

Pantheon Report

Generated at 2018-09-25 11:48:13 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

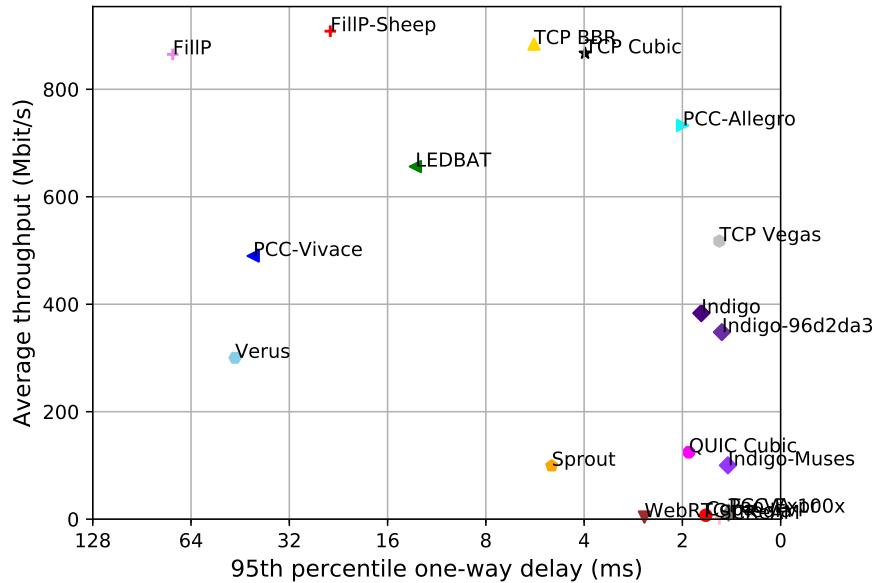
```
Linux 4.15.0-1021-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
net.ipv4.tcp_mem = 184101 245469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

Git summary:

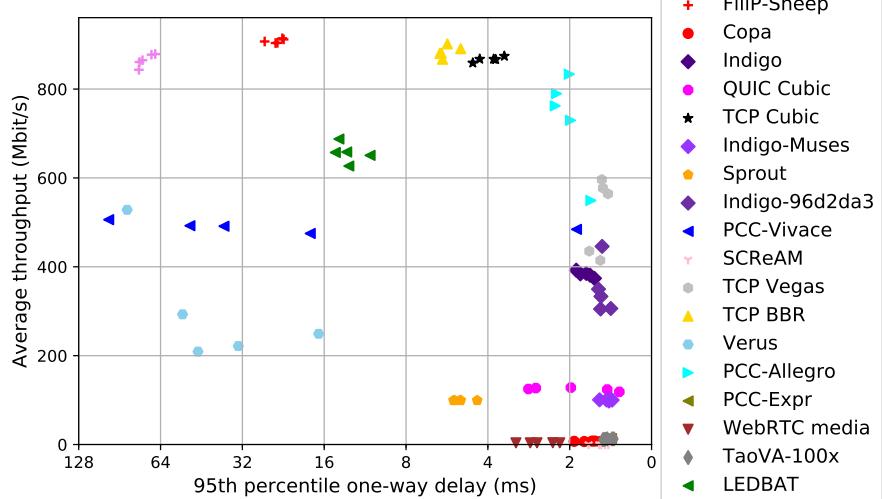
```
branch: muses @ 90192f6b64ce1a1191dcca0e9ff9ee24950674d7
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 California 1 to Stanford, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



↳

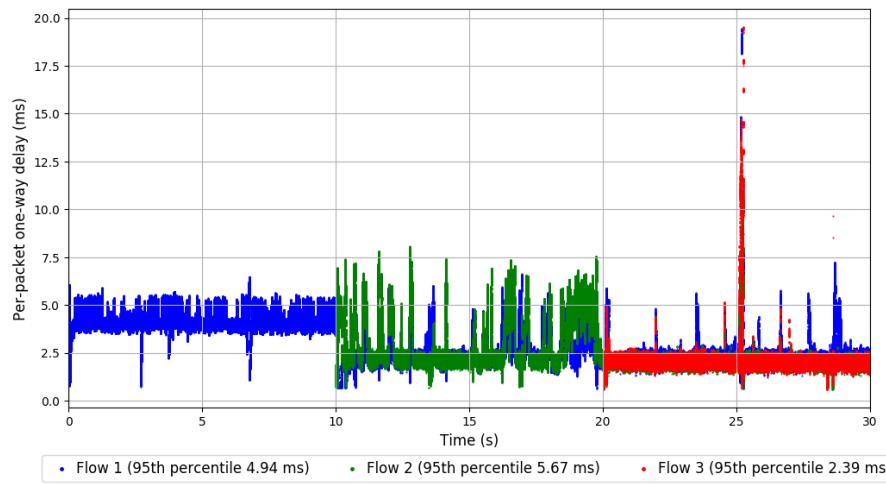
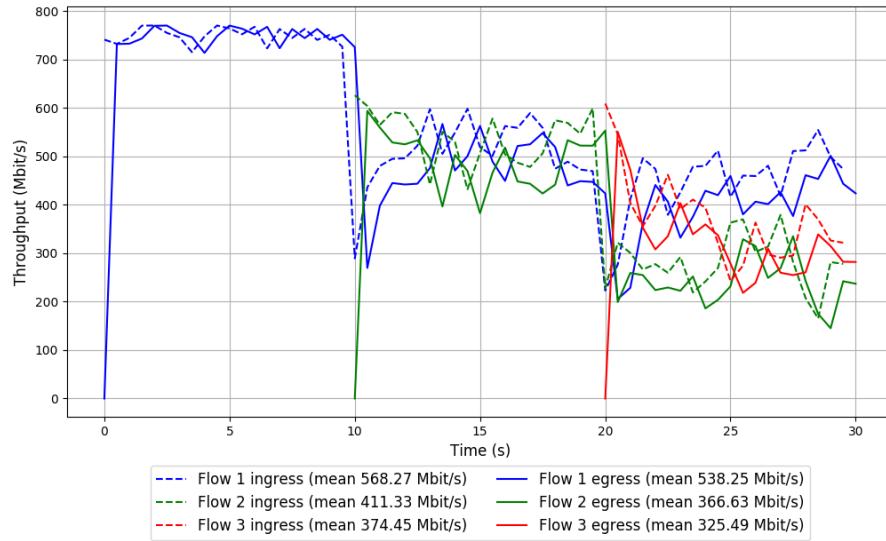
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	523.13	392.74	298.71	5.55	6.21	2.80	5.06	9.87	13.47
Copa	5	0.00	8.37	5.56	1.12	1.51	1.58	98.80	50.51	50.00
TCP Cubic	5	509.60	384.80	303.73	4.46	2.06	2.07	0.06	0.07	0.11
FillP	5	593.21	301.49	214.98	73.05	23.12	18.51	10.74	15.41	15.43
FillP-Sheep	5	517.11	426.57	324.14	24.11	20.32	26.54	14.38	22.75	26.83
Indigo	5	197.89	190.46	182.55	1.48	1.59	1.87	0.00	0.00	0.00
Indigo-96d2da3	5	180.83	152.24	200.04	1.20	1.10	1.20	0.01	0.00	0.01
LEDBAT	5	379.76	279.26	287.71	13.96	7.10	6.18	0.15	0.28	0.33
Indigo-Muses	5	49.92	50.19	51.35	1.08	1.07	1.02	0.00	0.00	0.00
PCC-Allegro	5	535.25	279.79	35.29	1.96	1.77	1.77	0.11	0.12	0.23
PCC-Expr	5	7.73	5.48	5.42	1.07	1.02	0.99	95.07	97.72	98.92
QUIC Cubic	5	67.32	61.88	48.99	0.99	2.46	5.17	0.00	0.00	0.00
SCReAM	5	0.22	0.22	0.22	1.27	1.23	1.20	0.00	0.00	0.00
Sprout	5	49.91	49.82	49.36	4.94	5.02	5.27	0.07	0.07	0.26
TaoVA-100x	5	5.75	7.84	5.43	1.09	1.01	1.00	64.82	60.19	71.20
TCP Vegas	5	240.88	252.19	326.57	1.26	1.21	1.24	0.00	0.01	0.01
Verus	5	184.20	113.05	123.59	29.70	43.42	61.87	3.16	5.92	5.81
PCC-Vivace	5	268.70	253.52	159.09	19.44	38.19	38.56	0.11	0.17	1.05
WebRTC media	5	1.98	1.37	0.50	2.54	2.38	3.12	0.00	0.00	0.06

Run 1: Statistics of TCP BBR

```
Start at: 2018-09-25 08:33:03
End at: 2018-09-25 08:33:33
Local clock offset: -0.076 ms
Remote clock offset: -2.737 ms

# Below is generated by plot.py at 2018-09-25 10:58:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 890.89 Mbit/s
95th percentile per-packet one-way delay: 5.037 ms
Loss rate: 7.87%
-- Flow 1:
Average throughput: 538.25 Mbit/s
95th percentile per-packet one-way delay: 4.941 ms
Loss rate: 5.28%
-- Flow 2:
Average throughput: 366.63 Mbit/s
95th percentile per-packet one-way delay: 5.667 ms
Loss rate: 10.86%
-- Flow 3:
Average throughput: 325.49 Mbit/s
95th percentile per-packet one-way delay: 2.388 ms
Loss rate: 13.08%
```

Run 1: Report of TCP BBR — Data Link

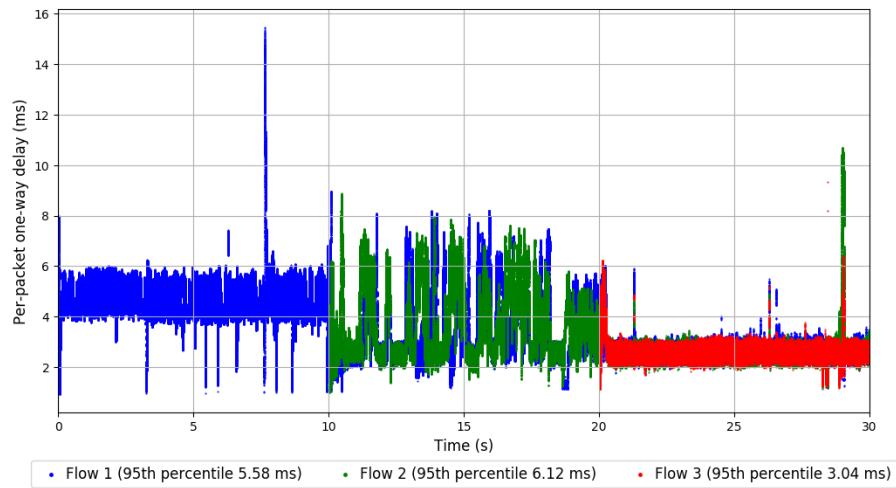
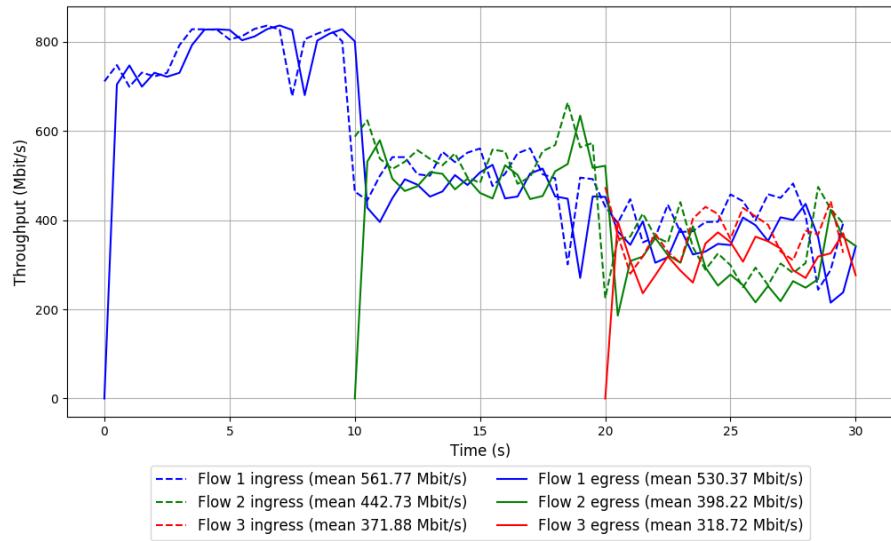


Run 2: Statistics of TCP BBR

```
Start at: 2018-09-25 09:02:43
End at: 2018-09-25 09:03:13
Local clock offset: 0.162 ms
Remote clock offset: 1.41 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 901.74 Mbit/s
95th percentile per-packet one-way delay: 5.635 ms
Loss rate: 8.03%
-- Flow 1:
Average throughput: 530.37 Mbit/s
95th percentile per-packet one-way delay: 5.581 ms
Loss rate: 5.58%
-- Flow 2:
Average throughput: 398.22 Mbit/s
95th percentile per-packet one-way delay: 6.122 ms
Loss rate: 10.04%
-- Flow 3:
Average throughput: 318.72 Mbit/s
95th percentile per-packet one-way delay: 3.041 ms
Loss rate: 14.30%
```

Run 2: Report of TCP BBR — Data Link

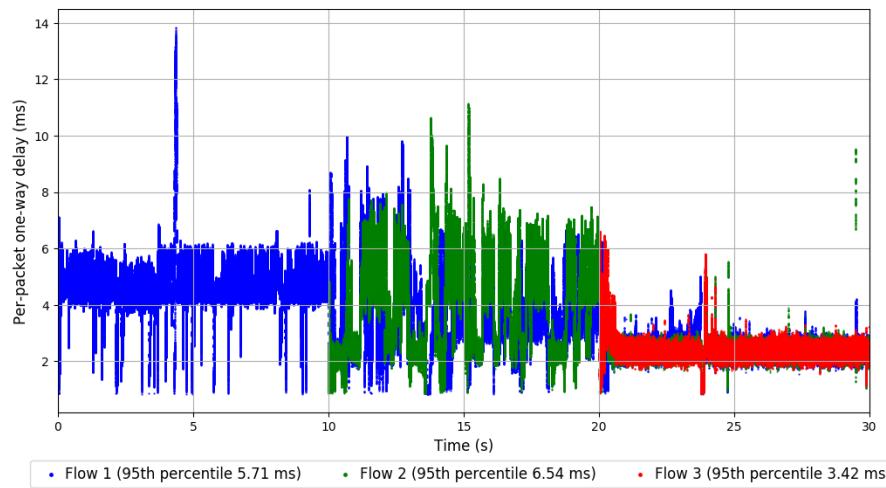
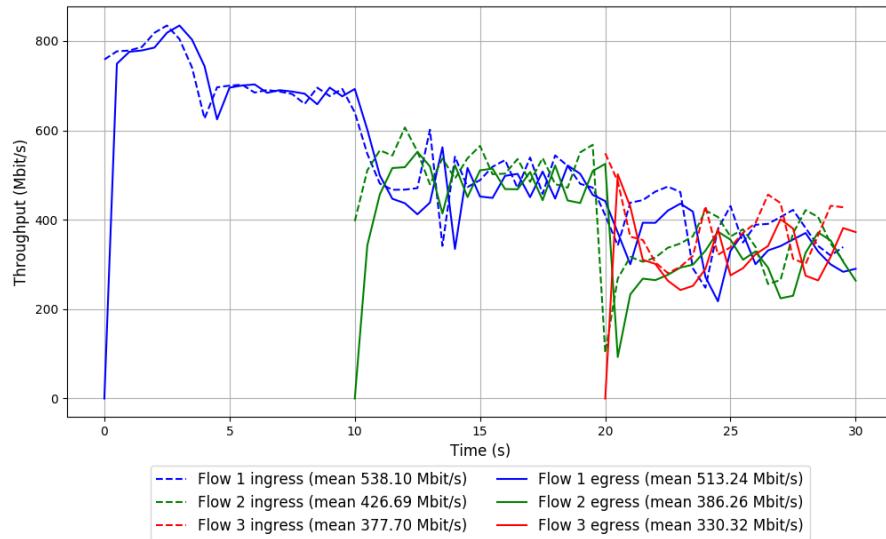


Run 3: Statistics of TCP BBR

```
Start at: 2018-09-25 09:32:10
End at: 2018-09-25 09:32:40
Local clock offset: 0.252 ms
Remote clock offset: -2.843 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 880.53 Mbit/s
95th percentile per-packet one-way delay: 5.936 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 513.24 Mbit/s
95th percentile per-packet one-way delay: 5.712 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 386.26 Mbit/s
95th percentile per-packet one-way delay: 6.539 ms
Loss rate: 9.47%
-- Flow 3:
Average throughput: 330.32 Mbit/s
95th percentile per-packet one-way delay: 3.422 ms
Loss rate: 12.53%
```

Run 3: Report of TCP BBR — Data Link

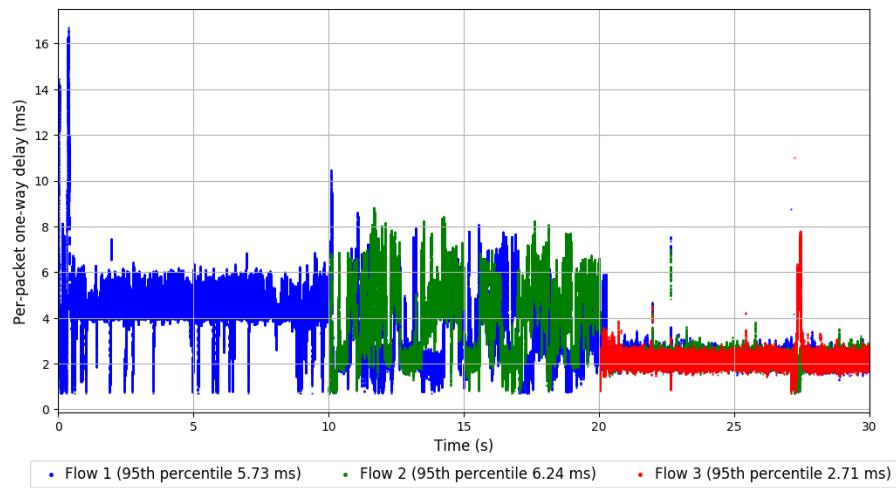
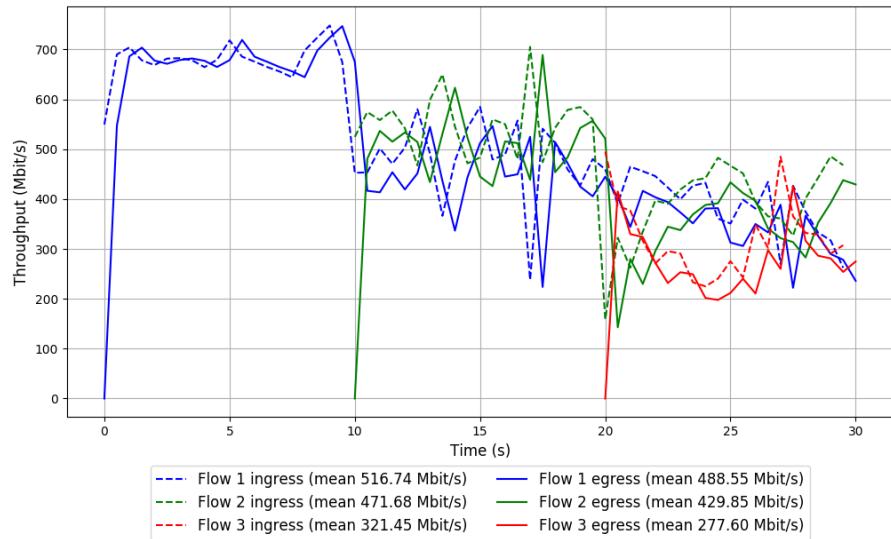


Run 4: Statistics of TCP BBR

```
Start at: 2018-09-25 10:01:38
End at: 2018-09-25 10:02:08
Local clock offset: 0.235 ms
Remote clock offset: 0.915 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 867.18 Mbit/s
95th percentile per-packet one-way delay: 5.874 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 488.55 Mbit/s
95th percentile per-packet one-way delay: 5.726 ms
Loss rate: 5.45%
-- Flow 2:
Average throughput: 429.85 Mbit/s
95th percentile per-packet one-way delay: 6.238 ms
Loss rate: 8.86%
-- Flow 3:
Average throughput: 277.60 Mbit/s
95th percentile per-packet one-way delay: 2.706 ms
Loss rate: 13.64%
```

Run 4: Report of TCP BBR — Data Link

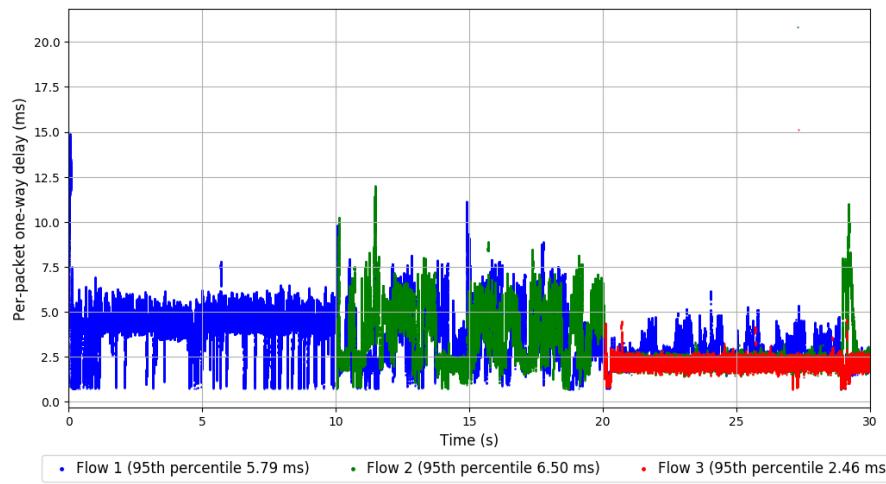
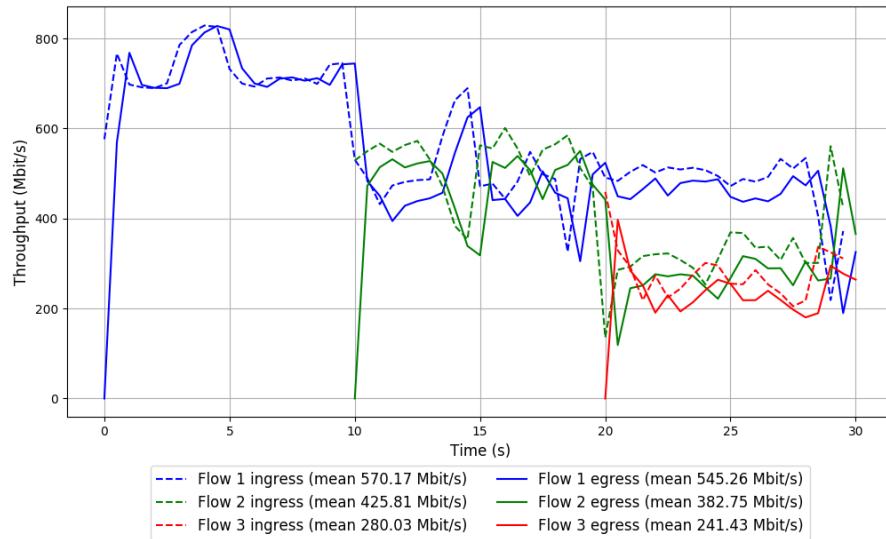


Run 5: Statistics of TCP BBR

```
Start at: 2018-09-25 10:31:07
End at: 2018-09-25 10:31:37
Local clock offset: -3.179 ms
Remote clock offset: 3.984 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 880.60 Mbit/s
95th percentile per-packet one-way delay: 6.002 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 545.26 Mbit/s
95th percentile per-packet one-way delay: 5.793 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 382.75 Mbit/s
95th percentile per-packet one-way delay: 6.498 ms
Loss rate: 10.11%
-- Flow 3:
Average throughput: 241.43 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 13.78%
```

Run 5: Report of TCP BBR — Data Link

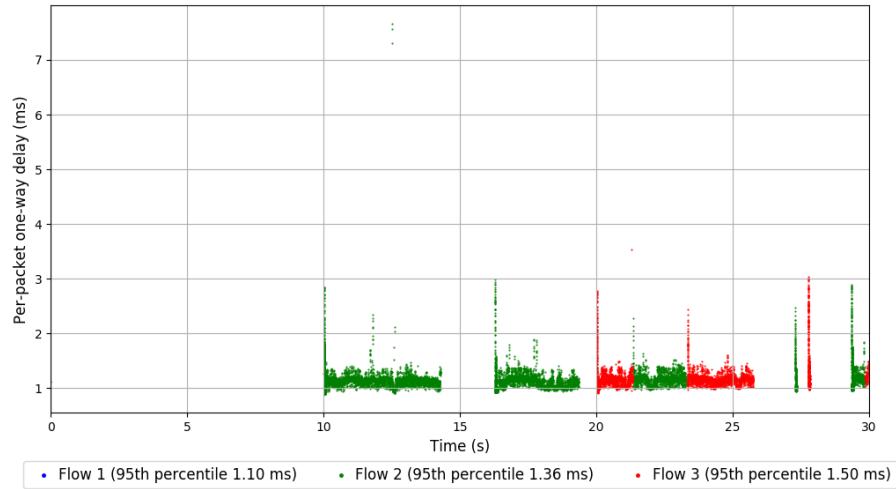
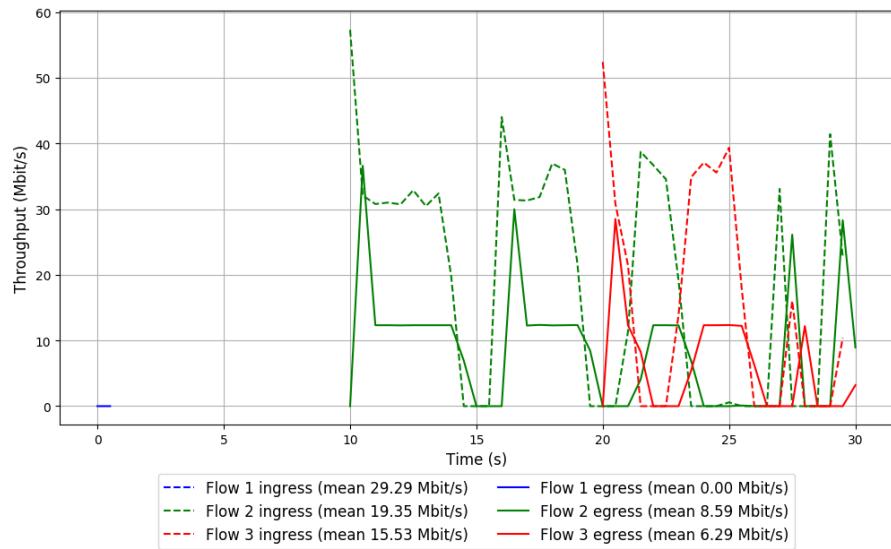


Run 1: Statistics of Copa

```
Start at: 2018-09-25 08:22:45
End at: 2018-09-25 08:23:15
Local clock offset: -0.922 ms
Remote clock offset: -6.803 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 56.75%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 55.63%
-- Flow 3:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 1.497 ms
Loss rate: 59.53%
```

Run 1: Report of Copa — Data Link

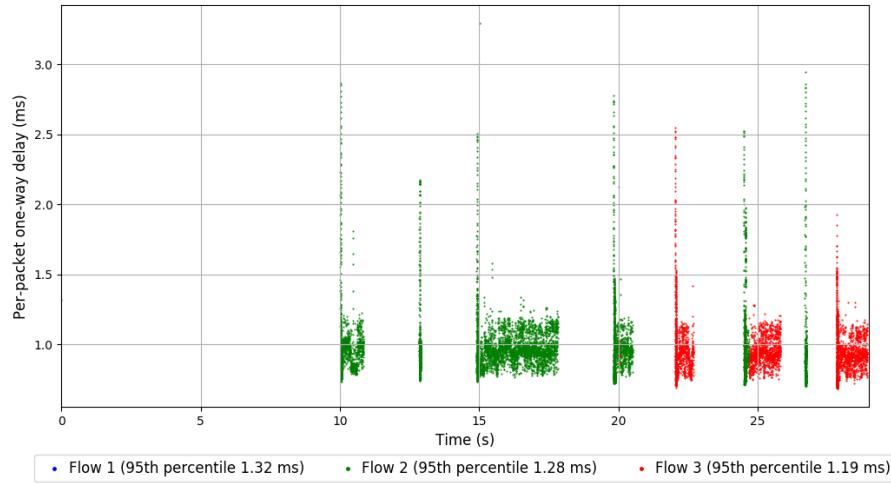
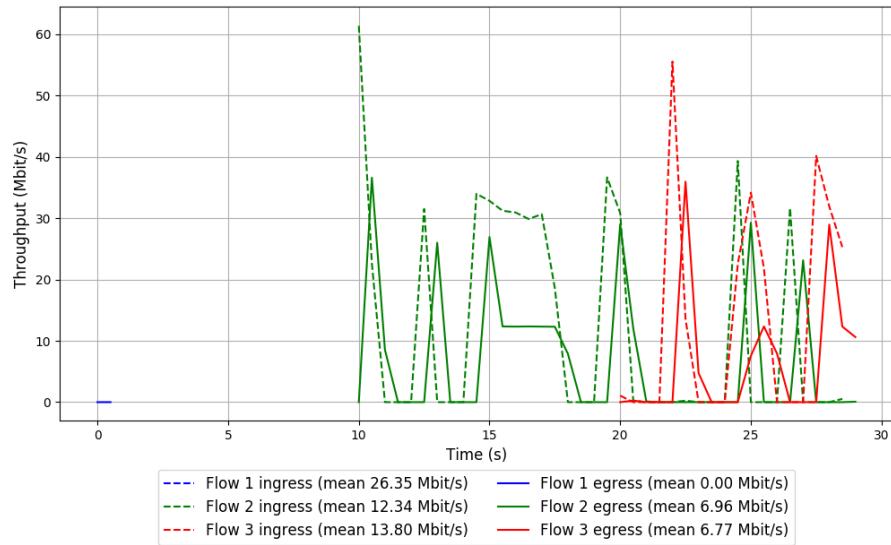


Run 2: Statistics of Copa

```
Start at: 2018-09-25 08:52:17
End at: 2018-09-25 08:52:47
Local clock offset: 0.168 ms
Remote clock offset: 1.646 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 46.16%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 43.59%
-- Flow 3:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 50.97%
```

Run 2: Report of Copa — Data Link

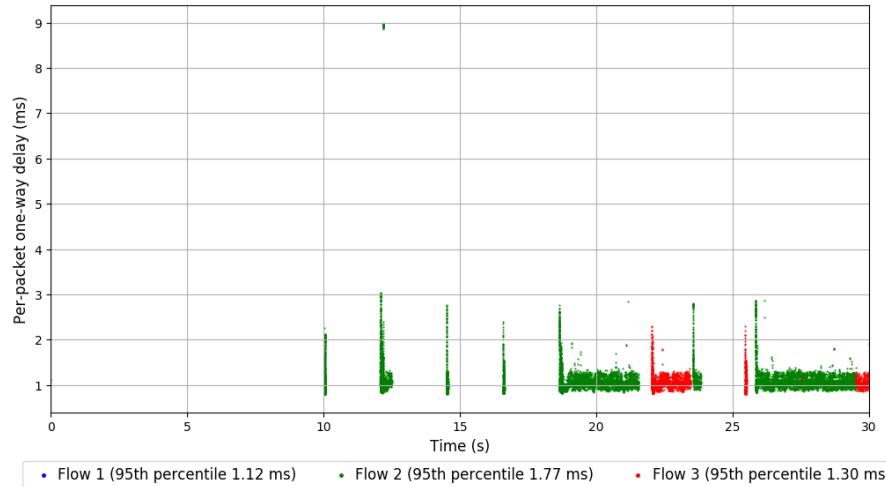
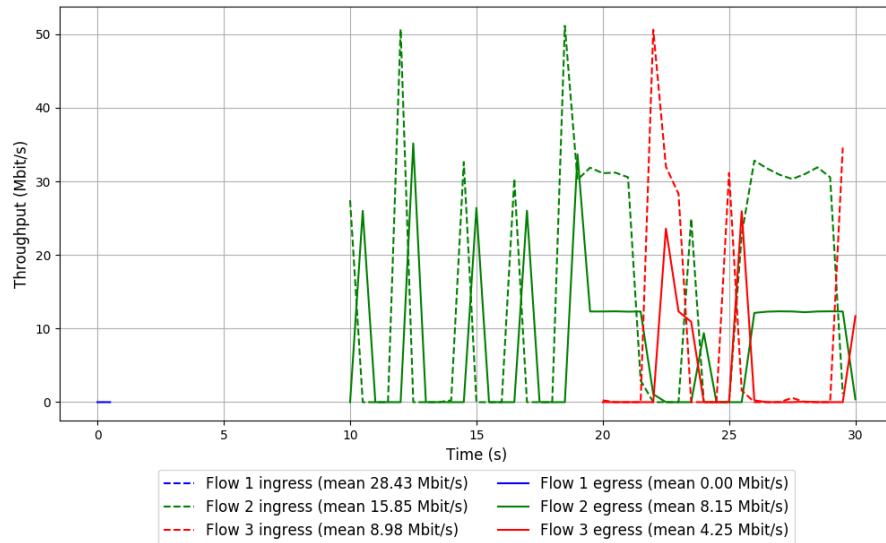


Run 3: Statistics of Copa

```
Start at: 2018-09-25 09:21:47
End at: 2018-09-25 09:22:17
Local clock offset: 0.269 ms
Remote clock offset: -2.572 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 1.644 ms
Loss rate: 49.51%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 1.769 ms
Loss rate: 48.59%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 52.65%
```

Run 3: Report of Copa — Data Link

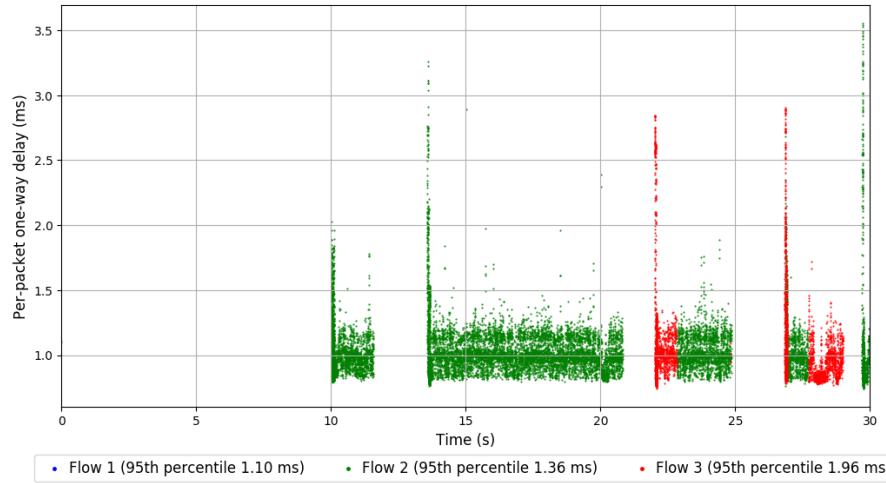
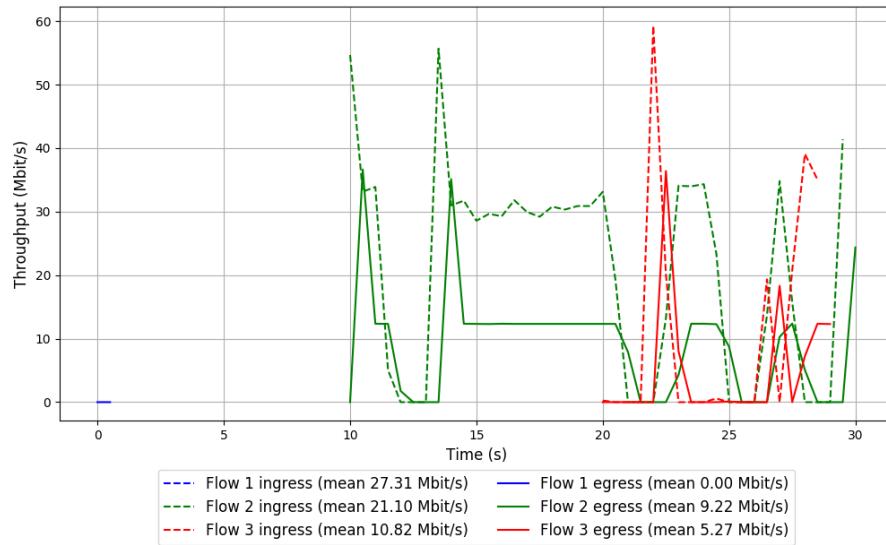


Run 4: Statistics of Copa

```
Start at: 2018-09-25 09:51:14
End at: 2018-09-25 09:51:44
Local clock offset: 0.288 ms
Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 1.451 ms
Loss rate: 55.38%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 1.358 ms
Loss rate: 56.32%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 1.964 ms
Loss rate: 51.29%
```

Run 4: Report of Copa — Data Link

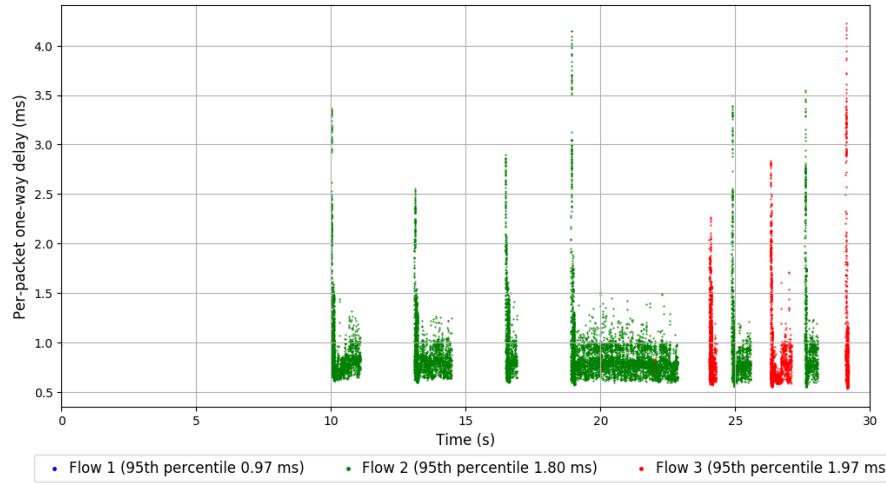
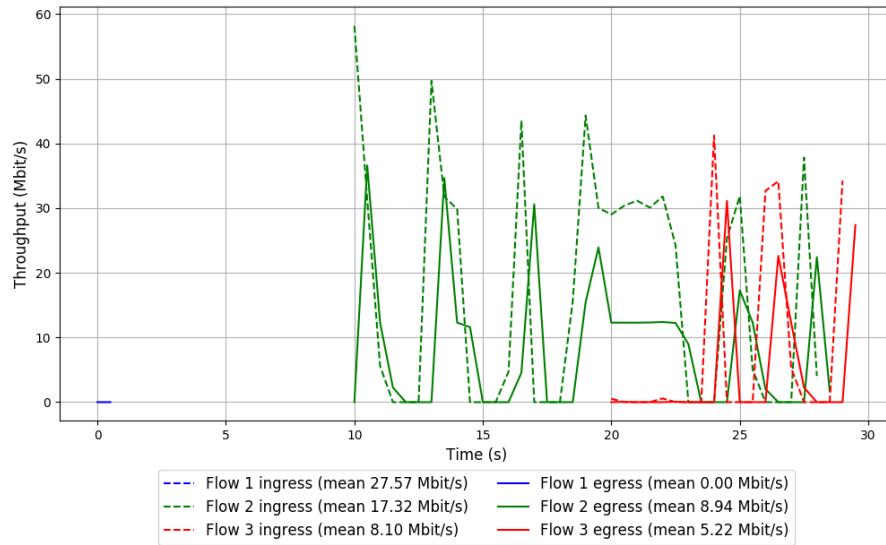


Run 5: Statistics of Copa

```
Start at: 2018-09-25 10:20:44
End at: 2018-09-25 10:21:14
Local clock offset: -2.226 ms
Remote clock offset: 3.023 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 1.892 ms
Loss rate: 45.95%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 98.80%
-- Flow 2:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 1.798 ms
Loss rate: 48.40%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 1.970 ms
Loss rate: 35.58%
```

Run 5: Report of Copa — Data Link

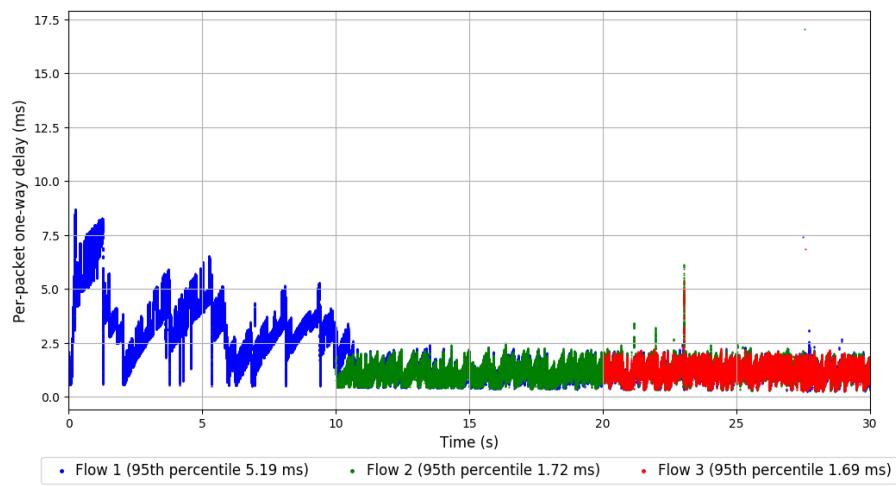
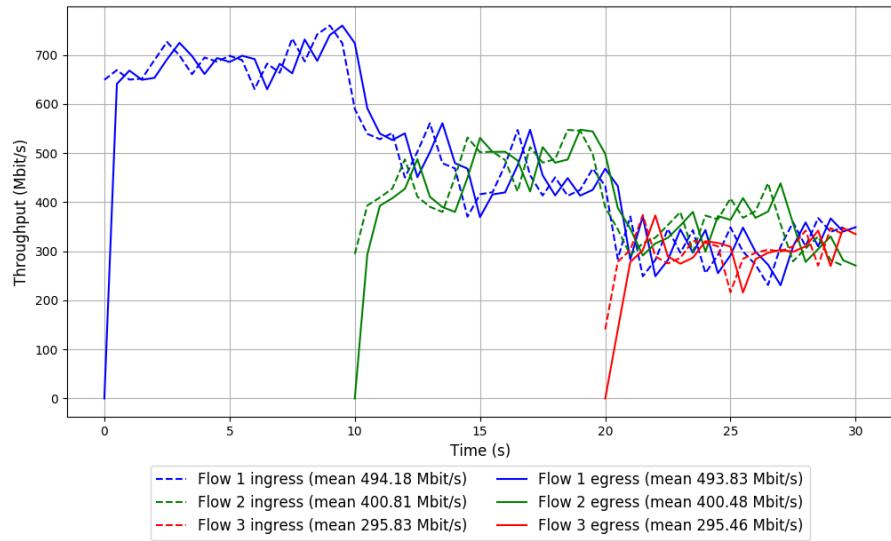


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-09-25 08:27:14
End at: 2018-09-25 08:27:44
Local clock offset: -0.431 ms
Remote clock offset: -6.462 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 858.94 Mbit/s
95th percentile per-packet one-way delay: 4.545 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 493.83 Mbit/s
95th percentile per-packet one-way delay: 5.193 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 400.48 Mbit/s
95th percentile per-packet one-way delay: 1.715 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 295.46 Mbit/s
95th percentile per-packet one-way delay: 1.687 ms
Loss rate: 0.12%
```

Run 1: Report of TCP Cubic — Data Link

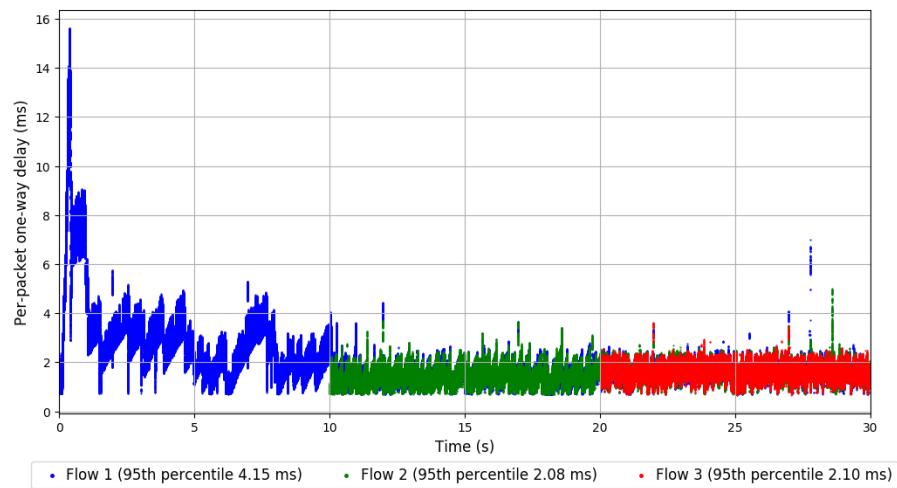
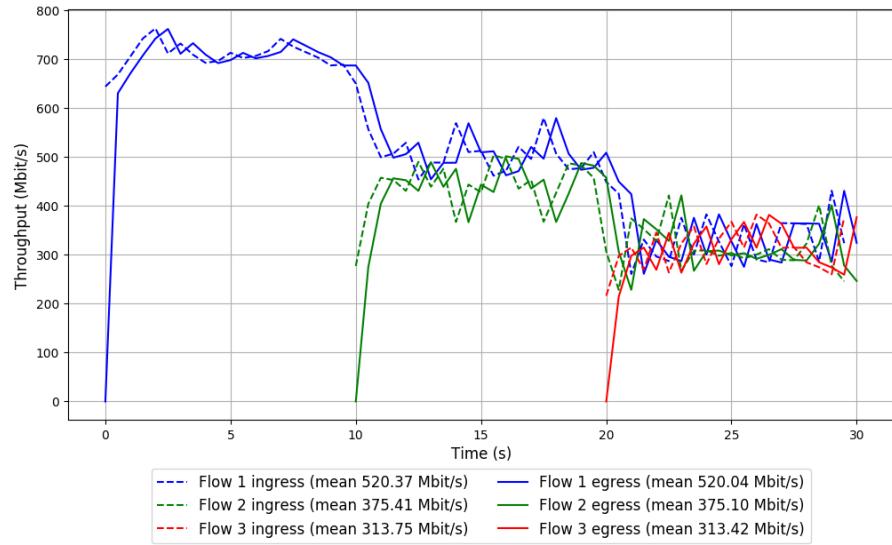


Run 2: Statistics of TCP Cubic

```
Start at: 2018-09-25 08:56:47
End at: 2018-09-25 08:57:17
Local clock offset: 0.178 ms
Remote clock offset: 2.156 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 874.20 Mbit/s
95th percentile per-packet one-way delay: 3.480 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 520.04 Mbit/s
95th percentile per-packet one-way delay: 4.148 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 375.10 Mbit/s
95th percentile per-packet one-way delay: 2.075 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 313.42 Mbit/s
95th percentile per-packet one-way delay: 2.095 ms
Loss rate: 0.11%
```

Run 2: Report of TCP Cubic — Data Link

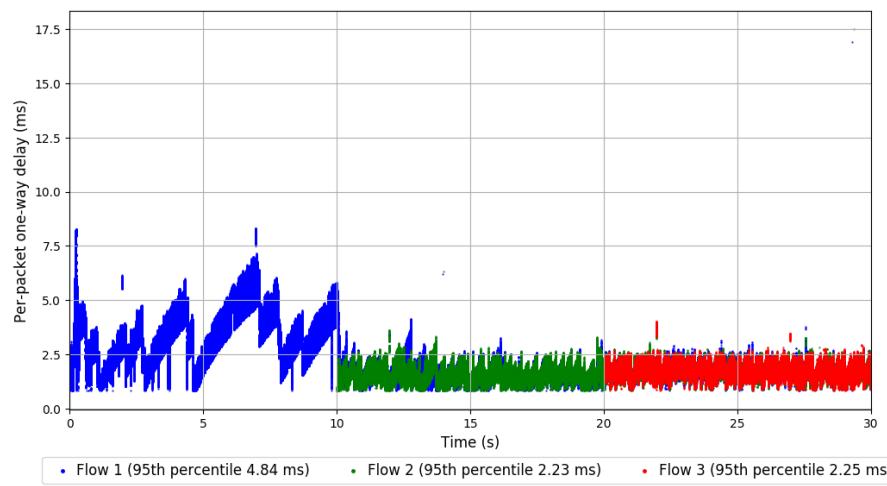
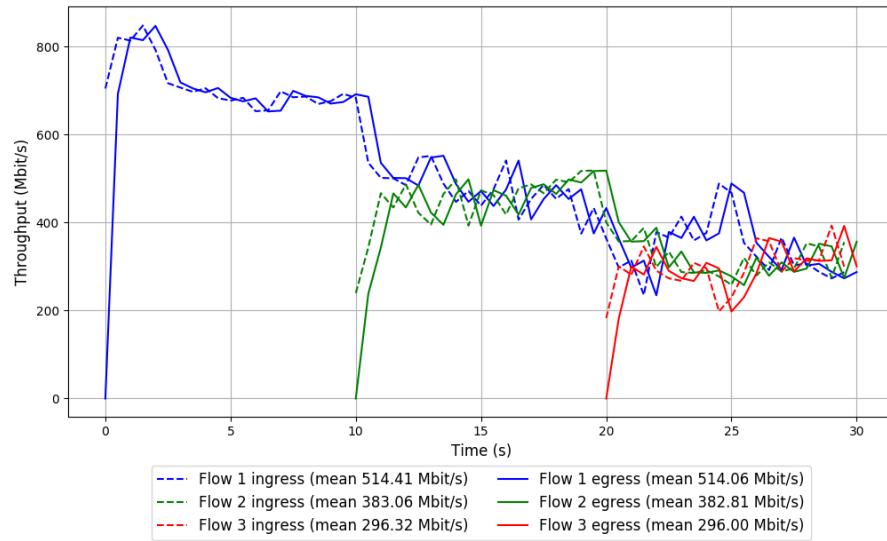


Run 3: Statistics of TCP Cubic

```
Start at: 2018-09-25 09:26:17
End at: 2018-09-25 09:26:47
Local clock offset: 0.26 ms
Remote clock offset: -2.726 ms

# Below is generated by plot.py at 2018-09-25 10:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 867.47 Mbit/s
95th percentile per-packet one-way delay: 4.287 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 514.06 Mbit/s
95th percentile per-packet one-way delay: 4.837 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 382.81 Mbit/s
95th percentile per-packet one-way delay: 2.229 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 296.00 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Cubic — Data Link

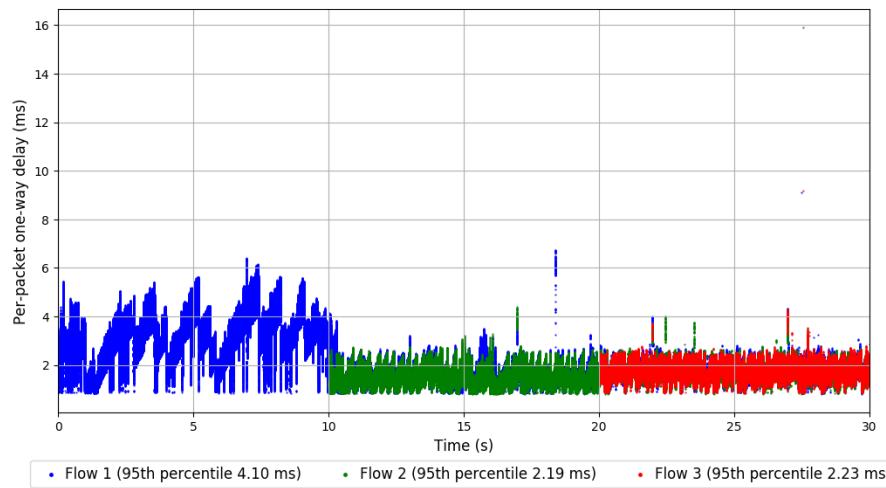
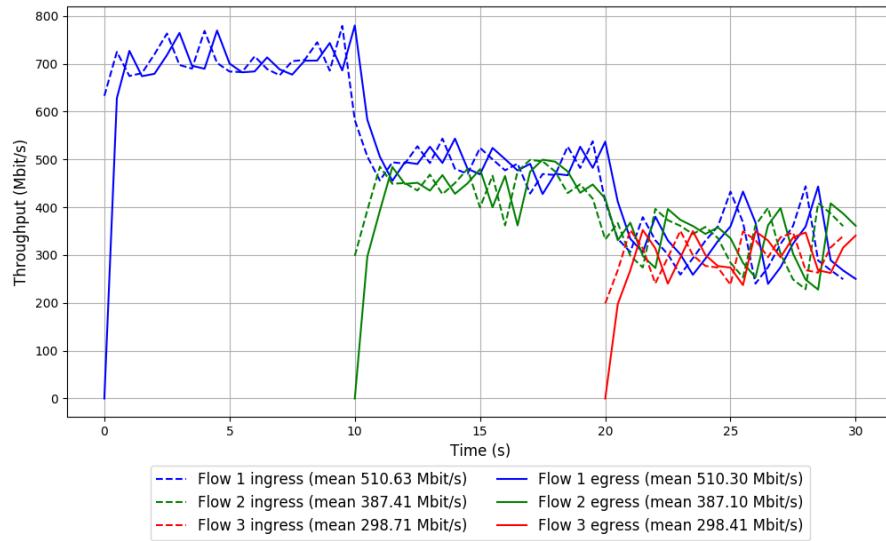


Run 4: Statistics of TCP Cubic

```
Start at: 2018-09-25 09:55:43
End at: 2018-09-25 09:56:13
Local clock offset: 0.26 ms
Remote clock offset: 0.681 ms

# Below is generated by plot.py at 2018-09-25 11:07:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 867.40 Mbit/s
95th percentile per-packet one-way delay: 3.810 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 510.30 Mbit/s
95th percentile per-packet one-way delay: 4.104 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 387.10 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 298.41 Mbit/s
95th percentile per-packet one-way delay: 2.231 ms
Loss rate: 0.09%
```

Run 4: Report of TCP Cubic — Data Link

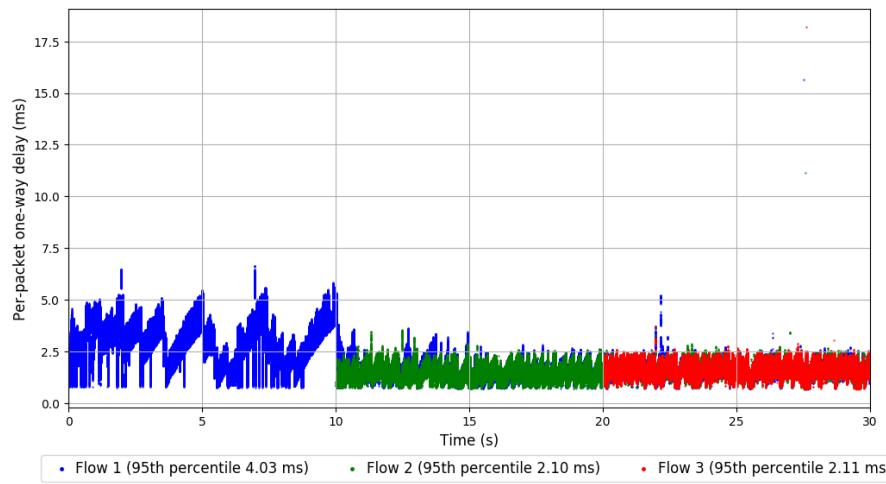
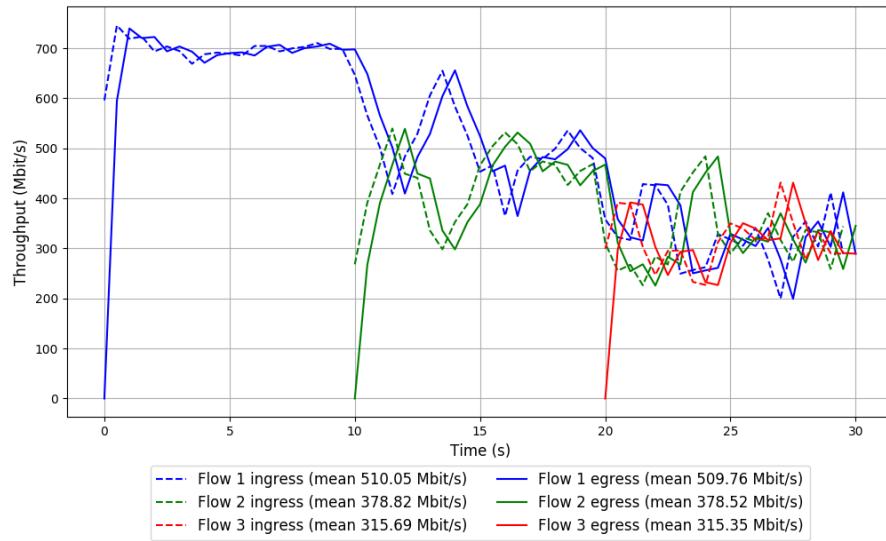


Run 5: Statistics of TCP Cubic

```
Start at: 2018-09-25 10:25:12
End at: 2018-09-25 10:25:42
Local clock offset: -2.731 ms
Remote clock offset: 3.537 ms

# Below is generated by plot.py at 2018-09-25 11:07:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 866.73 Mbit/s
95th percentile per-packet one-way delay: 3.745 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 509.76 Mbit/s
95th percentile per-packet one-way delay: 4.032 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 378.52 Mbit/s
95th percentile per-packet one-way delay: 2.099 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 315.35 Mbit/s
95th percentile per-packet one-way delay: 2.110 ms
Loss rate: 0.11%
```

Run 5: Report of TCP Cubic — Data Link

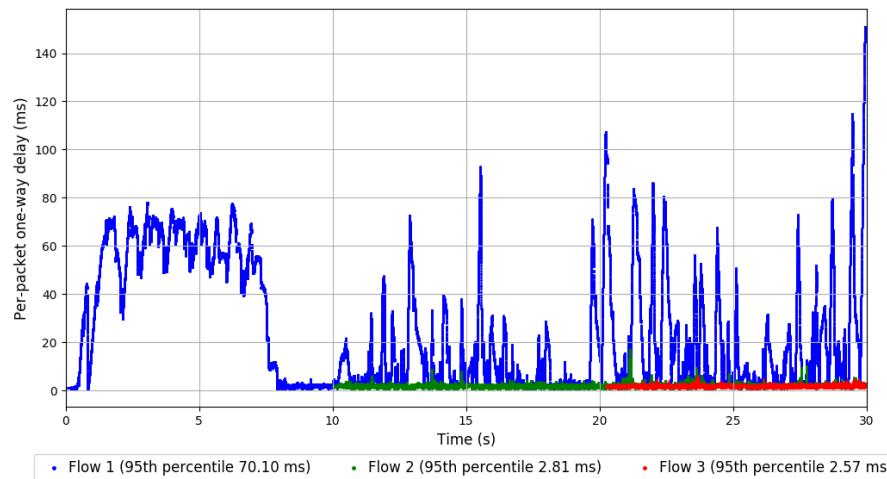
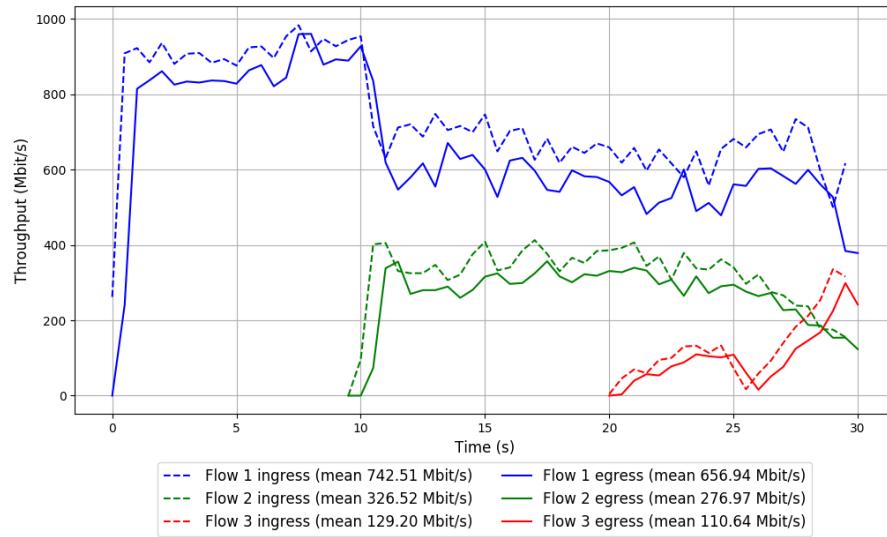


```
Run 1: Statistics of FillP

Start at: 2018-09-25 08:25:27
End at: 2018-09-25 08:25:57
Local clock offset: -0.577 ms
Remote clock offset: -6.887 ms

# Below is generated by plot.py at 2018-09-25 11:10:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 877.37 Mbit/s
95th percentile per-packet one-way delay: 69.117 ms
Loss rate: 12.51%
-- Flow 1:
Average throughput: 656.94 Mbit/s
95th percentile per-packet one-way delay: 70.101 ms
Loss rate: 11.52%
-- Flow 2:
Average throughput: 276.97 Mbit/s
95th percentile per-packet one-way delay: 2.813 ms
Loss rate: 15.17%
-- Flow 3:
Average throughput: 110.64 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 16.10%
```

Run 1: Report of FillP — Data Link

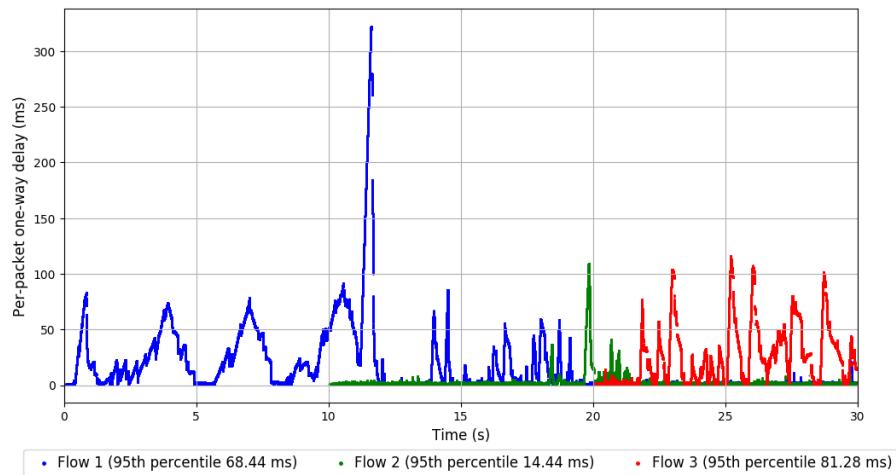
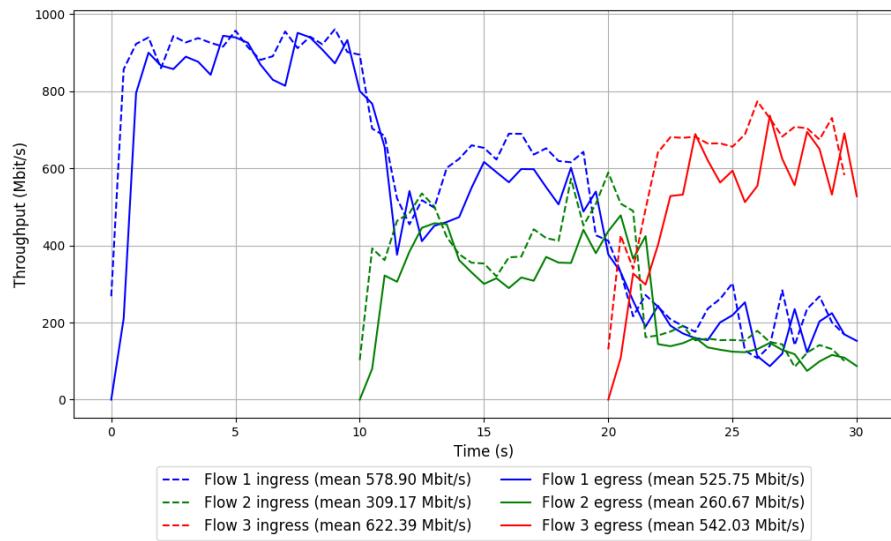


Run 2: Statistics of FillP

```
Start at: 2018-09-25 08:55:00
End at: 2018-09-25 08:55:30
Local clock offset: 0.18 ms
Remote clock offset: 1.955 ms

# Below is generated by plot.py at 2018-09-25 11:10:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 878.71 Mbit/s
95th percentile per-packet one-way delay: 66.947 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 525.75 Mbit/s
95th percentile per-packet one-way delay: 68.435 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 260.67 Mbit/s
95th percentile per-packet one-way delay: 14.441 ms
Loss rate: 15.69%
-- Flow 3:
Average throughput: 542.03 Mbit/s
95th percentile per-packet one-way delay: 81.284 ms
Loss rate: 12.90%
```

Run 2: Report of FillP — Data Link

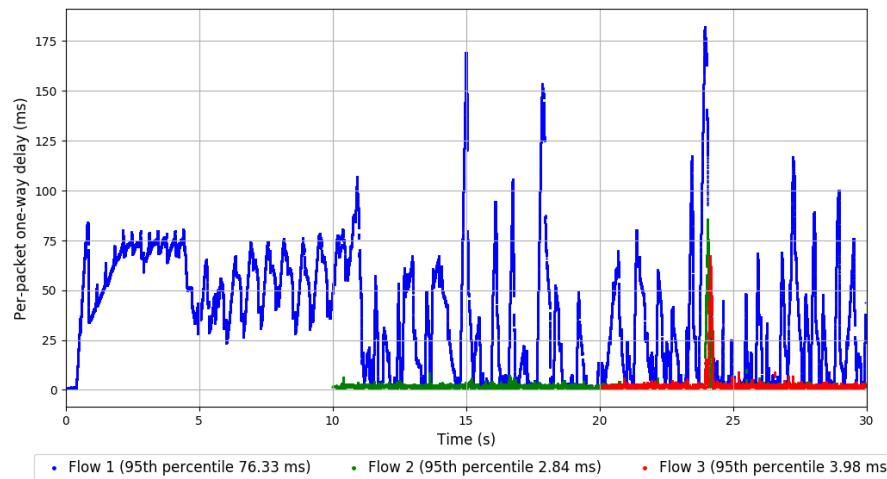
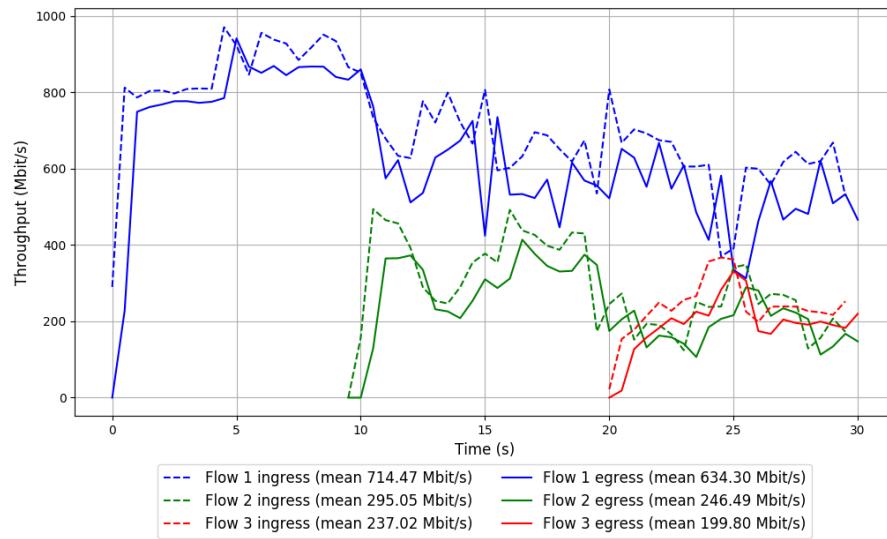


```
Run 3: Statistics of FillP
```

```
Start at: 2018-09-25 09:24:30
End at: 2018-09-25 09:25:00
Local clock offset: 0.266 ms
Remote clock offset: -2.717 ms

# Below is generated by plot.py at 2018-09-25 11:10:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 864.88 Mbit/s
95th percentile per-packet one-way delay: 74.578 ms
Loss rate: 12.60%
-- Flow 1:
Average throughput: 634.30 Mbit/s
95th percentile per-packet one-way delay: 76.333 ms
Loss rate: 11.20%
-- Flow 2:
Average throughput: 246.49 Mbit/s
95th percentile per-packet one-way delay: 2.841 ms
Loss rate: 16.45%
-- Flow 3:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 3.975 ms
Loss rate: 15.70%
```

Run 3: Report of FillP — Data Link

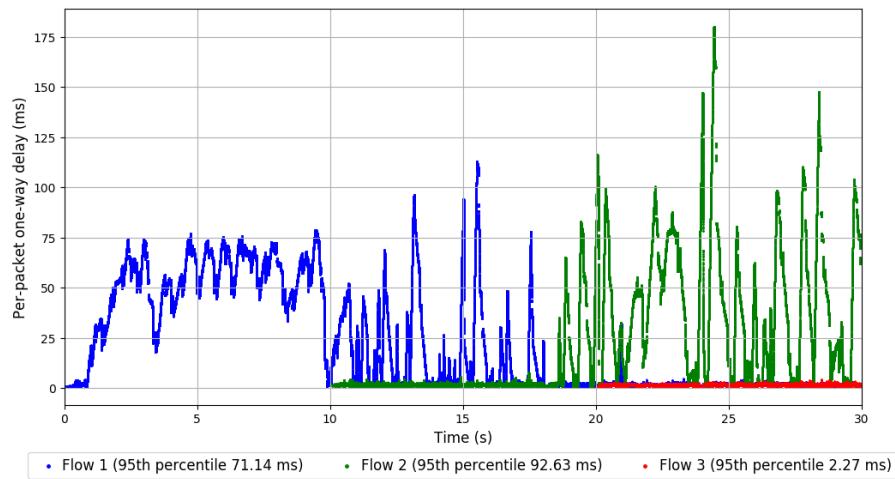
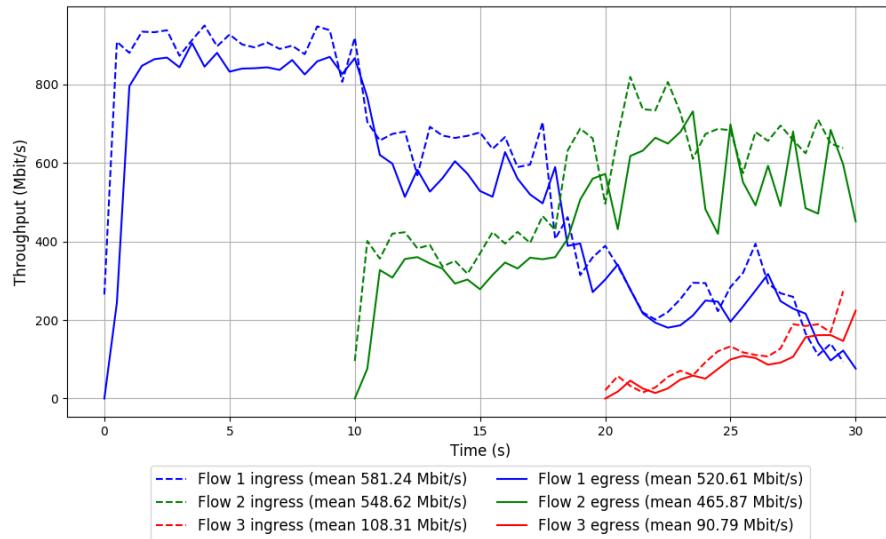


```
Run 4: Statistics of FillP
```

```
Start at: 2018-09-25 09:53:57
End at: 2018-09-25 09:54:27
Local clock offset: 0.27 ms
Remote clock offset: 0.396 ms

# Below is generated by plot.py at 2018-09-25 11:10:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 860.87 Mbit/s
95th percentile per-packet one-way delay: 76.488 ms
Loss rate: 12.37%
-- Flow 1:
Average throughput: 520.61 Mbit/s
95th percentile per-packet one-way delay: 71.141 ms
Loss rate: 10.43%
-- Flow 2:
Average throughput: 465.87 Mbit/s
95th percentile per-packet one-way delay: 92.626 ms
Loss rate: 15.08%
-- Flow 3:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 2.272 ms
Loss rate: 16.16%
```

Run 4: Report of FillP — Data Link

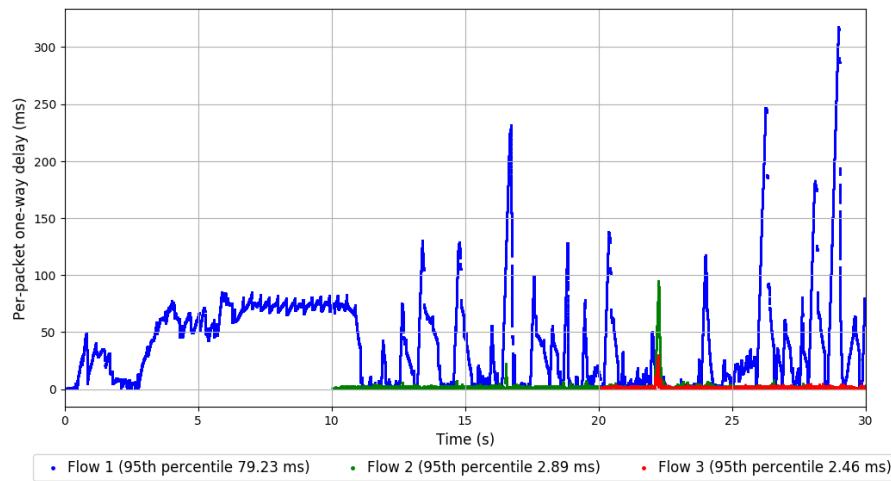
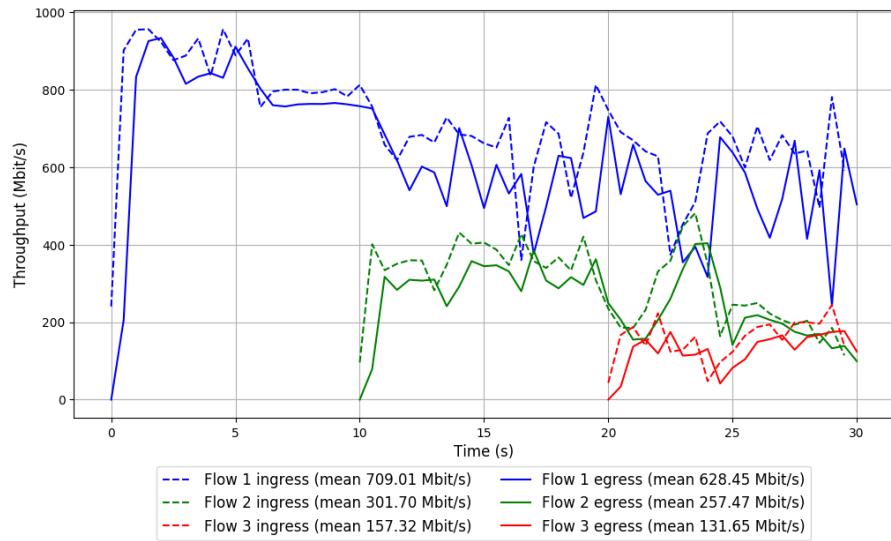


```
Run 5: Statistics of FillP

Start at: 2018-09-25 10:23:26
End at: 2018-09-25 10:23:56
Local clock offset: -2.515 ms
Remote clock offset: 3.337 ms

# Below is generated by plot.py at 2018-09-25 11:10:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 843.42 Mbit/s
95th percentile per-packet one-way delay: 76.877 ms
Loss rate: 12.31%
-- Flow 1:
Average throughput: 628.45 Mbit/s
95th percentile per-packet one-way delay: 79.234 ms
Loss rate: 11.36%
-- Flow 2:
Average throughput: 257.47 Mbit/s
95th percentile per-packet one-way delay: 2.889 ms
Loss rate: 14.65%
-- Flow 3:
Average throughput: 131.65 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 16.31%
```

Run 5: Report of FillP — Data Link

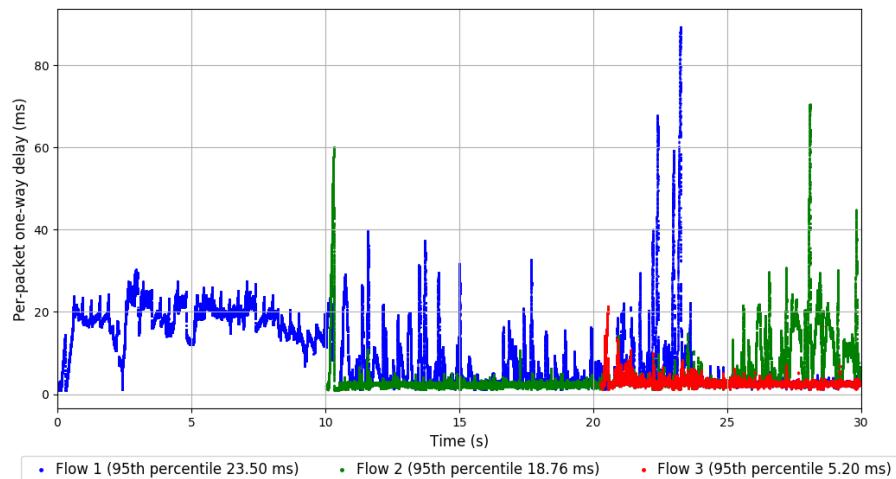
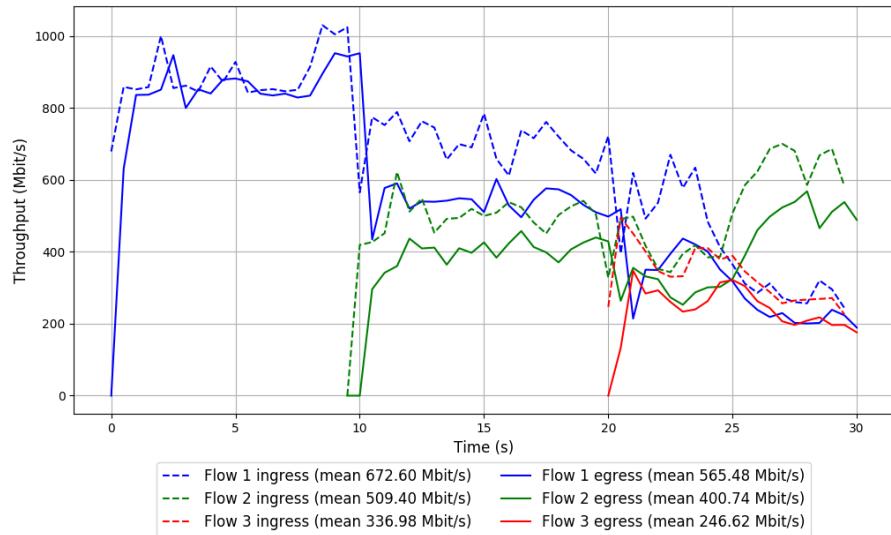


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2018-09-25 08:12:46
End at: 2018-09-25 08:13:16
Local clock offset: -3.828 ms
Remote clock offset: -6.359 ms

# Below is generated by plot.py at 2018-09-25 11:12:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 914.26 Mbit/s
95th percentile per-packet one-way delay: 22.813 ms
Loss rate: 18.64%
-- Flow 1:
Average throughput: 565.48 Mbit/s
95th percentile per-packet one-way delay: 23.496 ms
Loss rate: 15.92%
-- Flow 2:
Average throughput: 400.74 Mbit/s
95th percentile per-packet one-way delay: 18.762 ms
Loss rate: 21.32%
-- Flow 3:
Average throughput: 246.62 Mbit/s
95th percentile per-packet one-way delay: 5.202 ms
Loss rate: 26.81%
```

Run 1: Report of FillP-Sheep — Data Link

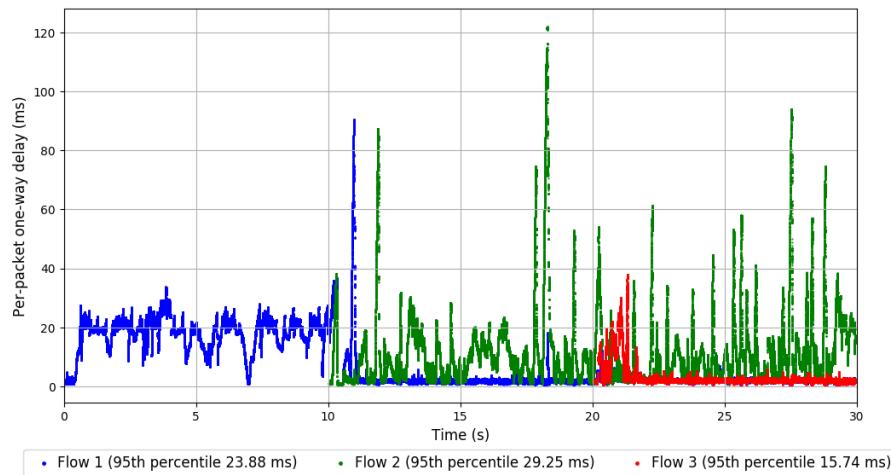
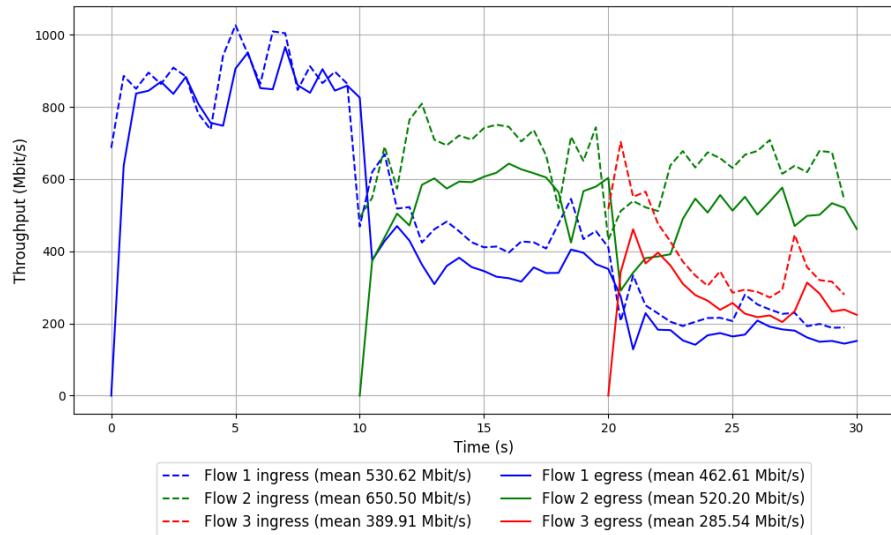


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-09-25 08:42:00
End at: 2018-09-25 08:42:30
Local clock offset: 0.081 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-09-25 11:22:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 903.55 Mbit/s
95th percentile per-packet one-way delay: 24.164 ms
Loss rate: 17.32%
-- Flow 1:
Average throughput: 462.61 Mbit/s
95th percentile per-packet one-way delay: 23.878 ms
Loss rate: 12.82%
-- Flow 2:
Average throughput: 520.20 Mbit/s
95th percentile per-packet one-way delay: 29.246 ms
Loss rate: 20.02%
-- Flow 3:
Average throughput: 285.54 Mbit/s
95th percentile per-packet one-way delay: 15.738 ms
Loss rate: 26.77%
```

Run 2: Report of FillP-Sheep — Data Link

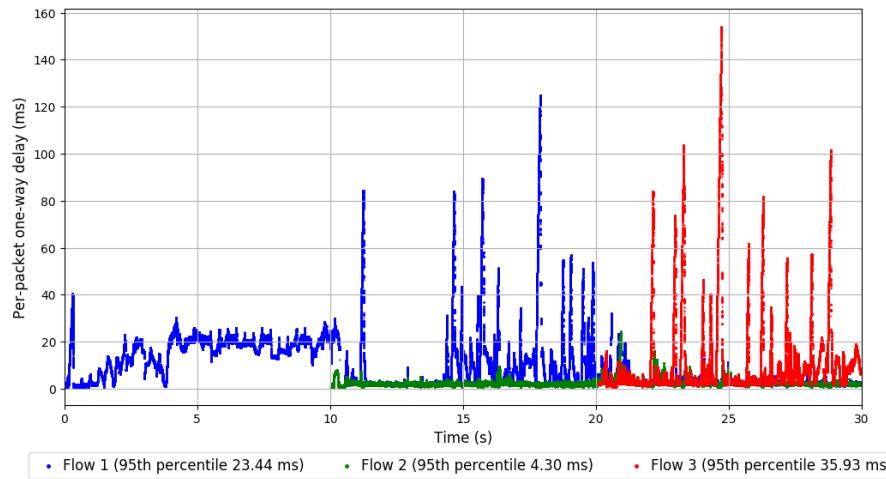
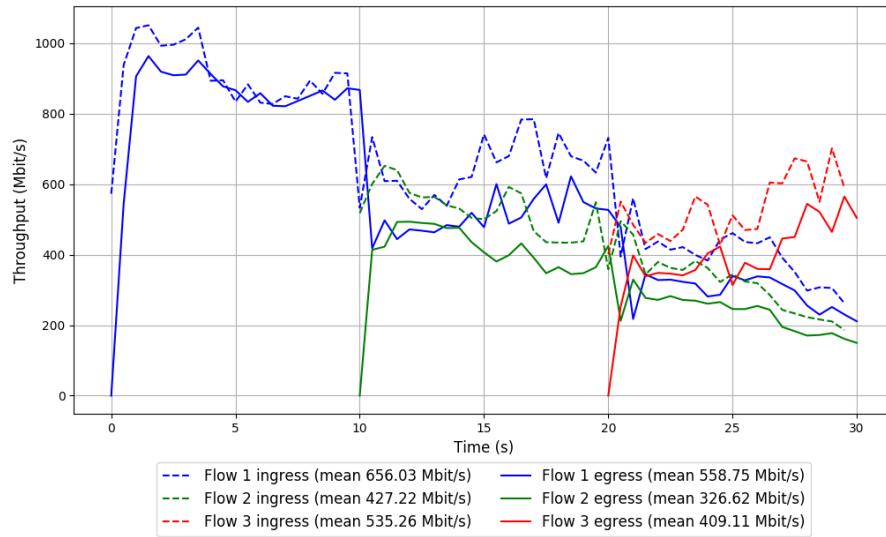


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:11:47
End at: 2018-09-25 09:12:17
Local clock offset: 0.186 ms
Remote clock offset: -1.533 ms

# Below is generated by plot.py at 2018-09-25 11:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 911.76 Mbit/s
95th percentile per-packet one-way delay: 22.564 ms
Loss rate: 18.43%
-- Flow 1:
Average throughput: 558.75 Mbit/s
95th percentile per-packet one-way delay: 23.437 ms
Loss rate: 14.83%
-- Flow 2:
Average throughput: 326.62 Mbit/s
95th percentile per-packet one-way delay: 4.296 ms
Loss rate: 23.54%
-- Flow 3:
Average throughput: 409.11 Mbit/s
95th percentile per-packet one-way delay: 35.929 ms
Loss rate: 23.56%
```

Run 3: Report of FillP-Sheep — Data Link

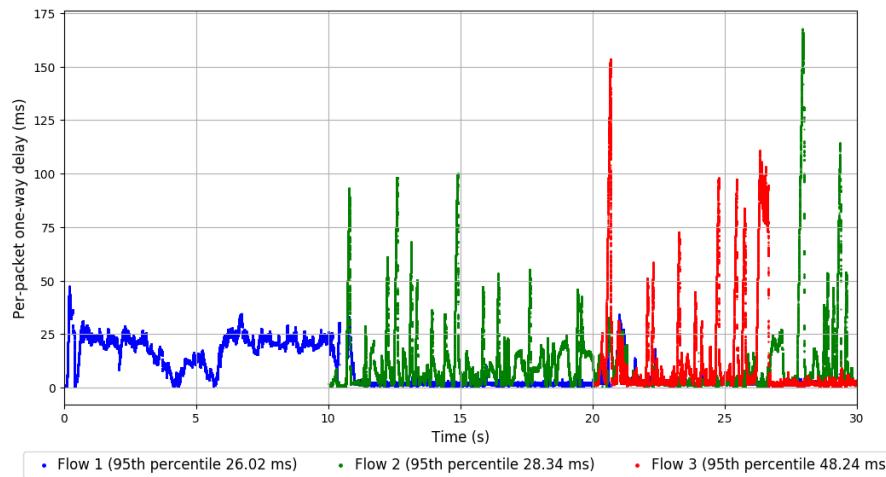
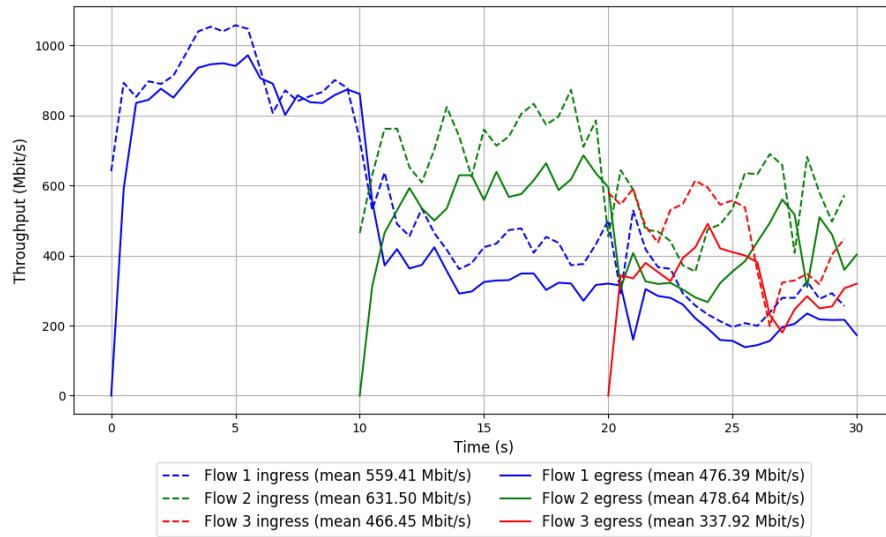


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-09-25 09:41:12
End at: 2018-09-25 09:41:42
Local clock offset: 0.248 ms
Remote clock offset: -1.196 ms

# Below is generated by plot.py at 2018-09-25 11:24:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.10 Mbit/s
95th percentile per-packet one-way delay: 26.492 ms
Loss rate: 20.04%
-- Flow 1:
Average throughput: 476.39 Mbit/s
95th percentile per-packet one-way delay: 26.017 ms
Loss rate: 14.84%
-- Flow 2:
Average throughput: 478.64 Mbit/s
95th percentile per-packet one-way delay: 28.345 ms
Loss rate: 24.20%
-- Flow 3:
Average throughput: 337.92 Mbit/s
95th percentile per-packet one-way delay: 48.239 ms
Loss rate: 27.55%
```

Run 4: Report of FillP-Sheep — Data Link

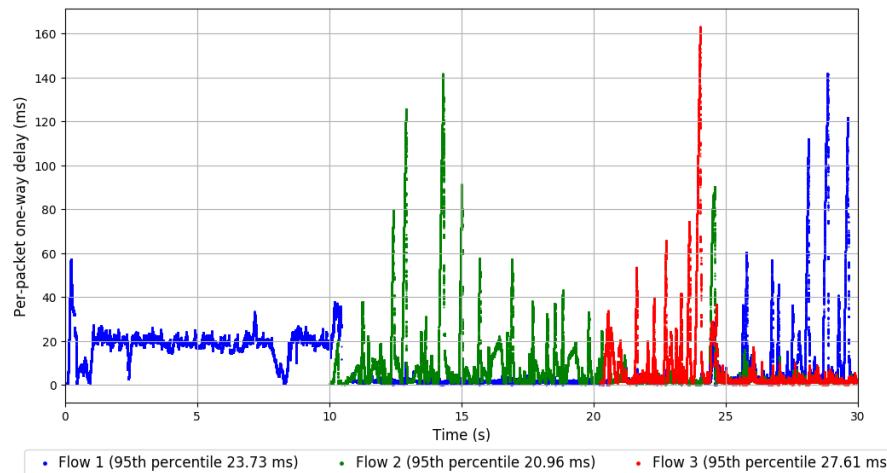
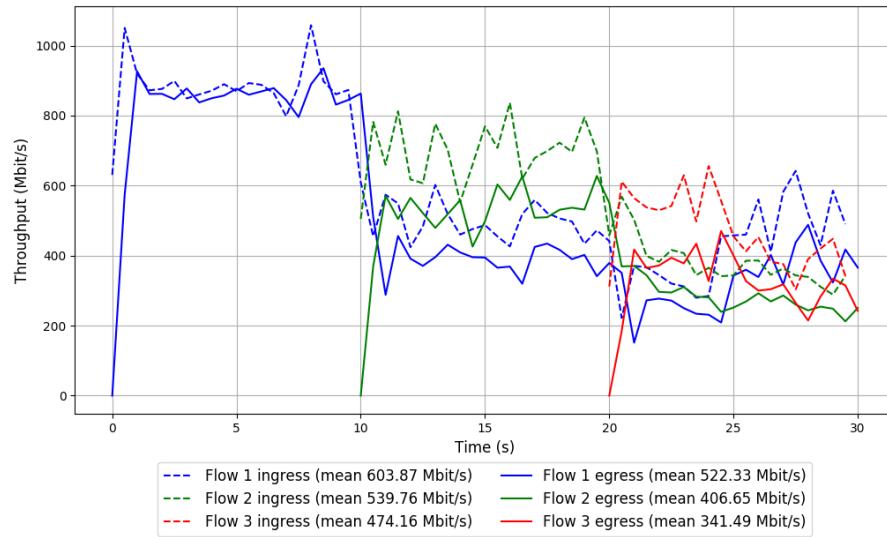


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-09-25 10:10:41
End at: 2018-09-25 10:11:11
Local clock offset: -0.129 ms
Remote clock offset: 1.592 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 904.02 Mbit/s
95th percentile per-packet one-way delay: 23.782 ms
Loss rate: 19.31%
-- Flow 1:
Average throughput: 522.33 Mbit/s
95th percentile per-packet one-way delay: 23.729 ms
Loss rate: 13.50%
-- Flow 2:
Average throughput: 406.65 Mbit/s
95th percentile per-packet one-way delay: 20.965 ms
Loss rate: 24.66%
-- Flow 3:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 27.614 ms
Loss rate: 29.44%
```

Run 5: Report of FillP-Sheep — Data Link

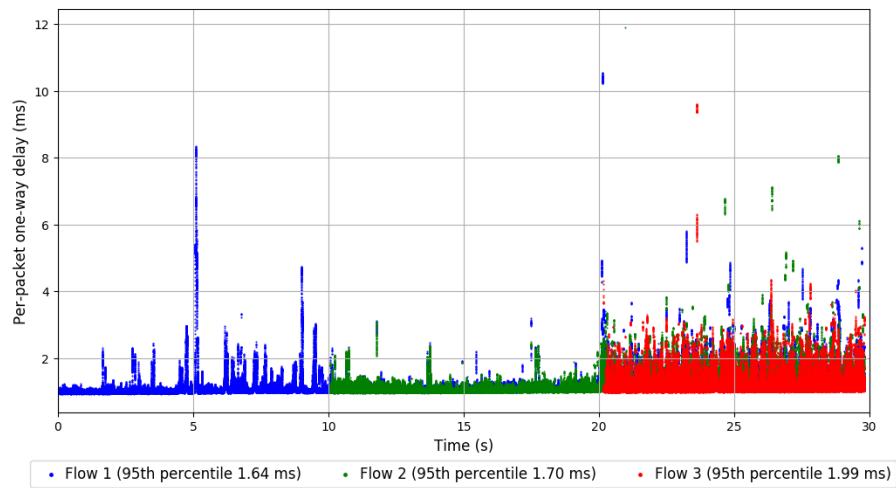
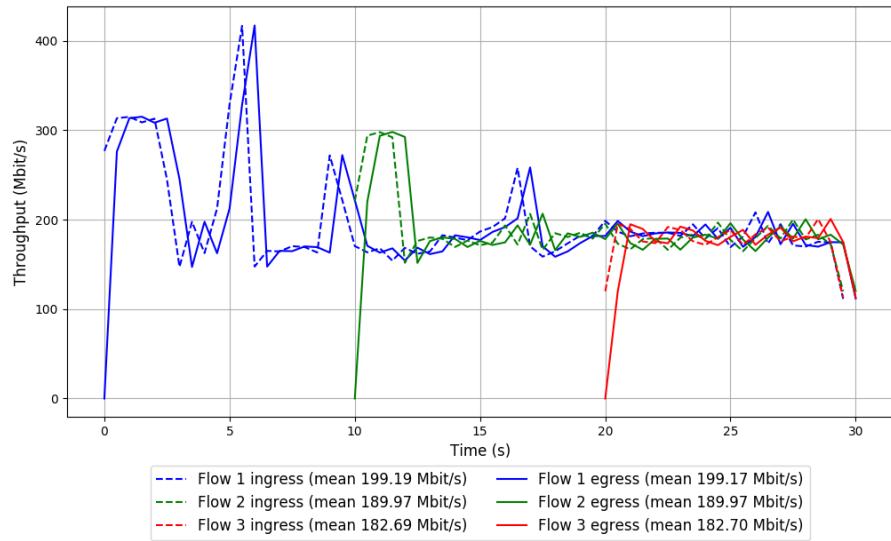


Run 1: Statistics of Indigo

```
Start at: 2018-09-25 08:21:10
End at: 2018-09-25 08:21:40
Local clock offset: -1.187 ms
Remote clock offset: -6.69 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.09 Mbit/s
95th percentile per-packet one-way delay: 1.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.17 Mbit/s
95th percentile per-packet one-way delay: 1.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.97 Mbit/s
95th percentile per-packet one-way delay: 1.695 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.70 Mbit/s
95th percentile per-packet one-way delay: 1.990 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

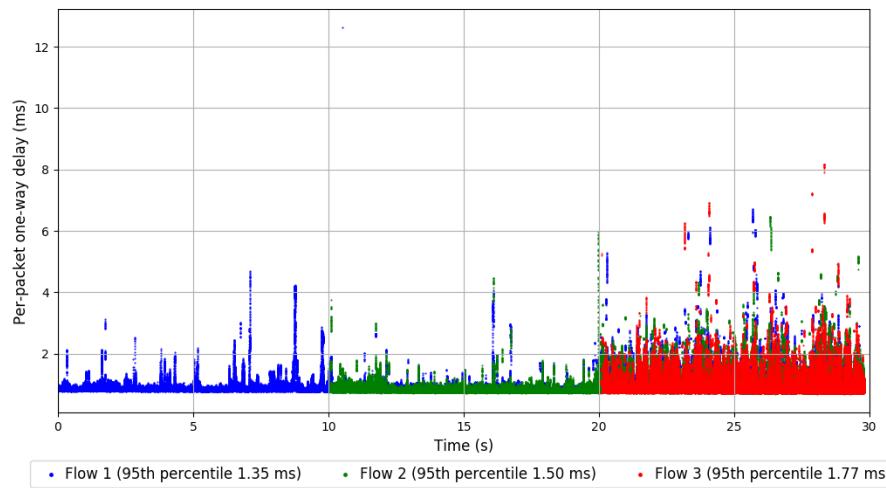
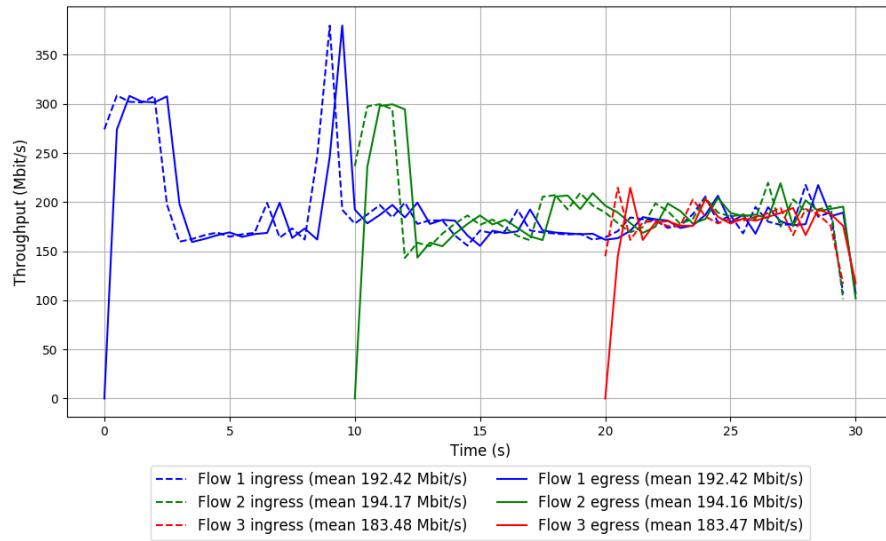


Run 2: Statistics of Indigo

```
Start at: 2018-09-25 08:50:41
End at: 2018-09-25 08:51:12
Local clock offset: 0.171 ms
Remote clock offset: 1.466 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.08 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.42 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.16 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.47 Mbit/s
95th percentile per-packet one-way delay: 1.774 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

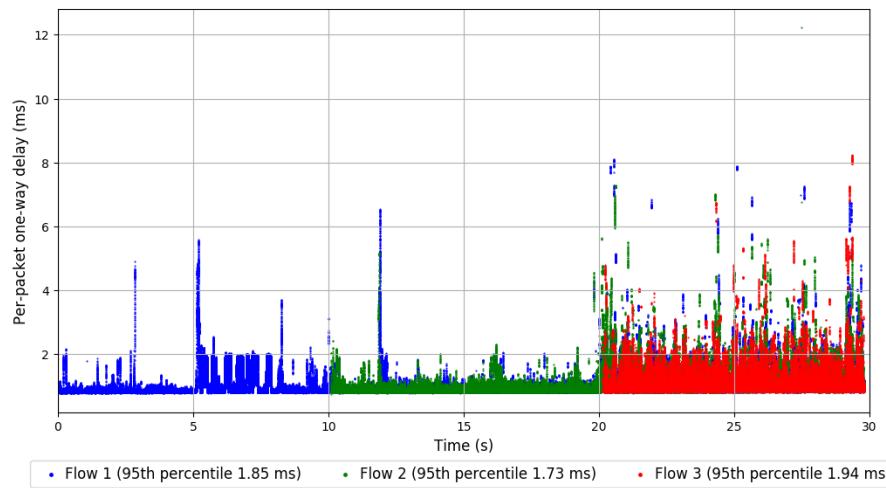
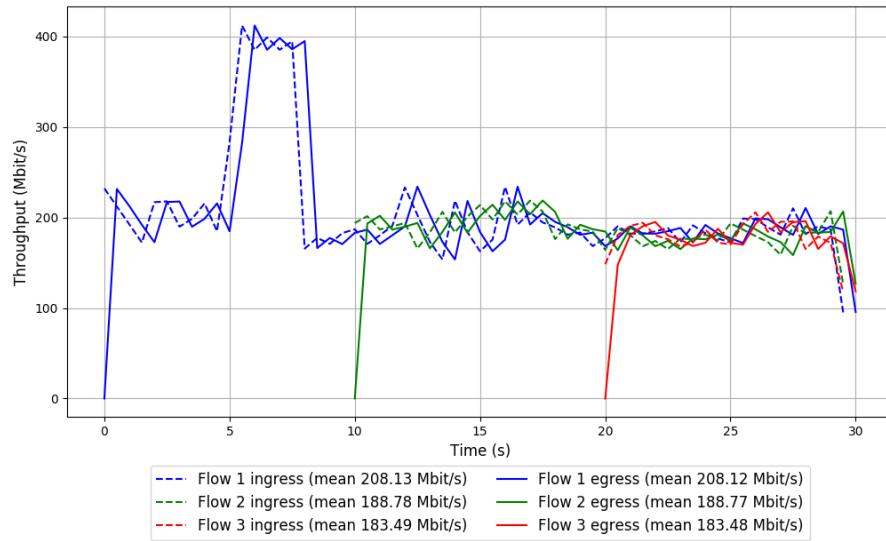


Run 3: Statistics of Indigo

```
Start at: 2018-09-25 09:20:11
End at: 2018-09-25 09:20:41
Local clock offset: 0.256 ms
Remote clock offset: -2.481 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.44 Mbit/s
95th percentile per-packet one-way delay: 1.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.12 Mbit/s
95th percentile per-packet one-way delay: 1.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.77 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.48 Mbit/s
95th percentile per-packet one-way delay: 1.940 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

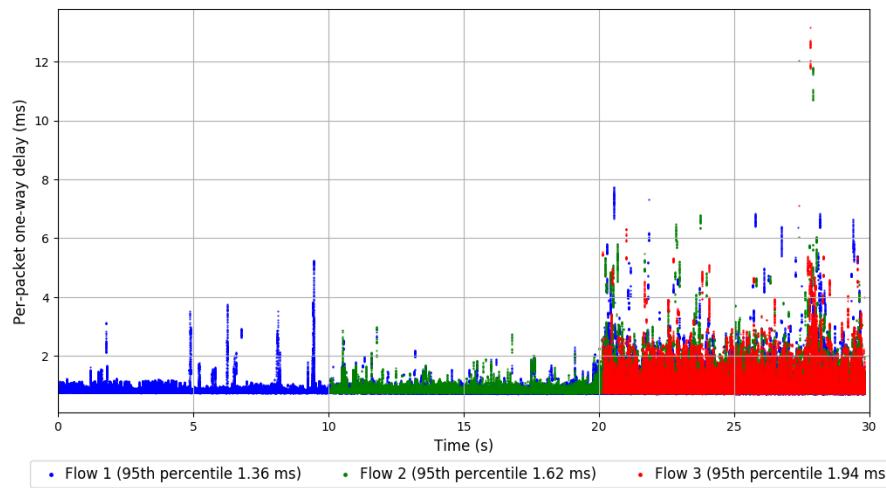
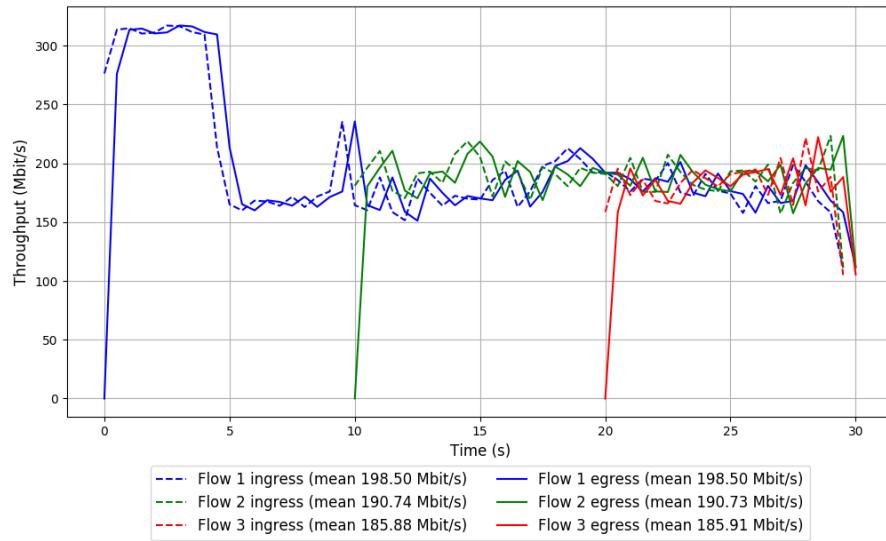


Run 4: Statistics of Indigo

```
Start at: 2018-09-25 09:49:38
End at: 2018-09-25 09:50:08
Local clock offset: 0.281 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.15 Mbit/s
95th percentile per-packet one-way delay: 1.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.50 Mbit/s
95th percentile per-packet one-way delay: 1.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.73 Mbit/s
95th percentile per-packet one-way delay: 1.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.91 Mbit/s
95th percentile per-packet one-way delay: 1.942 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

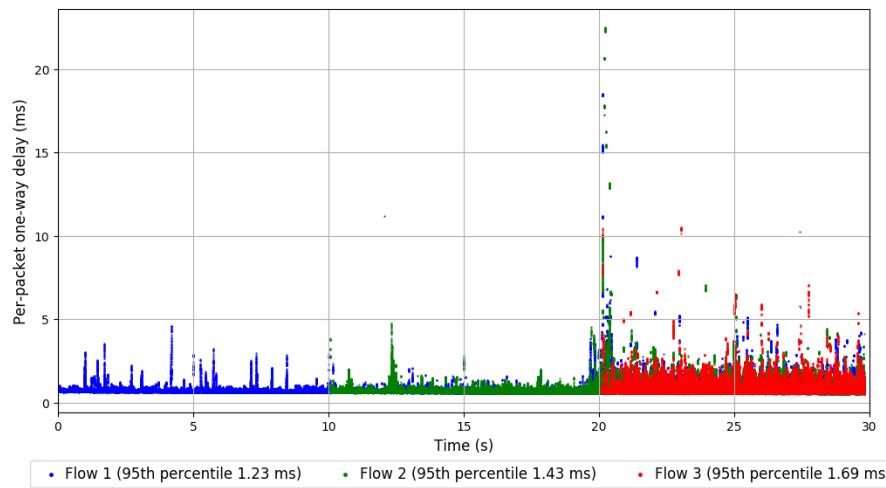
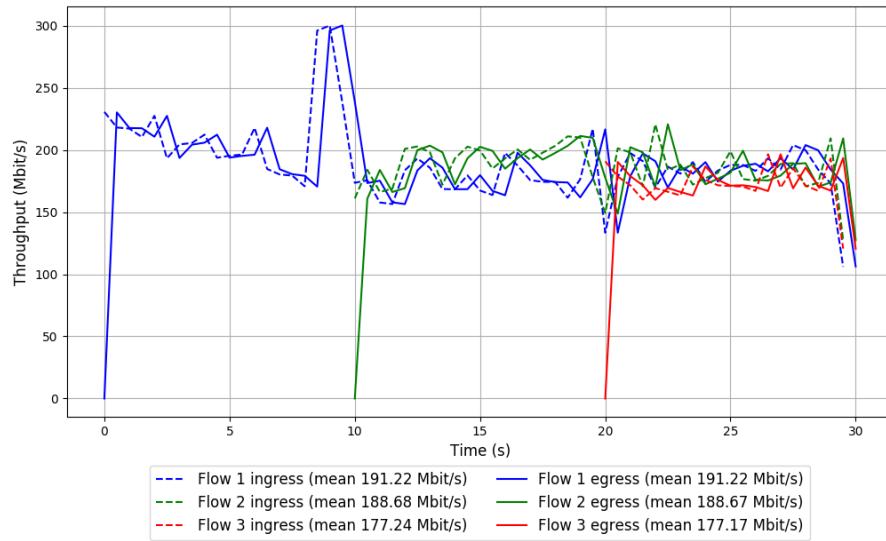


Run 5: Statistics of Indigo

```
Start at: 2018-09-25 10:19:09
End at: 2018-09-25 10:19:39
Local clock offset: -2.007 ms
Remote clock offset: 2.9 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.99 Mbit/s
95th percentile per-packet one-way delay: 1.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.22 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.67 Mbit/s
95th percentile per-packet one-way delay: 1.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.17 Mbit/s
95th percentile per-packet one-way delay: 1.688 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

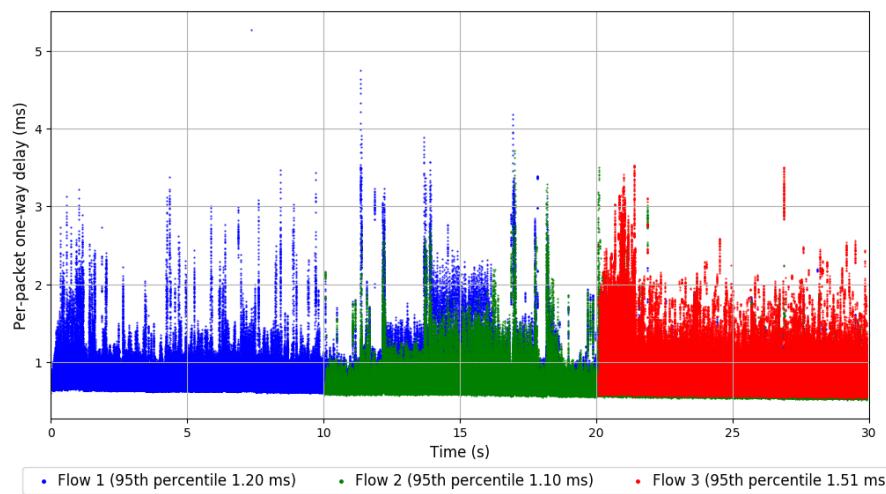
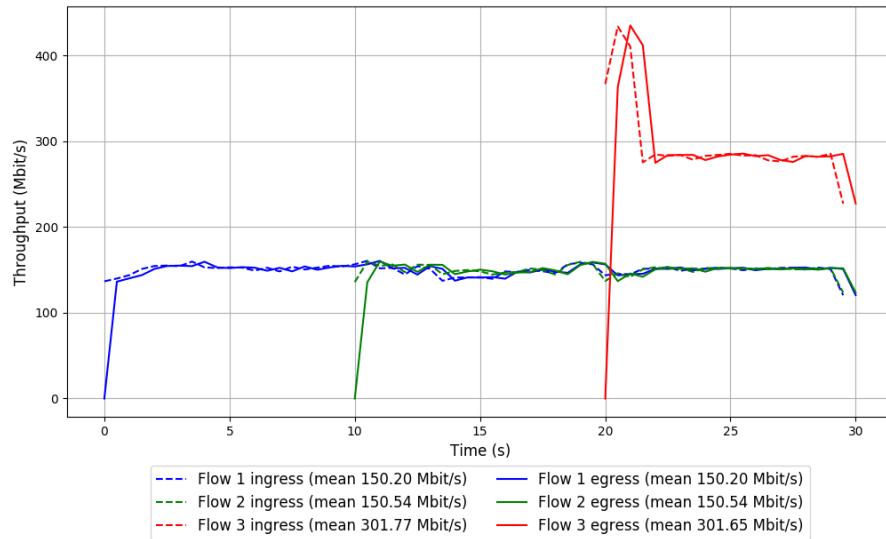


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-09-25 08:40:30
End at: 2018-09-25 08:41:00
Local clock offset: 0.048 ms
Remote clock offset: -0.457 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.73 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 150.20 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.54 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 301.65 Mbit/s
95th percentile per-packet one-way delay: 1.512 ms
Loss rate: 0.03%
```

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

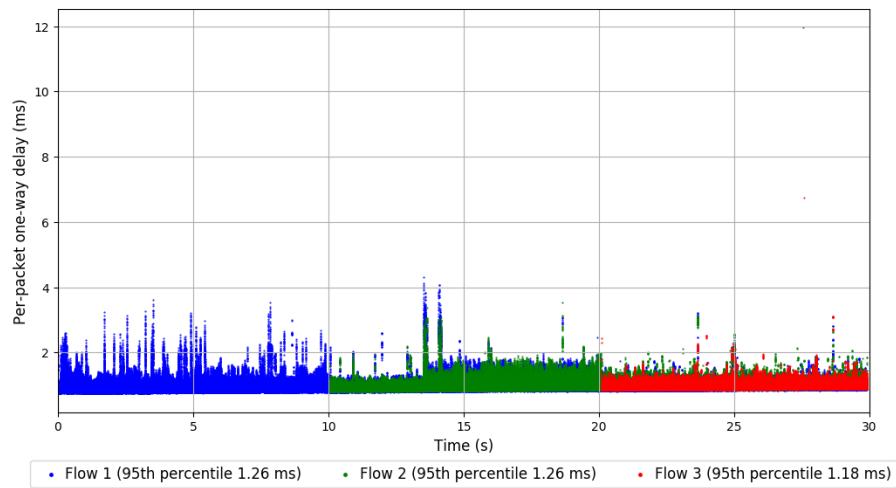
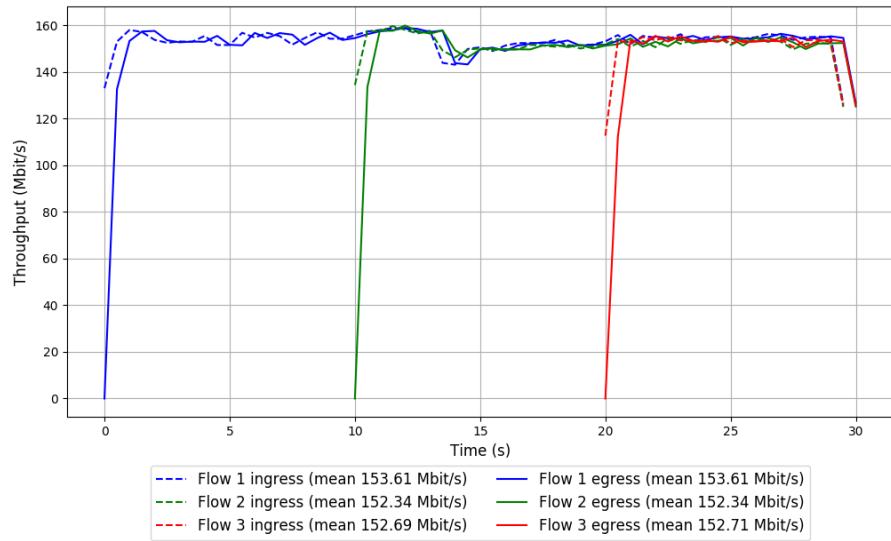


Run 2: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 09:10:17
End at: 2018-09-25 09:10:47
Local clock offset: 0.139 ms
Remote clock offset: -1.329 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.04 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.61 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.34 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.71 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.00%
```

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

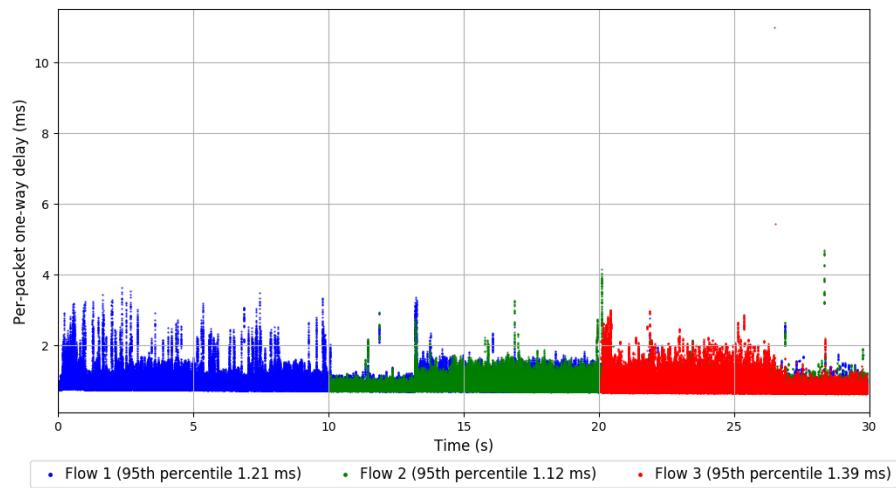
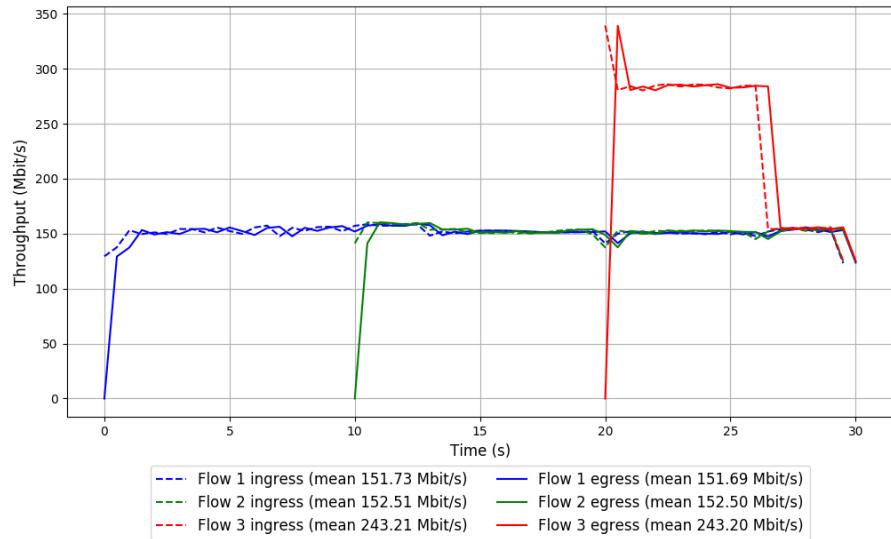


```
Run 3: Statistics of Indigo-96d2da3
```

```
Start at: 2018-09-25 09:39:42
End at: 2018-09-25 09:40:12
Local clock offset: 0.209 ms
Remote clock offset: -1.497 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.33 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 151.69 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 152.50 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 243.20 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%
```

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

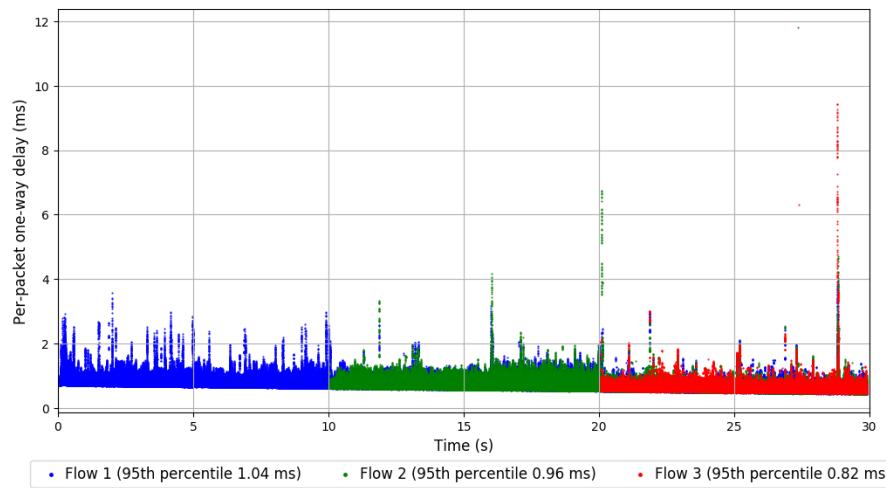
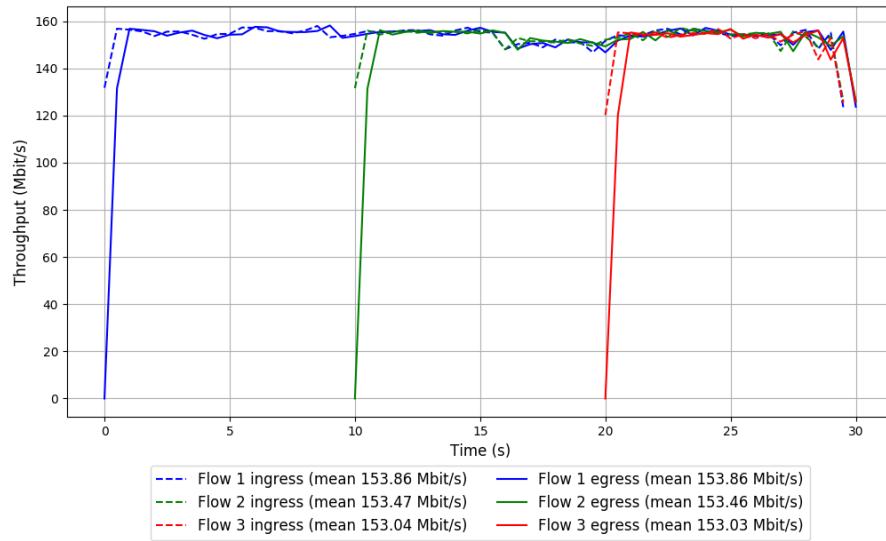


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 10:09:12
End at: 2018-09-25 10:09:42
Local clock offset: 0.167 ms
Remote clock offset: 1.415 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.17 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.86 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 153.46 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.03 Mbit/s
95th percentile per-packet one-way delay: 0.817 ms
Loss rate: 0.01%
```

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

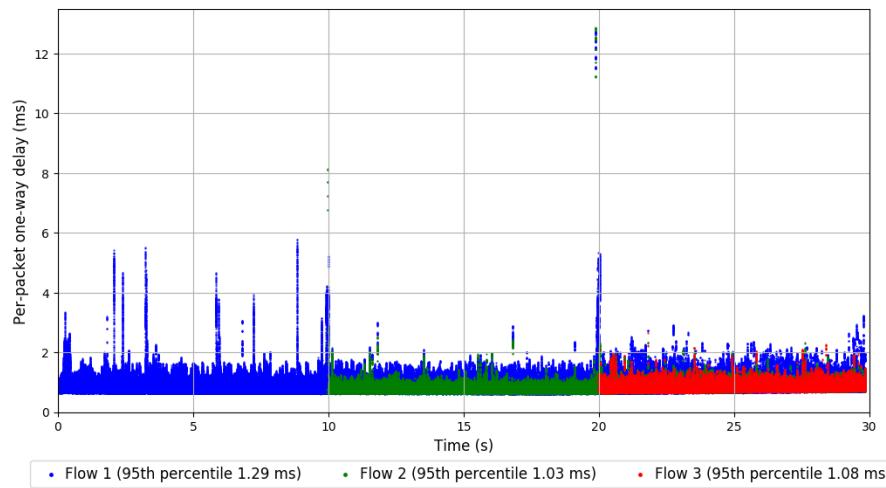
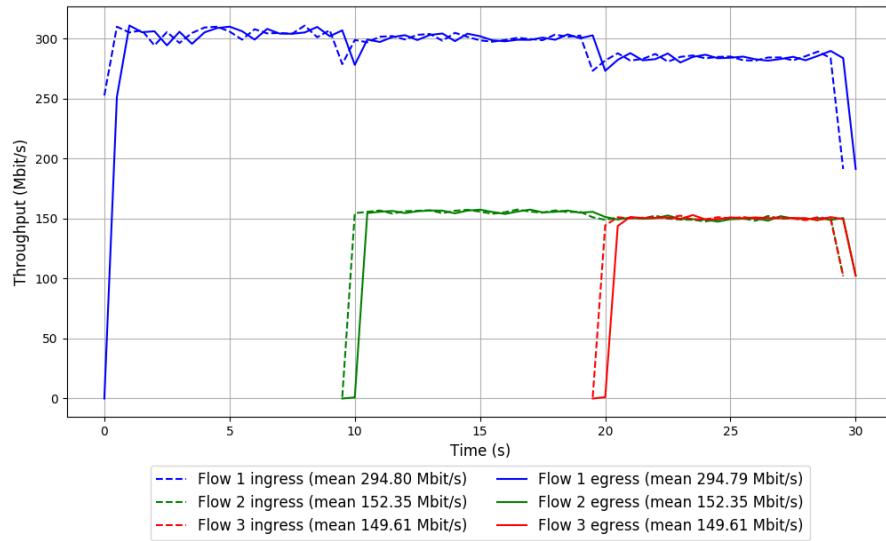


Run 5: Statistics of Indigo-96d2da3

```
Start at: 2018-09-25 10:38:40
End at: 2018-09-25 10:39:10
Local clock offset: -3.629 ms
Remote clock offset: 4.396 ms

# Below is generated by plot.py at 2018-09-25 11:24:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.89 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.79 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.35 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.61 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
```

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

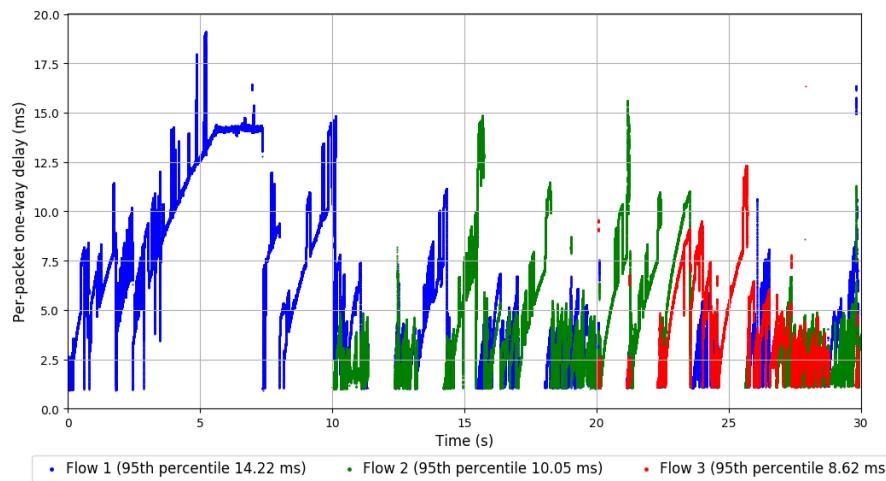
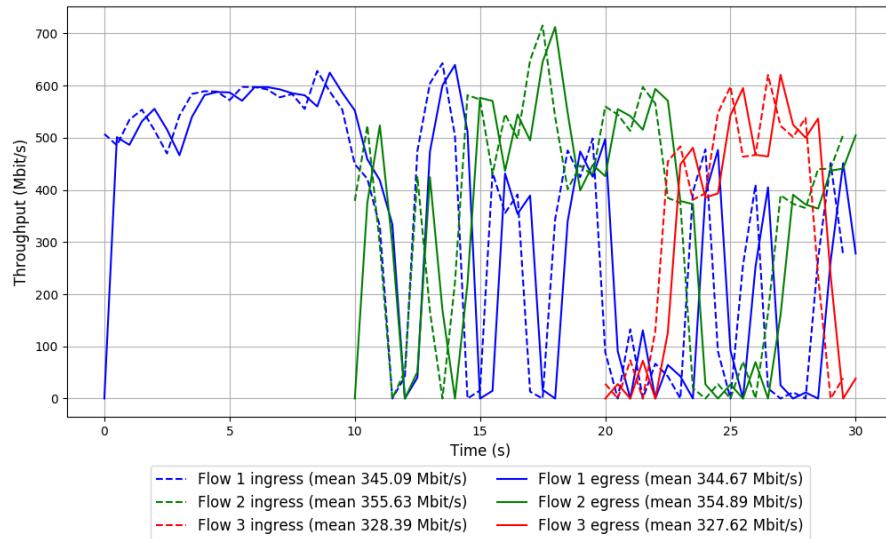


Run 1: Statistics of LEDBAT

```
Start at: 2018-09-25 08:17:52
End at: 2018-09-25 08:18:22
Local clock offset: -1.941 ms
Remote clock offset: -6.579 ms

# Below is generated by plot.py at 2018-09-25 11:28:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 687.59 Mbit/s
95th percentile per-packet one-way delay: 14.132 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 344.67 Mbit/s
95th percentile per-packet one-way delay: 14.220 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 354.89 Mbit/s
95th percentile per-packet one-way delay: 10.055 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 327.62 Mbit/s
95th percentile per-packet one-way delay: 8.618 ms
Loss rate: 0.23%
```

Run 1: Report of LEDBAT — Data Link

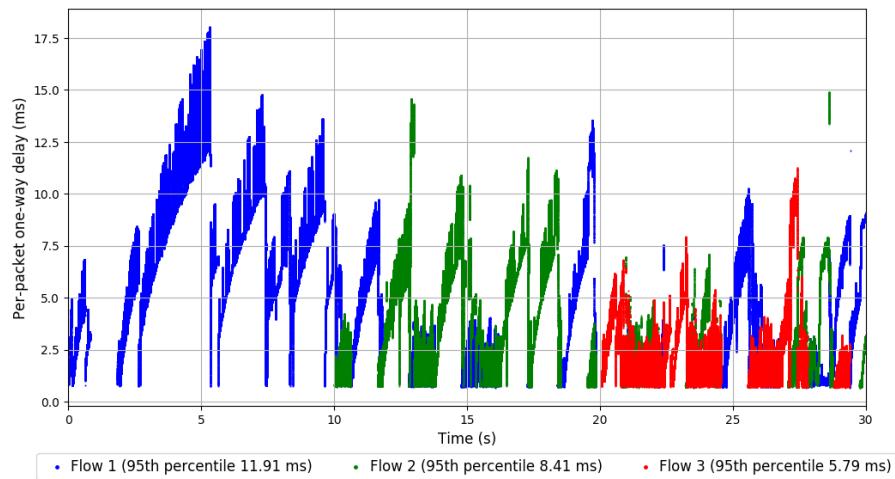
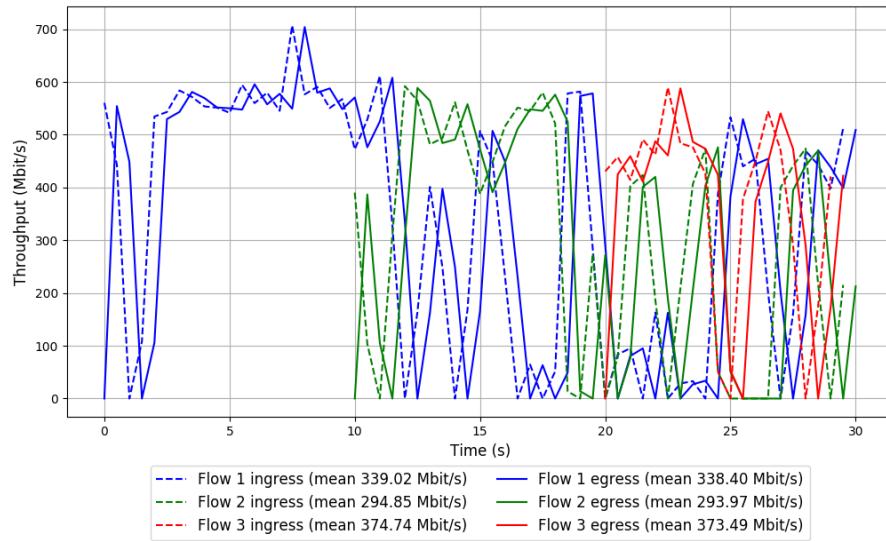


Run 2: Statistics of LEDBAT

```
Start at: 2018-09-25 08:47:11
End at: 2018-09-25 08:47:41
Local clock offset: 0.148 ms
Remote clock offset: 0.951 ms

# Below is generated by plot.py at 2018-09-25 11:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 650.78 Mbit/s
95th percentile per-packet one-way delay: 10.853 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 338.40 Mbit/s
95th percentile per-packet one-way delay: 11.911 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 293.97 Mbit/s
95th percentile per-packet one-way delay: 8.411 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 373.49 Mbit/s
95th percentile per-packet one-way delay: 5.785 ms
Loss rate: 0.32%
```

Run 2: Report of LEDBAT — Data Link

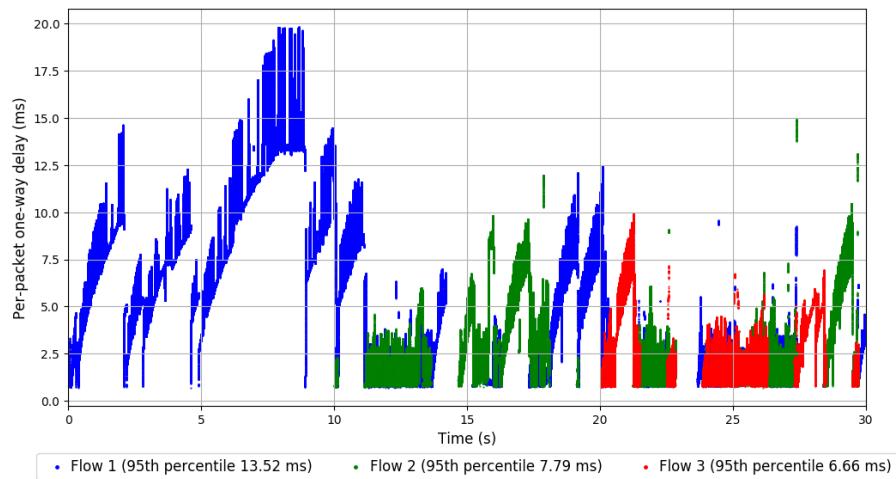
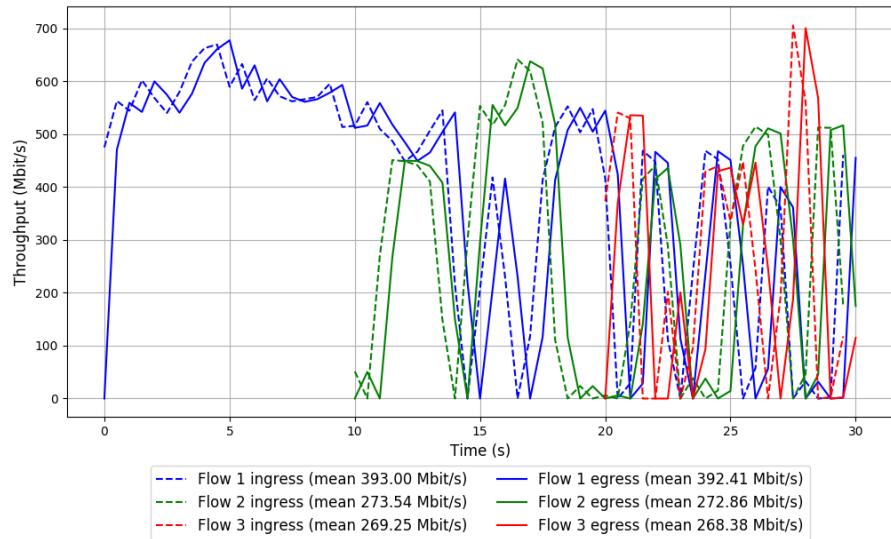


Run 3: Statistics of LEDBAT

```
Start at: 2018-09-25 09:16:51
End at: 2018-09-25 09:17:21
Local clock offset: 0.249 ms
Remote clock offset: -2.299 ms

# Below is generated by plot.py at 2018-09-25 11:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.33 Mbit/s
95th percentile per-packet one-way delay: 13.231 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 392.41 Mbit/s
95th percentile per-packet one-way delay: 13.518 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 272.86 Mbit/s
95th percentile per-packet one-way delay: 7.788 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 268.38 Mbit/s
95th percentile per-packet one-way delay: 6.664 ms
Loss rate: 0.33%
```

Run 3: Report of LEDBAT — Data Link

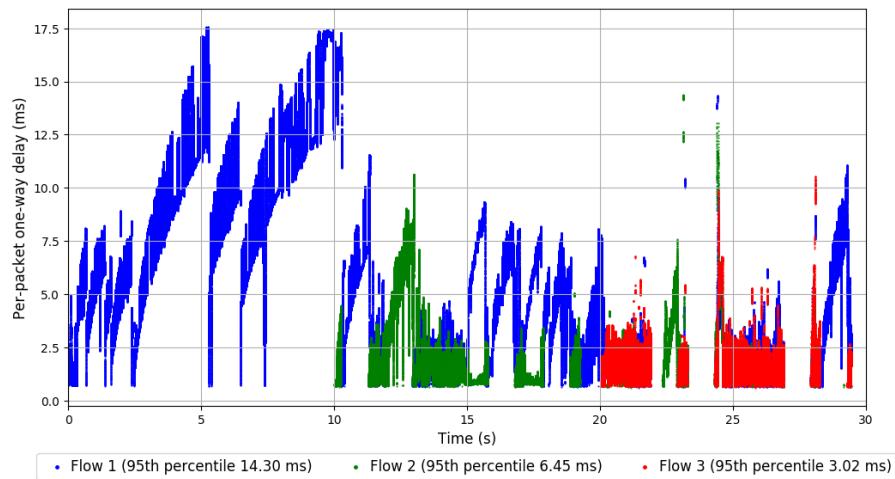
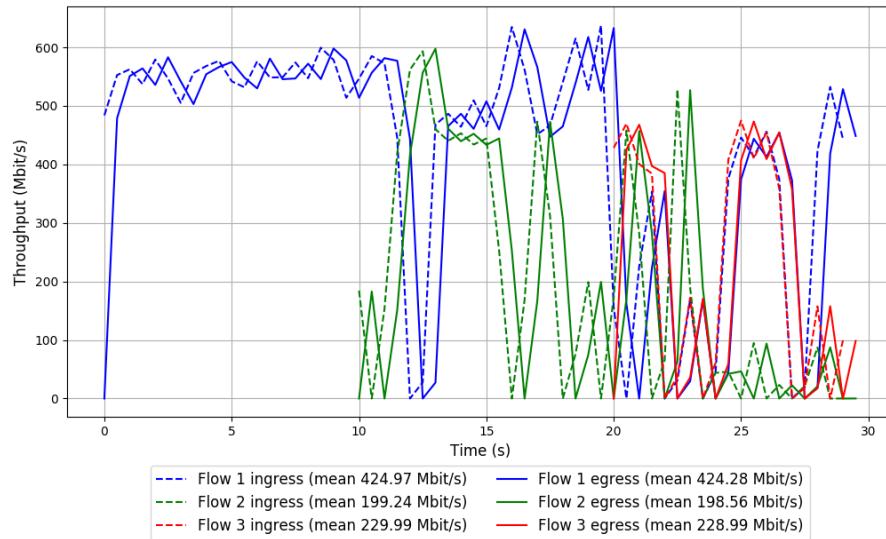


Run 4: Statistics of LEDBAT

```
Start at: 2018-09-25 09:46:24
End at: 2018-09-25 09:46:54
Local clock offset: 0.277 ms
Remote clock offset: -0.359 ms

# Below is generated by plot.py at 2018-09-25 11:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 626.79 Mbit/s
95th percentile per-packet one-way delay: 12.994 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 424.28 Mbit/s
95th percentile per-packet one-way delay: 14.299 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 198.56 Mbit/s
95th percentile per-packet one-way delay: 6.449 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 228.99 Mbit/s
95th percentile per-packet one-way delay: 3.017 ms
Loss rate: 0.43%
```

Run 4: Report of LEDBAT — Data Link

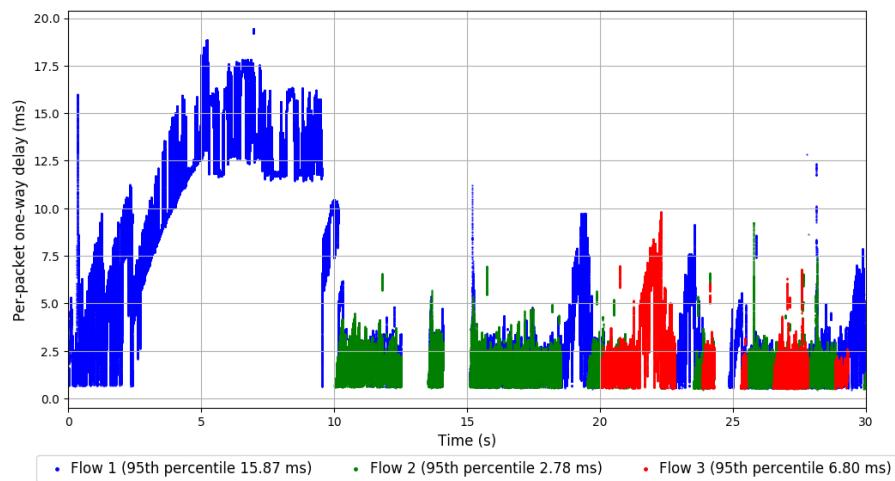
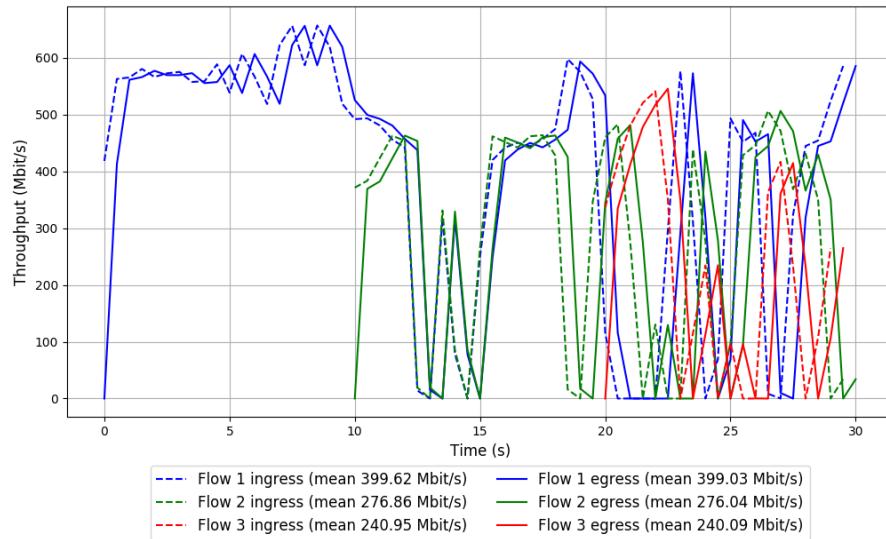


Run 5: Statistics of LEDBAT

```
Start at: 2018-09-25 10:15:53
End at: 2018-09-25 10:16:23
Local clock offset: -1.438 ms
Remote clock offset: 2.571 ms

# Below is generated by plot.py at 2018-09-25 11:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 657.28 Mbit/s
95th percentile per-packet one-way delay: 14.569 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 399.03 Mbit/s
95th percentile per-packet one-way delay: 15.870 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 276.04 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 240.09 Mbit/s
95th percentile per-packet one-way delay: 6.798 ms
Loss rate: 0.34%
```

Run 5: Report of LEDBAT — Data Link

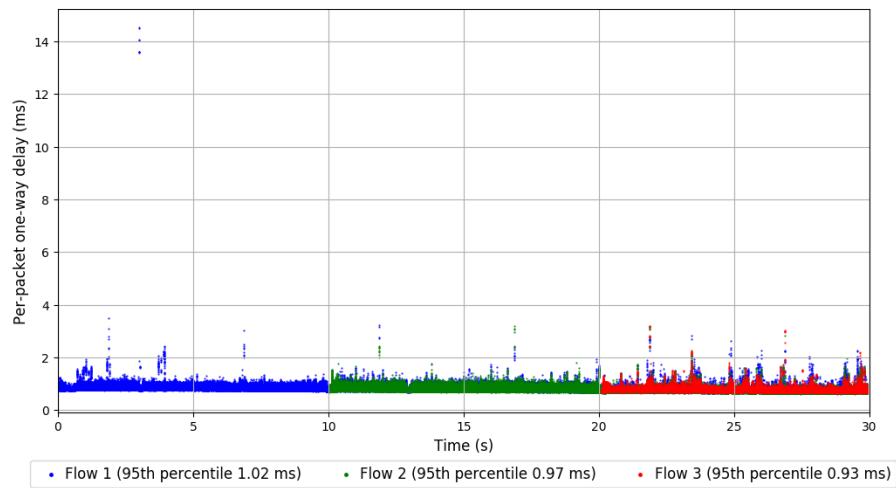
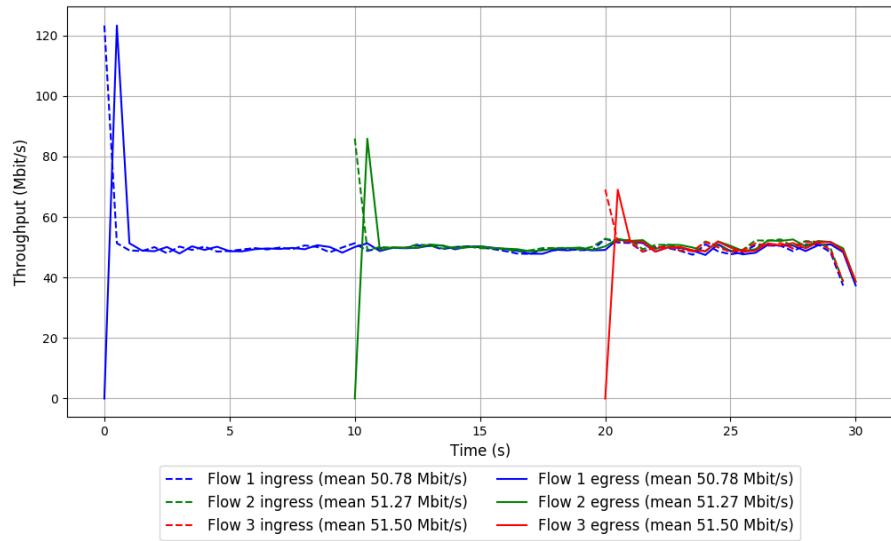


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-09-25 08:37:36
End at: 2018-09-25 08:38:06
Local clock offset: -0.003 ms
Remote clock offset: -1.085 ms

# Below is generated by plot.py at 2018-09-25 11:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.77 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 0.927 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-Muses — Data Link

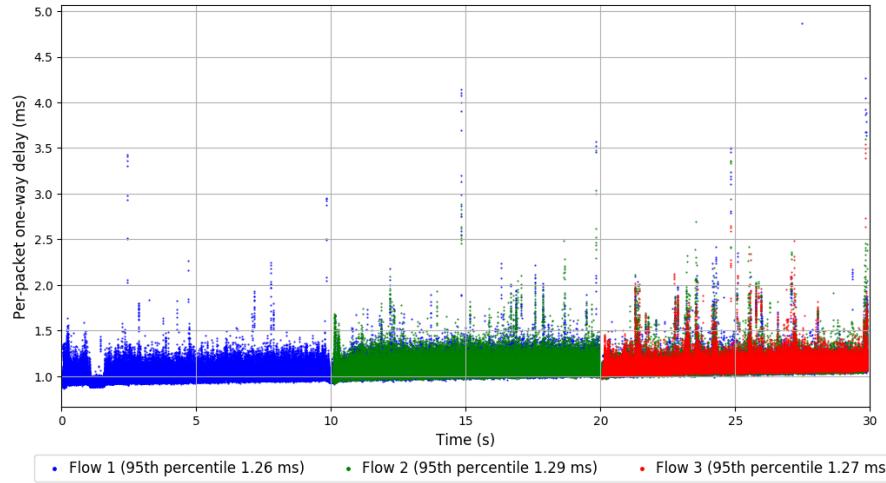
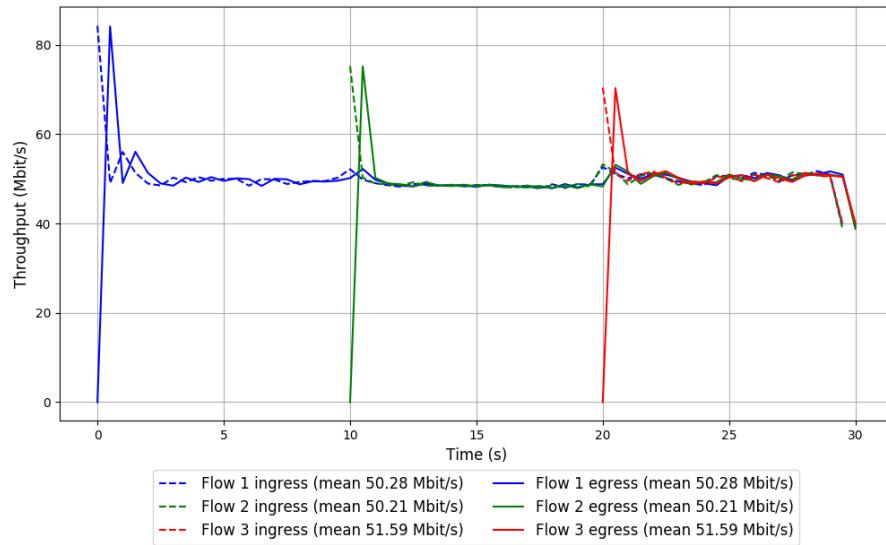


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:07:17
End at: 2018-09-25 09:07:47
Local clock offset: 0.152 ms
Remote clock offset: -0.413 ms

# Below is generated by plot.py at 2018-09-25 11:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.61 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-Muses — Data Link

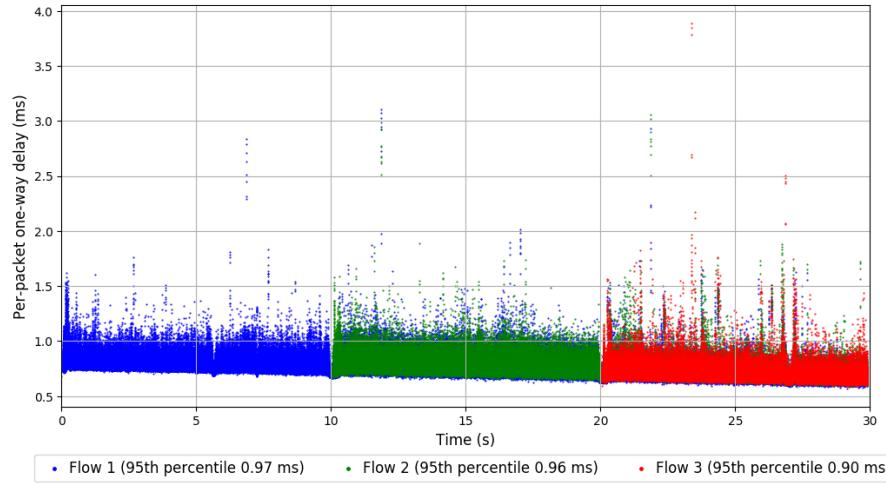
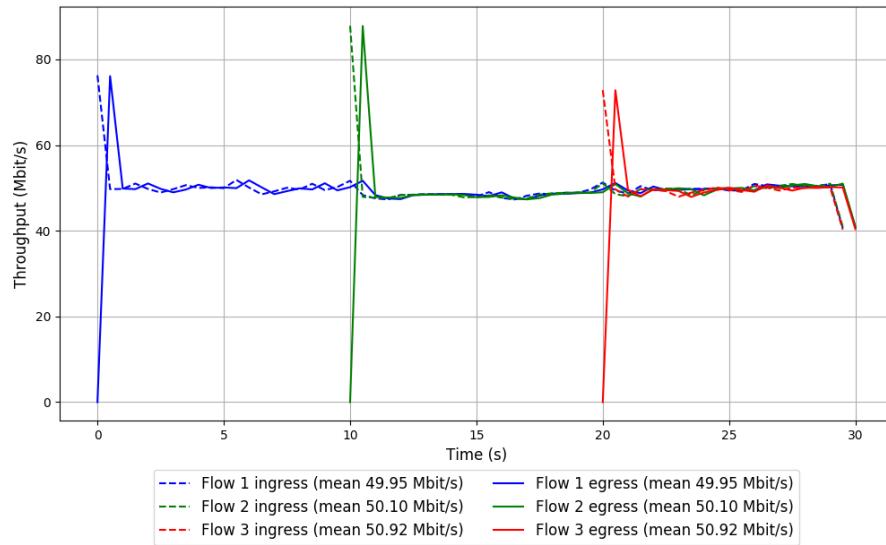


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-09-25 09:36:43
End at: 2018-09-25 09:37:13
Local clock offset: 0.236 ms
Remote clock offset: -2.28 ms

# Below is generated by plot.py at 2018-09-25 11:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.05 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 0.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 0.902 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-Muses — Data Link

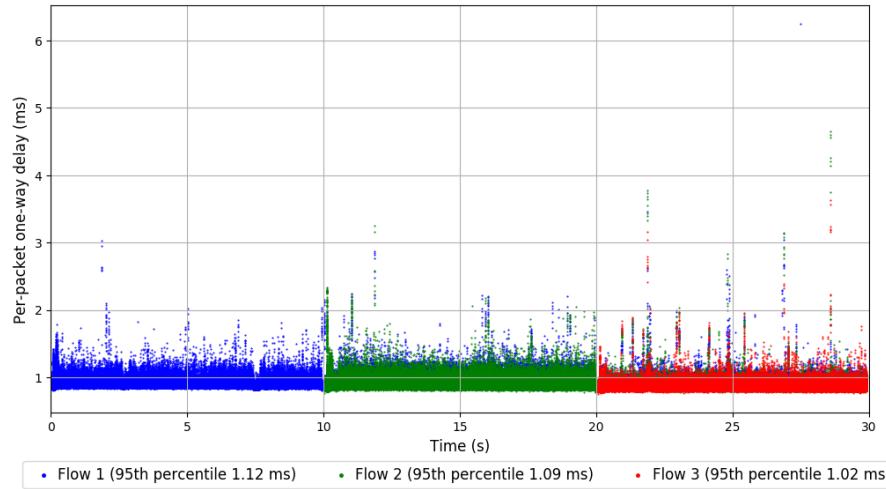
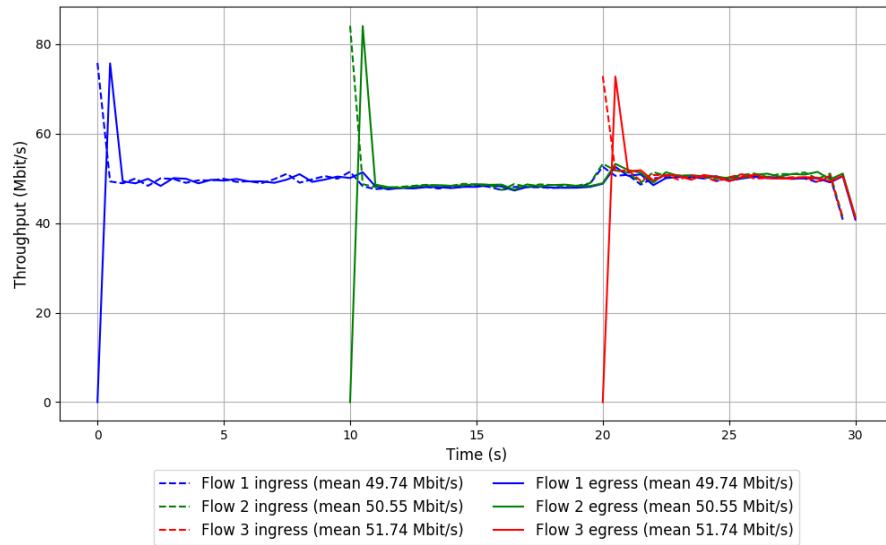


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-09-25 10:06:11
End at: 2018-09-25 10:06:41
Local clock offset: 0.201 ms
Remote clock offset: 1.251 ms

# Below is generated by plot.py at 2018-09-25 11:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.38 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-Muses — Data Link

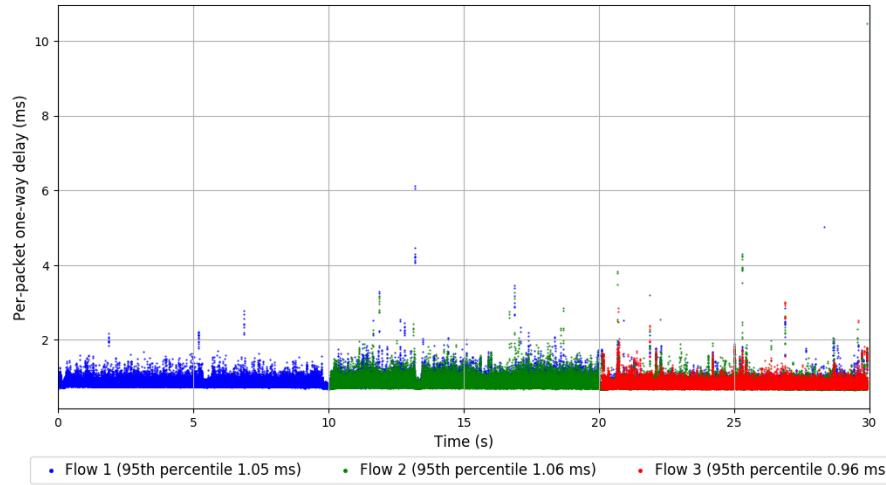
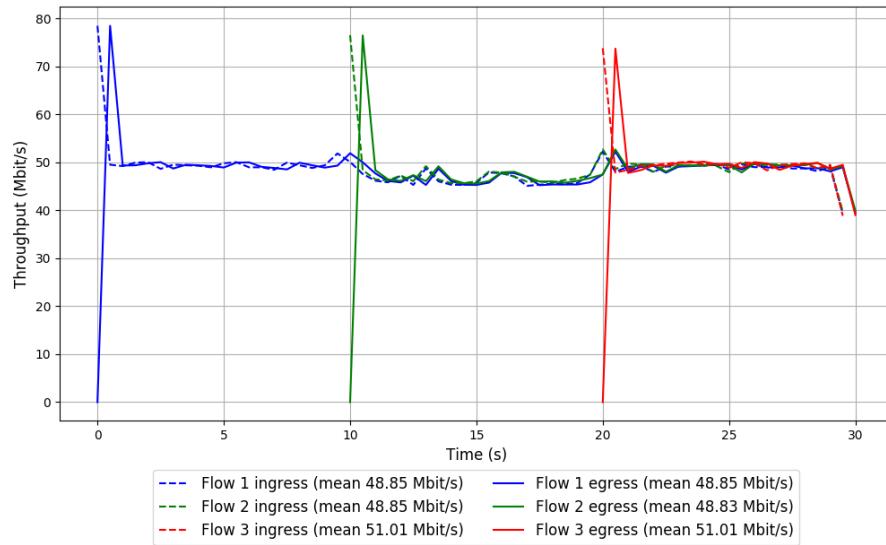


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-09-25 10:35:39
End at: 2018-09-25 10:36:09
Local clock offset: -3.464 ms
Remote clock offset: 4.265 ms

# Below is generated by plot.py at 2018-09-25 11:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.05 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.01 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-Muses — Data Link

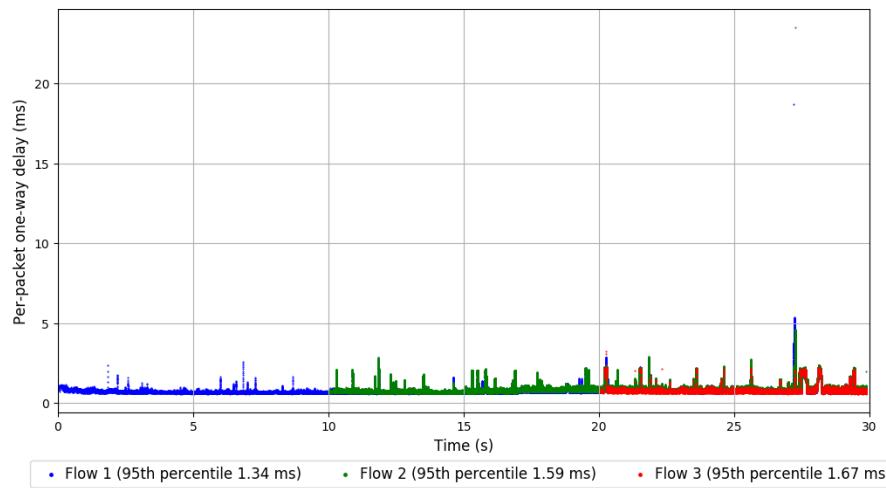
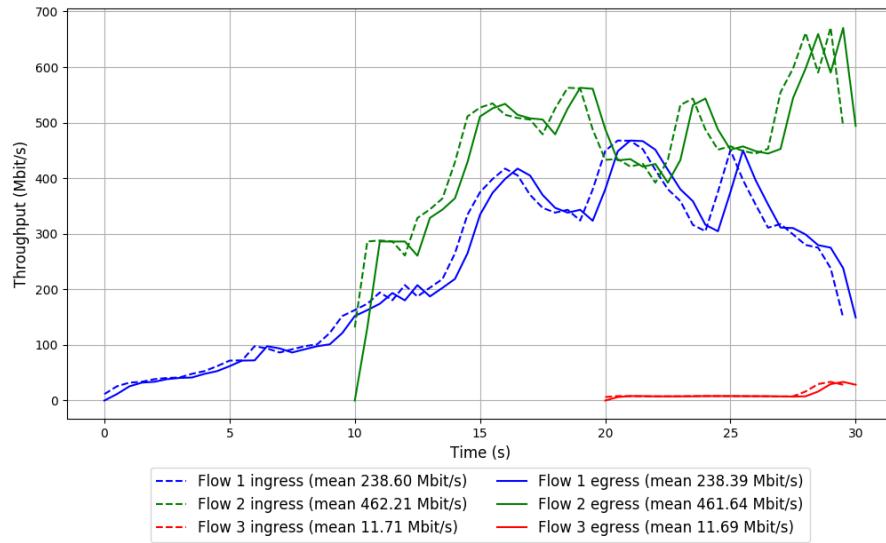


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-09-25 08:38:58
End at: 2018-09-25 08:39:28
Local clock offset: 0.02 ms
Remote clock offset: -0.766 ms

# Below is generated by plot.py at 2018-09-25 11:32:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 549.19 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 238.39 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 461.64 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 1.666 ms
Loss rate: 0.14%
```

Run 1: Report of PCC-Allegro — Data Link

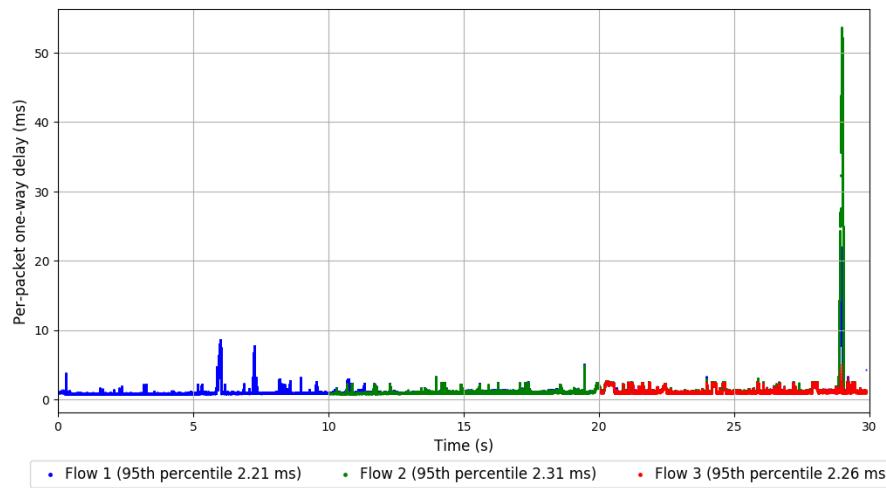
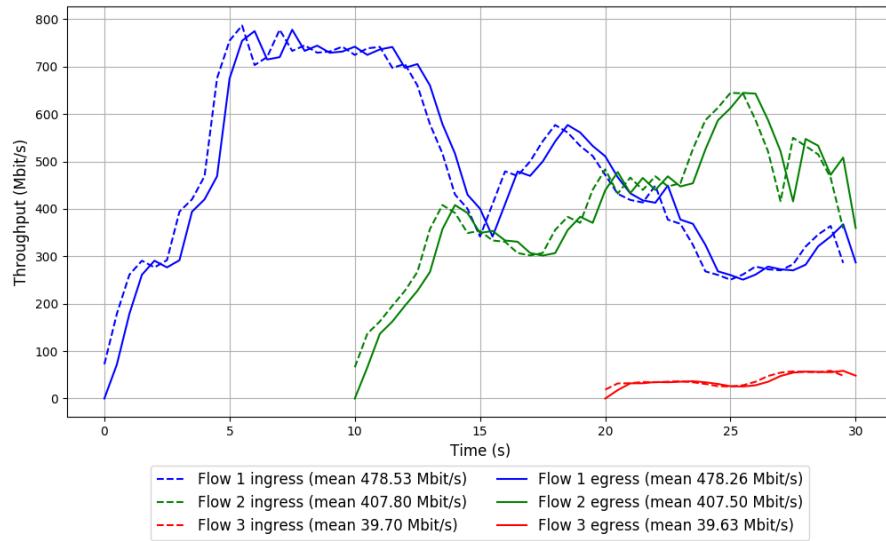


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:08:40
End at: 2018-09-25 09:09:10
Local clock offset: 0.136 ms
Remote clock offset: -0.899 ms

# Below is generated by plot.py at 2018-09-25 11:37:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 762.19 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 478.26 Mbit/s
95th percentile per-packet one-way delay: 2.208 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 407.50 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.18%
```

Run 2: Report of PCC-Allegro — Data Link

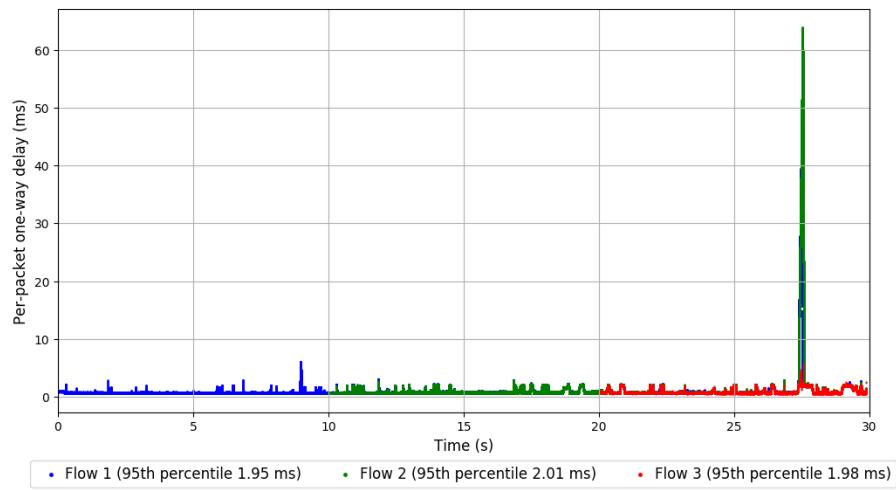
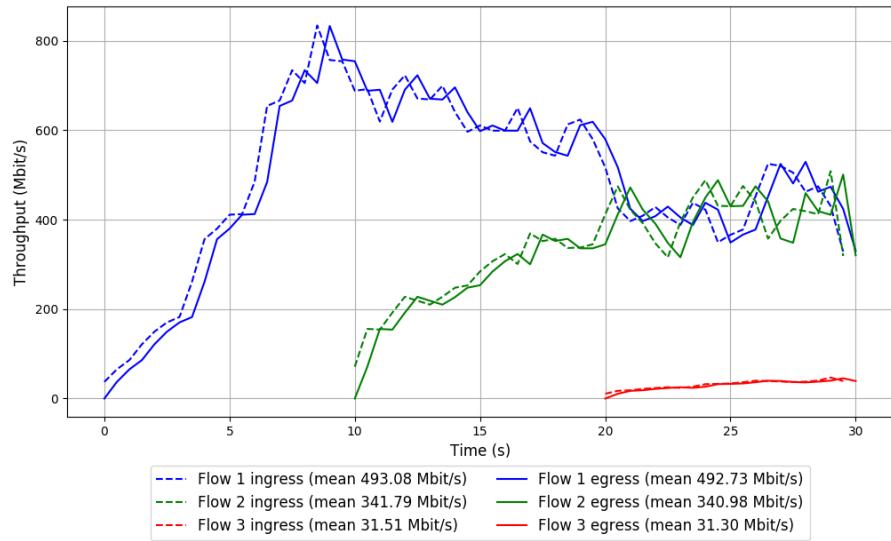


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-09-25 09:38:05
End at: 2018-09-25 09:38:35
Local clock offset: 0.25 ms
Remote clock offset: -1.964 ms

# Below is generated by plot.py at 2018-09-25 11:37:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 729.61 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 492.73 Mbit/s
95th percentile per-packet one-way delay: 1.954 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 340.98 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.63%
```

Run 3: Report of PCC-Allegro — Data Link

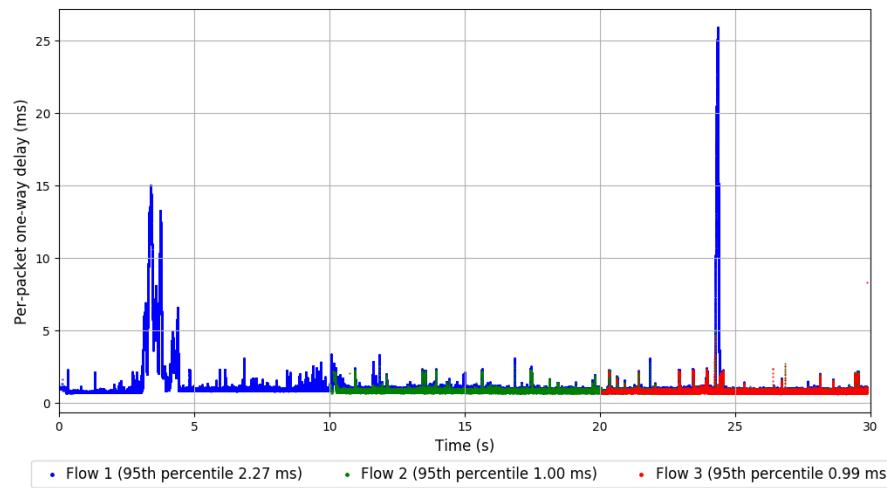
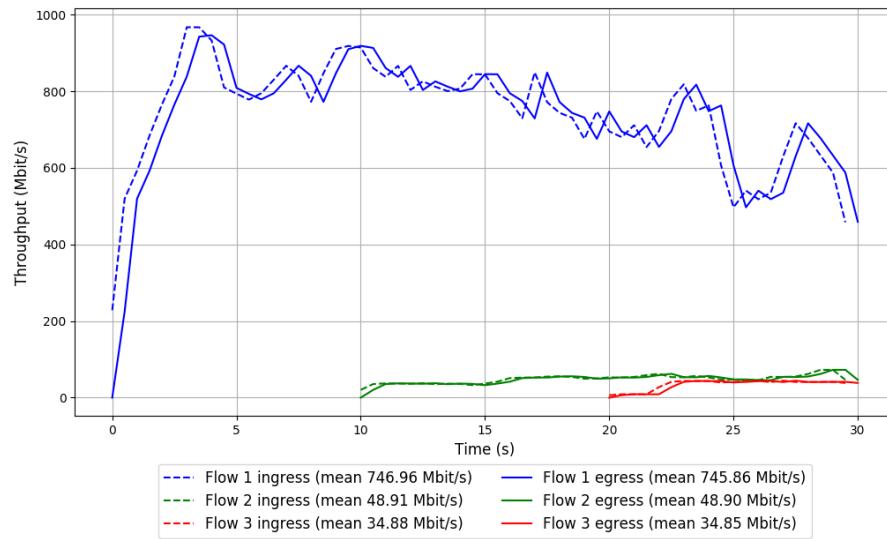


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-09-25 10:07:33
End at: 2018-09-25 10:08:03
Local clock offset: 0.198 ms
Remote clock offset: 1.222 ms

# Below is generated by plot.py at 2018-09-25 11:38:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 789.67 Mbit/s
95th percentile per-packet one-way delay: 2.236 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 745.86 Mbit/s
95th percentile per-packet one-way delay: 2.267 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Allegro — Data Link

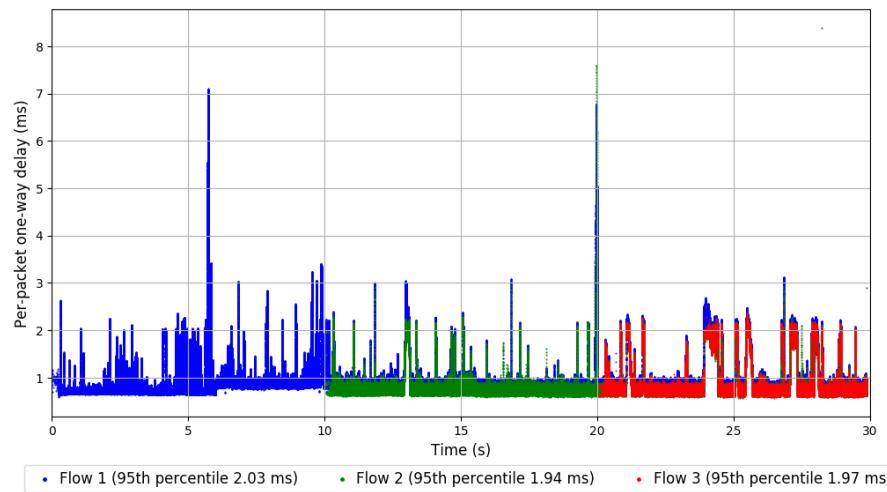
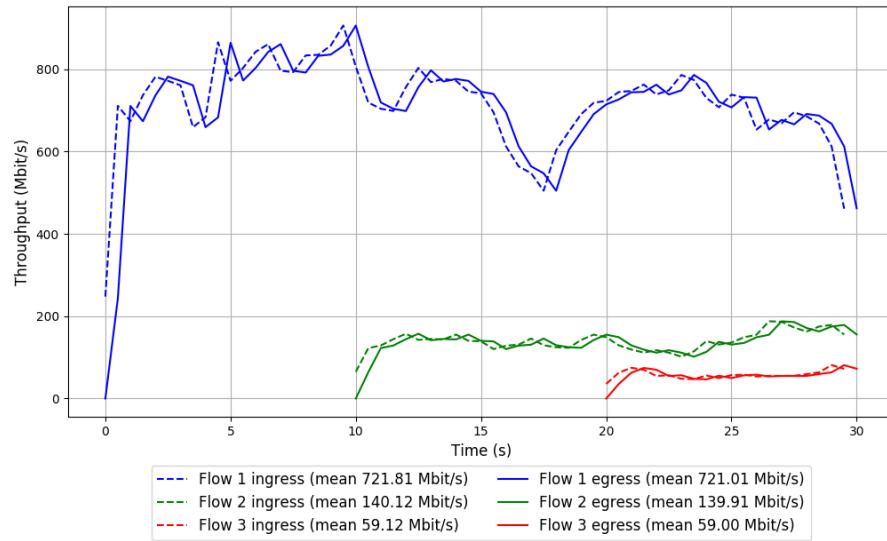


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-09-25 10:37:01
End at: 2018-09-25 10:37:31
Local clock offset: -3.527 ms
Remote clock offset: 4.276 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.46 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 721.01 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 139.91 Mbit/s
95th percentile per-packet one-way delay: 1.936 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 1.974 ms
Loss rate: 0.21%
```

Run 5: Report of PCC-Allegro — Data Link

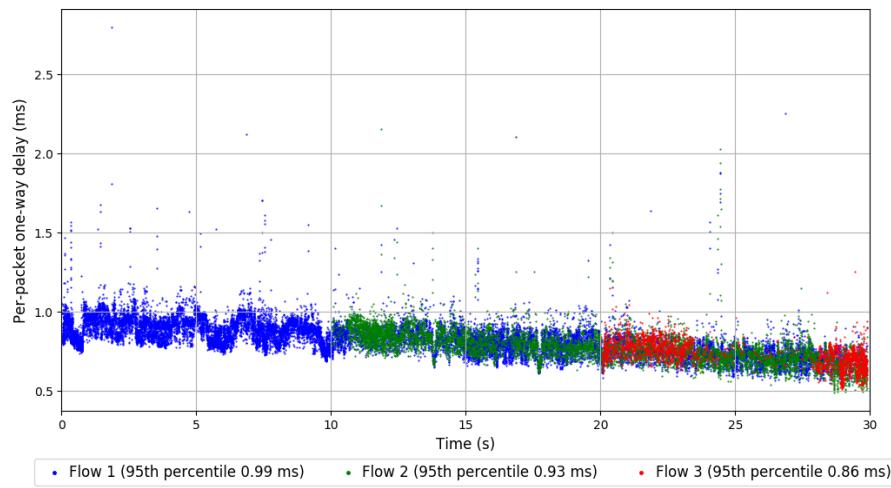
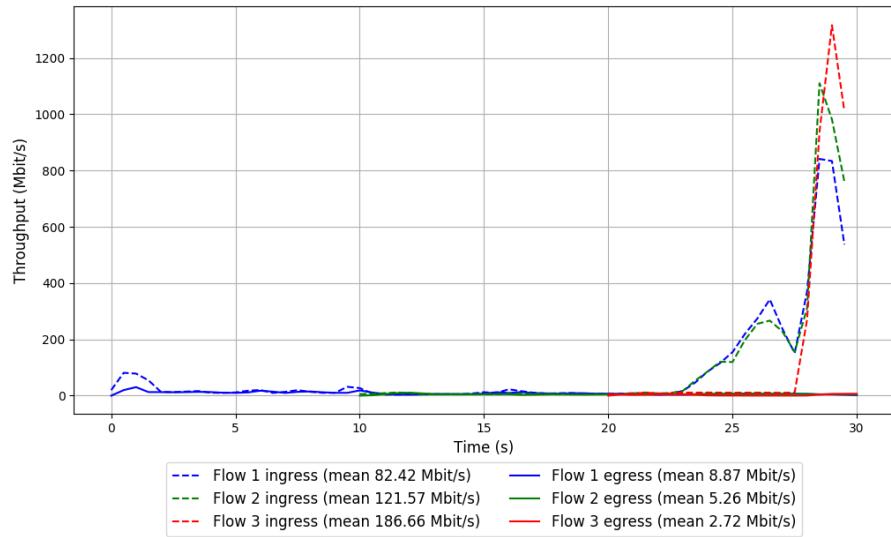


Run 1: Statistics of PCC-Expr

```
Start at: 2018-09-25 08:29:01
End at: 2018-09-25 08:29:31
Local clock offset: -0.294 ms
Remote clock offset: -4.948 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 94.10%
-- Flow 1:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 89.25%
-- Flow 2:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 95.67%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 0.861 ms
Loss rate: 98.54%
```

Run 1: Report of PCC-Expr — Data Link

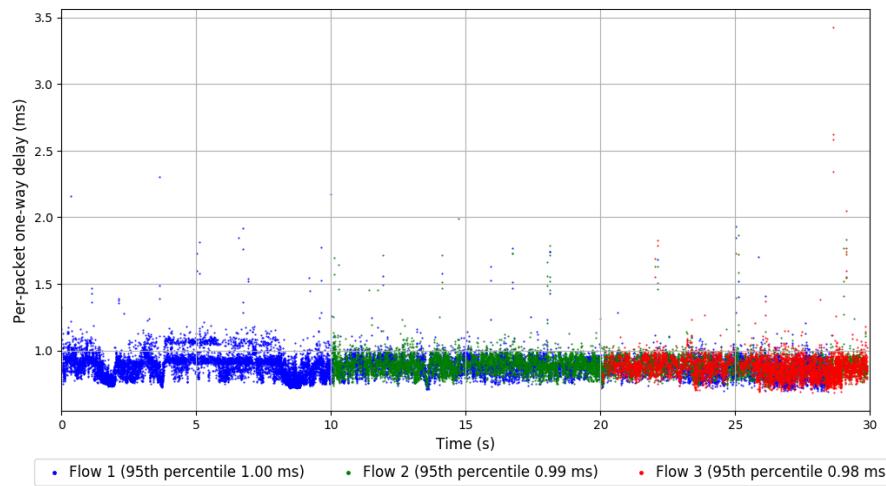
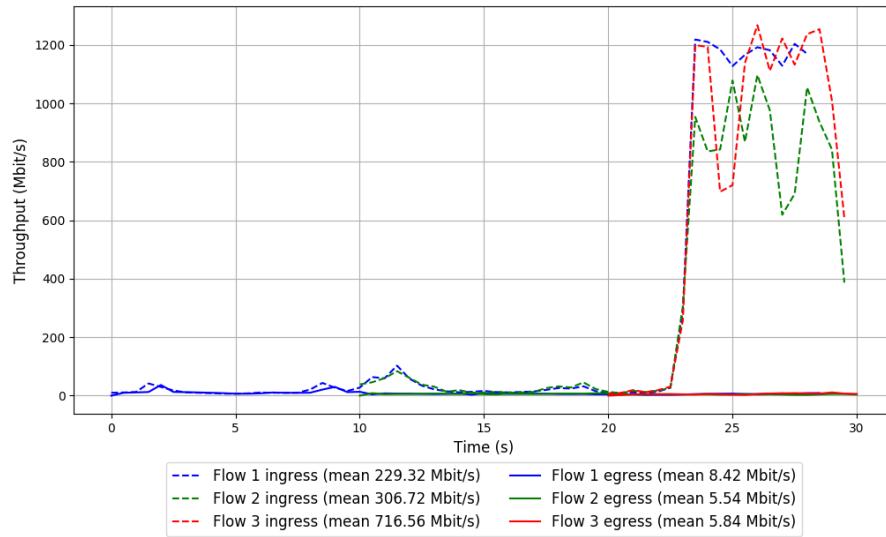


Run 2: Statistics of PCC-Expr

```
Start at: 2018-09-25 08:58:35
End at: 2018-09-25 08:59:05
Local clock offset: 0.188 ms
Remote clock offset: 2.352 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 97.93%
-- Flow 1:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 96.33%
-- Flow 2:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 0.988 ms
Loss rate: 98.20%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 99.19%
```

Run 2: Report of PCC-Expr — Data Link

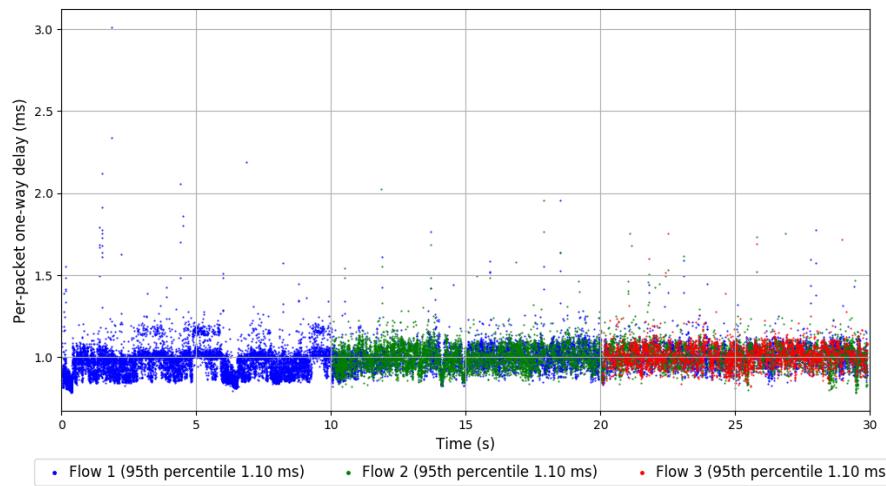
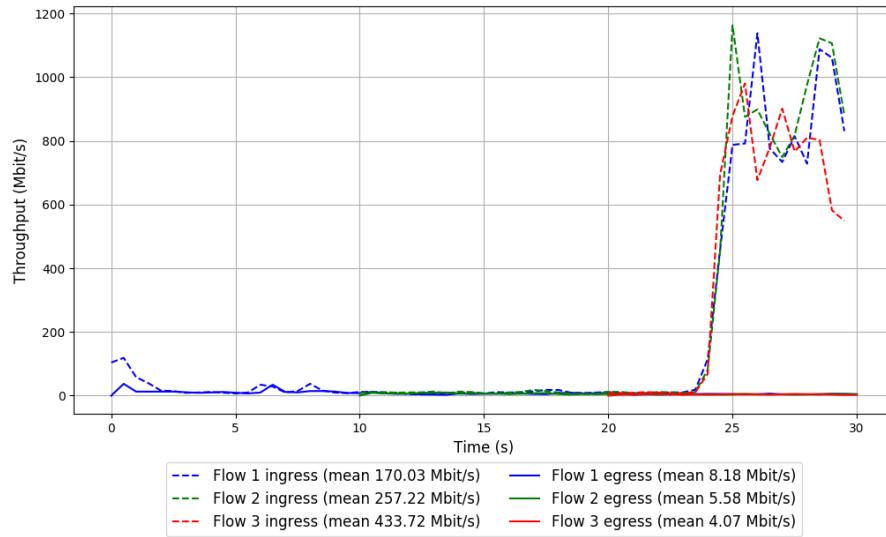


Run 3: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:28:04
End at: 2018-09-25 09:28:34
Local clock offset: 0.267 ms
Remote clock offset: -2.793 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 97.27%
-- Flow 1:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 95.19%
-- Flow 2:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 97.83%
-- Flow 3:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 99.06%
```

Run 3: Report of PCC-Expr — Data Link

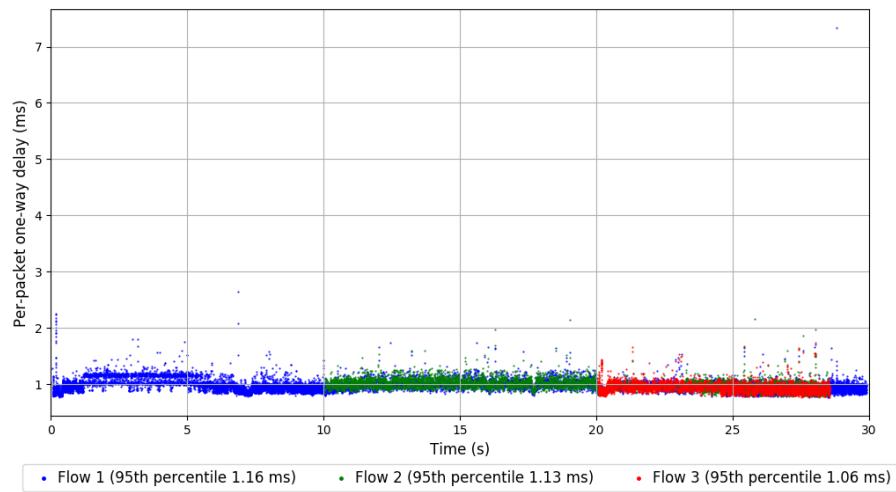
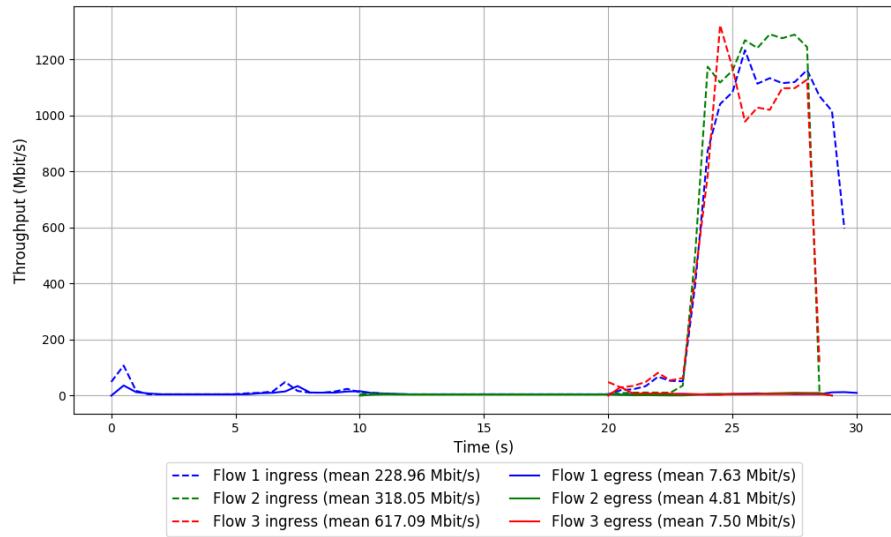


Run 4: Statistics of PCC-Expr

```
Start at: 2018-09-25 09:57:31
End at: 2018-09-25 09:58:01
Local clock offset: 0.263 ms
Remote clock offset: 0.785 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 97.88%
-- Flow 1:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 96.67%
-- Flow 2:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 98.49%
-- Flow 3:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 98.79%
```

Run 4: Report of PCC-Expr — Data Link

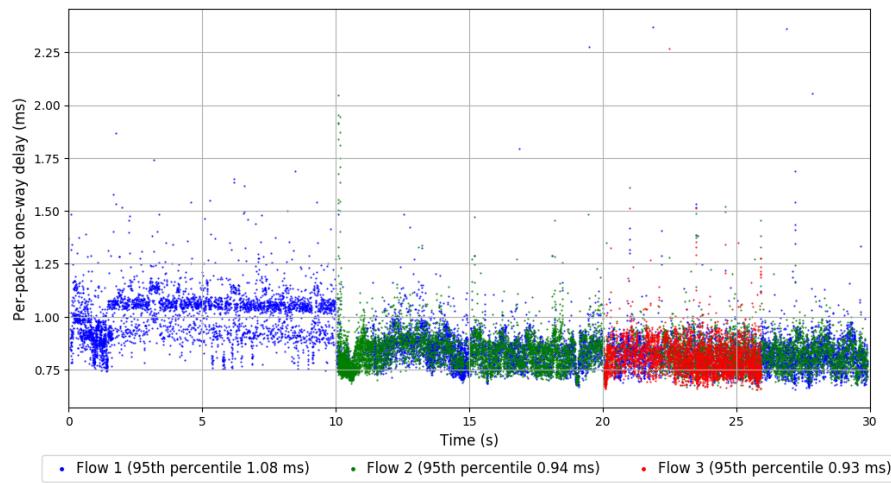
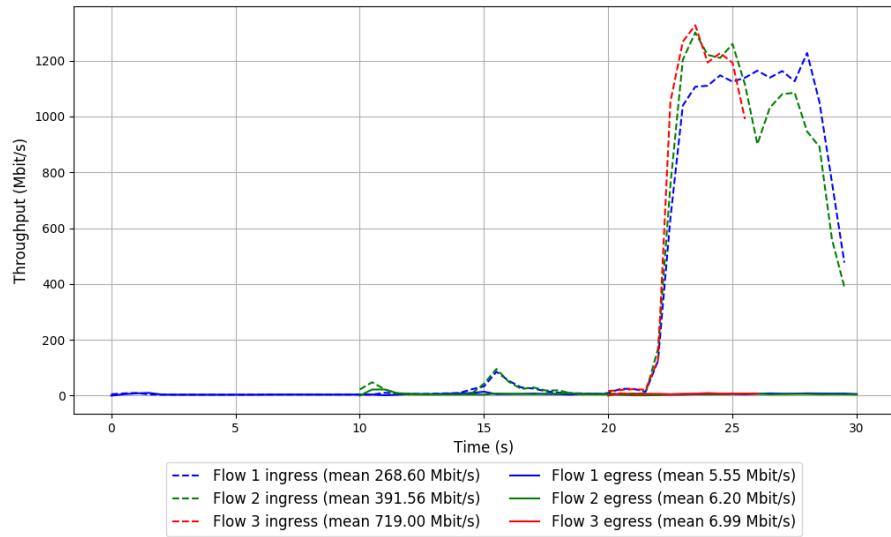


Run 5: Statistics of PCC-Expr

```
Start at: 2018-09-25 10:26:59
End at: 2018-09-25 10:27:29
Local clock offset: -2.879 ms
Remote clock offset: 3.652 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 98.35%
-- Flow 1:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 97.93%
-- Flow 2:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 98.42%
-- Flow 3:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 99.03%
```

Run 5: Report of PCC-Expr — Data Link

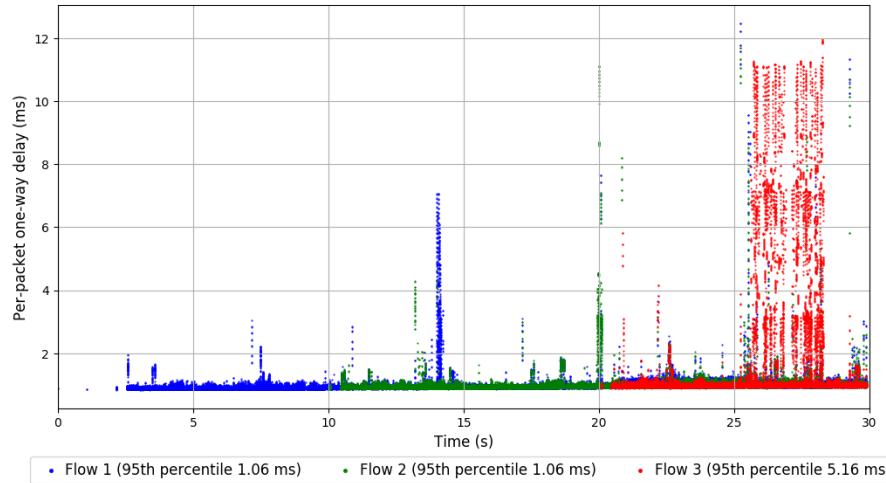
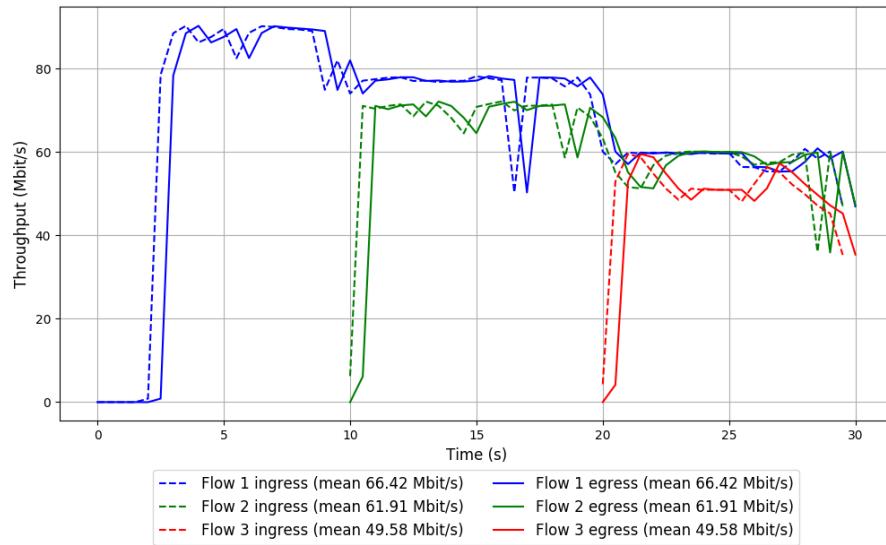


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-09-25 08:24:04
End at: 2018-09-25 08:24:34
Local clock offset: -0.748 ms
Remote clock offset: -6.857 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.86 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.42 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 5.162 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

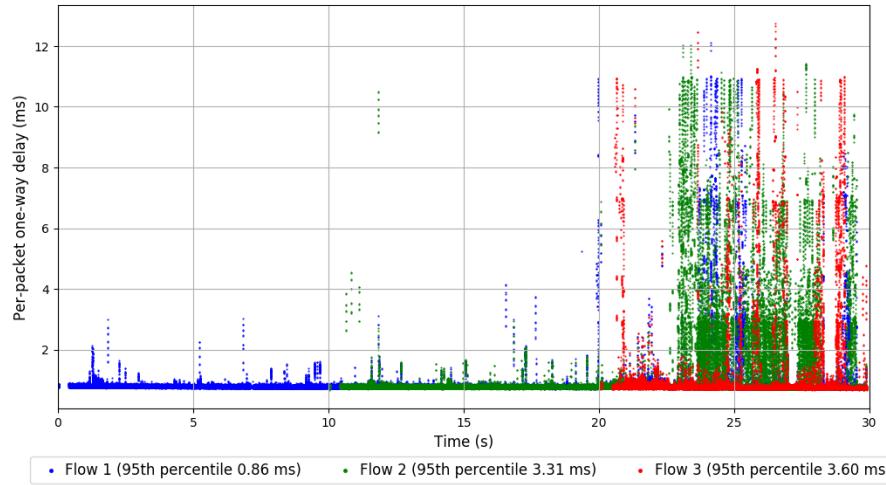
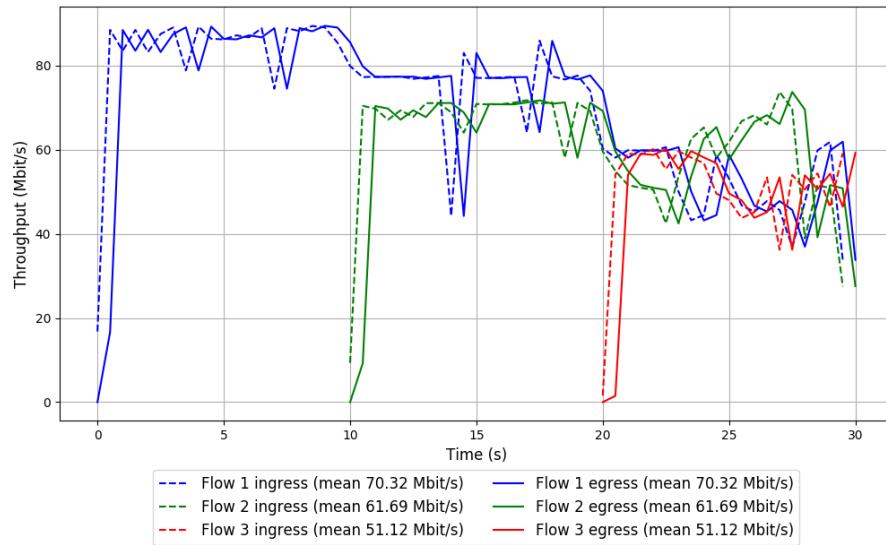


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-09-25 08:53:37
End at: 2018-09-25 08:54:07
Local clock offset: 0.177 ms
Remote clock offset: 1.798 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.11 Mbit/s
95th percentile per-packet one-way delay: 1.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 0.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 3.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 3.596 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

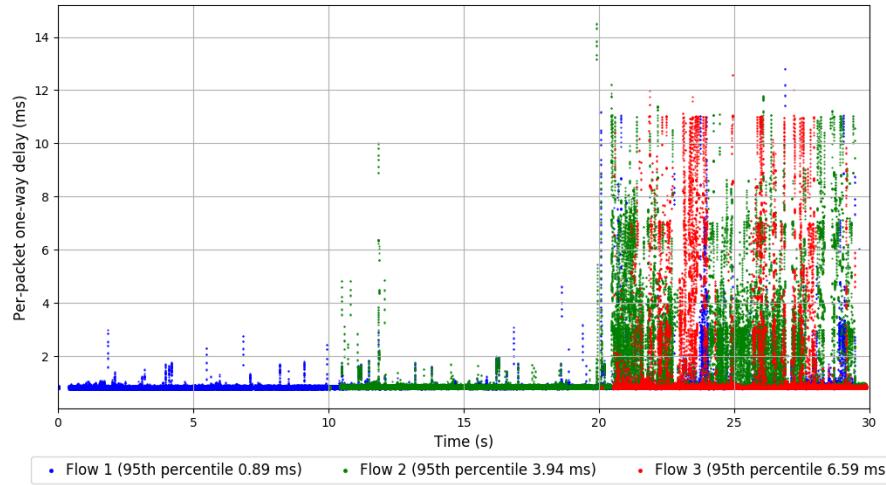
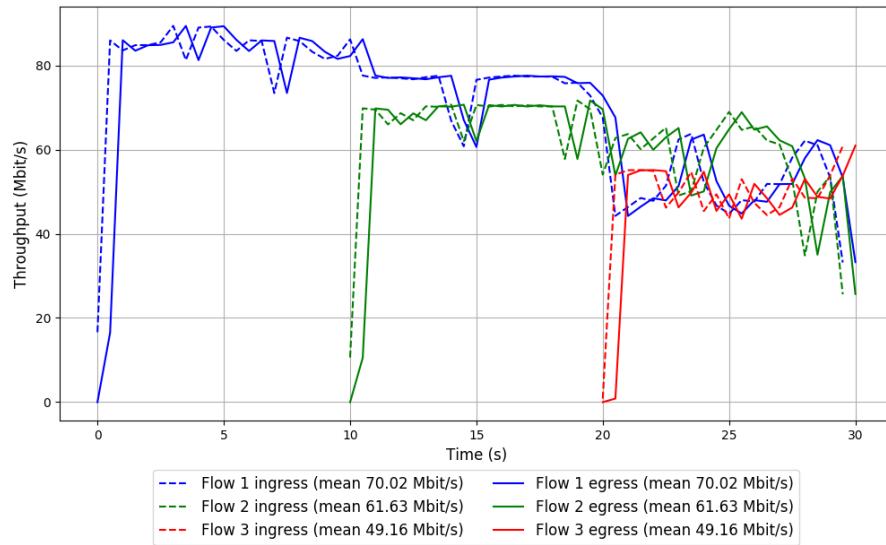


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:23:07
End at: 2018-09-25 09:23:37
Local clock offset: 0.26 ms
Remote clock offset: -2.688 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.11 Mbit/s
95th percentile per-packet one-way delay: 2.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 3.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 6.588 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

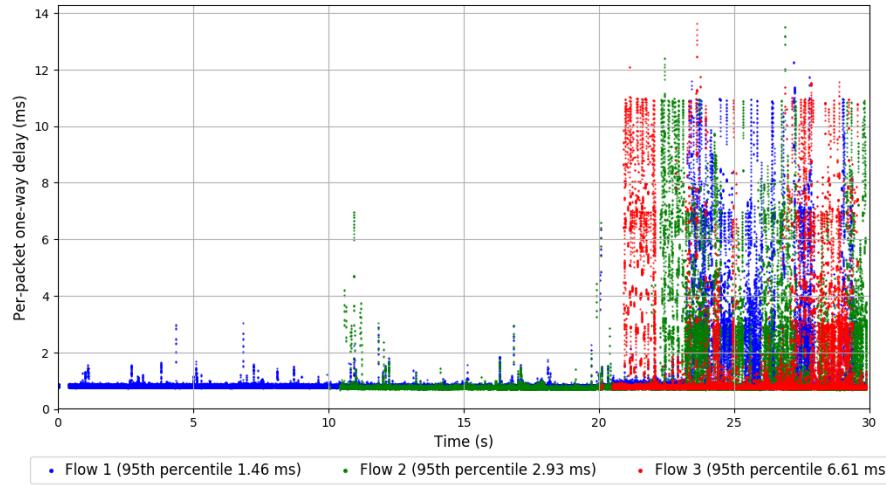
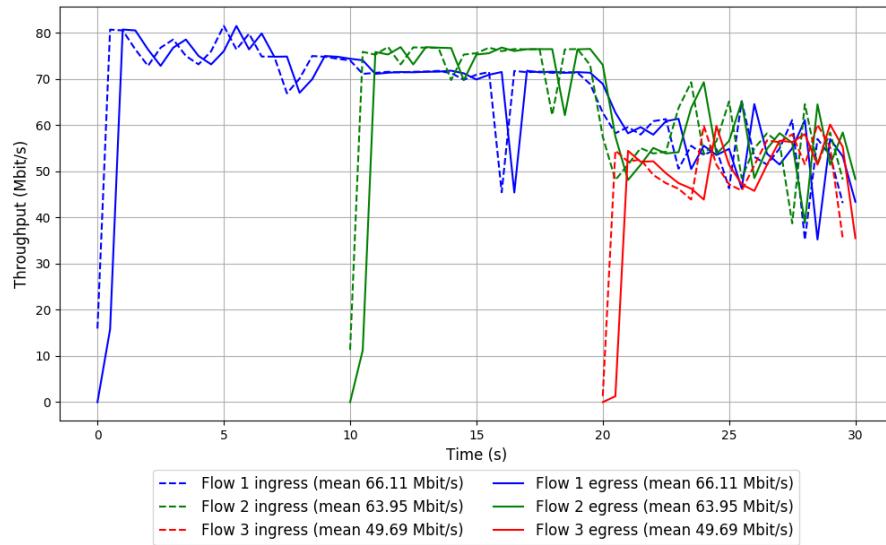


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-09-25 09:52:33
End at: 2018-09-25 09:53:03
Local clock offset: 0.269 ms
Remote clock offset: 0.326 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.97 Mbit/s
95th percentile per-packet one-way delay: 2.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 1.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.95 Mbit/s
95th percentile per-packet one-way delay: 2.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 6.611 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

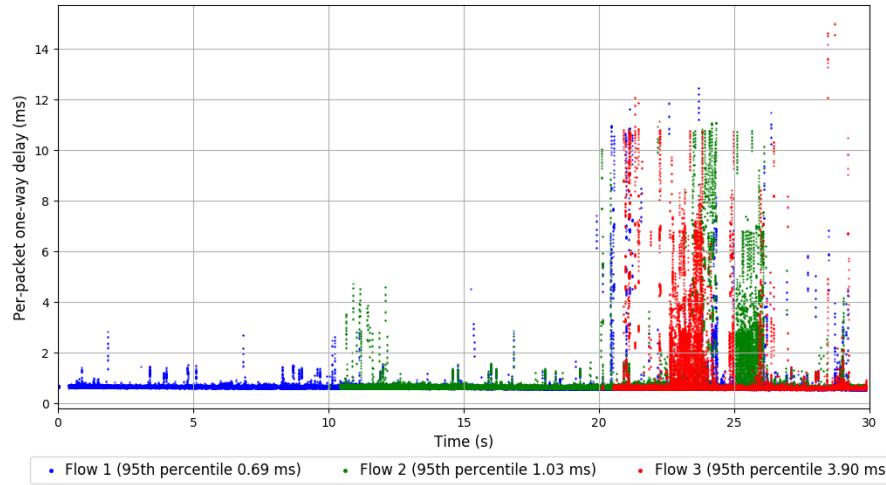
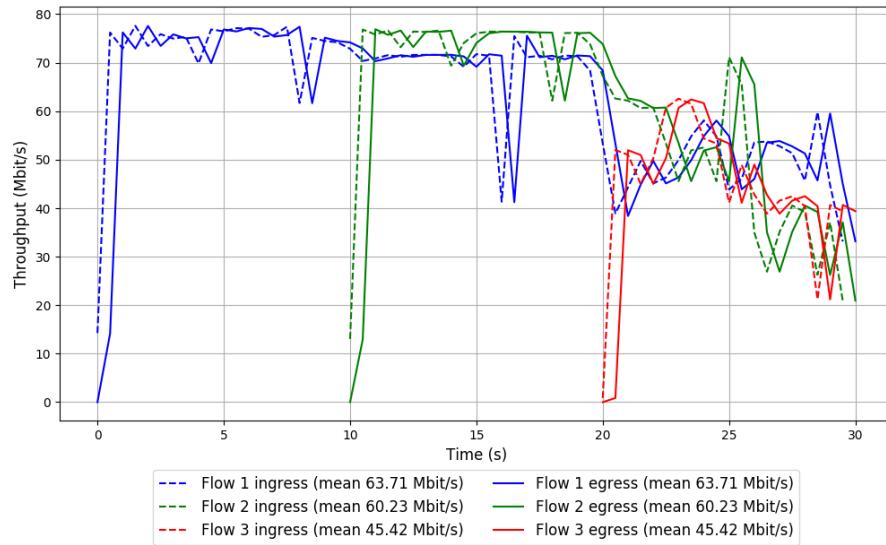


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-09-25 10:22:03
End at: 2018-09-25 10:22:33
Local clock offset: -2.36 ms
Remote clock offset: 3.173 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.64 Mbit/s
95th percentile per-packet one-way delay: 0.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 0.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 3.897 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

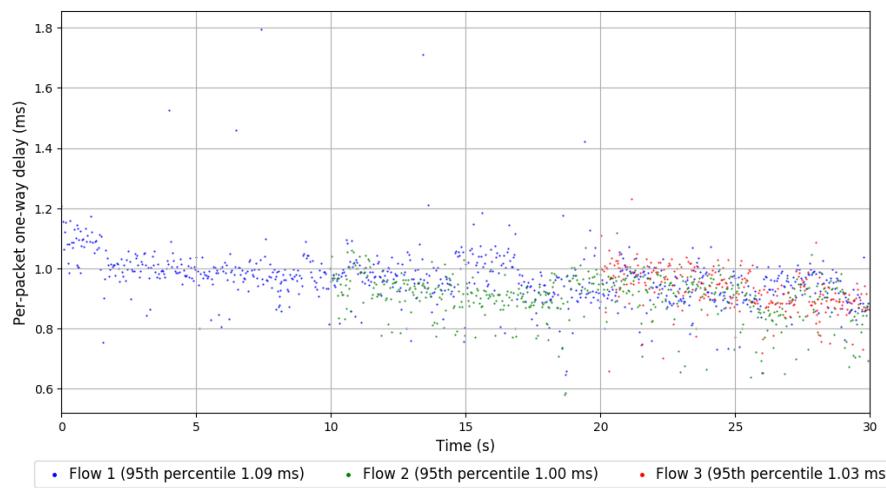
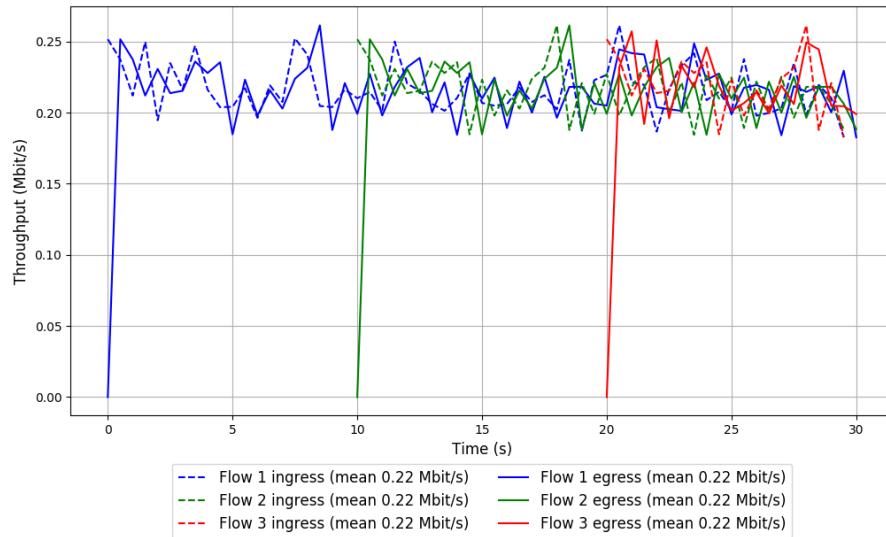


Run 1: Statistics of SCReAM

```
Start at: 2018-09-25 08:36:17
End at: 2018-09-25 08:36:47
Local clock offset: -0.022 ms
Remote clock offset: -1.603 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

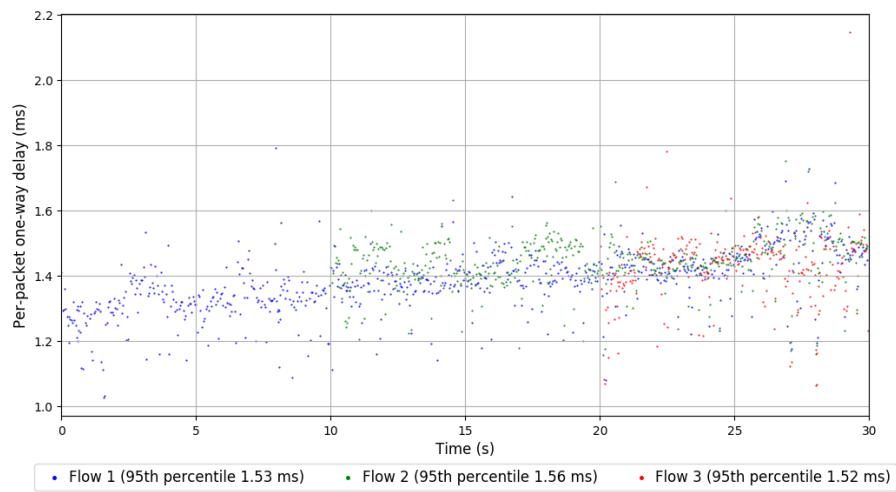
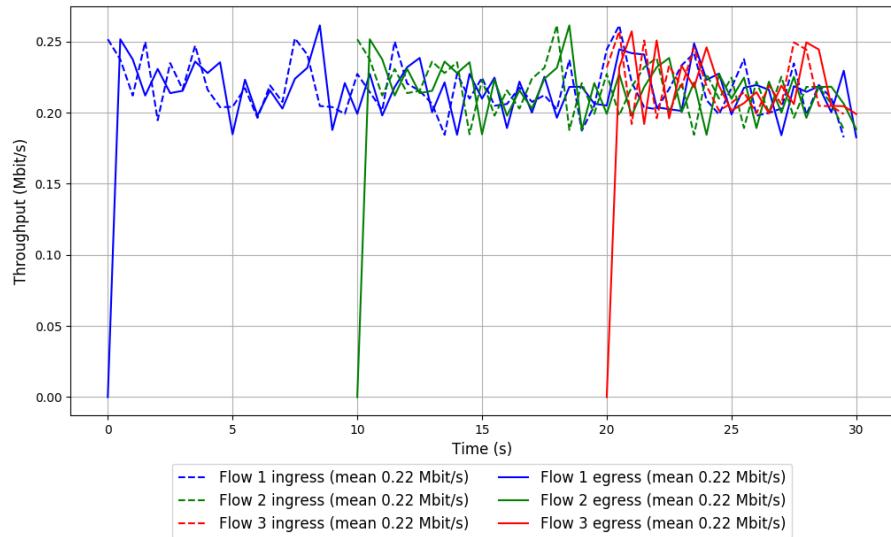


Run 2: Statistics of SCReAM

```
Start at: 2018-09-25 09:05:58
End at: 2018-09-25 09:06:28
Local clock offset: 0.162 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.526 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.522 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

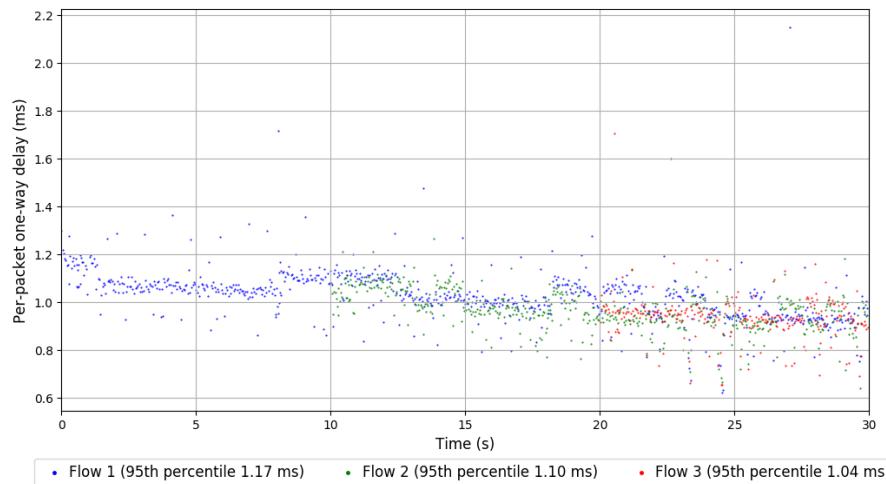
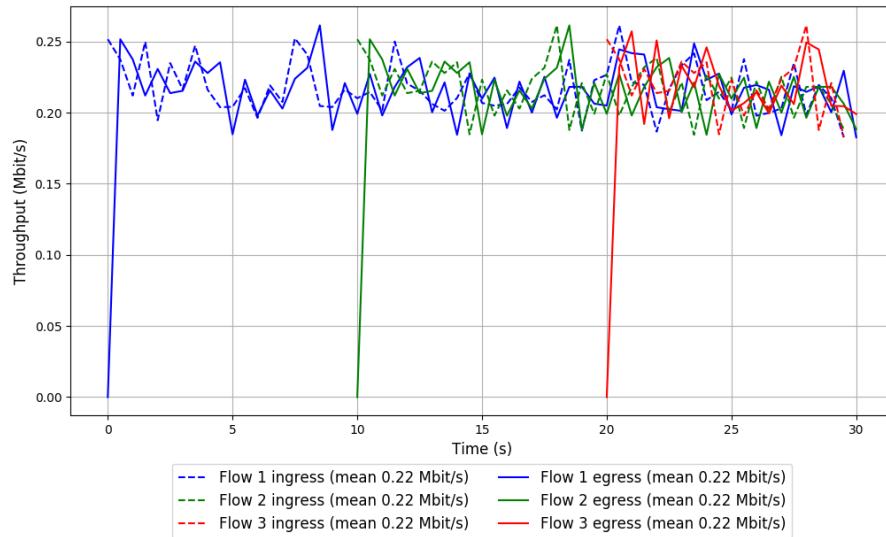


Run 3: Statistics of SCReAM

```
Start at: 2018-09-25 09:35:24
End at: 2018-09-25 09:35:54
Local clock offset: 0.253 ms
Remote clock offset: -2.681 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

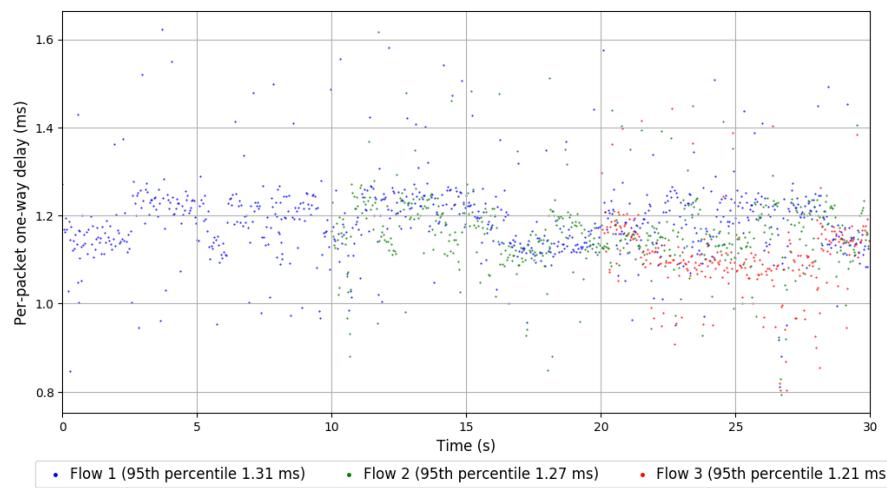
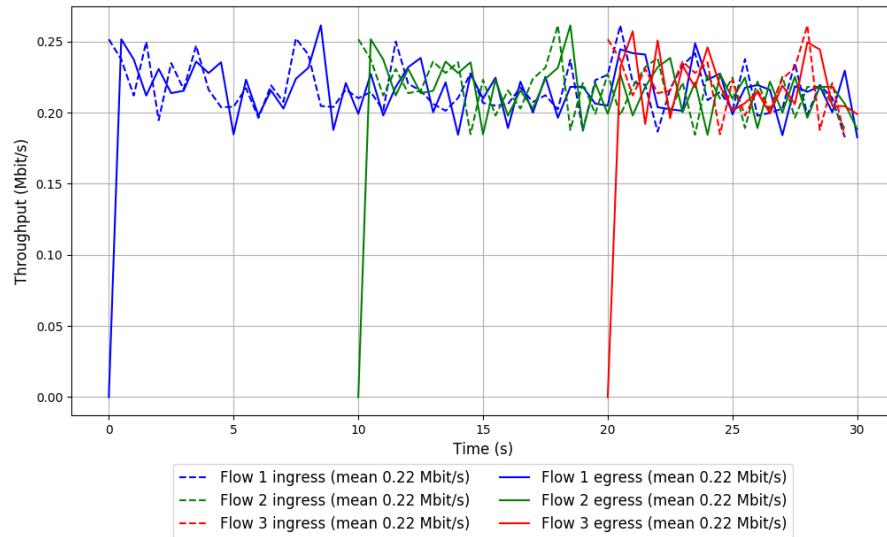


Run 4: Statistics of SCReAM

```
Start at: 2018-09-25 10:04:52
End at: 2018-09-25 10:05:22
Local clock offset: 0.22 ms
Remote clock offset: 1.182 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

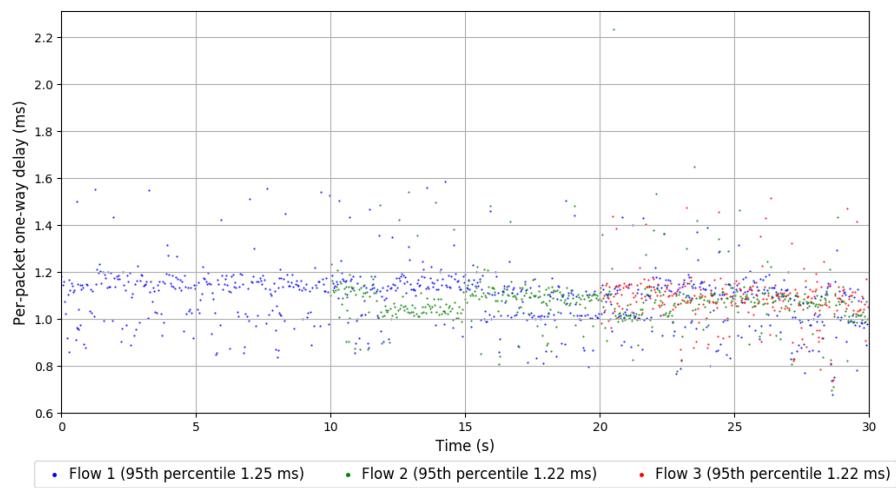
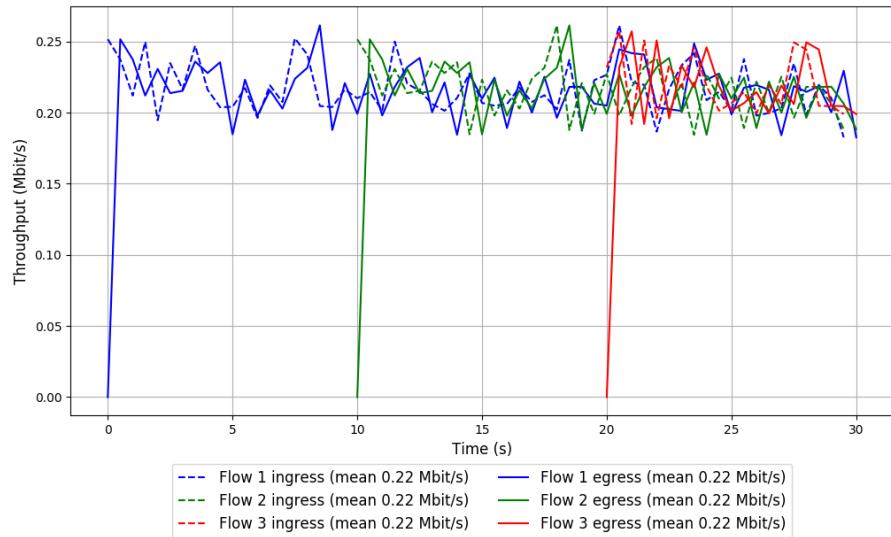


Run 5: Statistics of SCReAM

```
Start at: 2018-09-25 10:34:20
End at: 2018-09-25 10:34:50
Local clock offset: -3.385 ms
Remote clock offset: 4.195 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

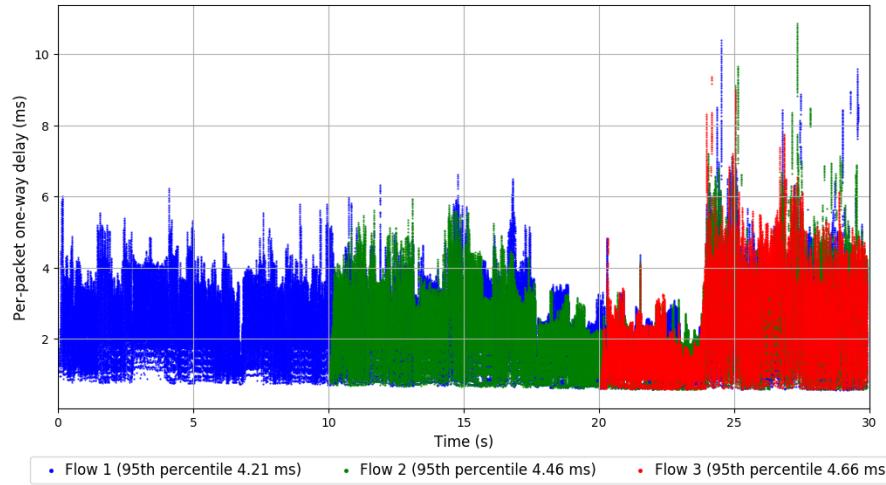
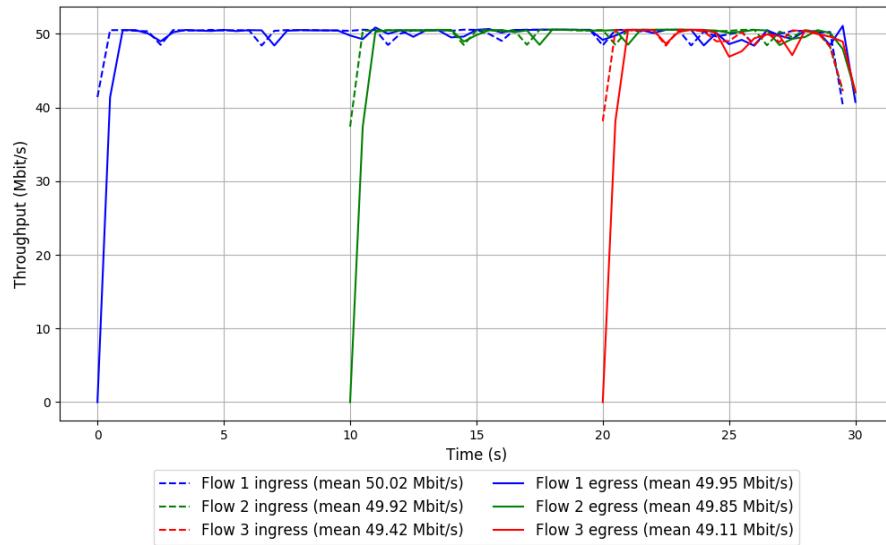


Run 1: Statistics of Sprout

```
Start at: 2018-09-25 08:31:42
End at: 2018-09-25 08:32:12
Local clock offset: -0.142 ms
Remote clock offset: -3.409 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 4.378 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.205 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 4.461 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 4.661 ms
Loss rate: 0.59%
```

Run 1: Report of Sprout — Data Link

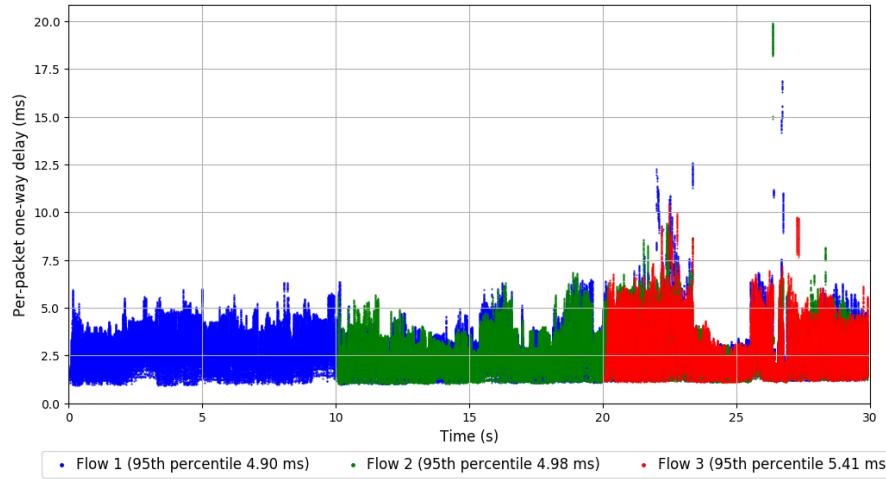
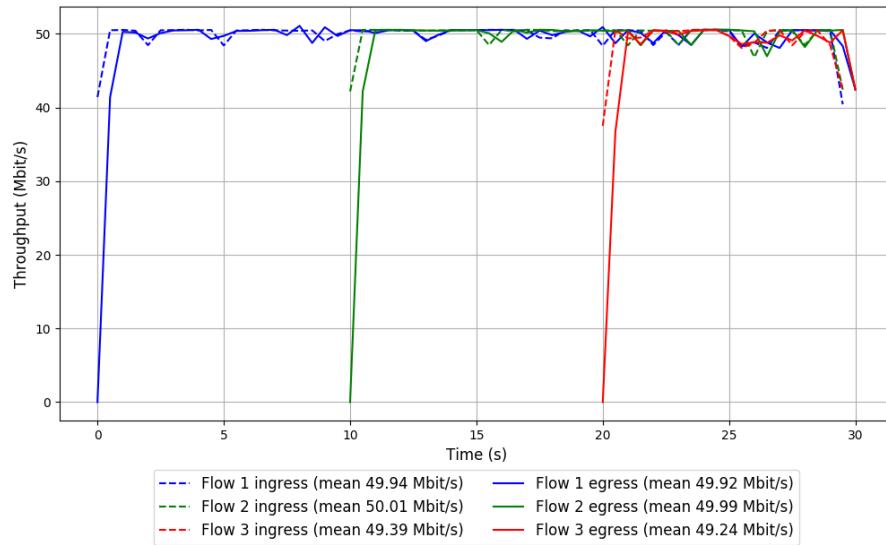


Run 2: Statistics of Sprout

```
Start at: 2018-09-25 09:01:22
End at: 2018-09-25 09:01:52
Local clock offset: 0.179 ms
Remote clock offset: 2.142 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.44 Mbit/s
95th percentile per-packet one-way delay: 5.036 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 4.897 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 4.980 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 5.410 ms
Loss rate: 0.26%
```

Run 2: Report of Sprout — Data Link

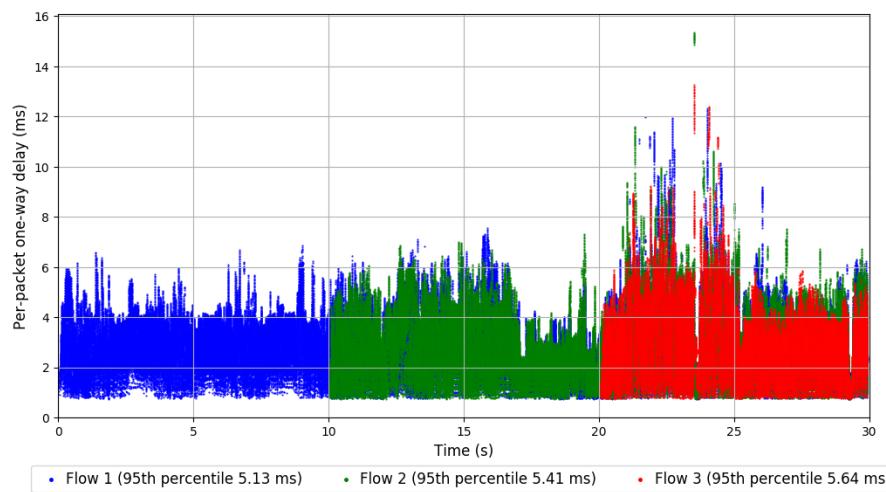
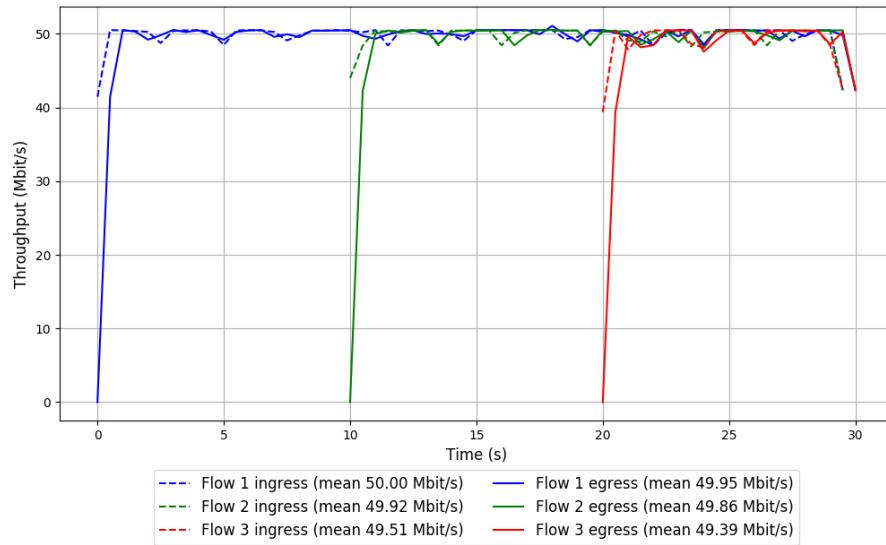


Run 3: Statistics of Sprout

```
Start at: 2018-09-25 09:30:49
End at: 2018-09-25 09:31:19
Local clock offset: 0.268 ms
Remote clock offset: -2.94 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 5.311 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 5.135 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 5.414 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 5.639 ms
Loss rate: 0.21%
```

Run 3: Report of Sprout — Data Link

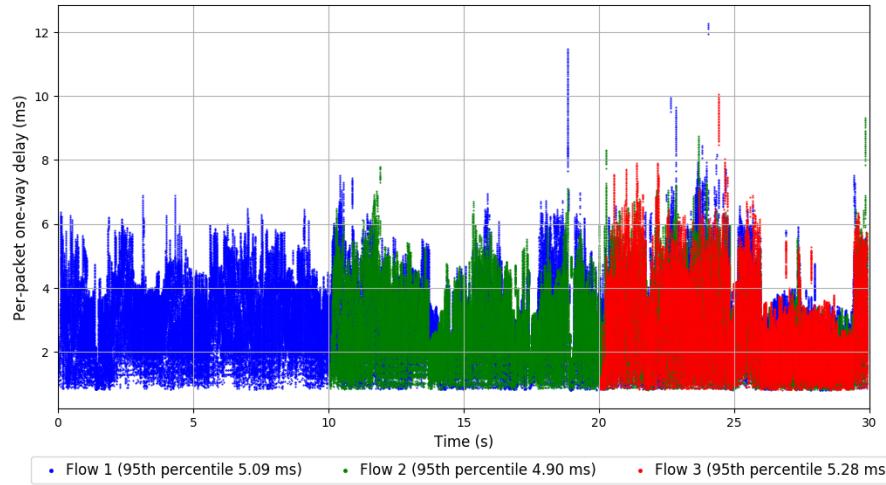
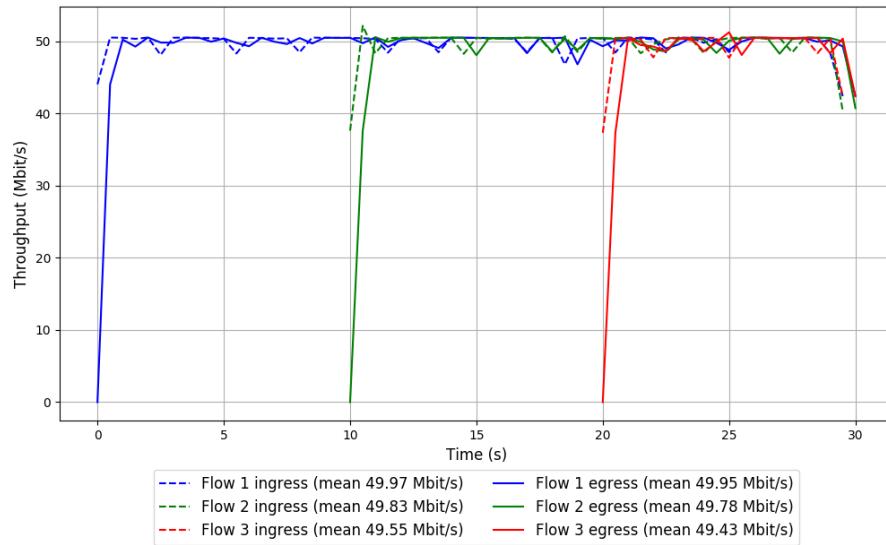


Run 4: Statistics of Sprout

```
Start at: 2018-09-25 10:00:17
End at: 2018-09-25 10:00:47
Local clock offset: 0.252 ms
Remote clock offset: 0.943 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.40 Mbit/s
95th percentile per-packet one-way delay: 5.064 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 5.095 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 4.900 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 5.276 ms
Loss rate: 0.21%
```

Run 4: Report of Sprout — Data Link

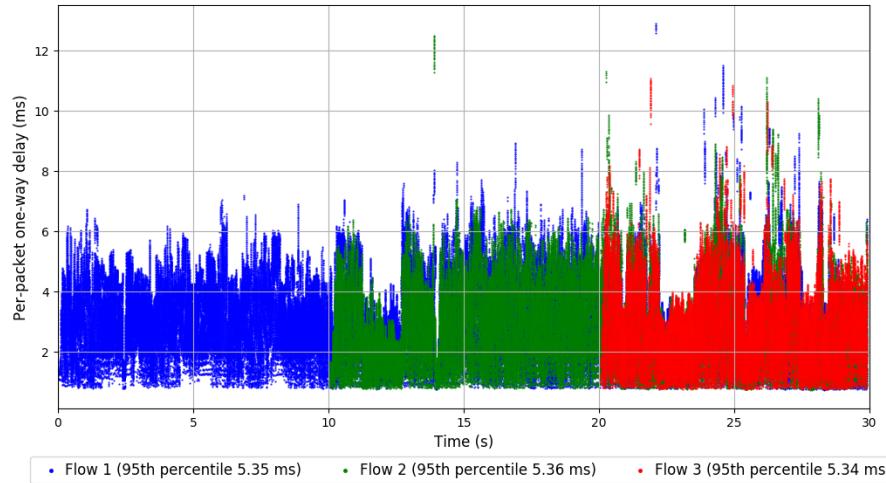
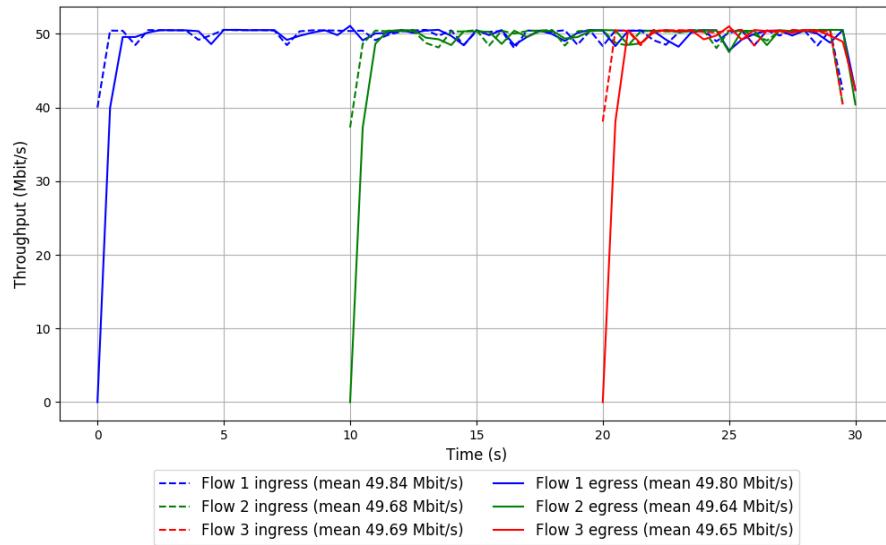


Run 5: Statistics of Sprout

```
Start at: 2018-09-25 10:29:46
End at: 2018-09-25 10:30:16
Local clock offset: -3.096 ms
Remote clock offset: 3.913 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.21 Mbit/s
95th percentile per-packet one-way delay: 5.350 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 5.348 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 5.355 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 5.345 ms
Loss rate: 0.02%
```

Run 5: Report of Sprout — Data Link

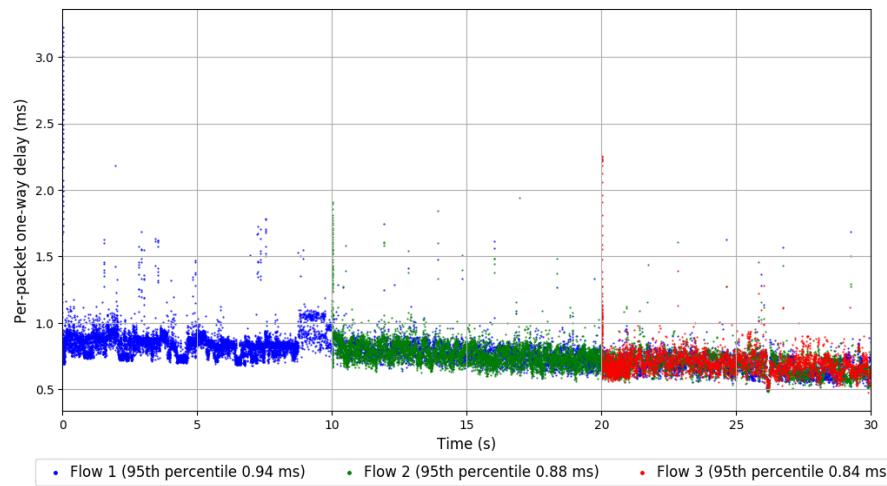
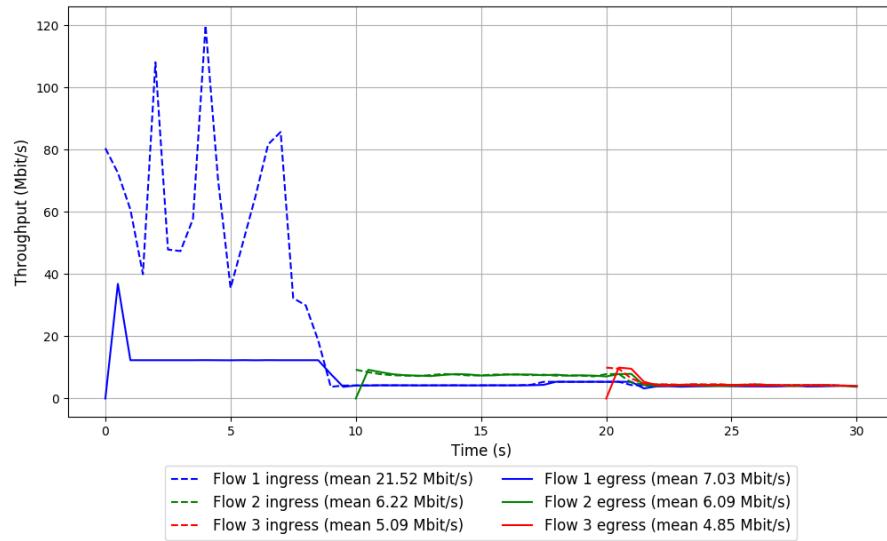


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-09-25 08:30:22
End at: 2018-09-25 08:30:52
Local clock offset: -0.209 ms
Remote clock offset: -4.169 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 53.56%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 67.31%
-- Flow 2:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 0.880 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 0.841 ms
Loss rate: 4.72%
```

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

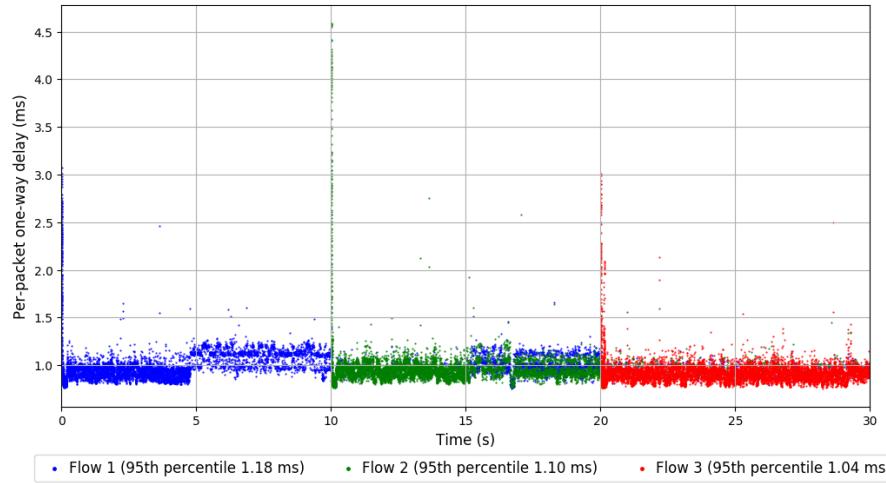
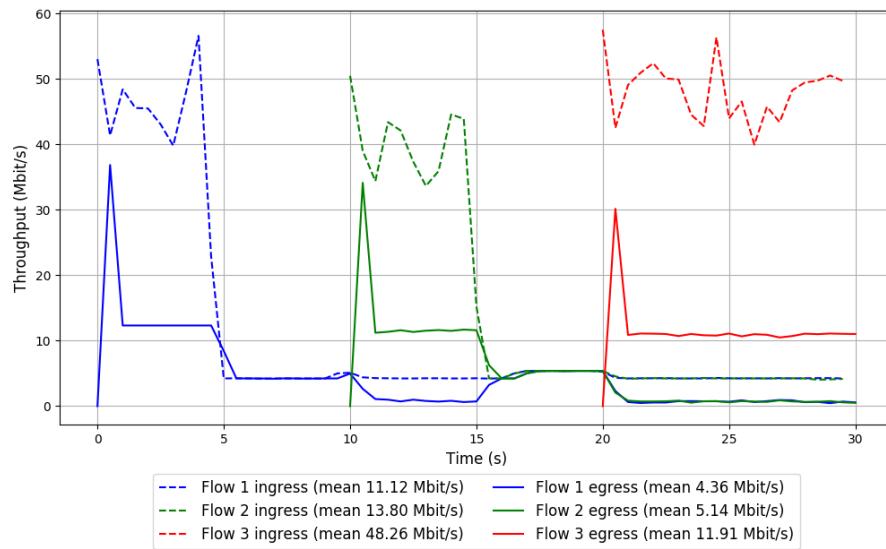


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:00:02
End at: 2018-09-25 09:00:32
Local clock offset: 0.181 ms
Remote clock offset: 2.543 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 67.73%
-- Flow 1:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 60.81%
-- Flow 2:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 62.83%
-- Flow 3:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 75.33%
```

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

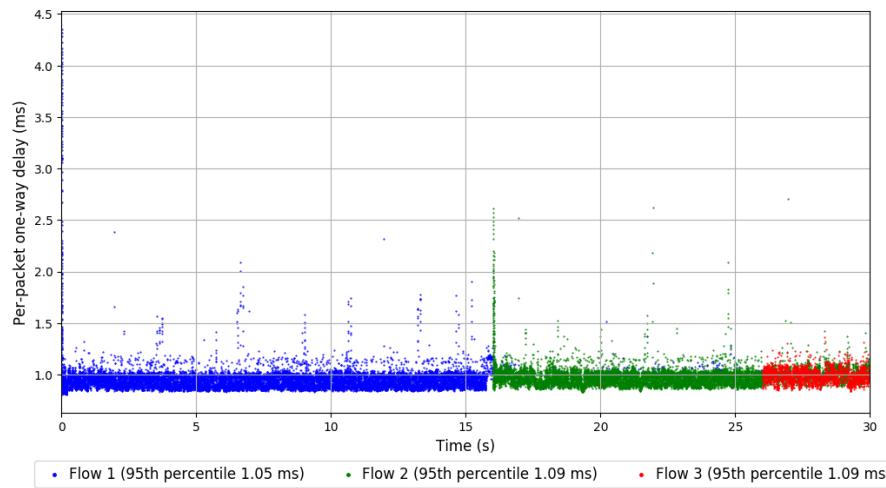
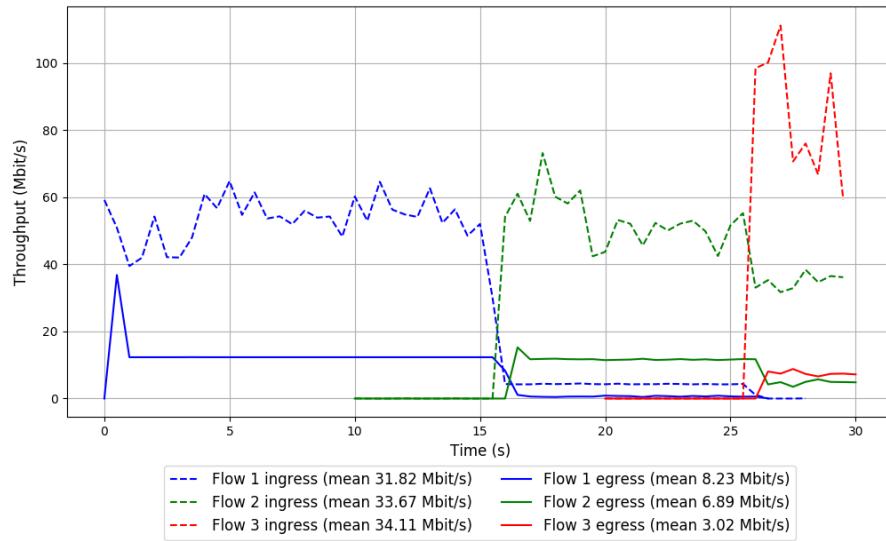


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:29:29
End at: 2018-09-25 09:29:59
Local clock offset: 0.269 ms
Remote clock offset: -2.81 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 79.95%
-- Flow 1:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 75.98%
-- Flow 2:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 79.55%
-- Flow 3:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 91.14%
```

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

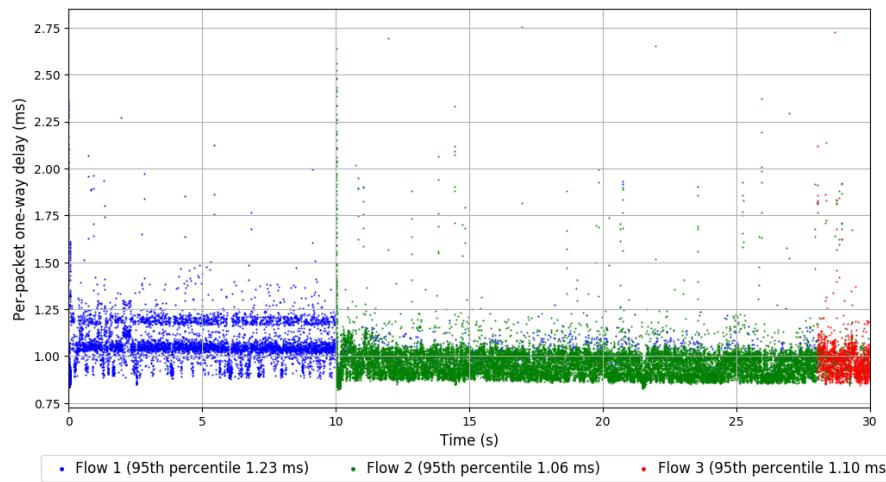
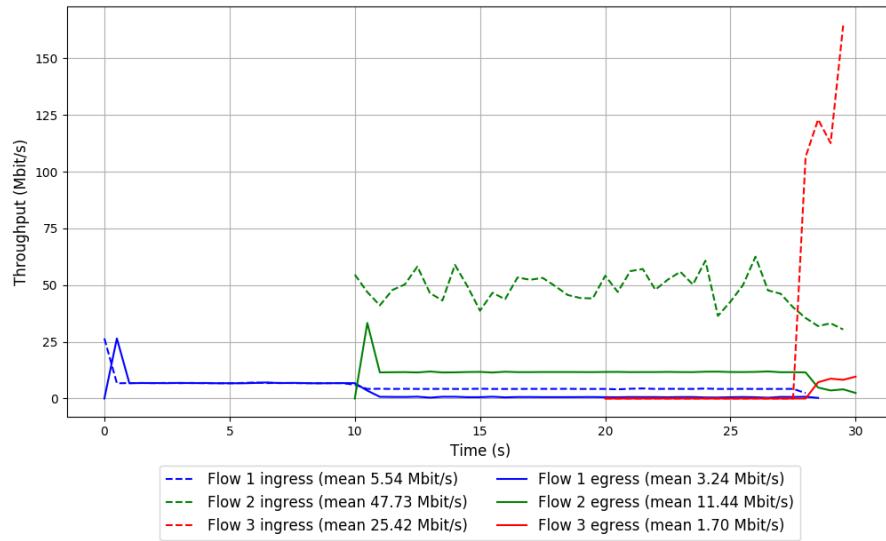


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-09-25 09:58:57
End at: 2018-09-25 09:59:27
Local clock offset: 0.255 ms
Remote clock offset: 0.898 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 75.32%
-- Flow 1:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 41.85%
-- Flow 2:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 76.04%
-- Flow 3:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 93.32%
```

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

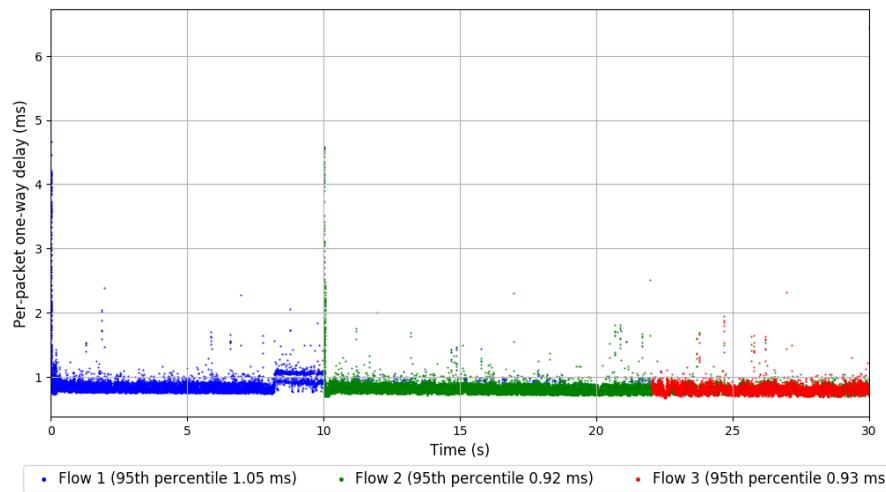
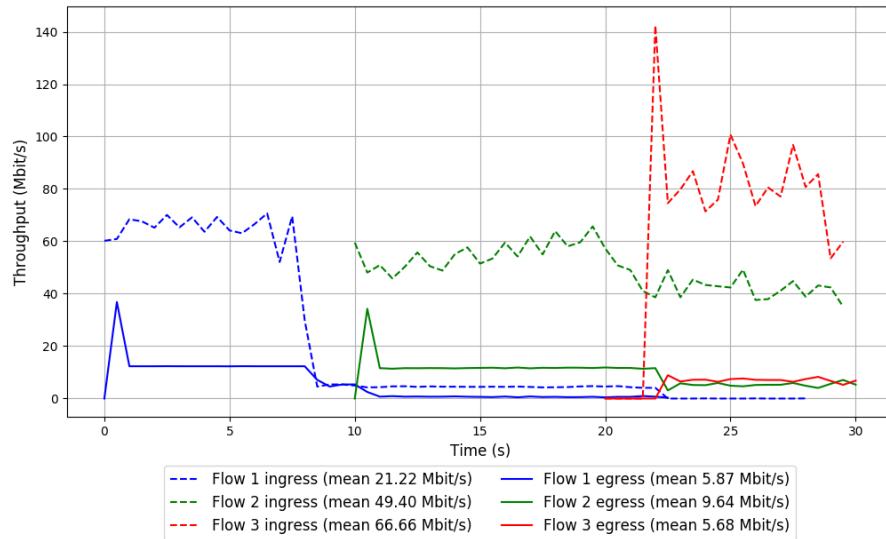


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-09-25 10:28:26
End at: 2018-09-25 10:28:56
Local clock offset: -2.974 ms
Remote clock offset: 3.777 ms

# Below is generated by plot.py at 2018-09-25 11:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 0.966 ms
Loss rate: 83.11%
-- Flow 1:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 78.17%
-- Flow 2:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 0.923 ms
Loss rate: 80.49%
-- Flow 3:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 91.47%
```

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

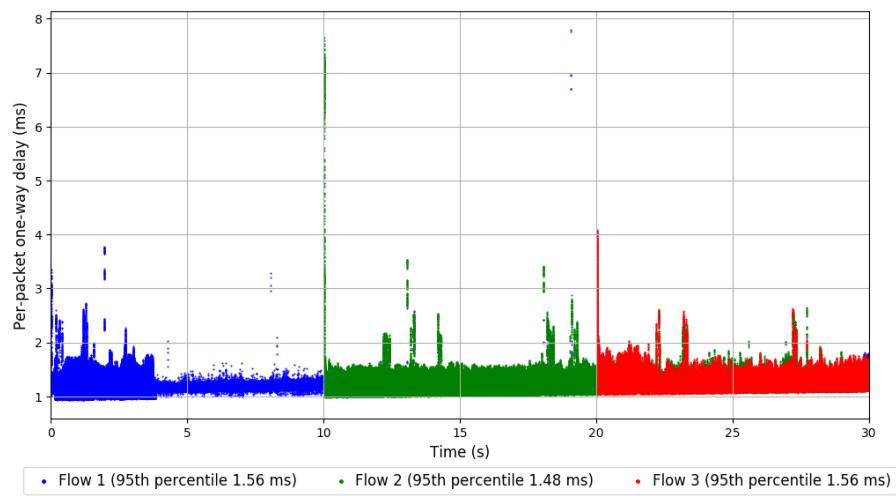
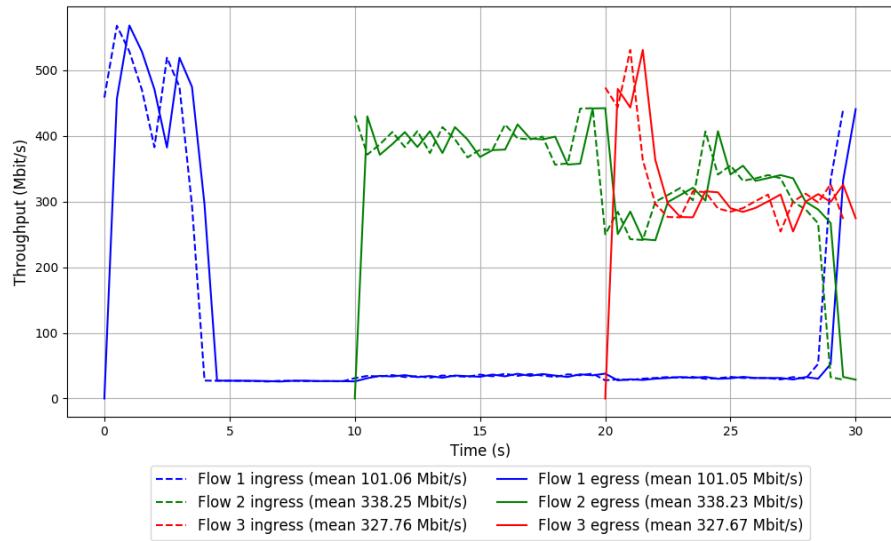


Run 1: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:16:20
End at: 2018-09-25 08:16:50
Local clock offset: -2.355 ms
Remote clock offset: -6.532 ms

# Below is generated by plot.py at 2018-09-25 11:41:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.25 Mbit/s
95th percentile per-packet one-way delay: 1.522 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 101.05 Mbit/s
95th percentile per-packet one-way delay: 1.557 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 338.23 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 327.67 Mbit/s
95th percentile per-packet one-way delay: 1.560 ms
Loss rate: 0.03%
```

Run 1: Report of TCP Vegas — Data Link

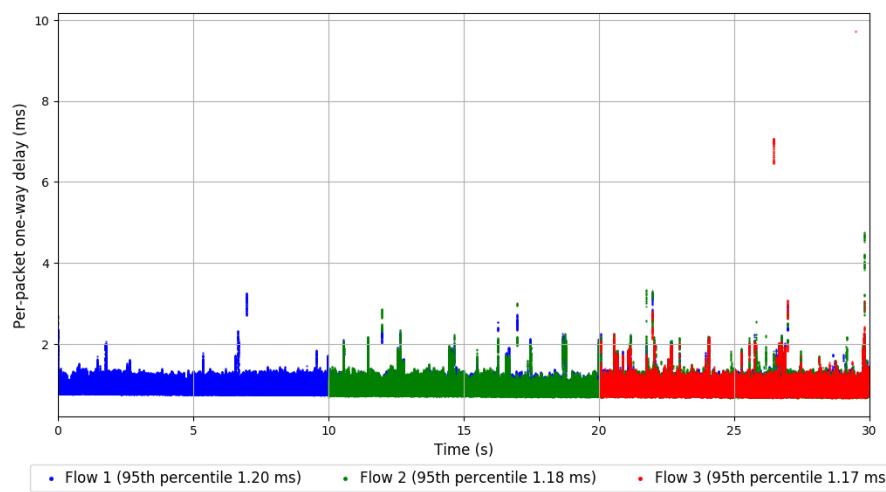
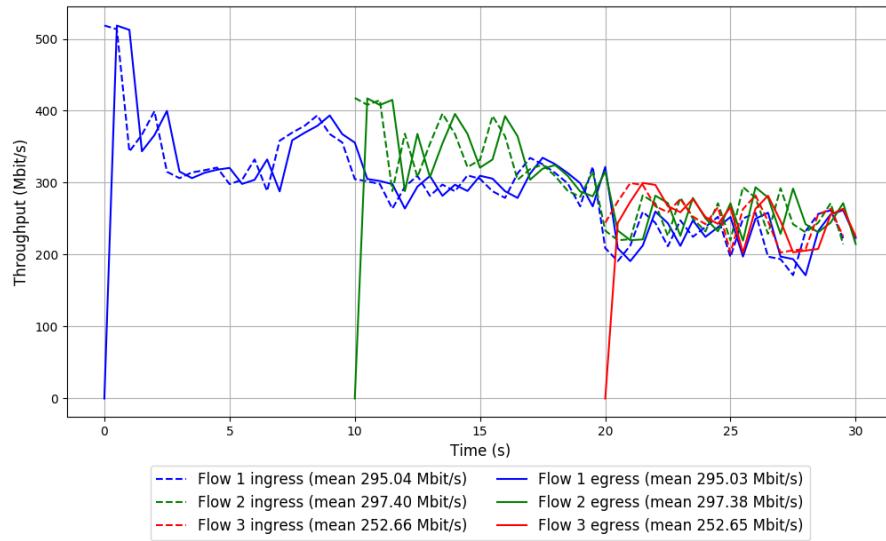


Run 2: Statistics of TCP Vegas

```
Start at: 2018-09-25 08:45:33
End at: 2018-09-25 08:46:03
Local clock offset: 0.127 ms
Remote clock offset: 0.683 ms

# Below is generated by plot.py at 2018-09-25 11:44:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.11 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 295.03 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 297.38 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 252.65 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

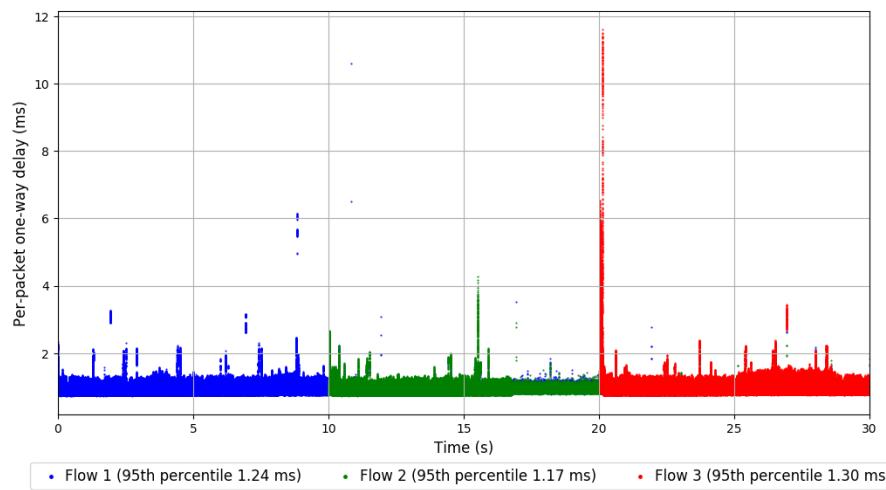
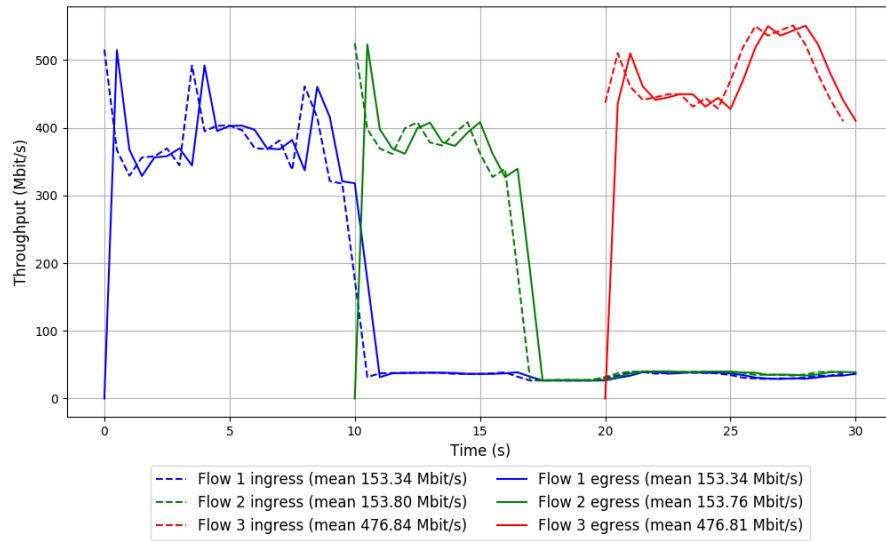


Run 3: Statistics of TCP Vegas

```
Start at: 2018-09-25 09:15:19
End at: 2018-09-25 09:15:49
Local clock offset: 0.221 ms
Remote clock offset: -2.152 ms

# Below is generated by plot.py at 2018-09-25 11:44:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.39 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 153.34 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 153.76 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 476.81 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

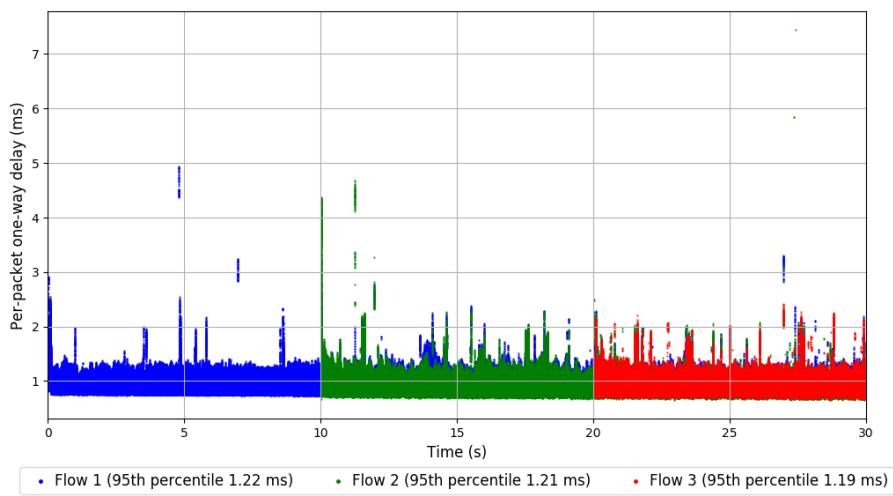
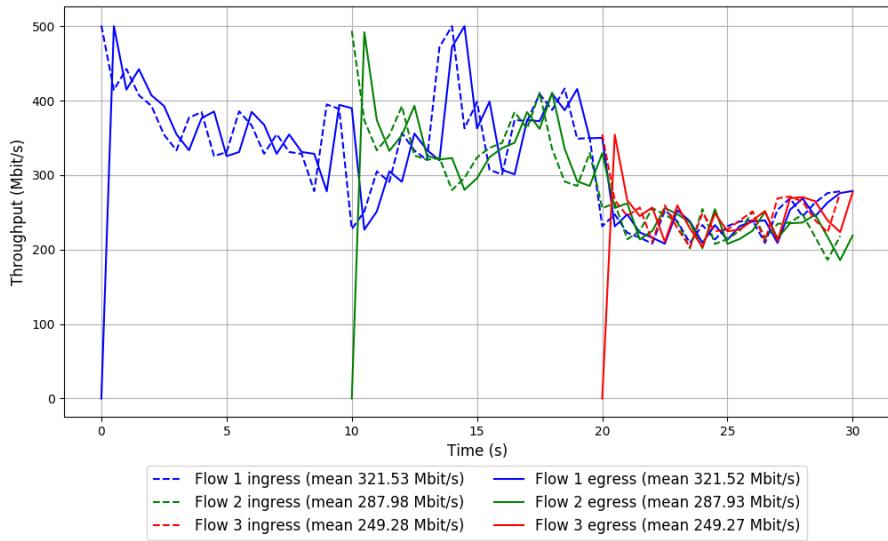


Run 4: Statistics of TCP Vegas

```
Start at: 2018-09-25 09:44:46
End at: 2018-09-25 09:45:16
Local clock offset: 0.271 ms
Remote clock offset: -0.546 ms

# Below is generated by plot.py at 2018-09-25 11:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 596.22 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 321.52 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 287.93 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 249.27 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

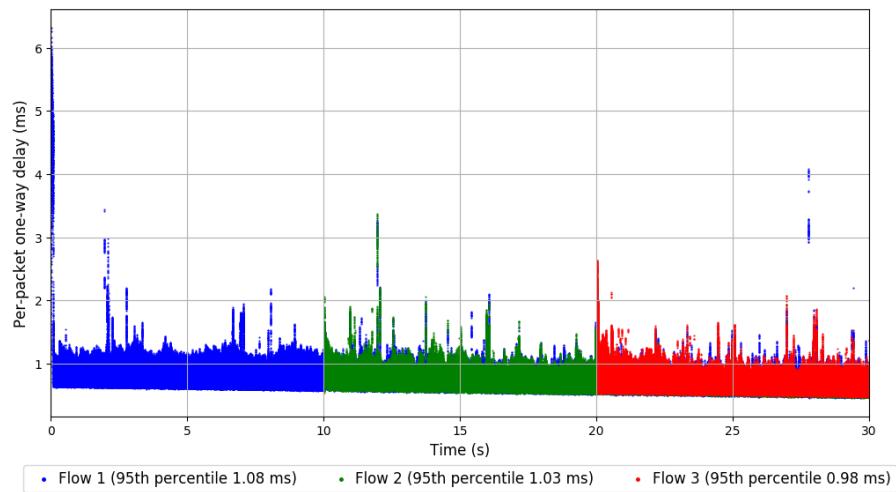
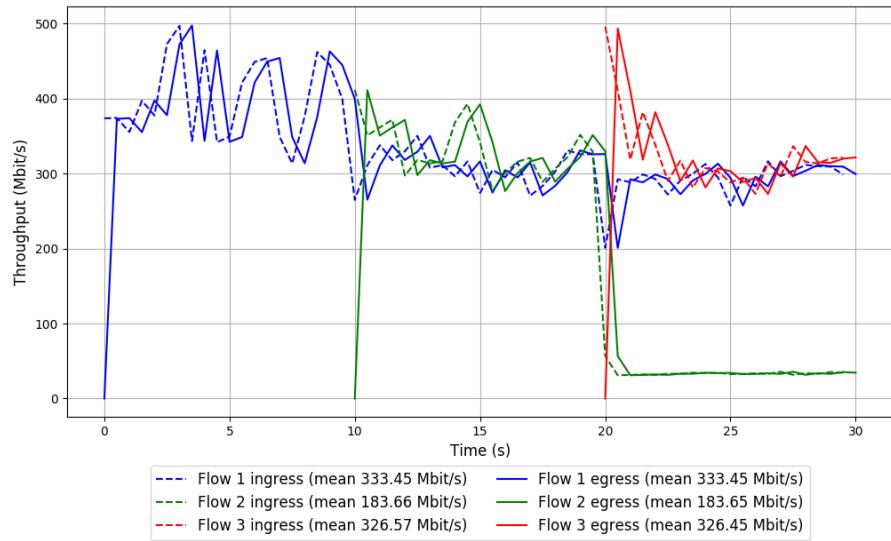


Run 5: Statistics of TCP Vegas

```
Start at: 2018-09-25 10:14:15
End at: 2018-09-25 10:14:45
Local clock offset: -1.125 ms
Remote clock offset: 2.312 ms

# Below is generated by plot.py at 2018-09-25 11:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.33 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 333.45 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.65 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 326.45 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.04%
```

Run 5: Report of TCP Vegas — Data Link

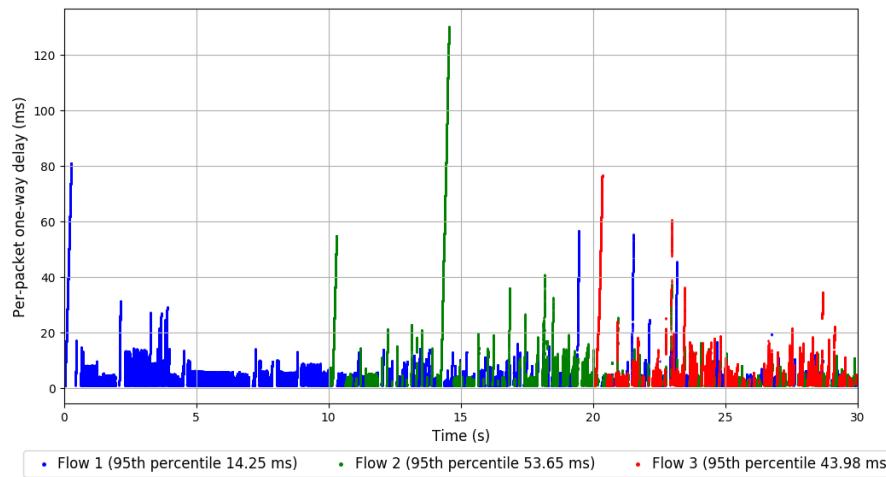
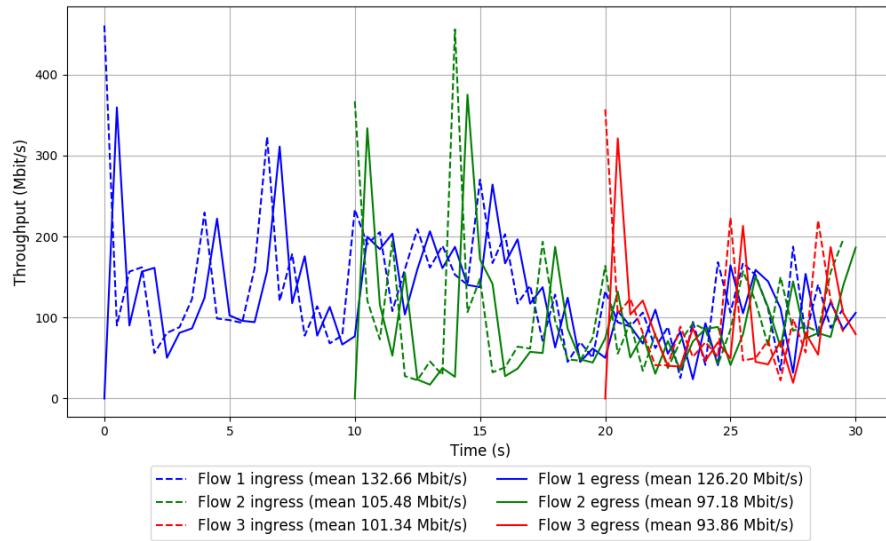


Run 1: Statistics of Verus

```
Start at: 2018-09-25 08:19:41
End at: 2018-09-25 08:20:11
Local clock offset: -1.495 ms
Remote clock offset: -6.62 ms

# Below is generated by plot.py at 2018-09-25 11:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.61 Mbit/s
95th percentile per-packet one-way delay: 33.125 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 126.20 Mbit/s
95th percentile per-packet one-way delay: 14.252 ms
Loss rate: 4.86%
-- Flow 2:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 53.652 ms
Loss rate: 7.82%
-- Flow 3:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 43.983 ms
Loss rate: 7.38%
```

Run 1: Report of Verus — Data Link

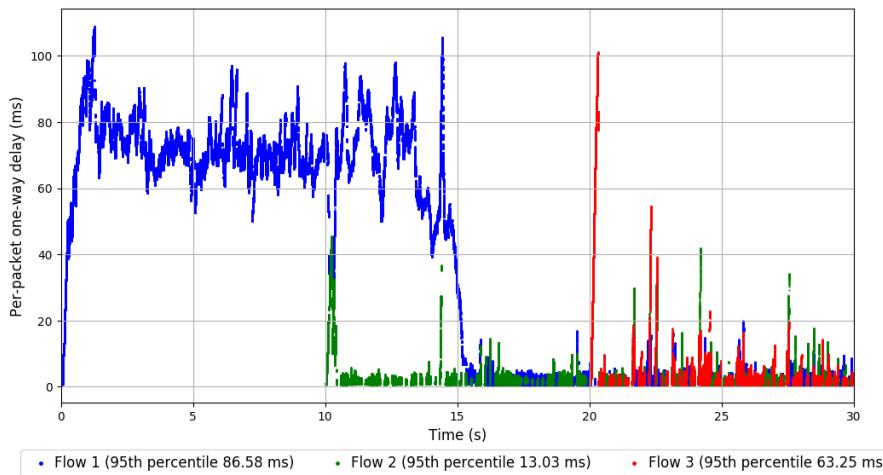
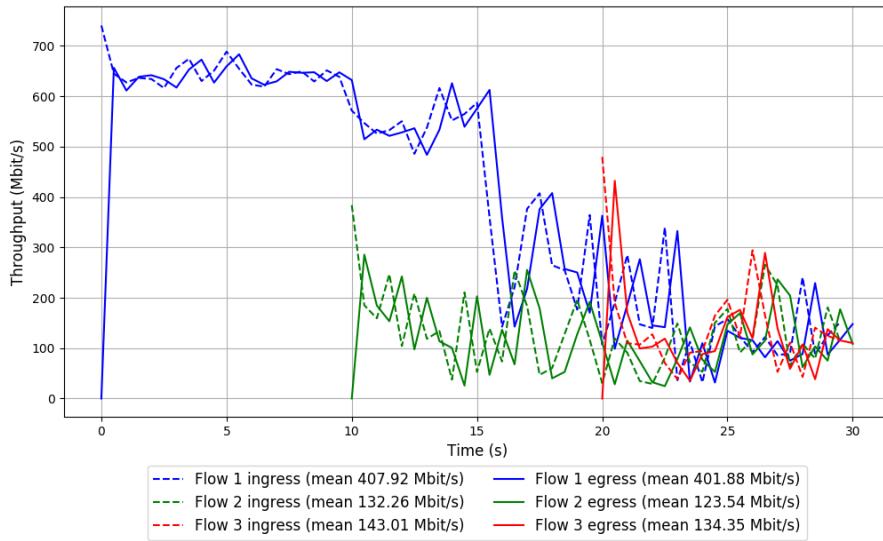


Run 2: Statistics of Verus

```
Start at: 2018-09-25 08:48:58
End at: 2018-09-25 08:49:28
Local clock offset: 0.145 ms
Remote clock offset: 1.177 ms

# Below is generated by plot.py at 2018-09-25 11:44:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.17 Mbit/s
95th percentile per-packet one-way delay: 84.925 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 401.88 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 123.54 Mbit/s
95th percentile per-packet one-way delay: 13.032 ms
Loss rate: 6.59%
-- Flow 3:
Average throughput: 134.35 Mbit/s
95th percentile per-packet one-way delay: 63.251 ms
Loss rate: 6.02%
```

Run 2: Report of Verus — Data Link

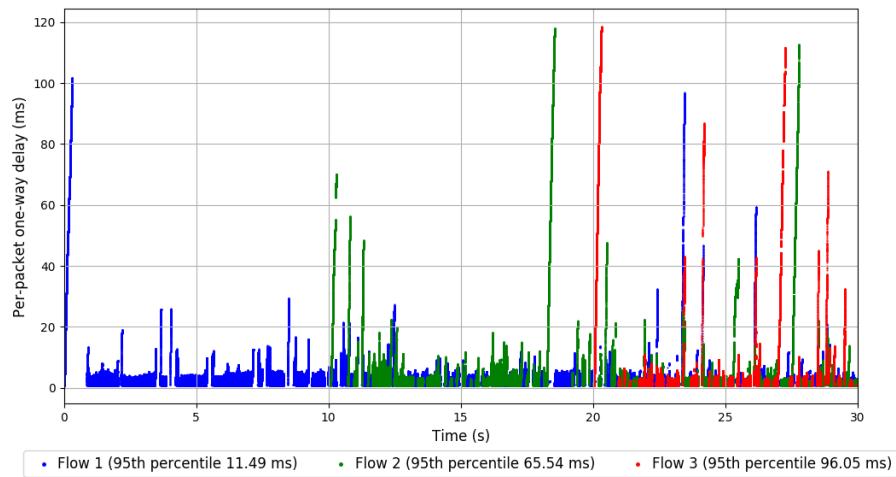
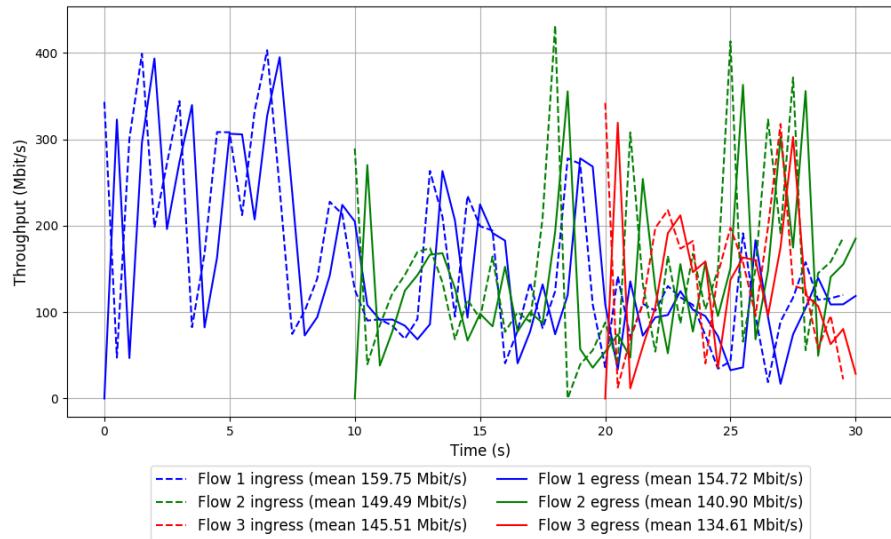


Run 3: Statistics of Verus

```
Start at: 2018-09-25 09:18:39
End at: 2018-09-25 09:19:09
Local clock offset: 0.244 ms
Remote clock offset: -2.427 ms

# Below is generated by plot.py at 2018-09-25 11:44:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.04 Mbit/s
95th percentile per-packet one-way delay: 53.108 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 154.72 Mbit/s
95th percentile per-packet one-way delay: 11.491 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 140.90 Mbit/s
95th percentile per-packet one-way delay: 65.540 ms
Loss rate: 5.74%
-- Flow 3:
Average throughput: 134.61 Mbit/s
95th percentile per-packet one-way delay: 96.049 ms
Loss rate: 7.48%
```

Run 3: Report of Verus — Data Link

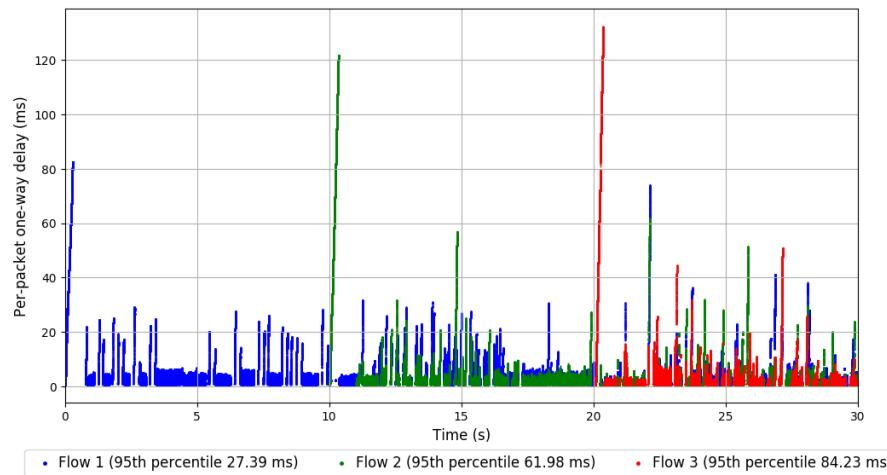
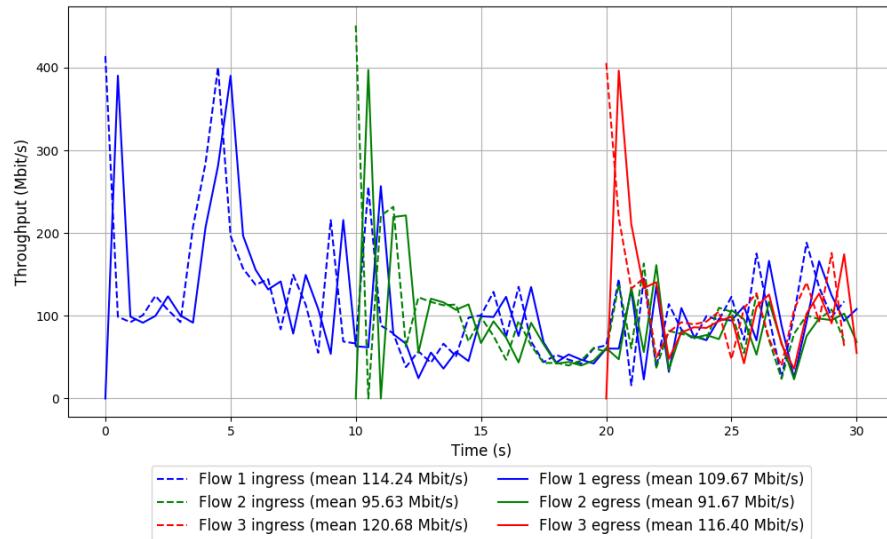


Run 4: Statistics of Verus

```
Start at: 2018-09-25 09:48:09
End at: 2018-09-25 09:48:39
Local clock offset: 0.28 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-09-25 11:44:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 209.16 Mbit/s
95th percentile per-packet one-way delay: 46.606 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 109.67 Mbit/s
95th percentile per-packet one-way delay: 27.389 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 61.982 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 116.40 Mbit/s
95th percentile per-packet one-way delay: 84.235 ms
Loss rate: 3.54%
```

Run 4: Report of Verus — Data Link

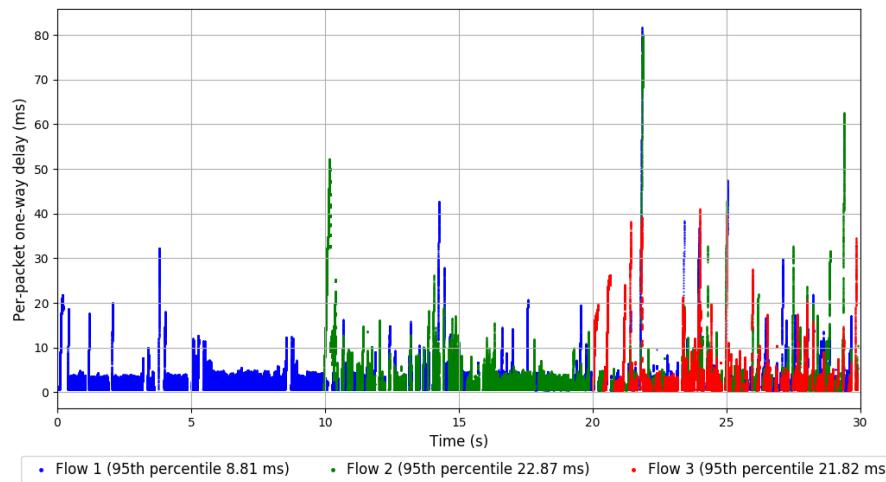
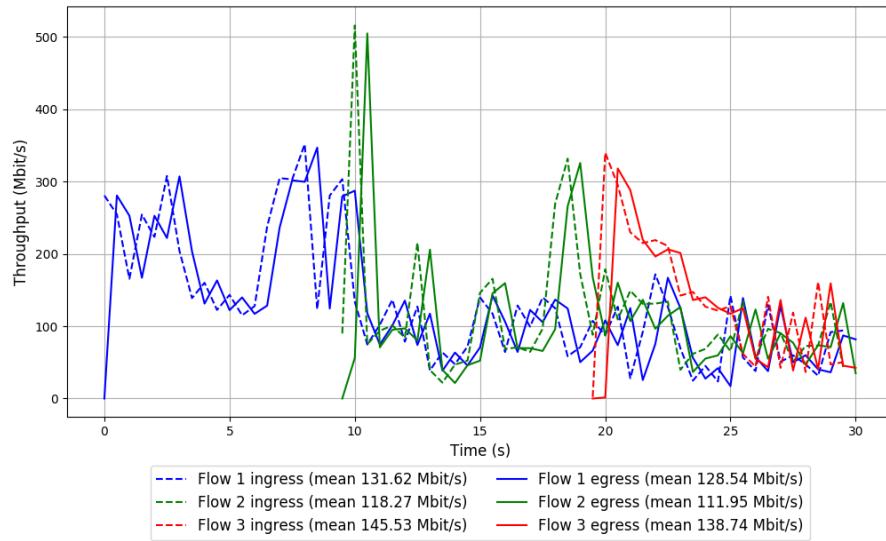


Run 5: Statistics of Verus

```
Start at: 2018-09-25 10:17:39
End at: 2018-09-25 10:18:09
Local clock offset: -1.755 ms
Remote clock offset: 2.694 ms

# Below is generated by plot.py at 2018-09-25 11:45:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 249.22 Mbit/s
95th percentile per-packet one-way delay: 16.773 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 128.54 Mbit/s
95th percentile per-packet one-way delay: 8.807 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 111.95 Mbit/s
95th percentile per-packet one-way delay: 22.873 ms
Loss rate: 5.30%
-- Flow 3:
Average throughput: 138.74 Mbit/s
95th percentile per-packet one-way delay: 21.822 ms
Loss rate: 4.62%
```

Run 5: Report of Verus — Data Link

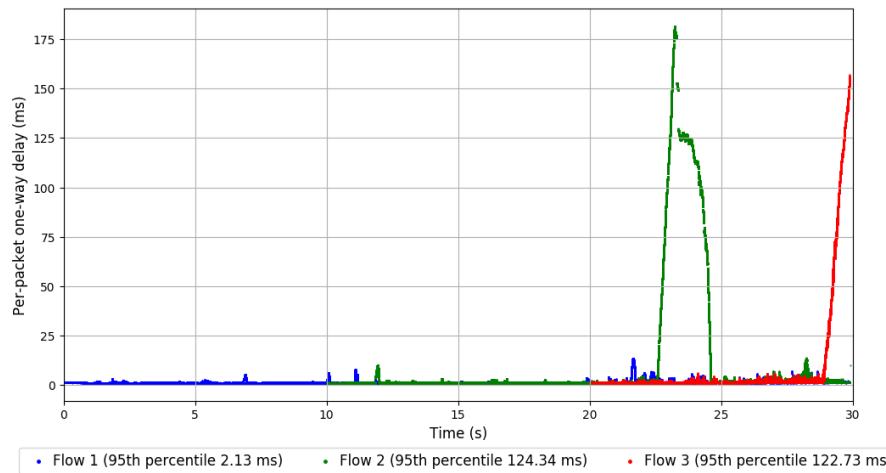
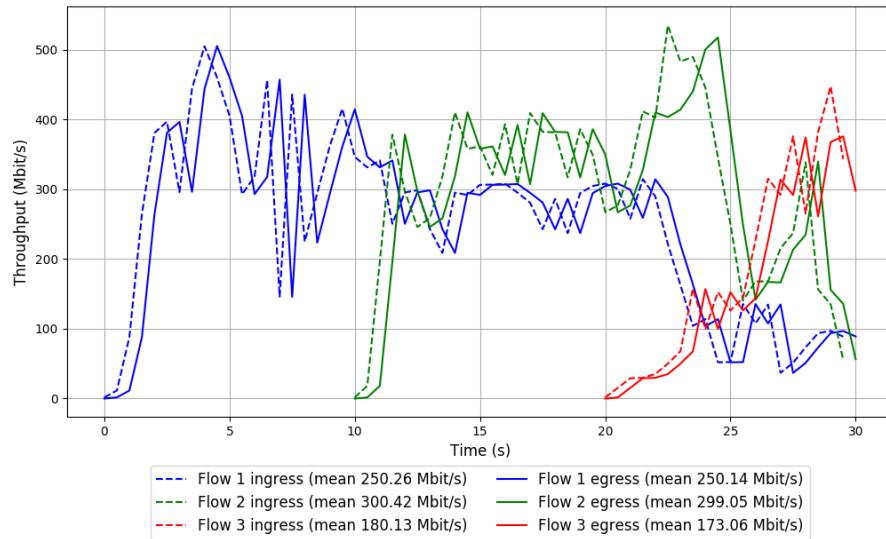


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-09-25 08:14:37
End at: 2018-09-25 08:15:07
Local clock offset: -3.017 ms
Remote clock offset: -6.353 ms

# Below is generated by plot.py at 2018-09-25 11:47:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 506.09 Mbit/s
95th percentile per-packet one-way delay: 99.318 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 250.14 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 299.05 Mbit/s
95th percentile per-packet one-way delay: 124.344 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 173.06 Mbit/s
95th percentile per-packet one-way delay: 122.728 ms
Loss rate: 3.98%
```

Run 1: Report of PCC-Vivace — Data Link

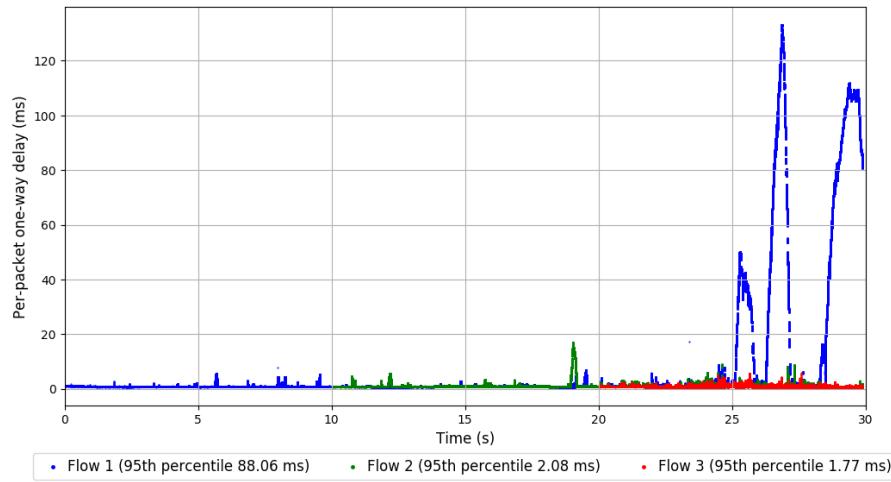
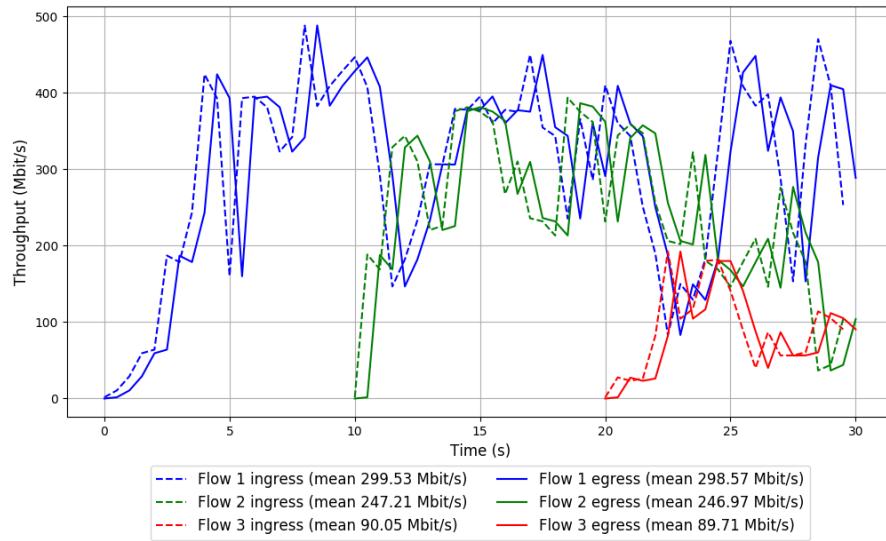


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-09-25 08:43:51
End at: 2018-09-25 08:44:21
Local clock offset: 0.114 ms
Remote clock offset: 0.347 ms

# Below is generated by plot.py at 2018-09-25 11:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 492.46 Mbit/s
95th percentile per-packet one-way delay: 49.908 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 298.57 Mbit/s
95th percentile per-packet one-way delay: 88.059 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 246.97 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.38%
```

Run 2: Report of PCC-Vivace — Data Link

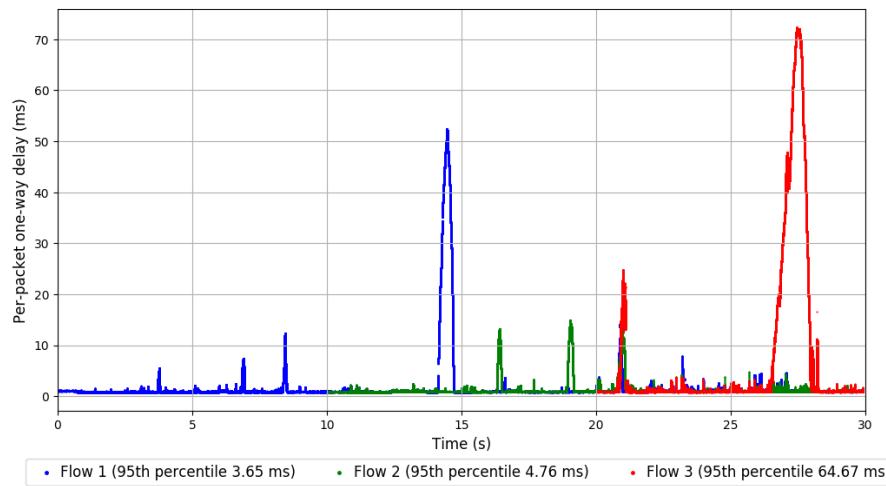
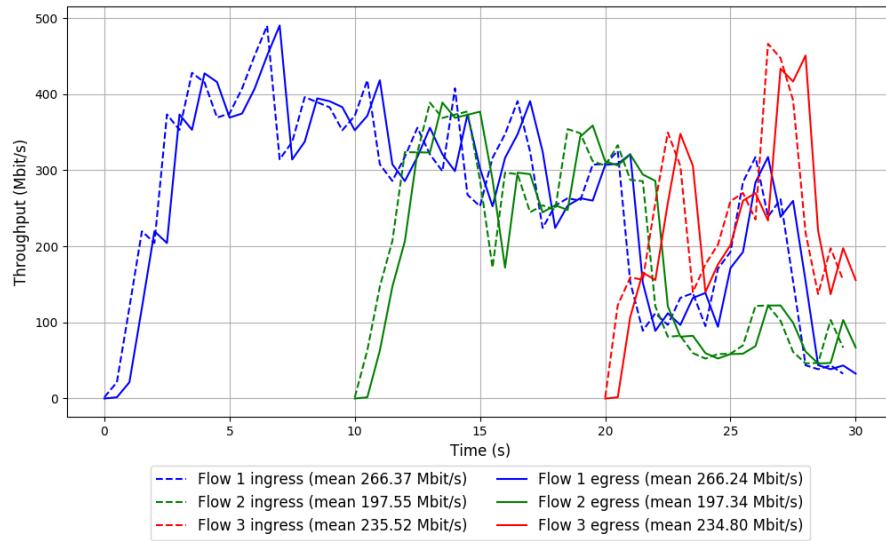


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-09-25 09:13:38
End at: 2018-09-25 09:14:08
Local clock offset: 0.203 ms
Remote clock offset: -1.907 ms

# Below is generated by plot.py at 2018-09-25 11:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.01 Mbit/s
95th percentile per-packet one-way delay: 18.016 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 266.24 Mbit/s
95th percentile per-packet one-way delay: 3.647 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 197.34 Mbit/s
95th percentile per-packet one-way delay: 4.759 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 234.80 Mbit/s
95th percentile per-packet one-way delay: 64.668 ms
Loss rate: 0.31%
```

Run 3: Report of PCC-Vivace — Data Link

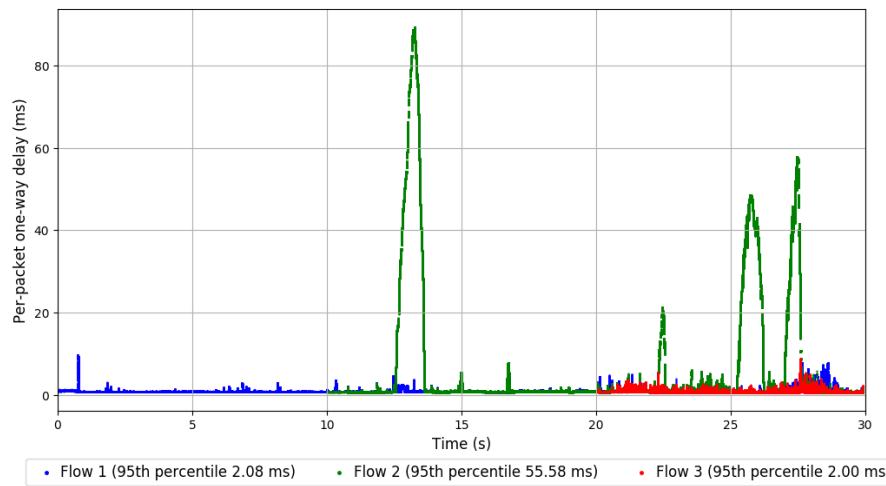
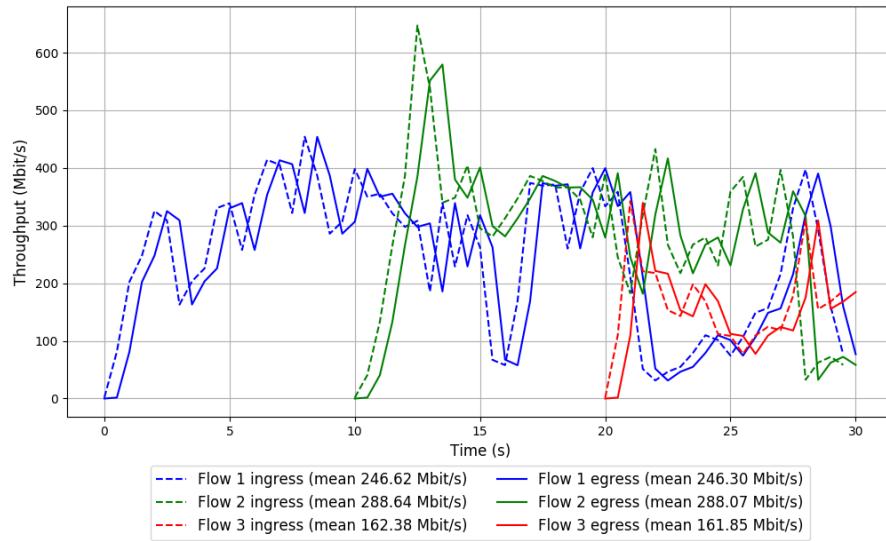


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-09-25 09:43:04
End at: 2018-09-25 09:43:34
Local clock offset: 0.257 ms
Remote clock offset: -0.793 ms

# Below is generated by plot.py at 2018-09-25 11:48:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.32 Mbit/s
95th percentile per-packet one-way delay: 37.399 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 246.30 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 288.07 Mbit/s
95th percentile per-packet one-way delay: 55.584 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 161.85 Mbit/s
95th percentile per-packet one-way delay: 1.998 ms
Loss rate: 0.34%
```

Run 4: Report of PCC-Vivace — Data Link

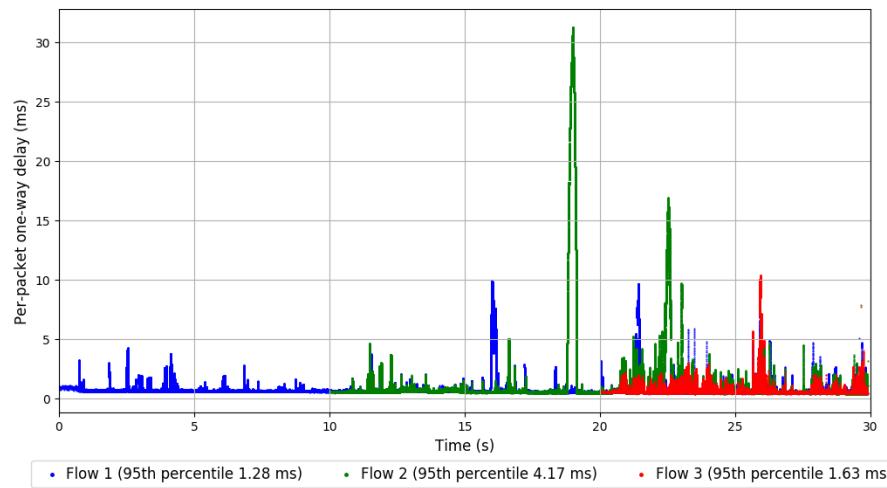
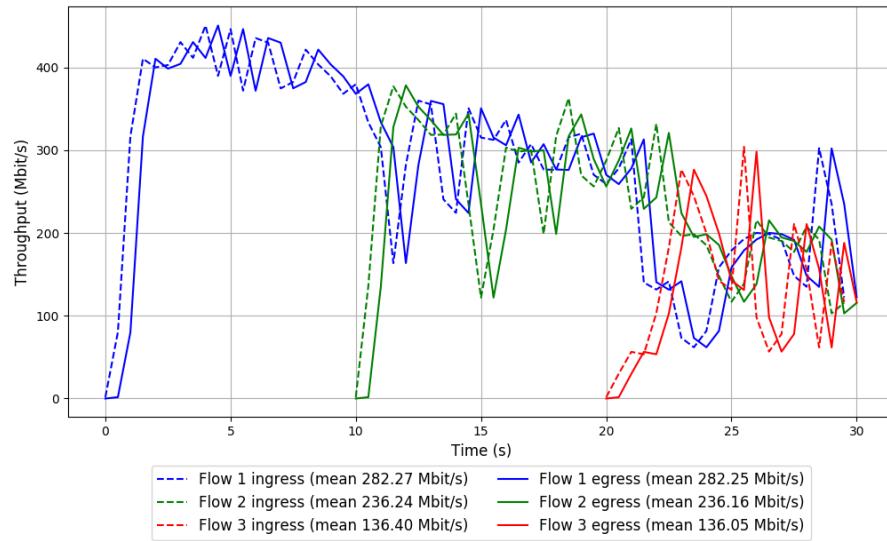


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-09-25 10:12:33
End at: 2018-09-25 10:13:03
Local clock offset: -0.691 ms
Remote clock offset: 2.067 ms

# Below is generated by plot.py at 2018-09-25 11:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.25 Mbit/s
95th percentile per-packet one-way delay: 1.835 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 282.25 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 236.16 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 136.05 Mbit/s
95th percentile per-packet one-way delay: 1.631 ms
Loss rate: 0.26%
```

Run 5: Report of PCC-Vivace — Data Link

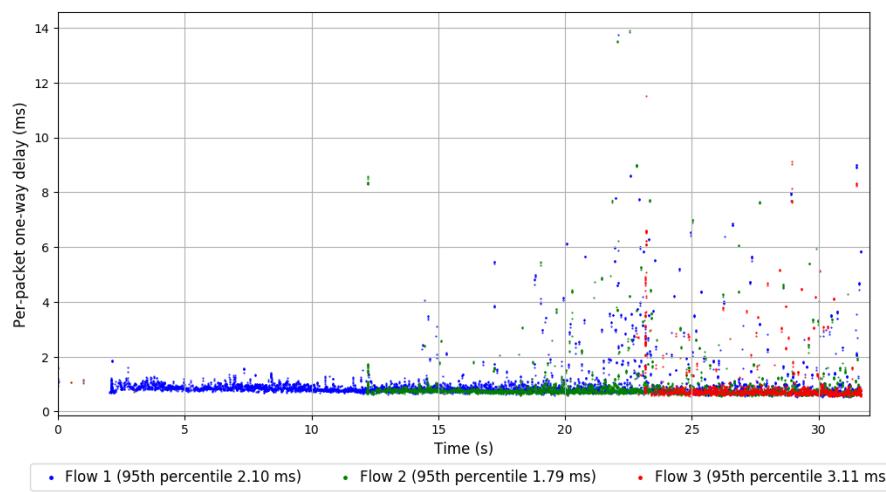
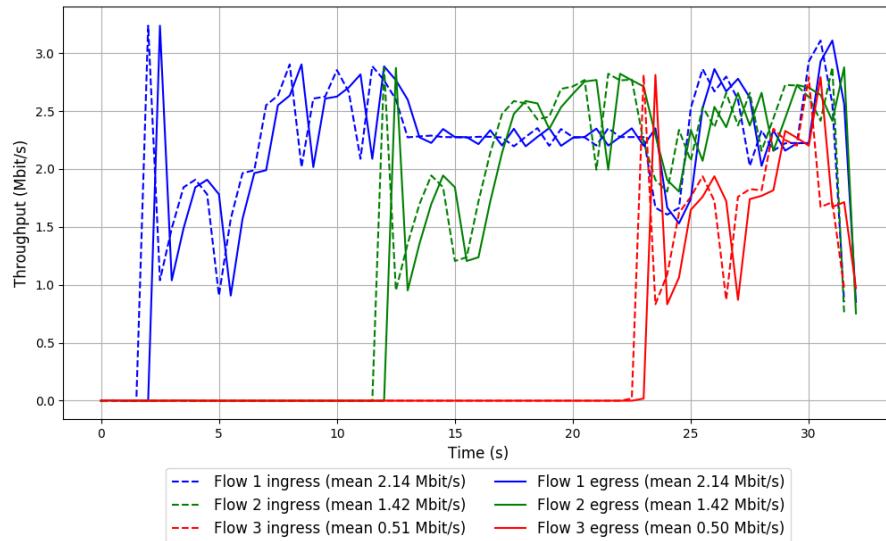


```
Run 1: Statistics of WebRTC media

Start at: 2018-09-25 08:34:58
End at: 2018-09-25 08:35:28
Local clock offset: -0.043 ms
Remote clock offset: -1.979 ms

# Below is generated by plot.py at 2018-09-25 11:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 1.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 3.106 ms
Loss rate: 0.24%
```

Run 1: Report of WebRTC media — Data Link

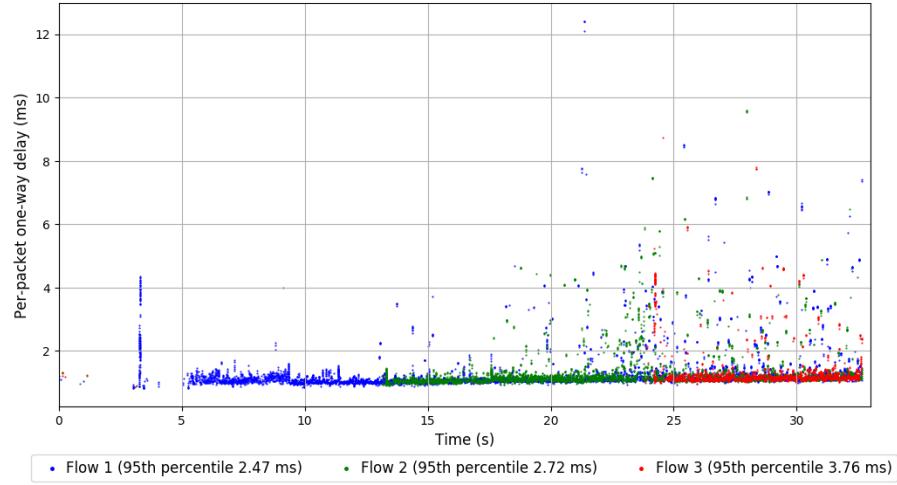
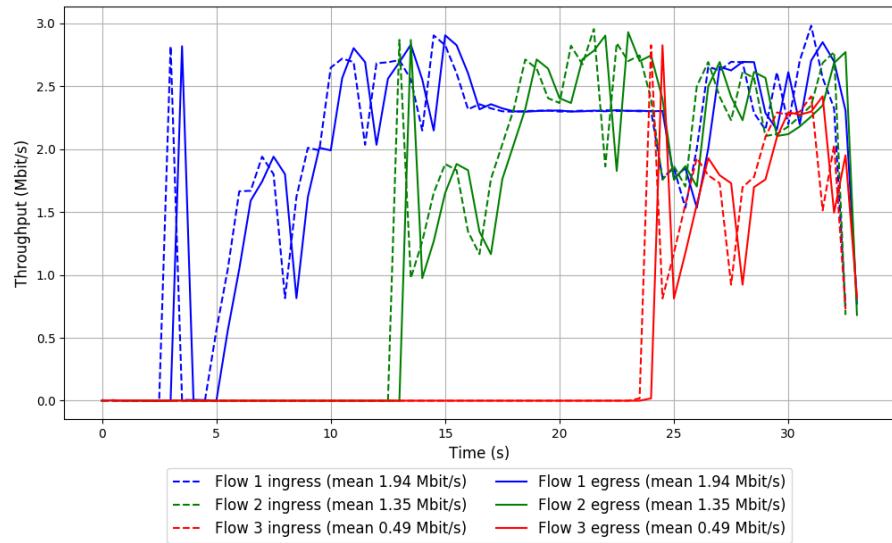


Run 2: Statistics of WebRTC media

```
Start at: 2018-09-25 09:04:39
End at: 2018-09-25 09:05:09
Local clock offset: 0.156 ms
Remote clock offset: 0.475 ms

# Below is generated by plot.py at 2018-09-25 11:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 2.794 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 2.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 3.759 ms
Loss rate: 0.06%
```

Run 2: Report of WebRTC media — Data Link

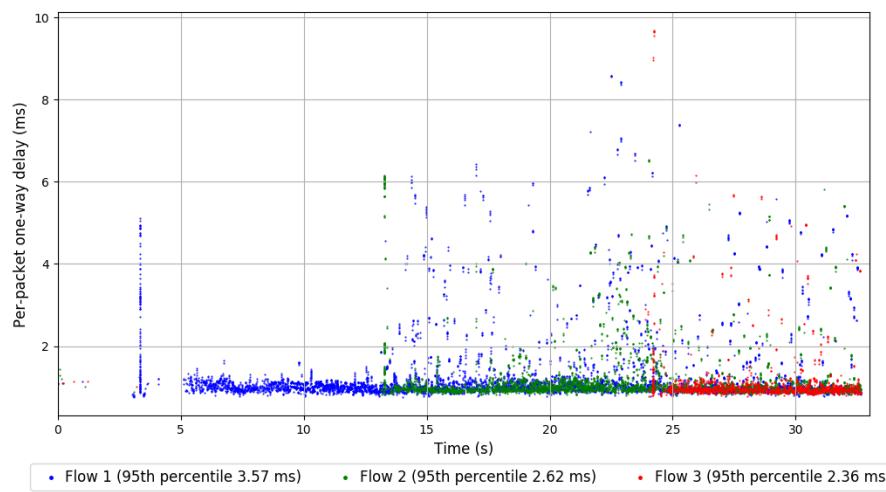
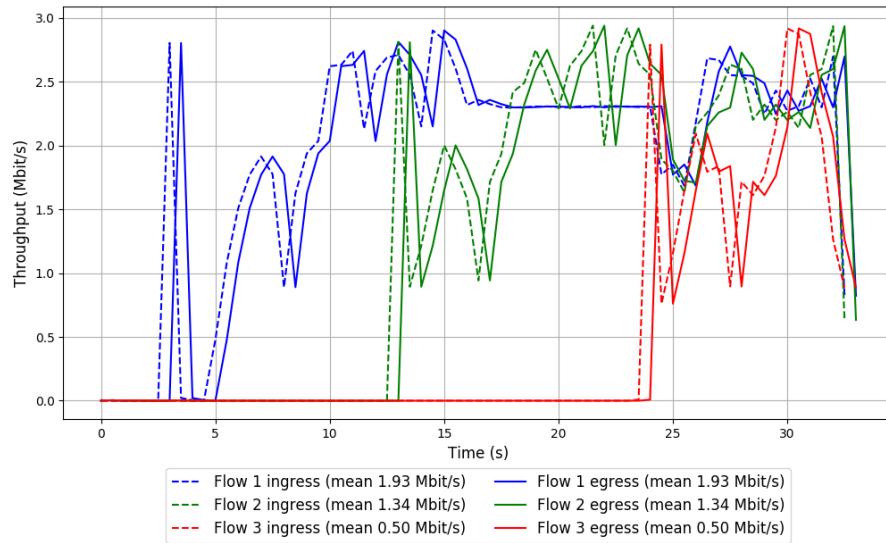


```
Run 3: Statistics of WebRTC media

Start at: 2018-09-25 09:34:05
End at: 2018-09-25 09:34:35
Local clock offset: 0.248 ms
Remote clock offset: -2.896 ms

# Below is generated by plot.py at 2018-09-25 11:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 3.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 3.573 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

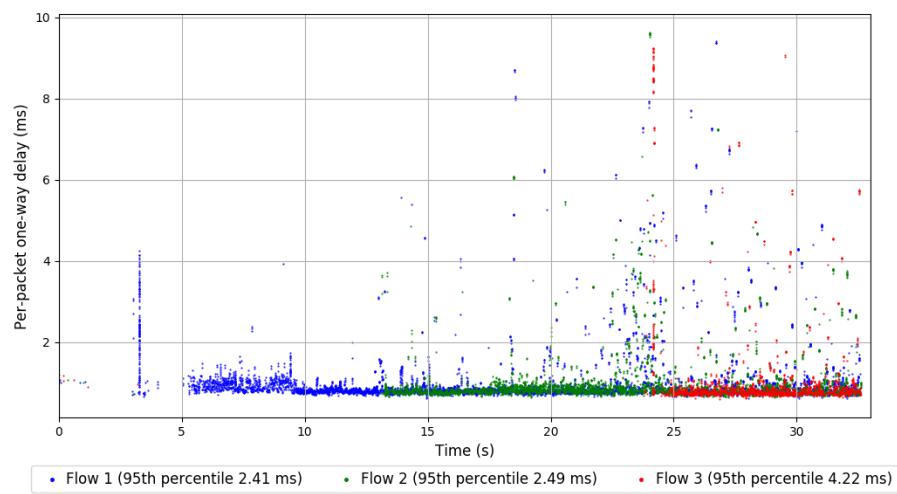
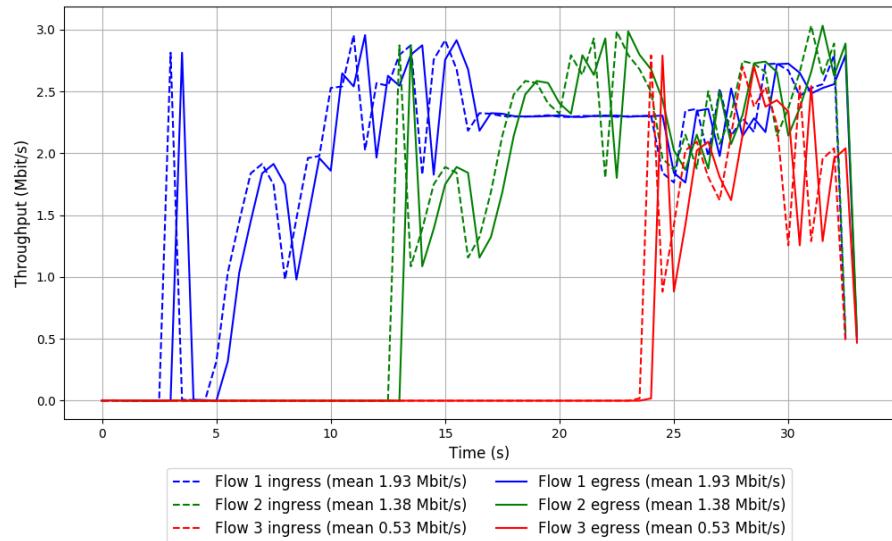


Run 4: Statistics of WebRTC media

```
Start at: 2018-09-25 10:03:33
End at: 2018-09-25 10:04:03
Local clock offset: 0.216 ms
Remote clock offset: 0.981 ms

# Below is generated by plot.py at 2018-09-25 11:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 2.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 2.487 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 4.217 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2018-09-25 10:33:01
End at: 2018-09-25 10:33:31
Local clock offset: -3.312 ms
Remote clock offset: 4.039 ms

# Below is generated by plot.py at 2018-09-25 11:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 2.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 2.153 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

