

## Pantheon Report

Generated at 2019-11-24 11:31:06 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

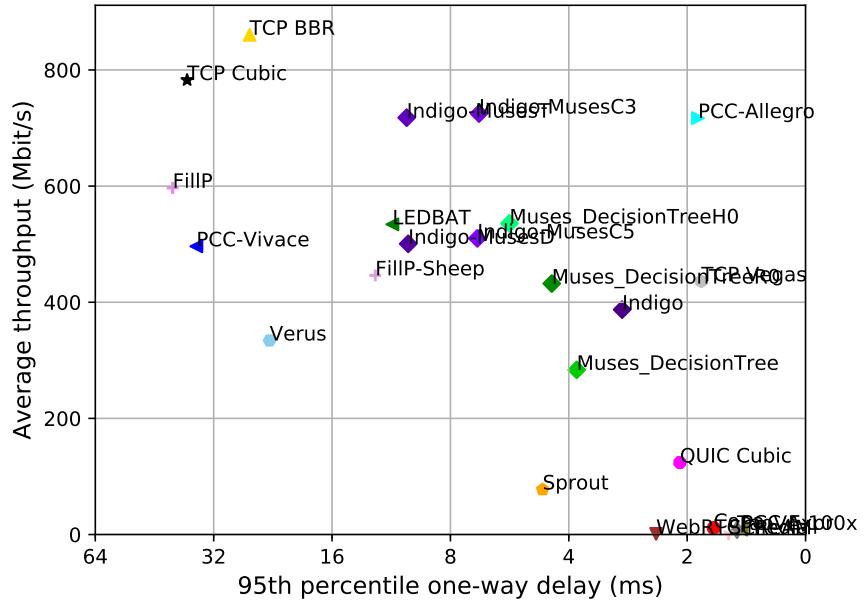
```
Linux 4.15.0-1051-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

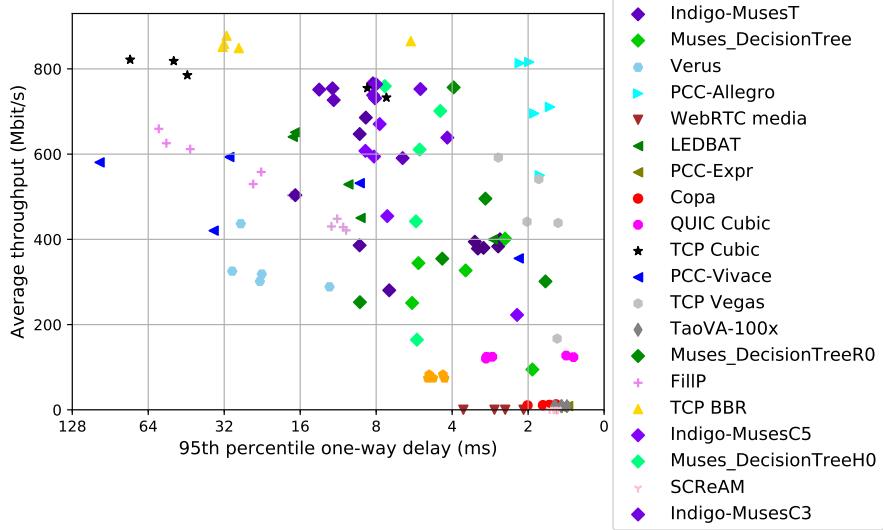
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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
```

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



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



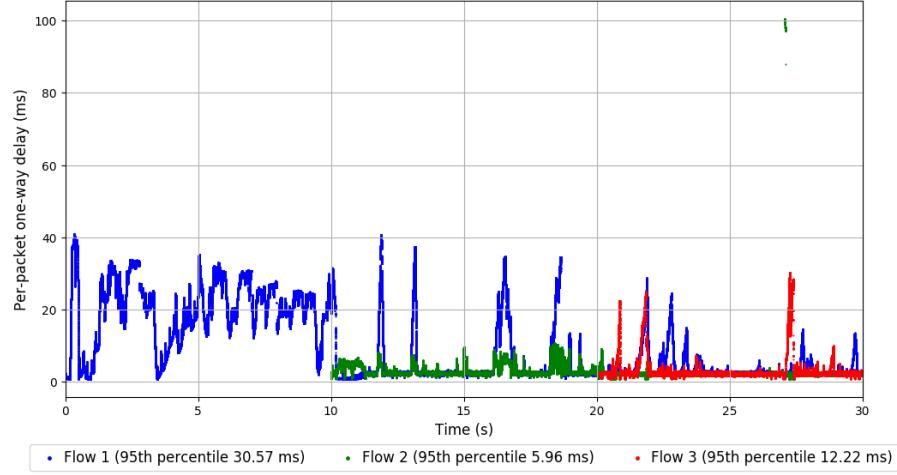
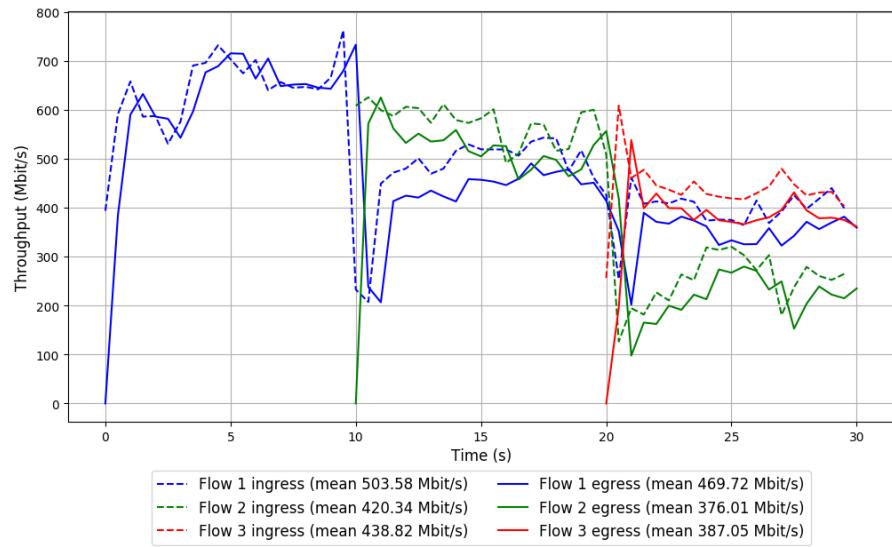
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	497.44	374.76	340.95	26.00	23.92	6.98	5.14	9.64	11.93
Copa		6.67	5.59	4.50	1.57	1.67	1.52	50.24	59.30	69.07
TCP Cubic		443.57	324.91	368.50	40.55	4.45	2.24	0.07	0.05	0.05
FillP		378.46	228.89	199.64	33.41	41.28	28.09	8.98	4.85	12.60
FillP-Sheep		285.64	214.50	54.20	12.73	9.58	10.03	1.92	7.47	7.49
Indigo		201.35	190.92	184.20	2.30	2.92	3.87	0.05	0.05	0.05
Indigo-MusesC3		455.64	336.69	178.38	8.19	3.47	2.26	0.94	1.60	0.88
Indigo-MusesC5		306.25	265.56	108.07	6.93	3.66	2.10	0.90	0.95	1.01
Indigo-MusesD		234.87	308.67	225.39	6.60	7.22	3.34	0.19	0.41	0.70
Indigo-MusesT		472.20	221.29	356.53	10.36	2.47	5.62	0.78	1.26	2.23
LEDBAT		296.22	249.81	226.03	8.37	5.31	3.87	0.09	0.13	0.27
Muses_DecisionTree		23.87	318.11	150.47	1.76	4.37	1.90	0.01	0.05	0.01
Muses_DecisionTreeH0		330.72	221.55	179.68	4.94	3.16	2.93	0.86	1.54	0.29
Muses_DecisionTreeR0		232.44	293.03	17.42	3.48	2.76	1.08	0.08	0.12	0.11
PCC-Allegro		444.36	302.72	216.97	1.78	1.78	1.85	0.12	0.18	0.25
PCC-Expr		0.37	9.55	6.18	1.17	1.09	1.09	85.71	37.04	39.15
QUIC Cubic		65.22	62.06	53.57	1.49	1.51	4.77	0.01	0.00	0.00
SCReAM		0.22	0.22	0.22	1.31	1.28	1.31	0.00	0.00	0.00
Sprout		39.81	34.68	44.51	4.61	4.48	4.38	0.09	0.07	0.07
TaoVA-100x		0.00	9.74	4.76	1.14	1.16	1.15	95.92	66.82	73.73
TCP Vegas		225.36	216.43	199.99	1.88	1.42	1.36	0.01	0.02	0.07
Verus		205.31	123.29	141.55	21.73	14.03	45.69	12.46	7.83	9.10
PCC-Vivace		285.67	256.97	120.29	18.70	59.40	16.97	0.13	0.69	0.56
WebRTC media		0.56	0.43	0.21	1.93	4.48	2.38	0.02	0.01	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-24 07:28:48
End at: 2019-11-24 07:29:18
Local clock offset: 4.088 ms
Remote clock offset: 0.863 ms

# Below is generated by plot.py at 2019-11-24 10:30:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 848.87 Mbit/s
95th percentile per-packet one-way delay: 28.009 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 469.72 Mbit/s
95th percentile per-packet one-way delay: 30.573 ms
Loss rate: 6.72%
-- Flow 2:
Average throughput: 376.01 Mbit/s
95th percentile per-packet one-way delay: 5.964 ms
Loss rate: 10.54%
-- Flow 3:
Average throughput: 387.05 Mbit/s
95th percentile per-packet one-way delay: 12.225 ms
Loss rate: 11.80%
```

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

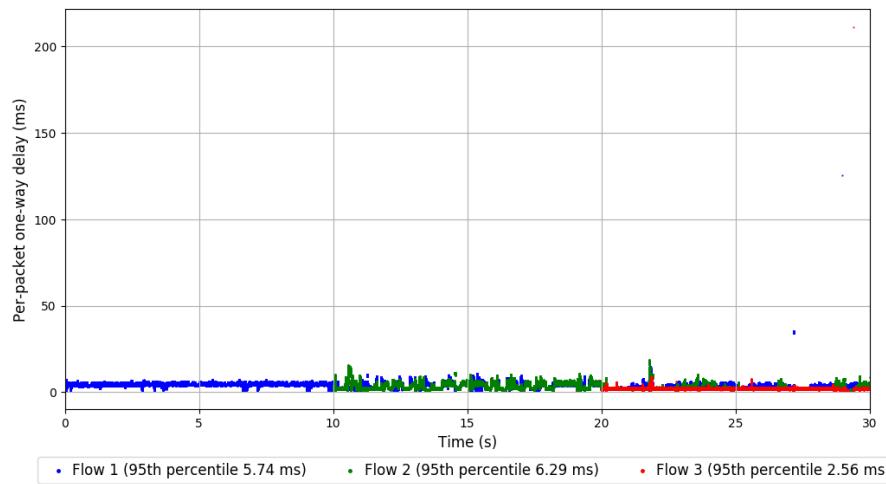
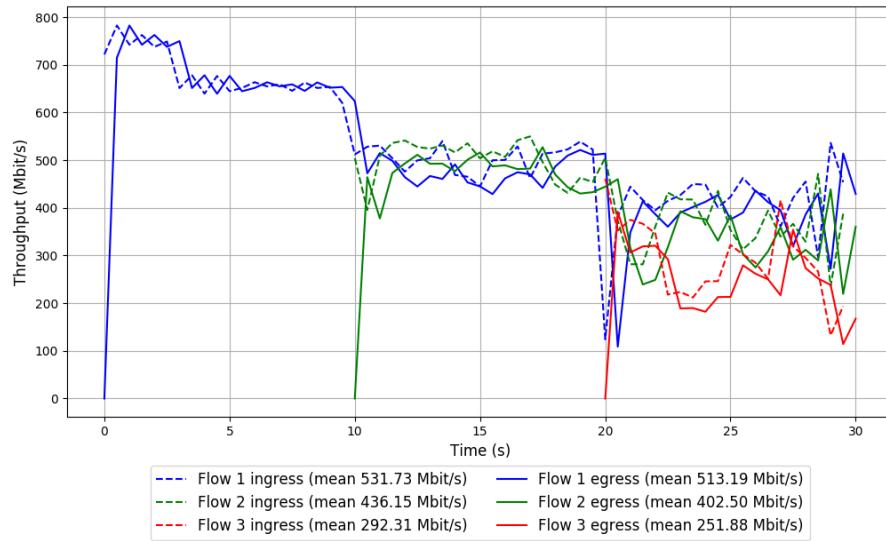


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-24 08:03:43
End at: 2019-11-24 08:04:13
Local clock offset: 4.583 ms
Remote clock offset: 0.733 ms

# Below is generated by plot.py at 2019-11-24 10:31:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 865.07 Mbit/s
95th percentile per-packet one-way delay: 5.832 ms
Loss rate: 5.91%
-- Flow 1:
Average throughput: 513.19 Mbit/s
95th percentile per-packet one-way delay: 5.738 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 402.50 Mbit/s
95th percentile per-packet one-way delay: 6.288 ms
Loss rate: 7.69%
-- Flow 3:
Average throughput: 251.88 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 13.82%
```

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

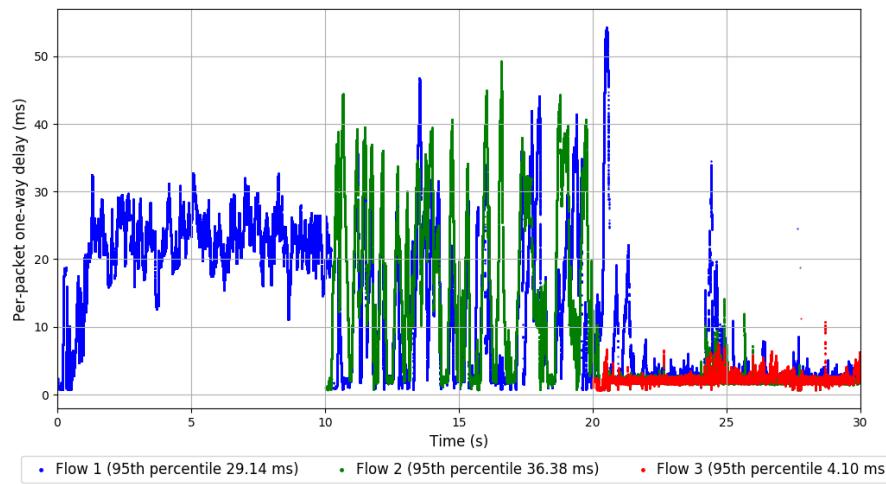
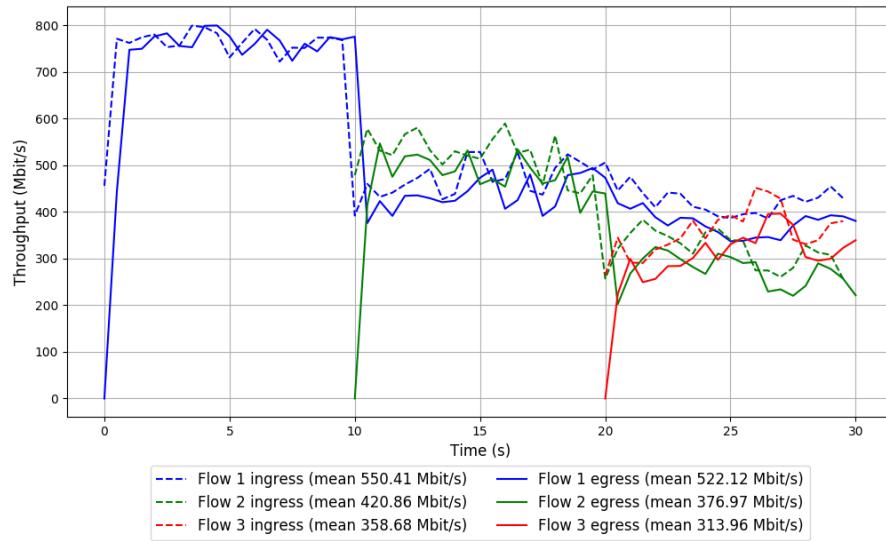


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-24 08:38:58
End at: 2019-11-24 08:39:28
Local clock offset: 3.513 ms
Remote clock offset: 2.458 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 877.83 Mbit/s
95th percentile per-packet one-way delay: 31.327 ms
Loss rate: 7.62%
-- Flow 1:
Average throughput: 522.12 Mbit/s
95th percentile per-packet one-way delay: 29.137 ms
Loss rate: 5.14%
-- Flow 2:
Average throughput: 376.97 Mbit/s
95th percentile per-packet one-way delay: 36.379 ms
Loss rate: 10.42%
-- Flow 3:
Average throughput: 313.96 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 12.46%
```

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

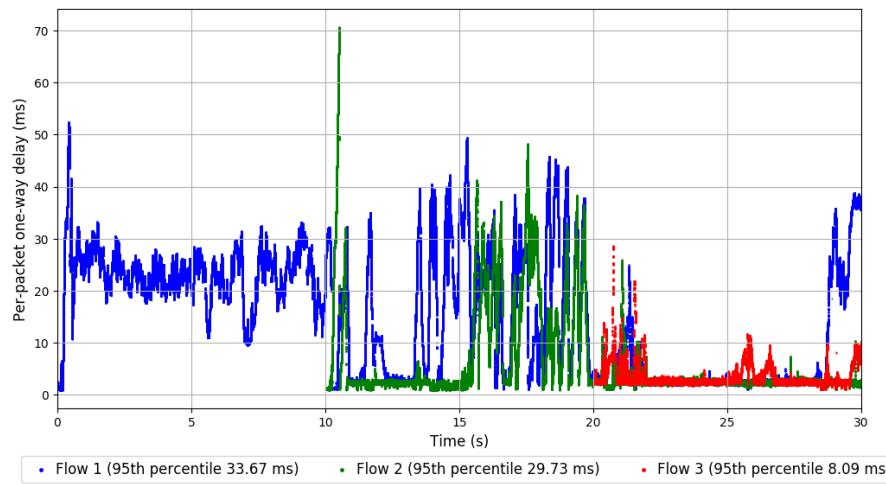
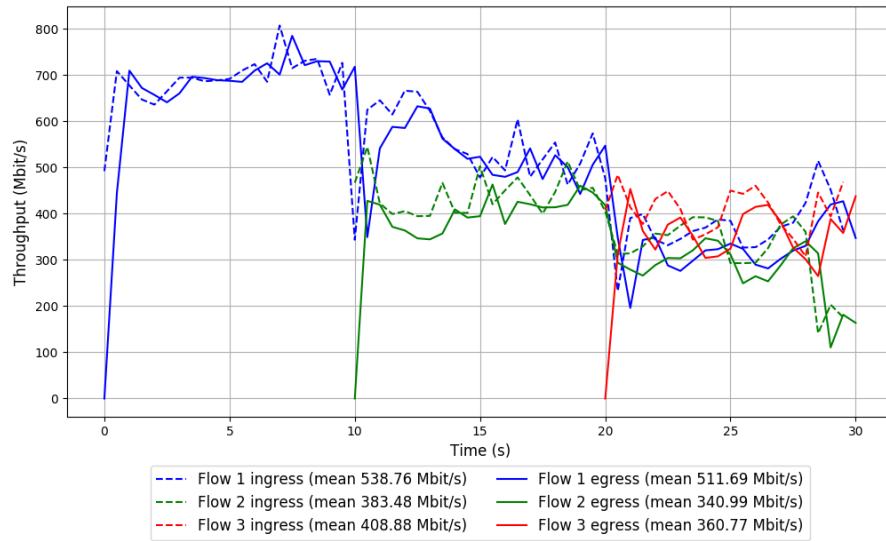


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-24 09:14:32
End at: 2019-11-24 09:15:02
Local clock offset: 3.145 ms
Remote clock offset: -1.833 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 859.04 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 511.69 Mbit/s
95th percentile per-packet one-way delay: 33.670 ms
Loss rate: 5.02%
-- Flow 2:
Average throughput: 340.99 Mbit/s
95th percentile per-packet one-way delay: 29.733 ms
Loss rate: 11.08%
-- Flow 3:
Average throughput: 360.77 Mbit/s
95th percentile per-packet one-way delay: 8.086 ms
Loss rate: 11.76%
```

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

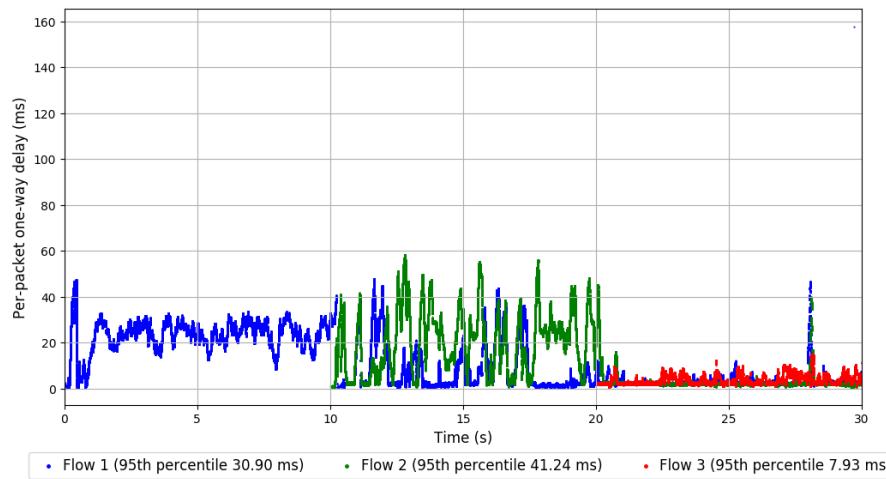
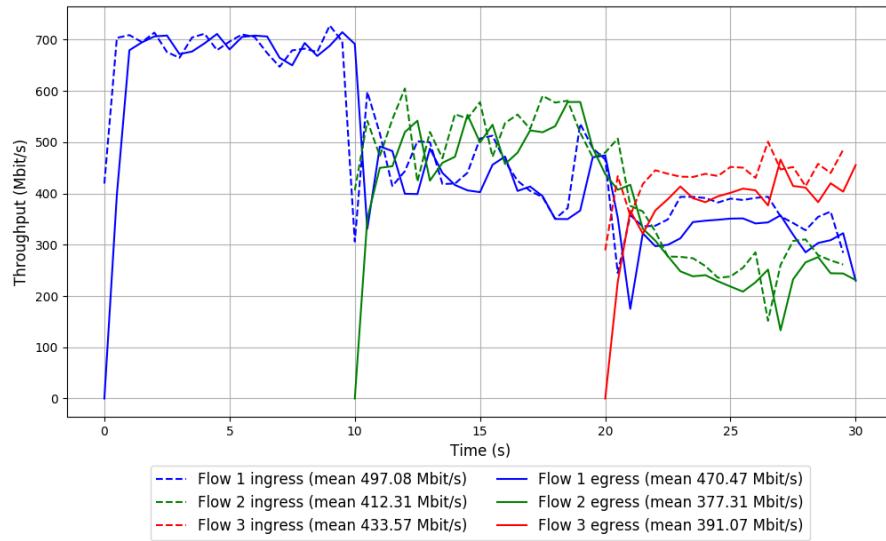


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-24 09:49:40
End at: 2019-11-24 09:50:10
Local clock offset: 3.006 ms
Remote clock offset: -5.864 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 851.78 Mbit/s
95th percentile per-packet one-way delay: 32.420 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 470.47 Mbit/s
95th percentile per-packet one-way delay: 30.901 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 377.31 Mbit/s
95th percentile per-packet one-way delay: 41.239 ms
Loss rate: 8.49%
-- Flow 3:
Average throughput: 391.07 Mbit/s
95th percentile per-packet one-way delay: 7.930 ms
Loss rate: 9.80%
```

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

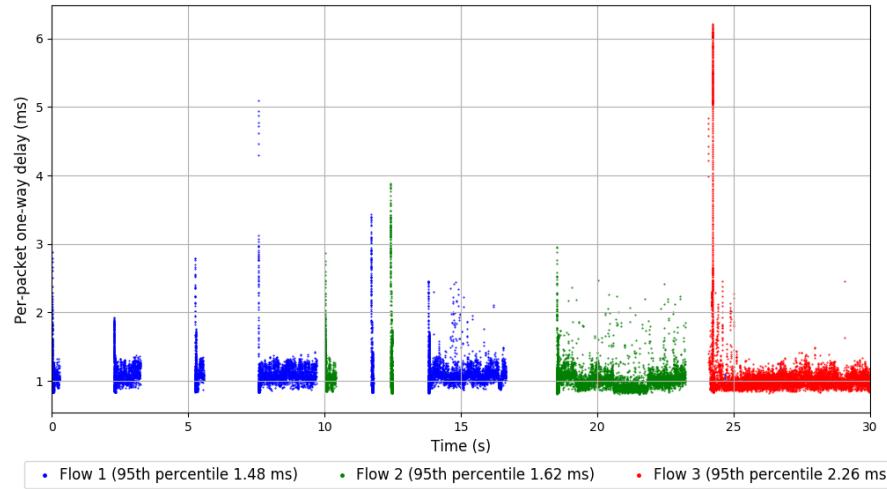
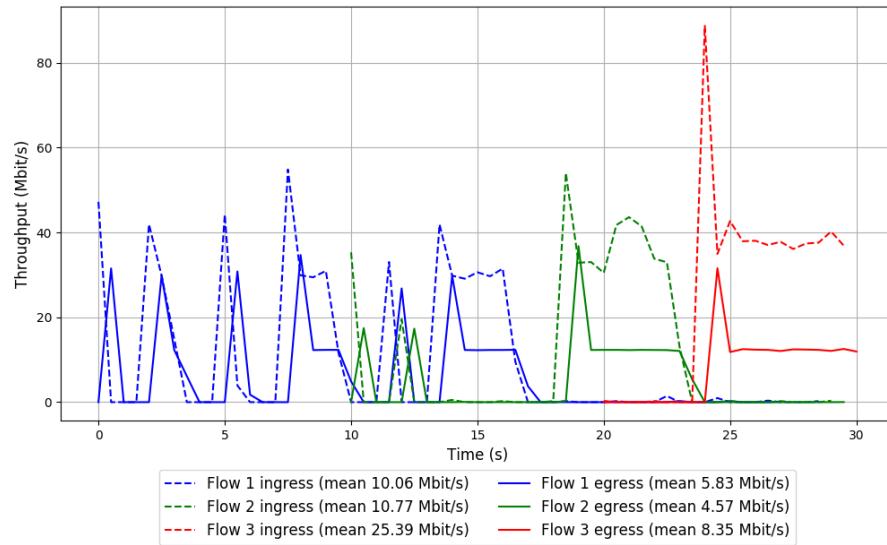


Run 1: Statistics of Copa

```
Start at: 2019-11-24 07:27:32
End at: 2019-11-24 07:28:02
Local clock offset: 4.058 ms
Remote clock offset: 0.838 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 56.37%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 46.08%
-- Flow 2:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 1.619 ms
Loss rate: 57.61%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 67.11%
```

Run 1: Report of Copa — Data Link

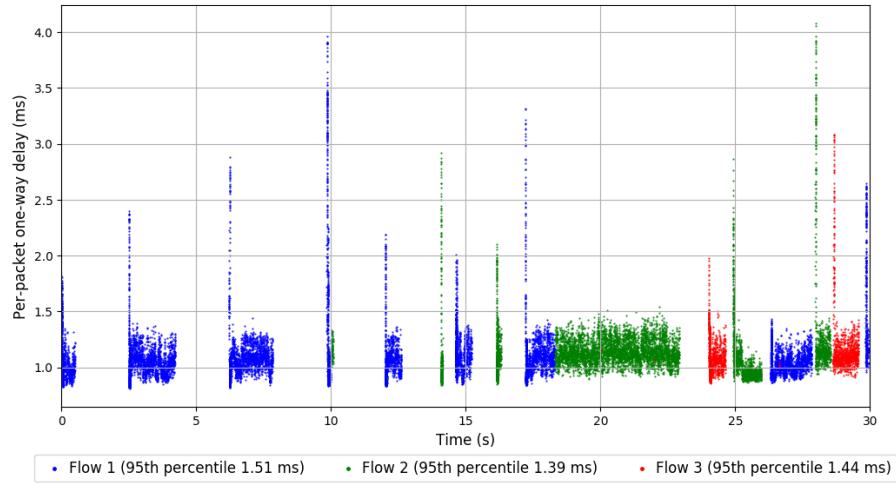
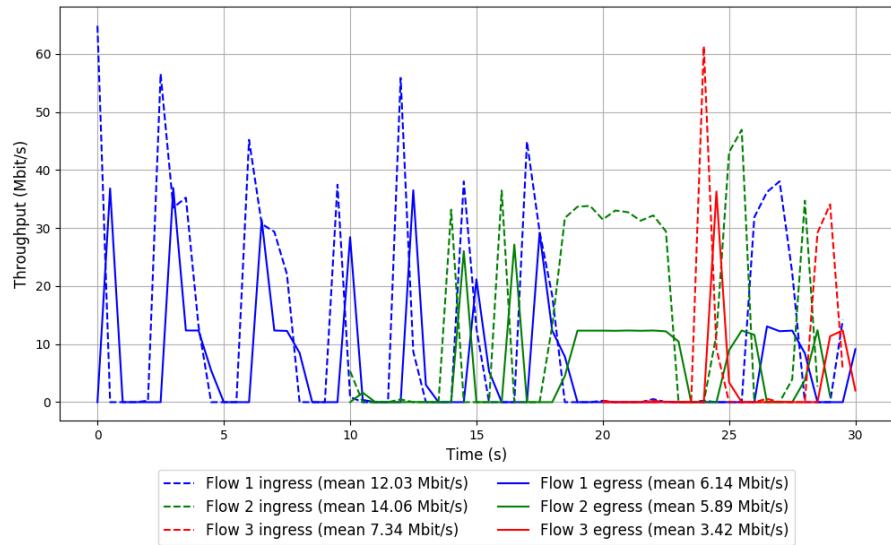


Run 2: Statistics of Copa

```
Start at: 2019-11-24 08:02:27
End at: 2019-11-24 08:02:57
Local clock offset: 4.575 ms
Remote clock offset: 0.937 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 52.86%
-- Flow 1:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 48.98%
-- Flow 2:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 58.10%
-- Flow 3:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 1.436 ms
Loss rate: 53.34%
```

## Run 2: Report of Copa — Data Link

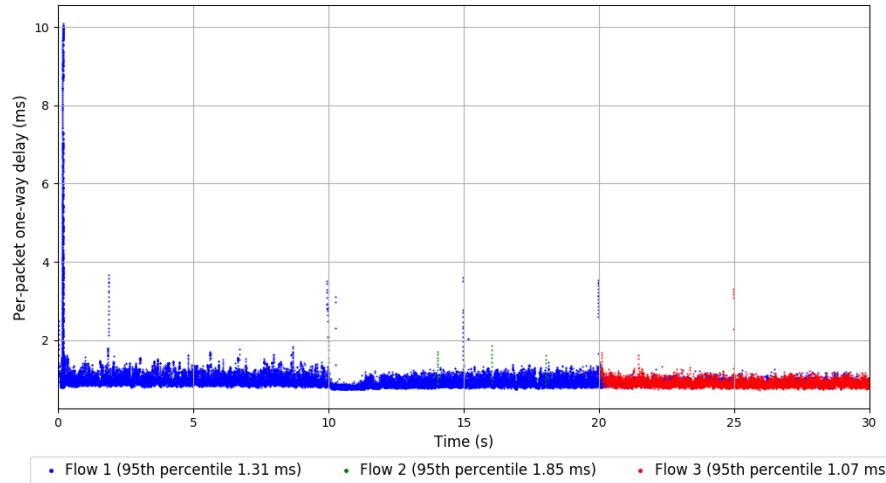
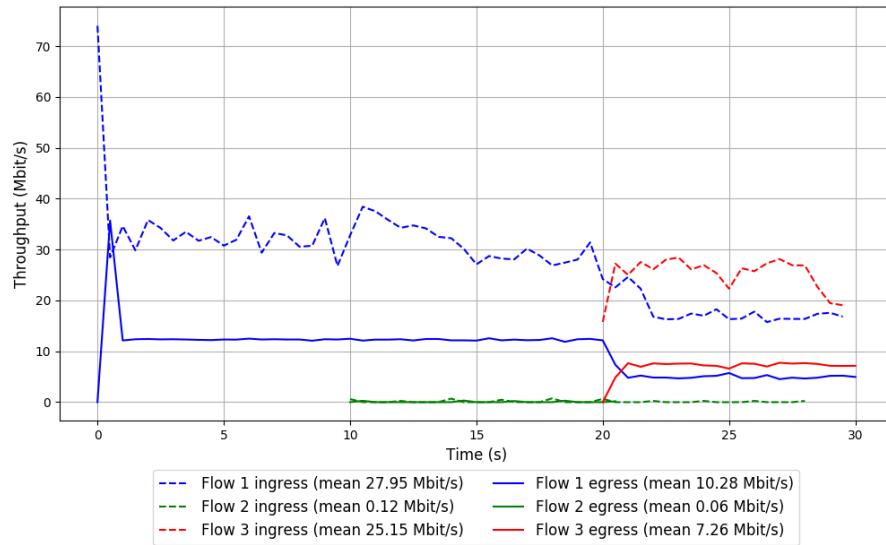


Run 3: Statistics of Copa

```
Start at: 2019-11-24 08:37:43
End at: 2019-11-24 08:38:13
Local clock offset: 3.508 ms
Remote clock offset: 2.332 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 65.05%
-- Flow 1:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 63.23%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 71.40%
-- Flow 3:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 71.11%
```

### Run 3: Report of Copa — Data Link

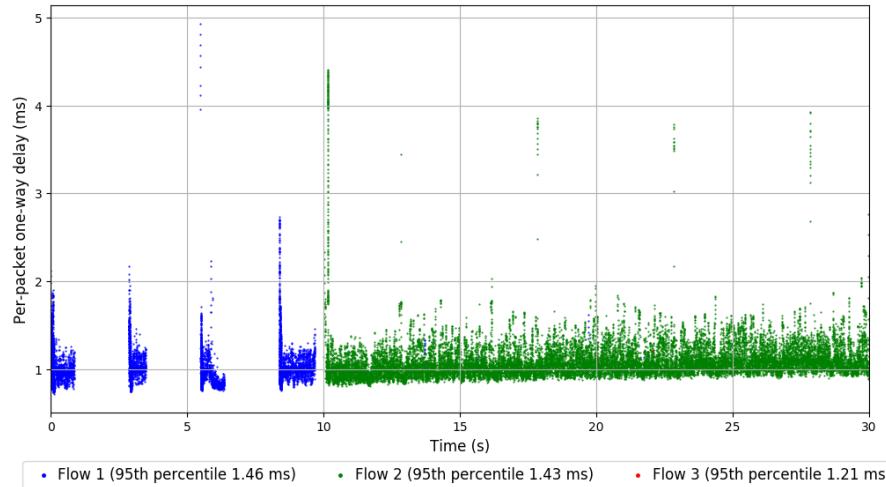
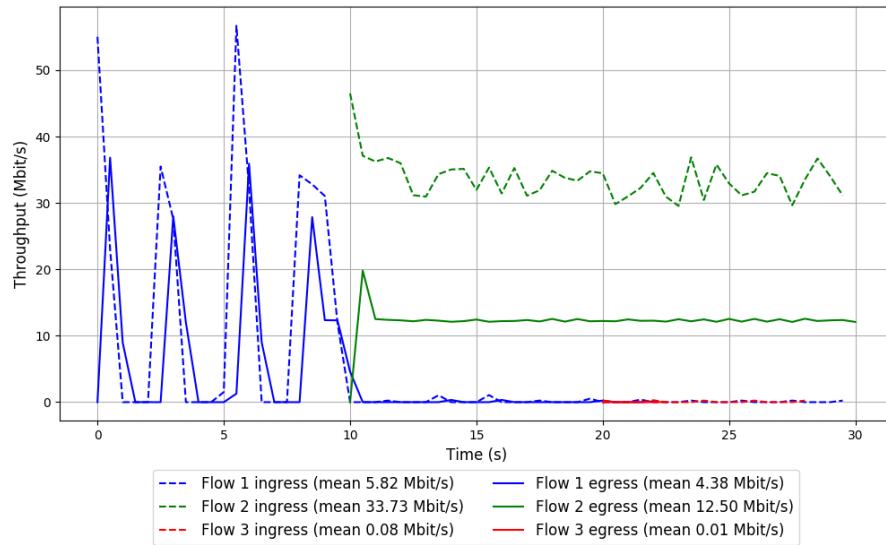


Run 4: Statistics of Copa

```
Start at: 2019-11-24 09:13:17
End at: 2019-11-24 09:13:47
Local clock offset: 3.172 ms
Remote clock offset: -1.553 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 1.439 ms
Loss rate: 59.33%
-- Flow 1:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 1.463 ms
Loss rate: 45.03%
-- Flow 2:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 1.431 ms
Loss rate: 62.96%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 97.92%
```

## Run 4: Report of Copa — Data Link

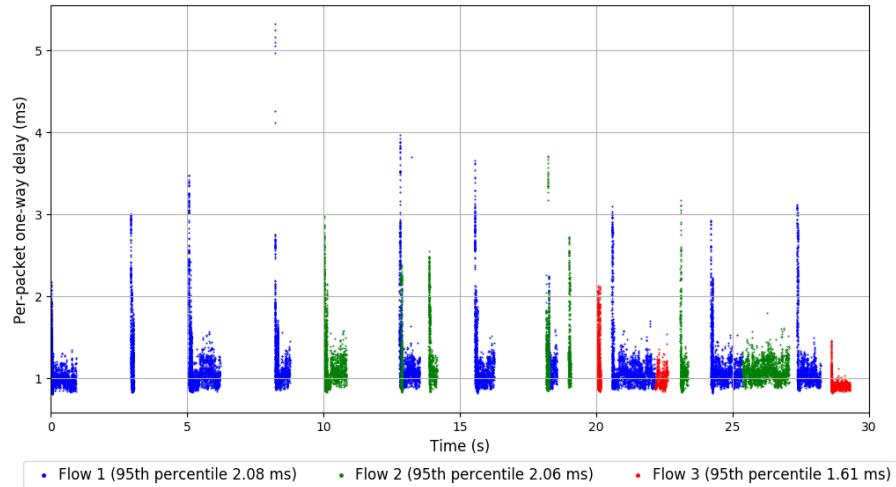
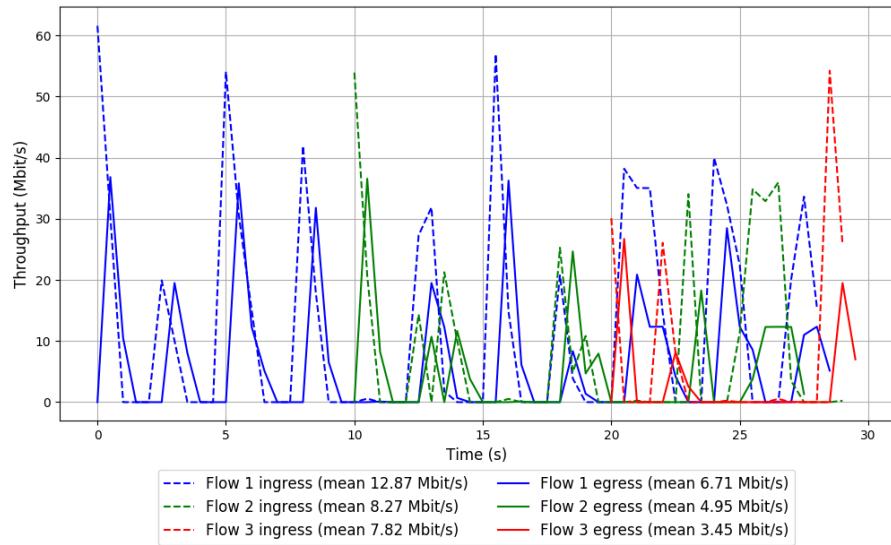


Run 5: Statistics of Copa

```
Start at: 2019-11-24 09:48:24
End at: 2019-11-24 09:48:54
Local clock offset: 2.976 ms
Remote clock offset: -5.739 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.43 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 48.47%
-- Flow 1:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 47.86%
-- Flow 2:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 2.061 ms
Loss rate: 46.45%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 1.609 ms
Loss rate: 55.88%
```

## Run 5: Report of Copa — Data Link

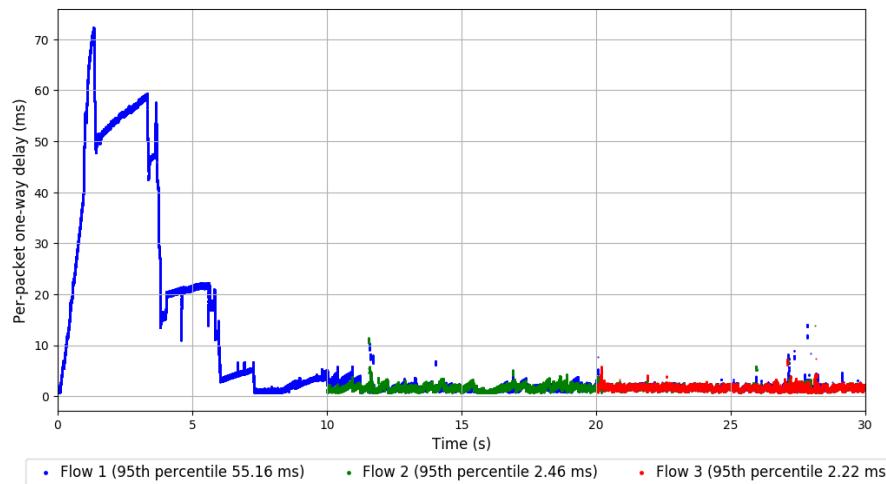
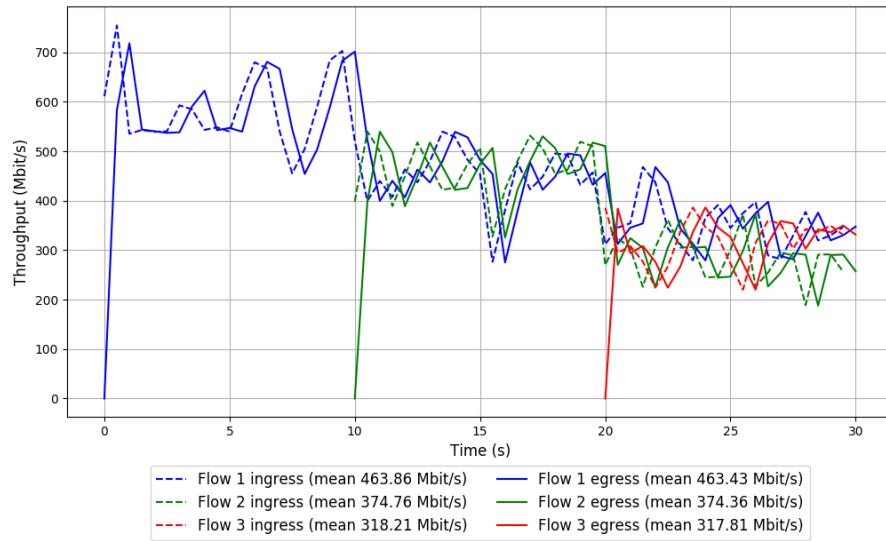


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-11-24 07:22:56
End at: 2019-11-24 07:23:26
Local clock offset: 3.815 ms
Remote clock offset: 0.463 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 818.43 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 463.43 Mbit/s
95th percentile per-packet one-way delay: 55.163 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 374.36 Mbit/s
95th percentile per-packet one-way delay: 2.458 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 317.81 Mbit/s
95th percentile per-packet one-way delay: 2.221 ms
Loss rate: 0.13%
```

Run 1: Report of TCP Cubic — Data Link

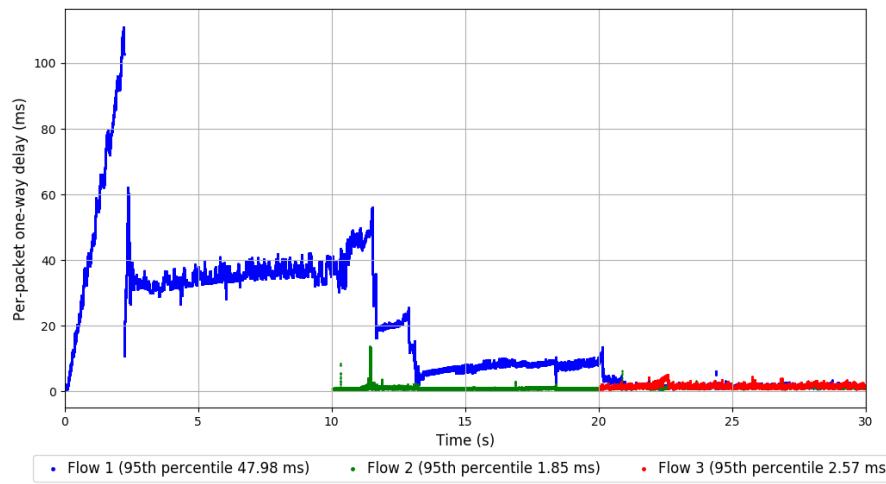
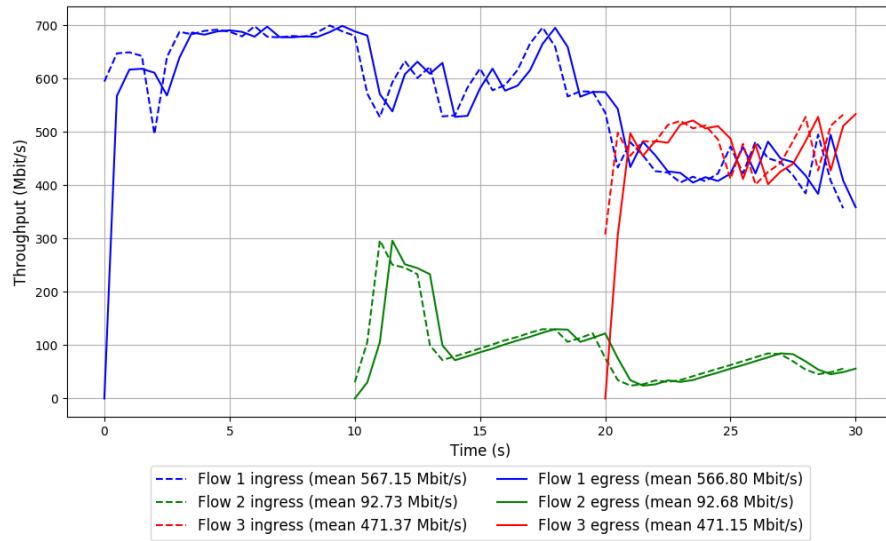


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-24 07:58:09
End at: 2019-11-24 07:58:39
Local clock offset: 4.519 ms
Remote clock offset: 1.277 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.20 Mbit/s
95th percentile per-packet one-way delay: 44.788 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 566.80 Mbit/s
95th percentile per-packet one-way delay: 47.985 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 1.846 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 471.15 Mbit/s
95th percentile per-packet one-way delay: 2.572 ms
Loss rate: 0.04%
```

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

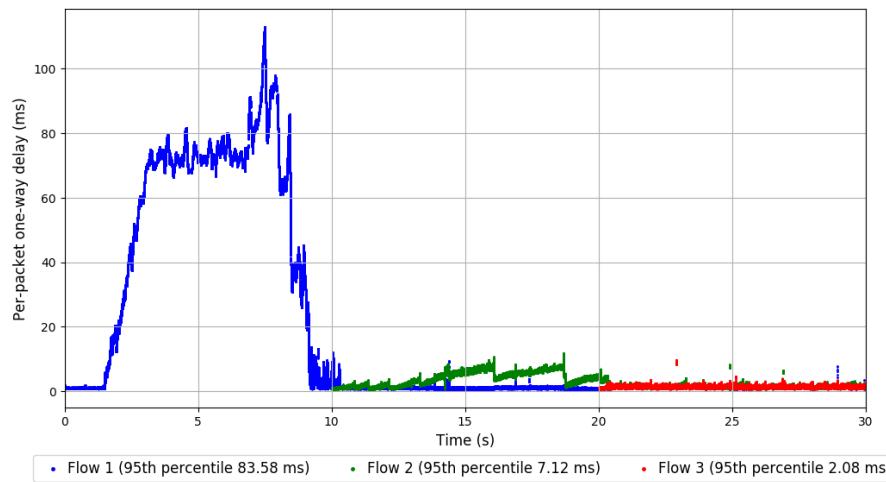
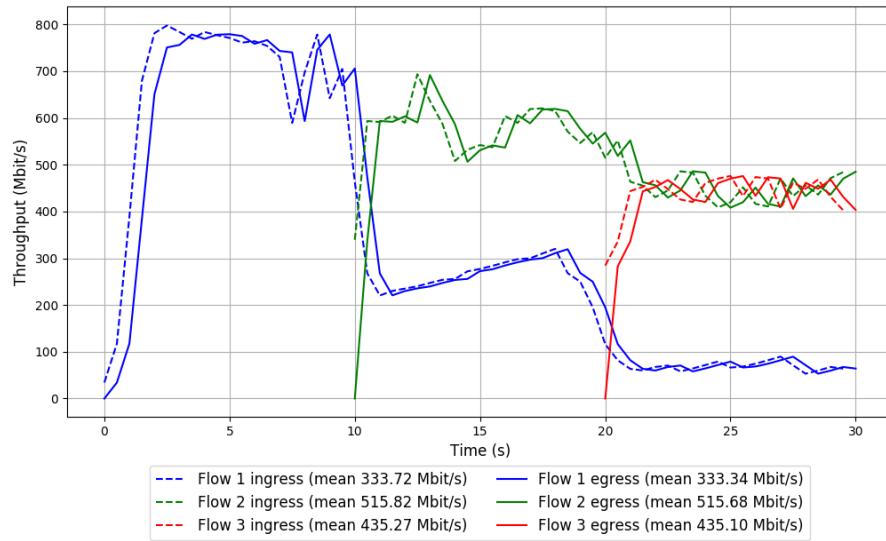


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-24 08:33:14
End at: 2019-11-24 08:33:44
Local clock offset: 3.548 ms
Remote clock offset: 1.553 ms

# Below is generated by plot.py at 2019-11-24 10:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 821.63 Mbit/s
95th percentile per-packet one-way delay: 75.474 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 333.34 Mbit/s
95th percentile per-packet one-way delay: 83.577 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 515.68 Mbit/s
95th percentile per-packet one-way delay: 7.123 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 435.10 Mbit/s
95th percentile per-packet one-way delay: 2.082 ms
Loss rate: 0.03%
```

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

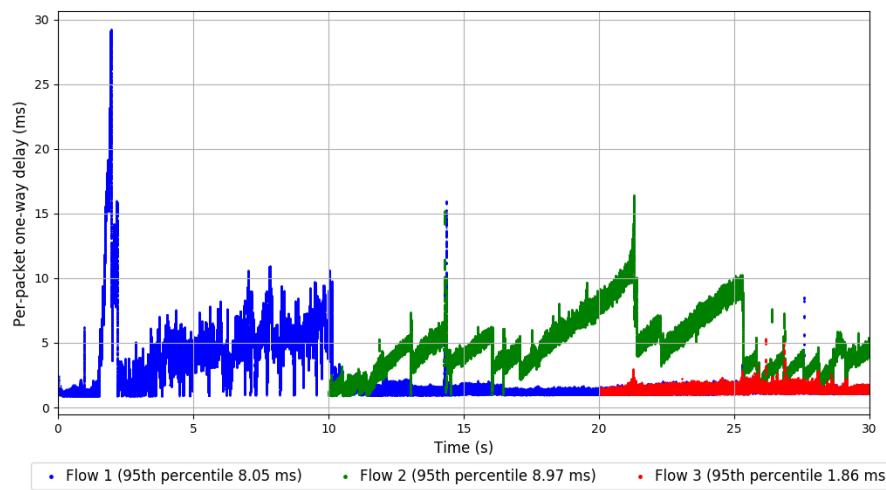
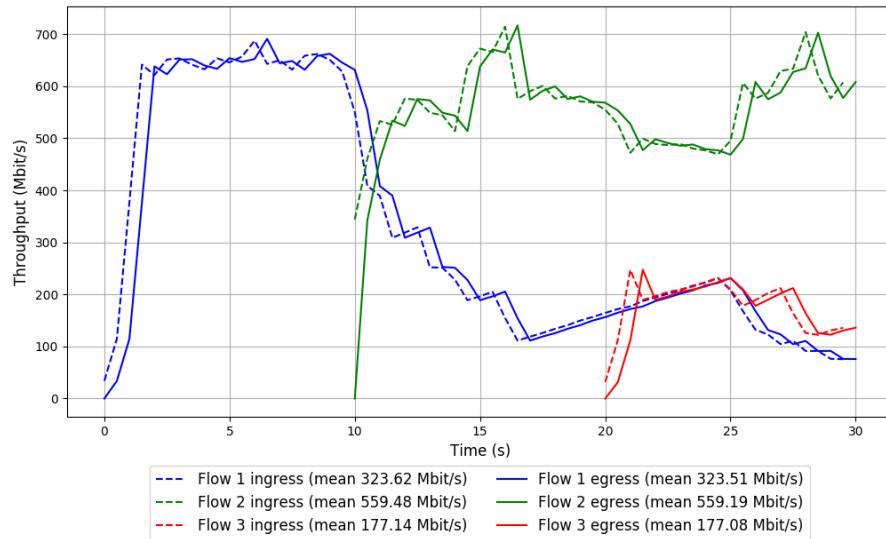


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-24 09:08:56
End at: 2019-11-24 09:09:26
Local clock offset: 3.268 ms
Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2019-11-24 10:38:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 754.95 Mbit/s
95th percentile per-packet one-way delay: 8.668 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 323.51 Mbit/s
95th percentile per-packet one-way delay: 8.054 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 559.19 Mbit/s
95th percentile per-packet one-way delay: 8.969 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 177.08 Mbit/s
95th percentile per-packet one-way delay: 1.857 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Cubic — Data Link

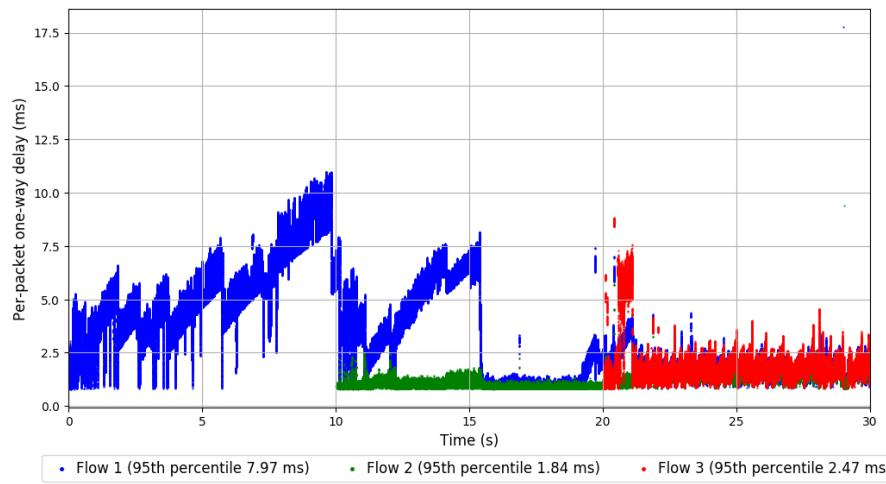
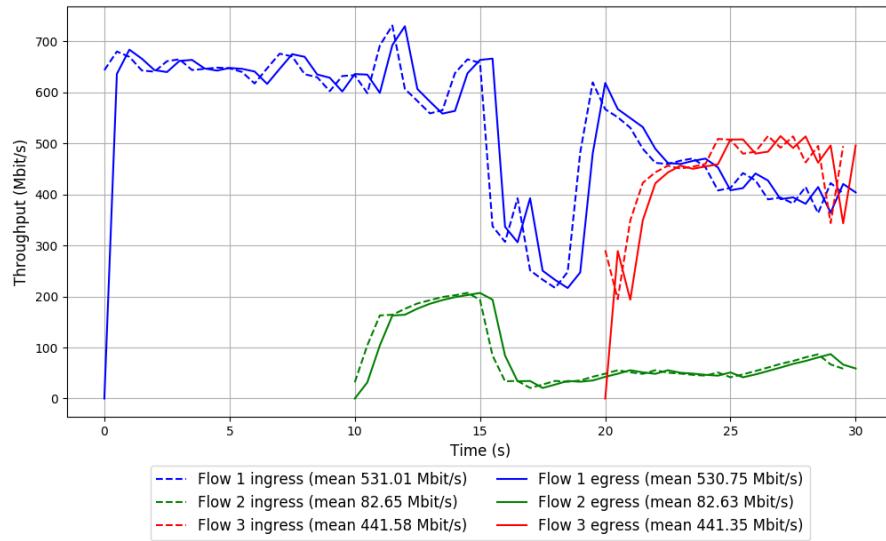


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-24 09:44:03
End at: 2019-11-24 09:44:33
Local clock offset: 2.917 ms
Remote clock offset: -5.429 ms

# Below is generated by plot.py at 2019-11-24 10:38:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 732.70 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 530.75 Mbit/s
95th percentile per-packet one-way delay: 7.968 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 1.839 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 441.35 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.04%
```

Run 5: Report of TCP Cubic — Data Link

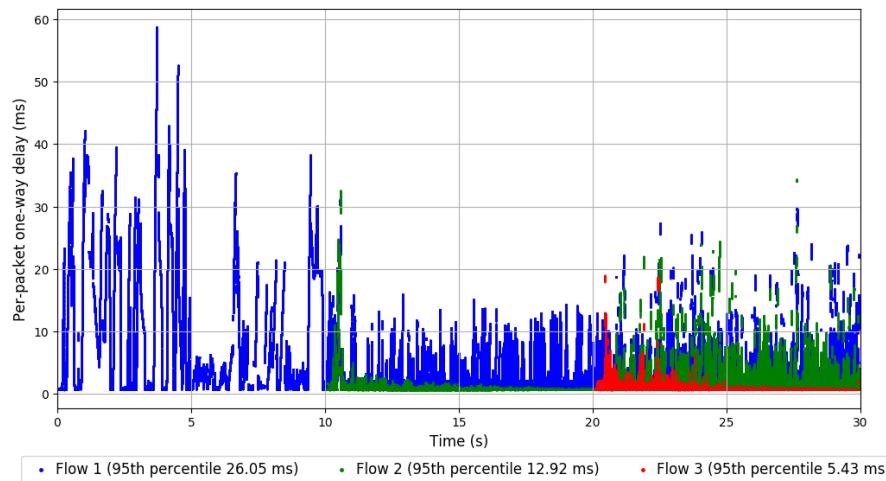
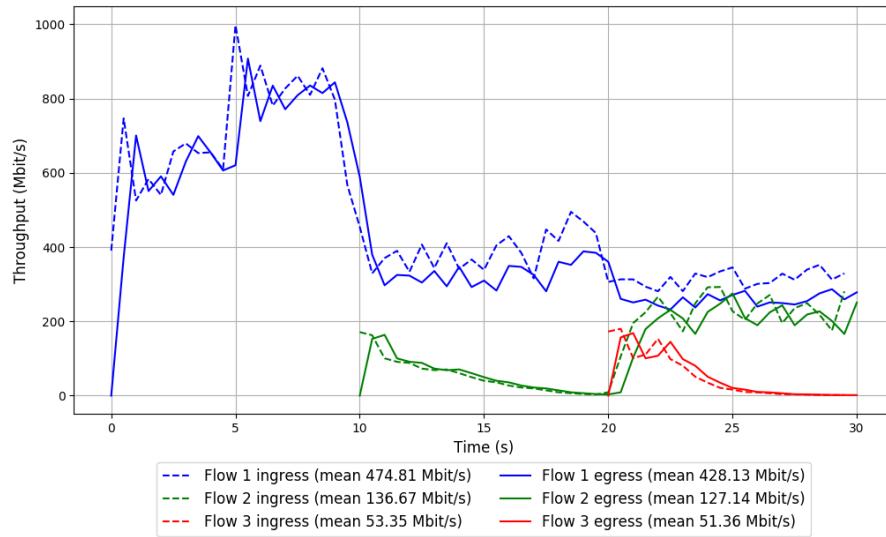


```
Run 1: Statistics of FillP

Start at: 2019-11-24 07:34:46
End at: 2019-11-24 07:35:16
Local clock offset: 4.337 ms
Remote clock offset: 1.135 ms

# Below is generated by plot.py at 2019-11-24 10:38:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.79 Mbit/s
95th percentile per-packet one-way delay: 24.571 ms
Loss rate: 9.19%
-- Flow 1:
Average throughput: 428.13 Mbit/s
95th percentile per-packet one-way delay: 26.054 ms
Loss rate: 9.82%
-- Flow 2:
Average throughput: 127.14 Mbit/s
95th percentile per-packet one-way delay: 12.922 ms
Loss rate: 6.97%
-- Flow 3:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 5.431 ms
Loss rate: 3.72%
```

## Run 1: Report of FillP — Data Link

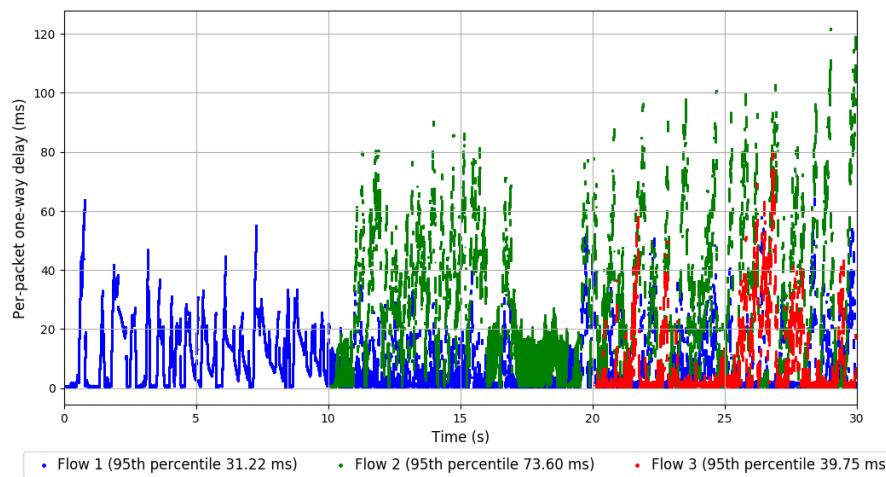
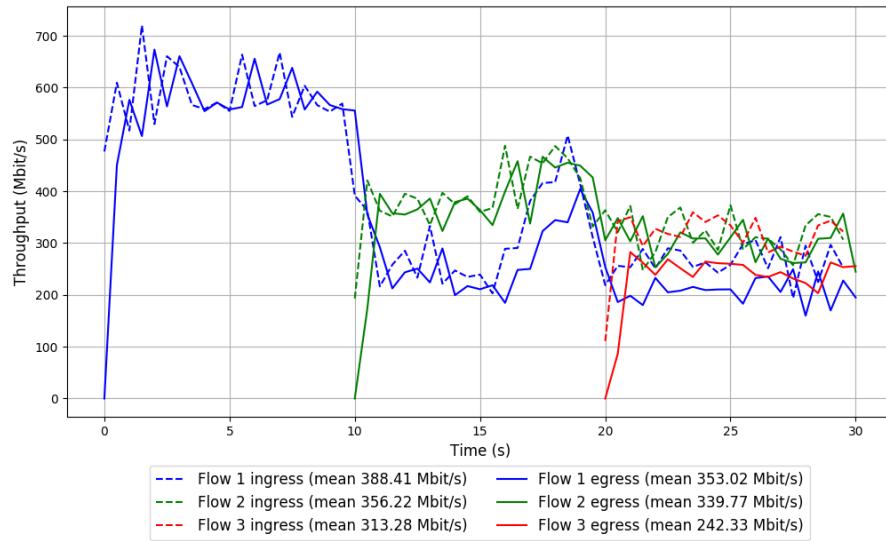


Run 2: Statistics of FillP

```
Start at: 2019-11-24 08:09:43
End at: 2019-11-24 08:10:13
Local clock offset: 4.661 ms
Remote clock offset: 0.385 ms

# Below is generated by plot.py at 2019-11-24 10:40:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.36 Mbit/s
95th percentile per-packet one-way delay: 58.128 ms
Loss rate: 9.57%
-- Flow 1:
Average throughput: 353.02 Mbit/s
95th percentile per-packet one-way delay: 31.217 ms
Loss rate: 9.11%
-- Flow 2:
Average throughput: 339.77 Mbit/s
95th percentile per-packet one-way delay: 73.597 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 242.33 Mbit/s
95th percentile per-packet one-way delay: 39.750 ms
Loss rate: 22.66%
```

## Run 2: Report of FillP — Data Link

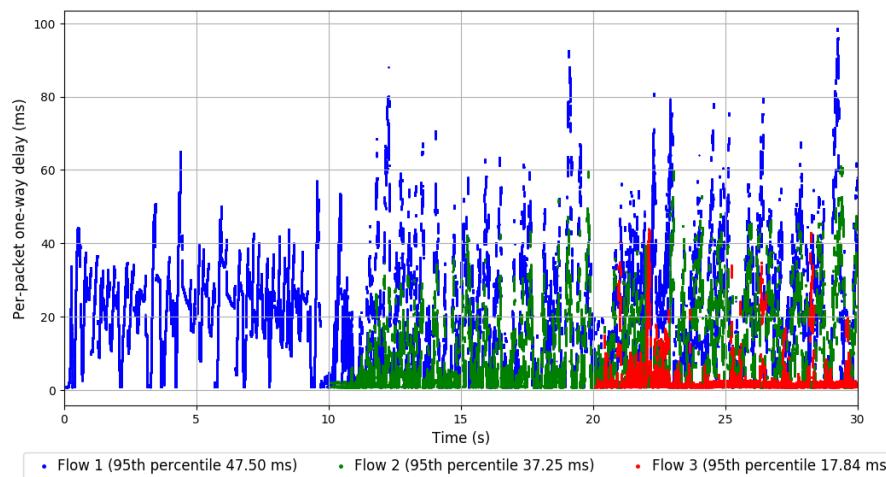
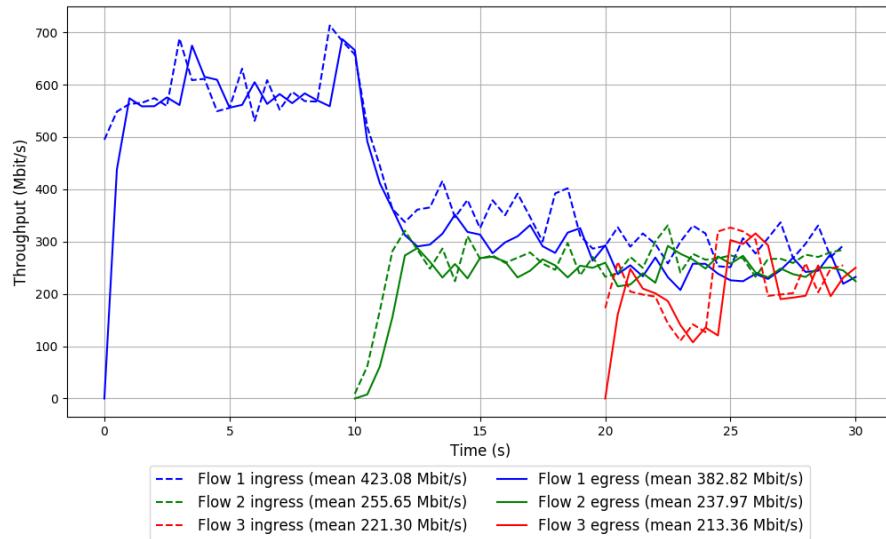


Run 3: Statistics of FillP

```
Start at: 2019-11-24 08:45:01
End at: 2019-11-24 08:45:31
Local clock offset: 3.427 ms
Remote clock offset: 3.122 ms

# Below is generated by plot.py at 2019-11-24 10:40:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 611.79 Mbit/s
95th percentile per-packet one-way delay: 43.650 ms
Loss rate: 8.18%
-- Flow 1:
Average throughput: 382.82 Mbit/s
95th percentile per-packet one-way delay: 47.503 ms
Loss rate: 9.48%
-- Flow 2:
Average throughput: 237.97 Mbit/s
95th percentile per-packet one-way delay: 37.251 ms
Loss rate: 6.92%
-- Flow 3:
Average throughput: 213.36 Mbit/s
95th percentile per-packet one-way delay: 17.839 ms
Loss rate: 3.59%
```

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

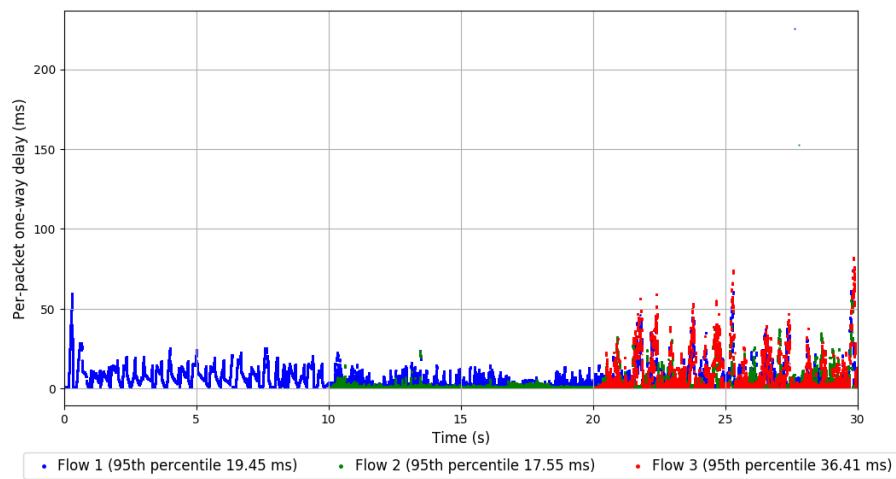
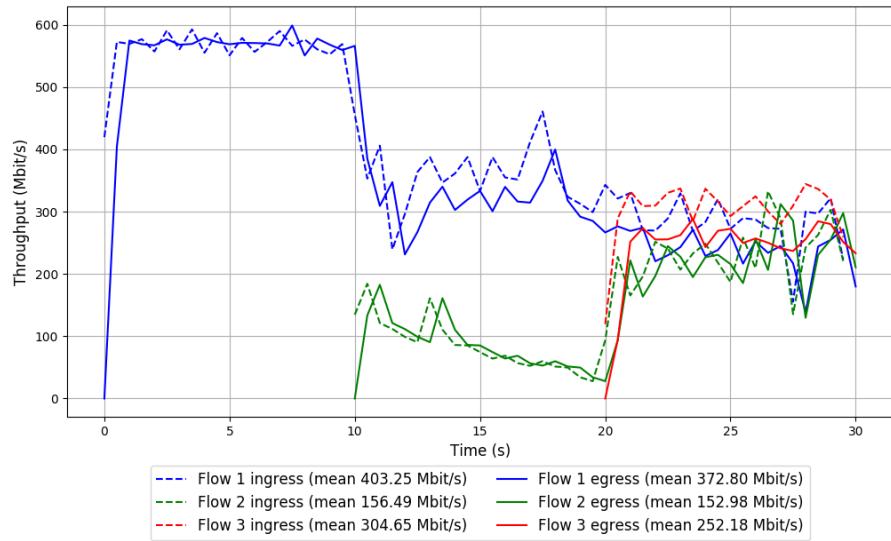


Run 4: Statistics of FillP

```
Start at: 2019-11-24 09:20:36
End at: 2019-11-24 09:21:06
Local clock offset: 2.981 ms
Remote clock offset: -3.159 ms

# Below is generated by plot.py at 2019-11-24 10:40:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.16 Mbit/s
95th percentile per-packet one-way delay: 22.834 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 372.80 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 7.54%
-- Flow 2:
Average throughput: 152.98 Mbit/s
95th percentile per-packet one-way delay: 17.554 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 252.18 Mbit/s
95th percentile per-packet one-way delay: 36.410 ms
Loss rate: 17.14%
```

Run 4: Report of FillP — Data Link

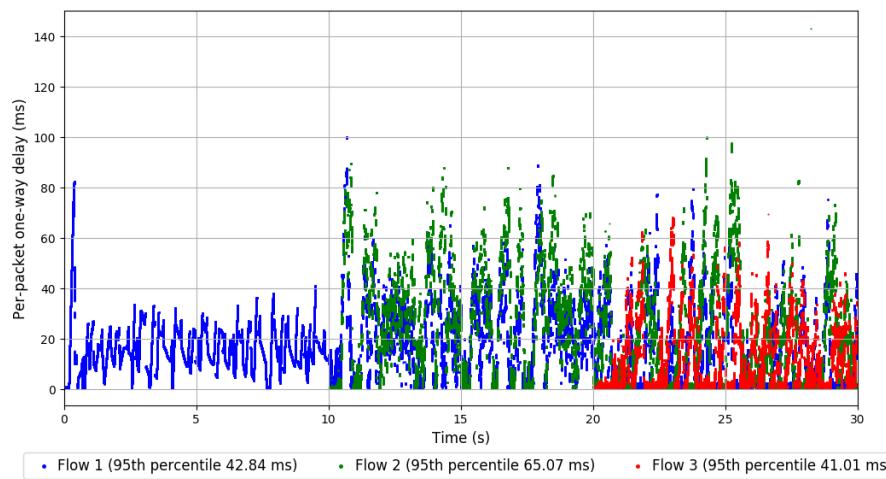
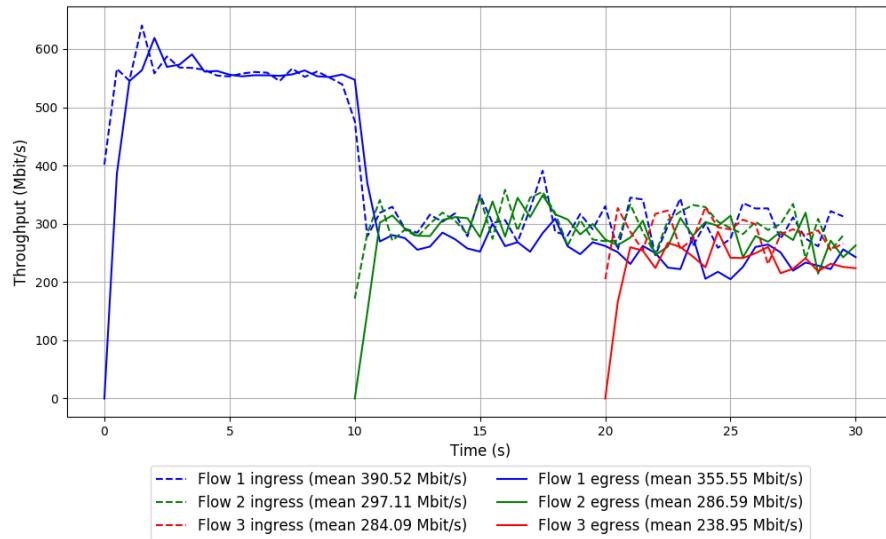


Run 5: Statistics of FillP

```
Start at: 2019-11-24 09:55:45
End at: 2019-11-24 09:56:15
Local clock offset: 3.032 ms
Remote clock offset: -6.278 ms

# Below is generated by plot.py at 2019-11-24 10:40:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 625.58 Mbit/s
95th percentile per-packet one-way delay: 54.236 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 355.55 Mbit/s
95th percentile per-packet one-way delay: 42.839 ms
Loss rate: 8.93%
-- Flow 2:
Average throughput: 286.59 Mbit/s
95th percentile per-packet one-way delay: 65.069 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 238.95 Mbit/s
95th percentile per-packet one-way delay: 41.009 ms
Loss rate: 15.88%
```

## Run 5: Report of FillP — Data Link

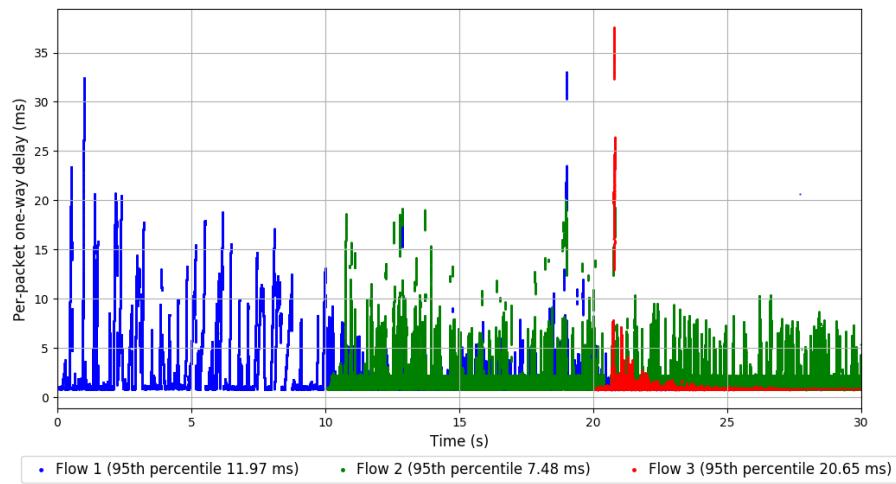
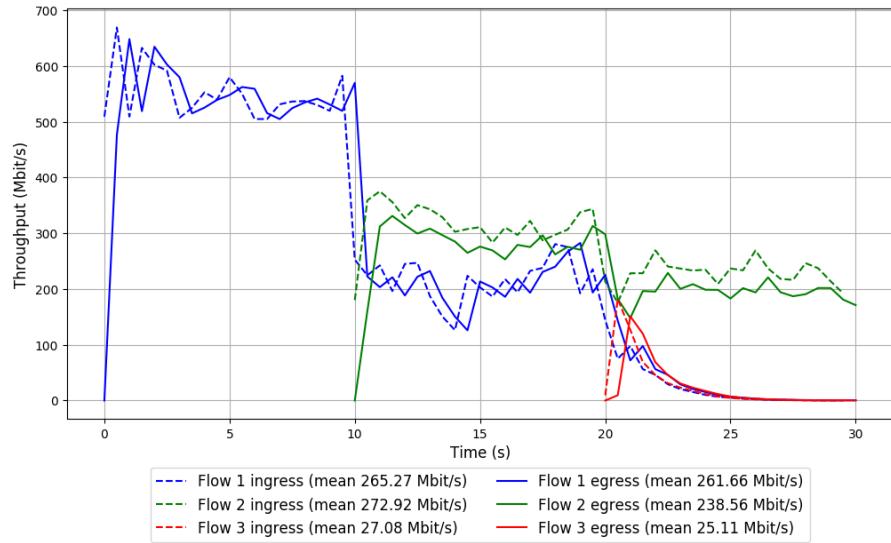


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-11-24 07:39:19
End at: 2019-11-24 07:39:49
Local clock offset: 4.47 ms
Remote clock offset: 1.422 ms

# Below is generated by plot.py at 2019-11-24 10:40:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.64 Mbit/s
95th percentile per-packet one-way delay: 10.804 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 261.66 Mbit/s
95th percentile per-packet one-way delay: 11.969 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 238.56 Mbit/s
95th percentile per-packet one-way delay: 7.479 ms
Loss rate: 12.59%
-- Flow 3:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 7.28%
```

Run 1: Report of FillP-Sheep — Data Link

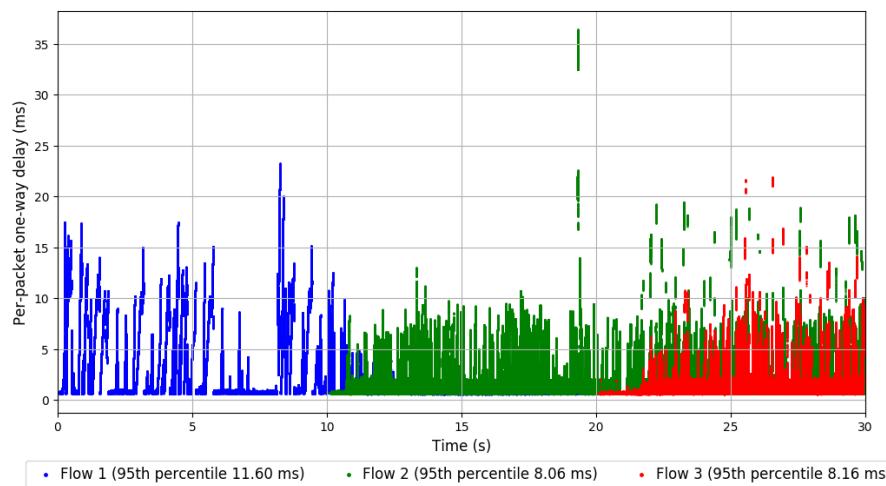
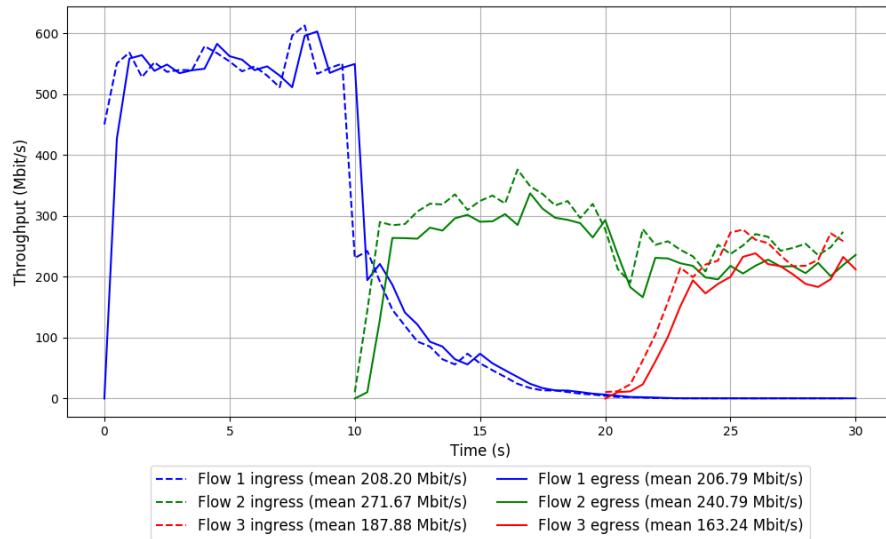


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-24 08:14:15
End at: 2019-11-24 08:14:45
Local clock offset: 4.147 ms
Remote clock offset: 0.257 ms

# Below is generated by plot.py at 2019-11-24 10:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.13 Mbit/s
95th percentile per-packet one-way delay: 10.524 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 206.79 Mbit/s
95th percentile per-packet one-way delay: 11.599 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 240.79 Mbit/s
95th percentile per-packet one-way delay: 8.058 ms
Loss rate: 11.36%
-- Flow 3:
Average throughput: 163.24 Mbit/s
95th percentile per-packet one-way delay: 8.156 ms
Loss rate: 13.07%
```

Run 2: Report of FillP-Sheep — Data Link

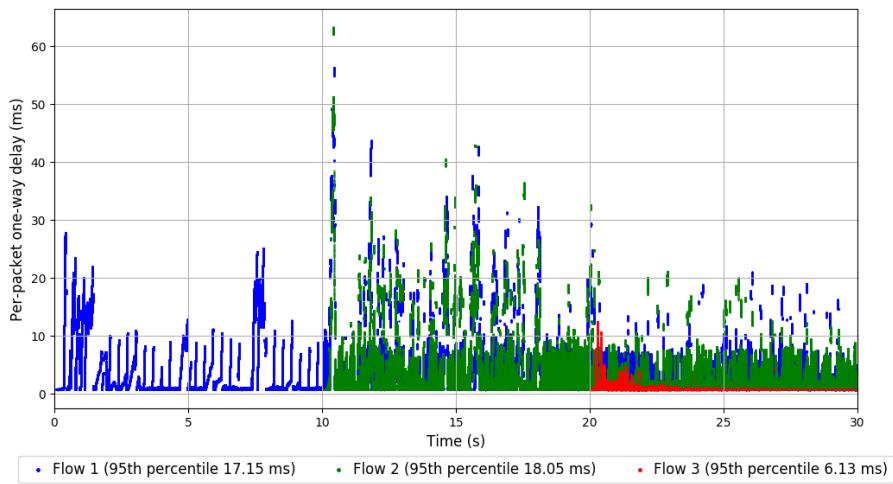
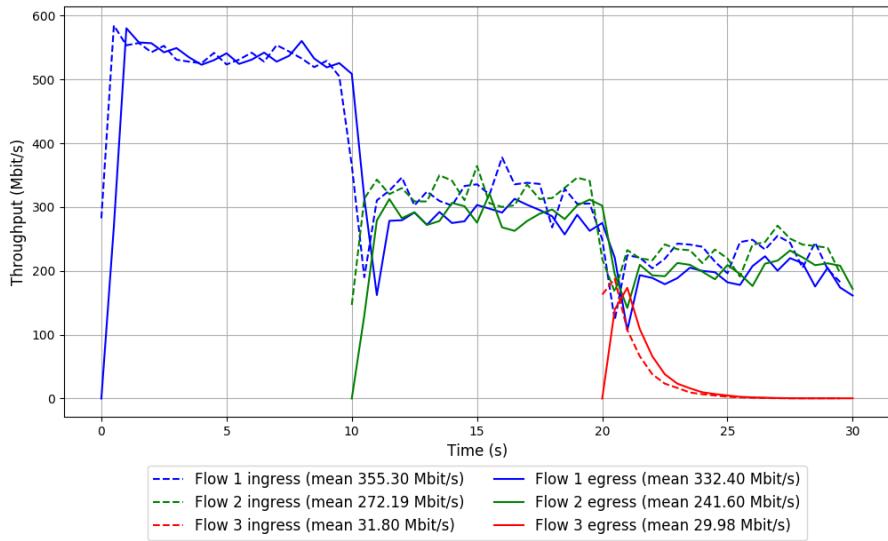


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-24 08:49:34
End at: 2019-11-24 08:50:04
Local clock offset: 3.379 ms
Remote clock offset: 3.401 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 503.19 Mbit/s
95th percentile per-packet one-way delay: 17.339 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 332.40 Mbit/s
95th percentile per-packet one-way delay: 17.154 ms
Loss rate: 6.45%
-- Flow 2:
Average throughput: 241.60 Mbit/s
95th percentile per-packet one-way delay: 18.052 ms
Loss rate: 11.24%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 6.129 ms
Loss rate: 5.73%
```

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

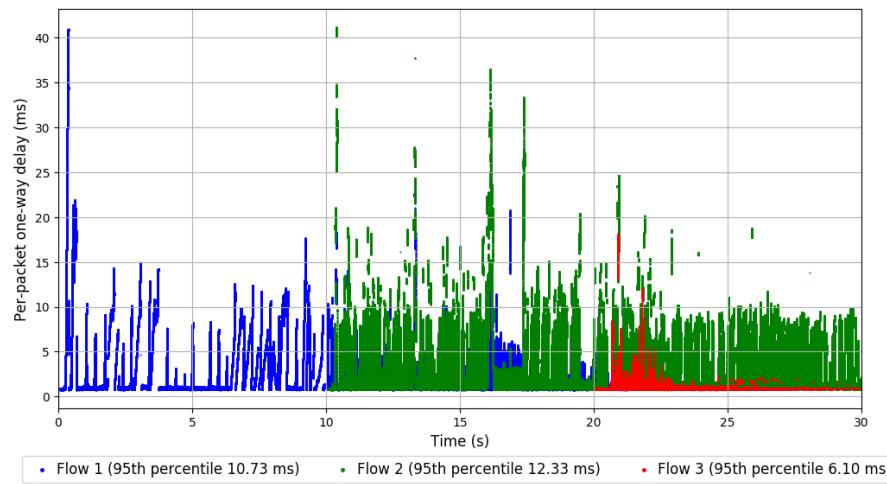
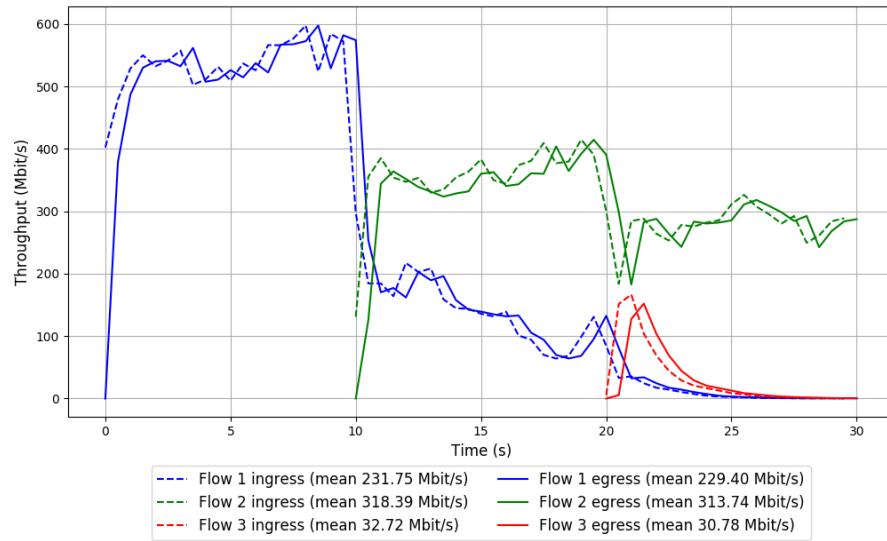


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-24 09:25:07
End at: 2019-11-24 09:25:37
Local clock offset: 2.954 ms
Remote clock offset: -3.766 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.26 Mbit/s
95th percentile per-packet one-way delay: 11.418 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 229.40 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 313.74 Mbit/s
95th percentile per-packet one-way delay: 12.326 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 6.104 ms
Loss rate: 5.95%
```

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

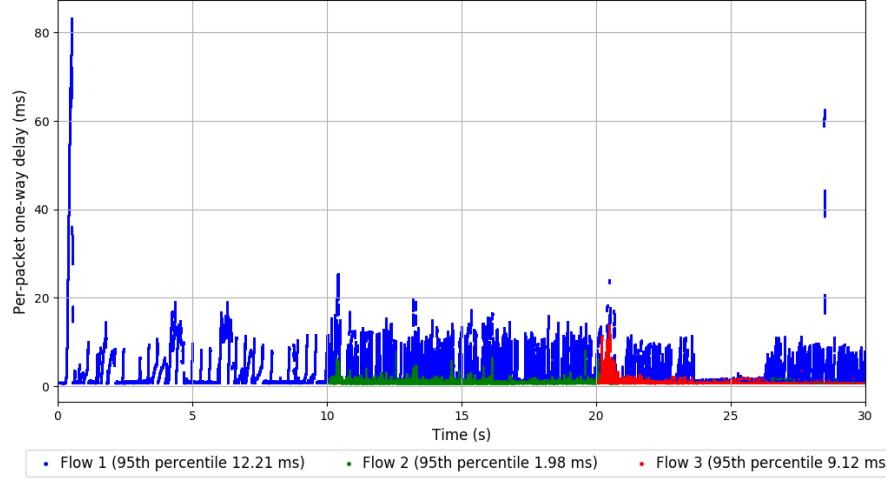
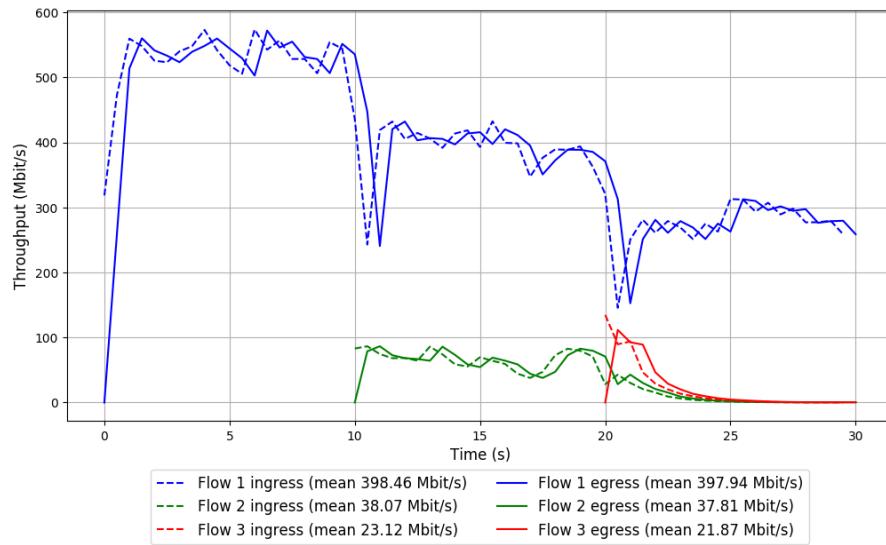


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-24 10:00:29
End at: 2019-11-24 10:00:59
Local clock offset: 3.047 ms
Remote clock offset: -6.601 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.31 Mbit/s
95th percentile per-packet one-way delay: 12.029 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 397.94 Mbit/s
95th percentile per-packet one-way delay: 12.209 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 1.984 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 9.115 ms
Loss rate: 5.43%
```

Run 5: Report of FillP-Sheep — Data Link

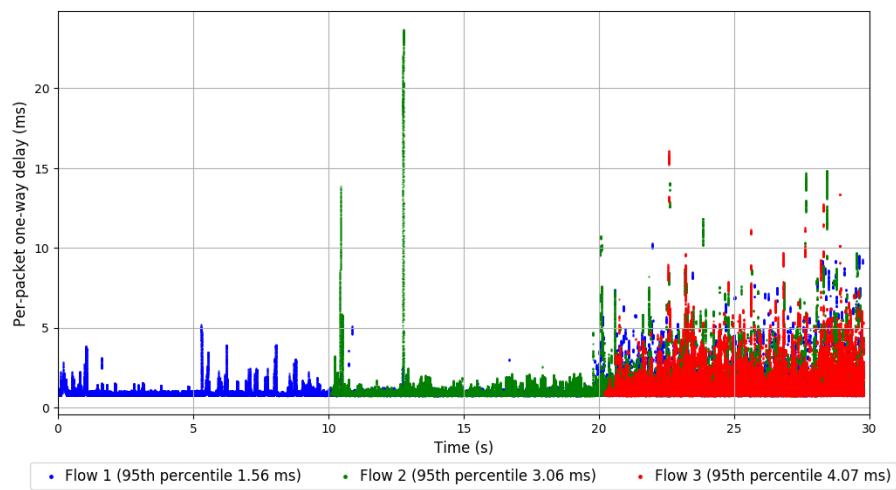
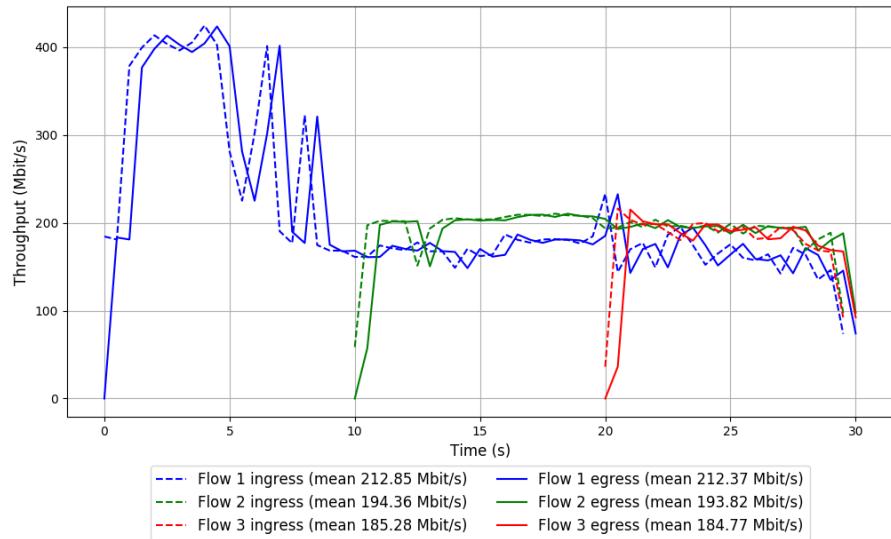


Run 1: Statistics of Indigo

```
Start at: 2019-11-24 07:21:24
End at: 2019-11-24 07:21:54
Local clock offset: 3.699 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.02 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 1.561 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 193.82 Mbit/s
95th percentile per-packet one-way delay: 3.062 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 184.77 Mbit/s
95th percentile per-packet one-way delay: 4.070 ms
Loss rate: 0.26%
```

## Run 1: Report of Indigo — Data Link

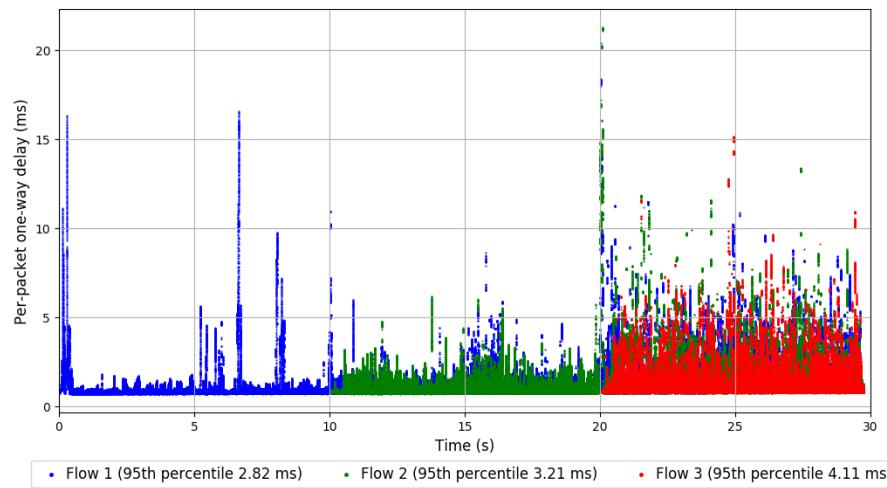
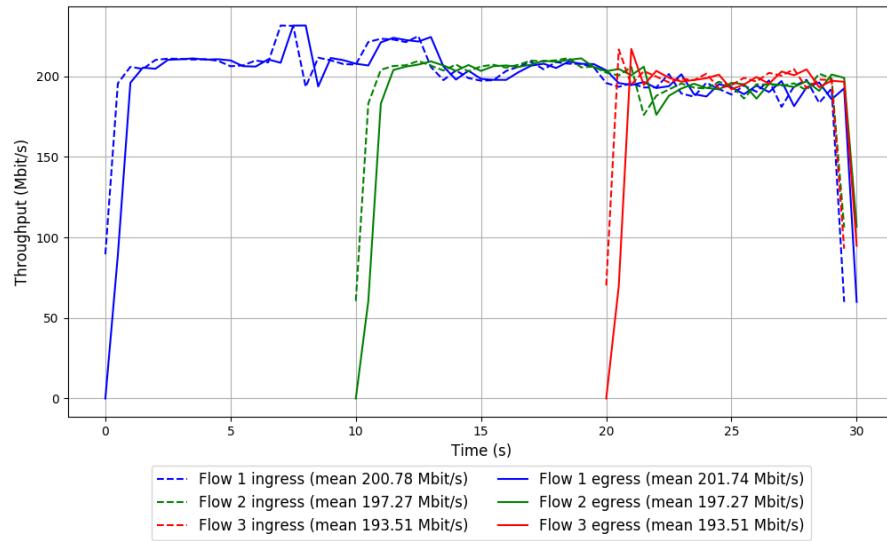


Run 2: Statistics of Indigo

```
Start at: 2019-11-24 07:56:38
End at: 2019-11-24 07:57:08
Local clock offset: 4.506 ms
Remote clock offset: 1.509 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.49 Mbit/s
95th percentile per-packet one-way delay: 3.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.74 Mbit/s
95th percentile per-packet one-way delay: 2.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.27 Mbit/s
95th percentile per-packet one-way delay: 3.208 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 193.51 Mbit/s
95th percentile per-packet one-way delay: 4.107 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

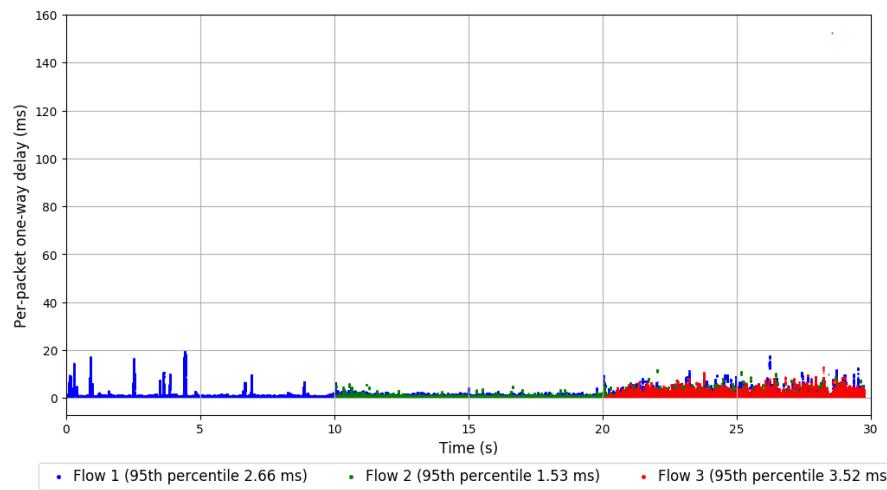
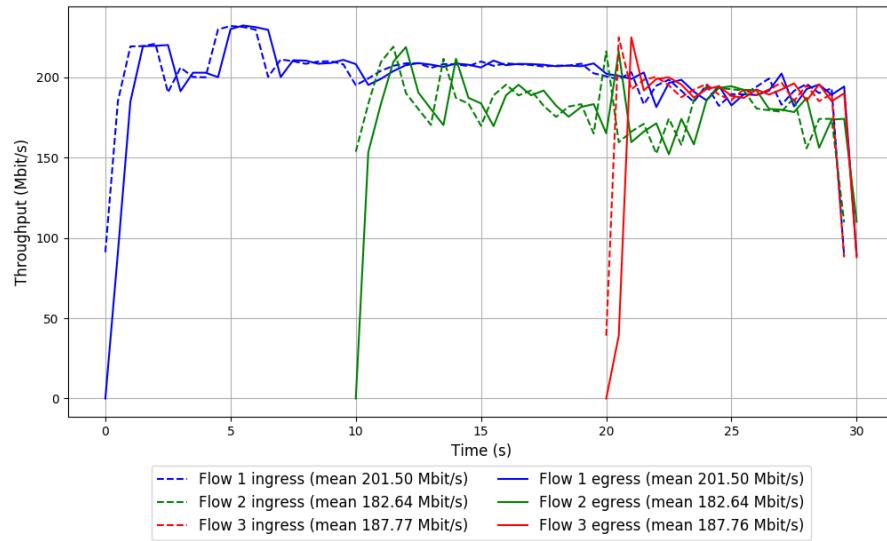


Run 3: Statistics of Indigo

```
Start at: 2019-11-24 08:31:43
End at: 2019-11-24 08:32:13
Local clock offset: 3.555 ms
Remote clock offset: 1.139 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.38 Mbit/s
95th percentile per-packet one-way delay: 2.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.50 Mbit/s
95th percentile per-packet one-way delay: 2.656 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.64 Mbit/s
95th percentile per-packet one-way delay: 1.535 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.76 Mbit/s
95th percentile per-packet one-way delay: 3.519 ms
Loss rate: 0.00%
```

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

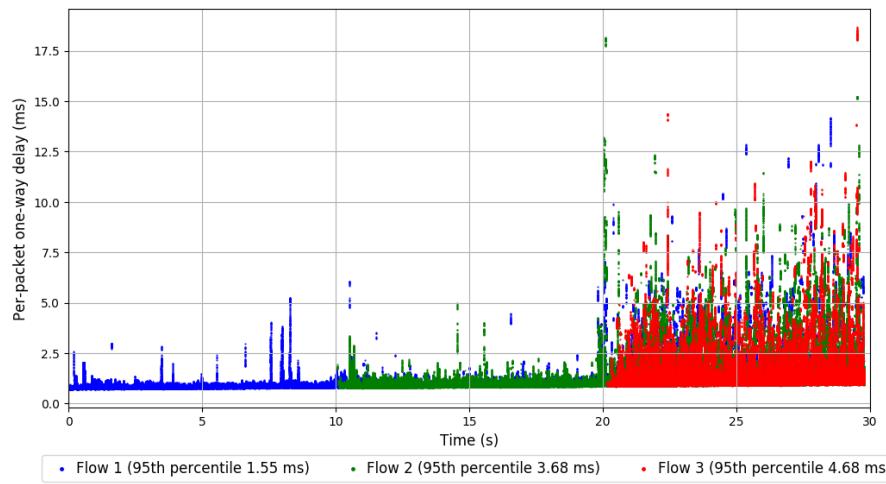
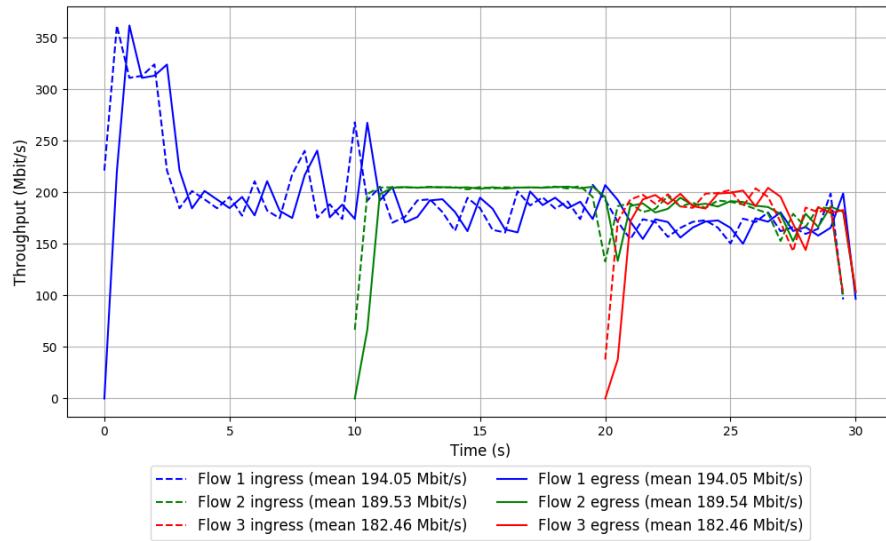


Run 4: Statistics of Indigo

```
Start at: 2019-11-24 09:07:25
End at: 2019-11-24 09:07:55
Local clock offset: 3.287 ms
Remote clock offset: 0.679 ms

# Below is generated by plot.py at 2019-11-24 10:45:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 378.48 Mbit/s
95th percentile per-packet one-way delay: 3.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.05 Mbit/s
95th percentile per-packet one-way delay: 1.549 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.54 Mbit/s
95th percentile per-packet one-way delay: 3.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.46 Mbit/s
95th percentile per-packet one-way delay: 4.683 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link

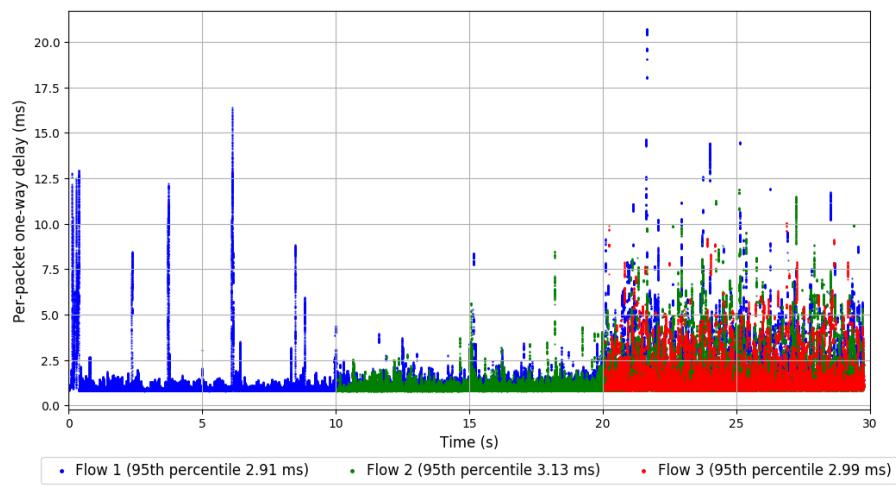
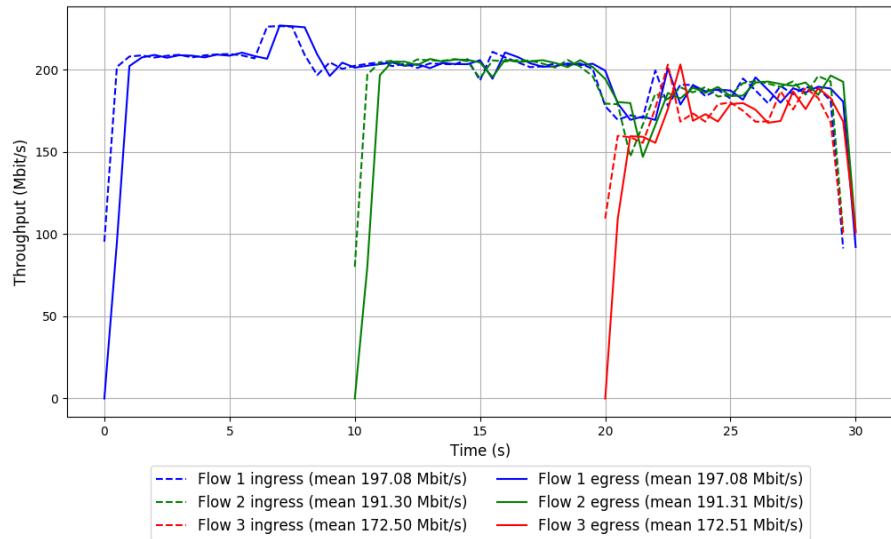


Run 5: Statistics of Indigo

```
Start at: 2019-11-24 09:42:32
End at: 2019-11-24 09:43:02
Local clock offset: 2.899 ms
Remote clock offset: -5.304 ms

# Below is generated by plot.py at 2019-11-24 10:47:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.07 Mbit/s
95th percentile per-packet one-way delay: 3.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.08 Mbit/s
95th percentile per-packet one-way delay: 2.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.31 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 172.51 Mbit/s
95th percentile per-packet one-way delay: 2.992 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link

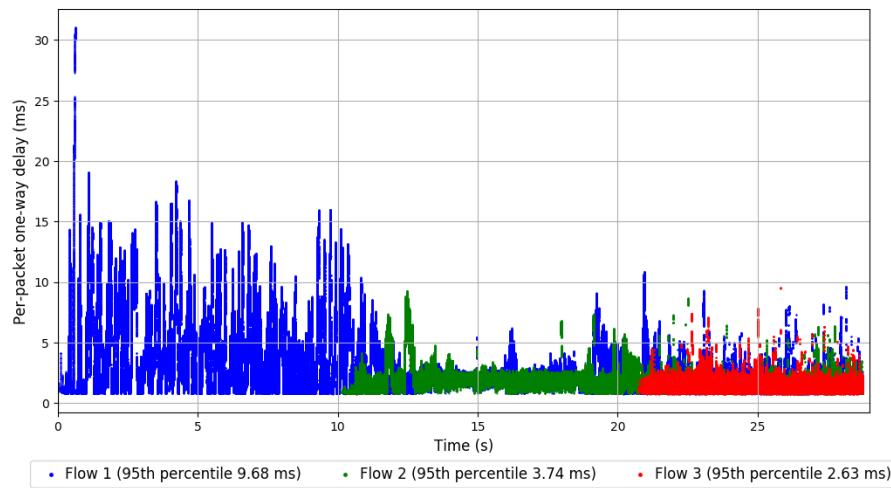
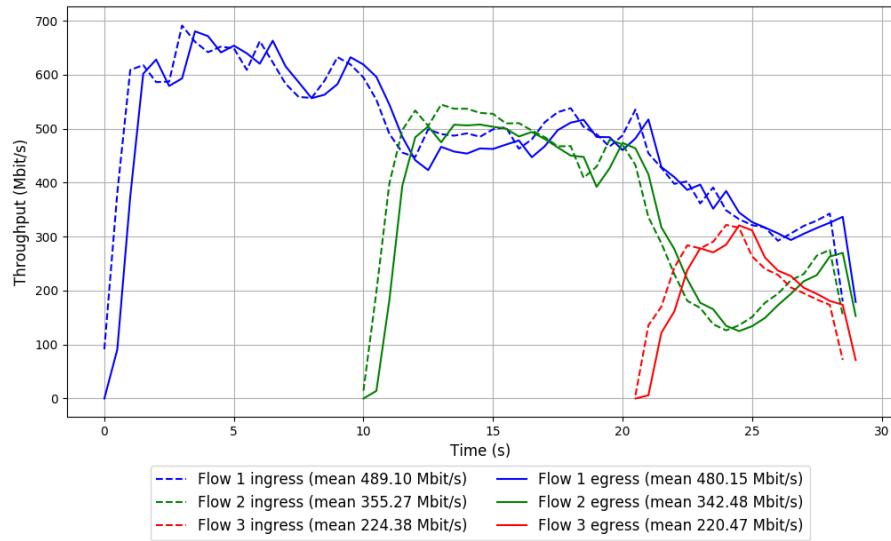


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 07:46:15
End at: 2019-11-24 07:46:45
Local clock offset: 4.424 ms
Remote clock offset: 1.729 ms

# Below is generated by plot.py at 2019-11-24 10:51:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.89 Mbit/s
95th percentile per-packet one-way delay: 8.002 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 480.15 Mbit/s
95th percentile per-packet one-way delay: 9.680 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 342.48 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 3.60%
-- Flow 3:
Average throughput: 220.47 Mbit/s
95th percentile per-packet one-way delay: 2.634 ms
Loss rate: 1.75%
```

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

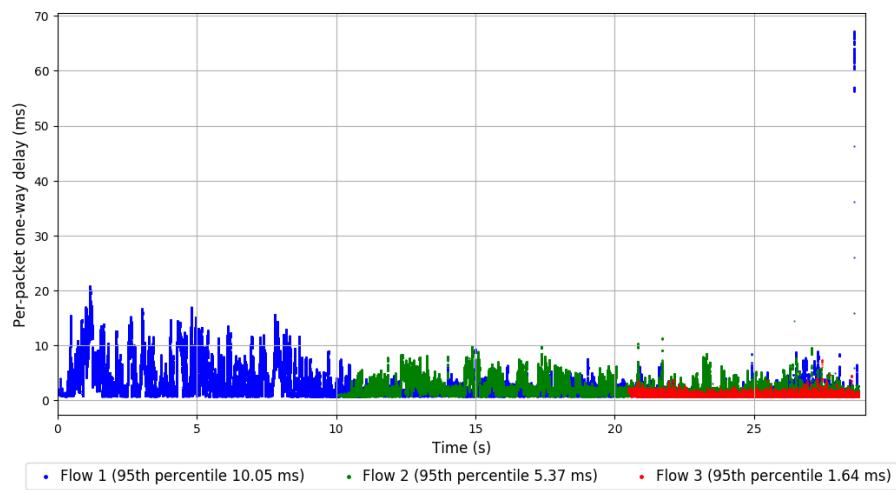
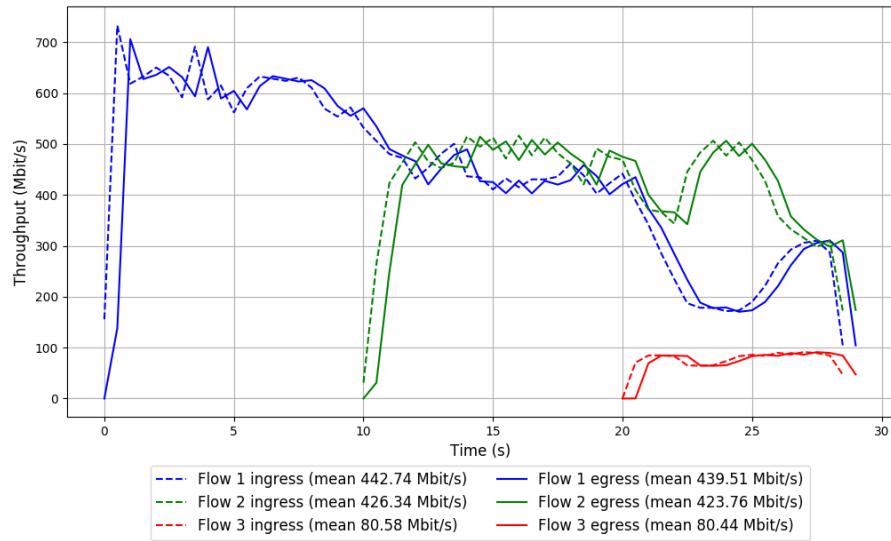


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 08:21:25
End at: 2019-11-24 08:21:55
Local clock offset: 3.733 ms
Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2019-11-24 10:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 738.34 Mbit/s
95th percentile per-packet one-way delay: 8.225 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 439.51 Mbit/s
95th percentile per-packet one-way delay: 10.055 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 423.76 Mbit/s
95th percentile per-packet one-way delay: 5.370 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 1.635 ms
Loss rate: 0.19%
```

Run 2: Report of Indigo-MusesC3 — Data Link

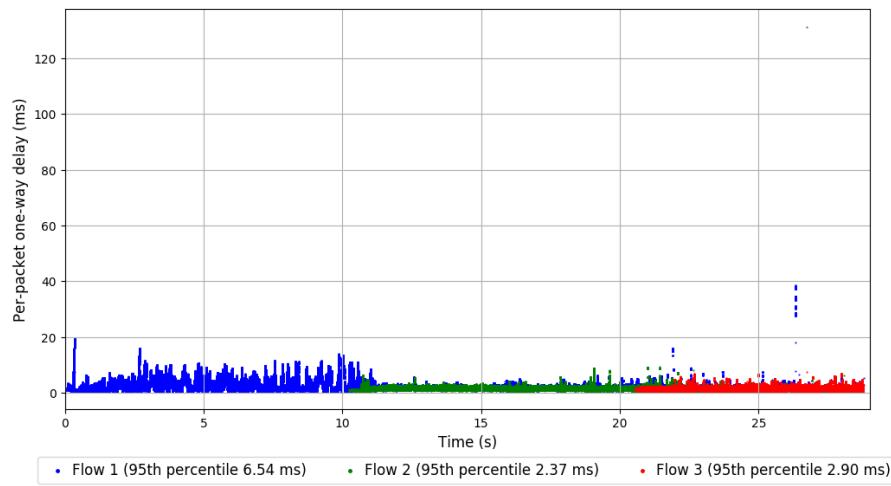
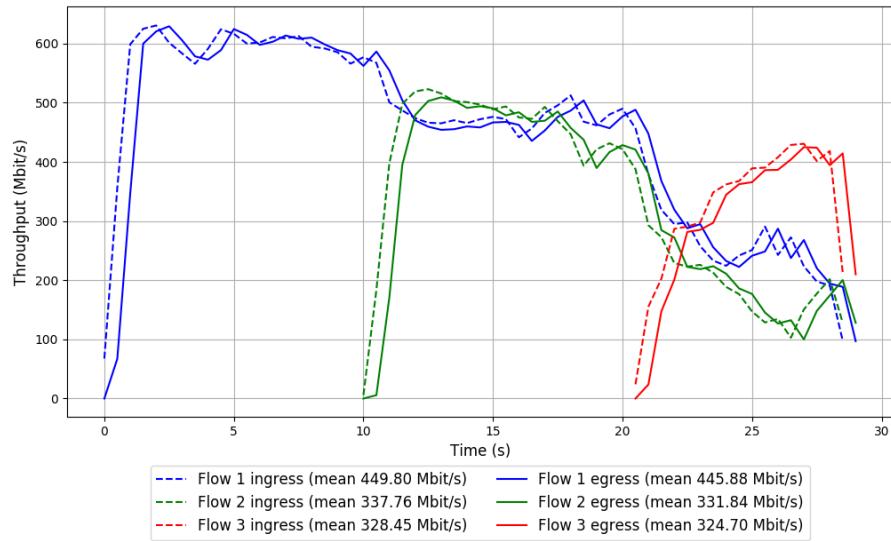


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 08:56:51
End at: 2019-11-24 08:57:21
Local clock offset: 3.351 ms
Remote clock offset: 3.771 ms

# Below is generated by plot.py at 2019-11-24 10:52:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 752.71 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 445.88 Mbit/s
95th percentile per-packet one-way delay: 6.544 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 331.84 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 324.70 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 1.13%
```

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

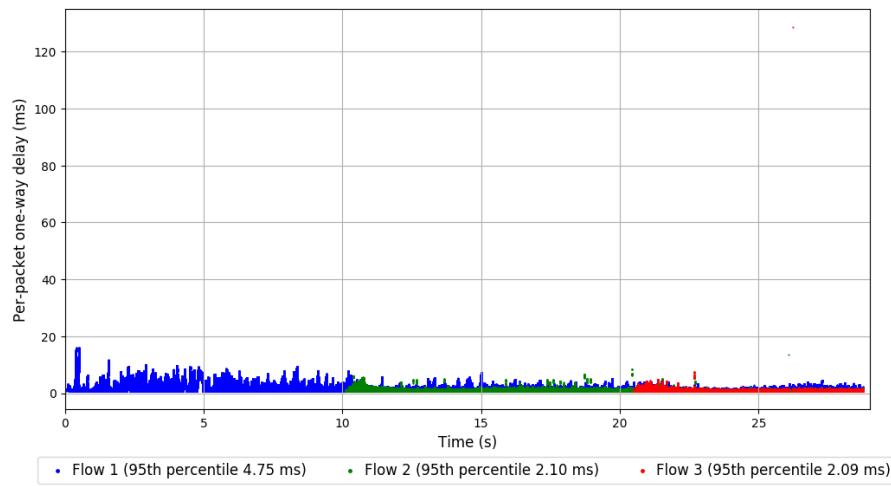
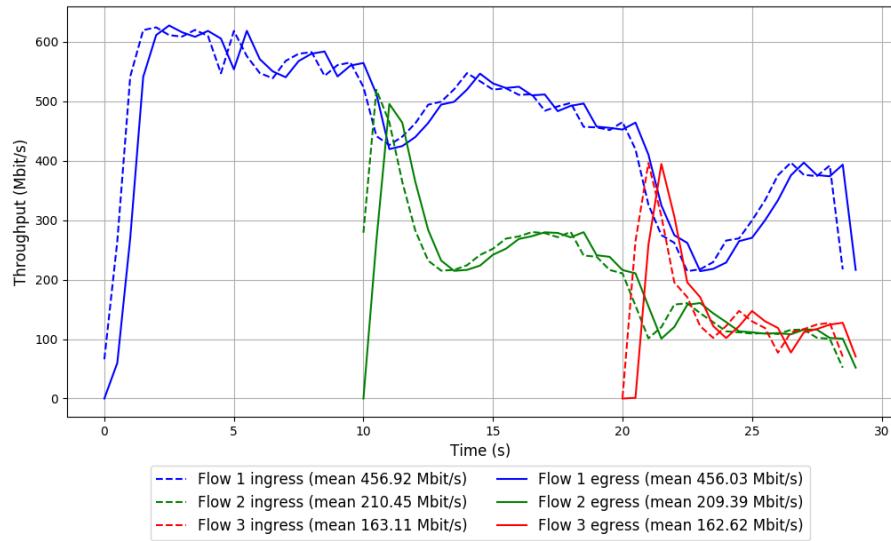


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 09:32:16
End at: 2019-11-24 09:32:46
Local clock offset: 2.898 ms
Remote clock offset: -4.534 ms

# Below is generated by plot.py at 2019-11-24 10:52:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 638.70 Mbit/s
95th percentile per-packet one-way delay: 4.181 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 456.03 Mbit/s
95th percentile per-packet one-way delay: 4.746 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 209.39 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.30%
```

Run 4: Report of Indigo-MusesC3 — Data Link

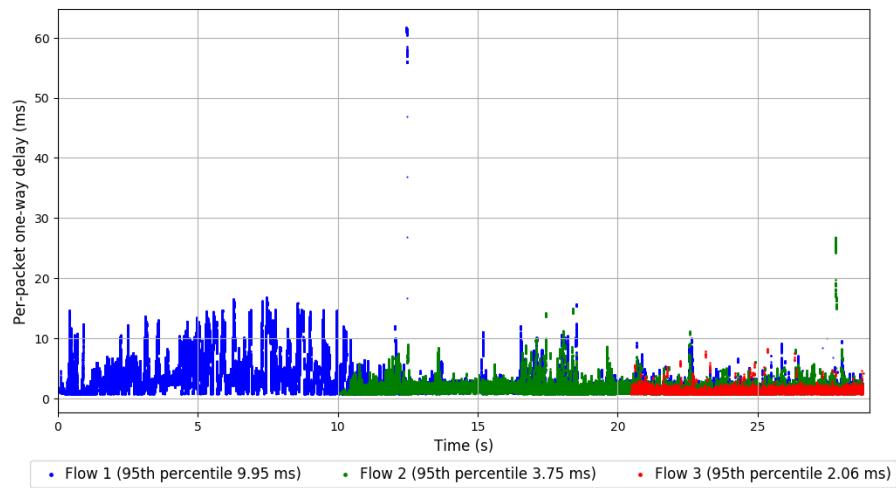
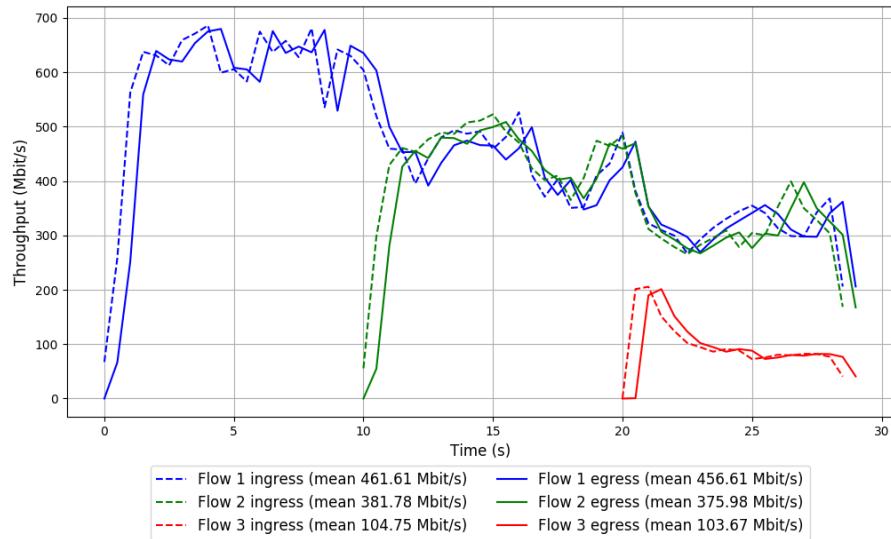


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 10:07:35
End at: 2019-11-24 10:08:05
Local clock offset: 3.003 ms
Remote clock offset: -7.105 ms

# Below is generated by plot.py at 2019-11-24 10:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 730.87 Mbit/s
95th percentile per-packet one-way delay: 8.081 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 456.61 Mbit/s
95th percentile per-packet one-way delay: 9.947 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 375.98 Mbit/s
95th percentile per-packet one-way delay: 3.755 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 103.67 Mbit/s
95th percentile per-packet one-way delay: 2.055 ms
Loss rate: 1.03%
```

Run 5: Report of Indigo-MusesC3 — Data Link

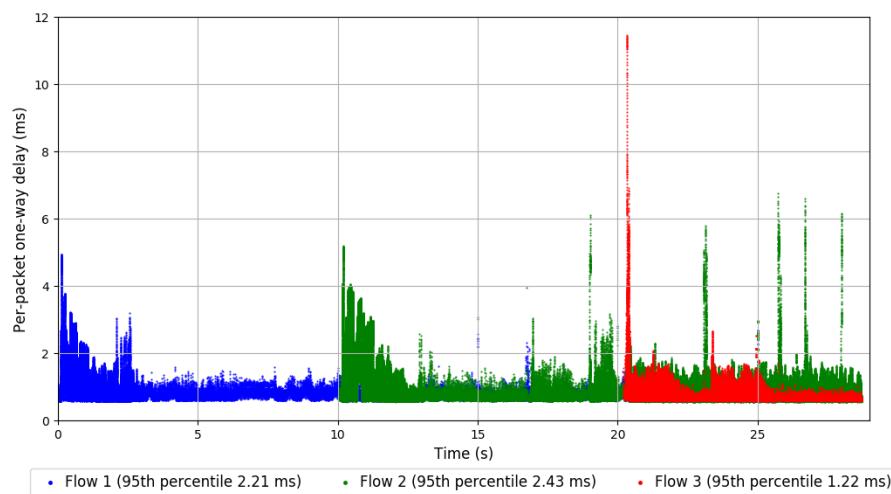
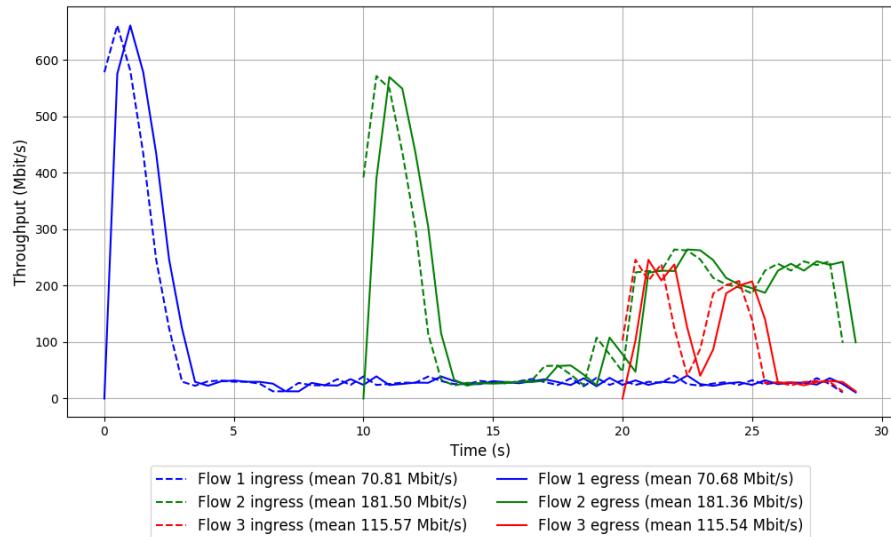


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 07:44:52
End at: 2019-11-24 07:45:22
Local clock offset: 4.455 ms
Remote clock offset: 1.515 ms

# Below is generated by plot.py at 2019-11-24 10:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.69 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 2.214 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 181.36 Mbit/s
95th percentile per-packet one-way delay: 2.426 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 115.54 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo-MusesC5 — Data Link

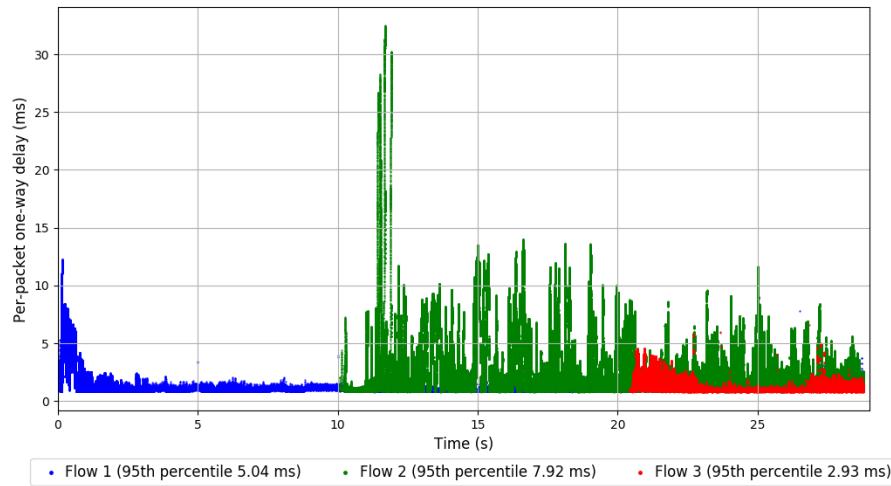
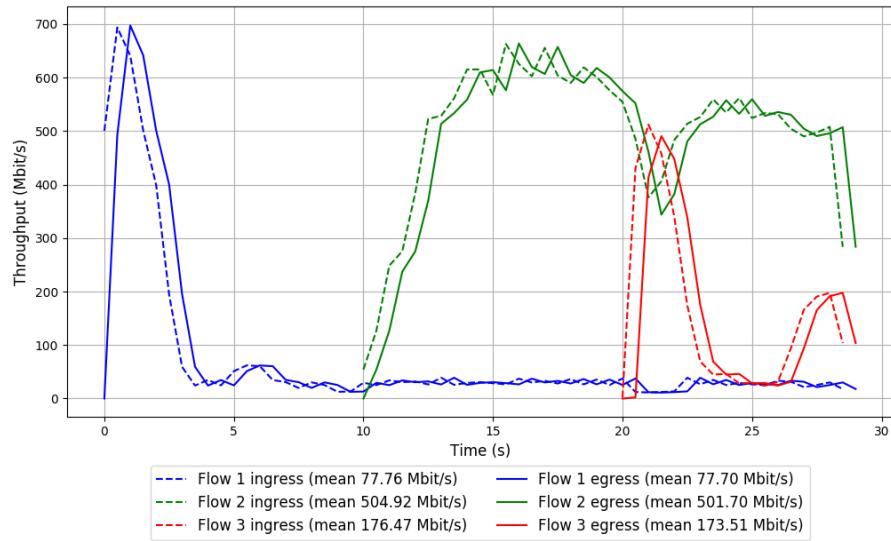


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 08:19:56
End at: 2019-11-24 08:20:26
Local clock offset: 3.815 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2019-11-24 10:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.51 Mbit/s
95th percentile per-packet one-way delay: 7.230 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 5.035 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 501.70 Mbit/s
95th percentile per-packet one-way delay: 7.925 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 173.51 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 1.67%
```

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

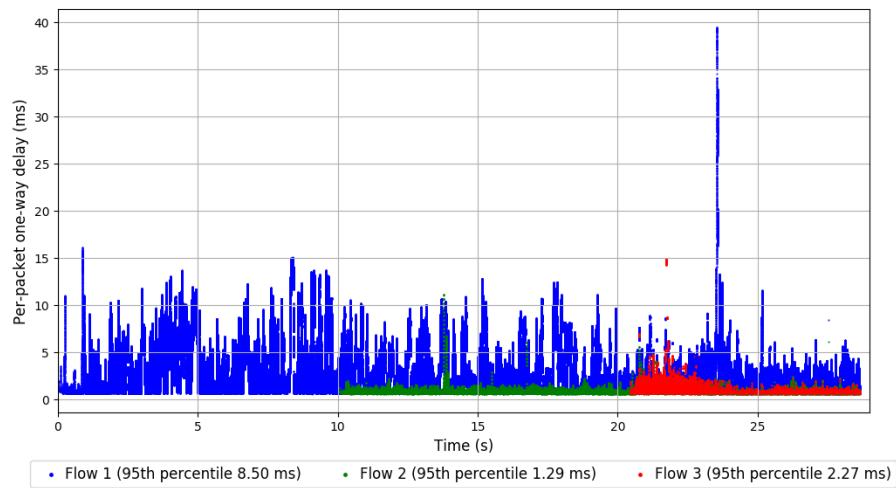
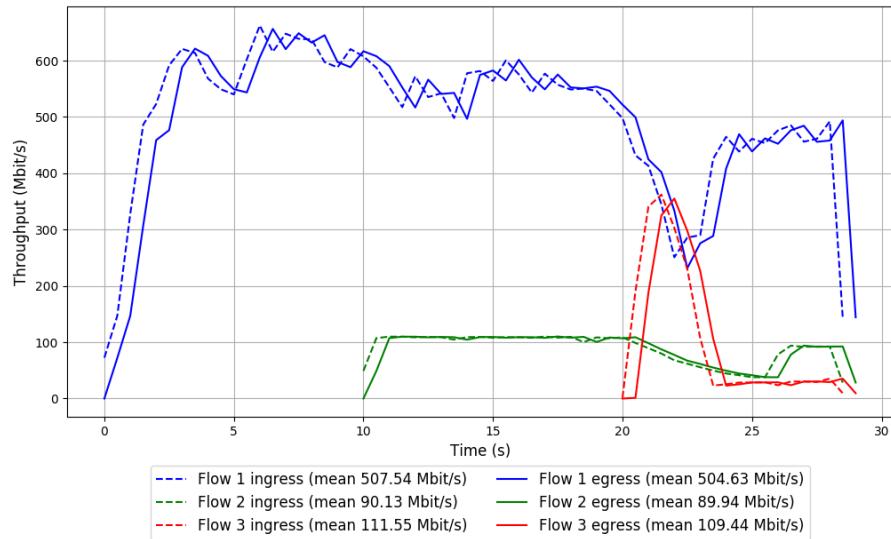


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 08:55:17
End at: 2019-11-24 08:55:47
Local clock offset: 3.336 ms
Remote clock offset: 3.642 ms

# Below is generated by plot.py at 2019-11-24 10:53:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 594.33 Mbit/s
95th percentile per-packet one-way delay: 8.156 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 504.63 Mbit/s
95th percentile per-packet one-way delay: 8.501 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 109.44 Mbit/s
95th percentile per-packet one-way delay: 2.275 ms
Loss rate: 1.90%
```

Run 3: Report of Indigo-MusesC5 — Data Link

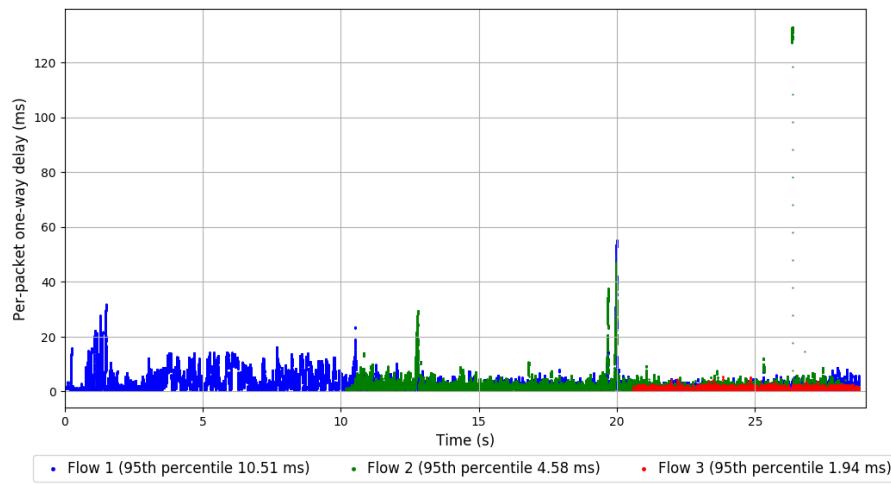
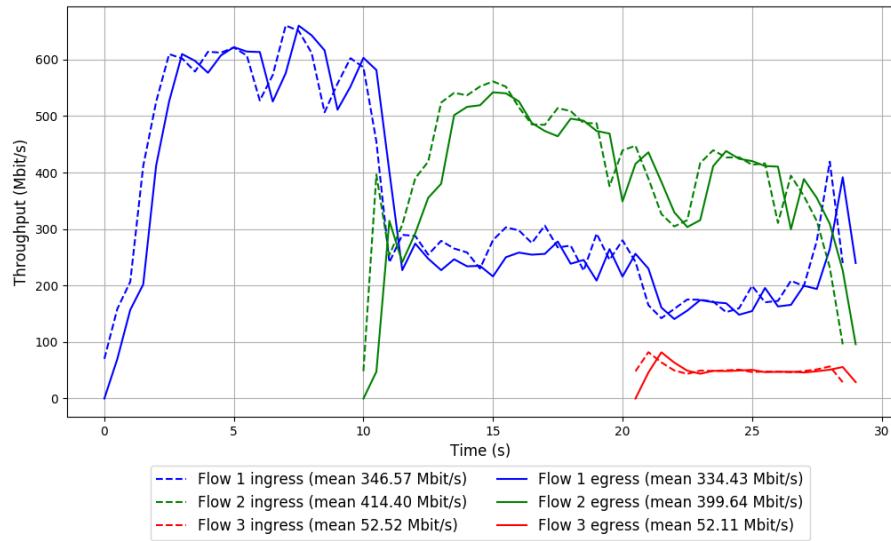


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 09:30:41
End at: 2019-11-24 09:31:11
Local clock offset: 2.906 ms
Remote clock offset: -4.368 ms

# Below is generated by plot.py at 2019-11-24 10:54:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 607.62 Mbit/s
95th percentile per-packet one-way delay: 8.824 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 334.43 Mbit/s
95th percentile per-packet one-way delay: 10.505 ms
Loss rate: 3.50%
-- Flow 2:
Average throughput: 399.64 Mbit/s
95th percentile per-packet one-way delay: 4.582 ms
Loss rate: 3.60%
-- Flow 3:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 1.942 ms
Loss rate: 0.84%
```

Run 4: Report of Indigo-MusesC5 — Data Link

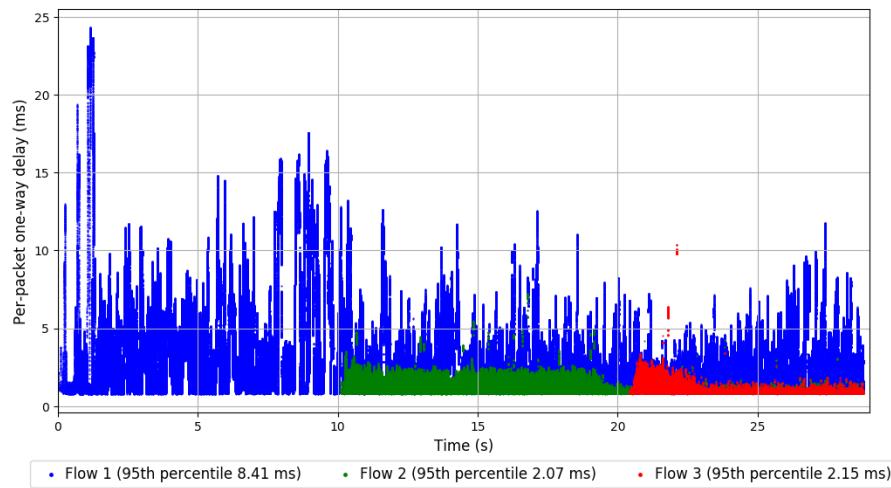
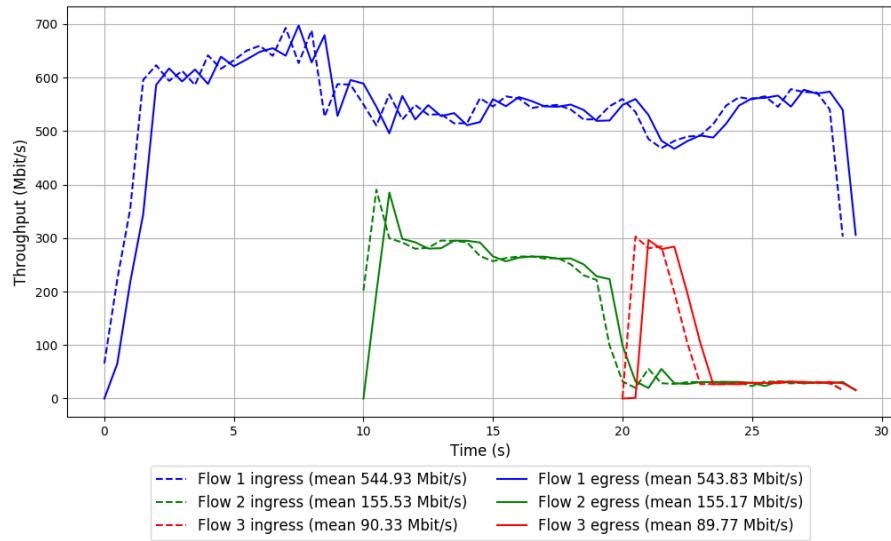


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 10:05:59
End at: 2019-11-24 10:06:29
Local clock offset: 3.022 ms
Remote clock offset: -6.933 ms

# Below is generated by plot.py at 2019-11-24 10:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 670.48 Mbit/s
95th percentile per-packet one-way delay: 7.749 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 543.83 Mbit/s
95th percentile per-packet one-way delay: 8.406 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 155.17 Mbit/s
95th percentile per-packet one-way delay: 2.066 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 2.152 ms
Loss rate: 0.61%
```

Run 5: Report of Indigo-MusesC5 — Data Link

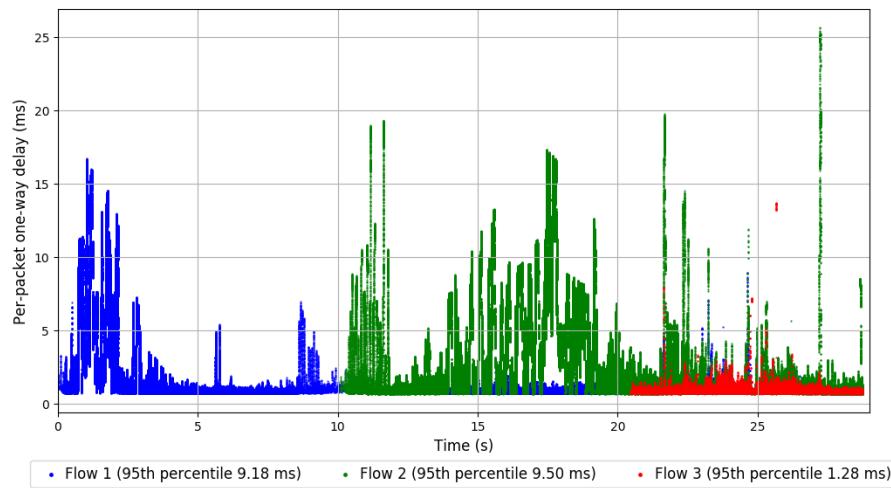
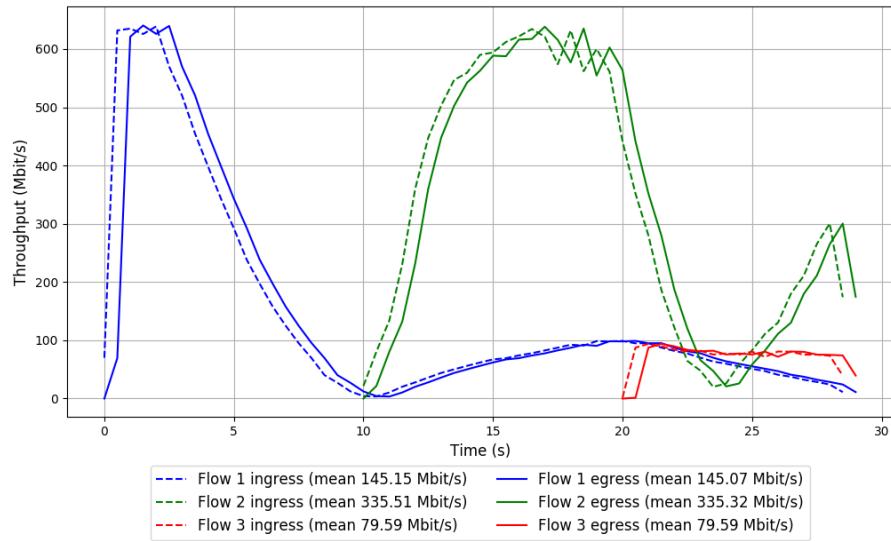


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 07:47:54
End at: 2019-11-24 07:48:24
Local clock offset: 4.432 ms
Remote clock offset: 1.727 ms

# Below is generated by plot.py at 2019-11-24 10:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.95 Mbit/s
95th percentile per-packet one-way delay: 9.305 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 145.07 Mbit/s
95th percentile per-packet one-way delay: 9.175 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 335.32 Mbit/s
95th percentile per-packet one-way delay: 9.503 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

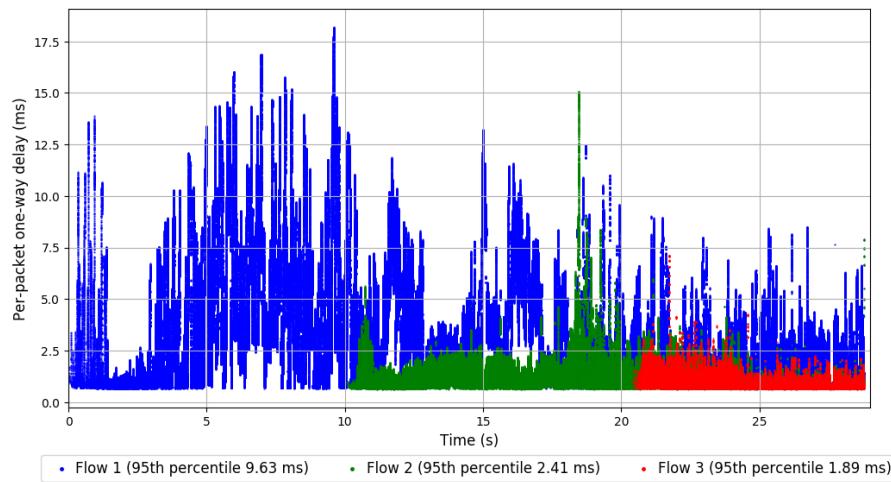
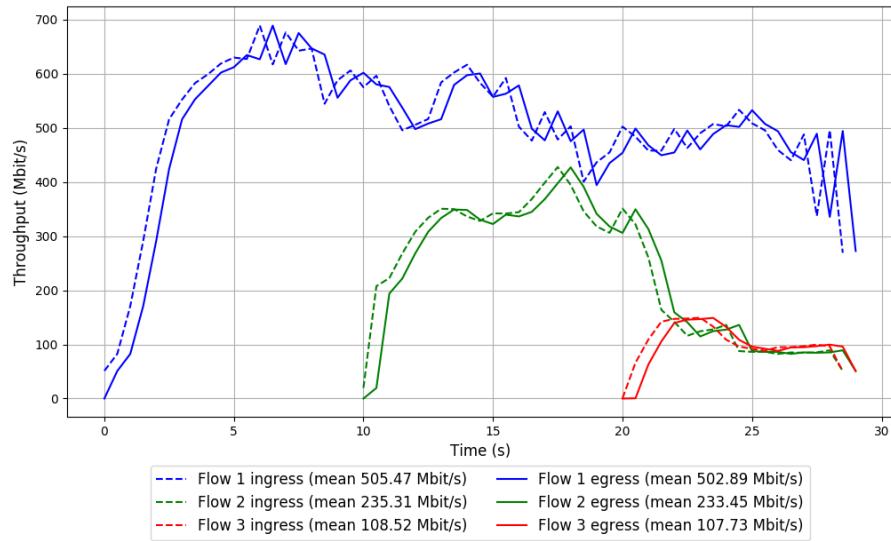


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 08:23:03
End at: 2019-11-24 08:23:33
Local clock offset: 3.699 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2019-11-24 10:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 685.71 Mbit/s
95th percentile per-packet one-way delay: 8.793 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 502.89 Mbit/s
95th percentile per-packet one-way delay: 9.626 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 233.45 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 107.73 Mbit/s
95th percentile per-packet one-way delay: 1.888 ms
Loss rate: 0.73%
```

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

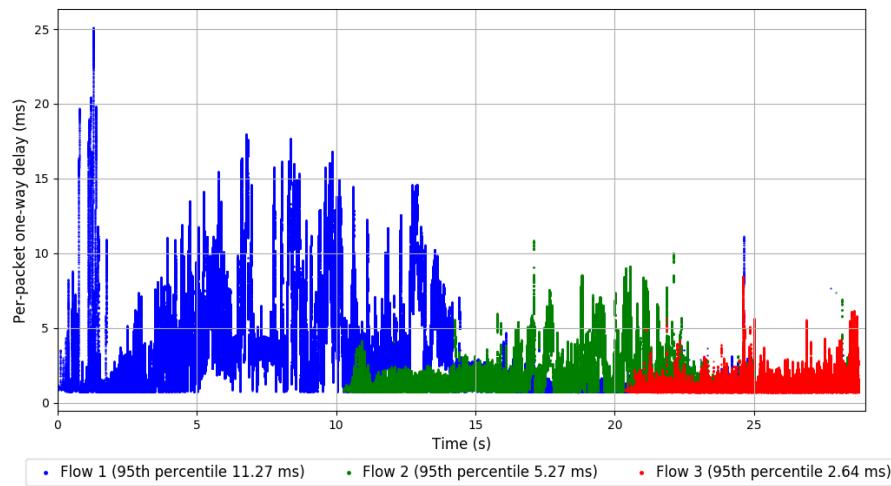
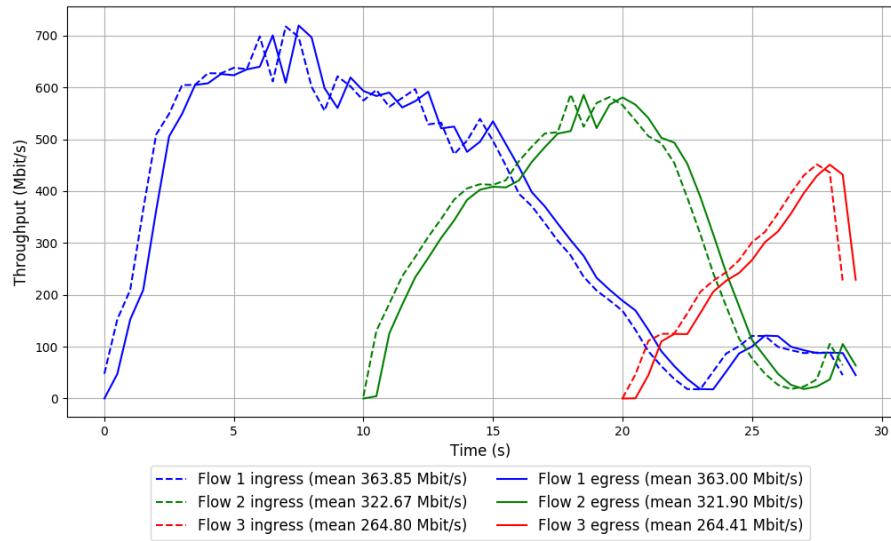


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 08:58:30
End at: 2019-11-24 08:59:00
Local clock offset: 3.347 ms
Remote clock offset: 3.897 ms

# Below is generated by plot.py at 2019-11-24 10:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.13 Mbit/s
95th percentile per-packet one-way delay: 9.297 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 363.00 Mbit/s
95th percentile per-packet one-way delay: 11.274 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 321.90 Mbit/s
95th percentile per-packet one-way delay: 5.273 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 264.41 Mbit/s
95th percentile per-packet one-way delay: 2.644 ms
Loss rate: 0.14%
```

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

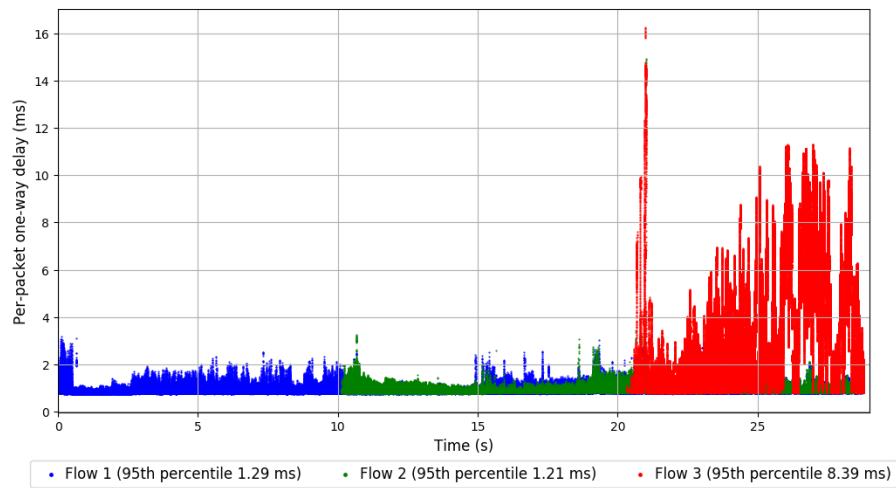
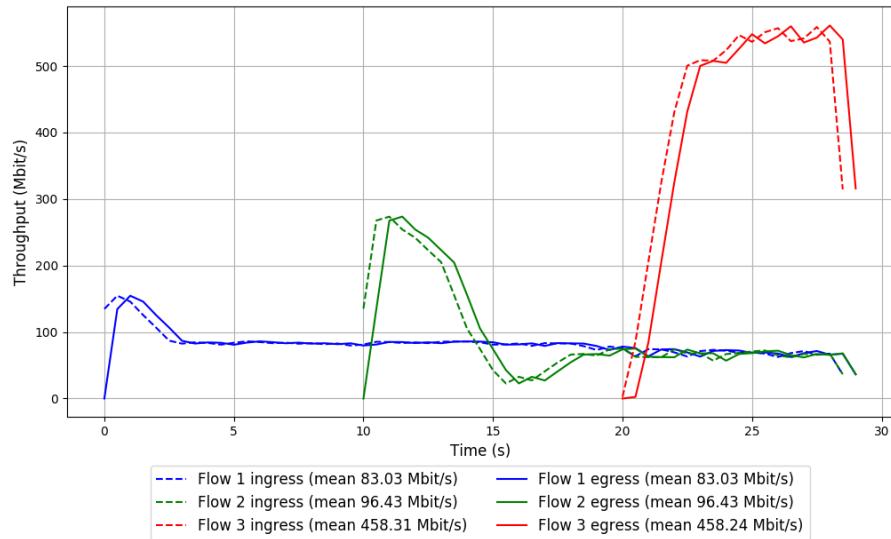


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 09:33:51
End at: 2019-11-24 09:34:21
Local clock offset: 2.859 ms
Remote clock offset: -4.673 ms

# Below is generated by plot.py at 2019-11-24 10:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.54 Mbit/s
95th percentile per-packet one-way delay: 7.102 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 458.24 Mbit/s
95th percentile per-packet one-way delay: 8.391 ms
Loss rate: 0.02%
```

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

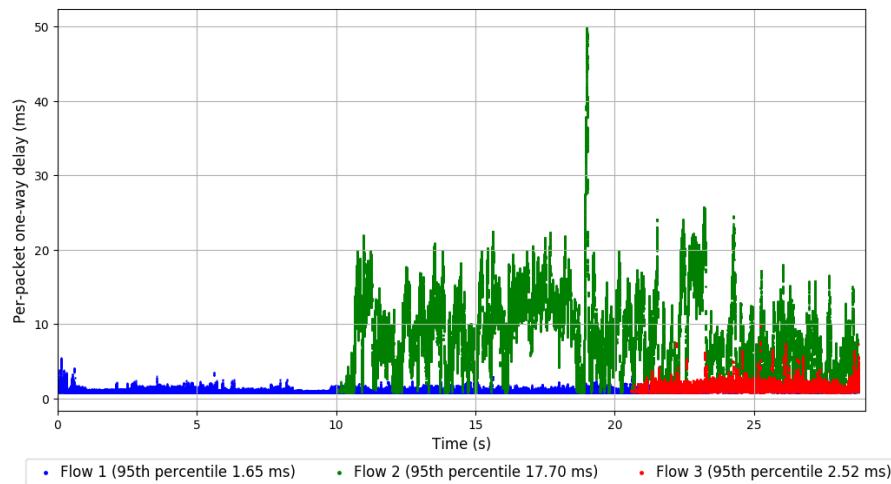
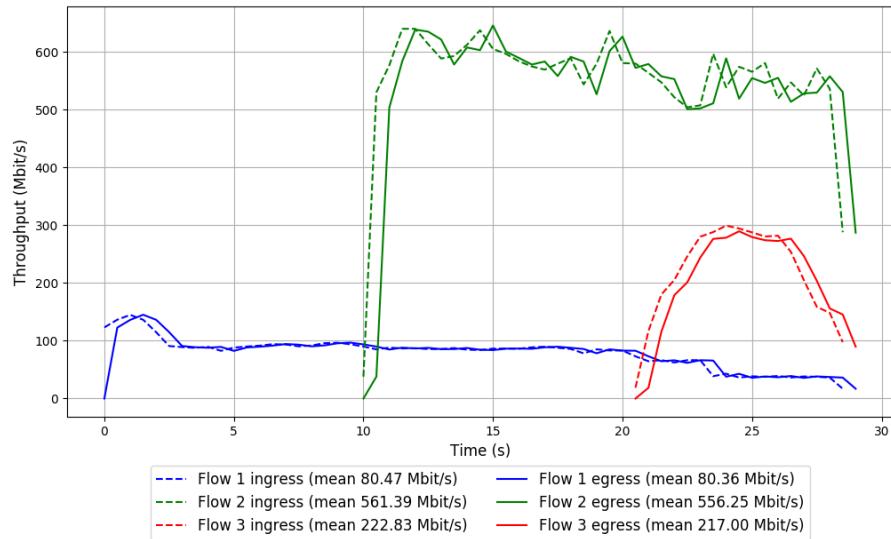


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 10:09:13
End at: 2019-11-24 10:09:43
Local clock offset: 3.005 ms
Remote clock offset: -7.122 ms

# Below is generated by plot.py at 2019-11-24 10:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 503.68 Mbit/s
95th percentile per-packet one-way delay: 16.725 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 1.651 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 556.25 Mbit/s
95th percentile per-packet one-way delay: 17.699 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 217.00 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 2.61%
```

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

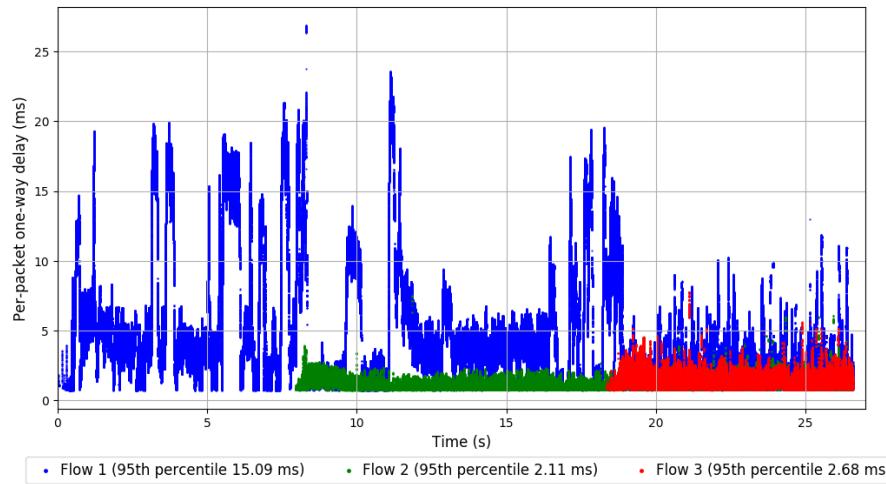
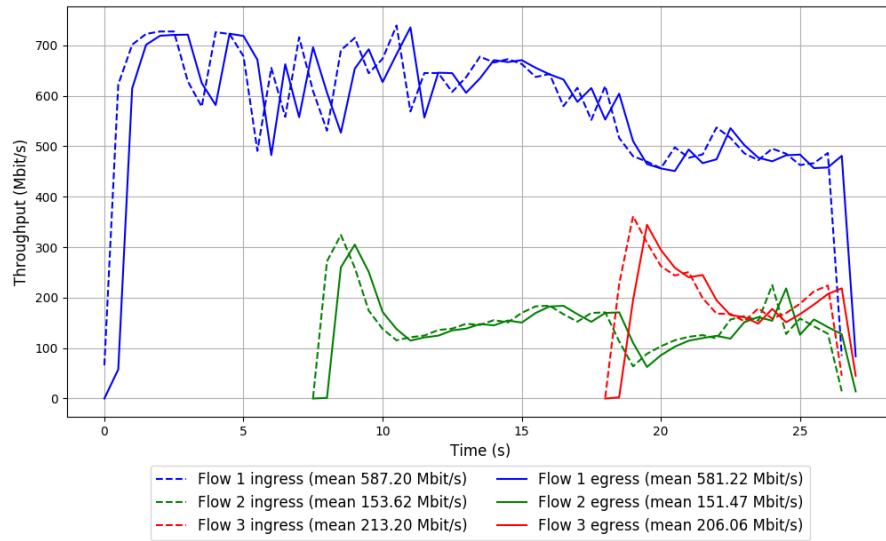


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 07:16:38
End at: 2019-11-24 07:17:08
Local clock offset: 3.34 ms
Remote clock offset: 0.095 ms

# Below is generated by plot.py at 2019-11-24 11:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 751.36 Mbit/s
95th percentile per-packet one-way delay: 13.452 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 581.22 Mbit/s
95th percentile per-packet one-way delay: 15.087 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 151.47 Mbit/s
95th percentile per-packet one-way delay: 2.113 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 206.06 Mbit/s
95th percentile per-packet one-way delay: 2.680 ms
Loss rate: 3.34%
```

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

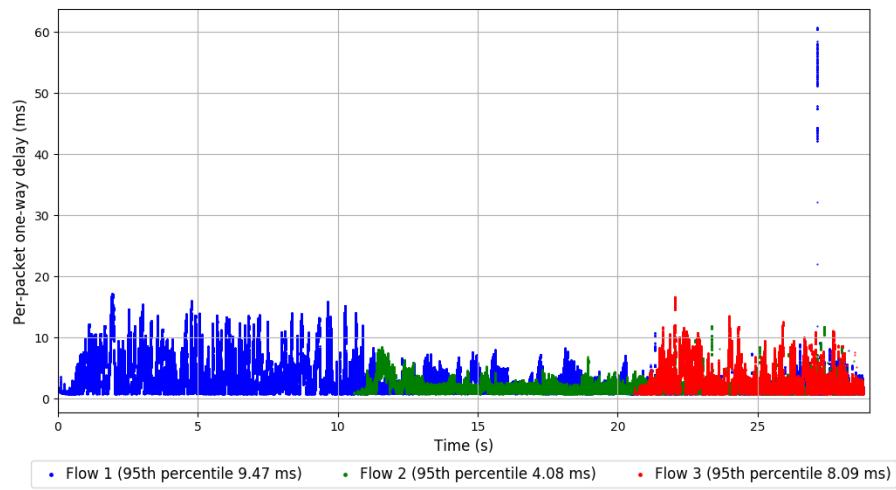
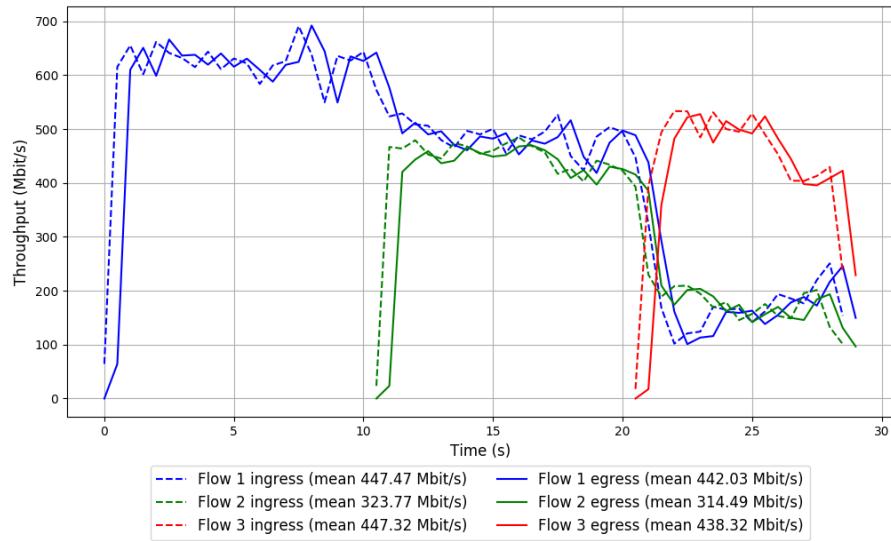


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 07:51:55
End at: 2019-11-24 07:52:25
Local clock offset: 4.437 ms
Remote clock offset: 1.924 ms

# Below is generated by plot.py at 2019-11-24 11:02:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 766.07 Mbit/s
95th percentile per-packet one-way delay: 8.236 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 442.03 Mbit/s
95th percentile per-packet one-way delay: 9.471 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 314.49 Mbit/s
95th percentile per-packet one-way delay: 4.083 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 438.32 Mbit/s
95th percentile per-packet one-way delay: 8.087 ms
Loss rate: 2.01%
```

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

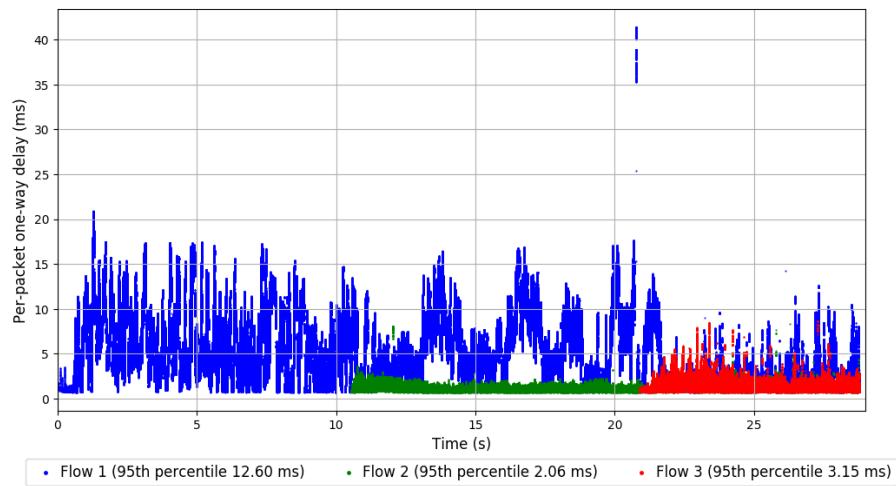
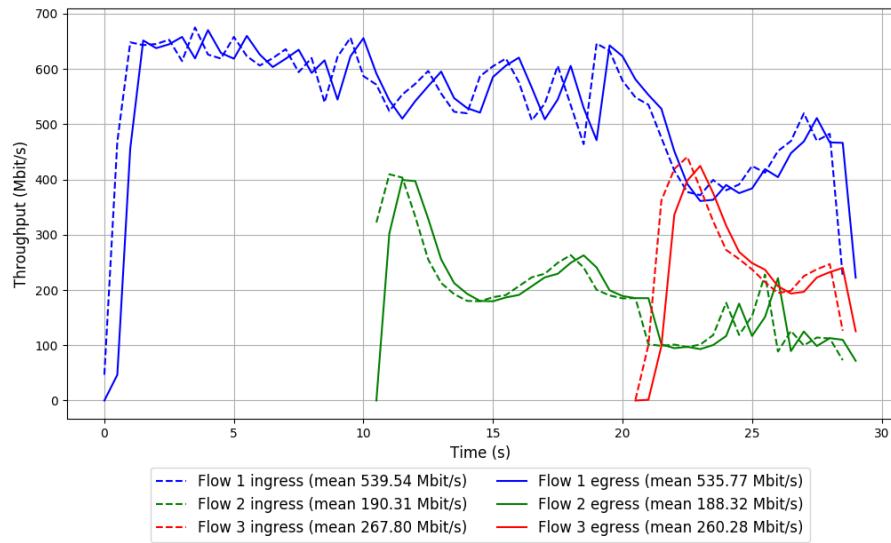


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 08:27:14
End at: 2019-11-24 08:27:44
Local clock offset: 3.607 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2019-11-24 11:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 726.79 Mbit/s
95th percentile per-packet one-way delay: 11.787 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 535.77 Mbit/s
95th percentile per-packet one-way delay: 12.603 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 188.32 Mbit/s
95th percentile per-packet one-way delay: 2.059 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 260.28 Mbit/s
95th percentile per-packet one-way delay: 3.149 ms
Loss rate: 2.80%
```

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

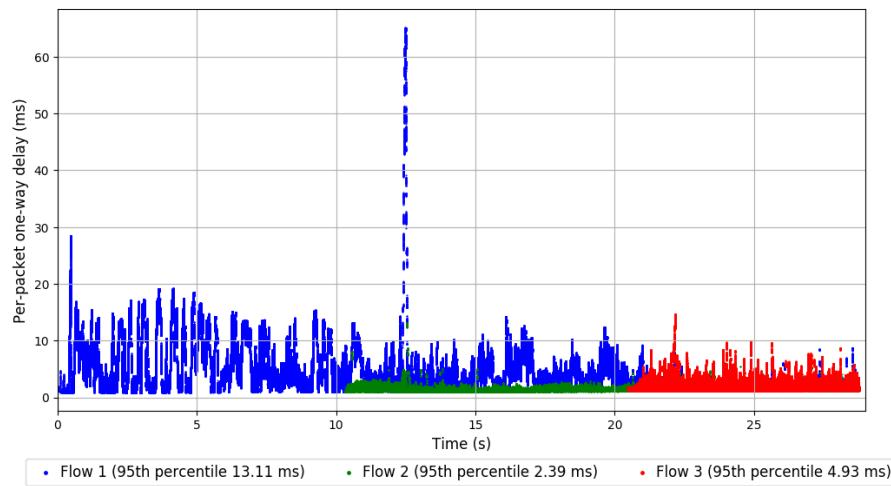
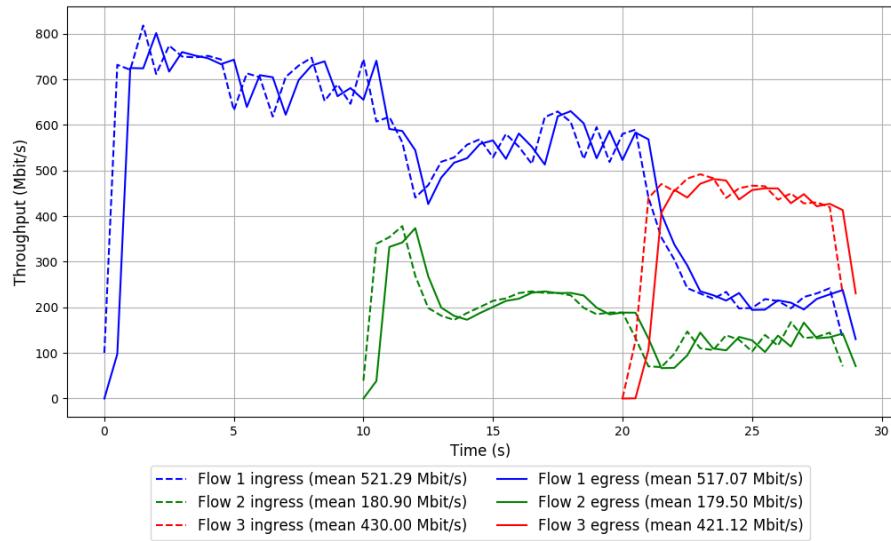


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 09:02:39
End at: 2019-11-24 09:03:09
Local clock offset: 3.305 ms
Remote clock offset: 3.98 ms

# Below is generated by plot.py at 2019-11-24 11:04:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 754.33 Mbit/s
95th percentile per-packet one-way delay: 11.916 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 517.07 Mbit/s
95th percentile per-packet one-way delay: 13.109 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 179.50 Mbit/s
95th percentile per-packet one-way delay: 2.390 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 421.12 Mbit/s
95th percentile per-packet one-way delay: 4.935 ms
Loss rate: 2.07%
```

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

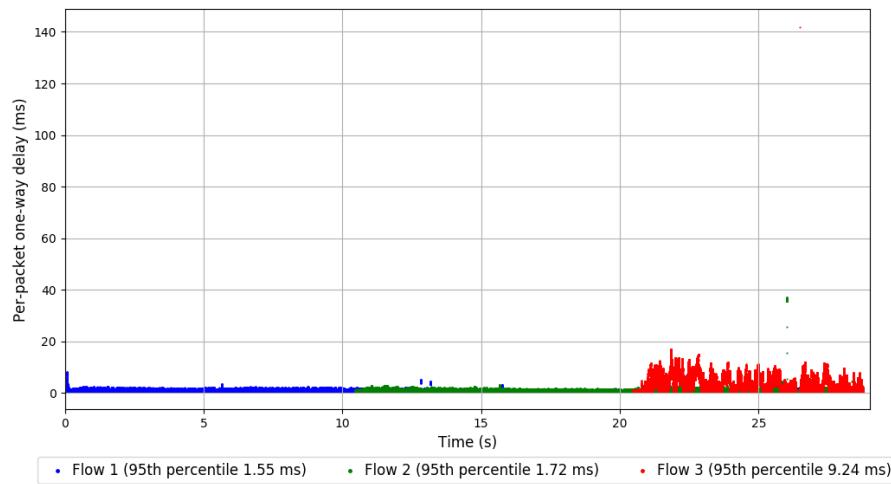
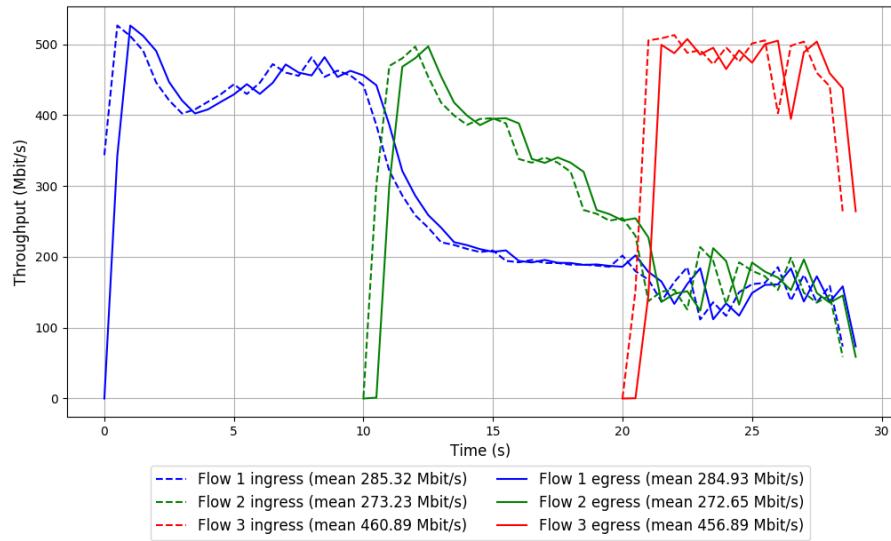


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 09:37:49
End at: 2019-11-24 09:38:19
Local clock offset: 2.857 ms
Remote clock offset: -5.043 ms

# Below is generated by plot.py at 2019-11-24 11:04:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 590.67 Mbit/s
95th percentile per-packet one-way delay: 6.284 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 284.93 Mbit/s
95th percentile per-packet one-way delay: 1.552 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 272.65 Mbit/s
95th percentile per-packet one-way delay: 1.718 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 456.89 Mbit/s
95th percentile per-packet one-way delay: 9.241 ms
Loss rate: 0.94%
```

Run 5: Report of Indigo-MusesT — Data Link

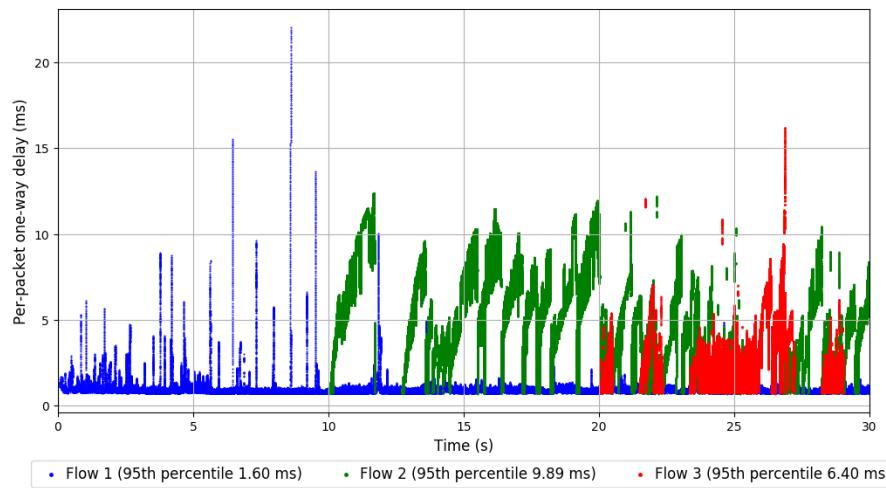
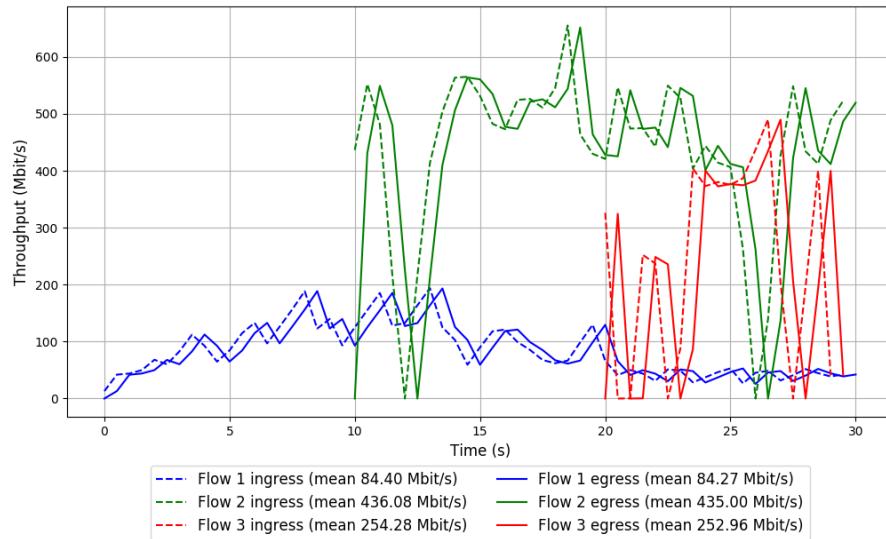


```
Run 1: Statistics of LEDBAT

Start at: 2019-11-24 07:42:02
End at: 2019-11-24 07:42:32
Local clock offset: 4.438 ms
Remote clock offset: 1.535 ms

# Below is generated by plot.py at 2019-11-24 11:04:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.25 Mbit/s
95th percentile per-packet one-way delay: 9.228 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 1.604 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 435.00 Mbit/s
95th percentile per-packet one-way delay: 9.890 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 252.96 Mbit/s
95th percentile per-packet one-way delay: 6.400 ms
Loss rate: 0.52%
```

Run 1: Report of LEDBAT — Data Link

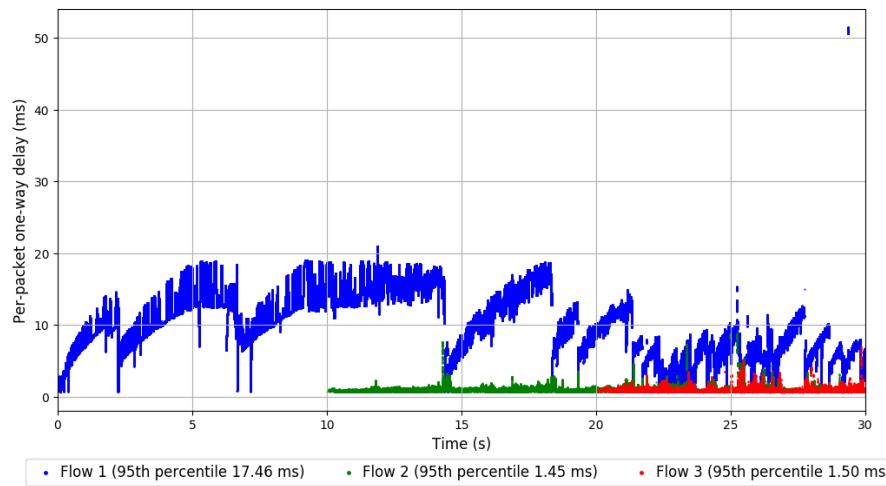
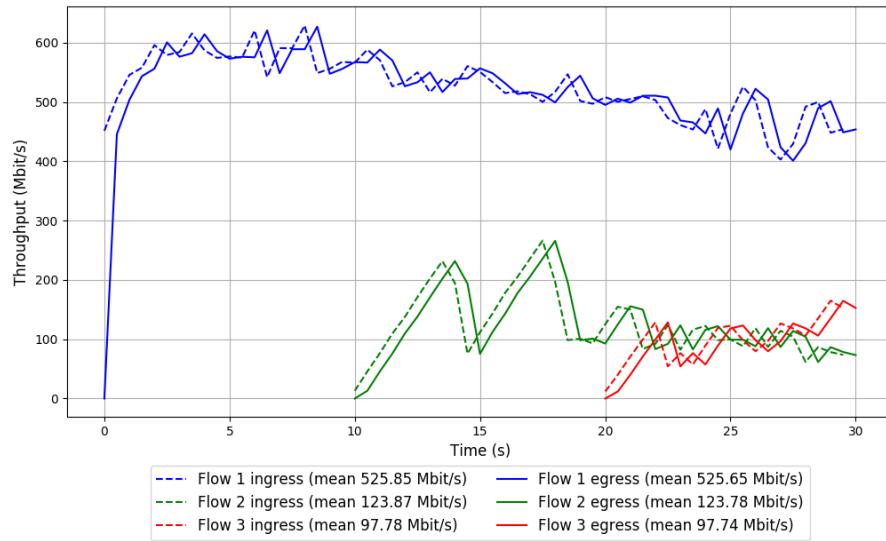


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-24 08:16:58
End at: 2019-11-24 08:17:28
Local clock offset: 3.969 ms
Remote clock offset: 0.252 ms

# Below is generated by plot.py at 2019-11-24 11:06:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.54 Mbit/s
95th percentile per-packet one-way delay: 17.133 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 525.65 Mbit/s
95th percentile per-packet one-way delay: 17.465 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 123.78 Mbit/s
95th percentile per-packet one-way delay: 1.447 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 97.74 Mbit/s
95th percentile per-packet one-way delay: 1.498 ms
Loss rate: 0.04%
```

Run 2: Report of LEDBAT — Data Link

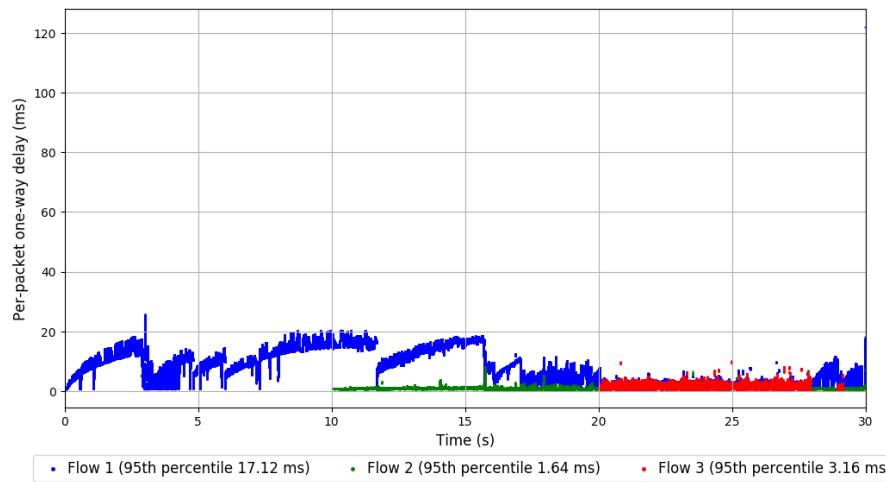
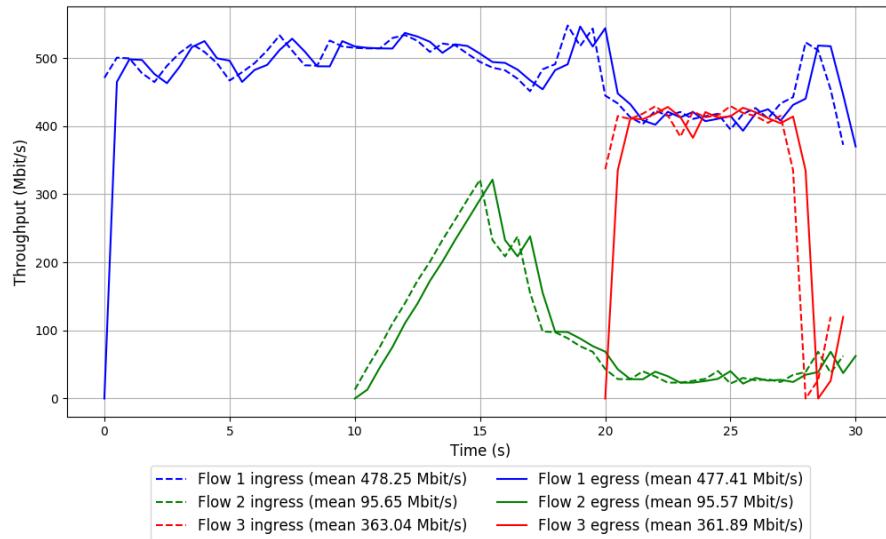


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-24 08:52:20
End at: 2019-11-24 08:52:50
Local clock offset: 3.405 ms
Remote clock offset: 3.569 ms

# Below is generated by plot.py at 2019-11-24 11:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 651.18 Mbit/s
95th percentile per-packet one-way delay: 16.765 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 477.41 Mbit/s
95th percentile per-packet one-way delay: 17.123 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 1.637 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 361.89 Mbit/s
95th percentile per-packet one-way delay: 3.157 ms
Loss rate: 0.32%
```

Run 3: Report of LEDBAT — Data Link

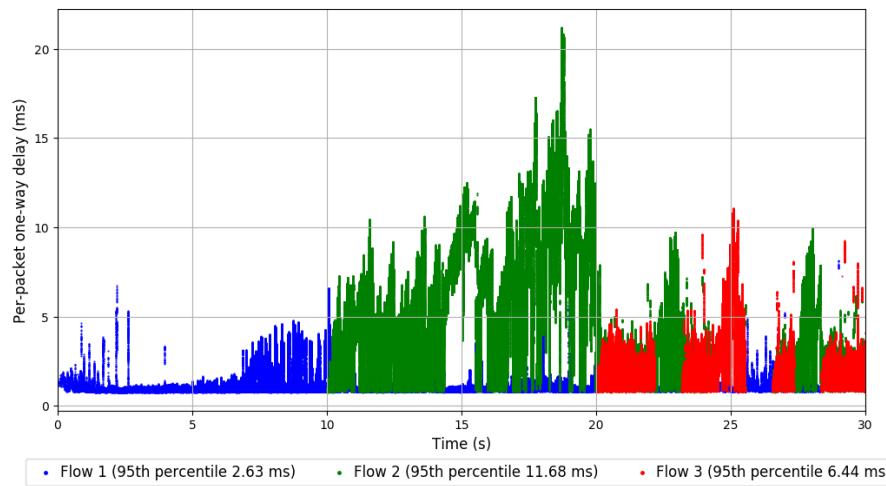
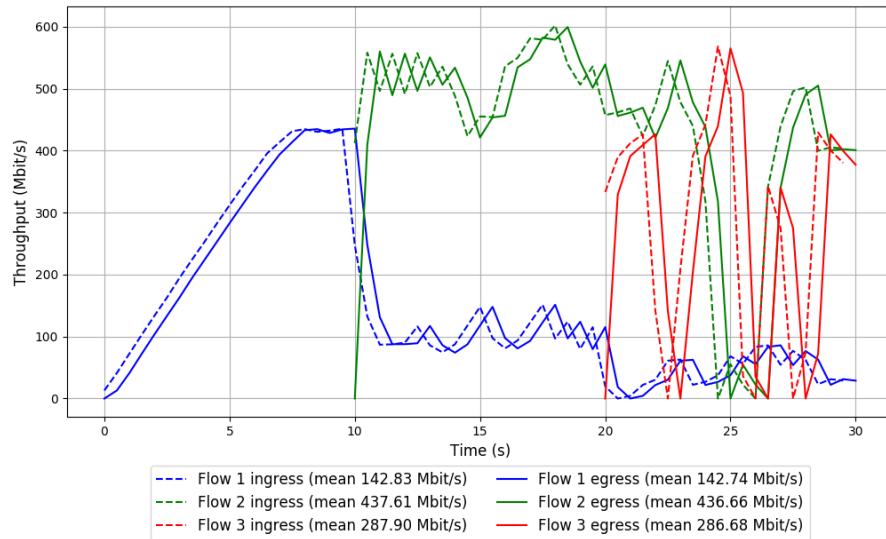


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-24 09:27:49
End at: 2019-11-24 09:28:19
Local clock offset: 2.926 ms
Remote clock offset: -4.074 ms

# Below is generated by plot.py at 2019-11-24 11:07:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.90 Mbit/s
95th percentile per-packet one-way delay: 10.310 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 142.74 Mbit/s
95th percentile per-packet one-way delay: 2.632 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 436.66 Mbit/s
95th percentile per-packet one-way delay: 11.682 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 286.68 Mbit/s
95th percentile per-packet one-way delay: 6.438 ms
Loss rate: 0.42%
```

Run 4: Report of LEDBAT — Data Link

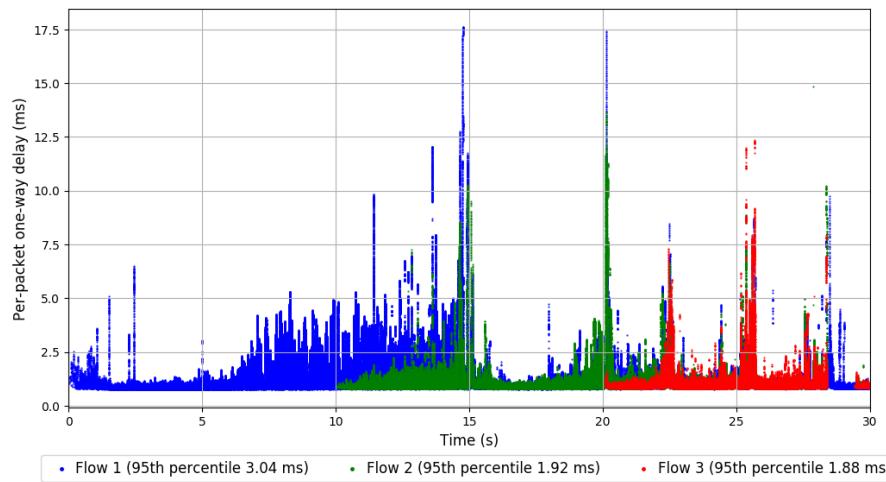
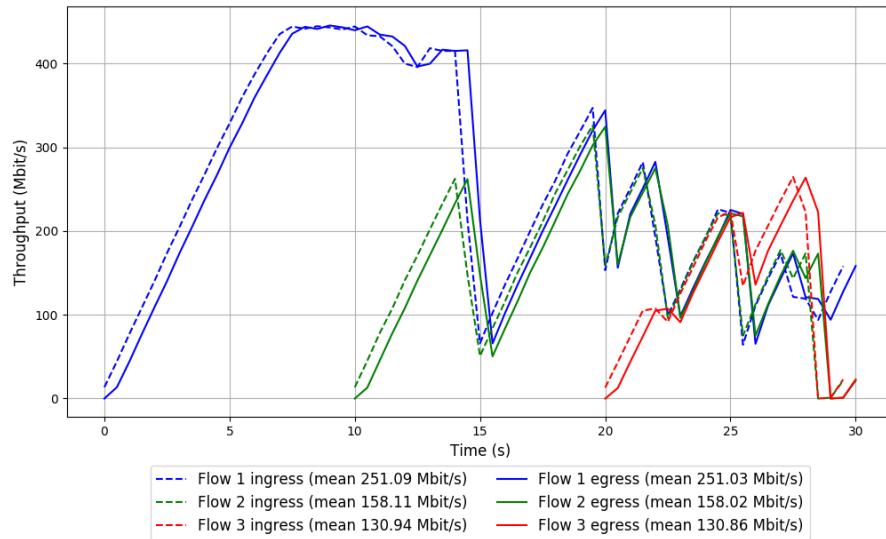


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-24 10:03:11
End at: 2019-11-24 10:03:41
Local clock offset: 3.03 ms
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2019-11-24 11:07:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.71 Mbit/s
95th percentile per-packet one-way delay: 2.759 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 251.03 Mbit/s
95th percentile per-packet one-way delay: 3.037 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 158.02 Mbit/s
95th percentile per-packet one-way delay: 1.919 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 130.86 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.06%
```

Run 5: Report of LEDBAT — Data Link

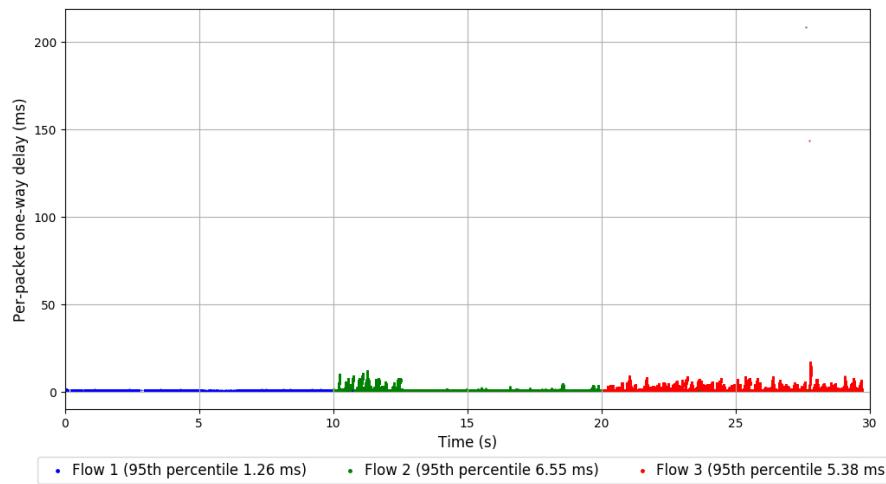
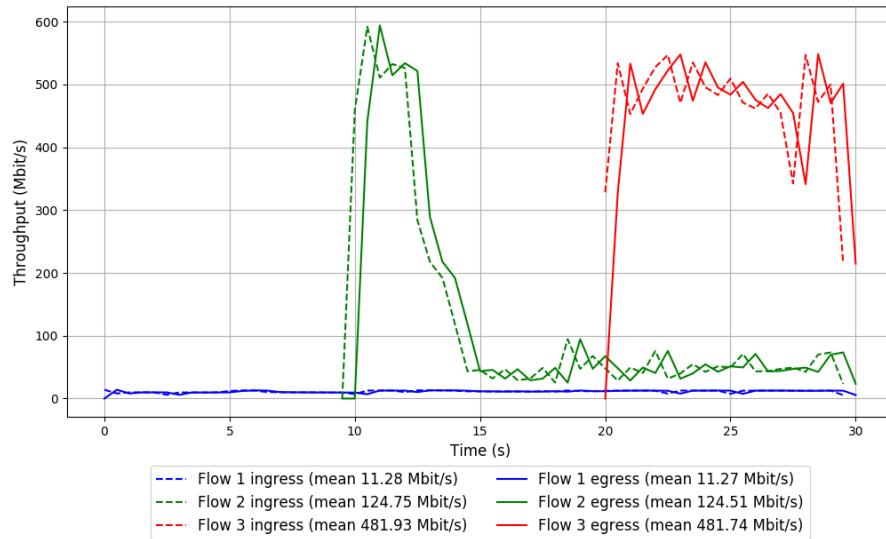


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 07:36:17
End at: 2019-11-24 07:36:47
Local clock offset: 4.401 ms
Remote clock offset: 1.308 ms

# Below is generated by plot.py at 2019-11-24 11:07:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 250.77 Mbit/s
95th percentile per-packet one-way delay: 5.764 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 124.51 Mbit/s
95th percentile per-packet one-way delay: 6.549 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 481.74 Mbit/s
95th percentile per-packet one-way delay: 5.380 ms
Loss rate: 0.04%
```

Run 1: Report of Muses\_DecisionTree — Data Link

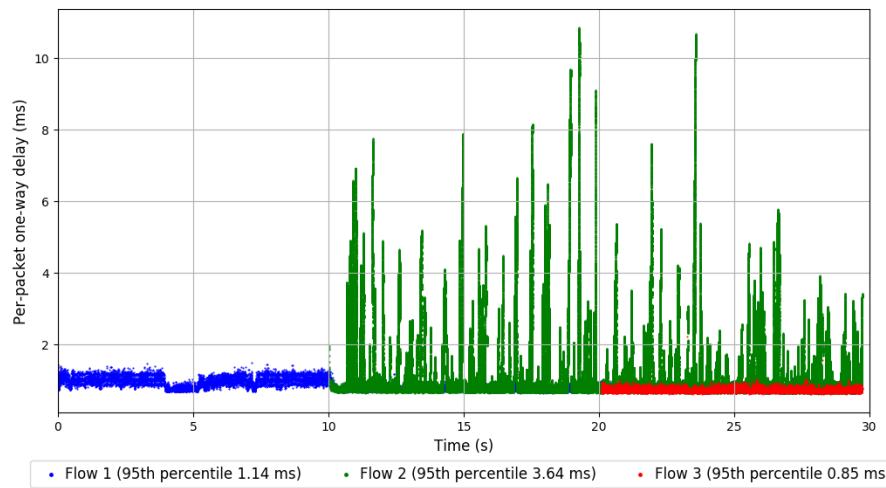
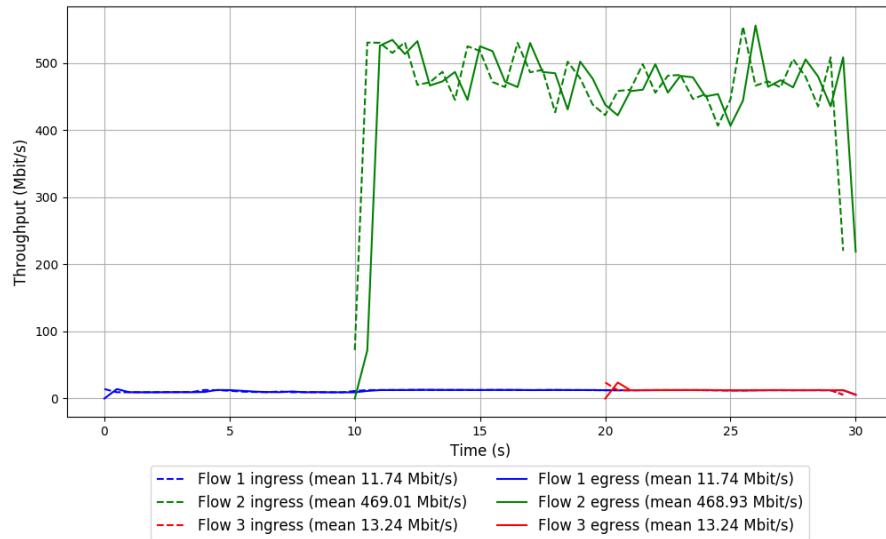


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 08:11:18
End at: 2019-11-24 08:11:48
Local clock offset: 4.444 ms
Remote clock offset: 0.392 ms

# Below is generated by plot.py at 2019-11-24 11:07:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.07 Mbit/s
95th percentile per-packet one-way delay: 3.536 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 468.93 Mbit/s
95th percentile per-packet one-way delay: 3.641 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 0.849 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTree — Data Link

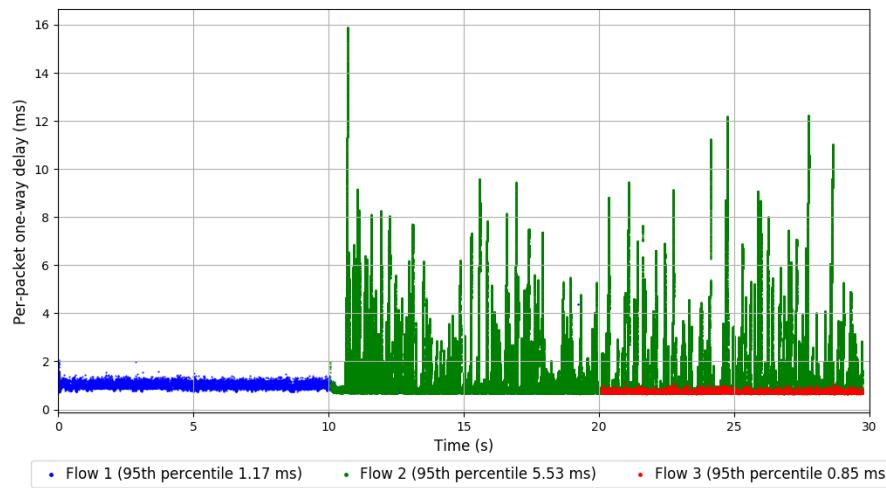
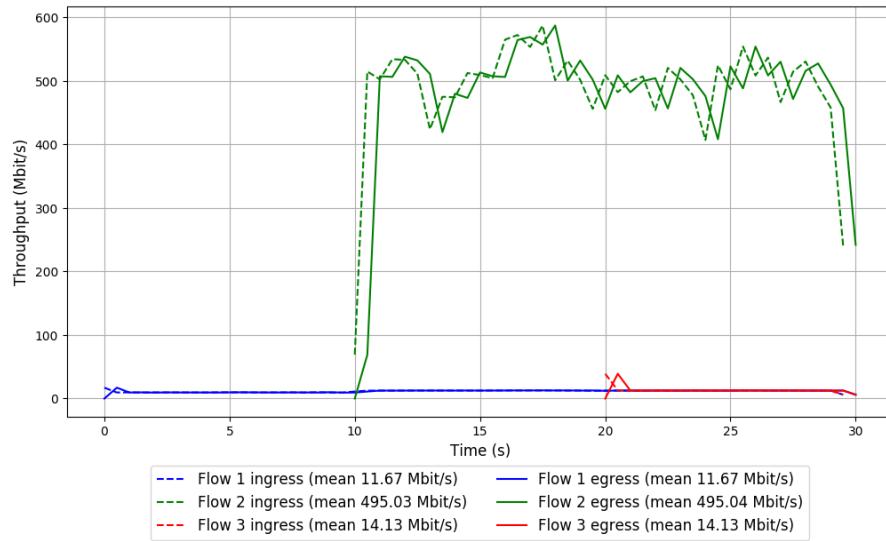


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 08:46:34
End at: 2019-11-24 08:47:04
Local clock offset: 3.422 ms
Remote clock offset: 3.178 ms

# Below is generated by plot.py at 2019-11-24 11:08:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.27 Mbit/s
95th percentile per-packet one-way delay: 5.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 495.04 Mbit/s
95th percentile per-packet one-way delay: 5.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 0.850 ms
Loss rate: 0.01%
```

Run 3: Report of Muses\_DecisionTree — Data Link

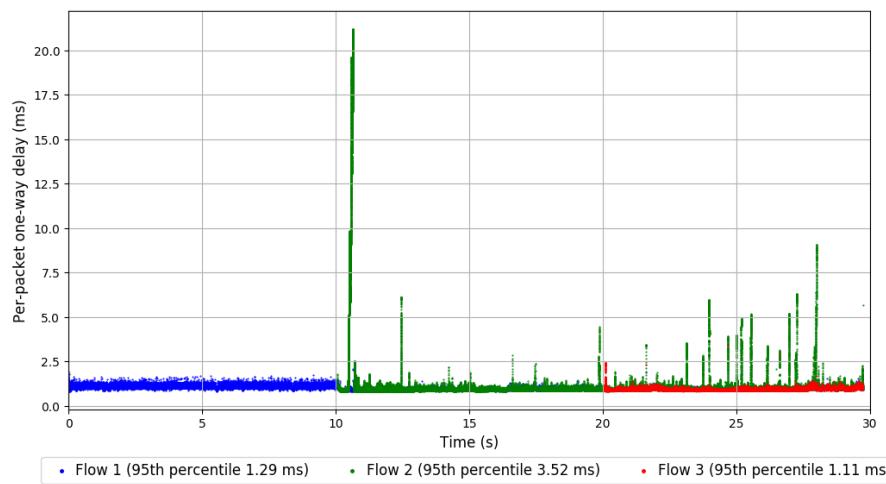
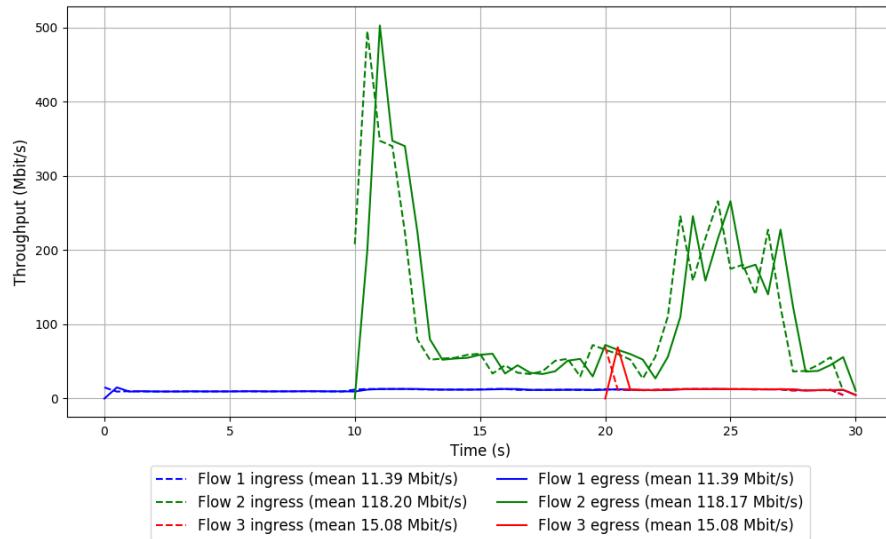


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 09:22:07
End at: 2019-11-24 09:22:37
Local clock offset: 2.977 ms
Remote clock offset: -3.35 ms

# Below is generated by plot.py at 2019-11-24 11:08:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 1.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 3.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
```

Run 4: Report of Muses\_DecisionTree — Data Link

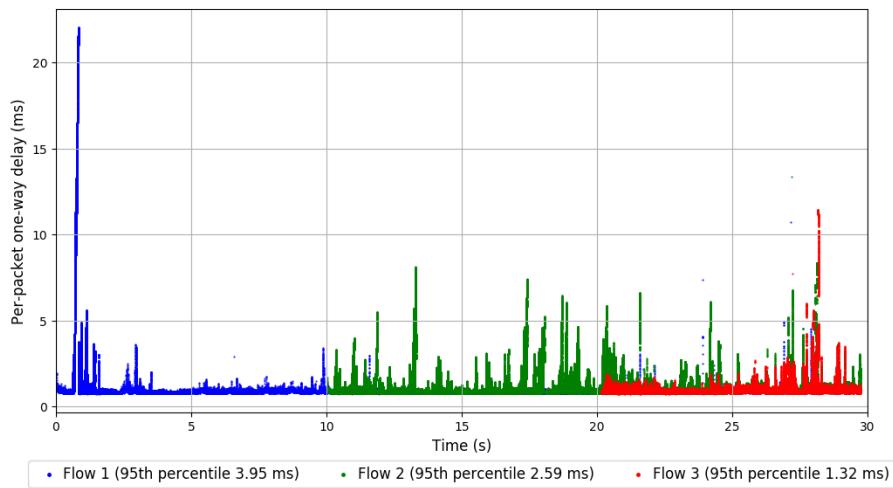
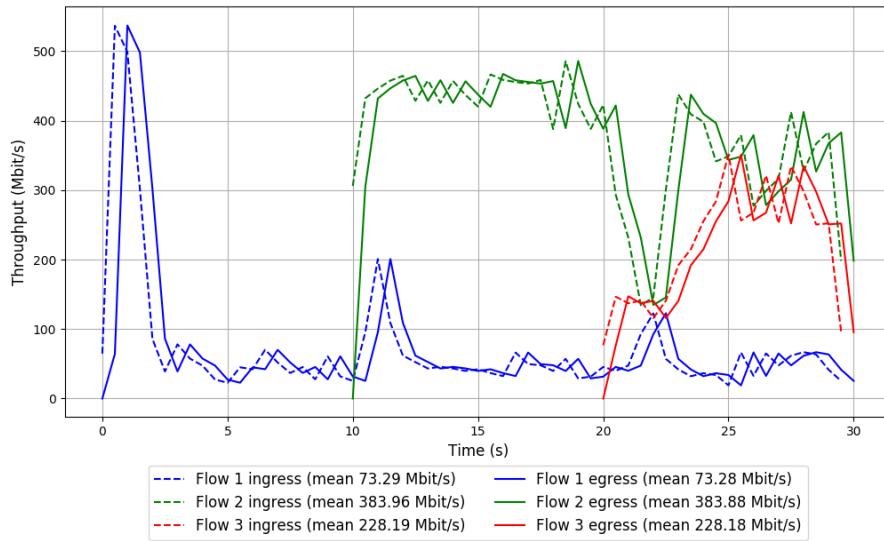


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 09:57:19
End at: 2019-11-24 09:57:49
Local clock offset: 3.021 ms
Remote clock offset: -6.402 ms

# Below is generated by plot.py at 2019-11-24 11:09:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.40 Mbit/s
95th percentile per-packet one-way delay: 2.467 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.28 Mbit/s
95th percentile per-packet one-way delay: 3.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 383.88 Mbit/s
95th percentile per-packet one-way delay: 2.592 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 228.18 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.01%
```

Run 5: Report of Muses\_DecisionTree — Data Link

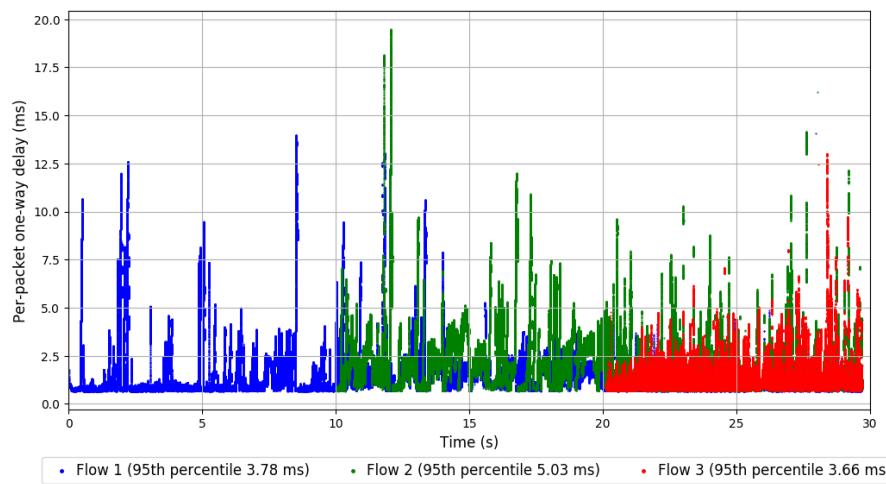
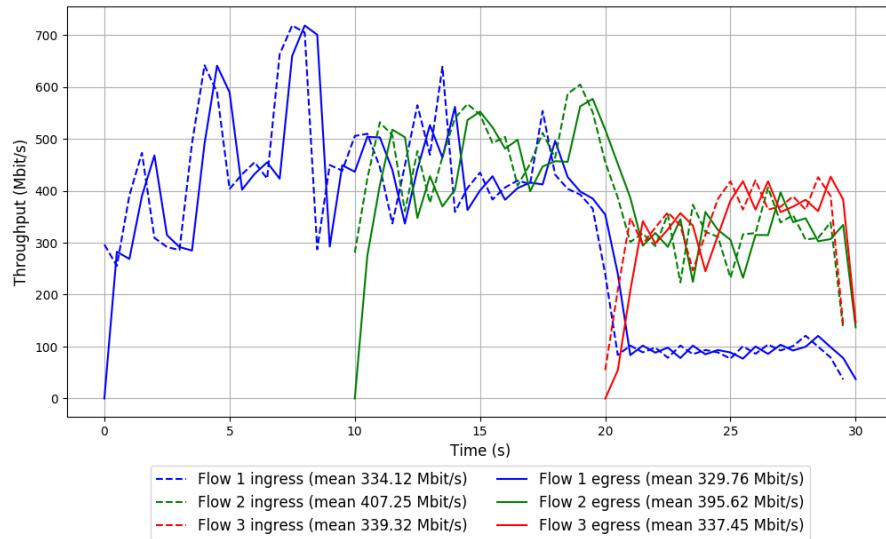


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 07:19:46
End at: 2019-11-24 07:20:16
Local clock offset: 3.628 ms
Remote clock offset: 0.108 ms

# Below is generated by plot.py at 2019-11-24 11:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 701.31 Mbit/s
95th percentile per-packet one-way delay: 4.458 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 329.76 Mbit/s
95th percentile per-packet one-way delay: 3.782 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 395.62 Mbit/s
95th percentile per-packet one-way delay: 5.030 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 337.45 Mbit/s
95th percentile per-packet one-way delay: 3.660 ms
Loss rate: 0.57%
```

Run 1: Report of Muses\_DecisionTreeH0 — Data Link

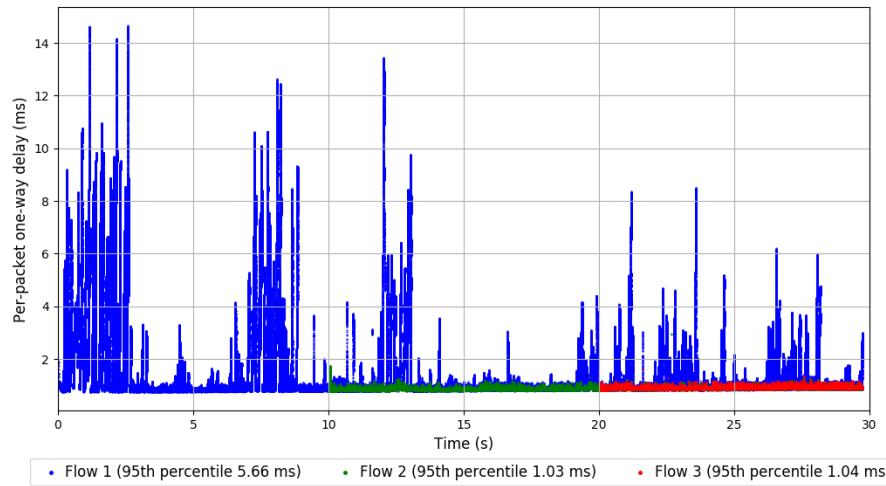
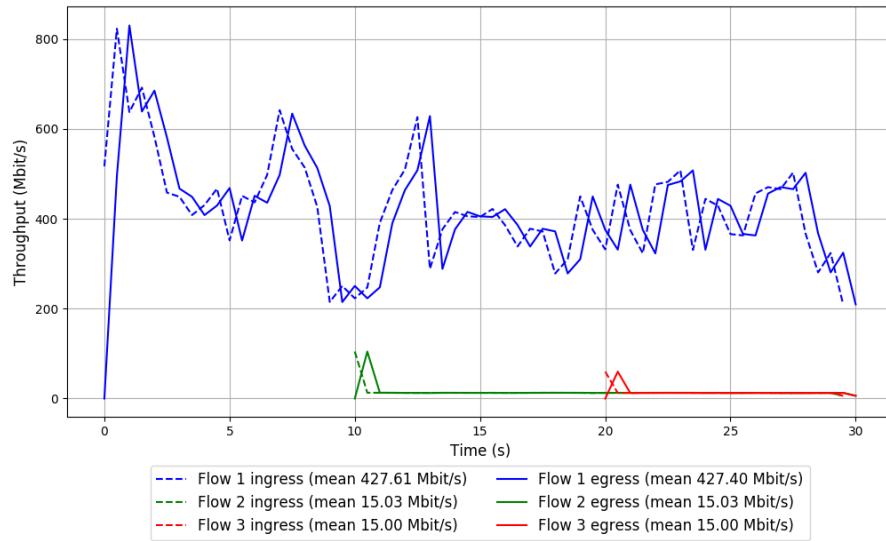


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 07:55:08
End at: 2019-11-24 07:55:38
Local clock offset: 4.475 ms
Remote clock offset: 1.813 ms

# Below is generated by plot.py at 2019-11-24 11:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.24 Mbit/s
95th percentile per-packet one-way delay: 5.565 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 427.40 Mbit/s
95th percentile per-packet one-way delay: 5.659 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTreeH0 — Data Link

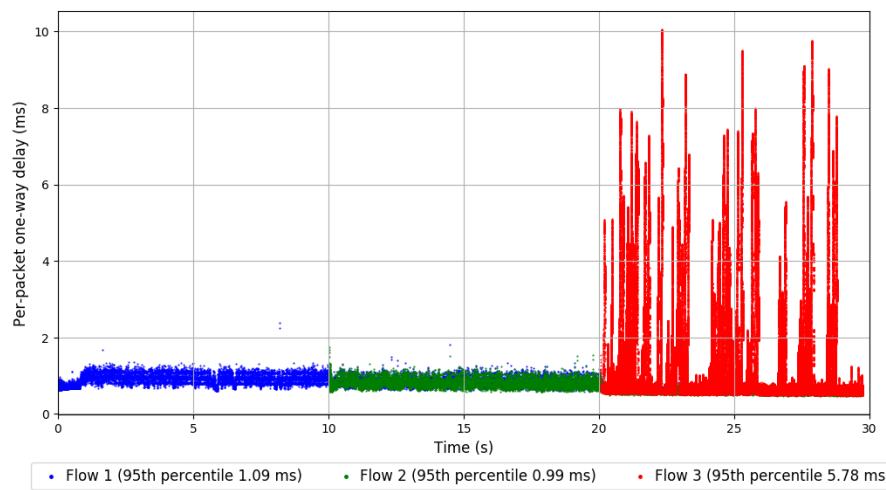
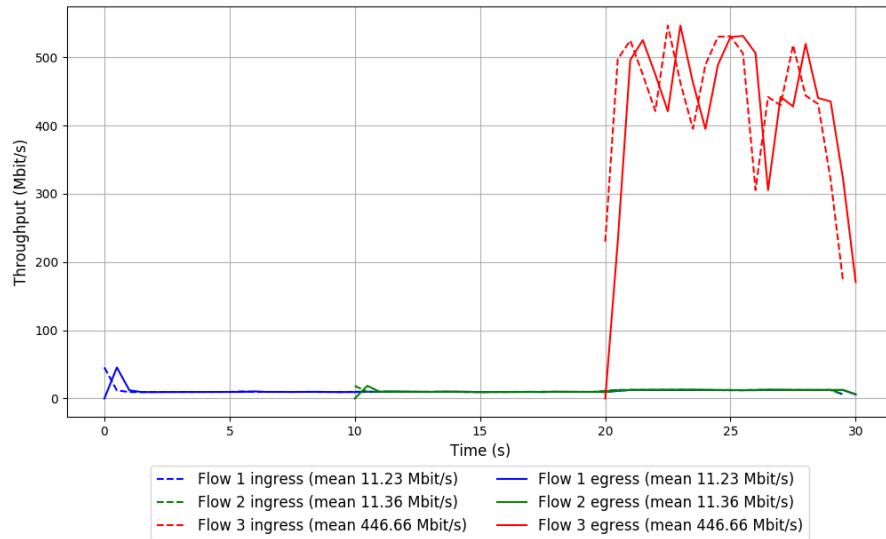


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 08:30:23
End at: 2019-11-24 08:30:53
Local clock offset: 3.559 ms
Remote clock offset: 0.706 ms

# Below is generated by plot.py at 2019-11-24 11:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 164.46 Mbit/s
95th percentile per-packet one-way delay: 5.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 446.66 Mbit/s
95th percentile per-packet one-way delay: 5.775 ms
Loss rate: 0.00%
```

Run 3: Report of Muses\_DecisionTreeH0 — Data Link

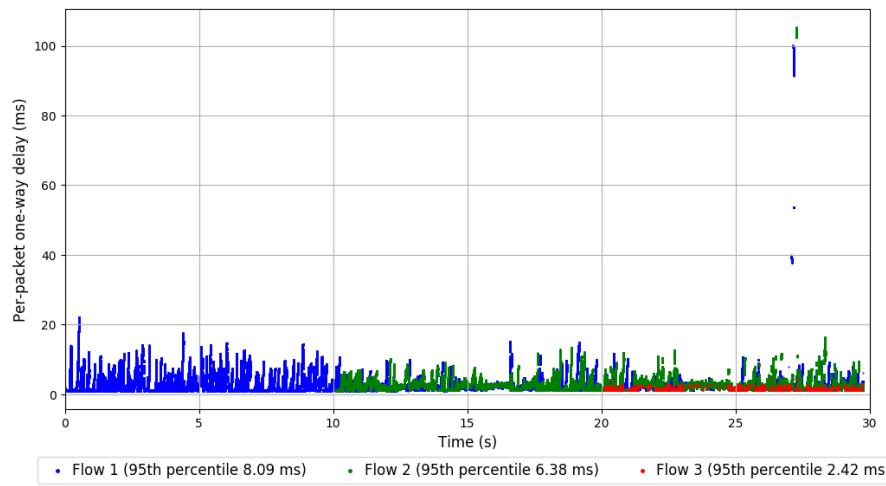
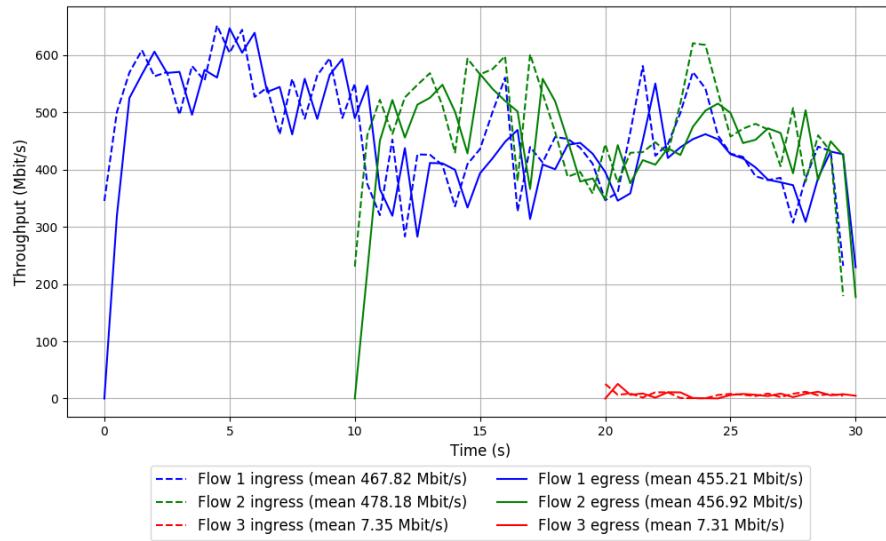


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 09:05:46
End at: 2019-11-24 09:06:16
Local clock offset: 3.306 ms
Remote clock offset: 1.83 ms

# Below is generated by plot.py at 2019-11-24 11:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 759.51 Mbit/s
95th percentile per-packet one-way delay: 7.394 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 455.21 Mbit/s
95th percentile per-packet one-way delay: 8.089 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 456.92 Mbit/s
95th percentile per-packet one-way delay: 6.377 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 0.68%
```

Run 4: Report of Muses\_DecisionTreeH0 — Data Link

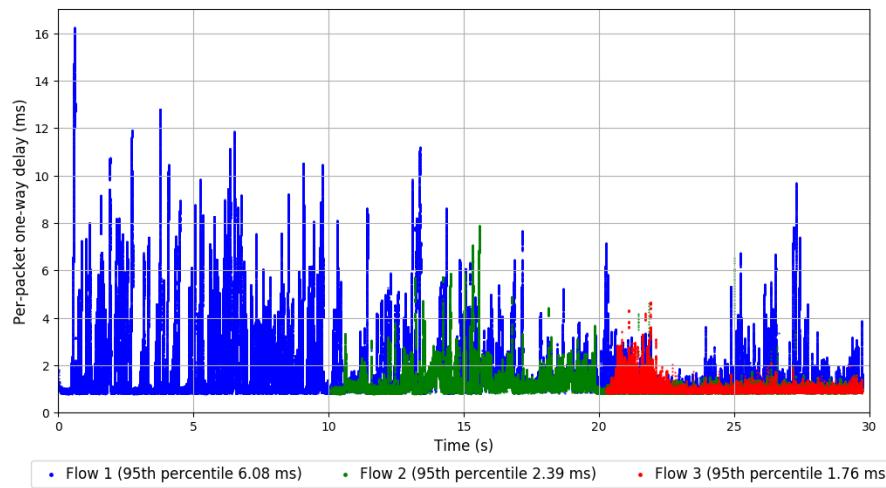
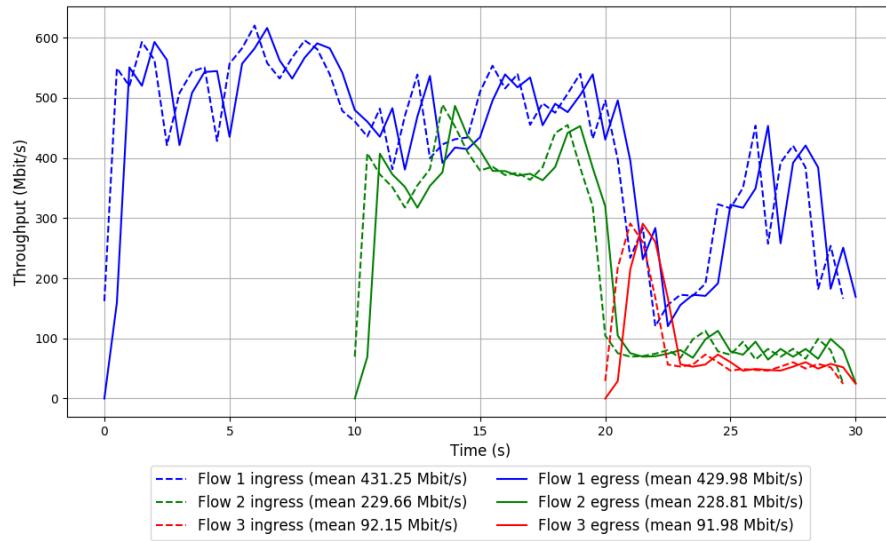


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 09:40:57
End at: 2019-11-24 09:41:27
Local clock offset: 2.854 ms
Remote clock offset: -5.196 ms

# Below is generated by plot.py at 2019-11-24 11:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 610.76 Mbit/s
95th percentile per-packet one-way delay: 5.381 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 429.98 Mbit/s
95th percentile per-packet one-way delay: 6.076 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 228.81 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 1.756 ms
Loss rate: 0.18%
```

Run 5: Report of Muses\_DecisionTreeH0 — Data Link

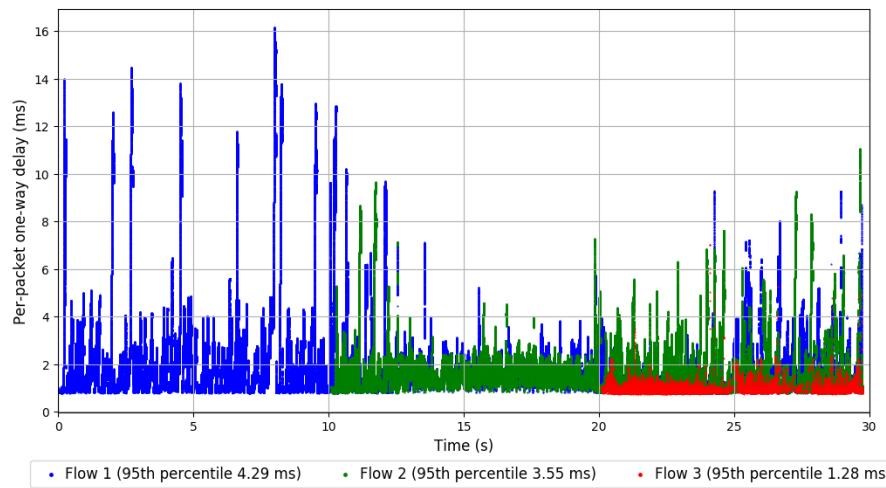
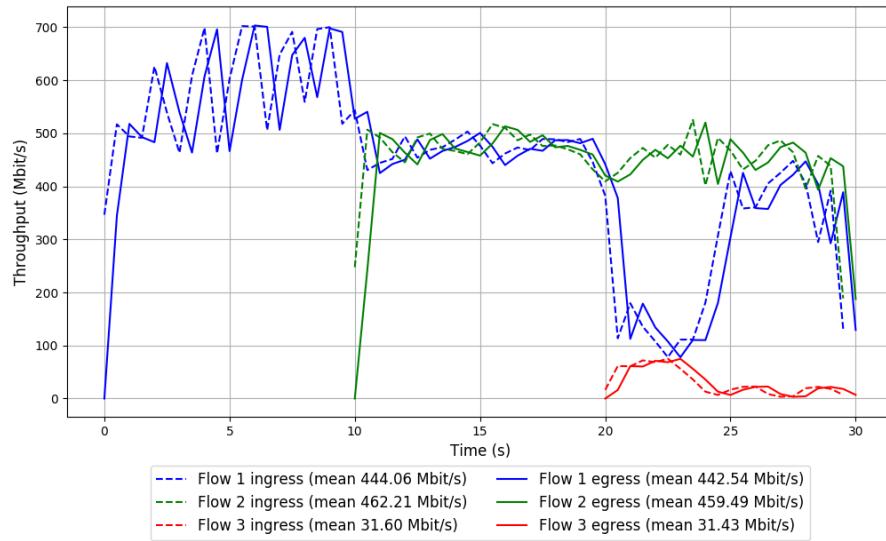


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 07:25:53
End at: 2019-11-24 07:26:23
Local clock offset: 3.957 ms
Remote clock offset: 0.69 ms

# Below is generated by plot.py at 2019-11-24 11:16:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 756.56 Mbit/s
95th percentile per-packet one-way delay: 3.946 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 442.54 Mbit/s
95th percentile per-packet one-way delay: 4.285 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 459.49 Mbit/s
95th percentile per-packet one-way delay: 3.554 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.54%
```

Run 1: Report of Muses\_DecisionTreeR0 — Data Link

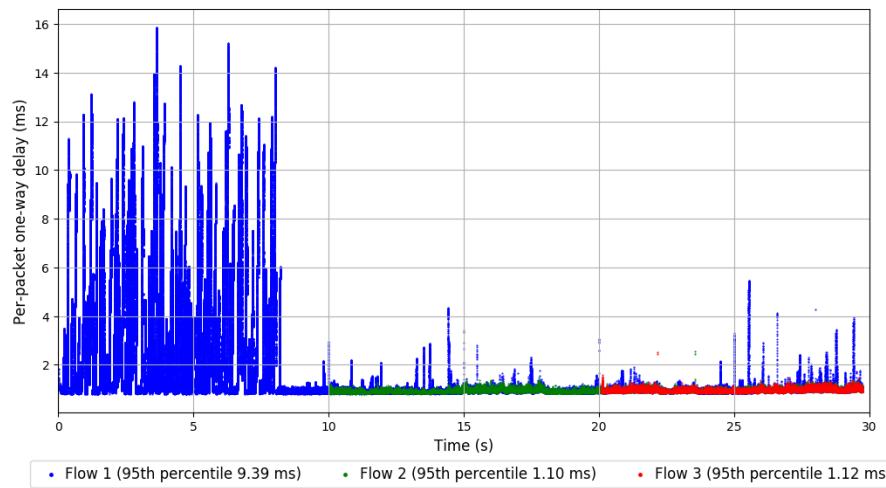
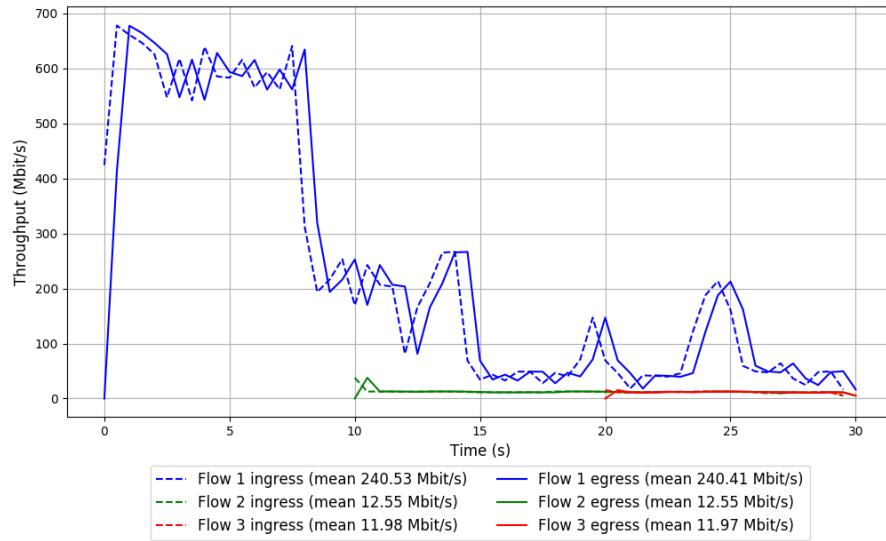


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 08:01:04
End at: 2019-11-24 08:01:34
Local clock offset: 4.546 ms
Remote clock offset: 1.054 ms

# Below is generated by plot.py at 2019-11-24 11:16:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 252.59 Mbit/s
95th percentile per-packet one-way delay: 9.278 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 240.41 Mbit/s
95th percentile per-packet one-way delay: 9.390 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
```

Run 2: Report of Muses\_DecisionTreeR0 — Data Link

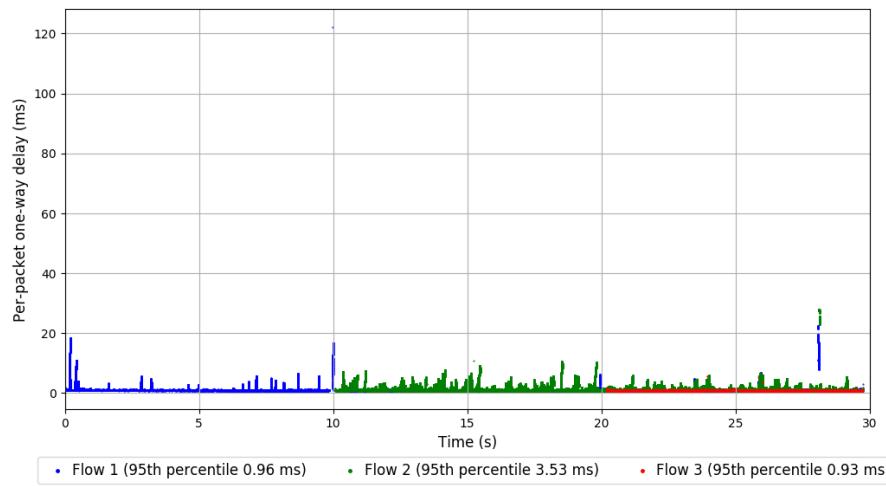
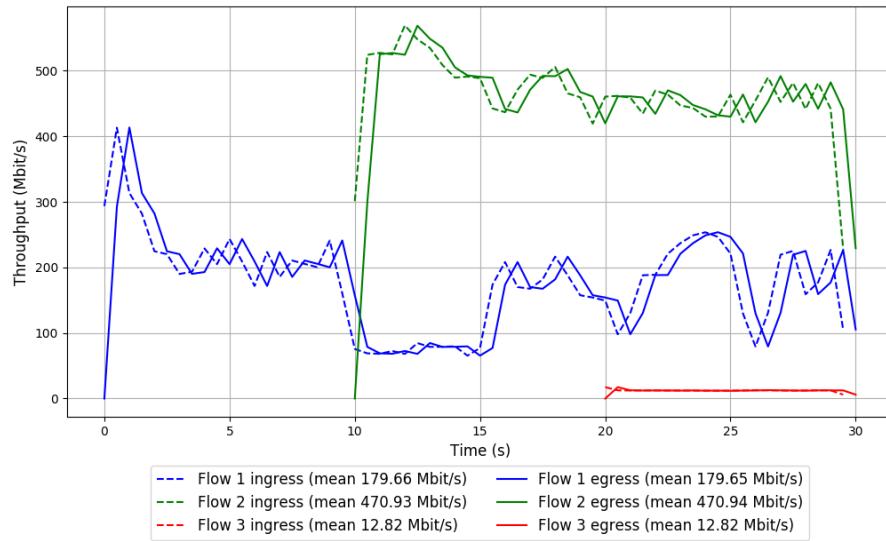


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 08:36:11
End at: 2019-11-24 08:36:41
Local clock offset: 3.518 ms
Remote clock offset: 2.084 ms

# Below is generated by plot.py at 2019-11-24 11:16:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 495.56 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 470.94 Mbit/s
95th percentile per-packet one-way delay: 3.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 0.927 ms
Loss rate: 0.00%
```

Run 3: Report of Muses\_DecisionTreeR0 — Data Link

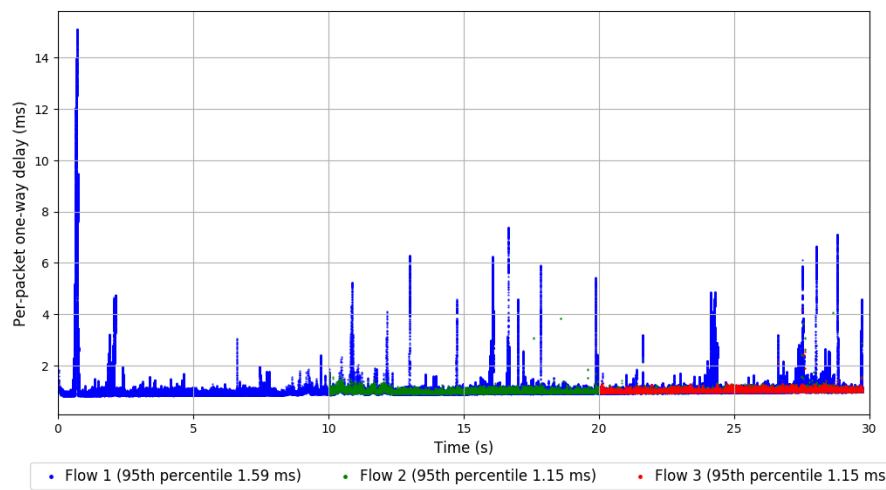
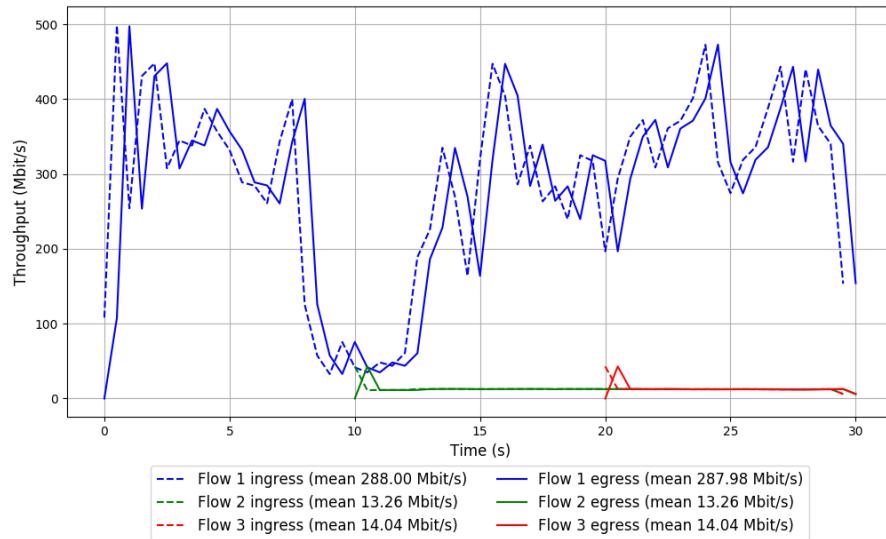


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 09:11:52
End at: 2019-11-24 09:12:22
Local clock offset: 3.2 ms
Remote clock offset: -1.009 ms

# Below is generated by plot.py at 2019-11-24 11:16:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.34 Mbit/s
95th percentile per-packet one-way delay: 1.543 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 287.98 Mbit/s
95th percentile per-packet one-way delay: 1.589 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.00%
```

Run 4: Report of Muses\_DecisionTreeR0 — Data Link

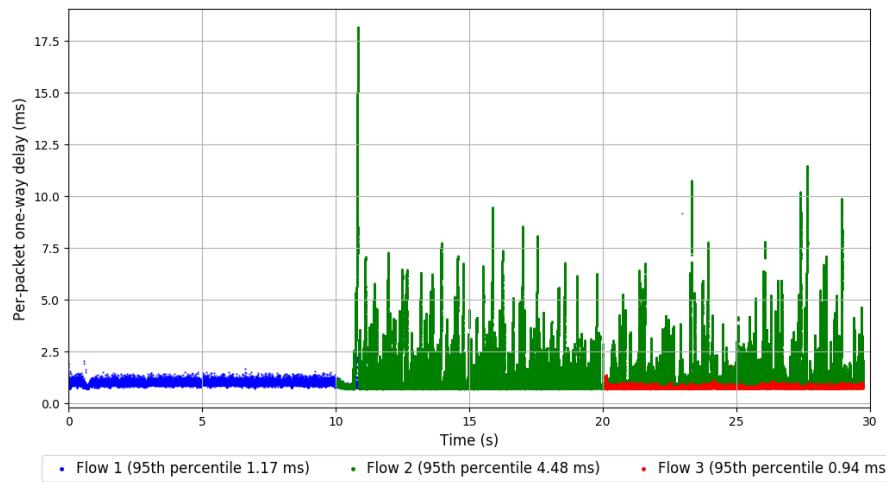
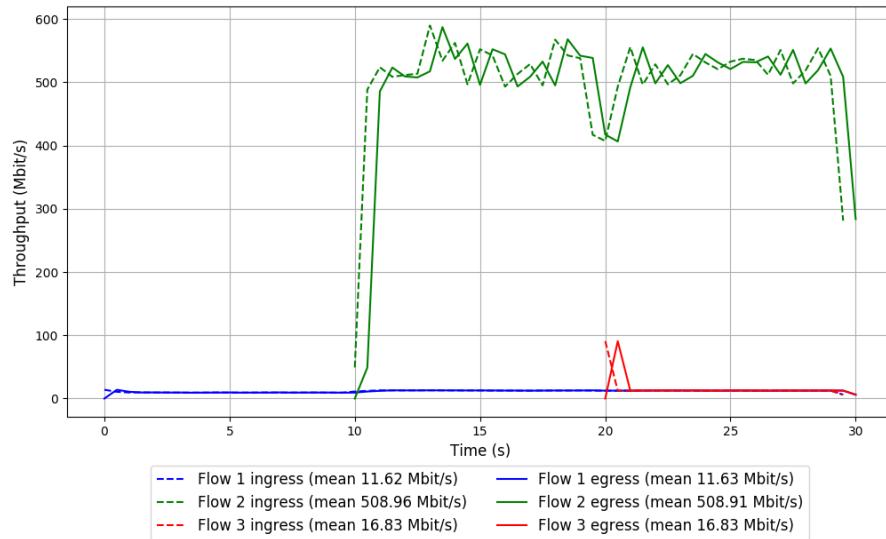


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 09:46:58
End at: 2019-11-24 09:47:28
Local clock offset: 2.965 ms
Remote clock offset: -5.725 ms

# Below is generated by plot.py at 2019-11-24 11:16:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.66 Mbit/s
95th percentile per-packet one-way delay: 4.378 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 508.91 Mbit/s
95th percentile per-packet one-way delay: 4.478 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.00%
```

Run 5: Report of Muses\_DecisionTreeR0 — Data Link

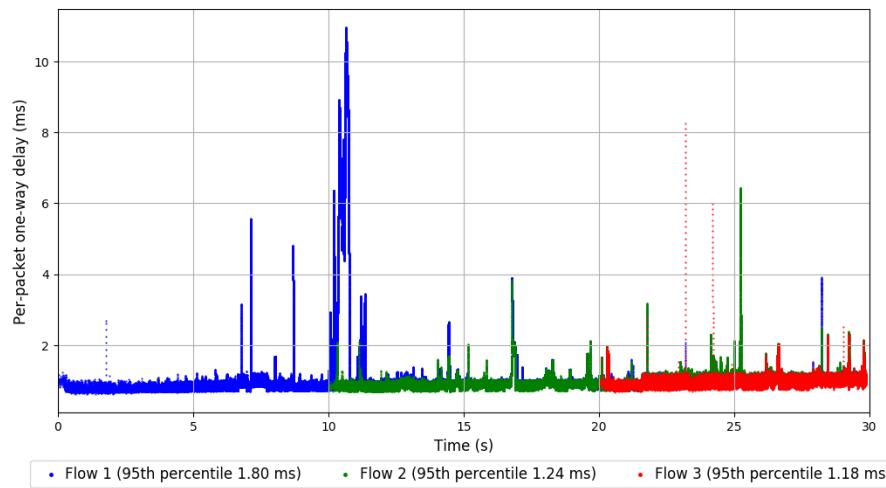
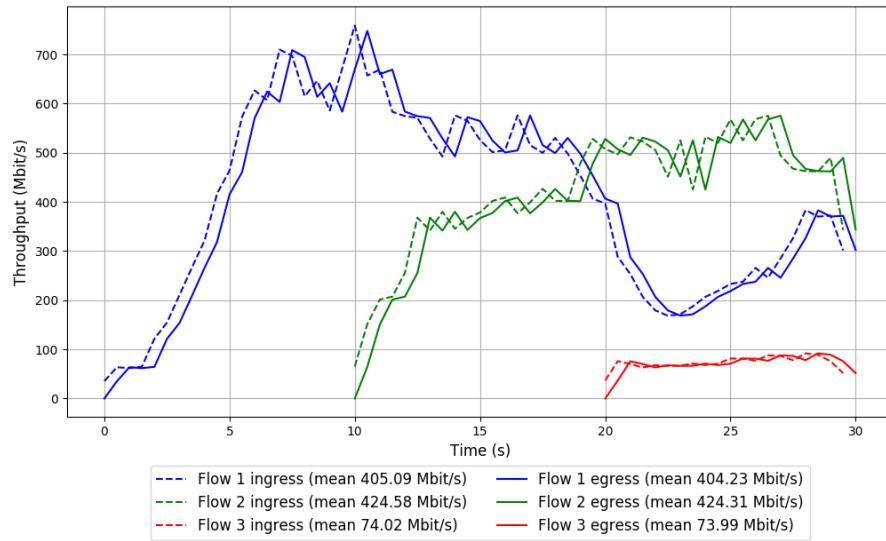


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-11-24 07:18:15
End at: 2019-11-24 07:18:45
Local clock offset: 3.472 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2019-11-24 11:20:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 710.66 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 404.23 Mbit/s
95th percentile per-packet one-way delay: 1.803 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 424.31 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.04%
```

Run 1: Report of PCC-Allegro — Data Link

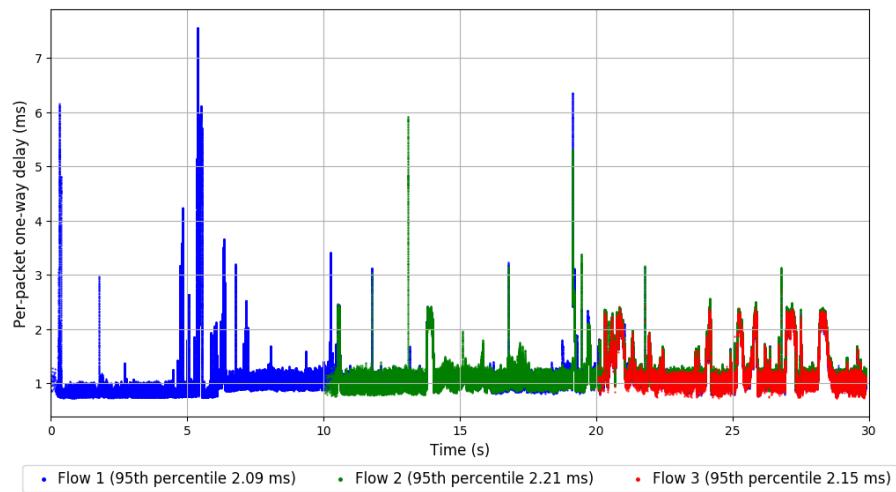
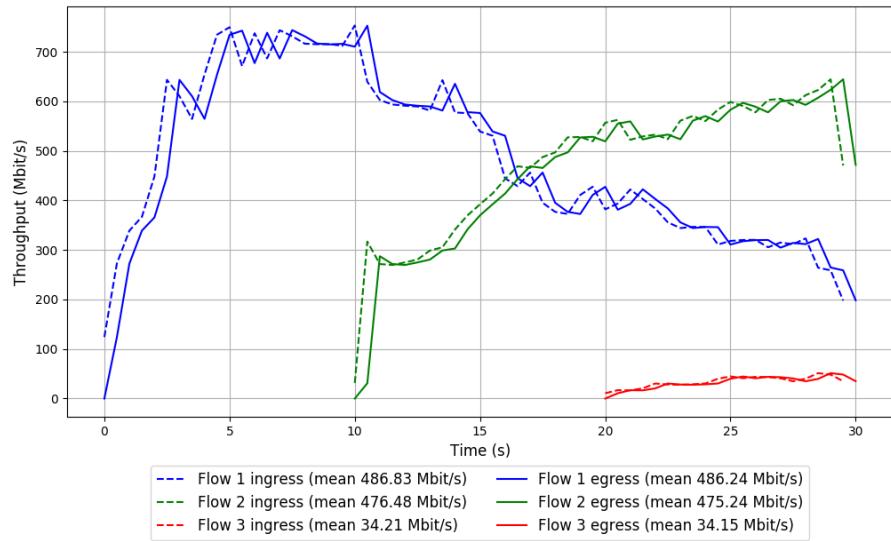


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-24 07:53:34
End at: 2019-11-24 07:54:04
Local clock offset: 4.441 ms
Remote clock offset: 1.97 ms

# Below is generated by plot.py at 2019-11-24 11:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 813.34 Mbit/s
95th percentile per-packet one-way delay: 2.158 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 486.24 Mbit/s
95th percentile per-packet one-way delay: 2.090 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 475.24 Mbit/s
95th percentile per-packet one-way delay: 2.205 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 2.153 ms
Loss rate: 0.19%
```

Run 2: Report of PCC-Allegro — Data Link

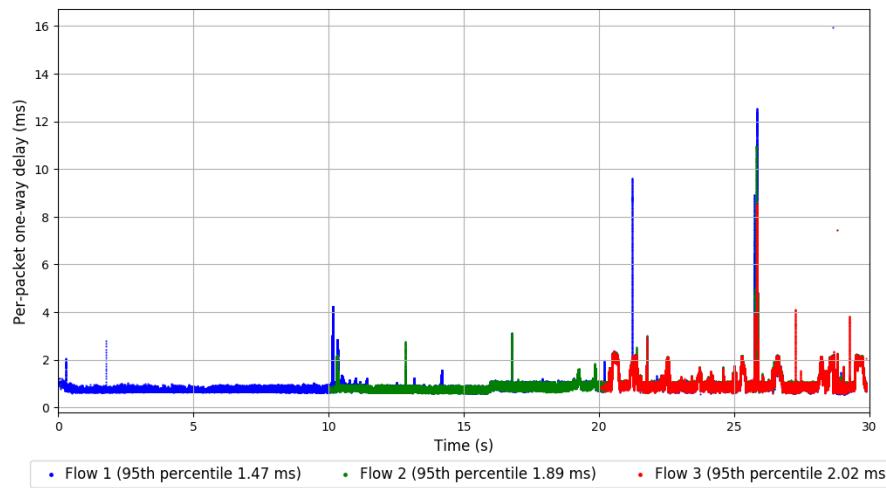
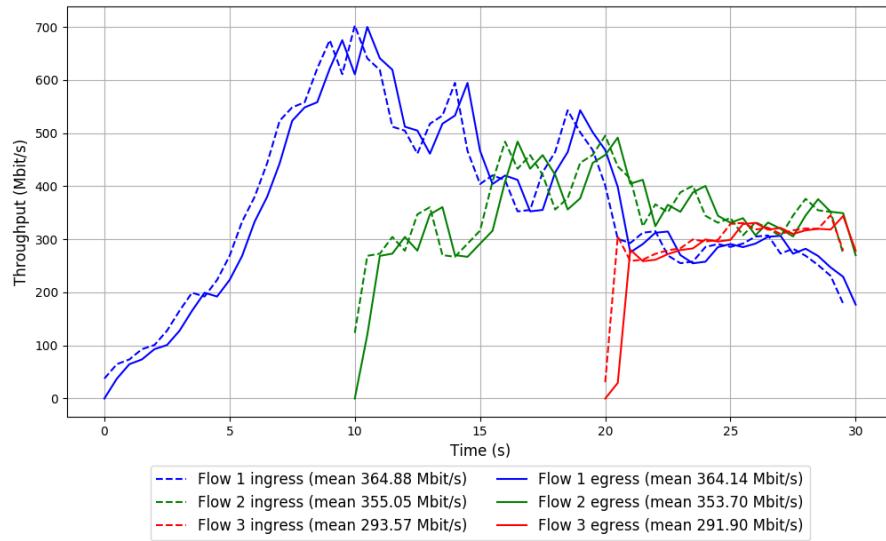


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-24 08:28:52
End at: 2019-11-24 08:29:22
Local clock offset: 3.62 ms
Remote clock offset: 0.337 ms

# Below is generated by plot.py at 2019-11-24 11:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 695.45 Mbit/s
95th percentile per-packet one-way delay: 1.839 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 364.14 Mbit/s
95th percentile per-packet one-way delay: 1.469 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 353.70 Mbit/s
95th percentile per-packet one-way delay: 1.885 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 291.90 Mbit/s
95th percentile per-packet one-way delay: 2.022 ms
Loss rate: 0.56%
```

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

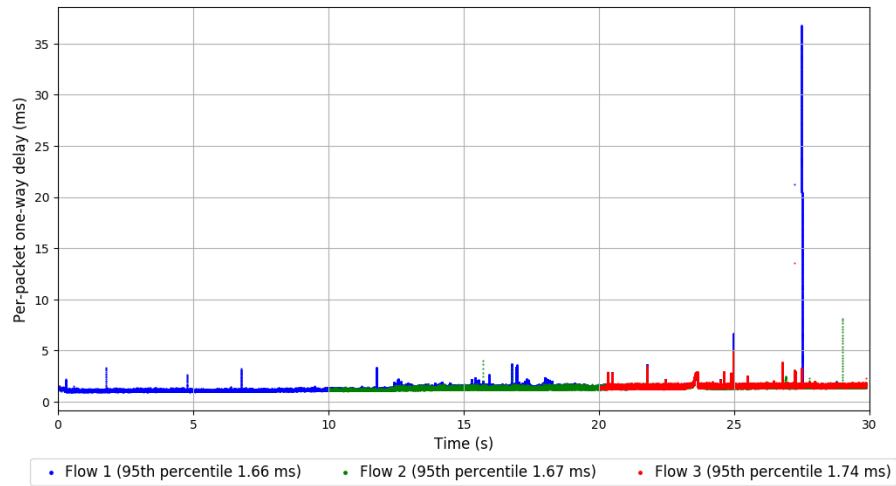
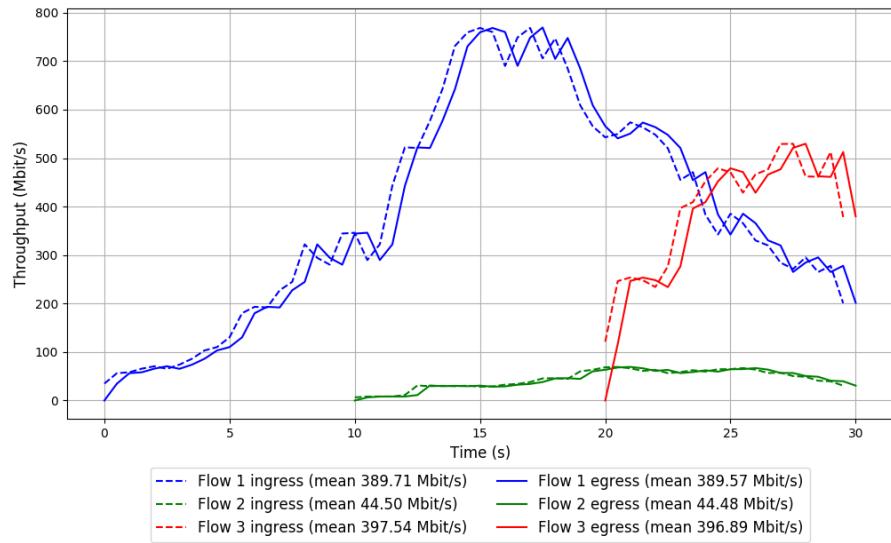


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-24 09:04:18
End at: 2019-11-24 09:04:48
Local clock offset: 3.274 ms
Remote clock offset: 2.846 ms

# Below is generated by plot.py at 2019-11-24 11:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 550.04 Mbit/s
95th percentile per-packet one-way delay: 1.692 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 389.57 Mbit/s
95th percentile per-packet one-way delay: 1.659 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.48 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 396.89 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 0.15%
```

Run 4: Report of PCC-Allegro — Data Link

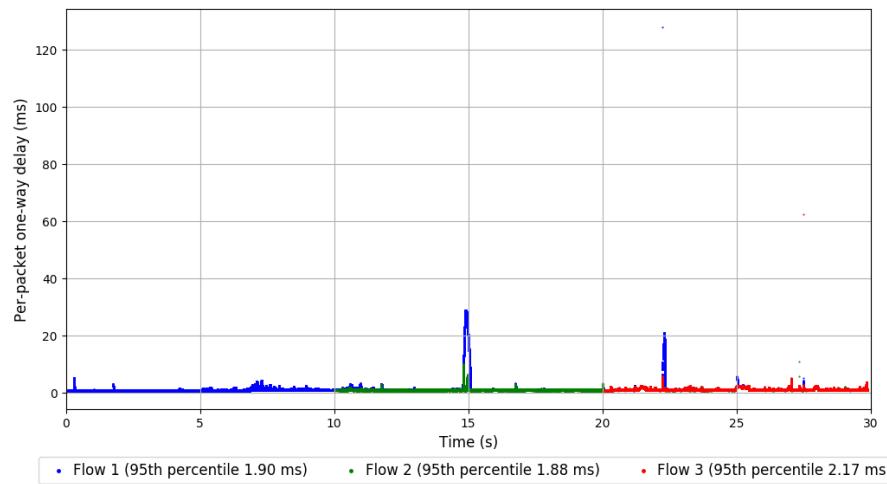
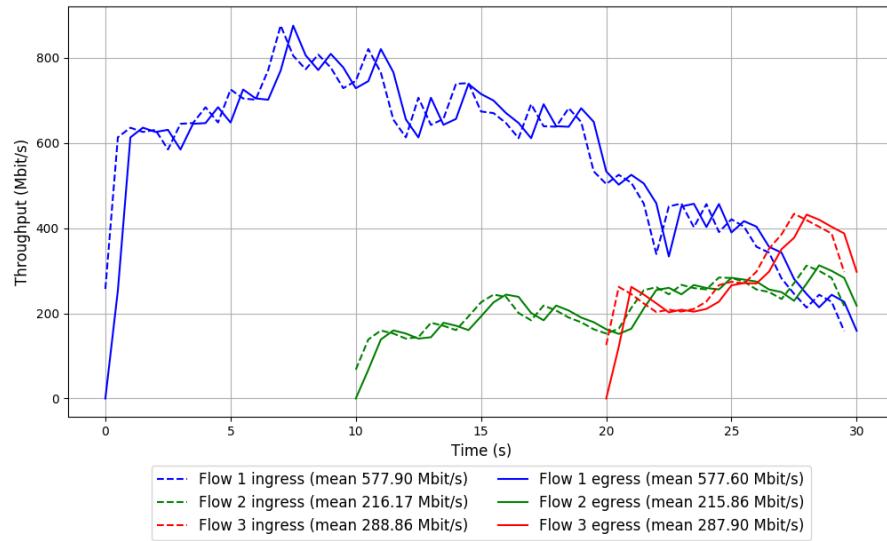


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-24 09:39:23
End at: 2019-11-24 09:39:53
Local clock offset: 2.843 ms
Remote clock offset: -5.172 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 816.10 Mbit/s
95th percentile per-packet one-way delay: 1.970 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 577.60 Mbit/s
95th percentile per-packet one-way delay: 1.895 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 215.86 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 287.90 Mbit/s
95th percentile per-packet one-way delay: 2.165 ms
Loss rate: 0.33%
```

Run 5: Report of PCC-Allegro — Data Link

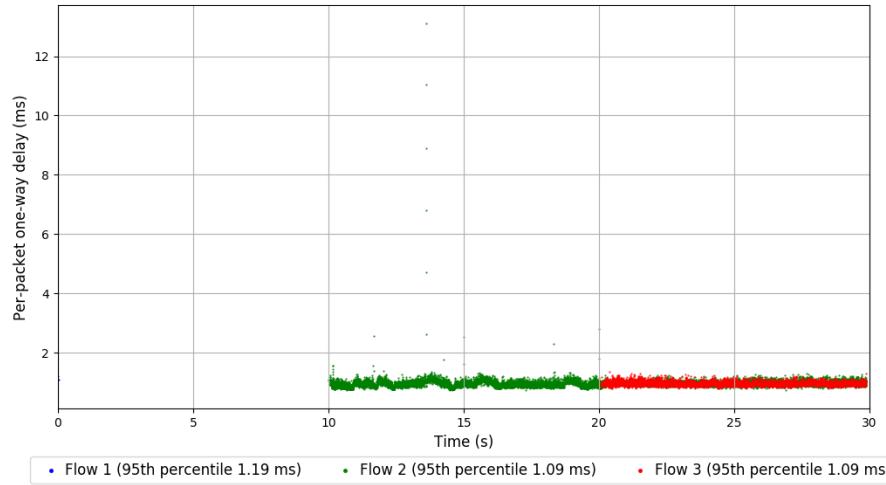
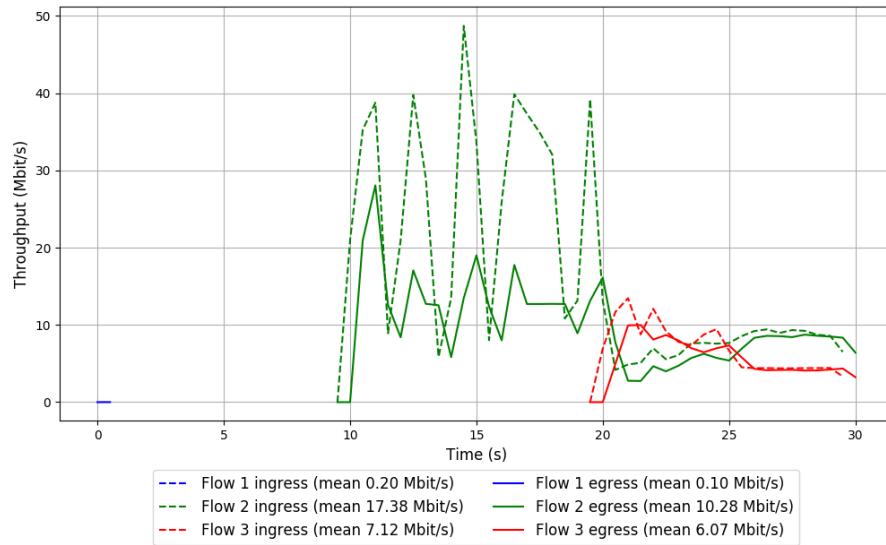


Run 1: Statistics of PCC-Expr

```
Start at: 2019-11-24 07:40:47
End at: 2019-11-24 07:41:17
Local clock offset: 4.48 ms
Remote clock offset: 1.488 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 36.46%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 40.88%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 14.73%
```

## Run 1: Report of PCC-Expr — Data Link

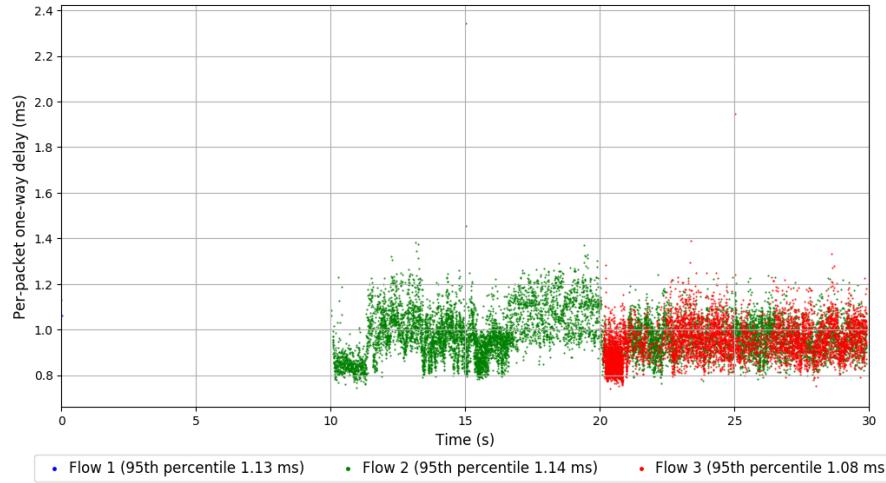
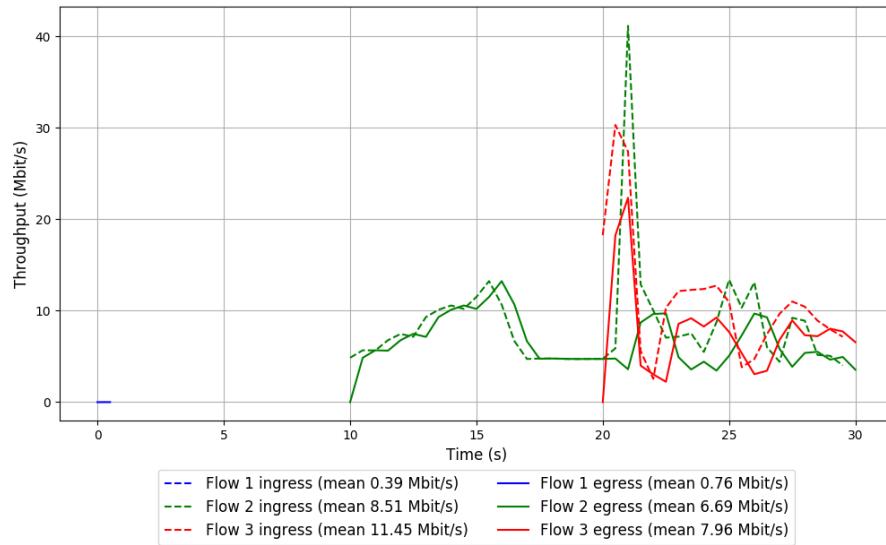


Run 2: Statistics of PCC-Expr

```
Start at: 2019-11-24 08:15:43
End at: 2019-11-24 08:16:13
Local clock offset: 4.069 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 25.02%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 21.40%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 30.43%
```

Run 2: Report of PCC-Expr — Data Link

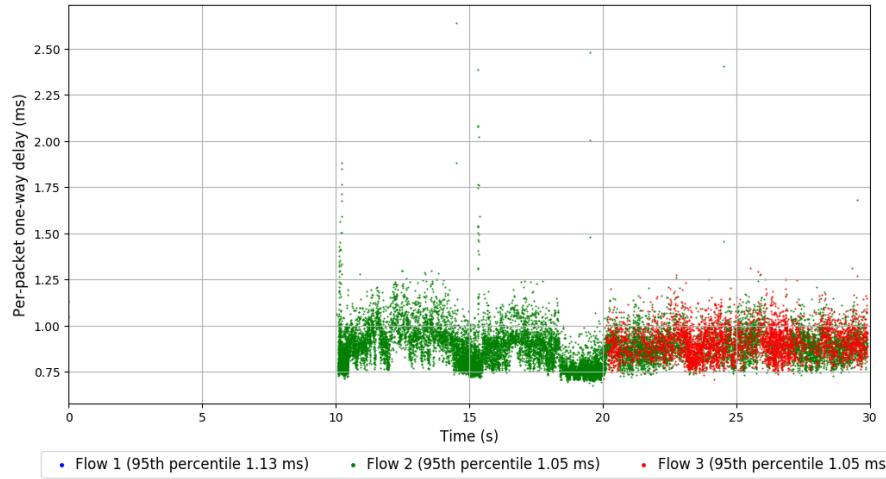
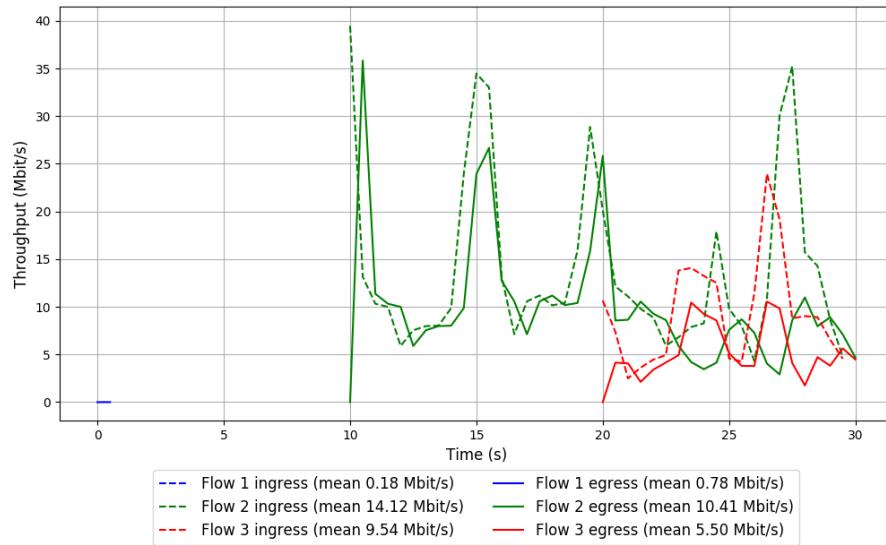


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-24 08:51:04
End at: 2019-11-24 08:51:34
Local clock offset: 3.388 ms
Remote clock offset: 3.494 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 30.31%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 26.29%
-- Flow 3:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 42.30%
```

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

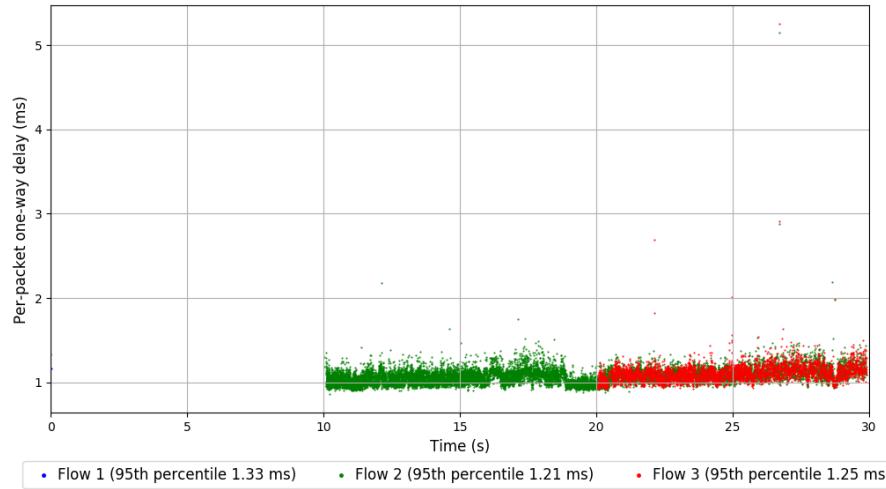
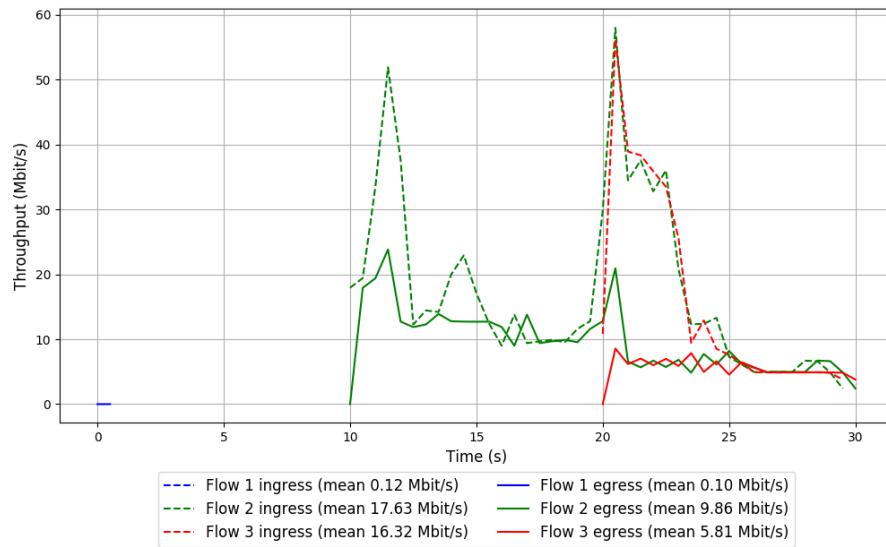


Run 4: Statistics of PCC-Expr

```
Start at: 2019-11-24 09:26:34
End at: 2019-11-24 09:27:04
Local clock offset: 2.918 ms
Remote clock offset: -3.883 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 50.45%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 44.04%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 64.39%
```

Run 4: Report of PCC-Expr — Data Link

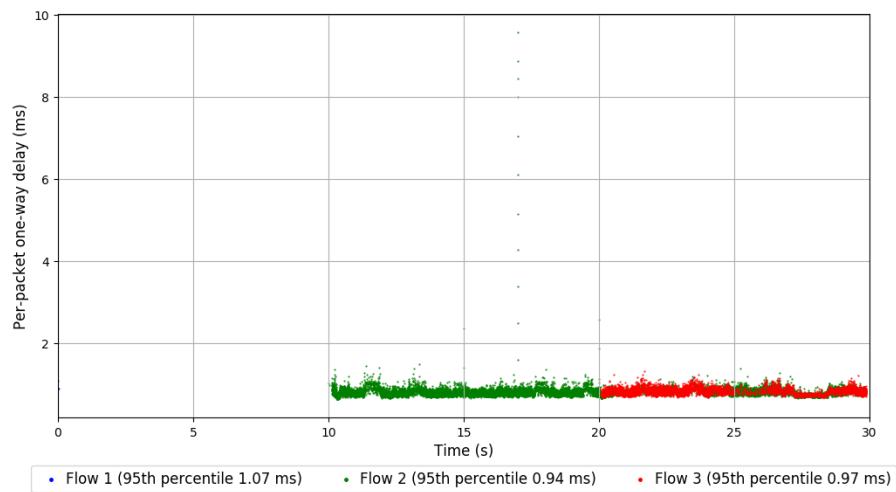
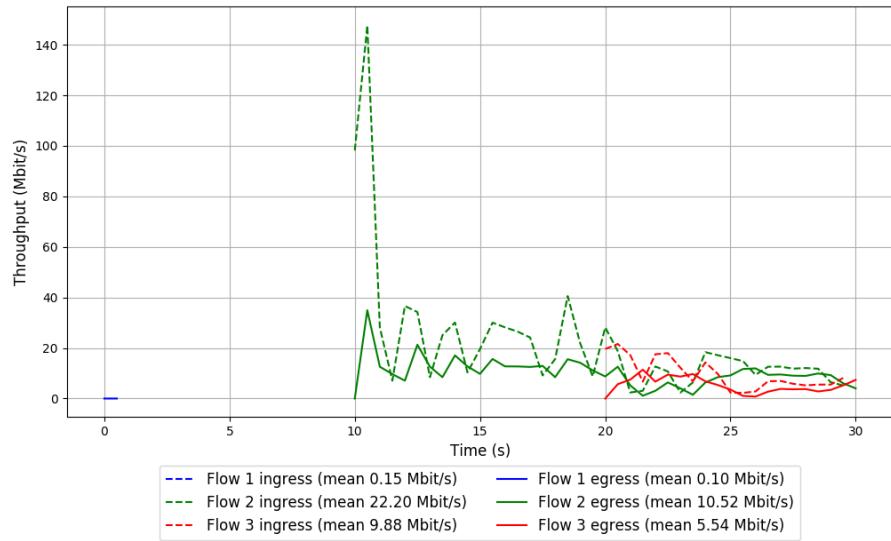


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-24 10:01:55
End at: 2019-11-24 10:02:25
Local clock offset: 3.045 ms
Remote clock offset: -6.81 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 0.947 ms
Loss rate: 51.04%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 52.61%
-- Flow 3:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 0.967 ms
Loss rate: 43.90%
```

Run 5: Report of PCC-Expr — Data Link

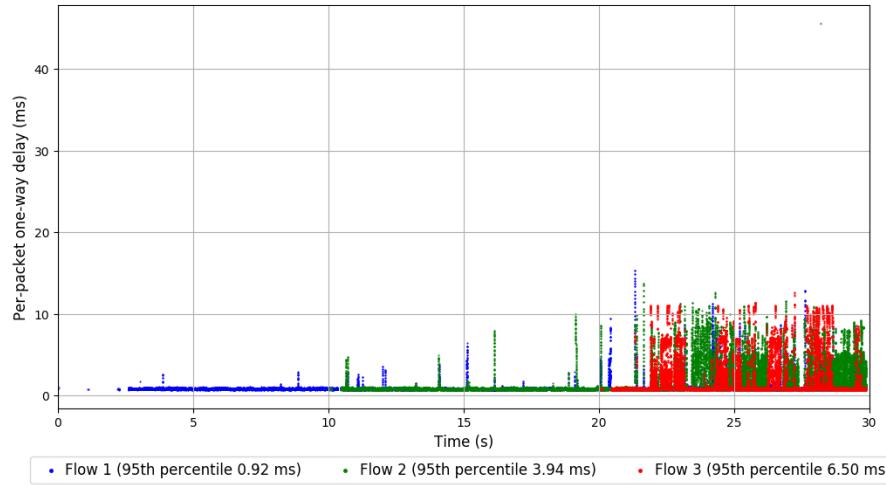
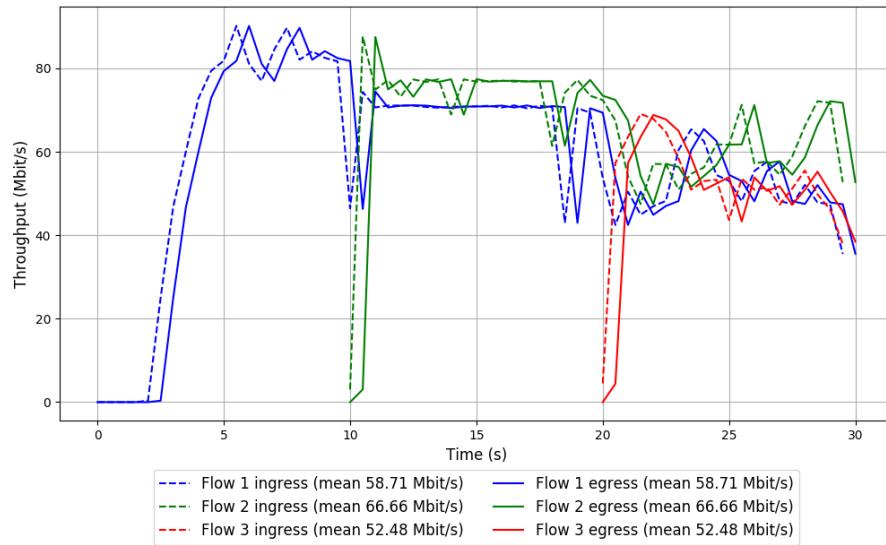


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-11-24 07:49:21
End at: 2019-11-24 07:49:51
Local clock offset: 4.415 ms
Remote clock offset: 1.782 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.22 Mbit/s
95th percentile per-packet one-way delay: 2.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 3.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 6.502 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

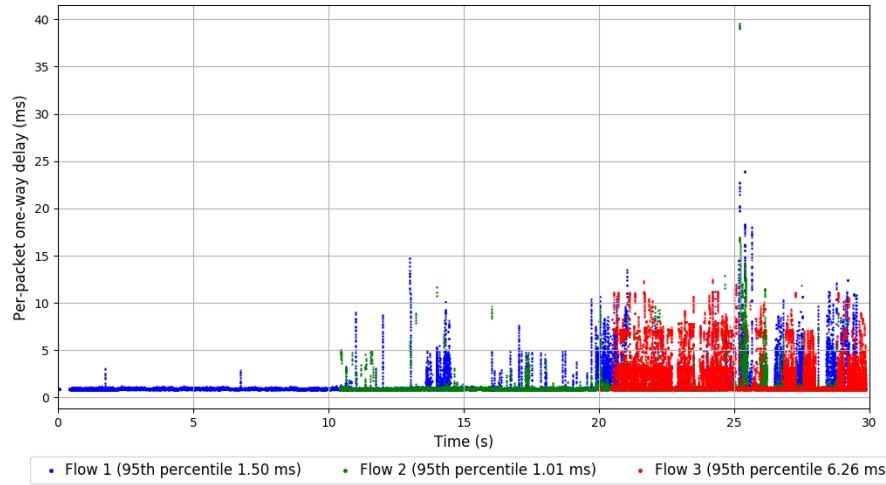
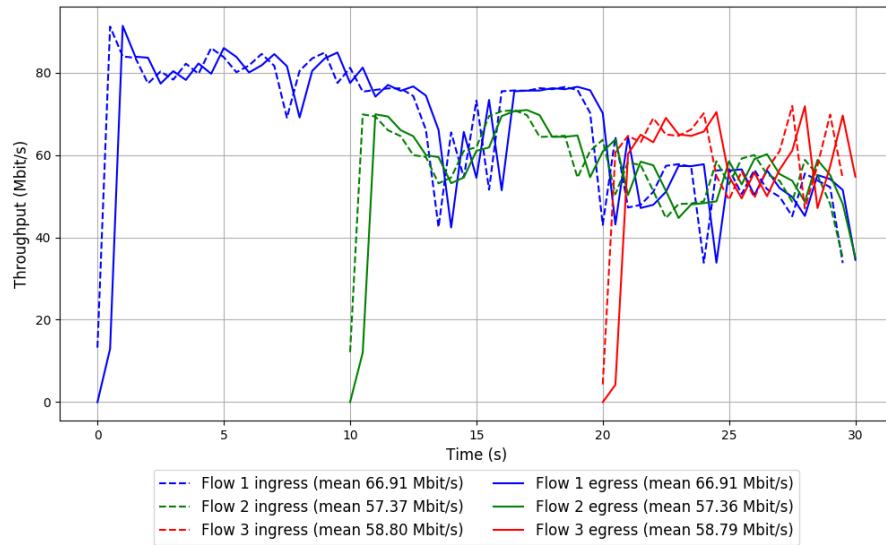


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-24 08:24:40
End at: 2019-11-24 08:25:10
Local clock offset: 3.645 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.36 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 6.261 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

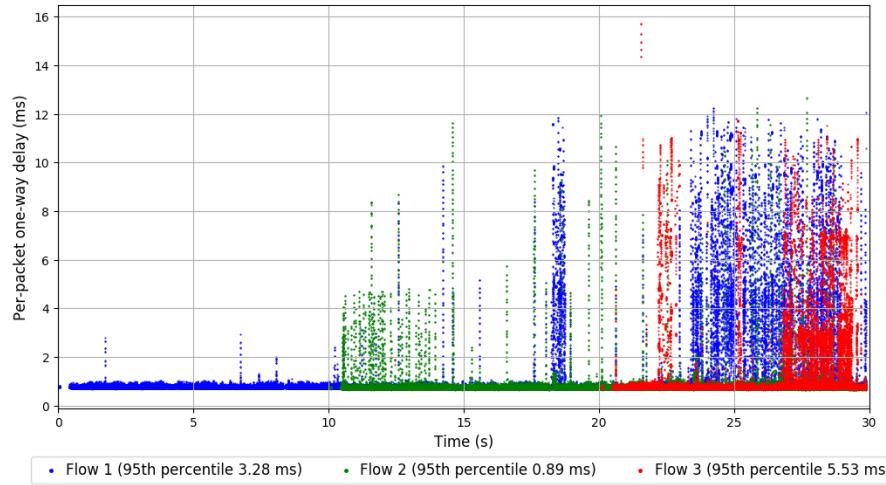
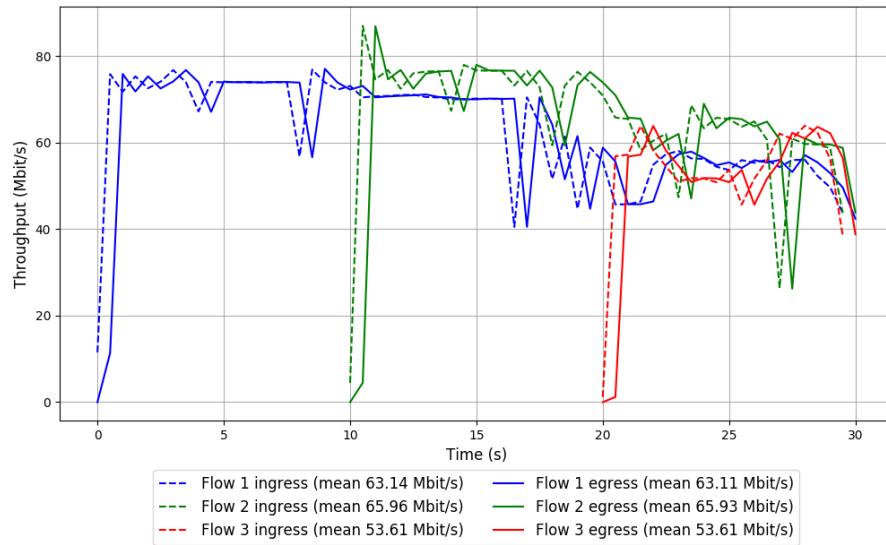


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-24 09:00:05
End at: 2019-11-24 09:00:35
Local clock offset: 3.324 ms
Remote clock offset: 3.924 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.43 Mbit/s
95th percentile per-packet one-way delay: 2.772 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 0.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 5.530 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

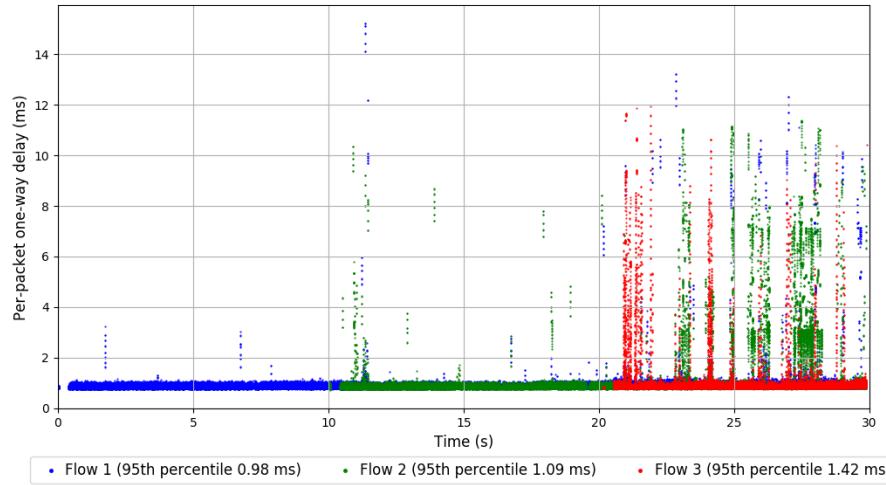
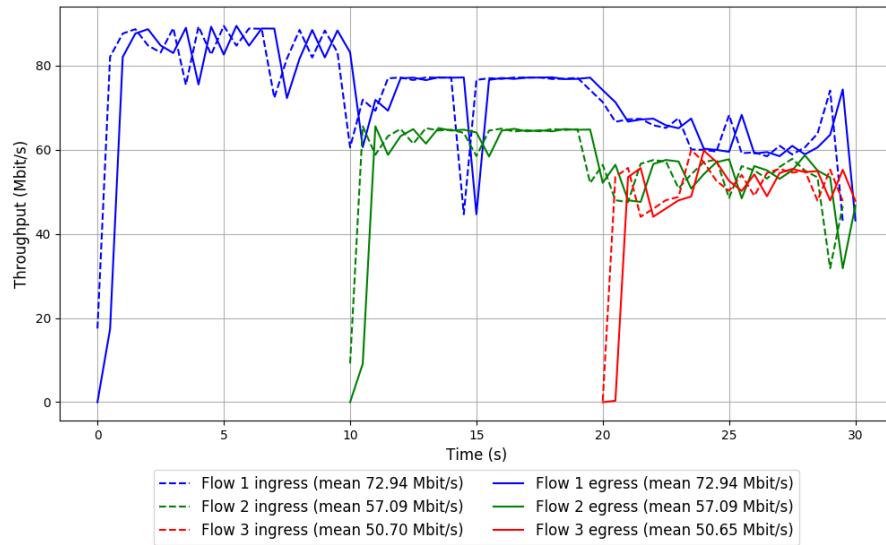


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-24 09:35:15
End at: 2019-11-24 09:35:45
Local clock offset: 2.84 ms
Remote clock offset: -4.823 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.37 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 1.418 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

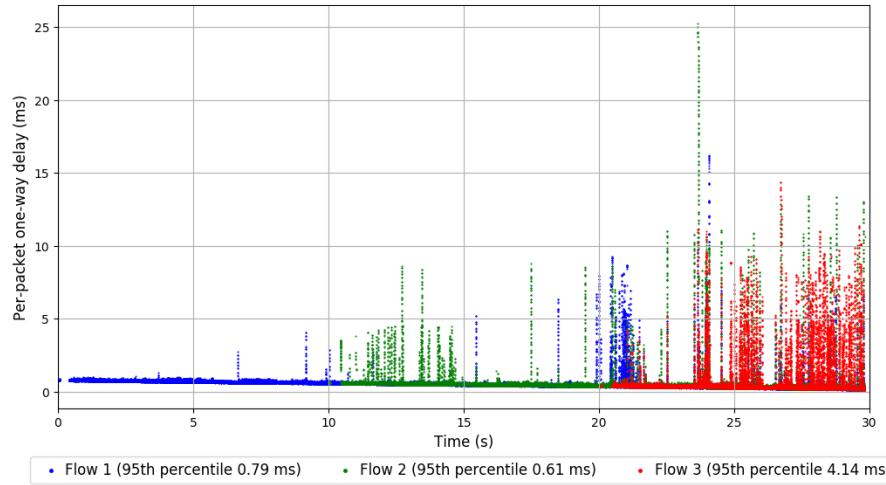
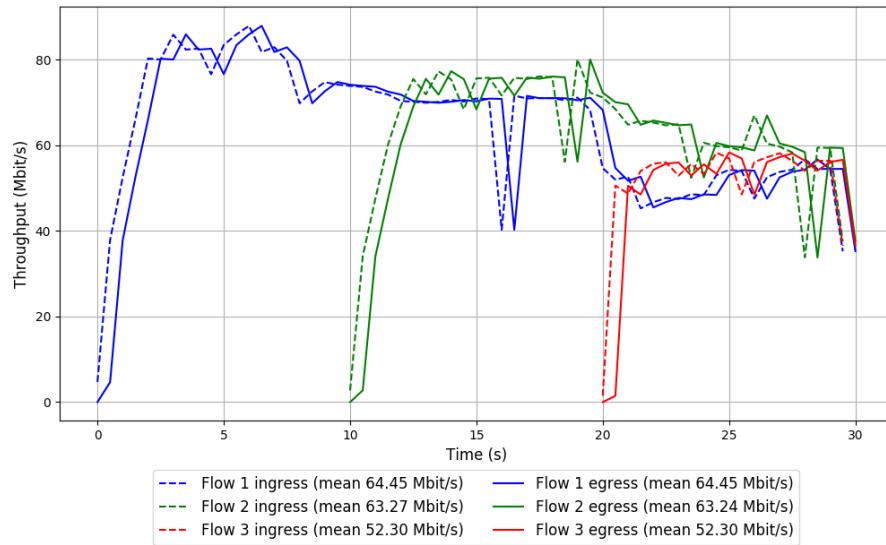


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-24 10:10:44
End at: 2019-11-24 10:11:14
Local clock offset: 2.994 ms
Remote clock offset: -7.283 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.60 Mbit/s
95th percentile per-packet one-way delay: 0.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 0.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.24 Mbit/s
95th percentile per-packet one-way delay: 0.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.30 Mbit/s
95th percentile per-packet one-way delay: 4.145 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

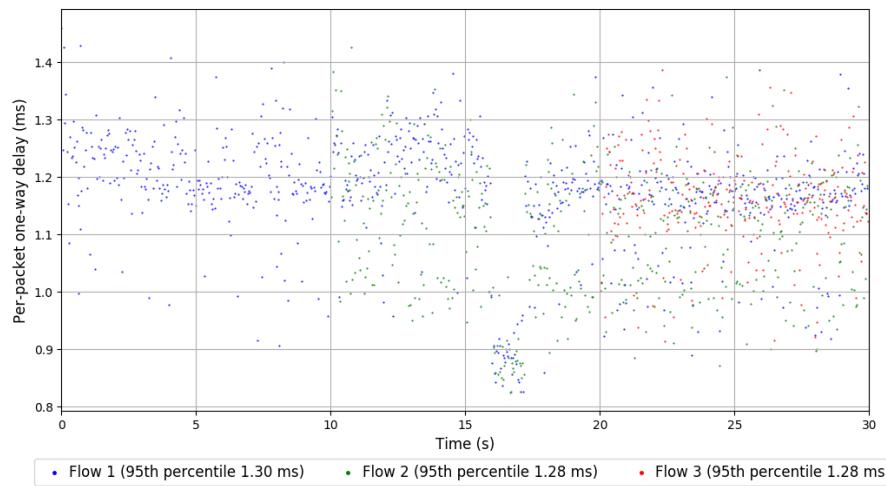
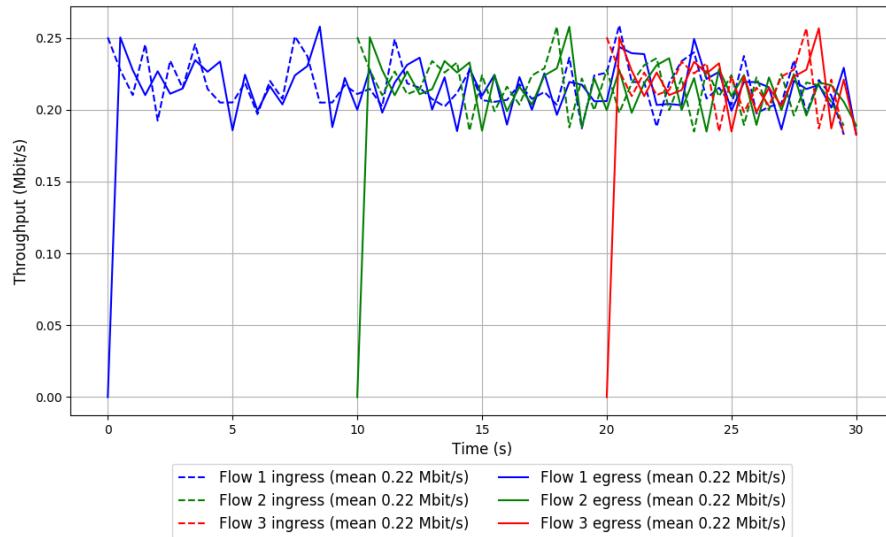


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-11-24 07:30:37
End at: 2019-11-24 07:31:07
Local clock offset: 4.212 ms
Remote clock offset: 1.036 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

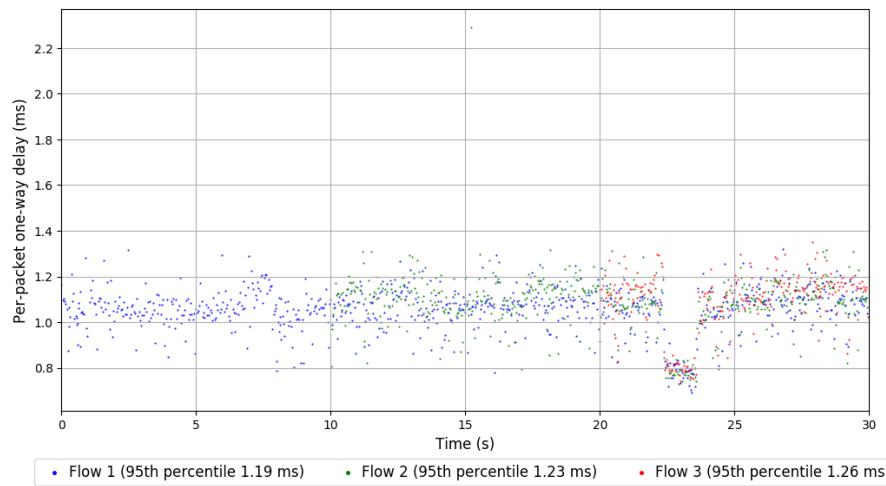
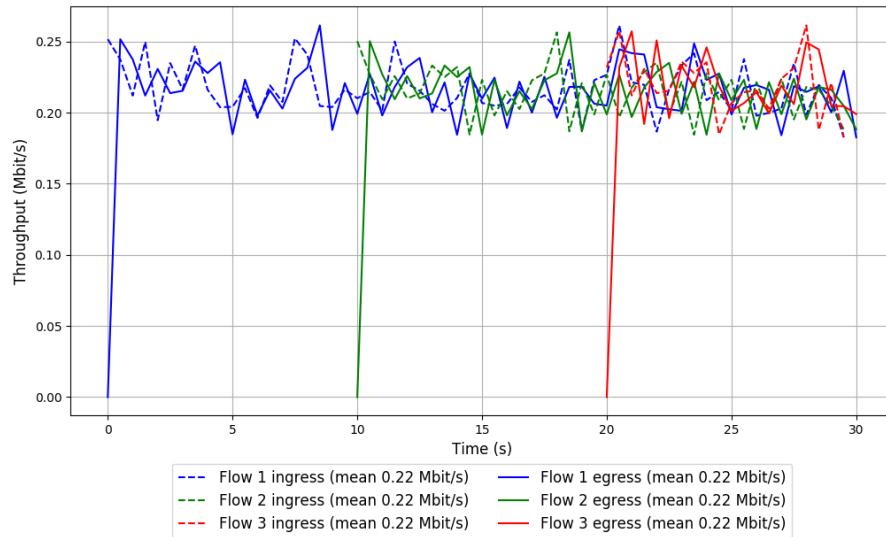


Run 2: Statistics of SCReAM

```
Start at: 2019-11-24 08:05:30
End at: 2019-11-24 08:06:00
Local clock offset: 4.642 ms
Remote clock offset: 0.635 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

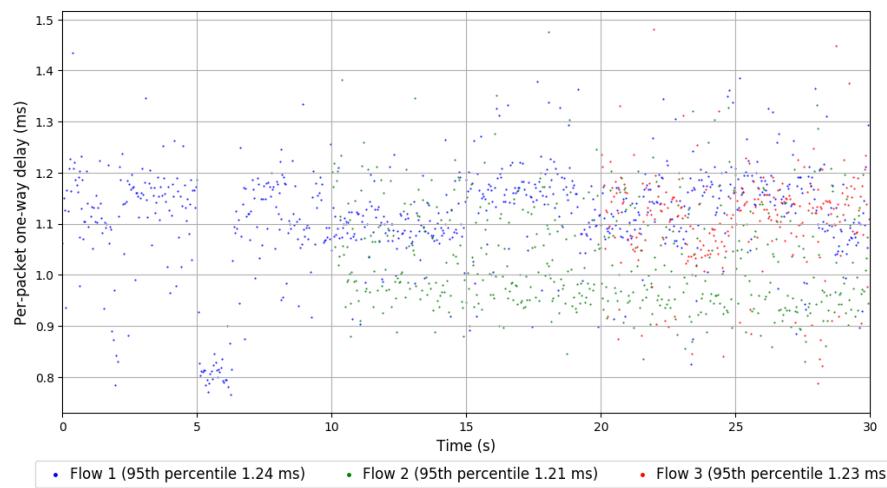
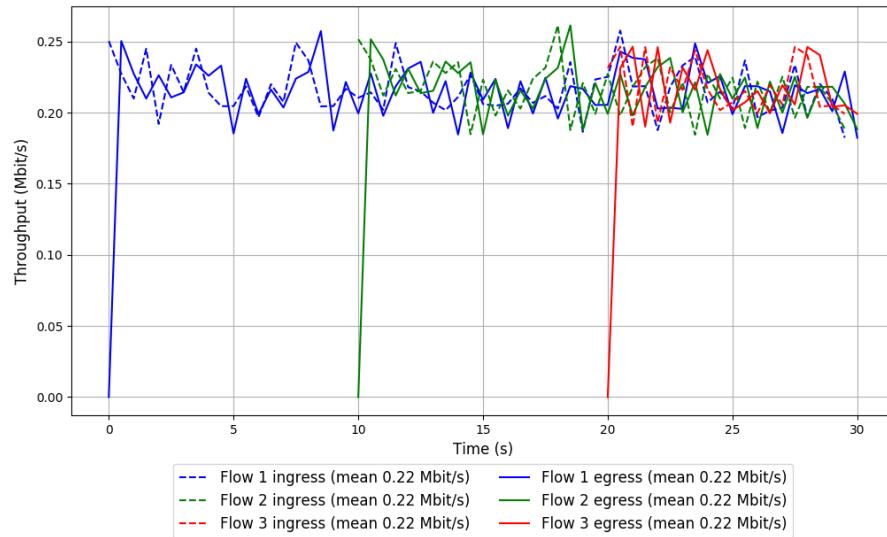


Run 3: Statistics of SCReAM

```
Start at: 2019-11-24 08:40:48
End at: 2019-11-24 08:41:18
Local clock offset: 3.461 ms
Remote clock offset: 2.705 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

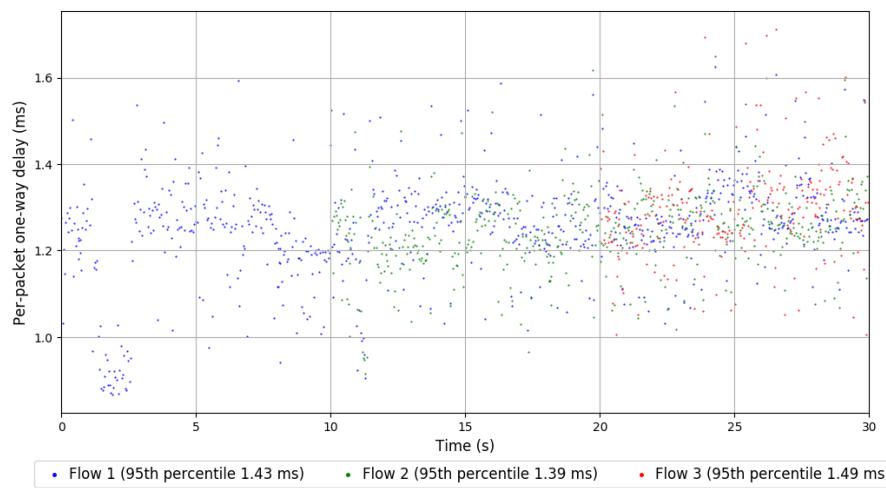
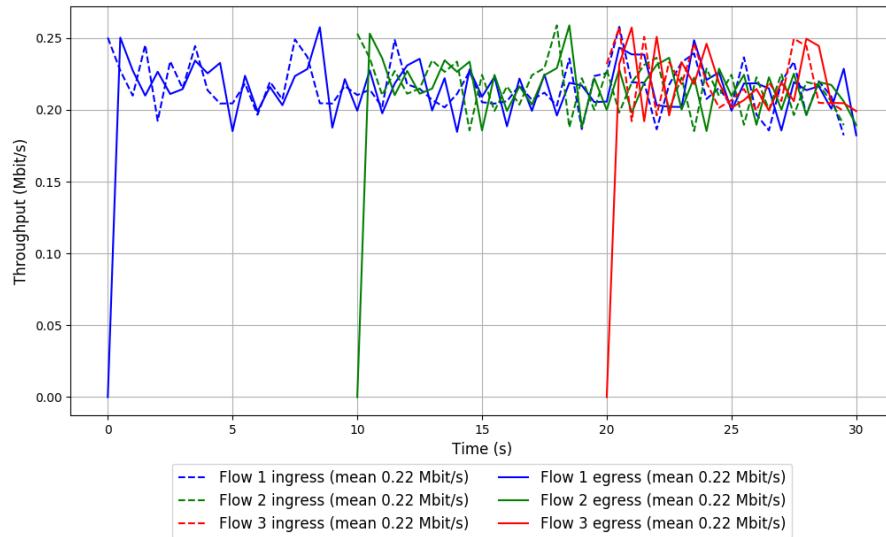


Run 4: Statistics of SCReAM

```
Start at: 2019-11-24 09:16:21
End at: 2019-11-24 09:16:51
Local clock offset: 3.073 ms
Remote clock offset: -2.293 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.486 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

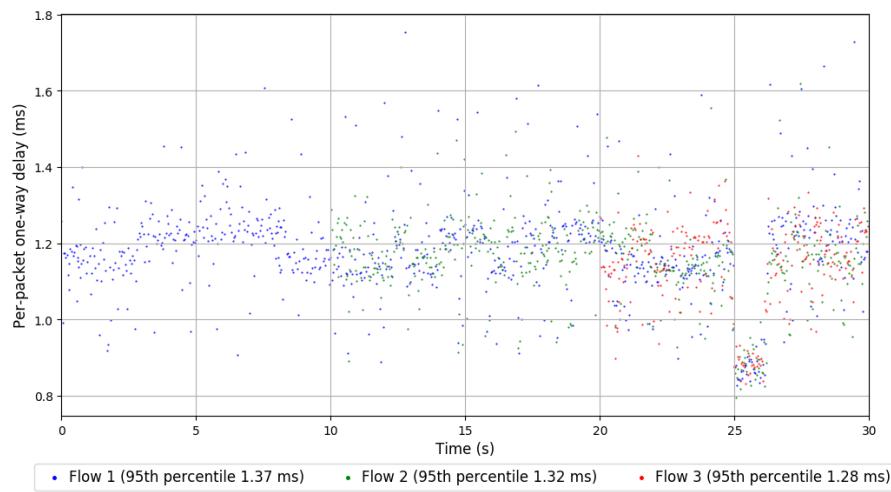
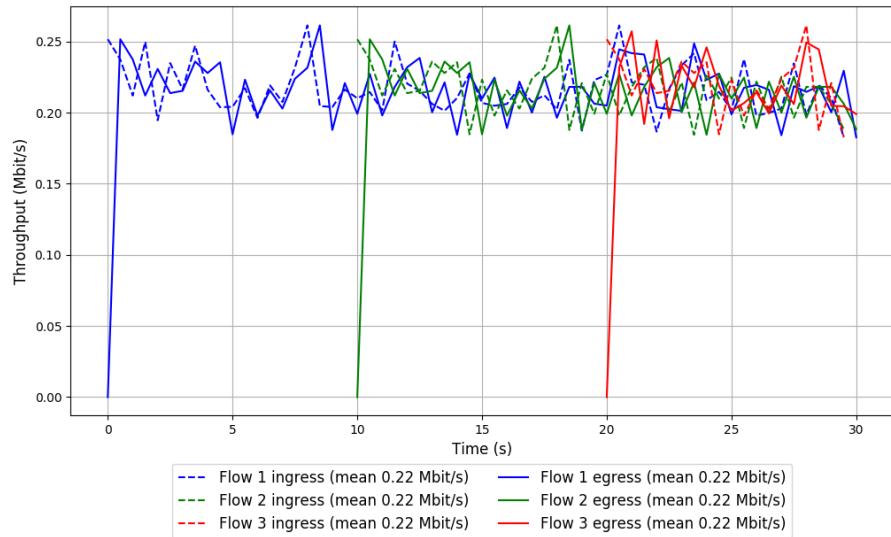


Run 5: Statistics of SCReAM

```
Start at: 2019-11-24 09:51:28
End at: 2019-11-24 09:51:58
Local clock offset: 3.025 ms
Remote clock offset: -5.966 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

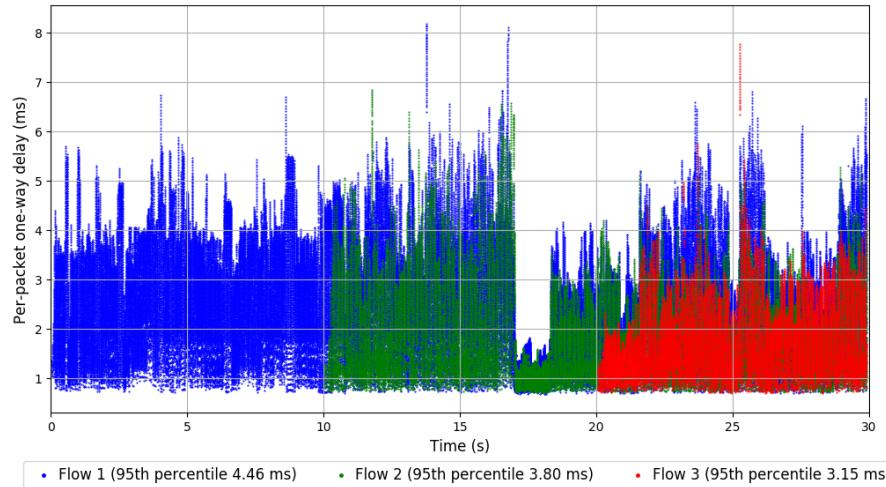
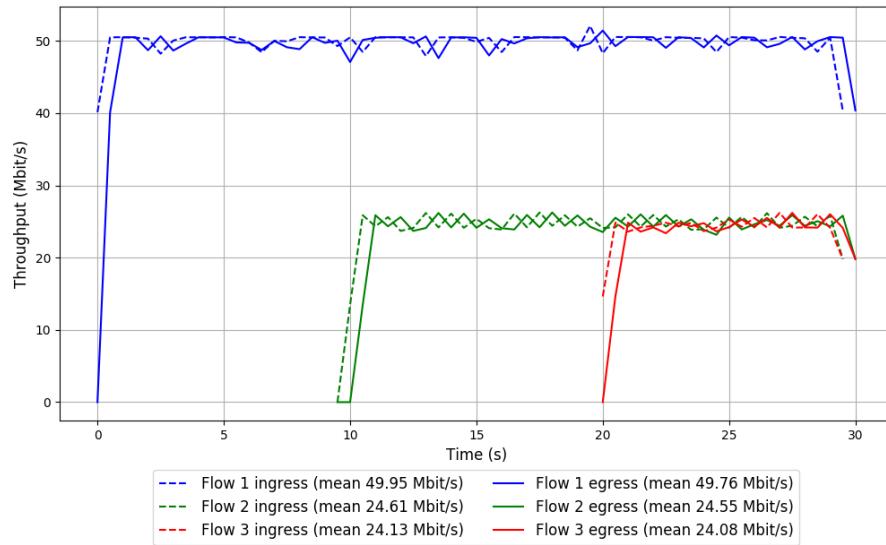


Run 1: Statistics of Sprout

```
Start at: 2019-11-24 07:43:36
End at: 2019-11-24 07:44:06
Local clock offset: 4.437 ms
Remote clock offset: 1.553 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 4.288 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 4.463 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 3.148 ms
Loss rate: 0.22%
```

Run 1: Report of Sprout — Data Link

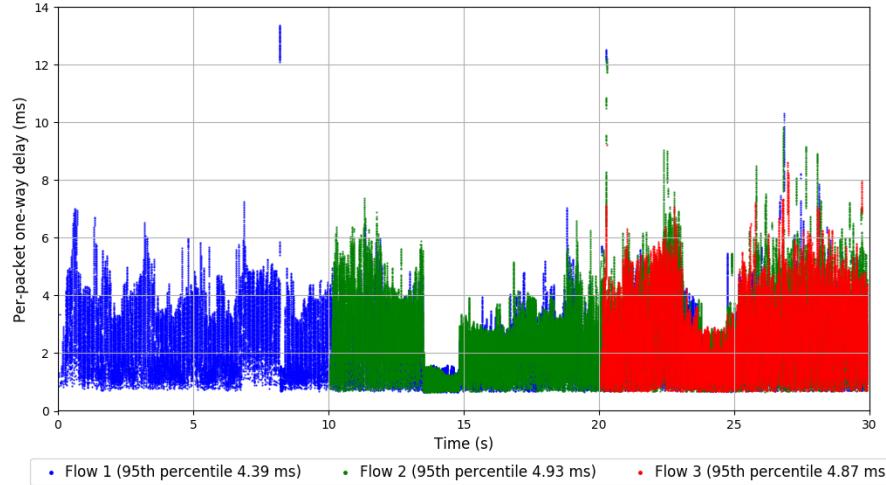
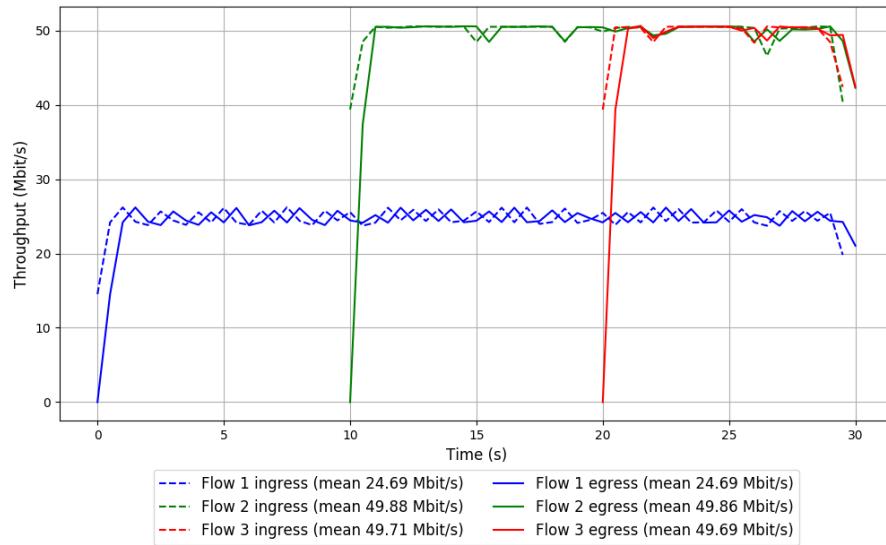


Run 2: Statistics of Sprout

```
Start at: 2019-11-24 08:18:39
End at: 2019-11-24 08:19:09
Local clock offset: 3.868 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 4.756 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 4.390 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 4.927 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 4.870 ms
Loss rate: 0.02%
```

Run 2: Report of Sprout — Data Link

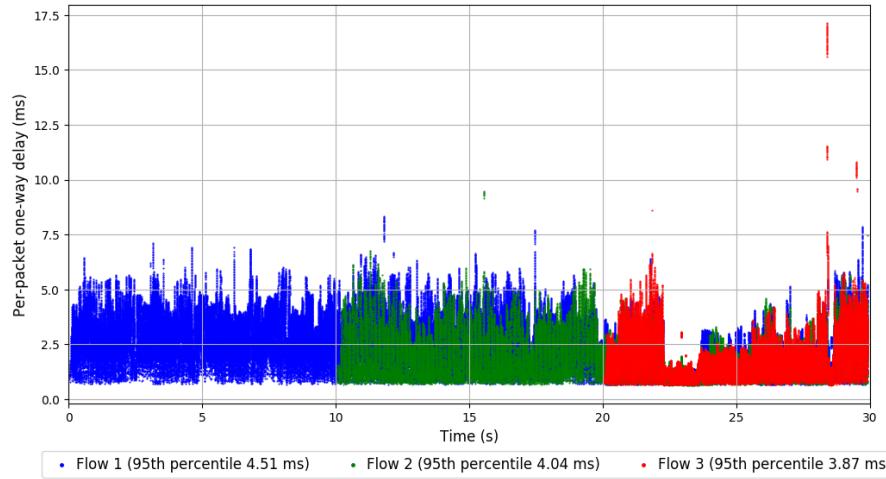
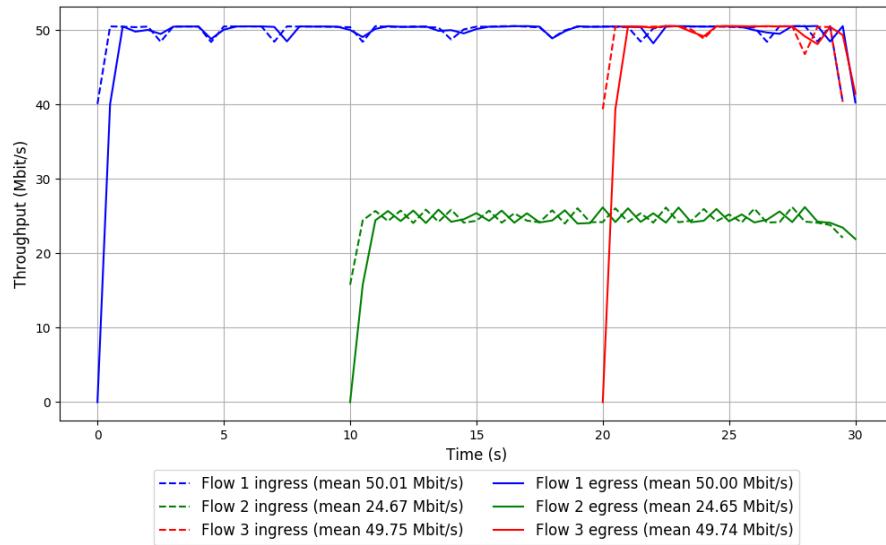


Run 3: Statistics of Sprout

```
Start at: 2019-11-24 08:54:00
End at: 2019-11-24 08:54:30
Local clock offset: 3.378 ms
Remote clock offset: 3.61 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.80 Mbit/s
95th percentile per-packet one-way delay: 4.352 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 4.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 4.036 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 3.872 ms
Loss rate: 0.00%
```

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

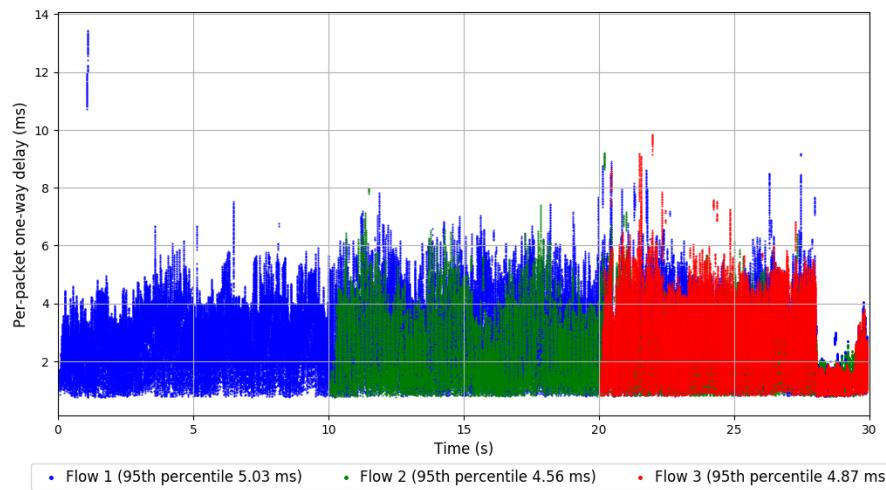
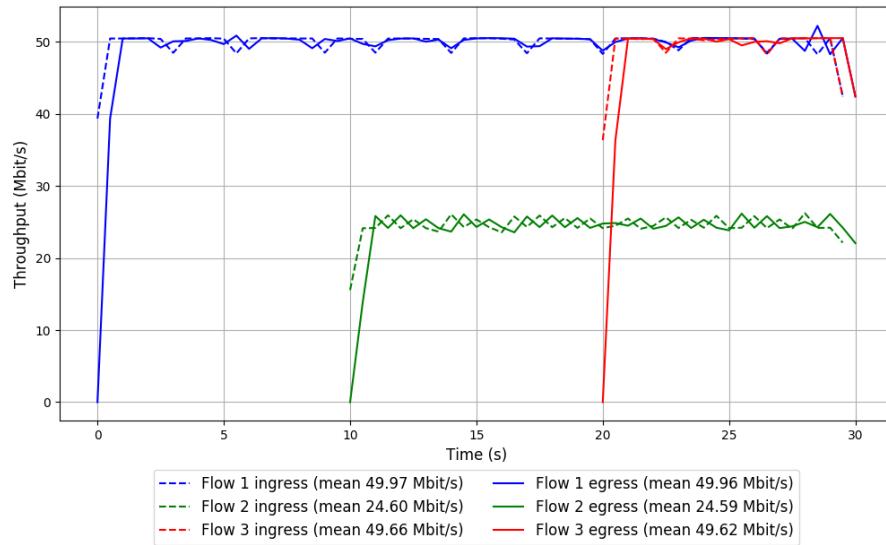


Run 4: Statistics of Sprout

```
Start at: 2019-11-24 09:29:25
End at: 2019-11-24 09:29:55
Local clock offset: 2.923 ms
Remote clock offset: -4.273 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 4.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 5.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 4.560 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 4.870 ms
Loss rate: 0.05%
```

## Run 4: Report of Sprout — Data Link

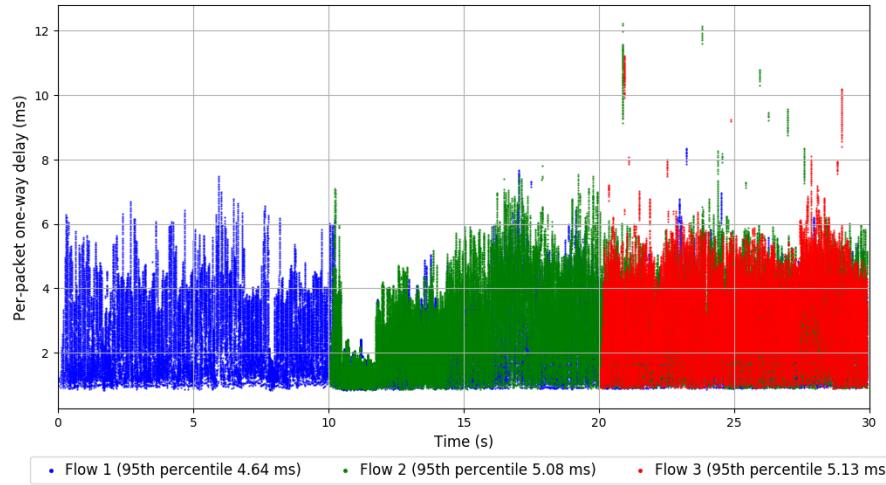
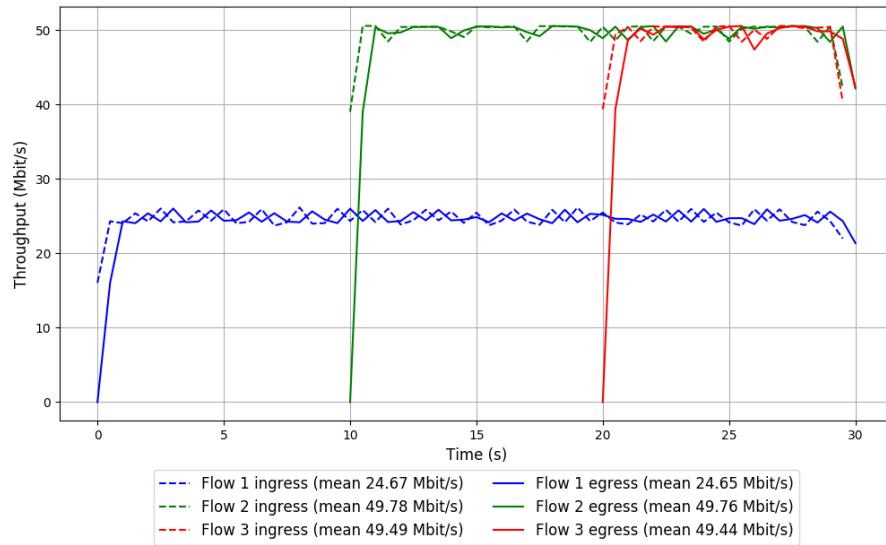


Run 5: Statistics of Sprout

```
Start at: 2019-11-24 10:04:42
End at: 2019-11-24 10:05:12
Local clock offset: 3.014 ms
Remote clock offset: -6.816 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.09 Mbit/s
95th percentile per-packet one-way delay: 4.989 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 5.077 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 5.127 ms
Loss rate: 0.08%
```

Run 5: Report of Sprout — Data Link

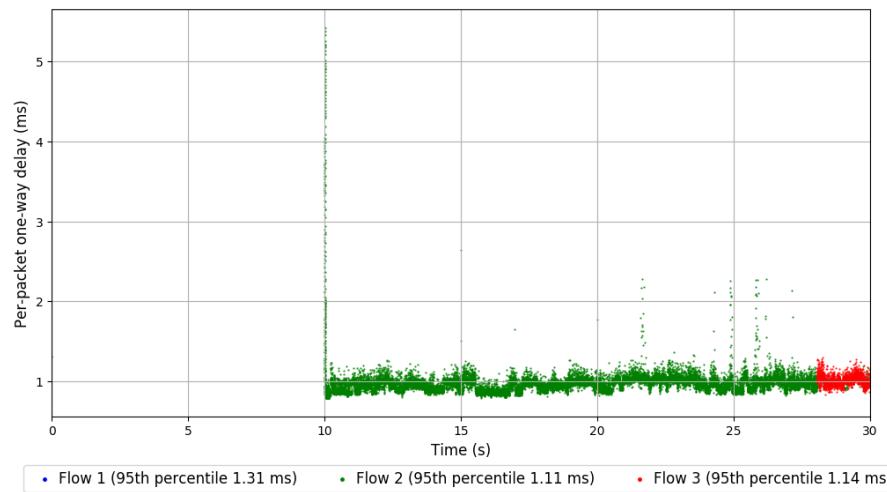
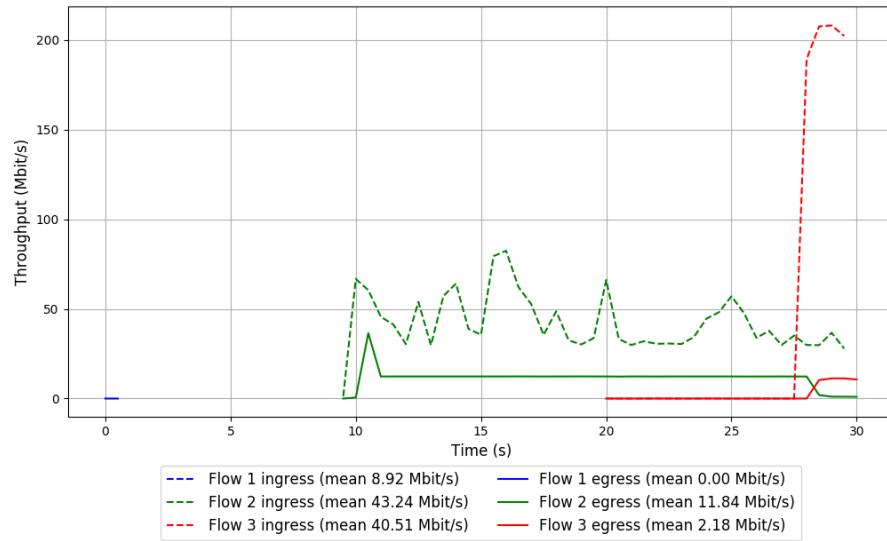


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-11-24 07:24:37
End at: 2019-11-24 07:25:07
Local clock offset: 3.898 ms
Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 79.63%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 72.62%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 94.62%
```

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

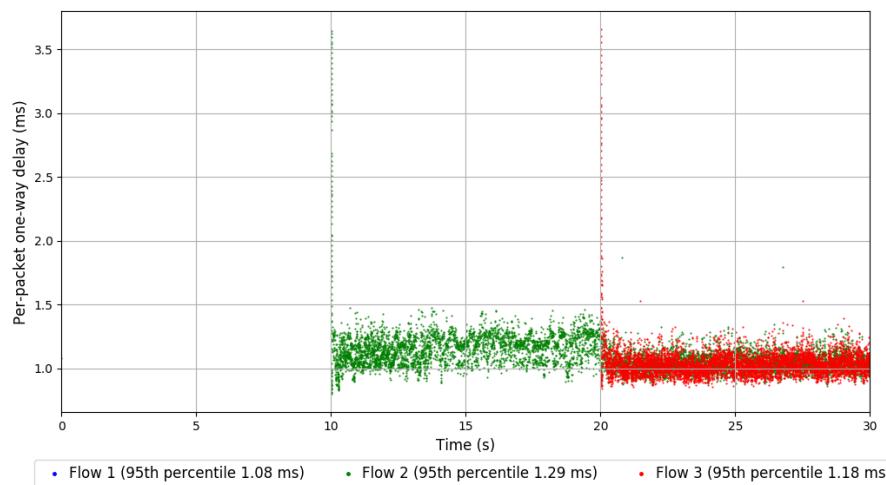
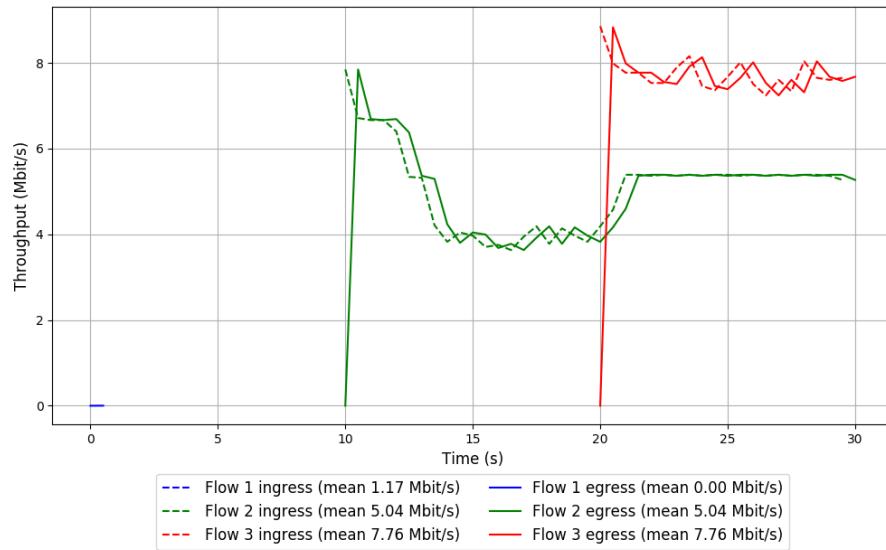


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-24 07:59:49
End at: 2019-11-24 08:00:19
Local clock offset: 4.533 ms
Remote clock offset: 1.143 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
```

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

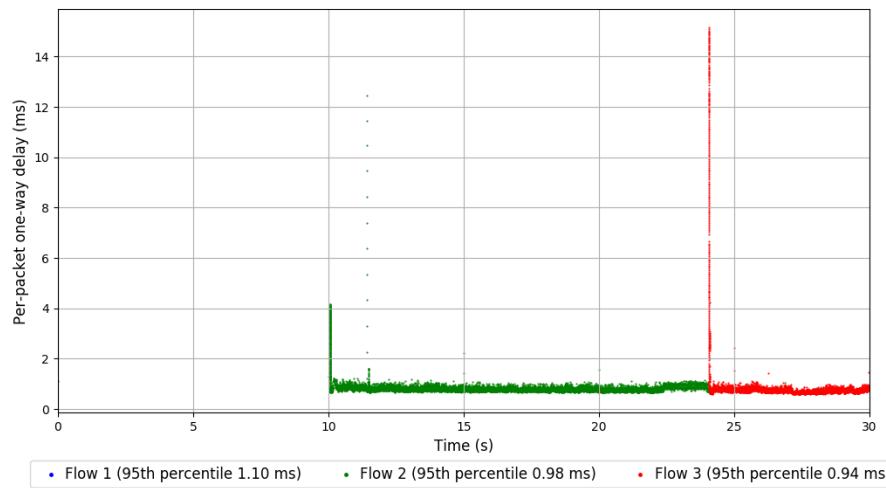
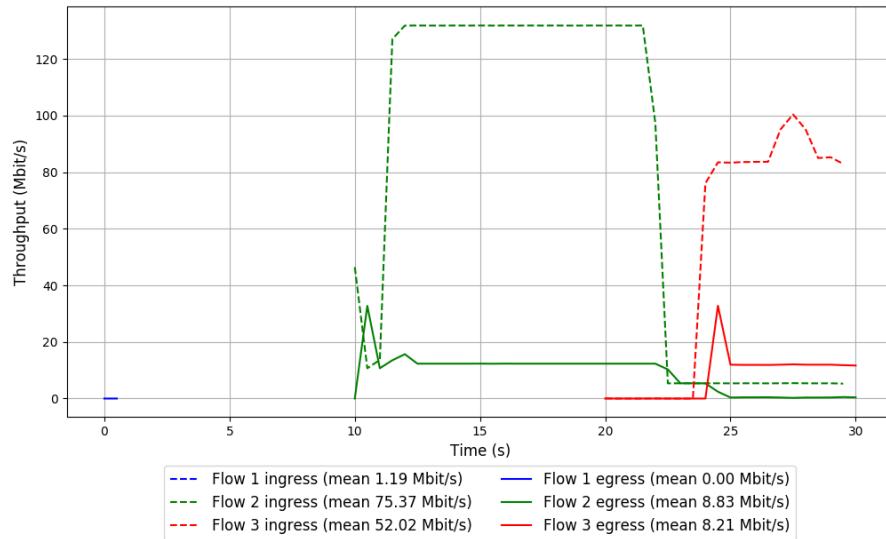


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-11-24 08:34:56
End at: 2019-11-24 08:35:26
Local clock offset: 3.518 ms
Remote clock offset: 1.805 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 87.26%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 88.30%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 0.941 ms
Loss rate: 84.22%
```

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

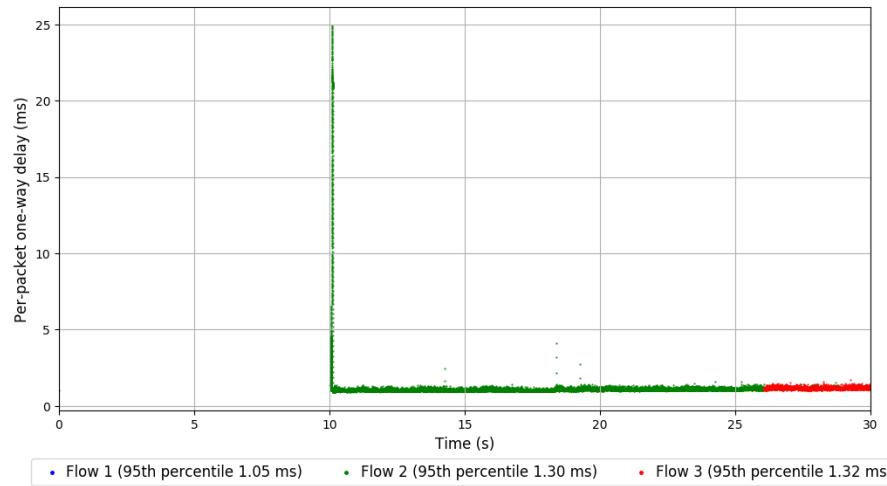
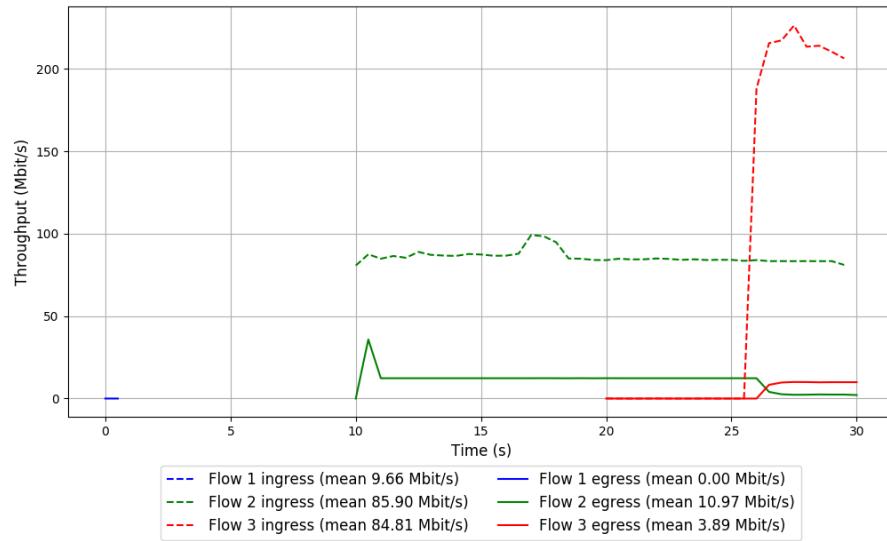


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-24 09:10:36
End at: 2019-11-24 09:11:06
Local clock offset: 3.255 ms
Remote clock offset: -0.555 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 89.93%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 87.23%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 95.41%
```

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

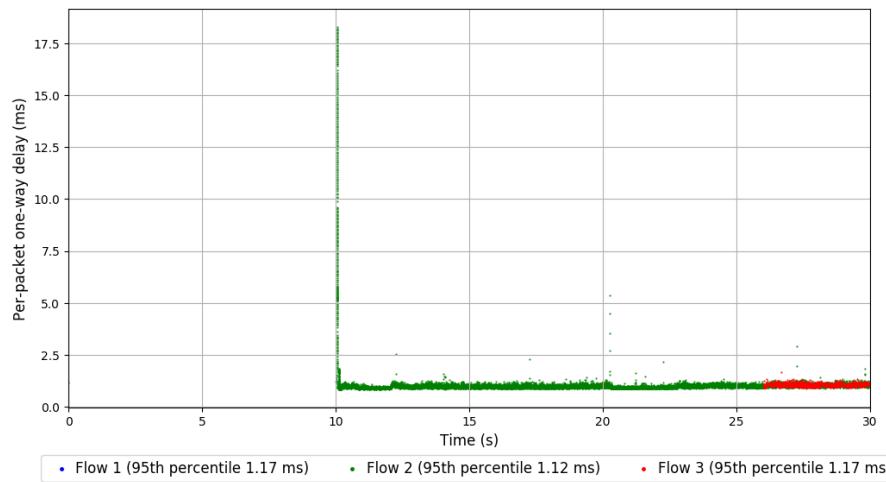
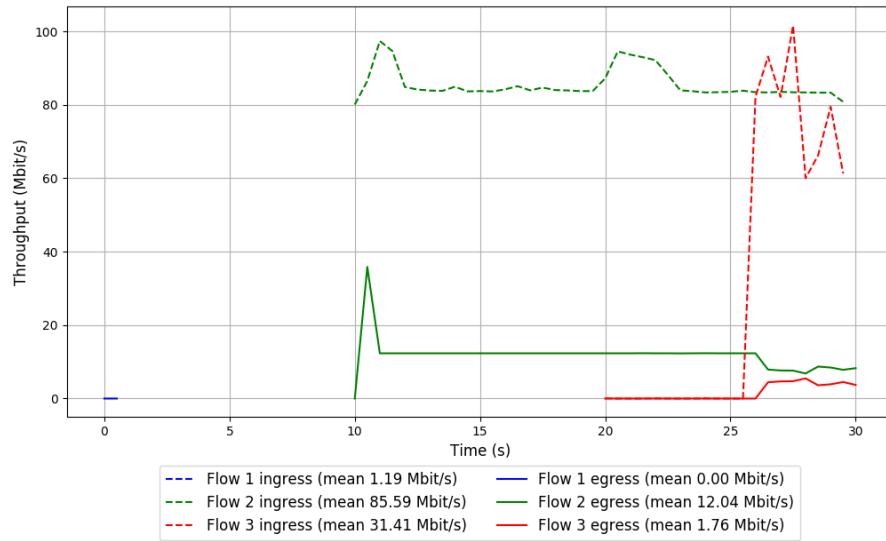


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-11-24 09:45:42
End at: 2019-11-24 09:46:12
Local clock offset: 2.938 ms
Remote clock offset: -5.54 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 87.25%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 85.94%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 94.41%
```

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

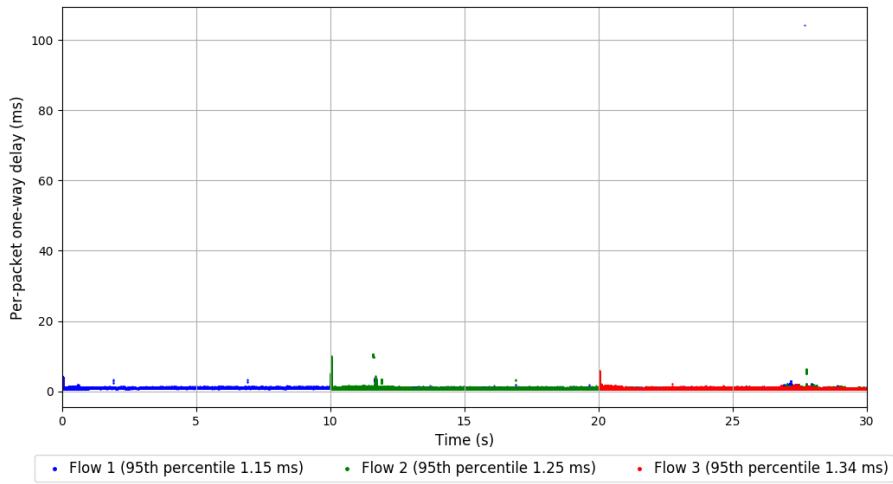
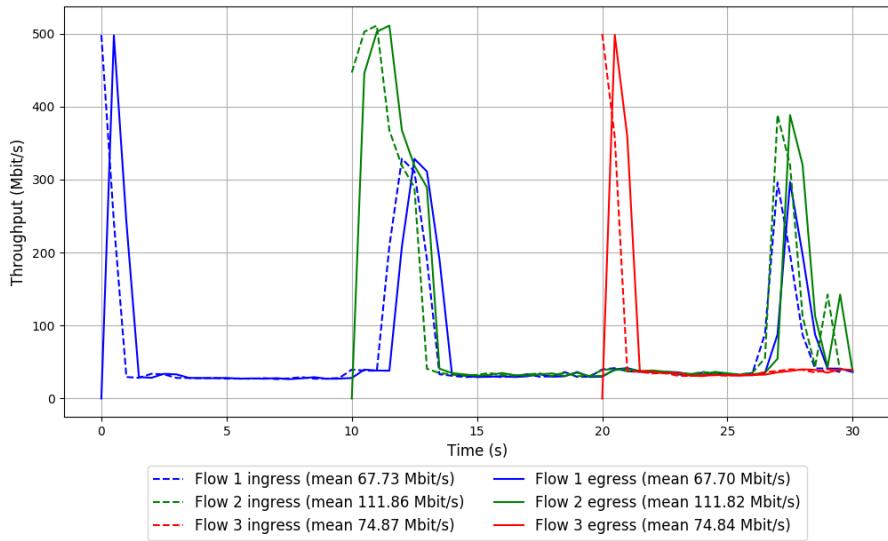


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-24 07:33:26
End at: 2019-11-24 07:33:56
Local clock offset: 4.297 ms
Remote clock offset: 1.083 ms

# Below is generated by plot.py at 2019-11-24 11:24:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 167.06 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 111.82 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Vegas — Data Link

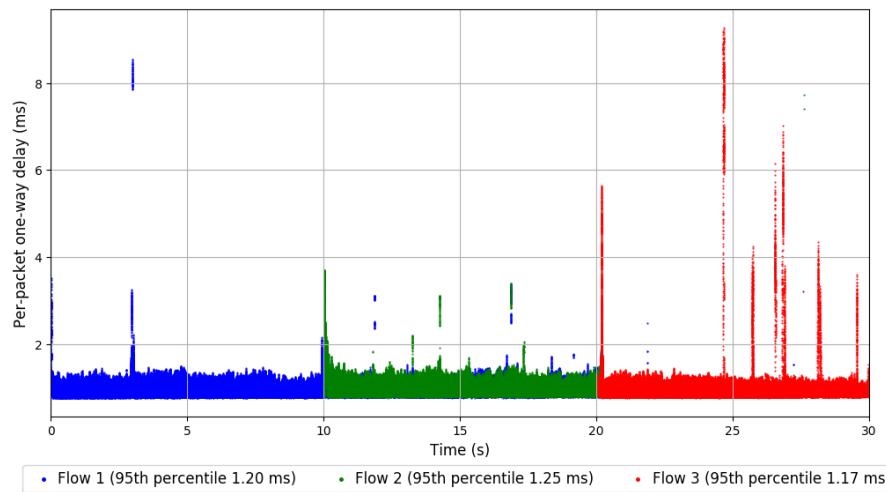
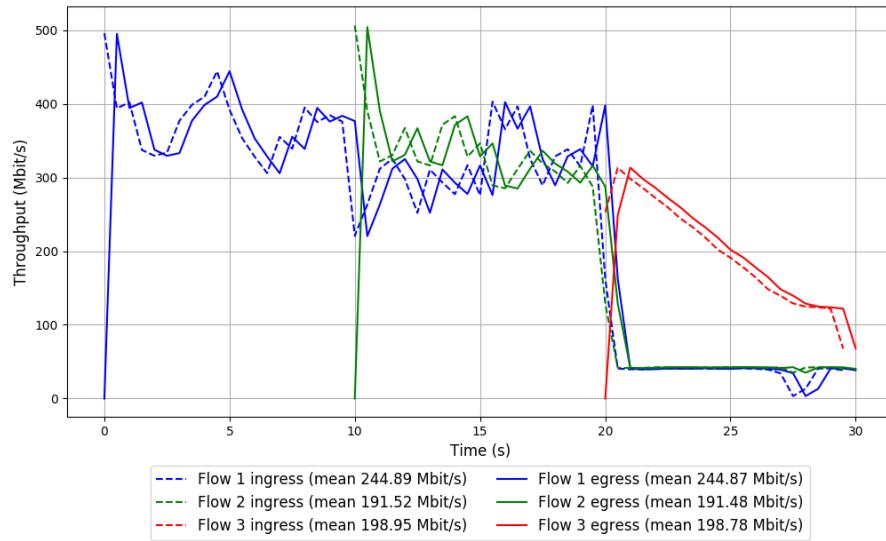


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-24 08:08:14
End at: 2019-11-24 08:08:44
Local clock offset: 4.679 ms
Remote clock offset: 0.544 ms

# Below is generated by plot.py at 2019-11-24 11:25:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 438.49 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 244.87 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 191.48 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 198.78 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.08%
```

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

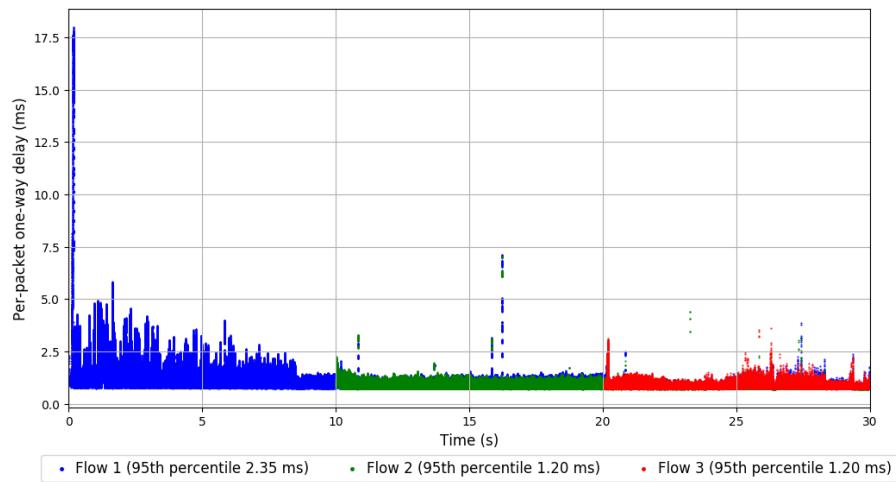
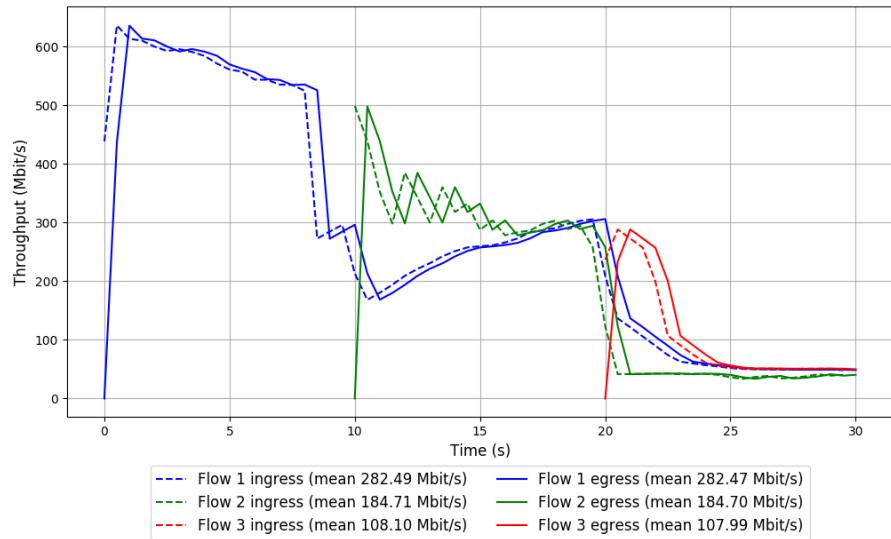


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-24 08:43:32
End at: 2019-11-24 08:44:02
Local clock offset: 3.43 ms
Remote clock offset: 2.984 ms

# Below is generated by plot.py at 2019-11-24 11:25:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.42 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 282.47 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.70 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 107.99 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.10%
```

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

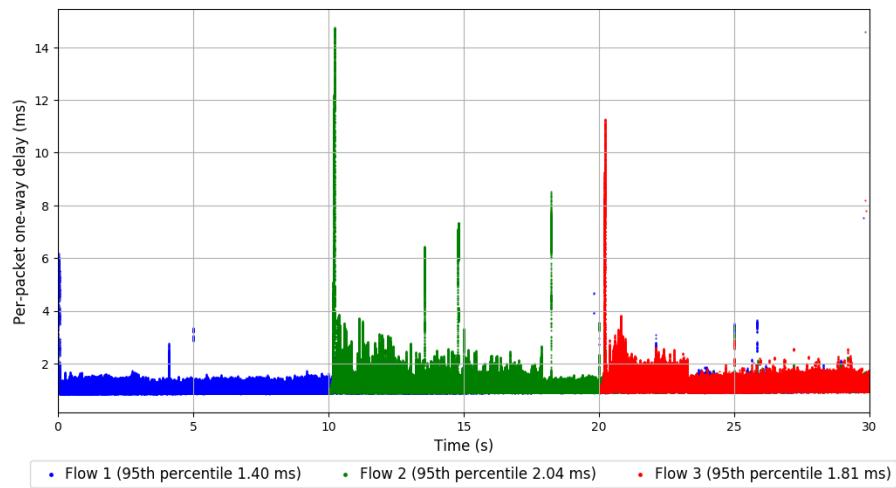
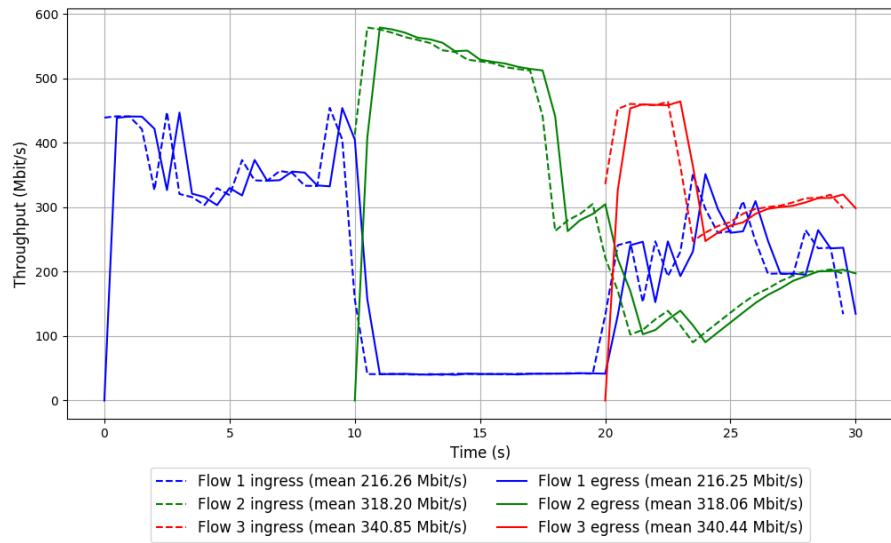


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-24 09:19:04
End at: 2019-11-24 09:19:34
Local clock offset: 3.017 ms
Remote clock offset: -2.82 ms

# Below is generated by plot.py at 2019-11-24 11:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 541.28 Mbit/s
95th percentile per-packet one-way delay: 1.718 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.25 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 318.06 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 340.44 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.12%
```

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

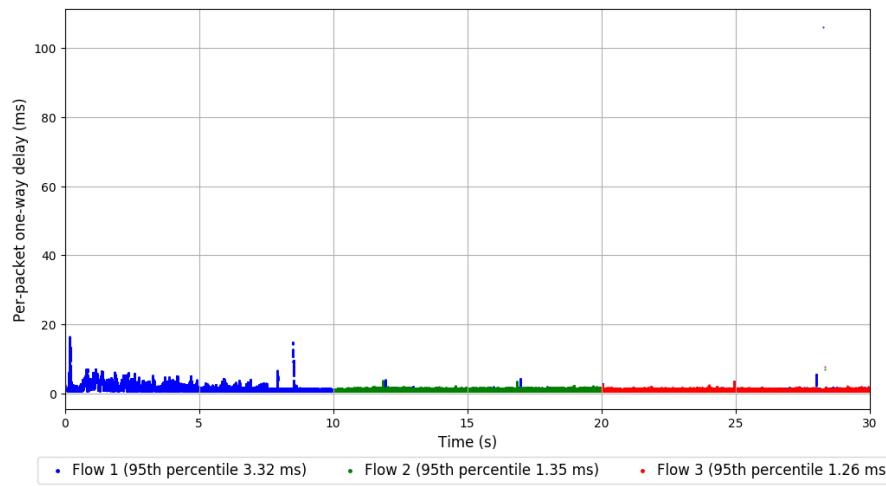
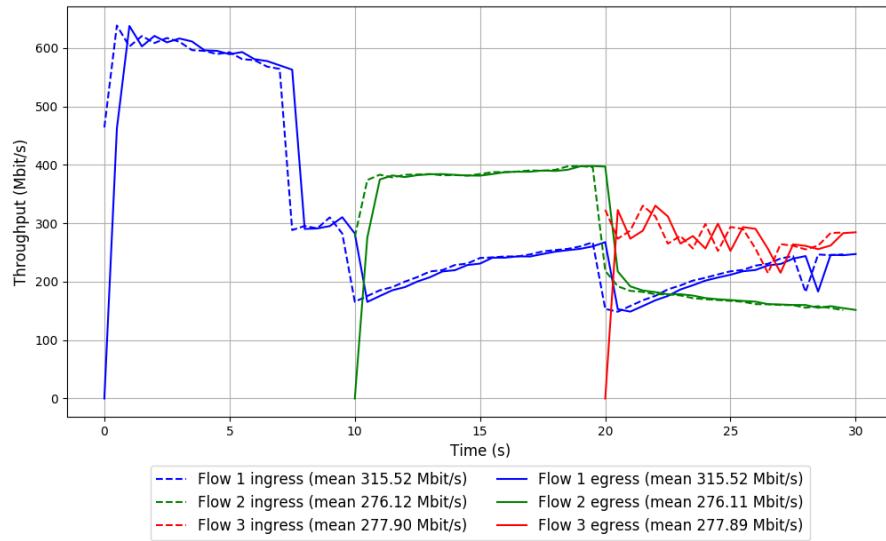


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-24 09:54:11
End at: 2019-11-24 09:54:41
Local clock offset: 3.045 ms
Remote clock offset: -6.172 ms

# Below is generated by plot.py at 2019-11-24 11:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.87 Mbit/s
95th percentile per-packet one-way delay: 2.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 315.52 Mbit/s
95th percentile per-packet one-way delay: 3.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 276.11 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 277.89 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

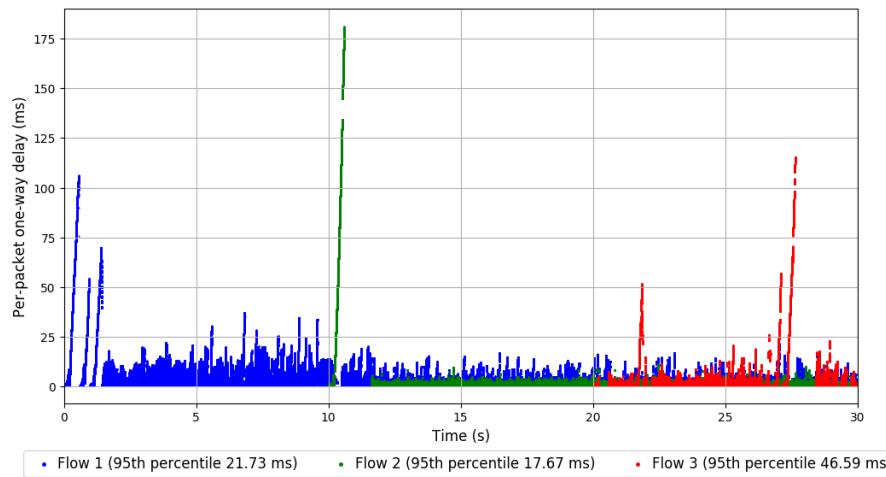
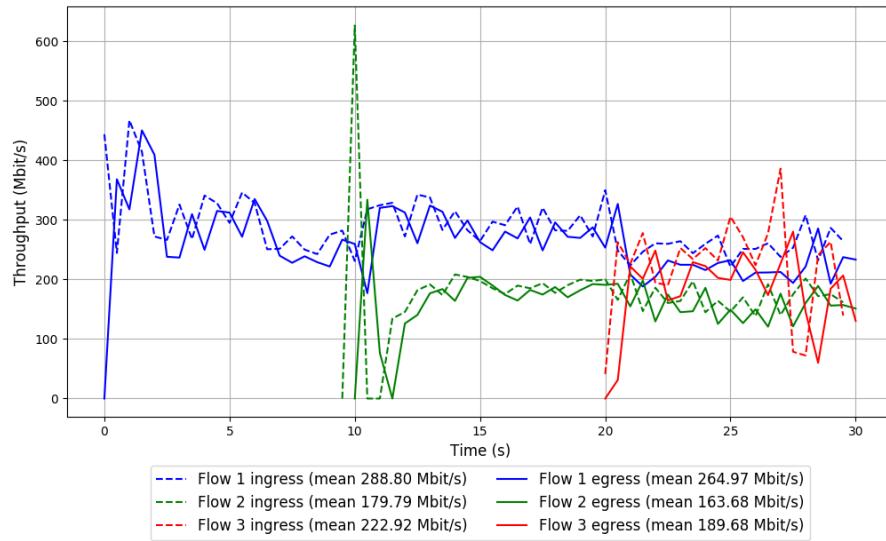


Run 1: Statistics of Verus

```
Start at: 2019-11-24 07:31:52
End at: 2019-11-24 07:32:22
Local clock offset: 4.235 ms
Remote clock offset: 0.999 ms

# Below is generated by plot.py at 2019-11-24 11:27:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.75 Mbit/s
95th percentile per-packet one-way delay: 27.506 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 264.97 Mbit/s
95th percentile per-packet one-way delay: 21.725 ms
Loss rate: 8.24%
-- Flow 2:
Average throughput: 163.68 Mbit/s
95th percentile per-packet one-way delay: 17.666 ms
Loss rate: 8.96%
-- Flow 3:
Average throughput: 189.68 Mbit/s
95th percentile per-packet one-way delay: 46.588 ms
Loss rate: 14.91%
```

Run 1: Report of Verus — Data Link

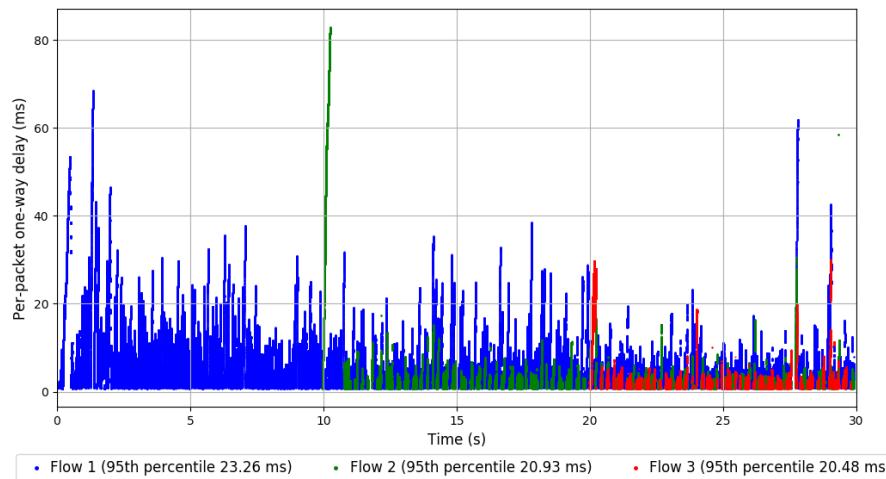
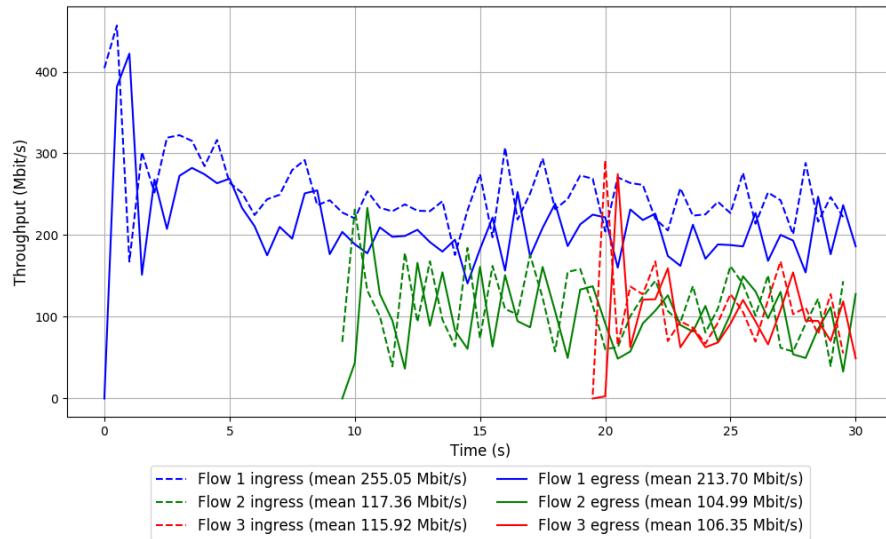


Run 2: Statistics of Verus

```
Start at: 2019-11-24 08:06:45
End at: 2019-11-24 08:07:15
Local clock offset: 4.632 ms
Remote clock offset: 0.562 ms

# Below is generated by plot.py at 2019-11-24 11:27:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.63 Mbit/s
95th percentile per-packet one-way delay: 22.711 ms
Loss rate: 14.19%
-- Flow 1:
Average throughput: 213.70 Mbit/s
95th percentile per-packet one-way delay: 23.263 ms
Loss rate: 16.20%
-- Flow 2:
Average throughput: 104.99 Mbit/s
95th percentile per-packet one-way delay: 20.927 ms
Loss rate: 10.53%
-- Flow 3:
Average throughput: 106.35 Mbit/s
95th percentile per-packet one-way delay: 20.481 ms
Loss rate: 8.24%
```

## Run 2: Report of Verus — Data Link

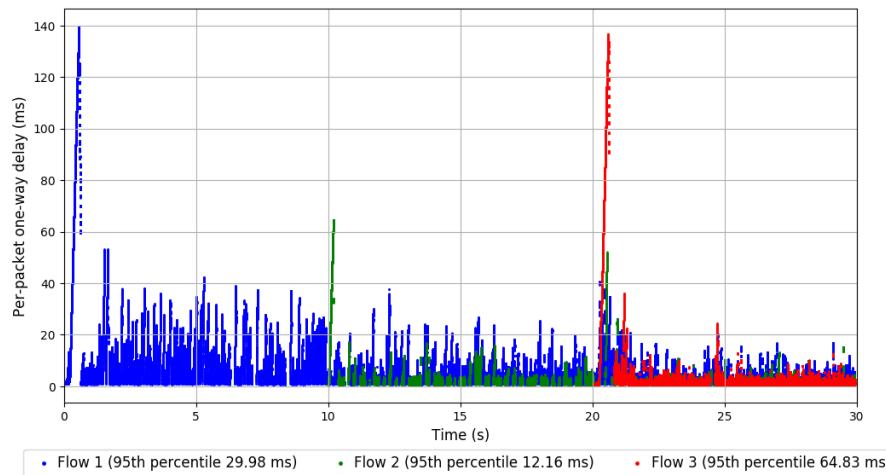
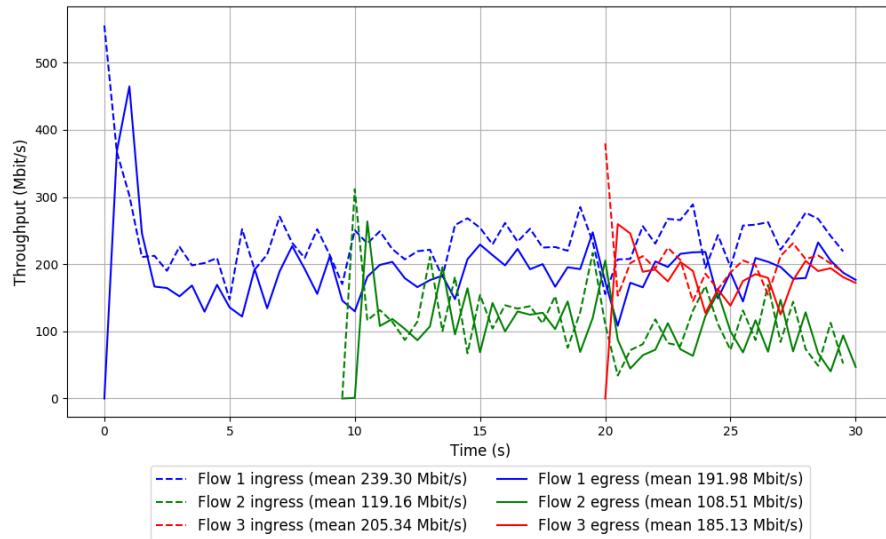


Run 3: Statistics of Verus

```
Start at: 2019-11-24 08:42:03
End at: 2019-11-24 08:42:33
Local clock offset: 3.471 ms
Remote clock offset: 2.859 ms

# Below is generated by plot.py at 2019-11-24 11:27:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.33 Mbit/s
95th percentile per-packet one-way delay: 29.736 ms
Loss rate: 15.80%
-- Flow 1:
Average throughput: 191.98 Mbit/s
95th percentile per-packet one-way delay: 29.978 ms
Loss rate: 19.78%
-- Flow 2:
Average throughput: 108.51 Mbit/s
95th percentile per-packet one-way delay: 12.159 ms
Loss rate: 8.92%
-- Flow 3:
Average throughput: 185.13 Mbit/s
95th percentile per-packet one-way delay: 64.835 ms
Loss rate: 9.85%
```

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

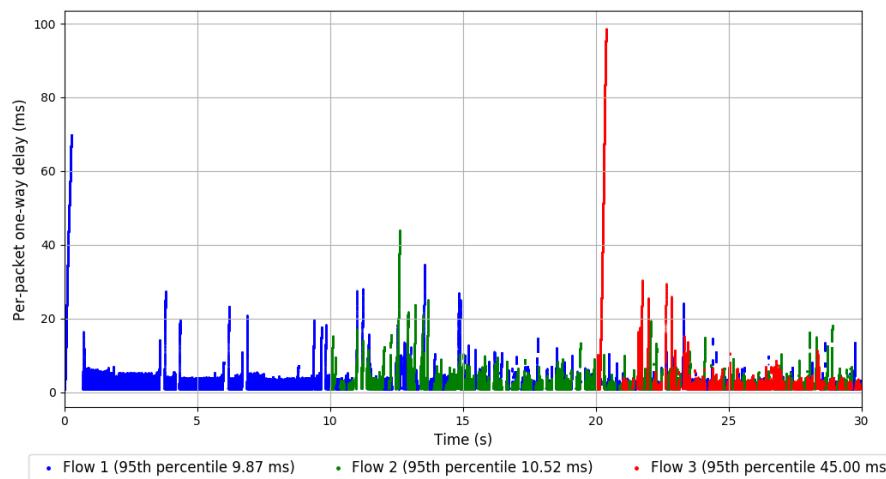
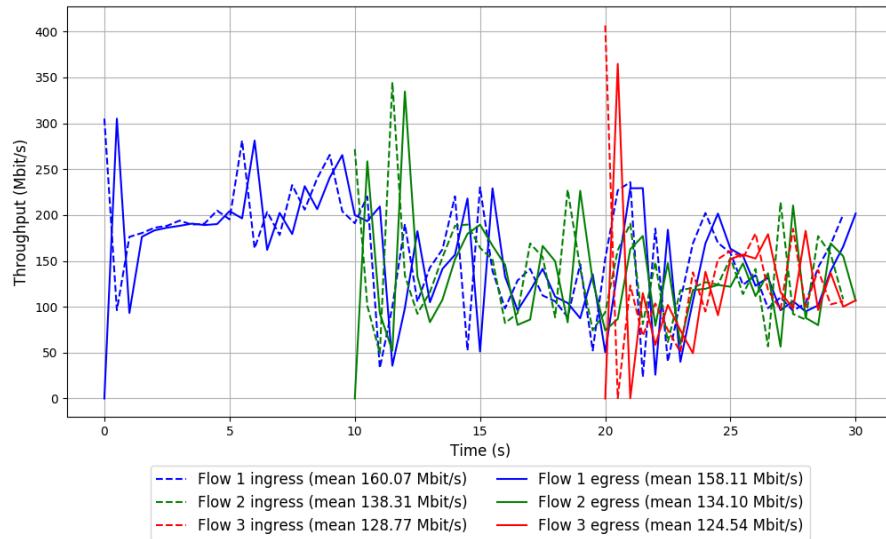


Run 4: Statistics of Verus

```
Start at: 2019-11-24 09:17:36
End at: 2019-11-24 09:18:06
Local clock offset: 3.078 ms
Remote clock offset: -2.534 ms

# Below is generated by plot.py at 2019-11-24 11:27:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 288.59 Mbit/s
95th percentile per-packet one-way delay: 12.245 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 158.11 Mbit/s
95th percentile per-packet one-way delay: 9.870 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 134.10 Mbit/s
95th percentile per-packet one-way delay: 10.524 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 124.54 Mbit/s
95th percentile per-packet one-way delay: 45.002 ms
Loss rate: 3.28%
```

## Run 4: Report of Verus — Data Link

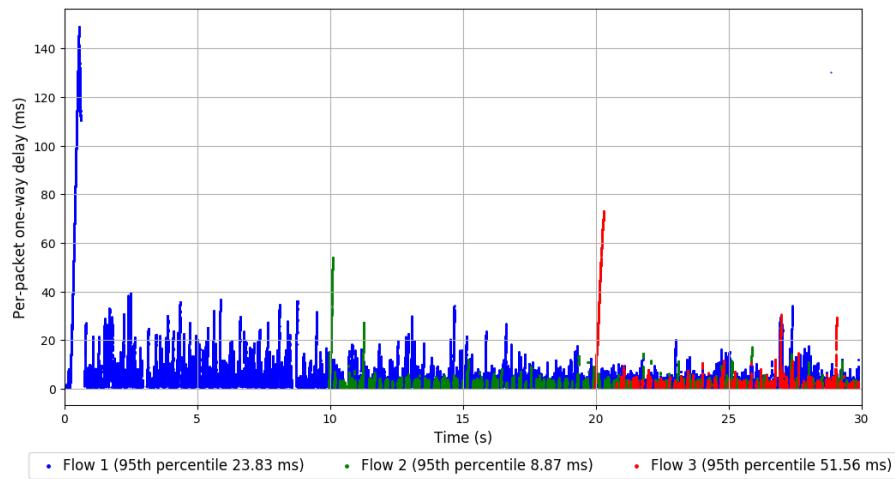
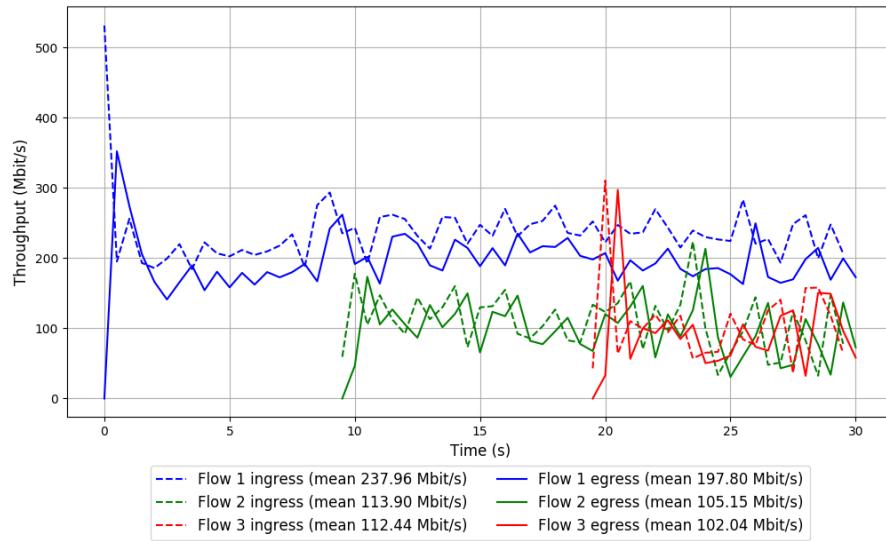


Run 5: Statistics of Verus

```
Start at: 2019-11-24 09:52:42
End at: 2019-11-24 09:53:12
Local clock offset: 3.013 ms
Remote clock offset: -6.027 ms

# Below is generated by plot.py at 2019-11-24 11:28:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.51 Mbit/s
95th percentile per-packet one-way delay: 23.114 ms
Loss rate: 14.06%
-- Flow 1:
Average throughput: 197.80 Mbit/s
95th percentile per-packet one-way delay: 23.828 ms
Loss rate: 16.85%
-- Flow 2:
Average throughput: 105.15 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 7.68%
-- Flow 3:
Average throughput: 102.04 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 9.23%
```

Run 5: Report of Verus — Data Link

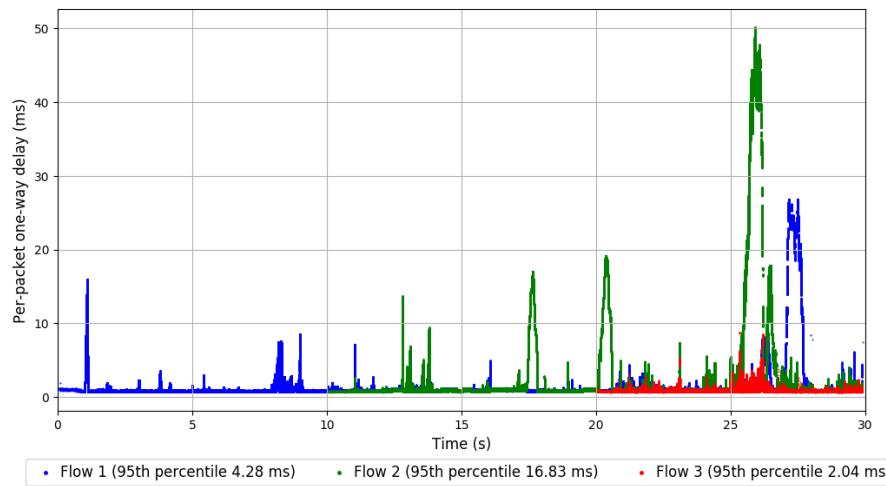
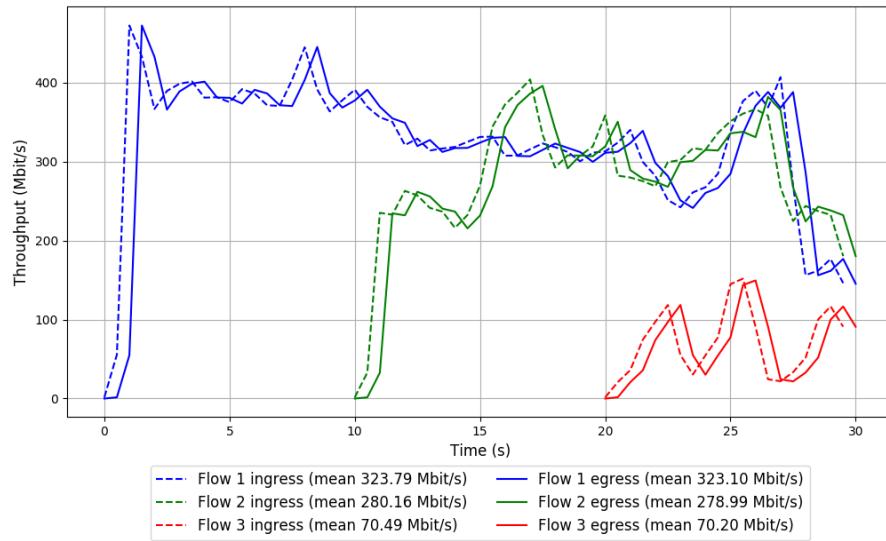


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-11-24 07:37:40
End at: 2019-11-24 07:38:10
Local clock offset: 4.443 ms
Remote clock offset: 1.257 ms

# Below is generated by plot.py at 2019-11-24 11:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.83 Mbit/s
95th percentile per-packet one-way delay: 9.300 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 323.10 Mbit/s
95th percentile per-packet one-way delay: 4.275 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 278.99 Mbit/s
95th percentile per-packet one-way delay: 16.829 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 70.20 Mbit/s
95th percentile per-packet one-way delay: 2.037 ms
Loss rate: 0.42%
```

Run 1: Report of PCC-Vivace — Data Link

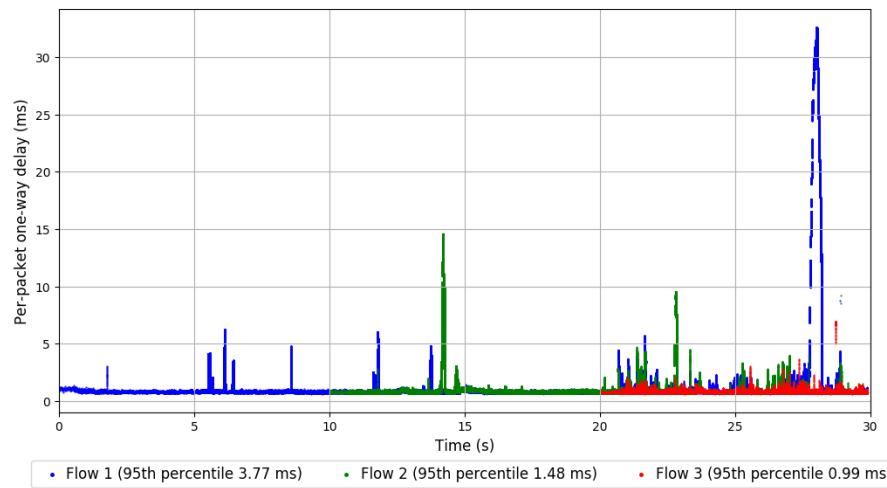
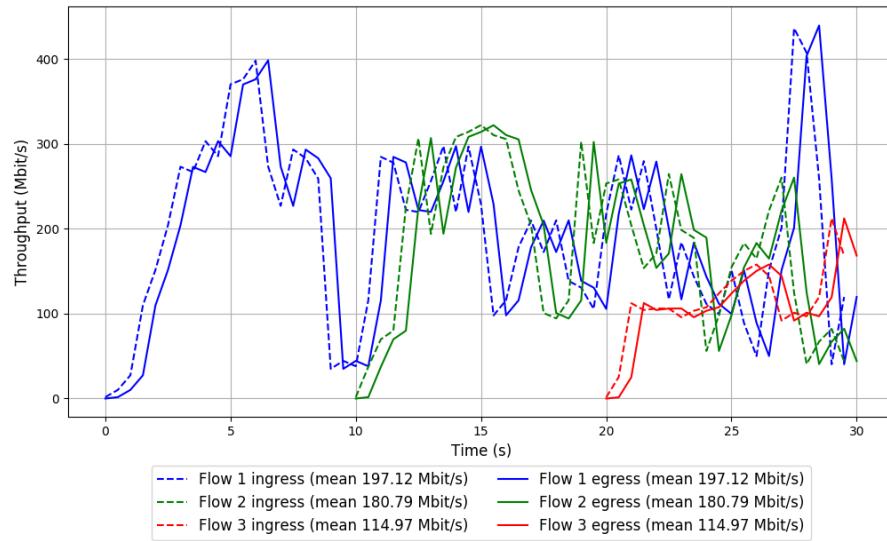


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-24 08:12:44
End at: 2019-11-24 08:13:14
Local clock offset: 4.285 ms
Remote clock offset: 0.387 ms

# Below is generated by plot.py at 2019-11-24 11:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.30 Mbit/s
95th percentile per-packet one-way delay: 2.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.12 Mbit/s
95th percentile per-packet one-way delay: 3.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 1.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.97 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

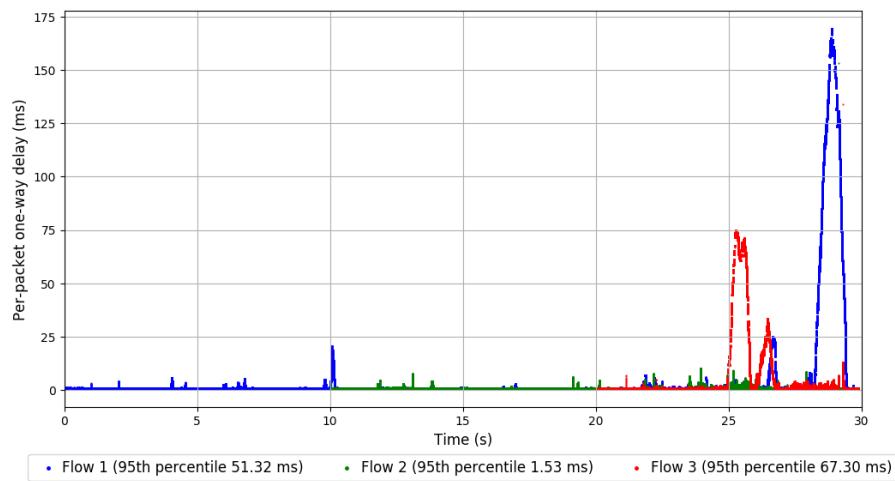
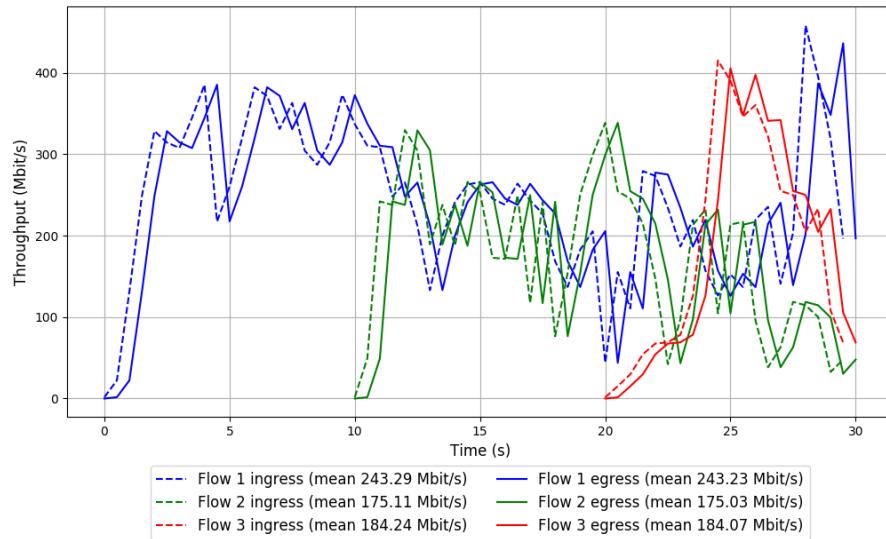


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-24 08:48:00
End at: 2019-11-24 08:48:30
Local clock offset: 3.403 ms
Remote clock offset: 3.26 ms

# Below is generated by plot.py at 2019-11-24 11:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.43 Mbit/s
95th percentile per-packet one-way delay: 35.250 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 243.23 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 175.03 Mbit/s
95th percentile per-packet one-way delay: 1.529 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 184.07 Mbit/s
95th percentile per-packet one-way delay: 67.301 ms
Loss rate: 0.09%
```

Run 3: Report of PCC-Vivace — Data Link

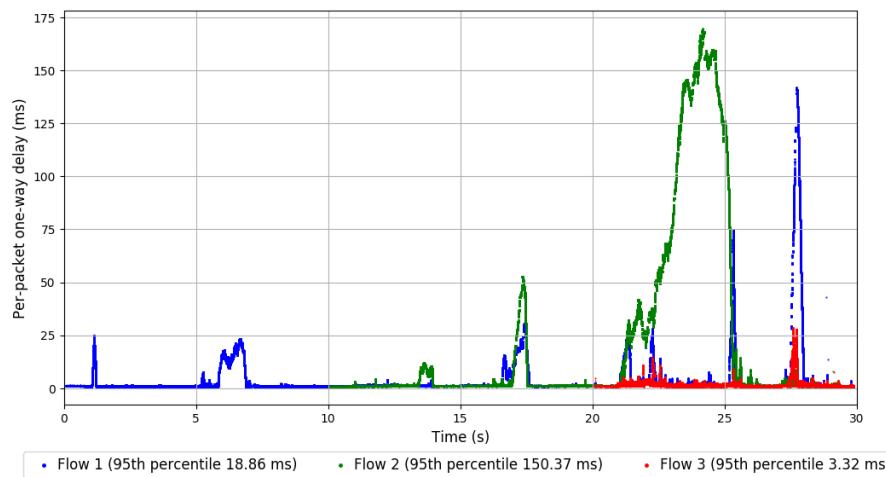
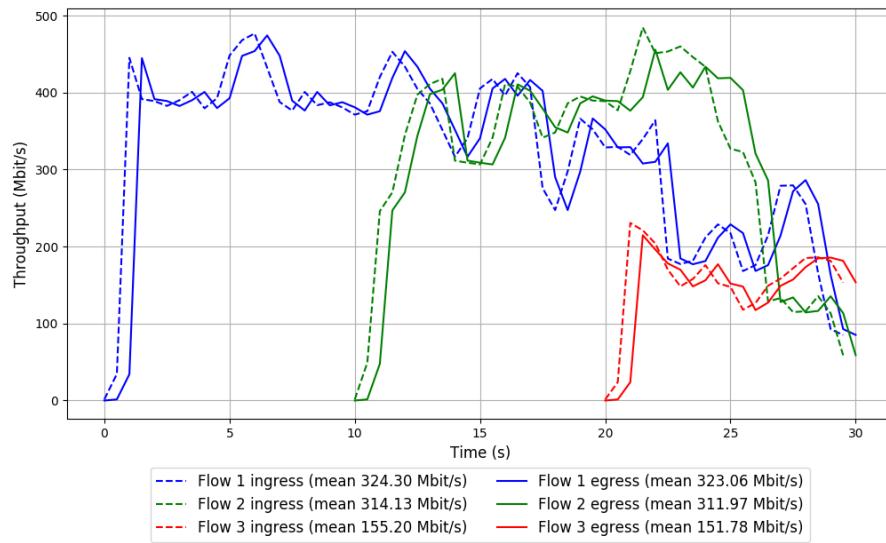


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-24 09:23:25
End at: 2019-11-24 09:23:55
Local clock offset: 2.957 ms
Remote clock offset: -3.583 ms

# Below is generated by plot.py at 2019-11-24 11:31:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 580.61 Mbit/s
95th percentile per-packet one-way delay: 99.798 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 323.06 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 311.97 Mbit/s
95th percentile per-packet one-way delay: 150.367 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 151.78 Mbit/s
95th percentile per-packet one-way delay: 3.322 ms
Loss rate: 2.20%
```

Run 4: Report of PCC-Vivace — Data Link

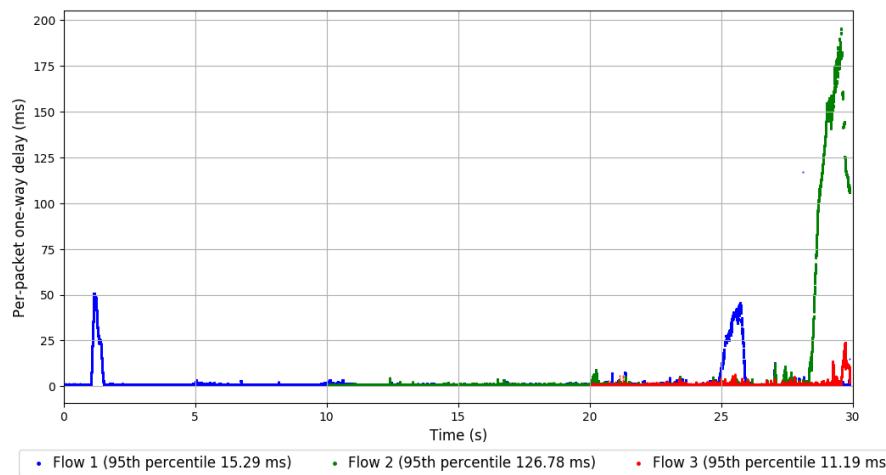
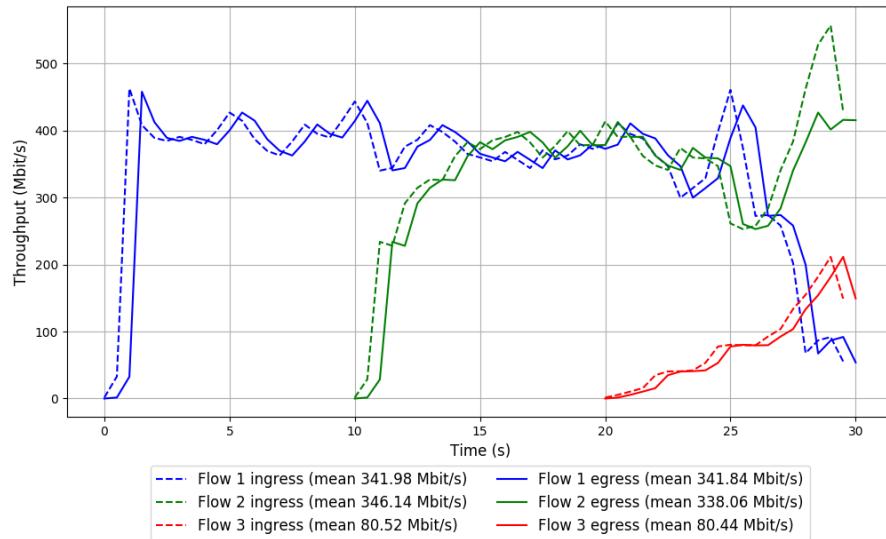


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-24 09:58:47
End at: 2019-11-24 09:59:17
Local clock offset: 3.026 ms
Remote clock offset: -6.482 ms

# Below is generated by plot.py at 2019-11-24 11:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 593.21 Mbit/s
95th percentile per-packet one-way delay: 30.547 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 341.84 Mbit/s
95th percentile per-packet one-way delay: 15.285 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 338.06 Mbit/s
95th percentile per-packet one-way delay: 126.776 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 11.192 ms
Loss rate: 0.10%
```

Run 5: Report of PCC-Vivace — Data Link

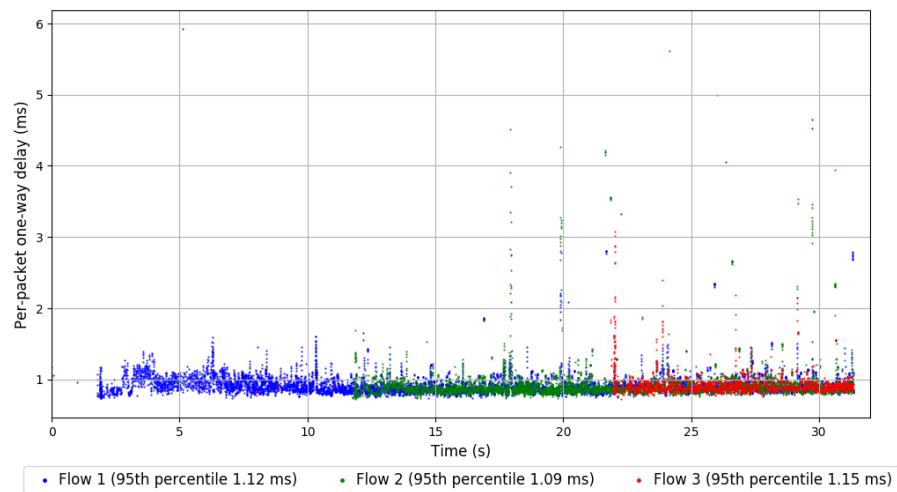
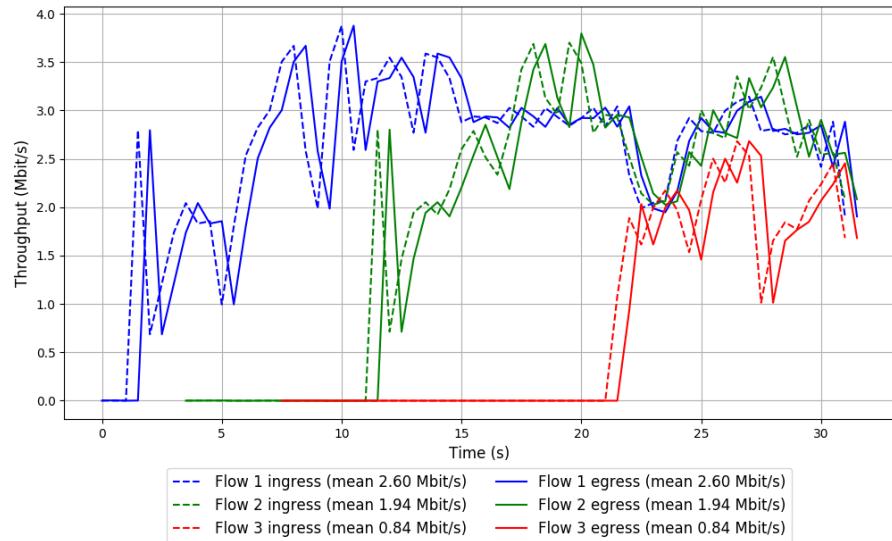


Run 1: Statistics of WebRTC media

```
Start at: 2019-11-24 07:15:23
End at: 2019-11-24 07:15:53
Local clock offset: 3.158 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2019-11-24 11:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

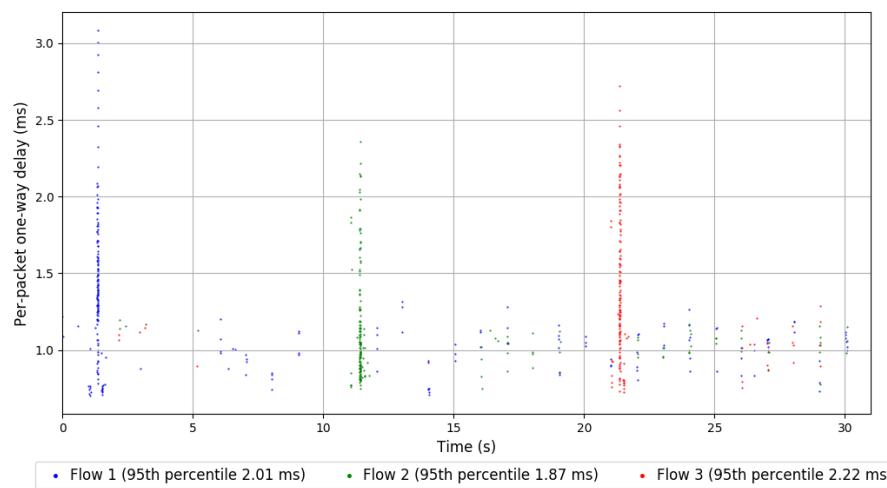
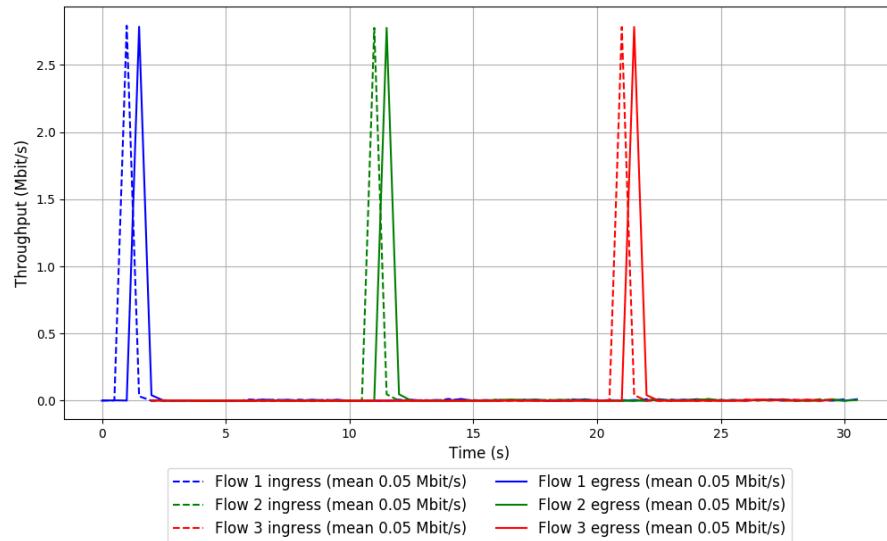


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-24 07:50:40
End at: 2019-11-24 07:51:10
Local clock offset: 4.437 ms
Remote clock offset: 1.841 ms

# Below is generated by plot.py at 2019-11-24 11:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.223 ms
Loss rate: 0.00%
```

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

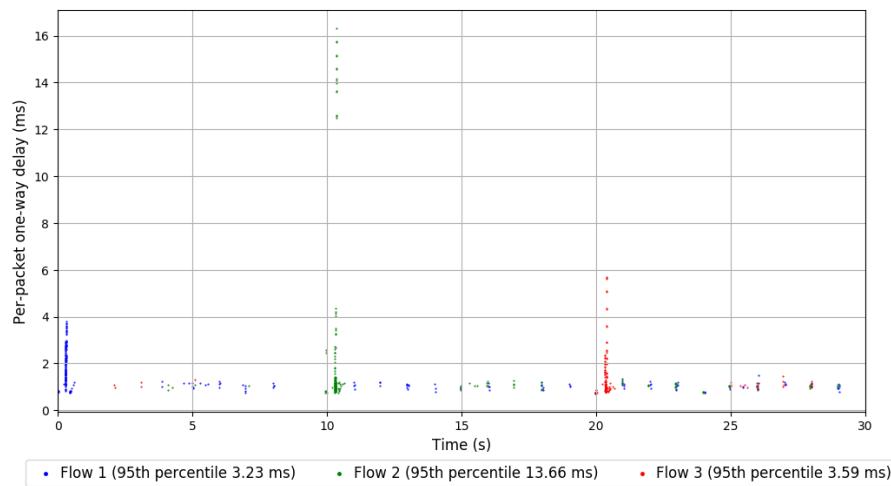
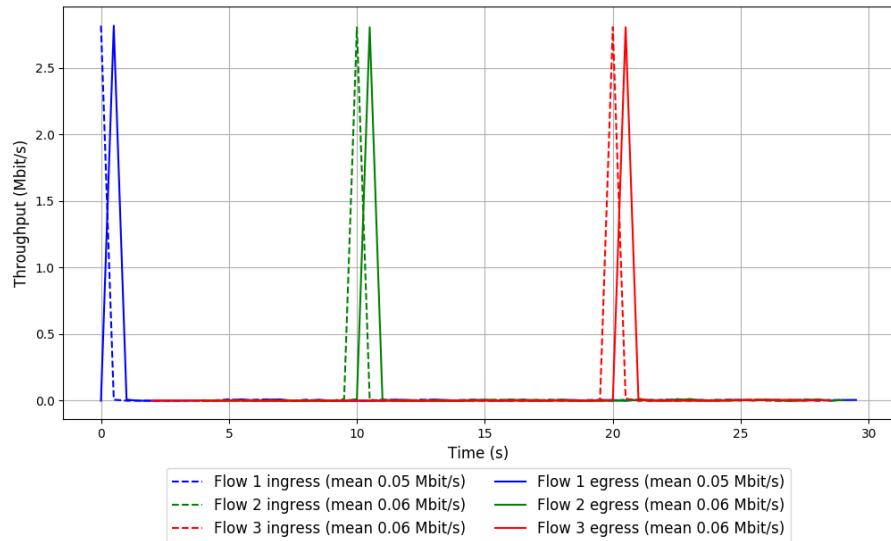


```
Run 3: Statistics of WebRTC media

Start at: 2019-11-24 08:25:59
End at: 2019-11-24 08:26:29
Local clock offset: 3.612 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2019-11-24 11:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 3.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 13.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.592 ms
Loss rate: 0.00%
```

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

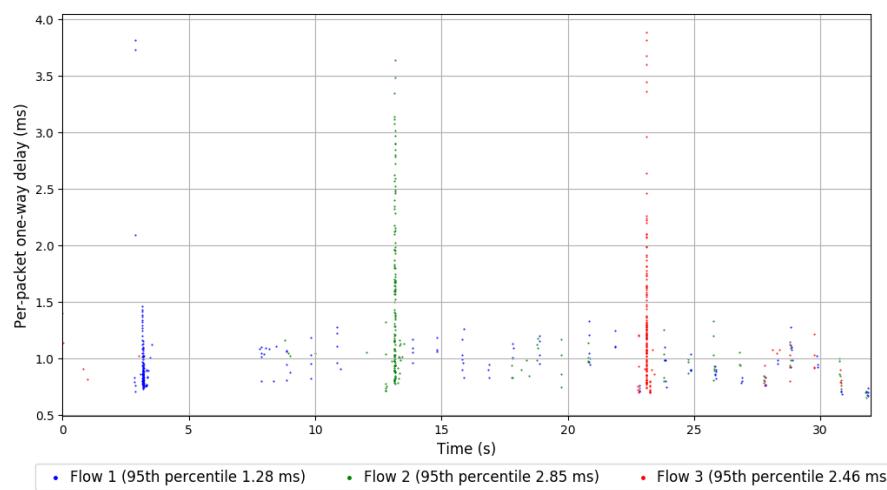
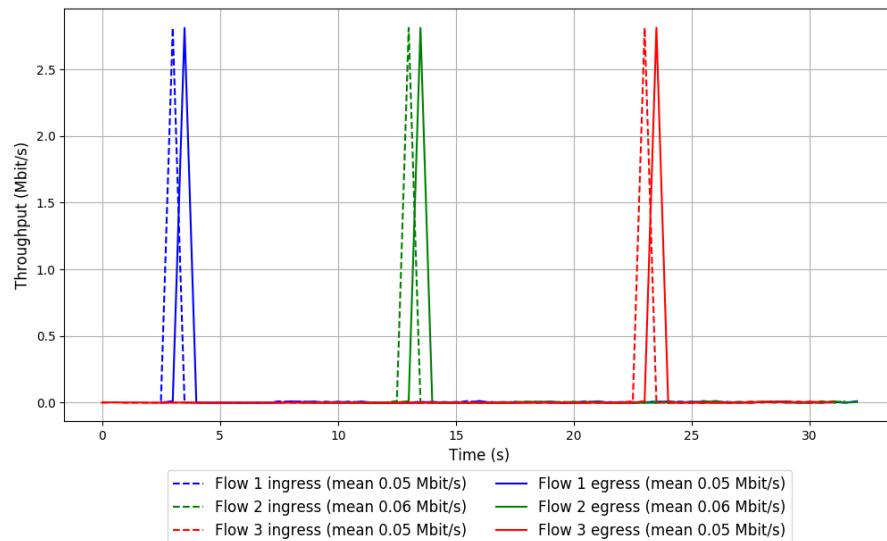


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-24 09:01:24
End at: 2019-11-24 09:01:54
Local clock offset: 3.294 ms
Remote clock offset: 3.991 ms

# Below is generated by plot.py at 2019-11-24 11:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 2.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.845 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.465 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-11-24 09:36:34
End at: 2019-11-24 09:37:04
Local clock offset: 2.844 ms
Remote clock offset: -4.88 ms

# Below is generated by plot.py at 2019-11-24 11:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 2.719 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.000 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.446 ms
Loss rate: 0.00%
```

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

