

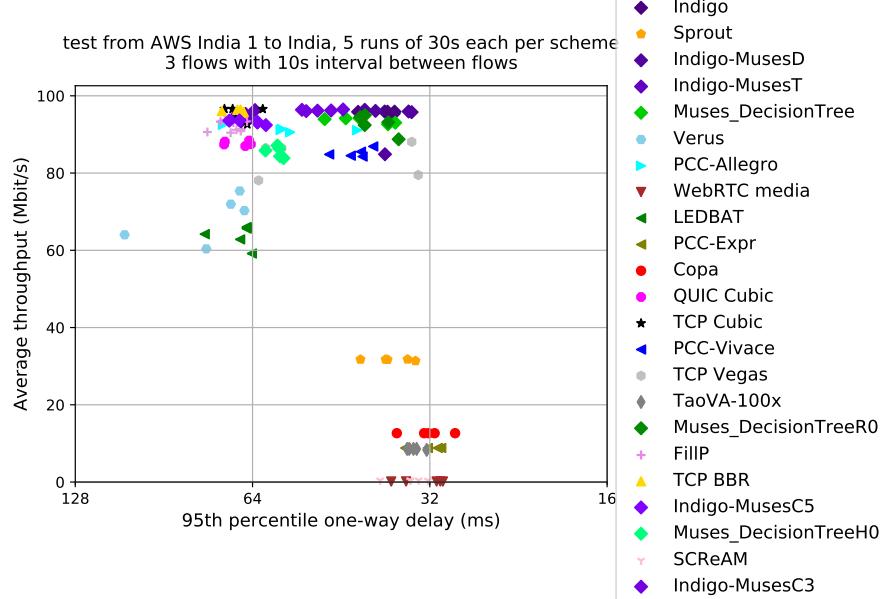
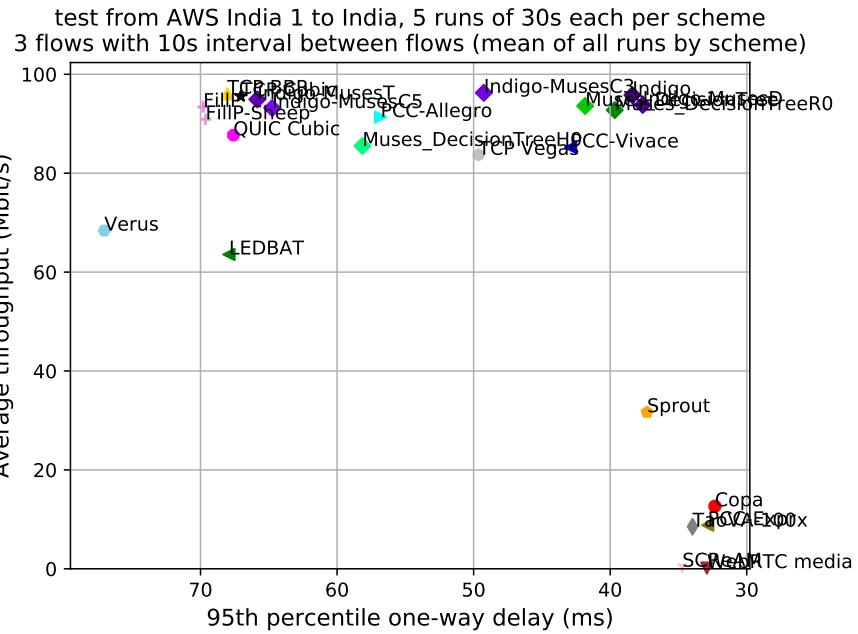
## Pantheon Report

Generated at 2019-12-11 09:17:18 (UTC).  
Data path: AWS India 1 on `ens5 (local)` → India on `em1 (remote)`.  
Repeated the test of 24 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:  
Linux 4.15.0-1054-aws  
`net.core.default_qdisc = fq`  
`net.core.rmem_default = 16777216`  
`net.core.rmem_max = 536870912`  
`net.core.wmem_default = 16777216`  
`net.core.wmem_max = 536870912`  
`net.ipv4.tcp_rmem = 4096 16777216 536870912`  
`net.ipv4.tcp_wmem = 4096 16777216 536870912`

Git summary:  
branch: `muses @ de42328552b3776a75a932a94dfaf722537b0ec`  
`third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519`  
`third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9`  
`third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4`  
`third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d`  
`third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf`  
`third_party/muses @ 5ce721187ad823da20955337730c746486ca4966`  
`third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200`  
`third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd`  
`third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1`  
M `receiver/src/buffer.h`  
M `receiver/src/core.cpp`  
M `sender/src/buffer.h`  
M `sender/src/core.cpp`  
`third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab`  
`third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42`  
`third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2`  
M `src/ScreamClient`  
M `src/ScreamServer`  
`third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26`  
M `src/examples/cellsim.cc`  
M `src/examples/sproutbt2.cc`  
M `src/network/sproutconn.cc`  
`third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494`  
M `src/verus.hpp`

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



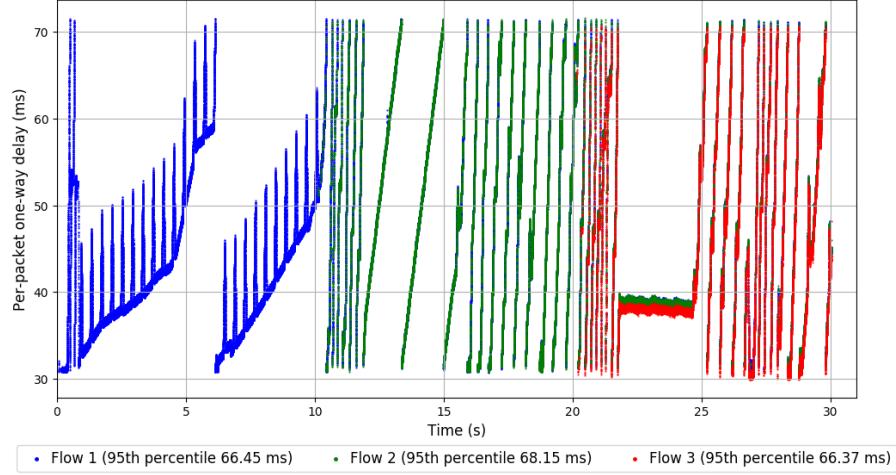
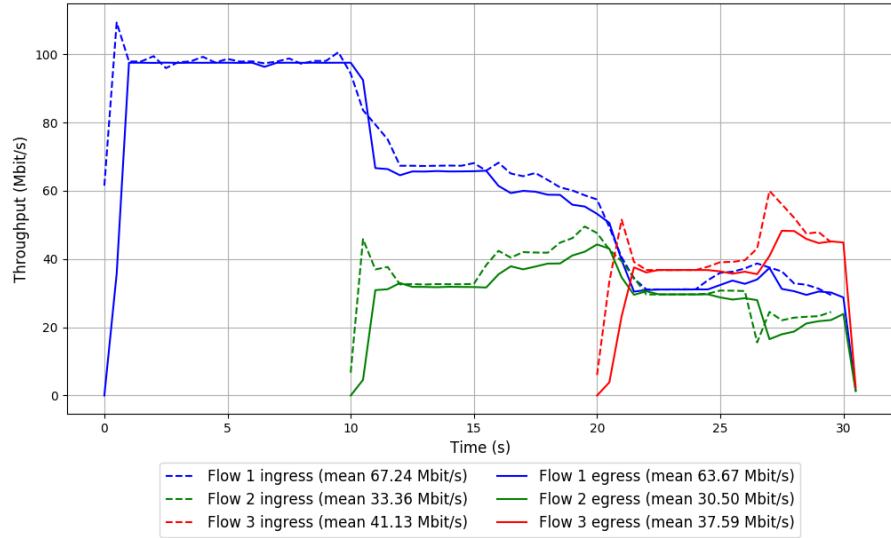
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	61.03	33.52	38.85	67.04	69.03	68.73	5.99	10.50	12.03
Copa	5	9.10	5.34	0.01	32.35	32.19	33.84	72.37	74.29	94.51
TCP Cubic	5	62.49	36.33	26.66	67.00	65.92	66.63	0.58	0.46	3.07
FillP	5	56.92	40.72	28.60	68.35	70.90	70.99	30.19	48.04	57.93
FillP-Sheep	5	55.22	40.05	27.23	67.06	71.37	70.59	7.48	14.31	17.04
Indigo	5	63.49	33.28	31.36	37.64	39.88	39.22	0.01	0.01	0.02
Indigo-MusesC3	5	50.61	48.84	47.96	44.39	49.88	54.34	0.05	0.09	0.38
Indigo-MusesC5	5	54.00	50.60	22.12	57.15	66.54	67.92	5.05	13.31	25.74
Indigo-MusesD	5	51.94	47.17	38.76	37.20	37.37	38.09	0.02	0.00	0.00
Indigo-MusesT	5	57.51	48.97	19.47	63.78	67.02	68.17	4.87	9.44	15.34
LEDBAT	5	40.40	27.38	14.89	66.36	69.14	69.84	0.09	0.23	0.57
Muses_DecisionTree	5	51.48	39.07	50.02	39.50	43.81	41.49	0.04	0.01	0.02
Muses_DecisionTreeH0	5	53.45	40.23	16.70	55.40	60.76	60.82	2.63	4.65	5.99
Muses_DecisionTreeR0	5	55.75	30.14	52.57	38.50	40.07	41.21	0.03	0.02	0.00
PCC-Allegro	5	81.46	10.68	8.45	56.77	58.80	53.16	1.46	1.09	0.67
PCC-Expr	5	0.04	10.16	6.23	32.21	32.87	32.56	85.71	54.64	31.98
QUIC Cubic	5	62.89	28.48	18.00	67.52	67.70	67.52	2.17	1.53	1.81
SCReAM	5	0.22	0.21	0.22	34.54	34.29	32.31	0.00	0.09	0.00
Sprout	5	15.97	15.83	15.66	36.77	37.40	38.08	0.05	0.04	0.15
TaoVA-100x	5	0.00	7.98	9.67	32.70	34.87	35.06	95.92	85.97	75.51
TCP Vegas	5	36.15	55.39	32.09	42.92	49.21	37.89	1.30	0.43	0.21
Verus	5	49.52	20.19	20.52	75.92	70.40	63.36	45.99	39.16	37.77
PCC-Vivace	5	61.04	28.58	15.63	43.32	42.69	41.54	0.08	0.94	0.09
WebRTC media	5	0.05	0.06	0.06	31.08	31.68	32.83	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-12-11 06:56:07
End at: 2019-12-11 06:56:37
Local clock offset: 4.4 ms
Remote clock offset: -5.846 ms

# Below is generated by plot.py at 2019-12-11 09:04:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 67.085 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 66.453 ms
Loss rate: 5.27%
-- Flow 2:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 68.154 ms
Loss rate: 8.64%
-- Flow 3:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 66.369 ms
Loss rate: 8.79%
```

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

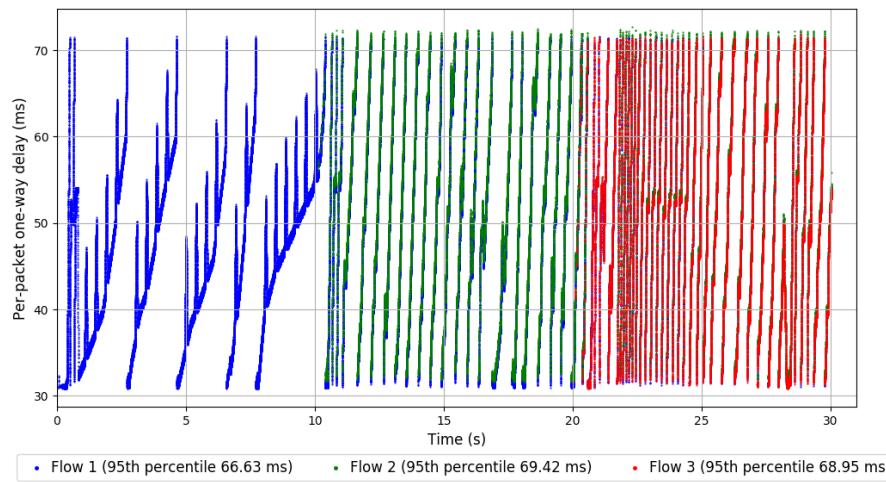
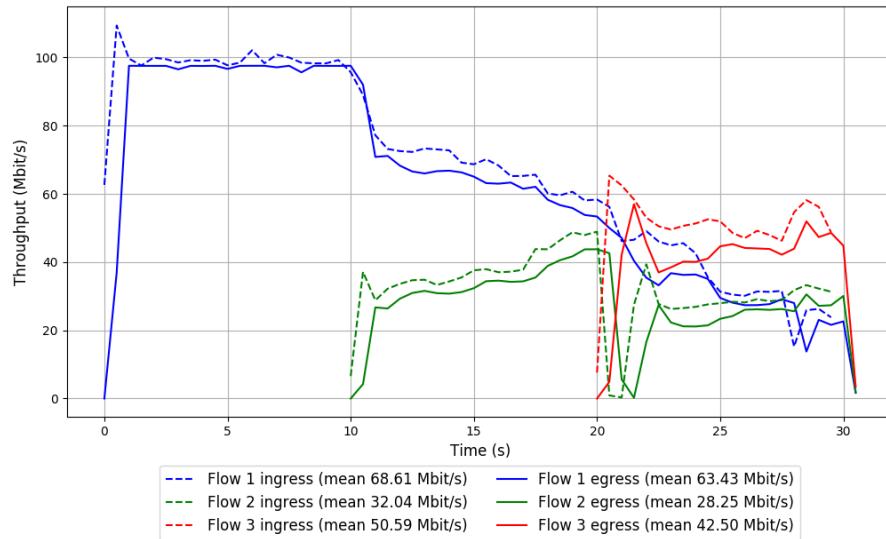


Run 2: Statistics of TCP BBR

```
Start at: 2019-12-11 07:26:59
End at: 2019-12-11 07:27:29
Local clock offset: 4.317 ms
Remote clock offset: -3.959 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 67.922 ms
Loss rate: 9.66%
-- Flow 1:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 66.632 ms
Loss rate: 7.48%
-- Flow 2:
Average throughput: 28.25 Mbit/s
95th percentile per-packet one-way delay: 69.421 ms
Loss rate: 11.85%
-- Flow 3:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 68.949 ms
Loss rate: 15.80%
```

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

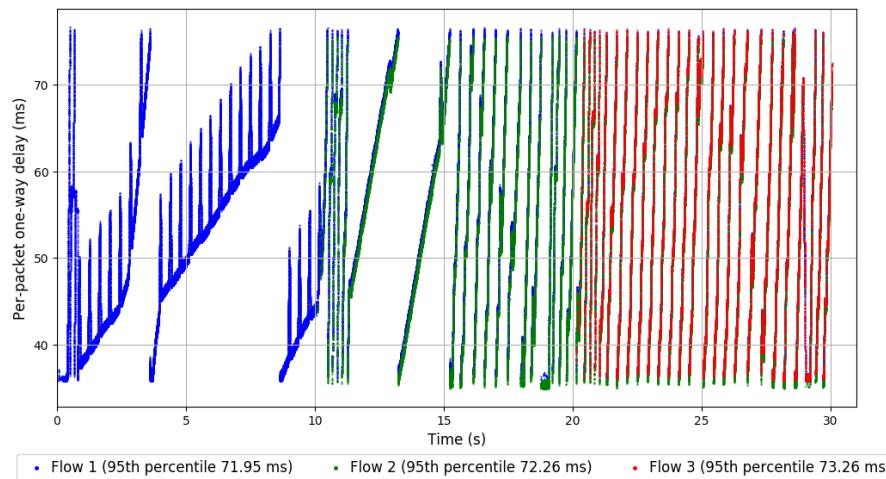
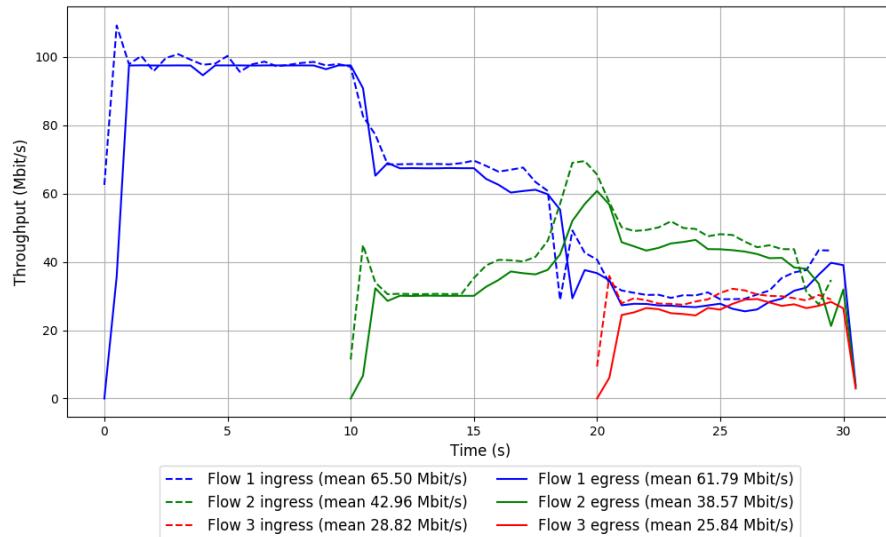


Run 3: Statistics of TCP BBR

```
Start at: 2019-12-11 07:57:54
End at: 2019-12-11 07:58:24
Local clock offset: 1.704 ms
Remote clock offset: -4.383 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 72.185 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 71.947 ms
Loss rate: 5.57%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 72.261 ms
Loss rate: 10.10%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 73.257 ms
Loss rate: 10.34%
```

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

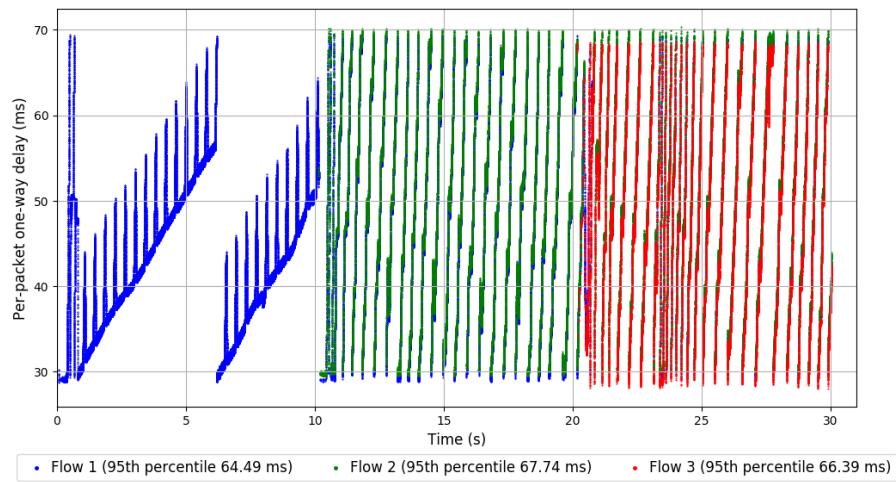
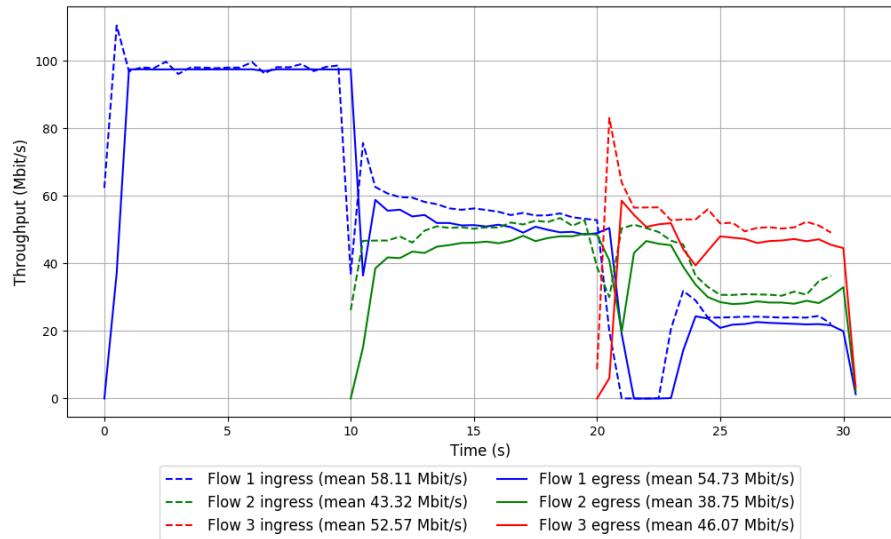


Run 4: Statistics of TCP BBR

```
Start at: 2019-12-11 08:27:33
End at: 2019-12-11 08:28:03
Local clock offset: 6.383 ms
Remote clock offset: -7.0 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 66.244 ms
Loss rate: 8.24%
-- Flow 1:
Average throughput: 54.73 Mbit/s
95th percentile per-packet one-way delay: 64.490 ms
Loss rate: 5.77%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 67.743 ms
Loss rate: 10.61%
-- Flow 3:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 66.390 ms
Loss rate: 12.52%
```

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

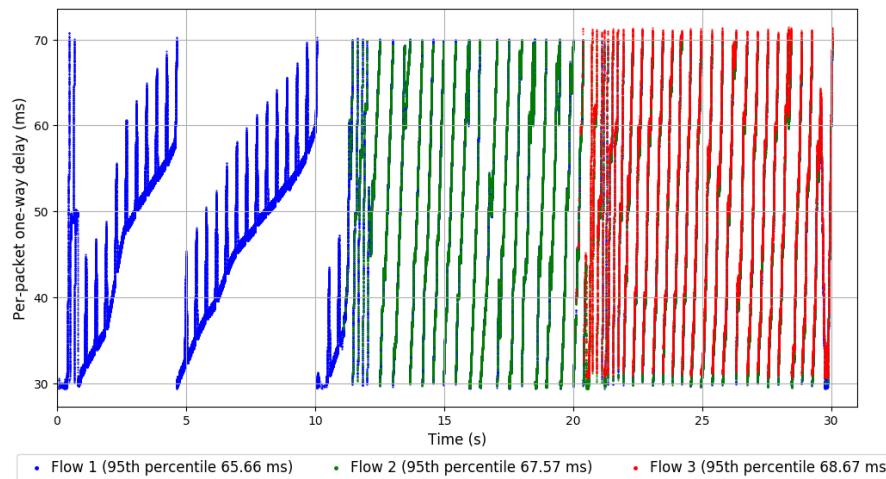
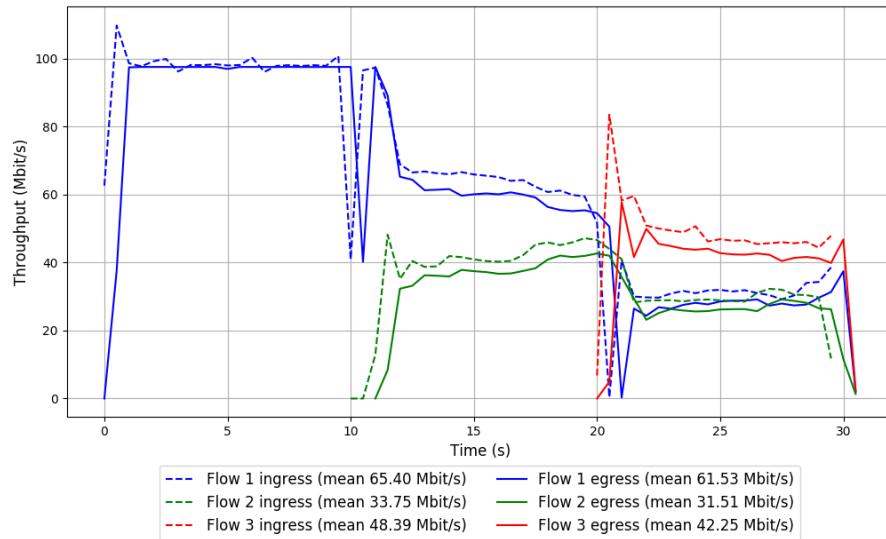


Run 5: Statistics of TCP BBR

```
Start at: 2019-12-11 08:56:37
End at: 2019-12-11 08:57:07
Local clock offset: 4.131 ms
Remote clock offset: -6.455 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 66.763 ms
Loss rate: 8.11%
-- Flow 1:
Average throughput: 61.53 Mbit/s
95th percentile per-packet one-way delay: 65.663 ms
Loss rate: 5.88%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 67.572 ms
Loss rate: 11.30%
-- Flow 3:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 68.675 ms
Loss rate: 12.68%
```

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

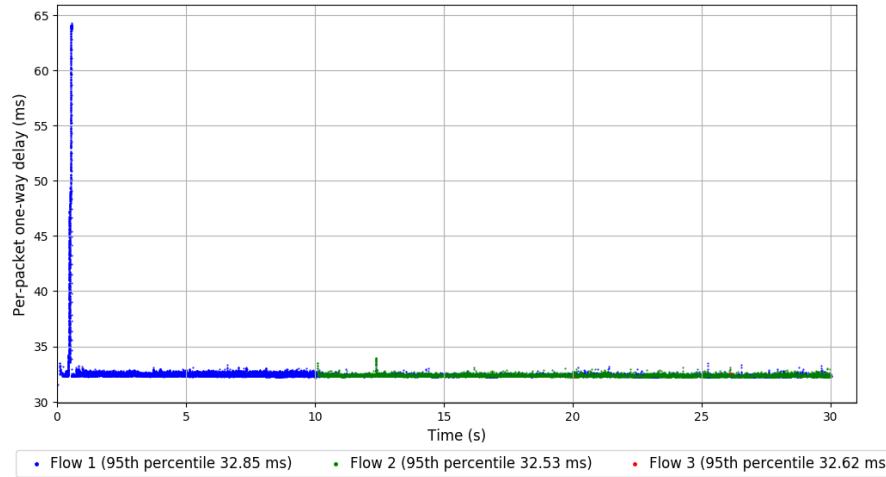
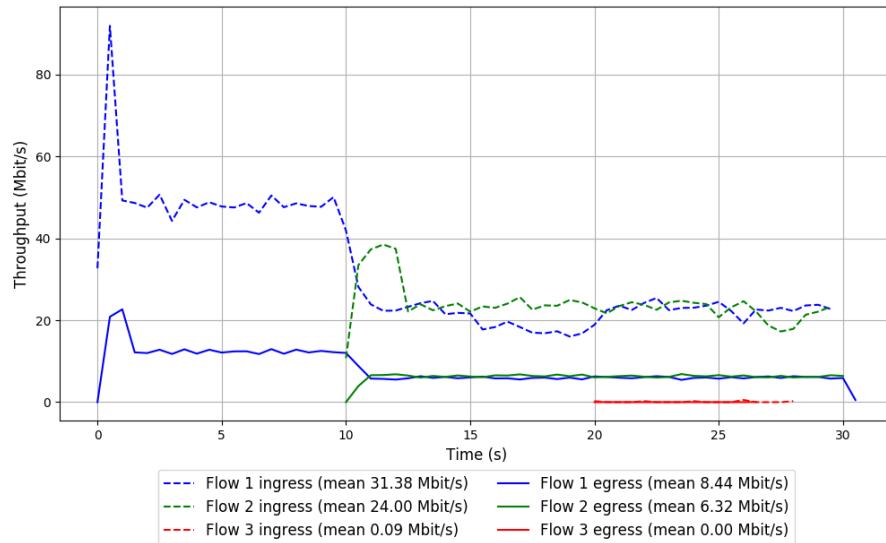


Run 1: Statistics of Copa

```
Start at: 2019-12-11 06:39:33
End at: 2019-12-11 06:40:04
Local clock offset: 5.992 ms
Remote clock offset: -4.112 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 32.724 ms
Loss rate: 73.30%
-- Flow 1:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 32.852 ms
Loss rate: 73.11%
-- Flow 2:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 32.530 ms
Loss rate: 73.65%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.615 ms
Loss rate: 96.64%
```

## Run 1: Report of Copa — Data Link

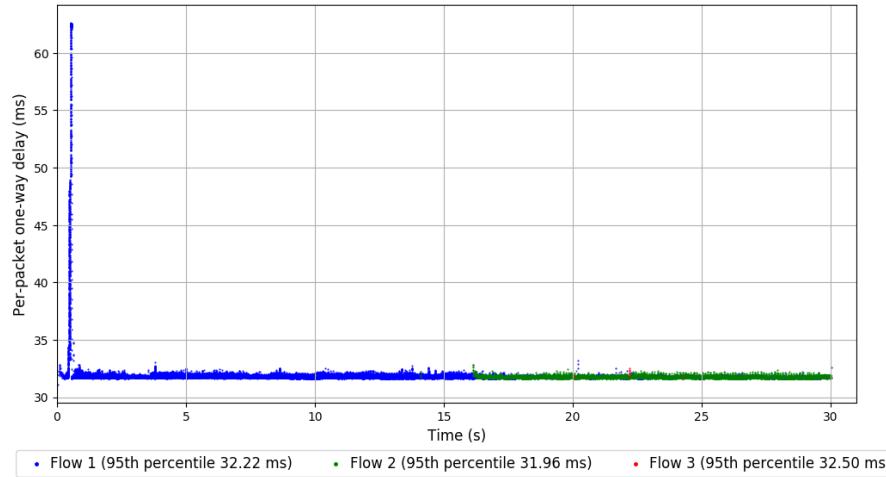
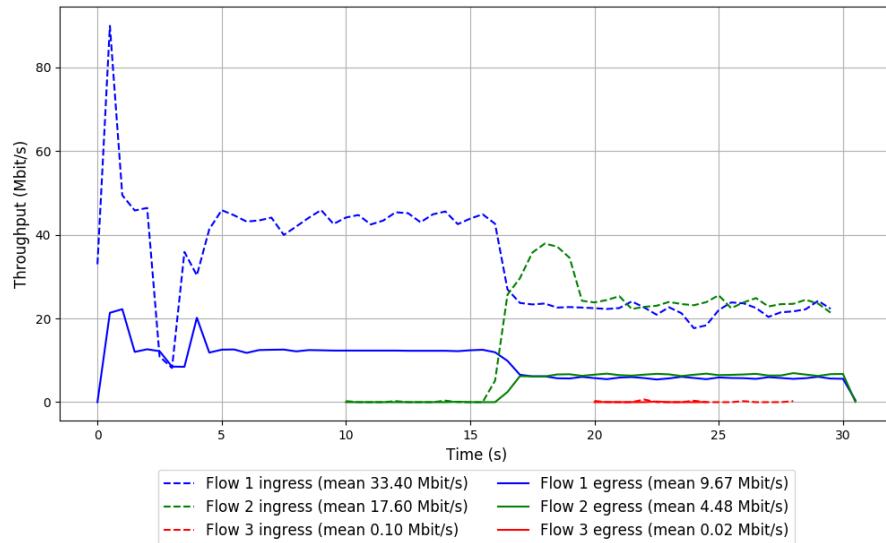


Run 2: Statistics of Copa

```
Start at: 2019-12-11 07:09:53
End at: 2019-12-11 07:10:23
Local clock offset: 4.708 ms
Remote clock offset: -3.932 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 32.141 ms
Loss rate: 71.98%
-- Flow 1:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 32.222 ms
Loss rate: 71.06%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 74.57%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 32.499 ms
Loss rate: 88.78%
```

## Run 2: Report of Copa — Data Link

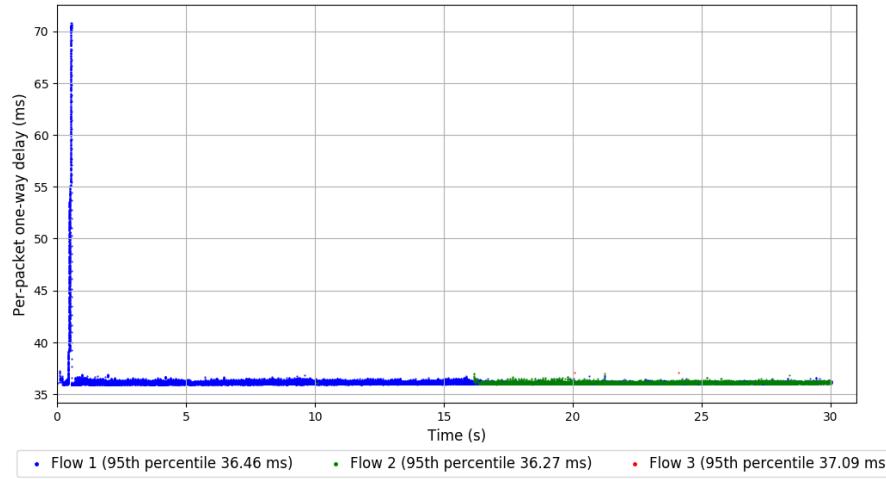
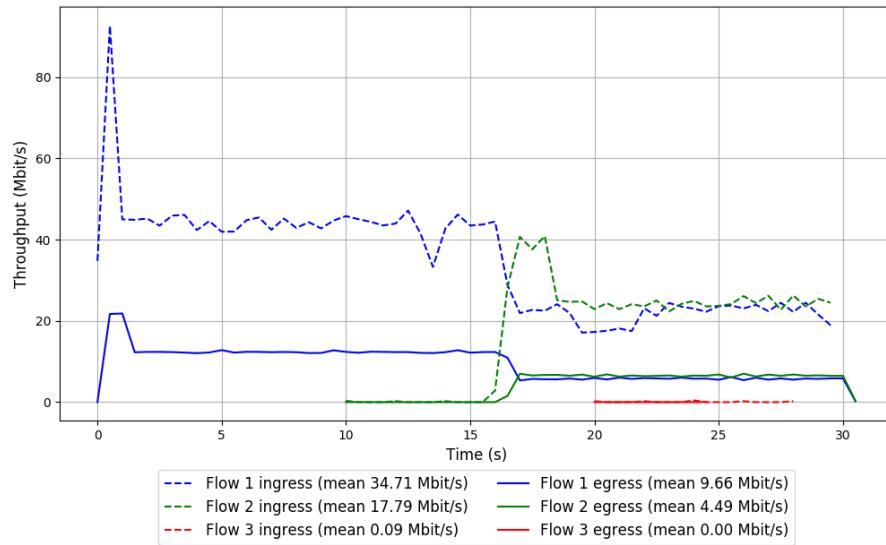


Run 3: Statistics of Copa

```
Start at: 2019-12-11 07:41:23
End at: 2019-12-11 07:41:53
Local clock offset: -0.087 ms
Remote clock offset: -4.287 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 36.405 ms
Loss rate: 72.84%
-- Flow 1:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 36.464 ms
Loss rate: 72.16%
-- Flow 2:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 36.265 ms
Loss rate: 74.78%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 37.085 ms
Loss rate: 98.13%
```

### Run 3: Report of Copa — Data Link

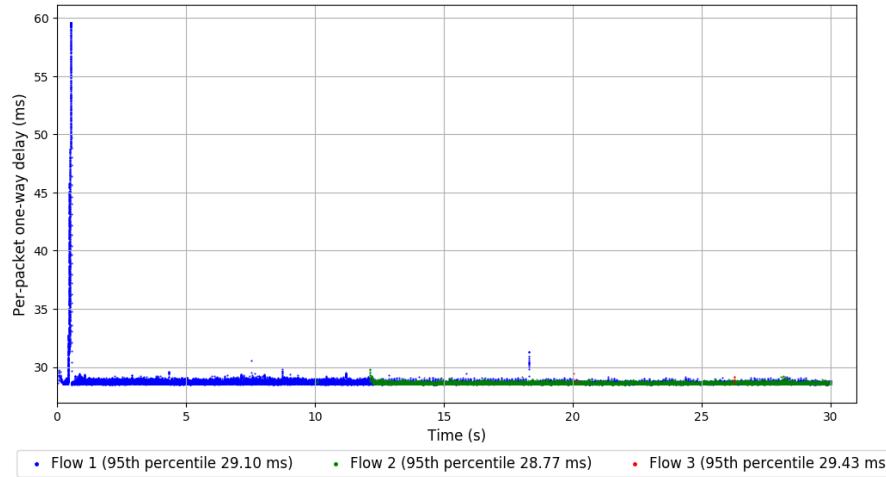
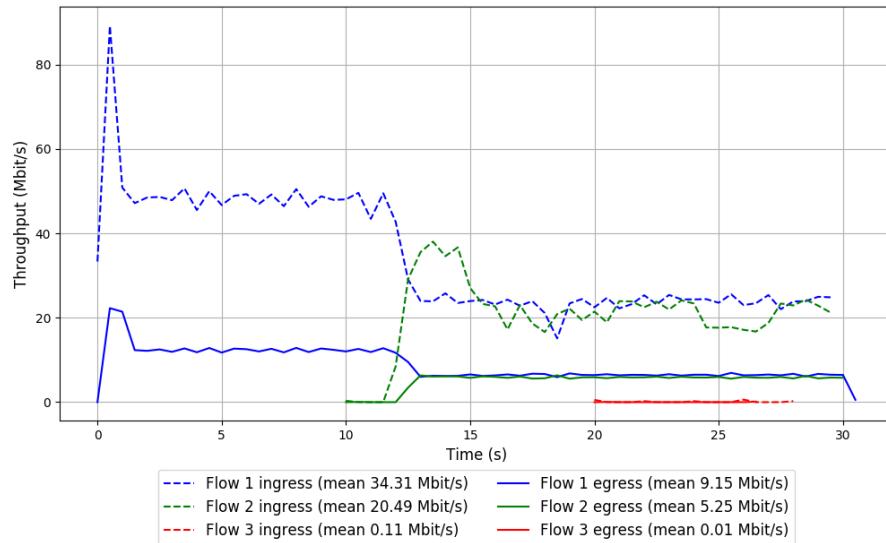


Run 4: Statistics of Copa

```
Start at: 2019-12-11 08:11:27
End at: 2019-12-11 08:11:57
Local clock offset: 7.035 ms
Remote clock offset: -6.773 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 28.993 ms
Loss rate: 73.63%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 29.096 ms
Loss rate: 73.32%
-- Flow 2:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 28.770 ms
Loss rate: 74.37%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 29.433 ms
Loss rate: 90.81%
```

## Run 4: Report of Copa — Data Link

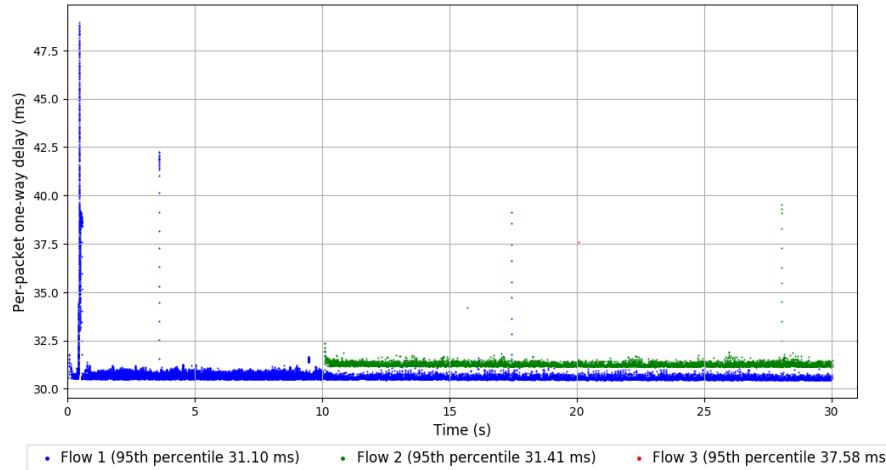
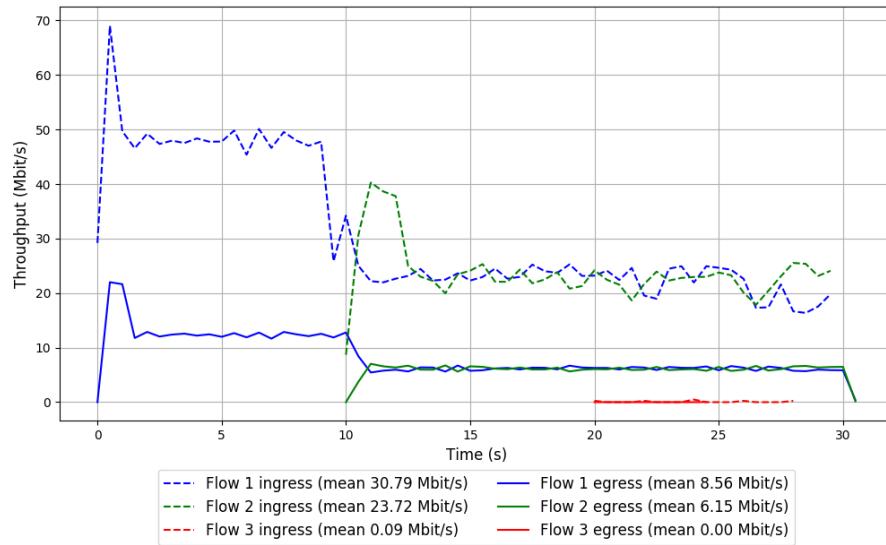


Run 5: Statistics of Copa

```
Start at: 2019-12-11 08:41:05
End at: 2019-12-11 08:41:35
Local clock offset: 3.915 ms
Remote clock offset: -7.132 ms

# Below is generated by plot.py at 2019-12-11 09:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 31.403 ms
Loss rate: 72.86%
-- Flow 1:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 72.21%
-- Flow 2:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 31.415 ms
Loss rate: 74.08%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 37.584 ms
Loss rate: 98.19%
```

## Run 5: Report of Copa — Data Link

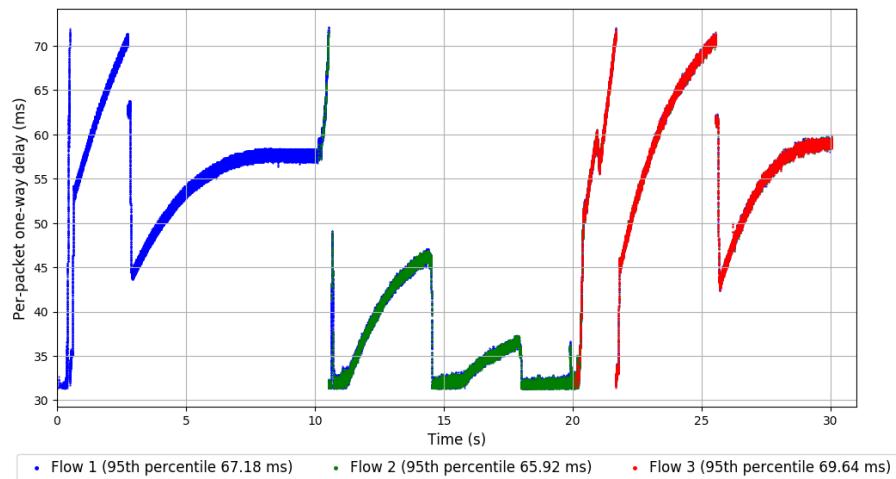
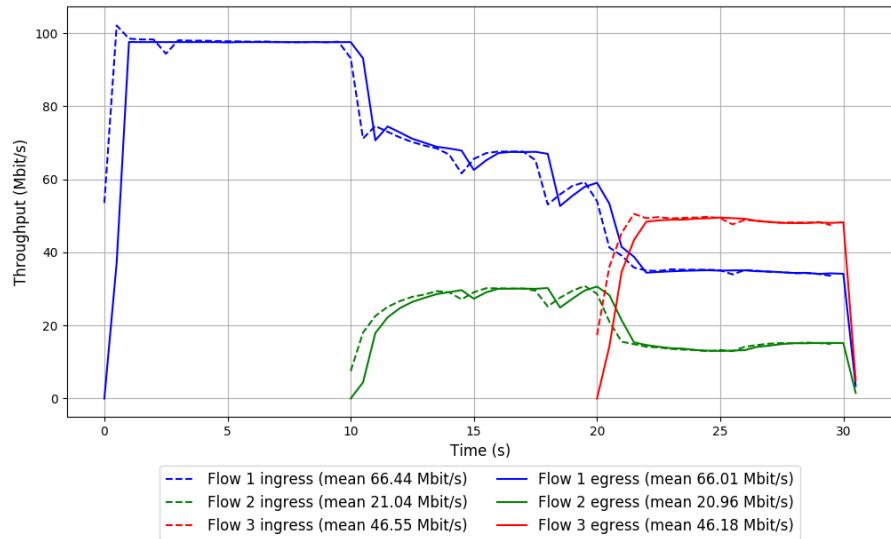


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-12-11 06:54:53
End at: 2019-12-11 06:55:23
Local clock offset: 2.513 ms
Remote clock offset: -6.513 ms

# Below is generated by plot.py at 2019-12-11 09:04:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 67.827 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 65.924 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 69.643 ms
Loss rate: 0.53%
```

Run 1: Report of TCP Cubic — Data Link

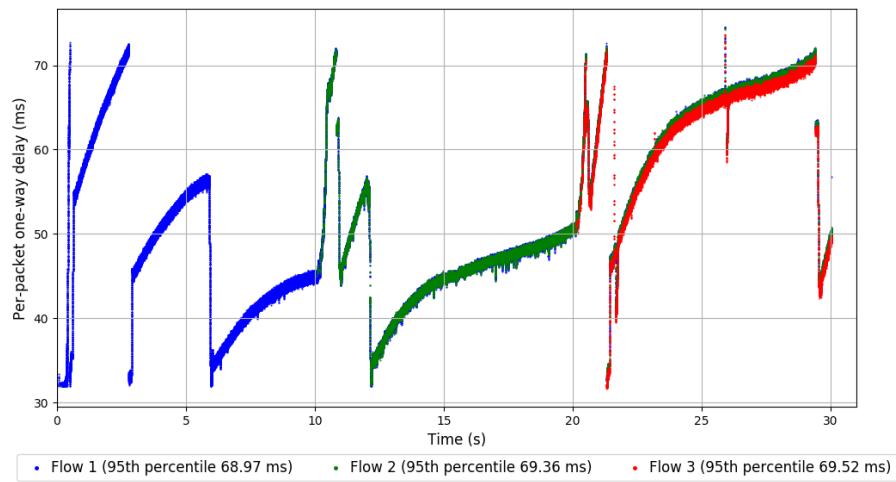
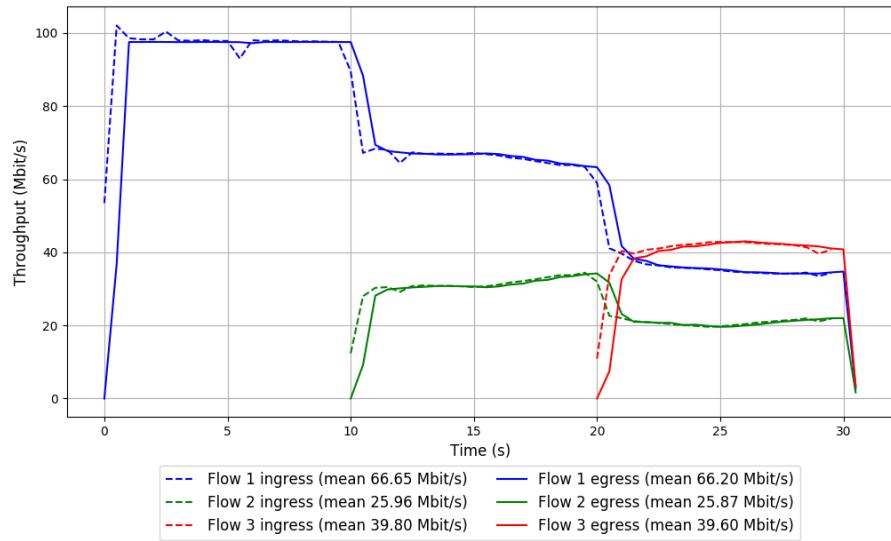


Run 2: Statistics of TCP Cubic

```
Start at: 2019-12-11 07:25:27
End at: 2019-12-11 07:25:57
Local clock offset: 2.449 ms
Remote clock offset: -5.555 ms

# Below is generated by plot.py at 2019-12-11 09:04:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 69.185 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 66.20 Mbit/s
95th percentile per-packet one-way delay: 68.965 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 25.87 Mbit/s
95th percentile per-packet one-way delay: 69.356 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 69.519 ms
Loss rate: 0.49%
```

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

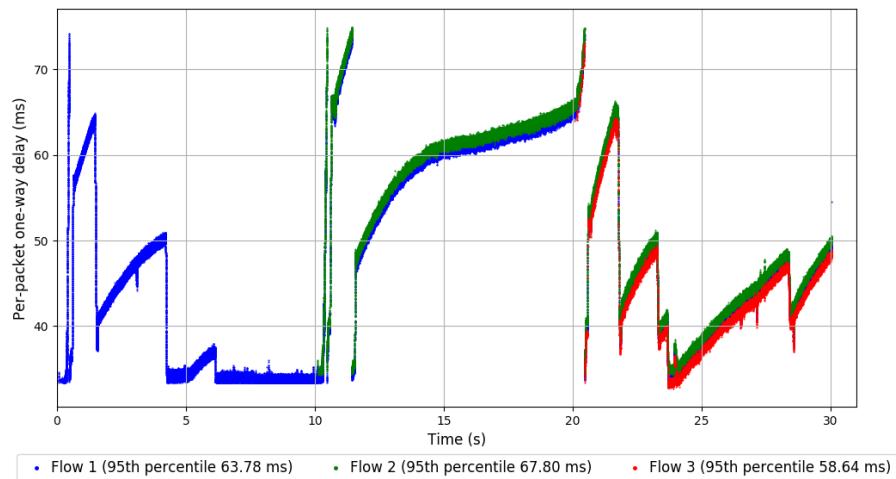
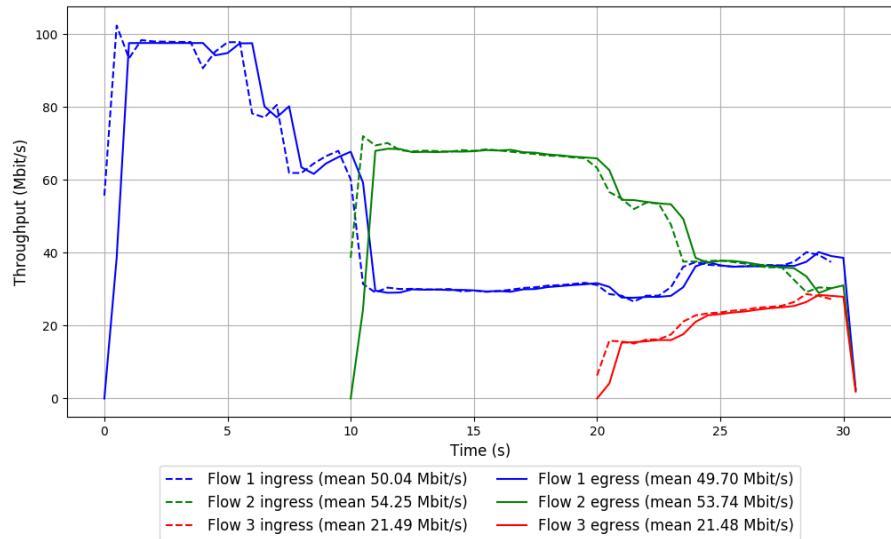


Run 3: Statistics of TCP Cubic

```
Start at: 2019-12-11 07:56:36
End at: 2019-12-11 07:57:06
Local clock offset: 4.37 ms
Remote clock offset: -3.942 ms

# Below is generated by plot.py at 2019-12-11 09:04:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 65.320 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 63.784 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 67.802 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 58.643 ms
Loss rate: 0.22%
```

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

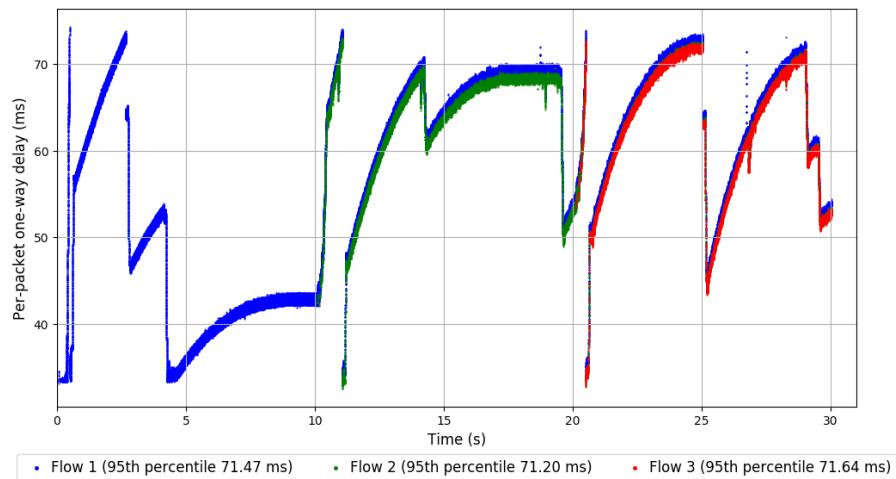
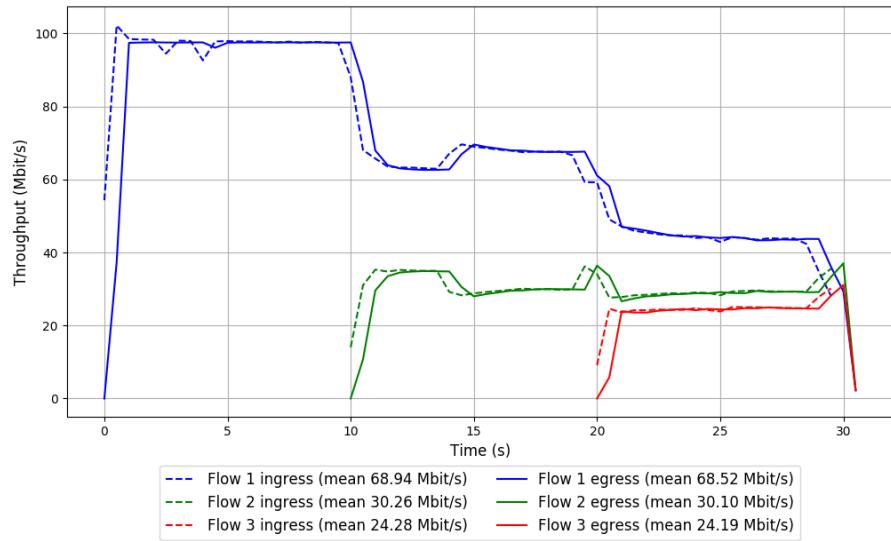


Run 4: Statistics of TCP Cubic

```
Start at: 2019-12-11 08:26:17
End at: 2019-12-11 08:26:47
Local clock offset: 2.754 ms
Remote clock offset: -6.873 ms

# Below is generated by plot.py at 2019-12-11 09:05:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 71.425 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 71.471 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 71.202 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 71.639 ms
Loss rate: 0.37%
```

Run 4: Report of TCP Cubic — Data Link

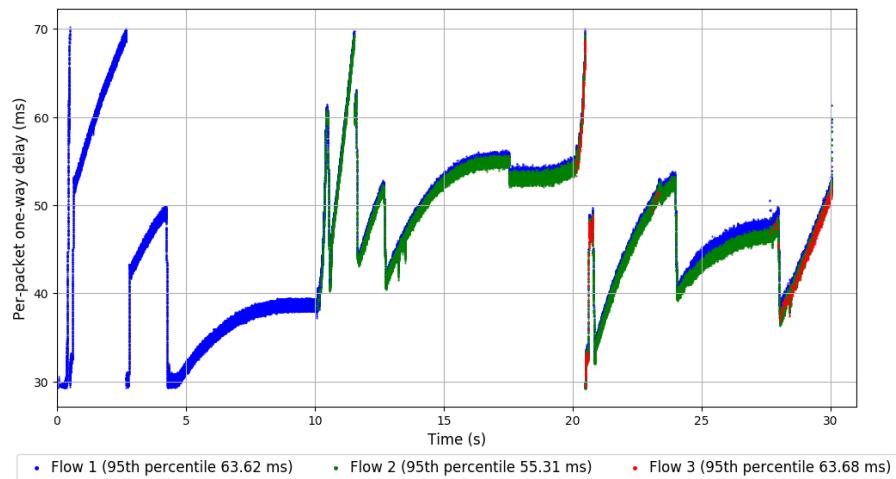
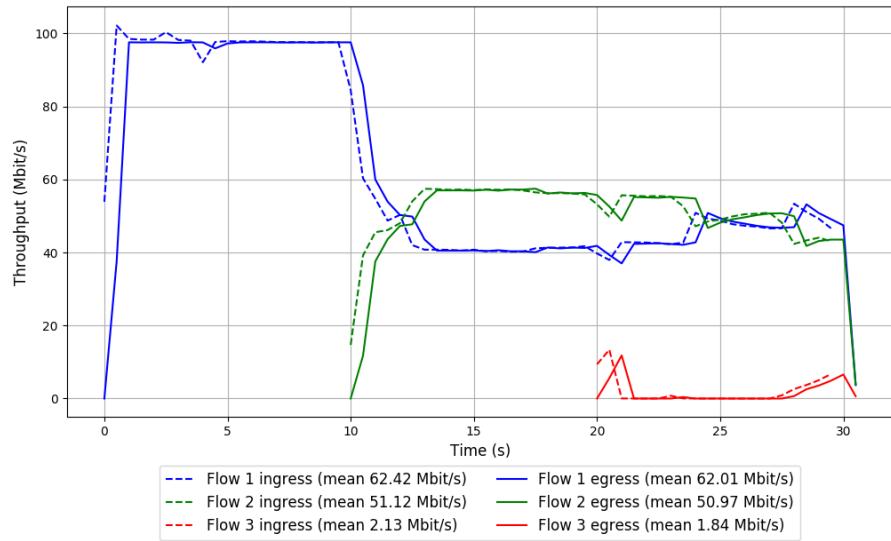


Run 5: Statistics of TCP Cubic

```
Start at: 2019-12-11 08:55:24
End at: 2019-12-11 08:55:54
Local clock offset: 4.865 ms
Remote clock offset: -7.077 ms

# Below is generated by plot.py at 2019-12-11 09:05:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 63.625 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 55.307 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 63.683 ms
Loss rate: 13.72%
```

Run 5: Report of TCP Cubic — Data Link

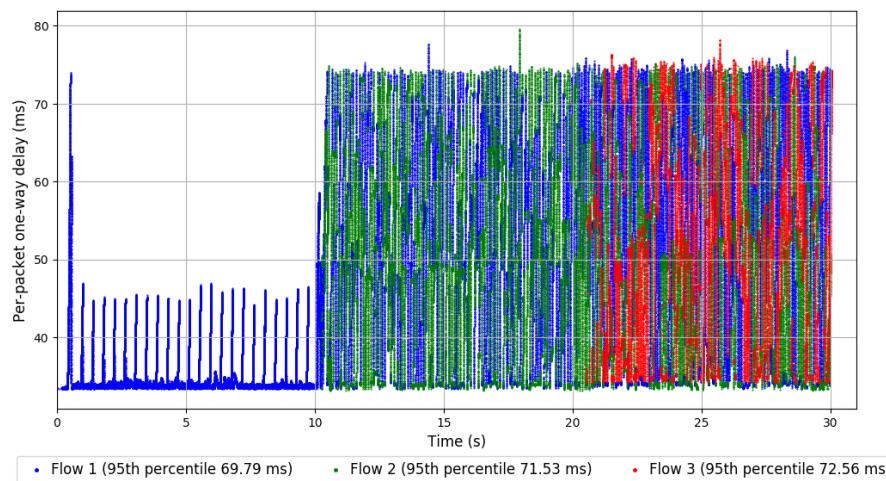
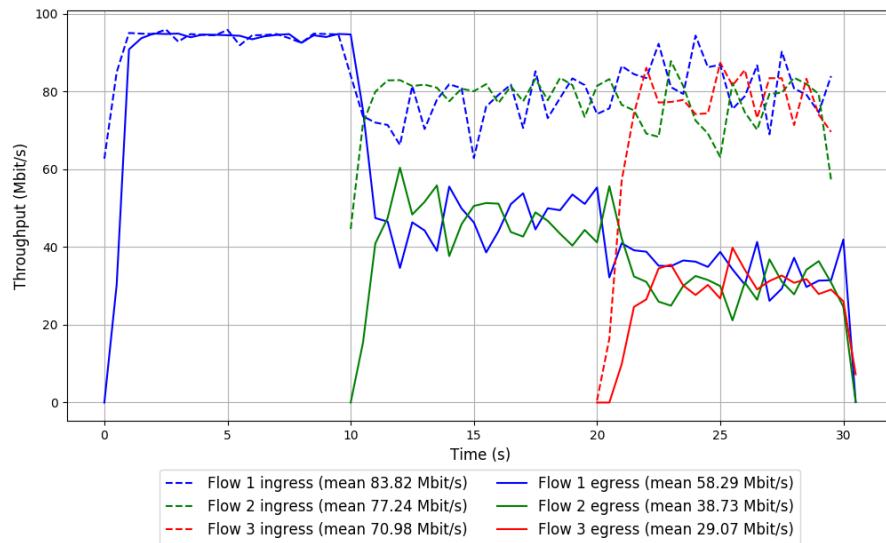


```
Run 1: Statistics of FillP

Start at: 2019-12-11 06:38:19
End at: 2019-12-11 06:38:49
Local clock offset: 1.72 ms
Remote clock offset: -6.591 ms

# Below is generated by plot.py at 2019-12-11 09:05:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 70.736 ms
Loss rate: 41.04%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 69.794 ms
Loss rate: 30.39%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 71.527 ms
Loss rate: 49.82%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 72.556 ms
Loss rate: 59.84%
```

## Run 1: Report of FillP — Data Link

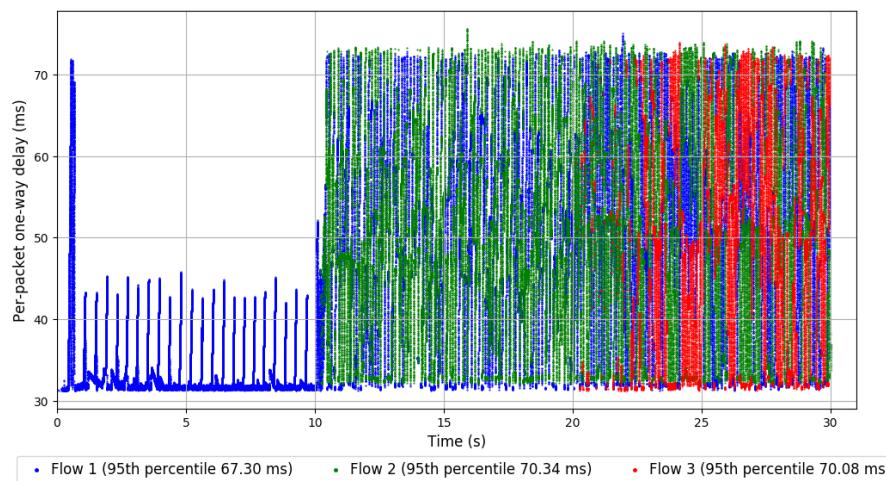
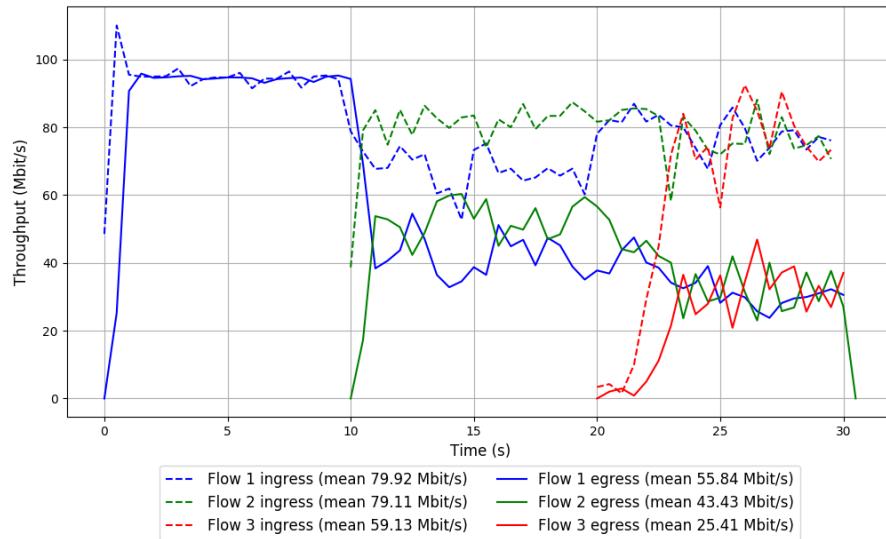


Run 2: Statistics of FillP

```
Start at: 2019-12-11 07:08:39
End at: 2019-12-11 07:09:09
Local clock offset: 2.492 ms
Remote clock offset: -5.718 ms

# Below is generated by plot.py at 2019-12-11 09:05:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 68.972 ms
Loss rate: 38.78%
-- Flow 1:
Average throughput: 55.84 Mbit/s
95th percentile per-packet one-way delay: 67.299 ms
Loss rate: 30.12%
-- Flow 2:
Average throughput: 43.43 Mbit/s
95th percentile per-packet one-way delay: 70.339 ms
Loss rate: 45.09%
-- Flow 3:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 70.081 ms
Loss rate: 57.14%
```

## Run 2: Report of FillP — Data Link

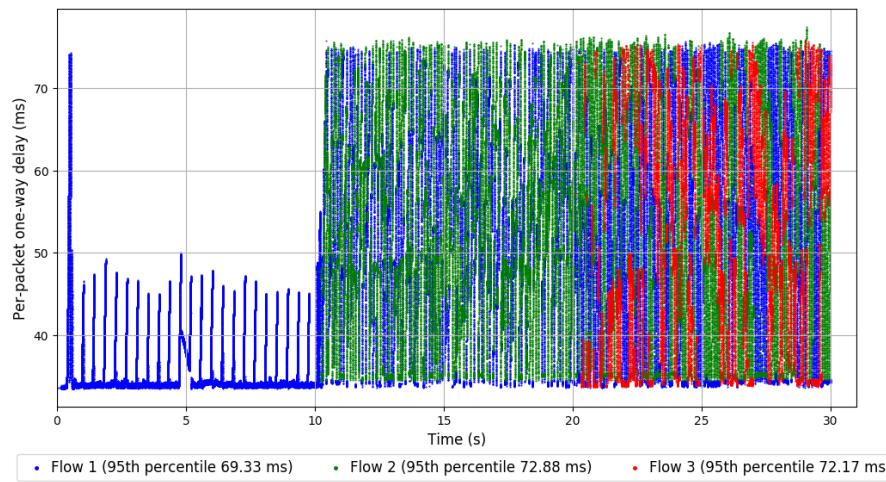
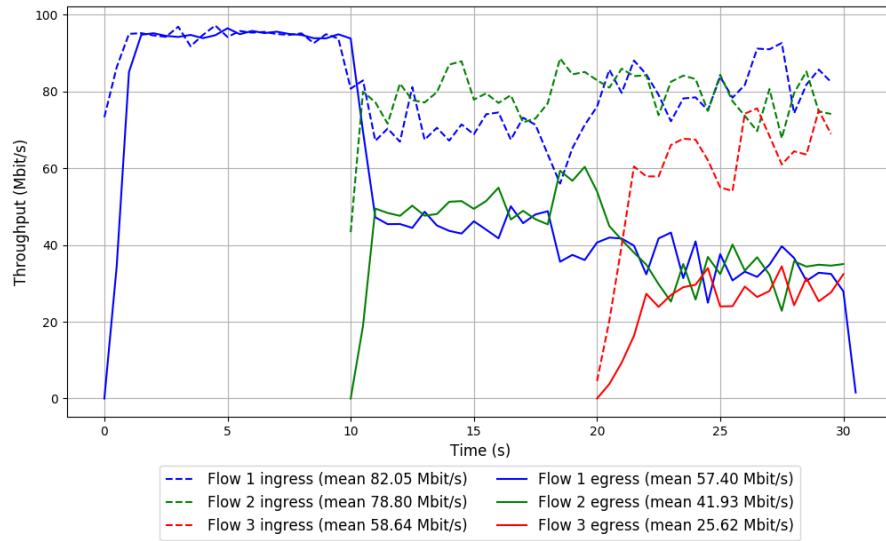


Run 3: Statistics of FillP

```
Start at: 2019-12-11 07:40:05
End at: 2019-12-11 07:40:35
Local clock offset: 0.386 ms
Remote clock offset: -5.723 ms

# Below is generated by plot.py at 2019-12-11 09:05:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 71.352 ms
Loss rate: 39.08%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 69.334 ms
Loss rate: 30.04%
-- Flow 2:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 72.882 ms
Loss rate: 46.79%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 72.168 ms
Loss rate: 56.42%
```

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

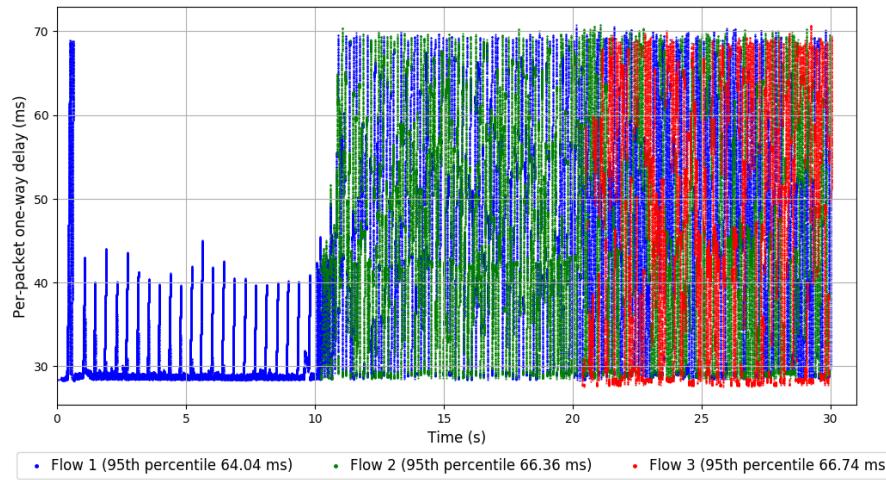
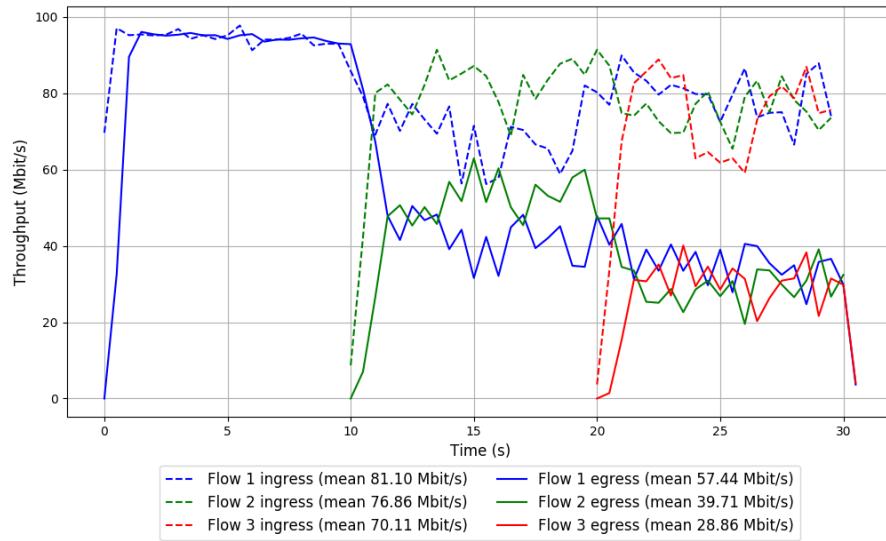


Run 4: Statistics of FillP

```
Start at: 2019-12-11 08:10:12
End at: 2019-12-11 08:10:42
Local clock offset: 6.795 ms
Remote clock offset: -7.045 ms

# Below is generated by plot.py at 2019-12-11 09:06:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 65.393 ms
Loss rate: 39.87%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 64.041 ms
Loss rate: 29.11%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 66.358 ms
Loss rate: 48.33%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 66.744 ms
Loss rate: 58.83%
```

## Run 4: Report of FillP — Data Link

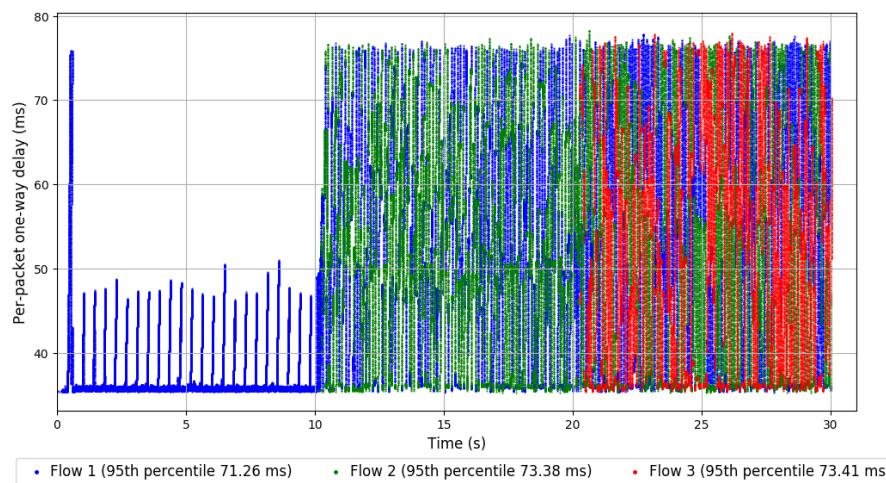
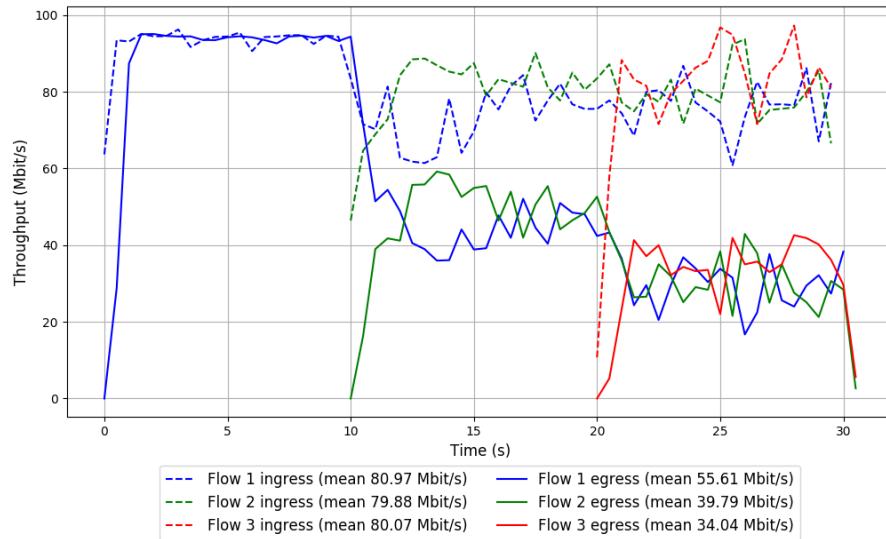


```
Run 5: Statistics of FillP
```

```
Start at: 2019-12-11 08:39:51
End at: 2019-12-11 08:40:21
Local clock offset: 2.585 ms
Remote clock offset: -4.699 ms

# Below is generated by plot.py at 2019-12-11 09:06:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 72.551 ms
Loss rate: 41.87%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 71.258 ms
Loss rate: 31.31%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 73.378 ms
Loss rate: 50.16%
-- Flow 3:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 73.413 ms
Loss rate: 57.43%
```

## Run 5: Report of FillP — Data Link

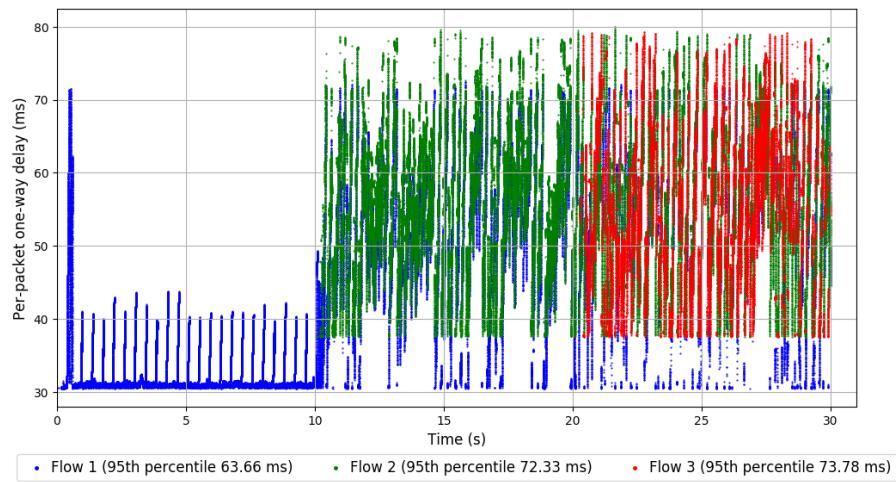
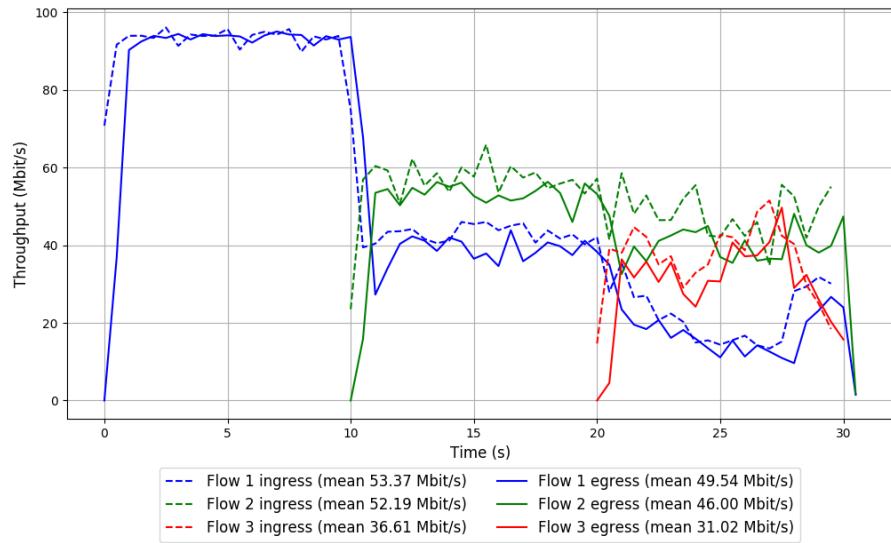


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-12-11 06:41:51
End at: 2019-12-11 06:42:21
Local clock offset: 5.527 ms
Remote clock offset: -6.089 ms

# Below is generated by plot.py at 2019-12-11 09:06:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 69.713 ms
Loss rate: 9.73%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 63.660 ms
Loss rate: 7.15%
-- Flow 2:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 72.326 ms
Loss rate: 11.79%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 73.775 ms
Loss rate: 15.20%
```

Run 1: Report of FillP-Sheep — Data Link

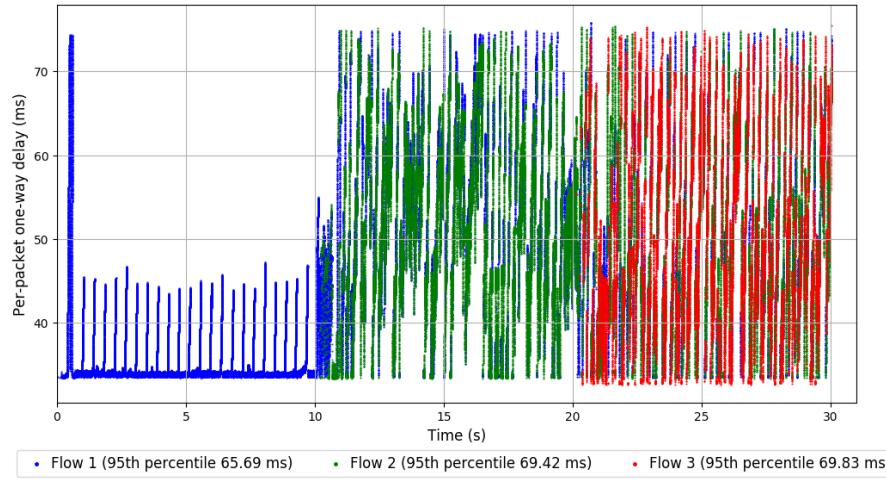
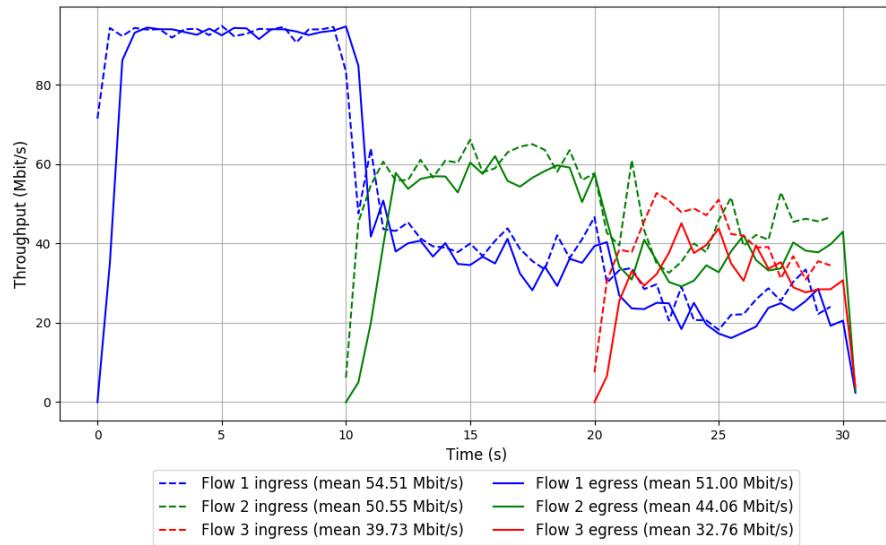


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-12-11 07:12:13
End at: 2019-12-11 07:12:43
Local clock offset: 0.121 ms
Remote clock offset: -5.686 ms

# Below is generated by plot.py at 2019-12-11 09:06:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 68.150 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 65.686 ms
Loss rate: 6.32%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 69.420 ms
Loss rate: 12.69%
-- Flow 3:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 69.828 ms
Loss rate: 17.36%
```

Run 2: Report of FillP-Sheep — Data Link

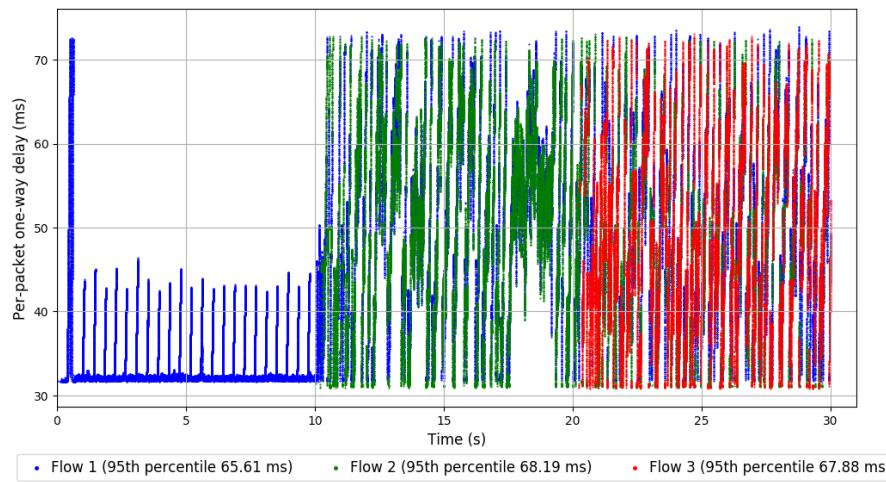
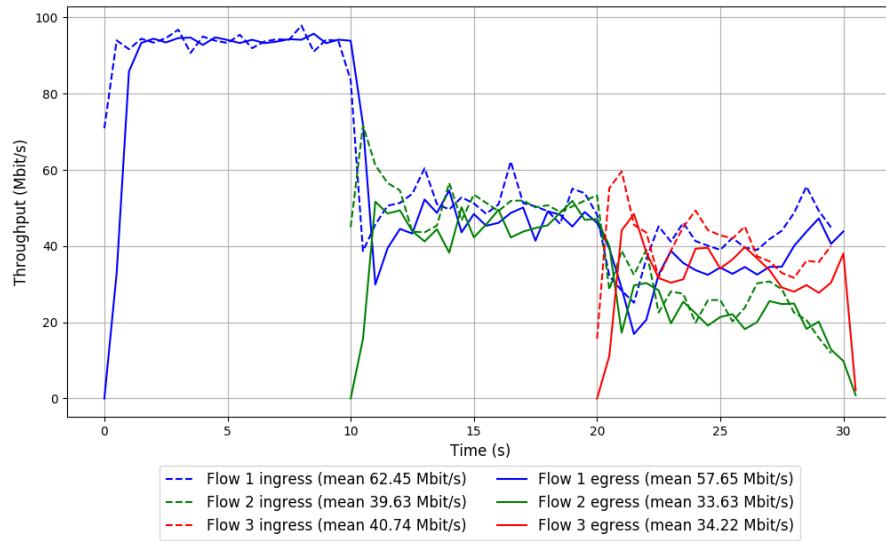


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-12-11 07:43:41
End at: 2019-12-11 07:44:11
Local clock offset: 5.669 ms
Remote clock offset: -3.862 ms

# Below is generated by plot.py at 2019-12-11 09:06:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 66.930 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 65.614 ms
Loss rate: 7.62%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 68.189 ms
Loss rate: 15.09%
-- Flow 3:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 67.876 ms
Loss rate: 15.87%
```

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

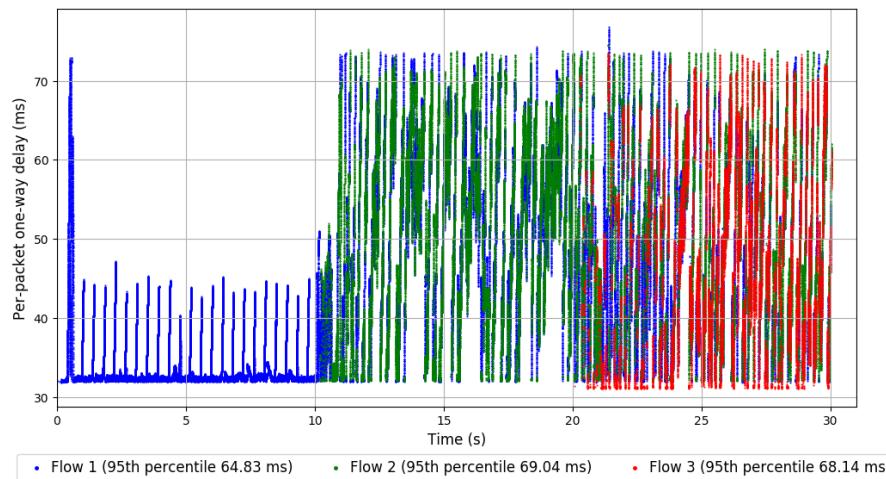
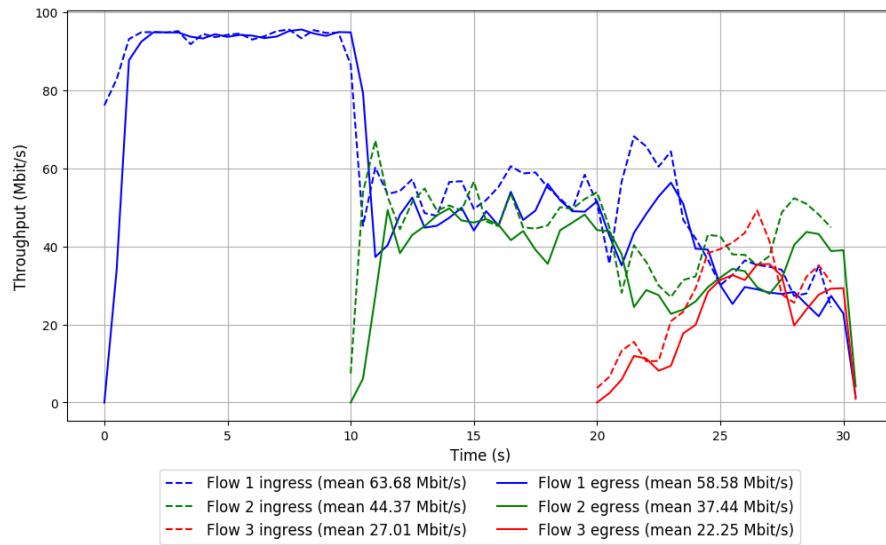


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-12-11 08:13:43
End at: 2019-12-11 08:14:13
Local clock offset: 5.293 ms
Remote clock offset: -5.721 ms

# Below is generated by plot.py at 2019-12-11 09:07:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 67.014 ms
Loss rate: 10.96%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 64.830 ms
Loss rate: 7.96%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 69.039 ms
Loss rate: 15.49%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 68.137 ms
Loss rate: 17.39%
```

Run 4: Report of FillP-Sheep — Data Link

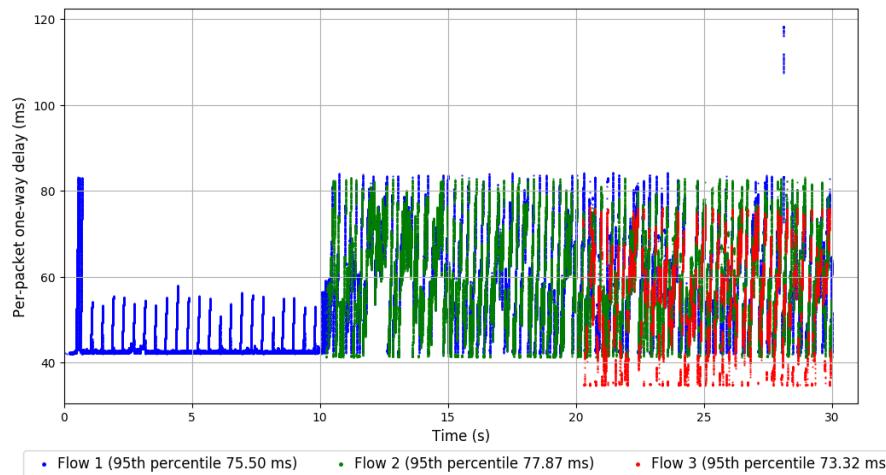
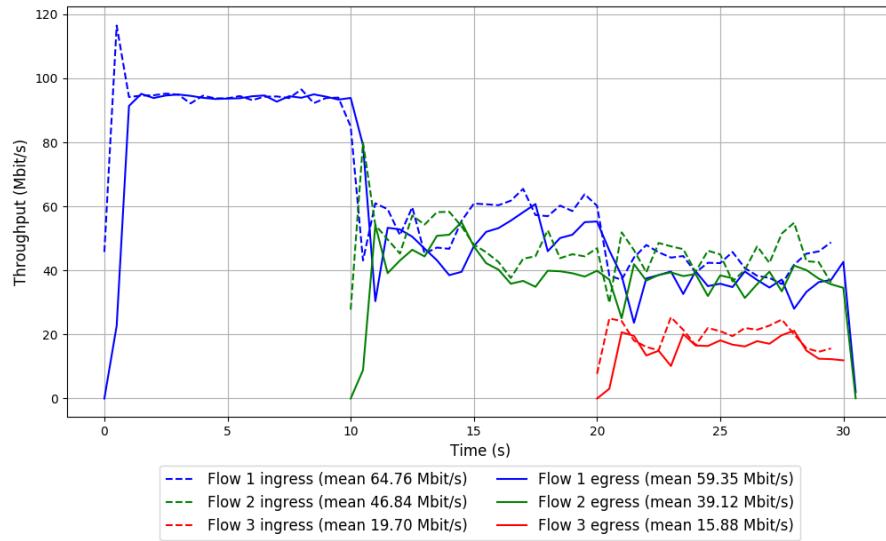


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-12-11 08:43:21
End at: 2019-12-11 08:43:51
Local clock offset: 0.291 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2019-12-11 09:07:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 76.359 ms
Loss rate: 11.52%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 75.504 ms
Loss rate: 8.35%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 77.874 ms
Loss rate: 16.48%
-- Flow 3:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 73.322 ms
Loss rate: 19.39%
```

Run 5: Report of FillP-Sheep — Data Link

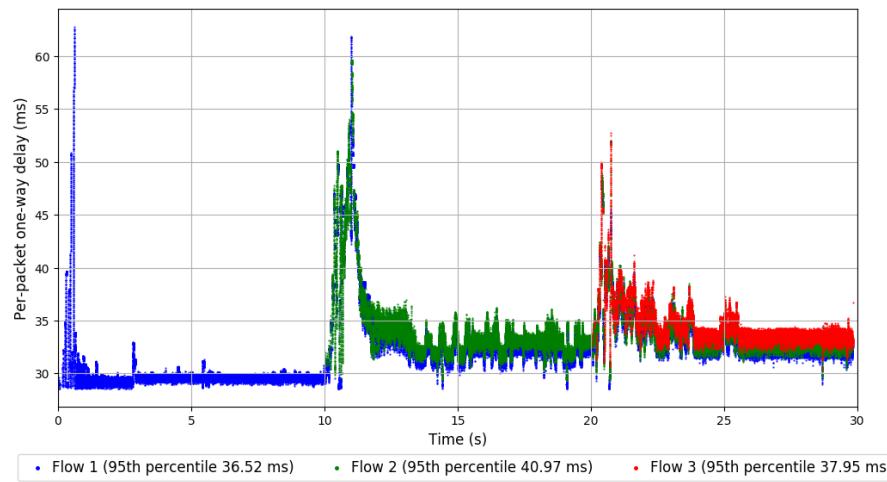
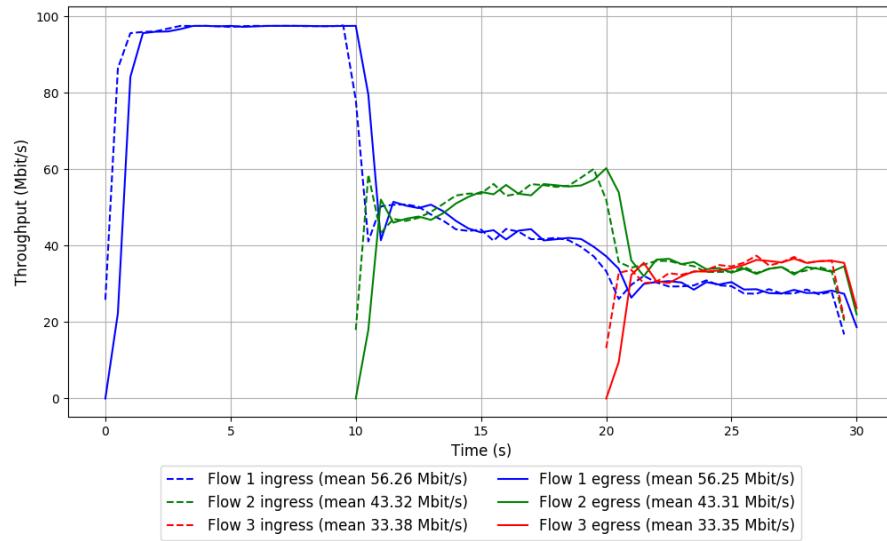


Run 1: Statistics of Indigo

```
Start at: 2019-12-11 06:58:36
End at: 2019-12-11 06:59:06
Local clock offset: 4.755 ms
Remote clock offset: -6.055 ms

# Below is generated by plot.py at 2019-12-11 09:07:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 37.760 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 36.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 40.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 37.953 ms
Loss rate: 0.04%
```

Run 1: Report of Indigo — Data Link

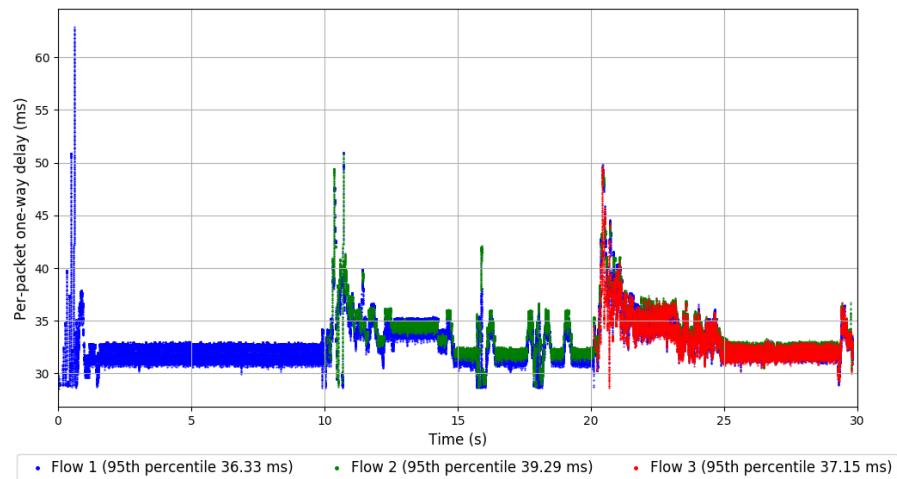
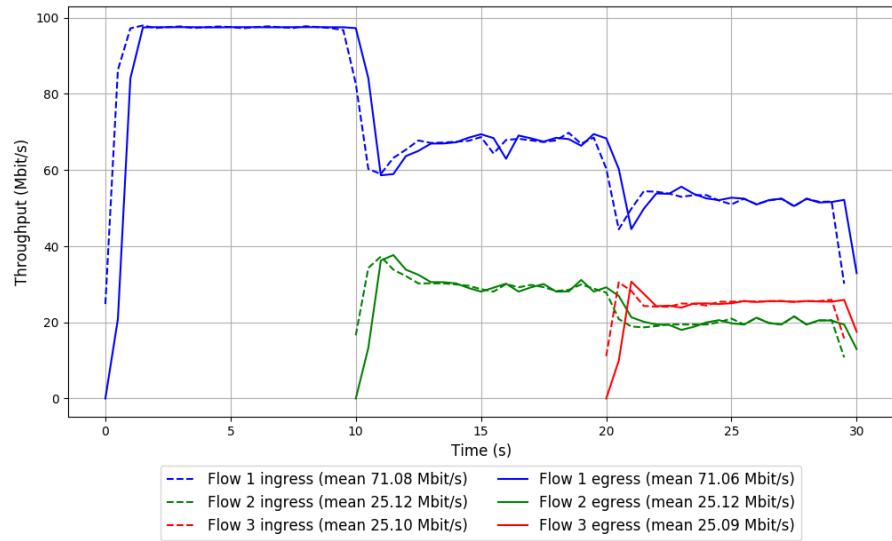


Run 2: Statistics of Indigo

```
Start at: 2019-12-11 07:29:33
End at: 2019-12-11 07:30:03
Local clock offset: 4.878 ms
Remote clock offset: -5.777 ms

# Below is generated by plot.py at 2019-12-11 09:07:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 36.732 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 36.333 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 39.288 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 37.153 ms
Loss rate: 0.03%
```

## Run 2: Report of Indigo — Data Link

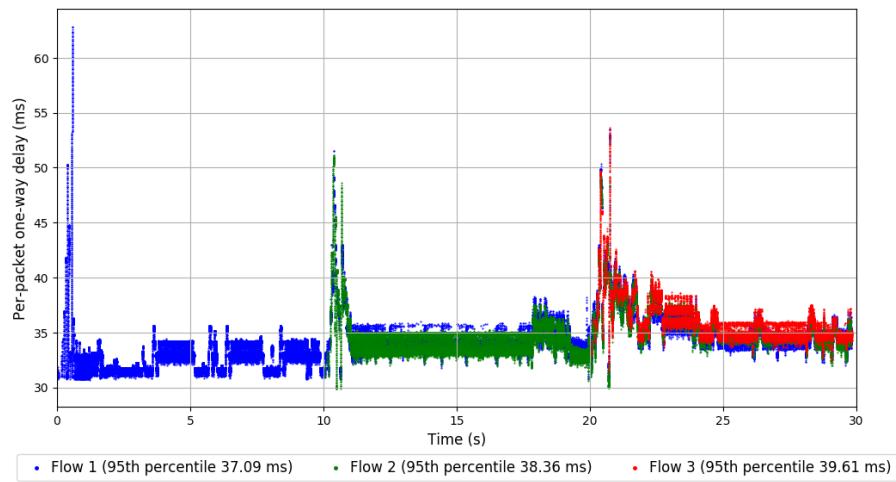
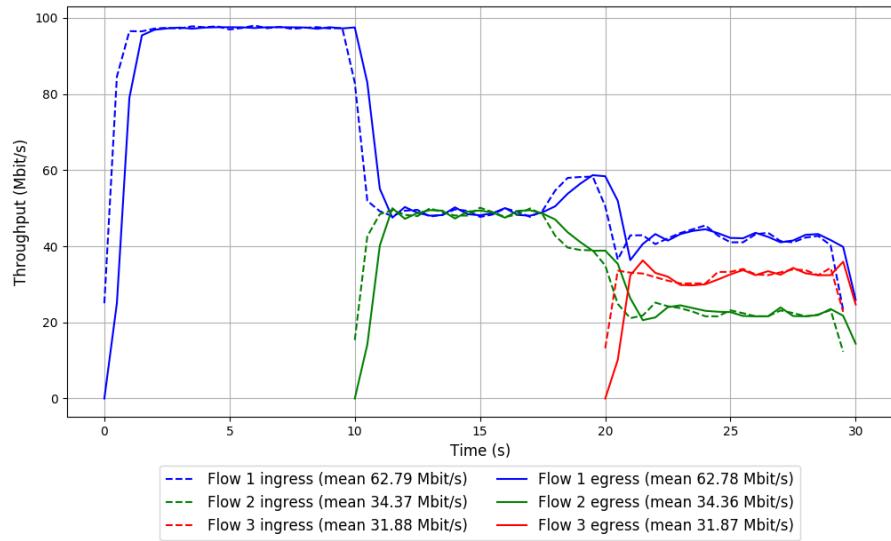


Run 3: Statistics of Indigo

```
Start at: 2019-12-11 08:00:20
End at: 2019-12-11 08:00:50
Local clock offset: 5.438 ms
Remote clock offset: -6.65 ms

# Below is generated by plot.py at 2019-12-11 09:07:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 38.179 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 37.094 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 38.362 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 39.608 ms
Loss rate: 0.01%
```

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

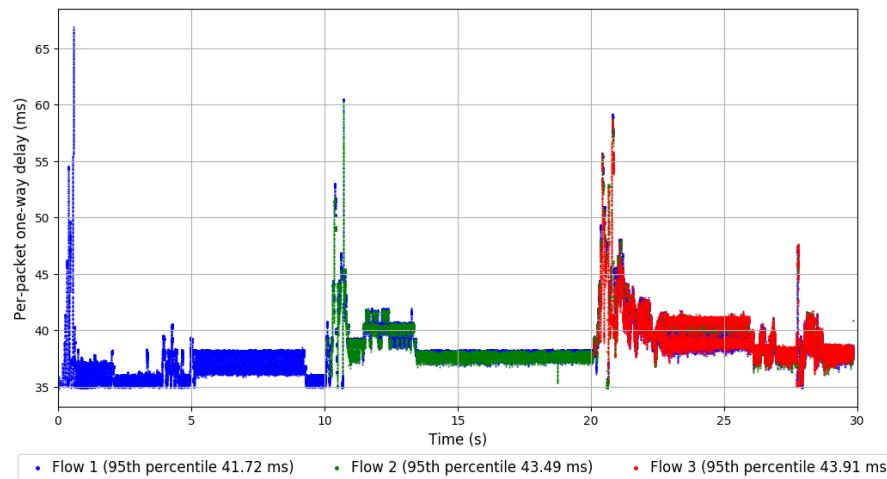
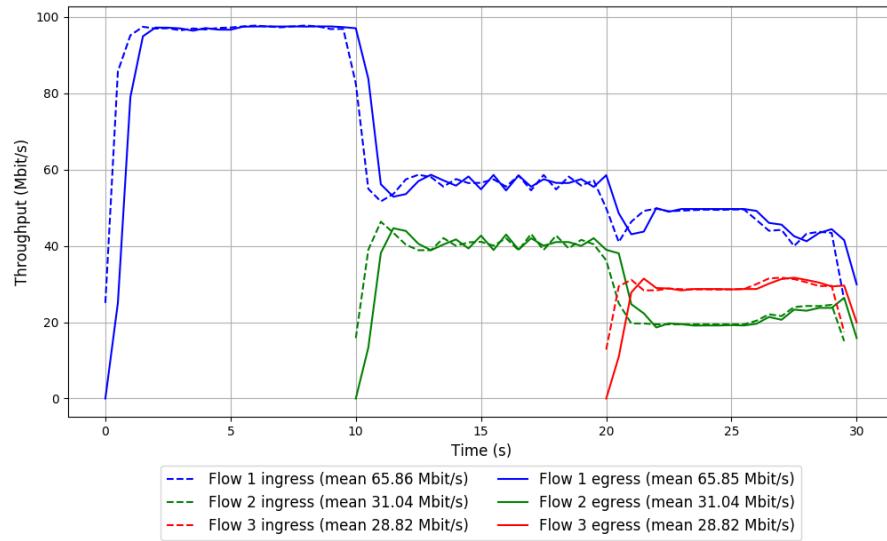


Run 4: Statistics of Indigo

```
Start at: 2019-12-11 08:30:08
End at: 2019-12-11 08:30:38
Local clock offset: 1.133 ms
Remote clock offset: -6.804 ms

# Below is generated by plot.py at 2019-12-11 09:07:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 42.364 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 41.716 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 43.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 43.915 ms
Loss rate: 0.01%
```

## Run 4: Report of Indigo — Data Link

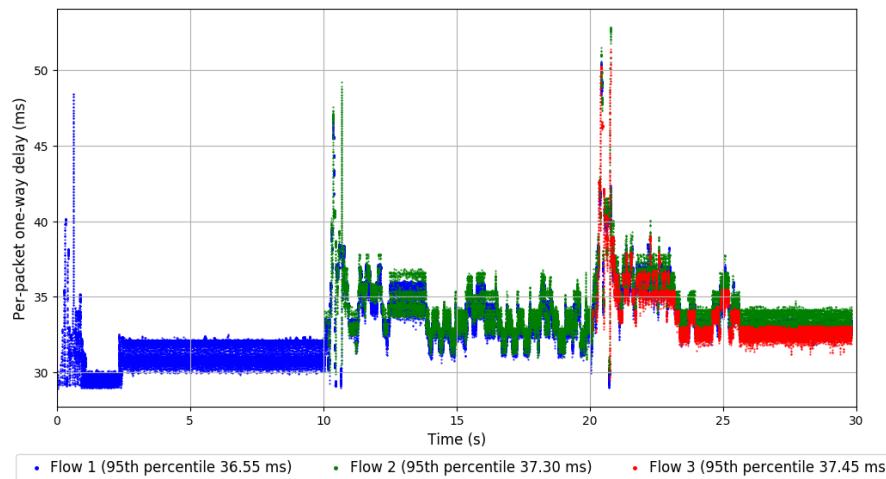
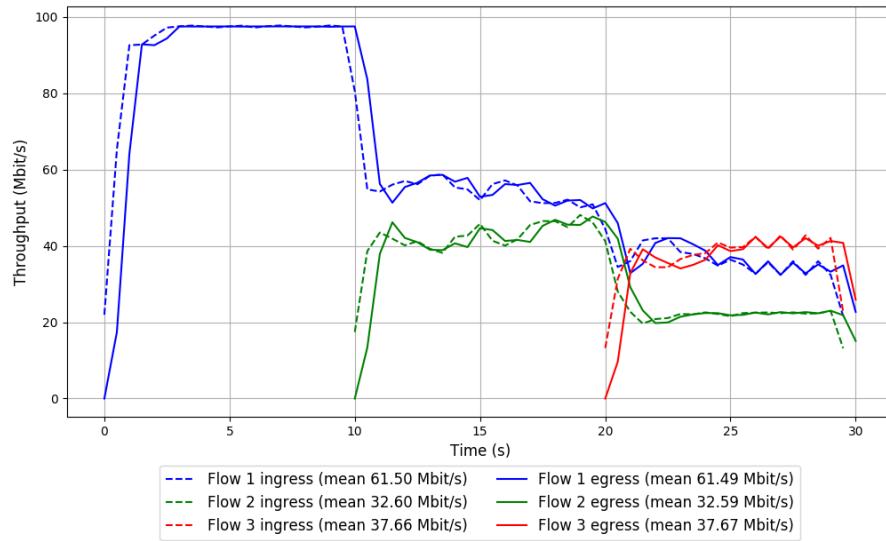


Run 5: Statistics of Indigo

```
Start at: 2019-12-11 08:58:59
End at: 2019-12-11 08:59:29
Local clock offset: 5.151 ms
Remote clock offset: -6.196 ms

# Below is generated by plot.py at 2019-12-11 09:07:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 36.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 36.545 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 37.305 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 37.452 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link

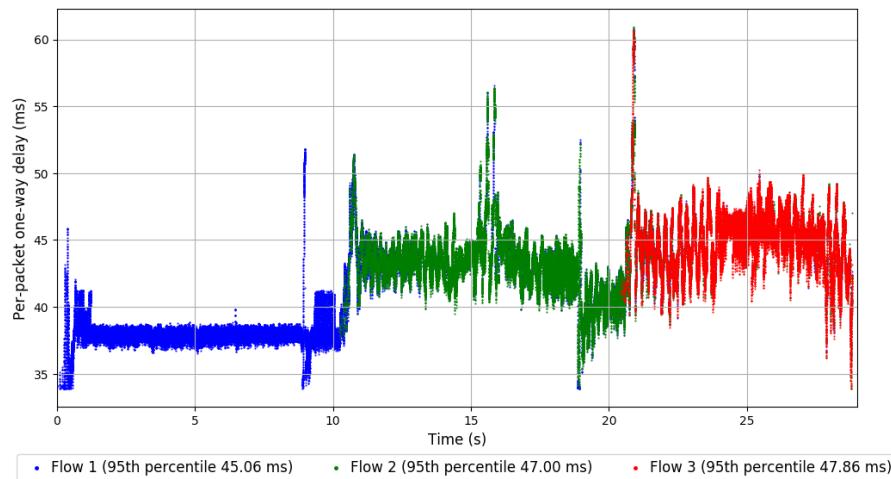
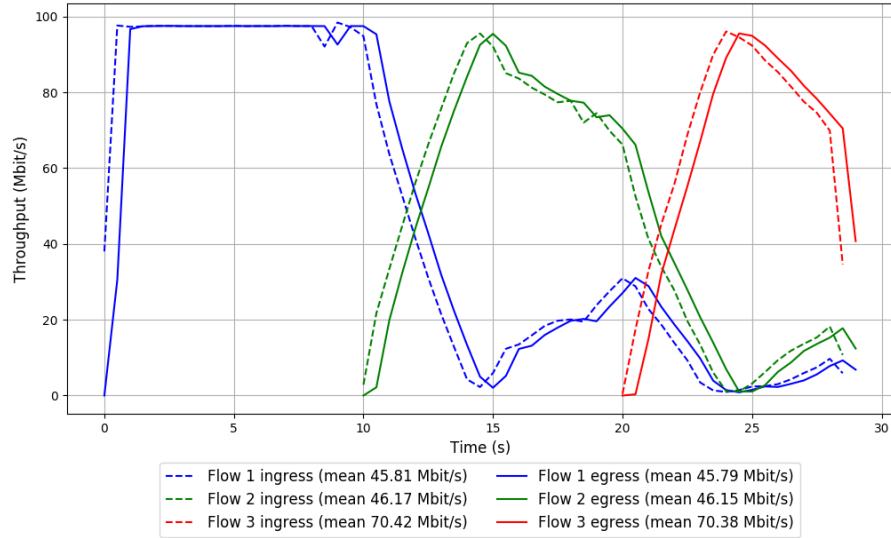


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 06:33:26
End at: 2019-12-11 06:33:56
Local clock offset: 1.791 ms
Remote clock offset: -6.027 ms

# Below is generated by plot.py at 2019-12-11 09:07:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 47.068 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.79 Mbit/s
95th percentile per-packet one-way delay: 45.062 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 47.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 47.860 ms
Loss rate: 0.01%
```

## Run 1: Report of Indigo-MusesC3 — Data Link

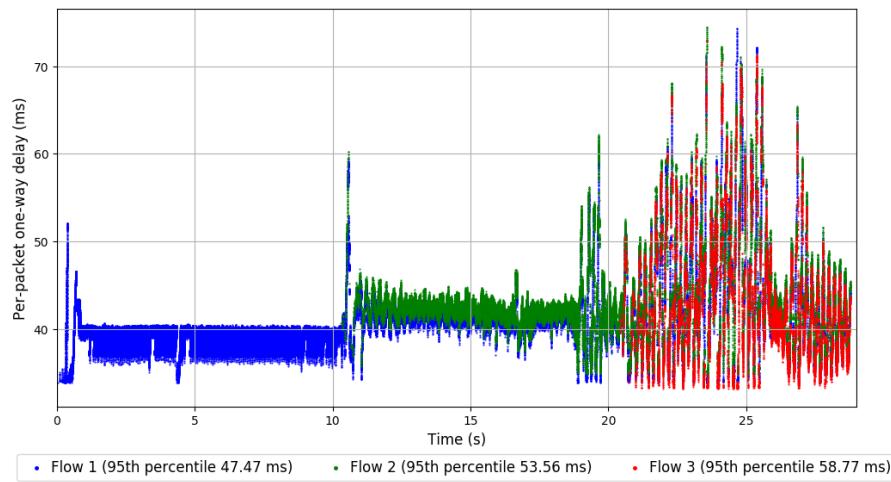
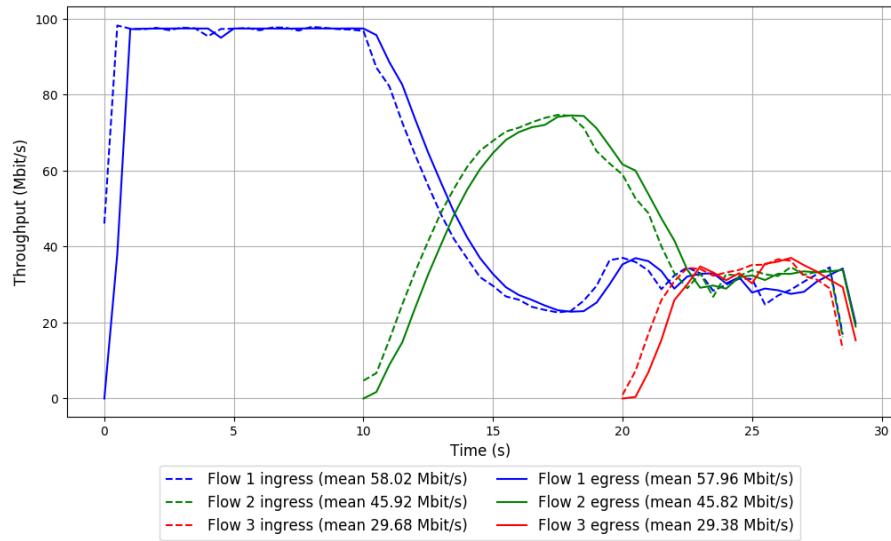


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 07:03:28
End at: 2019-12-11 07:03:58
Local clock offset: -0.02 ms
Remote clock offset: -5.893 ms

# Below is generated by plot.py at 2019-12-11 09:08:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 51.886 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 47.466 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 53.556 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 58.766 ms
Loss rate: 0.94%
```

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

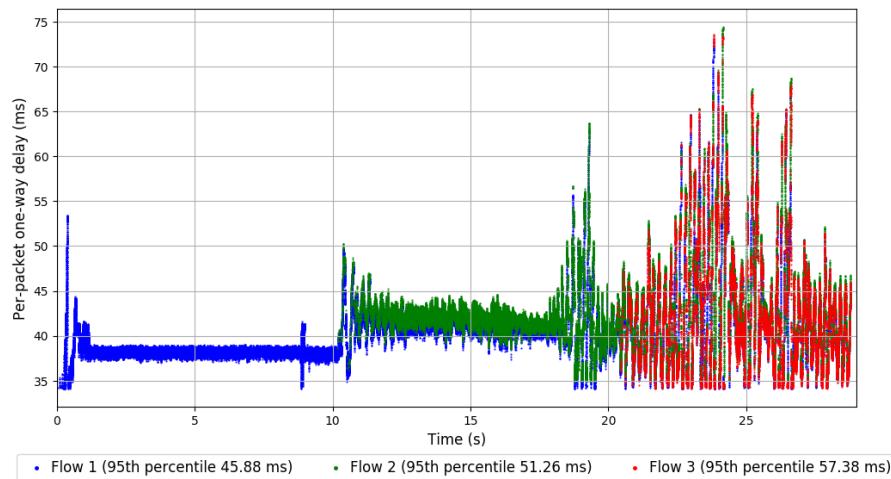
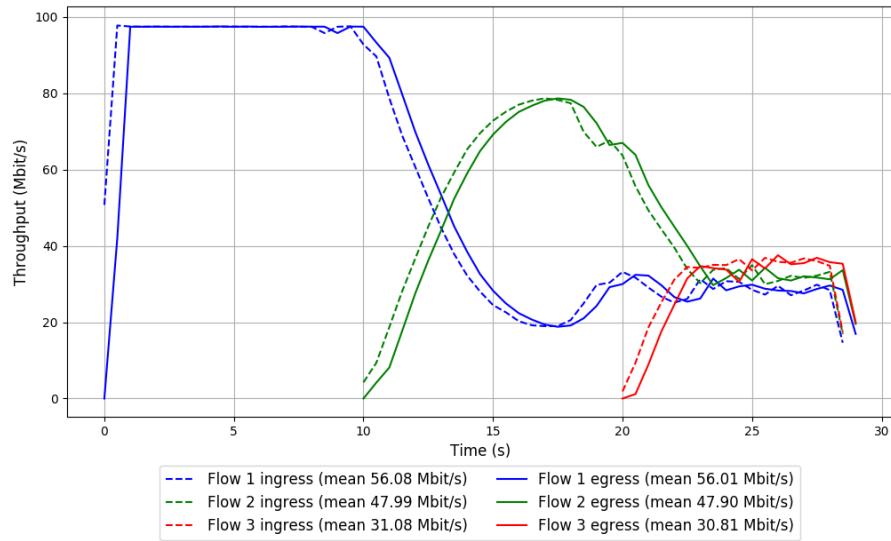


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 07:34:59
End at: 2019-12-11 07:35:29
Local clock offset: -1.338 ms
Remote clock offset: -5.74 ms

# Below is generated by plot.py at 2019-12-11 09:08:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 49.642 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 45.881 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 57.385 ms
Loss rate: 0.84%
```

### Run 3: Report of Indigo-MusesC3 — Data Link

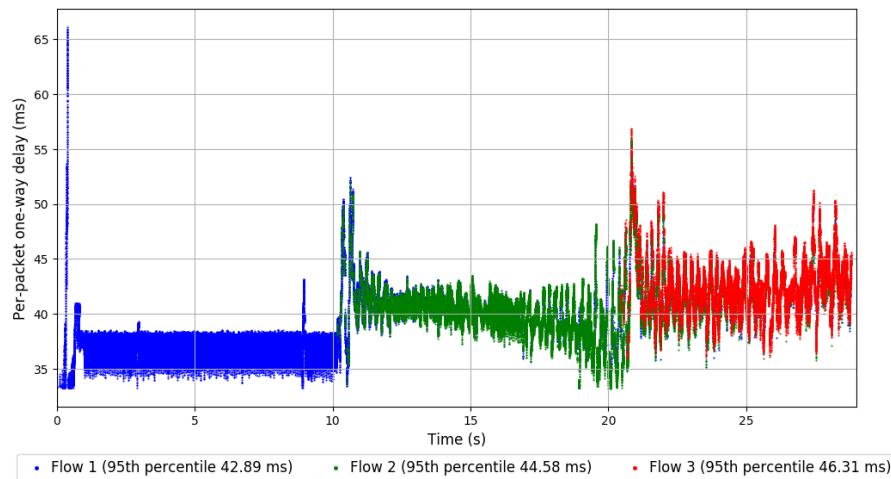
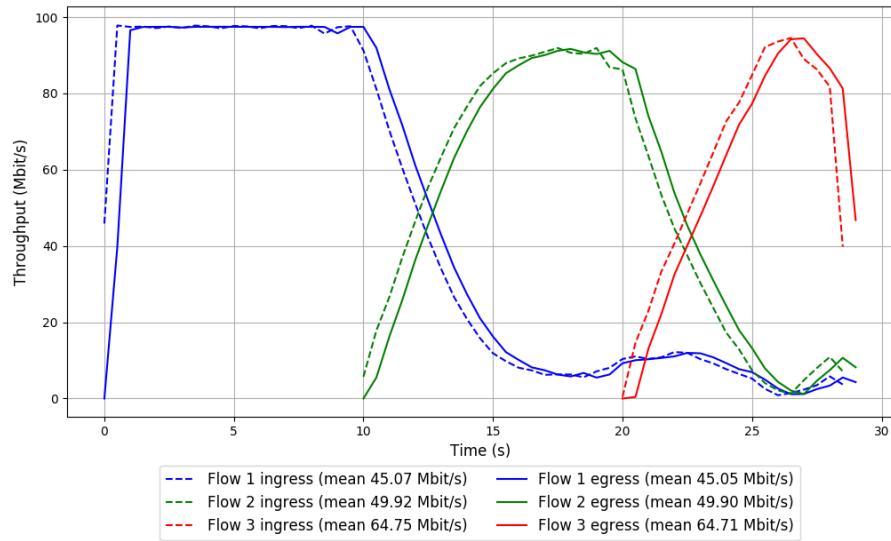


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 08:05:17
End at: 2019-12-11 08:05:47
Local clock offset: 3.087 ms
Remote clock offset: -5.997 ms

# Below is generated by plot.py at 2019-12-11 09:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 44.916 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 42.894 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 44.584 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 46.315 ms
Loss rate: 0.02%
```

## Run 4: Report of Indigo-MusesC3 — Data Link

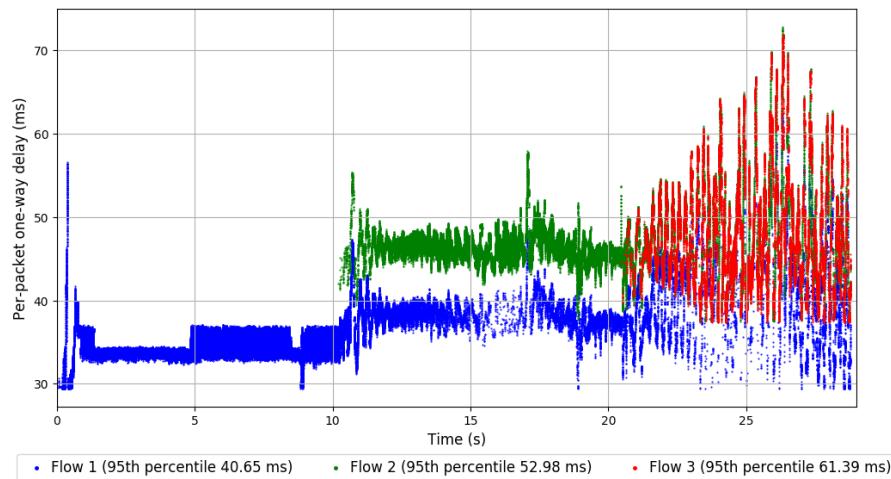
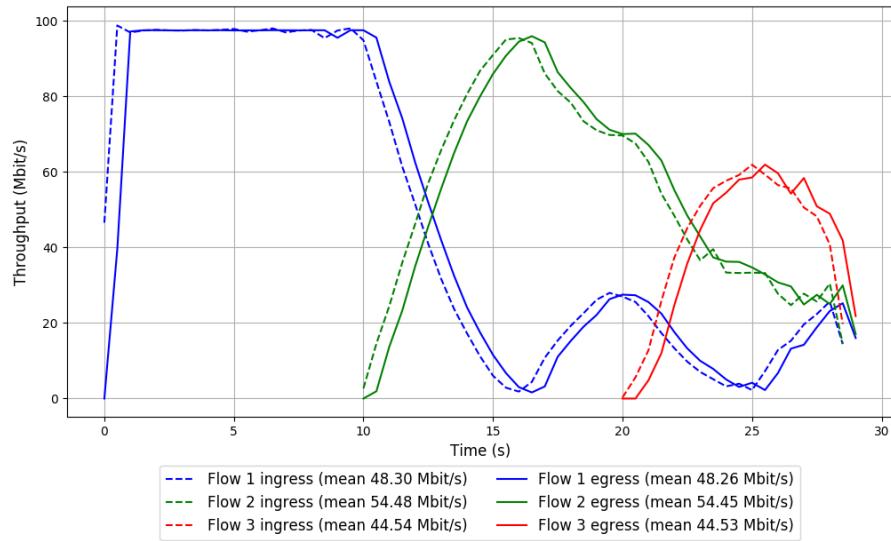


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-12-11 08:35:01
End at: 2019-12-11 08:35:31
Local clock offset: 5.835 ms
Remote clock offset: -6.76 ms

# Below is generated by plot.py at 2019-12-11 09:08:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 52.760 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 40.653 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 52.985 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 61.386 ms
Loss rate: 0.11%
```

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

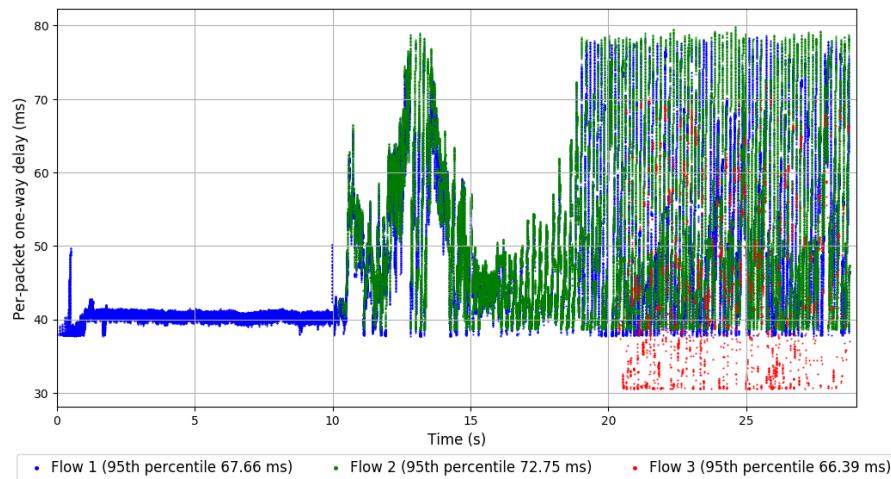
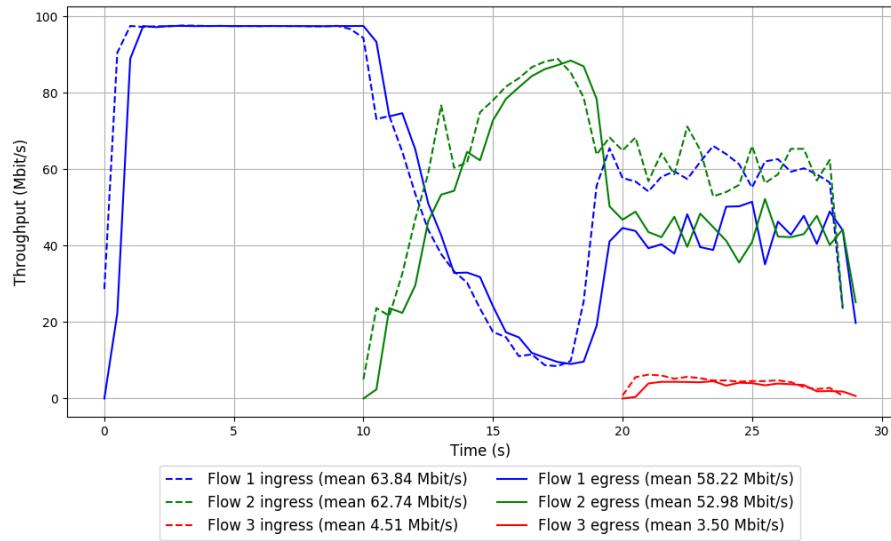


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 06:44:46
End at: 2019-12-11 06:45:16
Local clock offset: 5.76 ms
Remote clock offset: -4.86 ms

# Below is generated by plot.py at 2019-12-11 09:08:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 70.083 ms
Loss rate: 11.57%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 67.659 ms
Loss rate: 8.82%
-- Flow 2:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 72.749 ms
Loss rate: 15.53%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 66.388 ms
Loss rate: 22.48%
```

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

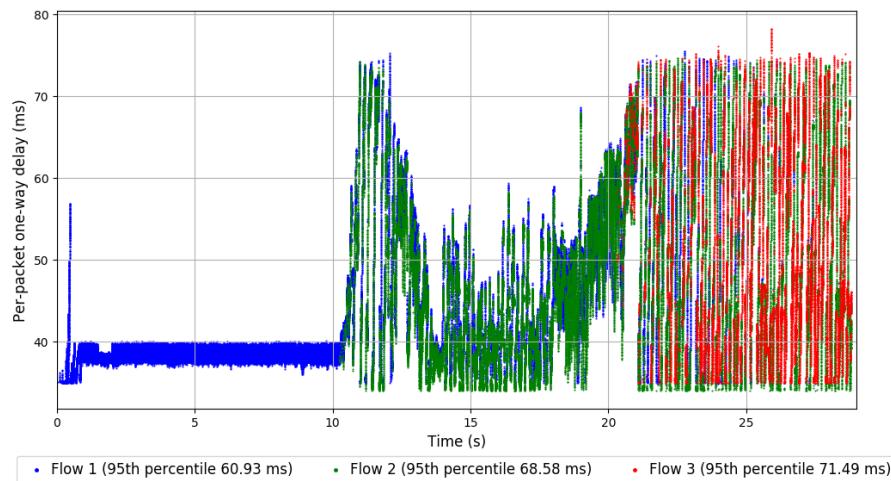
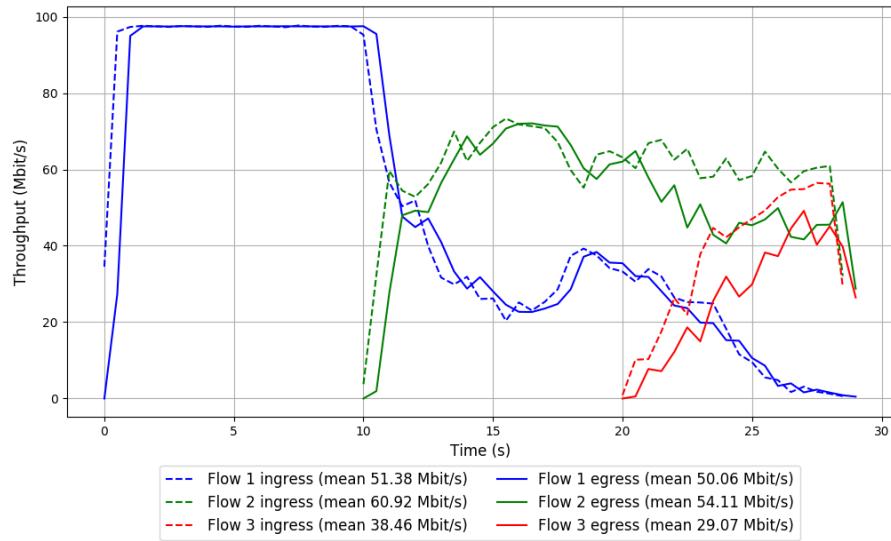


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 07:14:48
End at: 2019-12-11 07:15:18
Local clock offset: 1.938 ms
Remote clock offset: -3.313 ms

# Below is generated by plot.py at 2019-12-11 09:08:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 67.348 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 60.933 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 68.576 ms
Loss rate: 11.14%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 71.490 ms
Loss rate: 24.52%
```

## Run 2: Report of Indigo-MusesC5 — Data Link

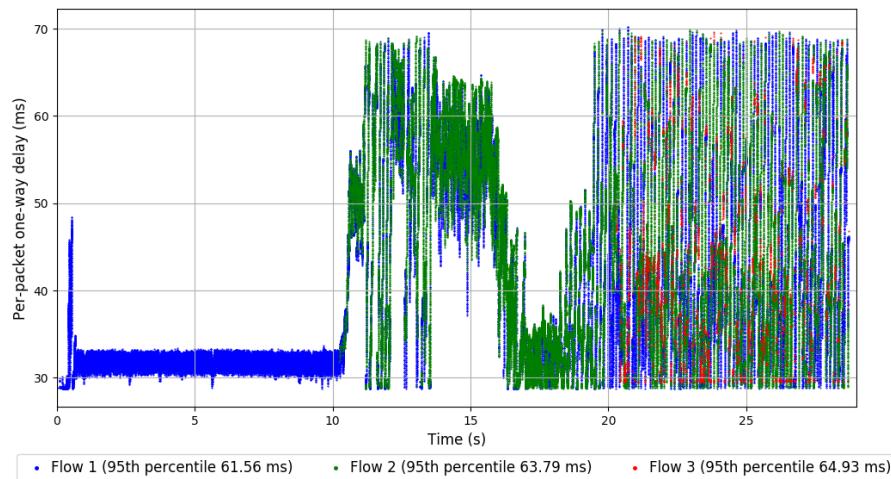
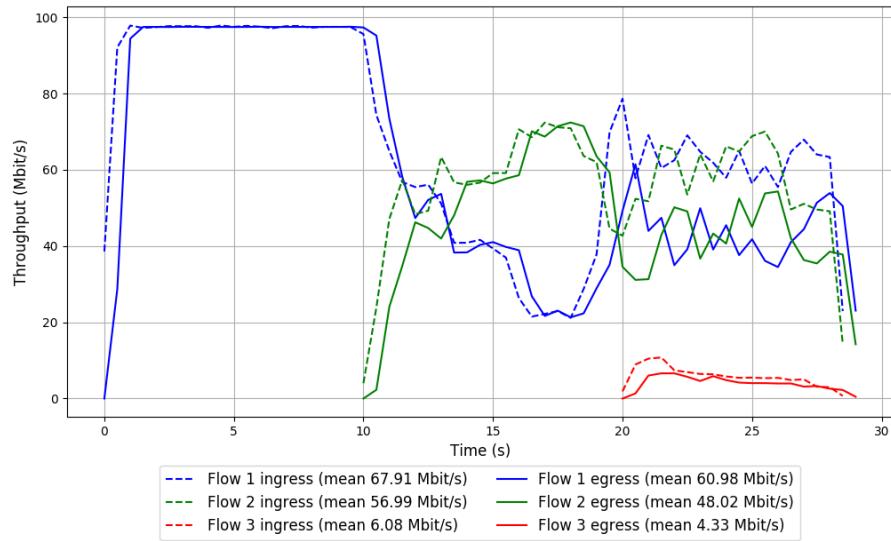


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 07:46:26
End at: 2019-12-11 07:46:56
Local clock offset: 6.082 ms
Remote clock offset: -6.147 ms

# Below is generated by plot.py at 2019-12-11 09:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 62.756 ms
Loss rate: 12.38%
-- Flow 1:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 61.562 ms
Loss rate: 10.16%
-- Flow 2:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 63.793 ms
Loss rate: 15.68%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 64.927 ms
Loss rate: 28.90%
```

### Run 3: Report of Indigo-MusesC5 — Data Link

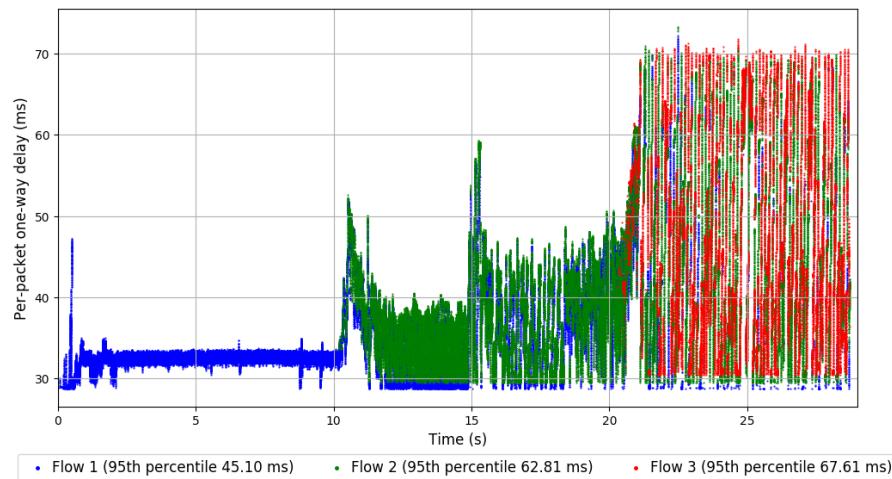
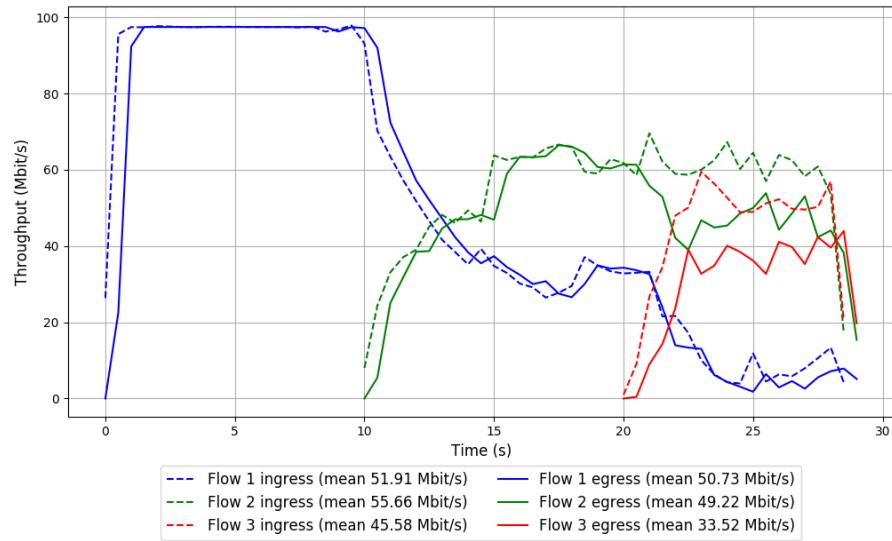


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 08:16:11
End at: 2019-12-11 08:16:41
Local clock offset: 5.754 ms
Remote clock offset: -6.849 ms

# Below is generated by plot.py at 2019-12-11 09:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 60.749 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 45.105 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 62.810 ms
Loss rate: 11.54%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 67.609 ms
Loss rate: 26.50%
```

## Run 4: Report of Indigo-MusesC5 — Data Link

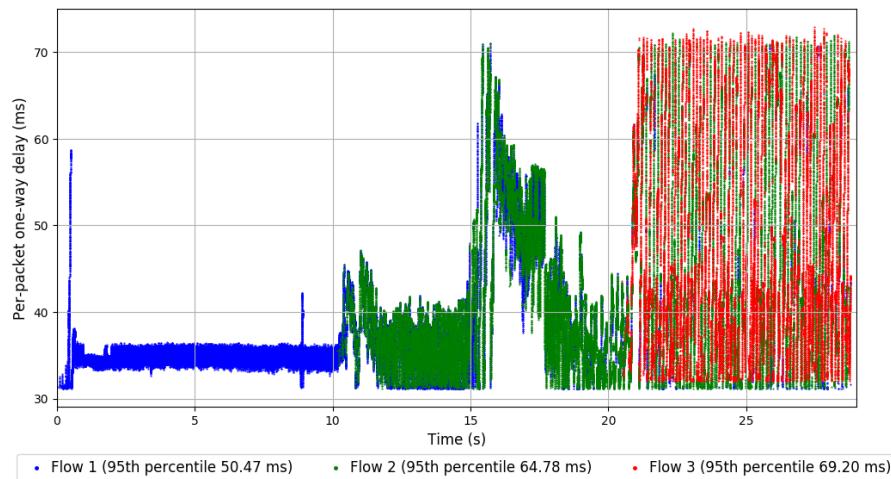
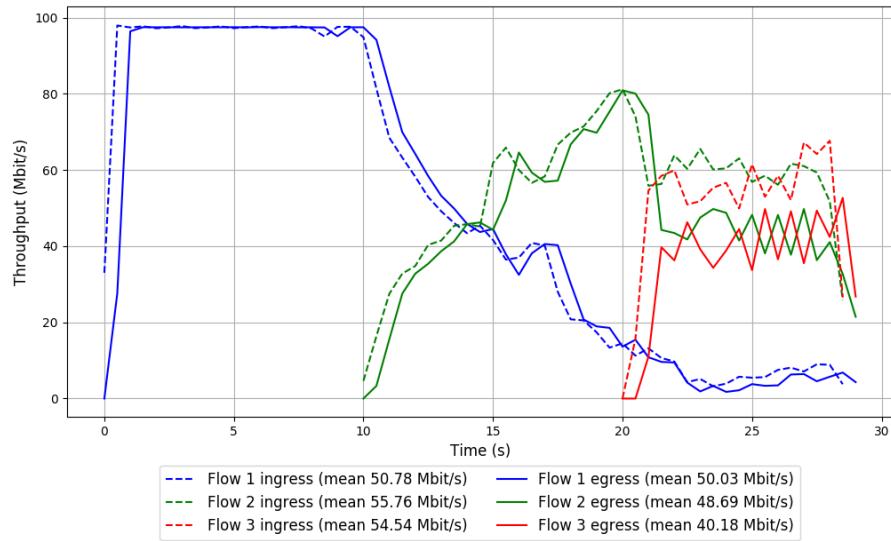


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-12-11 08:45:45
End at: 2019-12-11 08:46:15
Local clock offset: 2.76 ms
Remote clock offset: -7.005 ms

# Below is generated by plot.py at 2019-12-11 09:09:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 62.806 ms
Loss rate: 9.22%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 50.472 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 64.777 ms
Loss rate: 12.68%
-- Flow 3:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 69.200 ms
Loss rate: 26.32%
```

Run 5: Report of Indigo-MusesC5 — Data Link

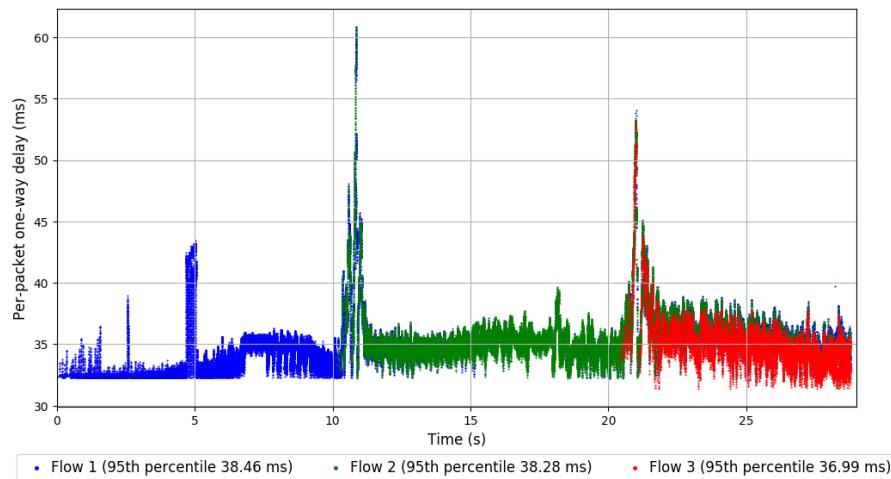
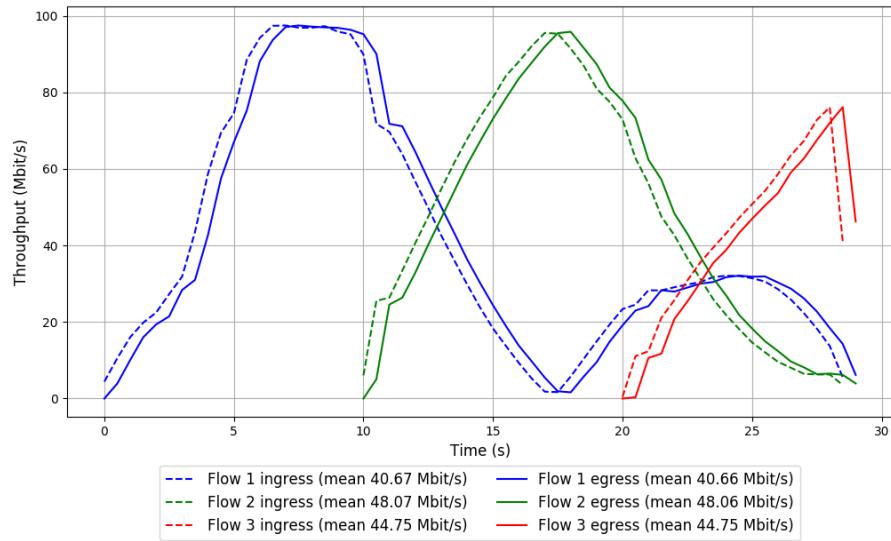


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 06:52:17
End at: 2019-12-11 06:52:47
Local clock offset: 4.538 ms
Remote clock offset: -3.745 ms

# Below is generated by plot.py at 2019-12-11 09:09:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 38.135 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 38.462 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 38.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 36.988 ms
Loss rate: 0.00%
```

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

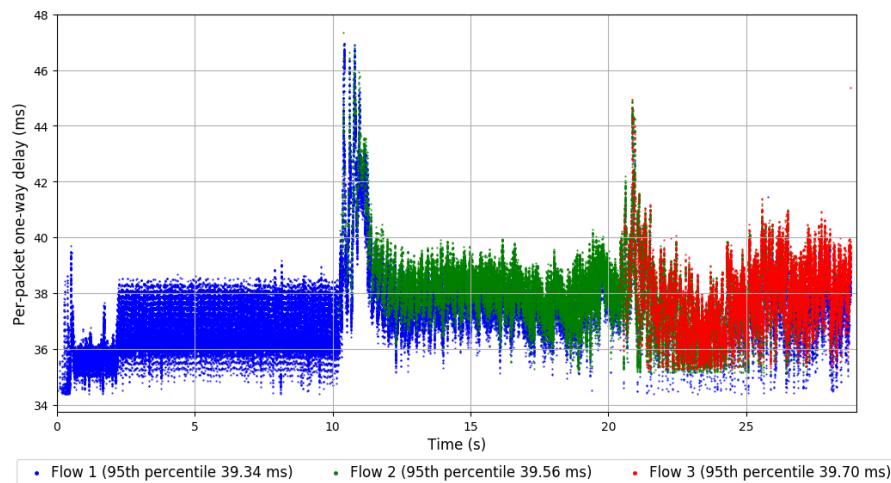
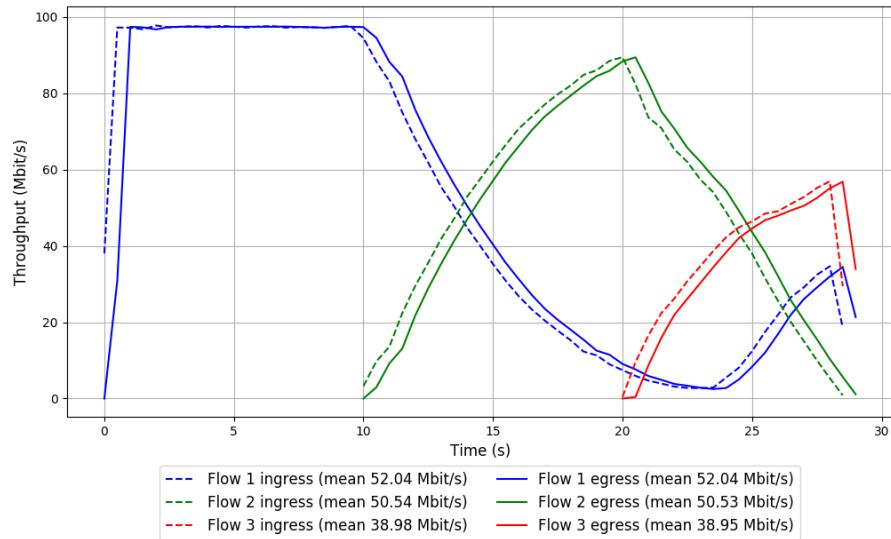


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 07:22:32
End at: 2019-12-11 07:23:02
Local clock offset: 0.927 ms
Remote clock offset: -3.771 ms

# Below is generated by plot.py at 2019-12-11 09:09:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 39.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.04 Mbit/s
95th percentile per-packet one-way delay: 39.336 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 39.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 39.697 ms
Loss rate: 0.00%
```

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

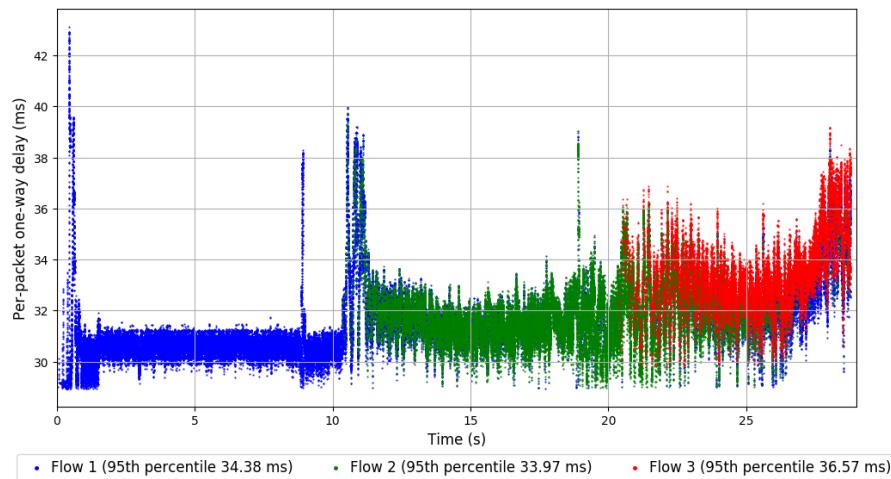
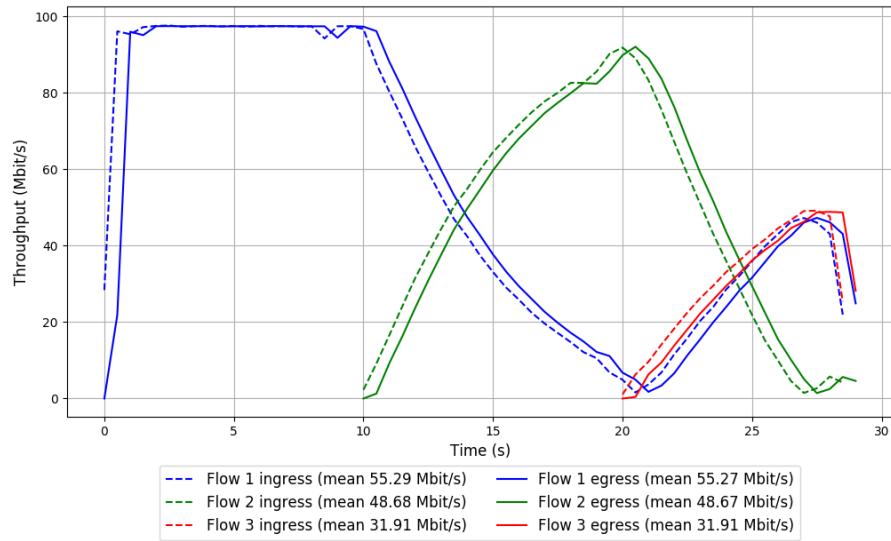


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 07:54:03
End at: 2019-12-11 07:54:33
Local clock offset: 6.325 ms
Remote clock offset: -6.395 ms

# Below is generated by plot.py at 2019-12-11 09:09:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 34.774 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 34.379 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 33.965 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 36.571 ms
Loss rate: 0.01%
```

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

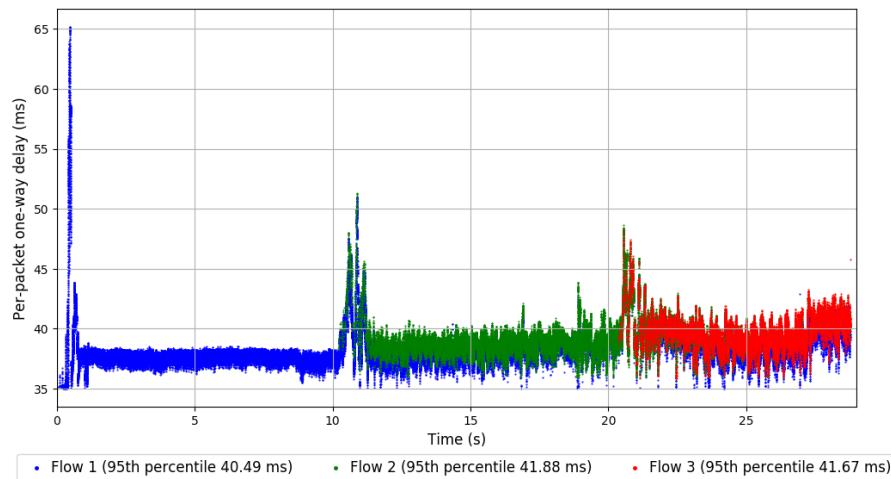
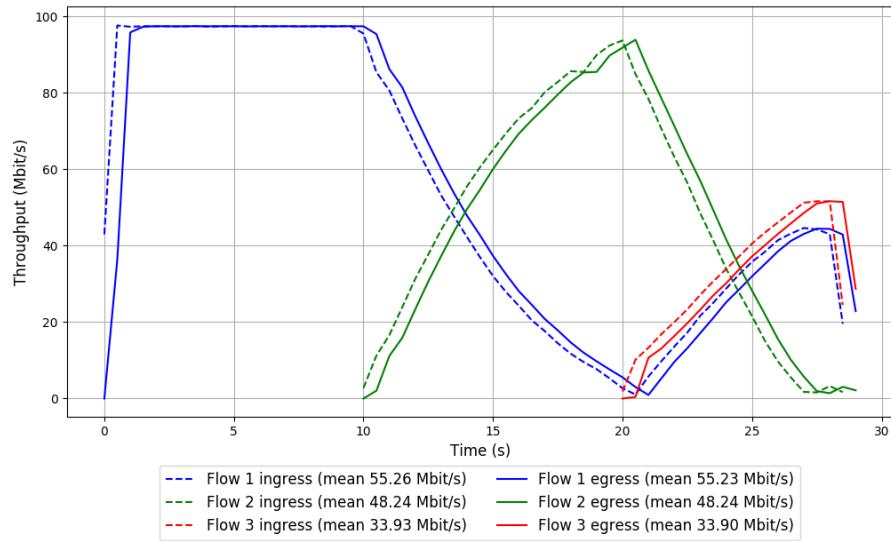


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 08:23:38
End at: 2019-12-11 08:24:08
Local clock offset: 1.642 ms
Remote clock offset: -4.6 ms

# Below is generated by plot.py at 2019-12-11 09:09:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 41.267 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 40.492 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 41.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 41.670 ms
Loss rate: 0.01%
```

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

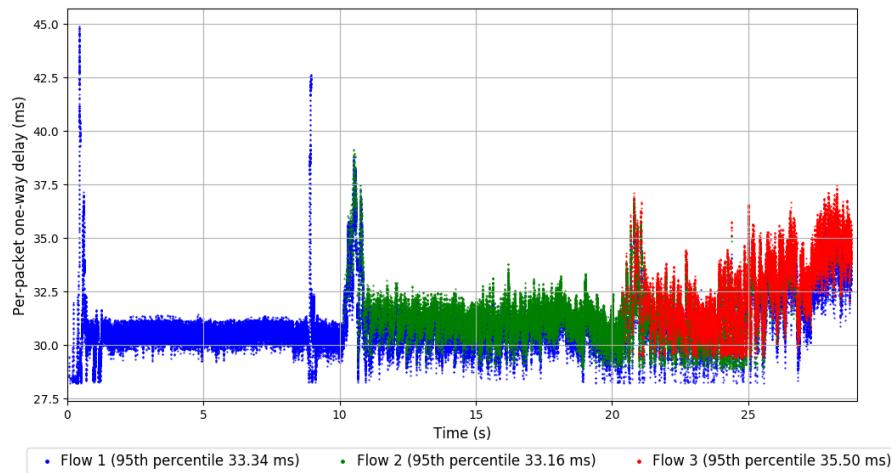
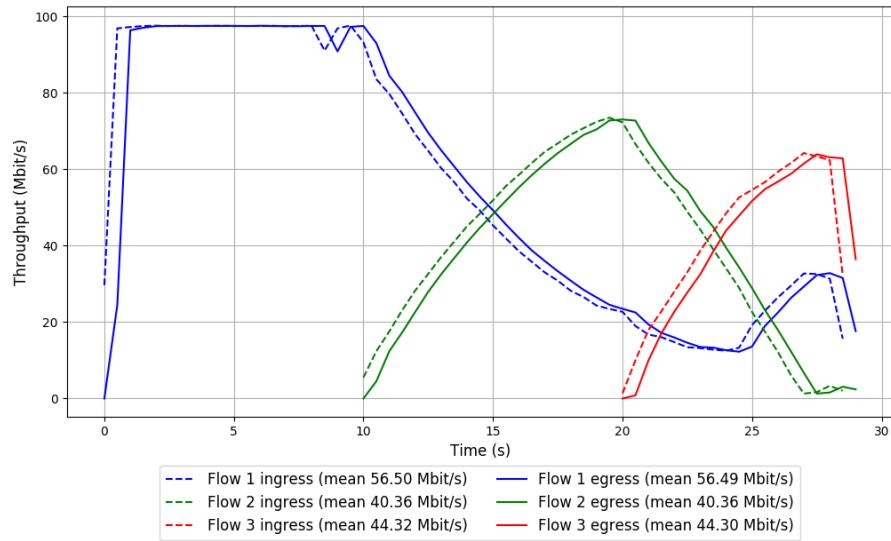


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-12-11 08:52:57
End at: 2019-12-11 08:53:28
Local clock offset: 4.649 ms
Remote clock offset: -7.303 ms

# Below is generated by plot.py at 2019-12-11 09:09:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 34.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 33.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 33.155 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 35.501 ms
Loss rate: 0.00%
```

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

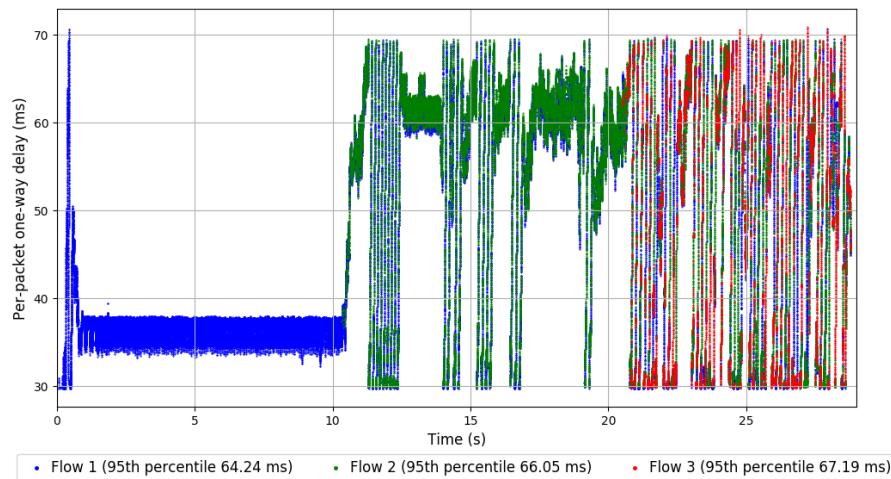
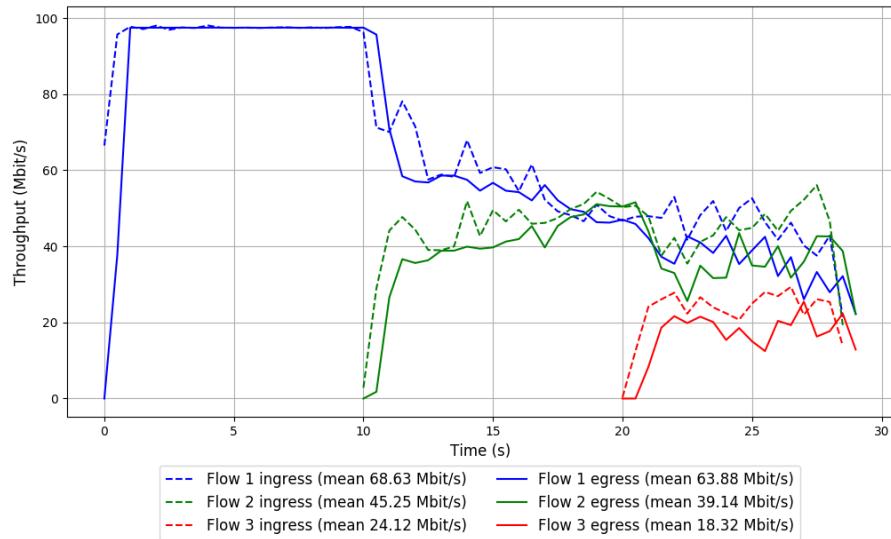


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 06:35:56
End at: 2019-12-11 06:36:26
Local clock offset: 6.108 ms
Remote clock offset: -5.845 ms

# Below is generated by plot.py at 2019-12-11 09:10:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 65.202 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 63.88 Mbit/s
95th percentile per-packet one-way delay: 64.243 ms
Loss rate: 6.88%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 66.048 ms
Loss rate: 13.47%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 67.189 ms
Loss rate: 24.20%
```

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

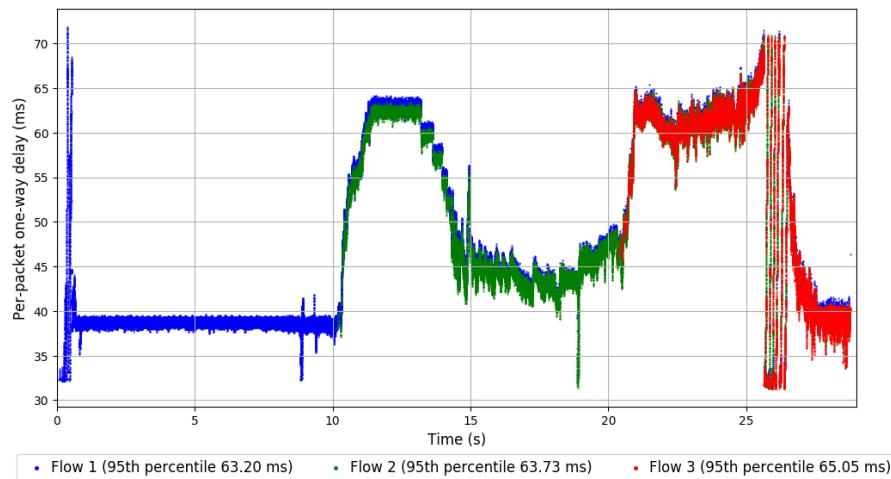
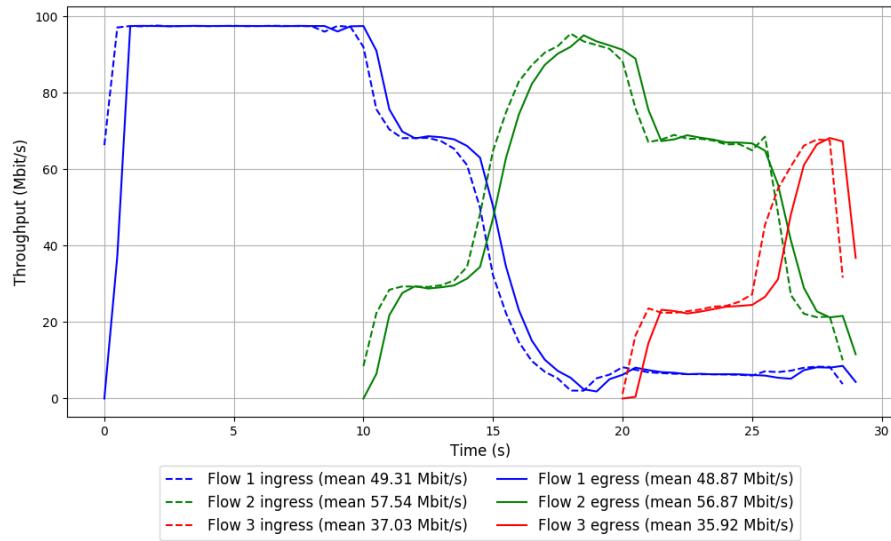


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 07:05:54
End at: 2019-12-11 07:06:24
Local clock offset: 2.243 ms
Remote clock offset: -6.236 ms

# Below is generated by plot.py at 2019-12-11 09:10:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 63.390 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 63.202 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 63.730 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 65.049 ms
Loss rate: 3.09%
```

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

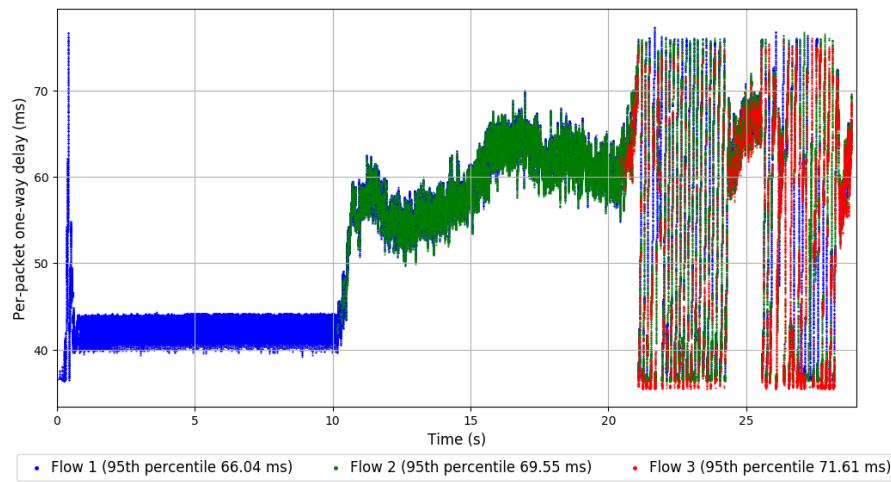
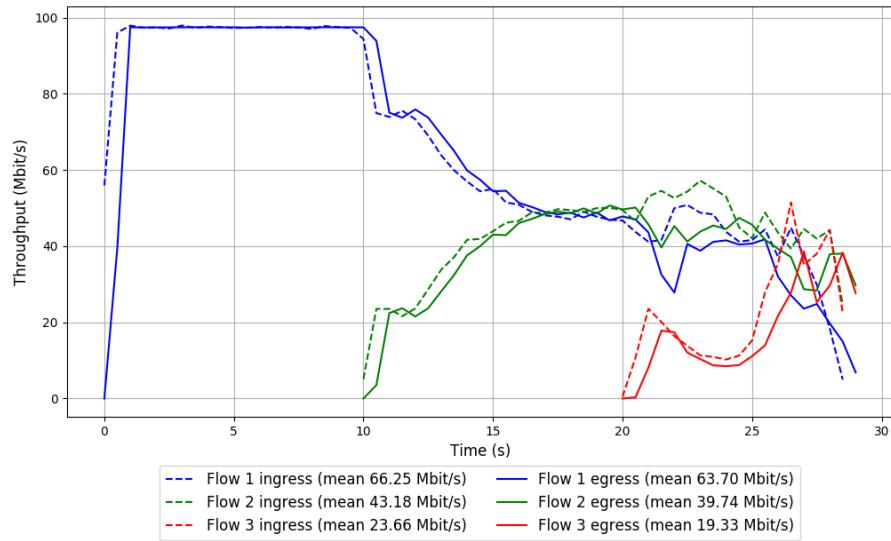


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 07:37:33
End at: 2019-12-11 07:38:03
Local clock offset: -0.622 ms
Remote clock offset: -4.472 ms

# Below is generated by plot.py at 2019-12-11 09:10:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 67.913 ms
Loss rate: 5.87%
-- Flow 1:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 66.037 ms
Loss rate: 3.75%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 69.547 ms
Loss rate: 7.83%
-- Flow 3:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 71.609 ms
Loss rate: 18.20%
```

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

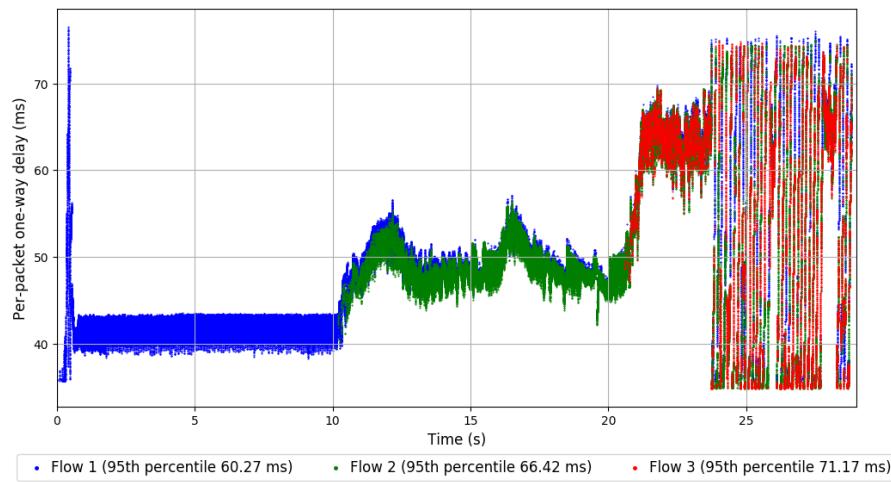
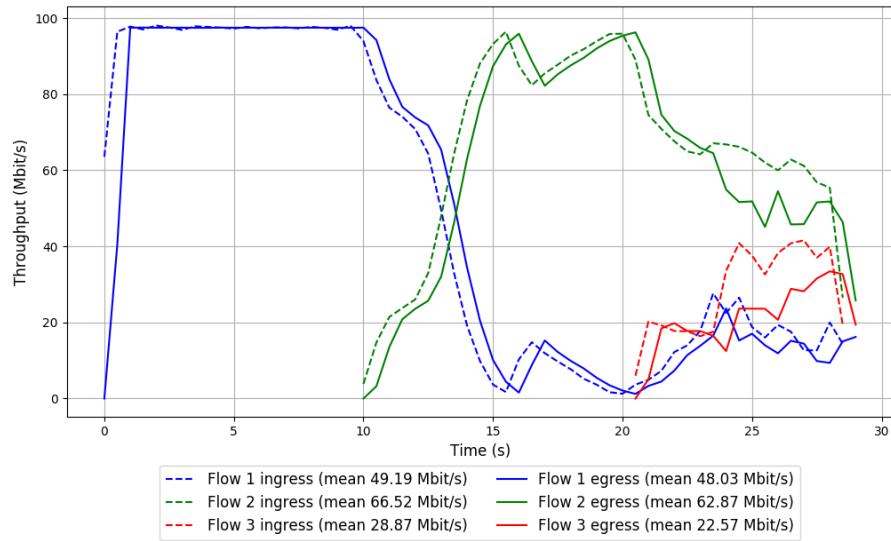


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 08:07:48
End at: 2019-12-11 08:08:18
Local clock offset: 1.086 ms
Remote clock offset: -6.558 ms

# Below is generated by plot.py at 2019-12-11 09:10:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 65.790 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 66.420 ms
Loss rate: 5.33%
-- Flow 3:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 71.169 ms
Loss rate: 21.60%
```

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

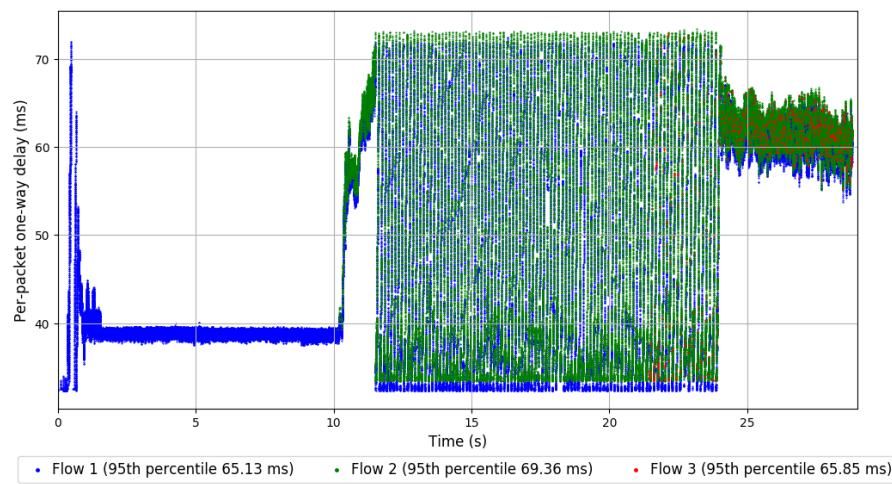
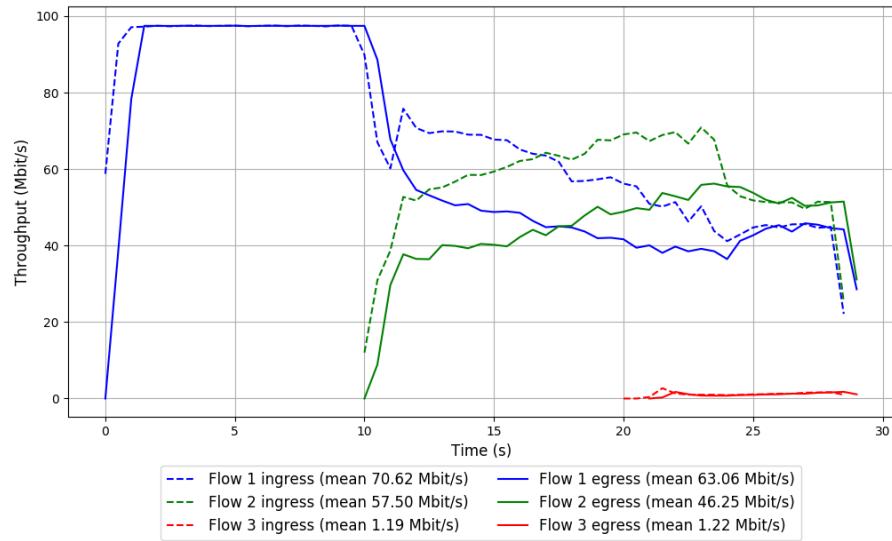


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-12-11 08:37:29
End at: 2019-12-11 08:37:59
Local clock offset: 6.046 ms
Remote clock offset: -4.455 ms

# Below is generated by plot.py at 2019-12-11 09:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 66.918 ms
Loss rate: 13.66%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 65.130 ms
Loss rate: 10.61%
-- Flow 2:
Average throughput: 46.25 Mbit/s
95th percentile per-packet one-way delay: 69.363 ms
Loss rate: 19.47%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 65.853 ms
Loss rate: 9.63%
```

Run 5: Report of Indigo-MusesT — Data Link

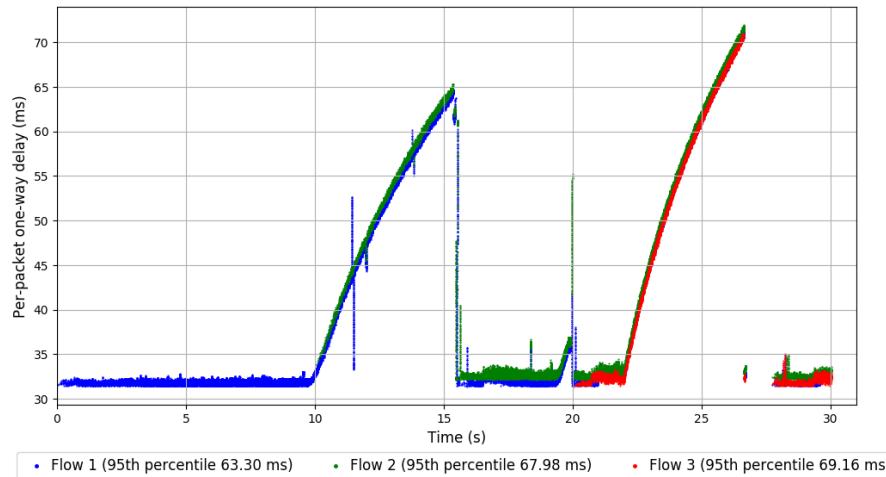
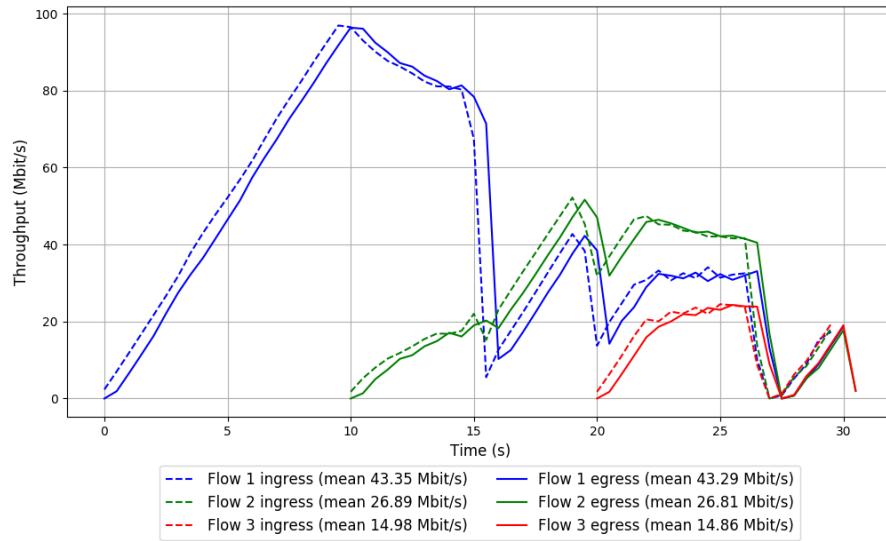


Run 1: Statistics of LEDBAT

```
Start at: 2019-12-11 06:32:12
End at: 2019-12-11 06:32:42
Local clock offset: 6.554 ms
Remote clock offset: -3.617 ms

# Below is generated by plot.py at 2019-12-11 09:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 65.522 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 63.304 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 26.81 Mbit/s
95th percentile per-packet one-way delay: 67.976 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 69.160 ms
Loss rate: 0.81%
```

Run 1: Report of LEDBAT — Data Link

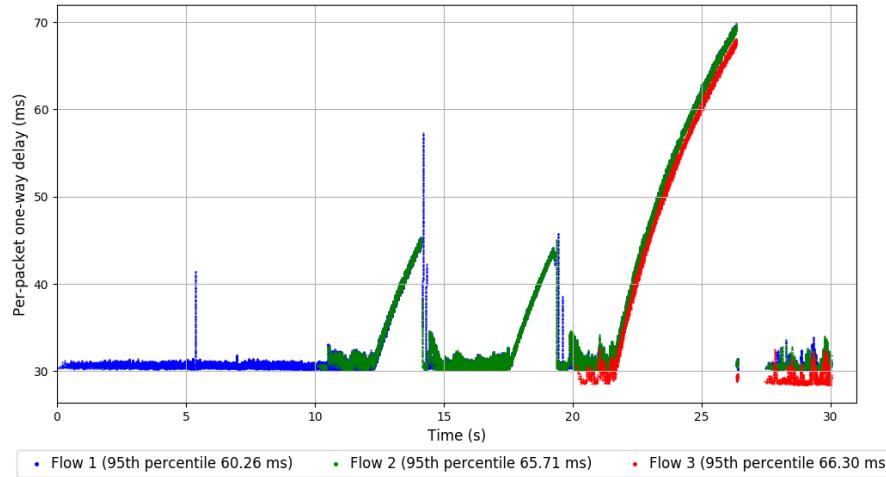
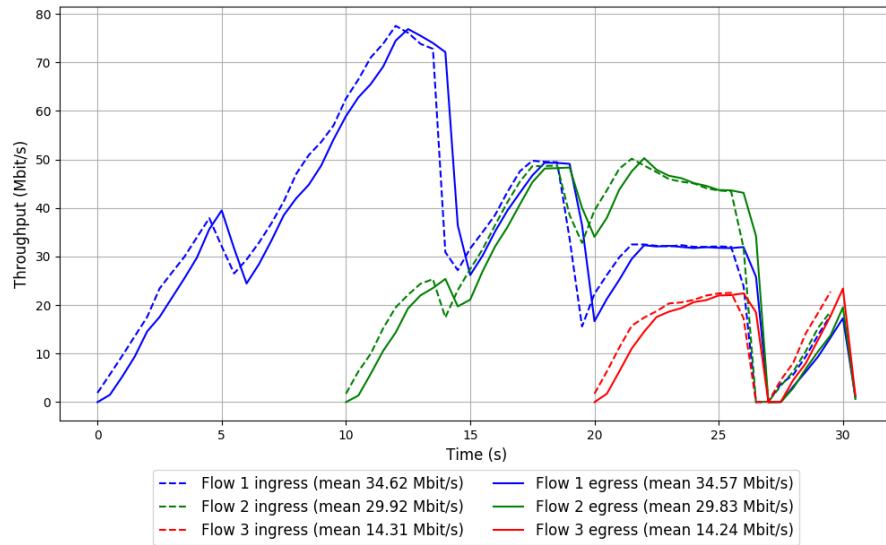


Run 2: Statistics of LEDBAT

```
Start at: 2019-12-11 07:02:15
End at: 2019-12-11 07:02:45
Local clock offset: 4.59 ms
Remote clock offset: -6.119 ms

# Below is generated by plot.py at 2019-12-11 09:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 64.176 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 60.260 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 65.711 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 14.24 Mbit/s
95th percentile per-packet one-way delay: 66.298 ms
Loss rate: 0.55%
```

## Run 2: Report of LEDBAT — Data Link

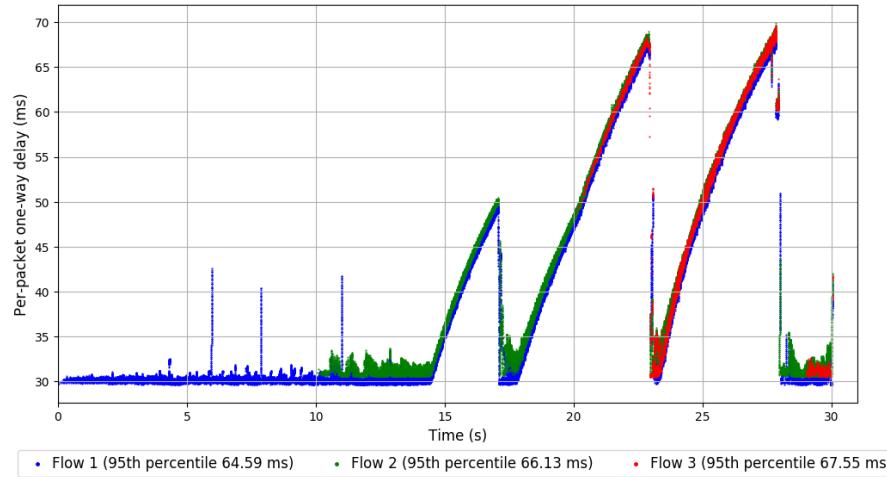
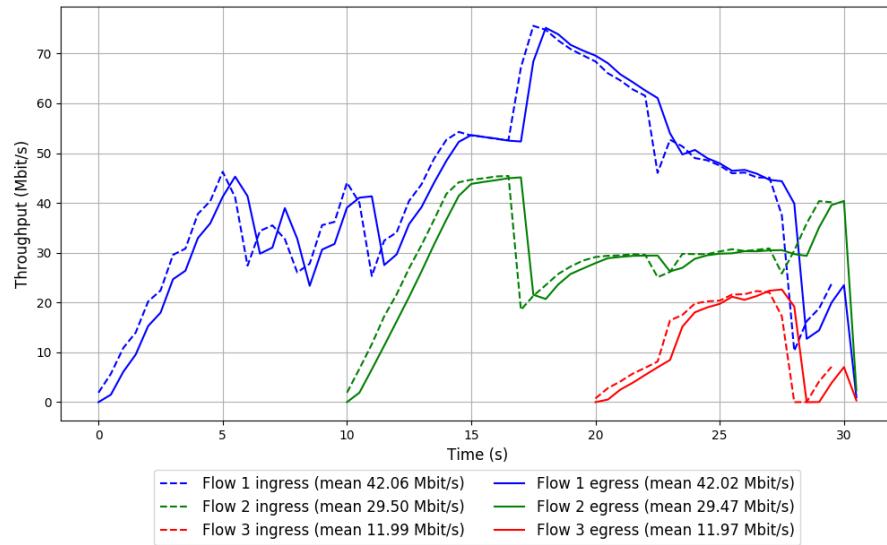


Run 3: Statistics of LEDBAT

```
Start at: 2019-12-11 07:33:37
End at: 2019-12-11 07:34:07
Local clock offset: 5.302 ms
Remote clock offset: -3.479 ms

# Below is generated by plot.py at 2019-12-11 09:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 65.514 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 64.589 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 66.131 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 67.548 ms
Loss rate: 0.30%
```

Run 3: Report of LEDBAT — Data Link

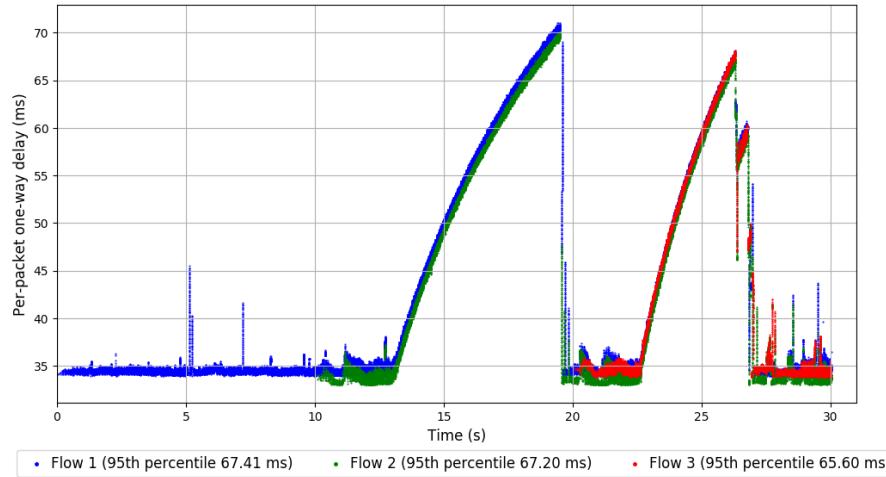
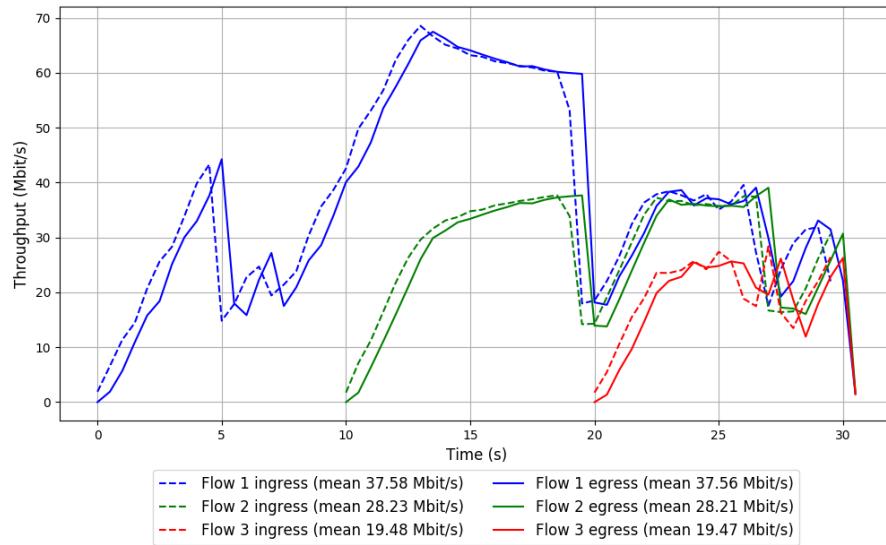


Run 4: Statistics of LEDBAT

```
Start at: 2019-12-11 08:04:02
End at: 2019-12-11 08:04:32
Local clock offset: 1.952 ms
Remote clock offset: -7.247 ms

# Below is generated by plot.py at 2019-12-11 09:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.82 Mbit/s
95th percentile per-packet one-way delay: 67.191 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 67.412 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 67.196 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 65.602 ms
Loss rate: 0.04%
```

Run 4: Report of LEDBAT — Data Link

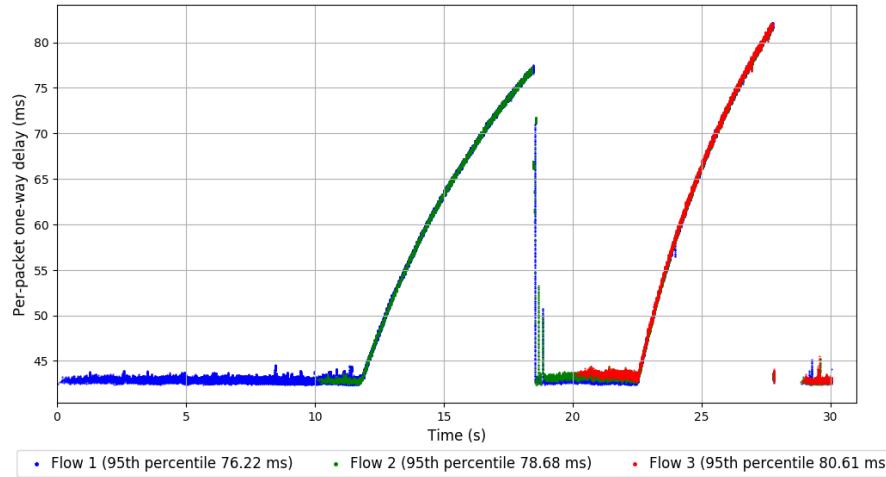
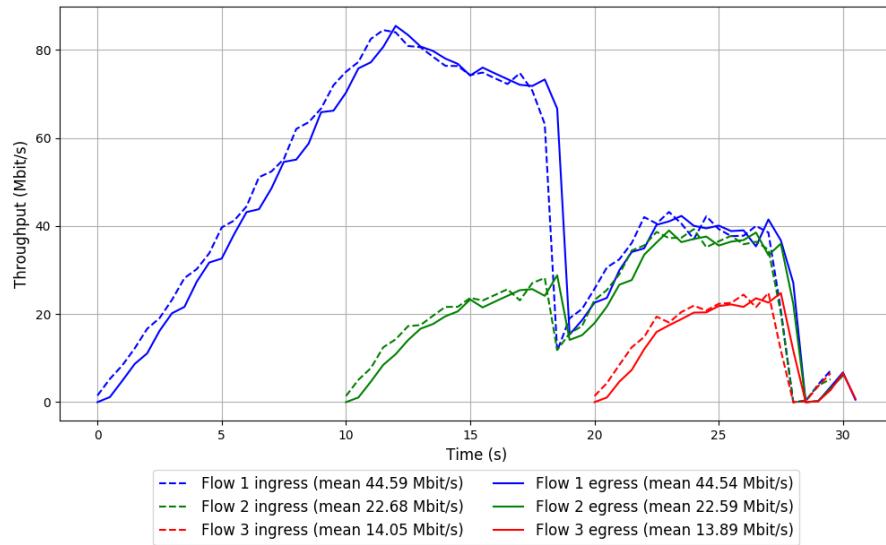


Run 5: Statistics of LEDBAT

```
Start at: 2019-12-11 08:33:43
End at: 2019-12-11 08:34:13
Local clock offset: 1.657 ms
Remote clock offset: -6.069 ms

# Below is generated by plot.py at 2019-12-11 09:11:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 77.174 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 76.222 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 22.59 Mbit/s
95th percentile per-packet one-way delay: 78.681 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 80.613 ms
Loss rate: 1.14%
```

Run 5: Report of LEDBAT — Data Link

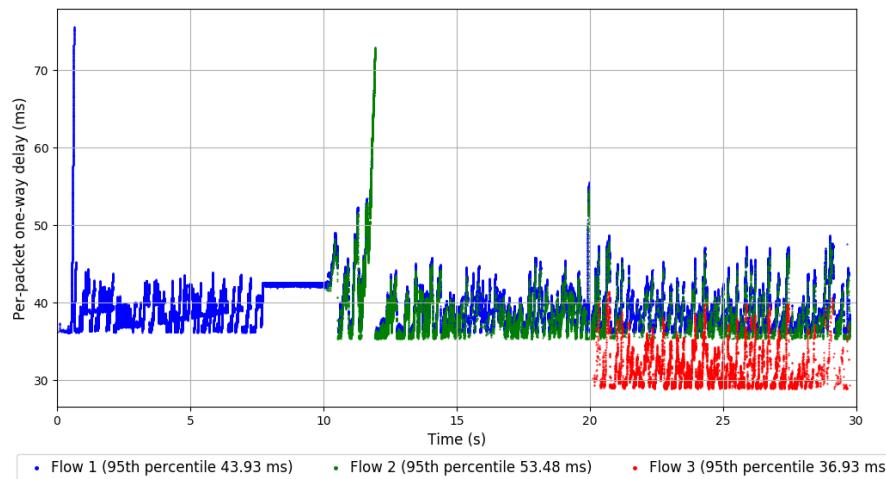
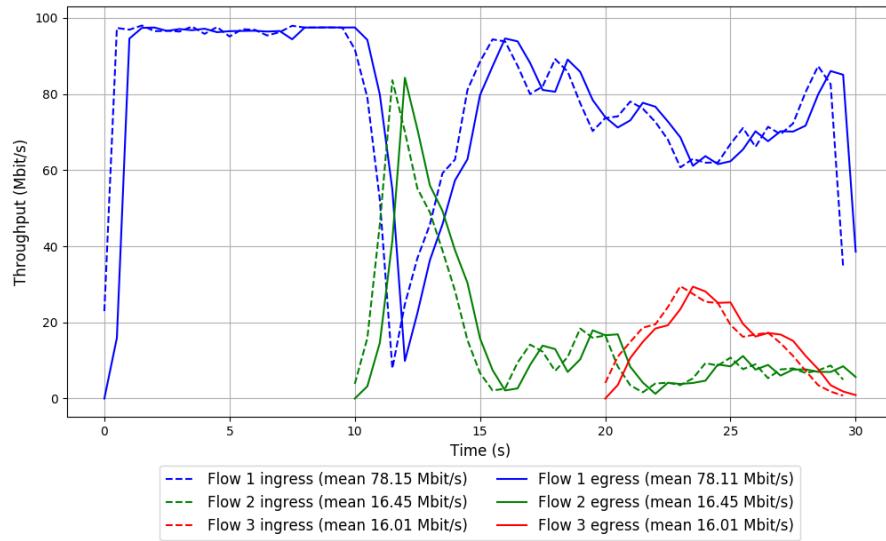


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 06:46:02
End at: 2019-12-11 06:46:32
Local clock offset: 6.484 ms
Remote clock offset: -6.535 ms

# Below is generated by plot.py at 2019-12-11 09:11:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 44.454 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 43.934 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 53.485 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 36.930 ms
Loss rate: 0.00%
```

Run 1: Report of Muses\_DecisionTree — Data Link

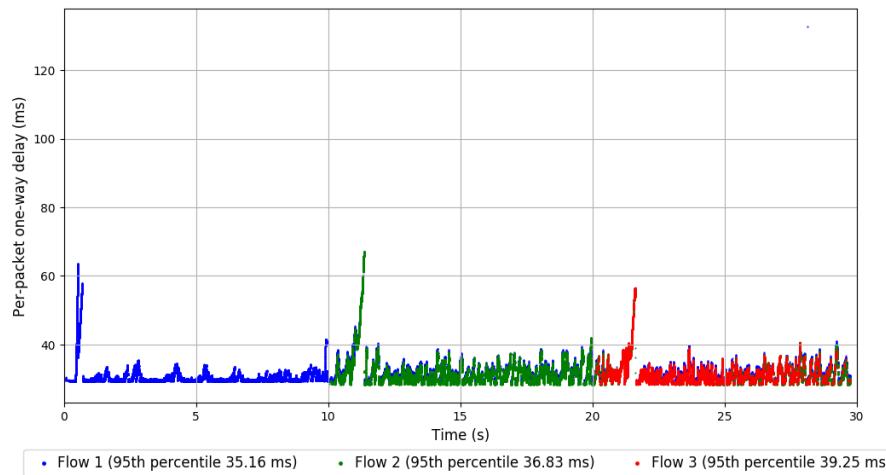
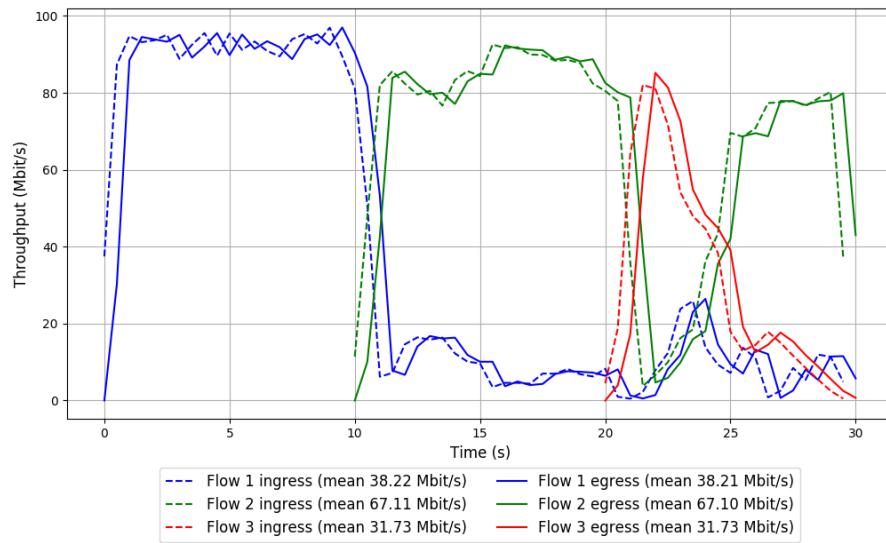


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 07:16:06
End at: 2019-12-11 07:16:36
Local clock offset: 4.507 ms
Remote clock offset: -5.452 ms

# Below is generated by plot.py at 2019-12-11 09:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 36.637 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 35.156 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 36.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 39.249 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTree — Data Link

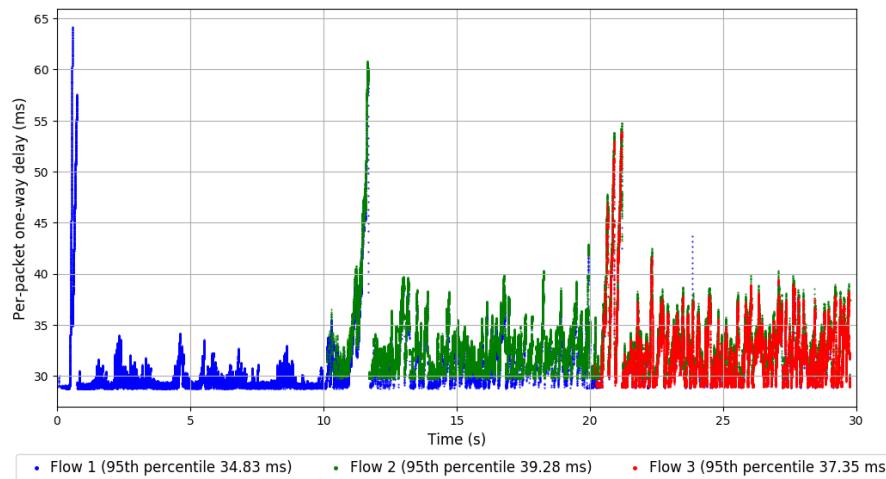
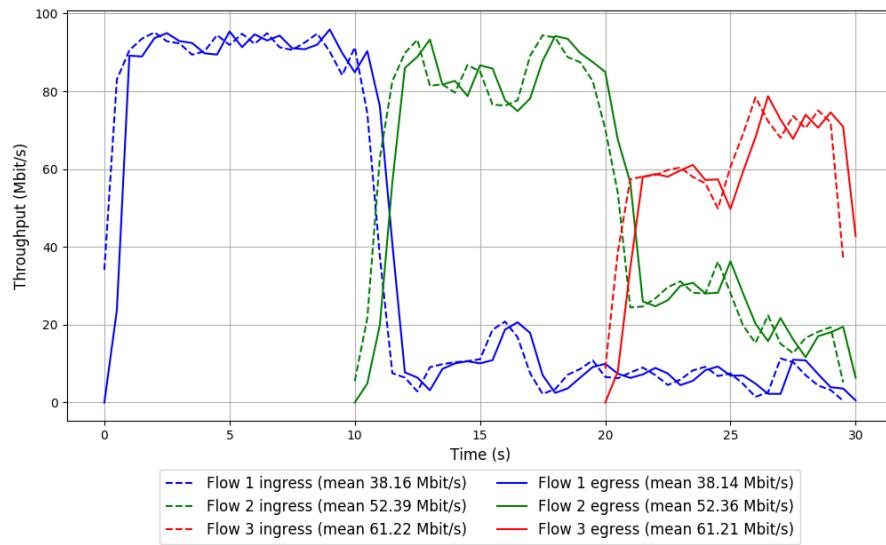


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 07:47:46
End at: 2019-12-11 07:48:16
Local clock offset: 6.049 ms
Remote clock offset: -6.172 ms

# Below is generated by plot.py at 2019-12-11 09:11:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 37.688 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 34.833 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 39.276 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 61.21 Mbit/s
95th percentile per-packet one-way delay: 37.355 ms
Loss rate: 0.01%
```

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

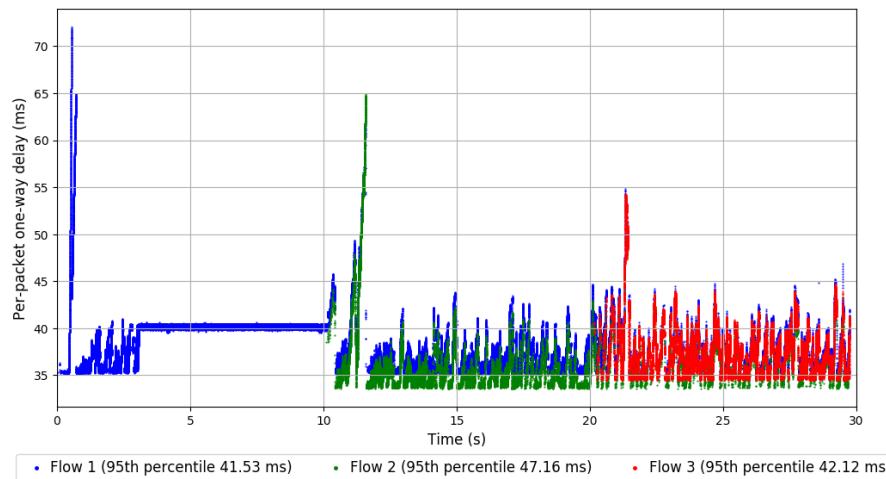
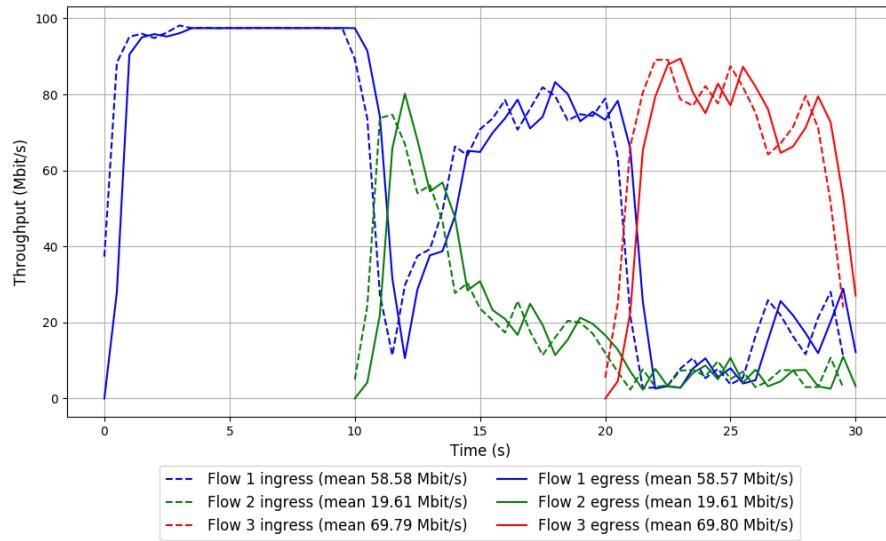


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 08:17:24
End at: 2019-12-11 08:17:54
Local clock offset: 0.653 ms
Remote clock offset: -7.055 ms

# Below is generated by plot.py at 2019-12-11 09:11:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 42.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 41.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 47.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 42.121 ms
Loss rate: 0.01%
```

Run 4: Report of Muses\_DecisionTree — Data Link

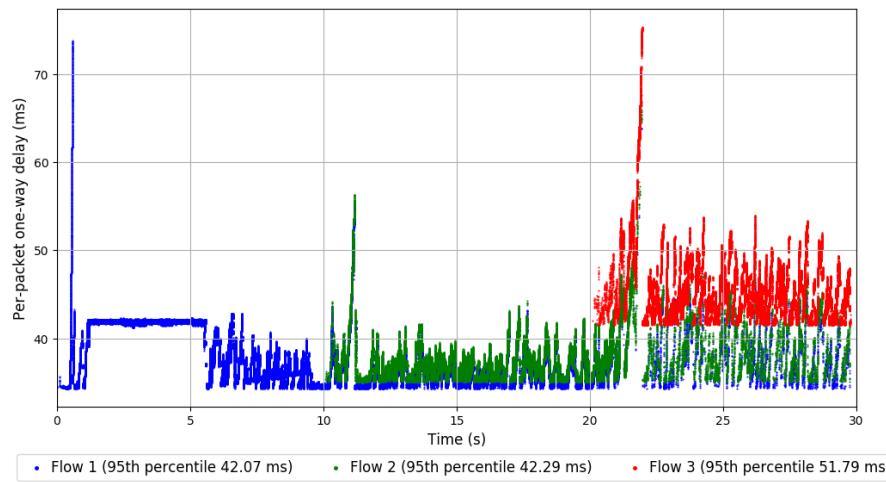
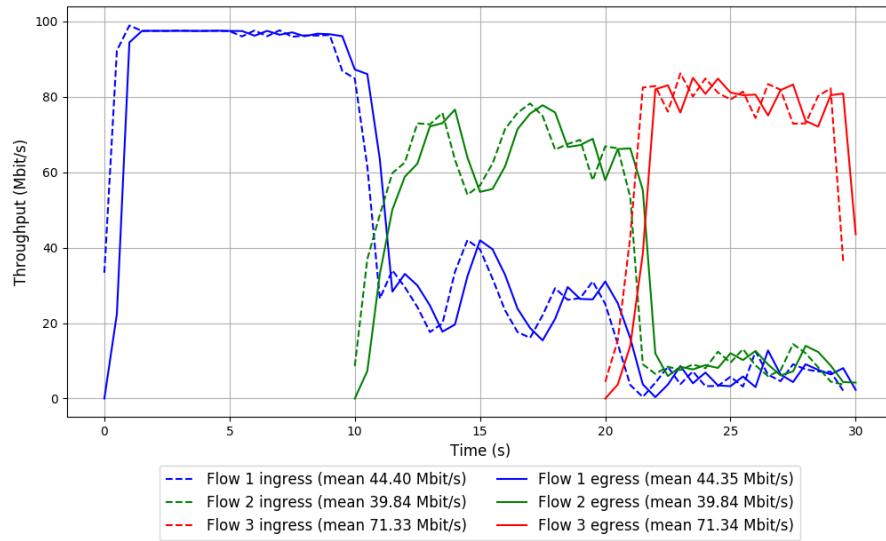


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-12-11 08:46:57
End at: 2019-12-11 08:47:27
Local clock offset: -0.945 ms
Remote clock offset: -7.477 ms

# Below is generated by plot.py at 2019-12-11 09:11:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 48.275 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 42.070 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 42.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.34 Mbit/s
95th percentile per-packet one-way delay: 51.793 ms
Loss rate: 0.07%
```

Run 5: Report of Muses\_DecisionTree — Data Link

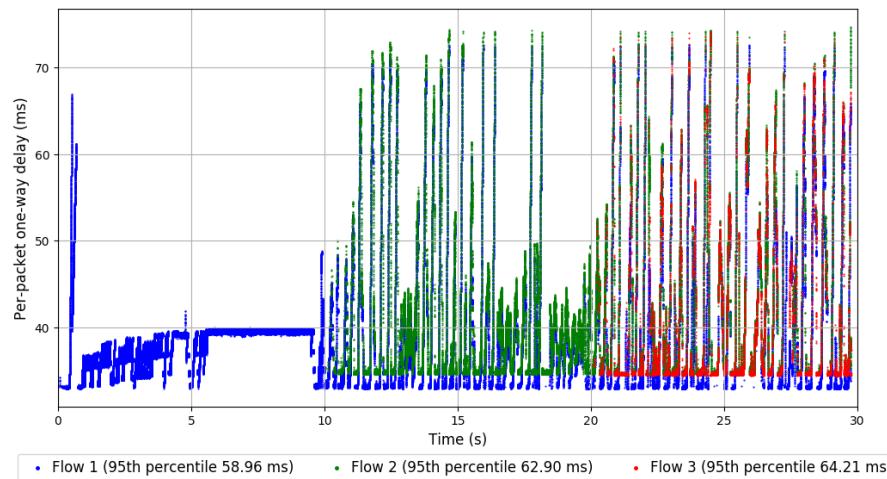
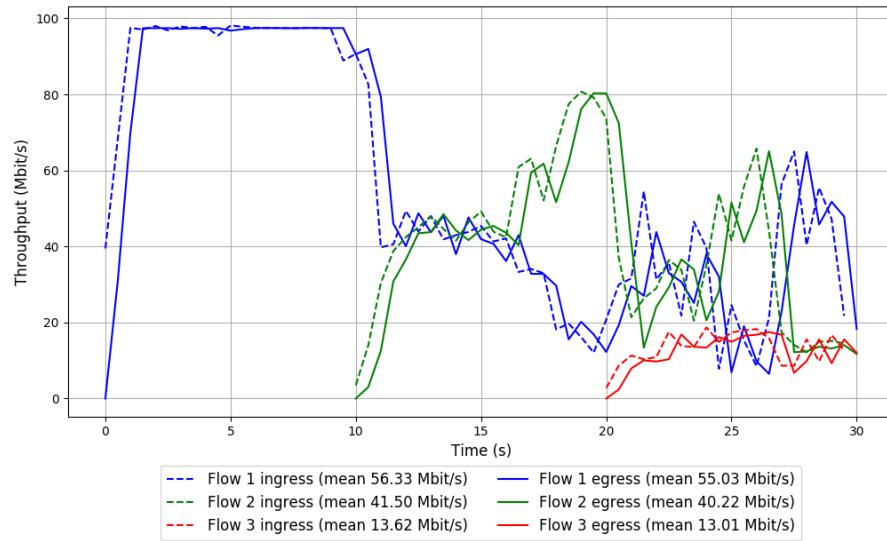


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 06:53:37
End at: 2019-12-11 06:54:07
Local clock offset: 0.61 ms
Remote clock offset: -6.07 ms

# Below is generated by plot.py at 2019-12-11 09:11:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 60.839 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 58.959 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 62.902 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 64.209 ms
Loss rate: 4.51%
```

Run 1: Report of Muses\_DecisionTreeH0 — Data Link

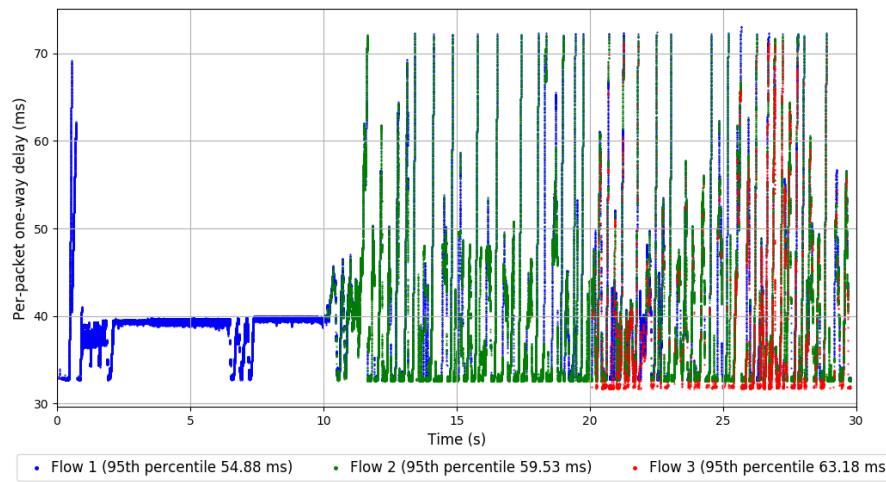
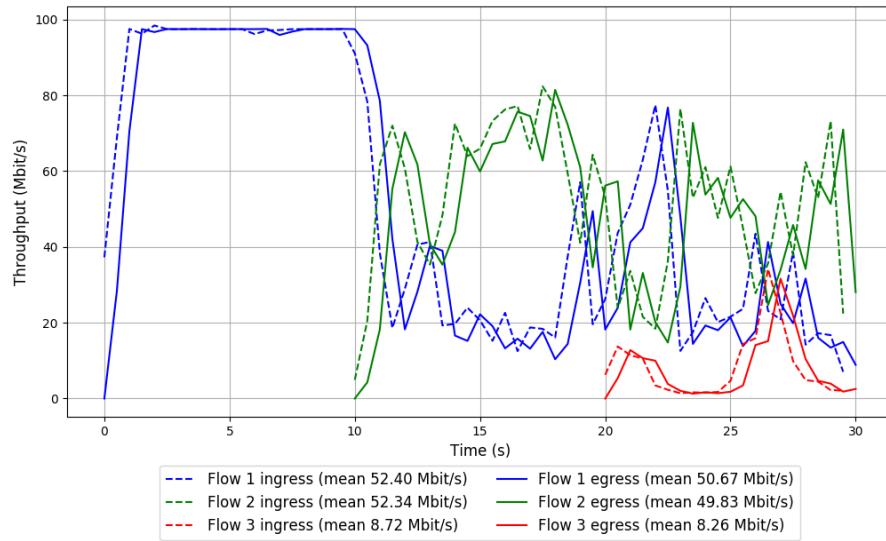


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 07:23:59
End at: 2019-12-11 07:24:29
Local clock offset: 1.849 ms
Remote clock offset: -5.463 ms

# Below is generated by plot.py at 2019-12-11 09:12:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 57.641 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 54.882 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 59.528 ms
Loss rate: 4.84%
-- Flow 3:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 63.182 ms
Loss rate: 5.26%
```

Run 2: Report of Muses\_DecisionTreeH0 — Data Link

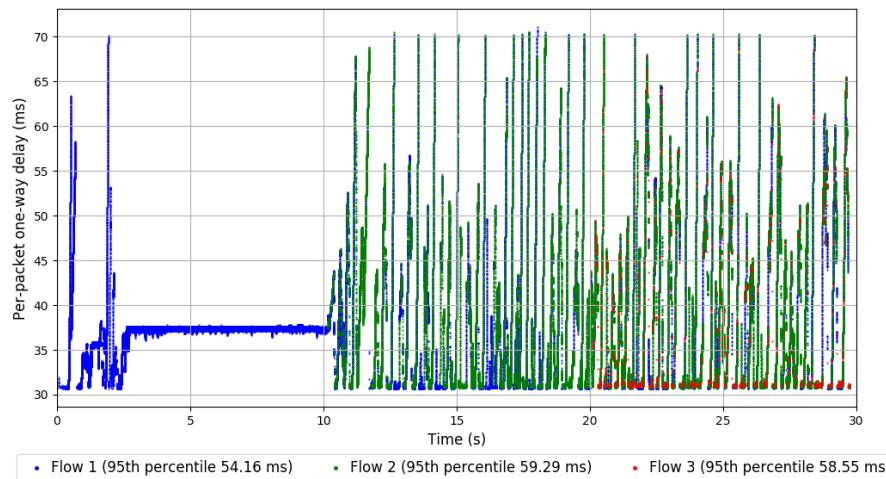
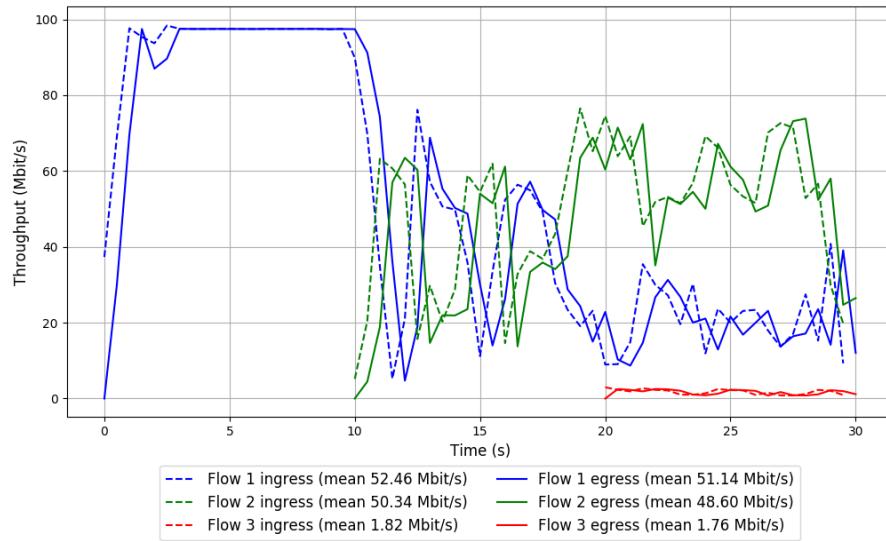


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 07:55:21
End at: 2019-12-11 07:55:51
Local clock offset: 6.129 ms
Remote clock offset: -4.879 ms

# Below is generated by plot.py at 2019-12-11 09:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 56.696 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 51.14 Mbit/s
95th percentile per-packet one-way delay: 54.163 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 59.287 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 58.545 ms
Loss rate: 3.25%
```

Run 3: Report of Muses\_DecisionTreeH0 — Data Link

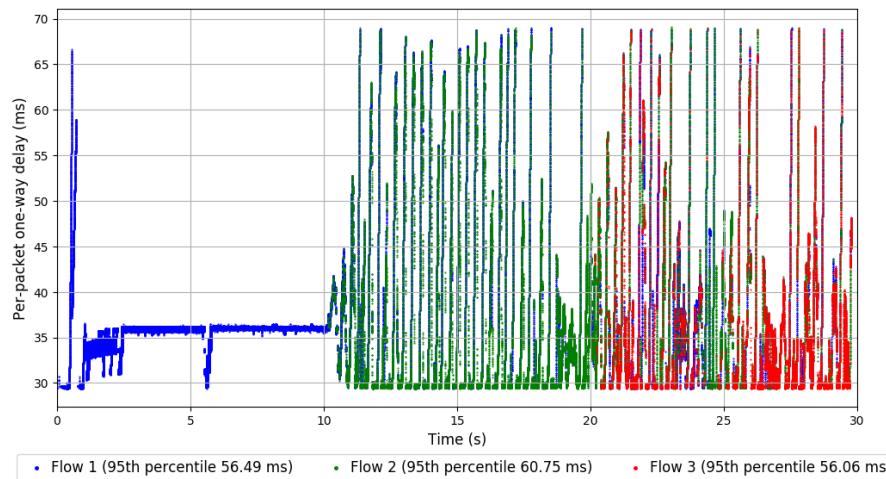
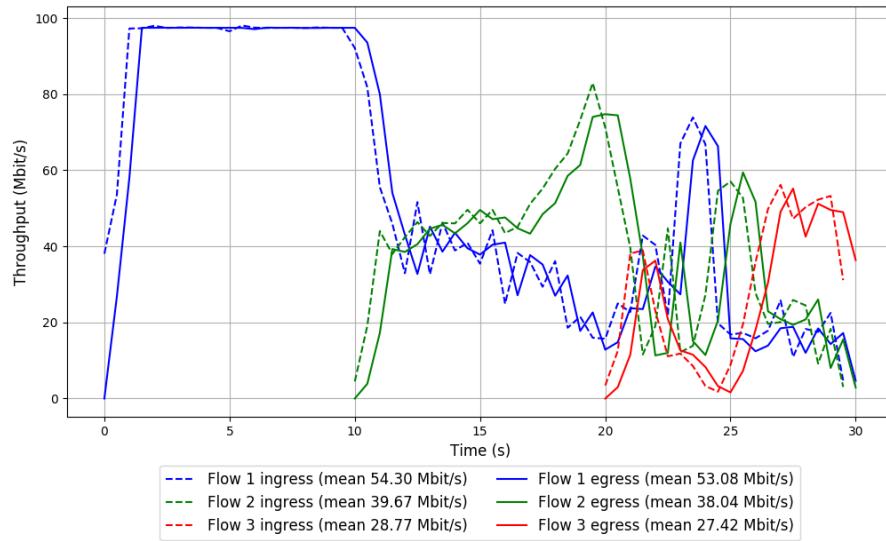


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 08:24:59
End at: 2019-12-11 08:25:29
Local clock offset: 6.354 ms
Remote clock offset: -7.191 ms

# Below is generated by plot.py at 2019-12-11 09:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 58.056 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 56.488 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 60.751 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 56.064 ms
Loss rate: 4.57%
```

Run 4: Report of Muses\_DecisionTreeH0 — Data Link

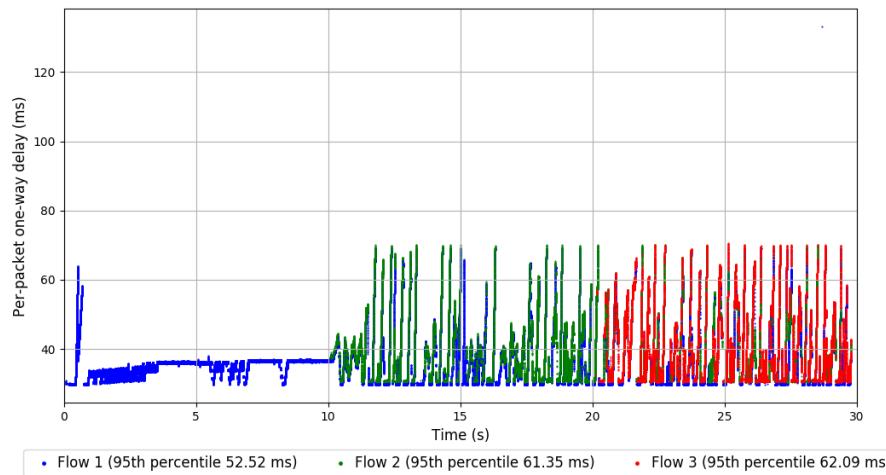
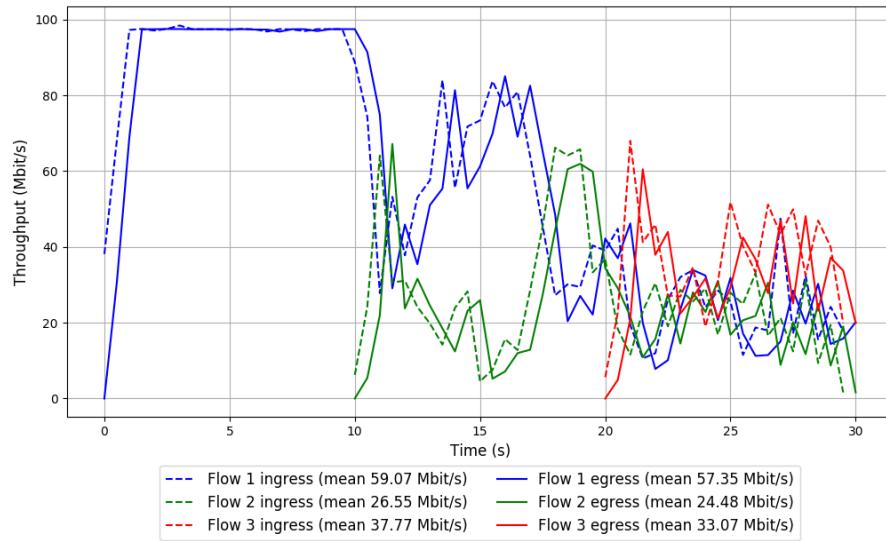


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-12-11 08:54:11
End at: 2019-12-11 08:54:41
Local clock offset: 4.016 ms
Remote clock offset: -6.877 ms

# Below is generated by plot.py at 2019-12-11 09:12:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 57.484 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 52.523 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 61.346 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 62.091 ms
Loss rate: 12.34%
```

Run 5: Report of Muses\_DecisionTreeH0 — Data Link

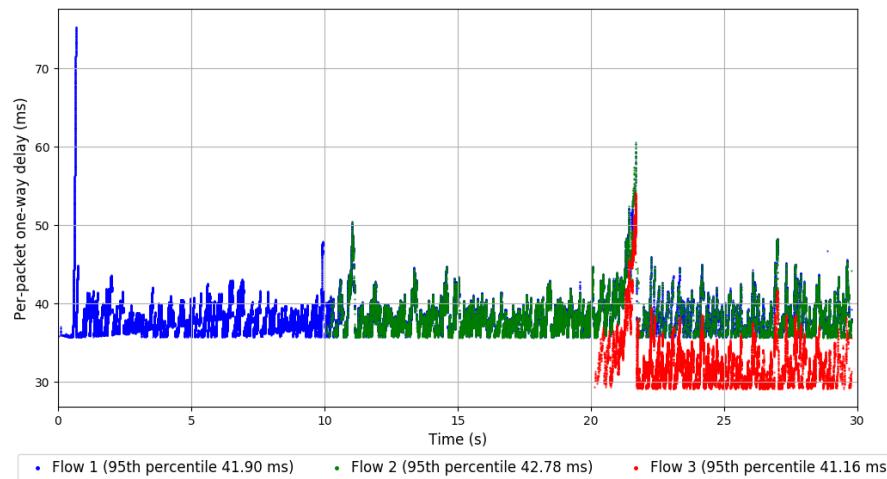
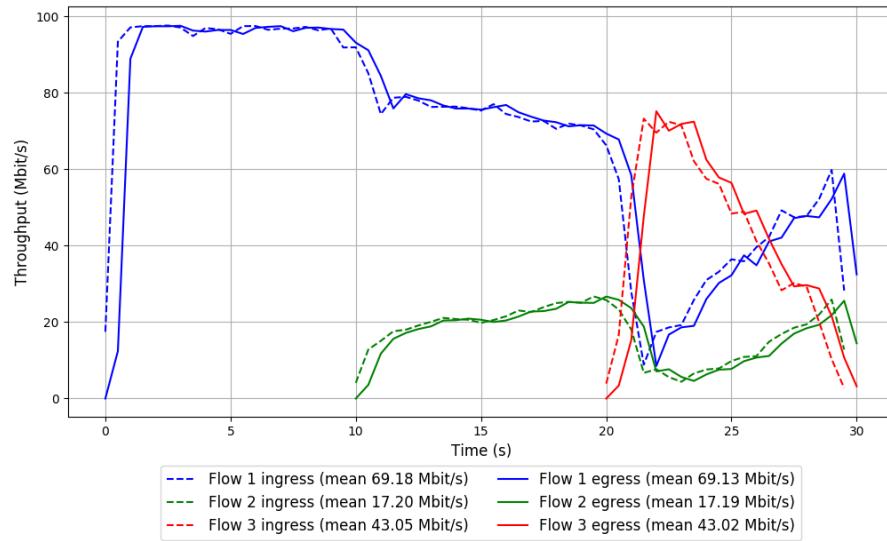


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 06:47:19
End at: 2019-12-11 06:47:49
Local clock offset: 5.585 ms
Remote clock offset: -6.906 ms

# Below is generated by plot.py at 2019-12-11 09:12:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 42.007 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.13 Mbit/s
95th percentile per-packet one-way delay: 41.901 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 42.779 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 41.162 ms
Loss rate: 0.00%
```

Run 1: Report of Muses\_DecisionTreeR0 — Data Link

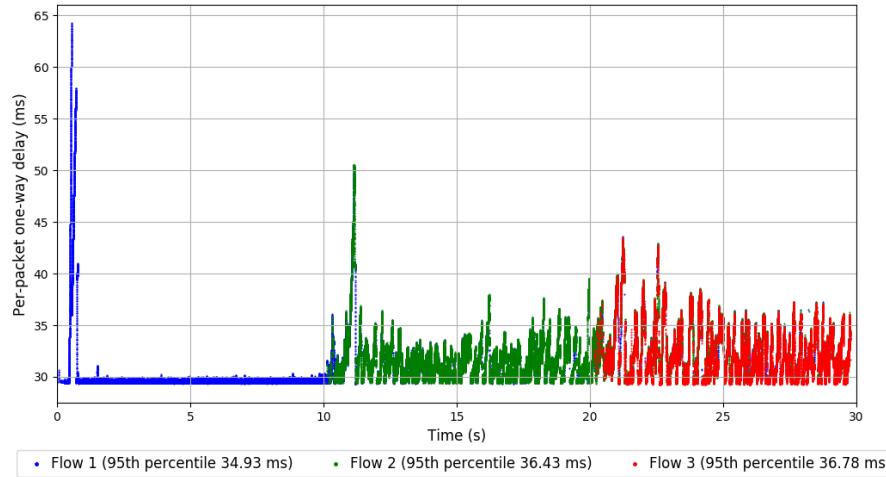
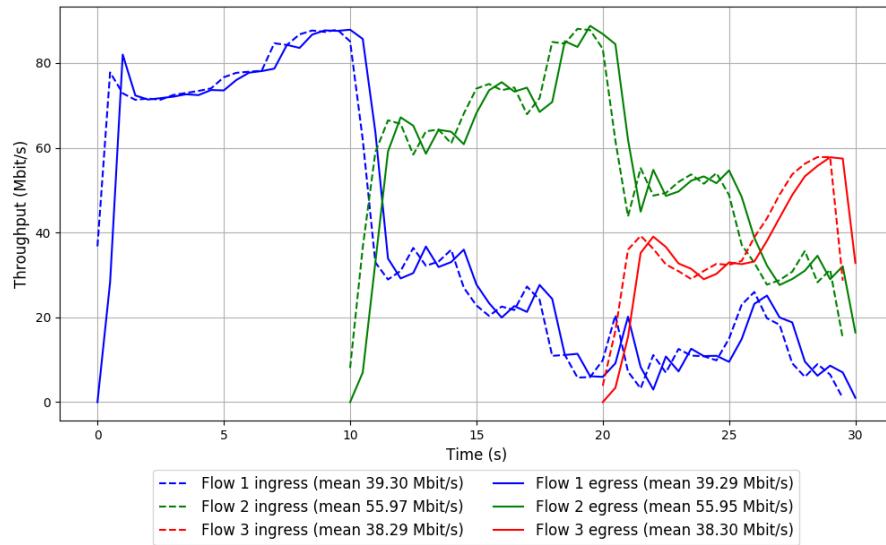


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 07:17:23
End at: 2019-12-11 07:17:53
Local clock offset: 4.677 ms
Remote clock offset: -5.103 ms

# Below is generated by plot.py at 2019-12-11 09:12:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 36.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 34.926 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 36.426 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 36.785 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTreeR0 — Data Link

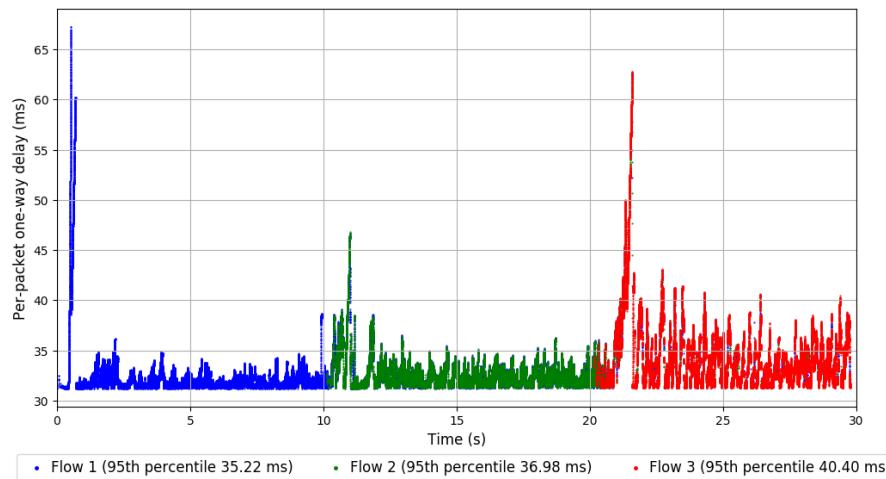
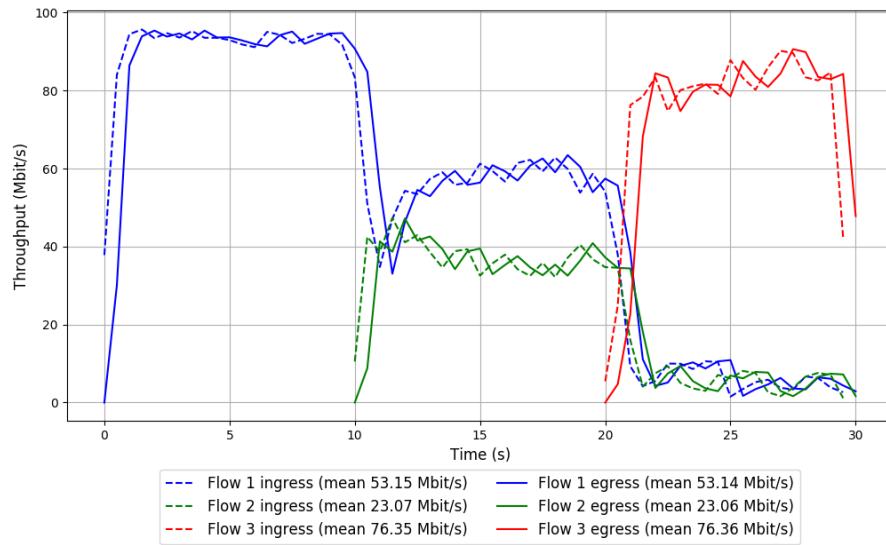


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 07:49:00
End at: 2019-12-11 07:49:30
Local clock offset: 3.359 ms
Remote clock offset: -6.553 ms

# Below is generated by plot.py at 2019-12-11 09:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 37.642 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.14 Mbit/s
95th percentile per-packet one-way delay: 35.222 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 36.985 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 40.404 ms
Loss rate: 0.01%
```

Run 3: Report of Muses\_DecisionTreeR0 — Data Link

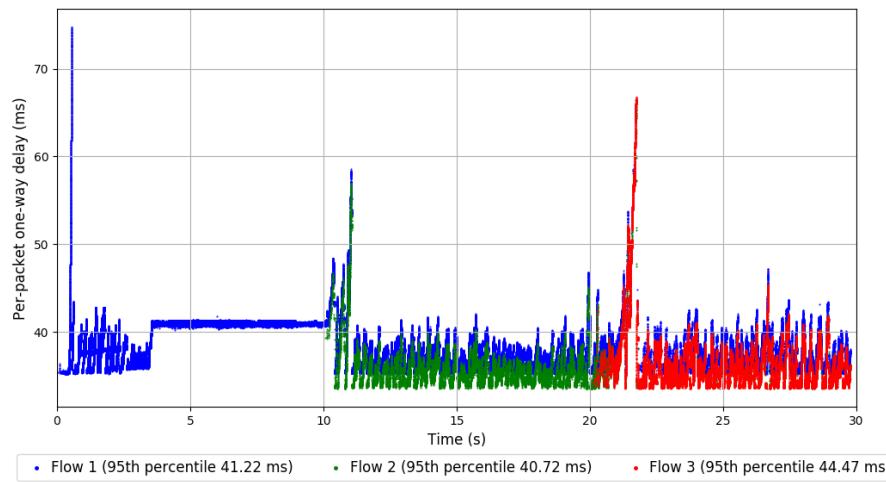
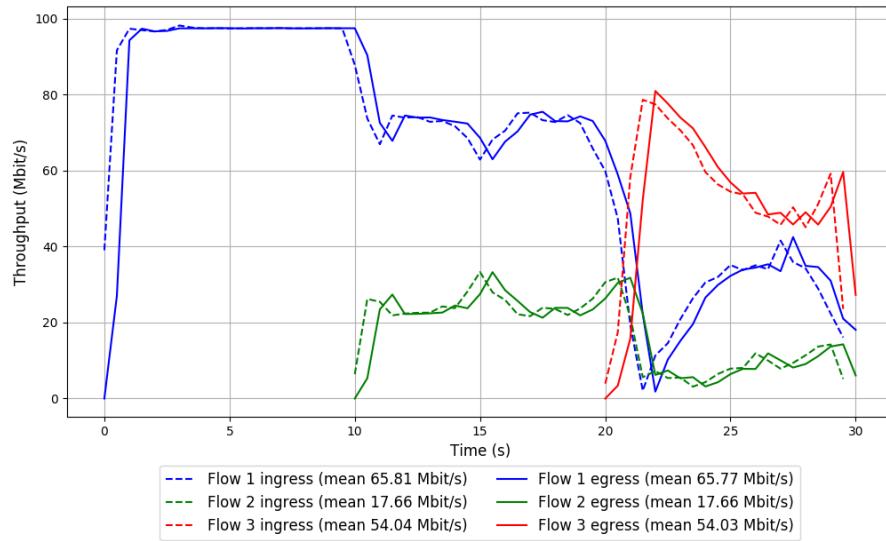


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 08:18:36
End at: 2019-12-11 08:19:06
Local clock offset: 0.468 ms
Remote clock offset: -7.362 ms

# Below is generated by plot.py at 2019-12-11 09:13:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 41.251 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 41.217 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 40.722 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 44.466 ms
Loss rate: 0.01%
```

Run 4: Report of Muses\_DecisionTreeR0 — Data Link

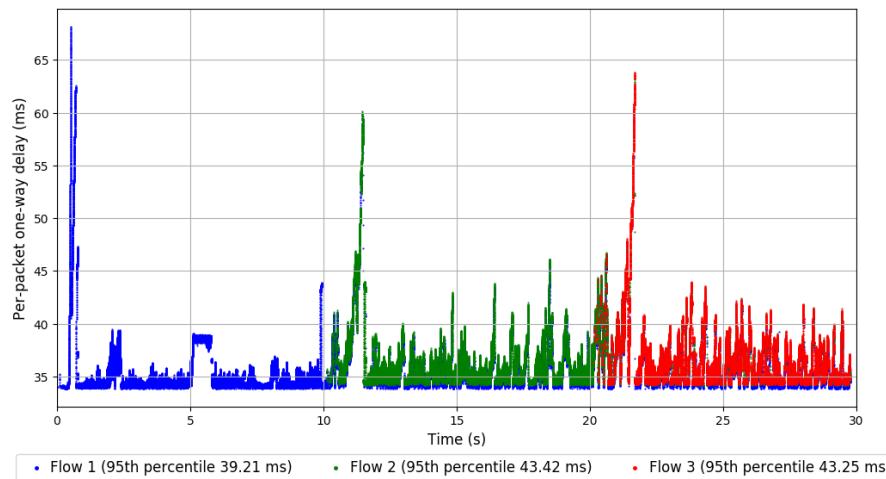
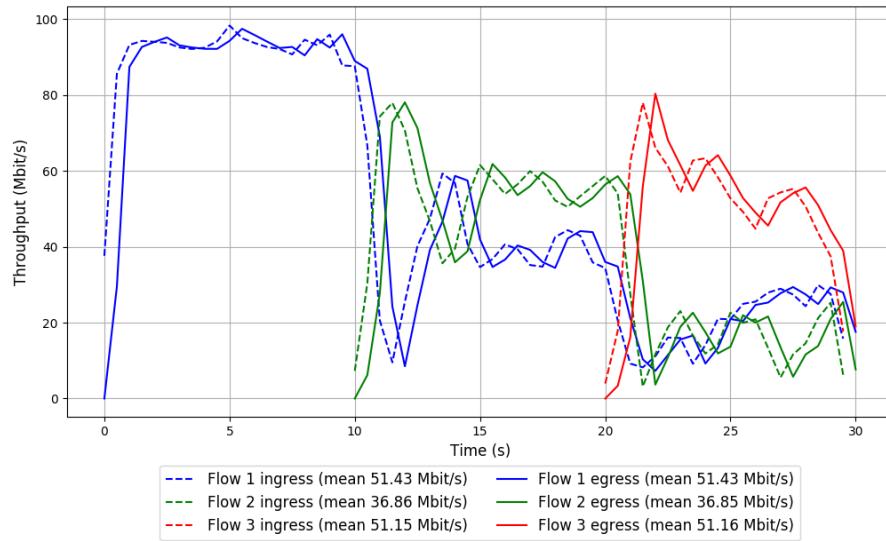


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-12-11 08:48:09
End at: 2019-12-11 08:48:39
Local clock offset: -0.035 ms
Remote clock offset: -6.57 ms

# Below is generated by plot.py at 2019-12-11 09:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 41.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 39.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 43.418 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 43.252 ms
Loss rate: 0.00%
```

Run 5: Report of Muses\_DecisionTreeR0 — Data Link

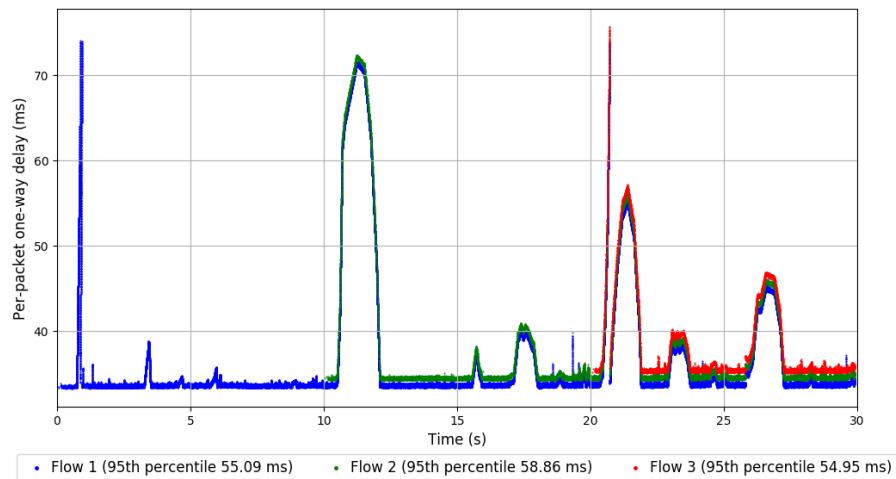
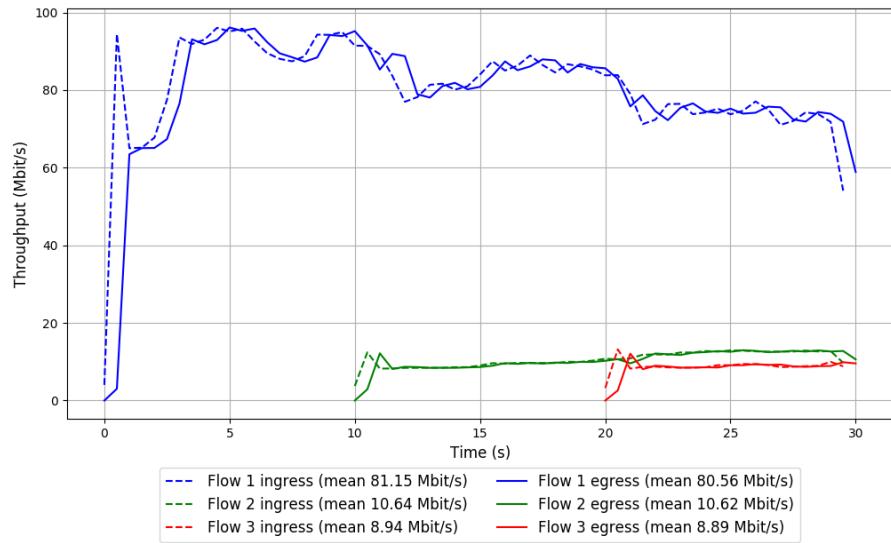


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-12-11 06:30:57
End at: 2019-12-11 06:31:27
Local clock offset: 1.592 ms
Remote clock offset: -5.76 ms

# Below is generated by plot.py at 2019-12-11 09:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 55.252 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 55.085 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 58.859 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 54.948 ms
Loss rate: 0.56%
```

Run 1: Report of PCC-Allegro — Data Link

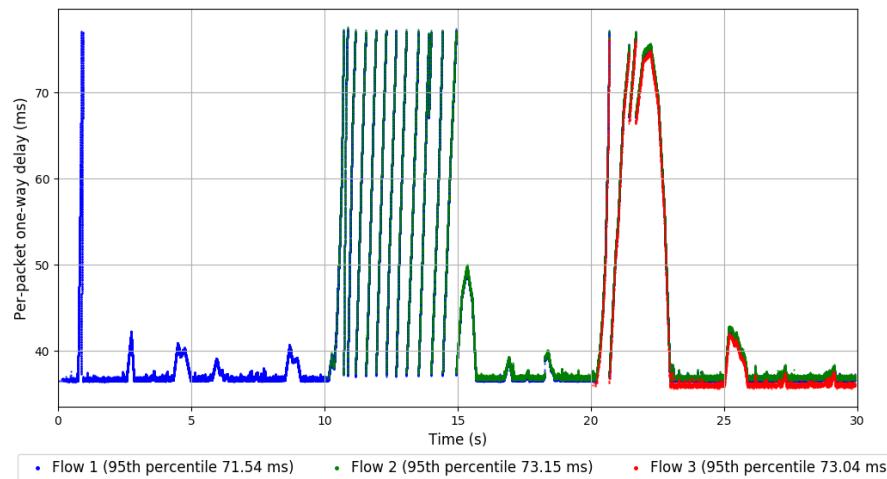
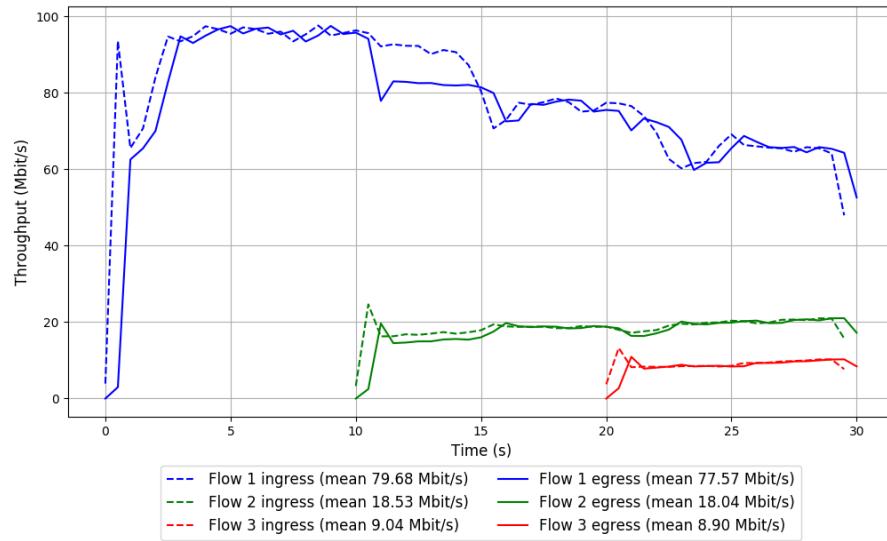


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-12-11 07:01:03
End at: 2019-12-11 07:01:33
Local clock offset: 0.125 ms
Remote clock offset: -4.148 ms

# Below is generated by plot.py at 2019-12-11 09:13:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 71.855 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 71.538 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 73.151 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 73.044 ms
Loss rate: 1.57%
```

Run 2: Report of PCC-Allegro — Data Link

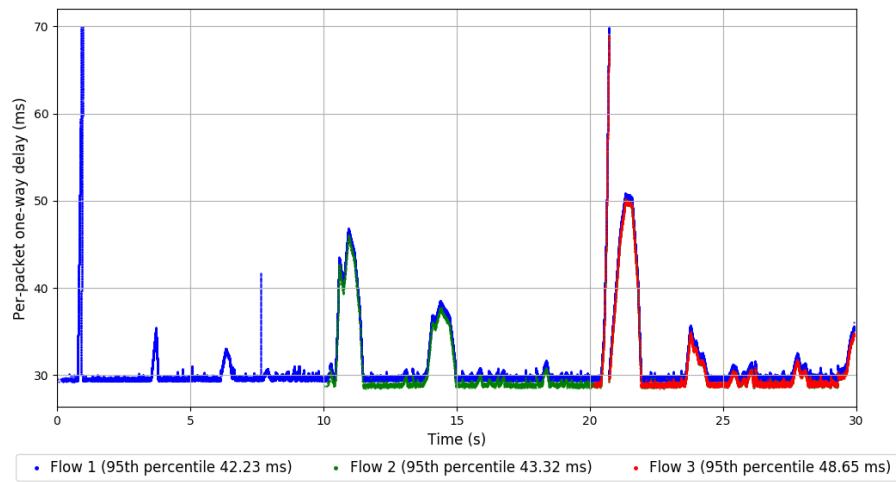
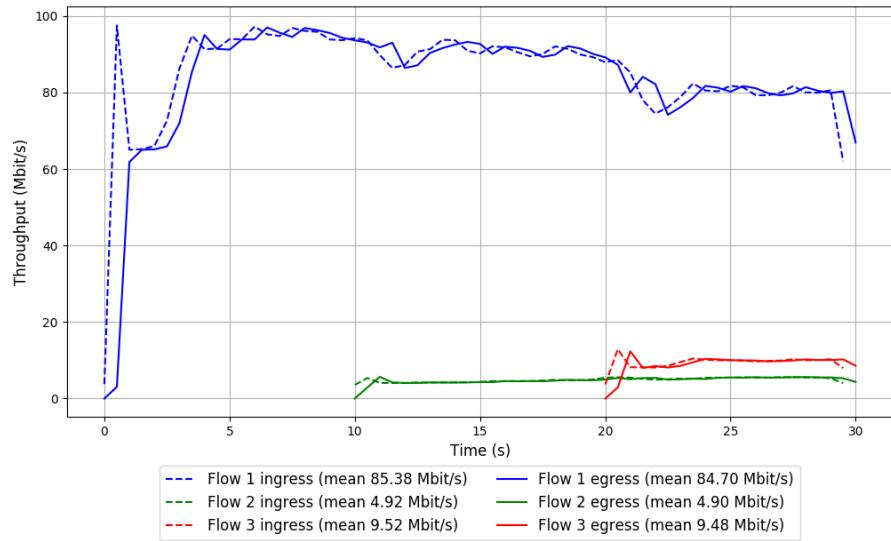


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-12-11 07:32:22
End at: 2019-12-11 07:32:52
Local clock offset: -0.064 ms
Remote clock offset: -10.819 ms

# Below is generated by plot.py at 2019-12-11 09:13:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: 42.513 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 42.235 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 43.322 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 48.653 ms
Loss rate: 0.35%
```

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

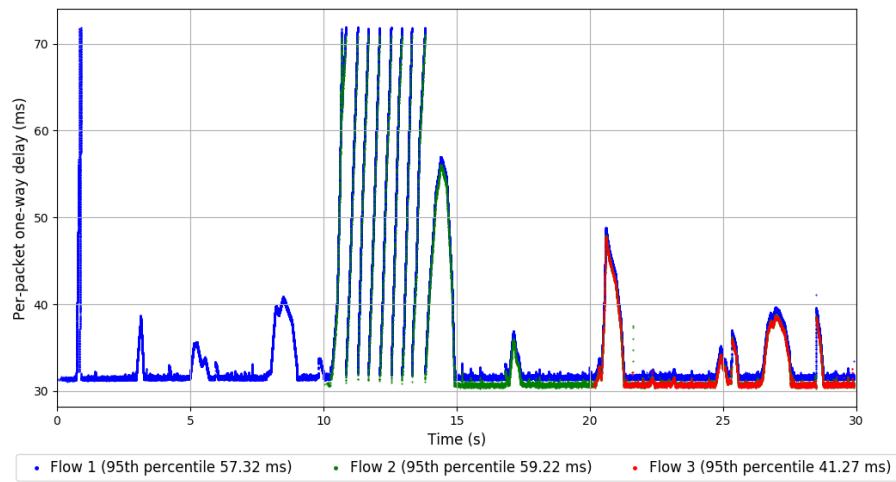
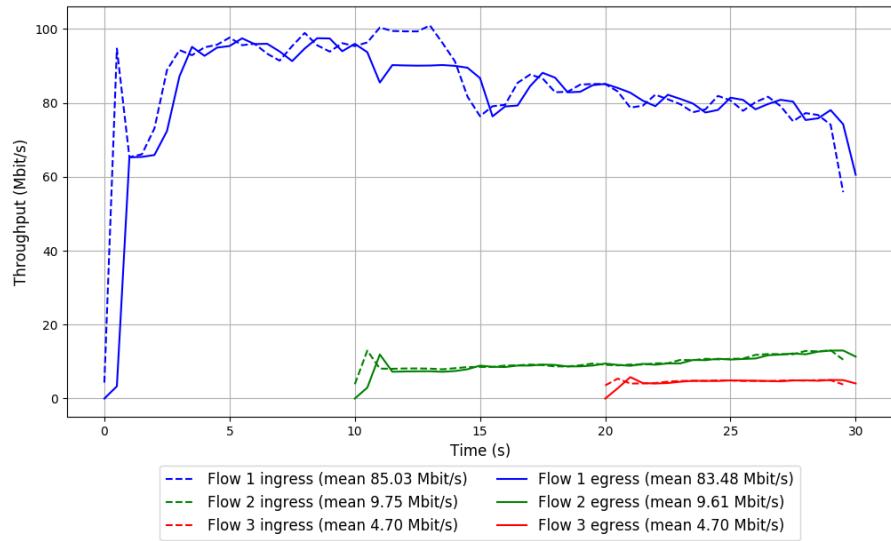


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-12-11 08:02:46
End at: 2019-12-11 08:03:16
Local clock offset: 6.073 ms
Remote clock offset: -4.855 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 57.117 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 57.319 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 59.221 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 41.265 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link

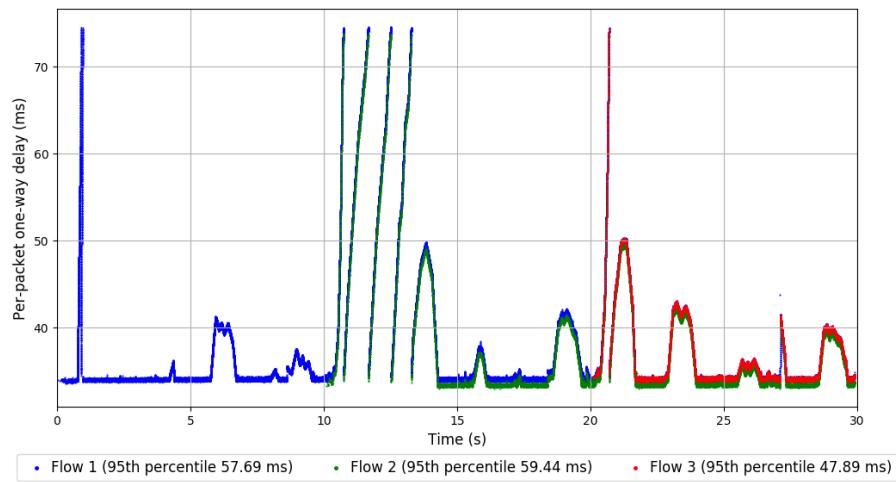
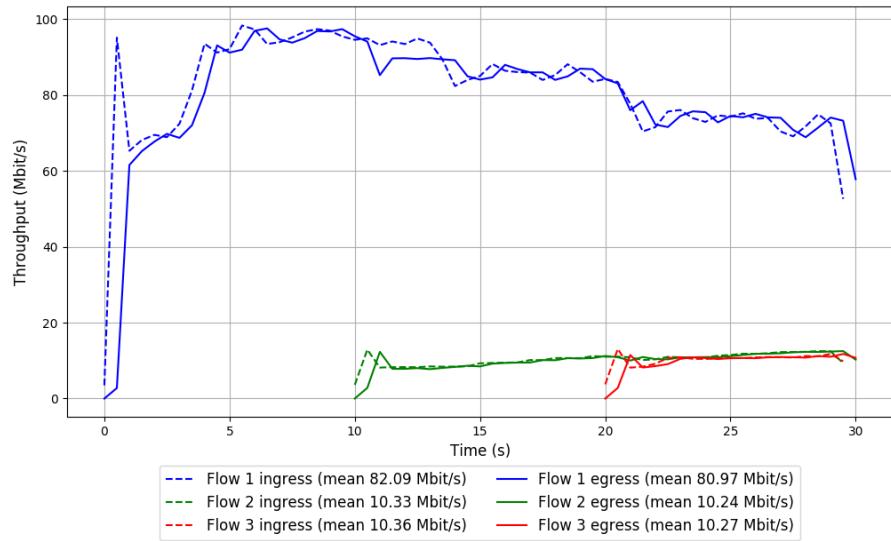


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-12-11 08:32:32
End at: 2019-12-11 08:33:02
Local clock offset: 1.6 ms
Remote clock offset: -7.356 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 57.334 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 57.691 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 59.444 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 47.893 ms
Loss rate: 0.88%
```

Run 5: Report of PCC-Allegro — Data Link

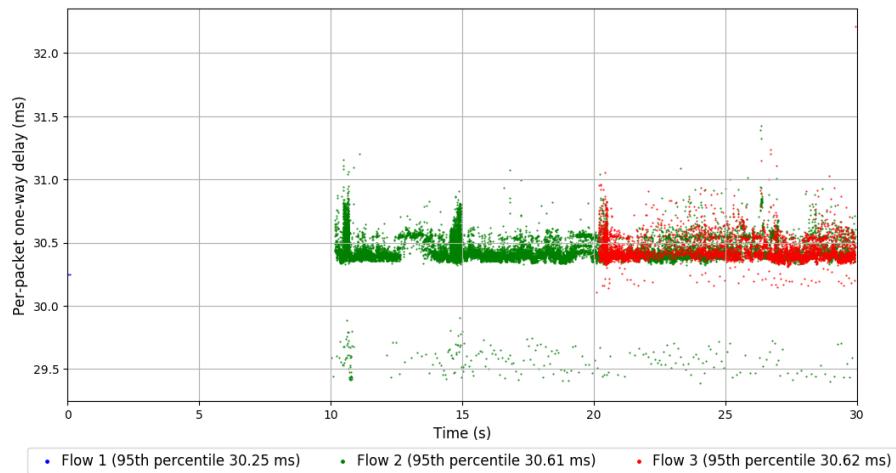
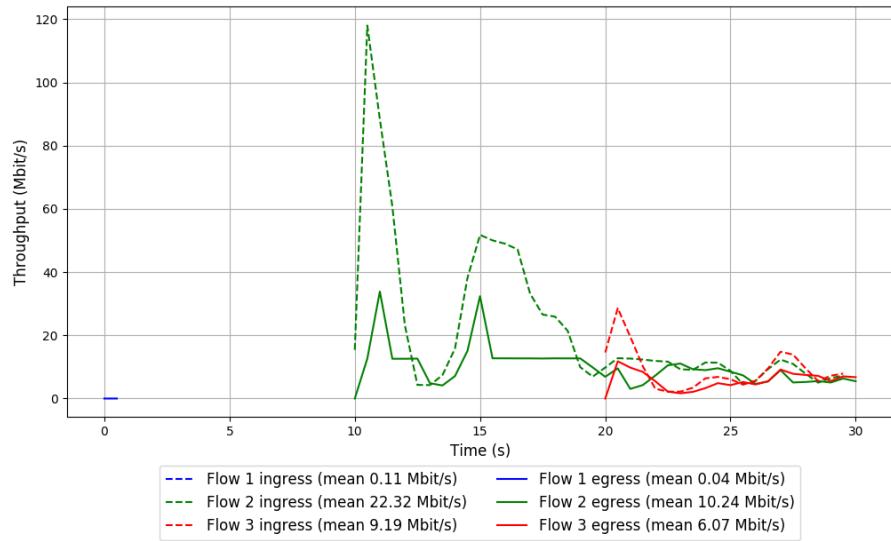


Run 1: Statistics of PCC-Expr

```
Start at: 2019-12-11 06:48:36
End at: 2019-12-11 06:49:06
Local clock offset: 5.213 ms
Remote clock offset: -6.17 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 30.611 ms
Loss rate: 50.70%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 30.251 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 30.608 ms
Loss rate: 54.12%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 33.95%
```

Run 1: Report of PCC-Expr — Data Link

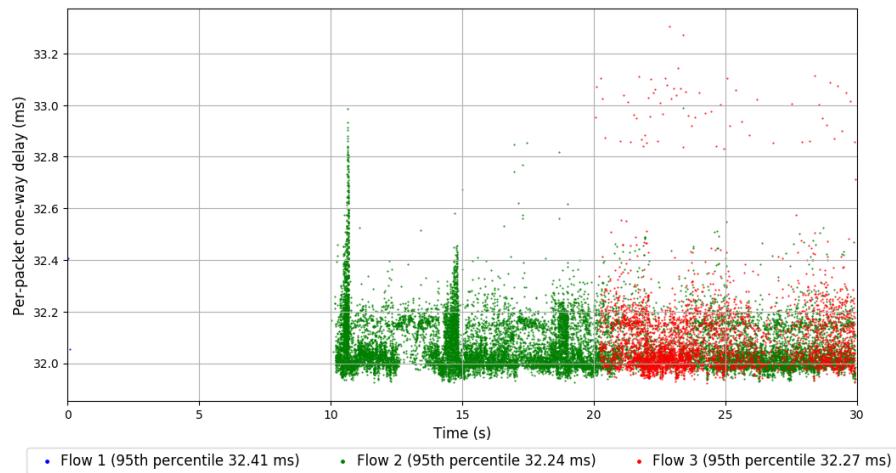
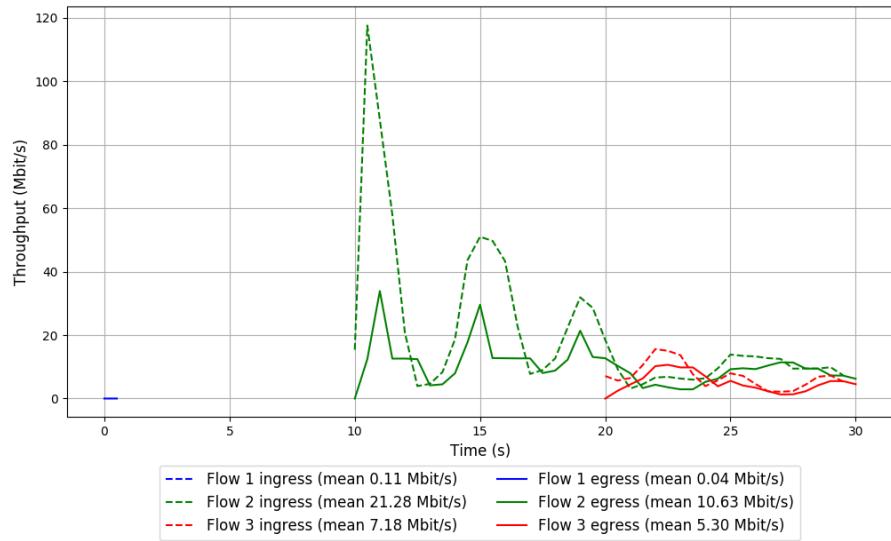


Run 2: Statistics of PCC-Expr

```
Start at: 2019-12-11 07:18:37
End at: 2019-12-11 07:19:07
Local clock offset: 1.537 ms
Remote clock offset: -5.541 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 32.249 ms
Loss rate: 46.64%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 32.406 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 32.244 ms
Loss rate: 50.06%
-- Flow 3:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 32.269 ms
Loss rate: 26.22%
```

Run 2: Report of PCC-Expr — Data Link

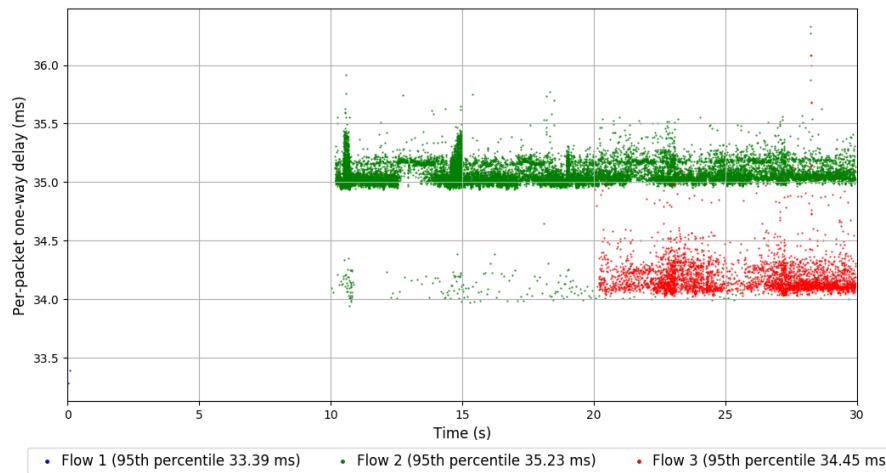
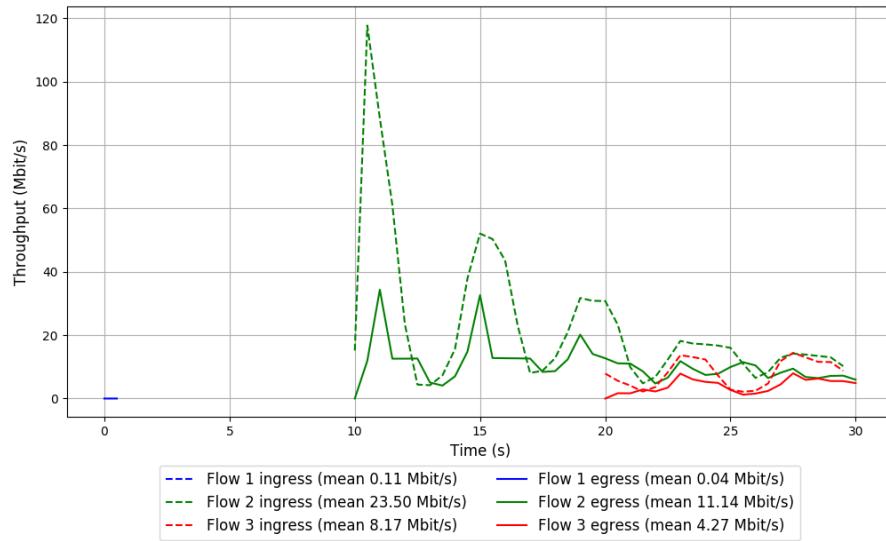


Run 3: Statistics of PCC-Expr

```
Start at: 2019-12-11 07:50:13
End at: 2019-12-11 07:50:43
Local clock offset: 2.976 ms
Remote clock offset: -4.328 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 35.219 ms
Loss rate: 51.88%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 33.390 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 35.230 ms
Loss rate: 52.61%
-- Flow 3:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 34.455 ms
Loss rate: 47.68%
```

Run 3: Report of PCC-Expr — Data Link

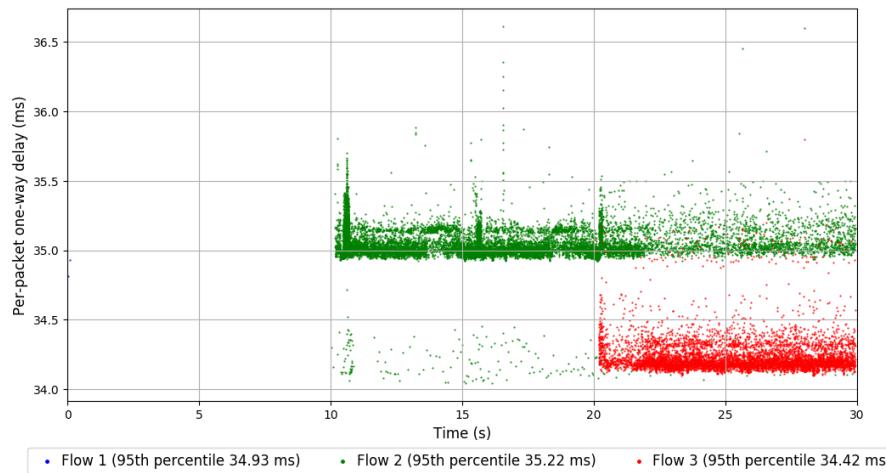
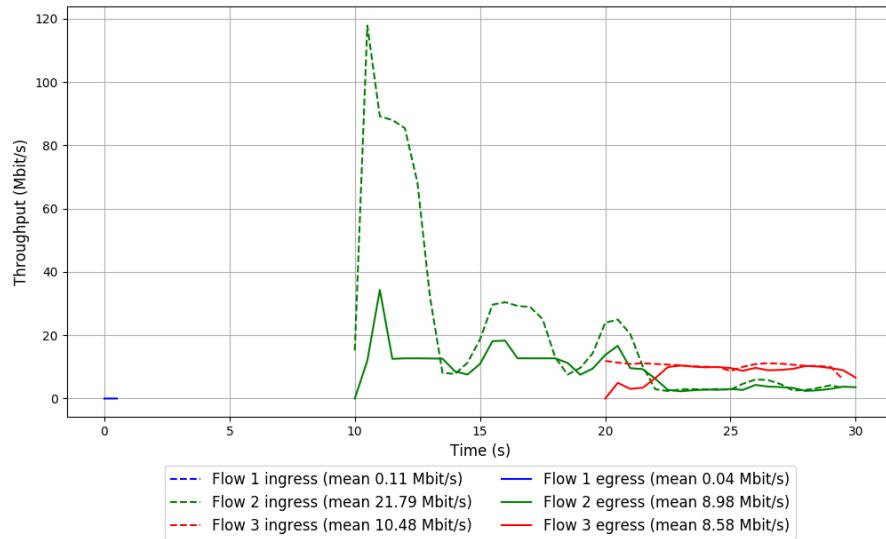


Run 4: Statistics of PCC-Expr

```
Start at: 2019-12-11 08:19:51
End at: 2019-12-11 08:20:21
Local clock offset: 0.722 ms
Remote clock offset: -7.355 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 35.188 ms
Loss rate: 50.96%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 34.930 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 35.219 ms
Loss rate: 58.79%
-- Flow 3:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 34.425 ms
Loss rate: 18.15%
```

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

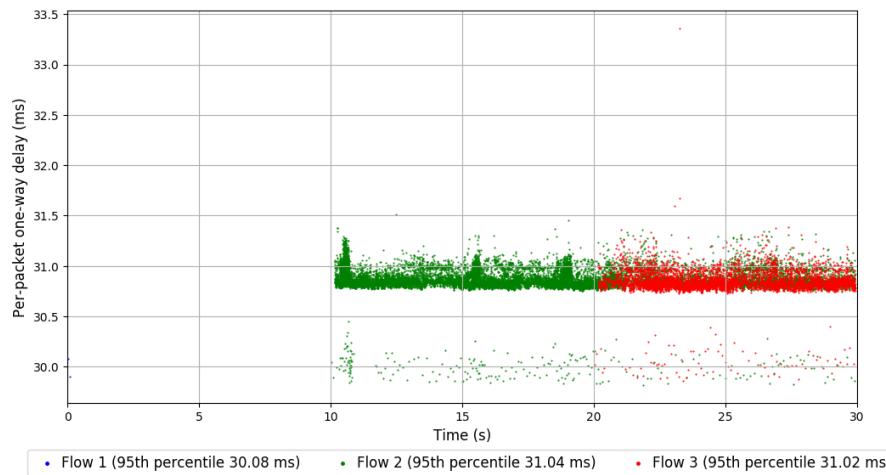
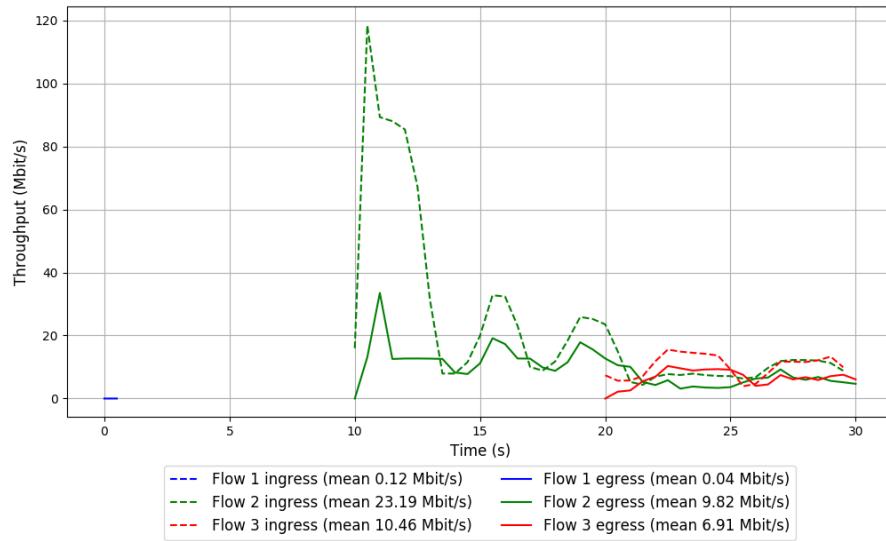


Run 5: Statistics of PCC-Expr

```
Start at: 2019-12-11 08:49:21
End at: 2019-12-11 08:49:51
Local clock offset: 5.644 ms
Remote clock offset: -5.122 ms

# Below is generated by plot.py at 2019-12-11 09:14:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 31.032 ms
Loss rate: 53.30%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 30.078 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 31.037 ms
Loss rate: 57.64%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 33.91%
```

Run 5: Report of PCC-Expr — Data Link

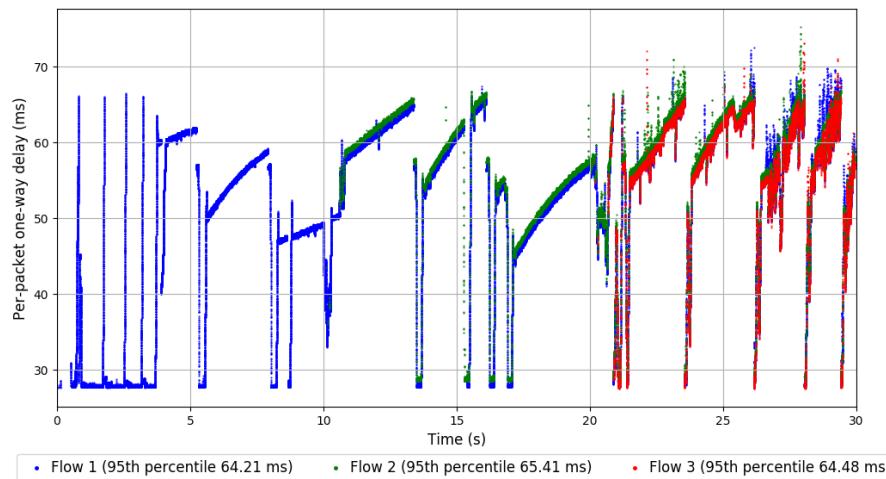
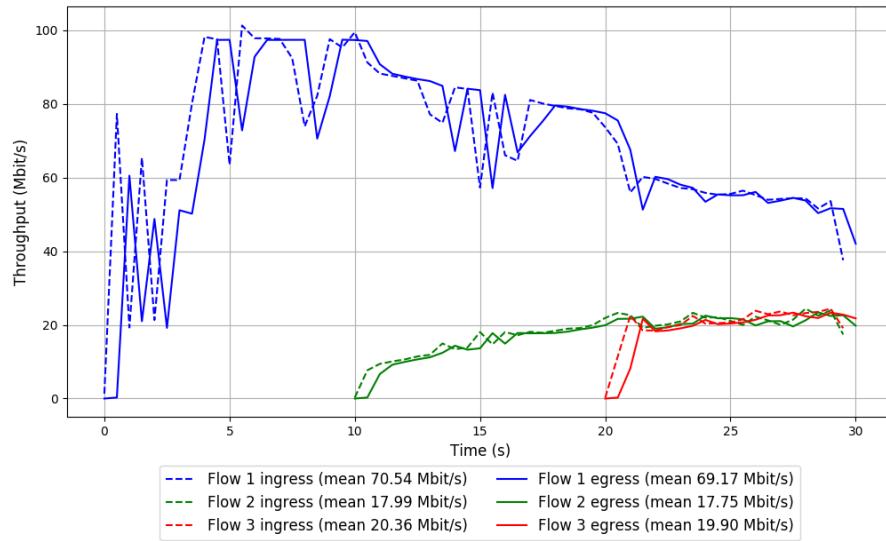


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-12-11 06:51:01
End at: 2019-12-11 06:51:31
Local clock offset: 5.941 ms
Remote clock offset: -6.978 ms

# Below is generated by plot.py at 2019-12-11 09:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 64.411 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 64.209 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 65.412 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 19.90 Mbit/s
95th percentile per-packet one-way delay: 64.484 ms
Loss rate: 2.26%
```

Run 1: Report of QUIC Cubic — Data Link

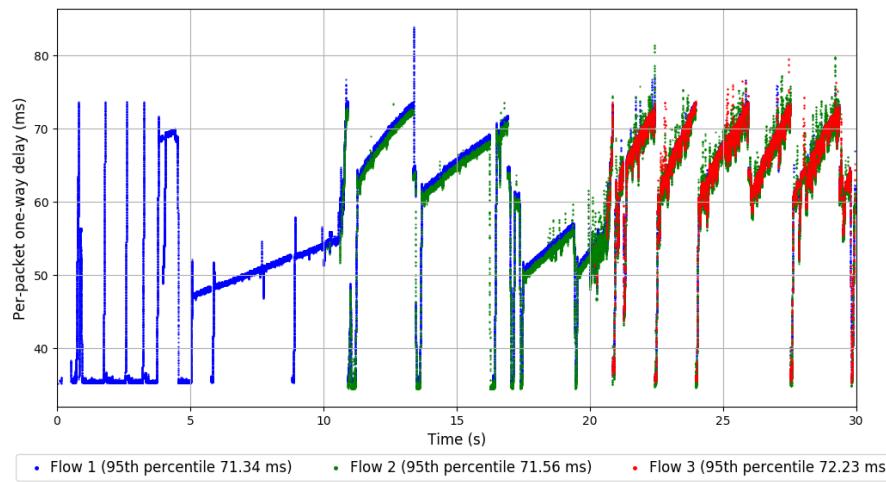
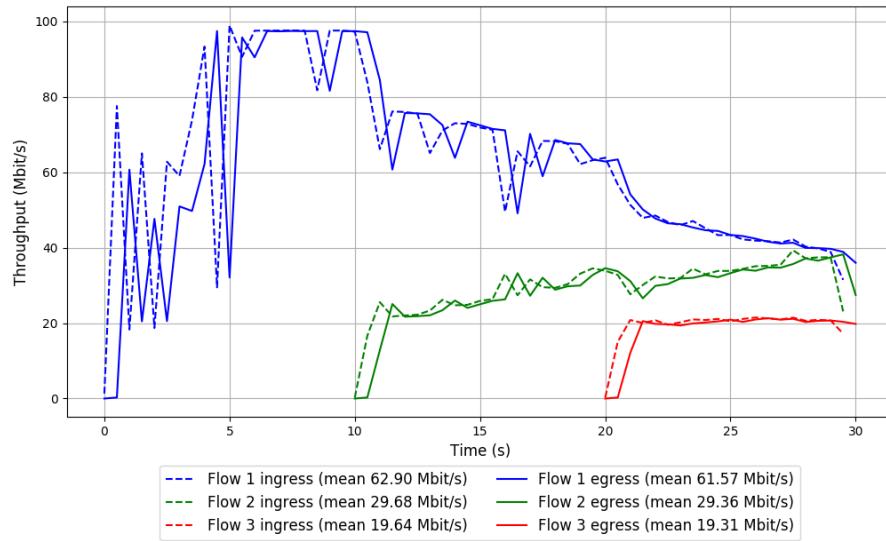


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-12-11 07:21:14
End at: 2019-12-11 07:21:44
Local clock offset: 0.487 ms
Remote clock offset: -3.17 ms

# Below is generated by plot.py at 2019-12-11 09:14:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 71.527 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 71.342 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 71.556 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 72.229 ms
Loss rate: 1.61%
```

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

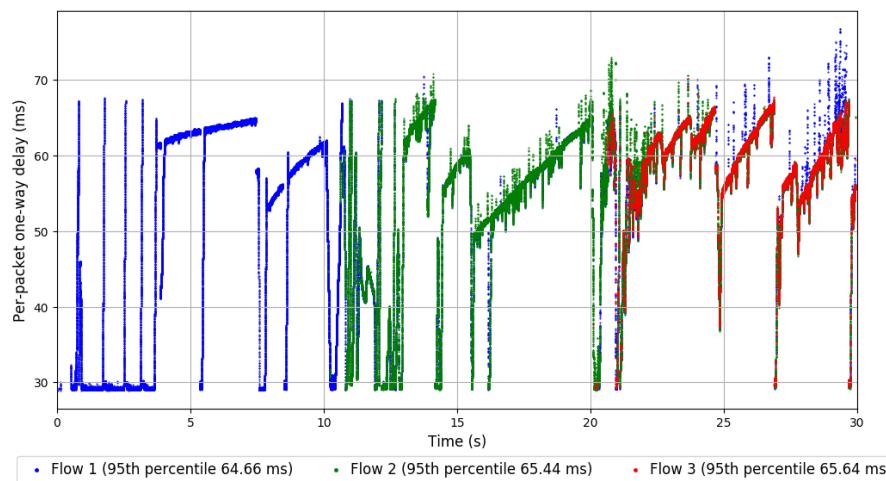
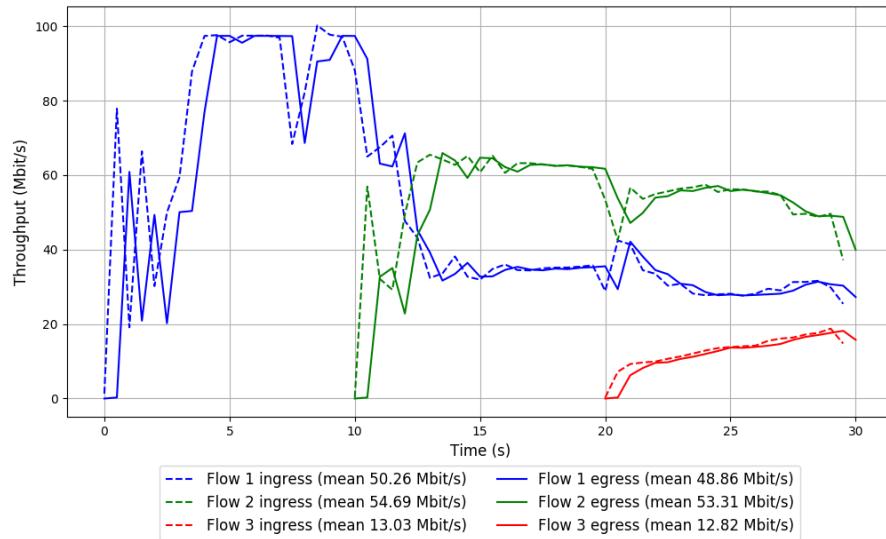


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-12-11 07:52:41
End at: 2019-12-11 07:53:11
Local clock offset: 6.298 ms
Remote clock offset: -6.914 ms

# Below is generated by plot.py at 2019-12-11 09:14:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 64.868 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 64.660 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 65.441 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 1.43%
```

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

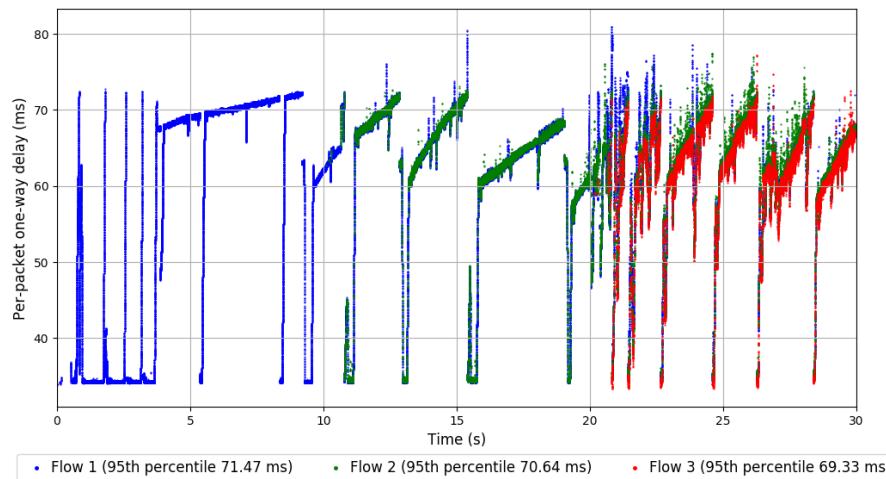
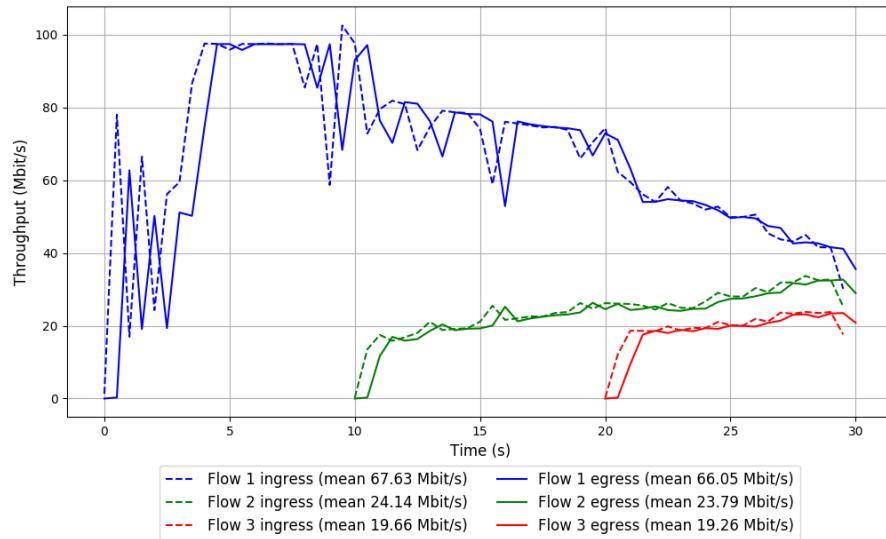


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-12-11 08:22:21
End at: 2019-12-11 08:22:51
Local clock offset: 1.315 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2019-12-11 09:14:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 71.317 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 71.473 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 70.638 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 69.325 ms
Loss rate: 1.95%
```

Run 4: Report of QUIC Cubic — Data Link

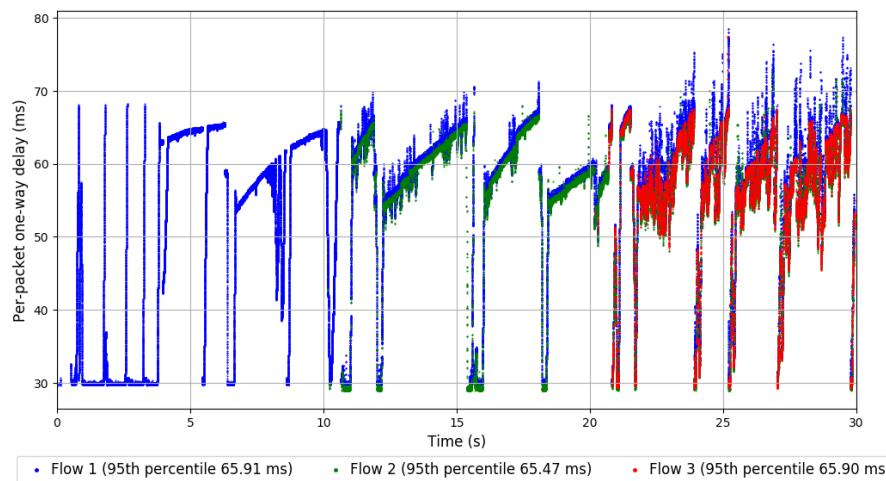
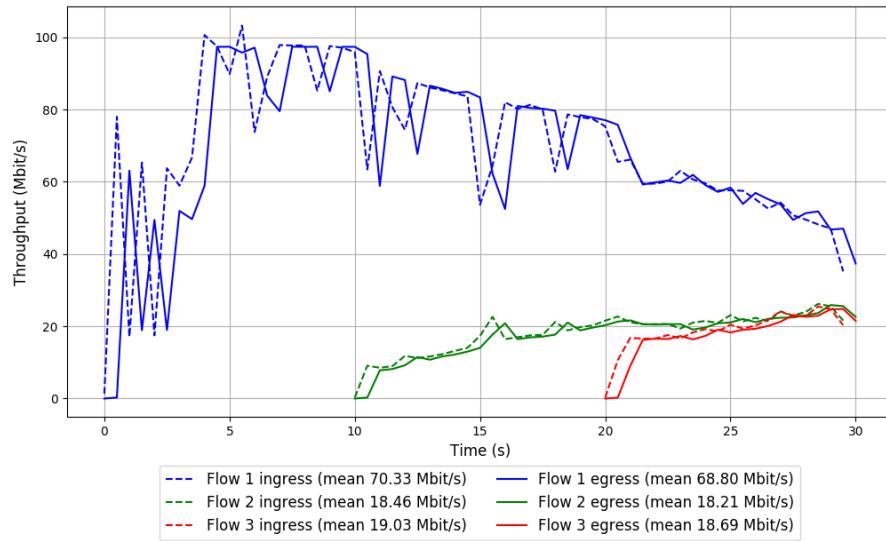


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-12-11 08:51:45
End at: 2019-12-11 08:52:15
Local clock offset: 4.777 ms
Remote clock offset: -6.461 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 65.853 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 68.80 Mbit/s
95th percentile per-packet one-way delay: 65.912 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 65.470 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 65.896 ms
Loss rate: 1.82%
```

Run 5: Report of QUIC Cubic — Data Link

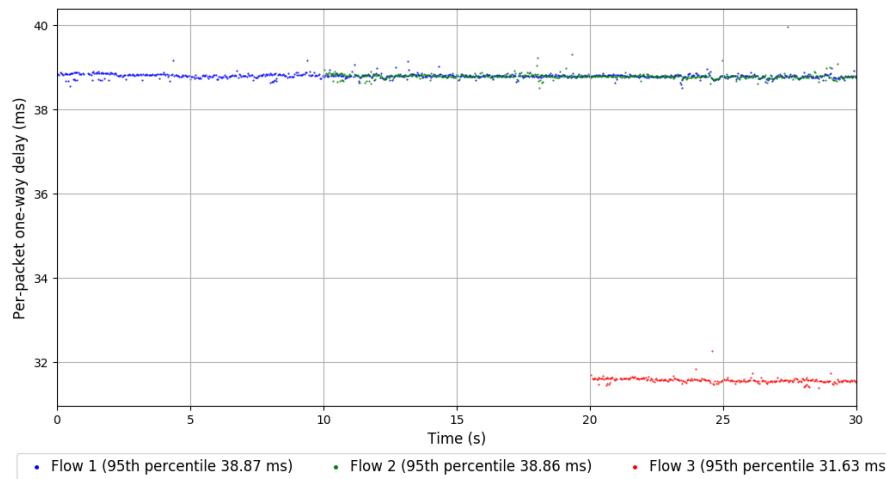
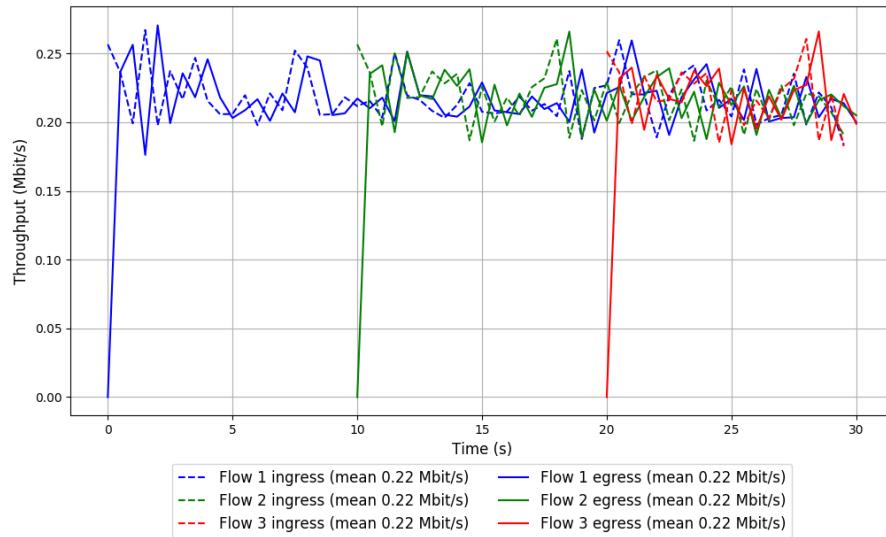


Run 1: Statistics of SCReAM

```
Start at: 2019-12-11 06:40:43
End at: 2019-12-11 06:41:13
Local clock offset: 6.513 ms
Remote clock offset: -4.403 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 38.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.633 ms
Loss rate: 0.00%
```

## Run 1: Report of SCReAM — Data Link

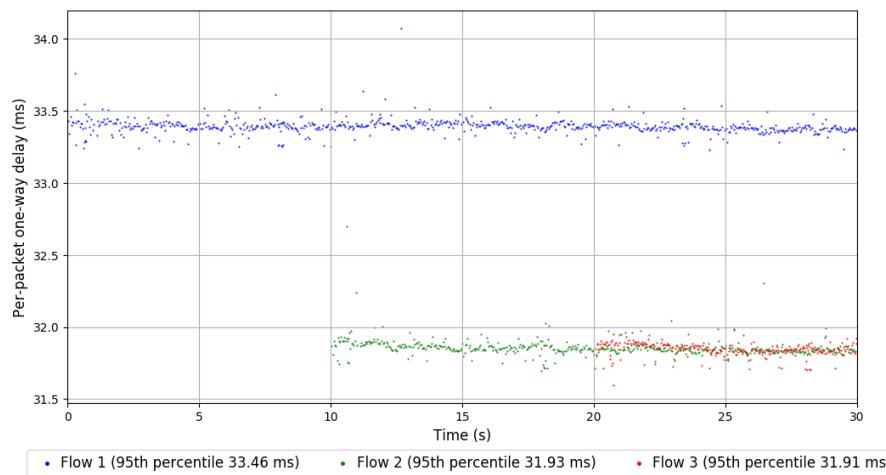
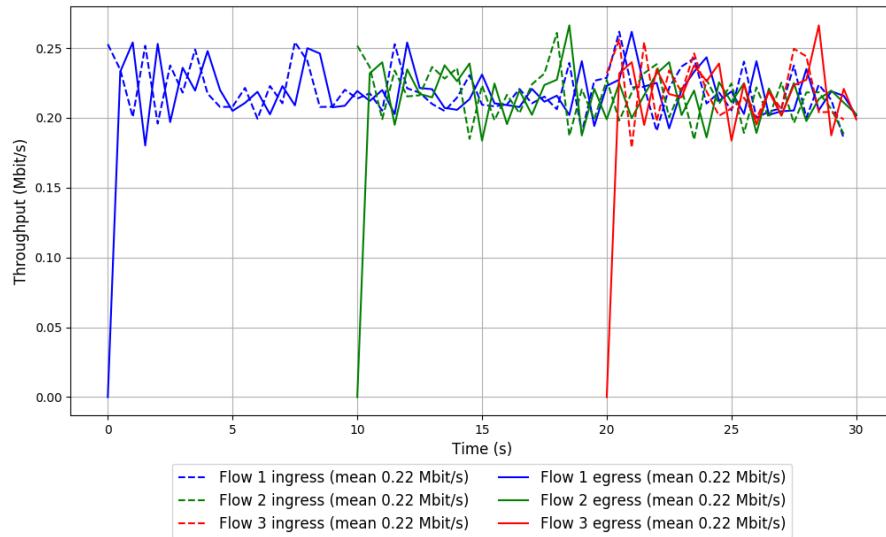


Run 2: Statistics of SCReAM

```
Start at: 2019-12-11 07:11:06
End at: 2019-12-11 07:11:36
Local clock offset: 1.245 ms
Remote clock offset: -5.72 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 33.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

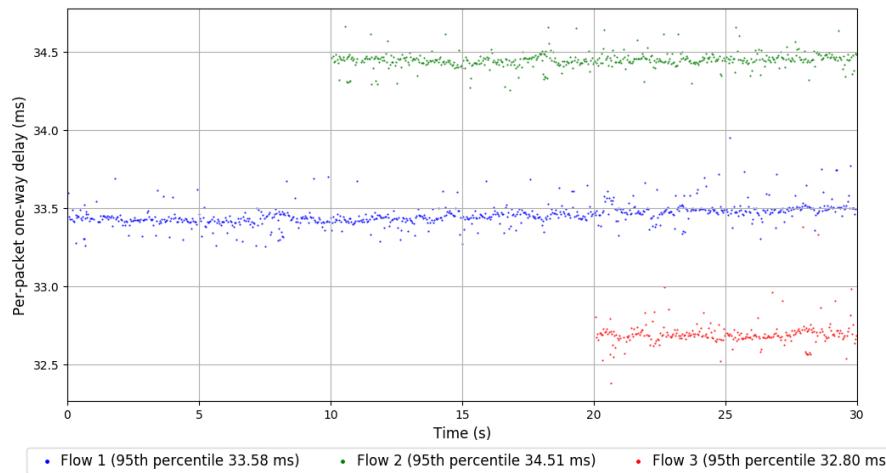
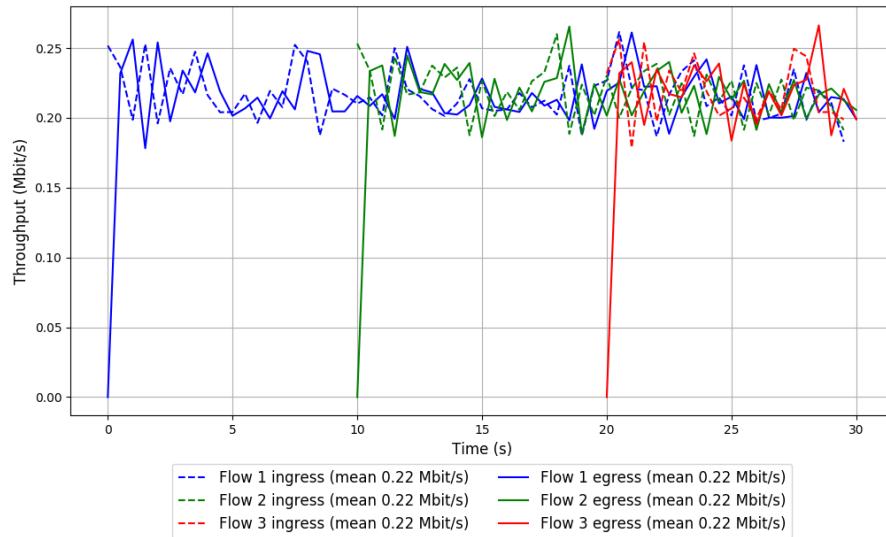


Run 3: Statistics of SCReAM

```
Start at: 2019-12-11 07:42:33
End at: 2019-12-11 07:43:03
Local clock offset: 0.813 ms
Remote clock offset: -6.186 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 34.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.511 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.805 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

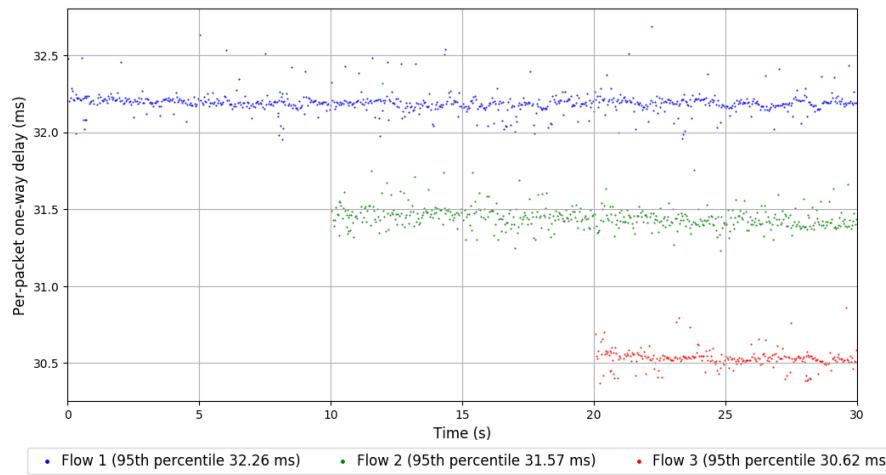
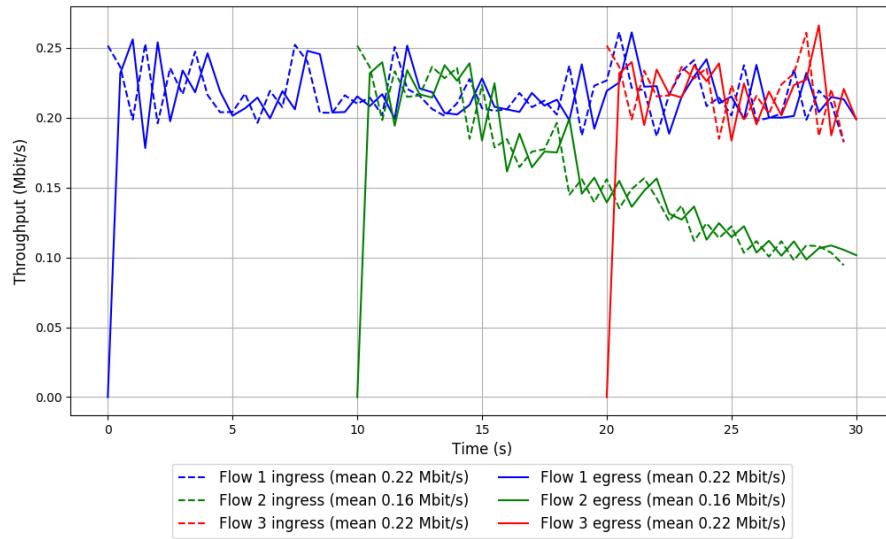


Run 4: Statistics of SCReAM

```
Start at: 2019-12-11 08:12:36
End at: 2019-12-11 08:13:06
Local clock offset: 5.769 ms
Remote clock offset: -5.305 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 32.234 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.618 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

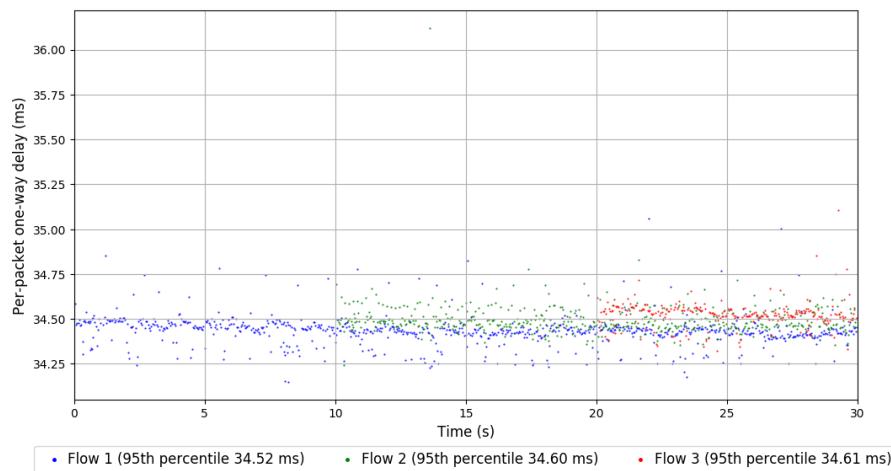
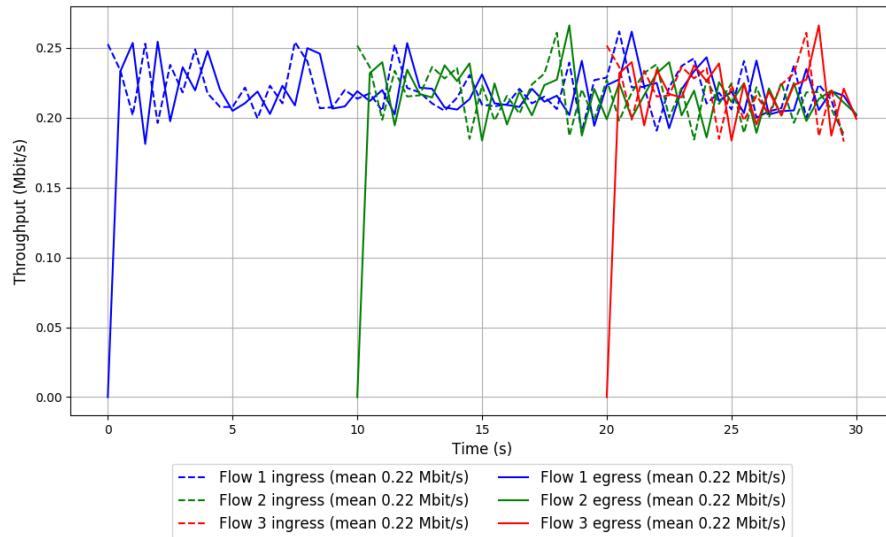


Run 5: Statistics of SCReAM

```
Start at: 2019-12-11 08:42:14
End at: 2019-12-11 08:42:44
Local clock offset: 0.883 ms
Remote clock offset: -6.9 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 34.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.611 ms
Loss rate: 0.00%
```

### Run 5: Report of SCReAM — Data Link

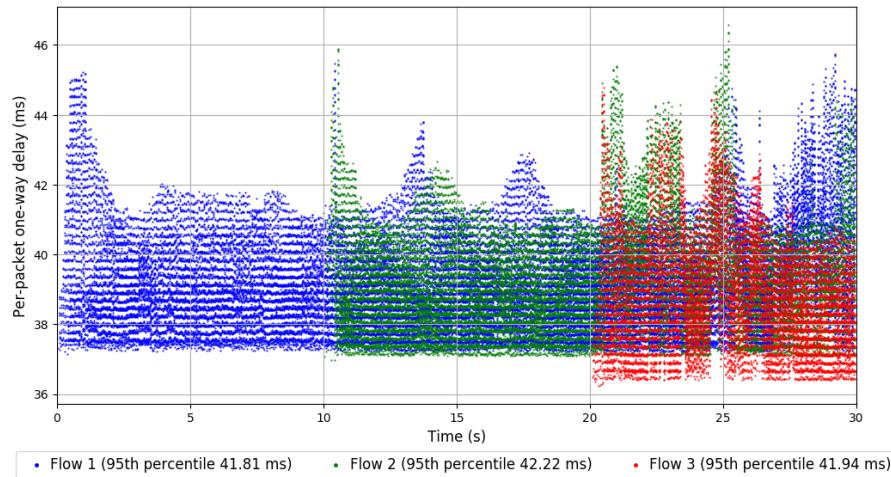
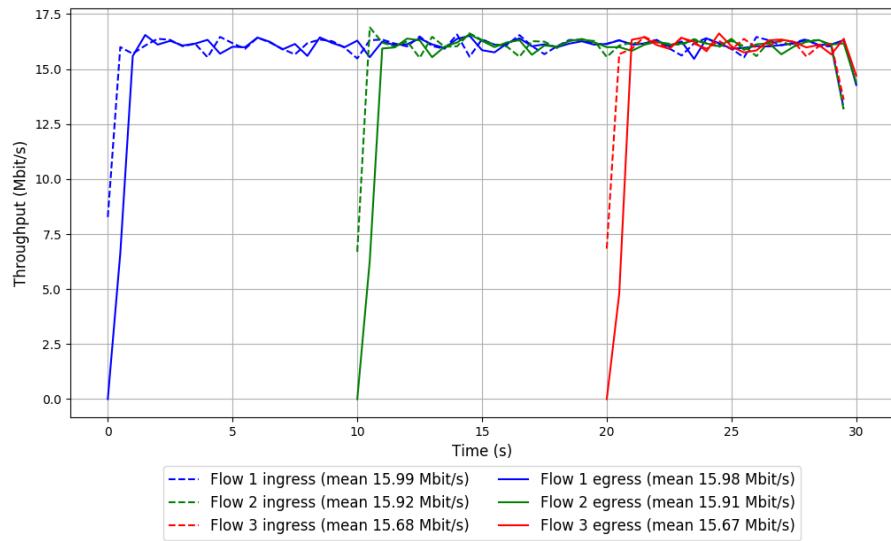


Run 1: Statistics of Sprout

```
Start at: 2019-12-11 06:57:26
End at: 2019-12-11 06:57:56
Local clock offset: -0.105 ms
Remote clock offset: -3.974 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 41.971 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 41.814 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 42.220 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 41.943 ms
Loss rate: 0.02%
```

## Run 1: Report of Sprout — Data Link

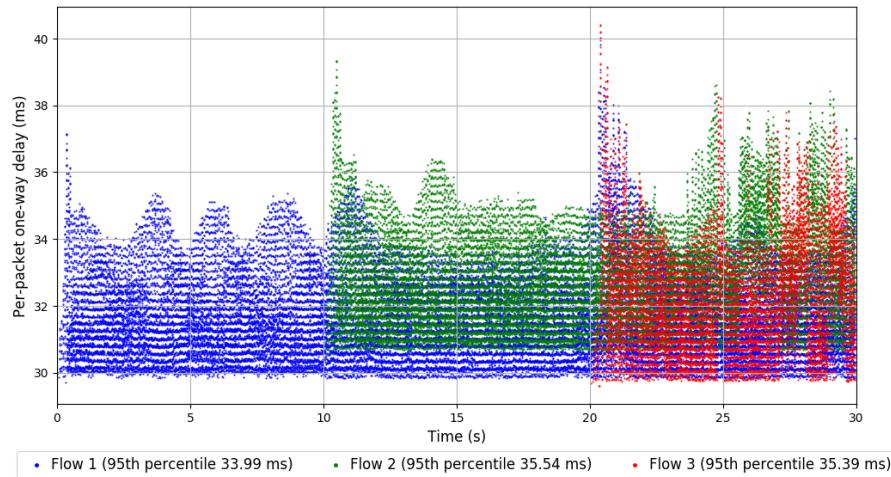
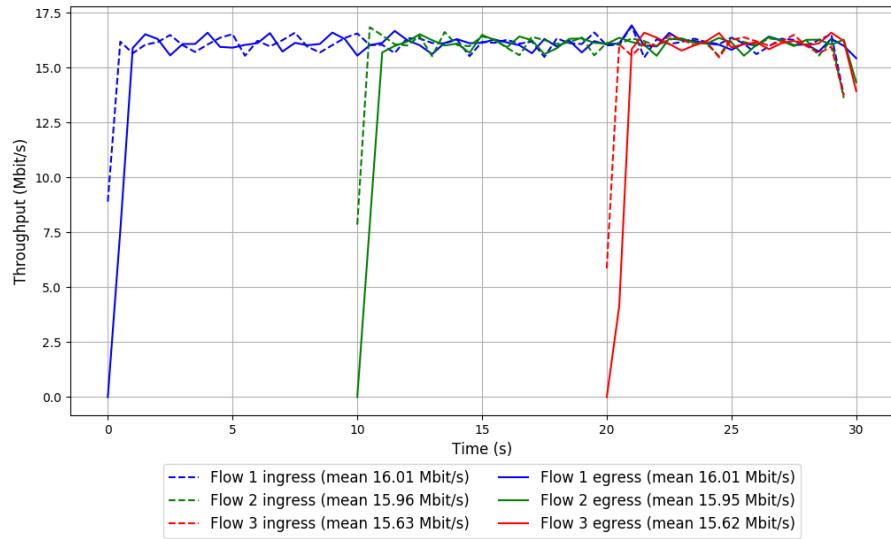


Run 2: Statistics of Sprout

```
Start at: 2019-12-11 07:28:23
End at: 2019-12-11 07:28:53
Local clock offset: 4.174 ms
Remote clock offset: -5.258 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 34.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 33.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 35.543 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 35.392 ms
Loss rate: 0.02%
```

## Run 2: Report of Sprout — Data Link

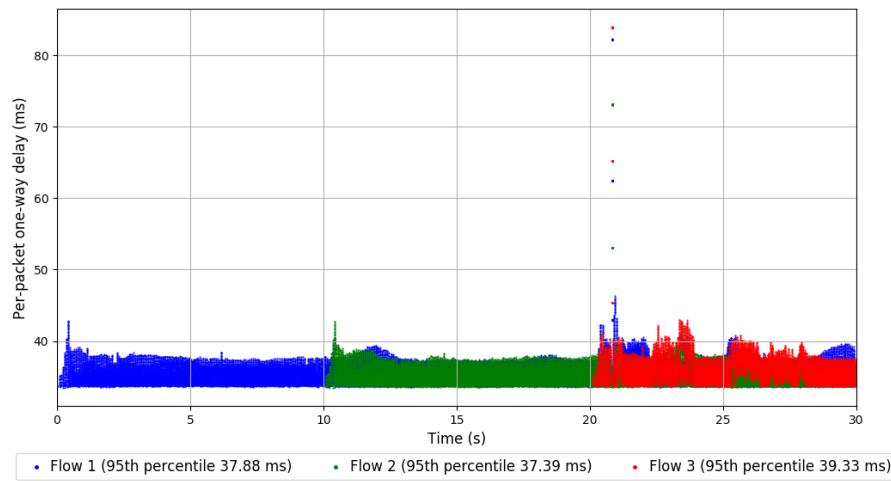
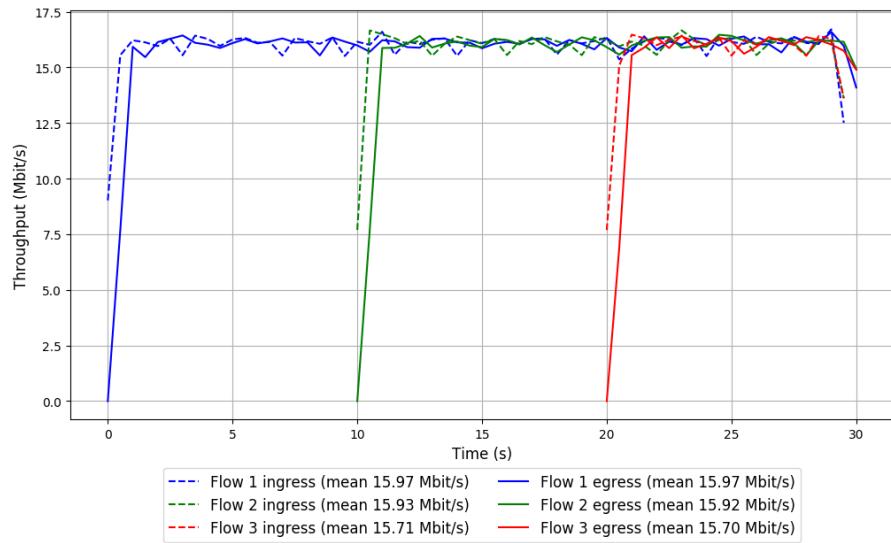


Run 3: Statistics of Sprout

```
Start at: 2019-12-11 07:59:10
End at: 2019-12-11 07:59:40
Local clock offset: 1.33 ms
Remote clock offset: -7.006 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 38.041 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 37.880 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 37.392 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 39.334 ms
Loss rate: 0.00%
```

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

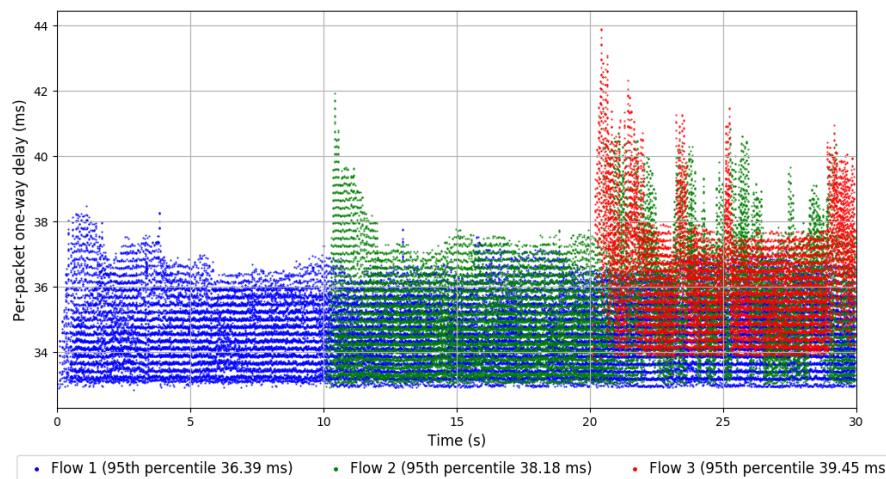
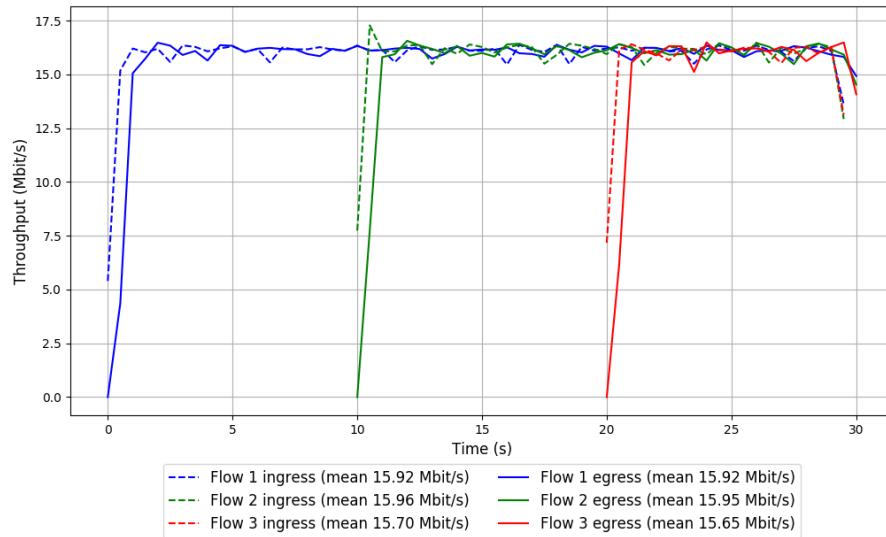


Run 4: Statistics of Sprout

```
Start at: 2019-12-11 08:28:58
End at: 2019-12-11 08:29:28
Local clock offset: 1.86 ms
Remote clock offset: -7.207 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 37.746 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 36.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 38.178 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 39.455 ms
Loss rate: 0.28%
```

## Run 4: Report of Sprout — Data Link

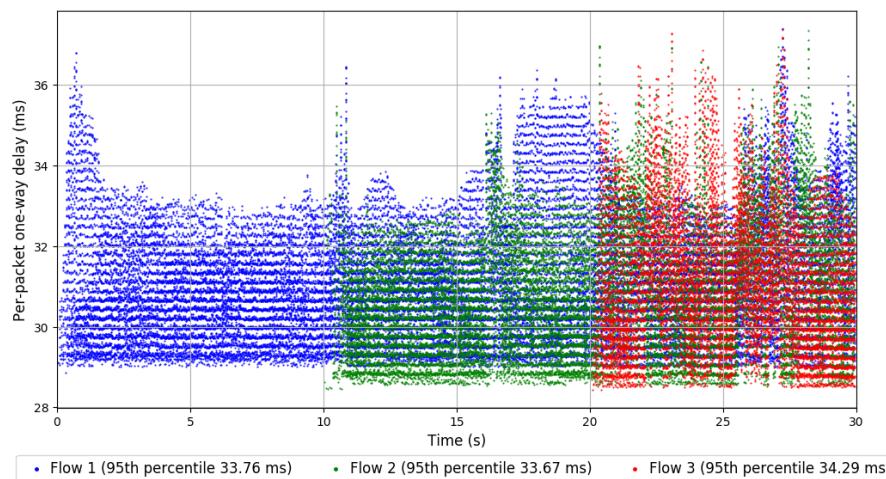
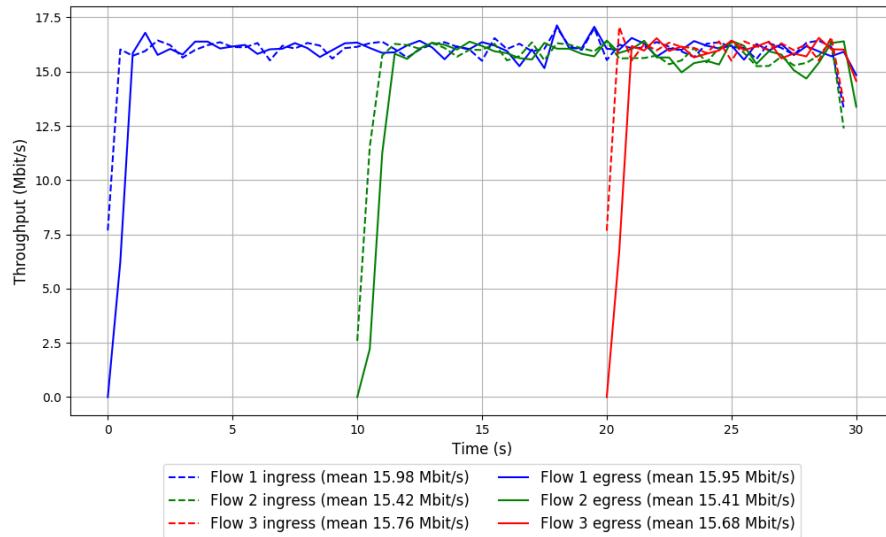


Run 5: Statistics of Sprout

```
Start at: 2019-12-11 08:57:50
End at: 2019-12-11 08:58:20
Local clock offset: 4.704 ms
Remote clock offset: -7.123 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 33.846 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 33.762 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 15.41 Mbit/s
95th percentile per-packet one-way delay: 33.674 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 34.287 ms
Loss rate: 0.44%
```

## Run 5: Report of Sprout — Data Link

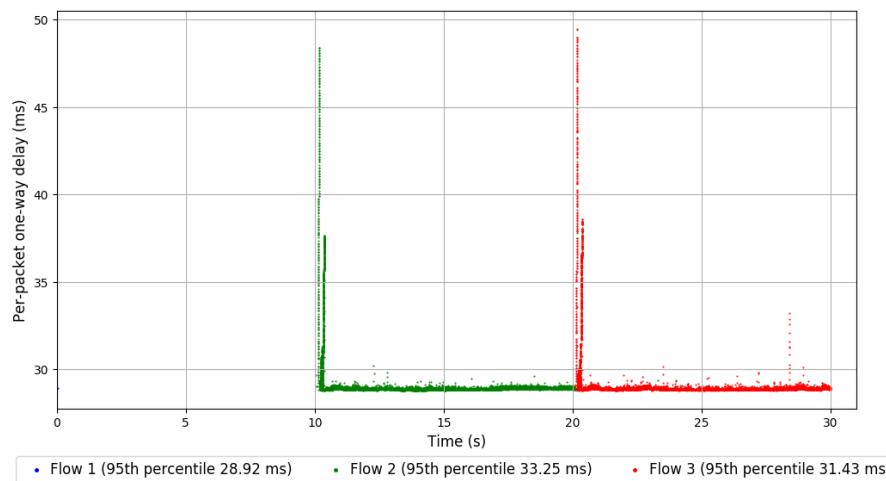
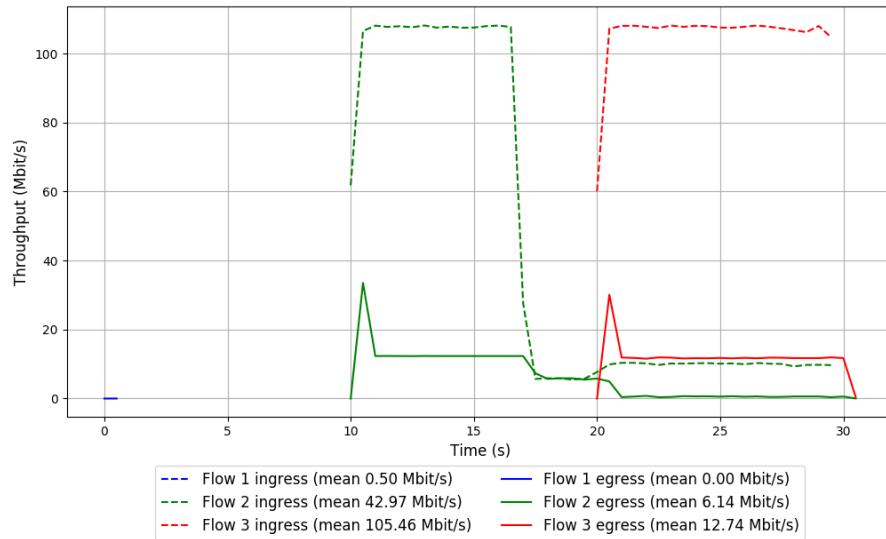


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-12-11 06:37:10
End at: 2019-12-11 06:37:40
Local clock offset: 6.496 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2019-12-11 09:15:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 32.396 ms
Loss rate: 86.93%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 28.923 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 33.253 ms
Loss rate: 85.71%
-- Flow 3:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 31.431 ms
Loss rate: 87.92%
```

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

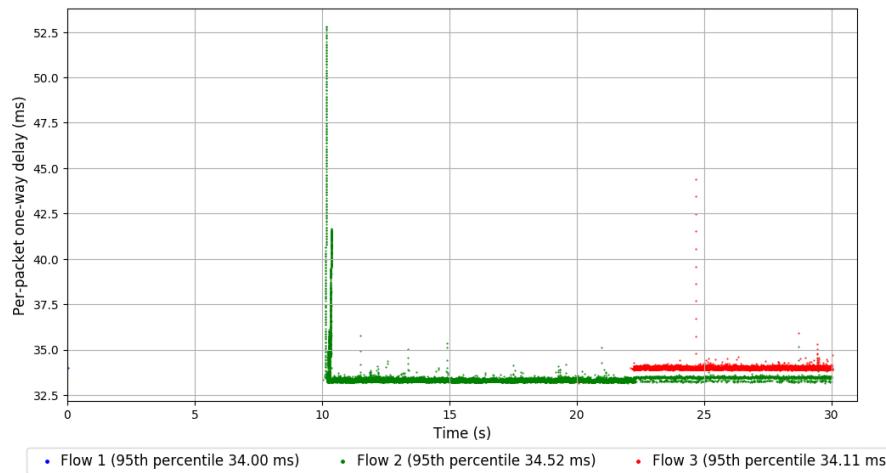
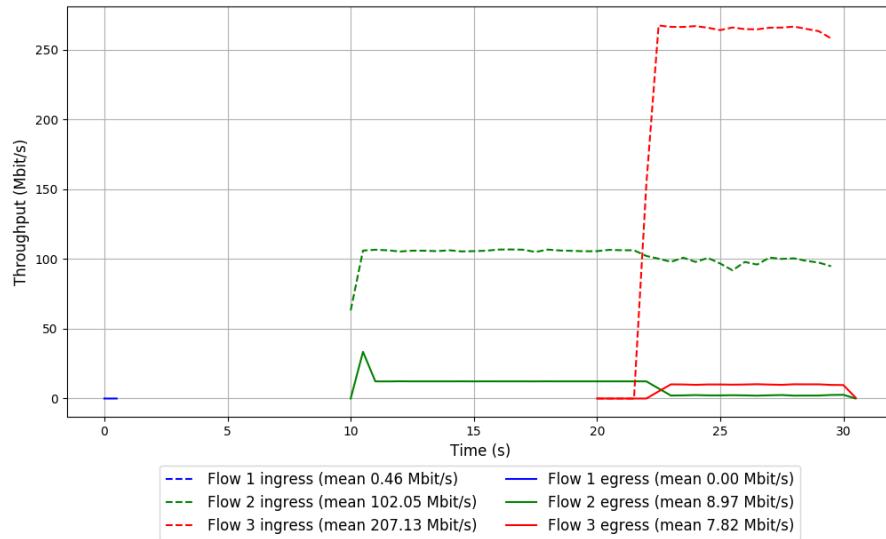


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-12-11 07:07:29
End at: 2019-12-11 07:07:59
Local clock offset: 2.428 ms
Remote clock offset: -4.102 ms

# Below is generated by plot.py at 2019-12-11 09:15:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 93.73%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.996 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 34.518 ms
Loss rate: 91.21%
-- Flow 3:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 34.110 ms
Loss rate: 96.22%
```

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

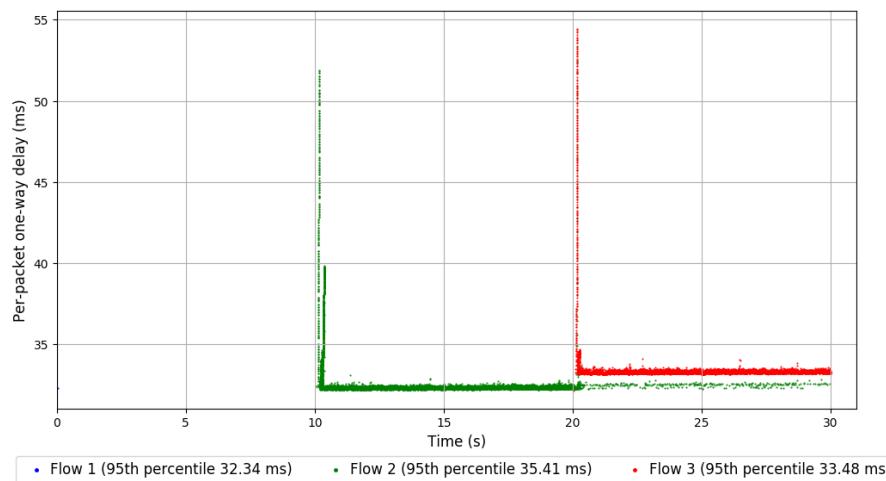
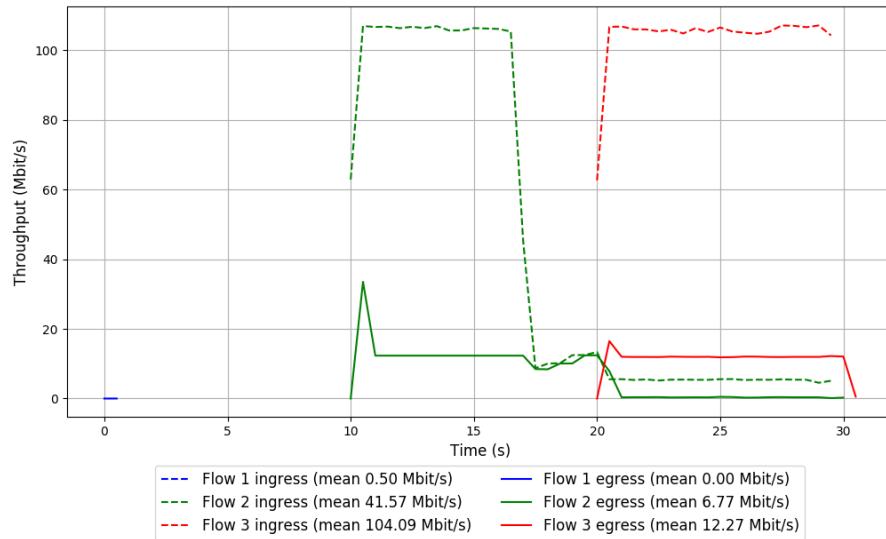


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-12-11 07:38:56
End at: 2019-12-11 07:39:26
Local clock offset: 3.831 ms
Remote clock offset: -3.587 ms

# Below is generated by plot.py at 2019-12-11 09:15:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 33.688 ms
Loss rate: 86.22%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.339 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 35.406 ms
Loss rate: 83.73%
-- Flow 3:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 33.482 ms
Loss rate: 88.22%
```

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

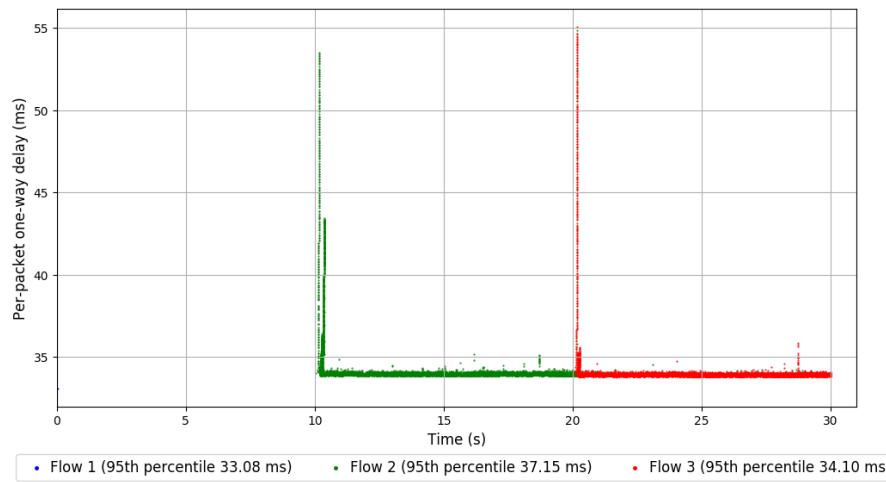
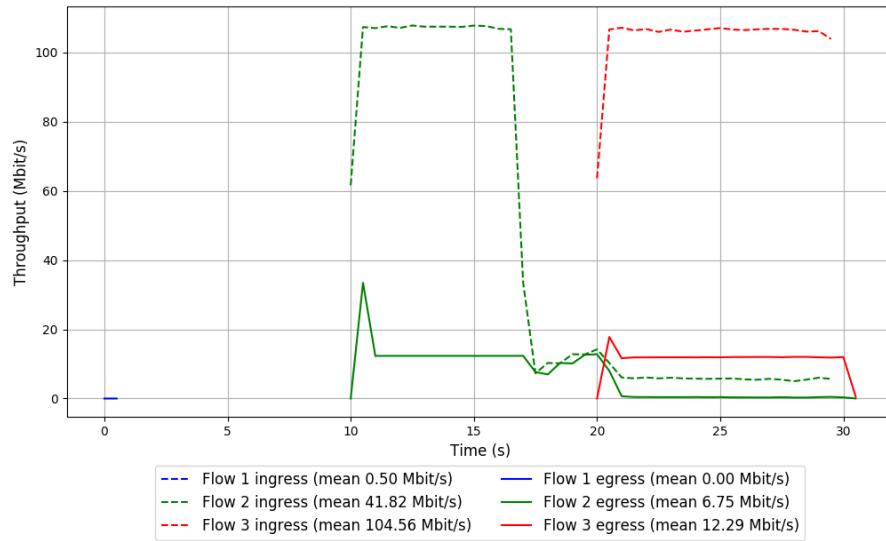


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-12-11 08:09:03
End at: 2019-12-11 08:09:33
Local clock offset: 1.713 ms
Remote clock offset: -6.842 ms

# Below is generated by plot.py at 2019-12-11 09:15:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 34.971 ms
Loss rate: 86.30%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.078 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 37.151 ms
Loss rate: 83.87%
-- Flow 3:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 34.102 ms
Loss rate: 88.25%
```

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

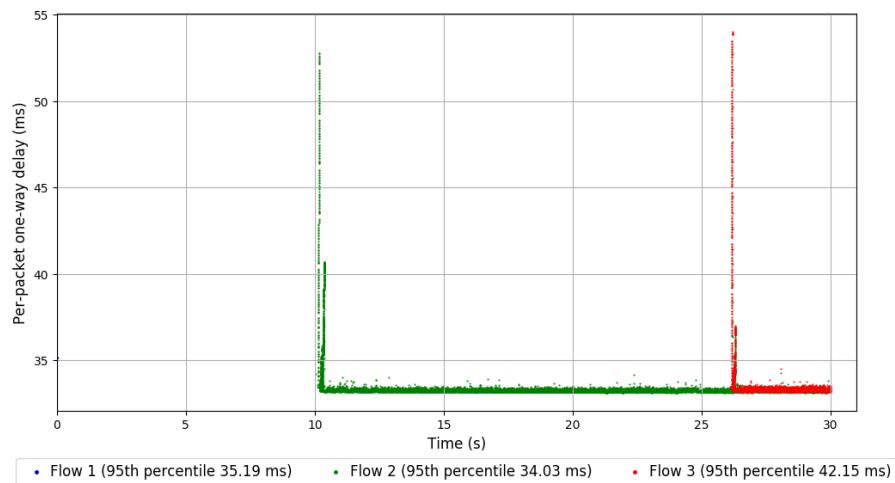
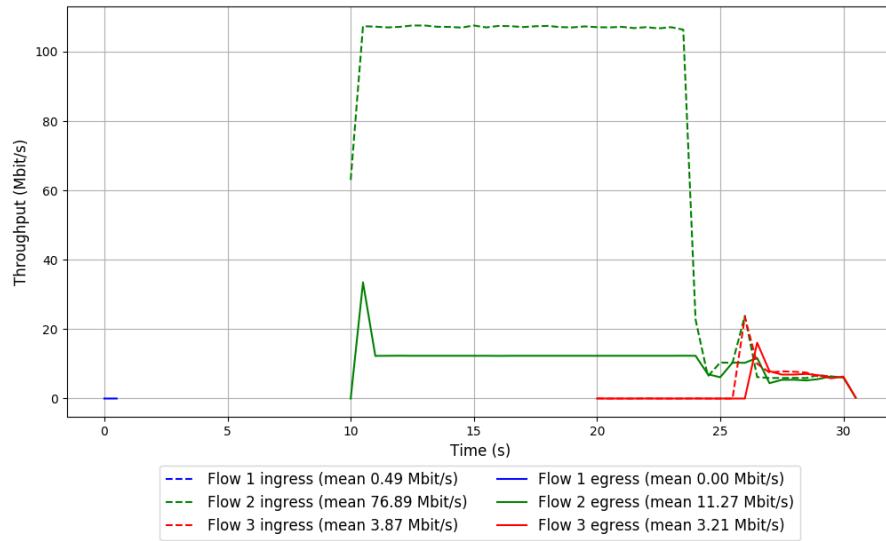


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-12-11 08:38:43
End at: 2019-12-11 08:39:13
Local clock offset: 2.011 ms
Remote clock offset: -6.669 ms

# Below is generated by plot.py at 2019-12-11 09:15:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 34.684 ms
Loss rate: 83.66%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 35.187 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 34.034 ms
Loss rate: 85.34%
-- Flow 3:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 42.152 ms
Loss rate: 16.92%
```

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

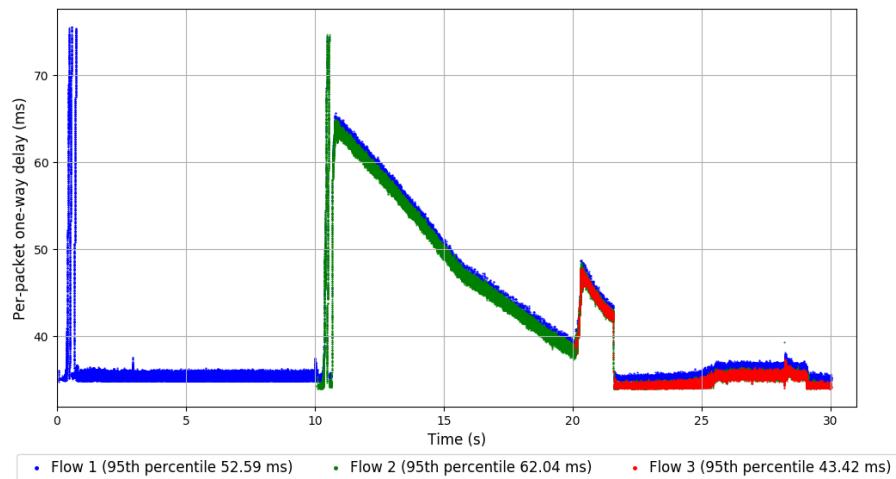
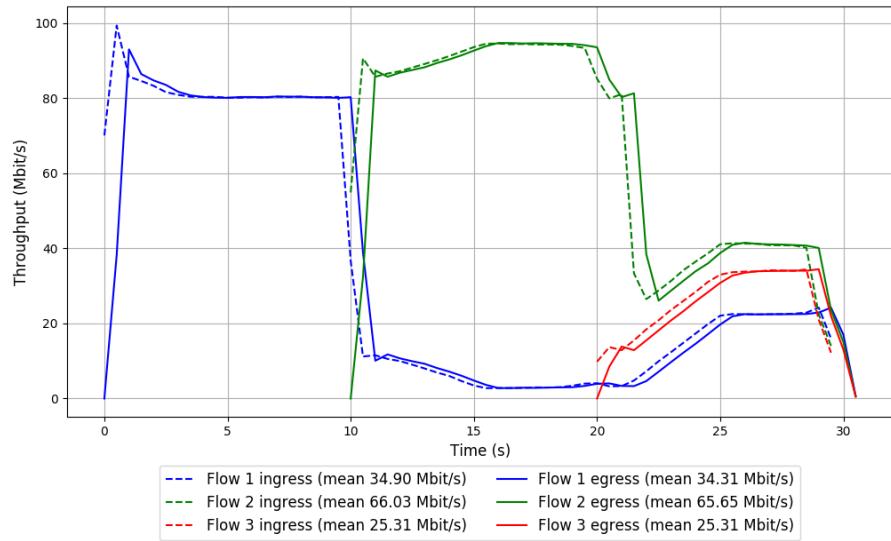


Run 1: Statistics of TCP Vegas

```
Start at: 2019-12-11 06:34:42
End at: 2019-12-11 06:35:12
Local clock offset: 0.923 ms
Remote clock offset: -5.922 ms

# Below is generated by plot.py at 2019-12-11 09:15:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 60.787 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 52.592 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 62.039 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 43.418 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

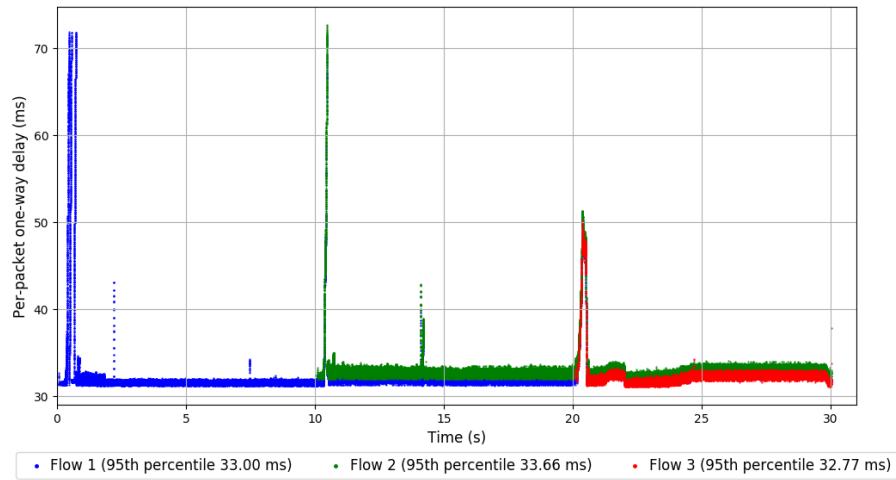
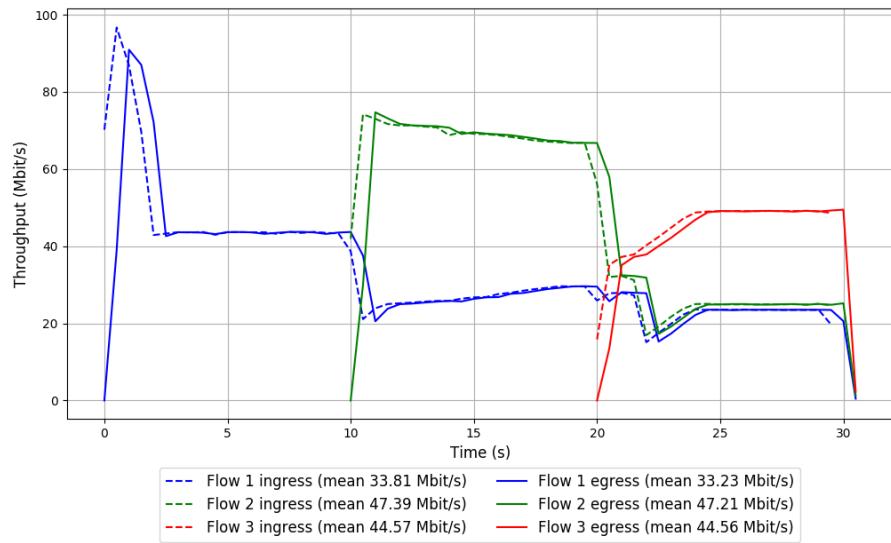


Run 2: Statistics of TCP Vegas

```
Start at: 2019-12-11 07:04:42
End at: 2019-12-11 07:05:12
Local clock offset: 2.603 ms
Remote clock offset: -5.99 ms

# Below is generated by plot.py at 2019-12-11 09:15:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 33.486 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 32.997 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 33.658 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 32.772 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Vegas — Data Link

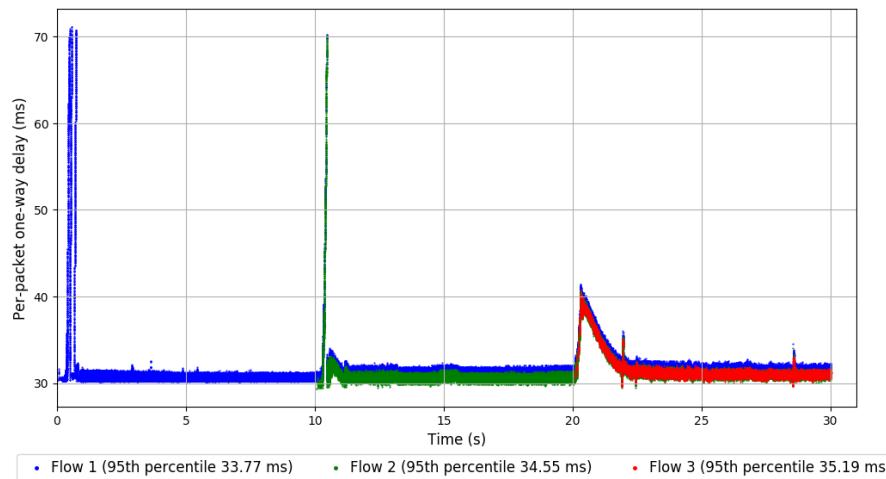
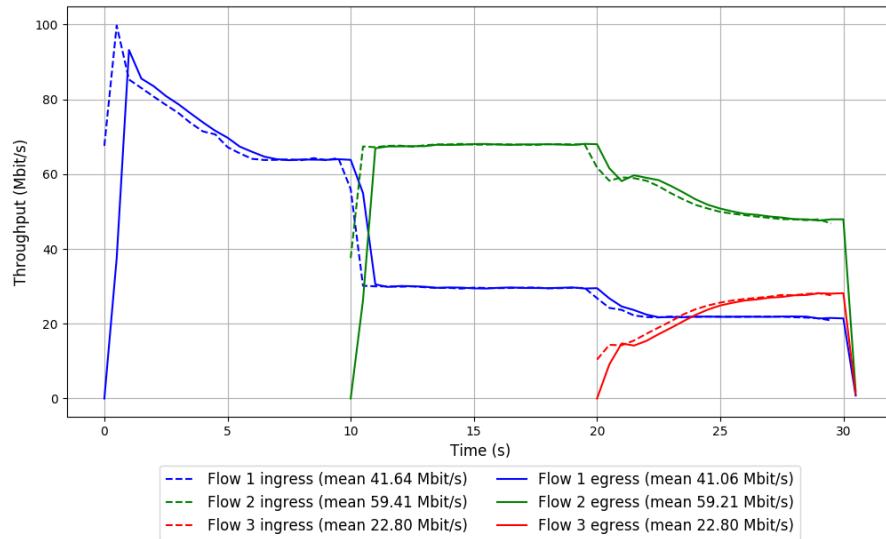


Run 3: Statistics of TCP Vegas

```
Start at: 2019-12-11 07:36:16
End at: 2019-12-11 07:36:46
Local clock offset: 4.413 ms
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2019-12-11 09:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 34.345 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 33.773 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 34.548 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 35.191 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

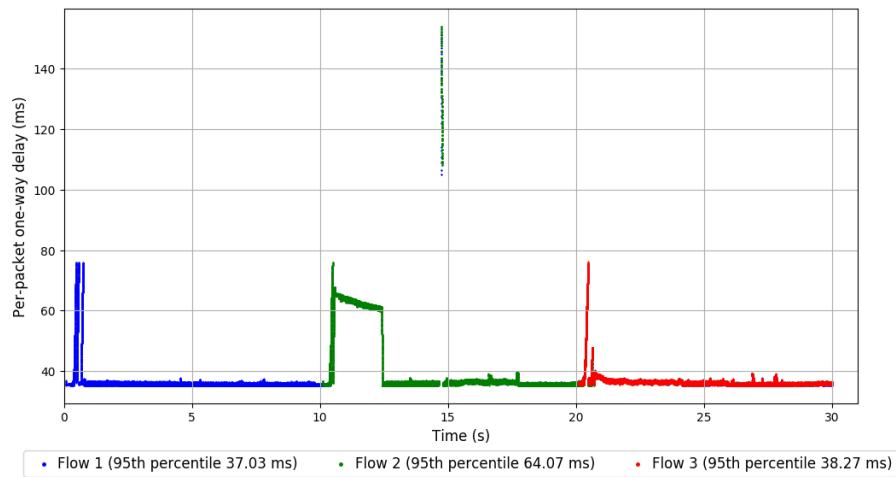
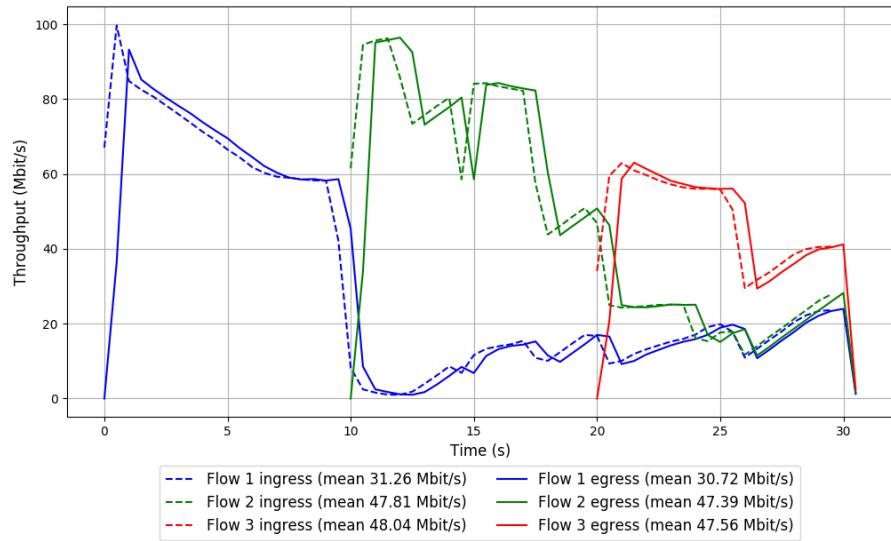


Run 4: Statistics of TCP Vegas

```
Start at: 2019-12-11 08:06:34
End at: 2019-12-11 08:07:04
Local clock offset: 1.06 ms
Remote clock offset: -6.742 ms

# Below is generated by plot.py at 2019-12-11 09:16:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 62.507 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 37.028 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 47.39 Mbit/s
95th percentile per-packet one-way delay: 64.068 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 38.269 ms
Loss rate: 1.00%
```

Run 4: Report of TCP Vegas — Data Link

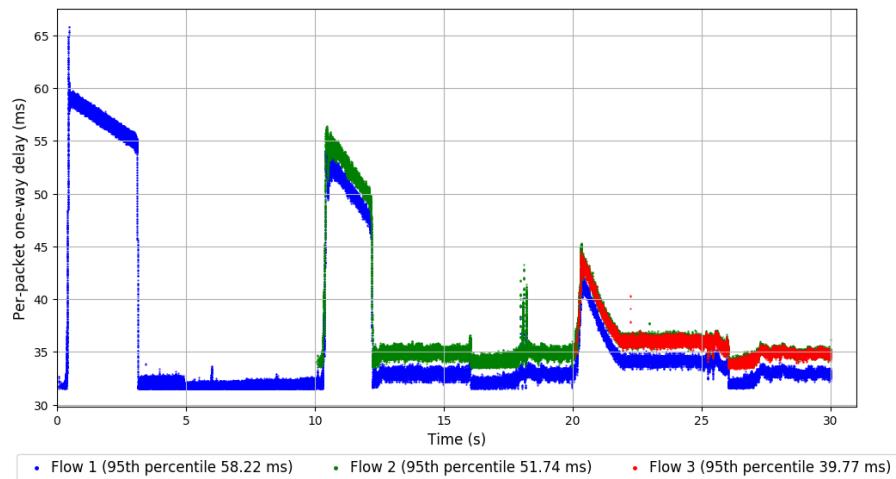
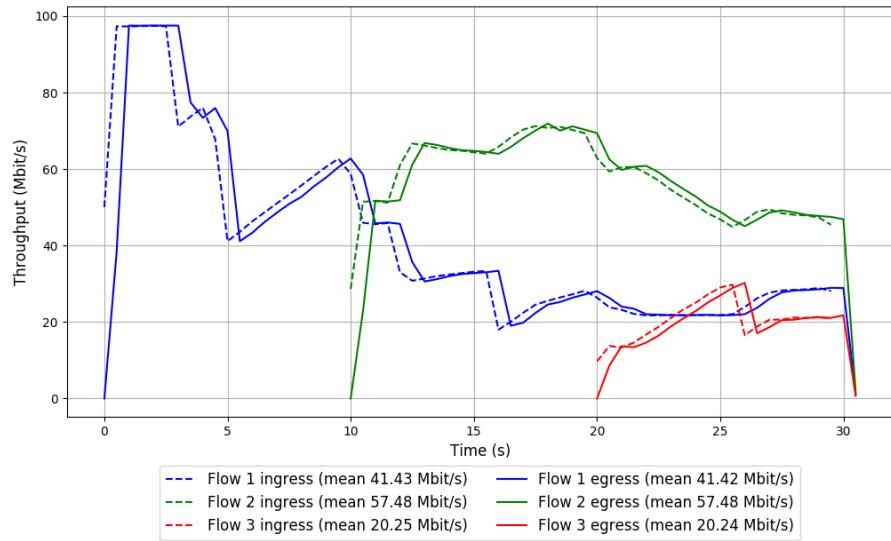


Run 5: Statistics of TCP Vegas

```
Start at: 2019-12-11 08:36:15
End at: 2019-12-11 08:36:45
Local clock offset: 3.556 ms
Remote clock offset: -6.911 ms

# Below is generated by plot.py at 2019-12-11 09:16:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 57.114 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 58.217 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 51.736 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 39.775 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Vegas — Data Link

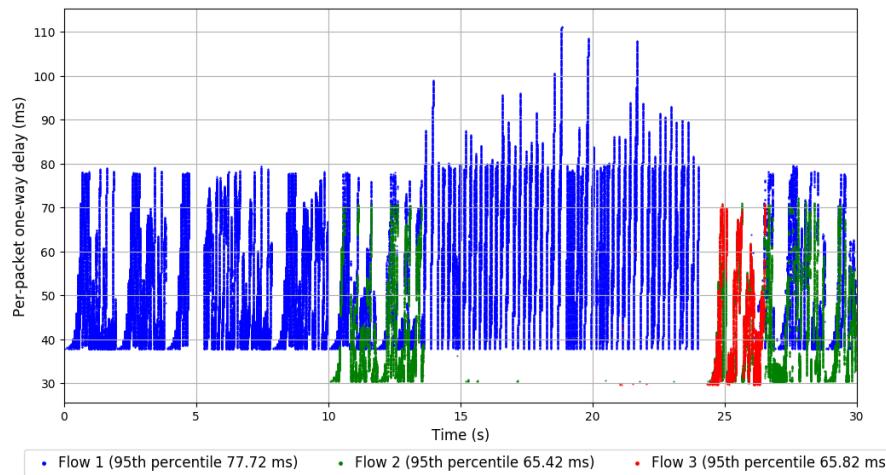
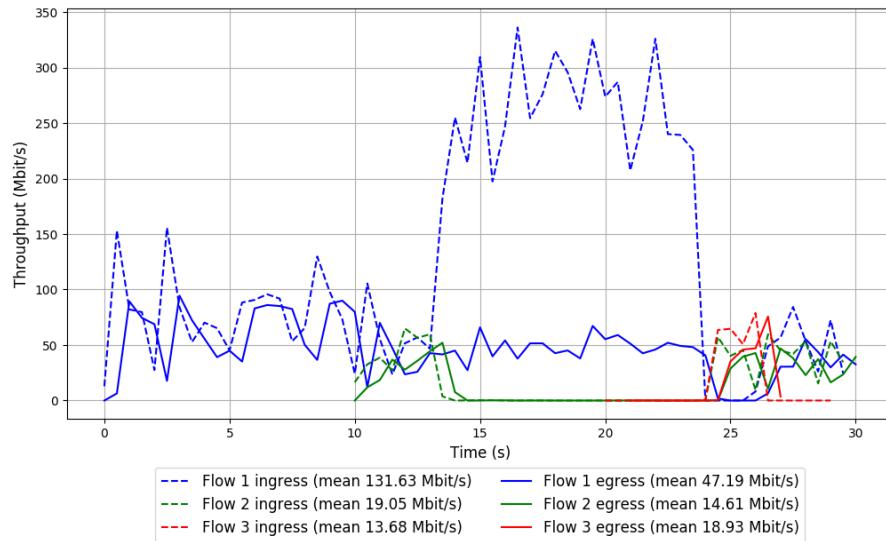


Run 1: Statistics of Verus

```
Start at: 2019-12-11 06:43:08
End at: 2019-12-11 06:43:38
Local clock offset: 4.824 ms
Remote clock offset: -6.707 ms

# Below is generated by plot.py at 2019-12-11 09:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 76.683 ms
Loss rate: 59.35%
-- Flow 1:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 77.725 ms
Loss rate: 64.14%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 65.424 ms
Loss rate: 23.20%
-- Flow 3:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 65.816 ms
Loss rate: 19.68%
```

## Run 1: Report of Verus — Data Link

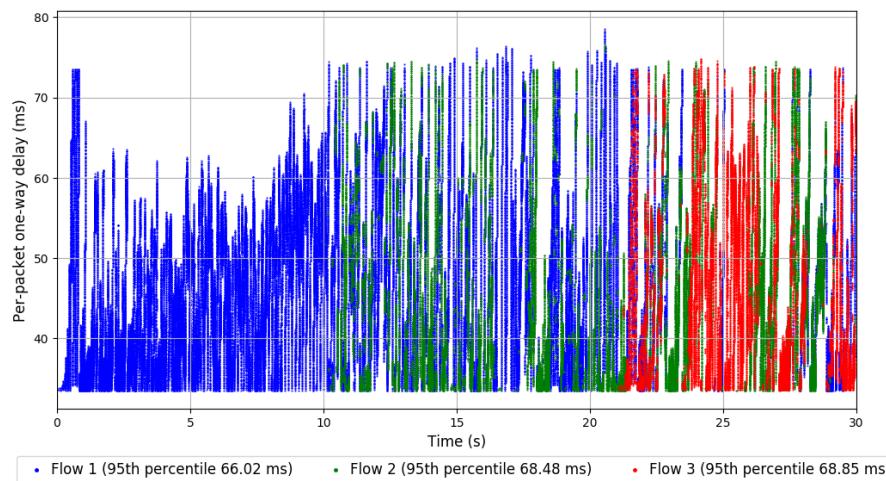
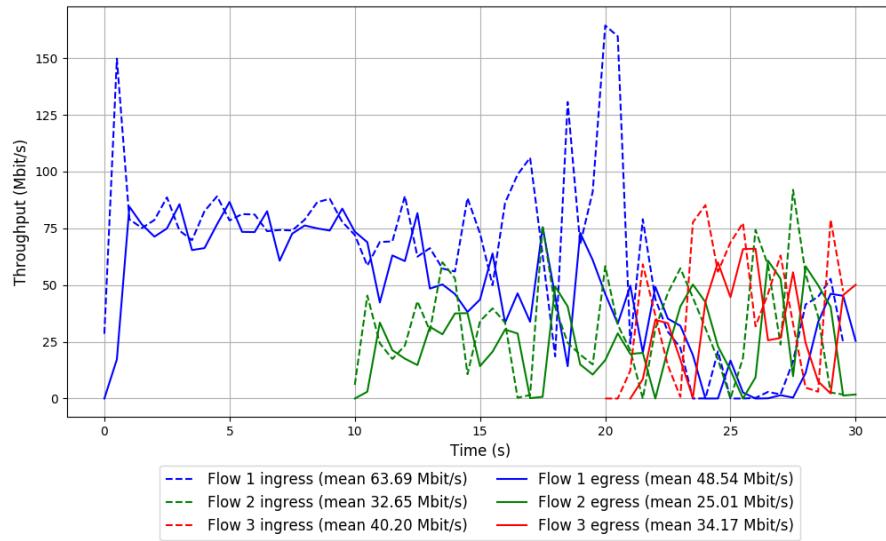


Run 2: Statistics of Verus

```
Start at: 2019-12-11 07:13:31
End at: 2019-12-11 07:14:01
Local clock offset: 0.093 ms
Remote clock offset: -5.675 ms

# Below is generated by plot.py at 2019-12-11 09:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 67.285 ms
Loss rate: 23.57%
-- Flow 1:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 66.016 ms
Loss rate: 23.71%
-- Flow 2:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 68.484 ms
Loss rate: 23.33%
-- Flow 3:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 68.852 ms
Loss rate: 23.26%
```

Run 2: Report of Verus — Data Link

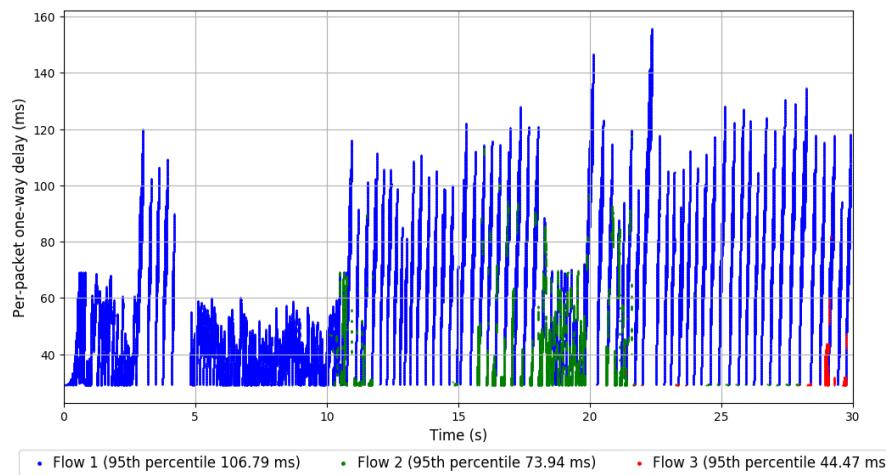
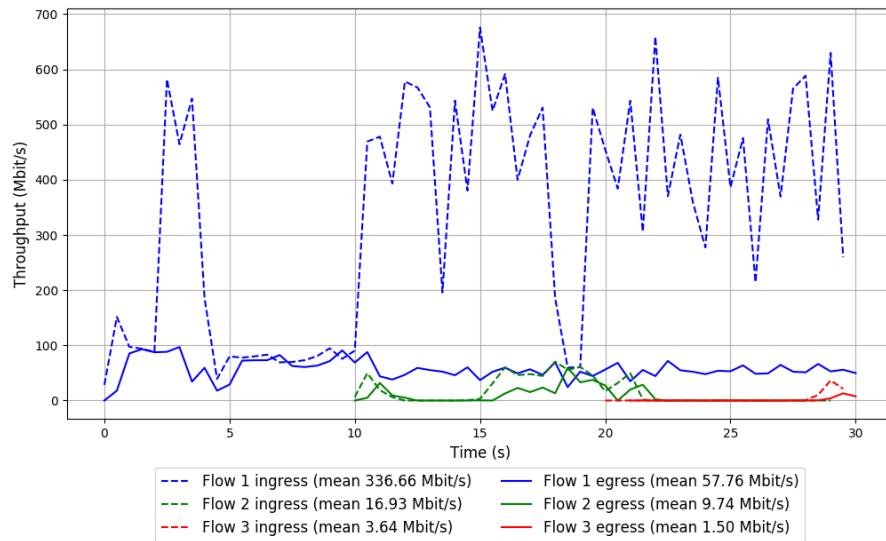


Run 3: Statistics of Verus

```
Start at: 2019-12-11 07:44:57
End at: 2019-12-11 07:45:27
Local clock offset: 4.902 ms
Remote clock offset: -6.681 ms

# Below is generated by plot.py at 2019-12-11 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 105.535 ms
Loss rate: 81.59%
-- Flow 1:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 106.791 ms
Loss rate: 82.79%
-- Flow 2:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 73.944 ms
Loss rate: 46.33%
-- Flow 3:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 44.468 ms
Loss rate: 63.55%
```

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

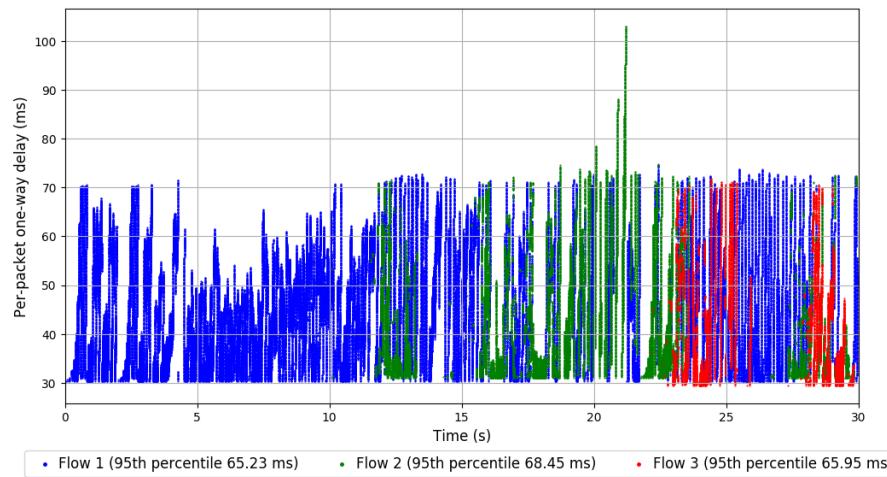
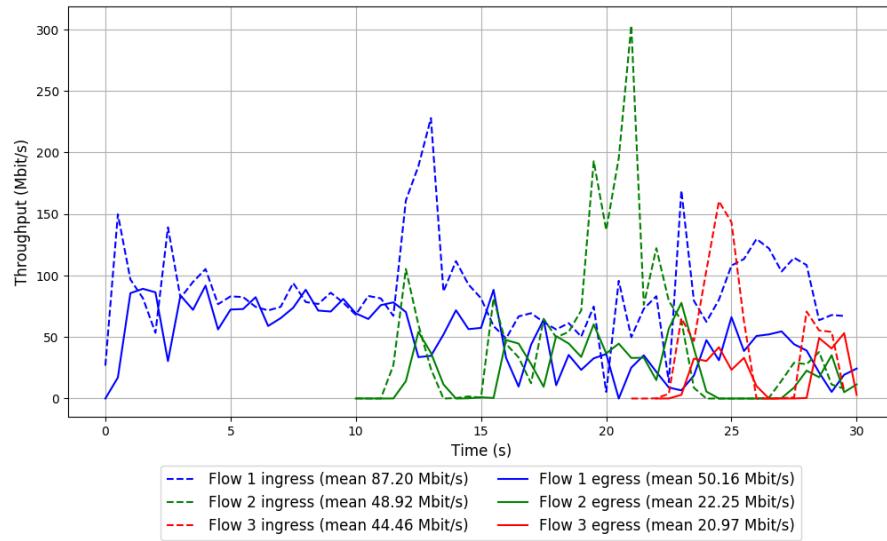


Run 4: Statistics of Verus

```
Start at: 2019-12-11 08:14:58
End at: 2019-12-11 08:15:28
Local clock offset: 5.191 ms
Remote clock offset: -6.679 ms

# Below is generated by plot.py at 2019-12-11 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 66.062 ms
Loss rate: 46.95%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 65.227 ms
Loss rate: 42.43%
-- Flow 2:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 68.450 ms
Loss rate: 54.48%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 65.950 ms
Loss rate: 58.56%
```

## Run 4: Report of Verus — Data Link

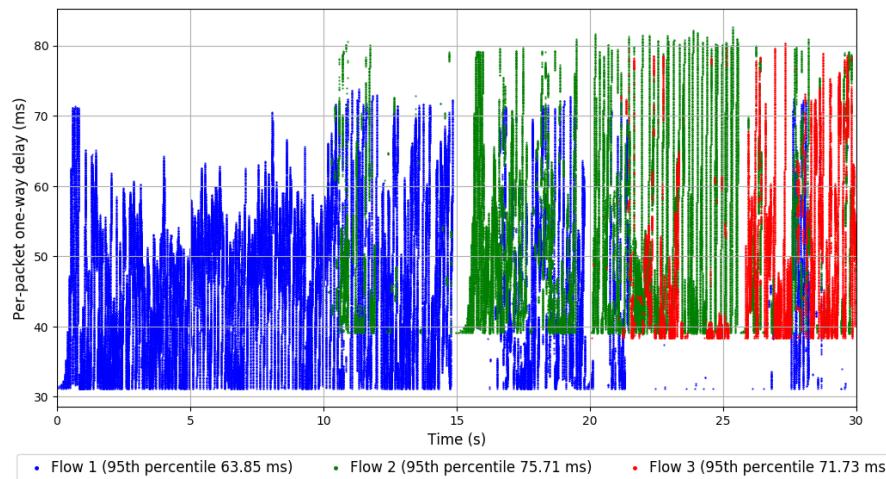
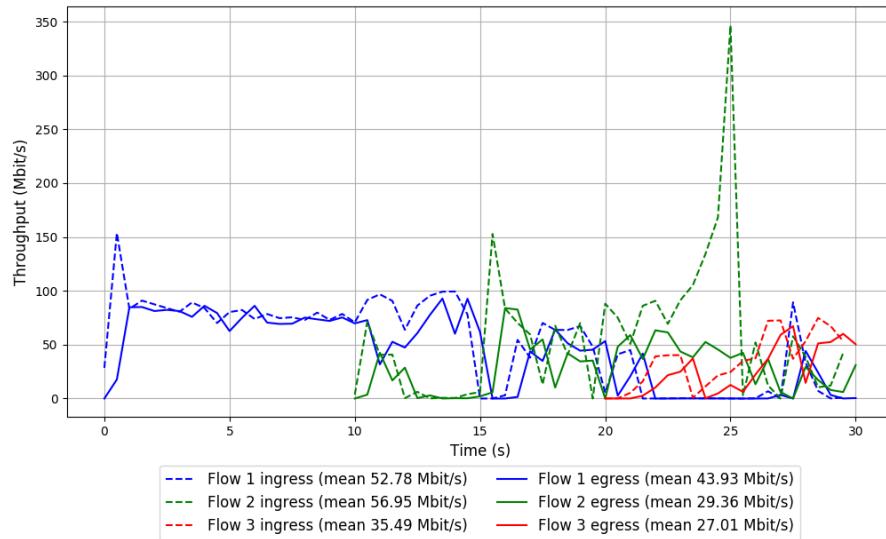


Run 5: Statistics of Verus

```
Start at: 2019-12-11 08:44:33
End at: 2019-12-11 08:45:03
Local clock offset: 3.049 ms
Remote clock offset: -6.896 ms

# Below is generated by plot.py at 2019-12-11 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 69.666 ms
Loss rate: 29.41%
-- Flow 1:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 63.854 ms
Loss rate: 16.89%
-- Flow 2:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 75.710 ms
Loss rate: 48.44%
-- Flow 3:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 71.728 ms
Loss rate: 23.80%
```

Run 5: Report of Verus — Data Link

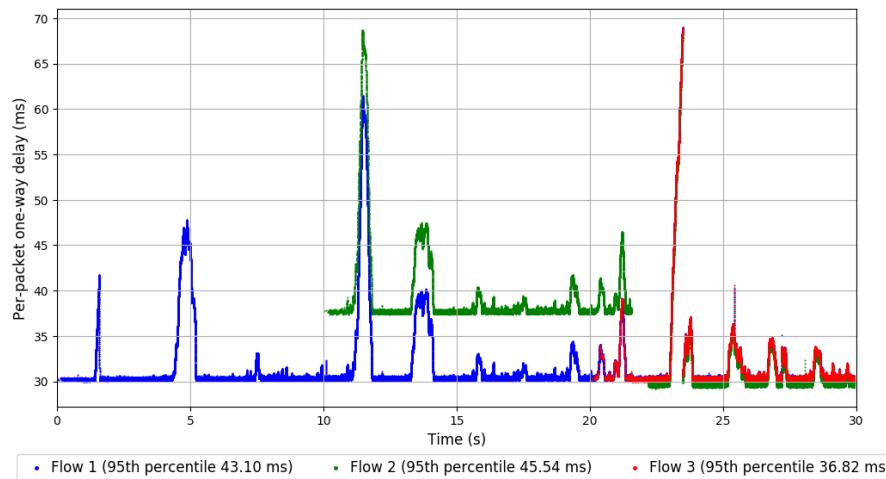
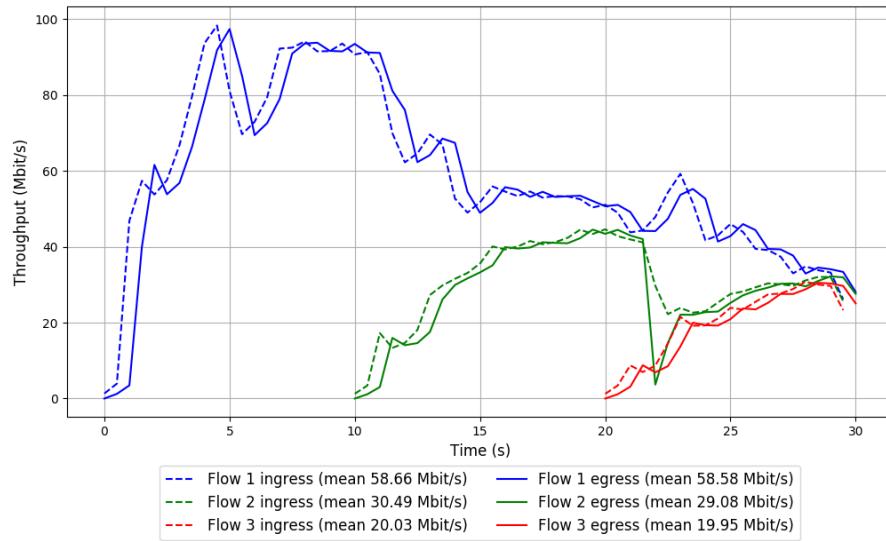


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-12-11 06:49:45
End at: 2019-12-11 06:50:15
Local clock offset: 4.736 ms
Remote clock offset: -6.641 ms

# Below is generated by plot.py at 2019-12-11 09:17:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 43.601 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 43.102 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 45.537 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 36.819 ms
Loss rate: 0.43%
```

Run 1: Report of PCC-Vivace — Data Link

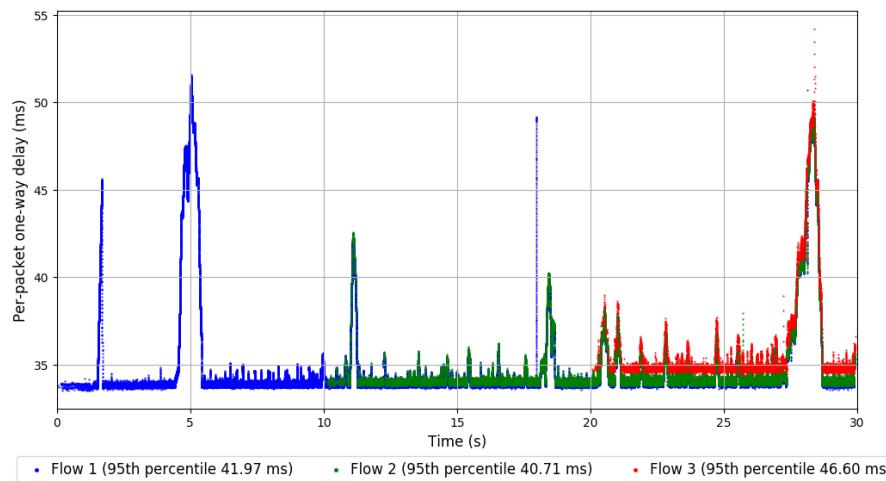
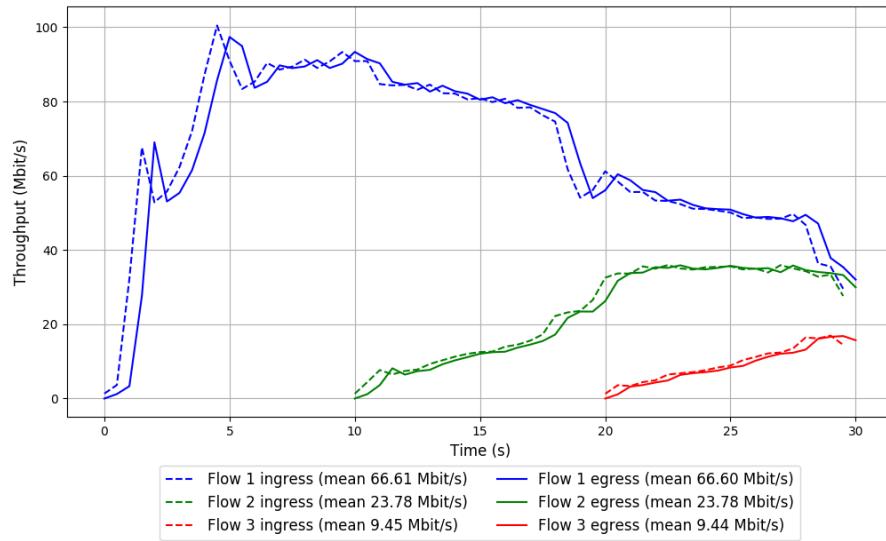


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-12-11 07:19:47
End at: 2019-12-11 07:20:17
Local clock offset: -0.355 ms
Remote clock offset: -5.618 ms

# Below is generated by plot.py at 2019-12-11 09:17:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 41.898 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.60 Mbit/s
95th percentile per-packet one-way delay: 41.972 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 40.709 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 46.600 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

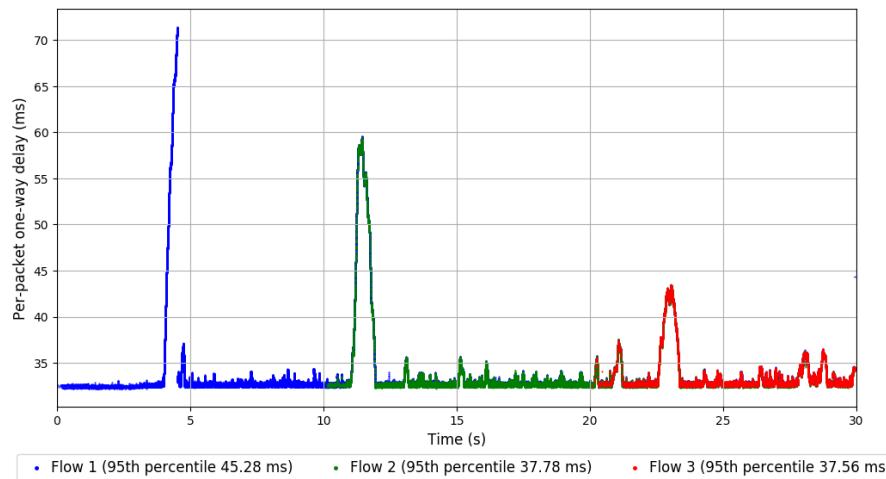
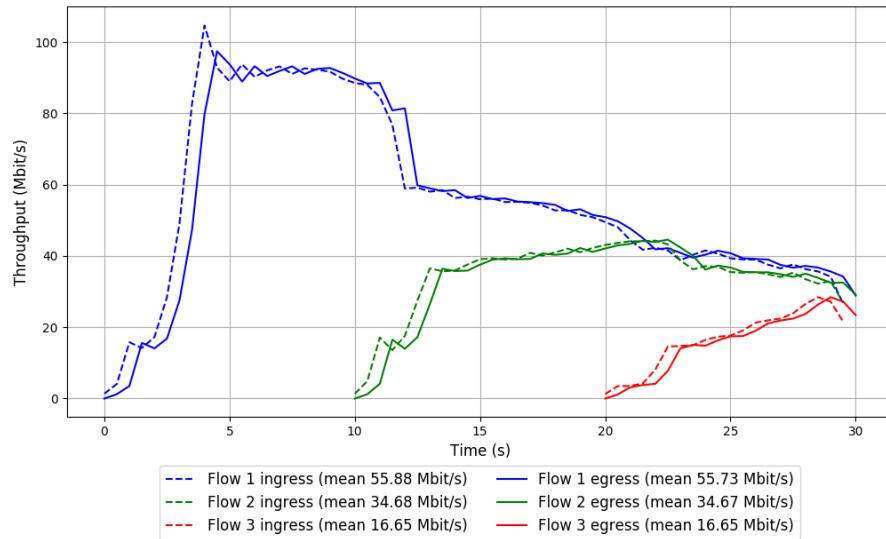


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-12-11 07:51:22
End at: 2019-12-11 07:51:52
Local clock offset: 2.479 ms
Remote clock offset: -6.56 ms

# Below is generated by plot.py at 2019-12-11 09:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.28 Mbit/s
95th percentile per-packet one-way delay: 41.632 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 45.285 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 37.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 37.557 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Vivace — Data Link

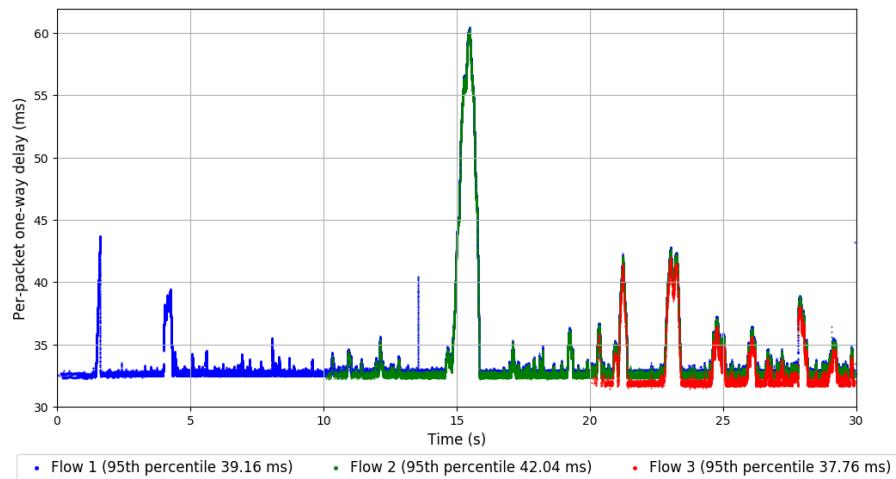
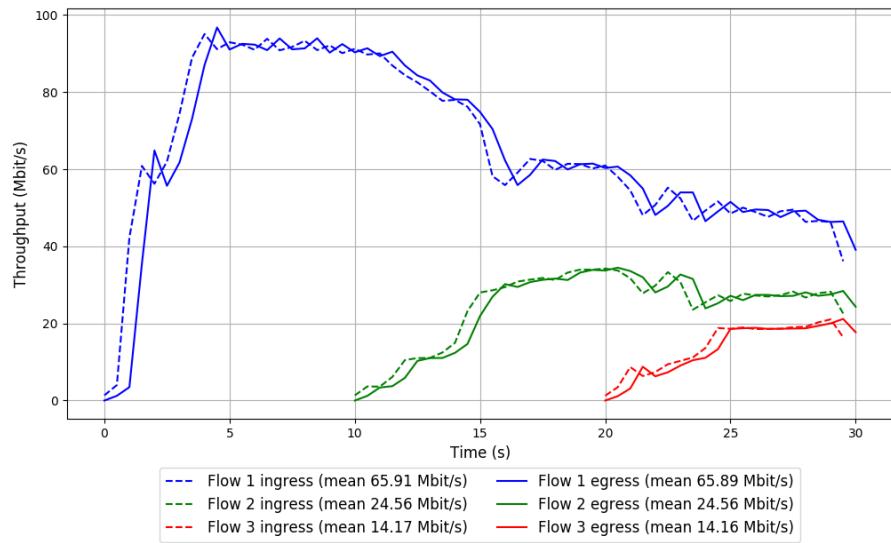


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-12-11 08:21:00
End at: 2019-12-11 08:21:30
Local clock offset: 3.592 ms
Remote clock offset: -6.926 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 39.933 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 39.158 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 42.040 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 37.755 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Vivace — Data Link

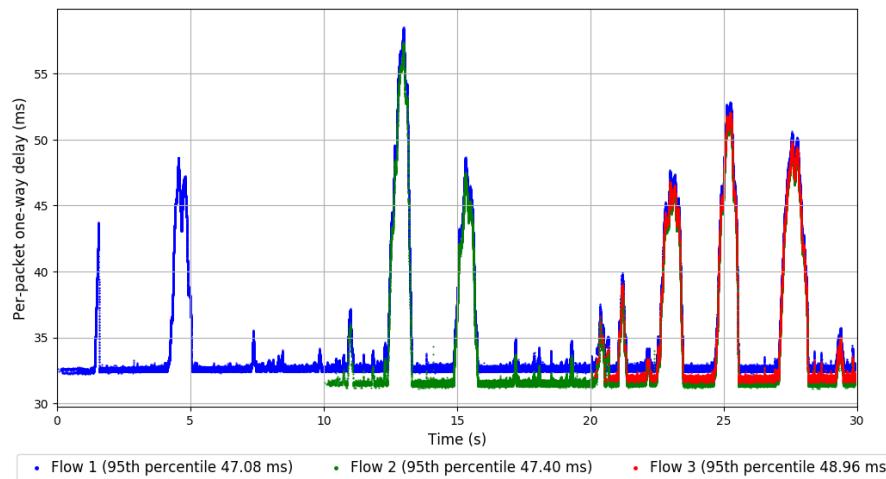
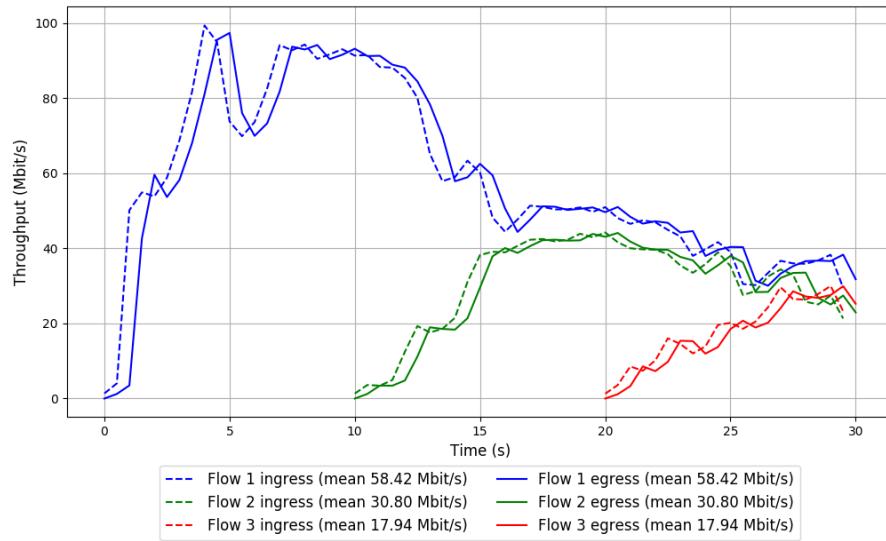


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-12-11 08:50:29
End at: 2019-12-11 08:51:00
Local clock offset: 4.236 ms
Remote clock offset: -4.689 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 47.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.42 Mbit/s
95th percentile per-packet one-way delay: 47.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 47.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.94 Mbit/s
95th percentile per-packet one-way delay: 48.959 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

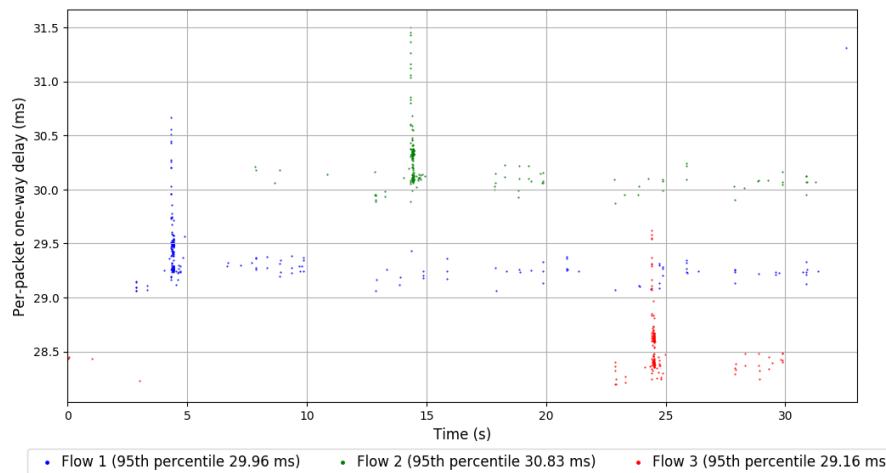
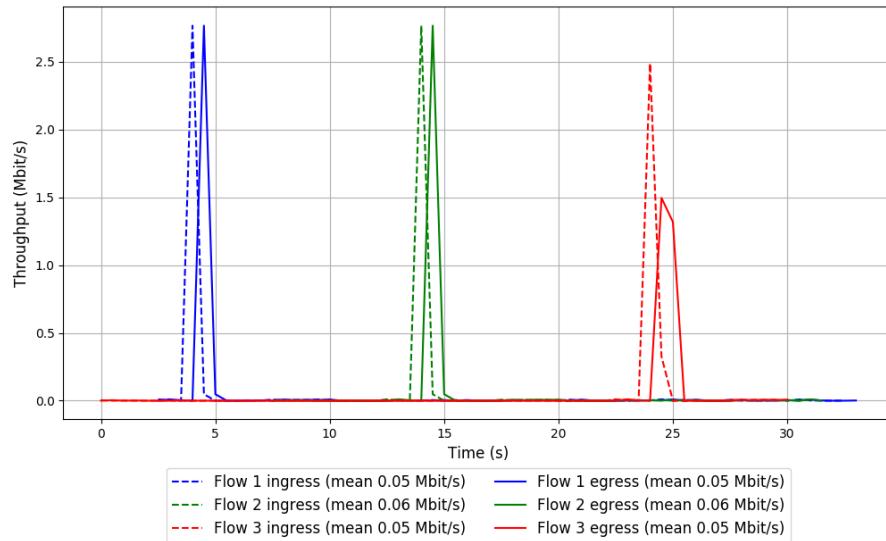


Run 1: Statistics of WebRTC media

```
Start at: 2019-12-11 06:59:55
End at: 2019-12-11 07:00:25
Local clock offset: 5.079 ms
Remote clock offset: -5.802 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 30.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 30.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.163 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

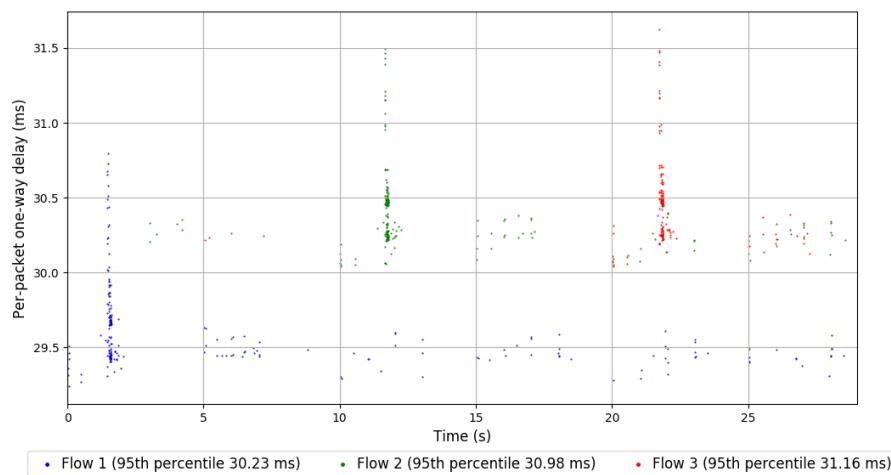
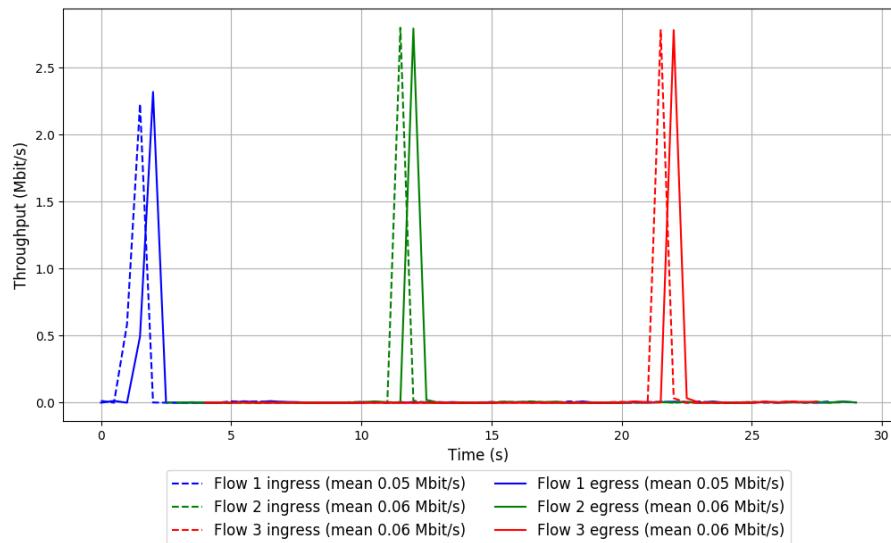


Run 2: Statistics of WebRTC media

```
Start at: 2019-12-11 07:31:14
End at: 2019-12-11 07:31:44
Local clock offset: 4.571 ms
Remote clock offset: -5.245 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 30.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 30.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.00%
```

## Run 2: Report of WebRTC media — Data Link

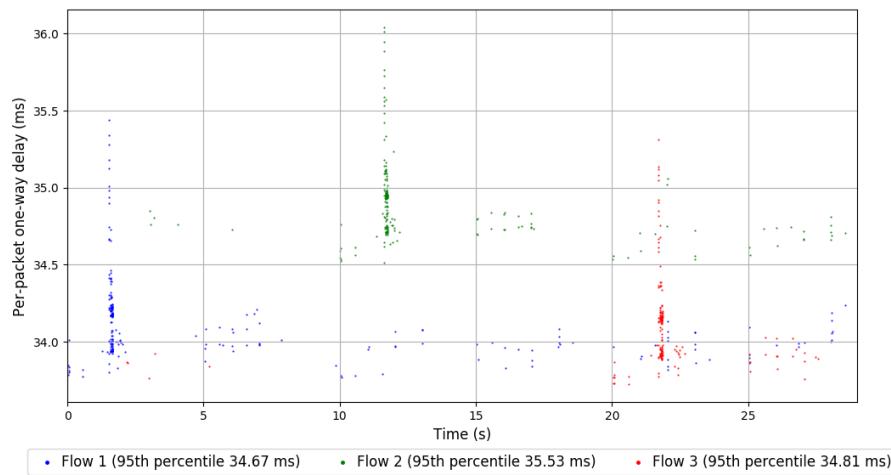
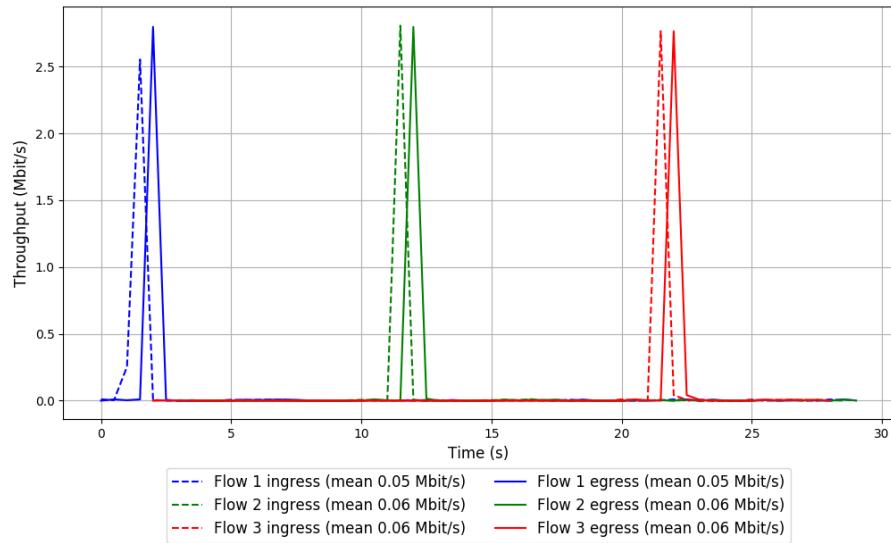


```
Run 3: Statistics of WebRTC media

Start at: 2019-12-11 08:01:39
End at: 2019-12-11 08:02:09
Local clock offset: 1.826 ms
Remote clock offset: -6.368 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 35.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 34.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 35.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 34.814 ms
Loss rate: 0.00%
```

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

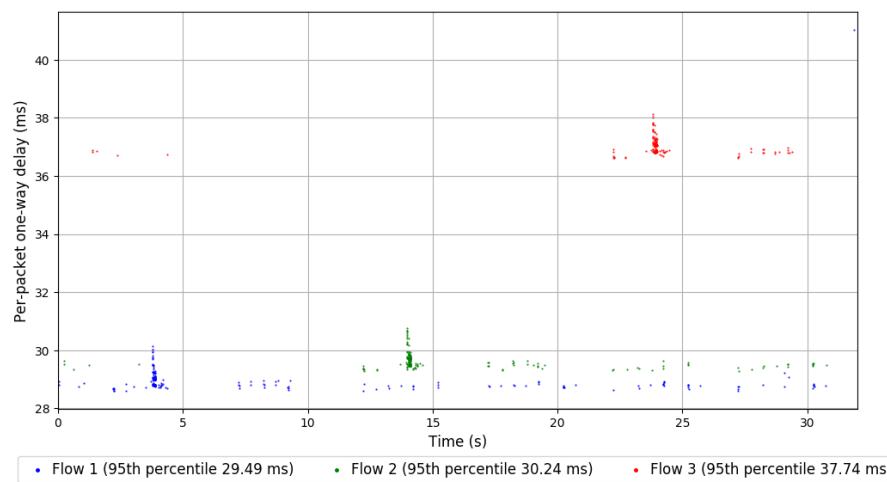
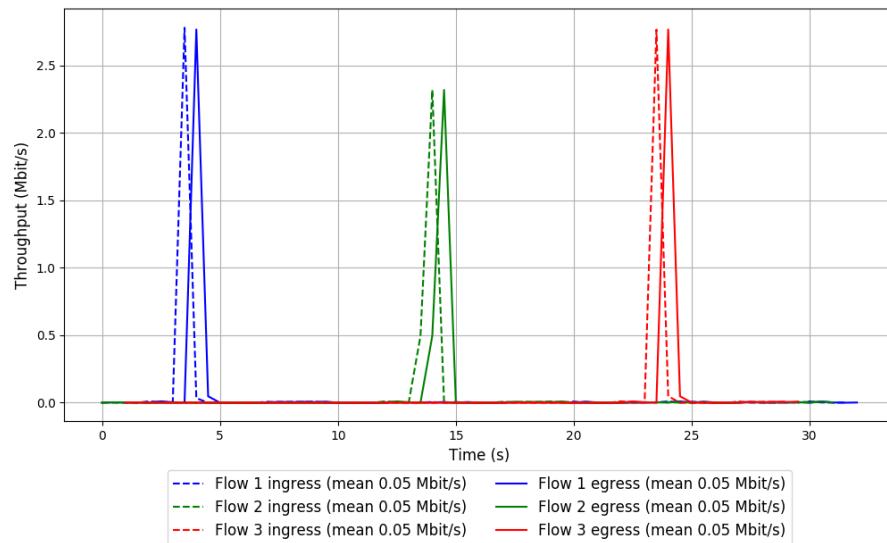


Run 4: Statistics of WebRTC media

```
Start at: 2019-12-11 08:31:25
End at: 2019-12-11 08:31:55
Local clock offset: 6.42 ms
Remote clock offset: -6.97 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 37.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.491 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 37.741 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-12-11 09:00:20
End at: 2019-12-11 09:00:51
Local clock offset: 3.342 ms
Remote clock offset: -6.901 ms

# Below is generated by plot.py at 2019-12-11 09:17:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.291 ms
Loss rate: 0.00%
```

### Run 5: Report of WebRTC media — Data Link

