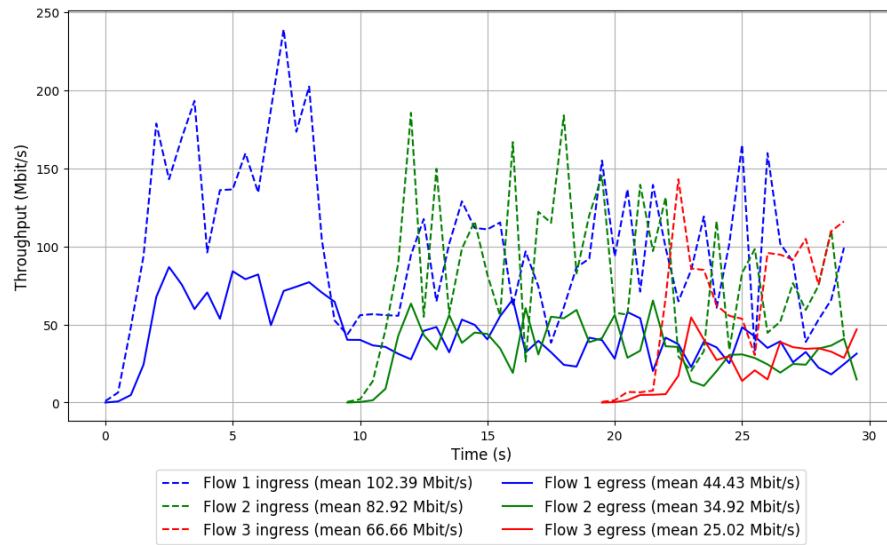


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-11-30 07:20:37
End at: 2018-11-30 07:21:07
Local clock offset: -7.041 ms
Remote clock offset: -36.252 ms

# Below is generated by plot.py at 2018-11-30 09:20:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 121.869 ms
Loss rate: 57.66%
-- Flow 1:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 118.635 ms
Loss rate: 56.56%
-- Flow 2:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 124.163 ms
Loss rate: 57.82%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 119.641 ms
Loss rate: 62.38%
```

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

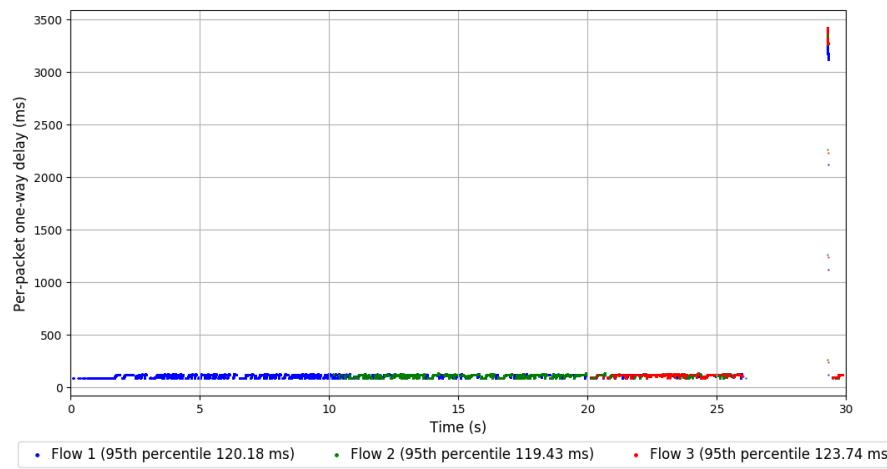
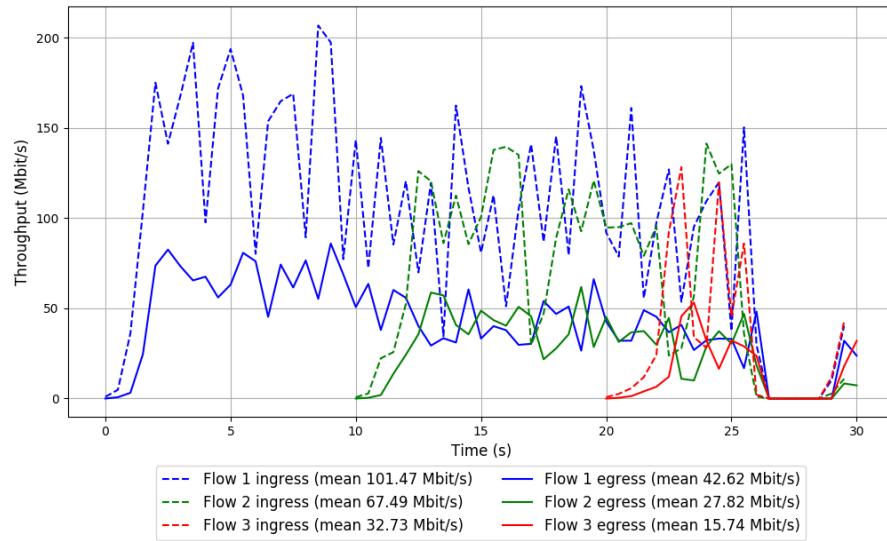


Run 2: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 07:44:59
End at: 2018-11-30 07:45:29
Local clock offset: -6.933 ms
Remote clock offset: -42.931 ms

# Below is generated by plot.py at 2018-11-30 09:20:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 120.192 ms
Loss rate: 57.77%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 120.178 ms
Loss rate: 57.95%
-- Flow 2:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 119.428 ms
Loss rate: 58.78%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 123.743 ms
Loss rate: 51.79%
```

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

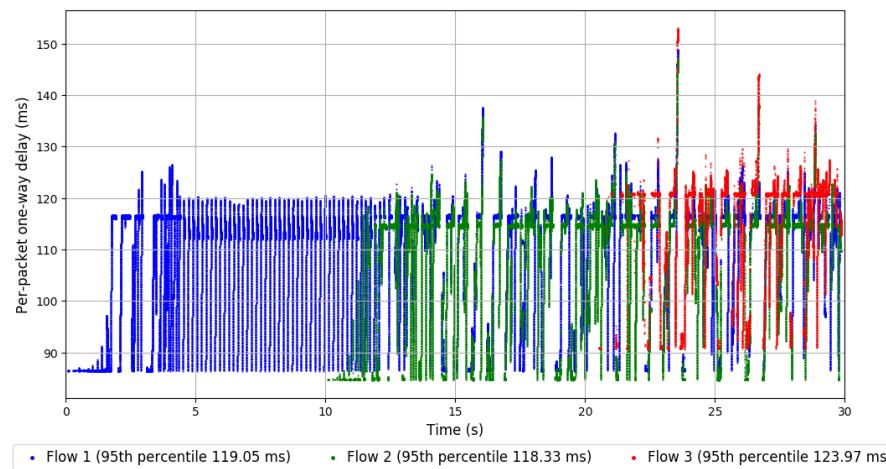
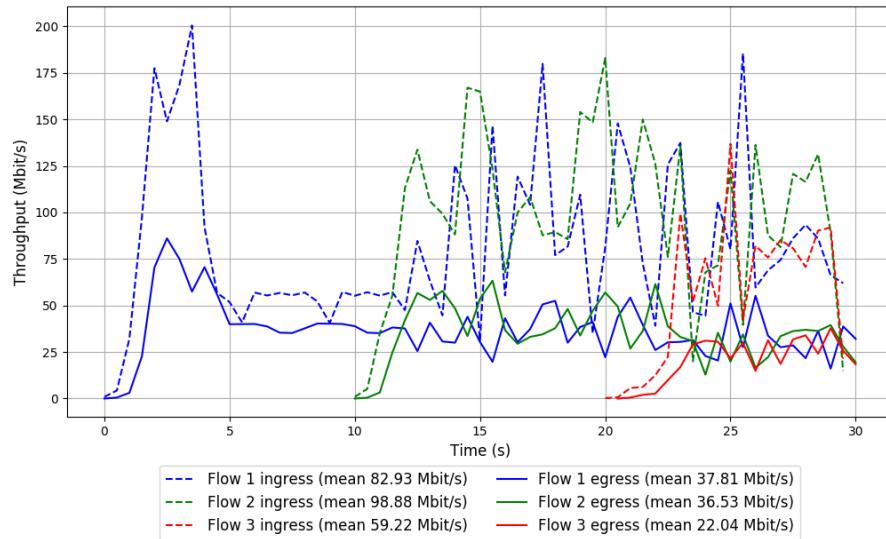


Run 3: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 08:09:14
End at: 2018-11-30 08:09:44
Local clock offset: -7.869 ms
Remote clock offset: -49.256 ms

# Below is generated by plot.py at 2018-11-30 09:20:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.89 Mbit/s
95th percentile per-packet one-way delay: 120.861 ms
Loss rate: 58.68%
-- Flow 1:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 119.054 ms
Loss rate: 54.36%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 118.329 ms
Loss rate: 63.01%
-- Flow 3:
Average throughput: 22.04 Mbit/s
95th percentile per-packet one-way delay: 123.965 ms
Loss rate: 62.72%
```

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

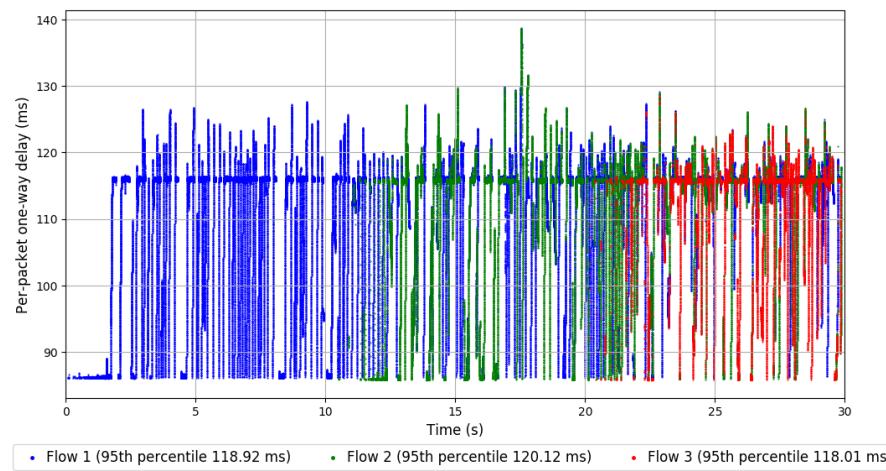
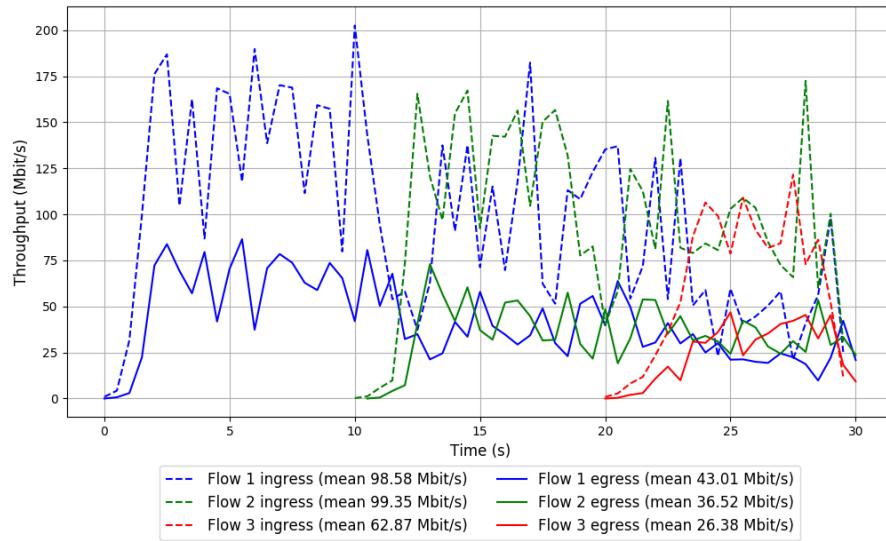


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 08:33:17
End at: 2018-11-30 08:33:47
Local clock offset: -7.92 ms
Remote clock offset: -54.554 ms

# Below is generated by plot.py at 2018-11-30 09:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 119.185 ms
Loss rate: 58.92%
-- Flow 1:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 118.925 ms
Loss rate: 56.32%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 120.119 ms
Loss rate: 63.18%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 118.013 ms
Loss rate: 58.03%
```

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

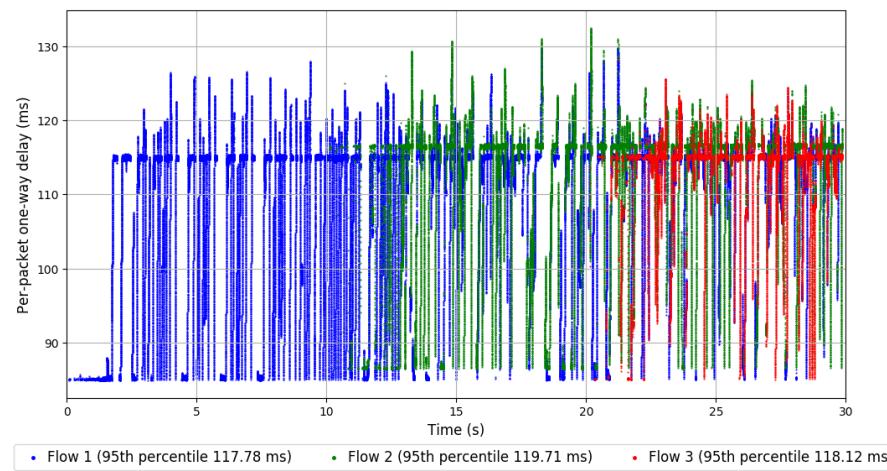
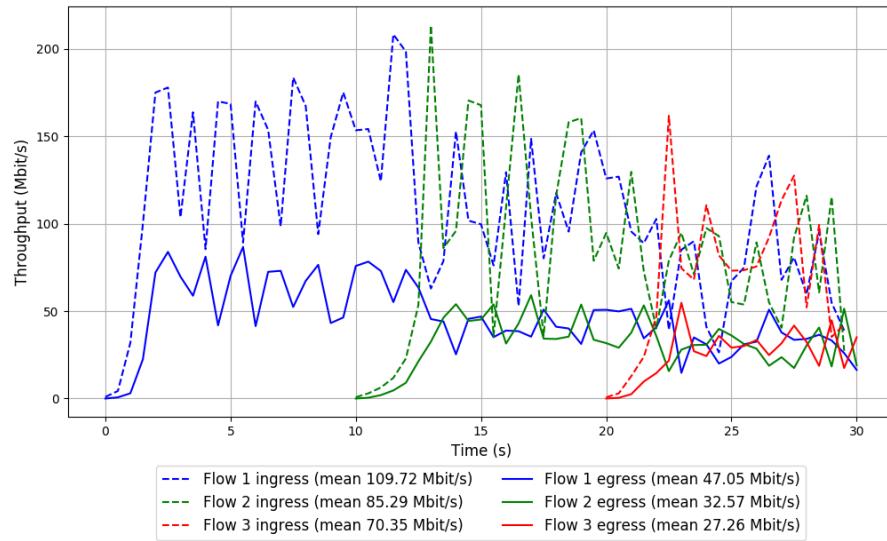


```
Run 5: Statistics of Indigo-96d2da3
```

```
Start at: 2018-11-30 08:57:24
End at: 2018-11-30 08:57:54
Local clock offset: -7.479 ms
Remote clock offset: -62.033 ms

# Below is generated by plot.py at 2018-11-30 09:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.35 Mbit/s
95th percentile per-packet one-way delay: 118.500 ms
Loss rate: 59.00%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 117.784 ms
Loss rate: 57.07%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 119.708 ms
Loss rate: 61.81%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 118.124 ms
Loss rate: 61.26%
```

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

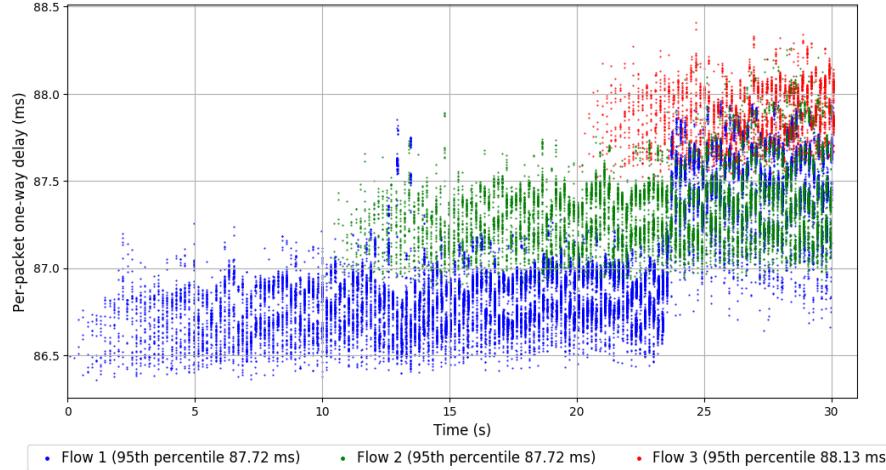
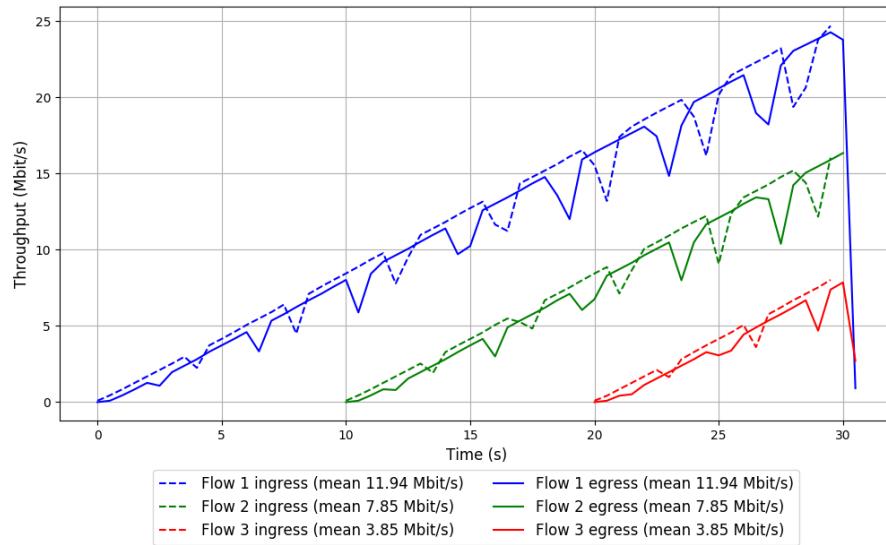


Run 1: Statistics of LEDBAT

```
Start at: 2018-11-30 07:34:55
End at: 2018-11-30 07:35:25
Local clock offset: -7.039 ms
Remote clock offset: -40.166 ms

# Below is generated by plot.py at 2018-11-30 09:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 87.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 87.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 87.718 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 88.132 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

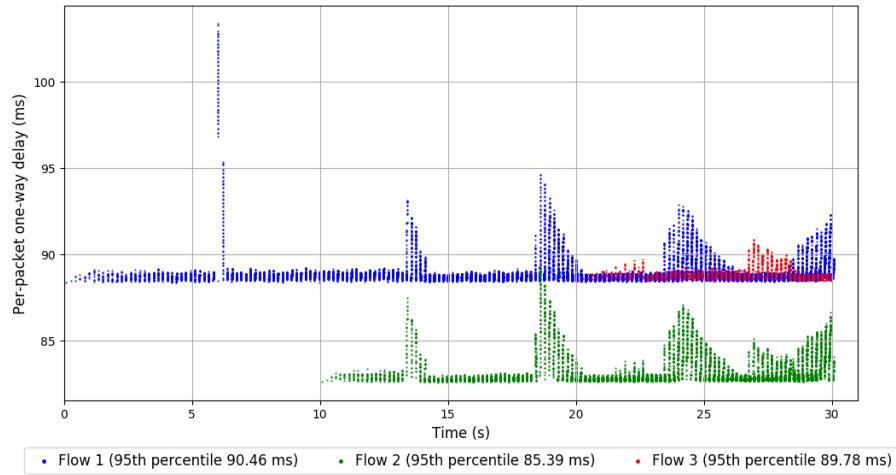
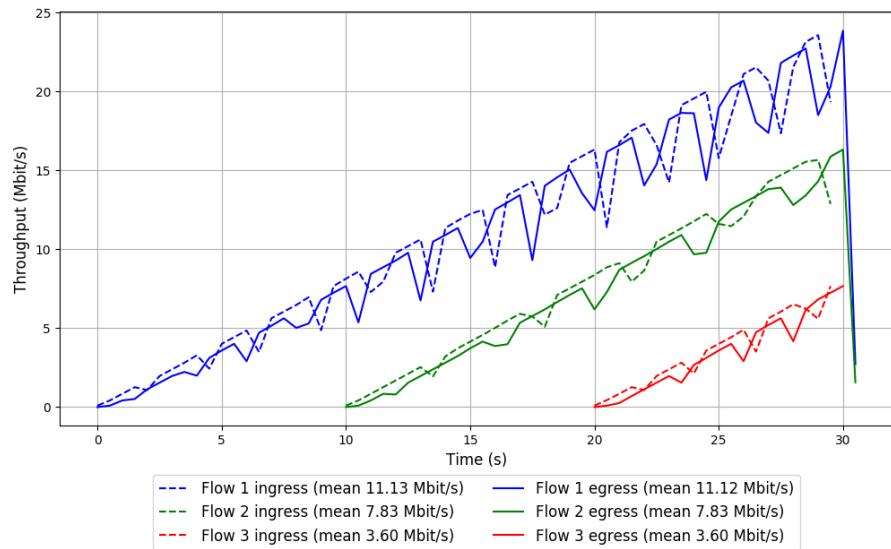


Run 2: Statistics of LEDBAT

```
Start at: 2018-11-30 07:59:08
End at: 2018-11-30 07:59:38
Local clock offset: -7.614 ms
Remote clock offset: -50.323 ms

# Below is generated by plot.py at 2018-11-30 09:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 89.984 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 90.458 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 85.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 89.777 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

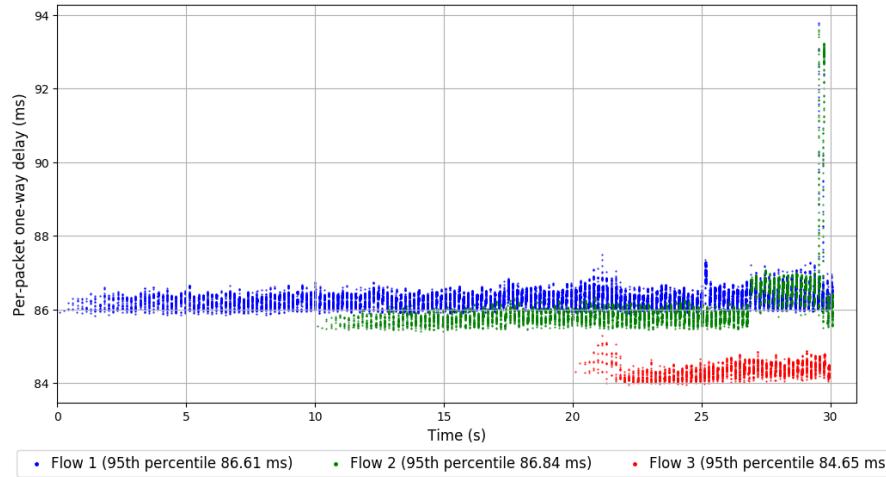
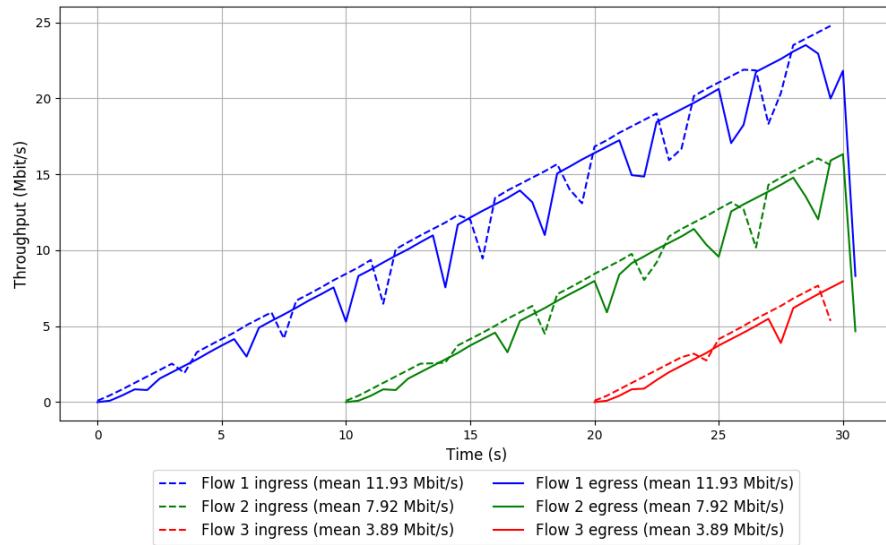


Run 3: Statistics of LEDBAT

```
Start at: 2018-11-30 08:23:17
End at: 2018-11-30 08:23:47
Local clock offset: -7.085 ms
Remote clock offset: -53.173 ms

# Below is generated by plot.py at 2018-11-30 09:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 86.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 86.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 84.654 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

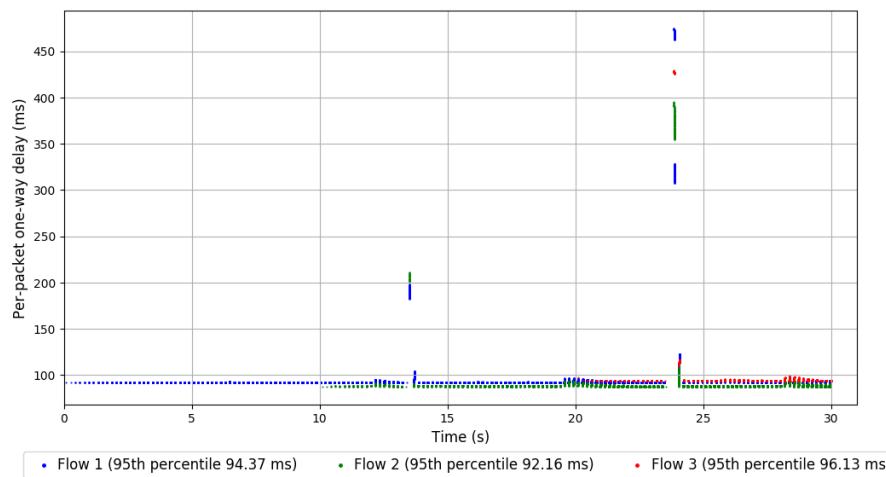
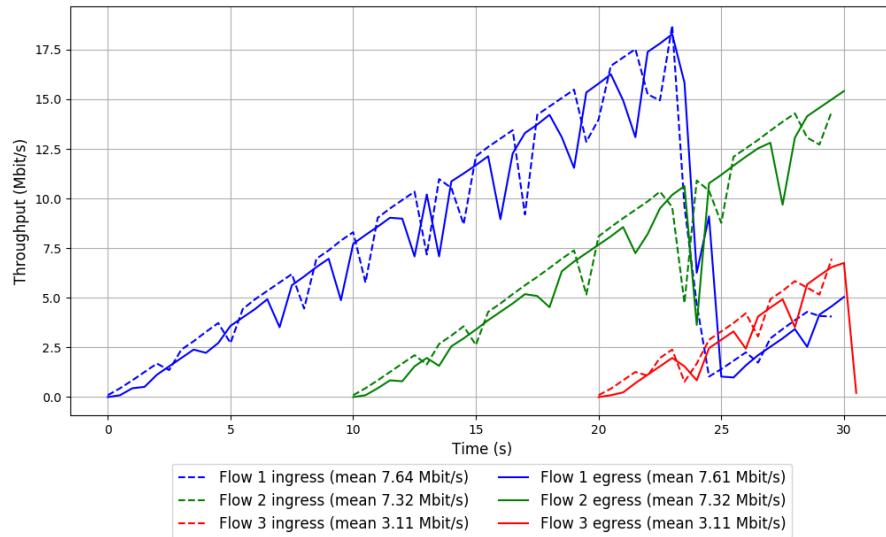


Run 4: Statistics of LEDBAT

```
Start at: 2018-11-30 08:47:23
End at: 2018-11-30 08:47:53
Local clock offset: -7.826 ms
Remote clock offset: -58.317 ms

# Below is generated by plot.py at 2018-11-30 09:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 94.375 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 94.371 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 92.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 96.127 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

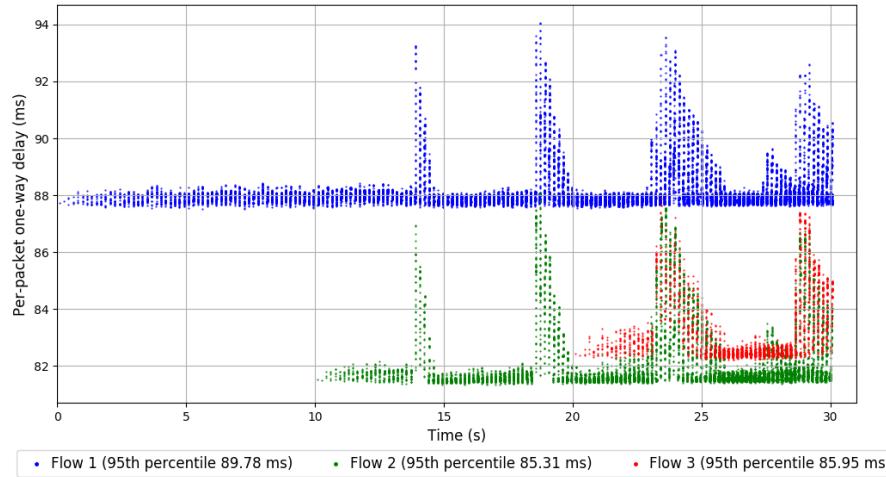
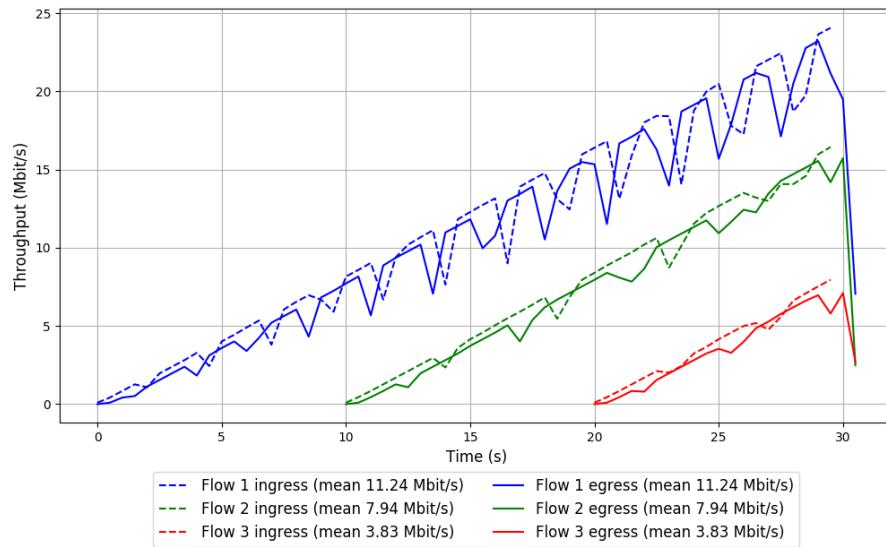


Run 5: Statistics of LEDBAT

```
Start at: 2018-11-30 09:11:29
End at: 2018-11-30 09:11:59
Local clock offset: -6.607 ms
Remote clock offset: -69.733 ms

# Below is generated by plot.py at 2018-11-30 09:21:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 89.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 89.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 85.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 85.948 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

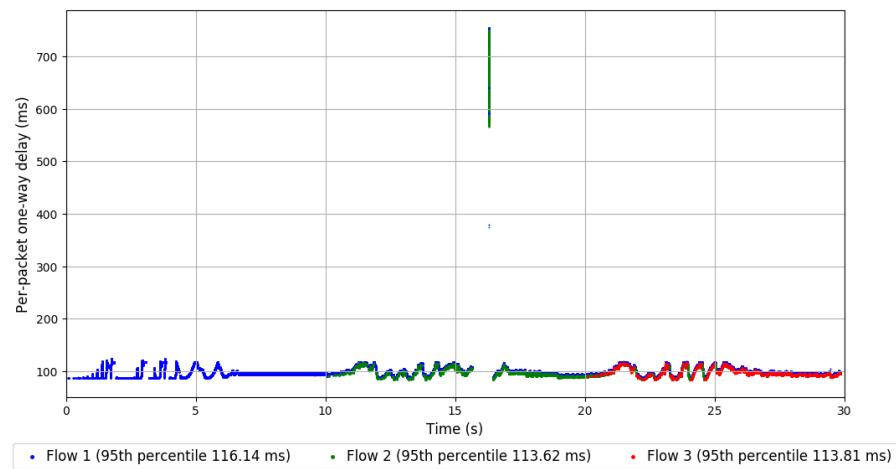
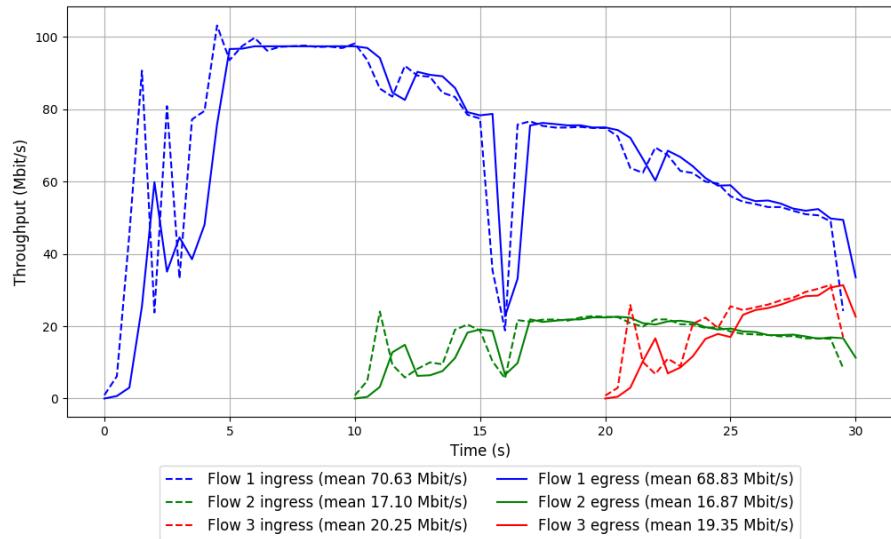


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-11-30 07:29:39
End at: 2018-11-30 07:30:09
Local clock offset: -6.342 ms
Remote clock offset: -38.919 ms

# Below is generated by plot.py at 2018-11-30 09:21:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 115.337 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 116.139 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 113.622 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 113.810 ms
Loss rate: 4.38%
```

Run 1: Report of Indigo-Muses — Data Link

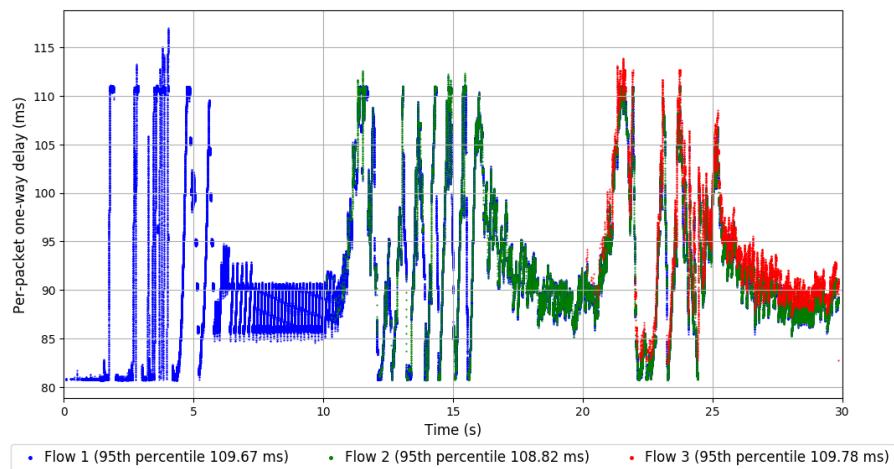
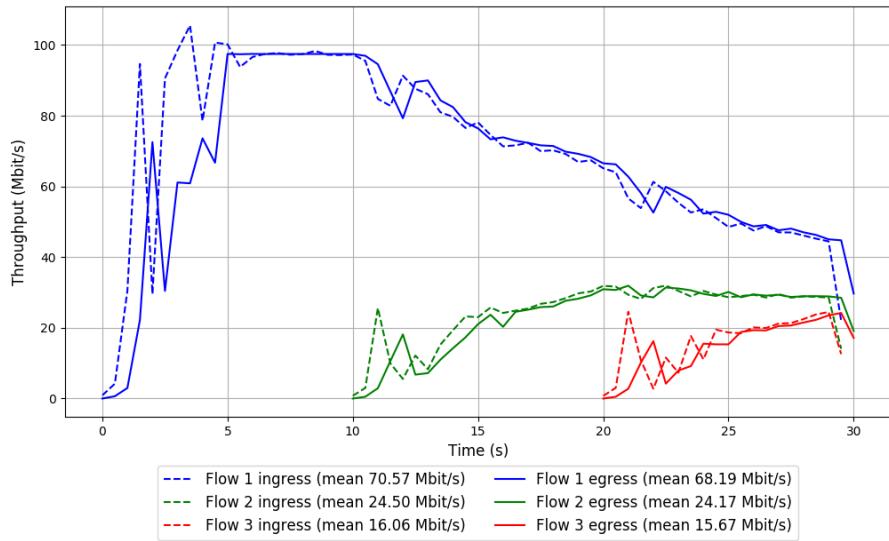


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-11-30 07:54:01
End at: 2018-11-30 07:54:31
Local clock offset: -7.431 ms
Remote clock offset: -49.291 ms

# Below is generated by plot.py at 2018-11-30 09:21:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 109.450 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 109.665 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 108.820 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 109.775 ms
Loss rate: 2.52%
```

Run 2: Report of Indigo-Muses — Data Link

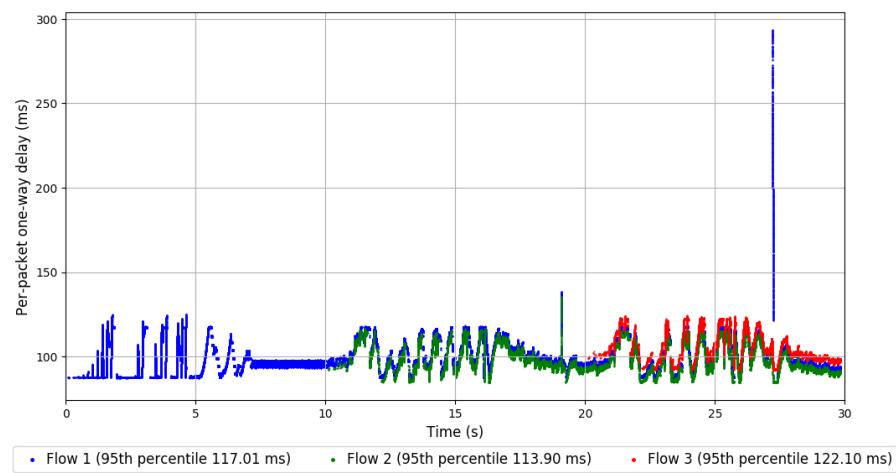
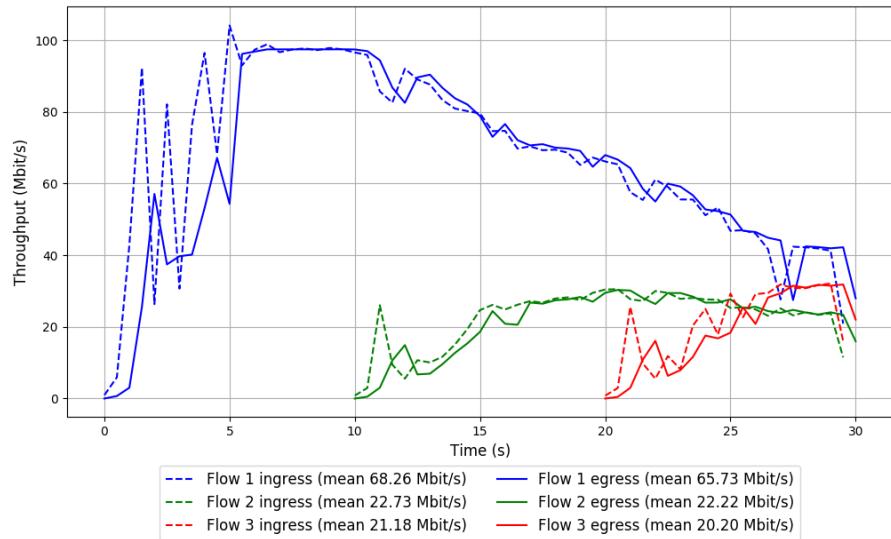


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-11-30 08:18:09
End at: 2018-11-30 08:18:39
Local clock offset: -7.92 ms
Remote clock offset: -51.722 ms

# Below is generated by plot.py at 2018-11-30 09:21:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 117.115 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 117.010 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 113.901 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 122.099 ms
Loss rate: 4.71%
```

Run 3: Report of Indigo-Muses — Data Link

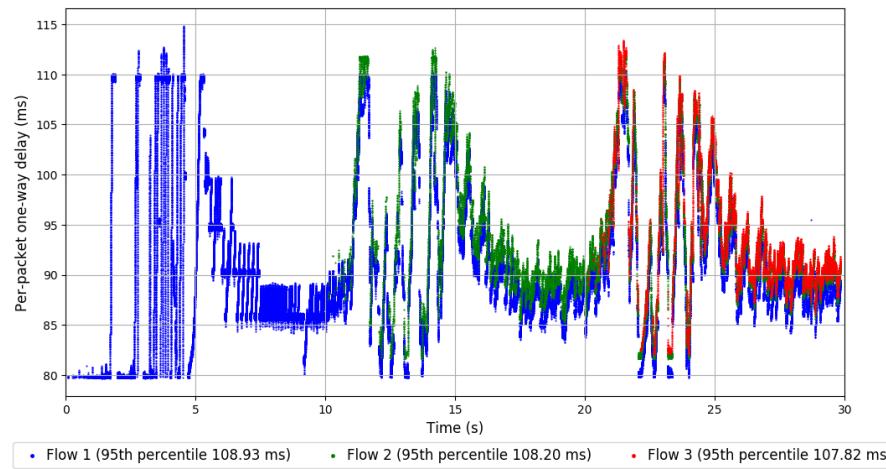
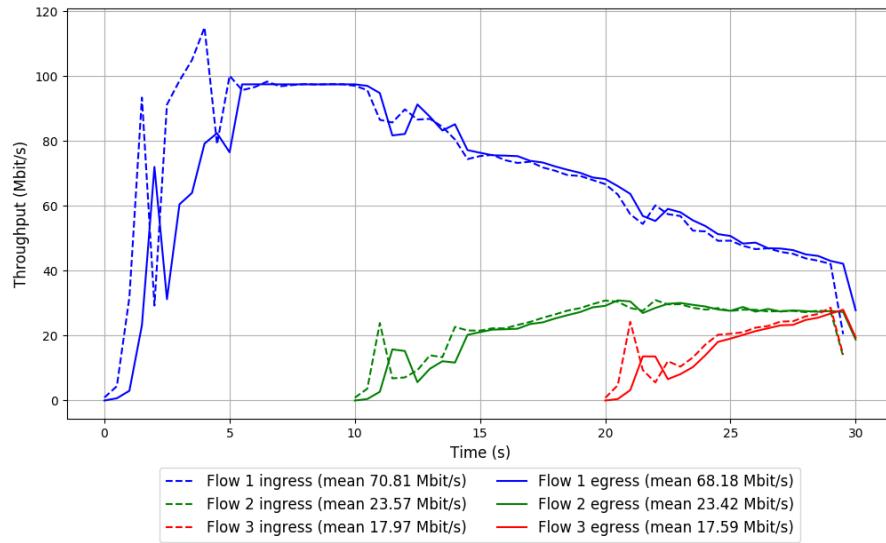


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-11-30 08:42:14
End at: 2018-11-30 08:42:44
Local clock offset: -7.203 ms
Remote clock offset: -62.089 ms

# Below is generated by plot.py at 2018-11-30 09:21:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 108.711 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 68.18 Mbit/s
95th percentile per-packet one-way delay: 108.930 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 108.196 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 17.59 Mbit/s
95th percentile per-packet one-way delay: 107.819 ms
Loss rate: 2.08%
```

Run 4: Report of Indigo-Muses — Data Link

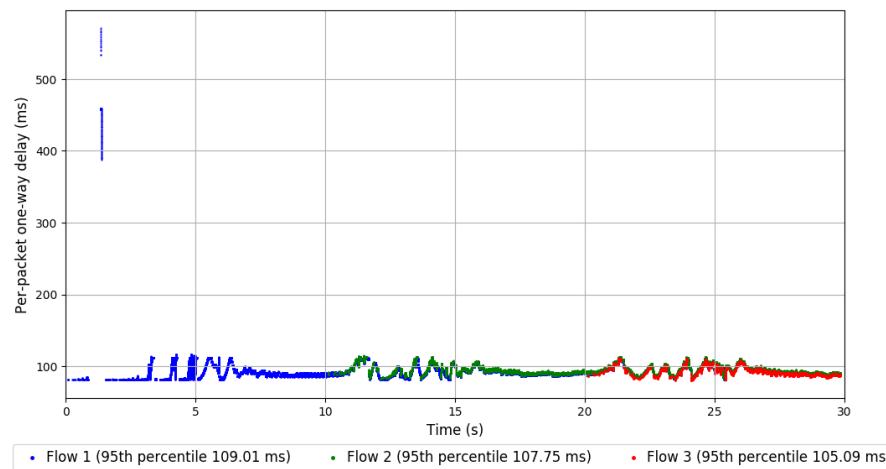
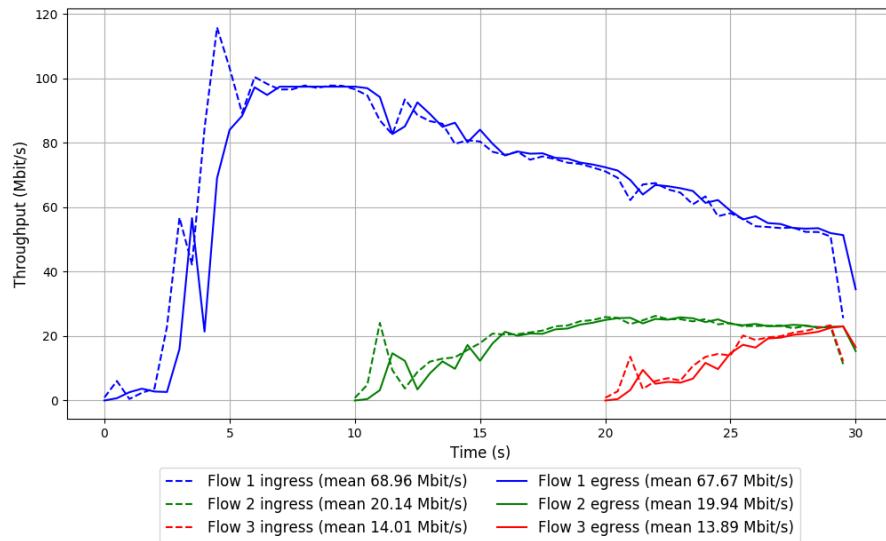


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-11-30 09:06:20
End at: 2018-11-30 09:06:50
Local clock offset: -6.617 ms
Remote clock offset: -68.355 ms

# Below is generated by plot.py at 2018-11-30 09:21:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 108.645 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 109.006 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 107.748 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 105.095 ms
Loss rate: 0.86%
```

Run 5: Report of Indigo-Muses — Data Link

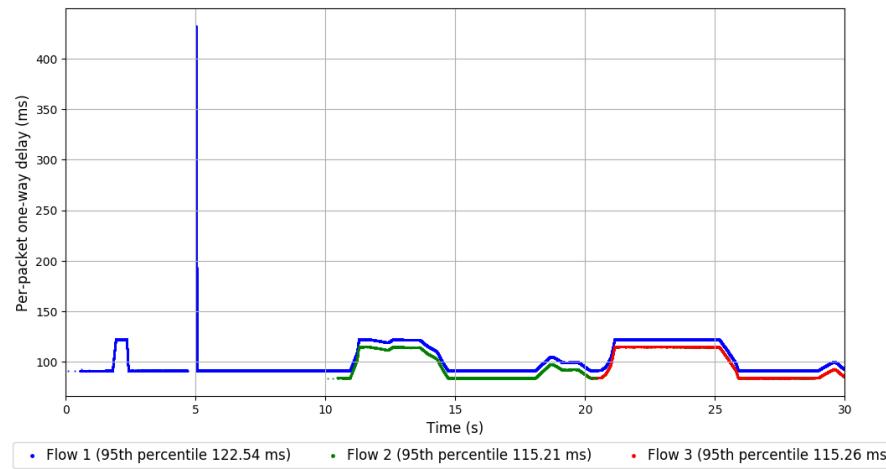
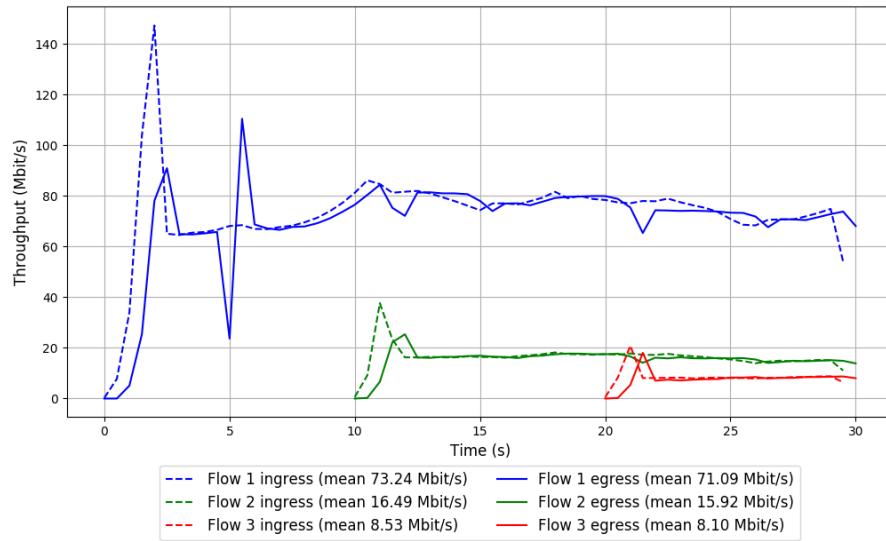


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-11-30 07:25:52
End at: 2018-11-30 07:26:22
Local clock offset: -6.534 ms
Remote clock offset: -37.707 ms

# Below is generated by plot.py at 2018-11-30 09:21:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 122.525 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 122.542 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 115.208 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 115.257 ms
Loss rate: 5.07%
```

Run 1: Report of PCC-Allegro — Data Link

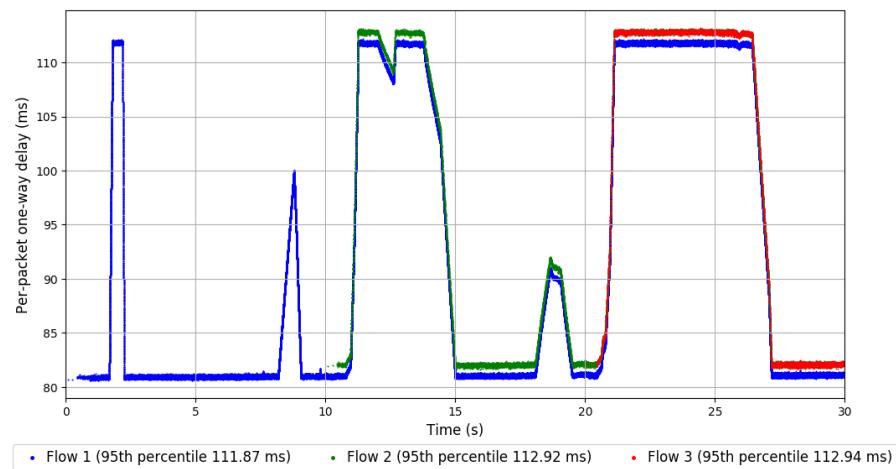
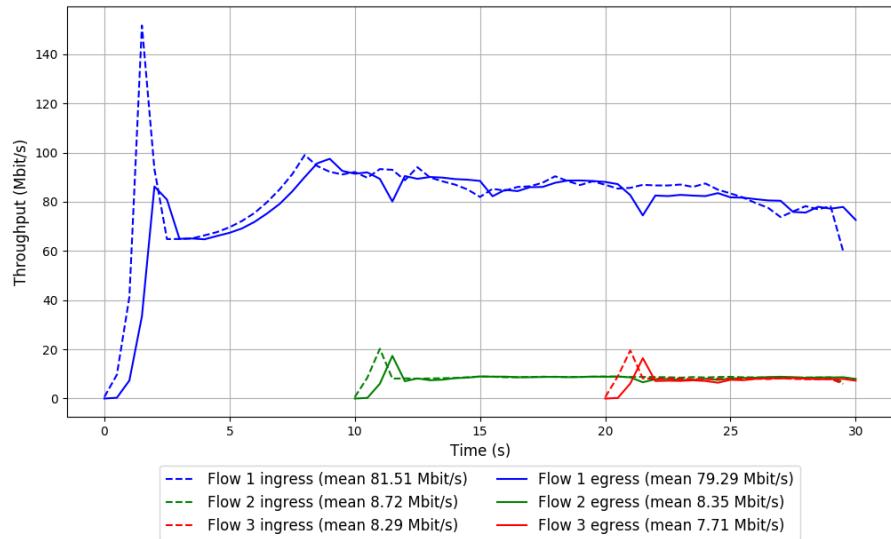


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-11-30 07:50:14
End at: 2018-11-30 07:50:44
Local clock offset: -6.516 ms
Remote clock offset: -47.95 ms

# Below is generated by plot.py at 2018-11-30 09:22:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 79.29 Mbit/s
95th percentile per-packet one-way delay: 111.867 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 112.921 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 112.945 ms
Loss rate: 7.00%
```

Run 2: Report of PCC-Allegro — Data Link

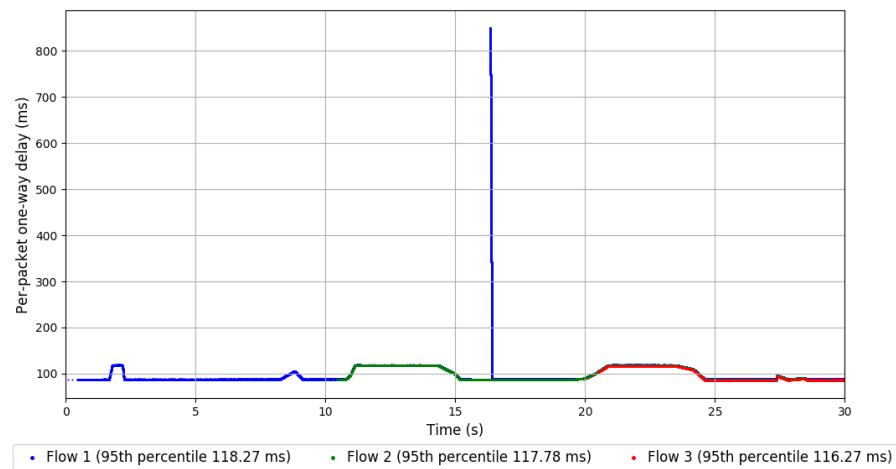
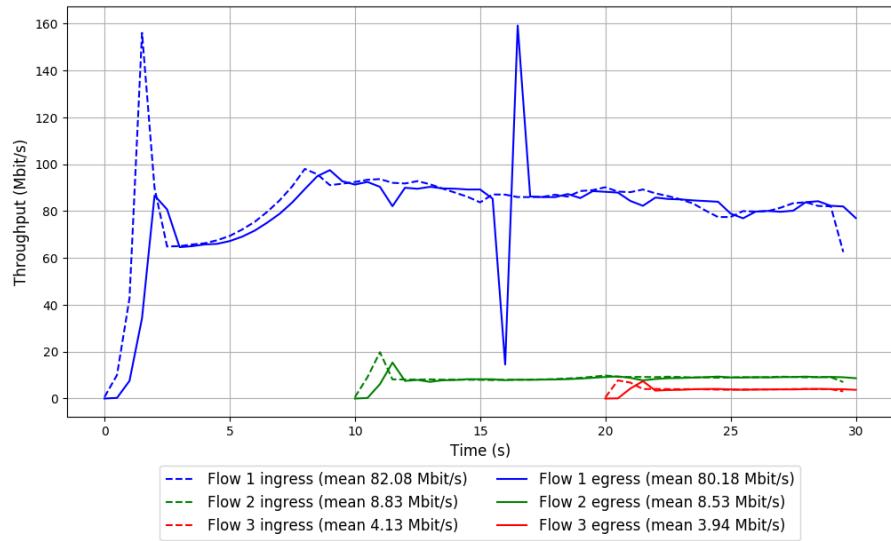


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-11-30 08:14:22
End at: 2018-11-30 08:14:52
Local clock offset: -7.285 ms
Remote clock offset: -49.626 ms

# Below is generated by plot.py at 2018-11-30 09:22:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 118.262 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 118.274 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 117.780 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 116.270 ms
Loss rate: 4.65%
```

Run 3: Report of PCC-Allegro — Data Link

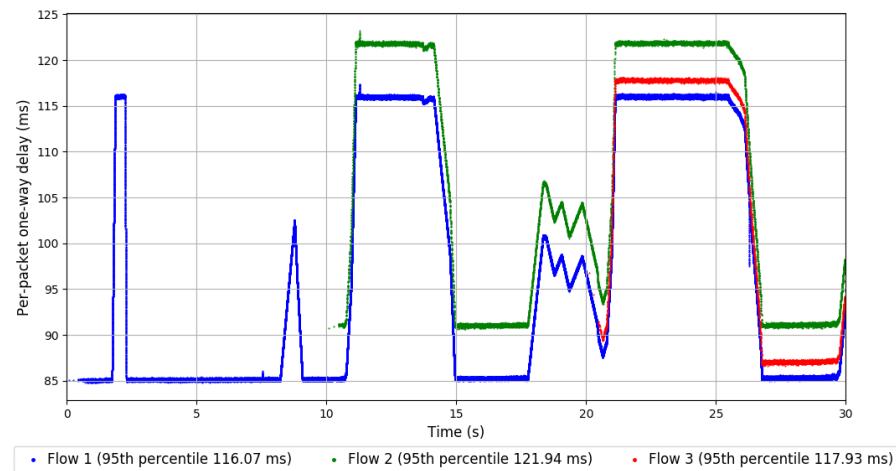
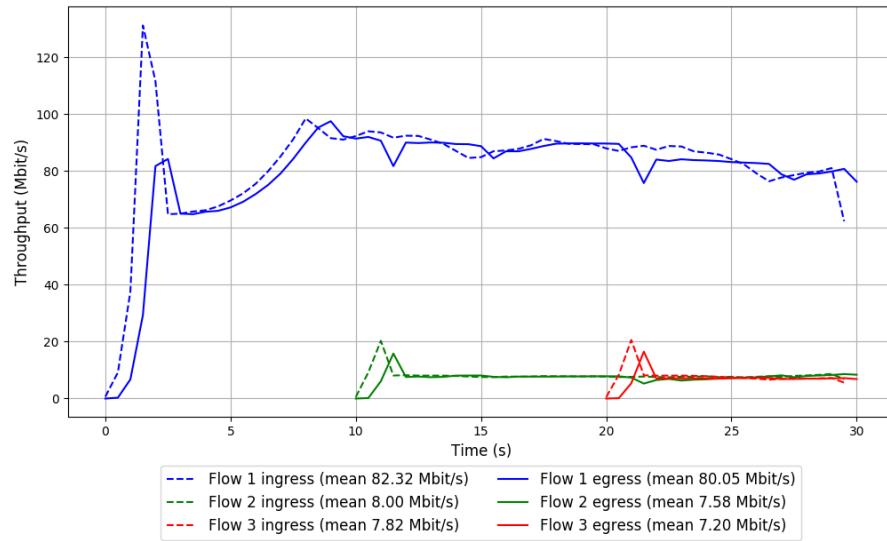


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-11-30 08:38:26
End at: 2018-11-30 08:38:56
Local clock offset: -7.158 ms
Remote clock offset: -55.875 ms

# Below is generated by plot.py at 2018-11-30 09:22:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 116.139 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 80.05 Mbit/s
95th percentile per-packet one-way delay: 116.066 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 121.940 ms
Loss rate: 5.19%
-- Flow 3:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 117.929 ms
Loss rate: 7.93%
```

Run 4: Report of PCC-Allegro — Data Link

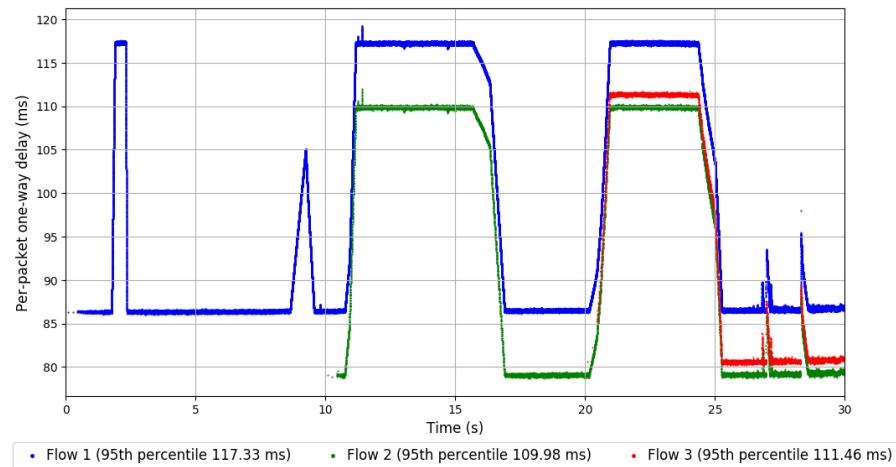
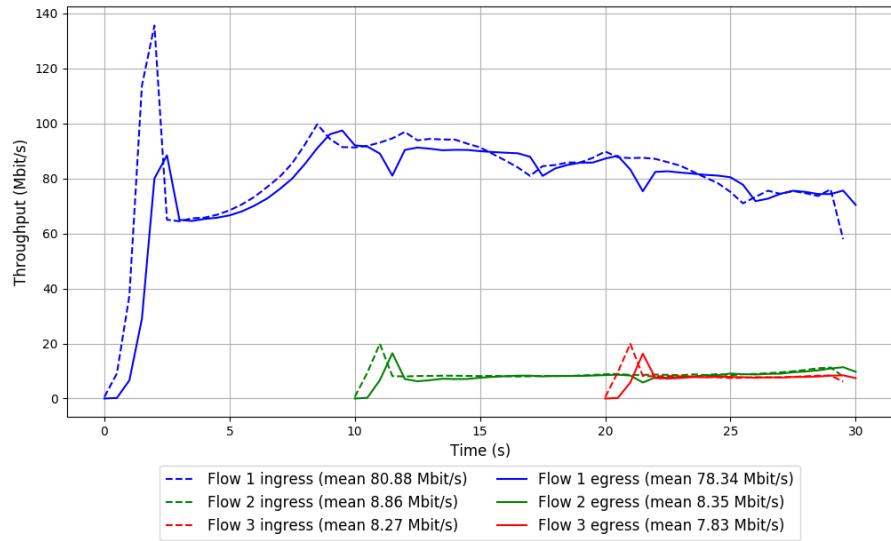


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-11-30 09:02:33
End at: 2018-11-30 09:03:03
Local clock offset: -6.653 ms
Remote clock offset: -68.676 ms

# Below is generated by plot.py at 2018-11-30 09:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 117.324 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 78.34 Mbit/s
95th percentile per-packet one-way delay: 117.331 ms
Loss rate: 3.16%
-- Flow 2:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 109.983 ms
Loss rate: 5.71%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 5.39%
```

Run 5: Report of PCC-Allegro — Data Link

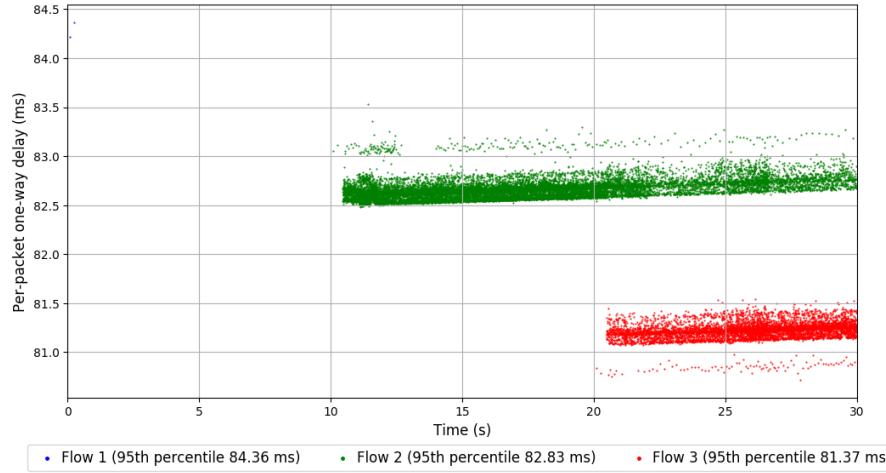
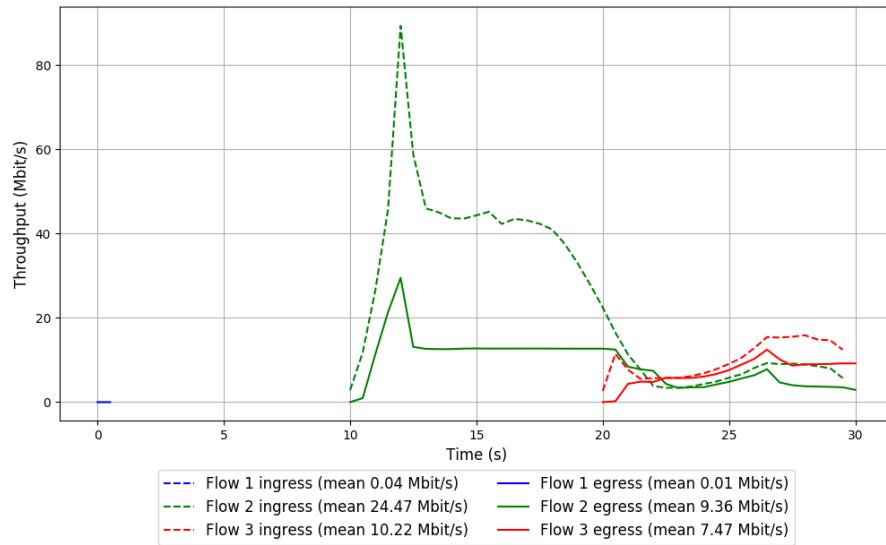


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-11-30 07:15:37
End at: 2018-11-30 07:16:07
Local clock offset: -8.718 ms
Remote clock offset: -38.973 ms

# Below is generated by plot.py at 2018-11-30 09:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 82.805 ms
Loss rate: 55.76%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 84.363 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 82.830 ms
Loss rate: 61.75%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 81.374 ms
Loss rate: 26.86%
```

Run 1: Report of PCC-Expr — Data Link

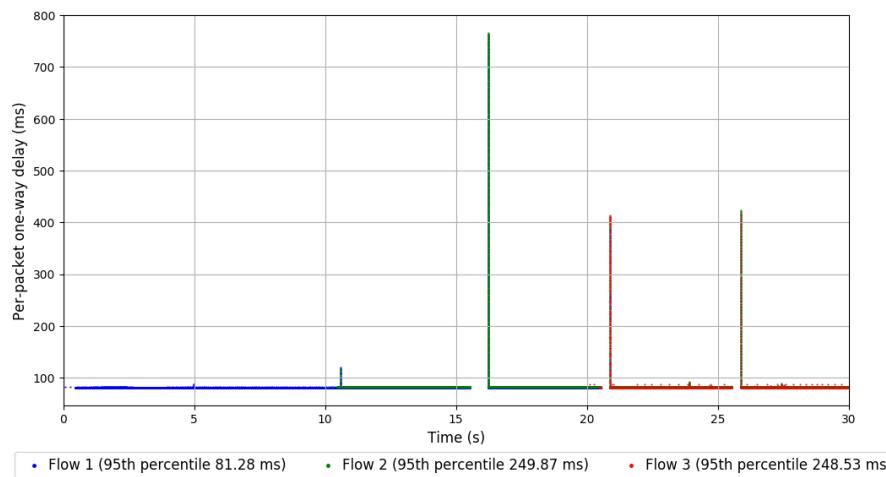
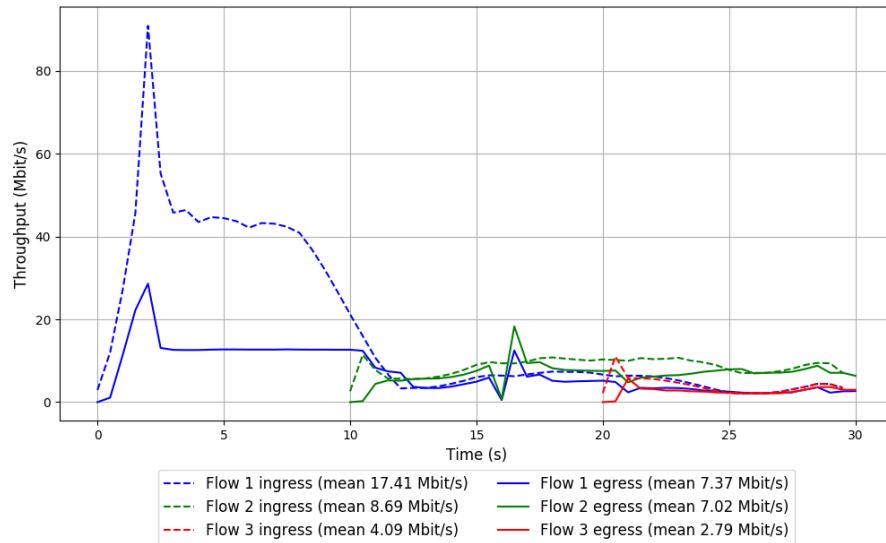


Run 2: Statistics of PCC-Expr

```
Start at: 2018-11-30 07:39:57
End at: 2018-11-30 07:40:27
Local clock offset: -6.987 ms
Remote clock offset: -45.438 ms

# Below is generated by plot.py at 2018-11-30 09:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 92.182 ms
Loss rate: 47.21%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 81.276 ms
Loss rate: 57.70%
-- Flow 2:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 249.871 ms
Loss rate: 19.16%
-- Flow 3:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 248.532 ms
Loss rate: 31.95%
```

Run 2: Report of PCC-Expr — Data Link

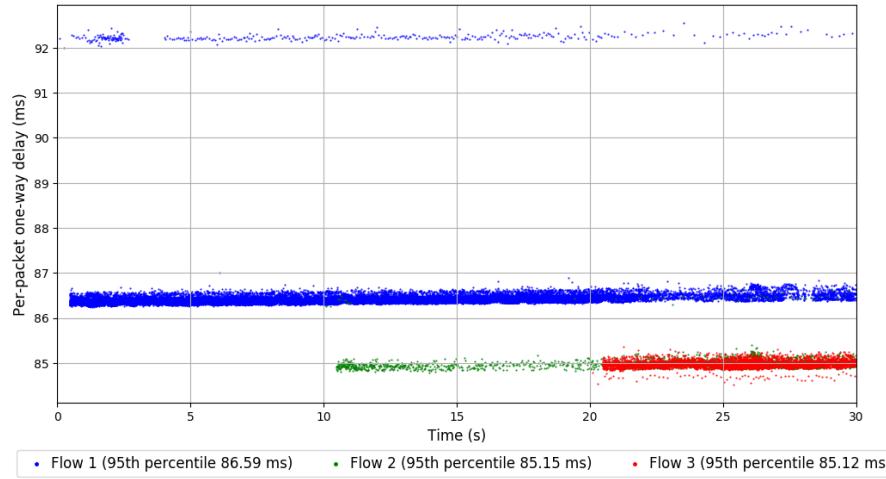
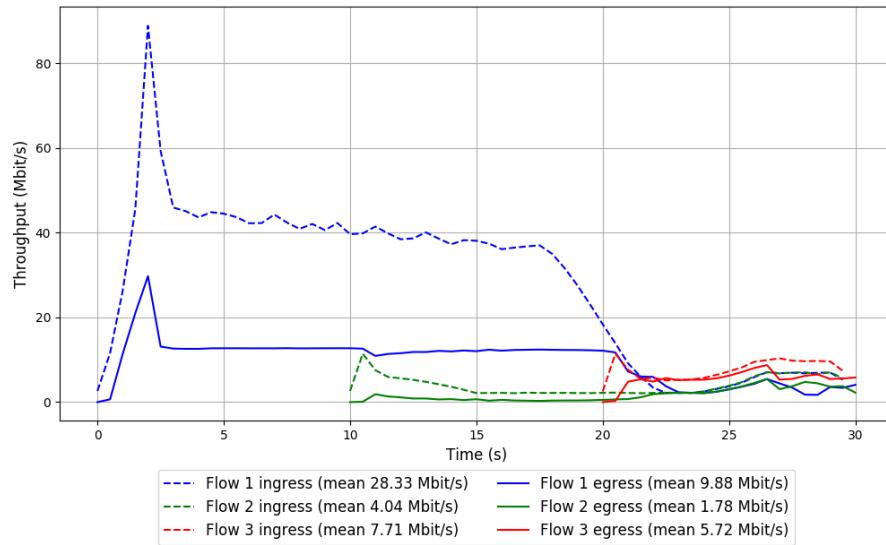


Run 3: Statistics of PCC-Expr

```
Start at: 2018-11-30 08:04:15
End at: 2018-11-30 08:04:45
Local clock offset: -7.753 ms
Remote clock offset: -47.972 ms

# Below is generated by plot.py at 2018-11-30 09:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 61.43%
-- Flow 1:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 86.590 ms
Loss rate: 65.15%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 85.152 ms
Loss rate: 55.98%
-- Flow 3:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 85.125 ms
Loss rate: 25.75%
```

Run 3: Report of PCC-Expr — Data Link

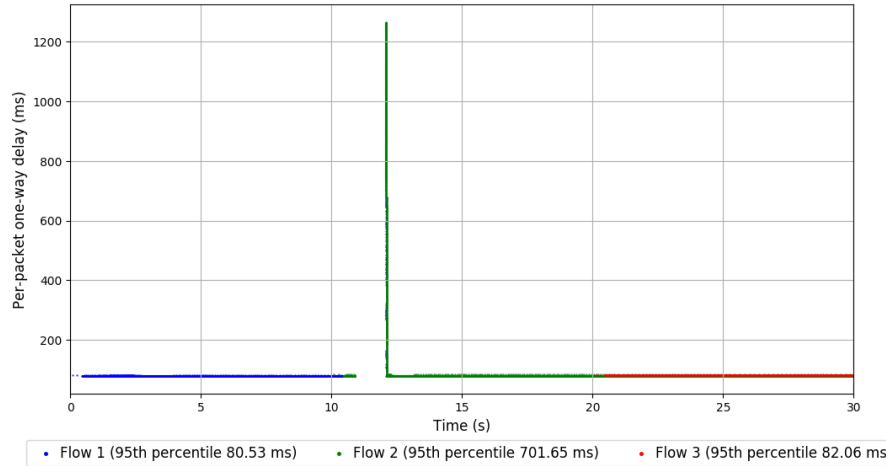
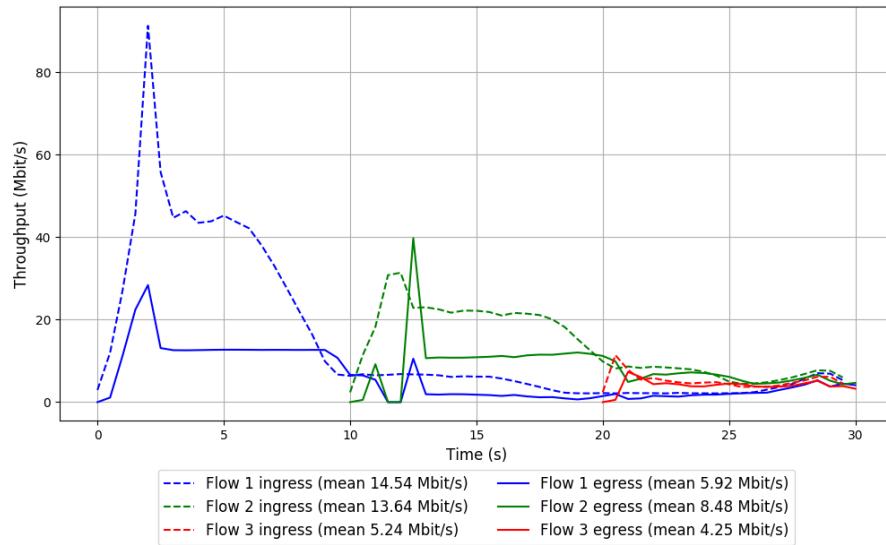


Run 4: Statistics of PCC-Expr

```
Start at: 2018-11-30 08:28:18
End at: 2018-11-30 08:28:48
Local clock offset: -7.085 ms
Remote clock offset: -58.186 ms

# Below is generated by plot.py at 2018-11-30 09:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 142.764 ms
Loss rate: 48.88%
-- Flow 1:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 80.534 ms
Loss rate: 59.31%
-- Flow 2:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 701.651 ms
Loss rate: 37.89%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 82.060 ms
Loss rate: 18.87%
```

Run 4: Report of PCC-Expr — Data Link

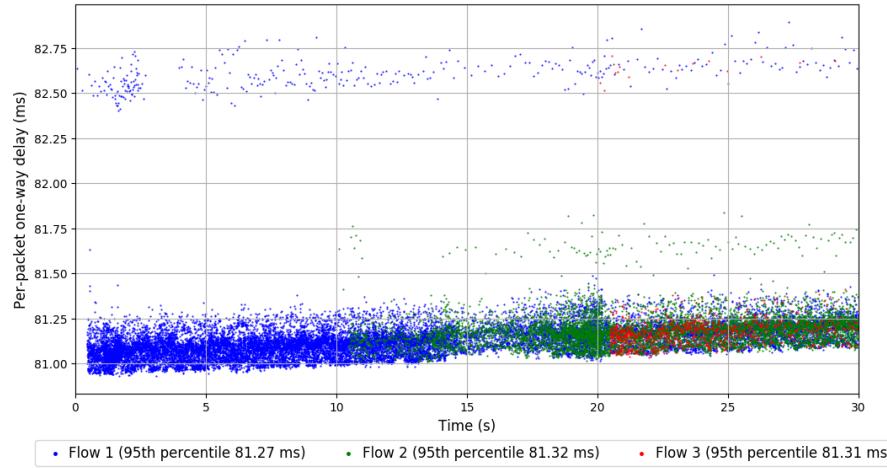
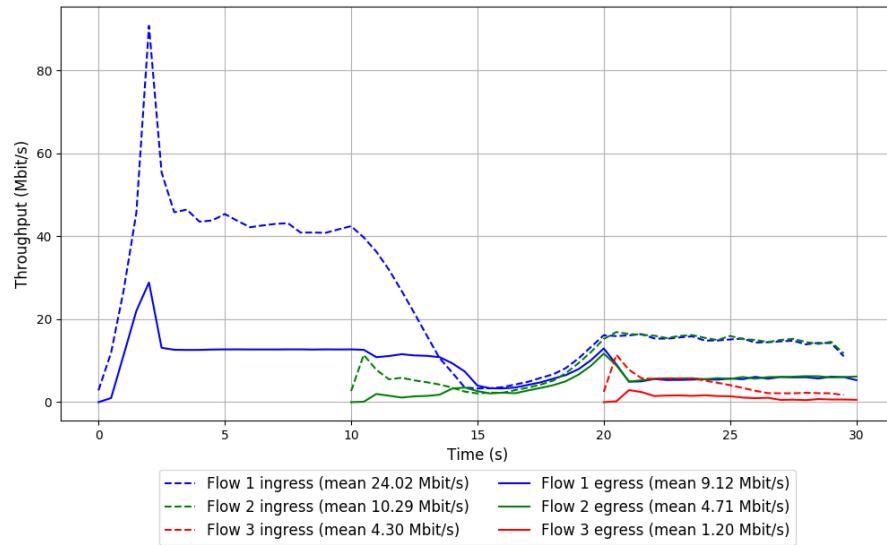


Run 5: Statistics of PCC-Expr

```
Start at: 2018-11-30 08:52:24
End at: 2018-11-30 08:52:54
Local clock offset: -7.584 ms
Remote clock offset: -64.631 ms

# Below is generated by plot.py at 2018-11-30 09:22:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 81.287 ms
Loss rate: 60.82%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 81.270 ms
Loss rate: 62.04%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 81.320 ms
Loss rate: 54.18%
-- Flow 3:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 81.306 ms
Loss rate: 72.23%
```

Run 5: Report of PCC-Expr — Data Link

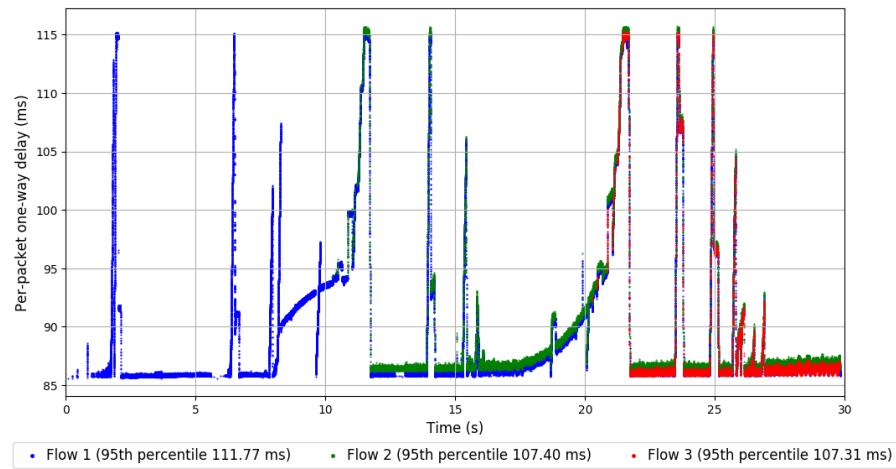
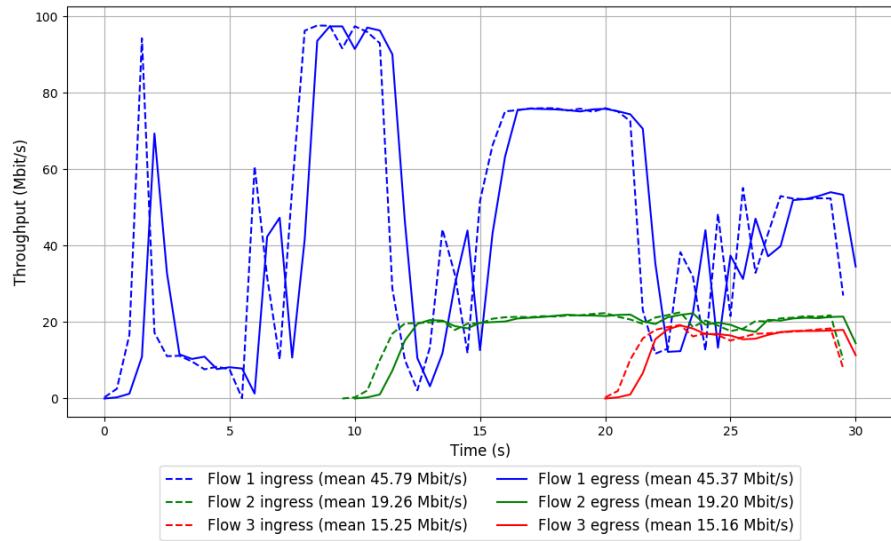


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-11-30 07:31:04
End at: 2018-11-30 07:31:34
Local clock offset: -6.315 ms
Remote clock offset: -38.981 ms

# Below is generated by plot.py at 2018-11-30 09:22:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 110.478 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 107.403 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 107.312 ms
Loss rate: 0.58%
```

Run 1: Report of QUIC Cubic — Data Link

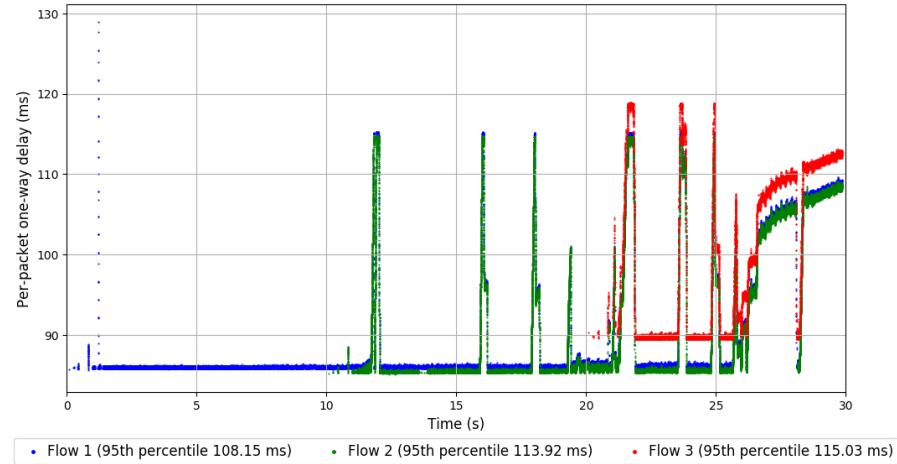
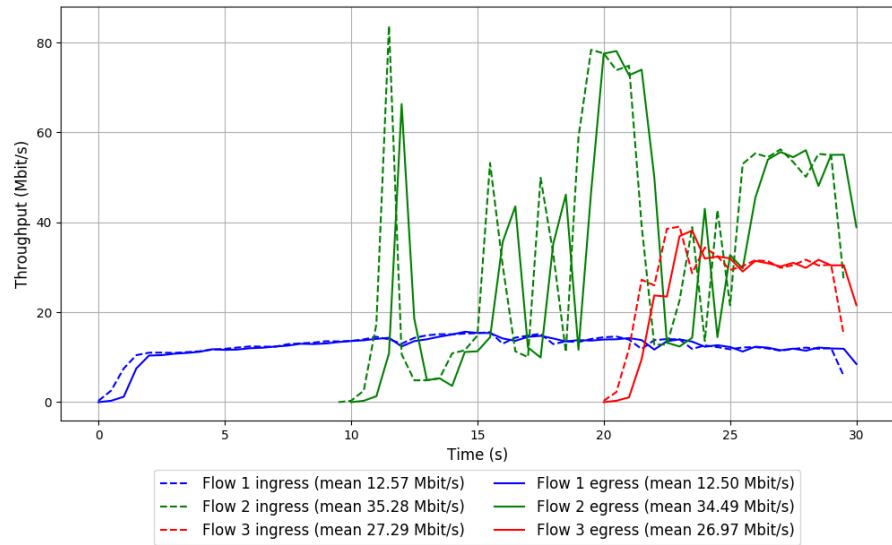


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-11-30 07:55:18
End at: 2018-11-30 07:55:48
Local clock offset: -6.731 ms
Remote clock offset: -45.79 ms

# Below is generated by plot.py at 2018-11-30 09:22:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 112.531 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 108.153 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 113.921 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 115.033 ms
Loss rate: 0.98%
```

Run 2: Report of QUIC Cubic — Data Link

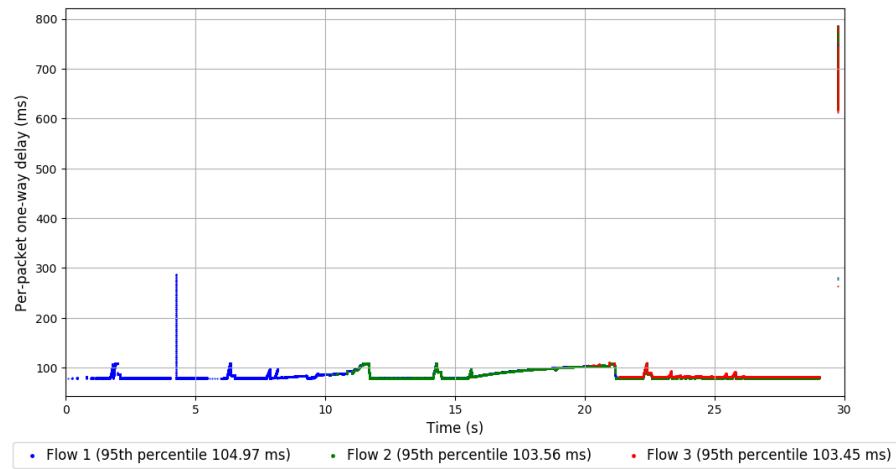
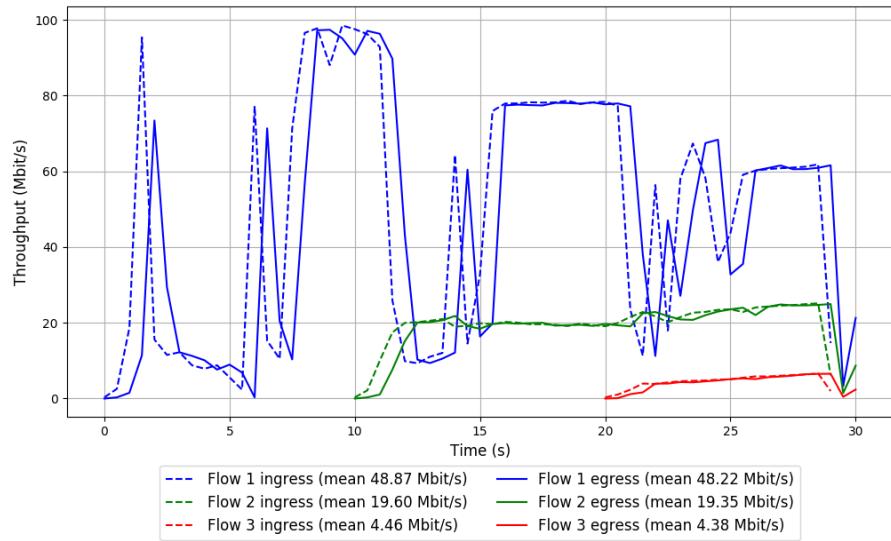


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-11-30 08:19:26
End at: 2018-11-30 08:19:56
Local clock offset: -7.12 ms
Remote clock offset: -57.06 ms

# Below is generated by plot.py at 2018-11-30 09:23:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 104.860 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 104.974 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 103.559 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 103.447 ms
Loss rate: 0.13%
```

Run 3: Report of QUIC Cubic — Data Link

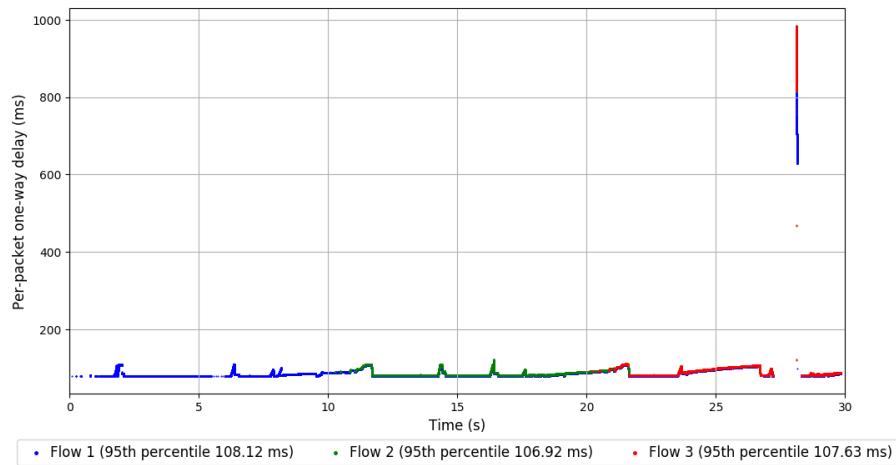
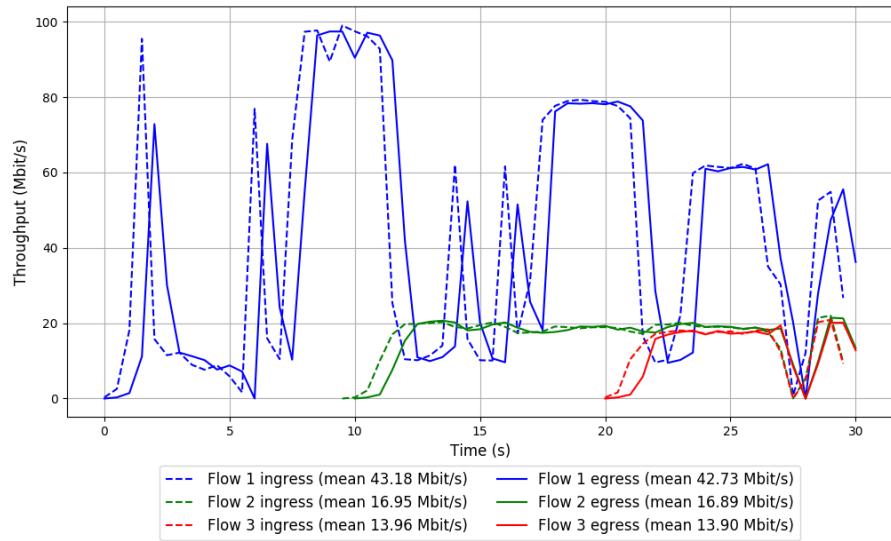


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-11-30 08:43:31
End at: 2018-11-30 08:44:01
Local clock offset: -7.207 ms
Remote clock offset: -62.411 ms

# Below is generated by plot.py at 2018-11-30 09:23:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 107.585 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 42.73 Mbit/s
95th percentile per-packet one-way delay: 108.122 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 106.919 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 107.630 ms
Loss rate: 0.46%
```

Run 4: Report of QUIC Cubic — Data Link

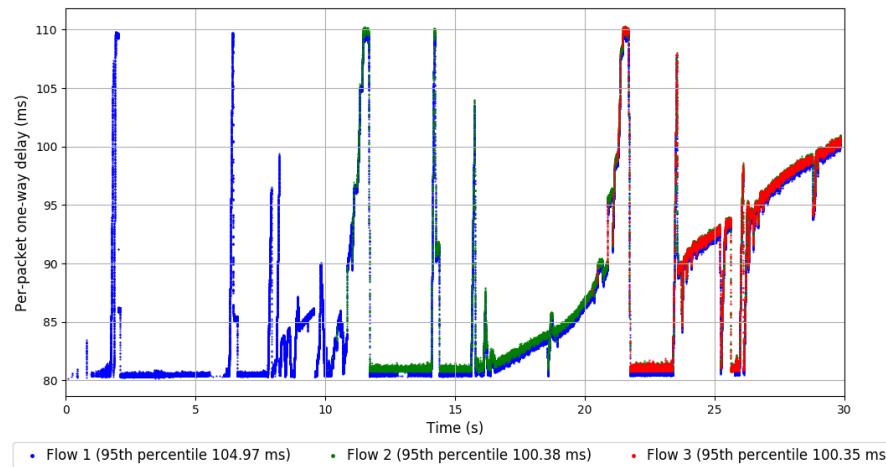
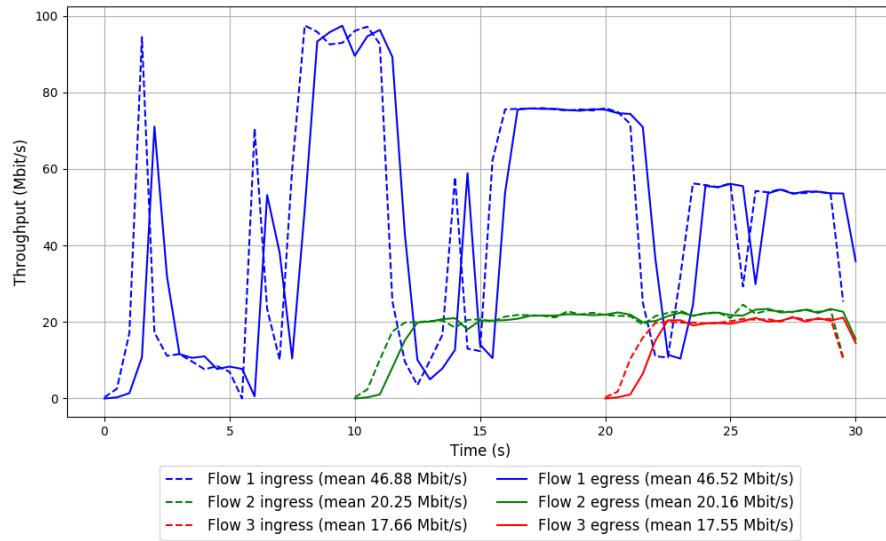


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-11-30 09:07:38
End at: 2018-11-30 09:08:08
Local clock offset: -6.615 ms
Remote clock offset: -69.709 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 103.155 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 104.969 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 100.380 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 100.347 ms
Loss rate: 0.49%
```

Run 5: Report of QUIC Cubic — Data Link

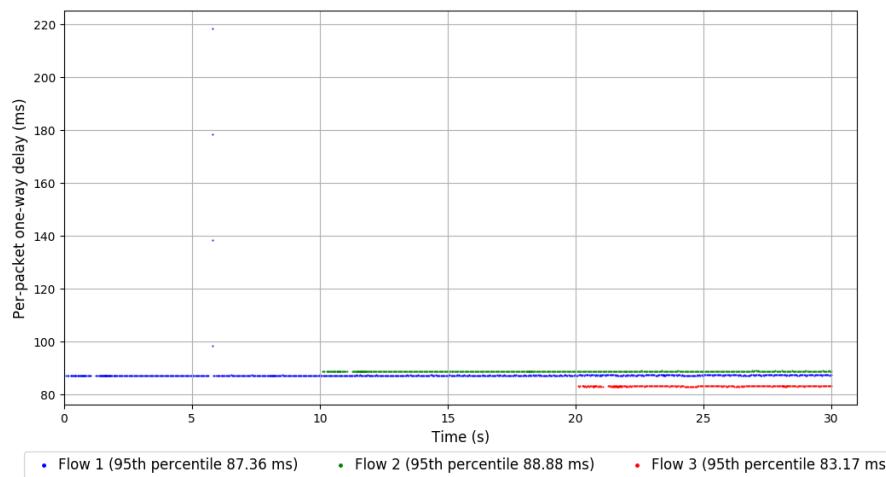
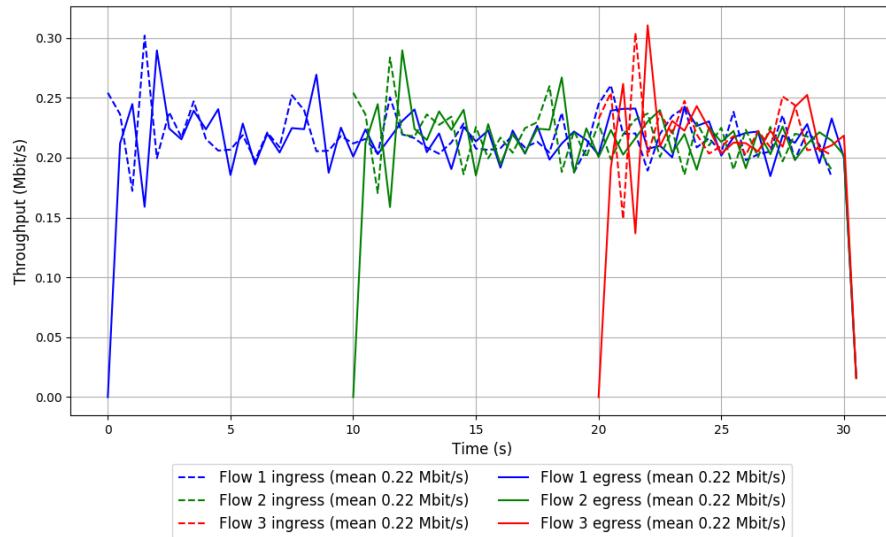


Run 1: Statistics of SCReAM

```
Start at: 2018-11-30 07:16:51
End at: 2018-11-30 07:17:21
Local clock offset: -8.445 ms
Remote clock offset: -39.05 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.168 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

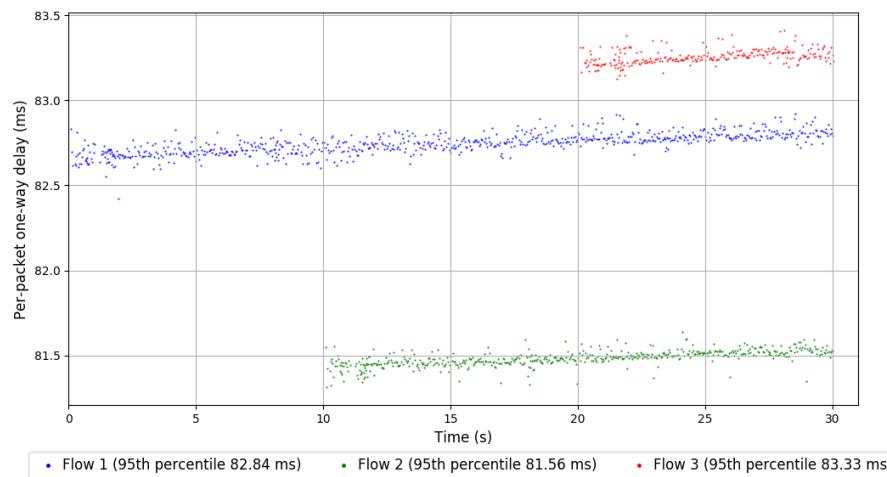
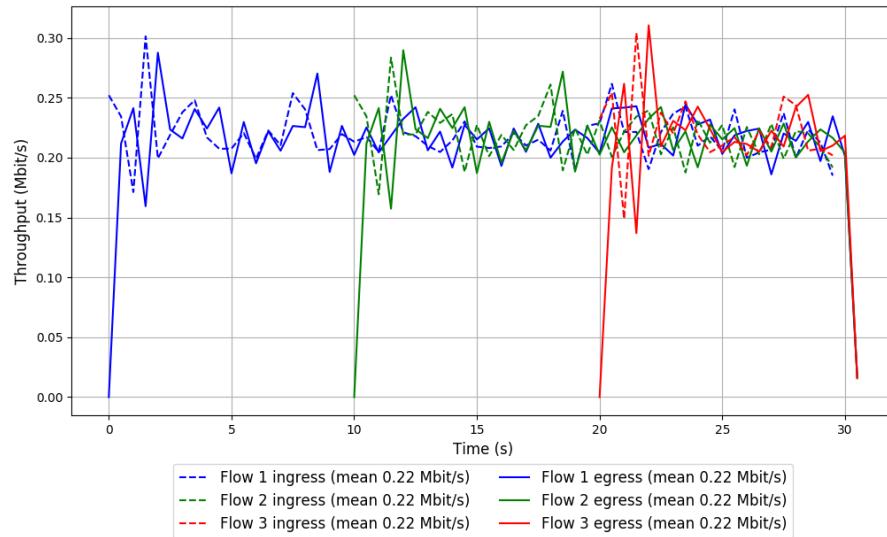


Run 2: Statistics of SCReAM

```
Start at: 2018-11-30 07:41:11
End at: 2018-11-30 07:41:41
Local clock offset: -6.996 ms
Remote clock offset: -45.601 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.330 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

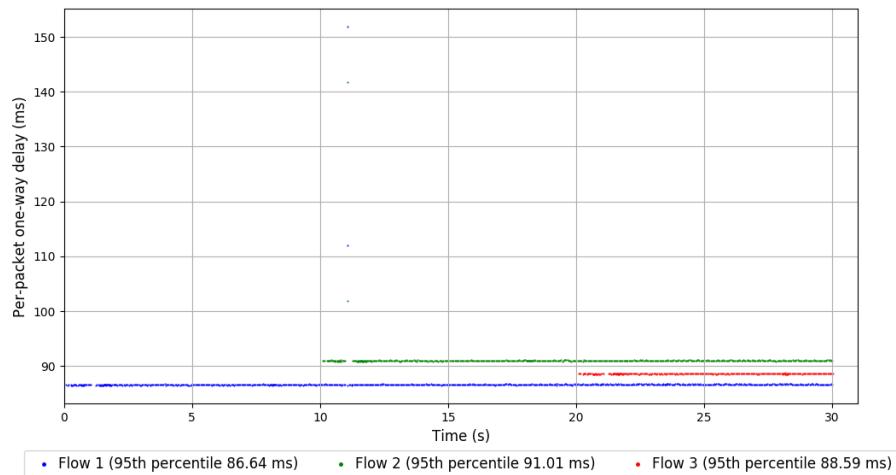
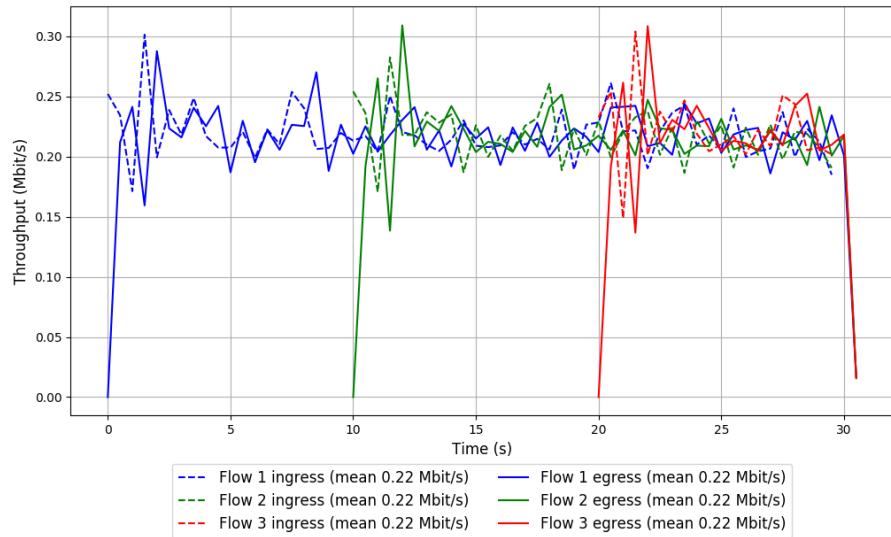


Run 3: Statistics of SCReAM

```
Start at: 2018-11-30 08:05:29
End at: 2018-11-30 08:05:59
Local clock offset: -7.849 ms
Remote clock offset: -48.246 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 90.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.588 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

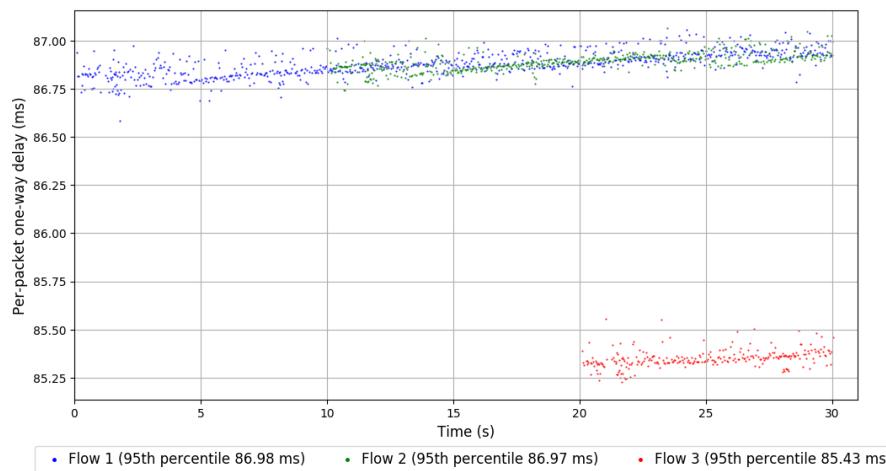
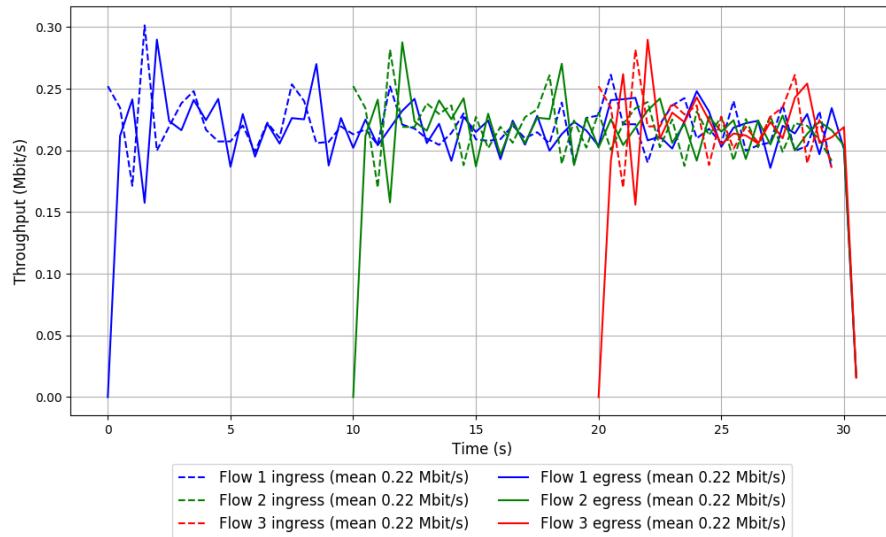


Run 4: Statistics of SCReAM

```
Start at: 2018-11-30 08:29:32
End at: 2018-11-30 08:30:02
Local clock offset: -7.085 ms
Remote clock offset: -53.47 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.434 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

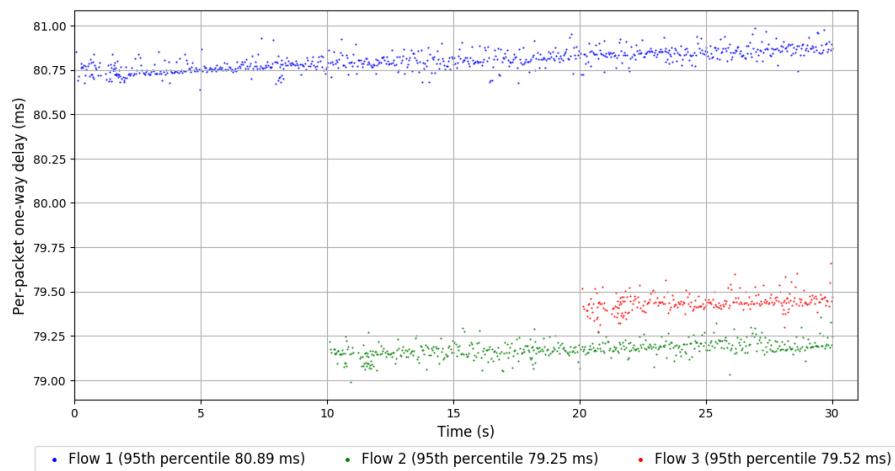
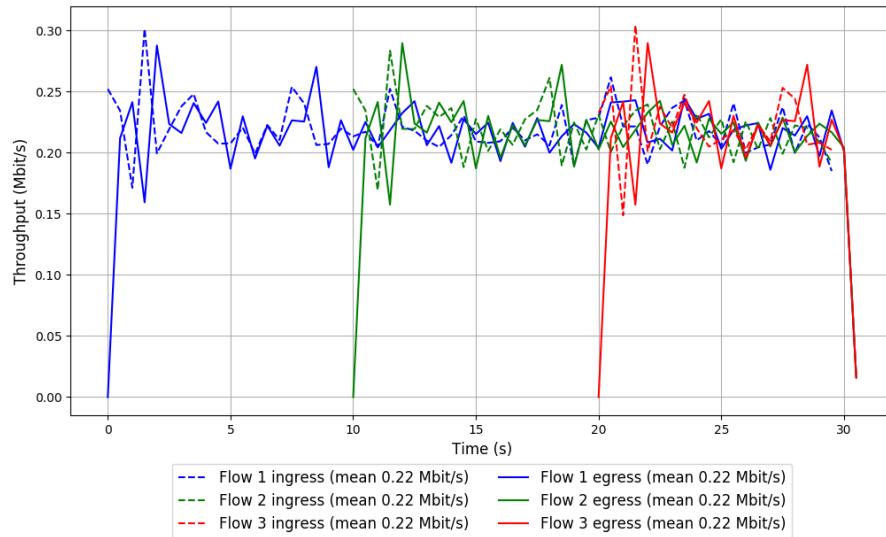


Run 5: Statistics of SCReAM

```
Start at: 2018-11-30 08:53:38
End at: 2018-11-30 08:54:08
Local clock offset: -6.838 ms
Remote clock offset: -65.983 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 80.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.523 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

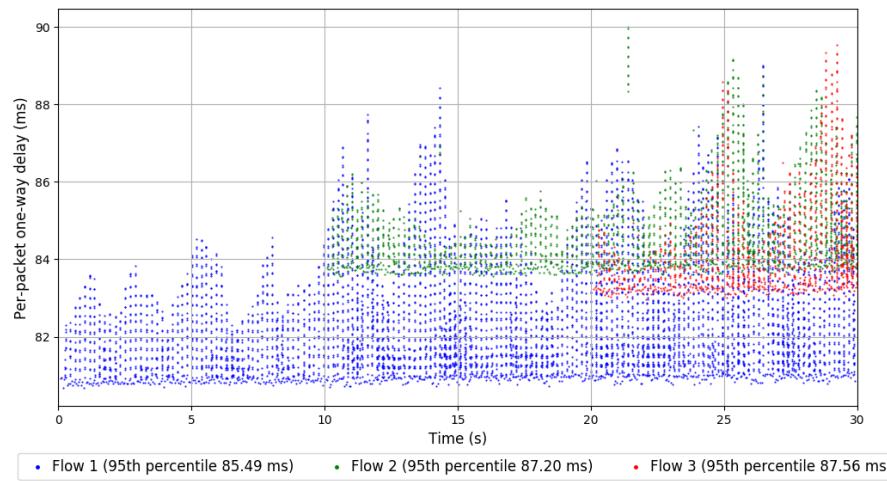
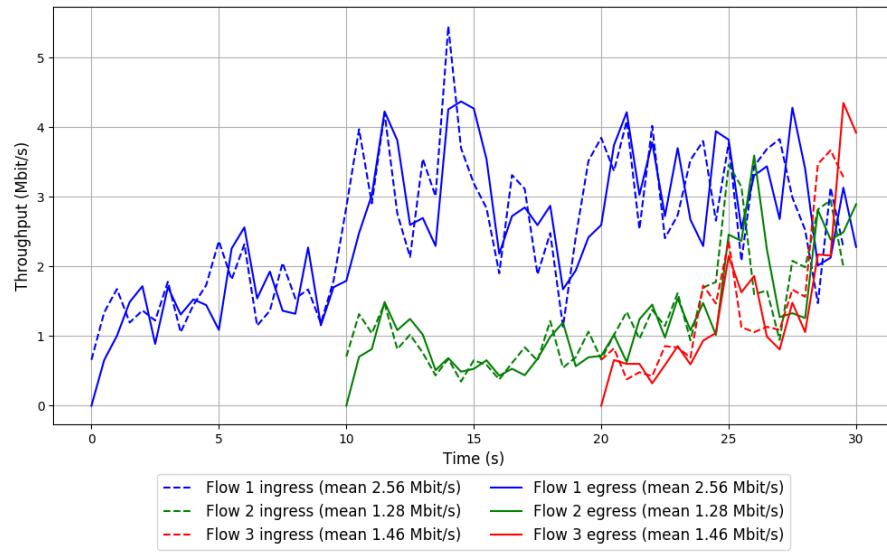


Run 1: Statistics of Sprout

```
Start at: 2018-11-30 07:27:09
End at: 2018-11-30 07:27:39
Local clock offset: -7.24 ms
Remote clock offset: -41.81 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 86.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 85.489 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 87.202 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 87.561 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

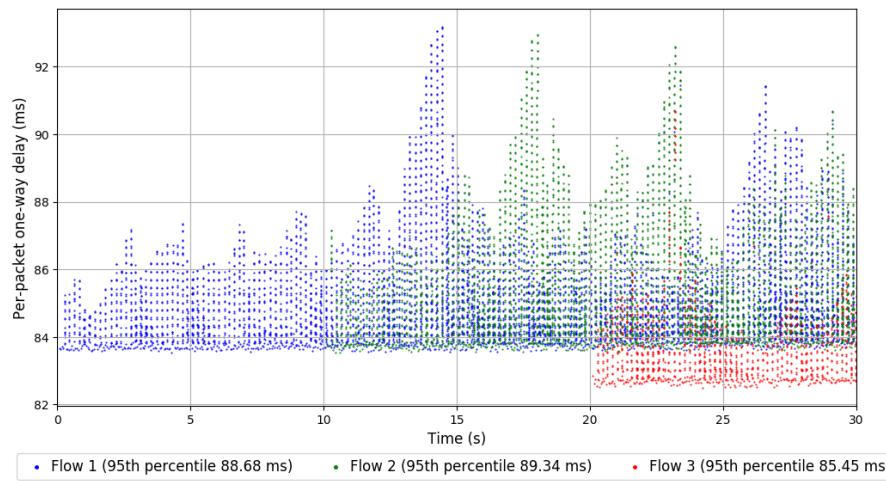
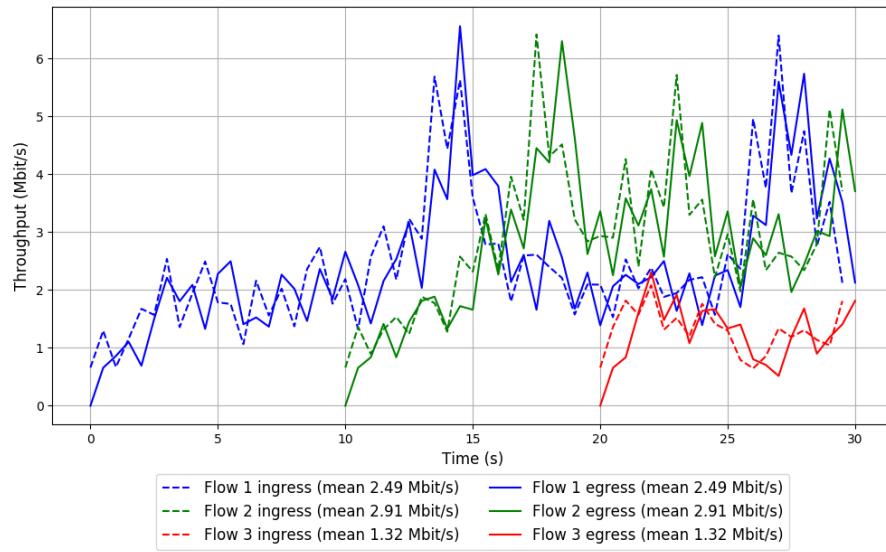


Run 2: Statistics of Sprout

```
Start at: 2018-11-30 07:51:30
End at: 2018-11-30 07:52:00
Local clock offset: -7.338 ms
Remote clock offset: -48.208 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 88.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 88.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 89.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 85.450 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

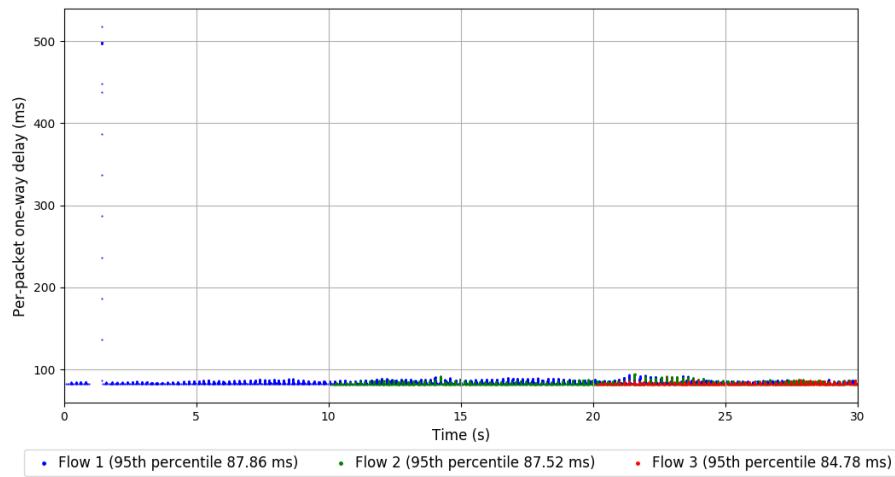
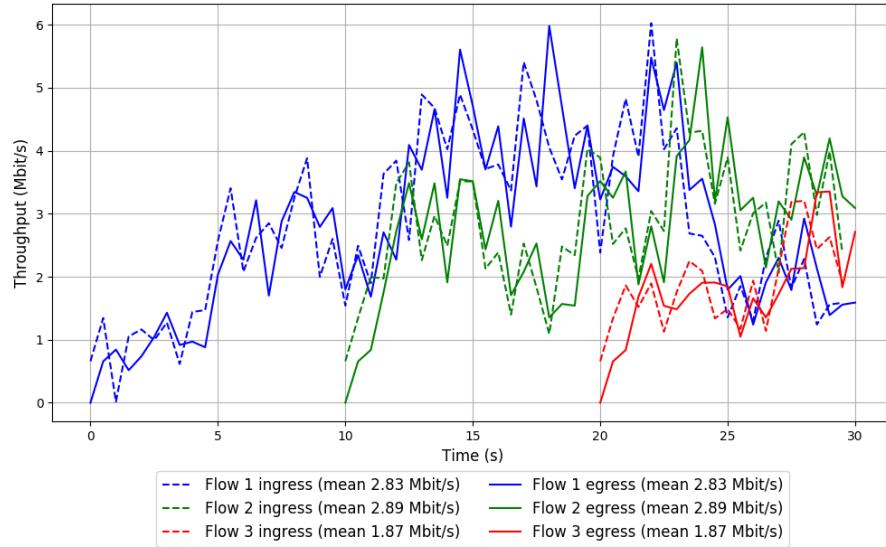


Run 3: Statistics of Sprout

```
Start at: 2018-11-30 08:15:38
End at: 2018-11-30 08:16:08
Local clock offset: -7.965 ms
Remote clock offset: -55.103 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 87.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 87.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 87.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 84.778 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

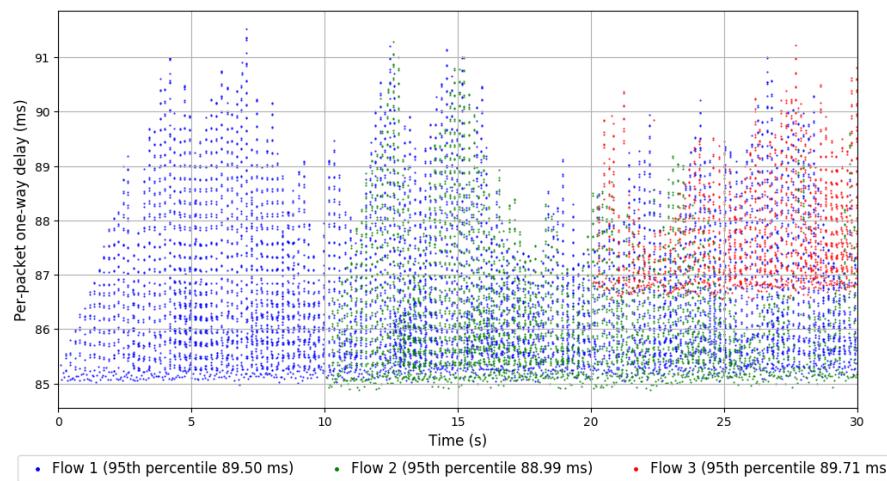
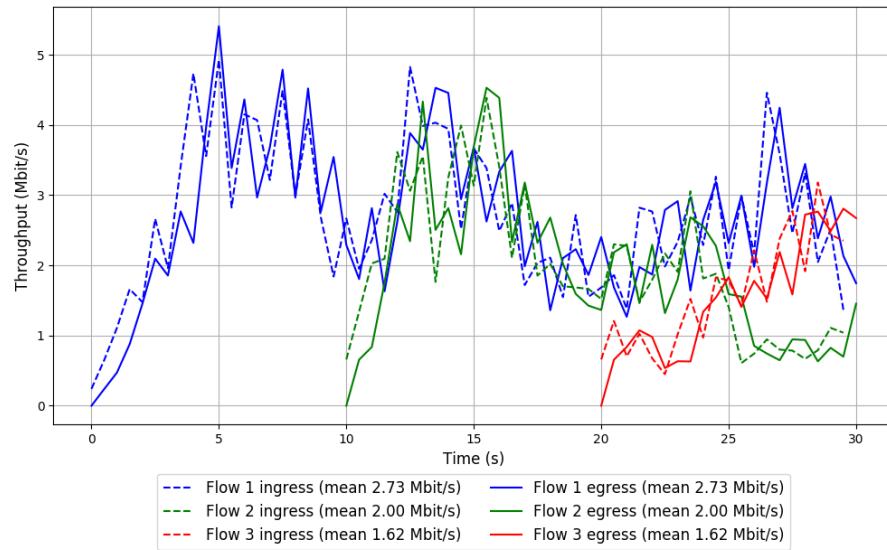


Run 4: Statistics of Sprout

```
Start at: 2018-11-30 08:39:42
End at: 2018-11-30 08:40:12
Local clock offset: -7.145 ms
Remote clock offset: -56.302 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 89.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 89.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 88.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 89.710 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

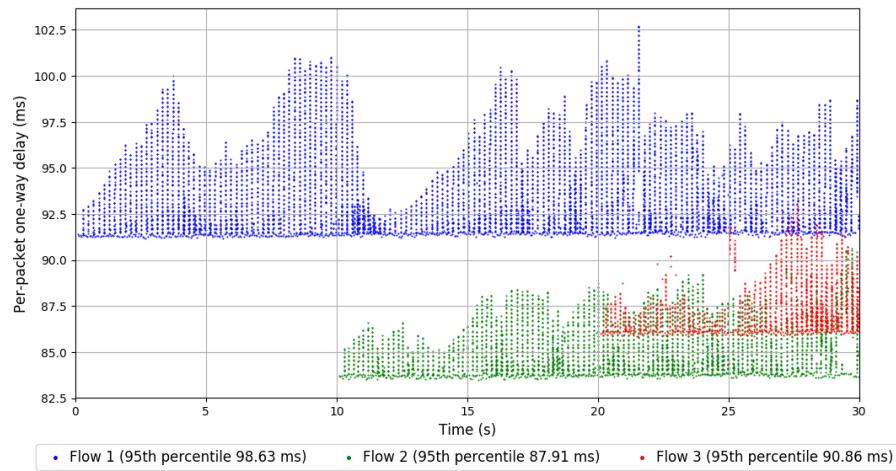
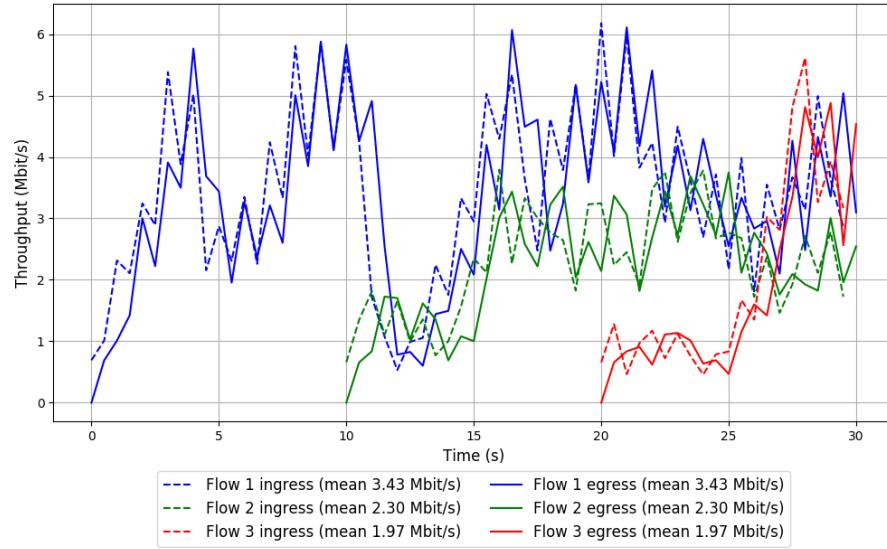


Run 5: Statistics of Sprout

```
Start at: 2018-11-30 09:03:49
End at: 2018-11-30 09:04:19
Local clock offset: -7.464 ms
Remote clock offset: -64.735 ms

# Below is generated by plot.py at 2018-11-30 09:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 97.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 98.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 87.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 90.860 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

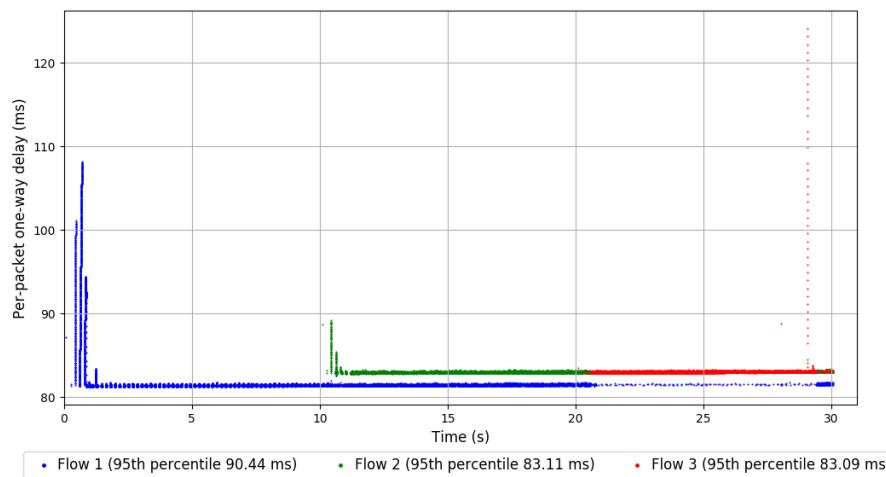
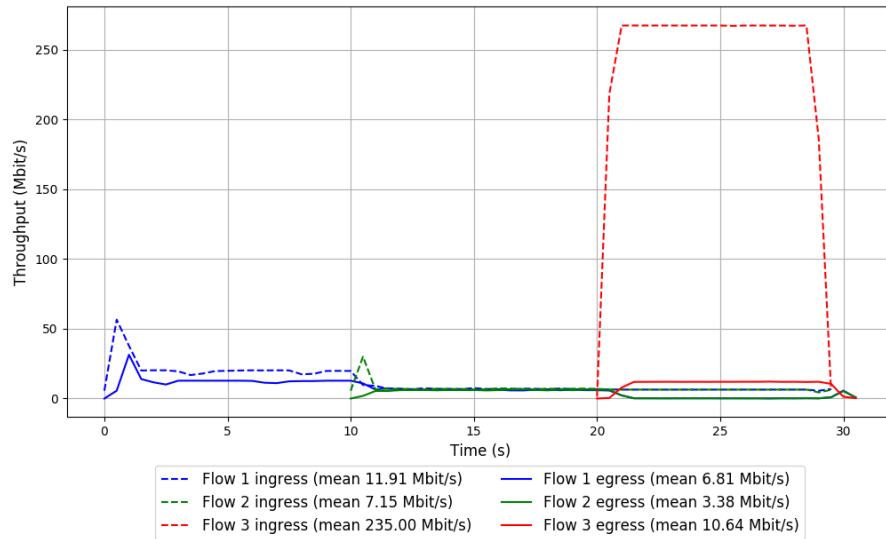


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-11-30 07:18:04
End at: 2018-11-30 07:18:34
Local clock offset: -8.187 ms
Remote clock offset: -39.306 ms

# Below is generated by plot.py at 2018-11-30 09:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 83.170 ms
Loss rate: 86.73%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 90.443 ms
Loss rate: 42.88%
-- Flow 2:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 83.105 ms
Loss rate: 52.81%
-- Flow 3:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 83.092 ms
Loss rate: 95.47%
```

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

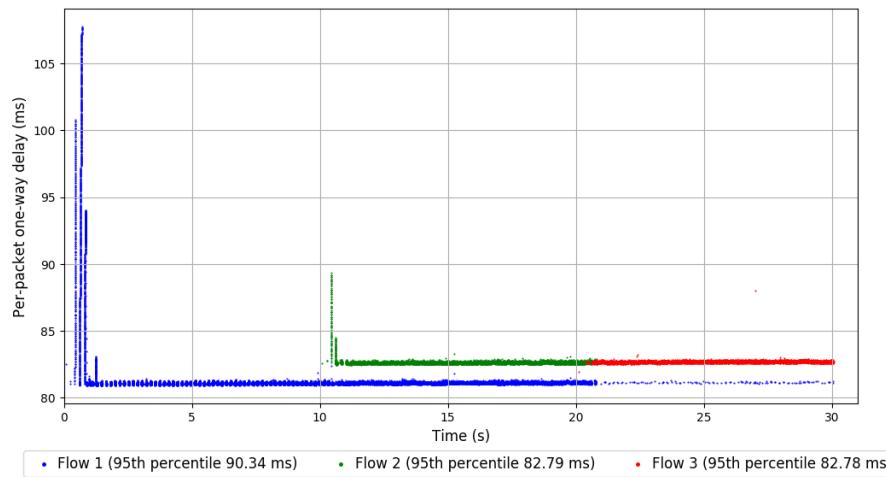
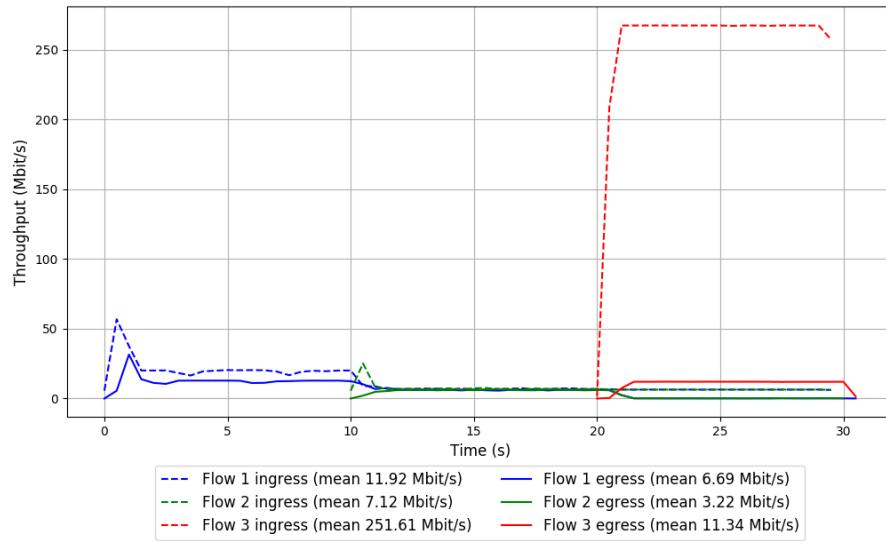


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-11-30 07:42:23
End at: 2018-11-30 07:42:53
Local clock offset: -6.915 ms
Remote clock offset: -45.962 ms

# Below is generated by plot.py at 2018-11-30 09:23:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 82.834 ms
Loss rate: 87.44%
-- Flow 1:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 90.345 ms
Loss rate: 43.88%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 82.790 ms
Loss rate: 54.93%
-- Flow 3:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 82.780 ms
Loss rate: 95.49%
```

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

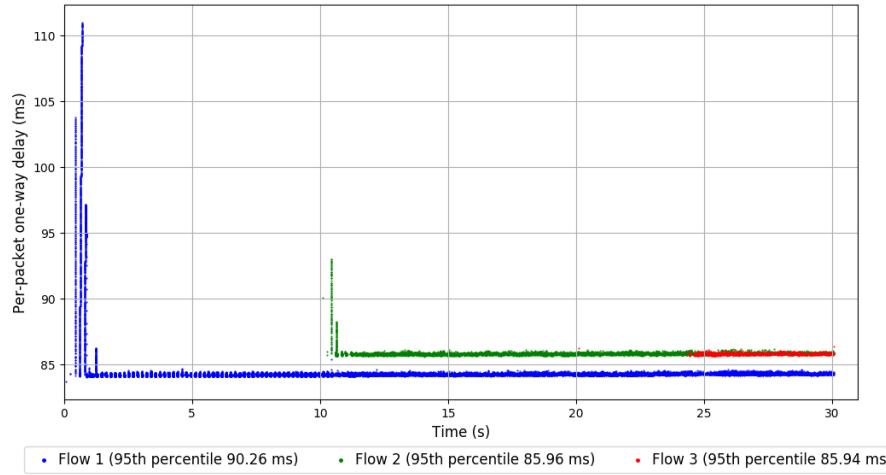
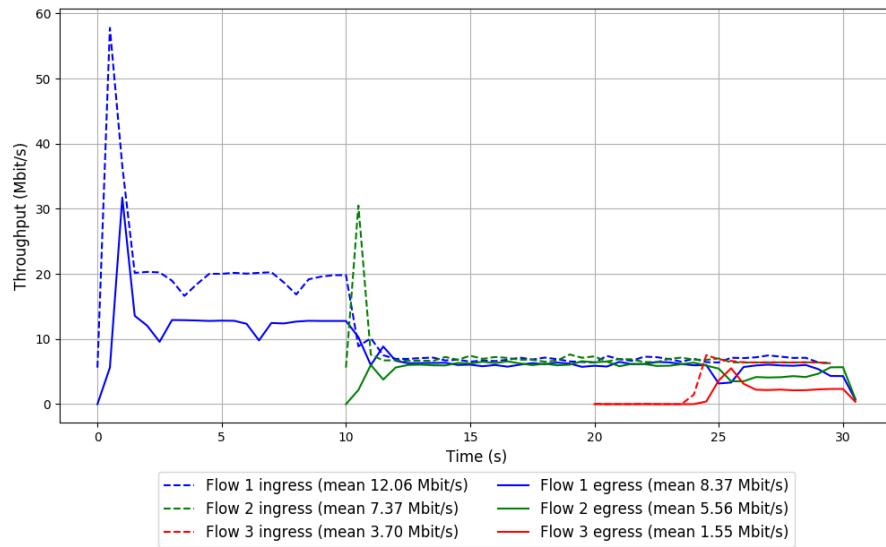


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-11-30 08:06:42
End at: 2018-11-30 08:07:12
Local clock offset: -7.117 ms
Remote clock offset: -48.611 ms

# Below is generated by plot.py at 2018-11-30 09:23:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 86.027 ms
Loss rate: 30.83%
-- Flow 1:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 90.262 ms
Loss rate: 30.58%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 85.958 ms
Loss rate: 24.57%
-- Flow 3:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 85.942 ms
Loss rate: 58.18%
```

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

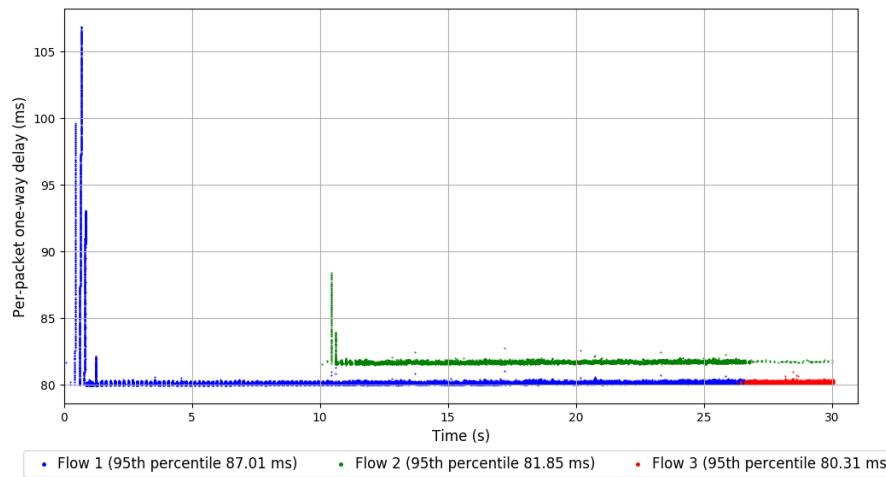
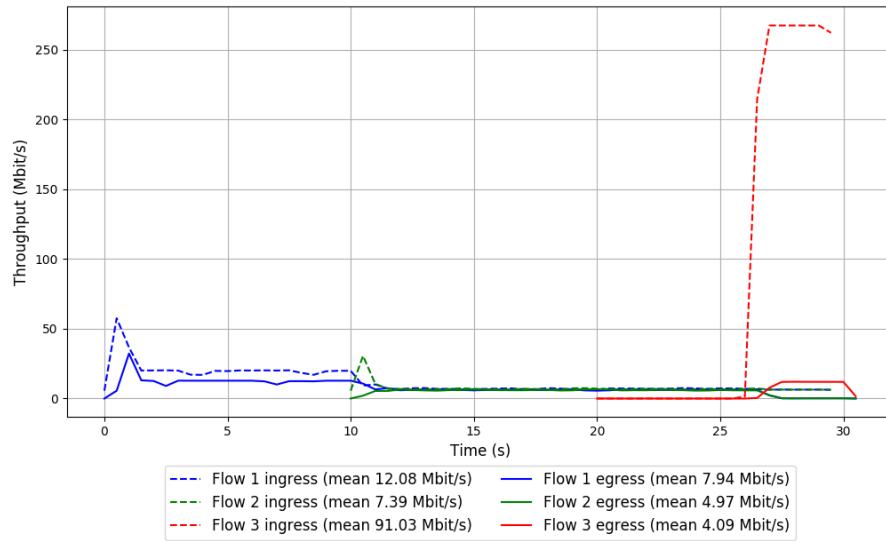


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-11-30 08:30:45
End at: 2018-11-30 08:31:15
Local clock offset: -7.922 ms
Remote clock offset: -59.859 ms

# Below is generated by plot.py at 2018-11-30 09:23:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 81.901 ms
Loss rate: 73.36%
-- Flow 1:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 34.36%
-- Flow 2:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 81.854 ms
Loss rate: 32.94%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 80.314 ms
Loss rate: 95.50%
```

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

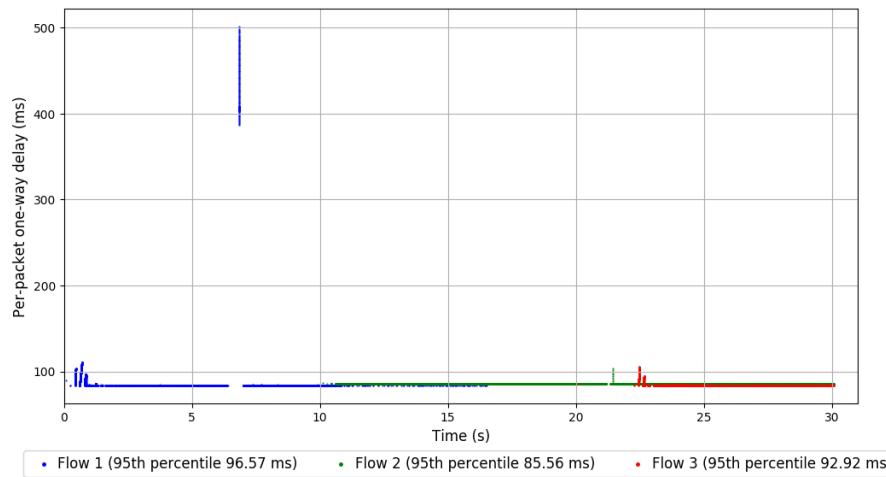
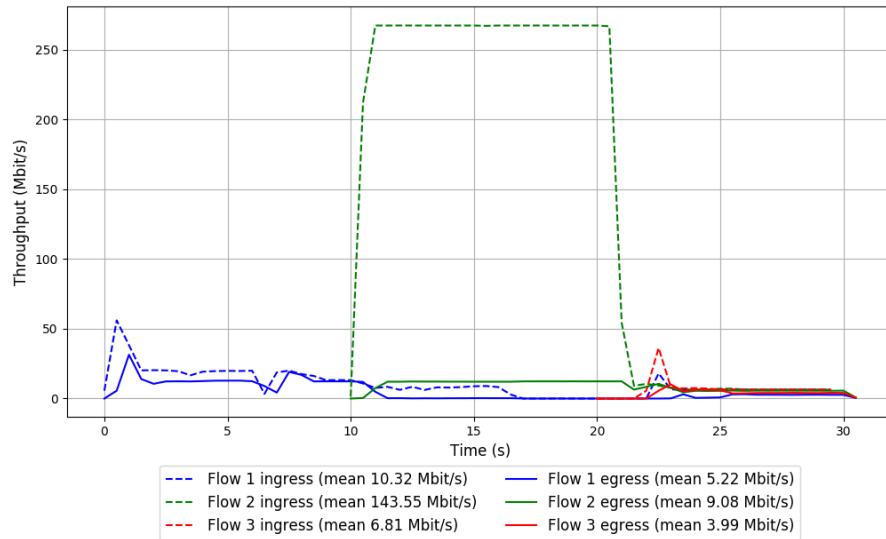


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-11-30 08:54:50
End at: 2018-11-30 08:55:20
Local clock offset: -7.508 ms
Remote clock offset: -62.502 ms

# Below is generated by plot.py at 2018-11-30 09:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 89.576 ms
Loss rate: 88.37%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 96.568 ms
Loss rate: 49.46%
-- Flow 2:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 85.556 ms
Loss rate: 93.68%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 92.924 ms
Loss rate: 41.39%
```

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

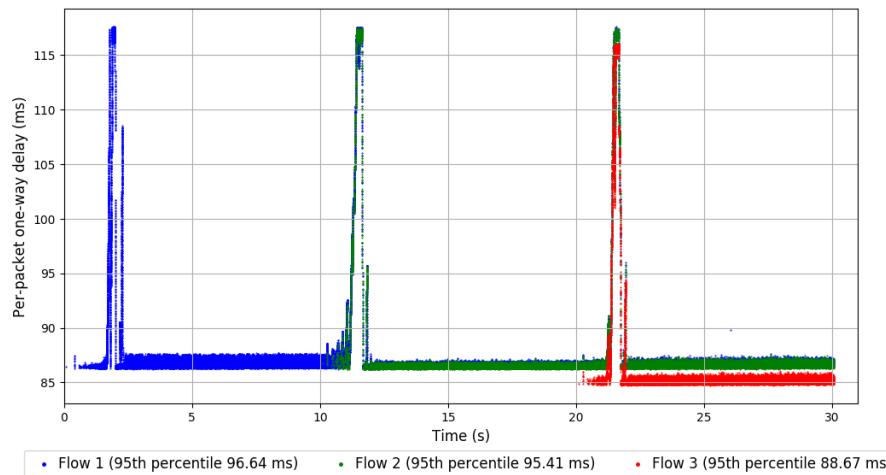
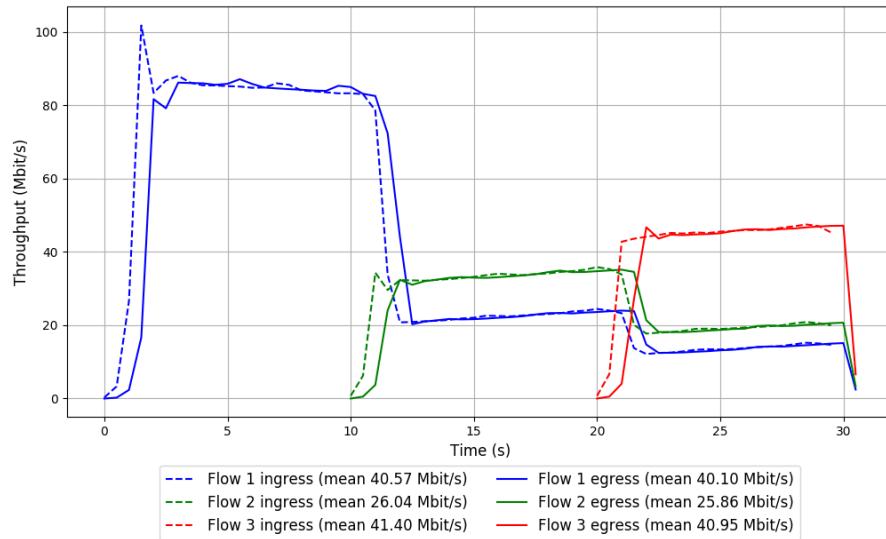


Run 1: Statistics of TCP Vegas

```
Start at: 2018-11-30 07:37:23
End at: 2018-11-30 07:37:53
Local clock offset: -6.94 ms
Remote clock offset: -40.825 ms

# Below is generated by plot.py at 2018-11-30 09:23:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 95.404 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 96.638 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 95.406 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 88.674 ms
Loss rate: 1.07%
```

Run 1: Report of TCP Vegas — Data Link

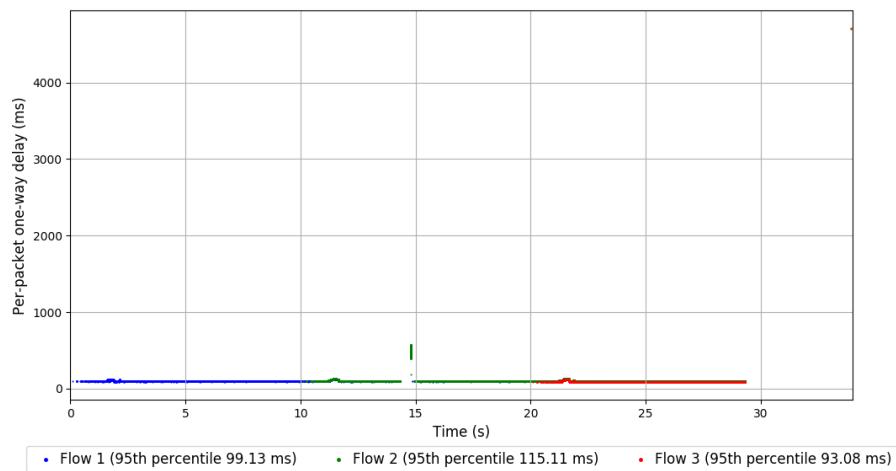
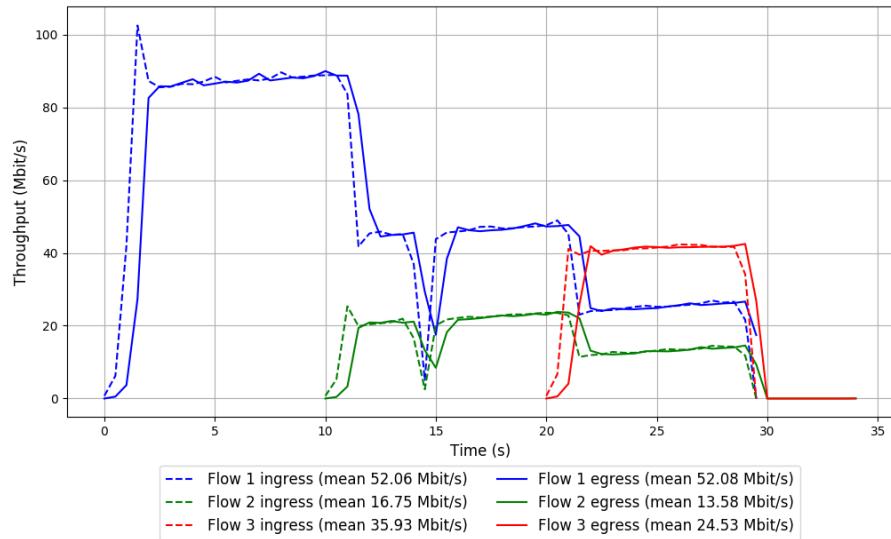


Run 2: Statistics of TCP Vegas

```
Start at: 2018-11-30 08:01:36
End at: 2018-11-30 08:02:06
Local clock offset: -7.684 ms
Remote clock offset: -46.875 ms

# Below is generated by plot.py at 2018-11-30 09:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 100.259 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 99.127 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 115.114 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 3.31%
```

Run 2: Report of TCP Vegas — Data Link

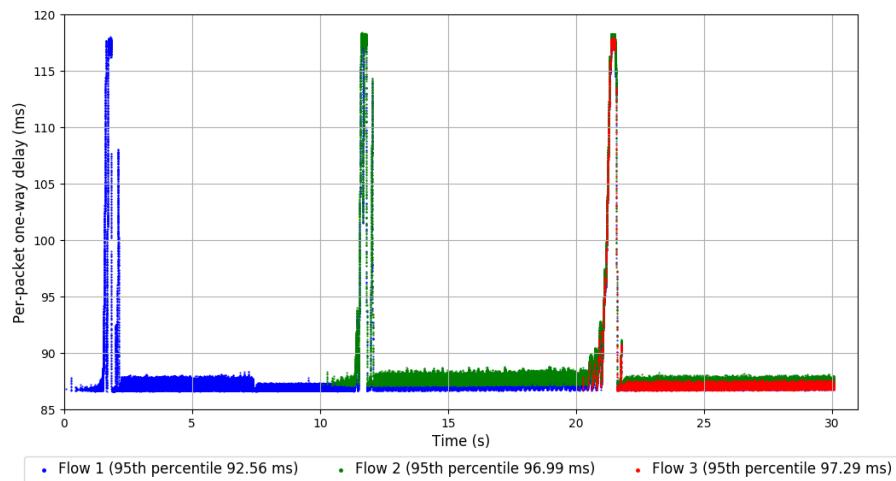
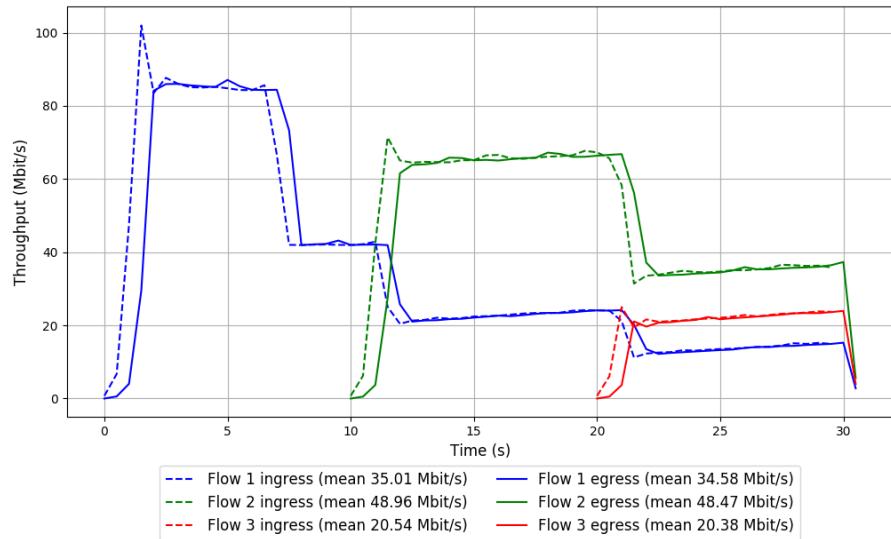


Run 3: Statistics of TCP Vegas

```
Start at: 2018-11-30 08:25:45
End at: 2018-11-30 08:26:15
Local clock offset: -7.078 ms
Remote clock offset: -52.562 ms

# Below is generated by plot.py at 2018-11-30 09:23:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 95.266 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 92.557 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 96.988 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 97.292 ms
Loss rate: 0.76%
```

Run 3: Report of TCP Vegas — Data Link

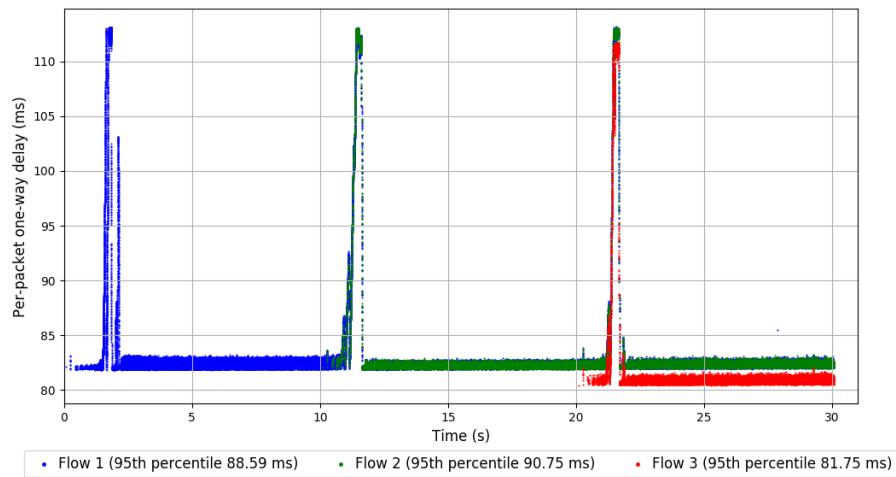
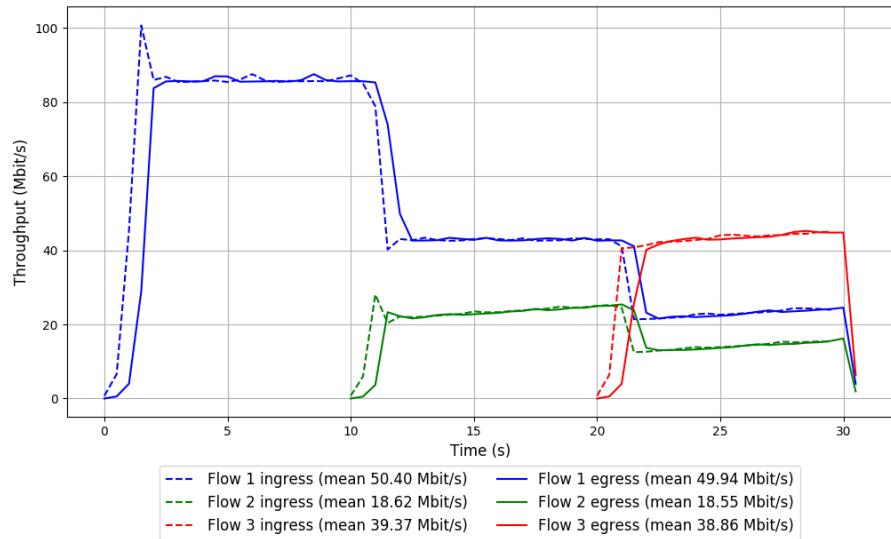


Run 4: Statistics of TCP Vegas

```
Start at: 2018-11-30 08:49:51
End at: 2018-11-30 08:50:21
Local clock offset: -6.917 ms
Remote clock offset: -64.932 ms

# Below is generated by plot.py at 2018-11-30 09:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 87.792 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 88.587 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 90.747 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 81.754 ms
Loss rate: 1.29%
```

Run 4: Report of TCP Vegas — Data Link

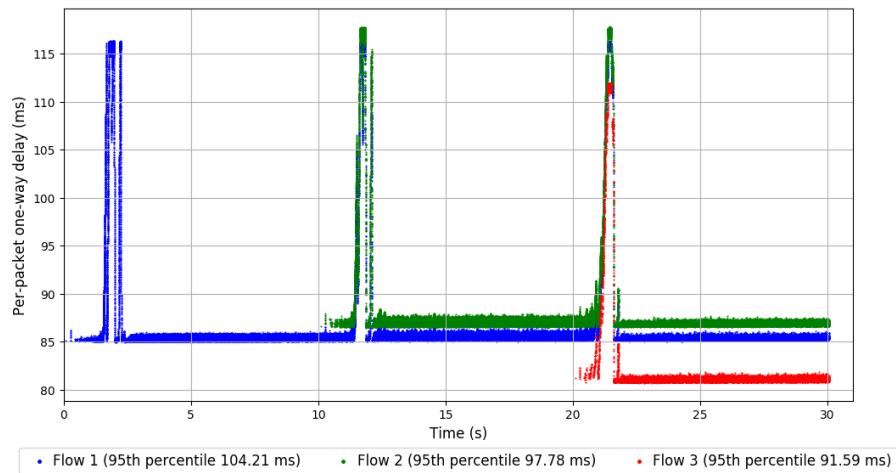
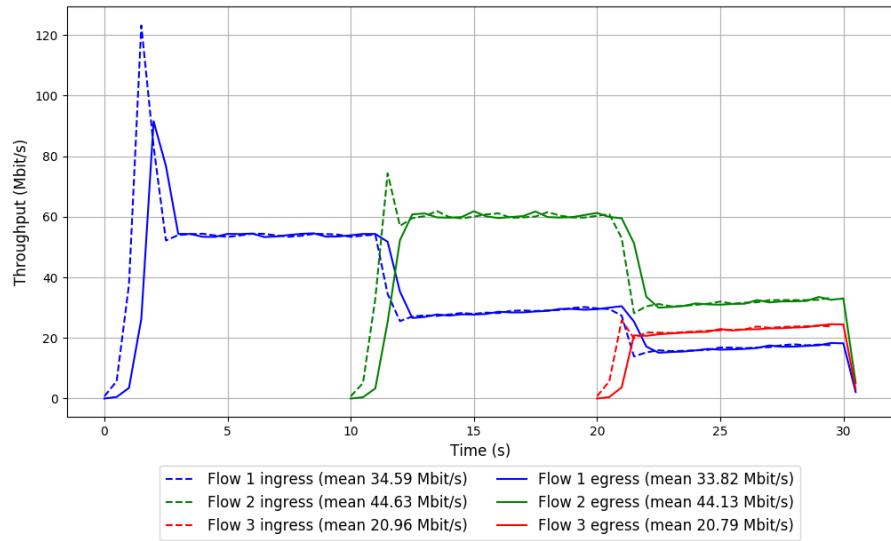


Run 5: Statistics of TCP Vegas

```
Start at: 2018-11-30 09:13:57
End at: 2018-11-30 09:14:27
Local clock offset: -6.583 ms
Remote clock offset: -71.398 ms

# Below is generated by plot.py at 2018-11-30 09:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 100.794 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 104.210 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 97.784 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 91.594 ms
Loss rate: 0.80%
```

Run 5: Report of TCP Vegas — Data Link

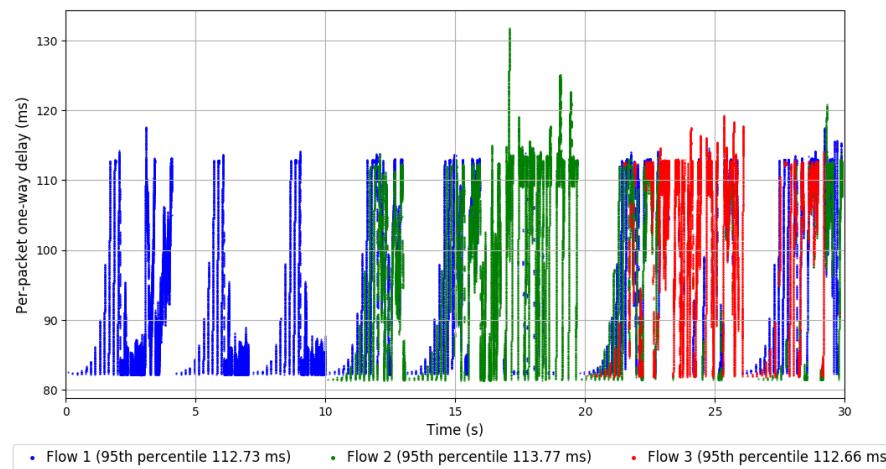
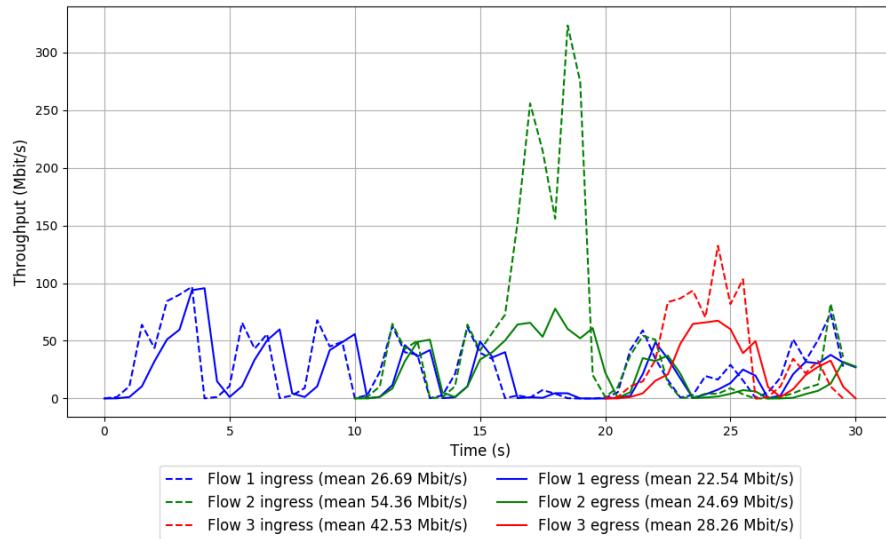


Run 1: Statistics of Verus

```
Start at: 2018-11-30 07:28:22
End at: 2018-11-30 07:28:52
Local clock offset: -6.4 ms
Remote clock offset: -42.264 ms

# Below is generated by plot.py at 2018-11-30 09:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 112.815 ms
Loss rate: 37.12%
-- Flow 1:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 112.729 ms
Loss rate: 15.46%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 113.771 ms
Loss rate: 54.51%
-- Flow 3:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 112.656 ms
Loss rate: 33.50%
```

Run 1: Report of Verus — Data Link

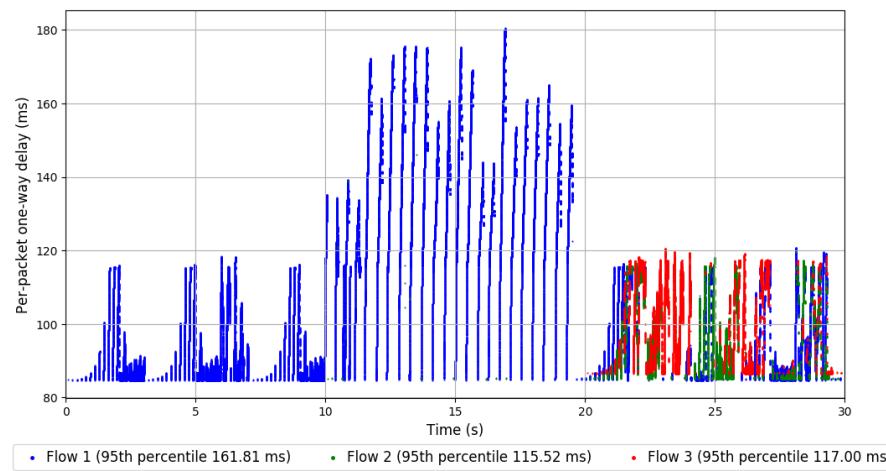
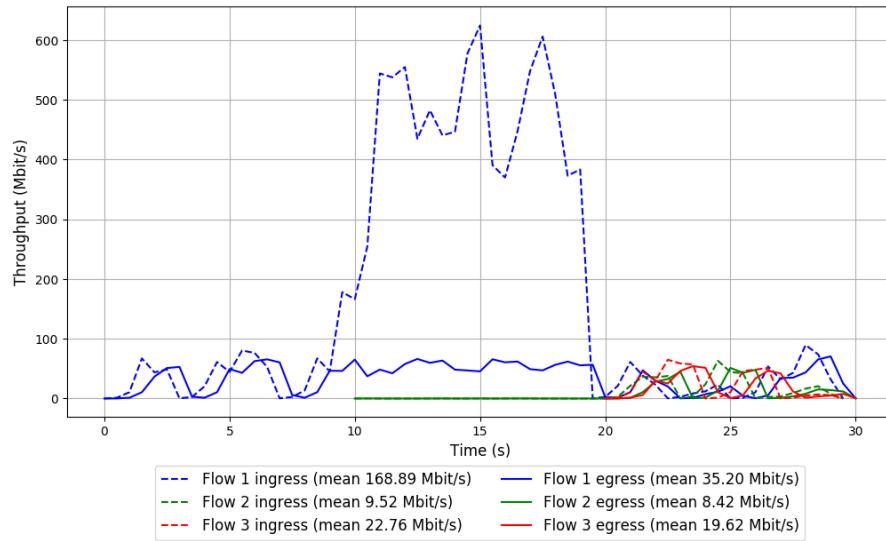


Run 2: Statistics of Verus

```
Start at: 2018-11-30 07:52:43
End at: 2018-11-30 07:53:13
Local clock offset: -7.465 ms
Remote clock offset: -44.808 ms

# Below is generated by plot.py at 2018-11-30 09:24:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 158.646 ms
Loss rate: 74.16%
-- Flow 1:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 161.808 ms
Loss rate: 79.16%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 115.516 ms
Loss rate: 11.51%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 116.995 ms
Loss rate: 13.81%
```

Run 2: Report of Verus — Data Link

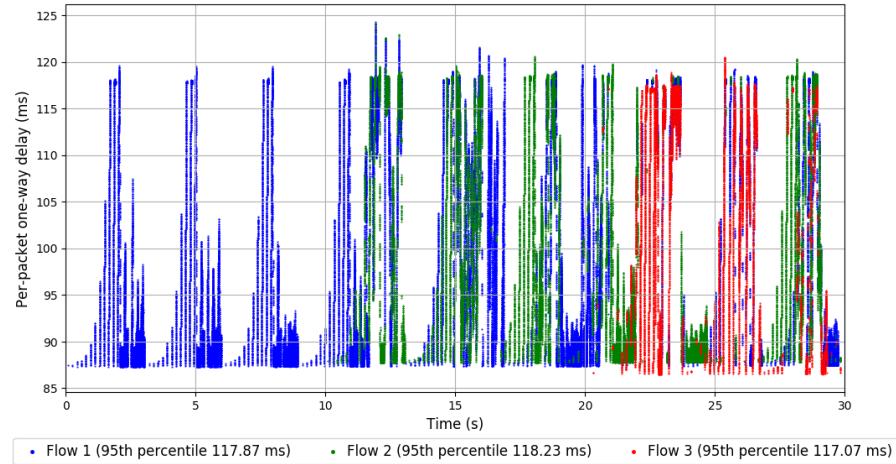
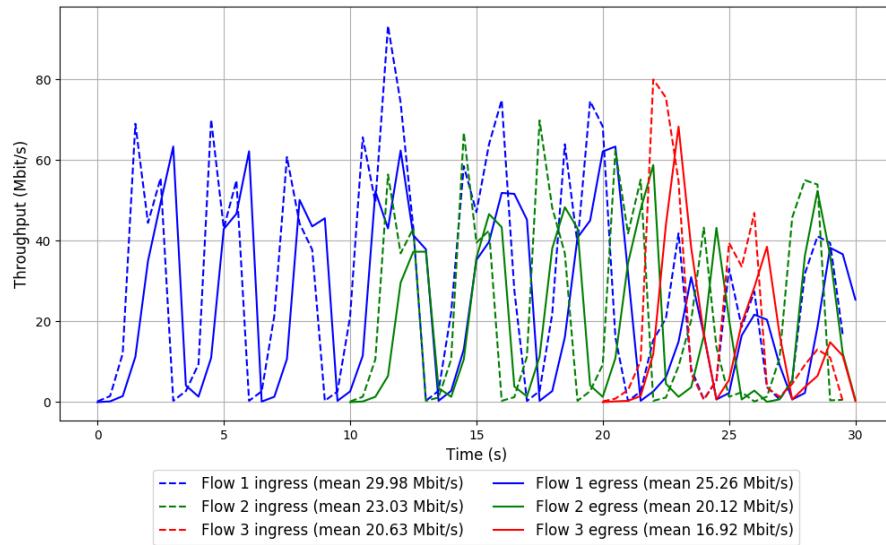


Run 3: Statistics of Verus

```
Start at: 2018-11-30 08:16:53
End at: 2018-11-30 08:17:23
Local clock offset: -7.941 ms
Remote clock offset: -49.988 ms

# Below is generated by plot.py at 2018-11-30 09:24:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 117.918 ms
Loss rate: 15.12%
-- Flow 1:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 117.872 ms
Loss rate: 15.73%
-- Flow 2:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 118.227 ms
Loss rate: 12.61%
-- Flow 3:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 117.070 ms
Loss rate: 18.09%
```

Run 3: Report of Verus — Data Link

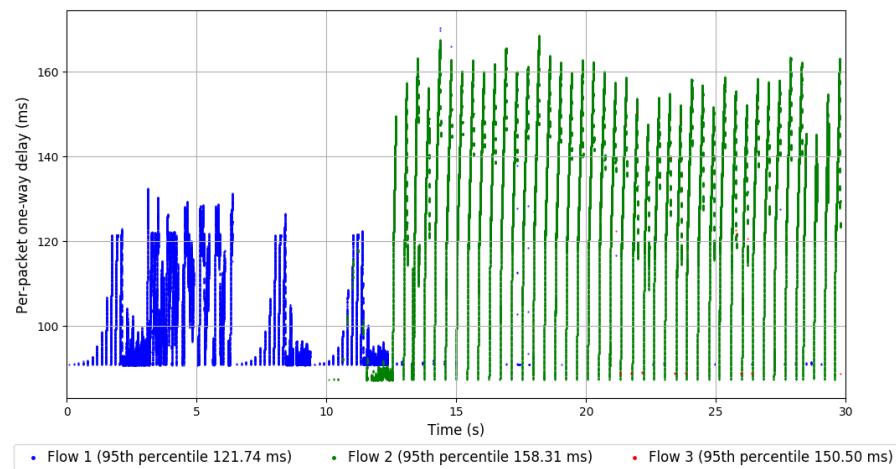
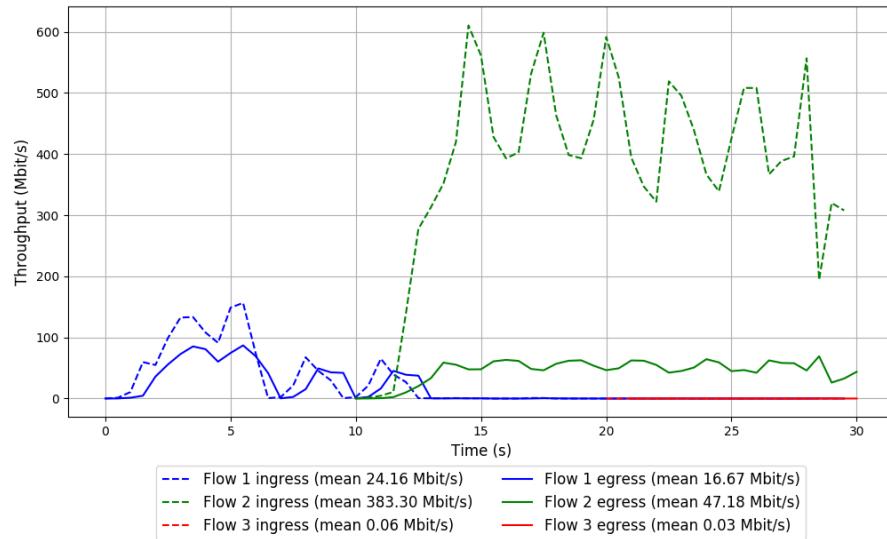


Run 4: Statistics of Verus

```
Start at: 2018-11-30 08:40:55
End at: 2018-11-30 08:41:25
Local clock offset: -7.159 ms
Remote clock offset: -56.569 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 156.444 ms
Loss rate: 82.85%
-- Flow 1:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 121.737 ms
Loss rate: 30.98%
-- Flow 2:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 158.313 ms
Loss rate: 87.67%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 150.497 ms
Loss rate: 50.00%
```

Run 4: Report of Verus — Data Link

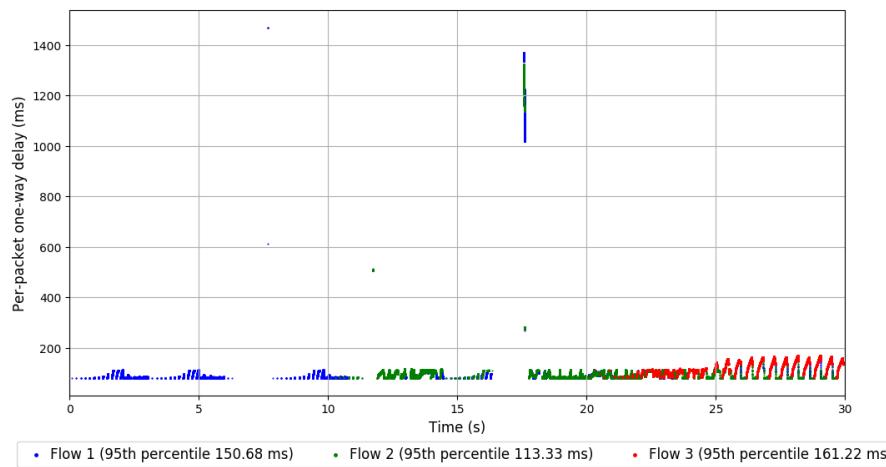
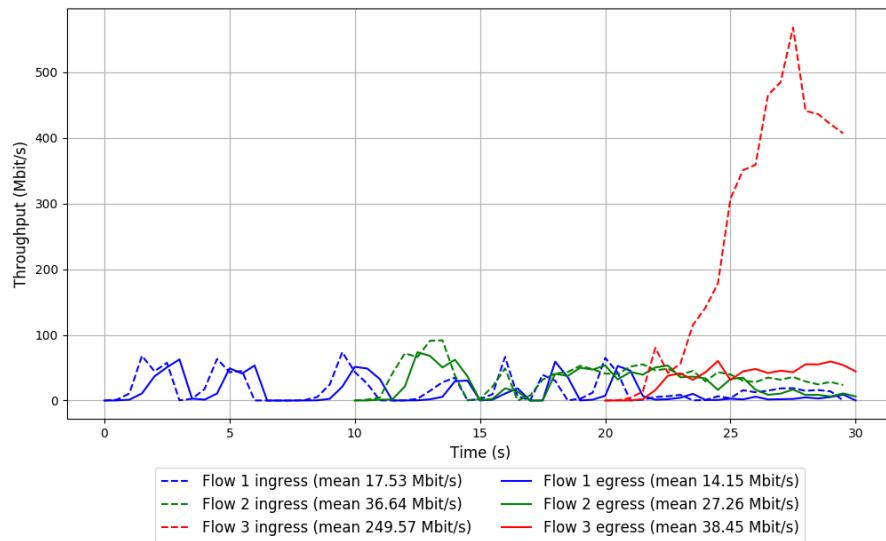


Run 5: Statistics of Verus

```
Start at: 2018-11-30 09:05:02
End at: 2018-11-30 09:05:32
Local clock offset: -6.636 ms
Remote clock offset: -67.963 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 157.080 ms
Loss rate: 63.62%
-- Flow 1:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 150.677 ms
Loss rate: 19.12%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 113.330 ms
Loss rate: 25.46%
-- Flow 3:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 161.225 ms
Loss rate: 84.51%
```

Run 5: Report of Verus — Data Link

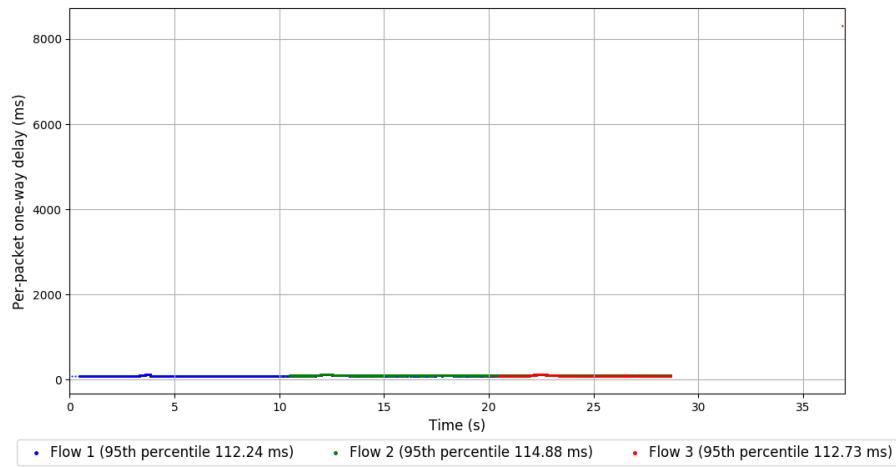
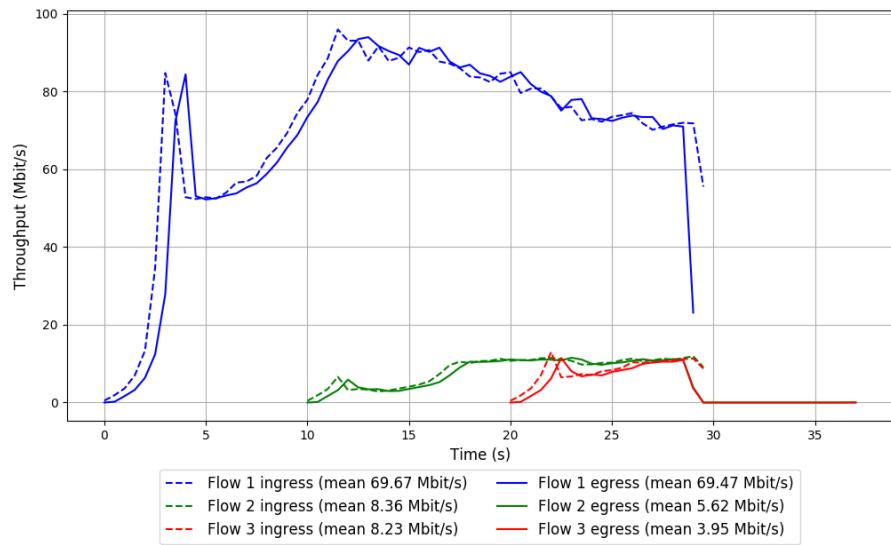


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-11-30 07:21:55
End at: 2018-11-30 07:22:25
Local clock offset: -7.635 ms
Remote clock offset: -36.785 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: 112.388 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 112.241 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 114.879 ms
Loss rate: 9.39%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 112.728 ms
Loss rate: 18.39%
```

Run 1: Report of PCC-Vivace — Data Link

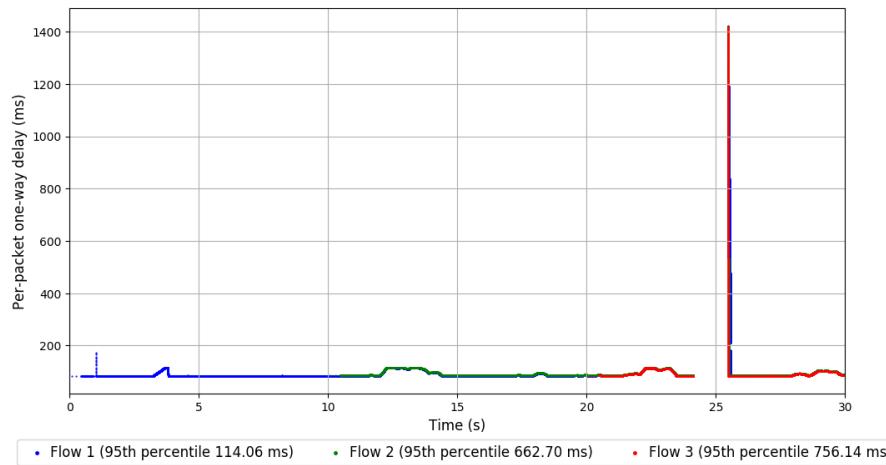
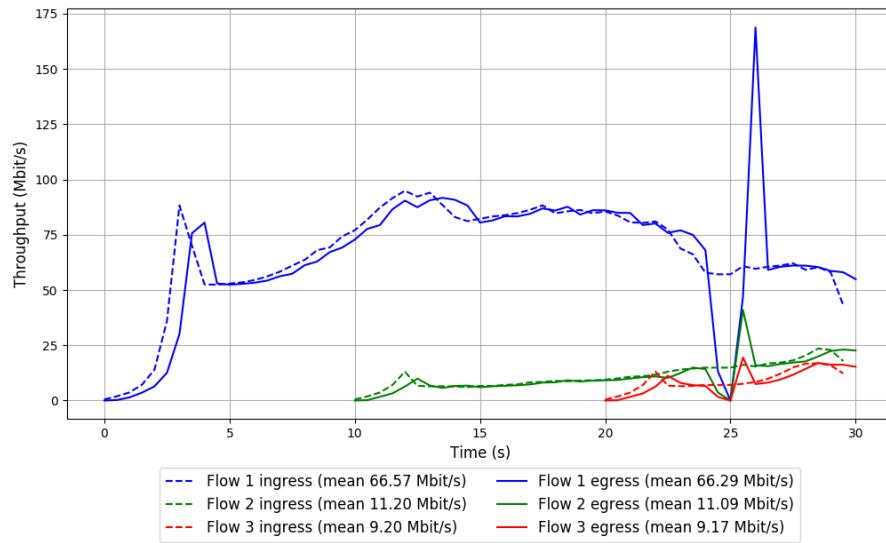


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-11-30 07:46:17
End at: 2018-11-30 07:46:47
Local clock offset: -6.267 ms
Remote clock offset: -42.917 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 115.524 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 66.29 Mbit/s
95th percentile per-packet one-way delay: 114.063 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 662.701 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 756.145 ms
Loss rate: 0.37%
```

Run 2: Report of PCC-Vivace — Data Link

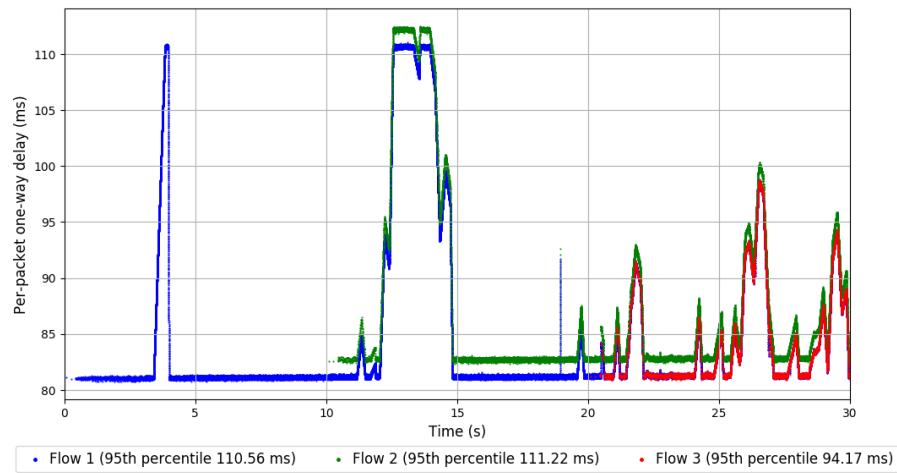
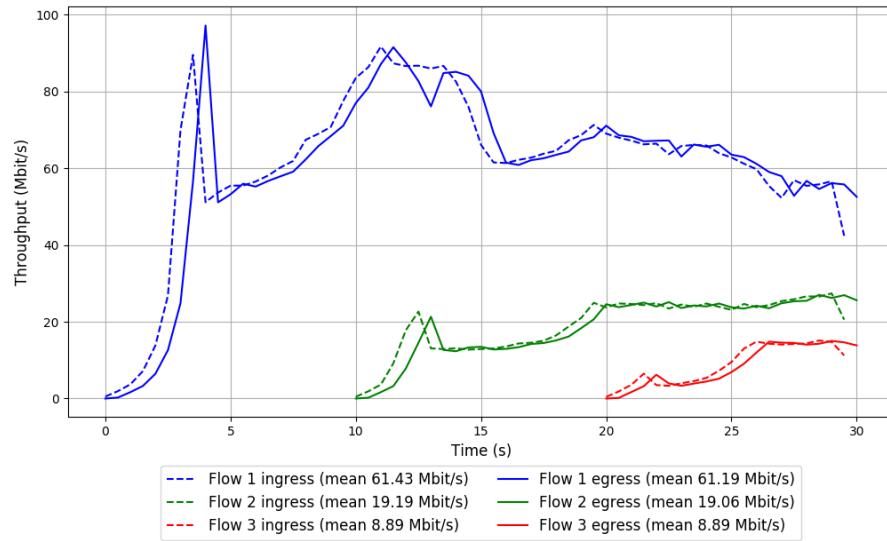


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-11-30 08:10:32
End at: 2018-11-30 08:11:02
Local clock offset: -7.961 ms
Remote clock offset: -53.503 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 110.548 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 110.561 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 111.225 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 94.168 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

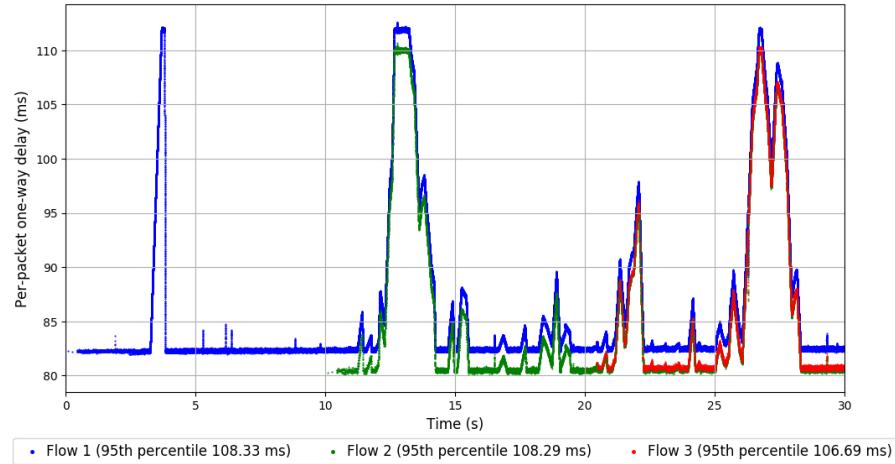
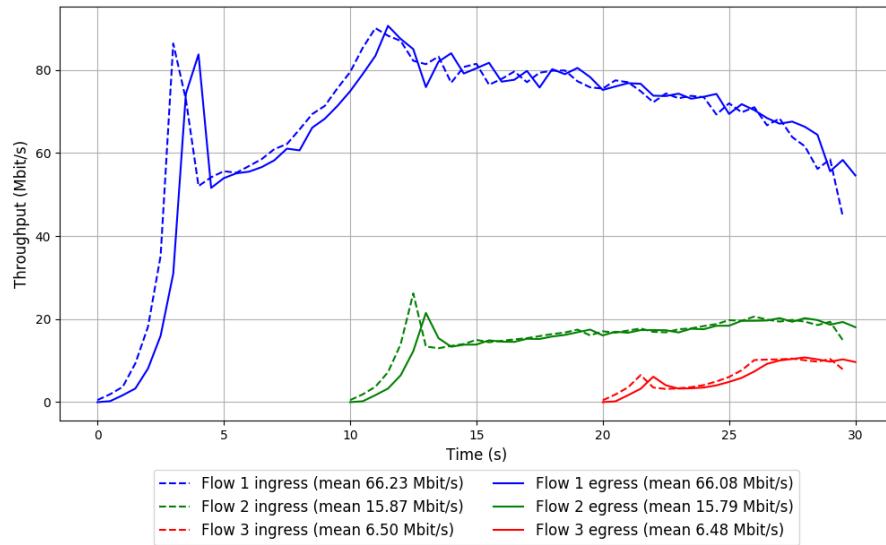


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-11-30 08:34:35
End at: 2018-11-30 08:35:05
Local clock offset: -7.161 ms
Remote clock offset: -59.859 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 108.260 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 108.334 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 108.294 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 106.689 ms
Loss rate: 0.16%
```

Run 4: Report of PCC-Vivace — Data Link

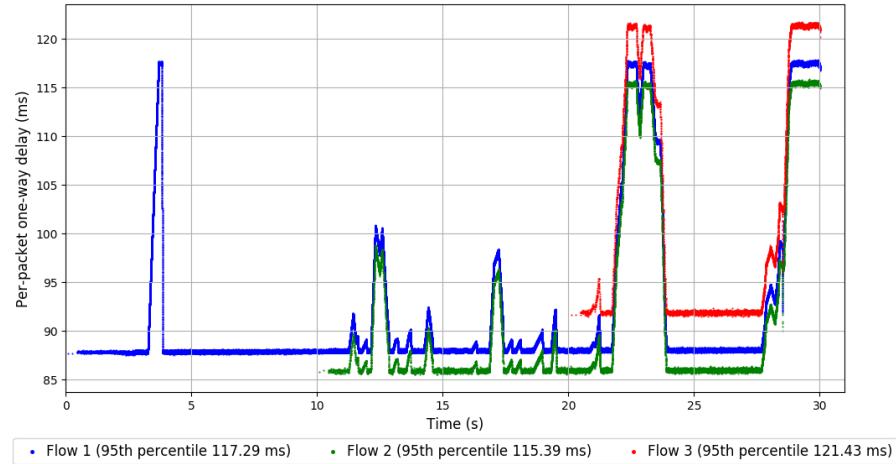
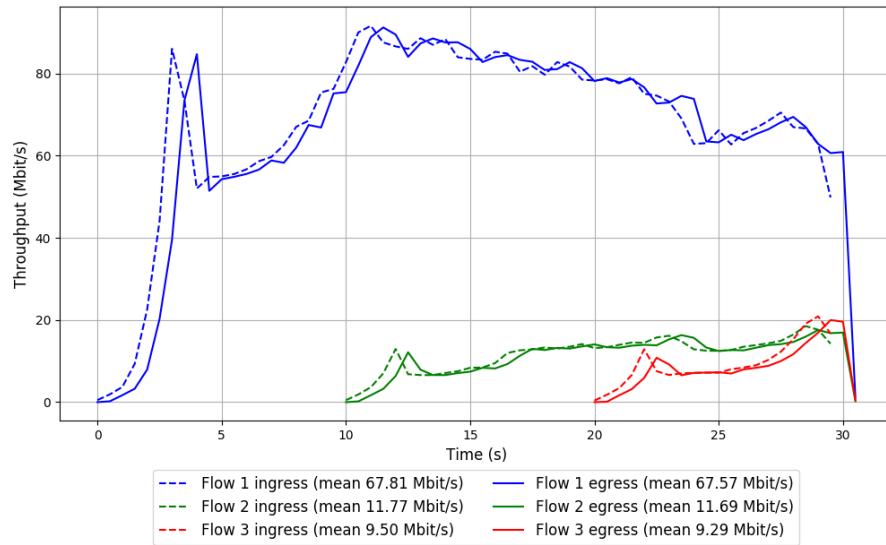


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-11-30 08:58:43
End at: 2018-11-30 08:59:13
Local clock offset: -7.464 ms
Remote clock offset: -61.568 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 117.345 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 117.290 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 115.386 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 121.427 ms
Loss rate: 1.95%
```

Run 5: Report of PCC-Vivace — Data Link

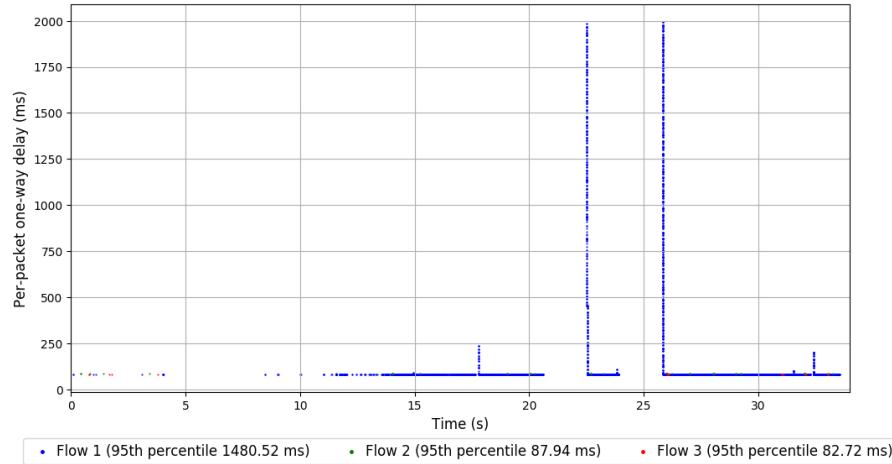
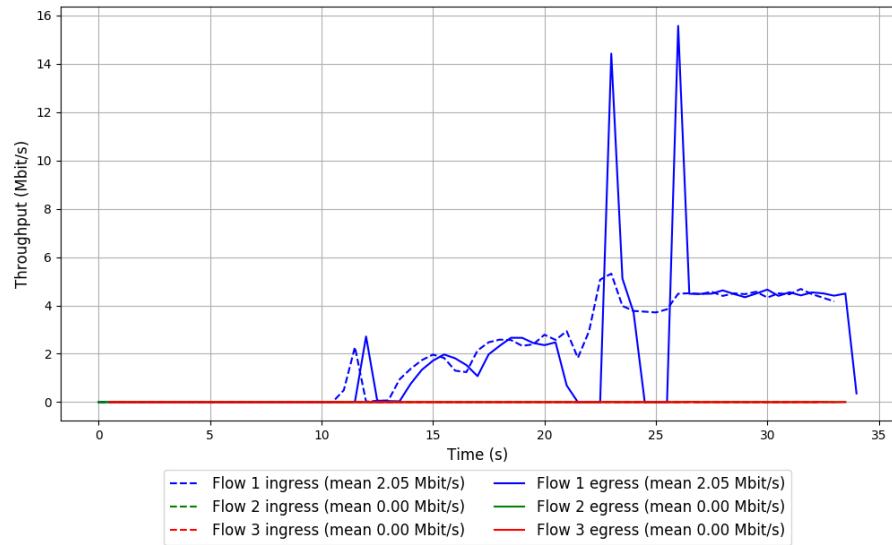


```
Run 1: Statistics of WebRTC media

Start at: 2018-11-30 07:23:20
End at: 2018-11-30 07:23:50
Local clock offset: -6.814 ms
Remote clock offset: -40.94 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 1480.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 1480.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.716 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

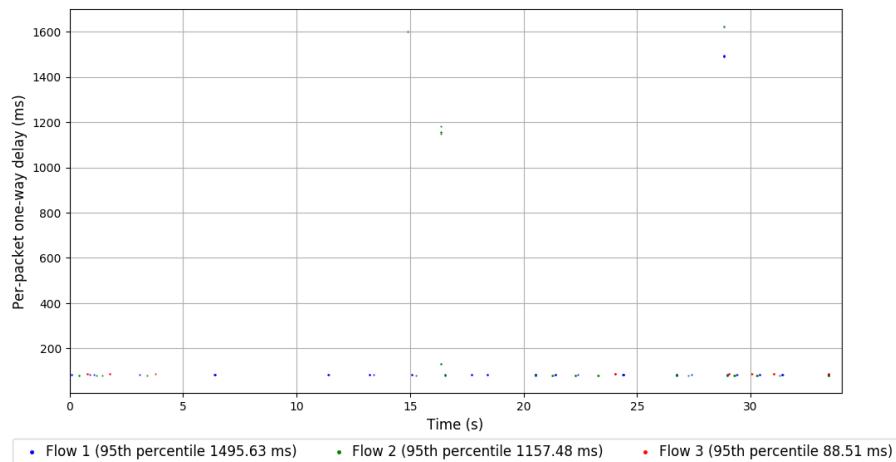
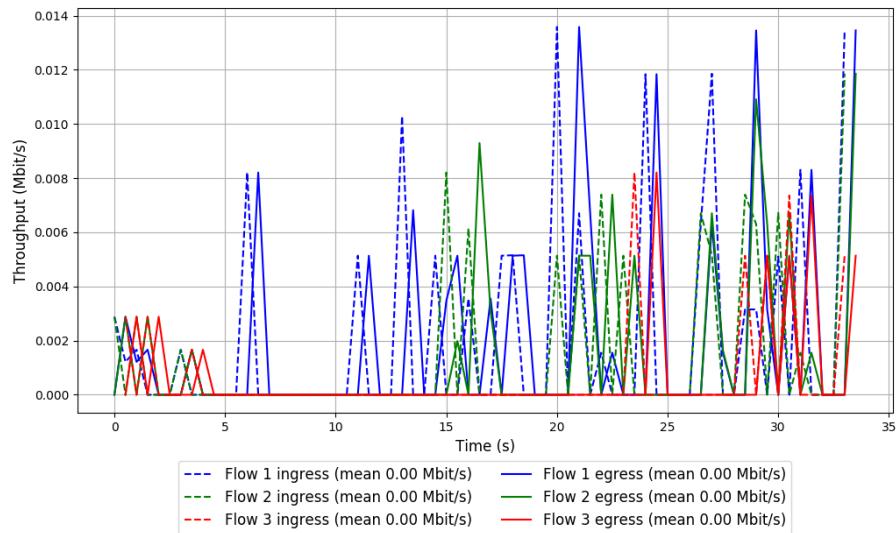


Run 2: Statistics of WebRTC media

```
Start at: 2018-11-30 07:47:36
End at: 2018-11-30 07:48:06
Local clock offset: -7.113 ms
Remote clock offset: -47.326 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1491.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1495.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1157.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 88.512 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

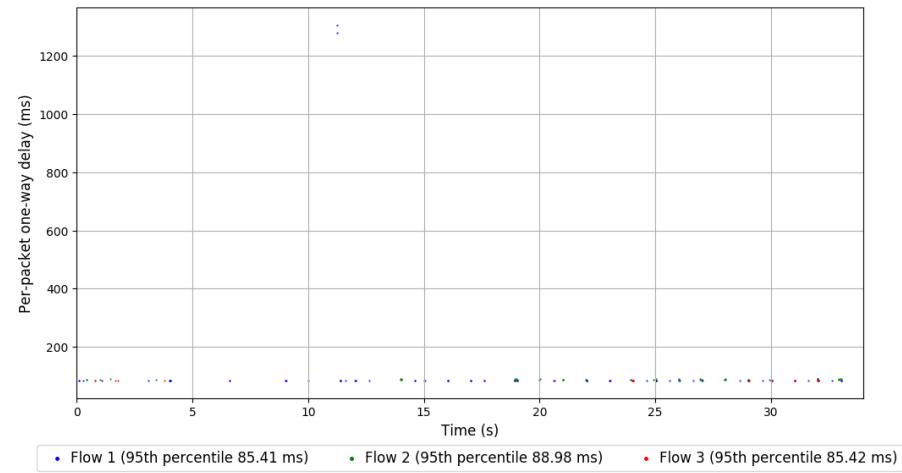
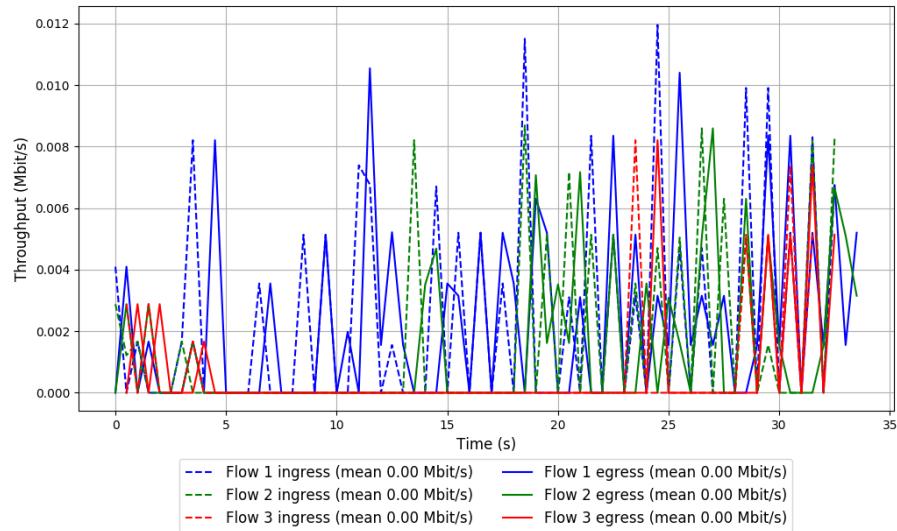


Run 3: Statistics of WebRTC media

```
Start at: 2018-11-30 08:11:51
End at: 2018-11-30 08:12:21
Local clock offset: -7.16 ms
Remote clock offset: -50.822 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 88.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 88.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.420 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

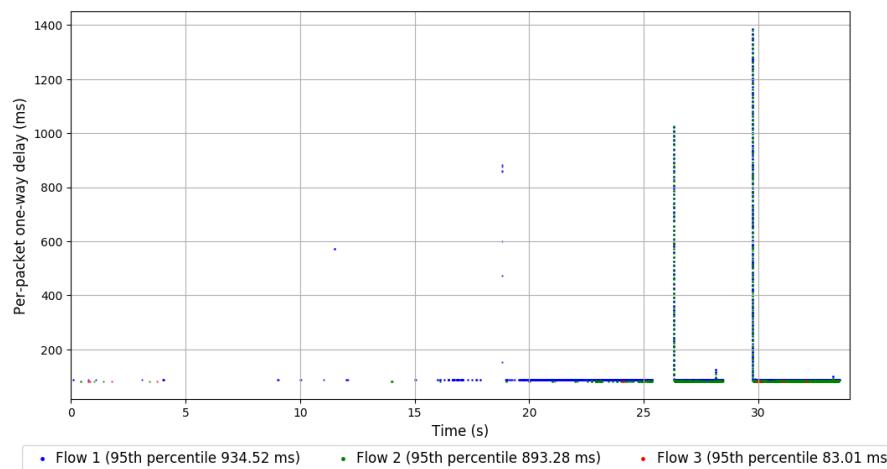
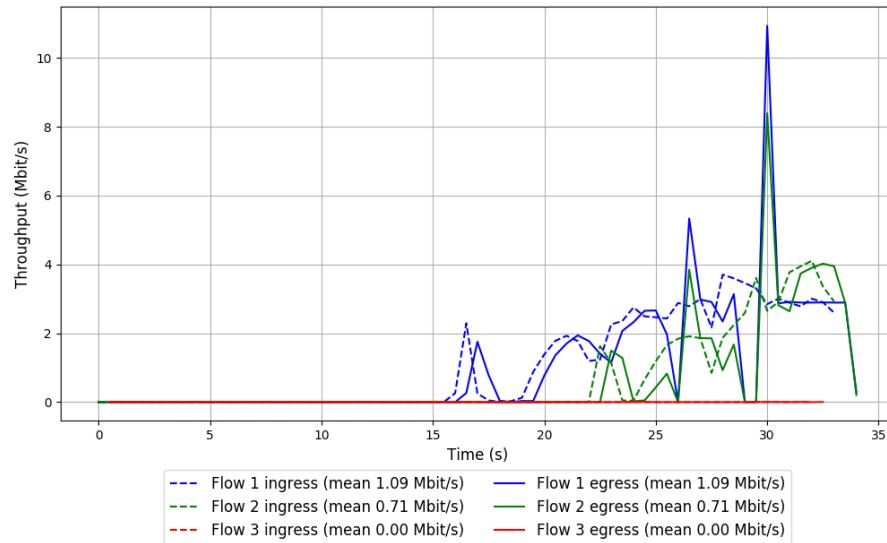


Run 4: Statistics of WebRTC media

```
Start at: 2018-11-30 08:35:54
End at: 2018-11-30 08:36:25
Local clock offset: -7.95 ms
Remote clock offset: -60.235 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 923.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 934.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 893.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.013 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2018-11-30 09:00:01
End at: 2018-11-30 09:00:31
Local clock offset: -7.43 ms
Remote clock offset: -62.887 ms

# Below is generated by plot.py at 2018-11-30 09:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 174.236 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 363.211 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 95.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 87.780 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

