

Pantheon Report

Generated at 2018-09-25 10:13:13 (UTC).
Data path: AWS India 1 on `ens5 (local)` → India on `em1 (remote)`.
Repeated the test of 19 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

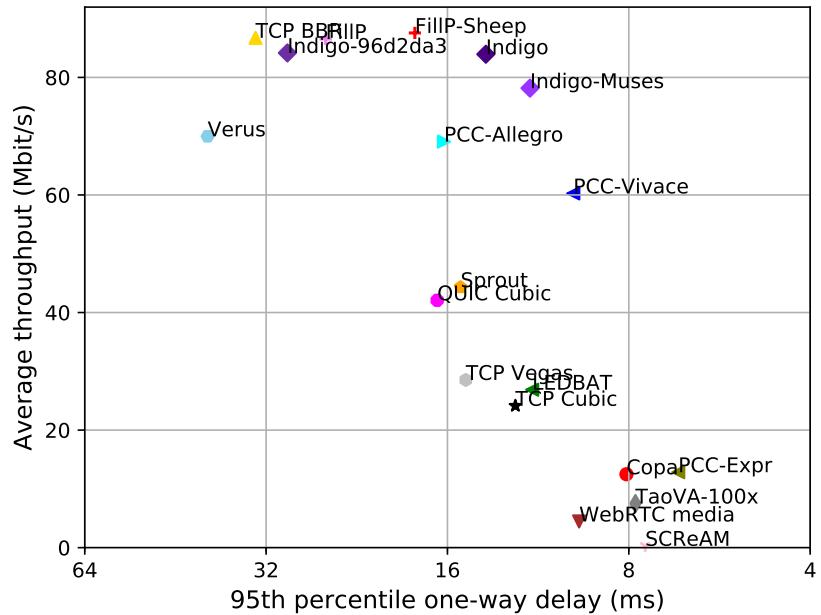
```
Linux 4.15.0-1021-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
net.ipv4.tcp_mem = 184101 245469 368202
```

Git summary:

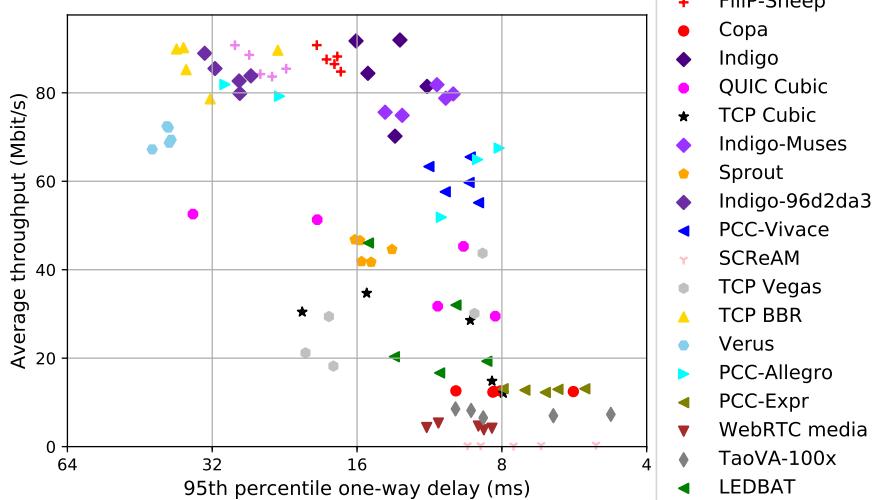
```
branch: muses @ 90192f6b64ce1a1191dcca0e9ff9ee24950674d7
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-96d2da3 @ 8413272d46f8aa0bc967ed7048b6a8f994abb95
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a
third_party/pantheon-tunnel @ cbfce6db5ff5740dafe1771f813cd646339e1952
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
```

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

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



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



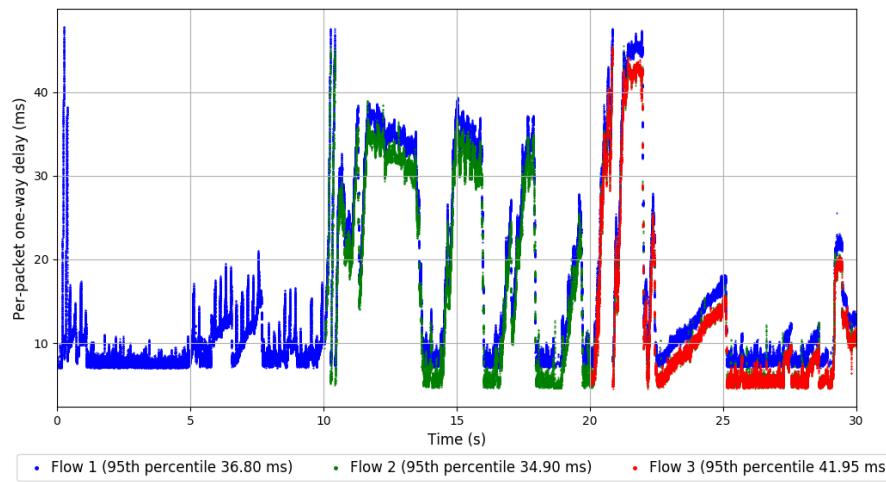
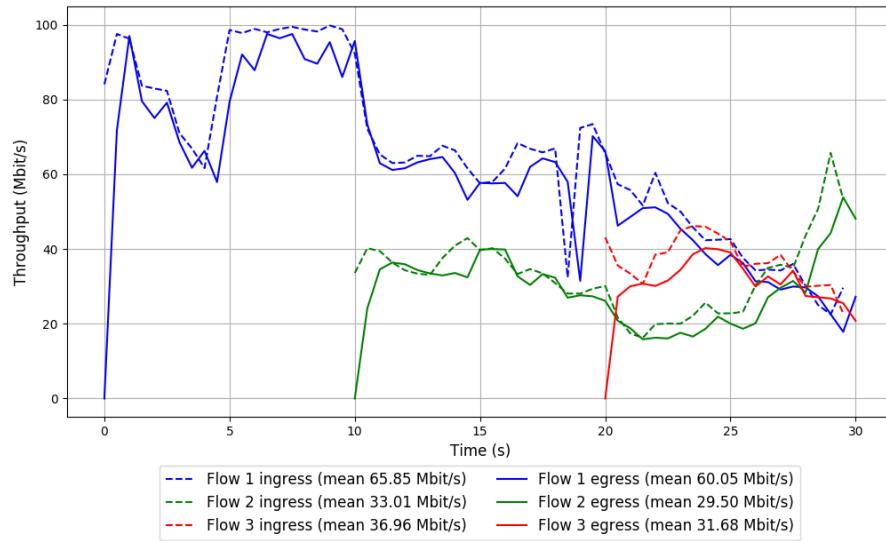
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	57.28	27.37	33.76	31.41	32.98	37.97	10.13	11.26	12.32
Copa	5	8.83	5.48	0.72	9.01	7.41	8.13	66.43	71.67	87.45
TCP Cubic	5	14.36	10.12	9.09	14.89	6.60	7.65	0.74	1.08	1.07
FillP	5	53.82	37.04	24.43	26.59	25.39	19.25	21.14	26.61	28.91
FillP-Sheep	5	51.87	37.03	33.74	18.01	16.70	17.07	23.03	31.04	33.53
Indigo	5	48.60	36.42	33.90	13.08	13.45	15.00	13.00	15.28	22.77
Indigo-96d2da3	5	48.73	42.56	24.76	29.37	29.56	25.13	42.60	48.47	54.43
LEDBAT	5	16.02	11.38	9.55	10.99	12.00	10.56	1.24	1.47	2.08
Indigo-Muses	5	44.74	38.97	23.14	10.99	11.34	11.11	8.82	9.26	8.78
PCC-Allegro	5	51.58	21.75	9.20	16.17	15.48	13.42	8.05	8.44	9.61
PCC-Expr	5	8.06	5.70	3.00	6.89	6.38	6.14	41.03	28.53	28.55
QUIC Cubic	5	22.37	20.45	18.50	15.96	15.22	17.47	2.27	2.00	1.41
SCReAM	5	0.13	0.18	0.19	6.14	6.90	6.83	0.62	0.49	0.30
Sprout	5	22.52	22.09	21.52	14.46	15.59	15.49	3.98	4.78	6.10
TaoVA-100x	5	0.00	7.98	7.11	8.78	7.91	10.50	95.92	75.15	72.67
TCP Vegas	5	16.26	12.96	10.94	13.49	13.01	17.90	1.38	0.89	0.82
Verus	5	43.48	28.15	26.29	37.80	42.37	42.58	28.56	41.49	44.71
PCC-Vivace	5	40.62	22.92	13.38	9.92	9.12	10.34	6.86	7.04	6.36
WebRTC media	5	2.42	1.62	0.42	9.45	9.56	9.36	1.30	1.64	1.67

Run 1: Statistics of TCP BBR

```
Start at: 2018-09-25 08:12:37
End at: 2018-09-25 08:13:07
Local clock offset: 2.583 ms
Remote clock offset: -3.494 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 36.715 ms
Loss rate: 9.88%
-- Flow 1:
Average throughput: 60.05 Mbit/s
95th percentile per-packet one-way delay: 36.799 ms
Loss rate: 8.80%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 34.897 ms
Loss rate: 10.63%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 41.949 ms
Loss rate: 14.27%
```

Run 1: Report of TCP BBR — Data Link

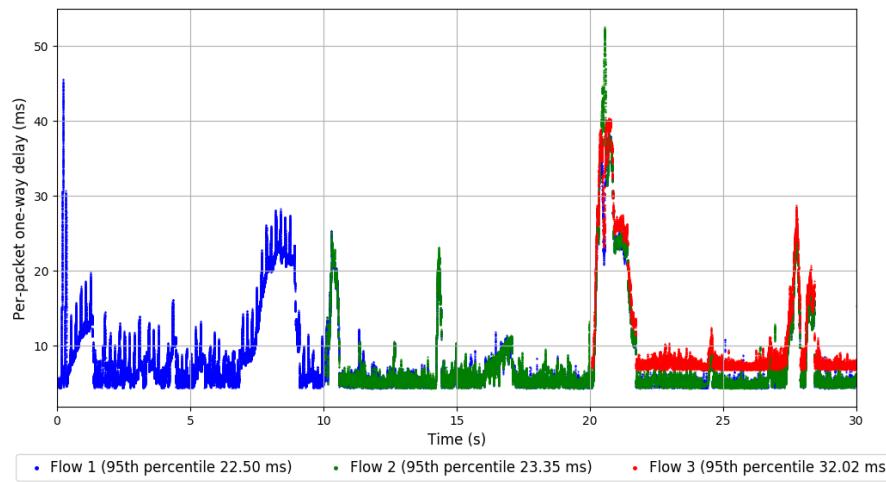
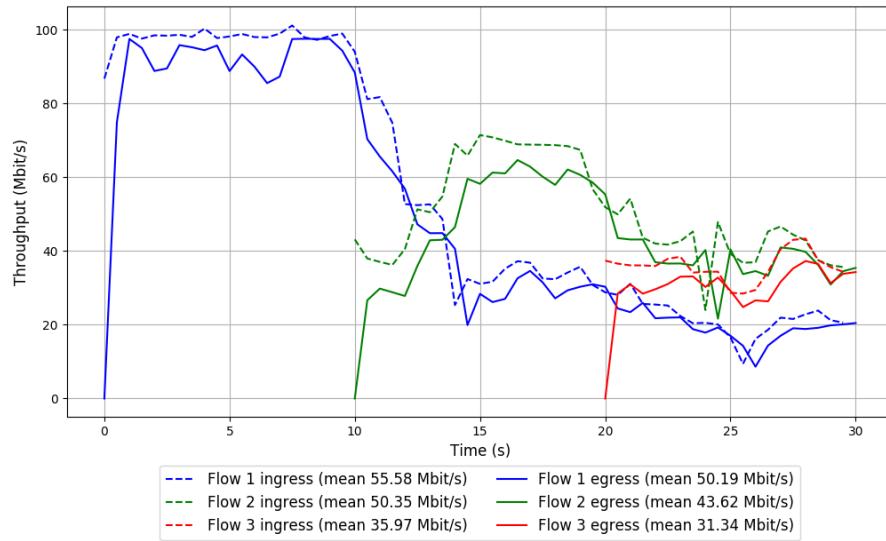


Run 2: Statistics of TCP BBR

```
Start at: 2018-09-25 08:34:51
End at: 2018-09-25 08:35:21
Local clock offset: 3.301 ms
Remote clock offset: -2.548 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 23.377 ms
Loss rate: 11.28%
-- Flow 1:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 22.496 ms
Loss rate: 9.70%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 23.349 ms
Loss rate: 13.37%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 32.017 ms
Loss rate: 12.81%
```

Run 2: Report of TCP BBR — Data Link

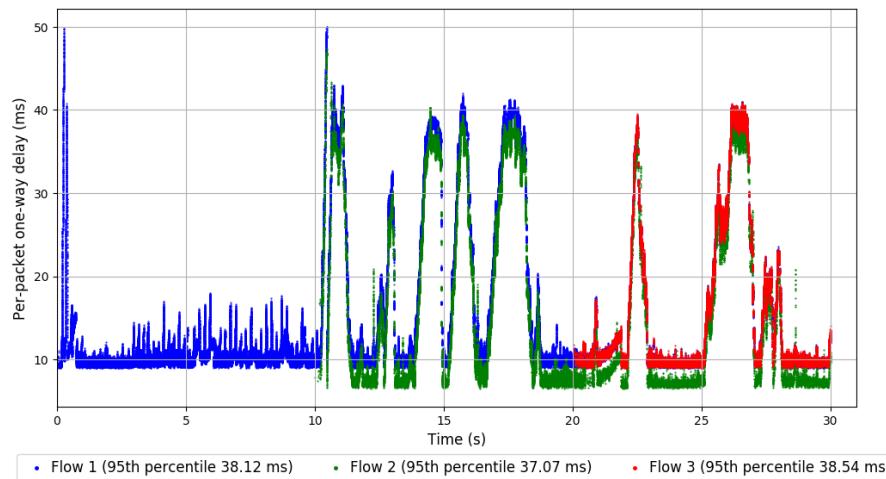
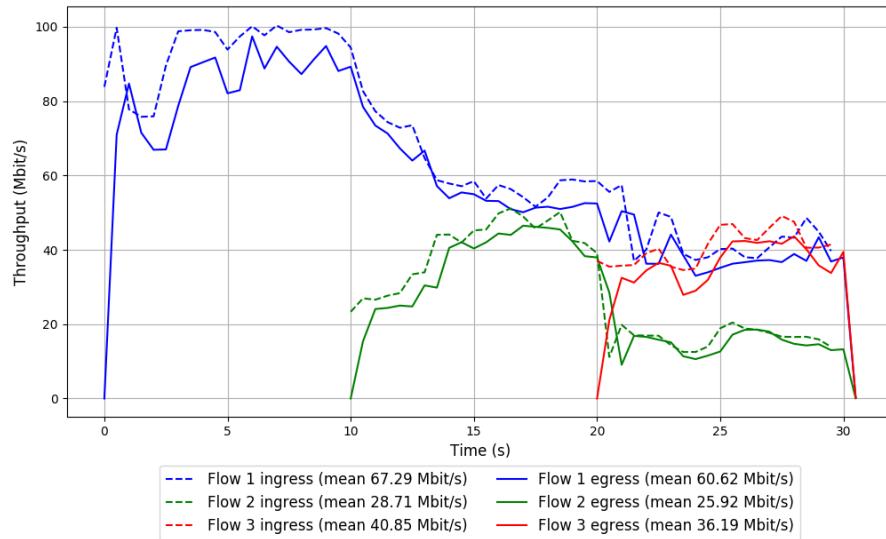


Run 3: Statistics of TCP BBR

```
Start at: 2018-09-25 08:57:15
End at: 2018-09-25 08:57:45
Local clock offset: 0.152 ms
Remote clock offset: -1.75 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 37.952 ms
Loss rate: 10.08%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 38.115 ms
Loss rate: 9.91%
-- Flow 2:
Average throughput: 25.92 Mbit/s
95th percentile per-packet one-way delay: 37.073 ms
Loss rate: 9.70%
-- Flow 3:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 38.544 ms
Loss rate: 11.42%
```

Run 3: Report of TCP BBR — Data Link

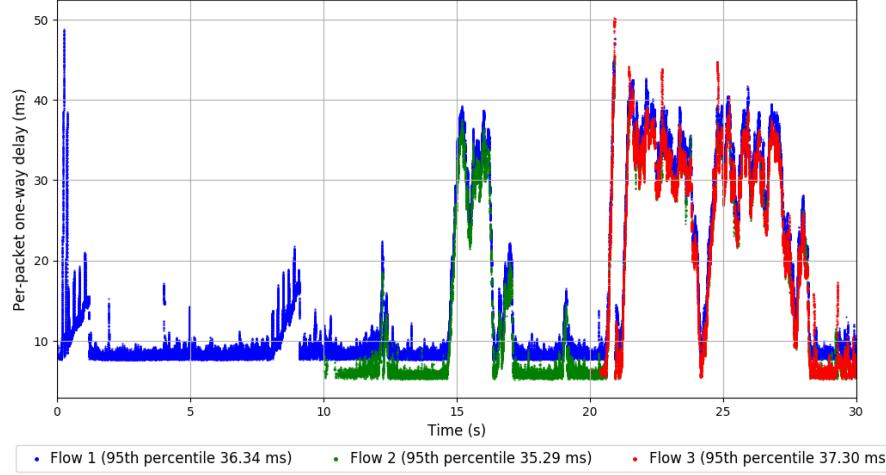
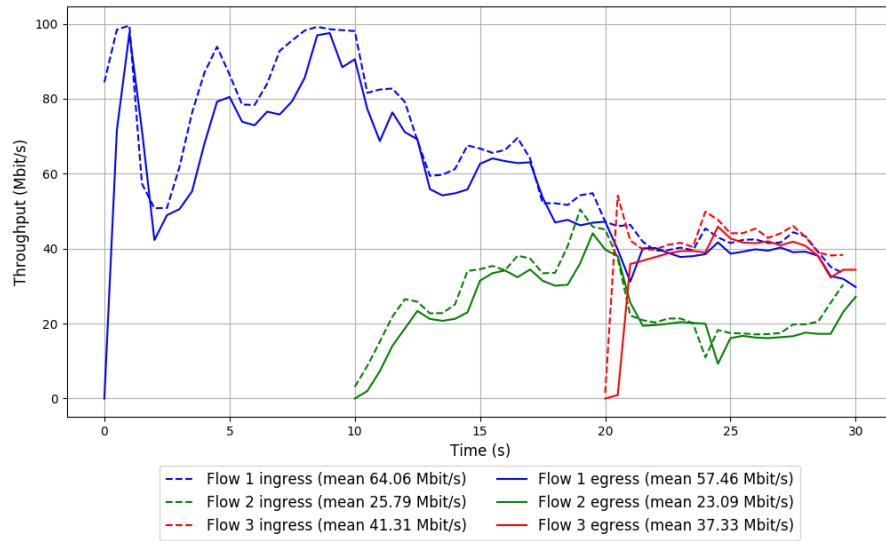


Run 4: Statistics of TCP BBR

```
Start at: 2018-09-25 09:19:29
End at: 2018-09-25 09:19:59
Local clock offset: 0.943 ms
Remote clock offset: -2.814 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 36.253 ms
Loss rate: 10.24%
-- Flow 1:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 36.341 ms
Loss rate: 10.31%
-- Flow 2:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 35.287 ms
Loss rate: 10.46%
-- Flow 3:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 37.297 ms
Loss rate: 9.63%
```

Run 4: Report of TCP BBR — Data Link

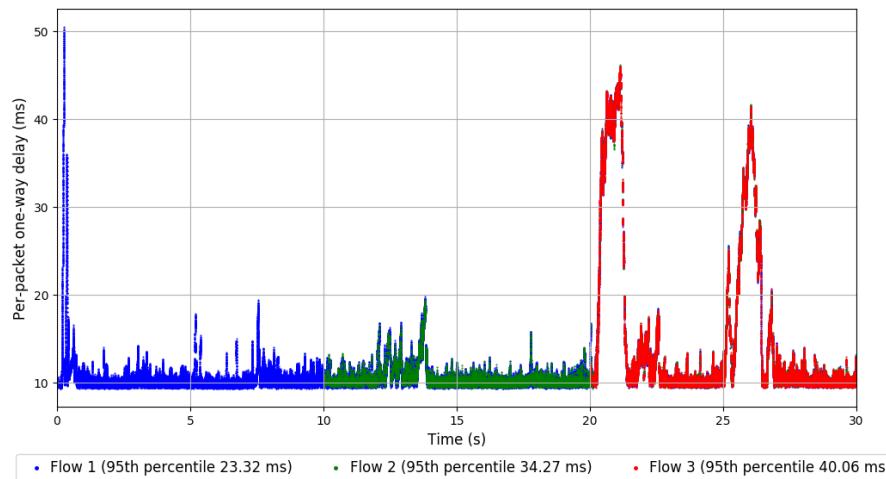
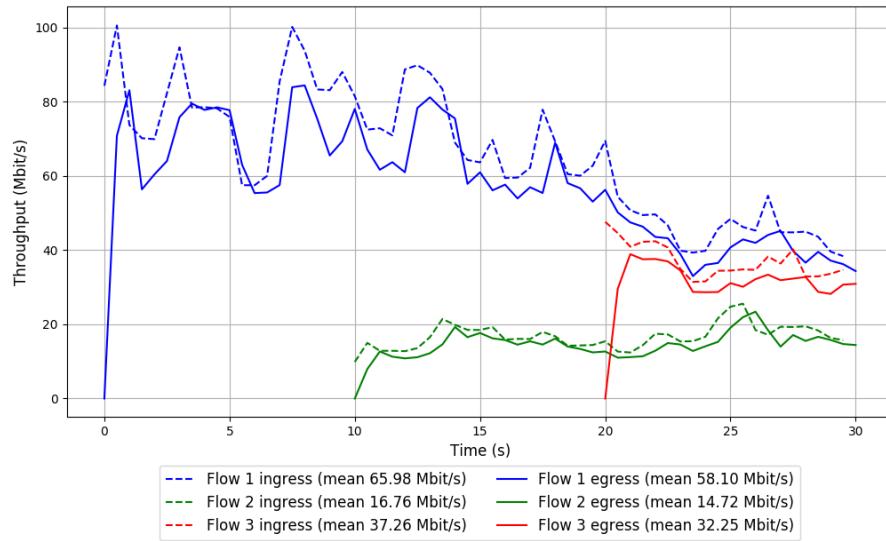


Run 5: Statistics of TCP BBR

```
Start at: 2018-09-25 09:41:56
End at: 2018-09-25 09:42:26
Local clock offset: 0.27 ms
Remote clock offset: -2.186 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 32.307 ms
Loss rate: 12.19%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 23.322 ms
Loss rate: 11.95%
-- Flow 2:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 34.273 ms
Loss rate: 12.16%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 40.063 ms
Loss rate: 13.47%
```

Run 5: Report of TCP BBR — Data Link

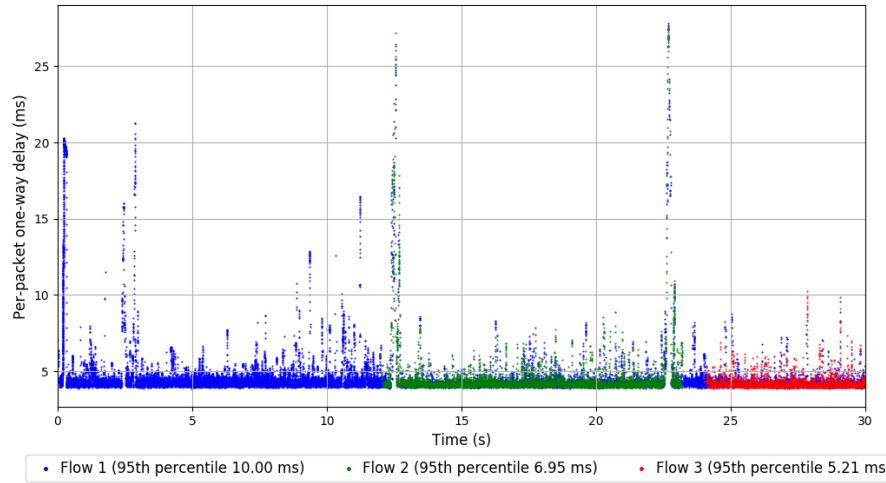
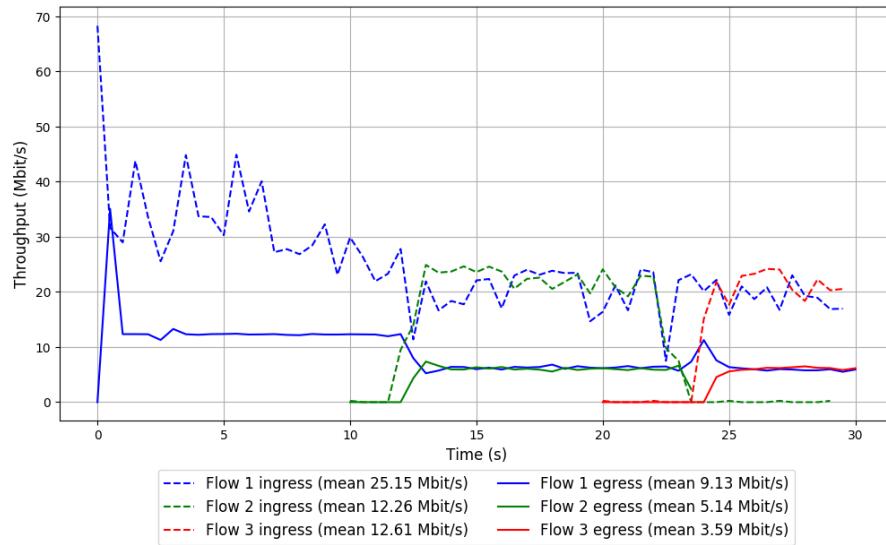


Run 1: Statistics of Copa

```
Start at: 2018-09-25 08:21:49
End at: 2018-09-25 08:22:19
Local clock offset: 3.25 ms
Remote clock offset: -3.344 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 8.049 ms
Loss rate: 66.19%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 9.997 ms
Loss rate: 63.72%
-- Flow 2:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 6.951 ms
Loss rate: 71.26%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 5.207 ms
Loss rate: 71.52%
```

Run 1: Report of Copa — Data Link

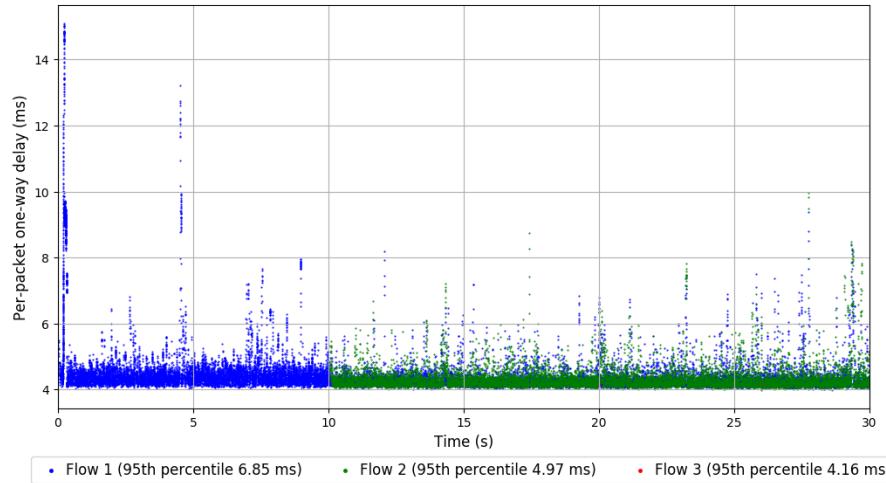
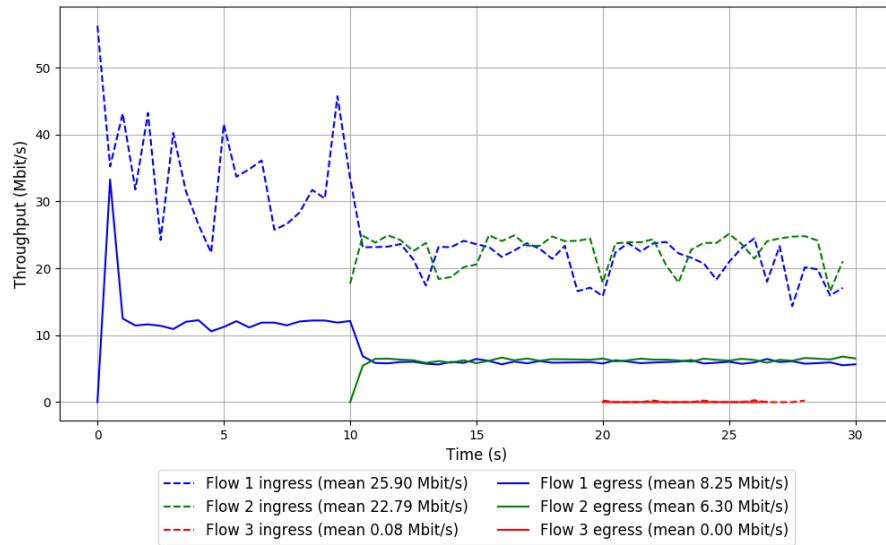


Run 2: Statistics of Copa

```
Start at: 2018-09-25 08:44:13
End at: 2018-09-25 08:44:43
Local clock offset: 2.256 ms
Remote clock offset: -3.057 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 5.682 ms
Loss rate: 69.72%
-- Flow 1:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 6.853 ms
Loss rate: 68.15%
-- Flow 2:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 4.968 ms
Loss rate: 72.35%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 4.161 ms
Loss rate: 97.92%
```

Run 2: Report of Copa — Data Link

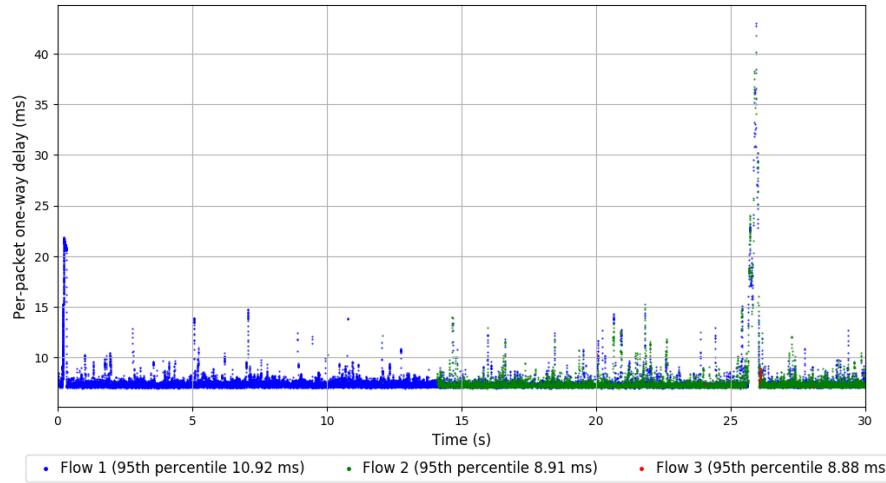
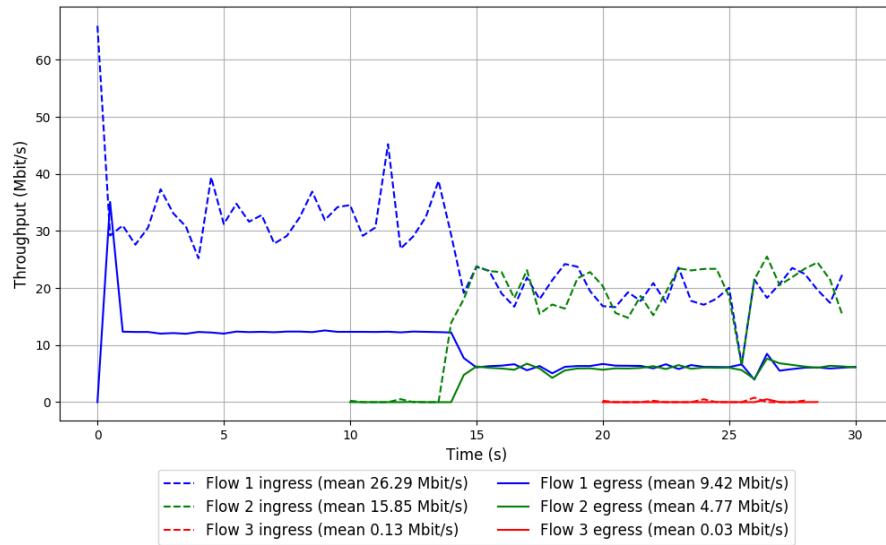


Run 3: Statistics of Copa

```
Start at: 2018-09-25 09:06:33
End at: 2018-09-25 09:07:03
Local clock offset: -1.658 ms
Remote clock offset: -2.966 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 9.969 ms
Loss rate: 65.81%
-- Flow 1:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 10.916 ms
Loss rate: 64.16%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 8.913 ms
Loss rate: 69.89%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 8.883 ms
Loss rate: 73.18%
```

Run 3: Report of Copa — Data Link

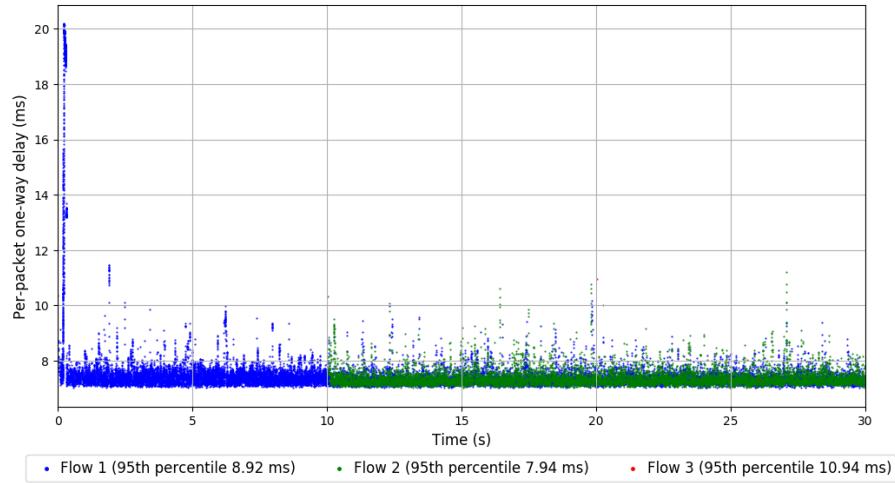
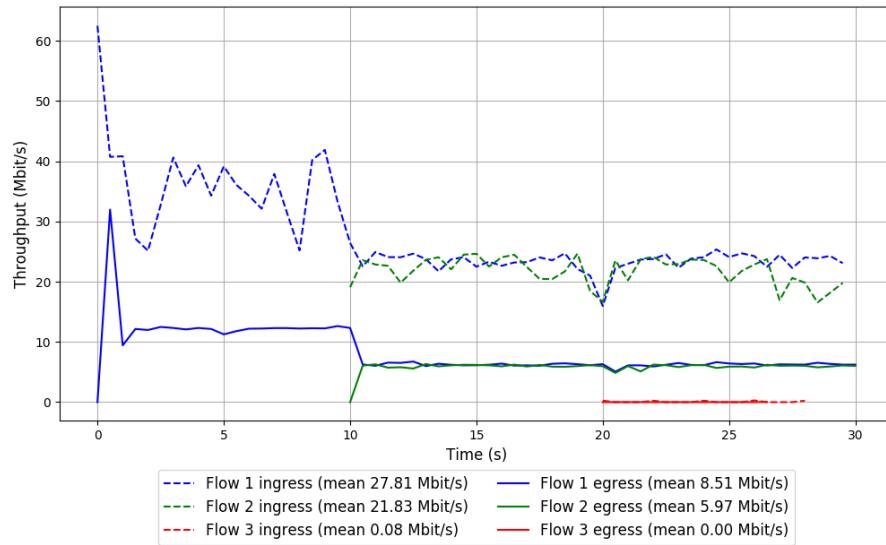


Run 4: Statistics of Copa

```
Start at: 2018-09-25 09:28:59
End at: 2018-09-25 09:29:29
Local clock offset: -0.273 ms
Remote clock offset: -2.334 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 8.311 ms
Loss rate: 70.54%
-- Flow 1:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 8.921 ms
Loss rate: 69.40%
-- Flow 2:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 7.942 ms
Loss rate: 72.67%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 10.939 ms
Loss rate: 97.92%
```

Run 4: Report of Copa — Data Link

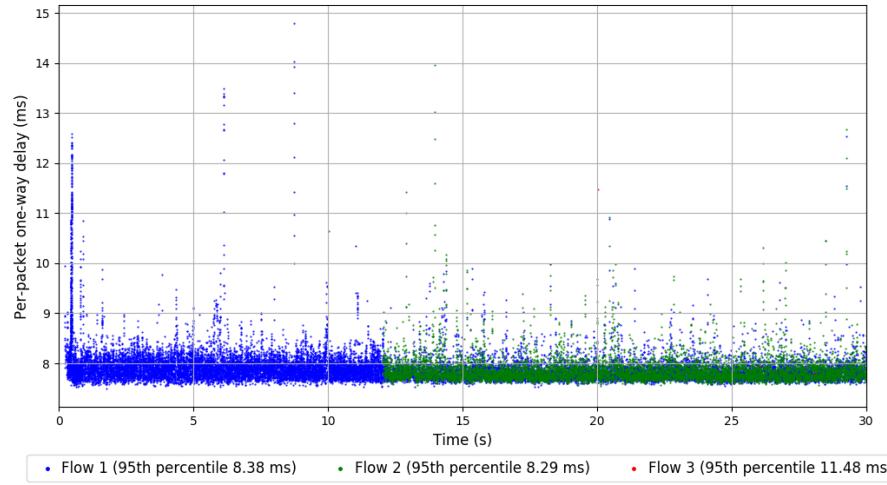
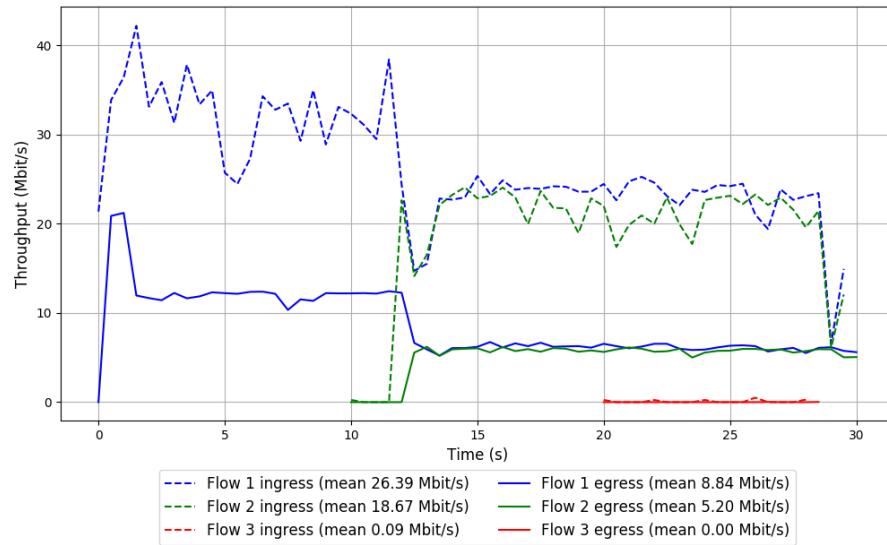


Run 5: Statistics of Copa

```
Start at: 2018-09-25 09:51:26
End at: 2018-09-25 09:51:56
Local clock offset: 0.562 ms
Remote clock offset: -1.842 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 8.352 ms
Loss rate: 68.49%
-- Flow 1:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 8.376 ms
Loss rate: 66.72%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 8.294 ms
Loss rate: 72.18%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 11.476 ms
Loss rate: 96.69%
```

Run 5: Report of Copa — Data Link

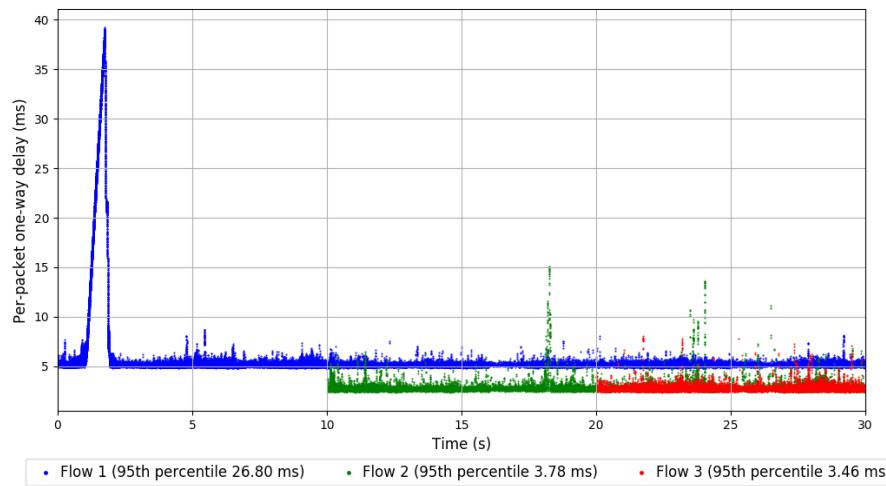
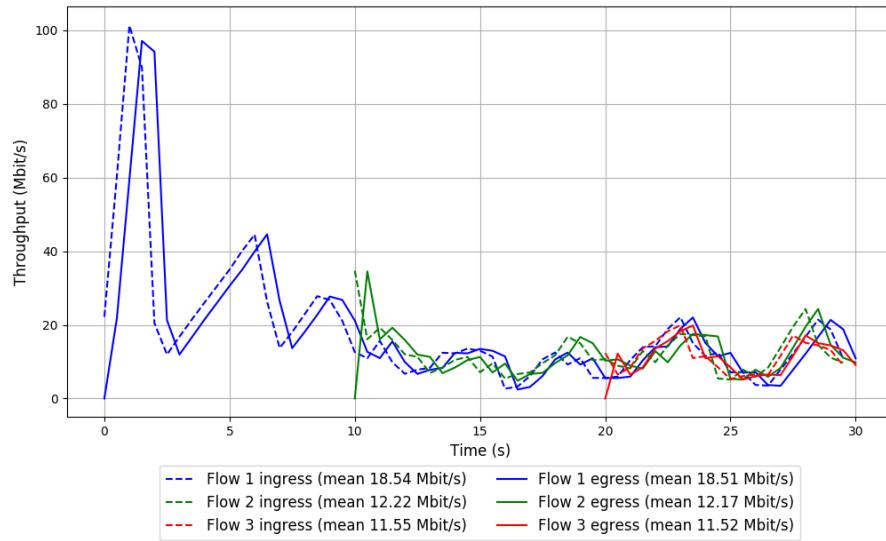


```
Run 1: Statistics of TCP Cubic

Start at: 2018-09-25 08:14:56
End at: 2018-09-25 08:15:26
Local clock offset: 4.366 ms
Remote clock offset: -3.81 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 20.801 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 26.797 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 3.782 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 3.462 ms
Loss rate: 0.31%
```

Run 1: Report of TCP Cubic — Data Link

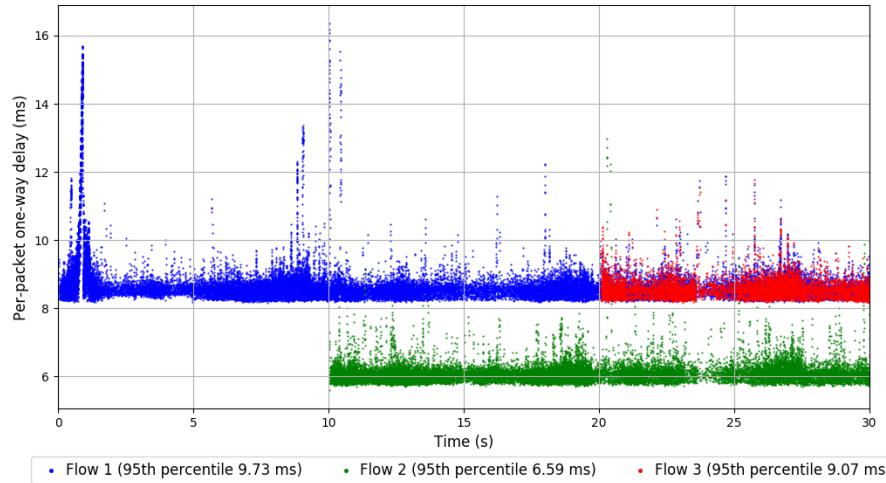
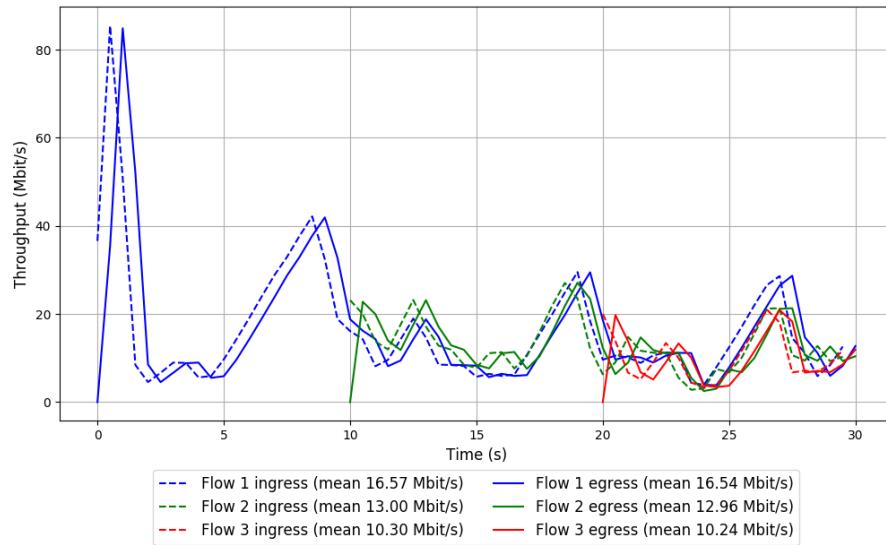


Run 2: Statistics of TCP Cubic

```
Start at: 2018-09-25 08:37:14
End at: 2018-09-25 08:37:44
Local clock offset: 1.726 ms
Remote clock offset: -2.688 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 9.303 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 9.735 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 6.590 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 9.072 ms
Loss rate: 0.63%
```

Run 2: Report of TCP Cubic — Data Link

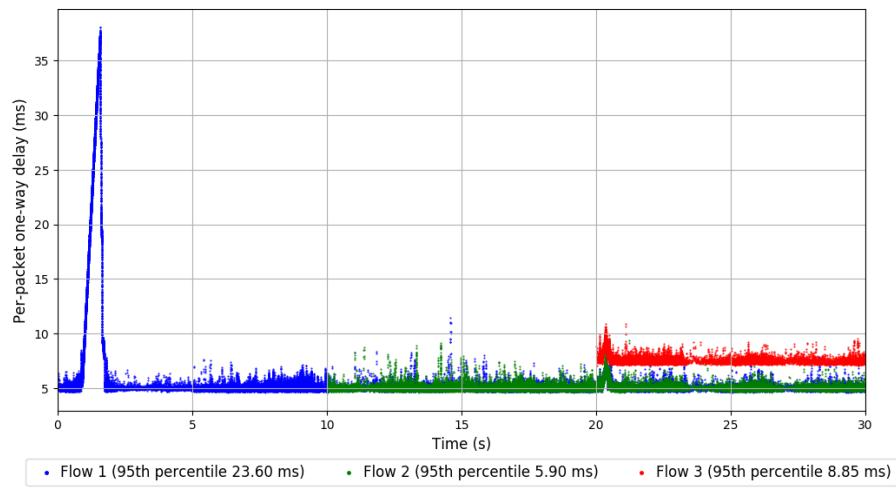
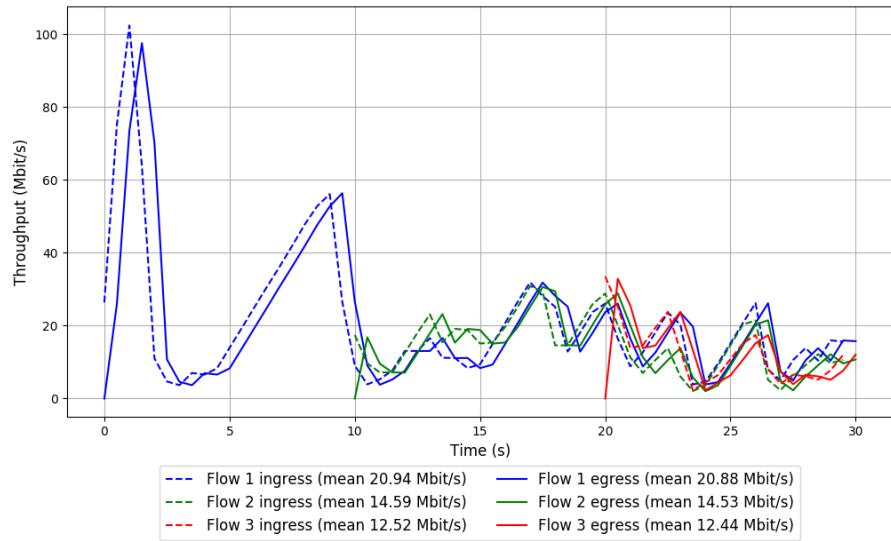


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-09-25 08:59:35
End at: 2018-09-25 09:00:05
Local clock offset: 1.191 ms
Remote clock offset: -2.566 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 15.278 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 23.603 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 5.902 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 8.847 ms
Loss rate: 0.68%
```

Run 3: Report of TCP Cubic — Data Link

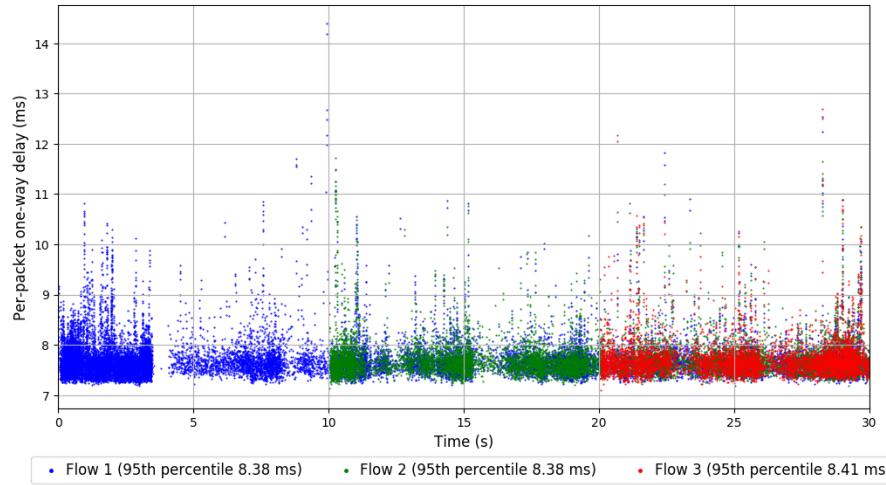
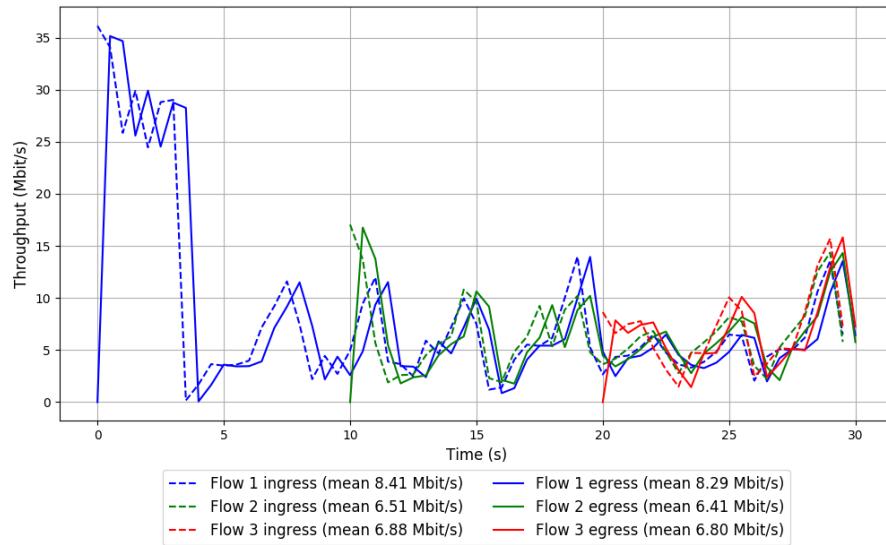


Run 4: Statistics of TCP Cubic

```
Start at: 2018-09-25 09:21:48
End at: 2018-09-25 09:22:18
Local clock offset: 1.539 ms
Remote clock offset: -2.636 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 8.387 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 8.379 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 8.383 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 8.410 ms
Loss rate: 1.30%
```

Run 4: Report of TCP Cubic — Data Link

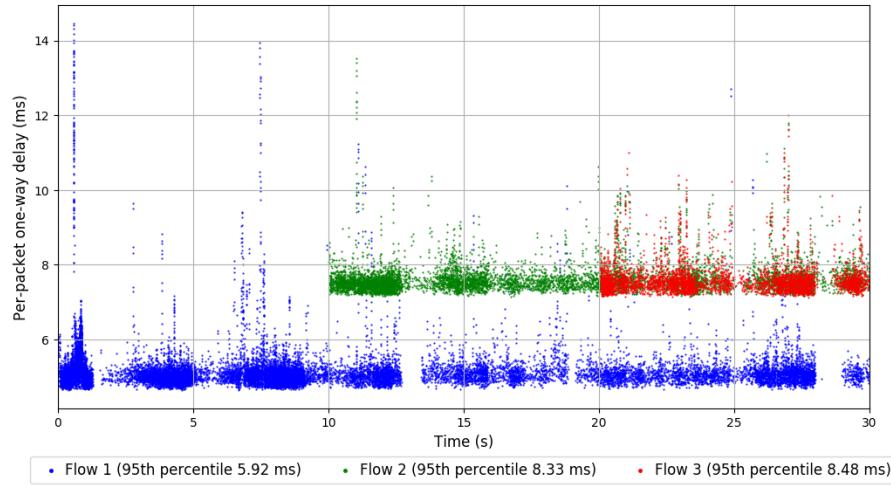
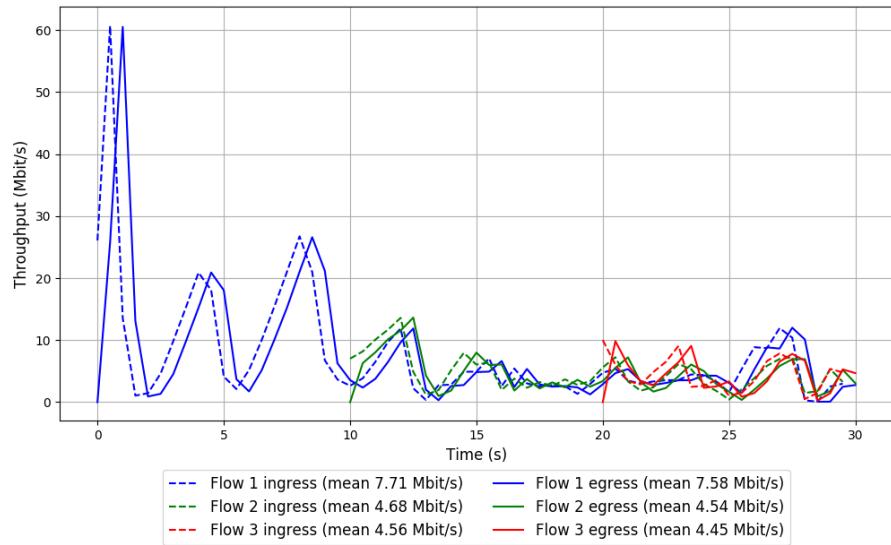


Run 5: Statistics of TCP Cubic

```
Start at: 2018-09-25 09:44:28
End at: 2018-09-25 09:44:58
Local clock offset: 3.15 ms
Remote clock offset: -1.692 ms

# Below is generated by plot.py at 2018-09-25 10:06:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 7.942 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 5.921 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 8.326 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 8.479 ms
Loss rate: 2.41%
```

Run 5: Report of TCP Cubic — Data Link

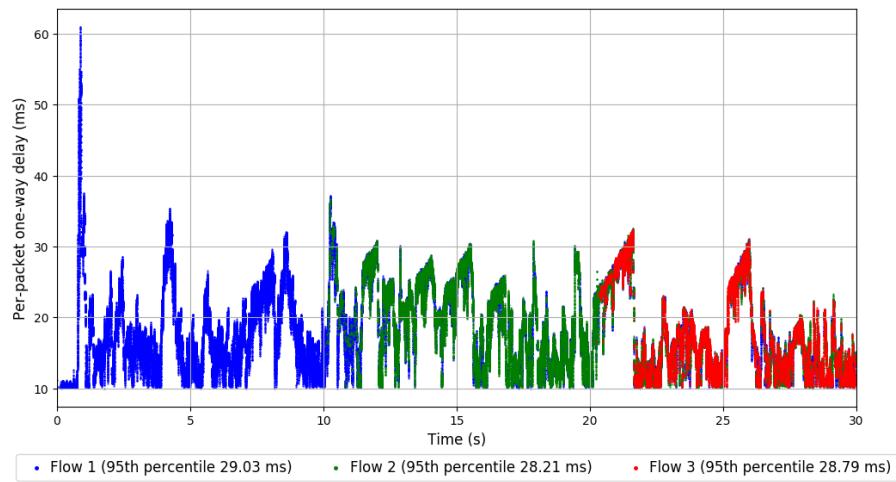
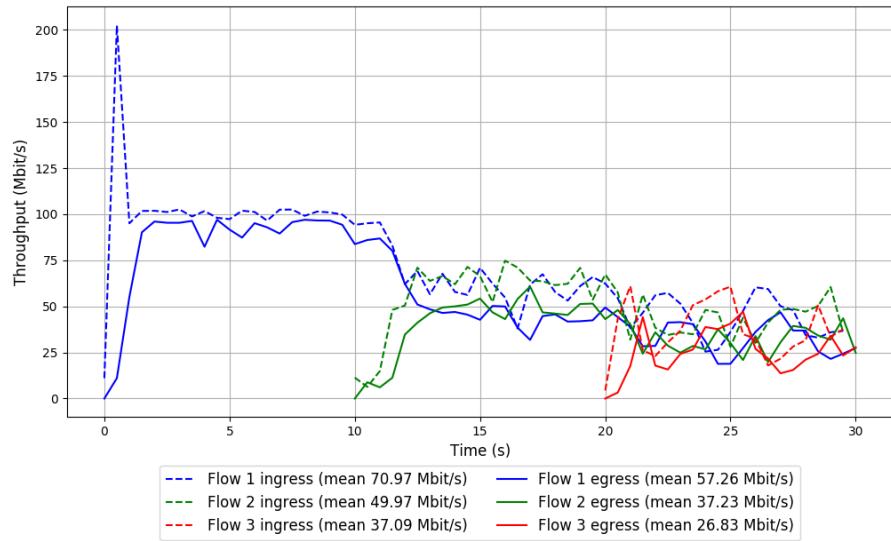


```
Run 1: Statistics of FillP

Start at: 2018-09-25 08:20:37
End at: 2018-09-25 08:21:07
Local clock offset: -0.689 ms
Remote clock offset: -3.393 ms

# Below is generated by plot.py at 2018-09-25 10:07:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 28.705 ms
Loss rate: 22.11%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 29.028 ms
Loss rate: 19.30%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 28.214 ms
Loss rate: 25.48%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 28.794 ms
Loss rate: 29.16%
```

Run 1: Report of FillP — Data Link

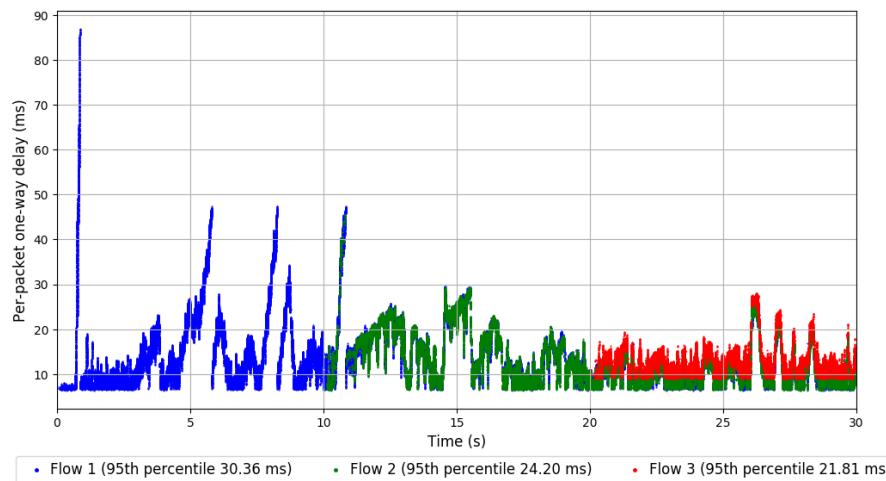
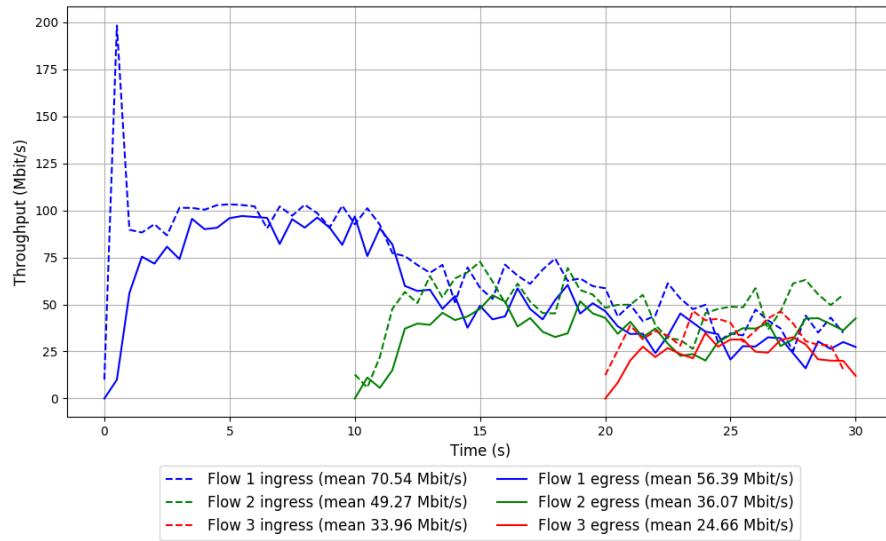


Run 2: Statistics of FillP

```
Start at: 2018-09-25 08:43:01
End at: 2018-09-25 08:43:31
Local clock offset: 0.396 ms
Remote clock offset: -2.463 ms

# Below is generated by plot.py at 2018-09-25 10:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 26.807 ms
Loss rate: 22.69%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 30.357 ms
Loss rate: 20.05%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 24.200 ms
Loss rate: 26.77%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.813 ms
Loss rate: 27.35%
```

Run 2: Report of FillP — Data Link

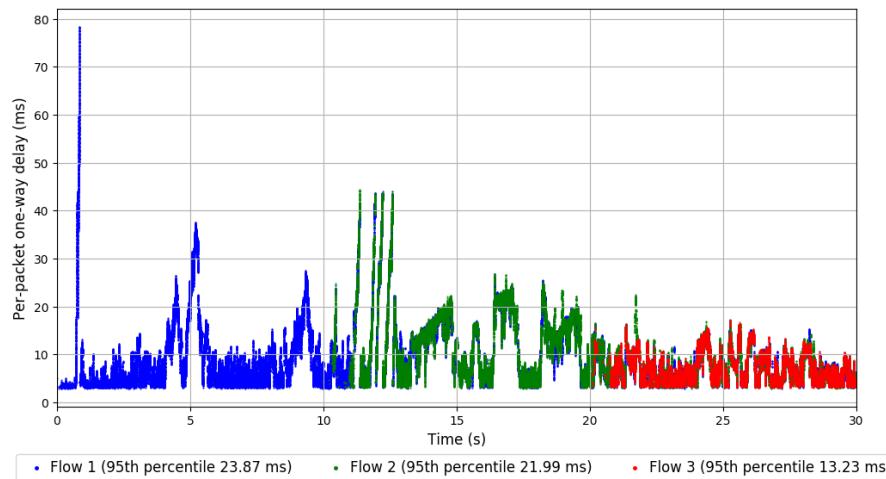
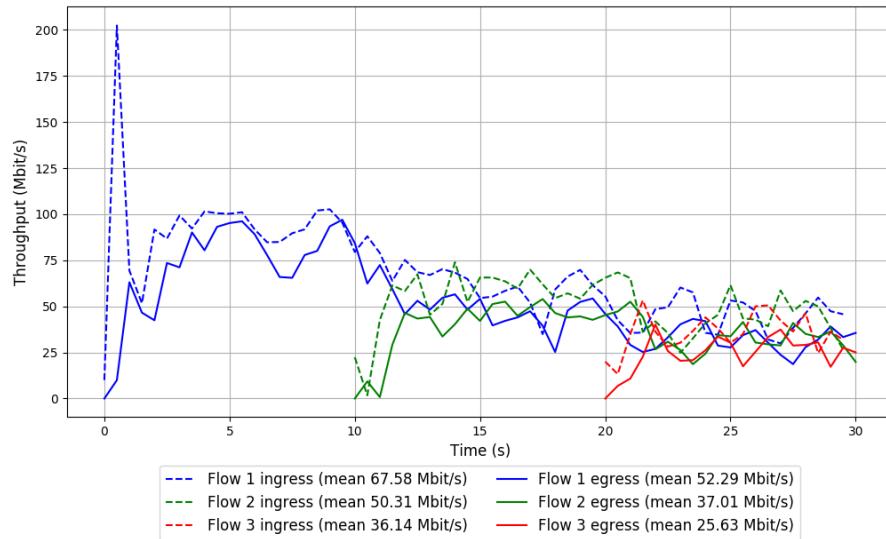


Run 3: Statistics of FillP

```
Start at: 2018-09-25 09:05:21
End at: 2018-09-25 09:05:51
Local clock offset: 2.17 ms
Remote clock offset: -2.946 ms

# Below is generated by plot.py at 2018-09-25 10:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 22.460 ms
Loss rate: 24.44%
-- Flow 1:
Average throughput: 52.29 Mbit/s
95th percentile per-packet one-way delay: 23.867 ms
Loss rate: 22.62%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 21.994 ms
Loss rate: 26.44%
-- Flow 3:
Average throughput: 25.63 Mbit/s
95th percentile per-packet one-way delay: 13.234 ms
Loss rate: 29.08%
```

Run 3: Report of FillP — Data Link

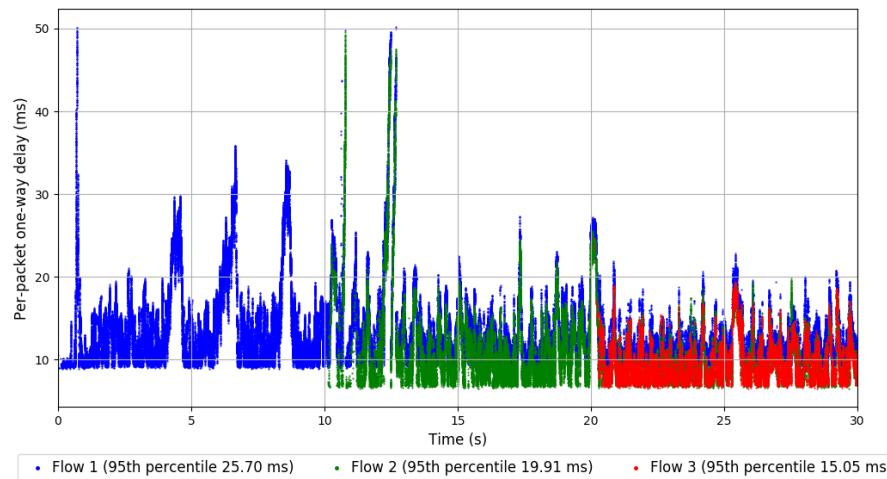
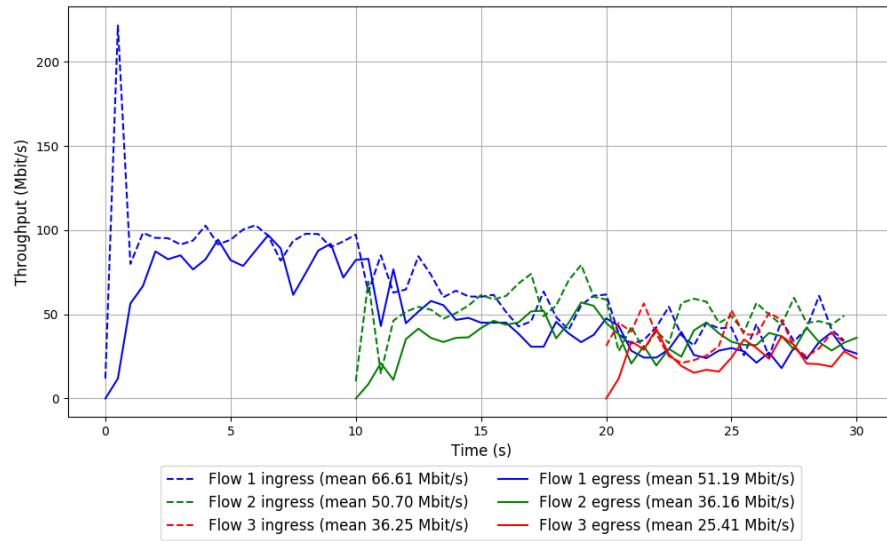


```
Run 4: Statistics of FillP
```

```
Start at: 2018-09-25 09:27:48
End at: 2018-09-25 09:28:18
Local clock offset: -0.433 ms
Remote clock offset: -2.826 ms

# Below is generated by plot.py at 2018-09-25 10:07:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 24.026 ms
Loss rate: 25.55%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 25.704 ms
Loss rate: 23.15%
-- Flow 2:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 19.907 ms
Loss rate: 28.70%
-- Flow 3:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 15.047 ms
Loss rate: 30.01%
```

Run 4: Report of FillP — Data Link

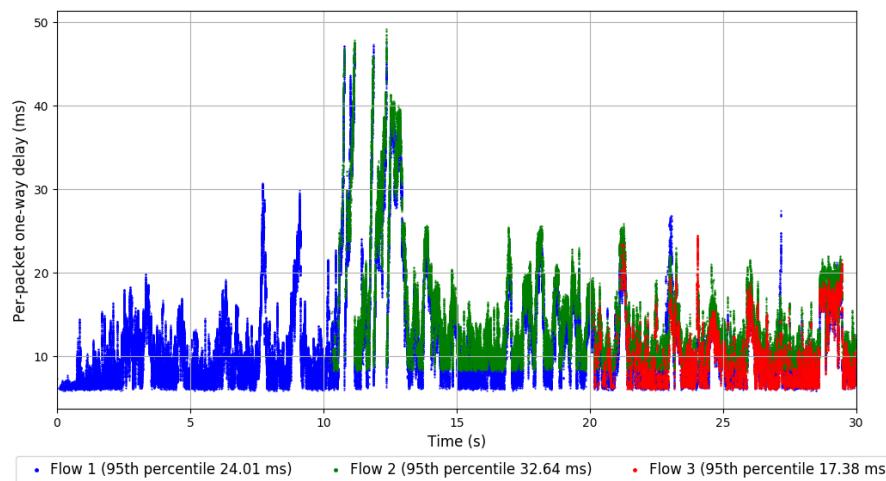
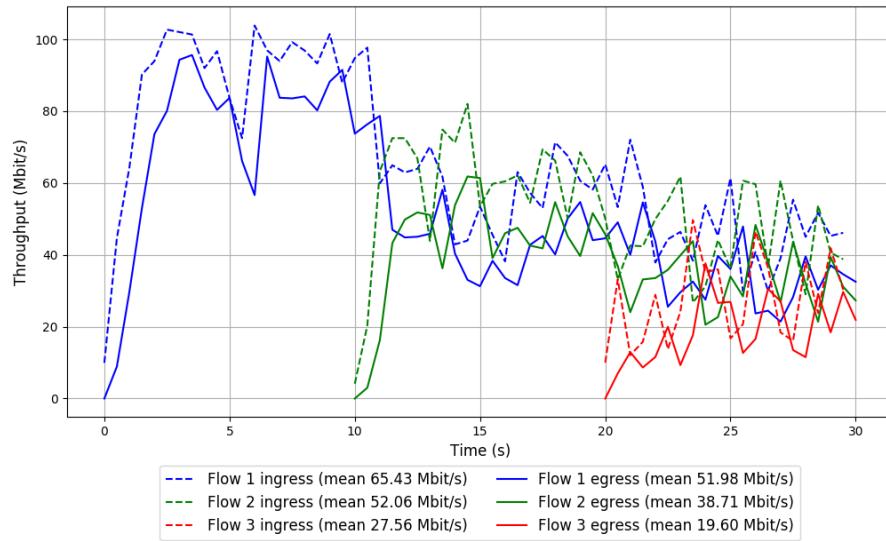


```
Run 5: Statistics of FillP
```

```
Start at: 2018-09-25 09:50:14
End at: 2018-09-25 09:50:44
Local clock offset: 1.373 ms
Remote clock offset: -2.431 ms

# Below is generated by plot.py at 2018-09-25 10:07:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 25.417 ms
Loss rate: 22.88%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 24.011 ms
Loss rate: 20.57%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 32.639 ms
Loss rate: 25.64%
-- Flow 3:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 17.378 ms
Loss rate: 28.93%
```

Run 5: Report of FillP — Data Link

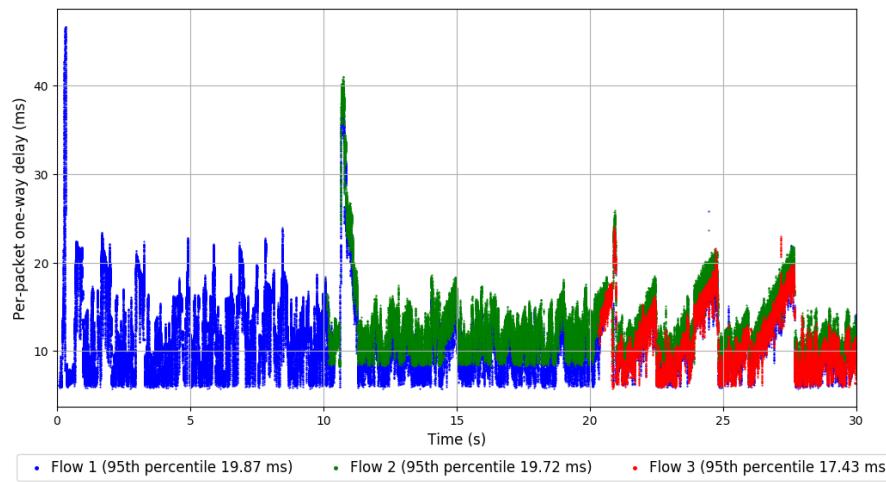
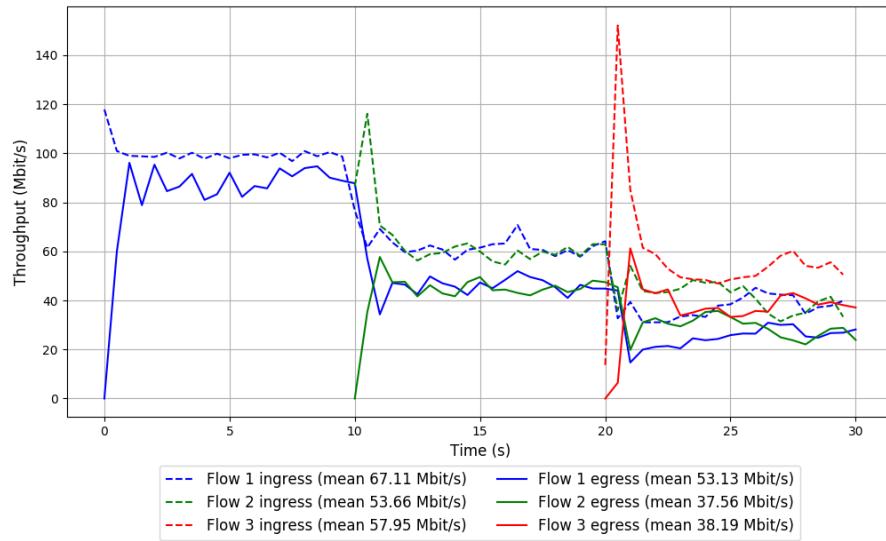


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2018-09-25 08:18:19
End at: 2018-09-25 08:18:49
Local clock offset: 0.944 ms
Remote clock offset: -3.567 ms

# Below is generated by plot.py at 2018-09-25 10:07:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 25.59%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 19.873 ms
Loss rate: 20.81%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 19.718 ms
Loss rate: 30.01%
-- Flow 3:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 17.434 ms
Loss rate: 34.08%
```

Run 1: Report of FillP-Sheep — Data Link

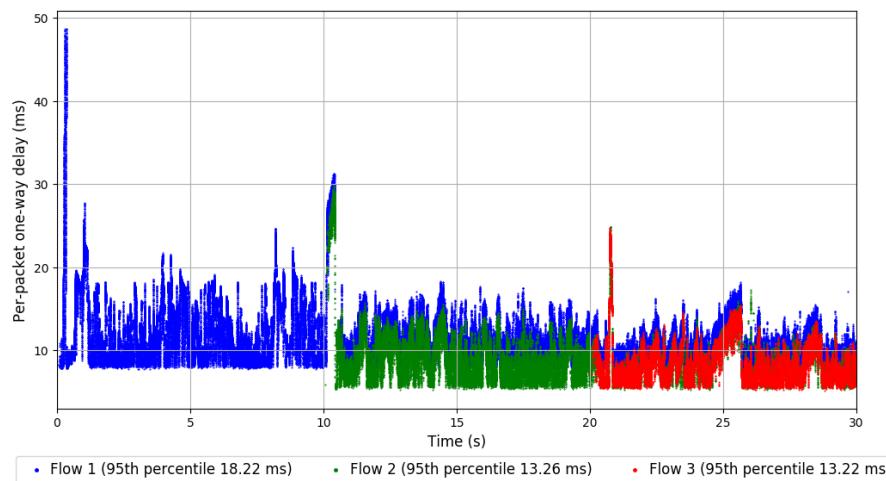
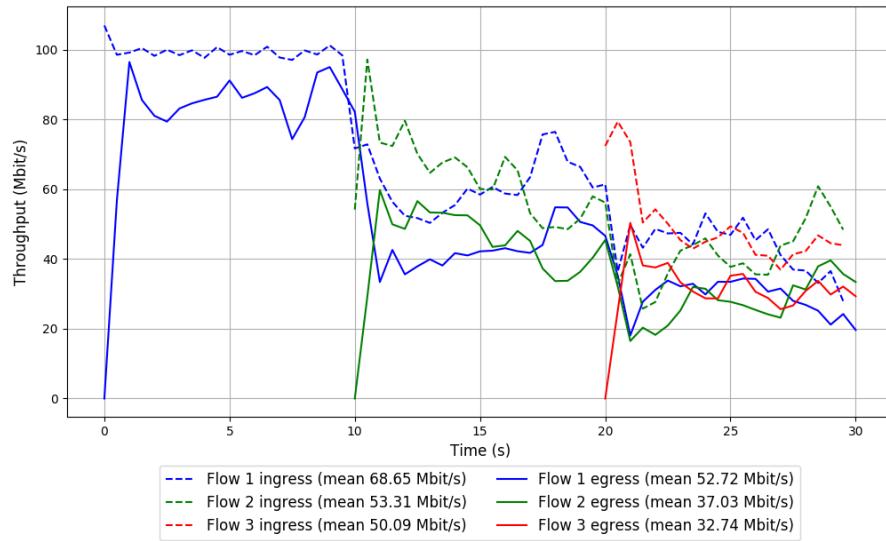


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-09-25 08:40:42
End at: 2018-09-25 08:41:12
Local clock offset: 2.454 ms
Remote clock offset: -1.832 ms

# Below is generated by plot.py at 2018-09-25 10:07:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 17.586 ms
Loss rate: 26.93%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 18.222 ms
Loss rate: 23.20%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 13.259 ms
Loss rate: 30.54%
-- Flow 3:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 13.221 ms
Loss rate: 34.63%
```

Run 2: Report of FillP-Sheep — Data Link

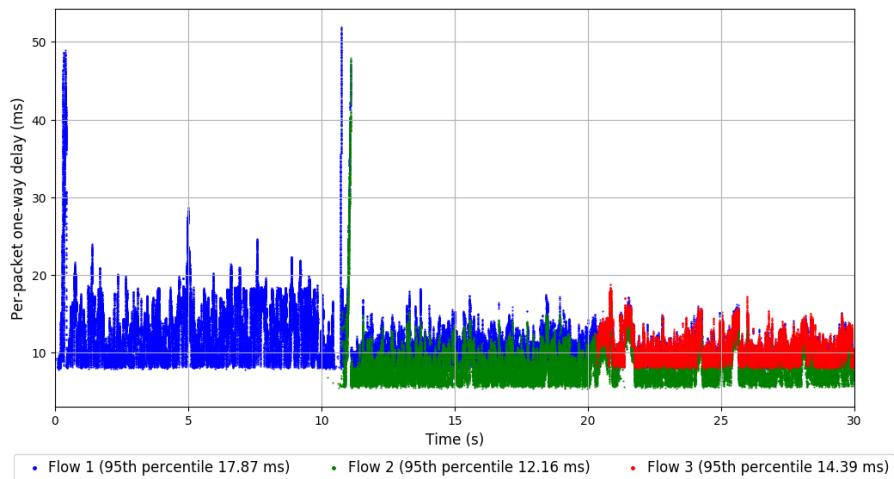
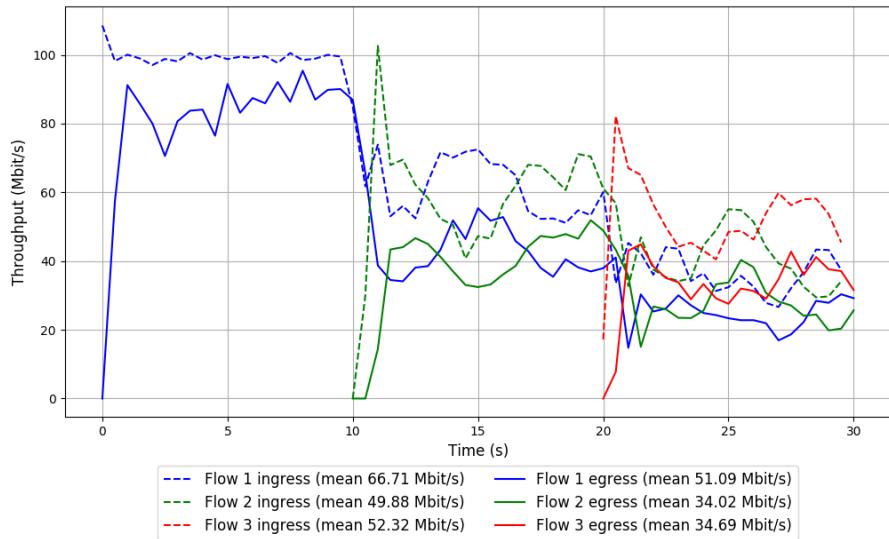


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:02:59
End at: 2018-09-25 09:03:29
Local clock offset: 0.7 ms
Remote clock offset: -1.987 ms

# Below is generated by plot.py at 2018-09-25 10:07:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 17.292 ms
Loss rate: 27.71%
-- Flow 1:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 17.869 ms
Loss rate: 23.42%
-- Flow 2:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 12.164 ms
Loss rate: 32.48%
-- Flow 3:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 14.388 ms
Loss rate: 35.06%
```

Run 3: Report of FillP-Sheep — Data Link

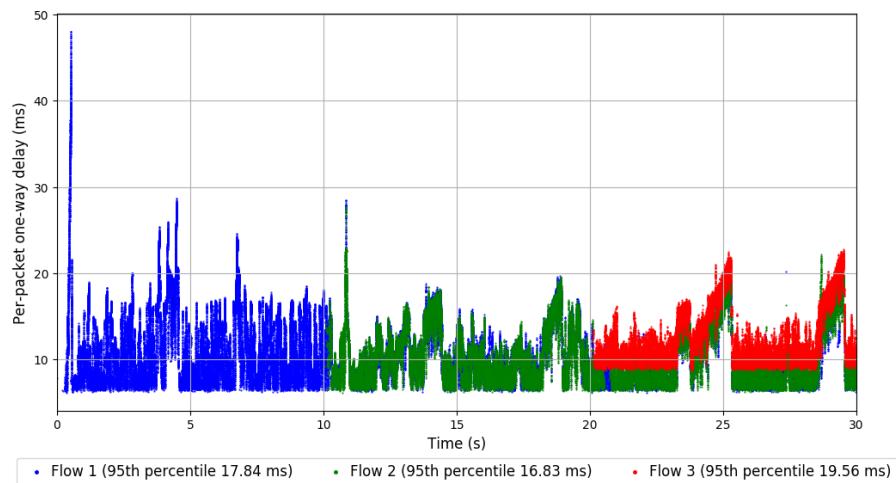
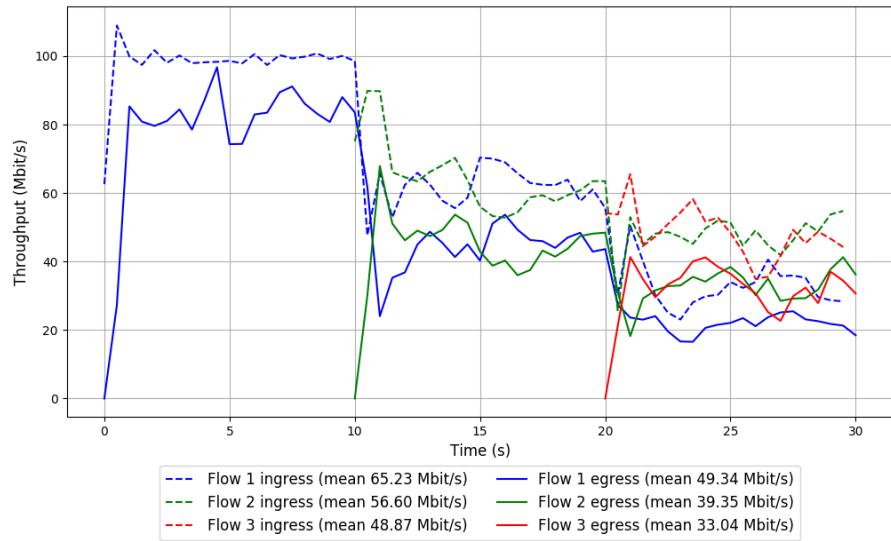


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:25:10
End at: 2018-09-25 09:25:40
Local clock offset: -0.182 ms
Remote clock offset: -2.748 ms

# Below is generated by plot.py at 2018-09-25 10:08:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 17.826 ms
Loss rate: 27.39%
-- Flow 1:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 17.835 ms
Loss rate: 24.36%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 16.828 ms
Loss rate: 30.49%
-- Flow 3:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 19.561 ms
Loss rate: 32.41%
```

Run 4: Report of FillP-Sheep — Data Link

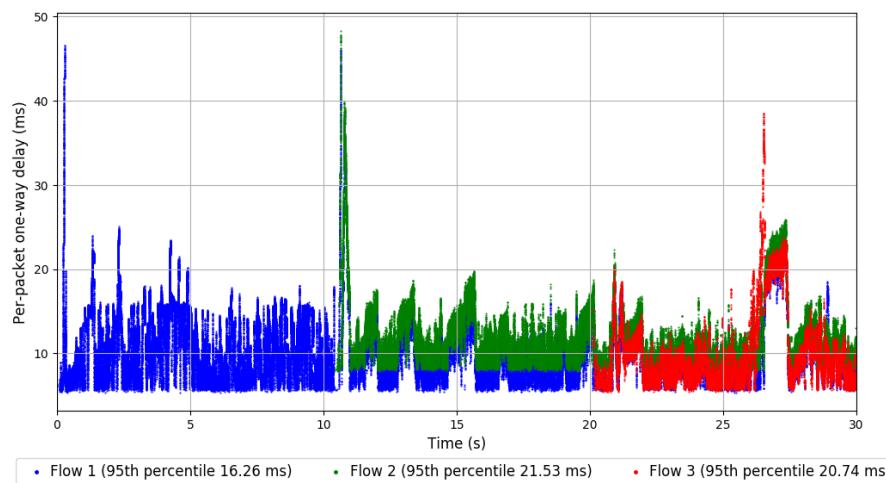
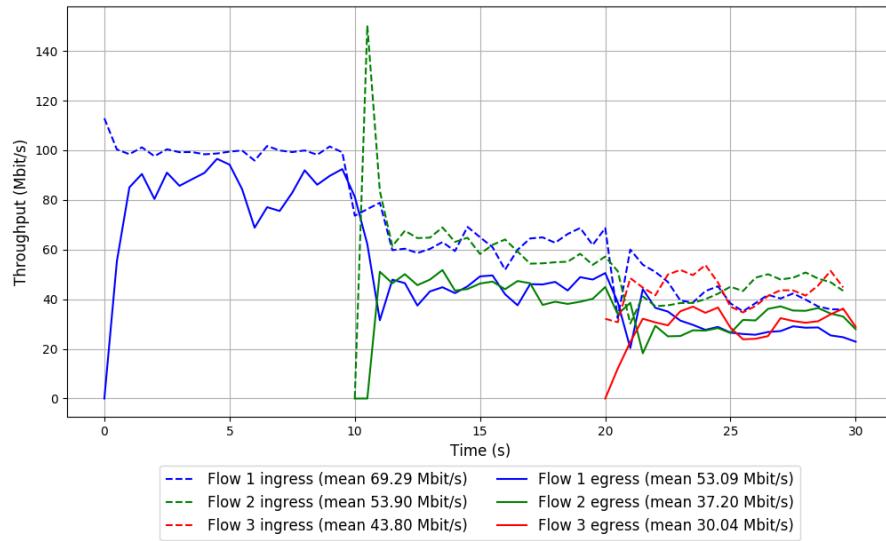


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:47:53
End at: 2018-09-25 09:48:23
Local clock offset: 1.393 ms
Remote clock offset: -2.691 ms

# Below is generated by plot.py at 2018-09-25 10:08:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 18.511 ms
Loss rate: 26.85%
-- Flow 1:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 16.264 ms
Loss rate: 23.38%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 21.530 ms
Loss rate: 31.68%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 20.736 ms
Loss rate: 31.46%
```

Run 5: Report of FillP-Sheep — Data Link

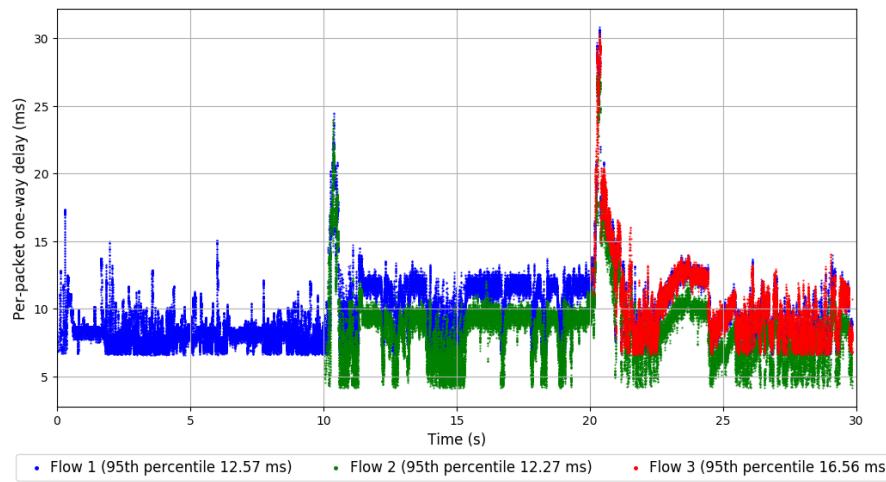
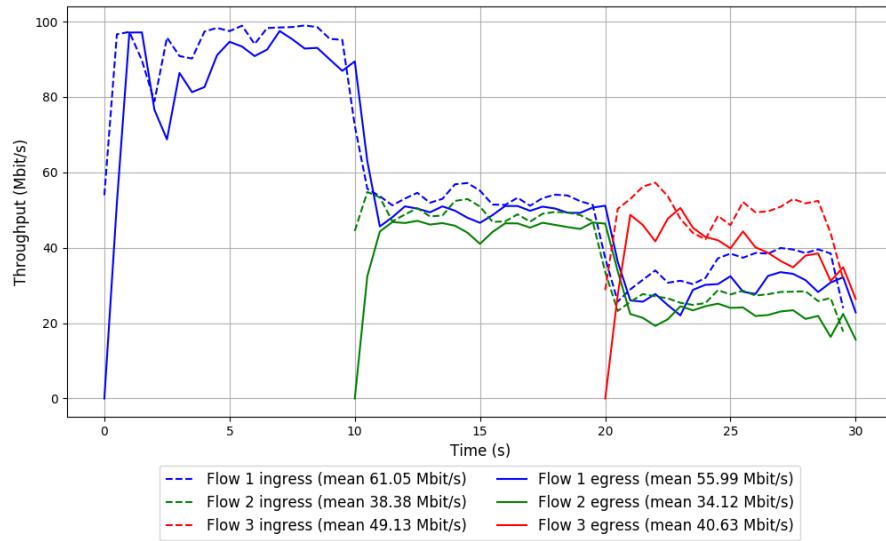


Run 1: Statistics of Indigo

```
Start at: 2018-09-25 08:31:19
End at: 2018-09-25 08:31:49
Local clock offset: 3.532 ms
Remote clock offset: -2.565 ms

# Below is generated by plot.py at 2018-09-25 10:08:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 13.031 ms
Loss rate: 10.41%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 8.29%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 12.266 ms
Loss rate: 11.10%
-- Flow 3:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 16.560 ms
Loss rate: 17.31%
```

Run 1: Report of Indigo — Data Link

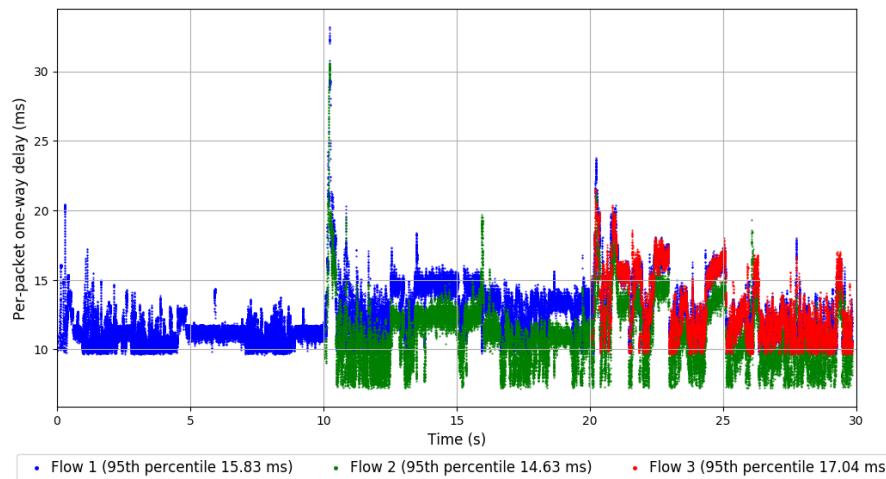
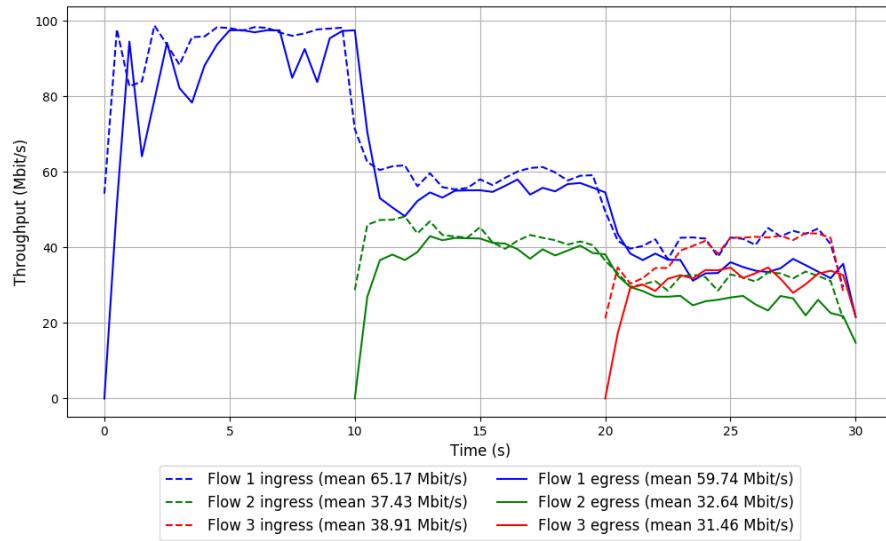


Run 2: Statistics of Indigo

```
Start at: 2018-09-25 08:53:42
End at: 2018-09-25 08:54:12
Local clock offset: -0.962 ms
Remote clock offset: -2.372 ms

# Below is generated by plot.py at 2018-09-25 10:08:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 16.077 ms
Loss rate: 10.75%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 15.827 ms
Loss rate: 8.32%
-- Flow 2:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 14.626 ms
Loss rate: 12.80%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 17.035 ms
Loss rate: 19.19%
```

Run 2: Report of Indigo — Data Link

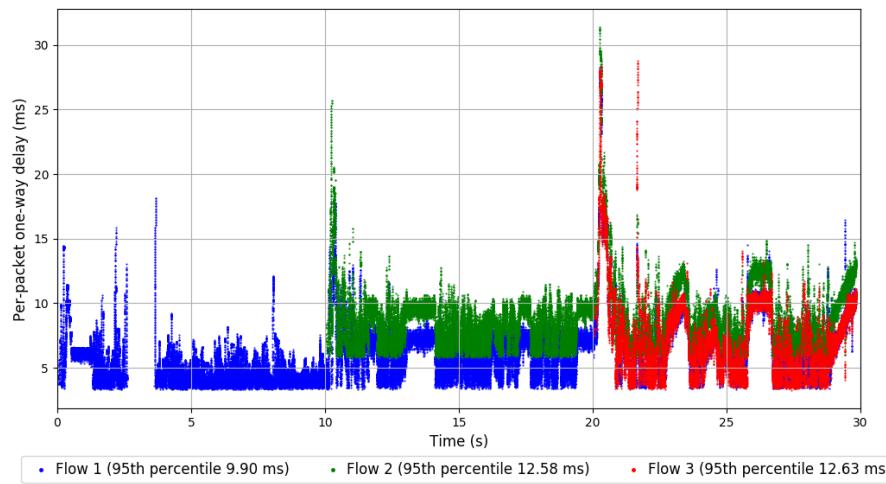
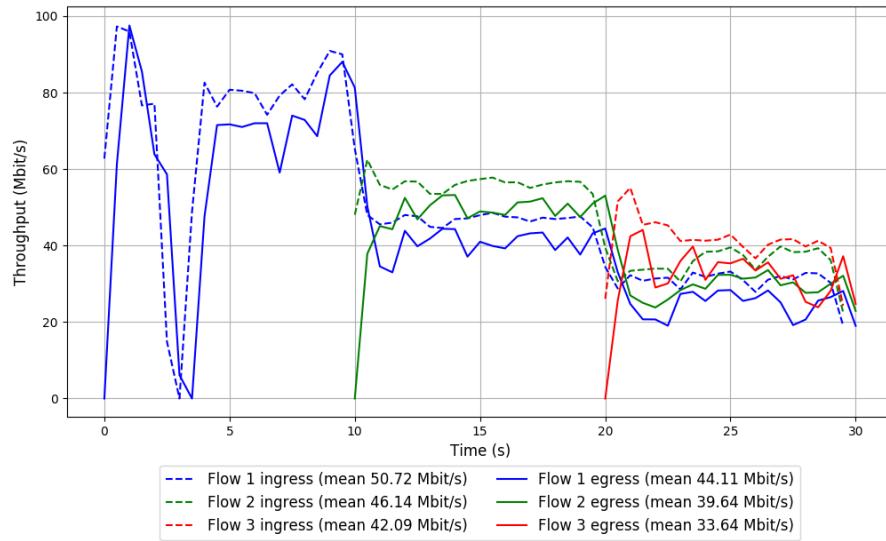


Run 3: Statistics of Indigo

```
Start at: 2018-09-25 09:15:59
End at: 2018-09-25 09:16:29
Local clock offset: 2.08 ms
Remote clock offset: -3.401 ms

# Below is generated by plot.py at 2018-09-25 10:08:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 11.444 ms
Loss rate: 14.37%
-- Flow 1:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 9.904 ms
Loss rate: 13.01%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 12.577 ms
Loss rate: 14.07%
-- Flow 3:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 12.629 ms
Loss rate: 20.05%
```

Run 3: Report of Indigo — Data Link

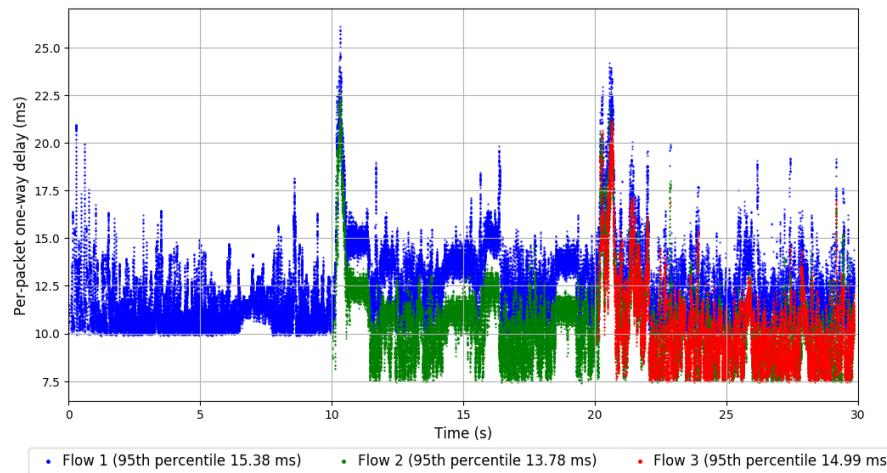
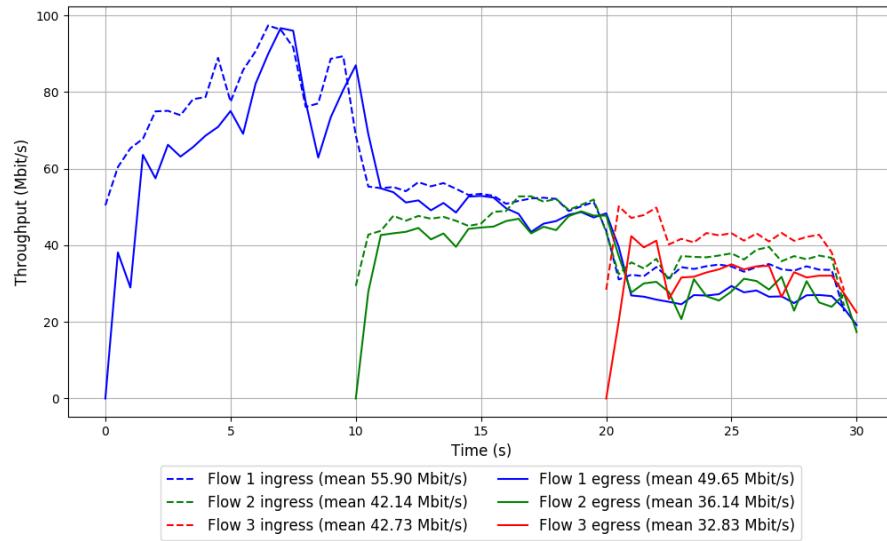


Run 4: Statistics of Indigo

```
Start at: 2018-09-25 09:38:19
End at: 2018-09-25 09:38:49
Local clock offset: -0.357 ms
Remote clock offset: -1.977 ms

# Below is generated by plot.py at 2018-09-25 10:08:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 15.190 ms
Loss rate: 13.76%
-- Flow 1:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 15.385 ms
Loss rate: 11.17%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 13.782 ms
Loss rate: 14.22%
-- Flow 3:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 14.991 ms
Loss rate: 23.19%
```

Run 4: Report of Indigo — Data Link

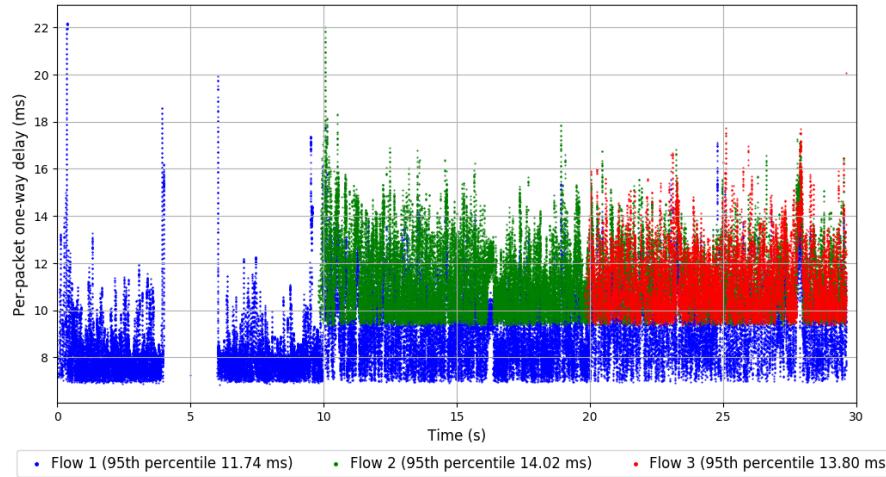
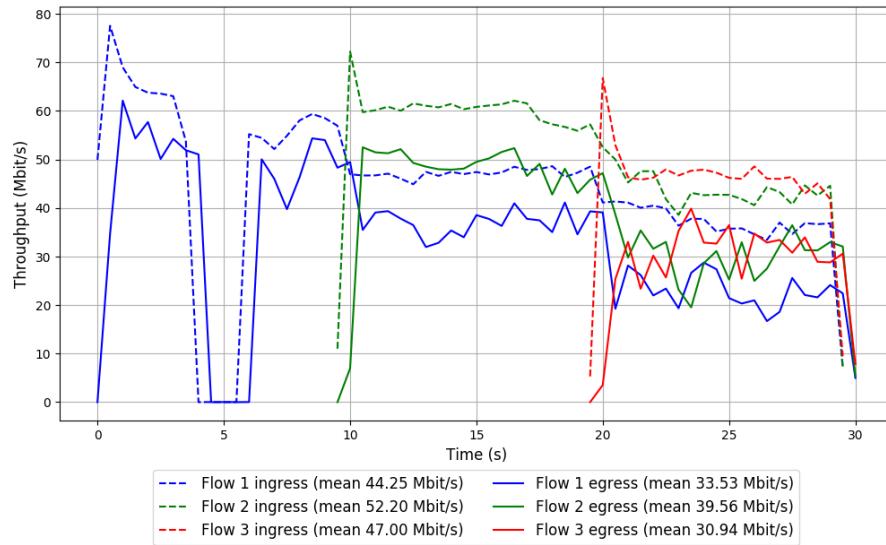


Run 5: Statistics of Indigo

```
Start at: 2018-09-25 10:00:44
End at: 2018-09-25 10:01:14
Local clock offset: 1.269 ms
Remote clock offset: -1.71 ms

# Below is generated by plot.py at 2018-09-25 10:08:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.20 Mbit/s
95th percentile per-packet one-way delay: 13.342 ms
Loss rate: 25.84%
-- Flow 1:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 11.740 ms
Loss rate: 24.21%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 14.019 ms
Loss rate: 24.21%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 13.800 ms
Loss rate: 34.13%
```

Run 5: Report of Indigo — Data Link

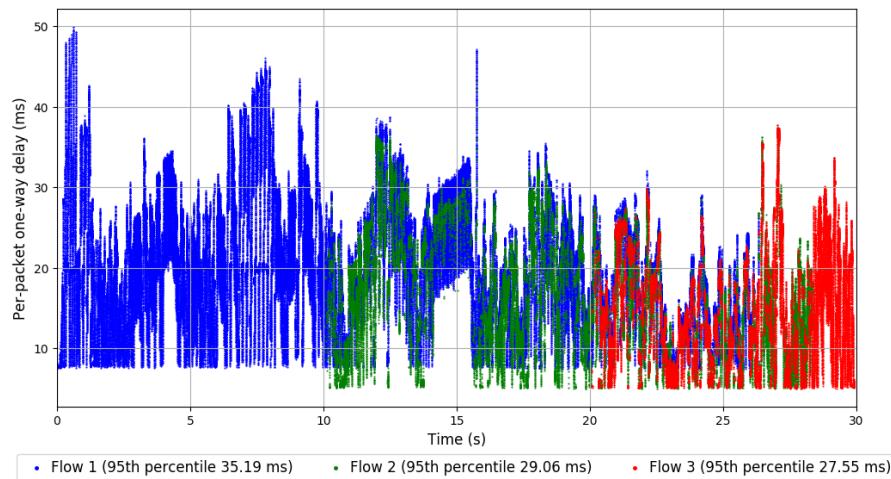
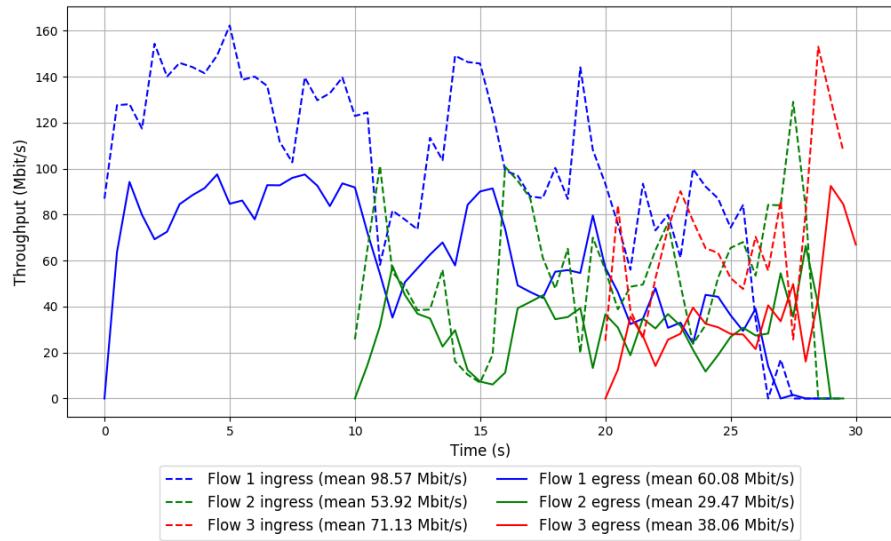


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-09-25 08:27:40
End at: 2018-09-25 08:28:10
Local clock offset: 2.428 ms
Remote clock offset: -2.839 ms

# Below is generated by plot.py at 2018-09-25 10:08:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 33.176 ms
Loss rate: 42.88%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 35.187 ms
Loss rate: 41.12%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 29.064 ms
Loss rate: 45.32%
-- Flow 3:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 27.551 ms
Loss rate: 46.55%
```

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

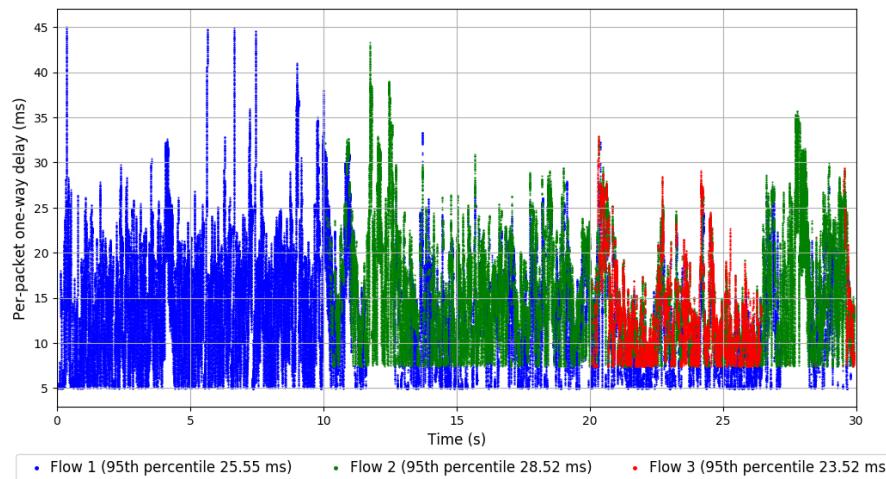
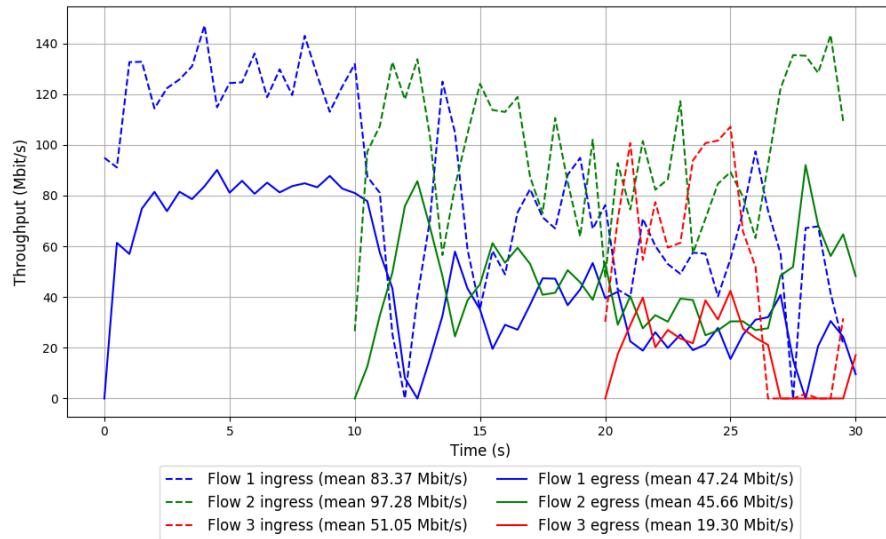


```
Run 2: Statistics of Indigo-96d2da3
```

```
Start at: 2018-09-25 08:50:02
End at: 2018-09-25 08:50:32
Local clock offset: 1.44 ms
Remote clock offset: -2.466 ms

# Below is generated by plot.py at 2018-09-25 10:09:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 26.589 ms
Loss rate: 49.12%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 25.547 ms
Loss rate: 43.38%
-- Flow 2:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 28.523 ms
Loss rate: 53.09%
-- Flow 3:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 23.525 ms
Loss rate: 62.25%
```

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

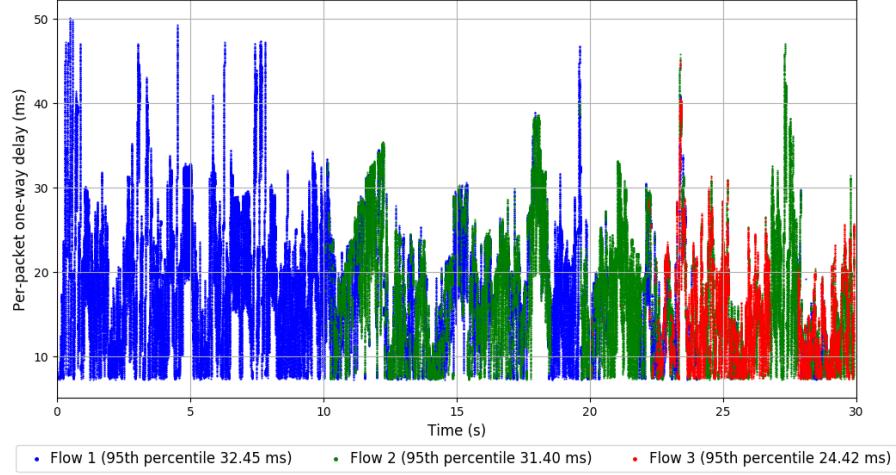
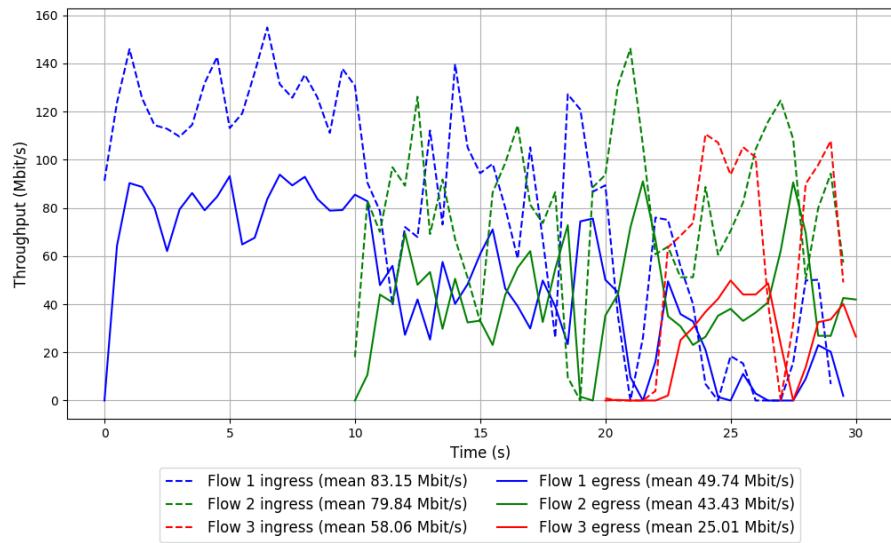


Run 3: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 09:12:21
End at: 2018-09-25 09:12:51
Local clock offset: -1.893 ms
Remote clock offset: -3.154 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 31.579 ms
Loss rate: 44.15%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 32.448 ms
Loss rate: 40.18%
-- Flow 2:
Average throughput: 43.43 Mbit/s
95th percentile per-packet one-way delay: 31.400 ms
Loss rate: 45.61%
-- Flow 3:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 24.418 ms
Loss rate: 56.89%
```

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

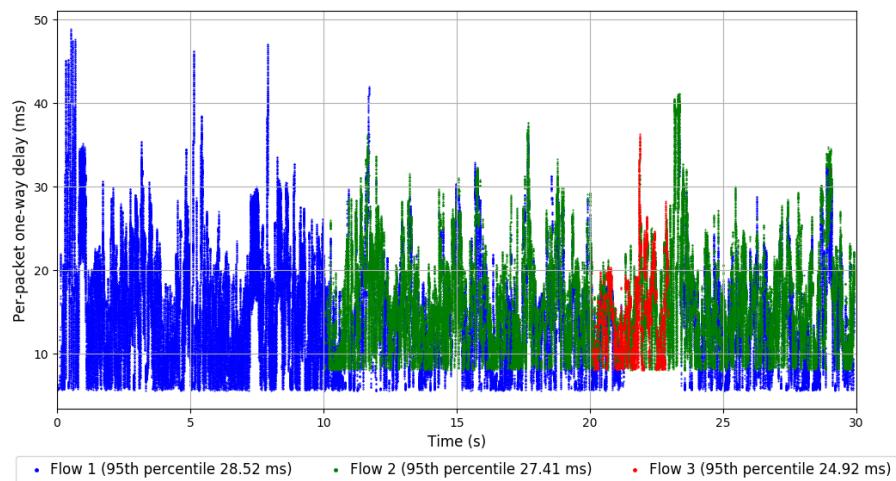
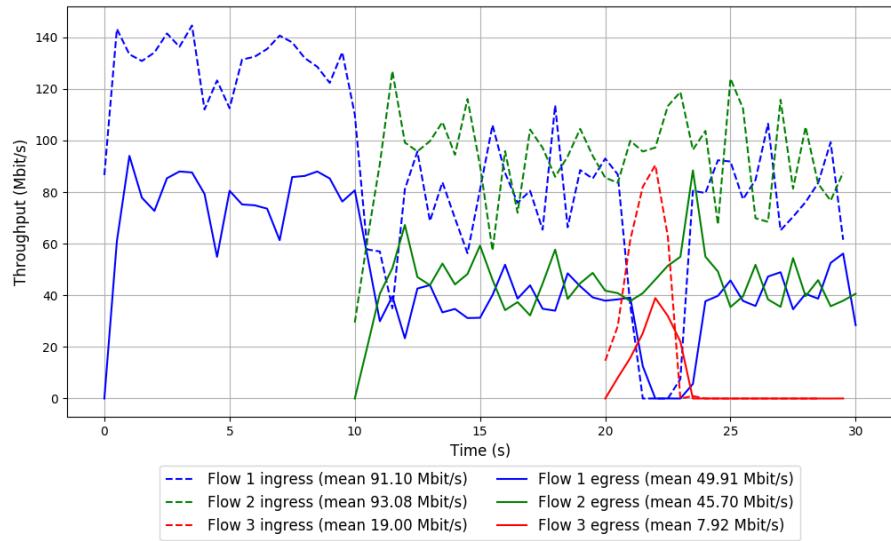


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 09:34:44
End at: 2018-09-25 09:35:14
Local clock offset: 1.073 ms
Remote clock offset: -2.424 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.68 Mbit/s
95th percentile per-packet one-way delay: 28.131 ms
Loss rate: 47.89%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 28.520 ms
Loss rate: 45.21%
-- Flow 2:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 27.414 ms
Loss rate: 50.88%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 24.917 ms
Loss rate: 58.25%
```

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

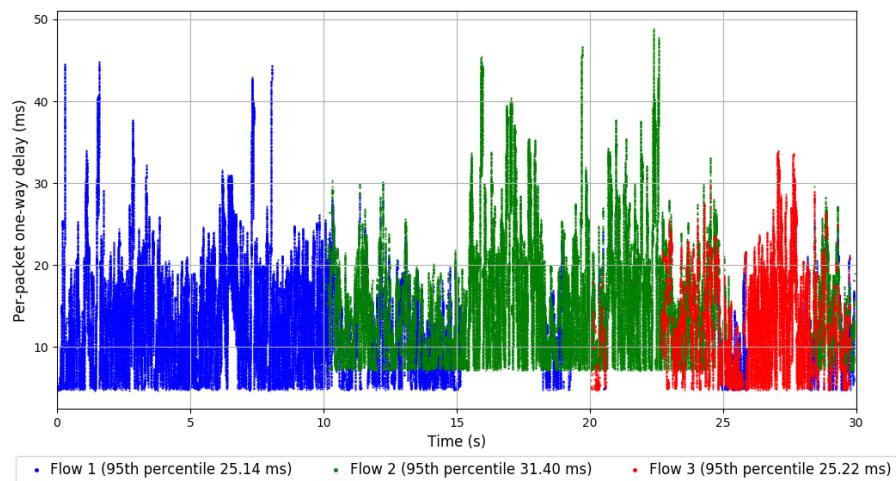
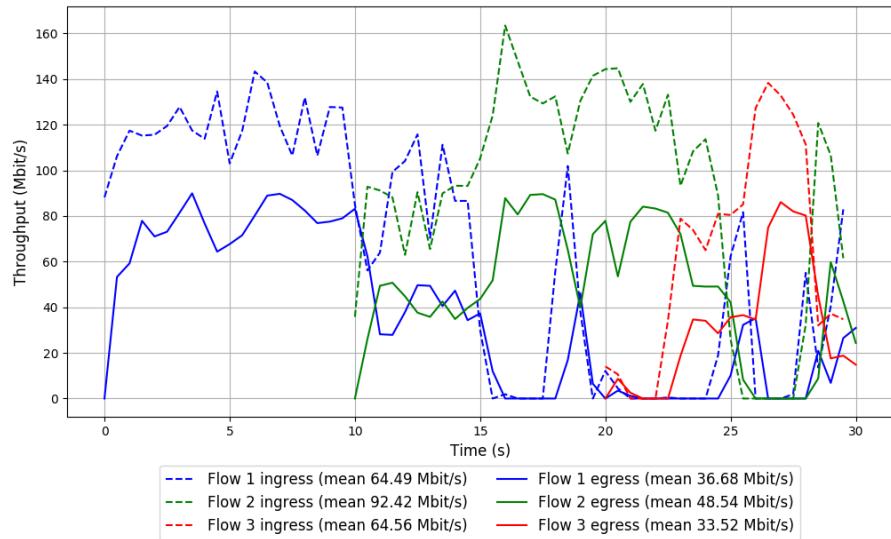


Run 5: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 09:57:08
End at: 2018-09-25 09:57:38
Local clock offset: 2.619 ms
Remote clock offset: -2.581 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 28.040 ms
Loss rate: 45.66%
-- Flow 1:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 25.137 ms
Loss rate: 43.11%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 31.399 ms
Loss rate: 47.45%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 25.221 ms
Loss rate: 48.21%
```

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

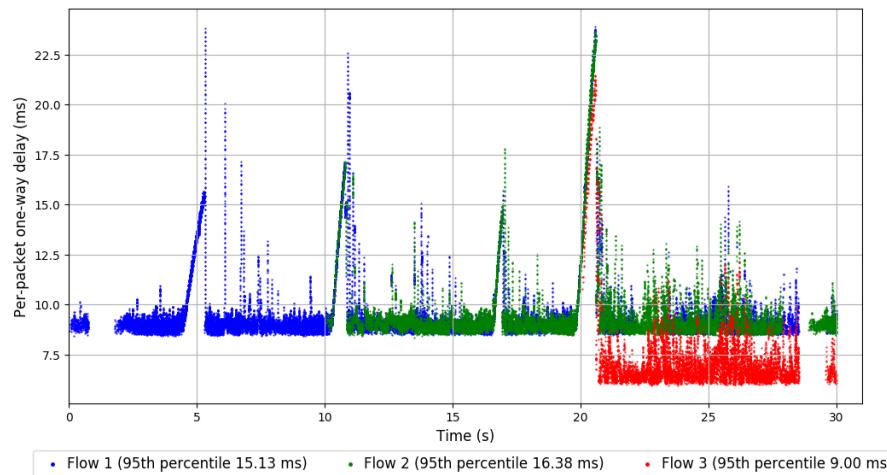
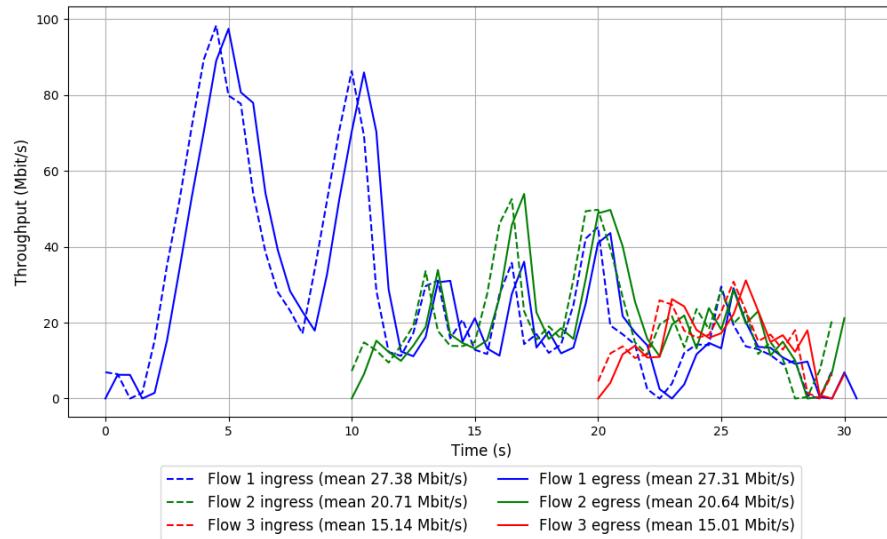


Run 1: Statistics of LEDBAT

```
Start at: 2018-09-25 08:25:22
End at: 2018-09-25 08:25:52
Local clock offset: 1.85 ms
Remote clock offset: -2.542 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 15.153 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 15.126 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 16.380 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 9.001 ms
Loss rate: 0.88%
```

Run 1: Report of LEDBAT — Data Link

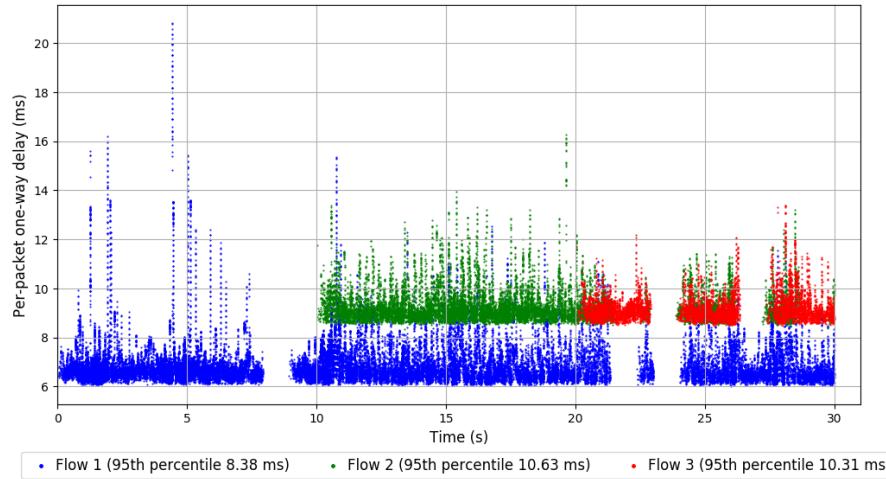
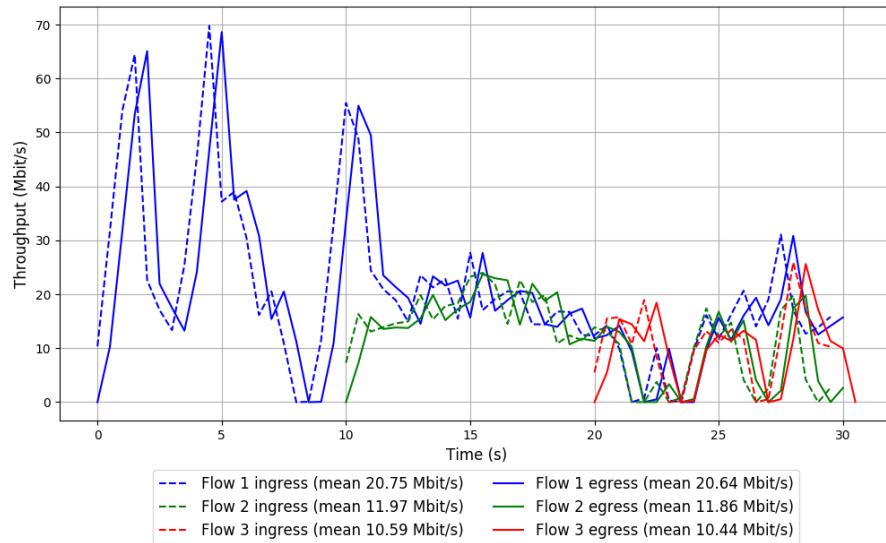


Run 2: Statistics of LEDBAT

```
Start at: 2018-09-25 08:47:46
End at: 2018-09-25 08:48:16
Local clock offset: 1.066 ms
Remote clock offset: -1.852 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 9.967 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 8.378 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 10.628 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 10.312 ms
Loss rate: 1.43%
```

Run 2: Report of LEDBAT — Data Link

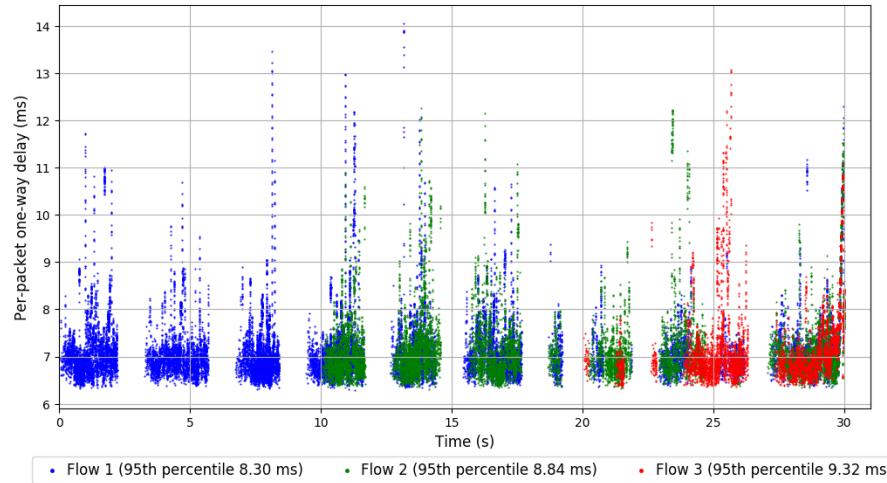
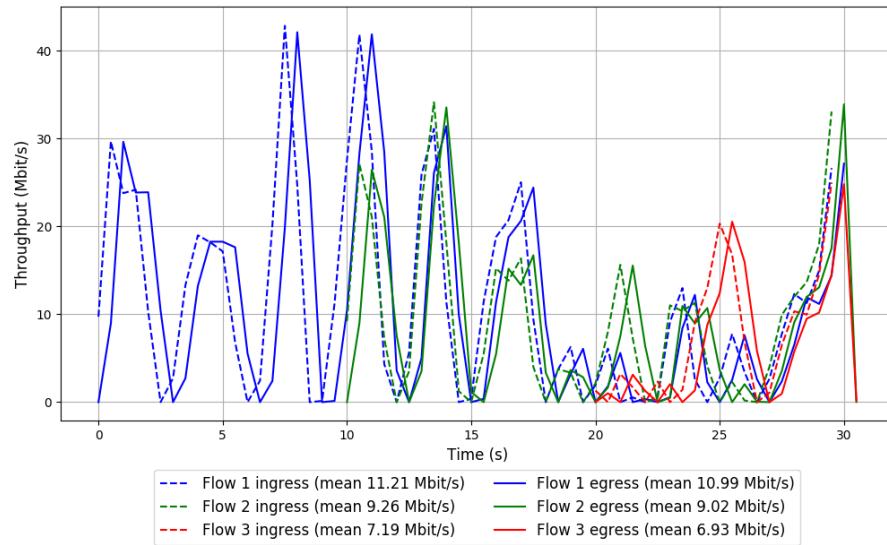


Run 3: Statistics of LEDBAT

```
Start at: 2018-09-25 09:10:06
End at: 2018-09-25 09:10:36
Local clock offset: -1.343 ms
Remote clock offset: -3.345 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 8.597 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 8.301 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 8.840 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 9.325 ms
Loss rate: 3.63%
```

Run 3: Report of LEDBAT — Data Link

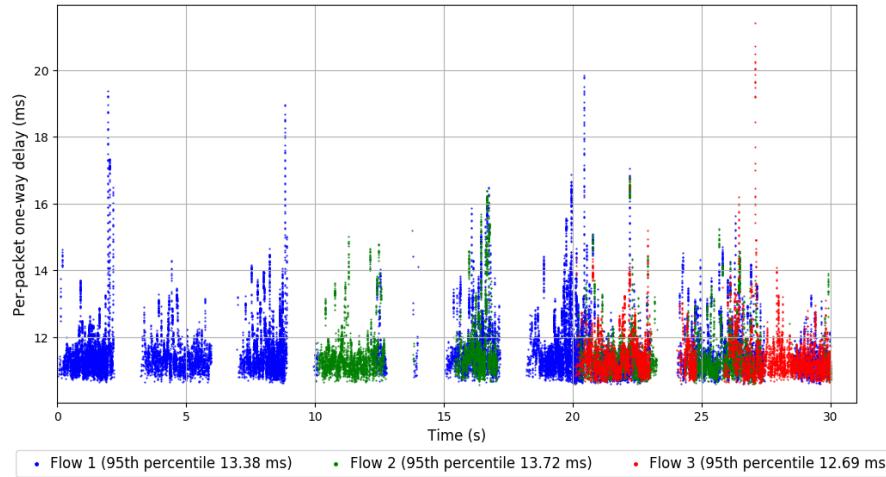
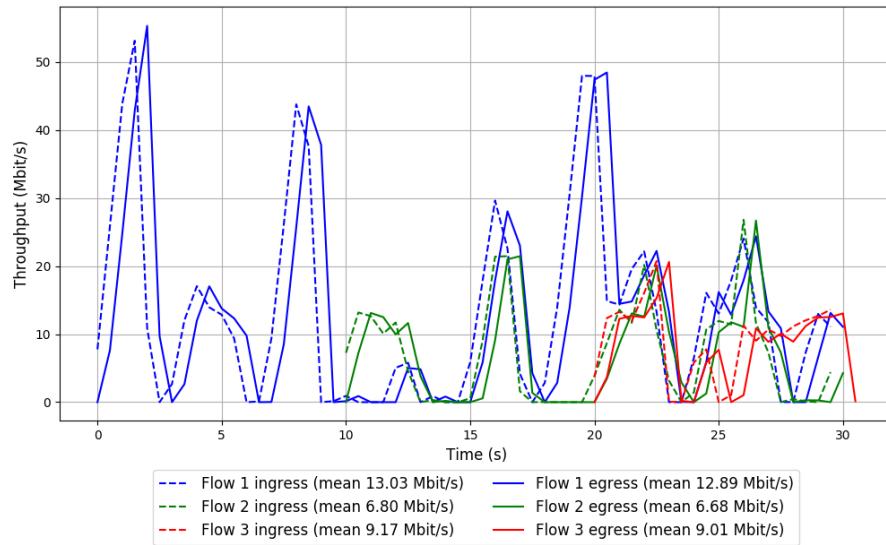


Run 4: Statistics of LEDBAT

```
Start at: 2018-09-25 09:32:29
End at: 2018-09-25 09:32:59
Local clock offset: -1.358 ms
Remote clock offset: -2.265 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 13.383 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 13.382 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 13.721 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 12.685 ms
Loss rate: 1.73%
```

Run 4: Report of LEDBAT — Data Link

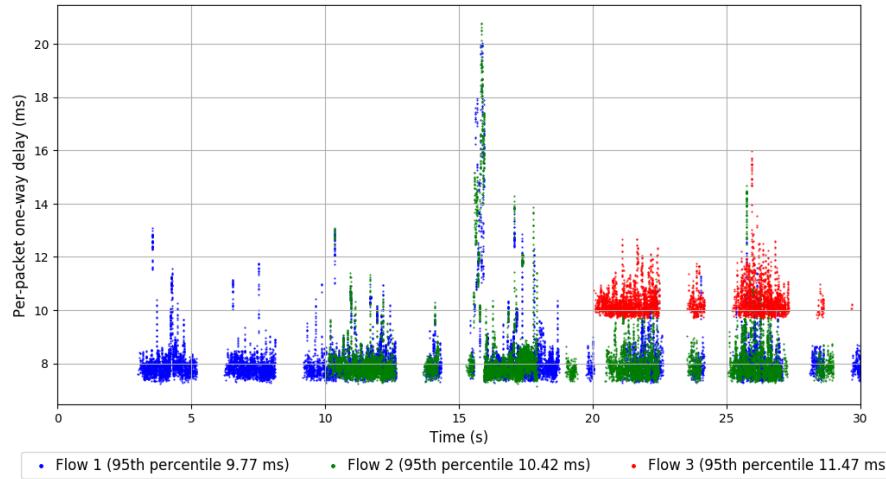
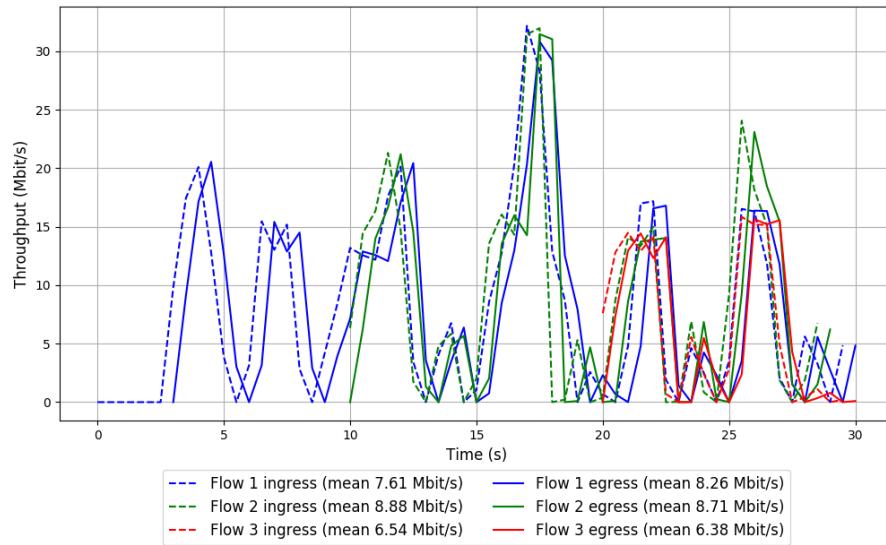


Run 5: Statistics of LEDBAT

```
Start at: 2018-09-25 09:54:54
End at: 2018-09-25 09:55:24
Local clock offset: 1.096 ms
Remote clock offset: -1.51 ms

# Below is generated by plot.py at 2018-09-25 10:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.66 Mbit/s
95th percentile per-packet one-way delay: 10.778 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 9.766 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 10.418 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 11.467 ms
Loss rate: 2.71%
```

Run 5: Report of LEDBAT — Data Link

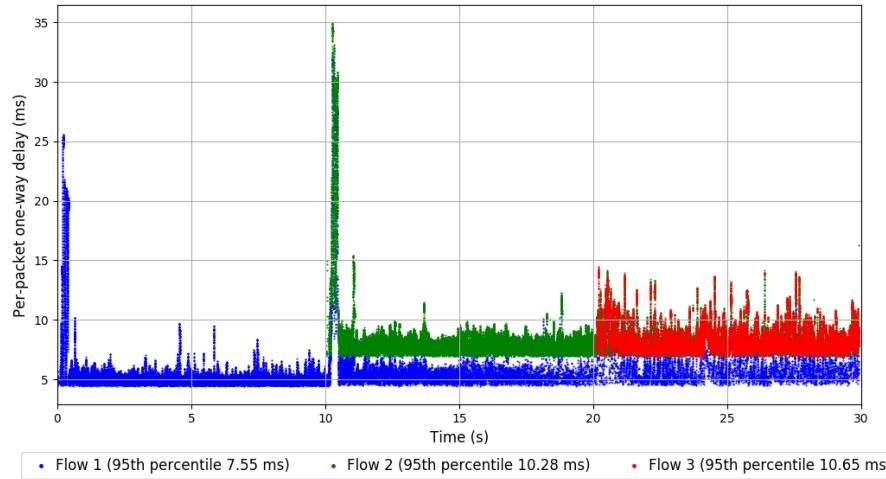
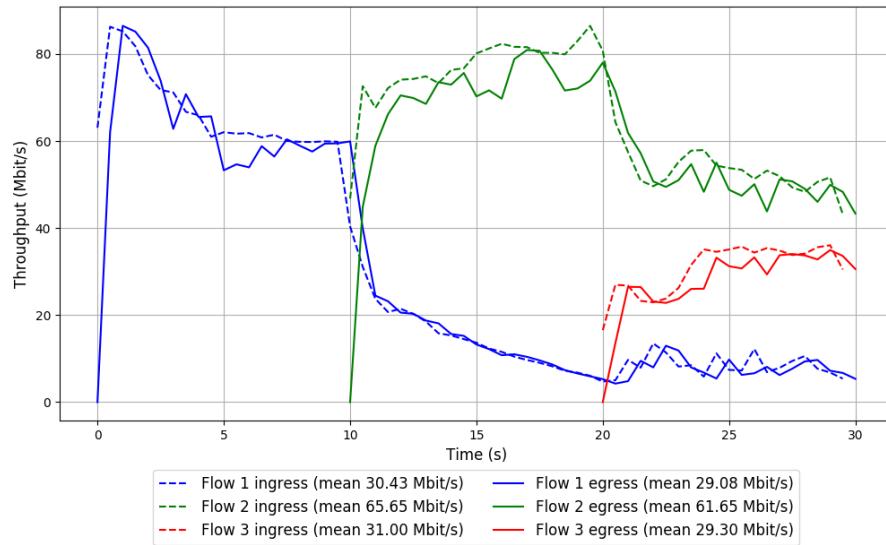


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-09-25 08:30:07
End at: 2018-09-25 08:30:37
Local clock offset: 3.119 ms
Remote clock offset: -2.647 ms

# Below is generated by plot.py at 2018-09-25 10:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.75 Mbit/s
95th percentile per-packet one-way delay: 10.096 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 7.550 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 10.280 ms
Loss rate: 6.07%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 10.650 ms
Loss rate: 5.51%
```

Run 1: Report of Indigo-Muses — Data Link

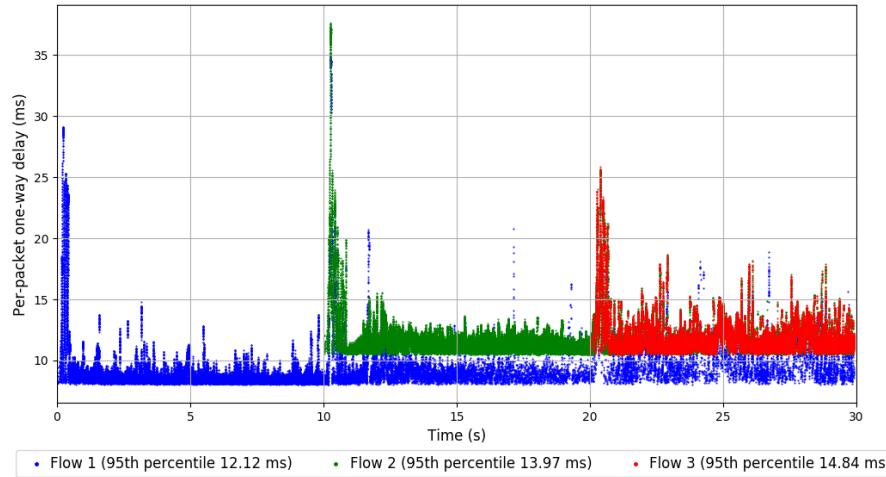
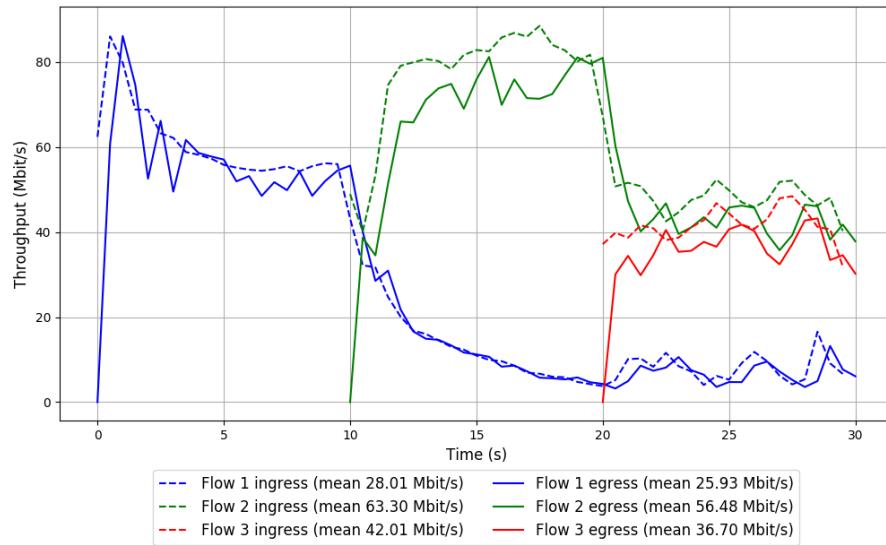


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-09-25 08:52:24
End at: 2018-09-25 08:52:54
Local clock offset: -1.797 ms
Remote clock offset: -2.462 ms

# Below is generated by plot.py at 2018-09-25 10:10:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 13.988 ms
Loss rate: 9.97%
-- Flow 1:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 12.124 ms
Loss rate: 7.42%
-- Flow 2:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 13.972 ms
Loss rate: 10.78%
-- Flow 3:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 14.844 ms
Loss rate: 12.65%
```

Run 2: Report of Indigo-Muses — Data Link

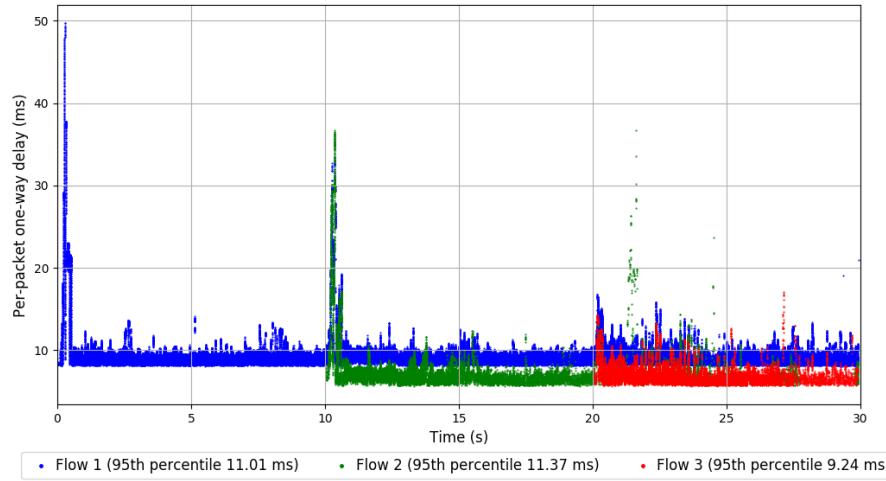
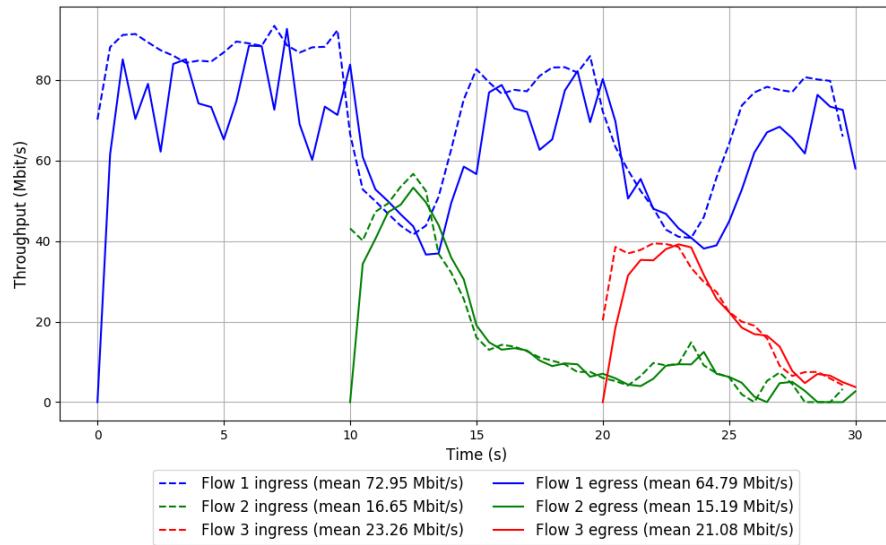


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:14:48
End at: 2018-09-25 09:15:18
Local clock offset: -0.489 ms
Remote clock offset: -3.612 ms

# Below is generated by plot.py at 2018-09-25 10:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 10.72%
-- Flow 1:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 11.16%
-- Flow 2:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 11.374 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 9.237 ms
Loss rate: 9.37%
```

Run 3: Report of Indigo-Muses — Data Link

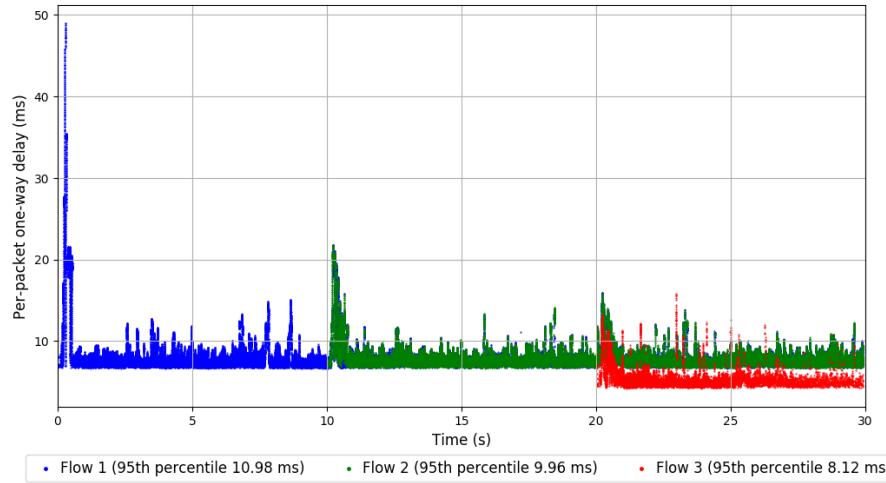
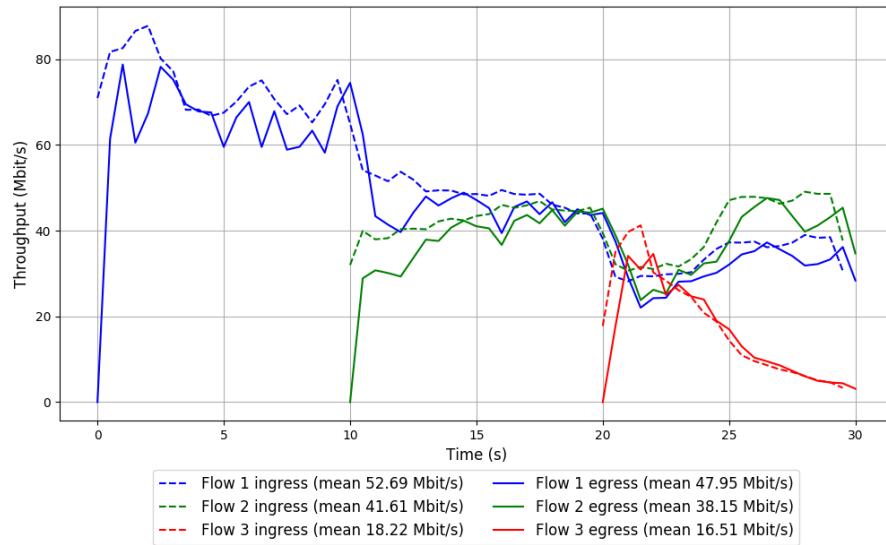


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:37:07
End at: 2018-09-25 09:37:37
Local clock offset: 2.692 ms
Remote clock offset: -2.124 ms

# Below is generated by plot.py at 2018-09-25 10:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 10.467 ms
Loss rate: 8.82%
-- Flow 1:
Average throughput: 47.95 Mbit/s
95th percentile per-packet one-way delay: 10.978 ms
Loss rate: 9.00%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 9.965 ms
Loss rate: 8.34%
-- Flow 3:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 8.120 ms
Loss rate: 9.37%
```

Run 4: Report of Indigo-Muses — Data Link

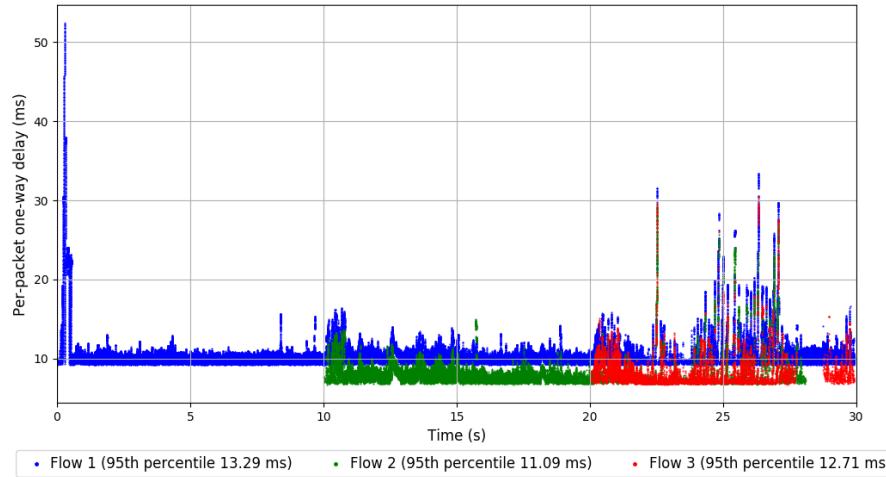
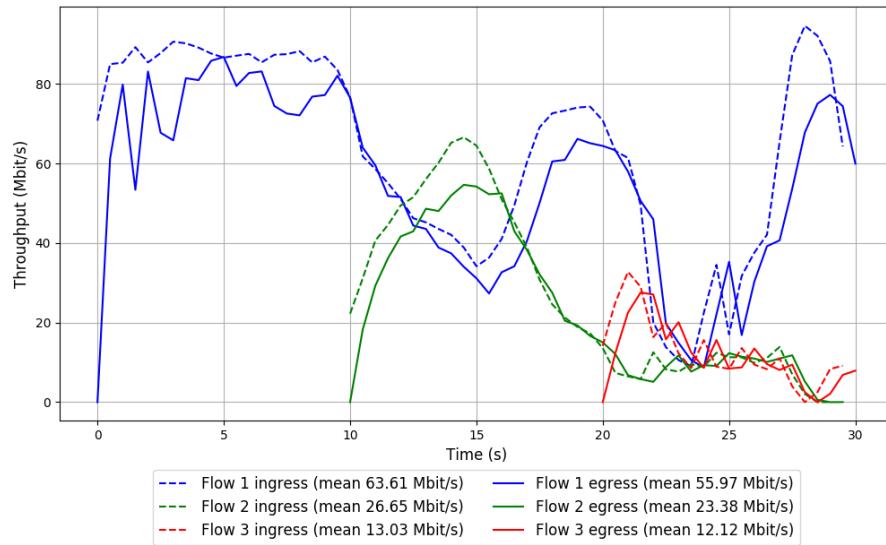


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:59:32
End at: 2018-09-25 10:00:02
Local clock offset: -4.235 ms
Remote clock offset: -7.358 ms

# Below is generated by plot.py at 2018-09-25 10:10:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.90 Mbit/s
95th percentile per-packet one-way delay: 12.892 ms
Loss rate: 11.83%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 13.293 ms
Loss rate: 12.04%
-- Flow 2:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 11.087 ms
Loss rate: 12.29%
-- Flow 3:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 12.714 ms
Loss rate: 7.01%
```

Run 5: Report of Indigo-Muses — Data Link

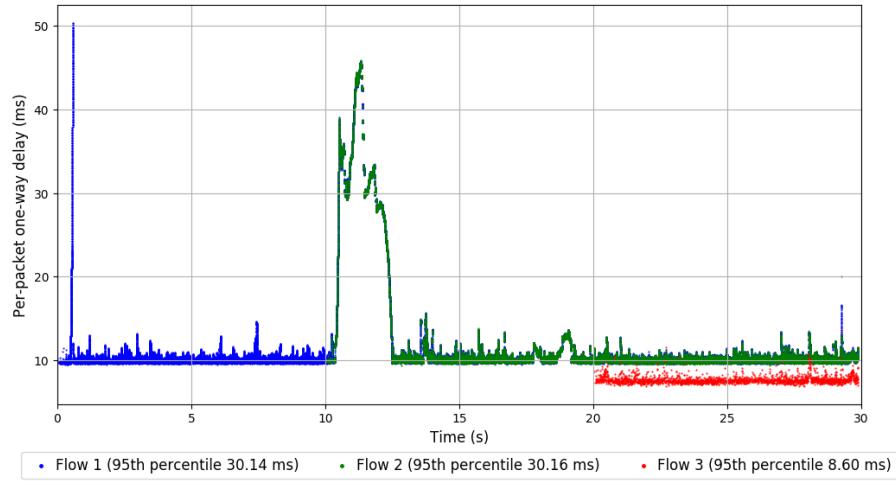
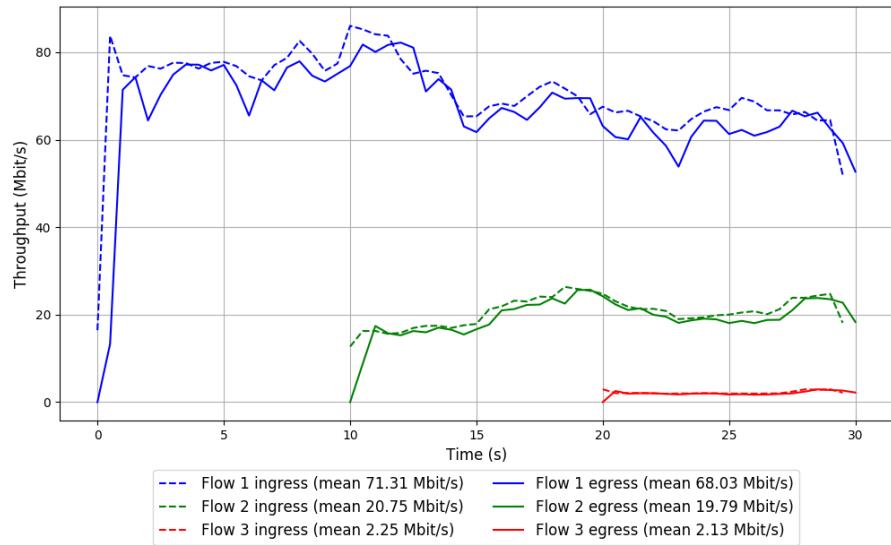


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-09-25 08:28:54
End at: 2018-09-25 08:29:24
Local clock offset: 0.933 ms
Remote clock offset: -2.235 ms

# Below is generated by plot.py at 2018-09-25 10:10:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 30.110 ms
Loss rate: 4.61%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 30.136 ms
Loss rate: 4.60%
-- Flow 2:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 30.157 ms
Loss rate: 4.63%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 8.604 ms
Loss rate: 5.33%
```

Run 1: Report of PCC-Allegro — Data Link

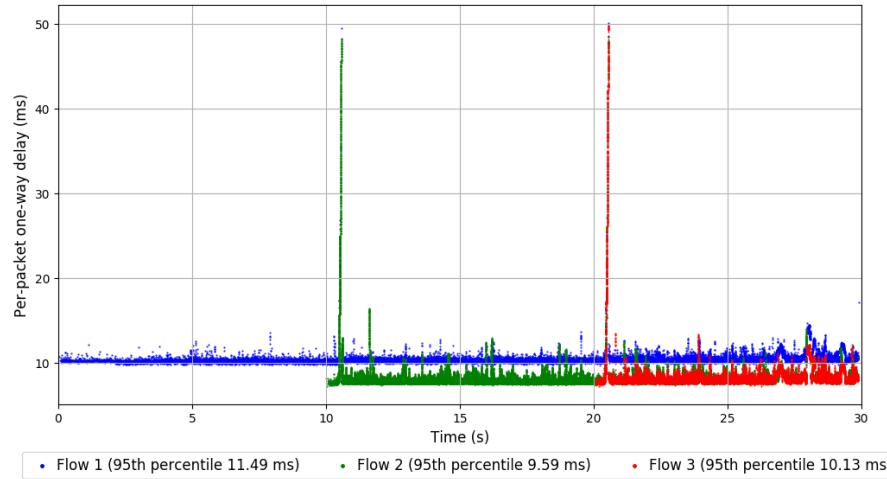
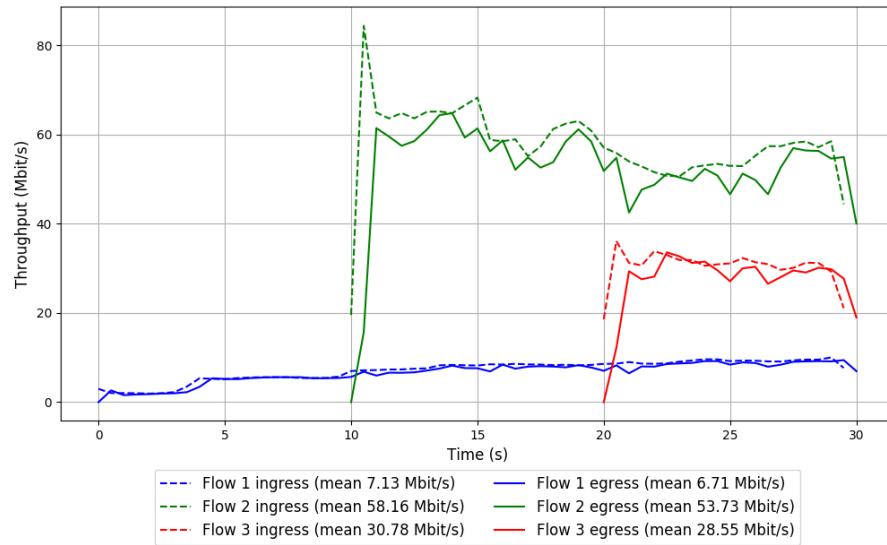


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-09-25 08:51:14
End at: 2018-09-25 08:51:44
Local clock offset: -0.498 ms
Remote clock offset: -1.752 ms

# Below is generated by plot.py at 2018-09-25 10:10:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 10.687 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 11.486 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 9.589 ms
Loss rate: 7.60%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 10.131 ms
Loss rate: 7.23%
```

Run 2: Report of PCC-Allegro — Data Link

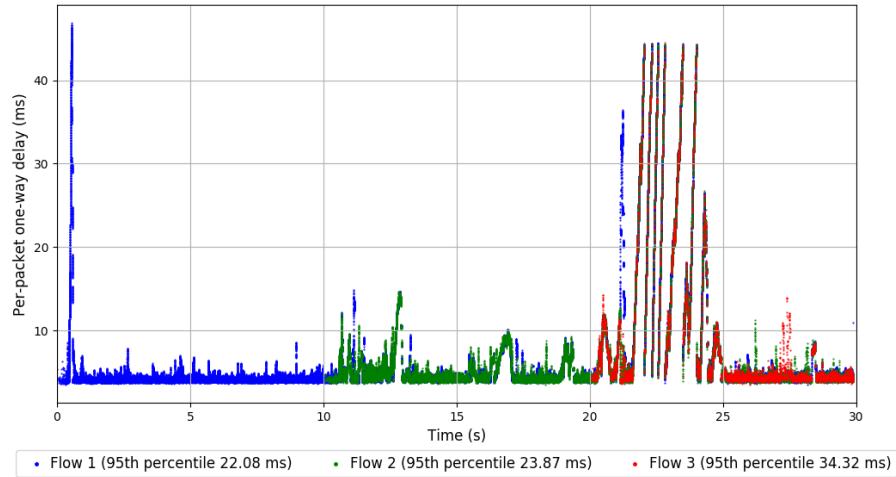
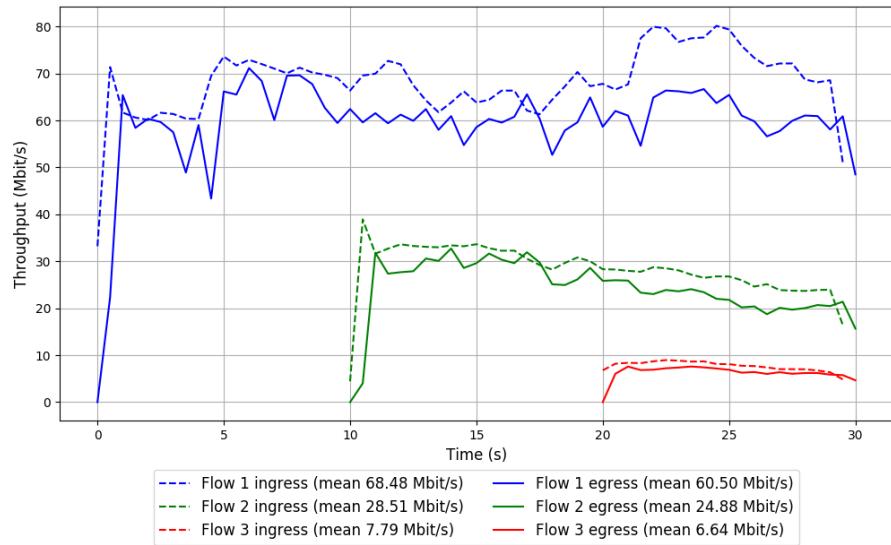


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:13:37
End at: 2018-09-25 09:14:07
Local clock offset: 1.647 ms
Remote clock offset: -3.401 ms

# Below is generated by plot.py at 2018-09-25 10:10:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 23.184 ms
Loss rate: 11.95%
-- Flow 1:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 22.077 ms
Loss rate: 11.63%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 23.872 ms
Loss rate: 12.74%
-- Flow 3:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 34.319 ms
Loss rate: 14.79%
```

Run 3: Report of PCC-Allegro — Data Link

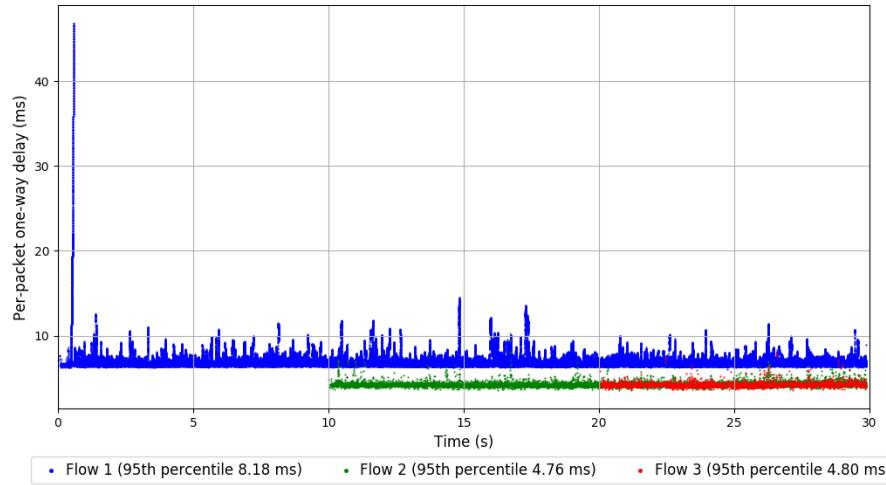
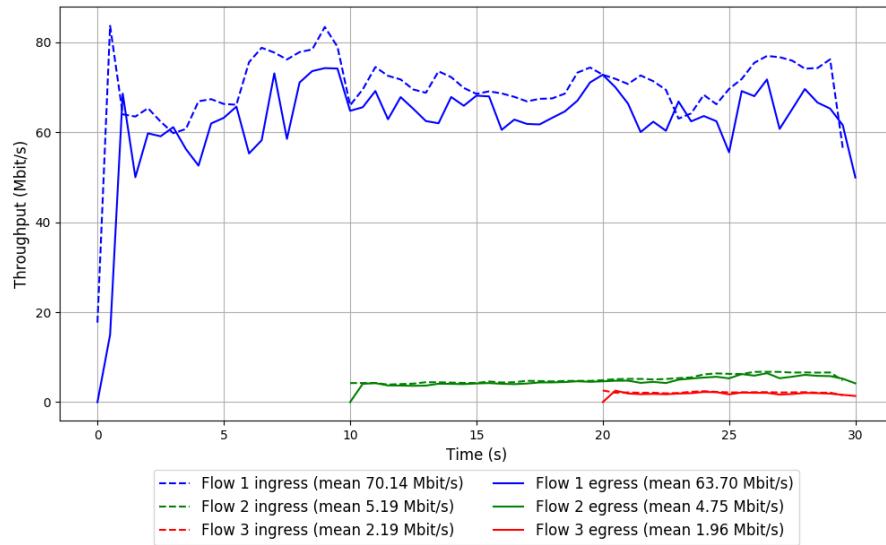


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:35:58
End at: 2018-09-25 09:36:28
Local clock offset: 2.976 ms
Remote clock offset: -2.254 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.51 Mbit/s
95th percentile per-packet one-way delay: 8.102 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 8.176 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 4.764 ms
Loss rate: 8.40%
-- Flow 3:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 4.797 ms
Loss rate: 10.37%
```

Run 4: Report of PCC-Allegro — Data Link

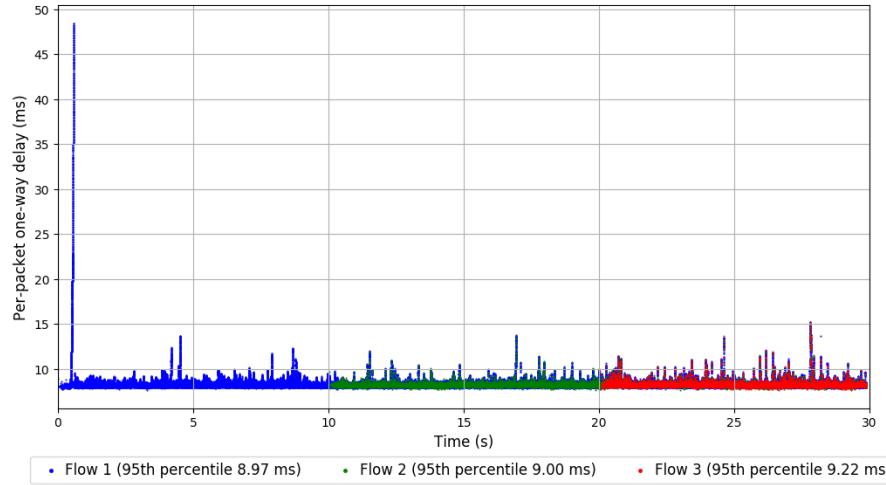
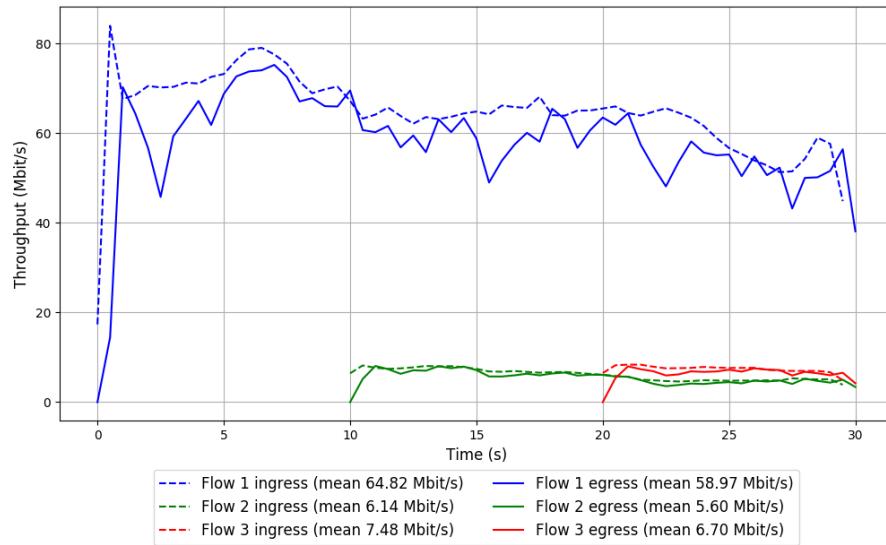


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:58:21
End at: 2018-09-25 09:58:51
Local clock offset: 2.735 ms
Remote clock offset: -1.756 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 8.986 ms
Loss rate: 9.07%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 8.974 ms
Loss rate: 9.04%
-- Flow 2:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 9.002 ms
Loss rate: 8.84%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 9.225 ms
Loss rate: 10.35%
```

Run 5: Report of PCC-Allegro — Data Link

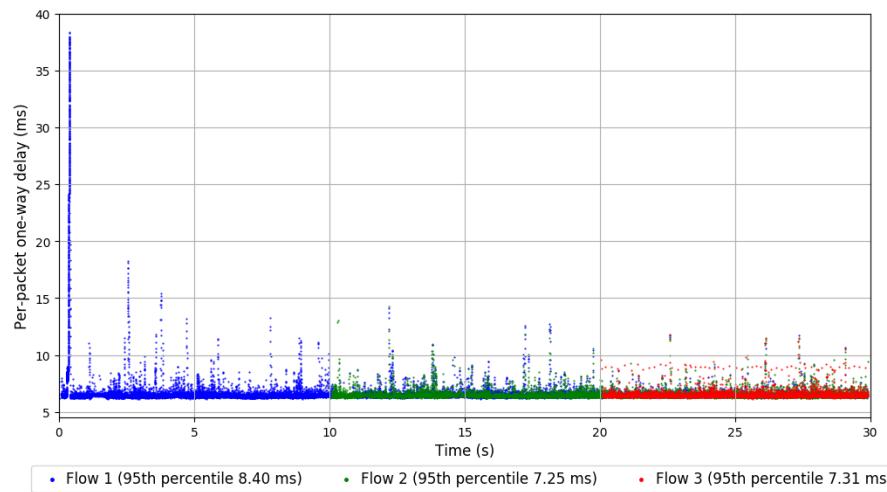
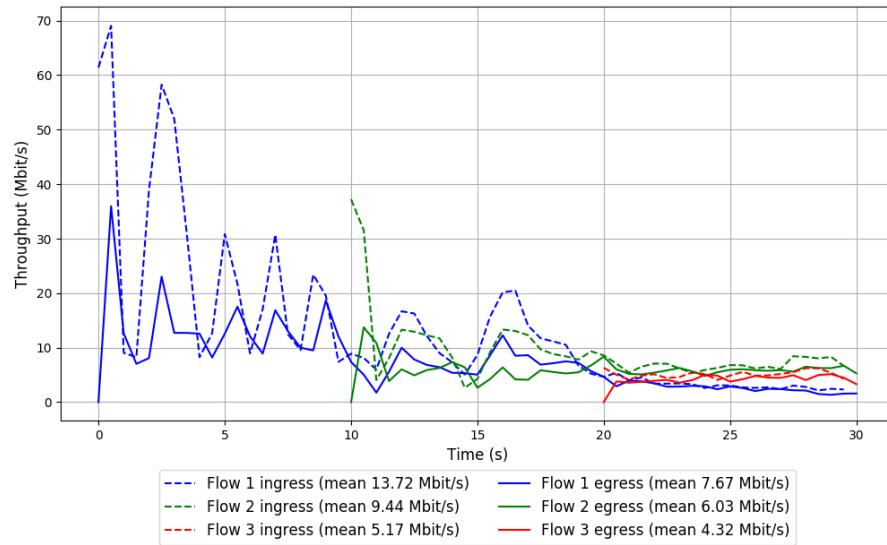


Run 1: Statistics of PCC-Expr

```
Start at: 2018-09-25 08:19:30
End at: 2018-09-25 08:20:00
Local clock offset: 1.046 ms
Remote clock offset: -3.247 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 7.954 ms
Loss rate: 39.64%
-- Flow 1:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 8.398 ms
Loss rate: 44.13%
-- Flow 2:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 7.252 ms
Loss rate: 36.12%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 7.310 ms
Loss rate: 16.51%
```

Run 1: Report of PCC-Expr — Data Link

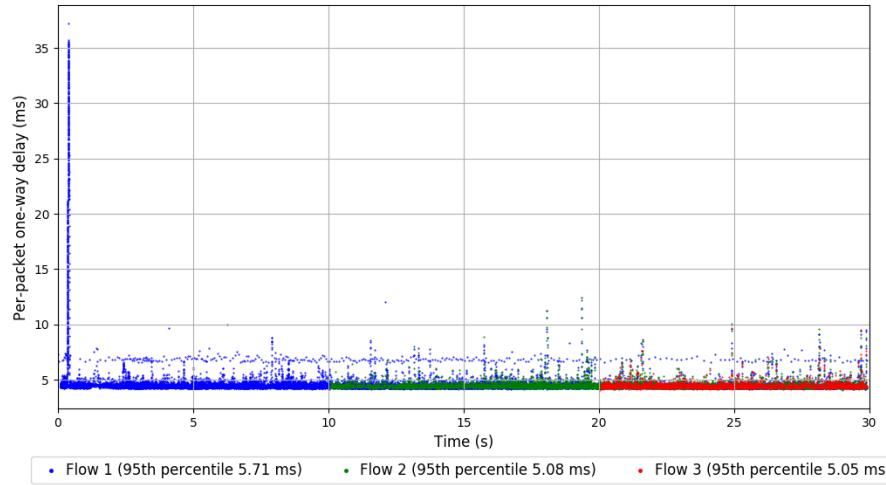
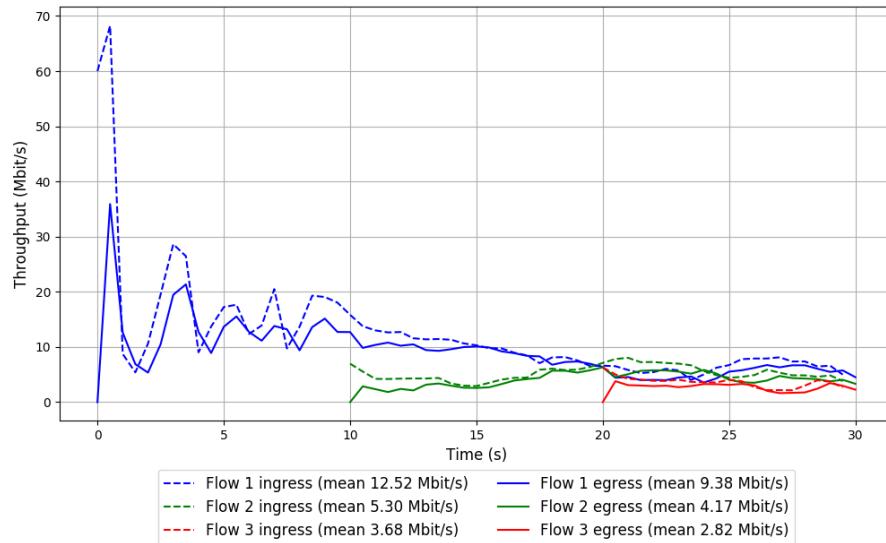


Run 2: Statistics of PCC-Expr

```
Start at: 2018-09-25 08:41:53
End at: 2018-09-25 08:42:23
Local clock offset: 3.048 ms
Remote clock offset: -2.43 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 5.379 ms
Loss rate: 24.23%
-- Flow 1:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 5.714 ms
Loss rate: 25.14%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 5.081 ms
Loss rate: 21.28%
-- Flow 3:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 5.046 ms
Loss rate: 23.37%
```

Run 2: Report of PCC-Expr — Data Link

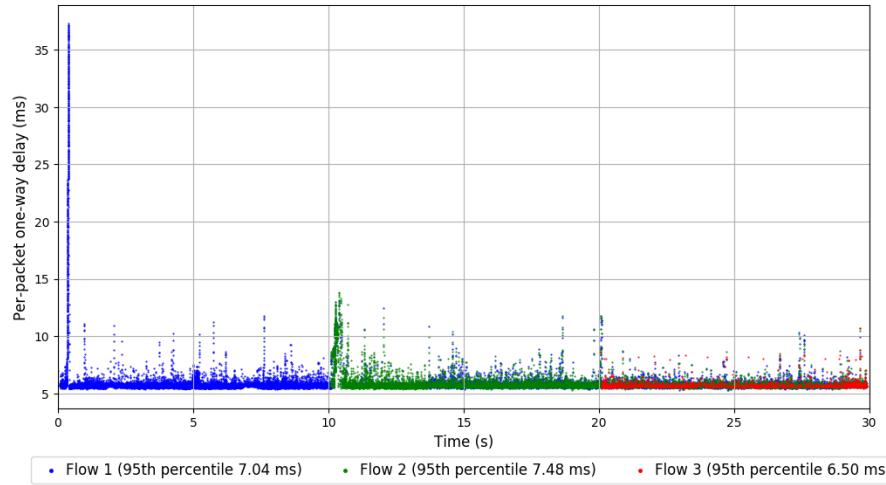
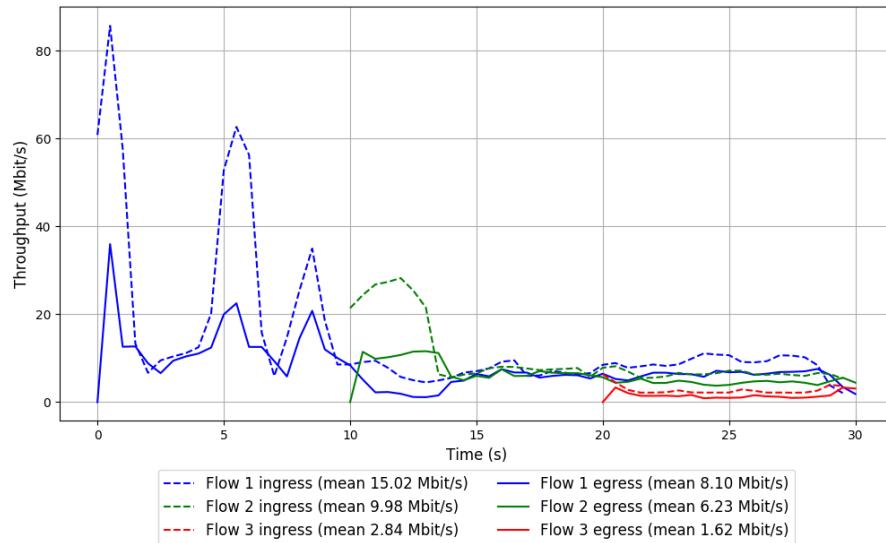


Run 3: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:04:13
End at: 2018-09-25 09:04:43
Local clock offset: 1.066 ms
Remote clock offset: -1.818 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 7.166 ms
Loss rate: 43.47%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 7.043 ms
Loss rate: 46.08%
-- Flow 2:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 7.484 ms
Loss rate: 37.61%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 6.502 ms
Loss rate: 43.08%
```

Run 3: Report of PCC-Expr — Data Link

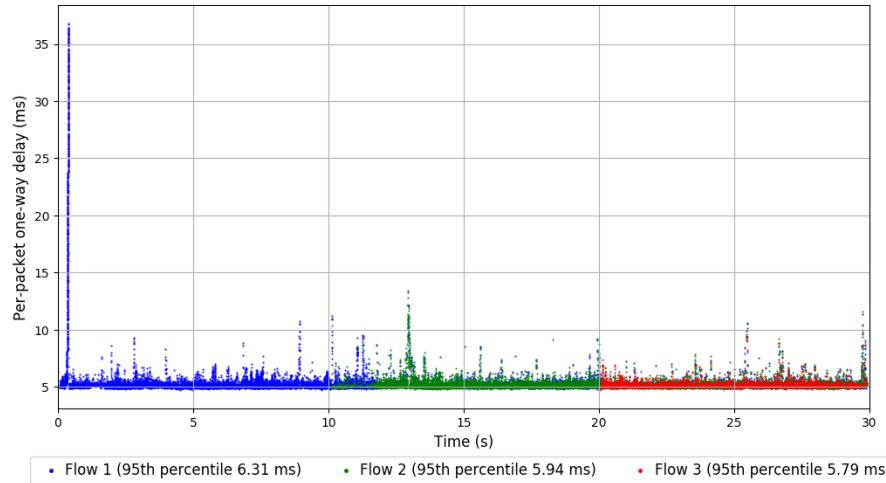
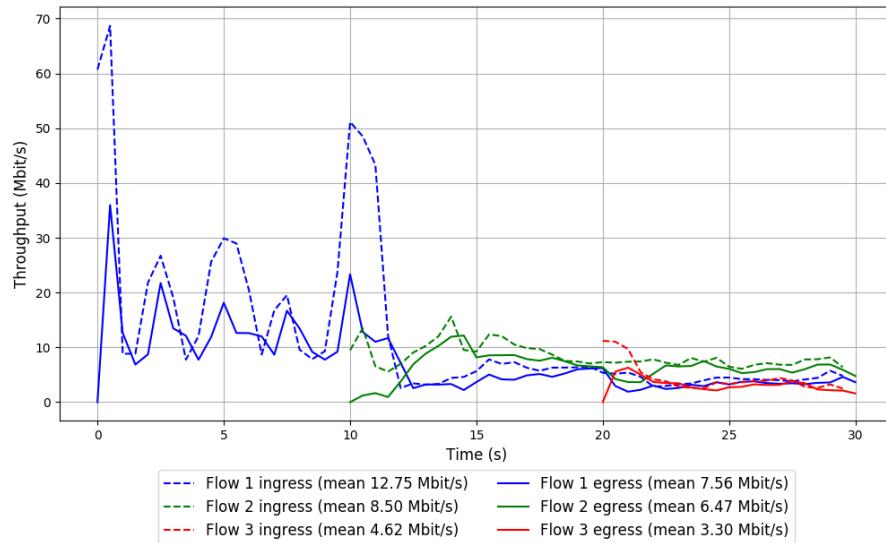


Run 4: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:26:20
End at: 2018-09-25 09:26:50
Local clock offset: 1.312 ms
Remote clock offset: -2.872 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 6.118 ms
Loss rate: 34.98%
-- Flow 1:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 6.312 ms
Loss rate: 40.72%
-- Flow 2:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 5.936 ms
Loss rate: 23.79%
-- Flow 3:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 5.794 ms
Loss rate: 28.51%
```

Run 4: Report of PCC-Expr — Data Link

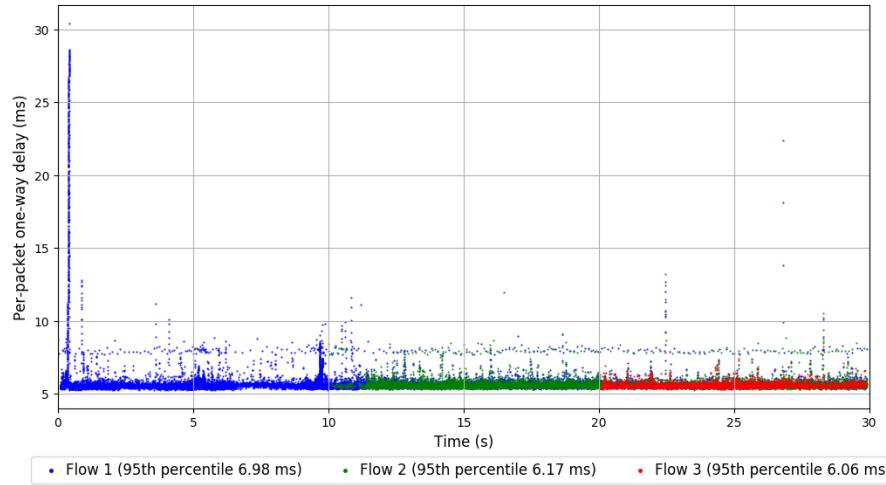
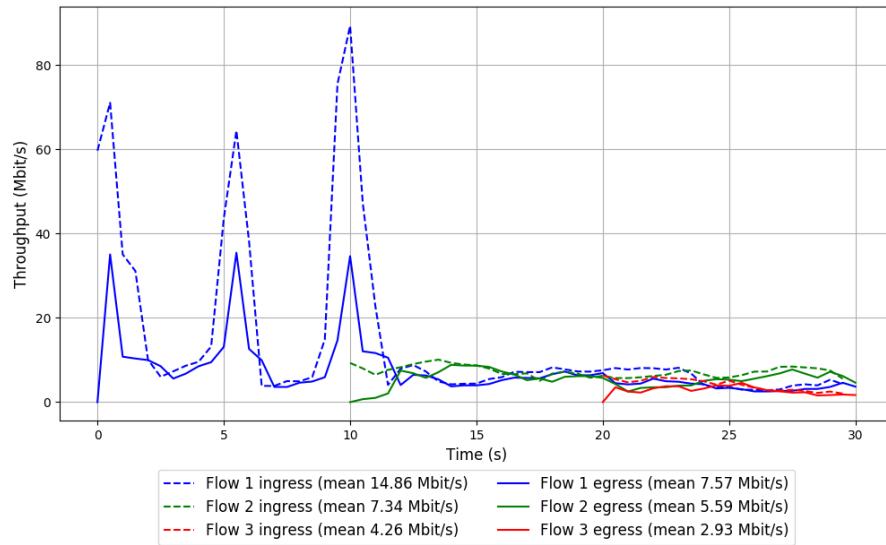


Run 5: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:49:05
End at: 2018-09-25 09:49:35
Local clock offset: 1.117 ms
Remote clock offset: -3.301 ms

# Below is generated by plot.py at 2018-09-25 10:11:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 6.500 ms
Loss rate: 42.06%
-- Flow 1:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 6.982 ms
Loss rate: 49.06%
-- Flow 2:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 6.171 ms
Loss rate: 23.86%
-- Flow 3:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 6.057 ms
Loss rate: 31.27%
```

Run 5: Report of PCC-Expr — Data Link

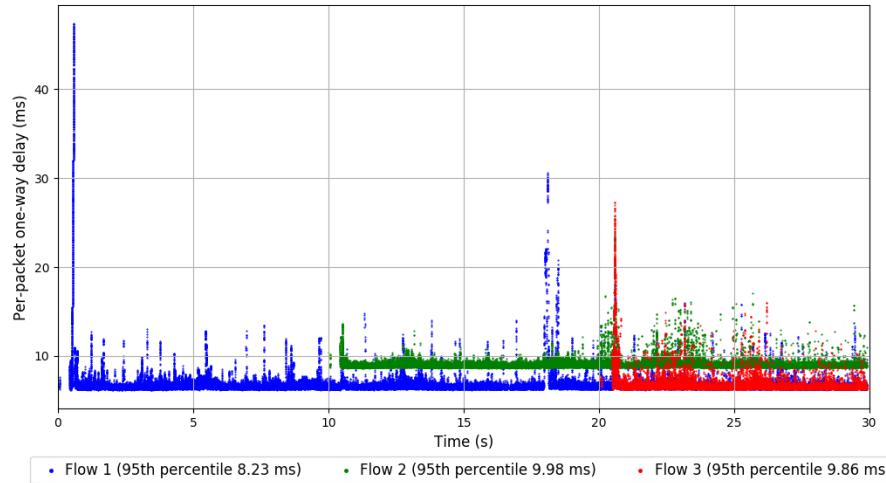
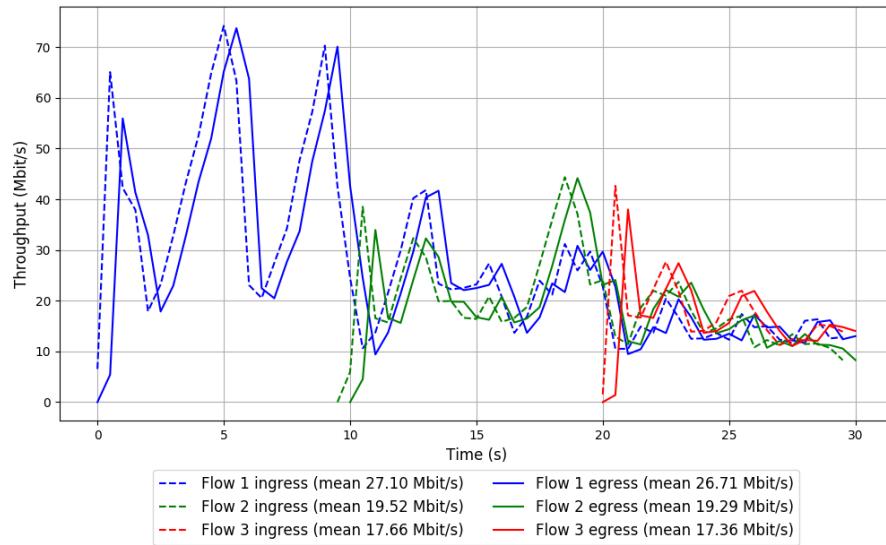


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-09-25 08:17:11
End at: 2018-09-25 08:17:41
Local clock offset: 0.644 ms
Remote clock offset: -3.651 ms

# Below is generated by plot.py at 2018-09-25 10:11:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 9.614 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 8.230 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 9.984 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 9.858 ms
Loss rate: 1.73%
```

Run 1: Report of QUIC Cubic — Data Link

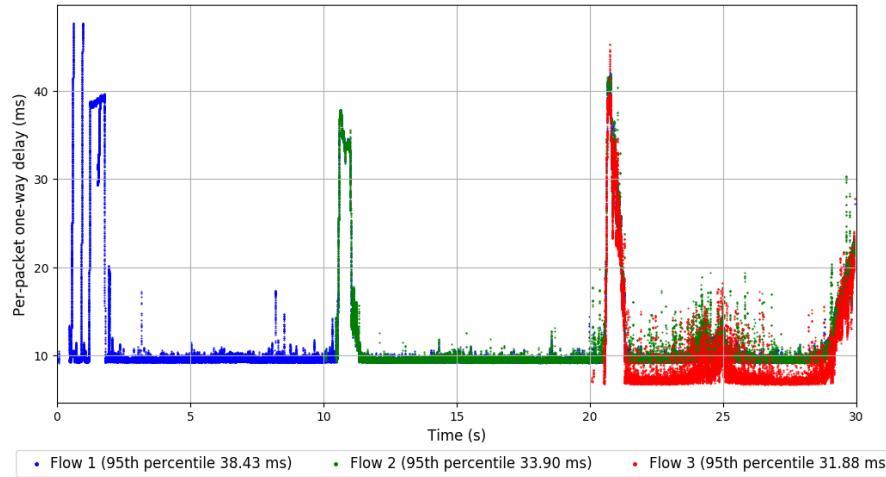
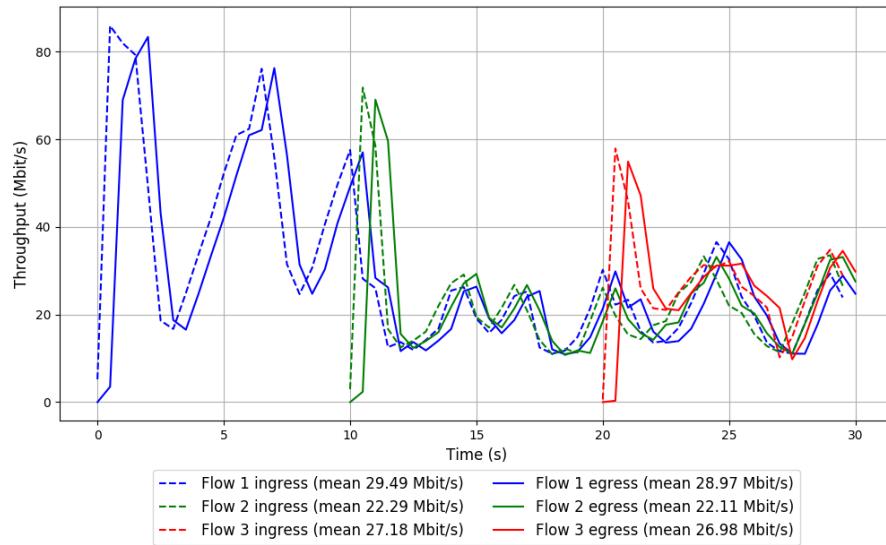


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-09-25 08:39:31
End at: 2018-09-25 08:40:01
Local clock offset: 1.179 ms
Remote clock offset: -2.011 ms

# Below is generated by plot.py at 2018-09-25 10:11:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 35.095 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 38.430 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 33.903 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 31.877 ms
Loss rate: 0.57%
```

Run 2: Report of QUIC Cubic — Data Link

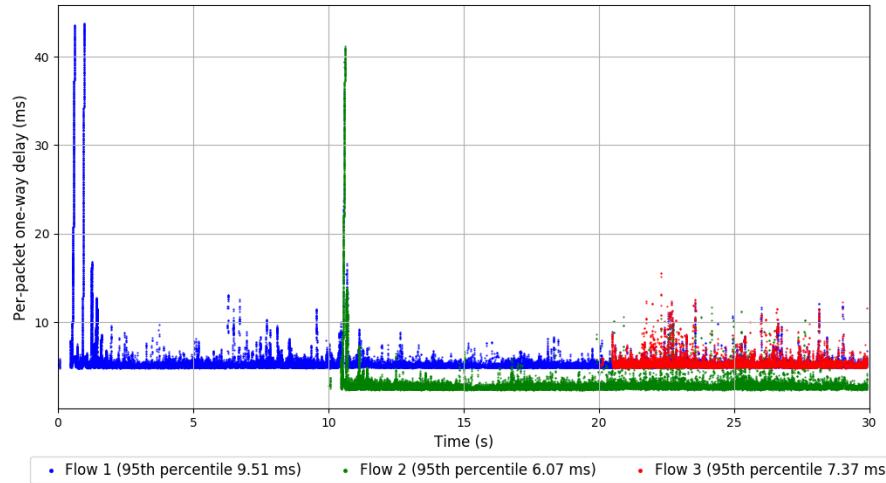
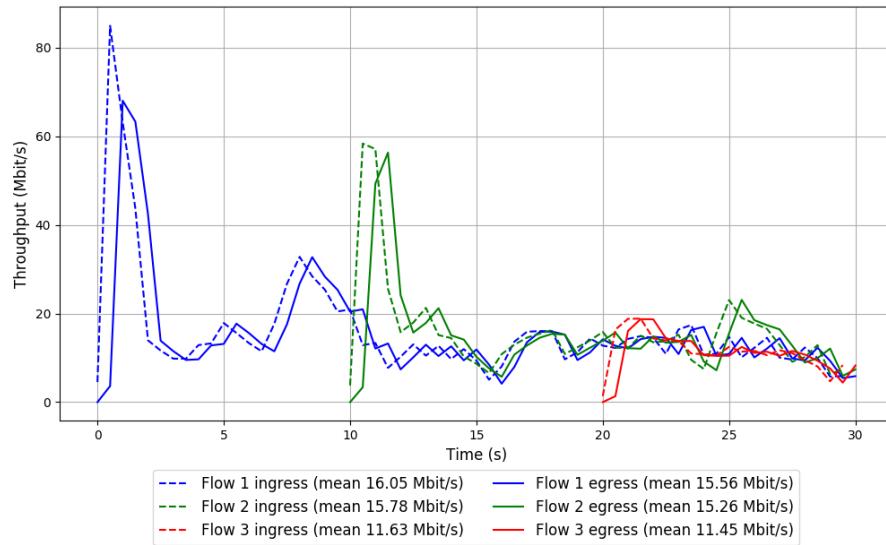


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:01:50
End at: 2018-09-25 09:02:20
Local clock offset: 2.696 ms
Remote clock offset: -3.279 ms

# Below is generated by plot.py at 2018-09-25 10:11:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 8.256 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 9.508 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 6.071 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 7.368 ms
Loss rate: 1.55%
```

Run 3: Report of QUIC Cubic — Data Link

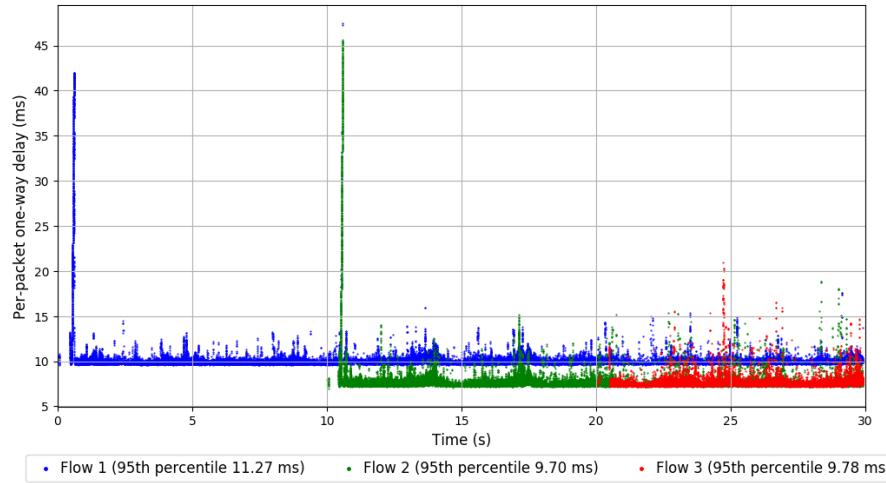
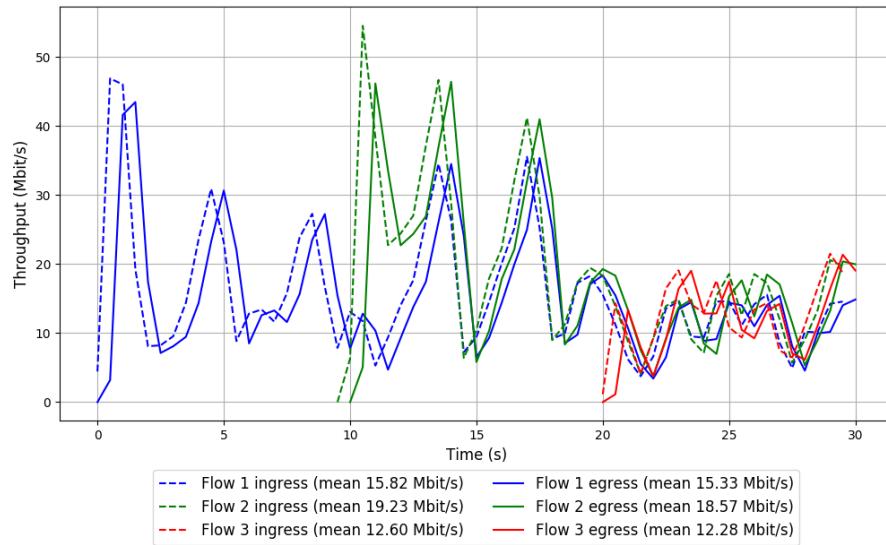


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:24:02
End at: 2018-09-25 09:24:32
Local clock offset: -1.357 ms
Remote clock offset: -3.119 ms

# Below is generated by plot.py at 2018-09-25 10:11:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 10.877 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 11.273 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 9.703 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 2.49%
```

Run 4: Report of QUIC Cubic — Data Link

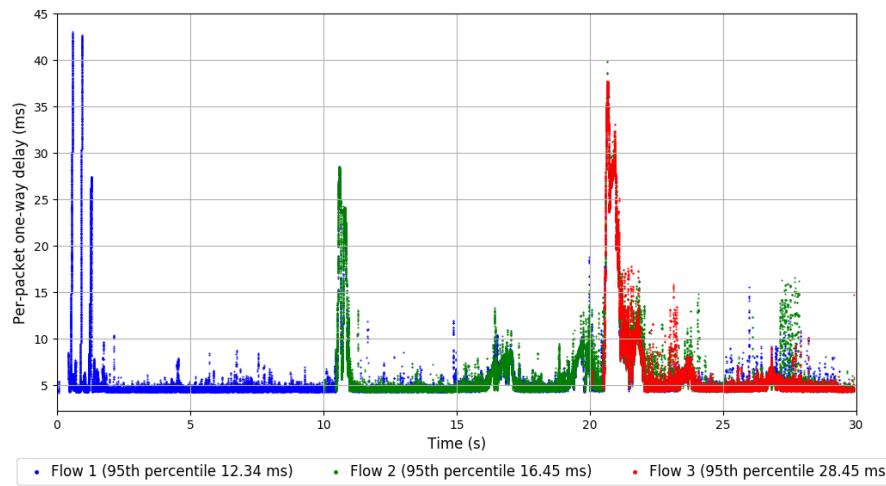
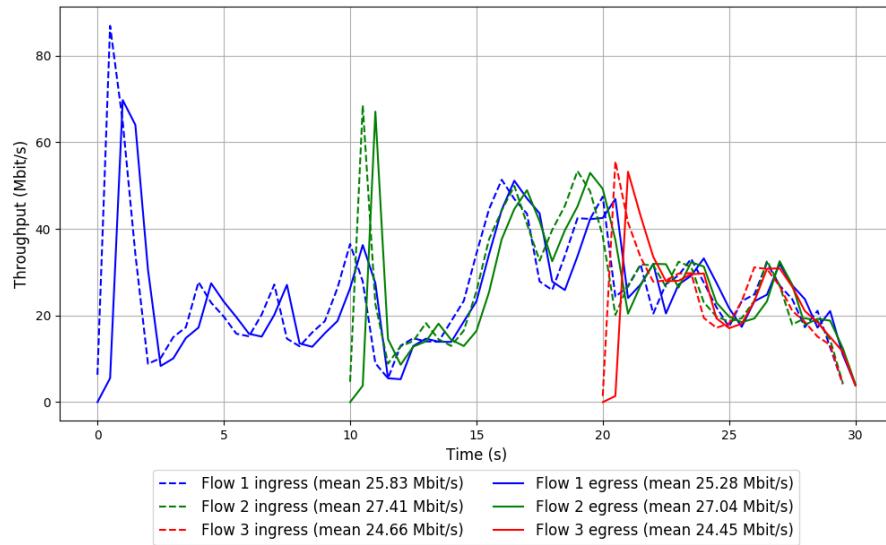


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:46:43
End at: 2018-09-25 09:47:13
Local clock offset: 2.135 ms
Remote clock offset: -3.212 ms

# Below is generated by plot.py at 2018-09-25 10:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 12.344 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 16.449 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 28.448 ms
Loss rate: 0.73%
```

Run 5: Report of QUIC Cubic — Data Link

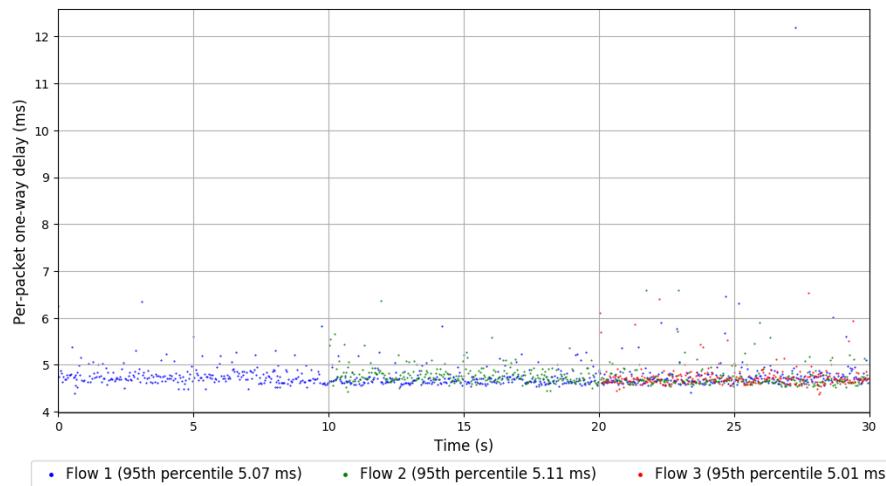
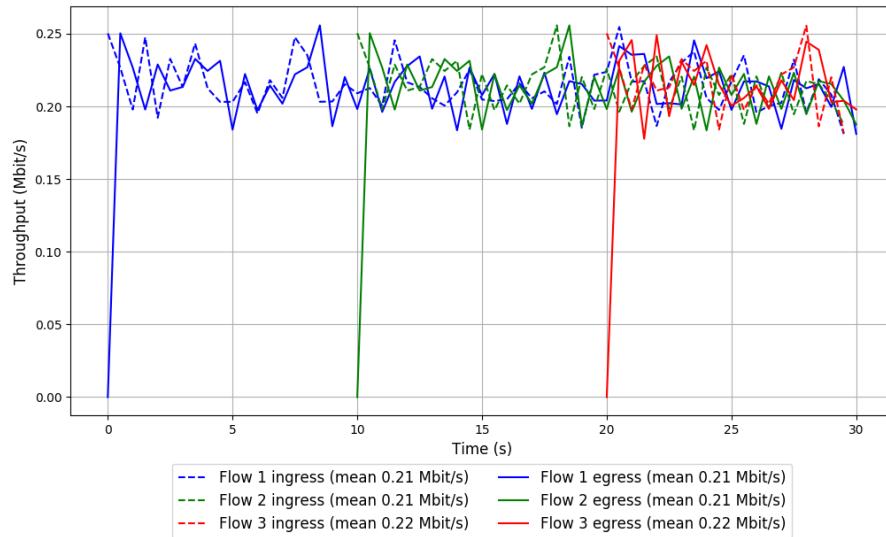


Run 1: Statistics of SCReAM

```
Start at: 2018-09-25 08:22:57
End at: 2018-09-25 08:23:27
Local clock offset: 2.391 ms
Remote clock offset: -3.585 ms

# Below is generated by plot.py at 2018-09-25 10:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 5.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.113 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.015 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

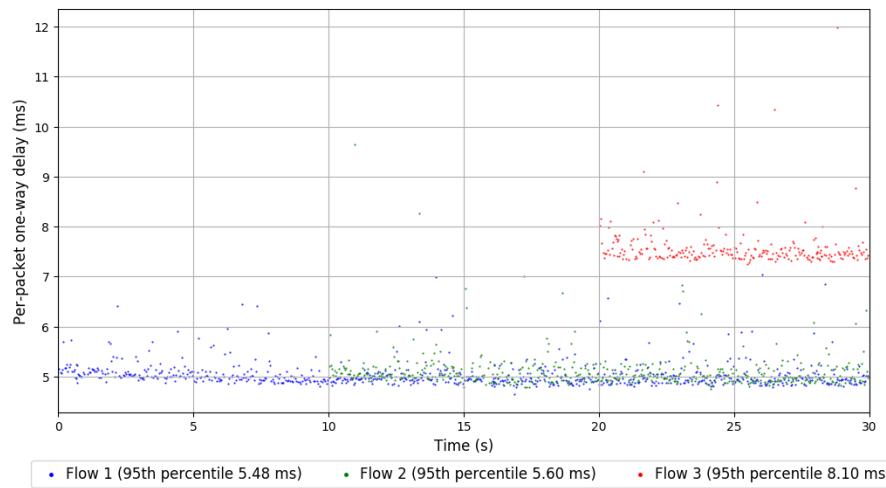
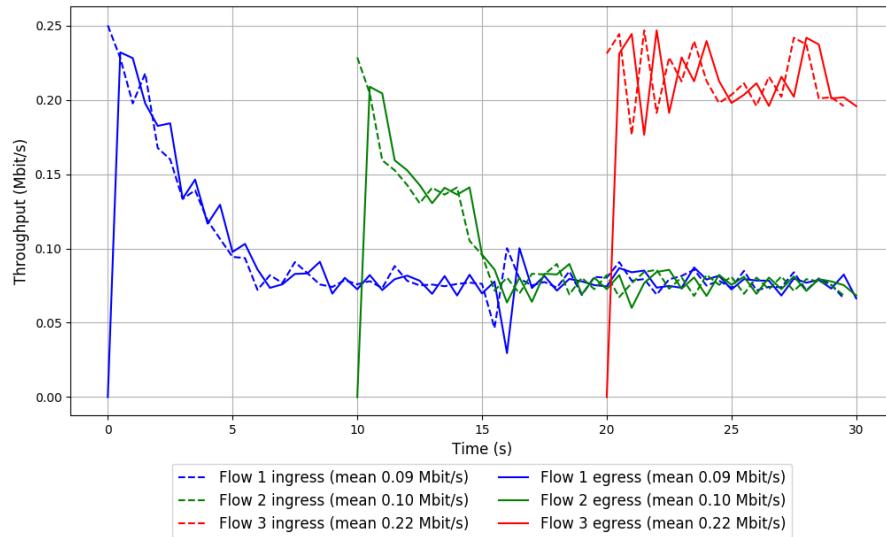


Run 2: Statistics of SCReAM

```
Start at: 2018-09-25 08:45:22
End at: 2018-09-25 08:45:52
Local clock offset: -3.791 ms
Remote clock offset: -8.143 ms

# Below is generated by plot.py at 2018-09-25 10:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 7.566 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 5.481 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 5.603 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.095 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

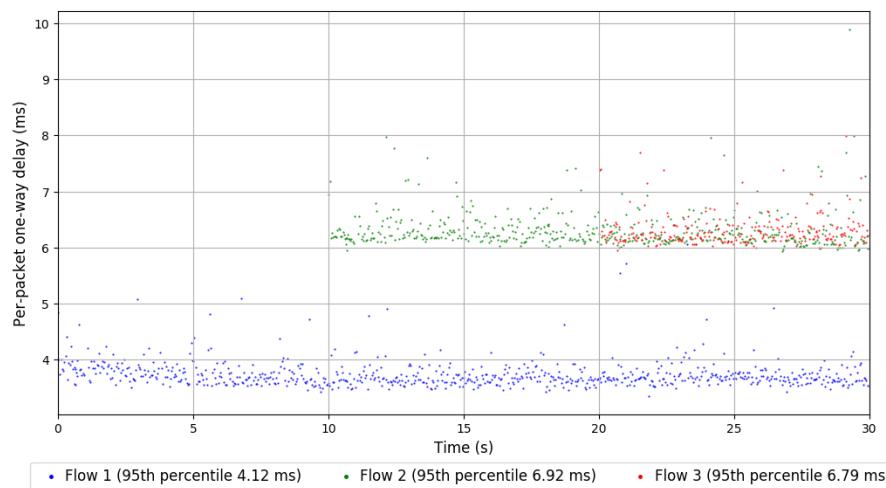
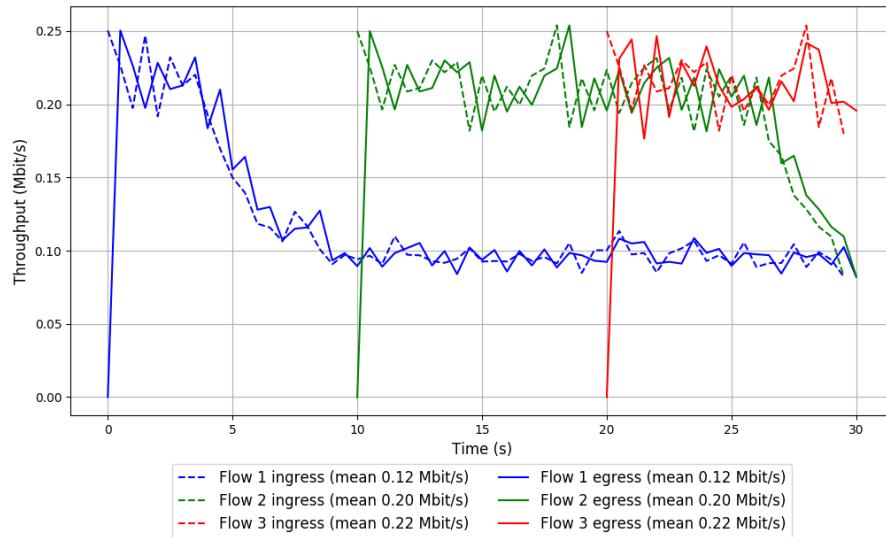


Run 3: Statistics of SCReAM

```
Start at: 2018-09-25 09:07:40
End at: 2018-09-25 09:08:10
Local clock offset: 1.818 ms
Remote clock offset: -2.881 ms

# Below is generated by plot.py at 2018-09-25 10:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 6.631 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 4.122 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 6.921 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.793 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

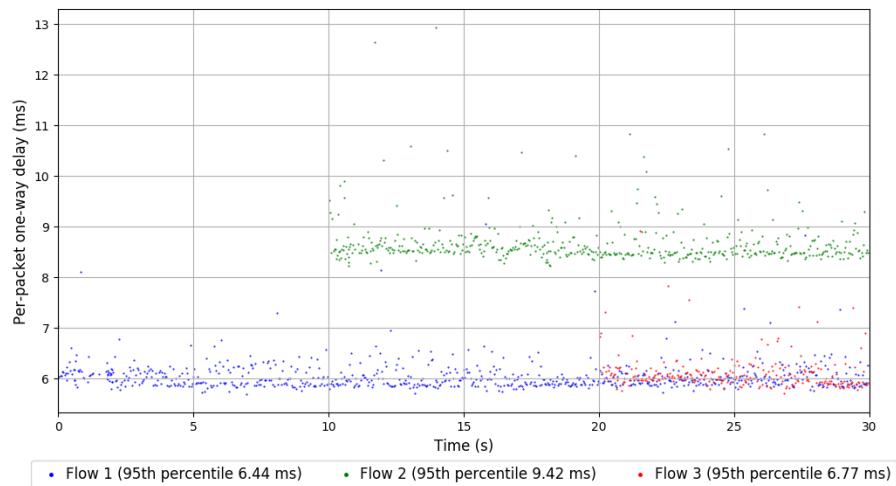
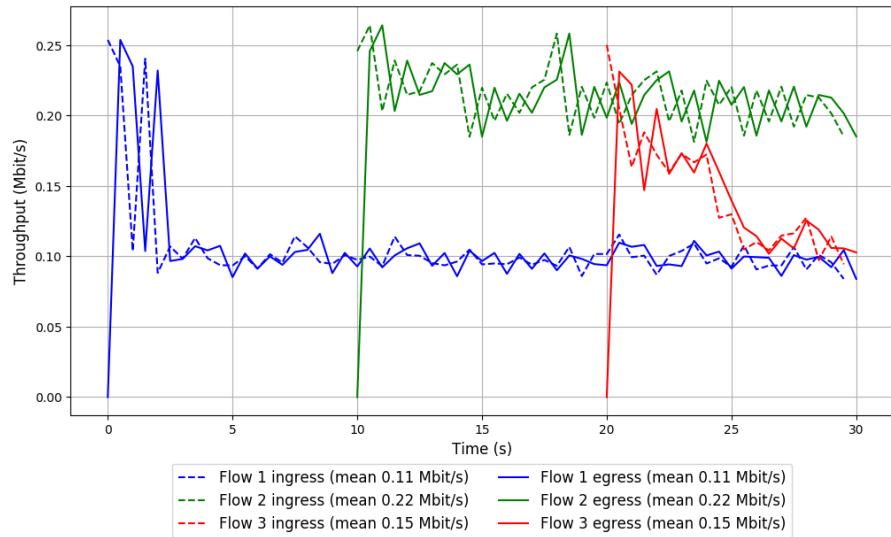


Run 4: Statistics of SCReAM

```
Start at: 2018-09-25 09:30:08
End at: 2018-09-25 09:30:38
Local clock offset: -0.035 ms
Remote clock offset: -3.309 ms

# Below is generated by plot.py at 2018-09-25 10:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 8.853 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 6.774 ms
Loss rate: 0.06%
```

Run 4: Report of SCReAM — Data Link

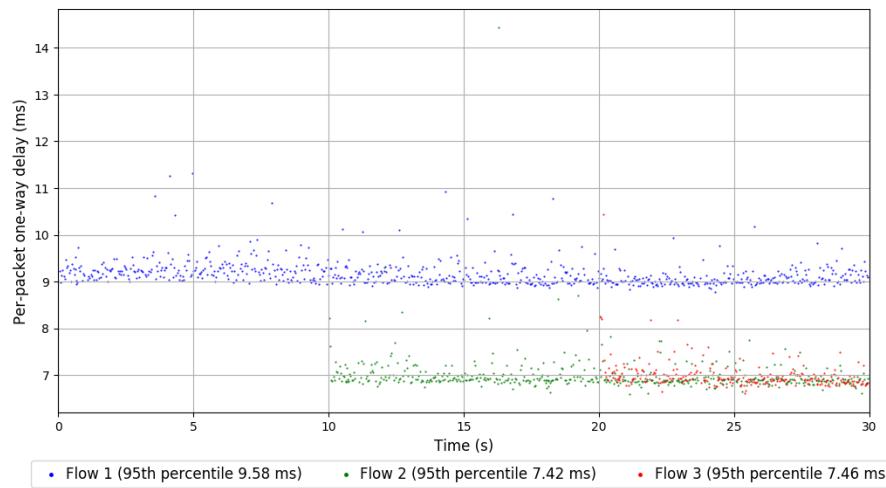
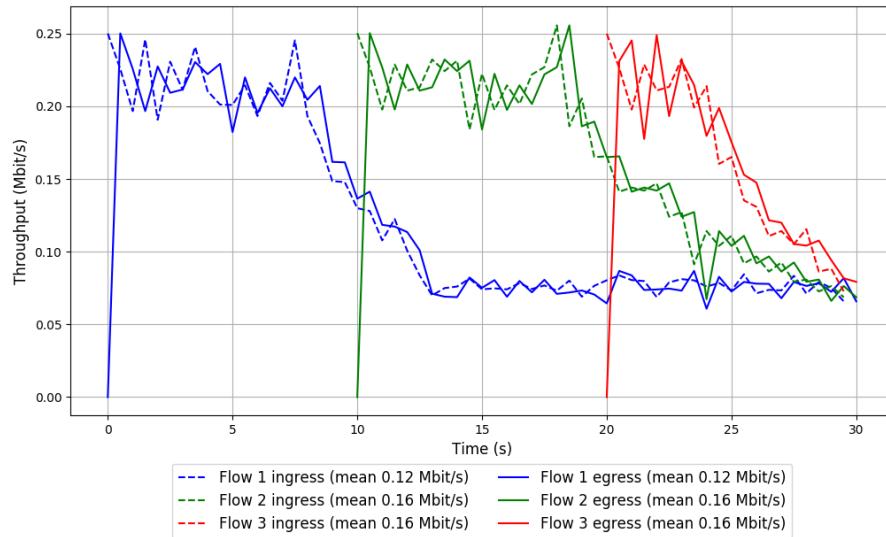


Run 5: Statistics of SCReAM

```
Start at: 2018-09-25 09:52:34
End at: 2018-09-25 09:53:04
Local clock offset: 0.108 ms
Remote clock offset: -3.178 ms

# Below is generated by plot.py at 2018-09-25 10:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 9.428 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 9.579 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 7.420 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 7.464 ms
Loss rate: 1.45%
```

Run 5: Report of SCReAM — Data Link

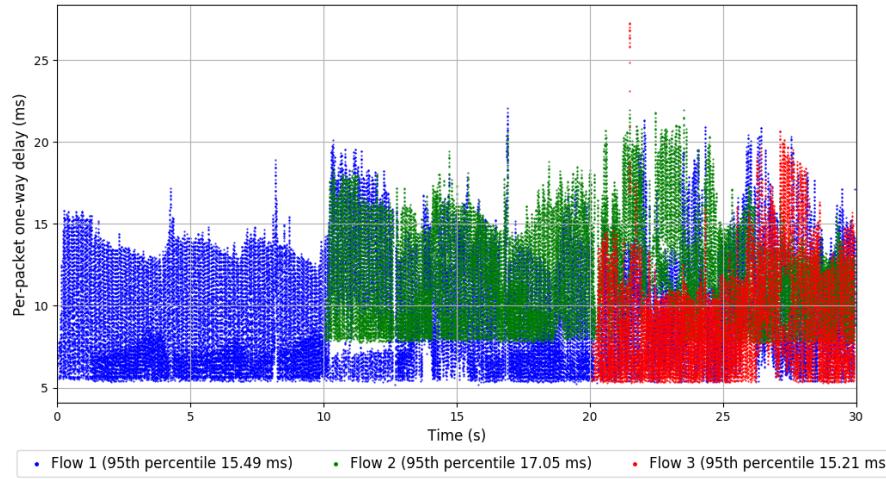
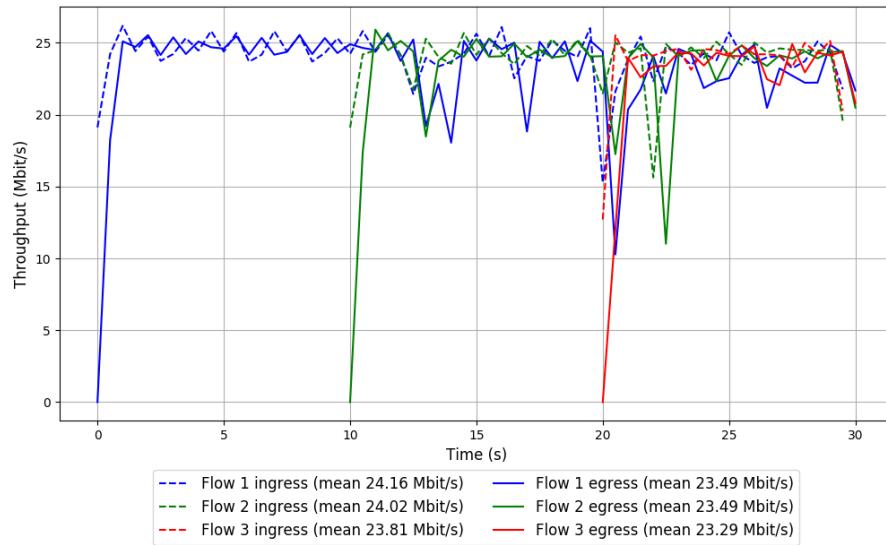


Run 1: Statistics of Sprout

```
Start at: 2018-09-25 08:33:43
End at: 2018-09-25 08:34:13
Local clock offset: 2.389 ms
Remote clock offset: -2.485 ms

# Below is generated by plot.py at 2018-09-25 10:11:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 16.165 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 15.490 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 17.049 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 15.212 ms
Loss rate: 2.21%
```

Run 1: Report of Sprout — Data Link

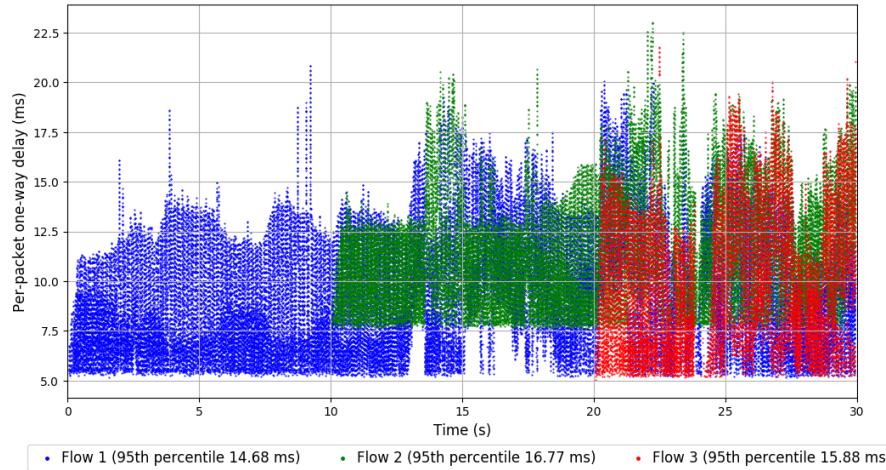
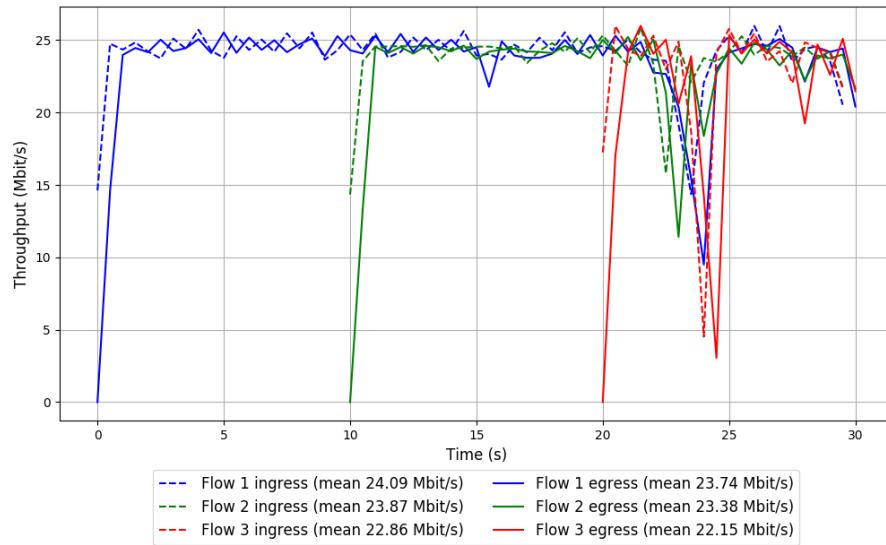


Run 2: Statistics of Sprout

```
Start at: 2018-09-25 08:56:07
End at: 2018-09-25 08:56:37
Local clock offset: 1.277 ms
Remote clock offset: -2.035 ms

# Below is generated by plot.py at 2018-09-25 10:11:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 15.780 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 14.676 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 16.766 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 15.885 ms
Loss rate: 2.98%
```

Run 2: Report of Sprout — Data Link

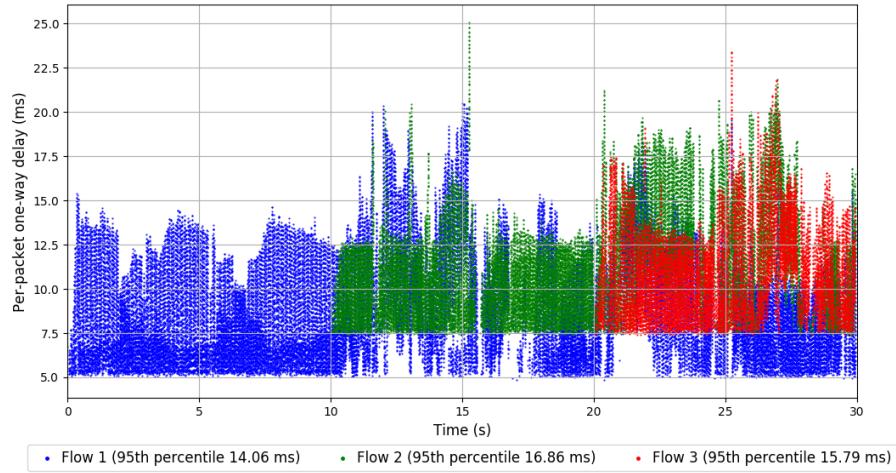
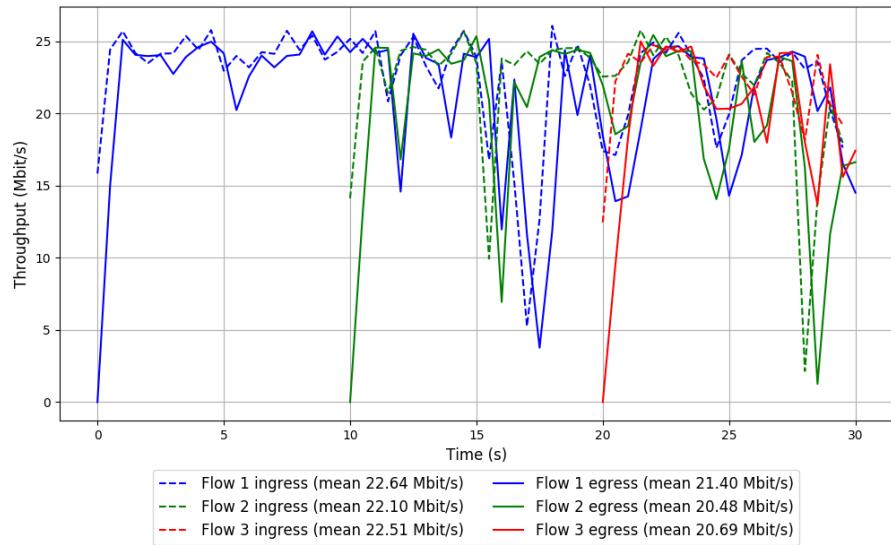


Run 3: Statistics of Sprout

```
Start at: 2018-09-25 09:18:22
End at: 2018-09-25 09:18:52
Local clock offset: 0.949 ms
Remote clock offset: -3.013 ms

# Below is generated by plot.py at 2018-09-25 10:11:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 15.662 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 14.063 ms
Loss rate: 5.49%
-- Flow 2:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 16.862 ms
Loss rate: 7.28%
-- Flow 3:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 15.792 ms
Loss rate: 8.03%
```

Run 3: Report of Sprout — Data Link

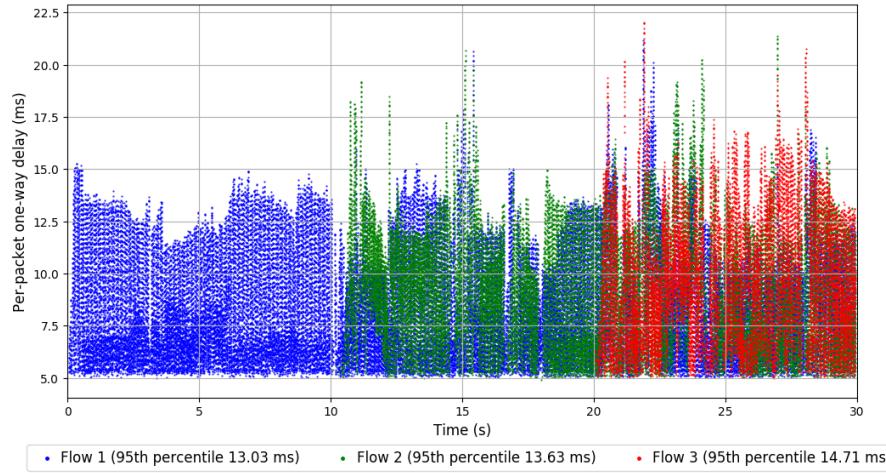
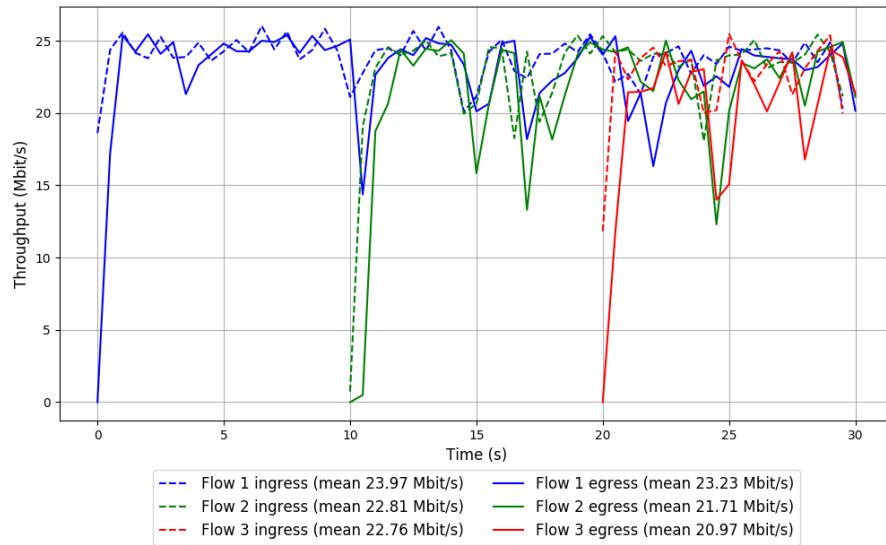


Run 4: Statistics of Sprout

```
Start at: 2018-09-25 09:40:47
End at: 2018-09-25 09:41:17
Local clock offset: 1.963 ms
Remote clock offset: -2.301 ms

# Below is generated by plot.py at 2018-09-25 10:11:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 13.534 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 13.025 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 13.632 ms
Loss rate: 4.80%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 14.714 ms
Loss rate: 7.81%
```

Run 4: Report of Sprout — Data Link

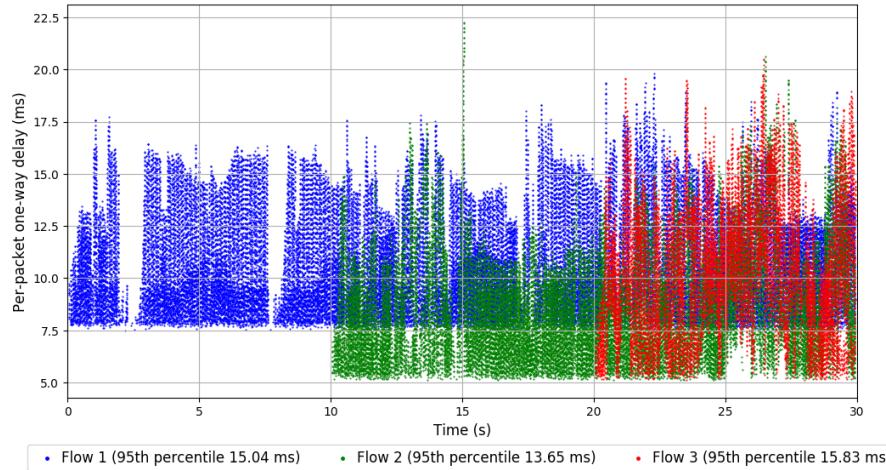
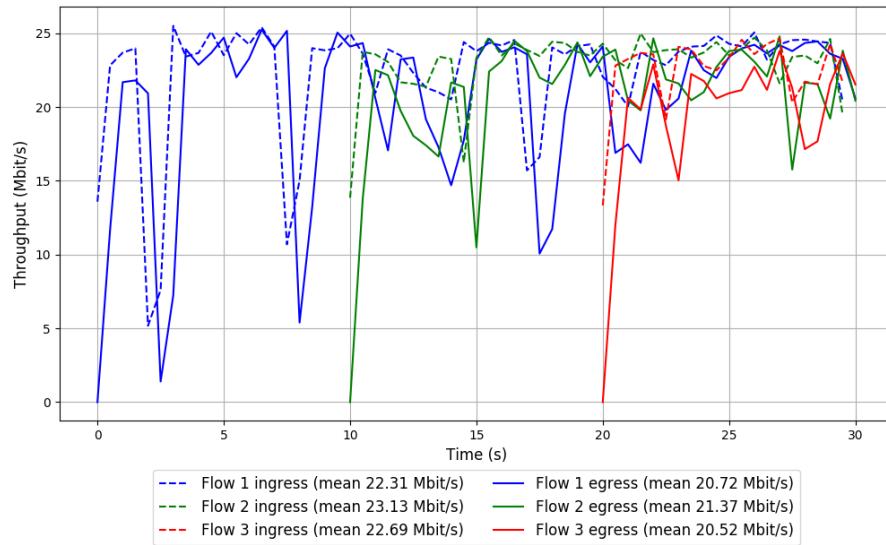


Run 5: Statistics of Sprout

```
Start at: 2018-09-25 10:03:12
End at: 2018-09-25 10:03:42
Local clock offset: 2.312 ms
Remote clock offset: -2.5 ms

# Below is generated by plot.py at 2018-09-25 10:11:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 14.956 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 20.72 Mbit/s
95th percentile per-packet one-way delay: 15.038 ms
Loss rate: 7.14%
-- Flow 2:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 7.62%
-- Flow 3:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 15.828 ms
Loss rate: 9.49%
```

Run 5: Report of Sprout — Data Link

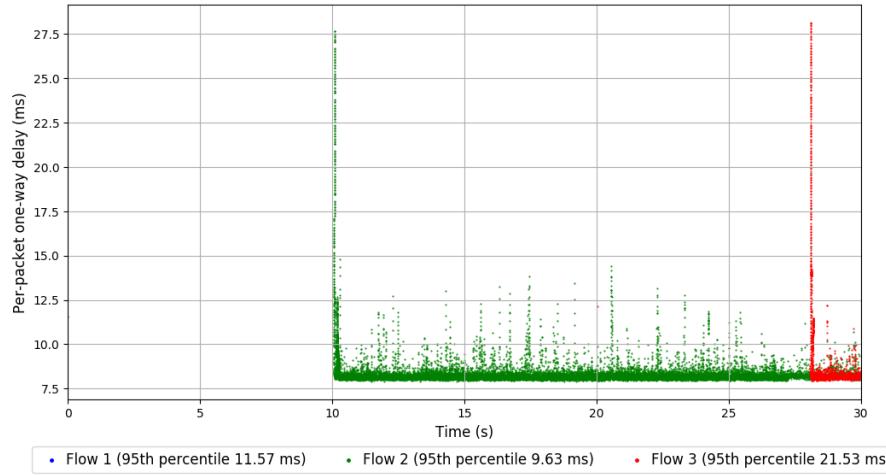
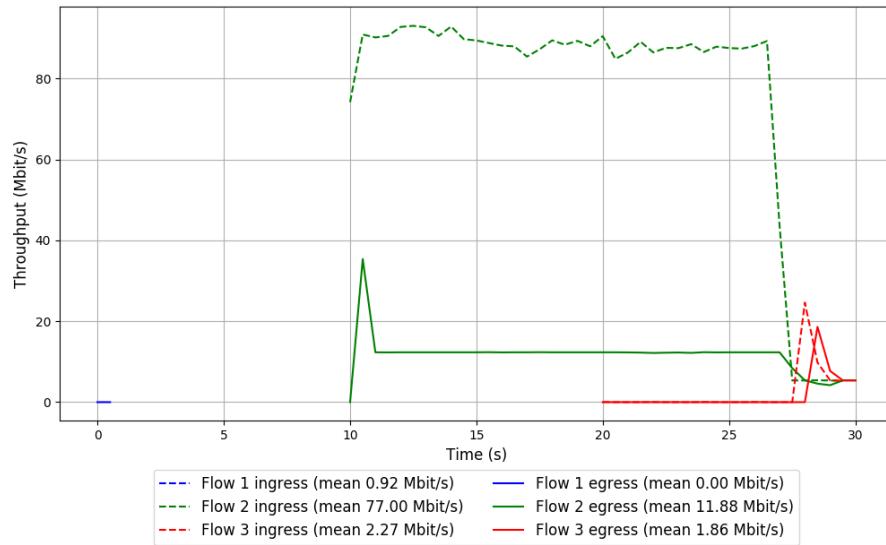


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-09-25 08:16:04
End at: 2018-09-25 08:16:34
Local clock offset: -0.077 ms
Remote clock offset: -2.69 ms

# Below is generated by plot.py at 2018-09-25 10:11:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 9.988 ms
Loss rate: 83.61%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 11.574 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 9.626 ms
Loss rate: 84.57%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 21.532 ms
Loss rate: 18.08%
```

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

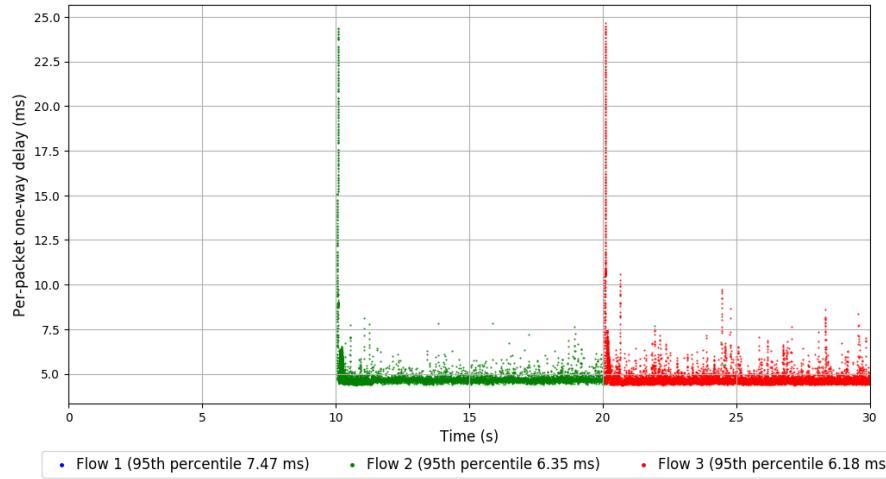
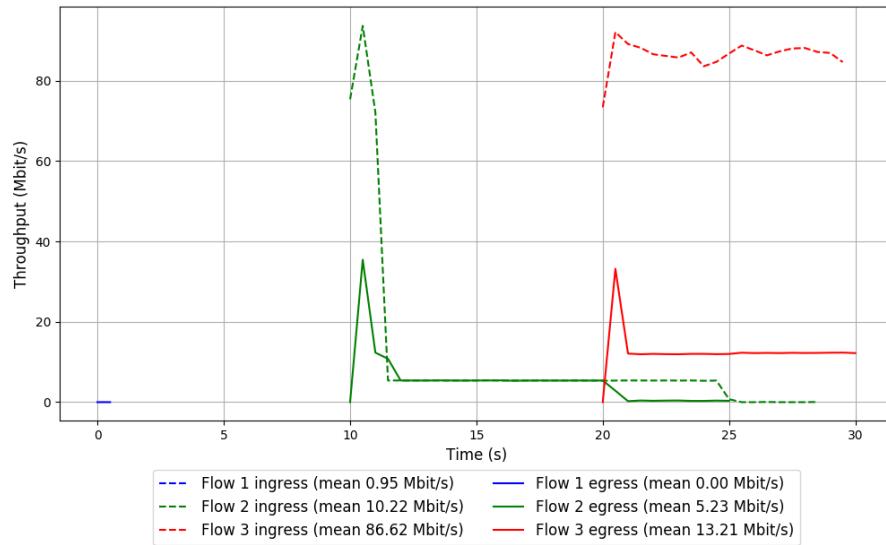


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-09-25 08:38:22
End at: 2018-09-25 08:38:52
Local clock offset: 3.647 ms
Remote clock offset: -2.126 ms

# Below is generated by plot.py at 2018-09-25 10:11:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 6.252 ms
Loss rate: 80.16%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7.473 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 6.354 ms
Loss rate: 59.71%
-- Flow 3:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 6.180 ms
Loss rate: 84.75%
```

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

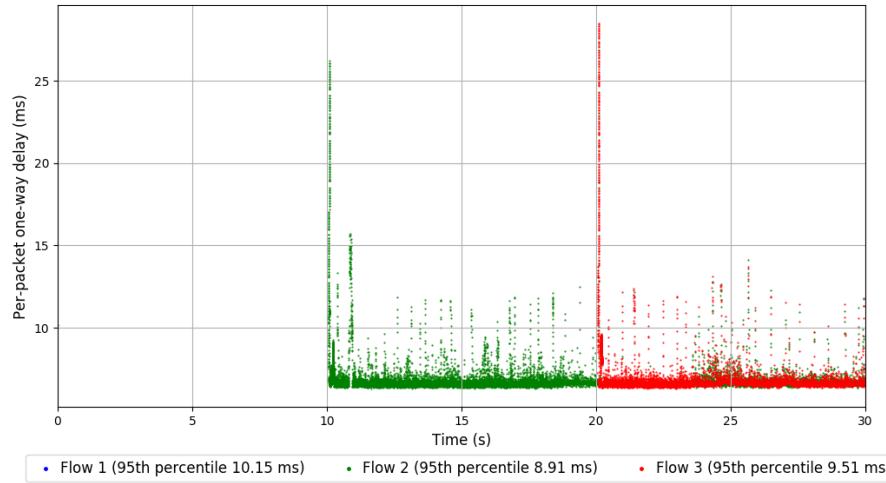
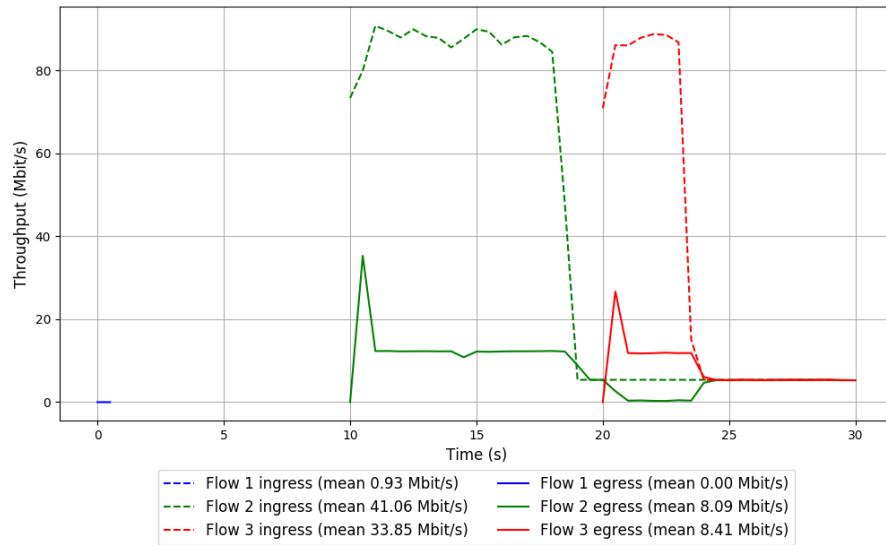


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:00:43
End at: 2018-09-25 09:01:13
Local clock offset: -0.358 ms
Remote clock offset: -2.408 ms

# Below is generated by plot.py at 2018-09-25 10:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 9.268 ms
Loss rate: 78.80%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 10.153 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 8.912 ms
Loss rate: 80.30%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 9.506 ms
Loss rate: 75.15%
```

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

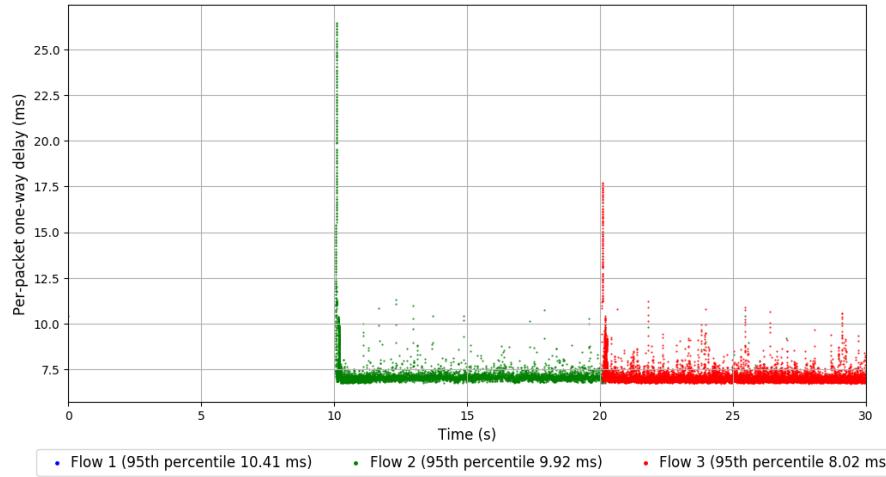
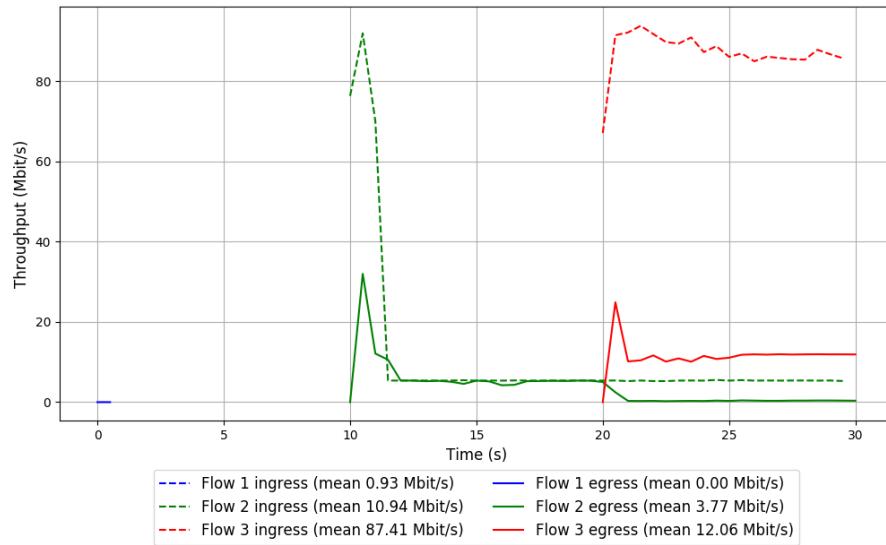


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:22:55
End at: 2018-09-25 09:23:25
Local clock offset: -1.525 ms
Remote clock offset: -3.779 ms

# Below is generated by plot.py at 2018-09-25 10:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 8.746 ms
Loss rate: 82.07%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 10.413 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 9.922 ms
Loss rate: 65.58%
-- Flow 3:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 8.019 ms
Loss rate: 86.20%
```

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

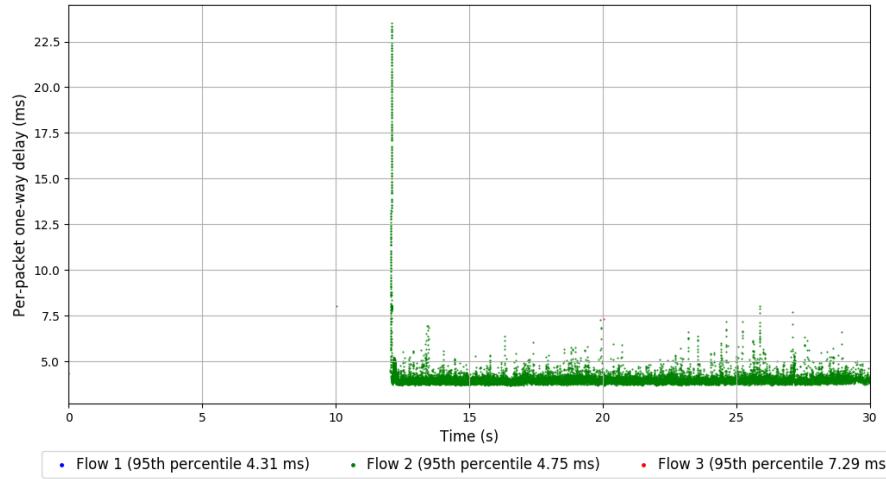
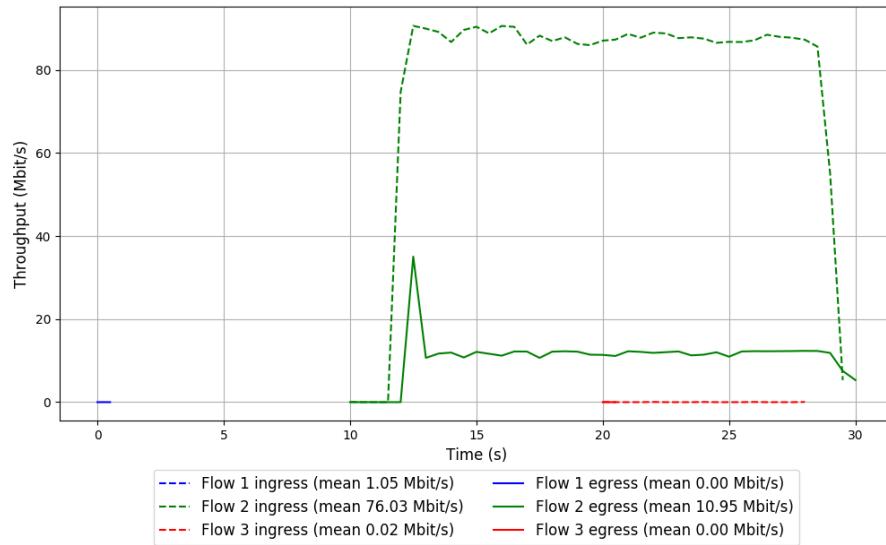


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:45:35
End at: 2018-09-25 09:46:05
Local clock offset: 3.196 ms
Remote clock offset: -2.697 ms

# Below is generated by plot.py at 2018-09-25 10:11:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 4.749 ms
Loss rate: 85.61%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 4.306 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 4.749 ms
Loss rate: 85.61%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 99.16%
```

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

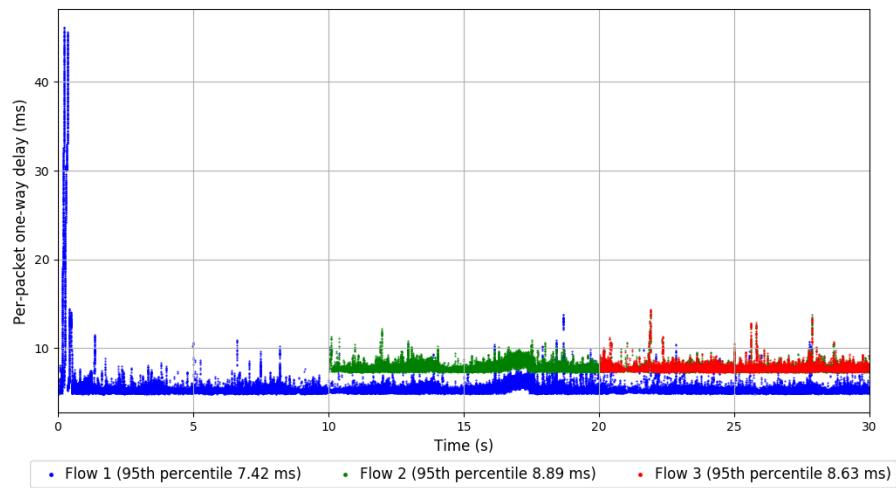
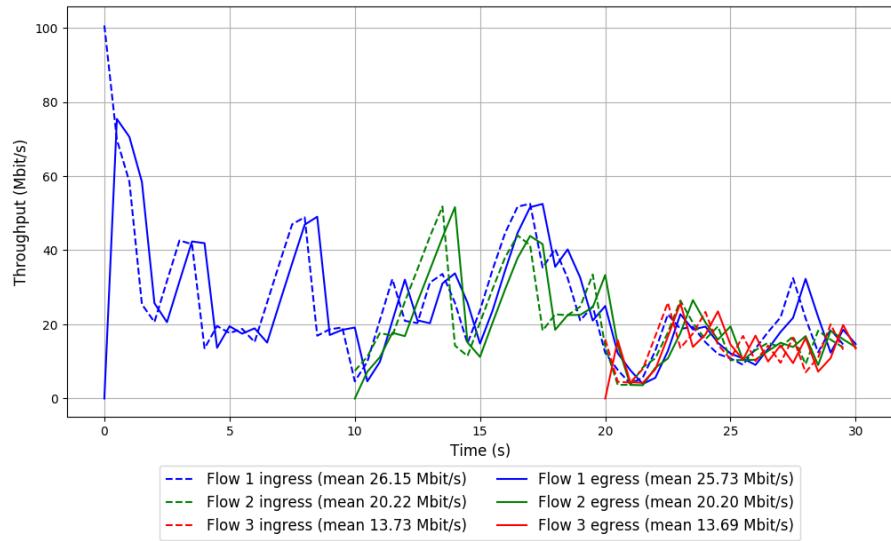


Run 1: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:13:48
End at: 2018-09-25 08:14:18
Local clock offset: 2.004 ms
Remote clock offset: -3.679 ms

# Below is generated by plot.py at 2018-09-25 10:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 8.774 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 7.418 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 8.894 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 8.629 ms
Loss rate: 0.28%
```

Run 1: Report of TCP Vegas — Data Link

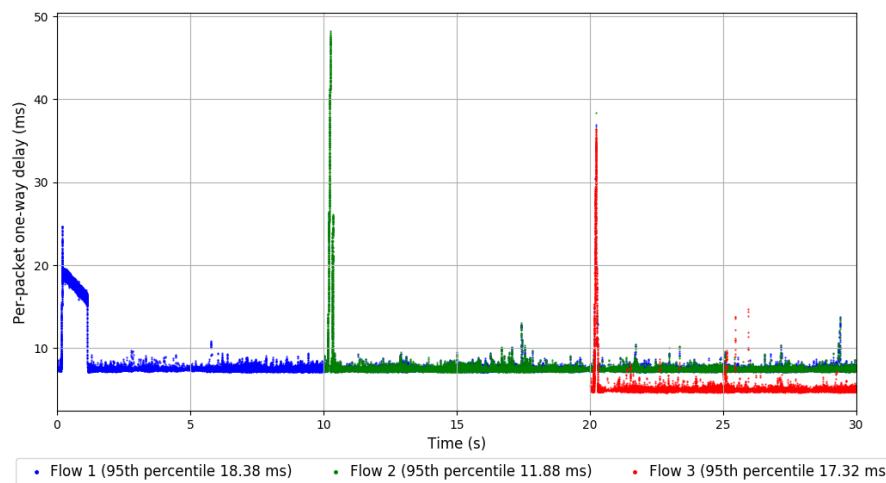
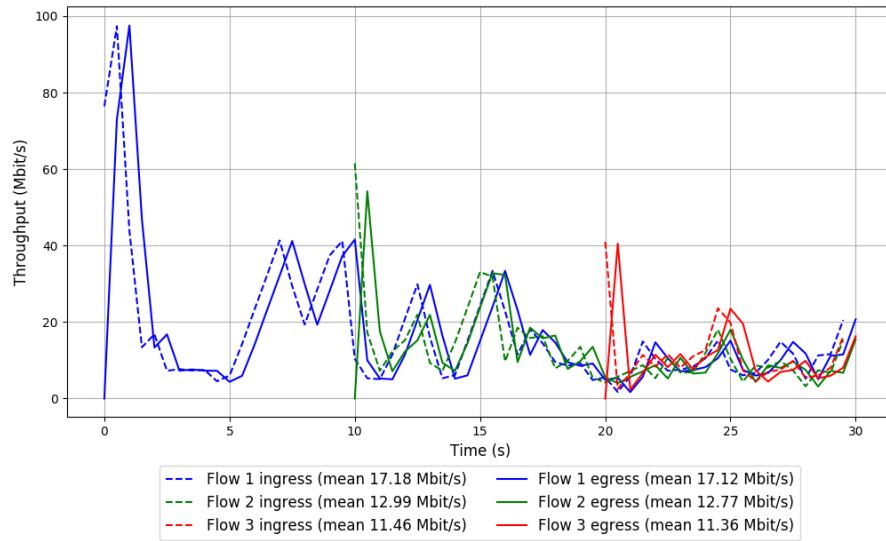


Run 2: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:36:06
End at: 2018-09-25 08:36:36
Local clock offset: 3.617 ms
Remote clock offset: -1.838 ms

# Below is generated by plot.py at 2018-09-25 10:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 18.308 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 18.382 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 11.876 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 17.320 ms
Loss rate: 0.88%
```

Run 2: Report of TCP Vegas — Data Link

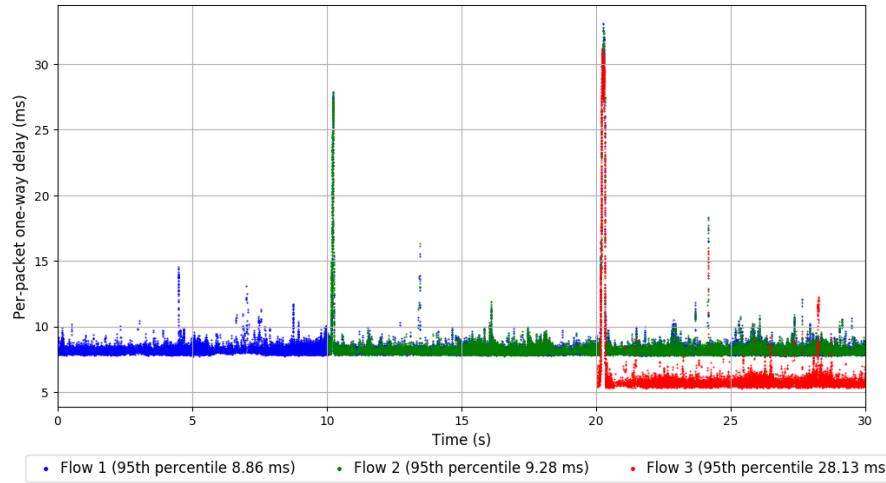
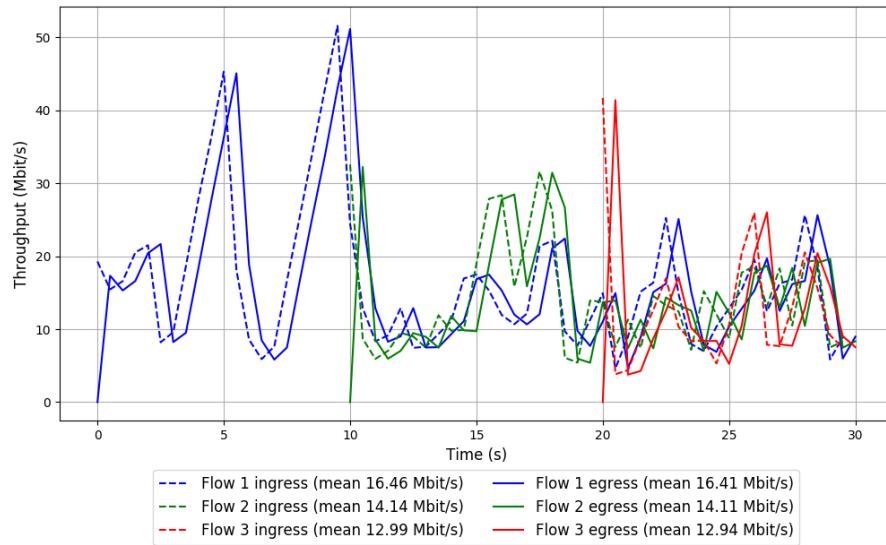


Run 3: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:58:27
End at: 2018-09-25 08:58:57
Local clock offset: 0.216 ms
Remote clock offset: -2.932 ms

# Below is generated by plot.py at 2018-09-25 10:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 9.120 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 8.864 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 9.281 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 28.126 ms
Loss rate: 0.37%
```

Run 3: Report of TCP Vegas — Data Link

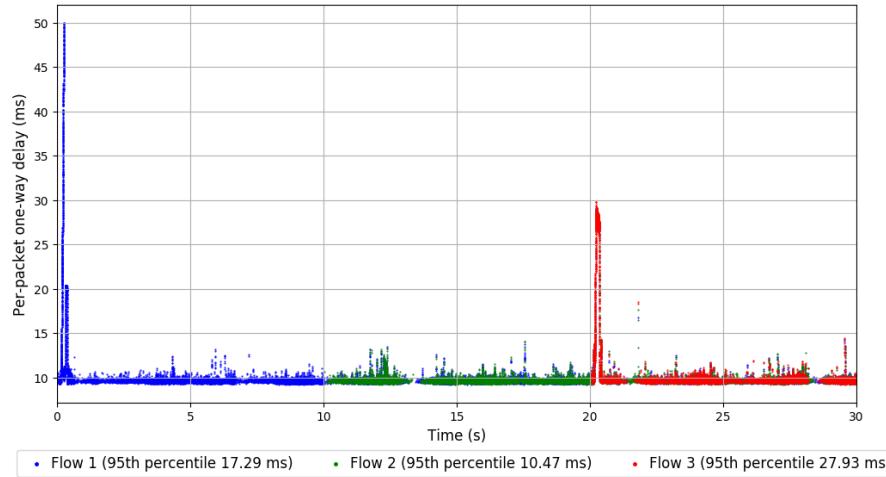
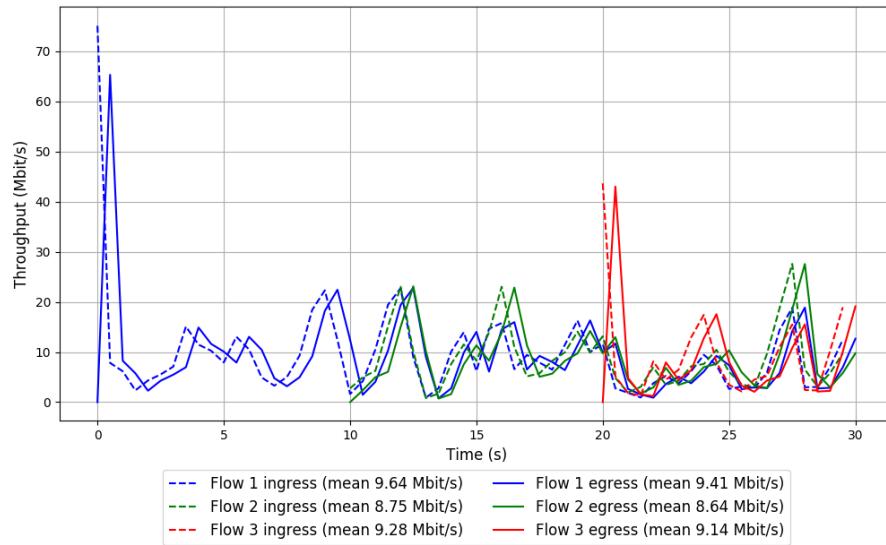


Run 4: Statistics of TCP Vegas

```
Start at: 2018-09-25 09:20:41
End at: 2018-09-25 09:21:11
Local clock offset: -0.873 ms
Remote clock offset: -3.0 ms

# Below is generated by plot.py at 2018-09-25 10:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 17.917 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 17.290 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 10.467 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 27.935 ms
Loss rate: 1.48%
```

Run 4: Report of TCP Vegas — Data Link

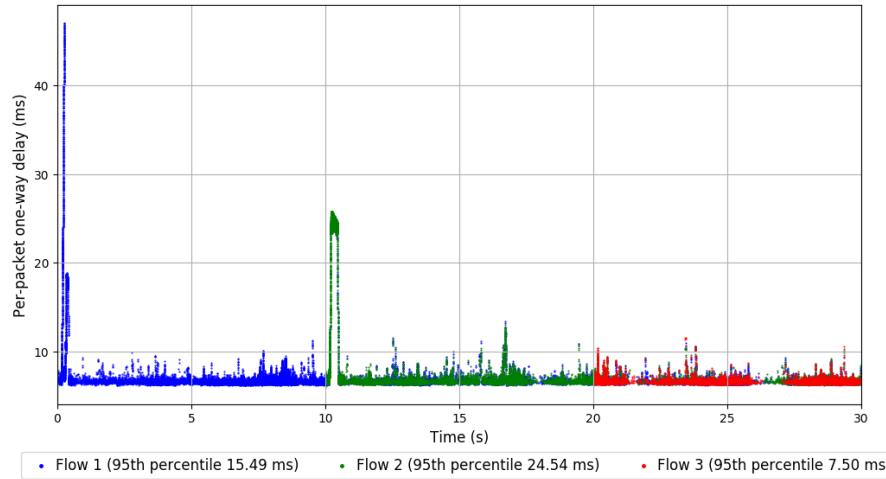
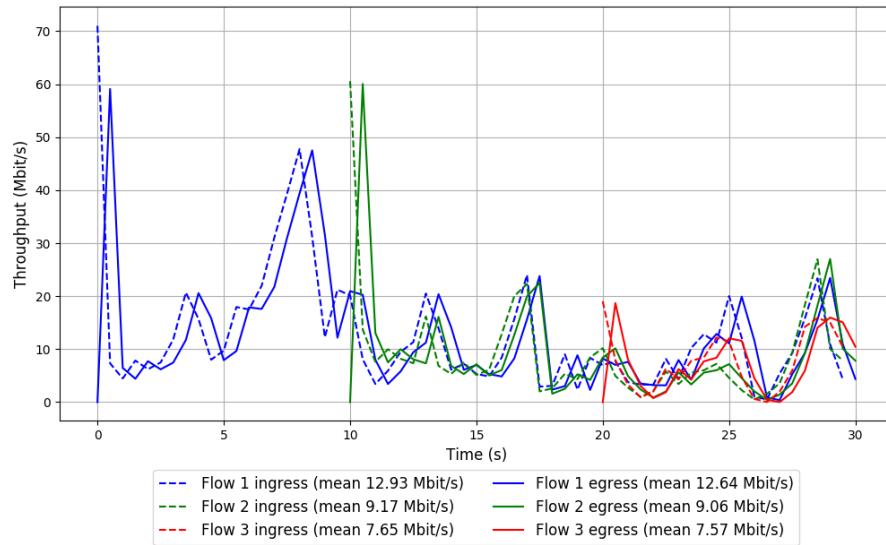


Run 5: Statistics of TCP Vegas

```
Start at: 2018-09-25 09:43:19
End at: 2018-09-25 09:43:49
Local clock offset: 3.764 ms
Remote clock offset: -1.928 ms

# Below is generated by plot.py at 2018-09-25 10:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 20.474 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 15.487 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 24.541 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 7.500 ms
Loss rate: 1.10%
```

Run 5: Report of TCP Vegas — Data Link

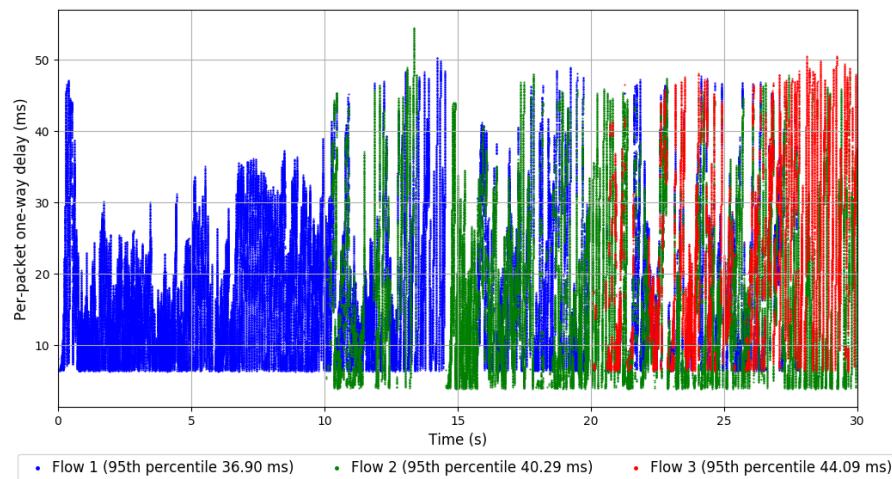
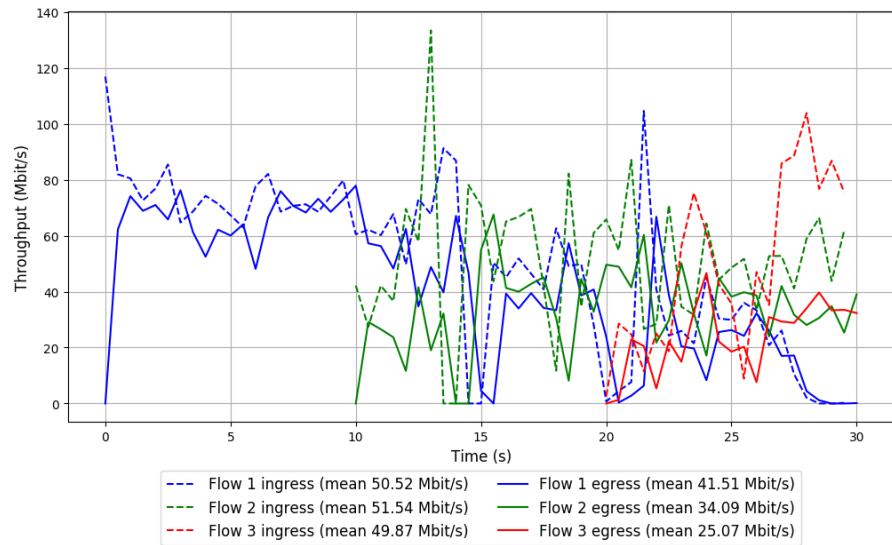


Run 1: Statistics of Verus

```
Start at: 2018-09-25 08:24:03
End at: 2018-09-25 08:24:33
Local clock offset: 3.776 ms
Remote clock offset: -2.689 ms

# Below is generated by plot.py at 2018-09-25 10:12:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.45 Mbit/s
95th percentile per-packet one-way delay: 39.745 ms
Loss rate: 28.46%
-- Flow 1:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 36.902 ms
Loss rate: 17.84%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 40.292 ms
Loss rate: 33.81%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 44.091 ms
Loss rate: 49.79%
```

Run 1: Report of Verus — Data Link

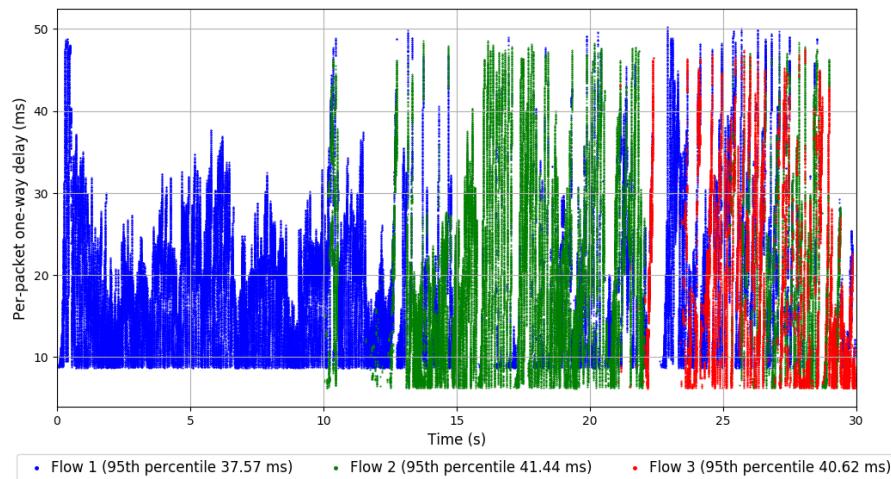
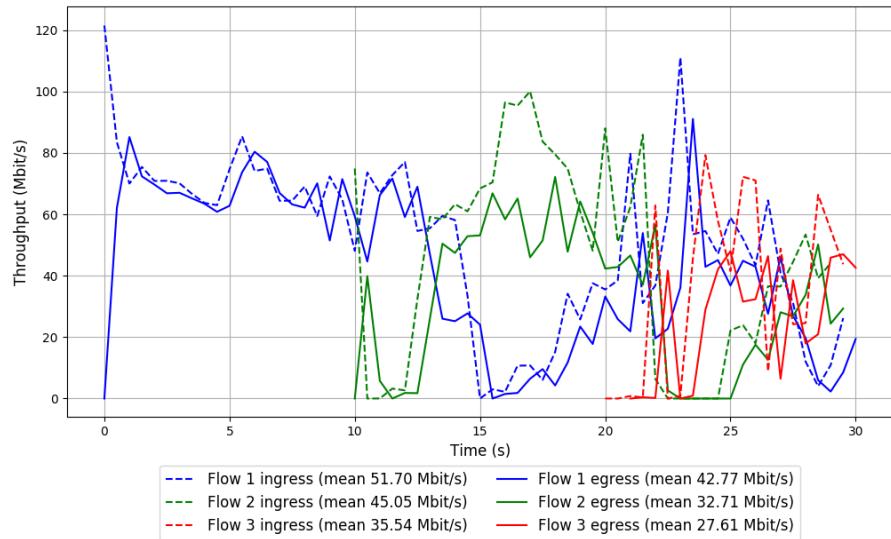


Run 2: Statistics of Verus

```
Start at: 2018-09-25 08:46:28
End at: 2018-09-25 08:46:58
Local clock offset: 0.361 ms
Remote clock offset: -2.522 ms

# Below is generated by plot.py at 2018-09-25 10:12:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 39.469 ms
Loss rate: 22.09%
-- Flow 1:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 37.570 ms
Loss rate: 17.28%
-- Flow 2:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 41.440 ms
Loss rate: 27.40%
-- Flow 3:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 40.622 ms
Loss rate: 30.15%
```

Run 2: Report of Verus — Data Link

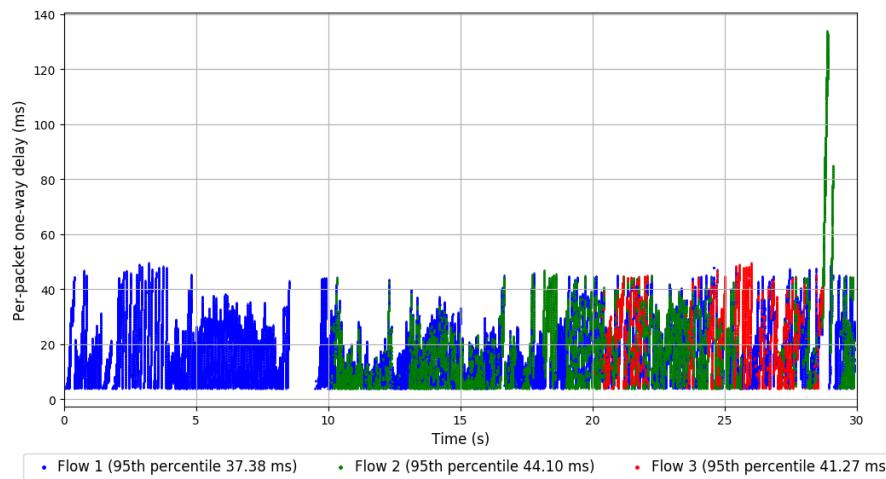
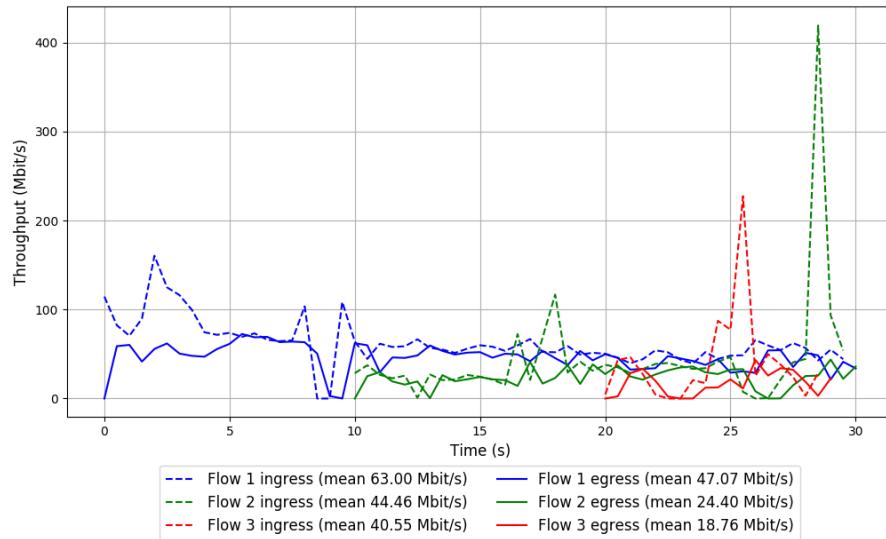


Run 3: Statistics of Verus

```
Start at: 2018-09-25 09:08:52
End at: 2018-09-25 09:09:22
Local clock offset: 1.752 ms
Remote clock offset: -2.542 ms

# Below is generated by plot.py at 2018-09-25 10:12:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 39.300 ms
Loss rate: 34.35%
-- Flow 1:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 37.381 ms
Loss rate: 25.28%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 44.101 ms
Loss rate: 45.10%
-- Flow 3:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 41.274 ms
Loss rate: 55.33%
```

Run 3: Report of Verus — Data Link

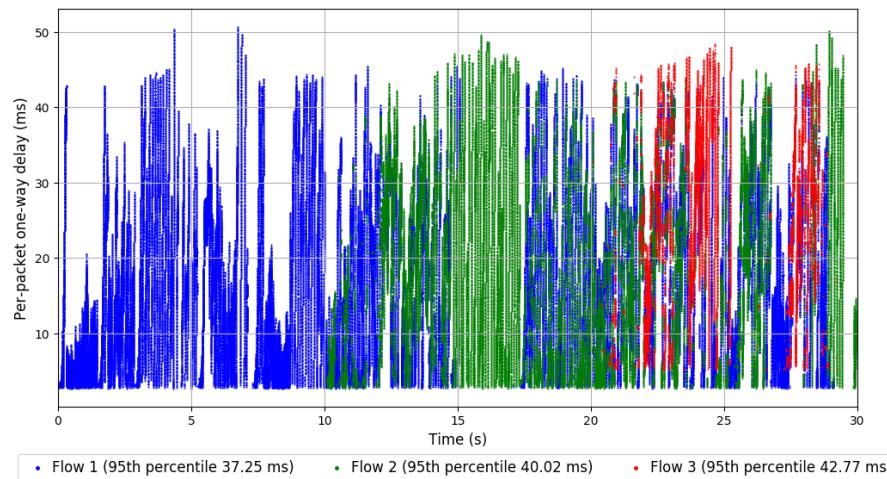
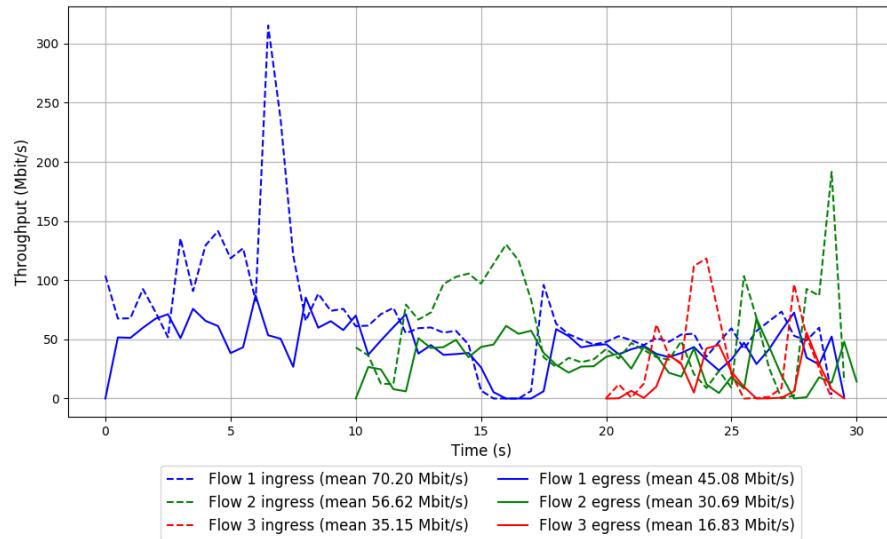


Run 4: Statistics of Verus

```
Start at: 2018-09-25 09:31:15
End at: 2018-09-25 09:31:45
Local clock offset: 3.177 ms
Remote clock offset: -3.185 ms

# Below is generated by plot.py at 2018-09-25 10:13:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 38.957 ms
Loss rate: 41.05%
-- Flow 1:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 37.247 ms
Loss rate: 36.51%
-- Flow 2:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 40.024 ms
Loss rate: 45.77%
-- Flow 3:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 42.769 ms
Loss rate: 53.32%
```

Run 4: Report of Verus — Data Link

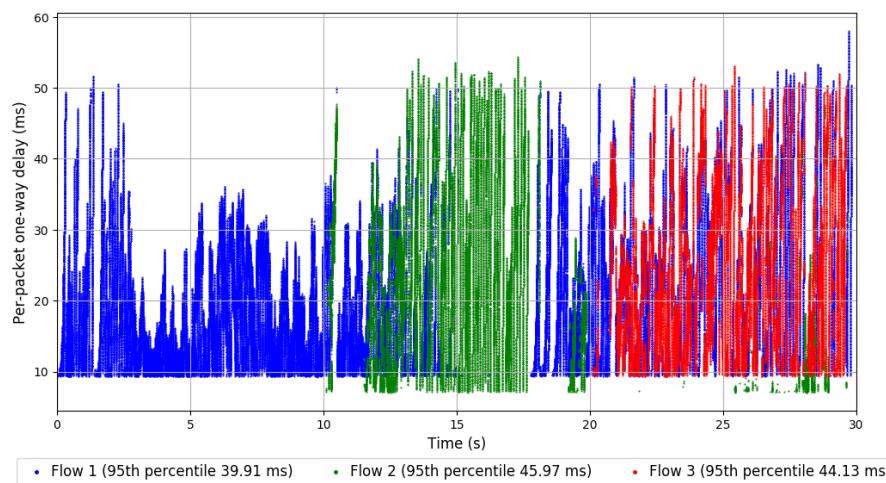
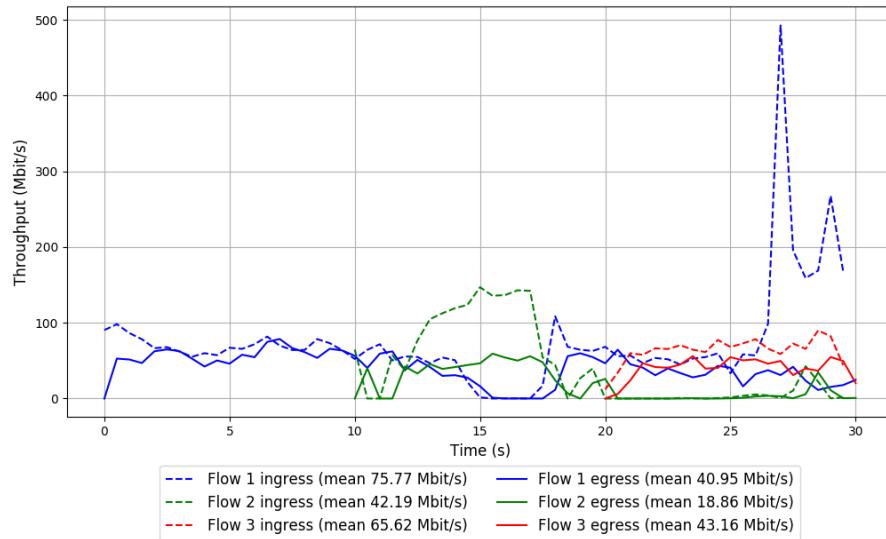


Run 5: Statistics of Verus

```
Start at: 2018-09-25 09:53:40
End at: 2018-09-25 09:54:10
Local clock offset: 0.399 ms
Remote clock offset: -2.545 ms

# Below is generated by plot.py at 2018-09-25 10:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 42.655 ms
Loss rate: 46.15%
-- Flow 1:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 39.910 ms
Loss rate: 45.90%
-- Flow 2:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 45.974 ms
Loss rate: 55.37%
-- Flow 3:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 44.135 ms
Loss rate: 34.98%
```

Run 5: Report of Verus — Data Link

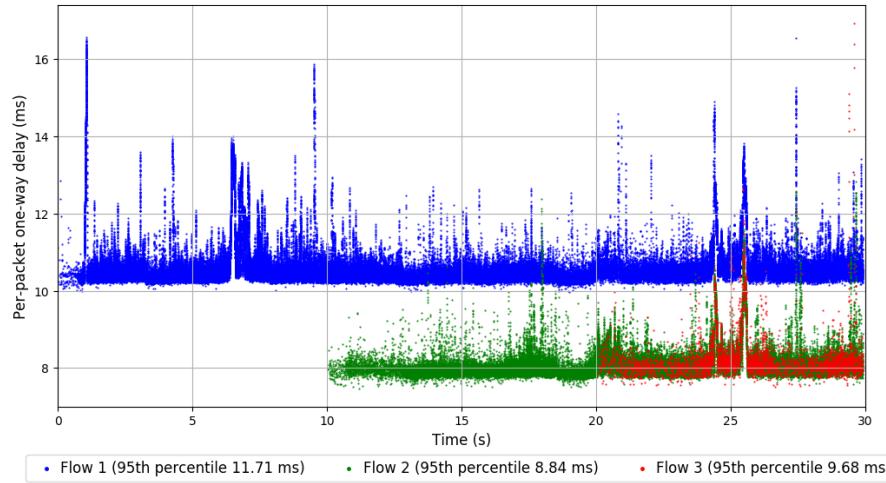
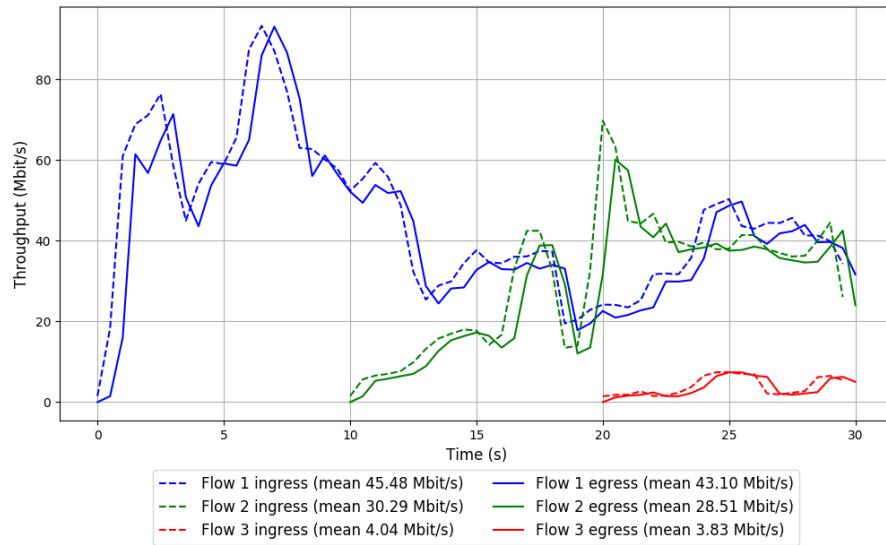


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-09-25 08:32:32
End at: 2018-09-25 08:33:02
Local clock offset: 0.411 ms
Remote clock offset: -2.075 ms

# Below is generated by plot.py at 2018-09-25 10:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.33 Mbit/s
95th percentile per-packet one-way delay: 11.345 ms
Loss rate: 5.43%
-- Flow 1:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 11.714 ms
Loss rate: 5.24%
-- Flow 2:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 8.836 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 9.681 ms
Loss rate: 5.03%
```

Run 1: Report of PCC-Vivace — Data Link

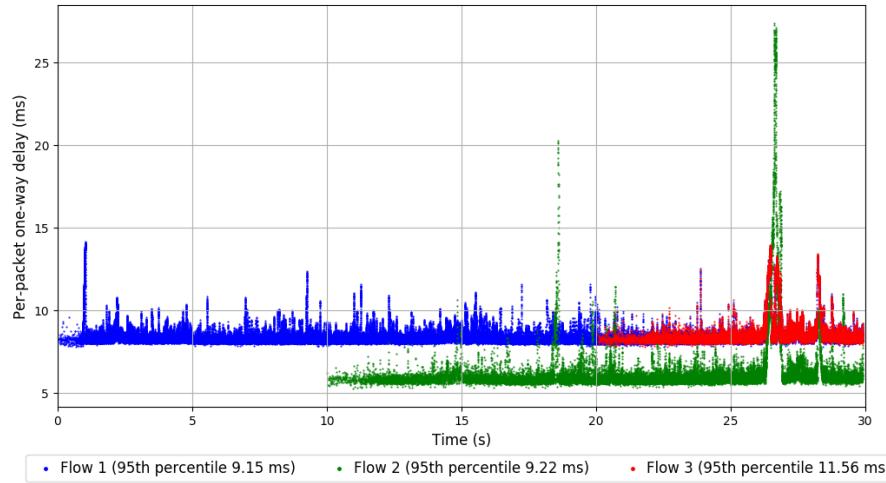
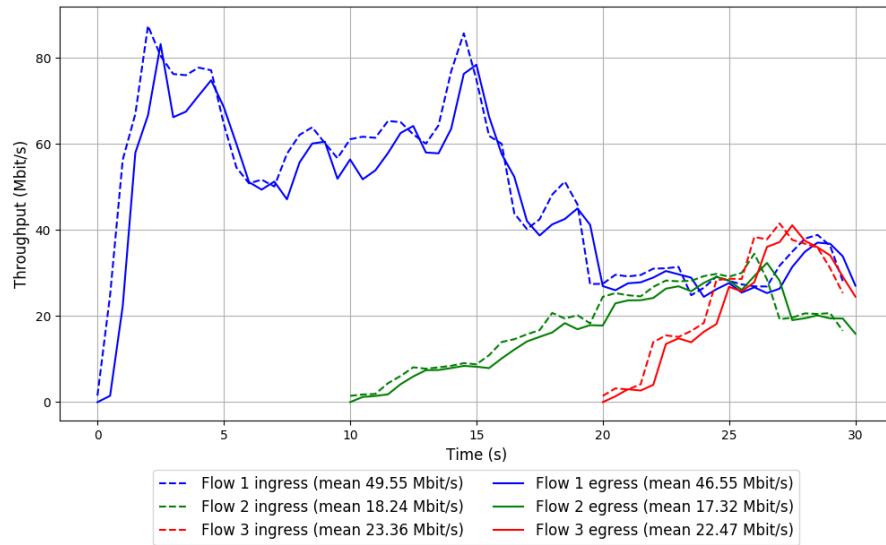


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-09-25 08:54:56
End at: 2018-09-25 08:55:26
Local clock offset: 0.674 ms
Remote clock offset: -2.356 ms

# Below is generated by plot.py at 2018-09-25 10:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.49 Mbit/s
95th percentile per-packet one-way delay: 9.312 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 9.150 ms
Loss rate: 6.06%
-- Flow 2:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 9.217 ms
Loss rate: 5.06%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 11.565 ms
Loss rate: 3.85%
```

Run 2: Report of PCC-Vivace — Data Link

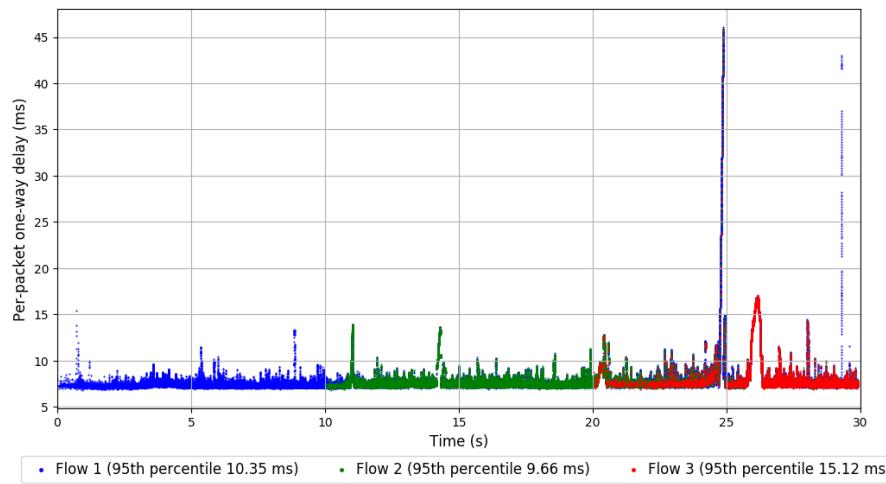
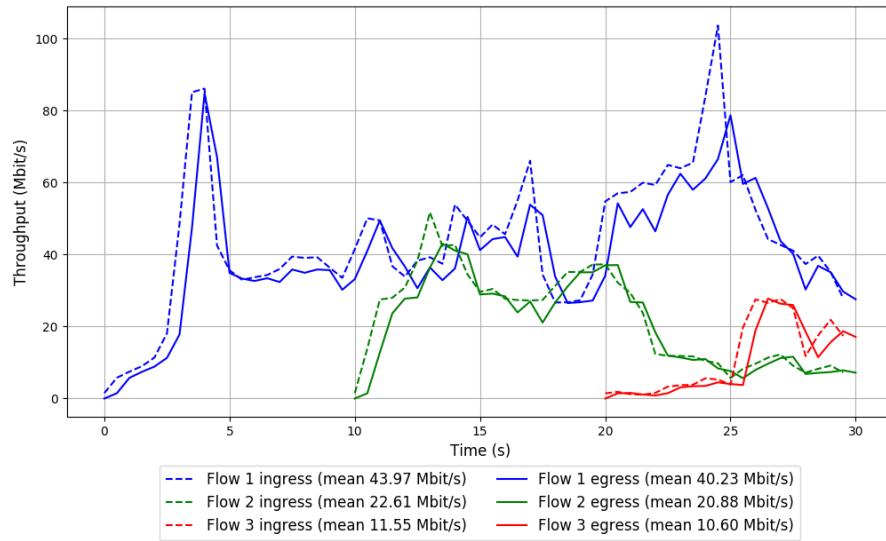


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-09-25 09:17:11
End at: 2018-09-25 09:17:41
Local clock offset: 0.442 ms
Remote clock offset: -3.851 ms

# Below is generated by plot.py at 2018-09-25 10:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 10.493 ms
Loss rate: 8.28%
-- Flow 1:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 10.348 ms
Loss rate: 8.52%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 9.658 ms
Loss rate: 7.62%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 15.124 ms
Loss rate: 8.18%
```

Run 3: Report of PCC-Vivace — Data Link

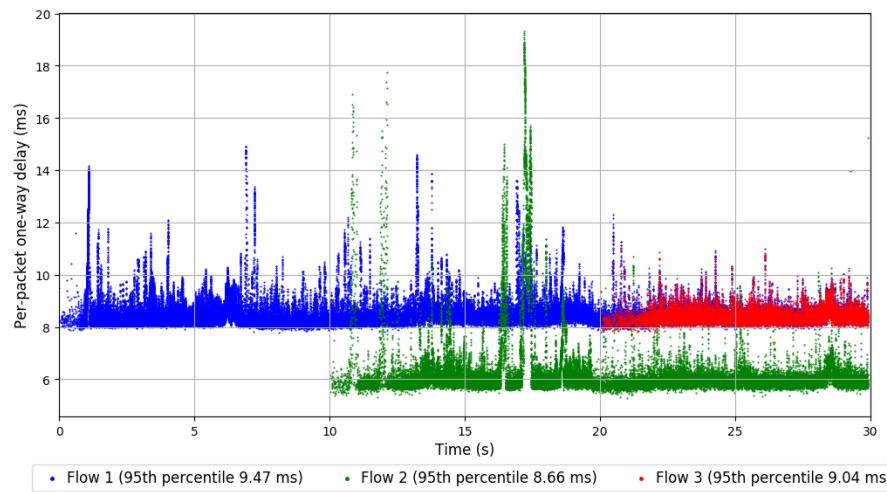
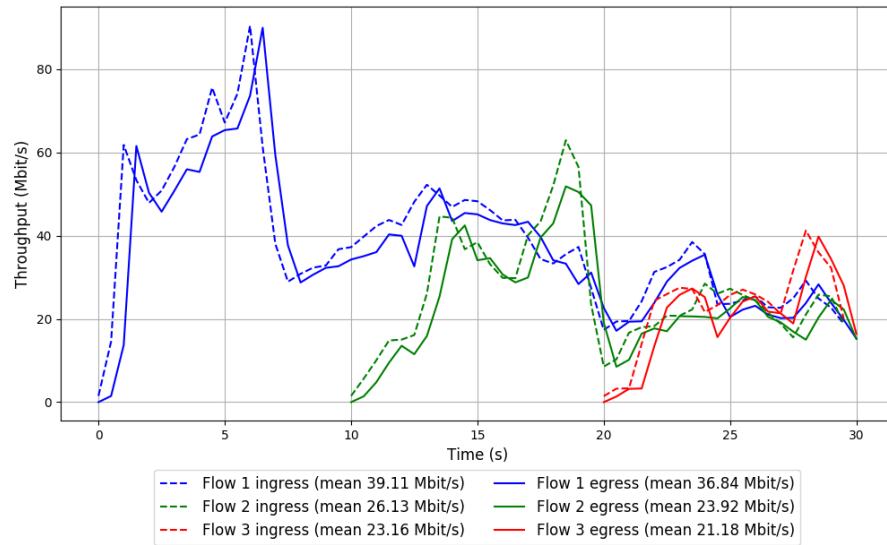


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-09-25 09:39:34
End at: 2018-09-25 09:40:04
Local clock offset: 1.321 ms
Remote clock offset: -2.28 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 9.361 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 9.469 ms
Loss rate: 5.83%
-- Flow 2:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 8.660 ms
Loss rate: 8.48%
-- Flow 3:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 9.037 ms
Loss rate: 8.49%
```

Run 4: Report of PCC-Vivace — Data Link

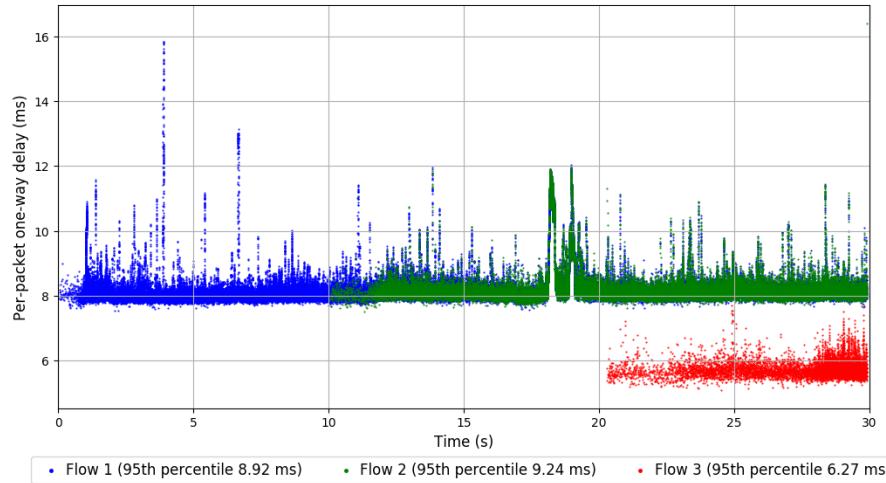
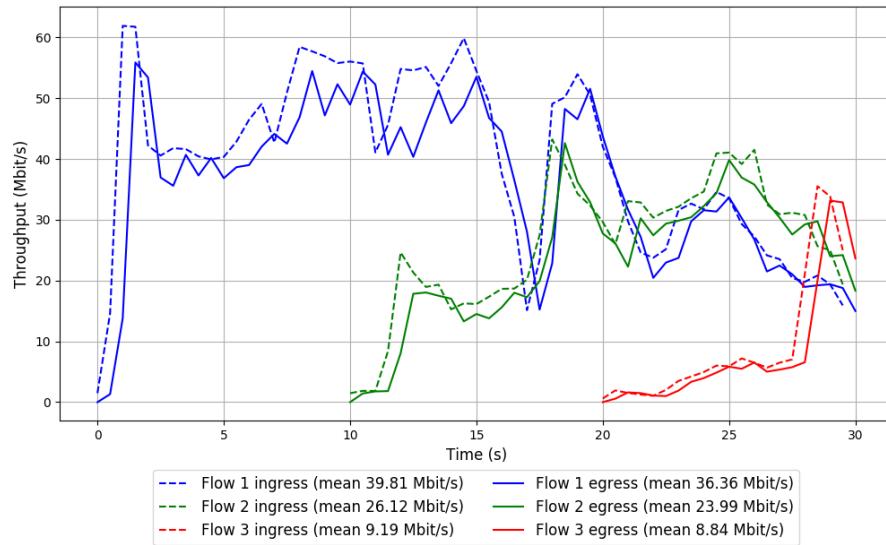


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-09-25 10:02:01
End at: 2018-09-25 10:02:31
Local clock offset: 2.759 ms
Remote clock offset: -1.823 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 8.946 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 8.924 ms
Loss rate: 8.66%
-- Flow 2:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 9.239 ms
Loss rate: 8.16%
-- Flow 3:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 6.271 ms
Loss rate: 6.24%
```

Run 5: Report of PCC-Vivace — Data Link

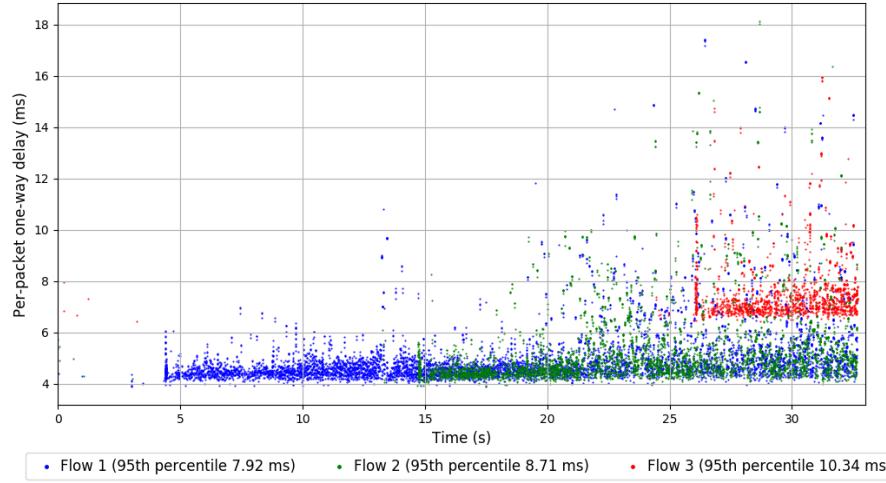
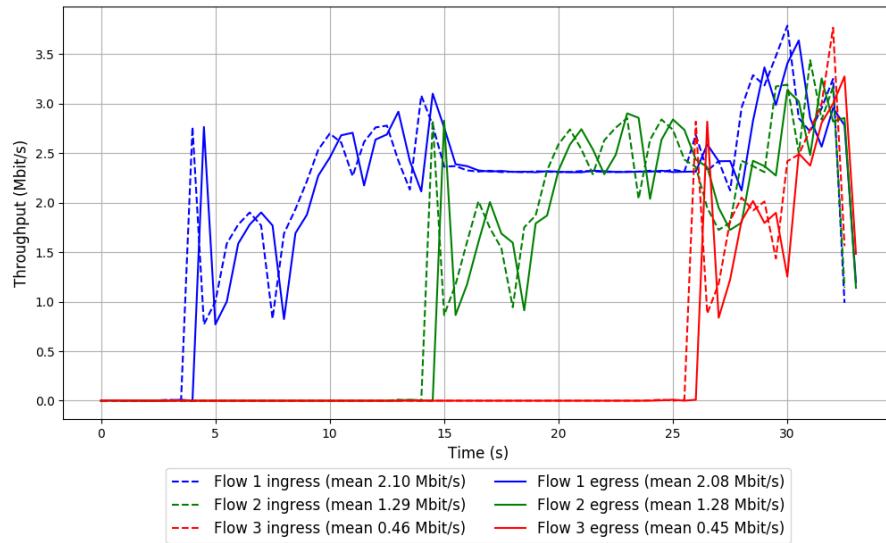


```
Run 1: Statistics of WebRTC media

Start at: 2018-09-25 08:26:33
End at: 2018-09-25 08:27:03
Local clock offset: 3.504 ms
Remote clock offset: -2.746 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 8.722 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 7.922 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 8.713 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 10.343 ms
Loss rate: 3.29%
```

Run 1: Report of WebRTC media — Data Link

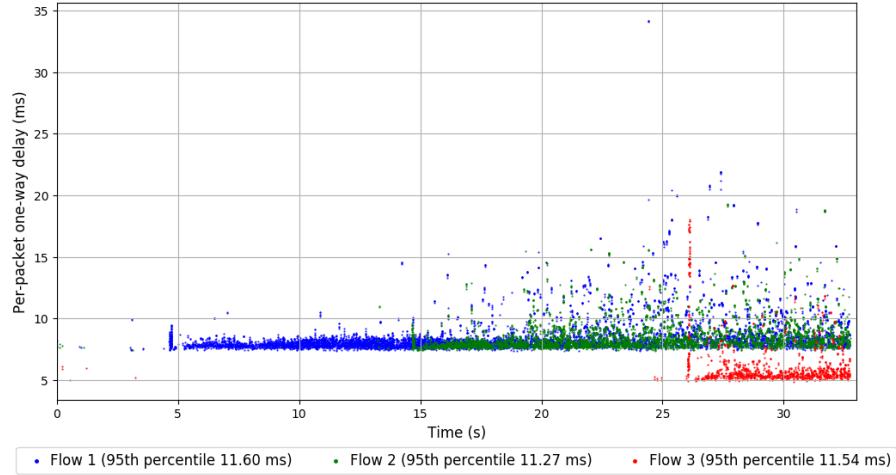
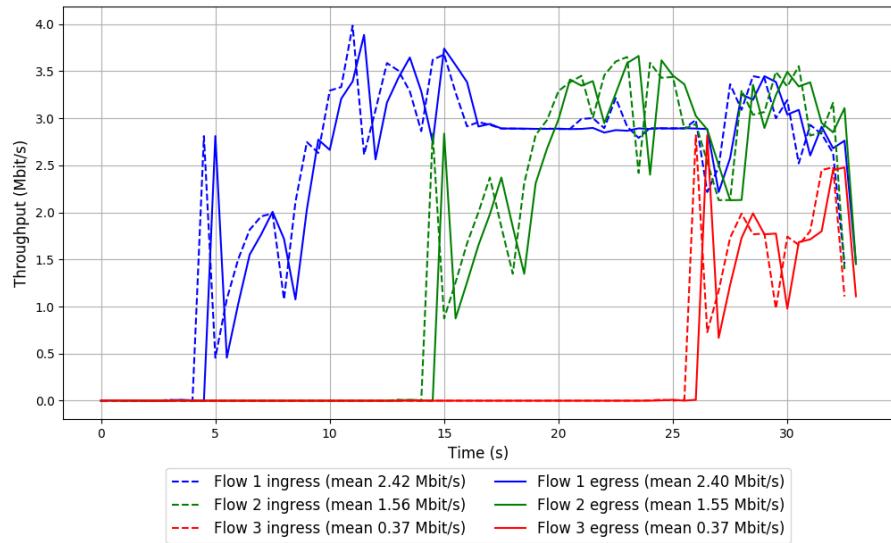


Run 2: Statistics of WebRTC media

```
Start at: 2018-09-25 08:48:55
End at: 2018-09-25 08:49:25
Local clock offset: 1.373 ms
Remote clock offset: -2.441 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 11.465 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 11.595 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 11.268 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 11.538 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

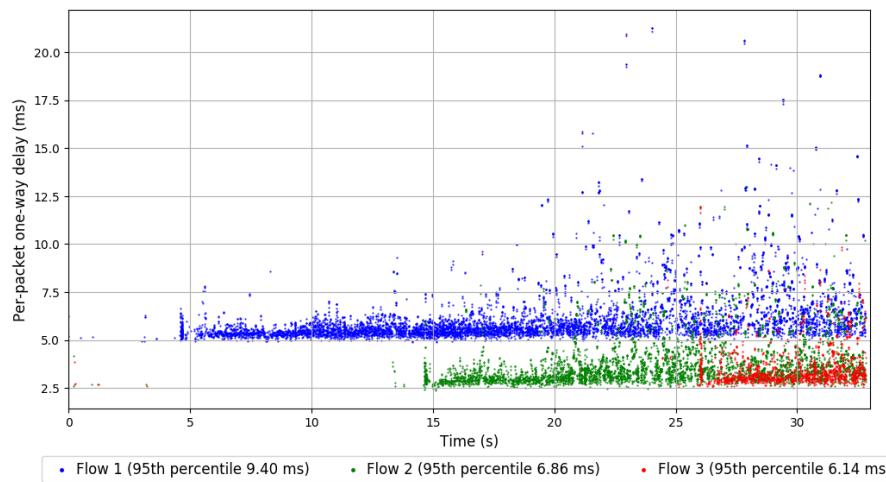
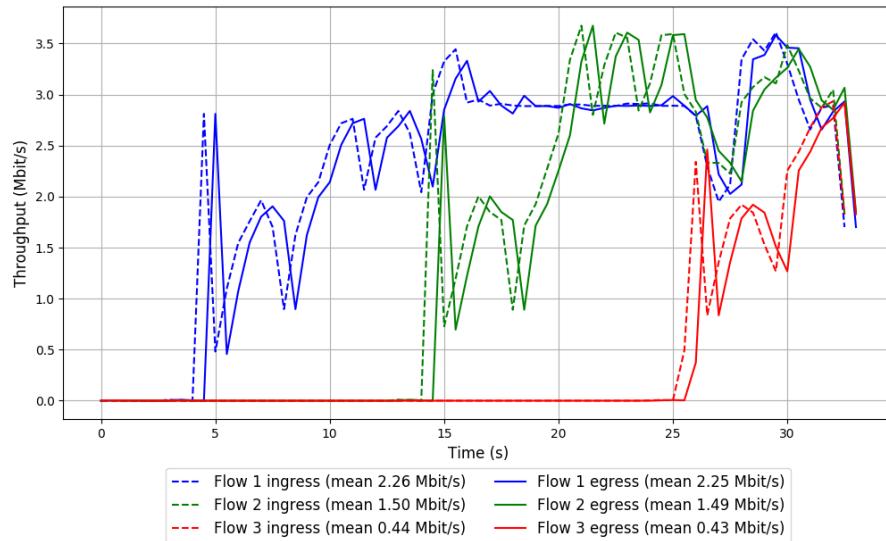


Run 3: Statistics of WebRTC media

```
Start at: 2018-09-25 09:11:14
End at: 2018-09-25 09:11:44
Local clock offset: 1.675 ms
Remote clock offset: -4.131 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 8.389 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 9.401 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 6.862 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 6.144 ms
Loss rate: 0.48%
```

Run 3: Report of WebRTC media — Data Link

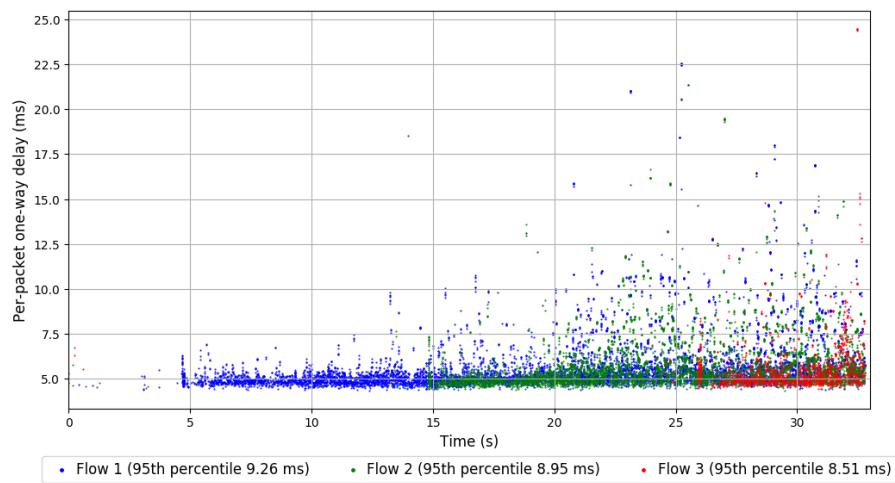
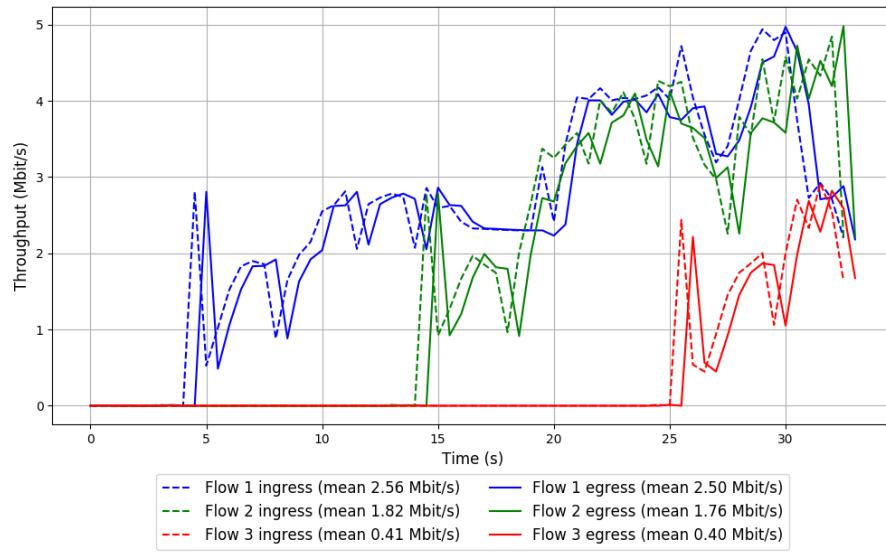


Run 4: Statistics of WebRTC media

```
Start at: 2018-09-25 09:33:37
End at: 2018-09-25 09:34:07
Local clock offset: 1.86 ms
Remote clock offset: -2.639 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 8.952 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 9.259 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 8.949 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 8.511 ms
Loss rate: 1.81%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2018-09-25 09:56:01
End at: 2018-09-25 09:56:31
Local clock offset: 1.993 ms
Remote clock offset: -2.205 ms

# Below is generated by plot.py at 2018-09-25 10:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 10.839 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 9.054 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 12.028 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 10.276 ms
Loss rate: 2.79%
```

Run 5: Report of WebRTC media — Data Link

