

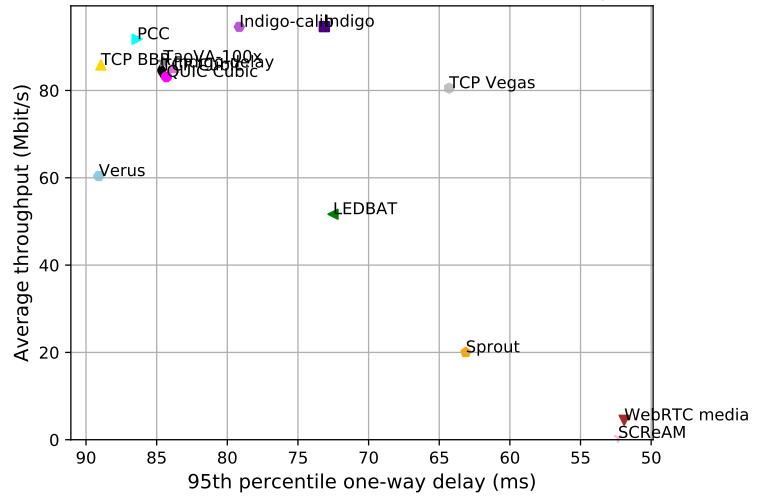
Pantheon Report

Generated at 2017-09-22 02:45:34 (UTC).
Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

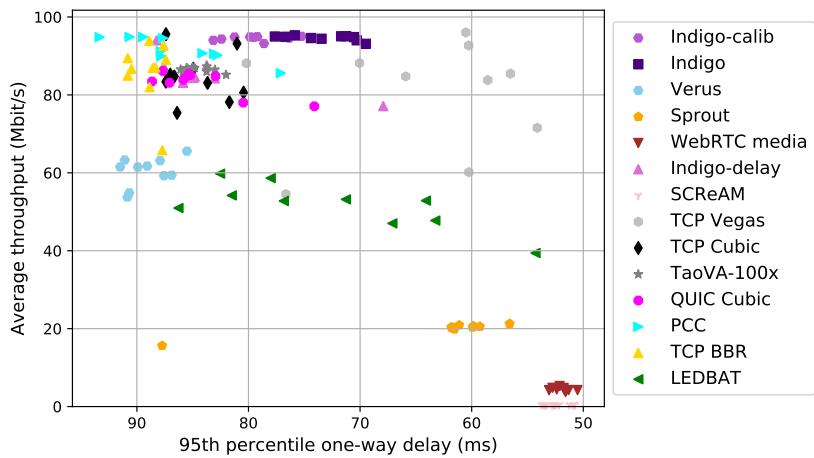
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efef6e088d91066a9f023df375eee2665089ce
  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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



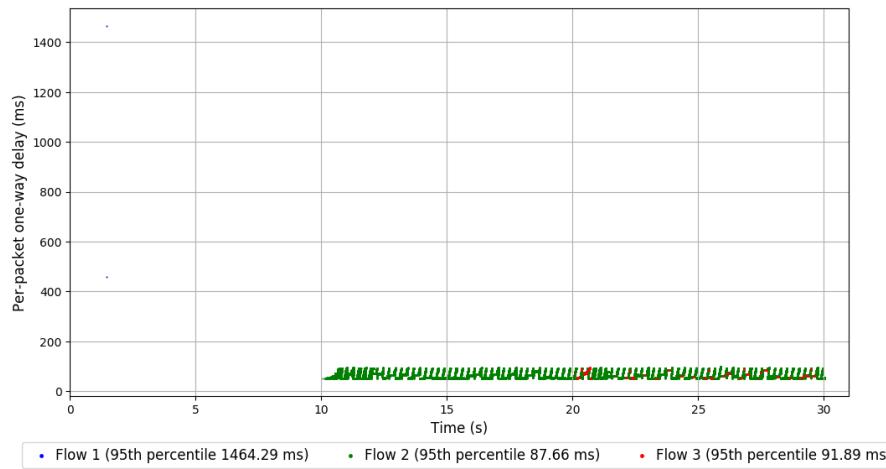
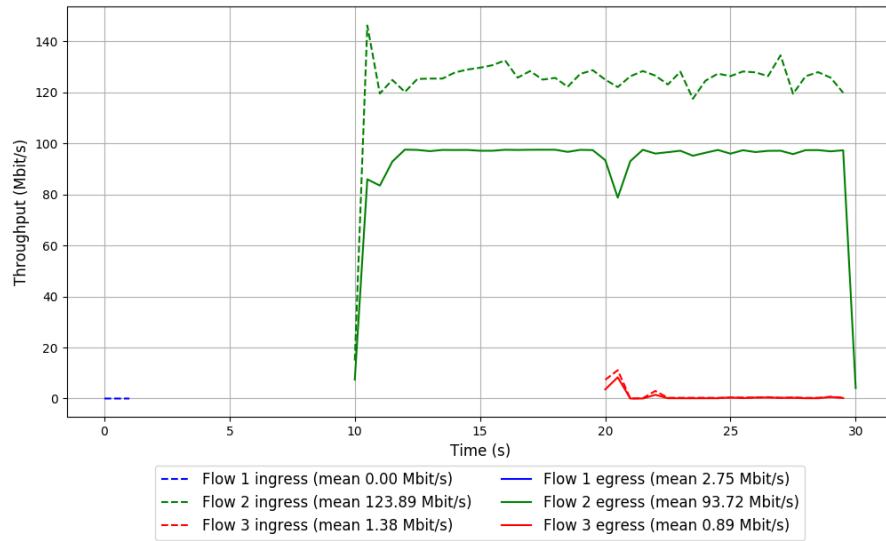
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	64.28	29.45	8.44	226.58	89.74	87.89	22.69	30.80	37.83
TCP Cubic	10	47.82	35.44	39.80	82.90	84.33	85.19	0.64	0.74	0.81
LEDBAT	10	29.74	25.68	14.59	71.87	72.98	73.14	0.10	0.08	0.04
PCC	10	83.48	9.04	6.83	86.18	87.14	85.15	10.43	9.04	7.55
QUIC Cubic	10	52.05	32.11	29.51	83.53	84.97	82.55	1.25	2.07	1.68
SCReAM	10	0.21	0.21	0.21	52.20	52.15	52.26	0.06	0.06	0.14
WebRTC media	9	2.28	1.63	0.58	51.93	51.70	51.97	0.04	0.04	0.00
Sprout	10	10.06	10.08	9.83	62.67	62.96	61.01	0.09	0.16	0.15
TaoVA-100x	10	53.03	39.68	29.71	82.07	85.85	87.45	11.29	20.86	20.80
TCP Vegas	10	50.84	28.74	31.82	61.54	64.72	62.59	0.66	0.42	0.36
Verus	10	34.15	32.18	16.74	88.35	89.85	84.99	31.34	44.17	33.16
Indigo	10	64.07	32.05	28.46	69.77	75.58	81.43	0.82	1.65	3.30
Indigo-calib	10	60.35	36.43	30.83	74.94	81.09	84.65	2.22	5.16	8.19
Indigo-delay	10	45.77	36.35	47.31	78.97	83.72	86.82	1.23	2.66	8.67

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-21 22:58:52
End at: 2017-09-21 22:59:22
Local clock offset: -2.012 ms
Remote clock offset: -0.357 ms

# Below is generated by plot.py at 2017-09-22 02:27:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.80 Mbit/s
95th percentile per-packet one-way delay: 87.718 ms
Loss rate: 24.42%
-- Flow 1:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 1464.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 87.662 ms
Loss rate: 24.35%
-- Flow 3:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 91.886 ms
Loss rate: 37.40%
```

Run 1: Report of TCP BBR — Data Link

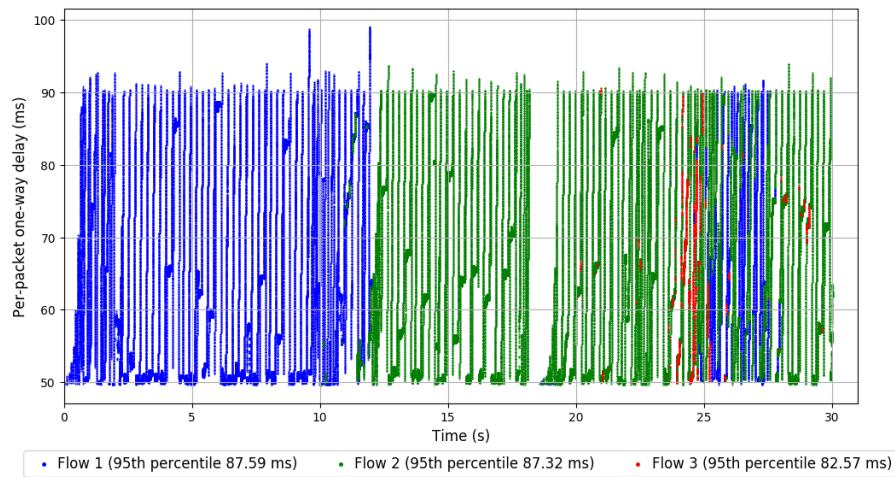
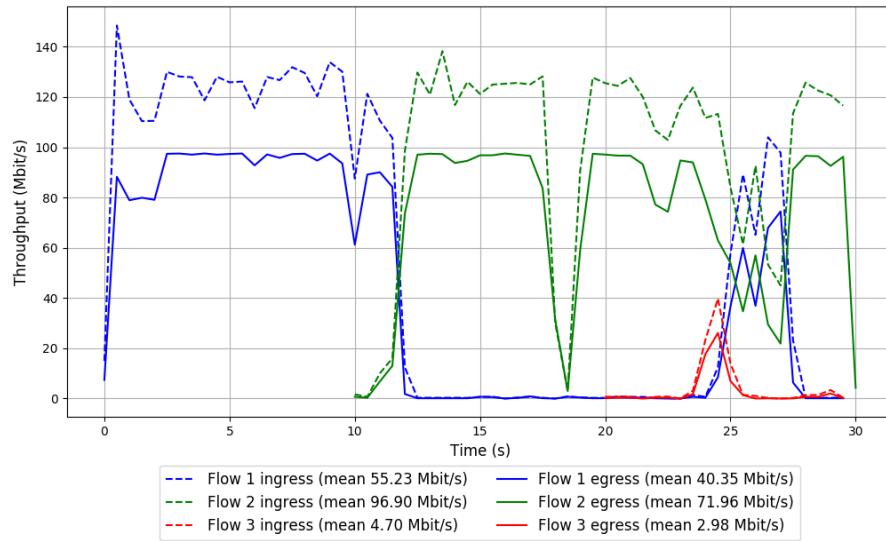


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-21 23:18:26
End at: 2017-09-21 23:18:56
Local clock offset: -2.783 ms
Remote clock offset: -2.745 ms

# Below is generated by plot.py at 2017-09-22 02:27:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 87.403 ms
Loss rate: 26.49%
-- Flow 1:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 87.586 ms
Loss rate: 27.13%
-- Flow 2:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 87.319 ms
Loss rate: 25.70%
-- Flow 3:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 82.574 ms
Loss rate: 36.55%
```

Run 2: Report of TCP BBR — Data Link

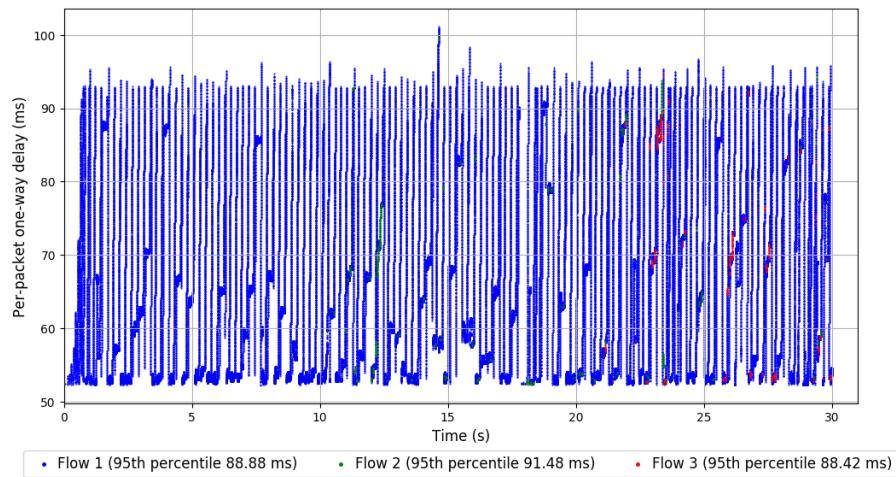
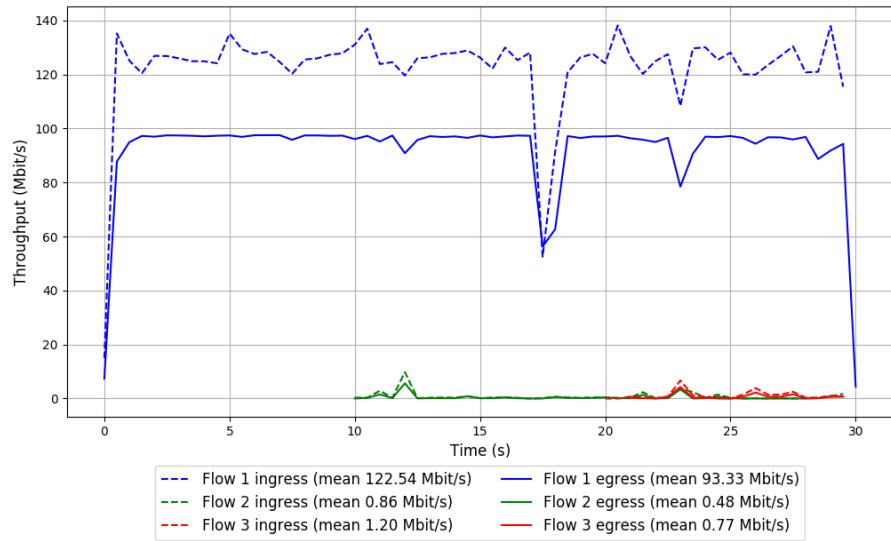


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-21 23:37:52
End at: 2017-09-21 23:38:22
Local clock offset: -3.426 ms
Remote clock offset: -0.311 ms

# Below is generated by plot.py at 2017-09-22 02:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 88.883 ms
Loss rate: 23.99%
-- Flow 1:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 88.877 ms
Loss rate: 23.84%
-- Flow 2:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 91.482 ms
Loss rate: 44.50%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 88.415 ms
Loss rate: 42.72%
```

Run 3: Report of TCP BBR — Data Link

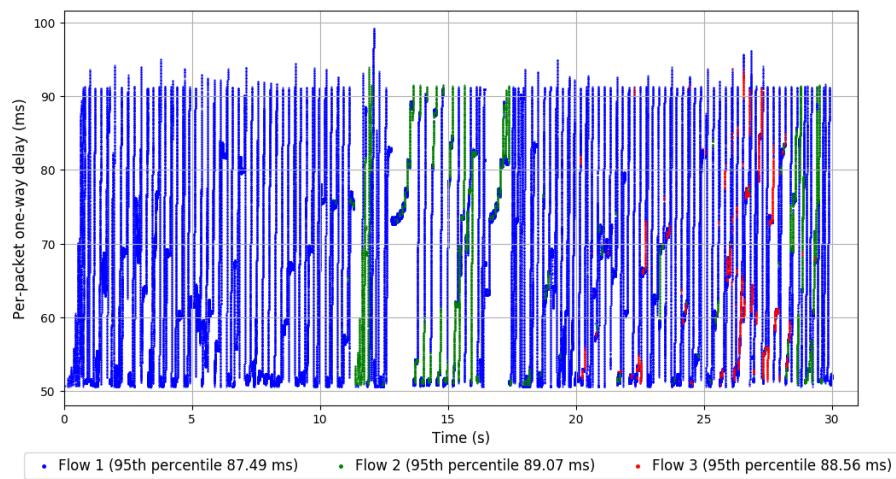
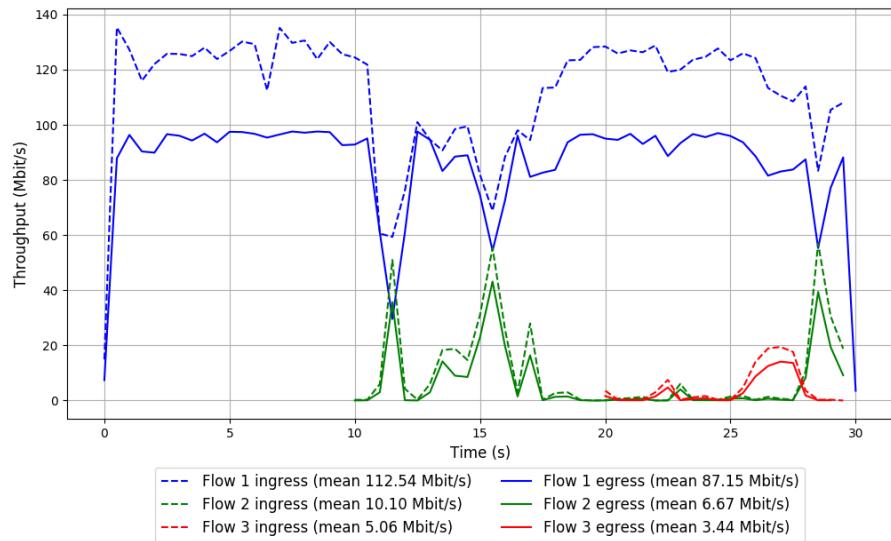


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-21 23:57:35
End at: 2017-09-21 23:58:05
Local clock offset: -3.634 ms
Remote clock offset: -1.907 ms

# Below is generated by plot.py at 2017-09-22 02:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 87.600 ms
Loss rate: 23.37%
-- Flow 1:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 87.494 ms
Loss rate: 22.56%
-- Flow 2:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 89.073 ms
Loss rate: 34.08%
-- Flow 3:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 88.564 ms
Loss rate: 34.64%
```

Run 4: Report of TCP BBR — Data Link

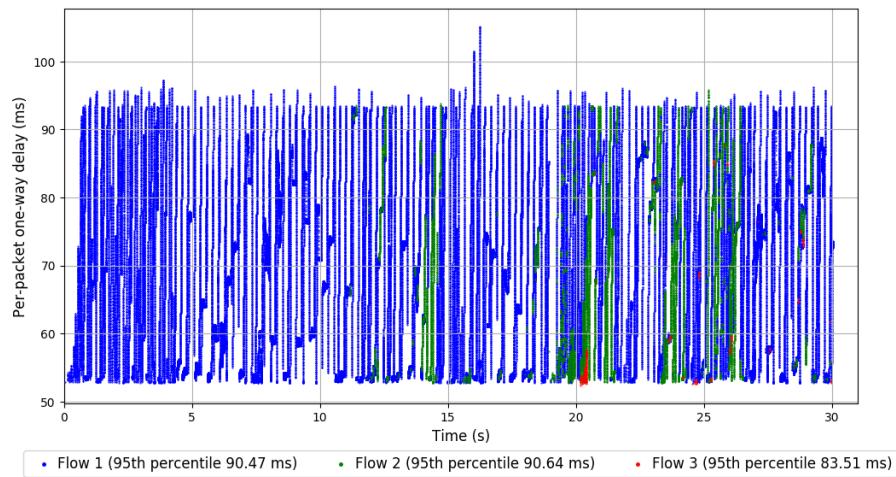
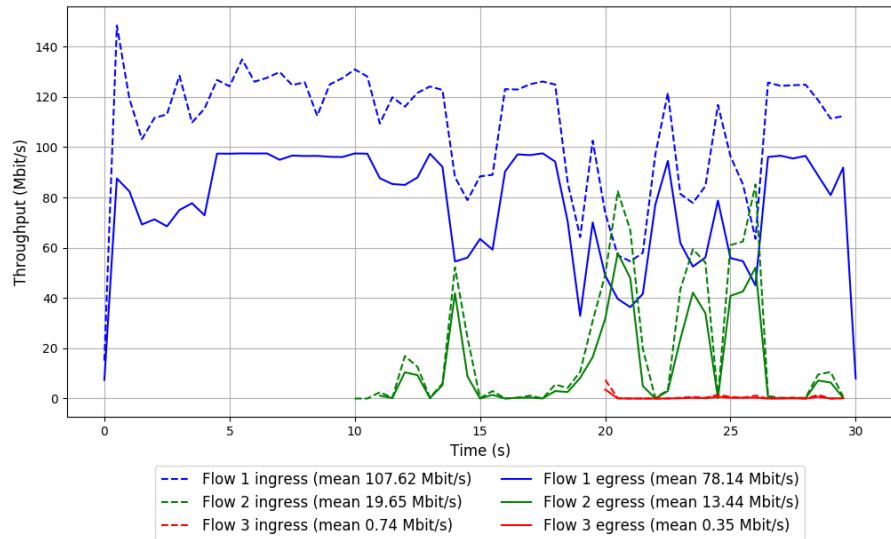


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-22 00:18:20
End at: 2017-09-22 00:18:50
Local clock offset: -3.462 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2017-09-22 02:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 90.481 ms
Loss rate: 28.27%
-- Flow 1:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 90.475 ms
Loss rate: 27.35%
-- Flow 2:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 90.635 ms
Loss rate: 35.37%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 83.514 ms
Loss rate: 53.26%
```

Run 5: Report of TCP BBR — Data Link

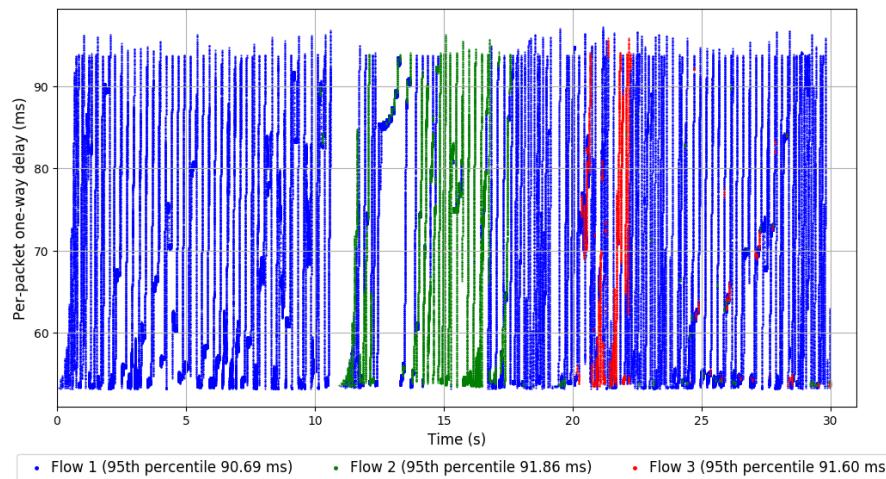
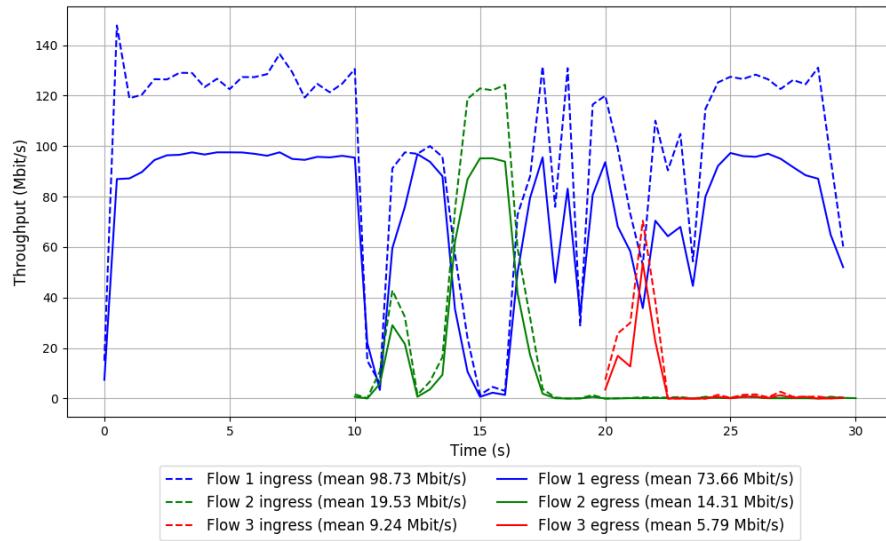


Run 6: Statistics of TCP BBR

```
Start at: 2017-09-22 00:39:18
End at: 2017-09-22 00:39:48
Local clock offset: -2.586 ms
Remote clock offset: 0.522 ms

# Below is generated by plot.py at 2017-09-22 02:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 90.814 ms
Loss rate: 25.86%
-- Flow 1:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 90.695 ms
Loss rate: 25.37%
-- Flow 2:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 91.864 ms
Loss rate: 26.84%
-- Flow 3:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 91.597 ms
Loss rate: 37.34%
```

Run 6: Report of TCP BBR — Data Link

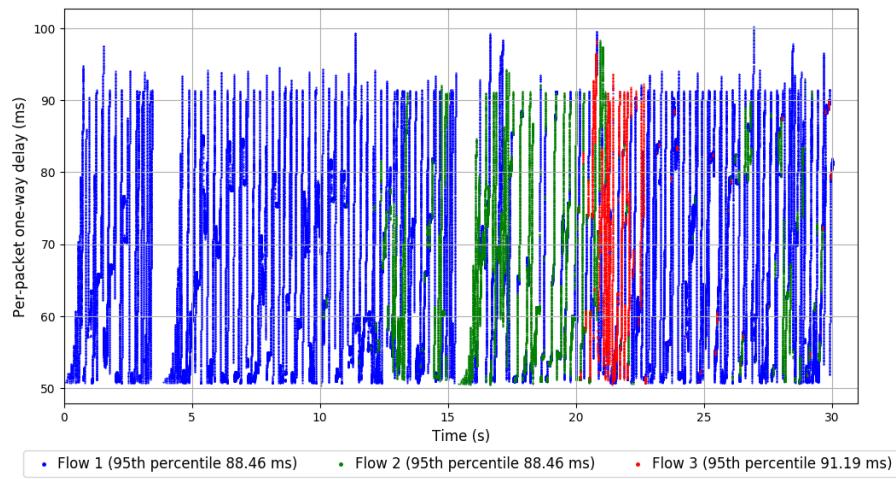
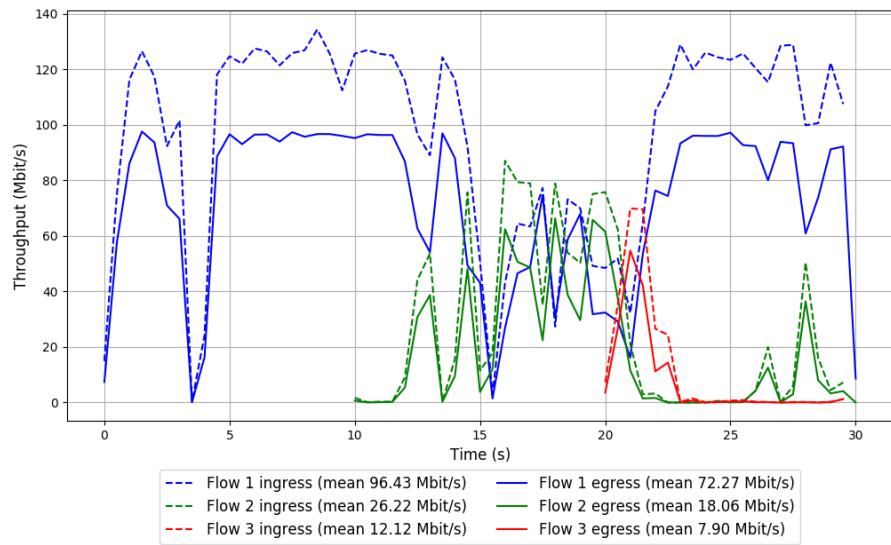


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-22 01:00:29
End at: 2017-09-22 01:00:59
Local clock offset: -1.067 ms
Remote clock offset: -2.445 ms

# Below is generated by plot.py at 2017-09-22 02:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 88.582 ms
Loss rate: 26.20%
-- Flow 1:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 88.461 ms
Loss rate: 24.98%
-- Flow 2:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 88.458 ms
Loss rate: 31.00%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 91.191 ms
Loss rate: 34.78%
```

Run 7: Report of TCP BBR — Data Link

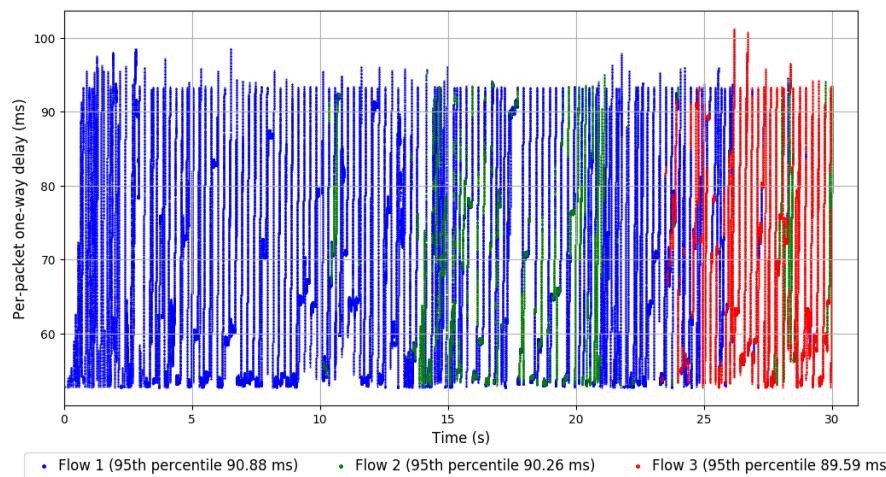
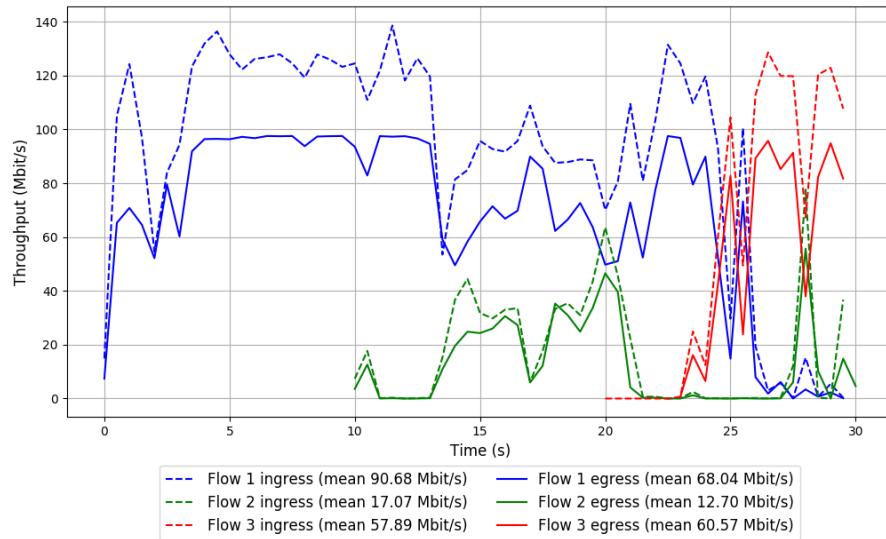


Run 8: Statistics of TCP BBR

```
Start at: 2017-09-22 01:20:52
End at: 2017-09-22 01:21:22
Local clock offset: -0.698 ms
Remote clock offset: -0.536 ms

# Below is generated by plot.py at 2017-09-22 02:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 90.816 ms
Loss rate: 26.17%
-- Flow 1:
Average throughput: 68.04 Mbit/s
95th percentile per-packet one-way delay: 90.883 ms
Loss rate: 25.89%
-- Flow 2:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 90.256 ms
Loss rate: 25.55%
-- Flow 3:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 89.591 ms
Loss rate: 27.84%
```

Run 8: Report of TCP BBR — Data Link

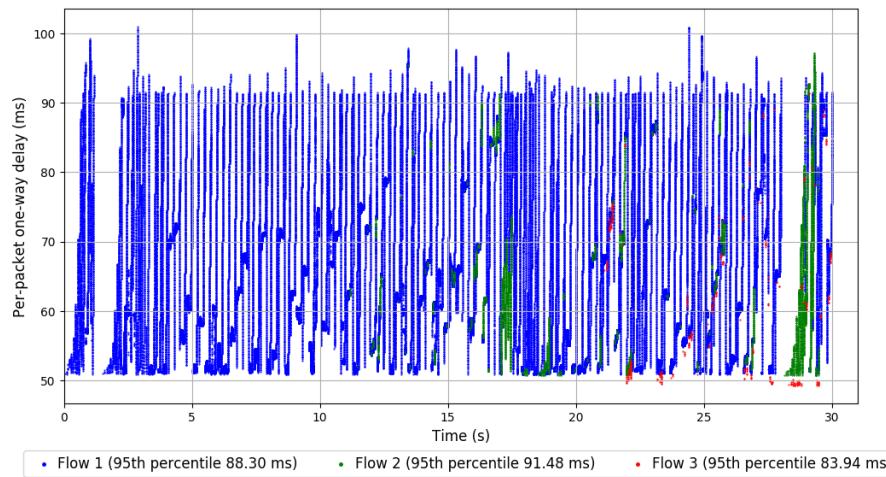
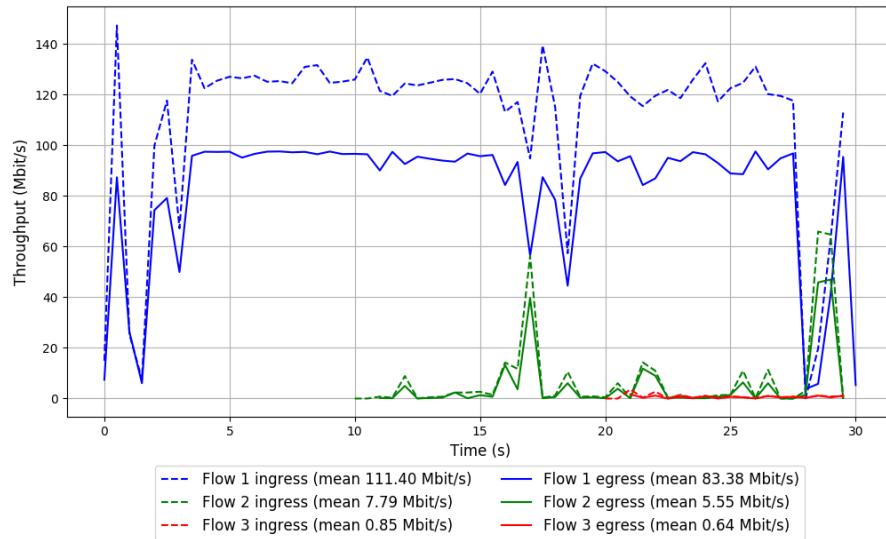


Run 9: Statistics of TCP BBR

```
Start at: 2017-09-22 01:41:25
End at: 2017-09-22 01:41:55
Local clock offset: -0.252 ms
Remote clock offset: -2.452 ms

# Below is generated by plot.py at 2017-09-22 02:28:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 88.355 ms
Loss rate: 25.42%
-- Flow 1:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 88.298 ms
Loss rate: 25.09%
-- Flow 2:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 91.483 ms
Loss rate: 32.30%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 83.937 ms
Loss rate: 33.14%
```

Run 9: Report of TCP BBR — Data Link

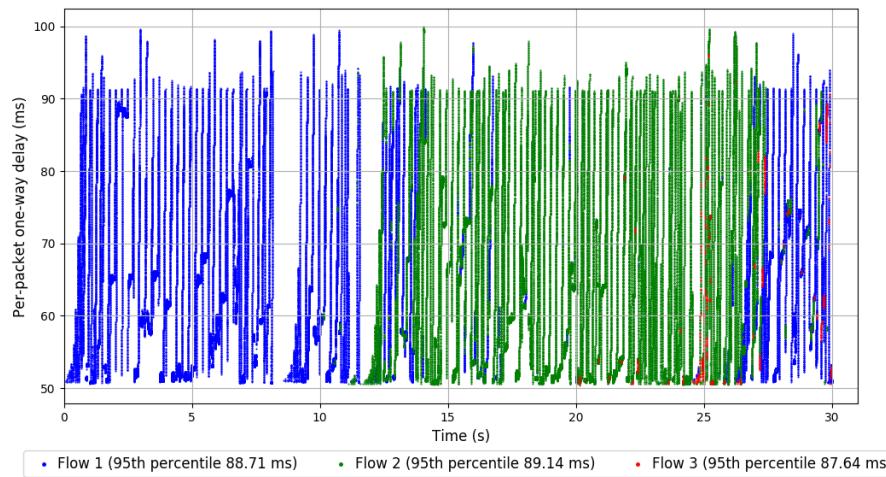
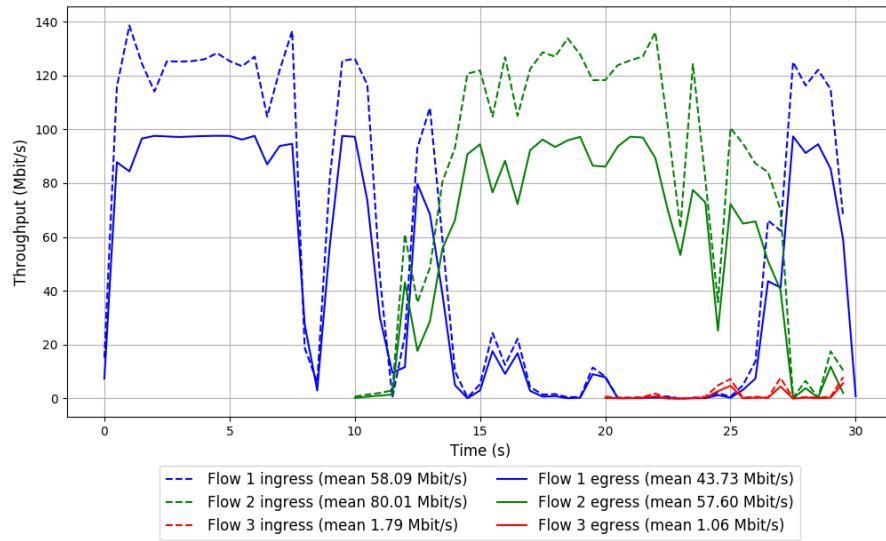


Run 10: Statistics of TCP BBR

```
Start at: 2017-09-22 02:01:25
End at: 2017-09-22 02:01:55
Local clock offset: 0.694 ms
Remote clock offset: -2.266 ms

# Below is generated by plot.py at 2017-09-22 02:28:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 88.851 ms
Loss rate: 26.51%
-- Flow 1:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 88.714 ms
Loss rate: 24.73%
-- Flow 2:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 89.136 ms
Loss rate: 28.32%
-- Flow 3:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 87.644 ms
Loss rate: 40.68%
```

Run 10: Report of TCP BBR — Data Link

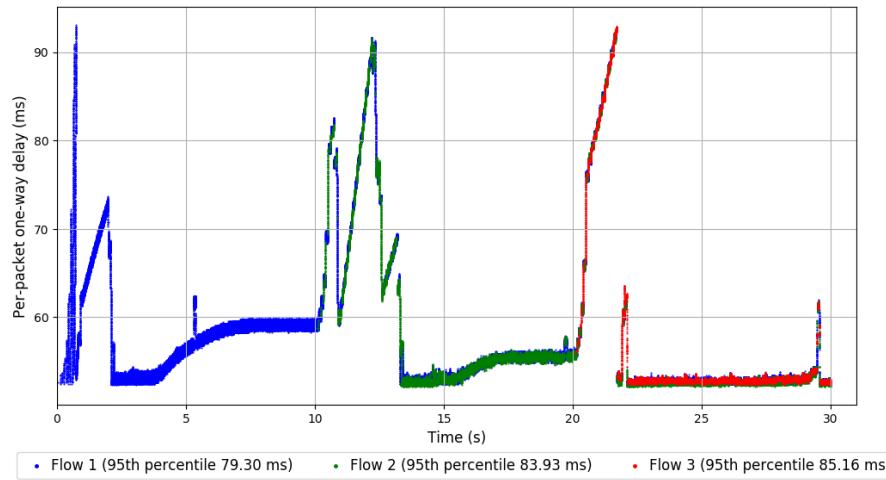
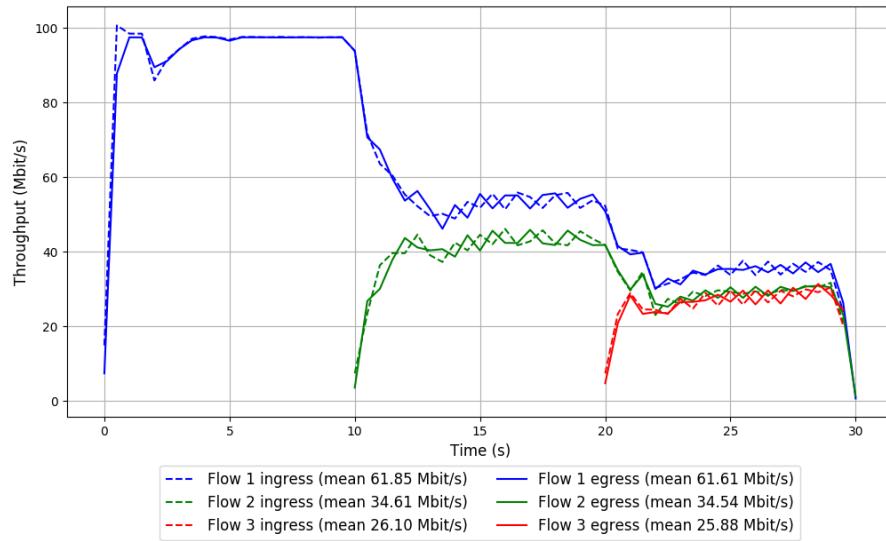


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-21 23:00:15
End at: 2017-09-21 23:00:45
Local clock offset: -2.156 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2017-09-22 02:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 81.026 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 79.297 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 83.926 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 85.164 ms
Loss rate: 0.90%
```

Run 1: Report of TCP Cubic — Data Link

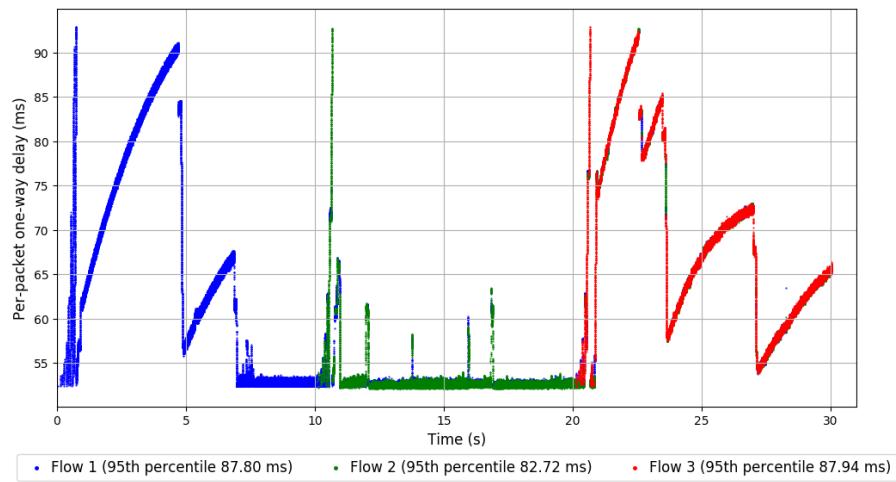
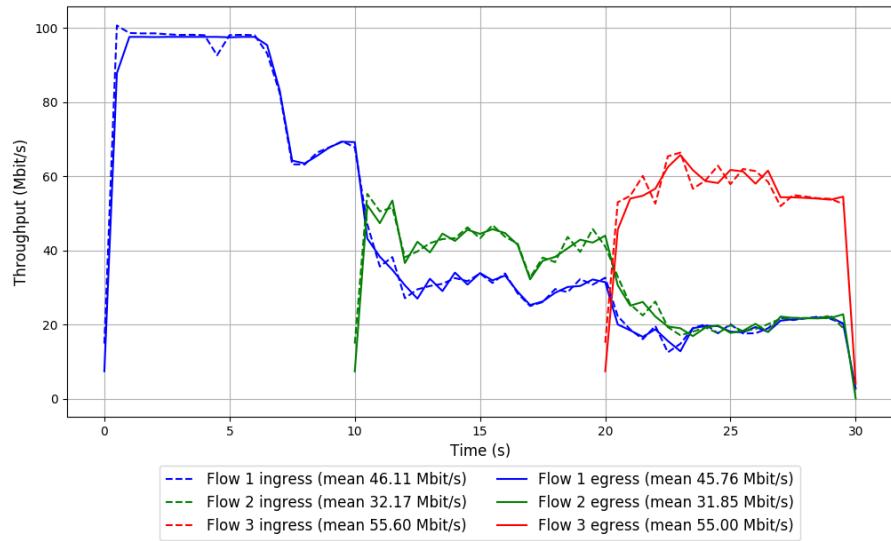


Run 2: Statistics of TCP Cubic

```
Start at: 2017-09-21 23:19:51
End at: 2017-09-21 23:20:21
Local clock offset: -2.948 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2017-09-22 02:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 87.799 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 82.723 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 87.938 ms
Loss rate: 0.95%
```

Run 2: Report of TCP Cubic — Data Link

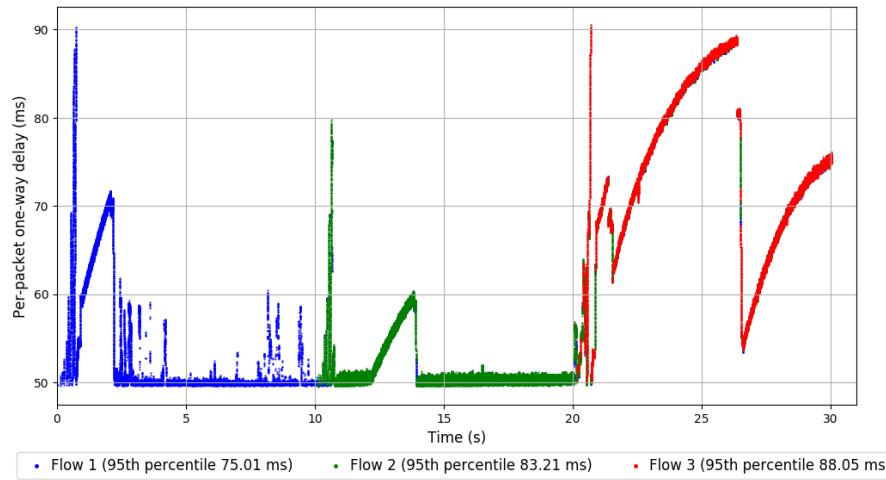
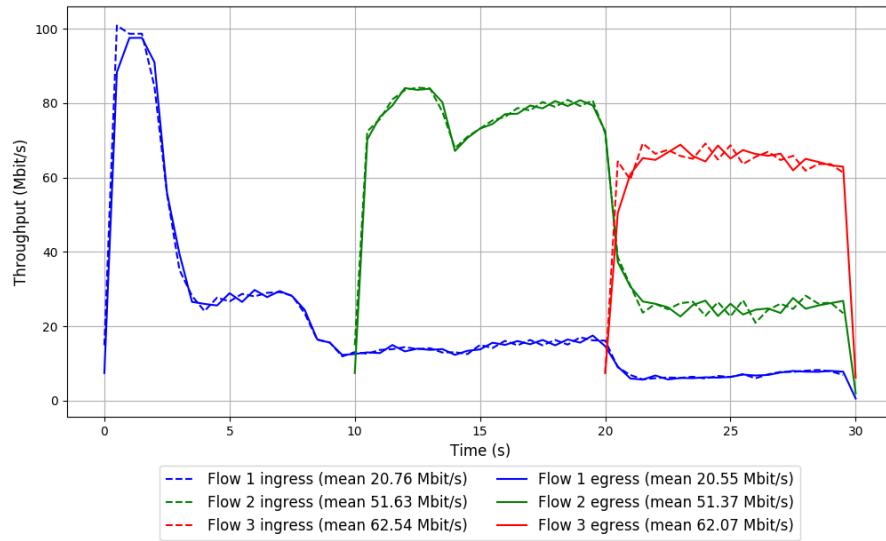


Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-21 23:39:17
End at: 2017-09-21 23:39:47
Local clock offset: -3.546 ms
Remote clock offset: -2.92 ms

# Below is generated by plot.py at 2017-09-22 02:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 75.009 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 83.208 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 88.046 ms
Loss rate: 0.57%
```

Run 3: Report of TCP Cubic — Data Link

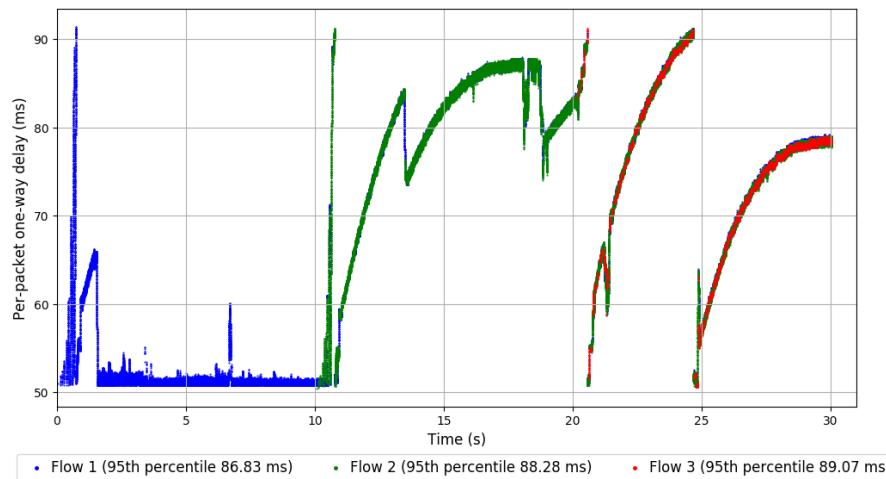
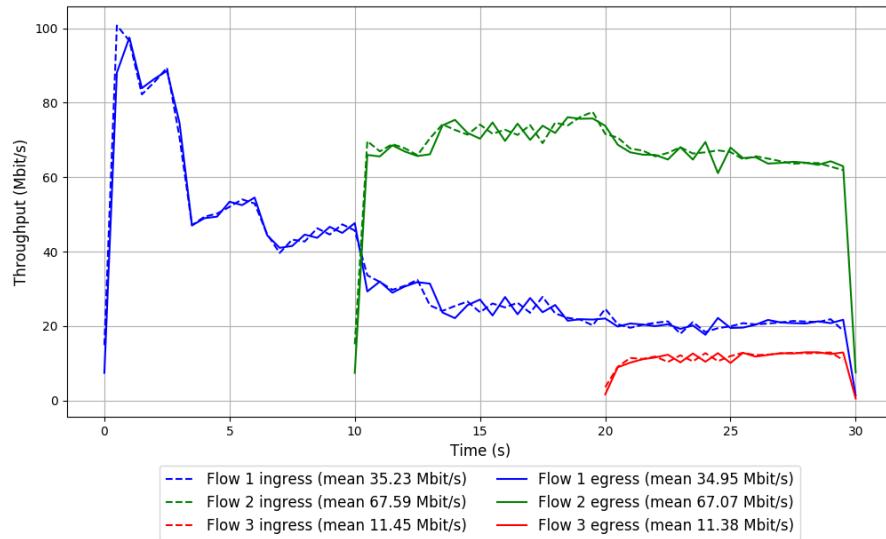


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-21 23:59:10
End at: 2017-09-21 23:59:40
Local clock offset: -3.66 ms
Remote clock offset: -1.978 ms

# Below is generated by plot.py at 2017-09-22 02:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 87.406 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 67.07 Mbit/s
95th percentile per-packet one-way delay: 88.278 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 89.072 ms
Loss rate: 0.65%
```

Run 4: Report of TCP Cubic — Data Link

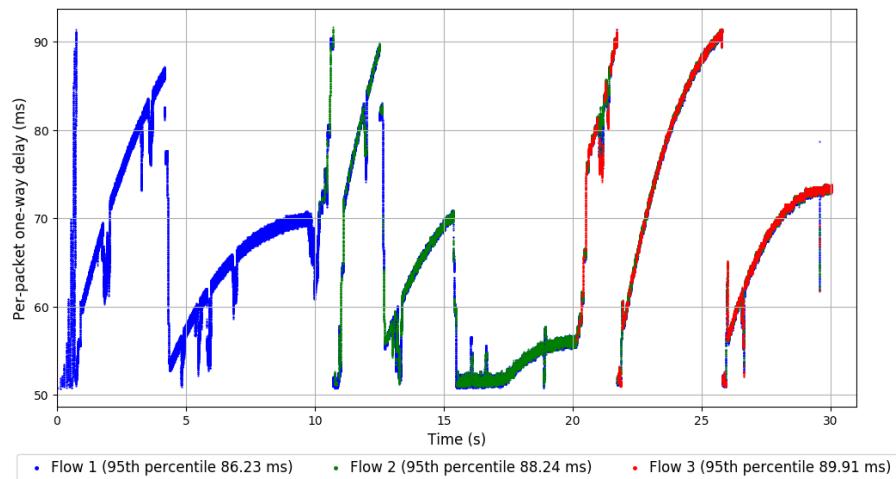
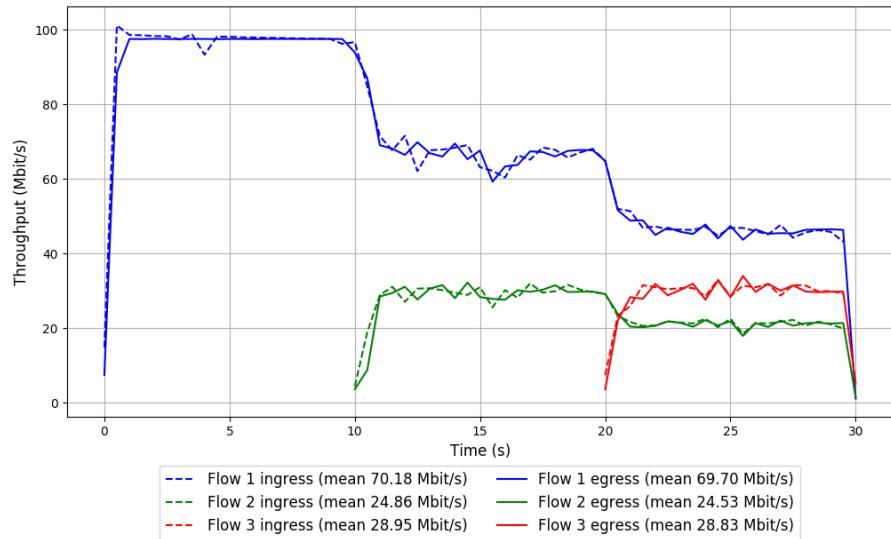


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-22 00:19:45
End at: 2017-09-22 00:20:16
Local clock offset: -3.557 ms
Remote clock offset: -1.707 ms

# Below is generated by plot.py at 2017-09-22 02:29:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 87.393 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 86.235 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 88.238 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 28.83 Mbit/s
95th percentile per-packet one-way delay: 89.914 ms
Loss rate: 0.25%
```

Run 5: Report of TCP Cubic — Data Link

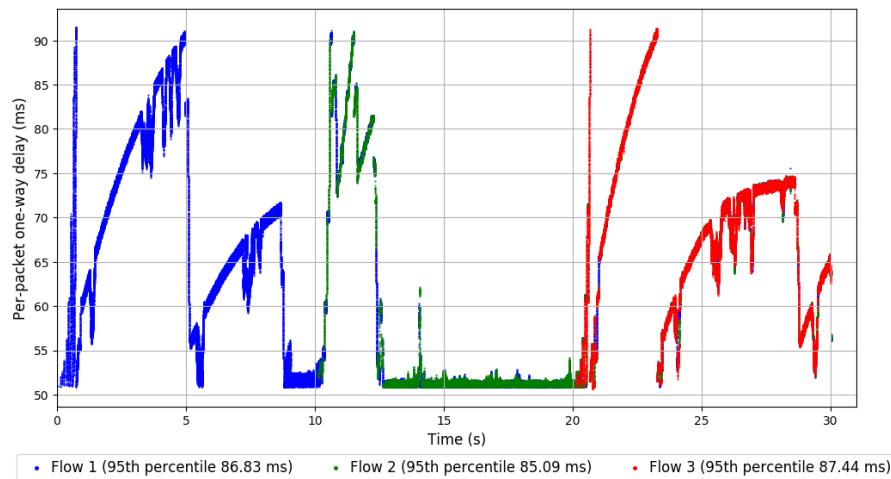
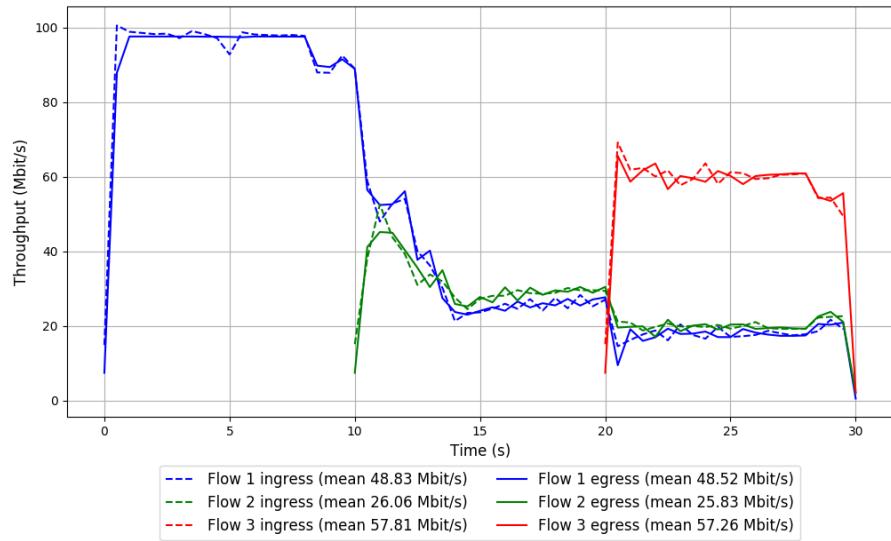


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-22 00:40:49
End at: 2017-09-22 00:41:19
Local clock offset: -2.503 ms
Remote clock offset: -2.08 ms

# Below is generated by plot.py at 2017-09-22 02:29:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 86.645 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 86.831 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 85.087 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 87.442 ms
Loss rate: 0.82%
```

Run 6: Report of TCP Cubic — Data Link

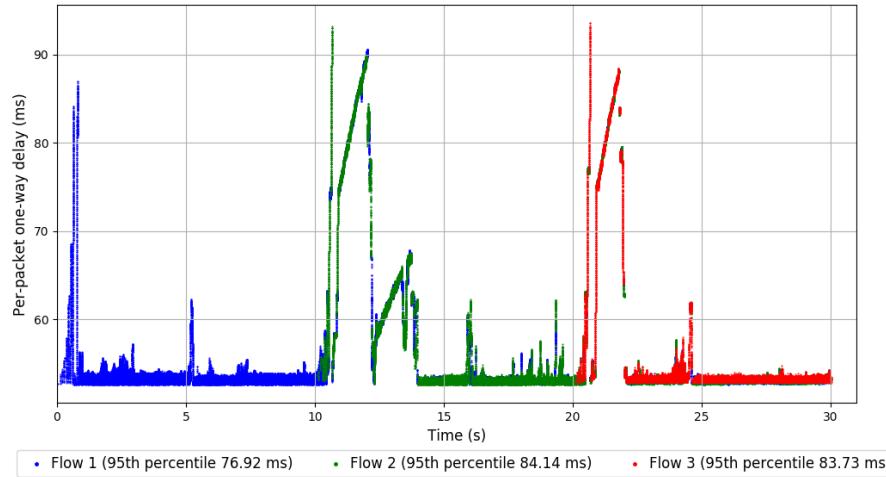
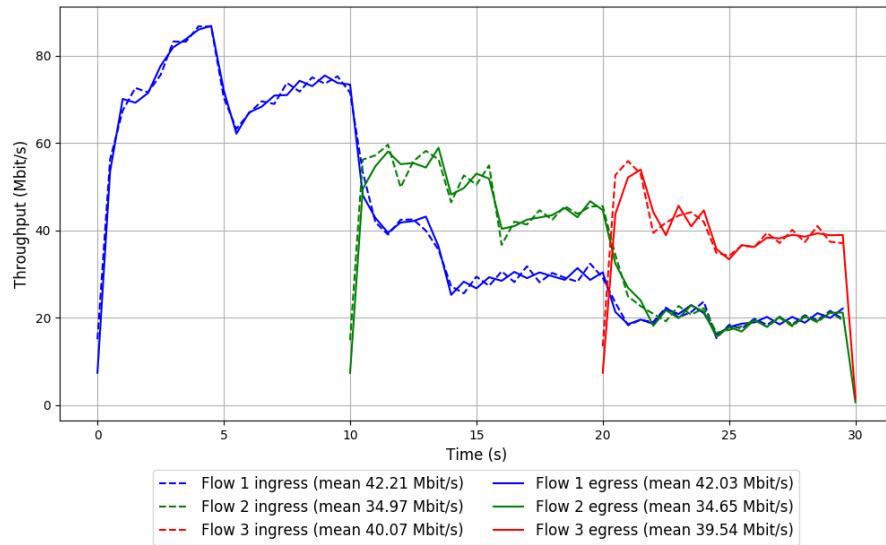


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-22 01:02:03
End at: 2017-09-22 01:02:33
Local clock offset: -0.996 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2017-09-22 02:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 81.713 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 76.924 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 84.135 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 83.726 ms
Loss rate: 1.32%
```

Run 7: Report of TCP Cubic — Data Link

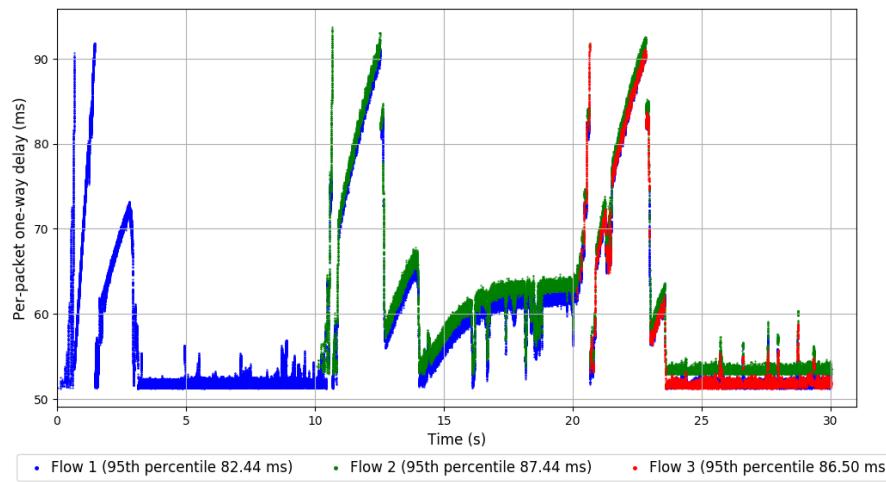
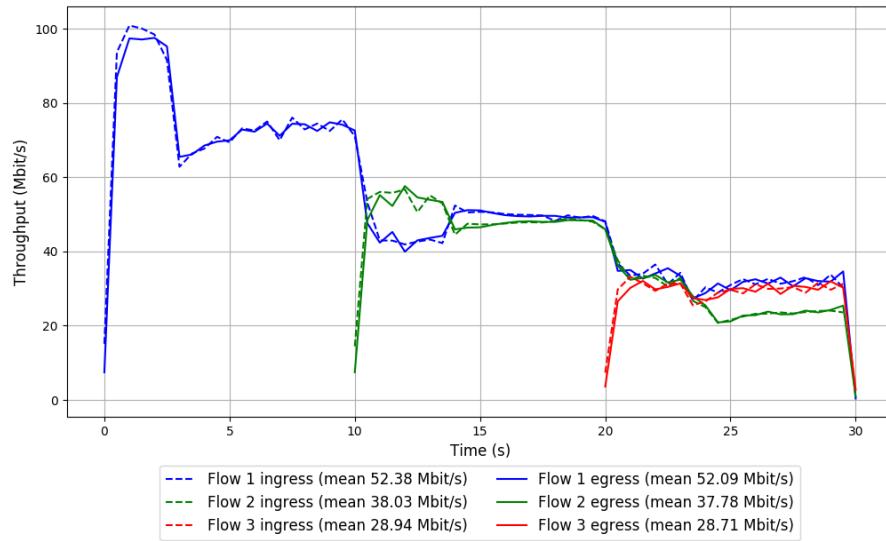


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-22 01:22:26
End at: 2017-09-22 01:22:56
Local clock offset: -0.587 ms
Remote clock offset: -0.441 ms

# Below is generated by plot.py at 2017-09-22 02:30:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 84.942 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 82.444 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 87.437 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 86.505 ms
Loss rate: 0.89%
```

Run 8: Report of TCP Cubic — Data Link

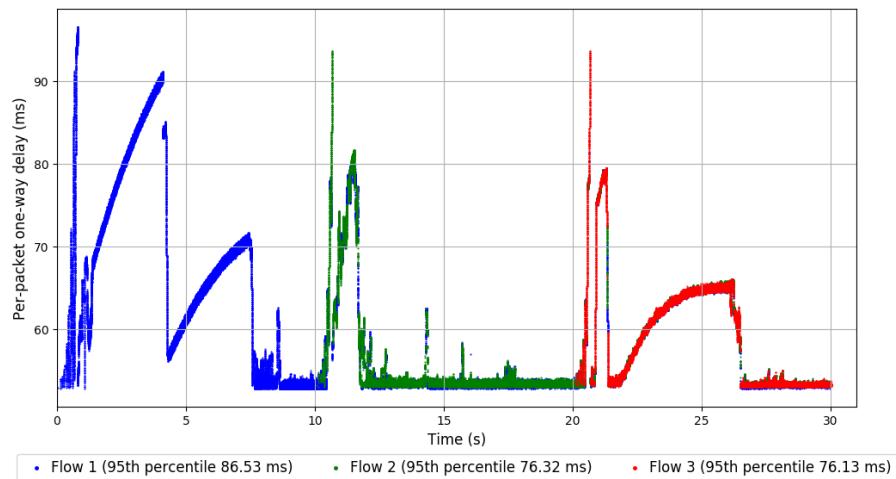
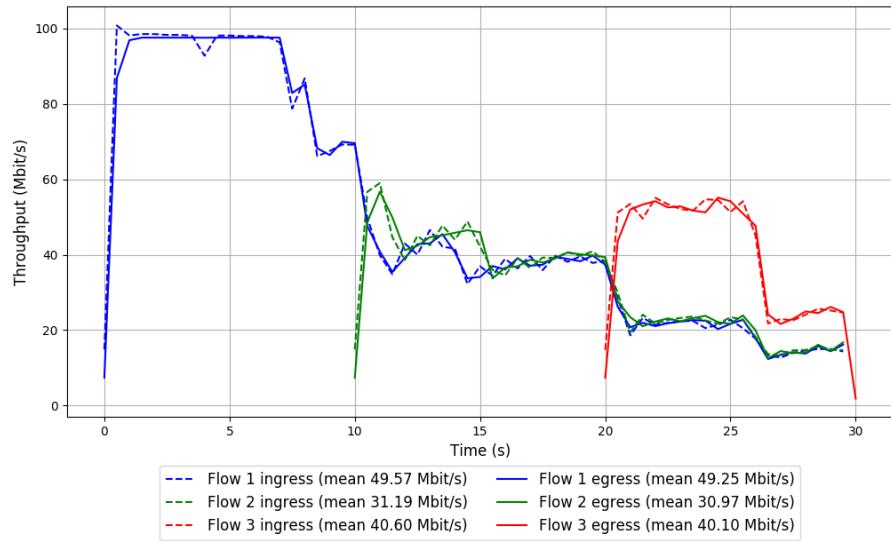


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-22 01:42:57
End at: 2017-09-22 01:43:27
Local clock offset: -0.238 ms
Remote clock offset: -0.314 ms

# Below is generated by plot.py at 2017-09-22 02:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 83.667 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 76.321 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 76.126 ms
Loss rate: 1.25%
```

Run 9: Report of TCP Cubic — Data Link

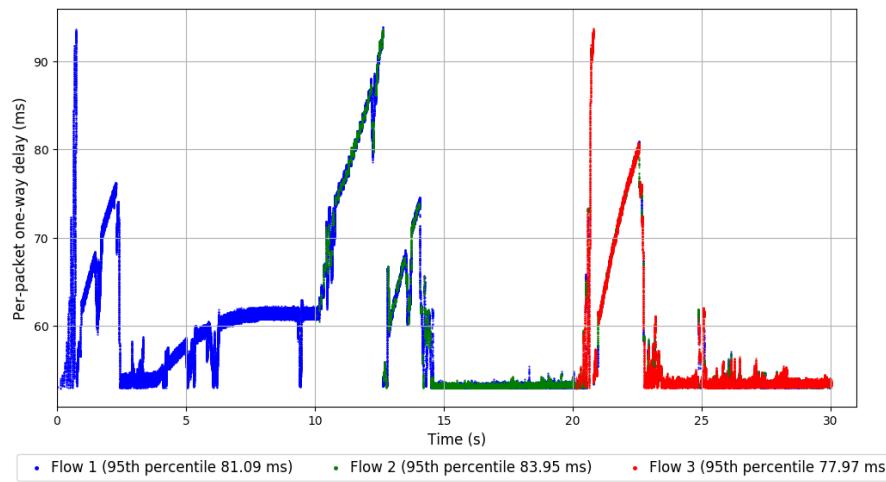
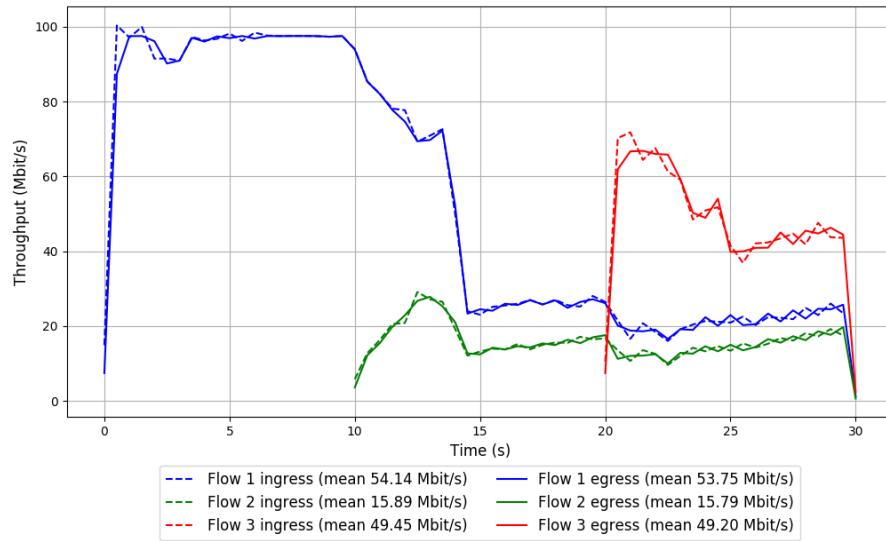


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 02:02:51
End at: 2017-09-22 02:03:21
Local clock offset: 0.641 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2017-09-22 02:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 80.440 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 81.091 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 83.952 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 77.967 ms
Loss rate: 0.49%
```

Run 10: Report of TCP Cubic — Data Link

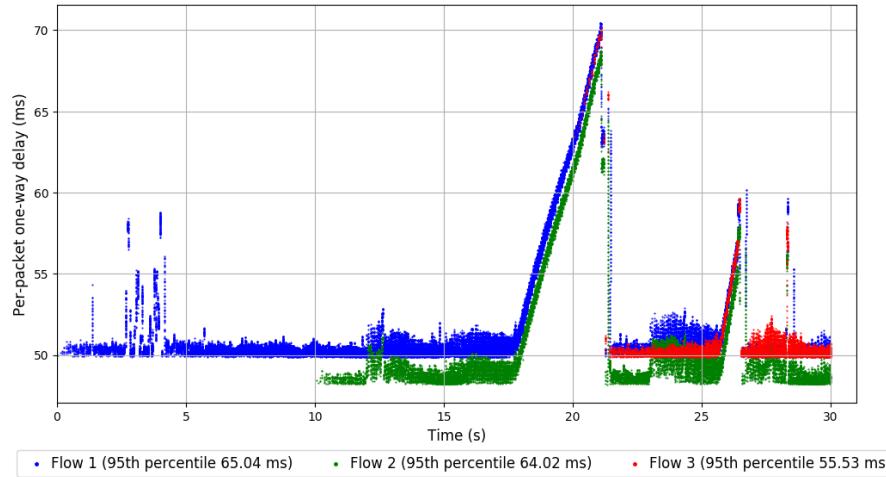
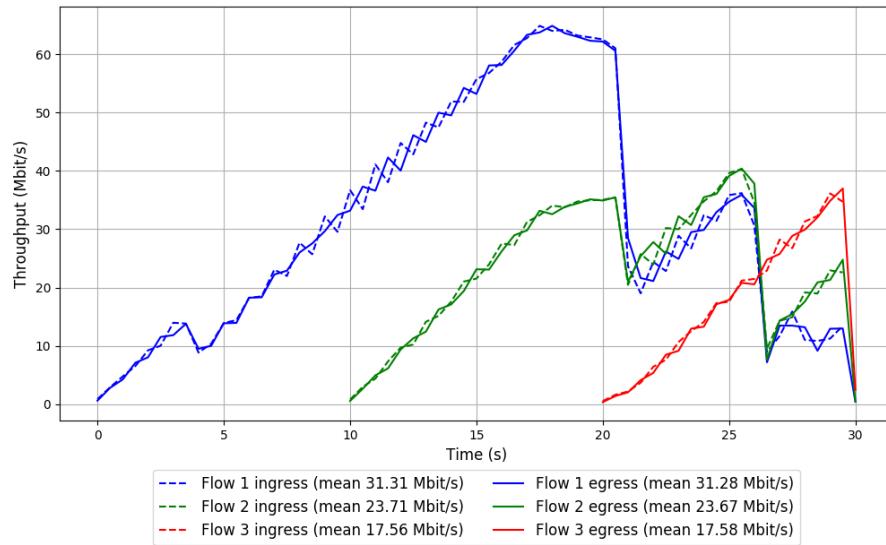


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-09-21 22:57:29
End at: 2017-09-21 22:57:59
Local clock offset: -2.046 ms
Remote clock offset: -2.274 ms

# Below is generated by plot.py at 2017-09-22 02:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 64.102 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 64.016 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 55.532 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

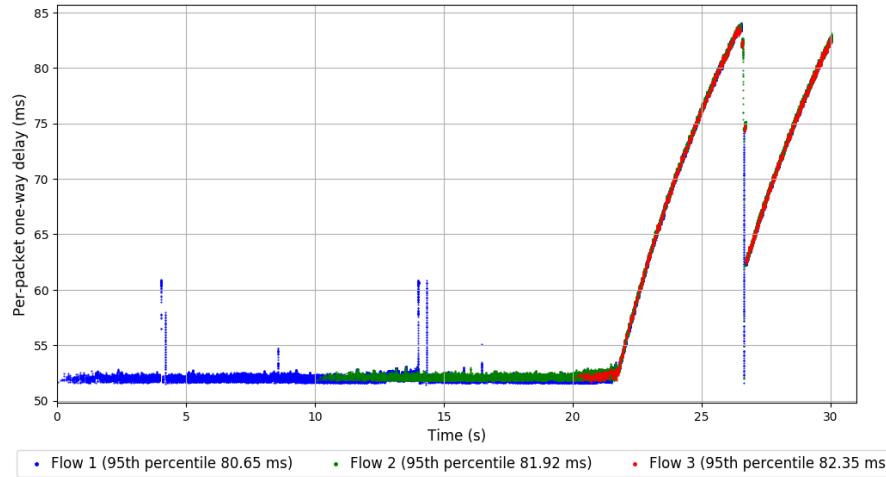
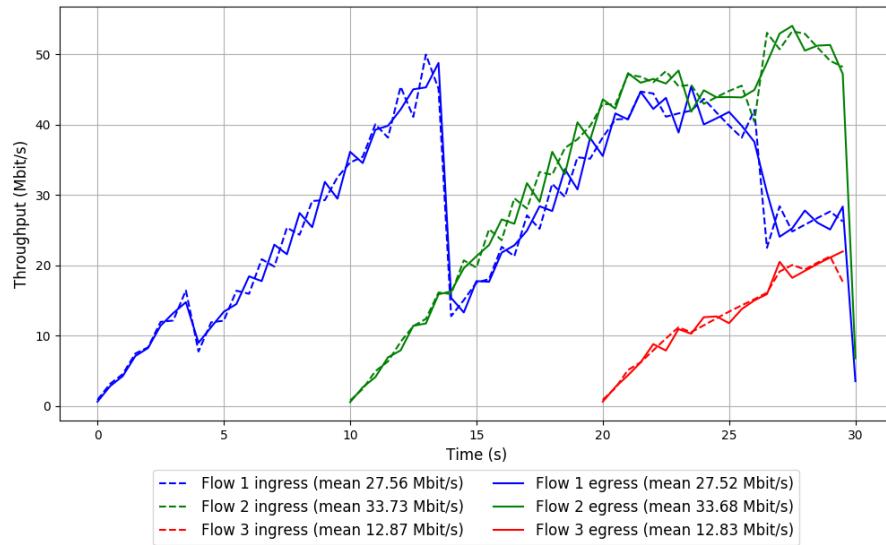


Run 2: Statistics of LEDBAT

```
Start at: 2017-09-21 23:17:04
End at: 2017-09-21 23:17:34
Local clock offset: -2.825 ms
Remote clock offset: -0.697 ms

# Below is generated by plot.py at 2017-09-22 02:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 81.502 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 80.654 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 81.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 82.350 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

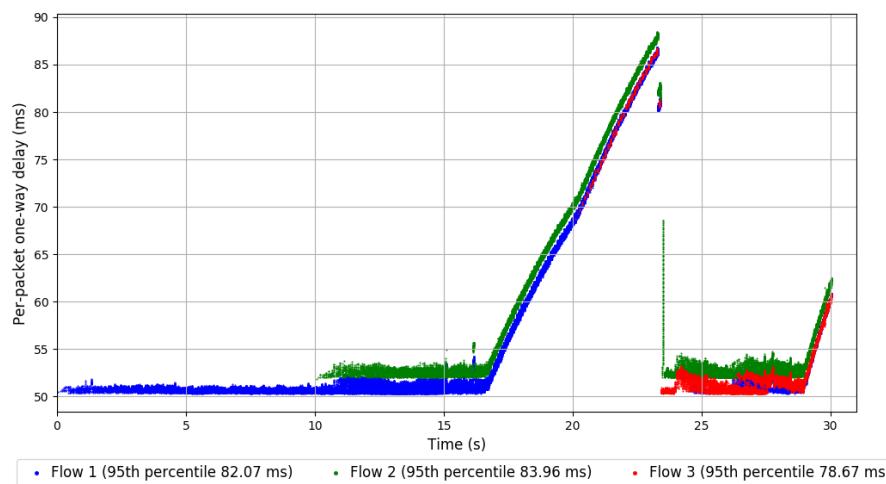
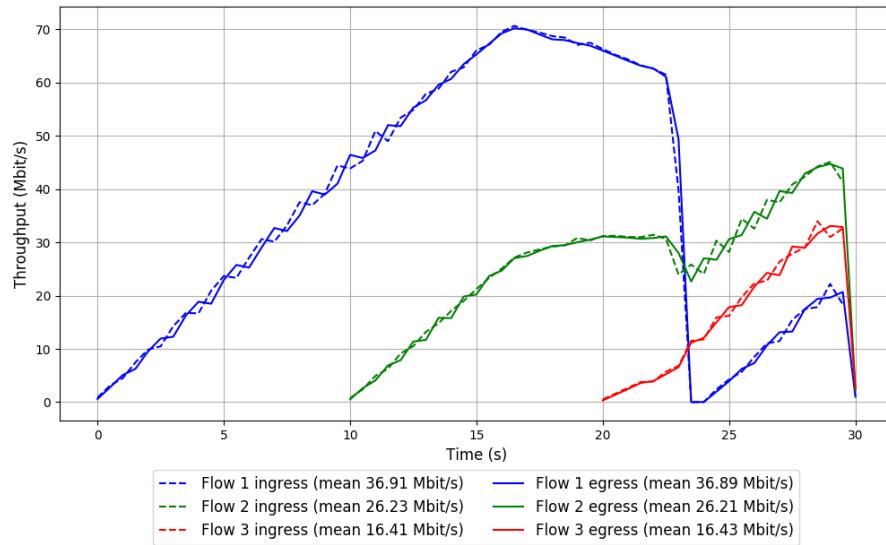


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-21 23:36:29
End at: 2017-09-21 23:36:59
Local clock offset: -3.483 ms
Remote clock offset: -0.778 ms

# Below is generated by plot.py at 2017-09-22 02:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 82.545 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 82.071 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 83.963 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 78.671 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

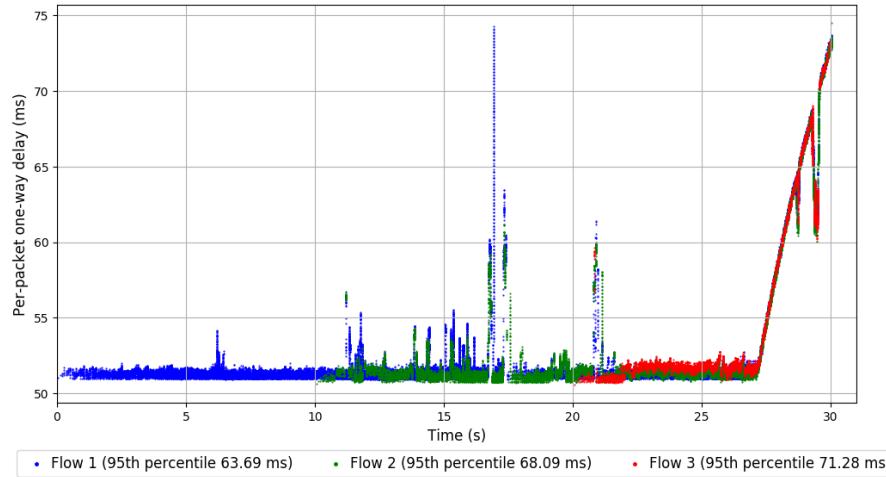
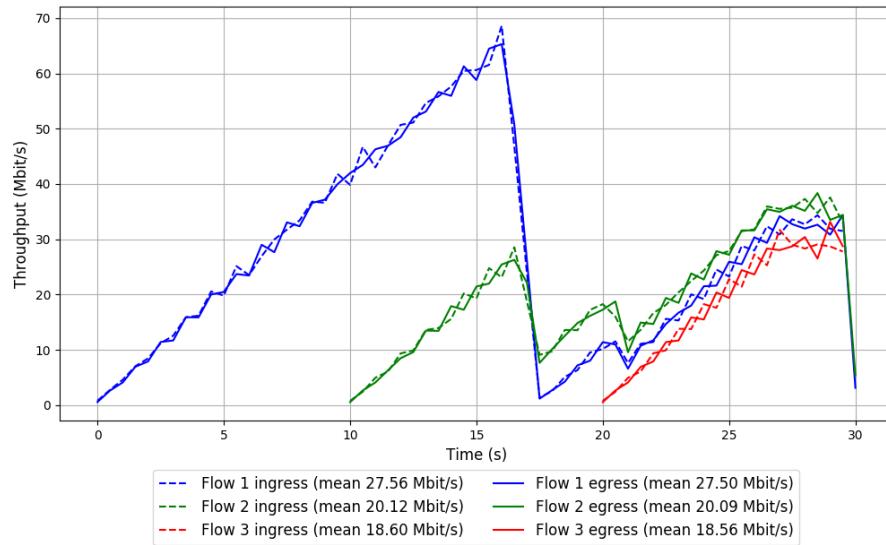


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-21 23:56:11
End at: 2017-09-21 23:56:41
Local clock offset: -3.655 ms
Remote clock offset: -1.824 ms

# Below is generated by plot.py at 2017-09-22 02:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 67.109 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 63.686 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 68.088 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 71.282 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

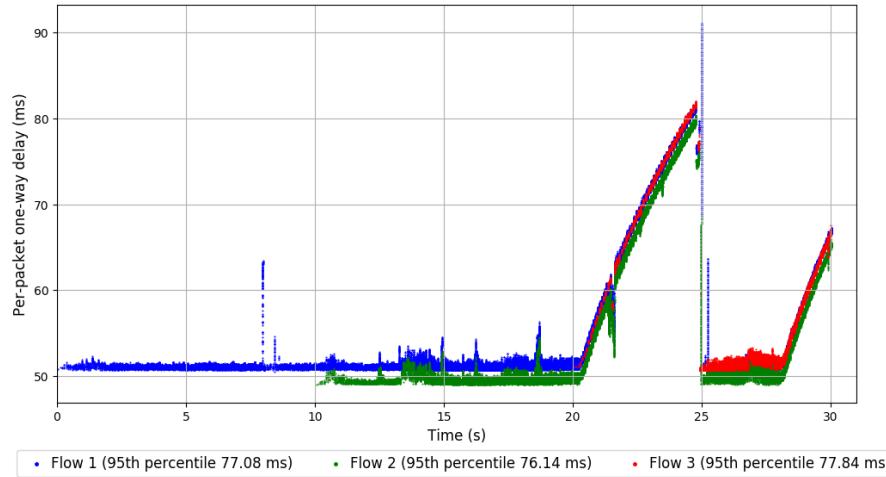
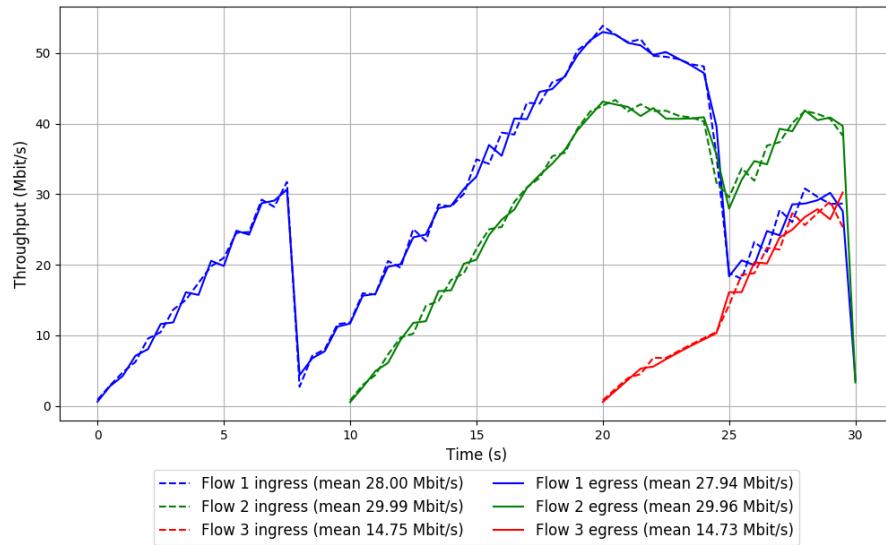


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-22 00:16:56
End at: 2017-09-22 00:17:26
Local clock offset: -3.493 ms
Remote clock offset: -1.914 ms

# Below is generated by plot.py at 2017-09-22 02:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 76.834 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 77.079 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 76.137 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 77.842 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

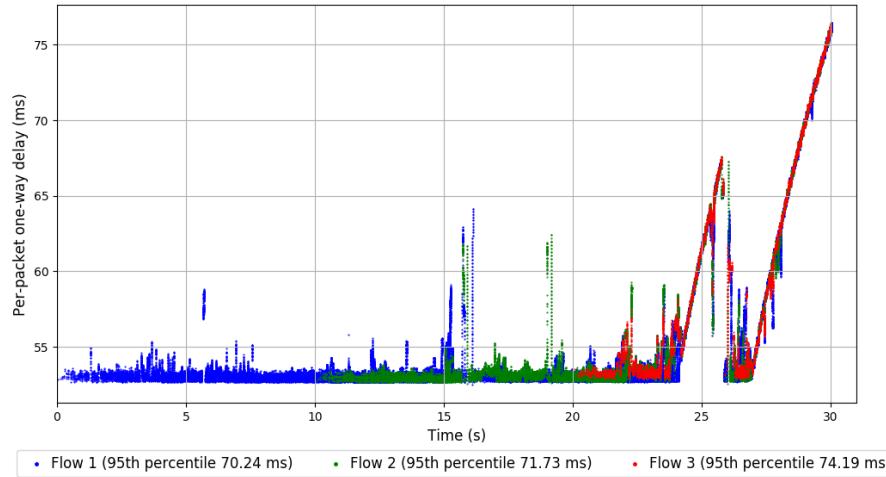
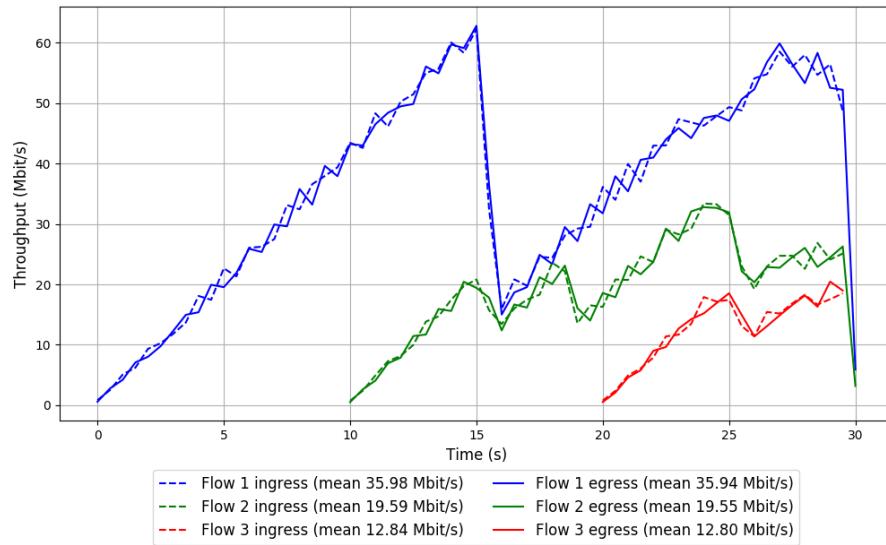


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-22 00:37:52
End at: 2017-09-22 00:38:22
Local clock offset: -2.693 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2017-09-22 02:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 71.274 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 70.244 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 71.727 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 74.188 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

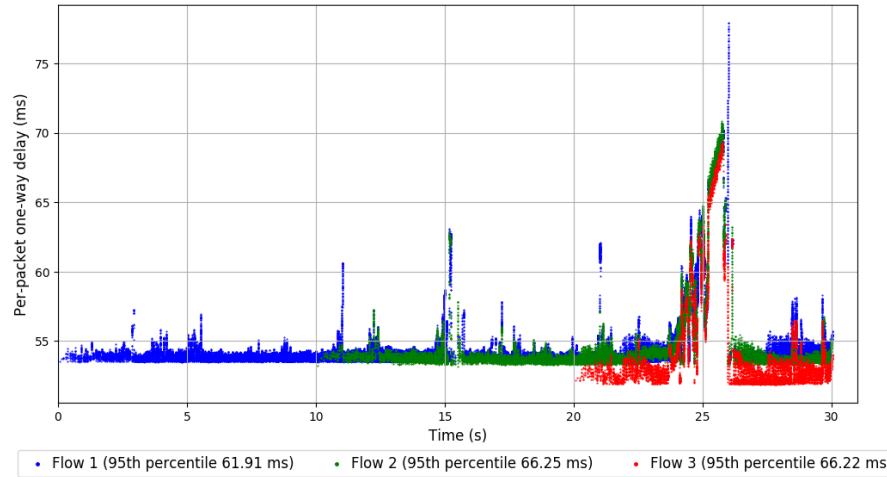
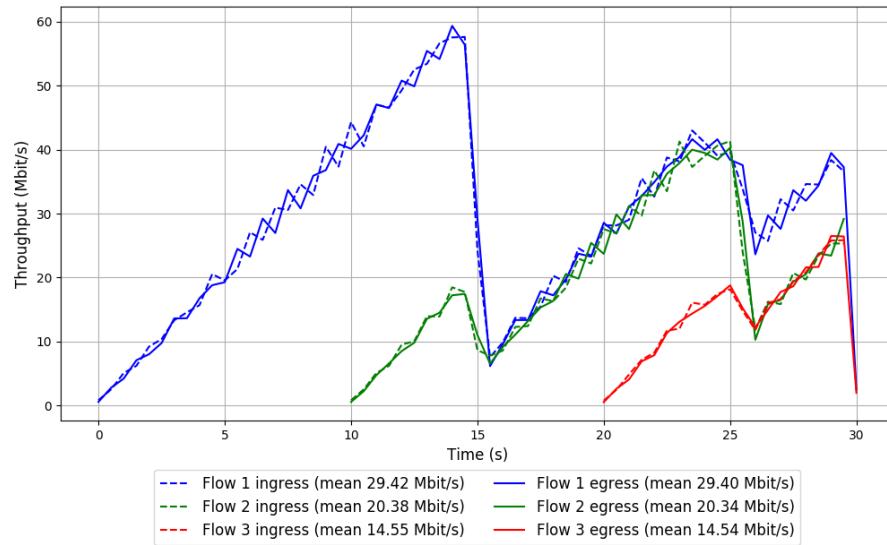


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-22 00:59:04
End at: 2017-09-22 00:59:34
Local clock offset: -1.175 ms
Remote clock offset: 0.331 ms

# Below is generated by plot.py at 2017-09-22 02:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 63.262 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 61.911 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 66.252 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 66.215 ms
Loss rate: 0.06%
```

Run 7: Report of LEDBAT — Data Link

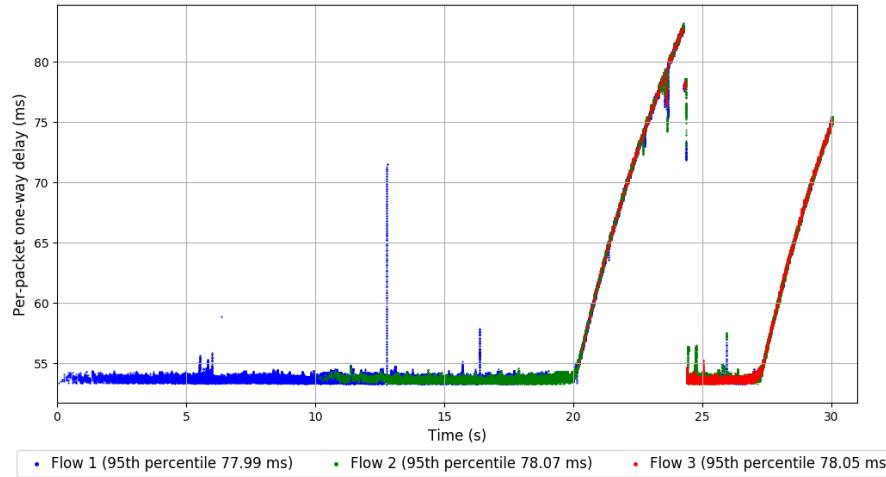
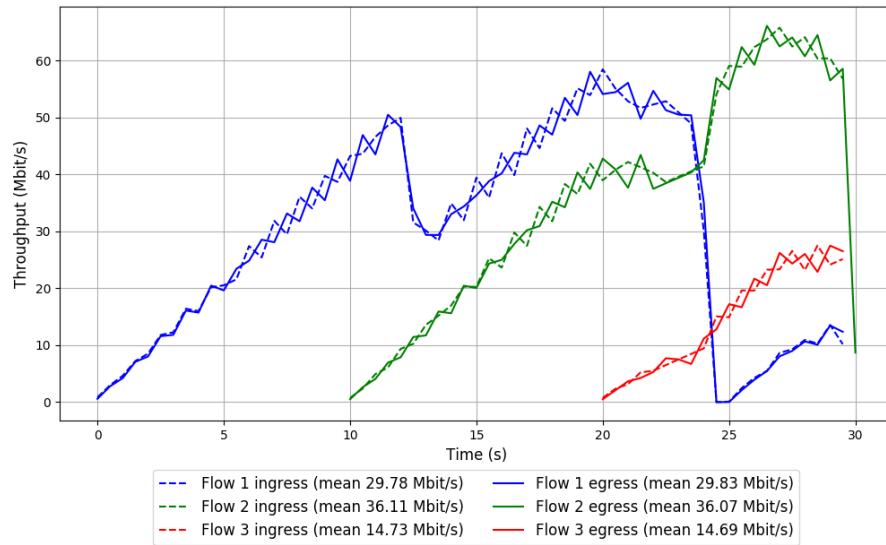


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-22 01:19:28
End at: 2017-09-22 01:19:58
Local clock offset: -0.578 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2017-09-22 02:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 78.015 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 77.989 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 78.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 78.048 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

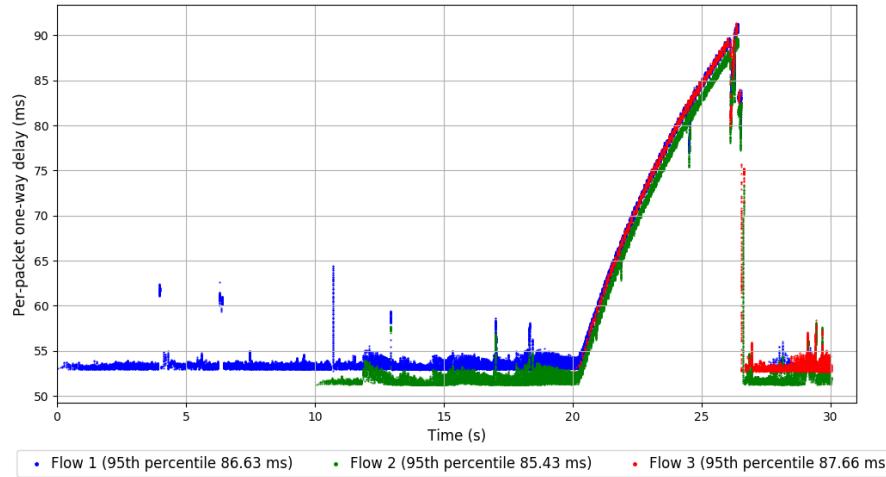
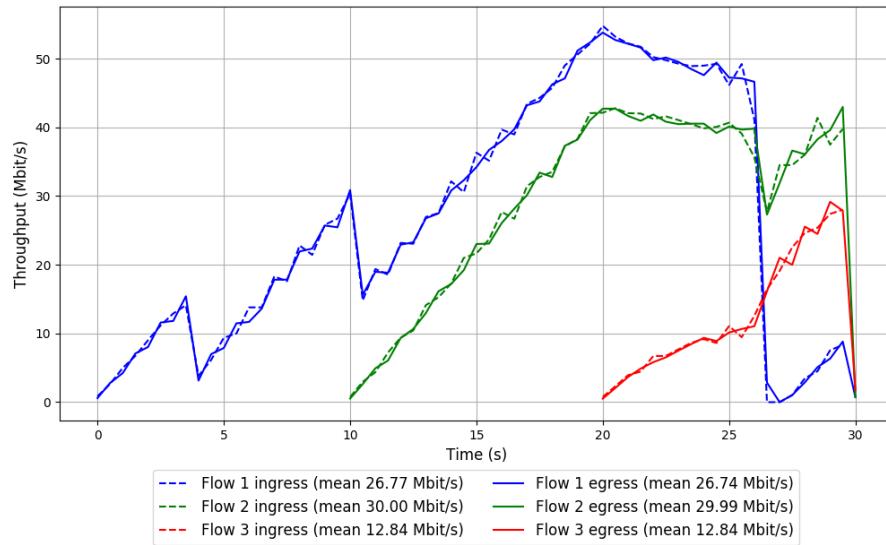


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-22 01:39:58
End at: 2017-09-22 01:40:28
Local clock offset: -0.34 ms
Remote clock offset: -0.412 ms

# Below is generated by plot.py at 2017-09-22 02:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 86.279 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 86.629 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 85.431 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 87.659 ms
Loss rate: 0.04%
```

Run 9: Report of LEDBAT — Data Link

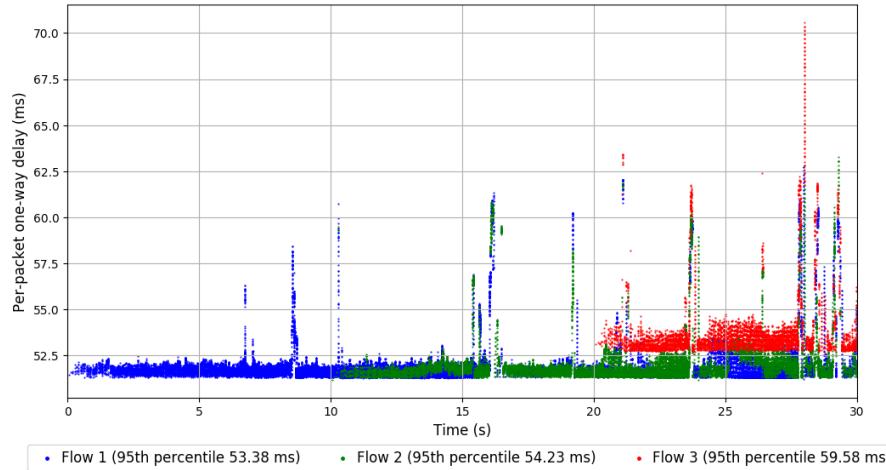
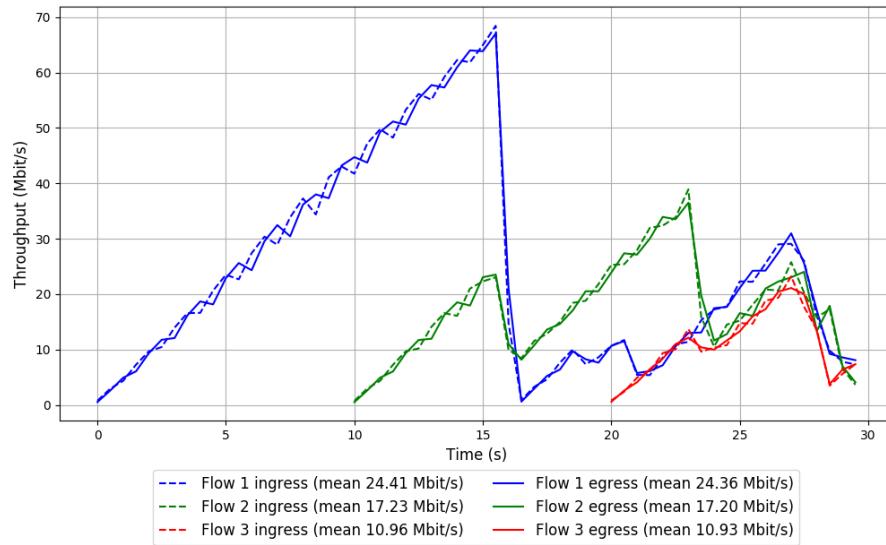


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-22 02:00:03
End at: 2017-09-22 02:00:33
Local clock offset: 0.649 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2017-09-22 02:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 54.284 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 53.377 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 54.235 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 59.577 ms
Loss rate: 0.23%
```

Run 10: Report of LEDBAT — Data Link

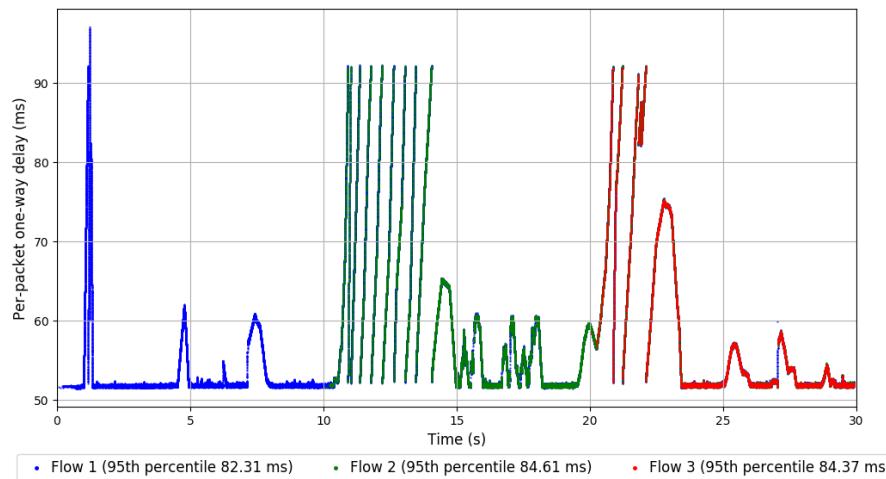
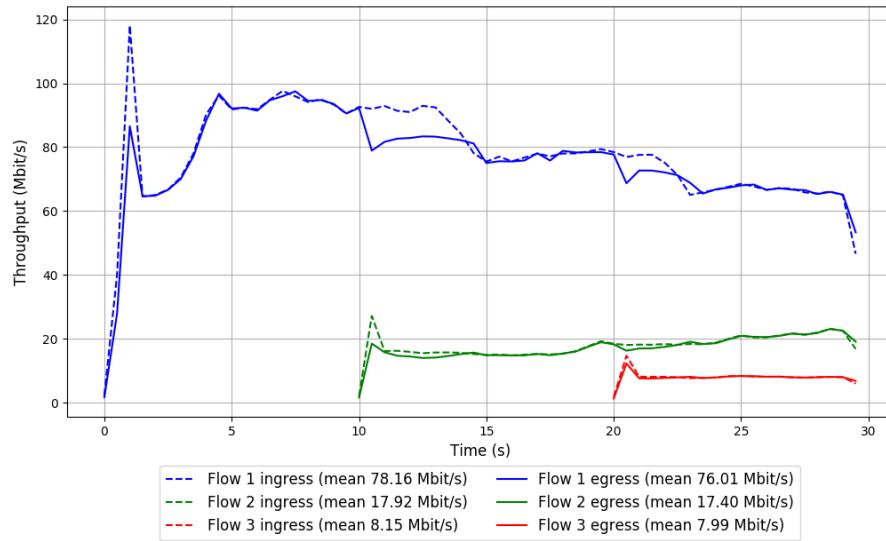


Run 1: Statistics of PCC

```
Start at: 2017-09-21 22:47:42
End at: 2017-09-21 22:48:12
Local clock offset: -1.539 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2017-09-22 02:31:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 82.784 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 82.310 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 84.610 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 84.369 ms
Loss rate: 2.01%
```

Run 1: Report of PCC — Data Link

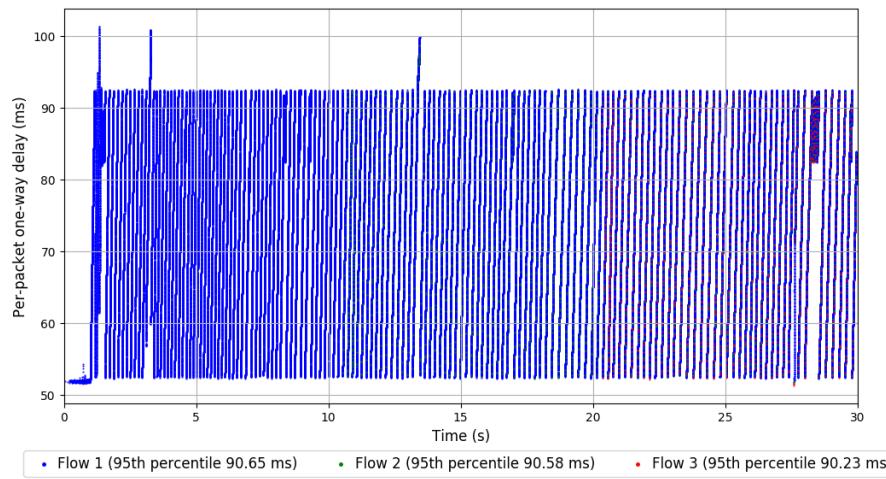
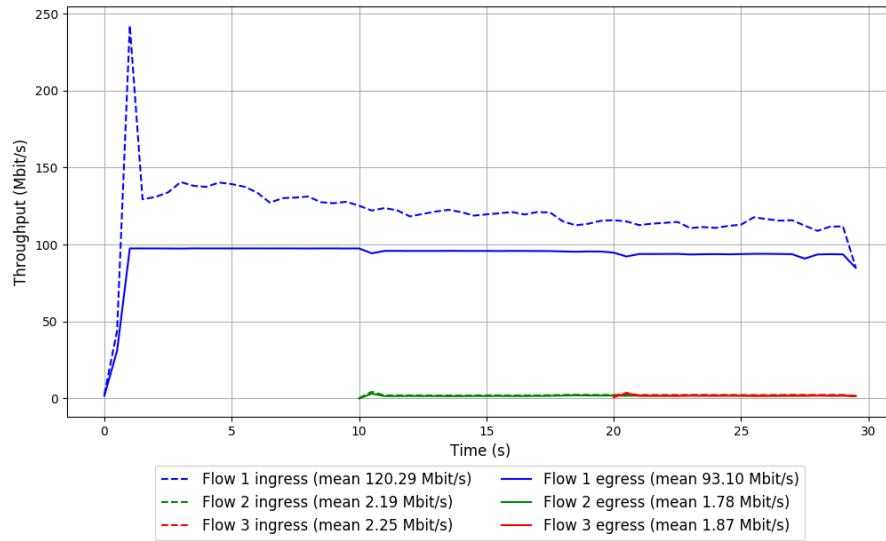


Run 2: Statistics of PCC

```
Start at: 2017-09-21 23:07:24
End at: 2017-09-21 23:07:54
Local clock offset: -2.32 ms
Remote clock offset: -0.441 ms

# Below is generated by plot.py at 2017-09-22 02:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 90.647 ms
Loss rate: 22.45%
-- Flow 1:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 90.650 ms
Loss rate: 22.52%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 90.576 ms
Loss rate: 18.86%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 90.226 ms
Loss rate: 16.85%
```

Run 2: Report of PCC — Data Link

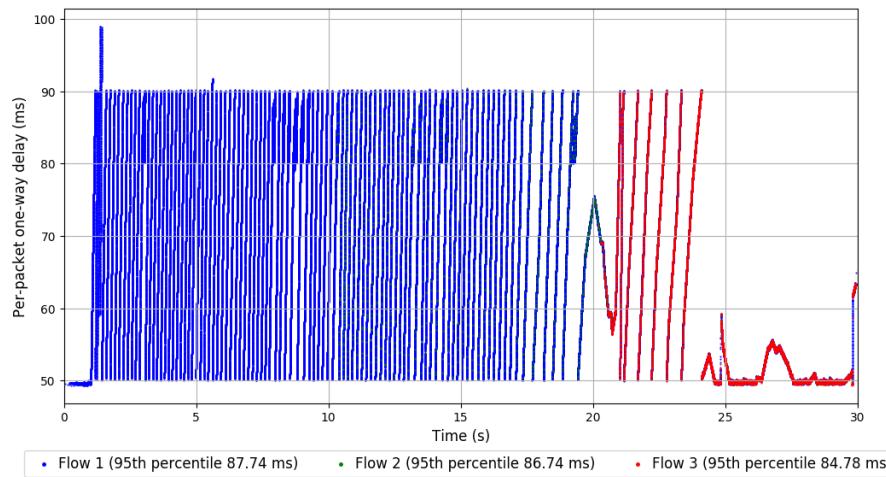
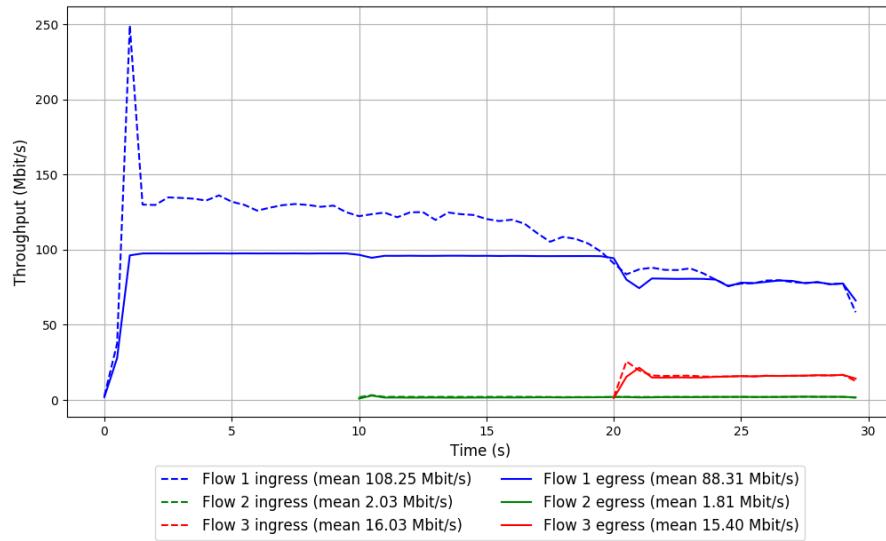


Run 3: Statistics of PCC

```
Start at: 2017-09-21 23:26:50
End at: 2017-09-21 23:27:20
Local clock offset: -3.181 ms
Remote clock offset: -2.814 ms

# Below is generated by plot.py at 2017-09-22 02:32:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 87.658 ms
Loss rate: 17.63%
-- Flow 1:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 87.741 ms
Loss rate: 18.39%
-- Flow 2:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 86.737 ms
Loss rate: 10.54%
-- Flow 3:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 84.778 ms
Loss rate: 4.08%
```

Run 3: Report of PCC — Data Link

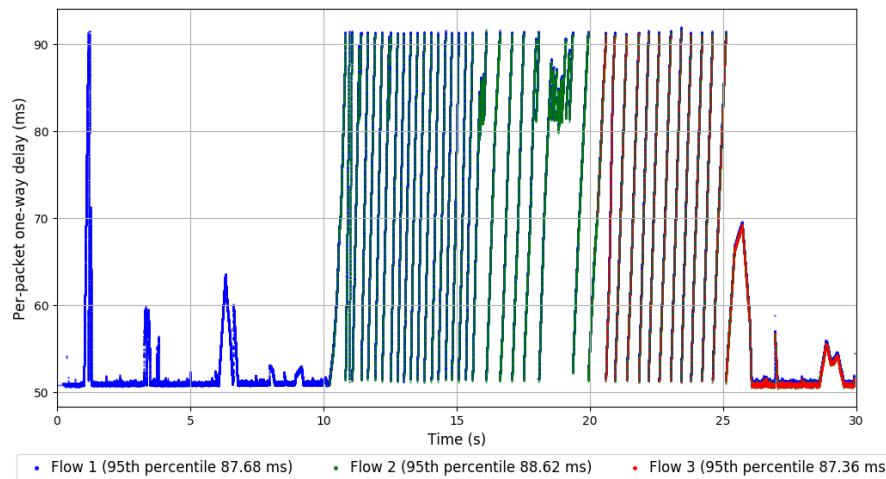
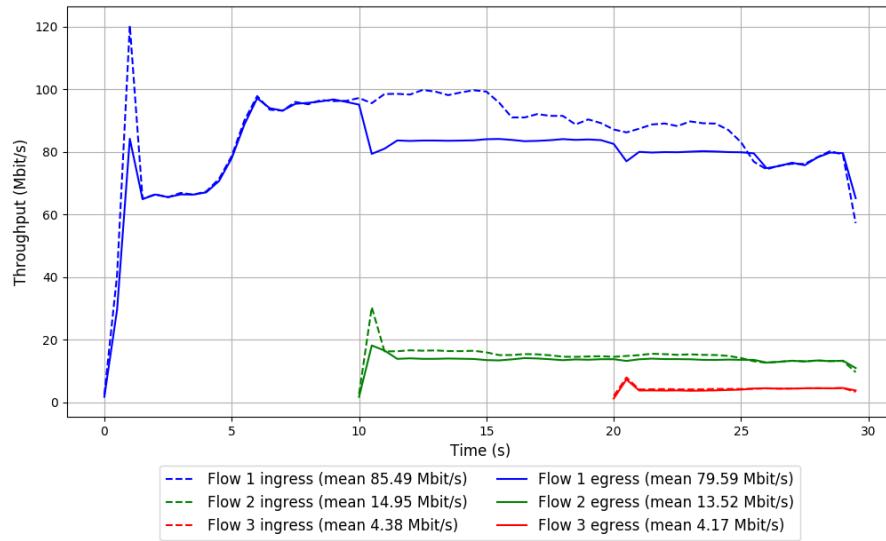


Run 4: Statistics of PCC

```
Start at: 2017-09-21 23:46:15
End at: 2017-09-21 23:46:45
Local clock offset: -3.587 ms
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2017-09-22 02:32:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 87.816 ms
Loss rate: 7.14%
-- Flow 1:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 87.679 ms
Loss rate: 6.89%
-- Flow 2:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 88.621 ms
Loss rate: 9.56%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 87.364 ms
Loss rate: 5.02%
```

Run 4: Report of PCC — Data Link

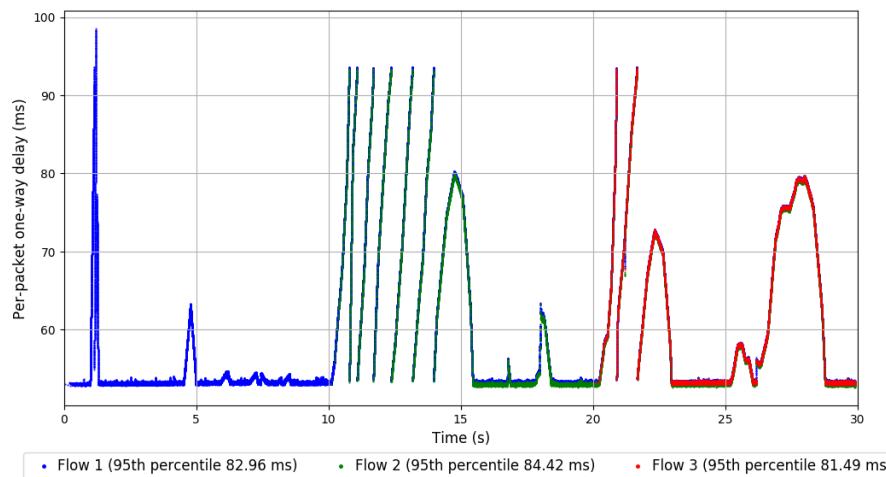
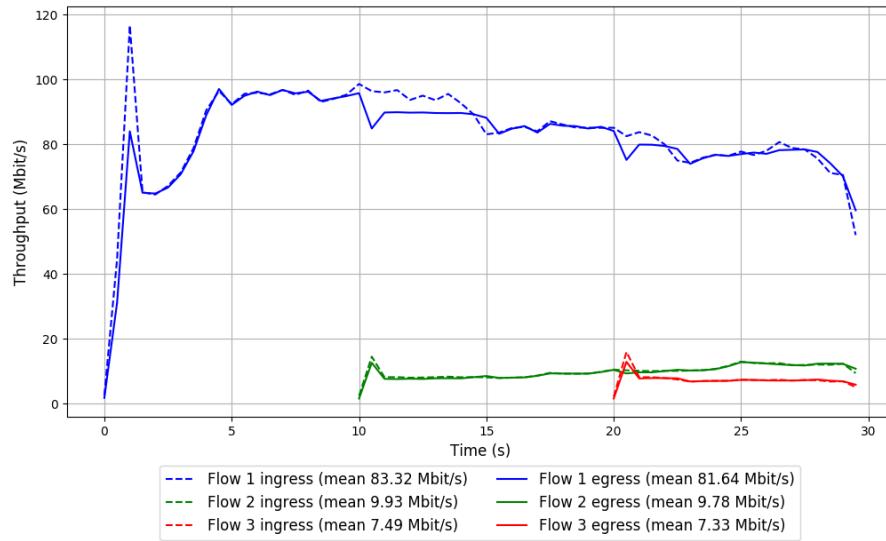


Run 5: Statistics of PCC

```
Start at: 2017-09-22 00:06:35
End at: 2017-09-22 00:07:05
Local clock offset: -3.712 ms
Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2017-09-22 02:32:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 83.070 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 82.961 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 84.418 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 81.494 ms
Loss rate: 2.19%
```

Run 5: Report of PCC — Data Link

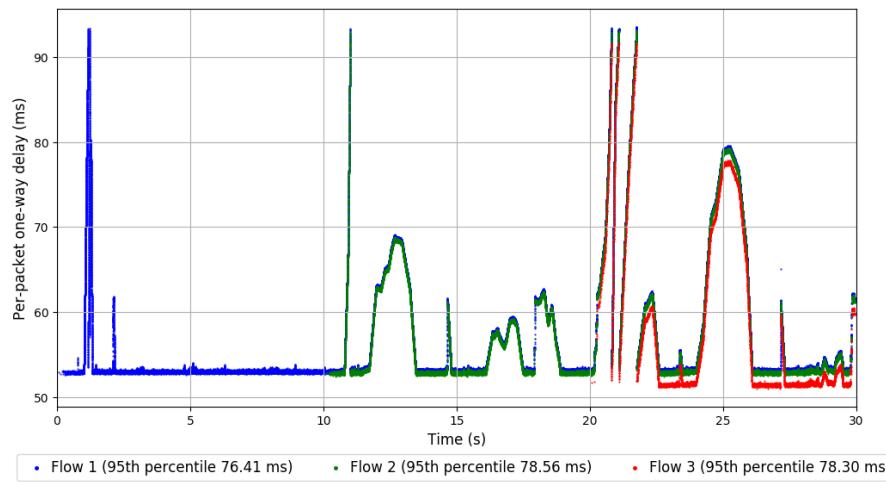
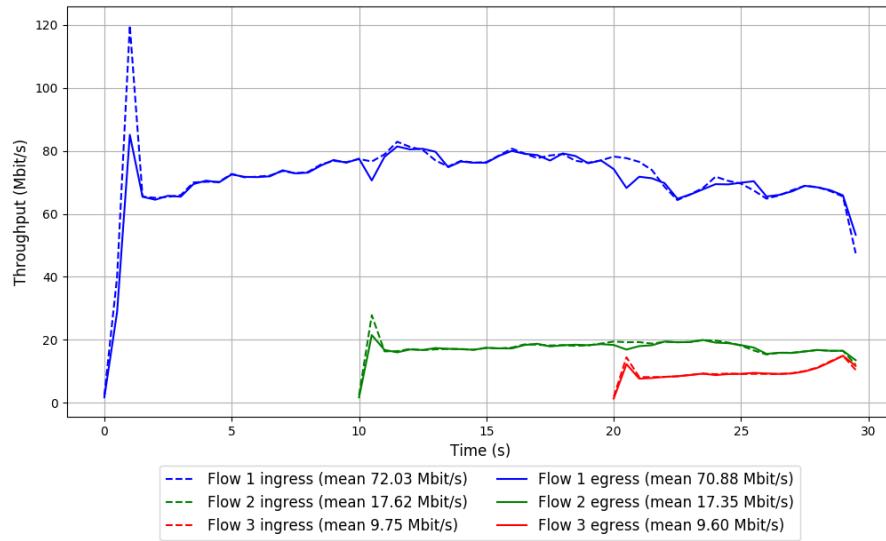


Run 6: Statistics of PCC

```
Start at: 2017-09-22 00:27:18
End at: 2017-09-22 00:27:48
Local clock offset: -3.378 ms
Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2017-09-22 02:32:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 77.099 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 76.406 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 17.35 Mbit/s
95th percentile per-packet one-way delay: 78.562 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 78.300 ms
Loss rate: 1.47%
```

Run 6: Report of PCC — Data Link

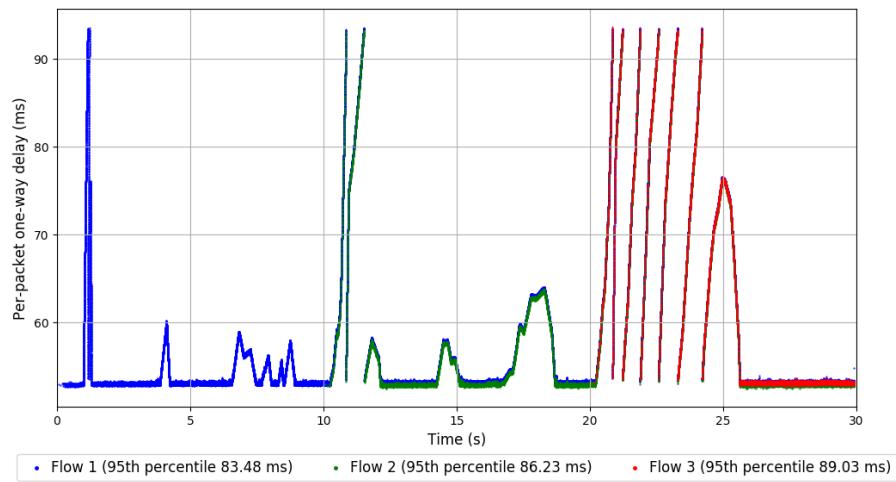
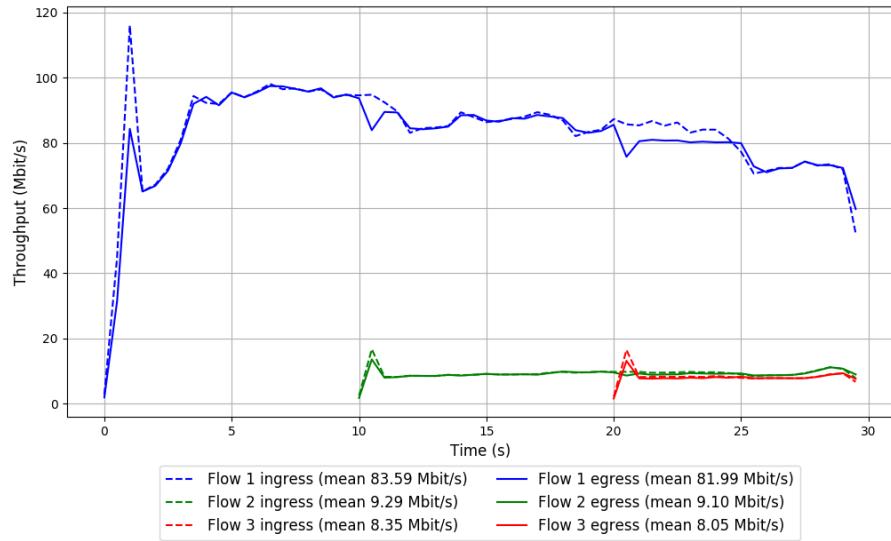


Run 7: Statistics of PCC

```
Start at: 2017-09-22 00:48:28
End at: 2017-09-22 00:48:58
Local clock offset: -2.09 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2017-09-22 02:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 84.121 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 83.484 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 86.229 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 89.033 ms
Loss rate: 3.58%
```

Run 7: Report of PCC — Data Link

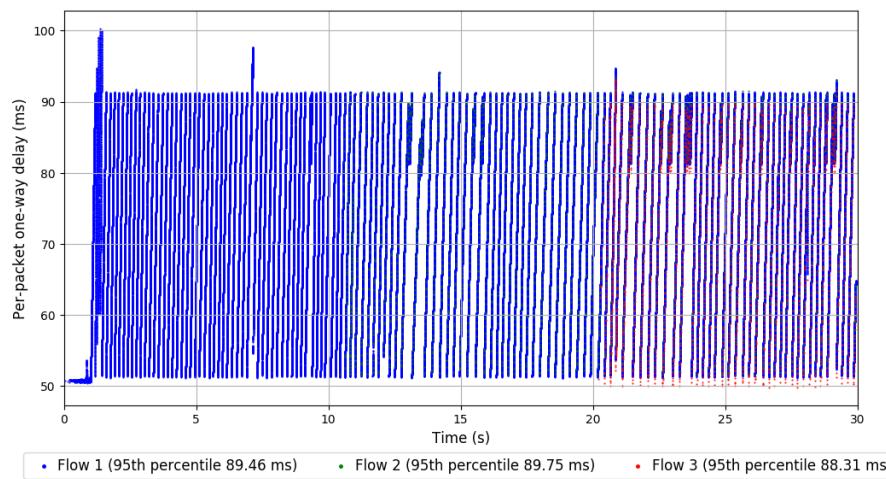
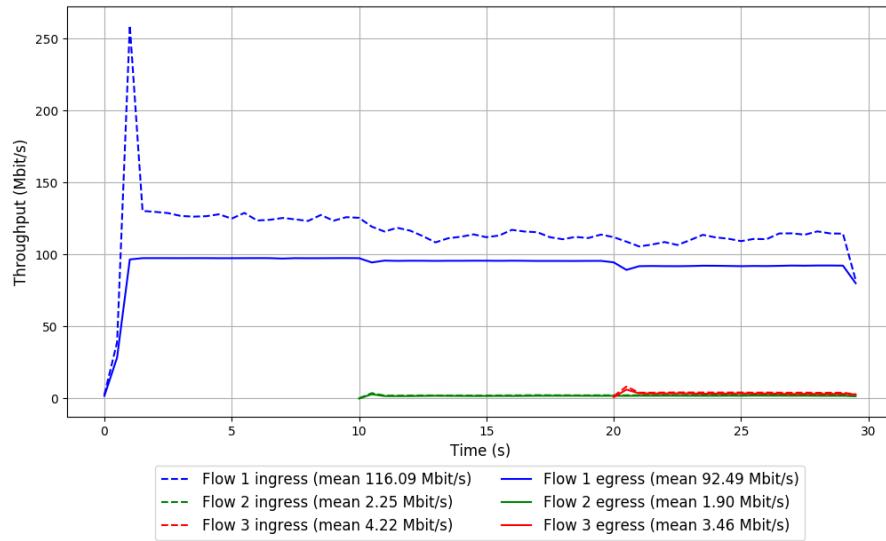


Run 8: Statistics of PCC

```
Start at: 2017-09-22 01:09:31
End at: 2017-09-22 01:10:01
Local clock offset: -0.696 ms
Remote clock offset: -2.433 ms

# Below is generated by plot.py at 2017-09-22 02:32:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 89.444 ms
Loss rate: 20.22%
-- Flow 1:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 89.456 ms
Loss rate: 20.29%
-- Flow 2:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 89.749 ms
Loss rate: 16.67%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 88.307 ms
Loss rate: 18.07%
```

Run 8: Report of PCC — Data Link

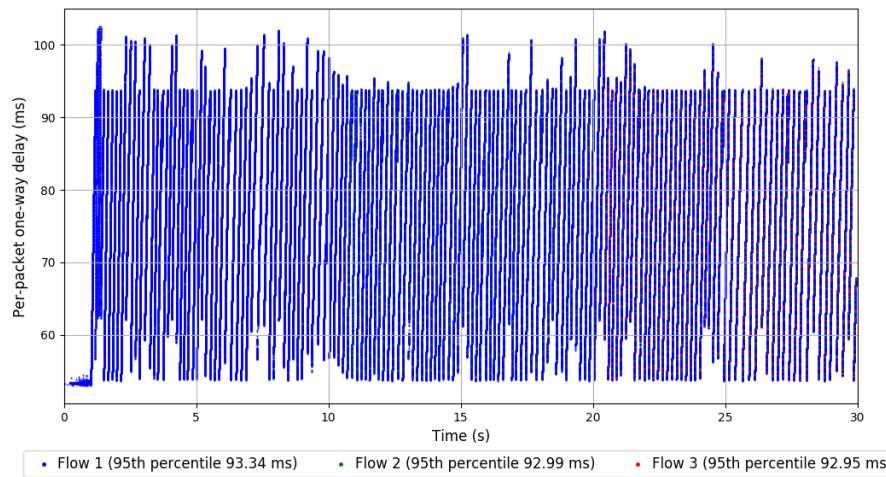
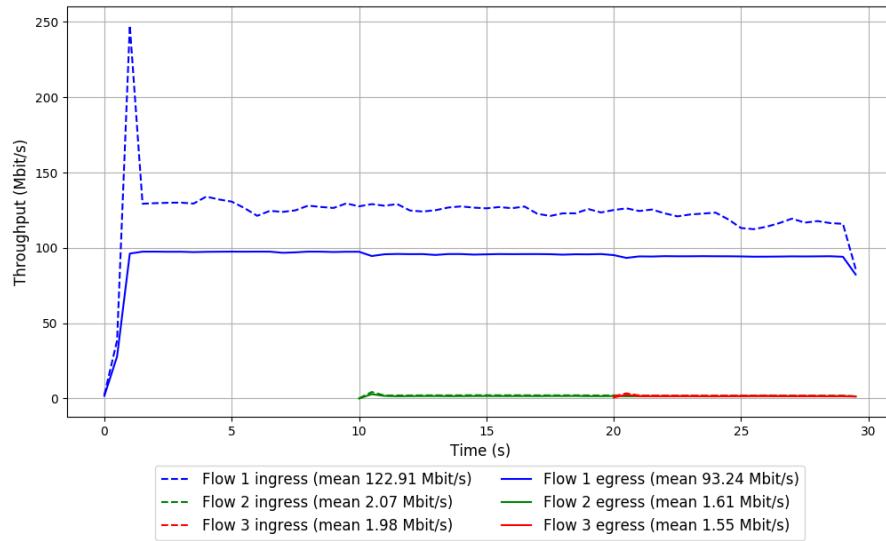


Run 9: Statistics of PCC

```
Start at: 2017-09-22 01:29:53
End at: 2017-09-22 01:30:23
Local clock offset: -0.781 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2017-09-22 02:33:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 93.334 ms
Loss rate: 24.07%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 93.342 ms
Loss rate: 24.10%
-- Flow 2:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 92.992 ms
Loss rate: 22.22%
-- Flow 3:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 92.949 ms
Loss rate: 21.59%
```

Run 9: Report of PCC — Data Link

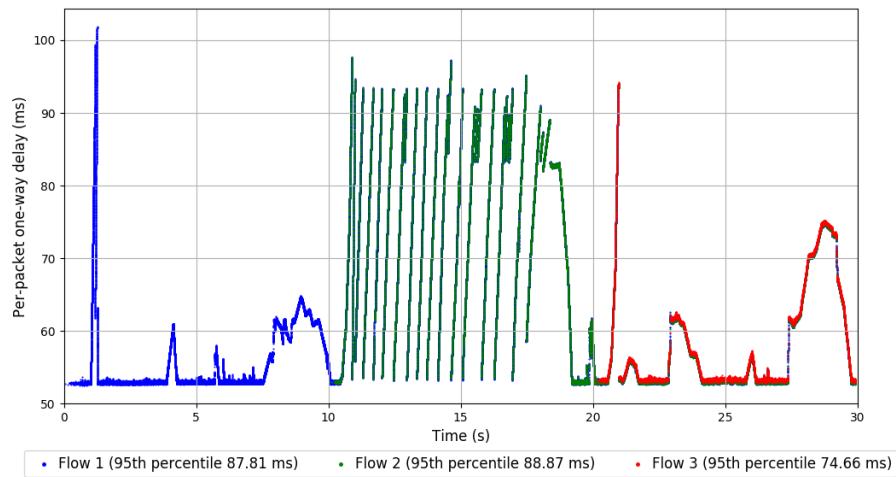
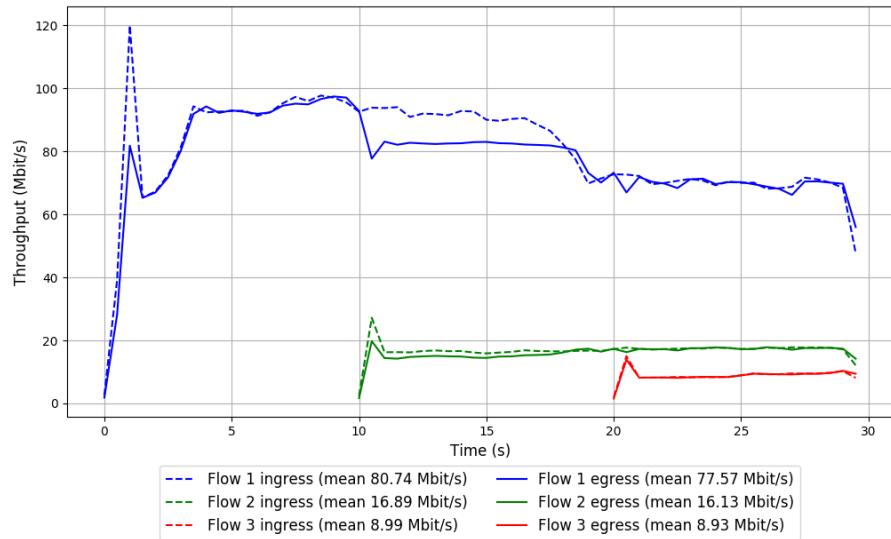


Run 10: Statistics of PCC

```
Start at: 2017-09-22 01:50:16
End at: 2017-09-22 01:50:46
Local clock offset: 0.27 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2017-09-22 02:33:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 87.857 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 87.806 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 4.47%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 74.656 ms
Loss rate: 0.61%
```

Run 10: Report of PCC — Data Link

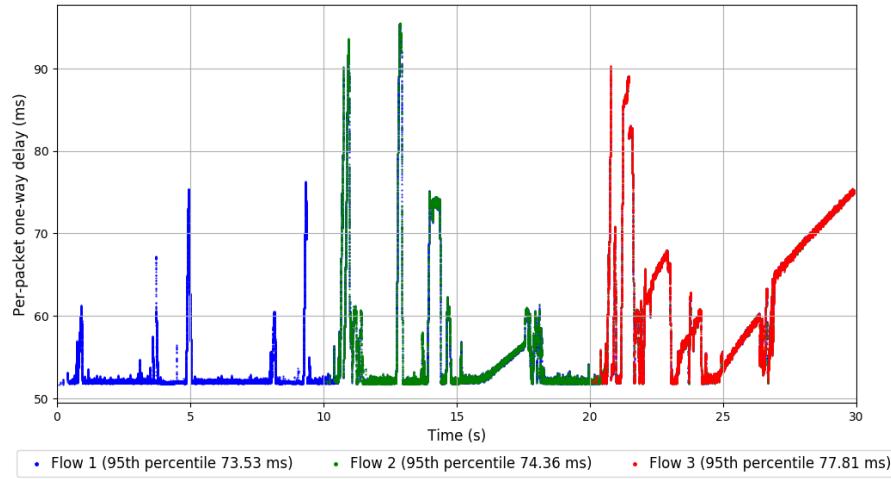
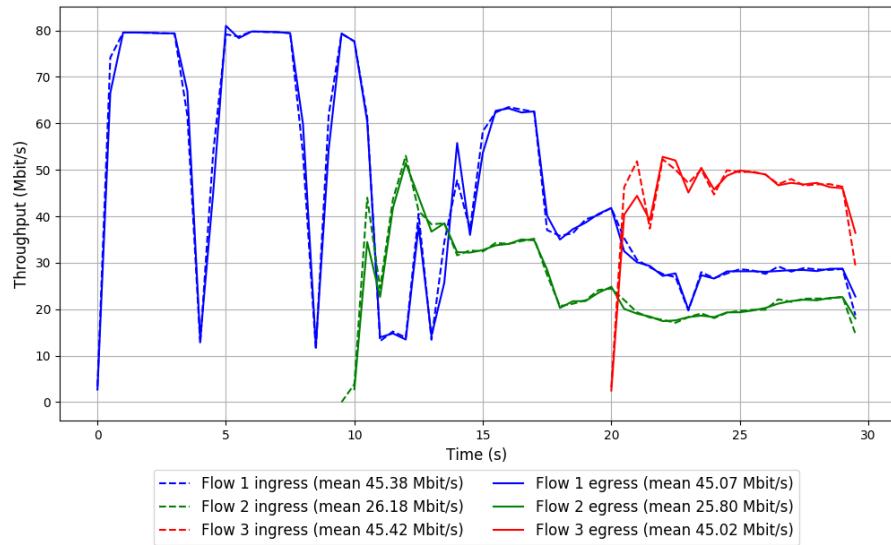


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-09-21 22:43:17
End at: 2017-09-21 22:43:47
Local clock offset: -1.281 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2017-09-22 02:33:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 74.101 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 73.525 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 74.357 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 77.815 ms
Loss rate: 0.63%
```

Run 1: Report of QUIC Cubic — Data Link

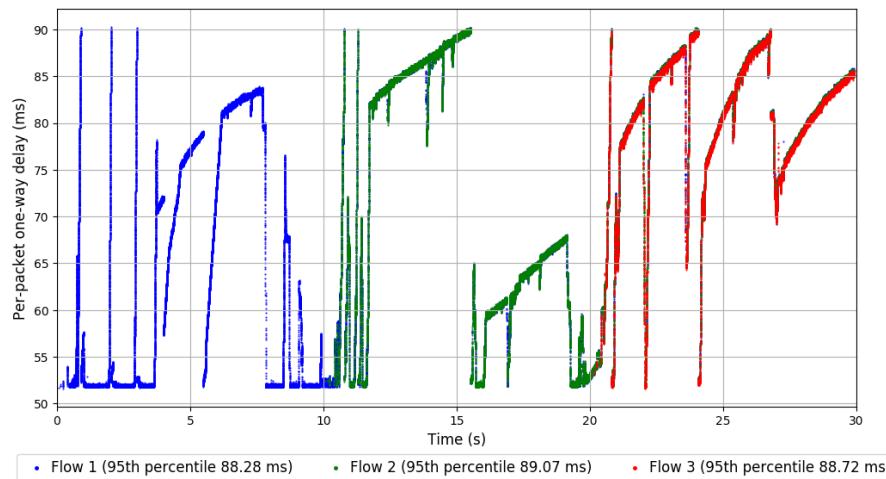
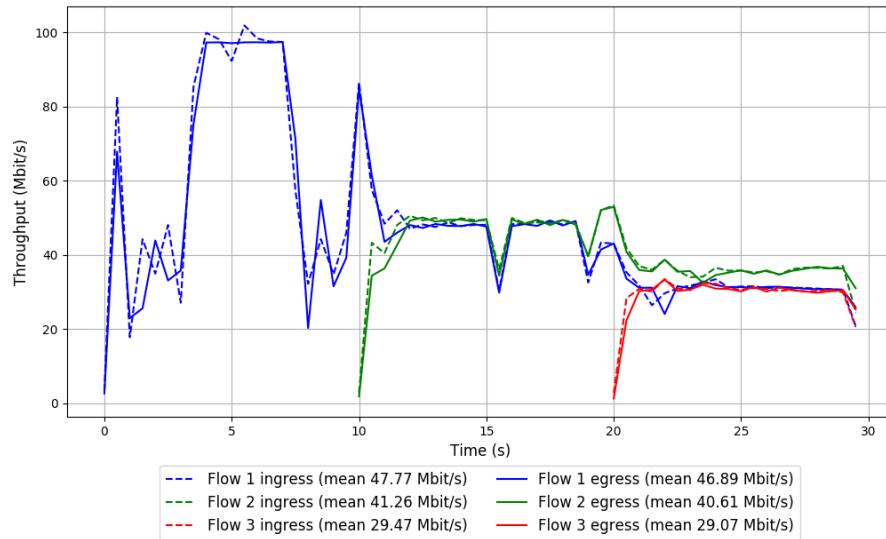


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-21 23:02:58
End at: 2017-09-21 23:03:28
Local clock offset: -2.243 ms
Remote clock offset: -0.5 ms

# Below is generated by plot.py at 2017-09-22 02:33:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 88.638 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 88.285 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 89.073 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 1.02%
```

Run 2: Report of QUIC Cubic — Data Link

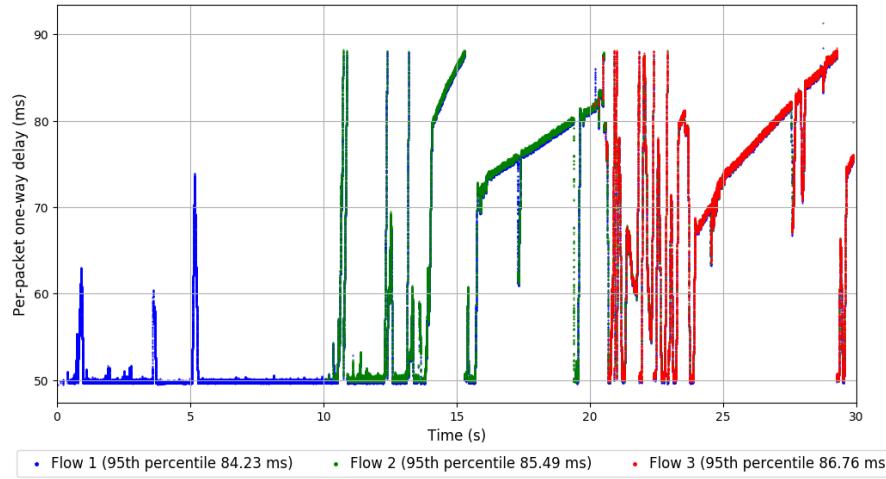
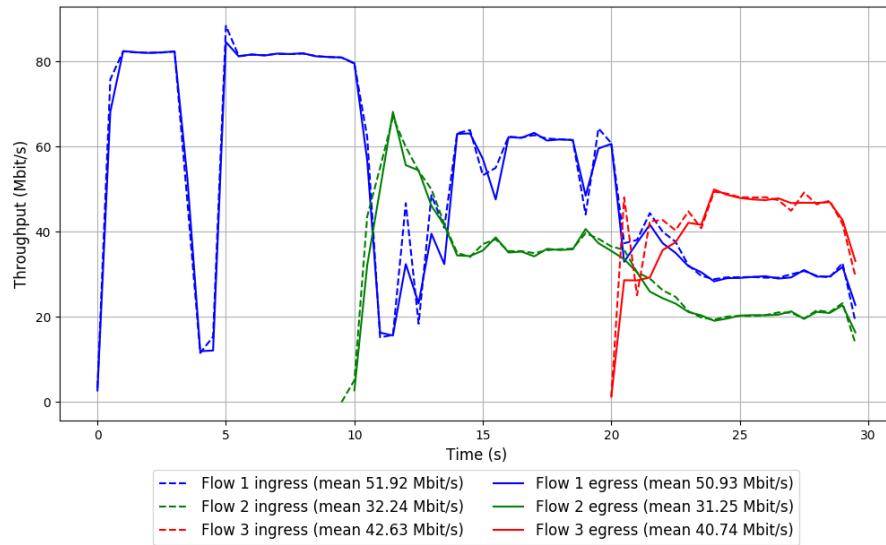


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-21 23:22:34
End at: 2017-09-21 23:23:04
Local clock offset: -3.063 ms
Remote clock offset: -2.762 ms

# Below is generated by plot.py at 2017-09-22 02:33:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 85.207 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 84.227 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 85.486 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 4.50%
```

Run 3: Report of QUIC Cubic — Data Link

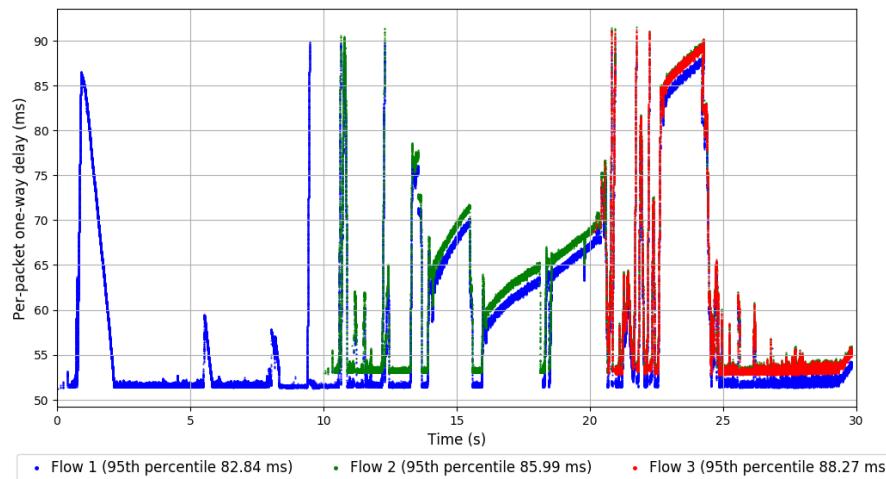
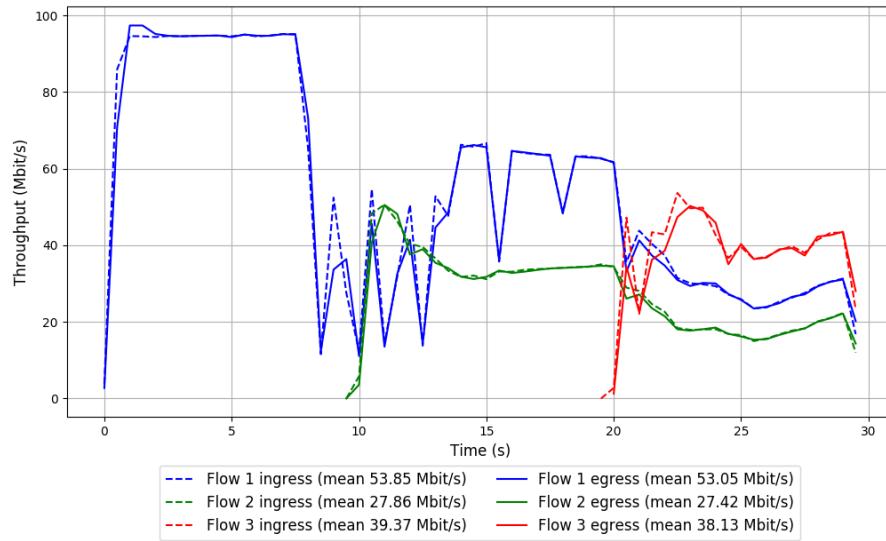


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-21 23:41:59
End at: 2017-09-21 23:42:29
Local clock offset: -3.602 ms
Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2017-09-22 02:33:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 85.841 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 82.842 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 85.988 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 88.272 ms
Loss rate: 3.30%
```

Run 4: Report of QUIC Cubic — Data Link

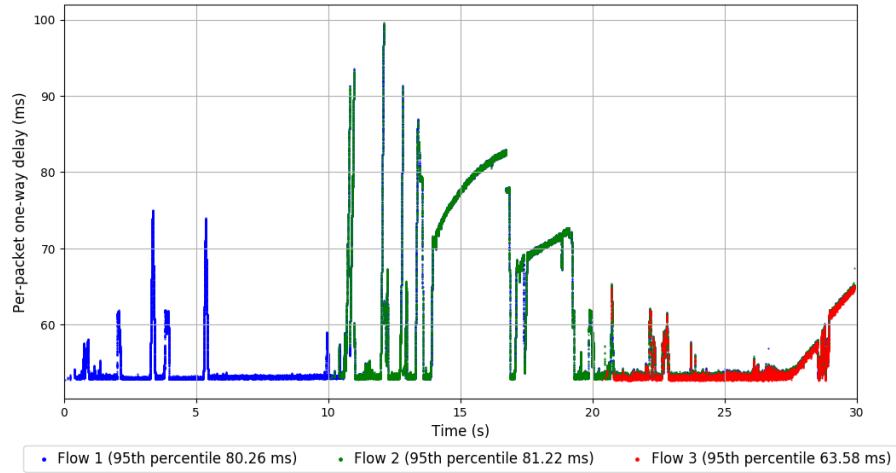
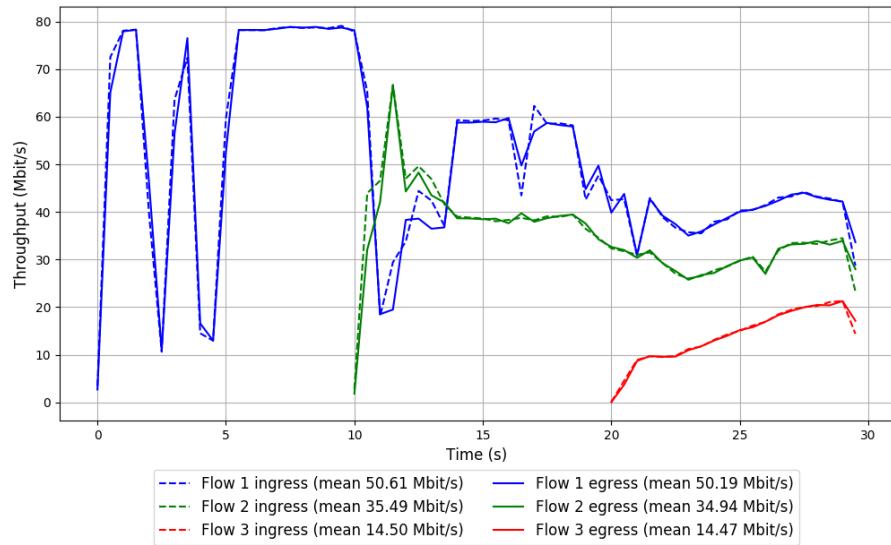


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-22 00:01:58
End at: 2017-09-22 00:02:28
Local clock offset: -3.669 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2017-09-22 02:33:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 80.470 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 80.261 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 81.215 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 63.577 ms
Loss rate: 0.03%
```

Run 5: Report of QUIC Cubic — Data Link

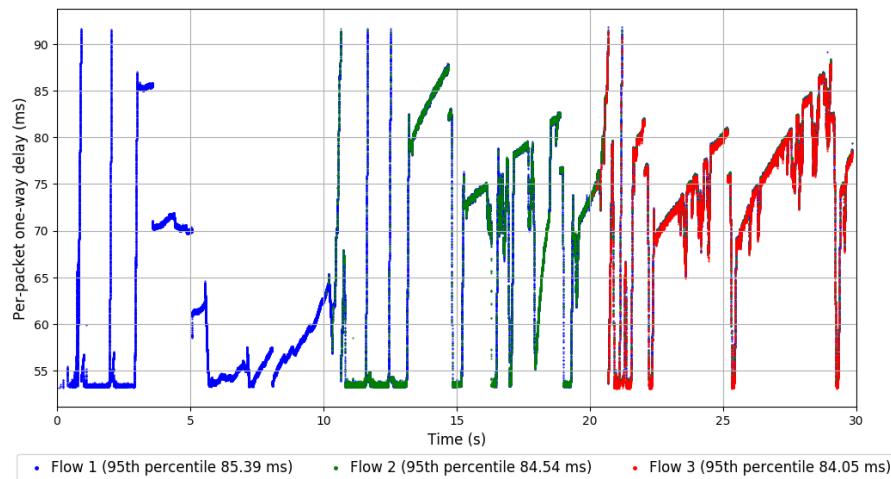
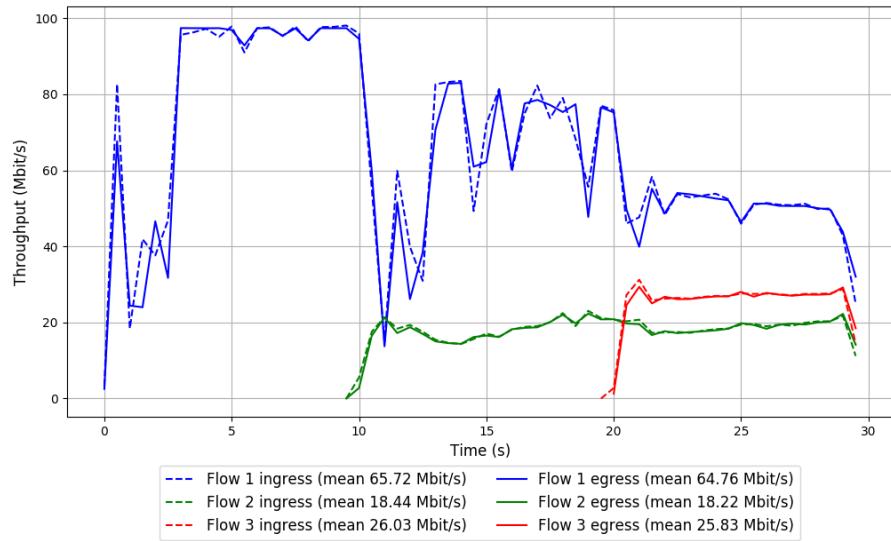


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-22 00:22:30
End at: 2017-09-22 00:23:00
Local clock offset: -3.428 ms
Remote clock offset: 0.642 ms

# Below is generated by plot.py at 2017-09-22 02:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 85.330 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 85.393 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 84.537 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 84.053 ms
Loss rate: 0.70%
```

Run 6: Report of QUIC Cubic — Data Link

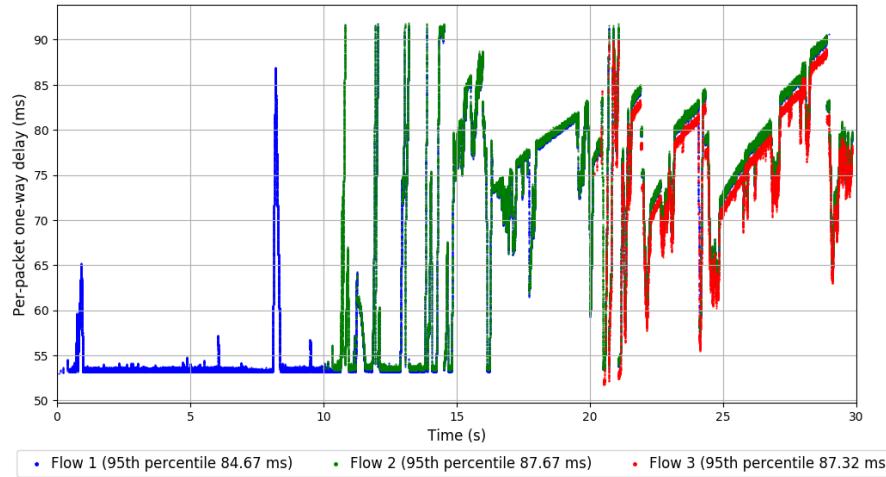
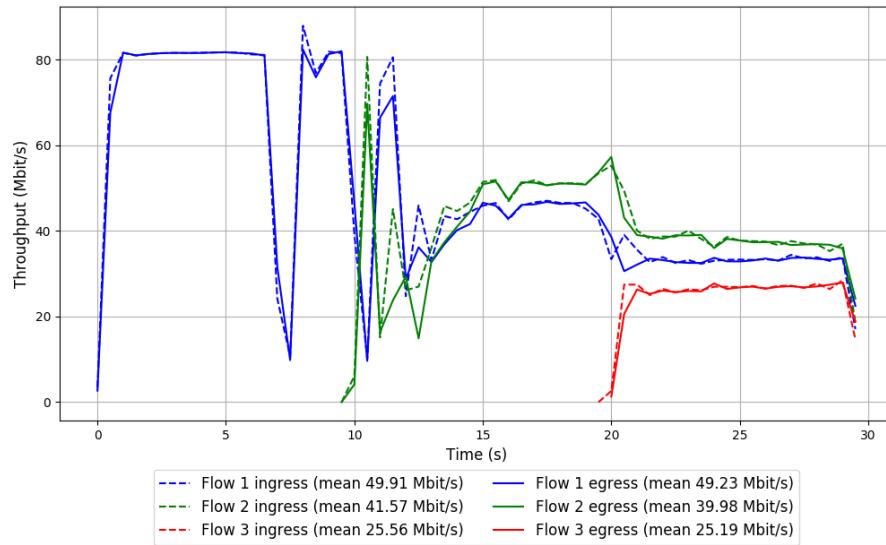


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-22 00:43:37
End at: 2017-09-22 00:44:07
Local clock offset: -2.431 ms
Remote clock offset: 0.318 ms

# Below is generated by plot.py at 2017-09-22 02:34:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 85.771 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 84.669 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 87.669 ms
Loss rate: 3.69%
-- Flow 3:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 87.317 ms
Loss rate: 1.28%
```

Run 7: Report of QUIC Cubic — Data Link

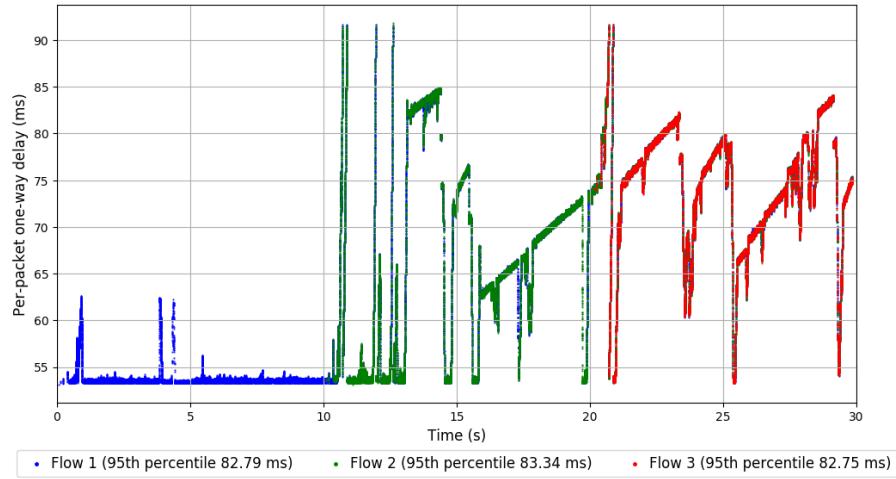
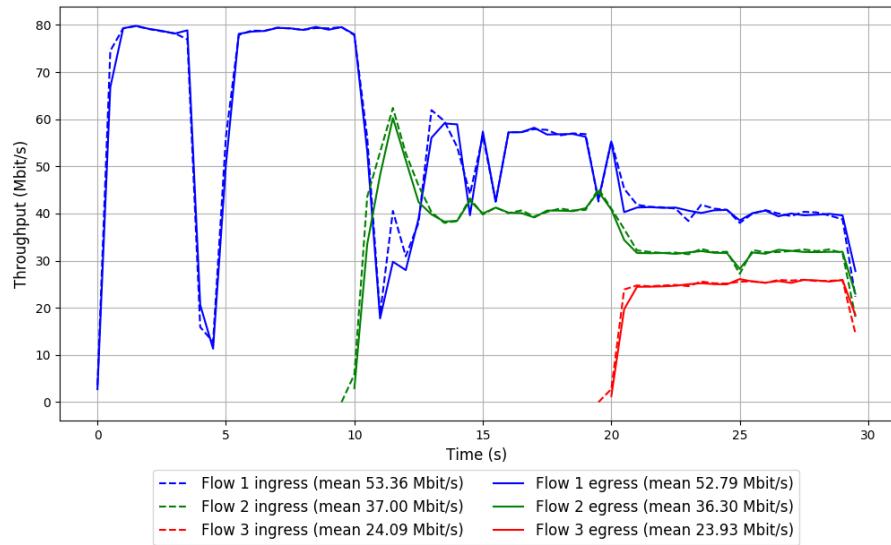


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-22 01:04:57
End at: 2017-09-22 01:05:27
Local clock offset: -0.972 ms
Remote clock offset: 0.181 ms

# Below is generated by plot.py at 2017-09-22 02:34:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 82.953 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 82.794 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 83.342 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 82.755 ms
Loss rate: 0.65%
```

Run 8: Report of QUIC Cubic — Data Link

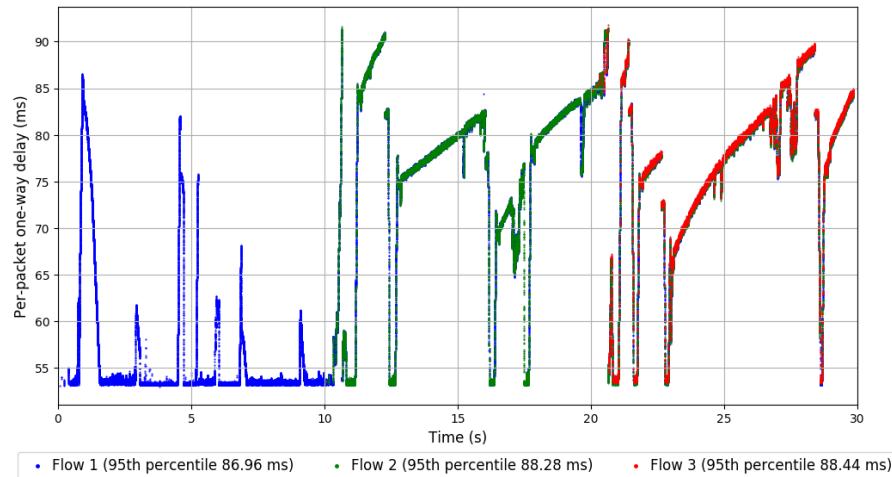
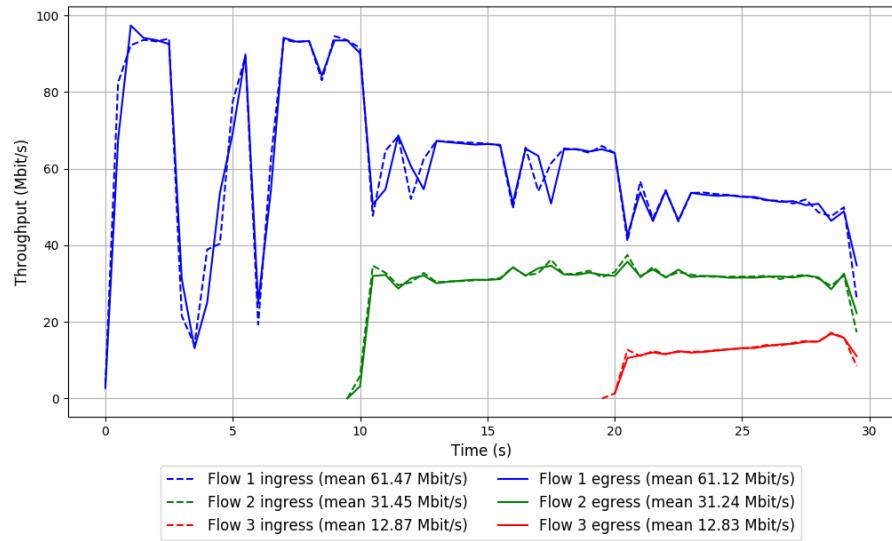


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-22 01:25:16
End at: 2017-09-22 01:25:46
Local clock offset: -0.707 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2017-09-22 02:34:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 87.677 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 86.960 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 88.277 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 88.436 ms
Loss rate: 0.38%
```

Run 9: Report of QUIC Cubic — Data Link

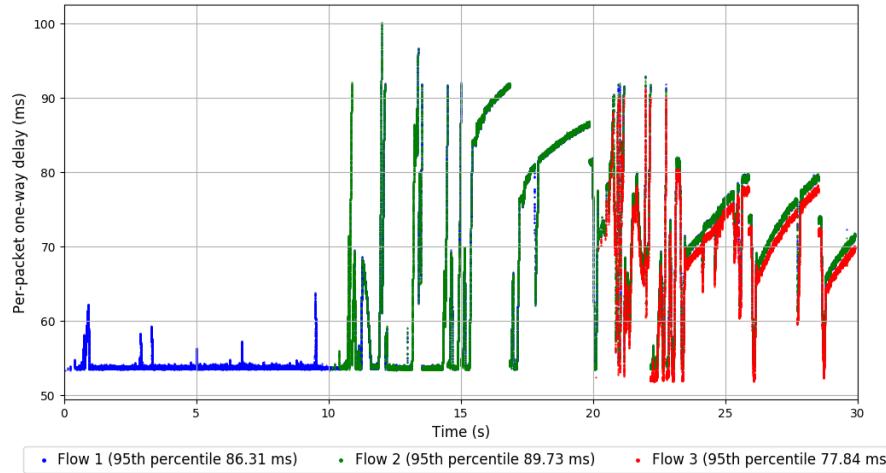
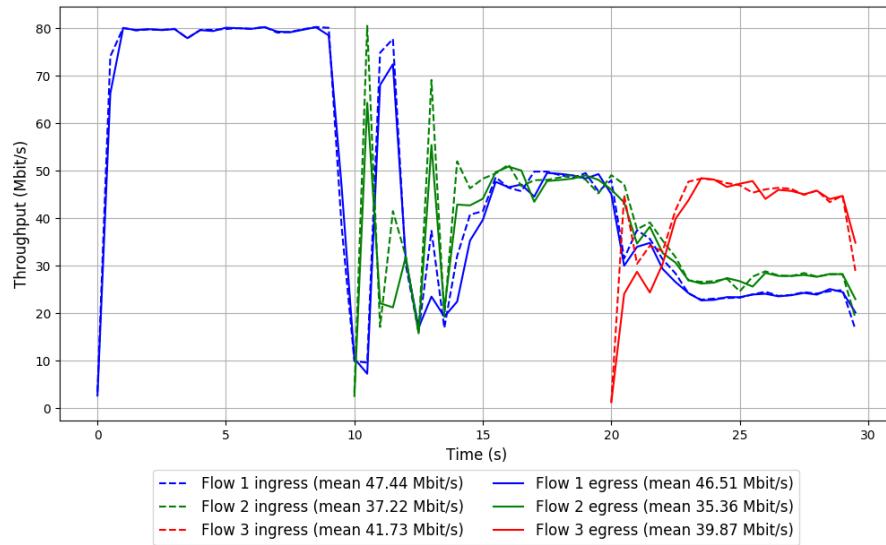


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-22 01:45:47
End at: 2017-09-22 01:46:17
Local clock offset: -0.078 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 87.074 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 86.306 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 89.733 ms
Loss rate: 4.92%
-- Flow 3:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 77.841 ms
Loss rate: 4.29%
```

Run 10: Report of QUIC Cubic — Data Link

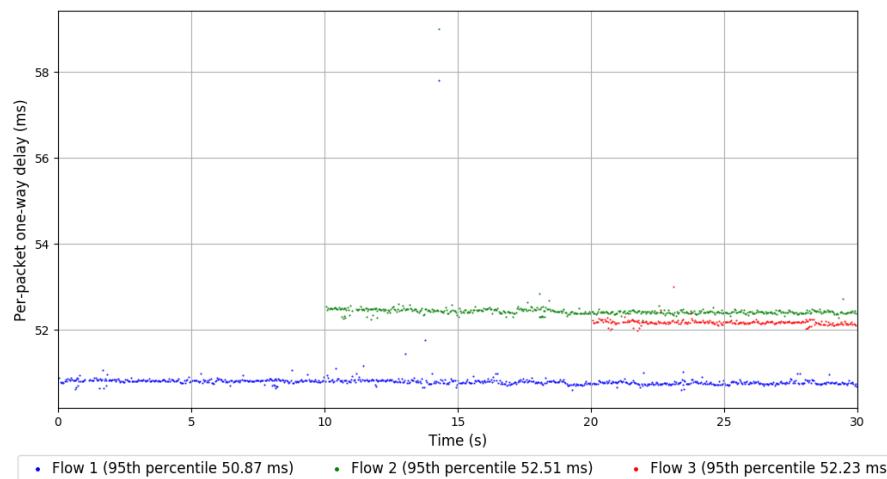
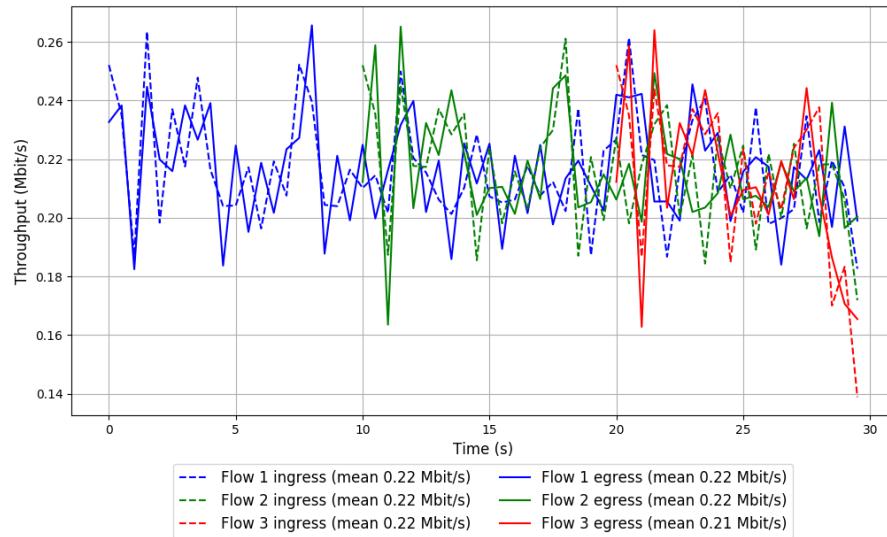


```
Run 1: Statistics of SCReAM

Start at: 2017-09-21 22:52:01
End at: 2017-09-21 22:52:31
Local clock offset: -1.659 ms
Remote clock offset: 0.384 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 52.476 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.233 ms
Loss rate: 0.48%
```

Run 1: Report of SCReAM — Data Link

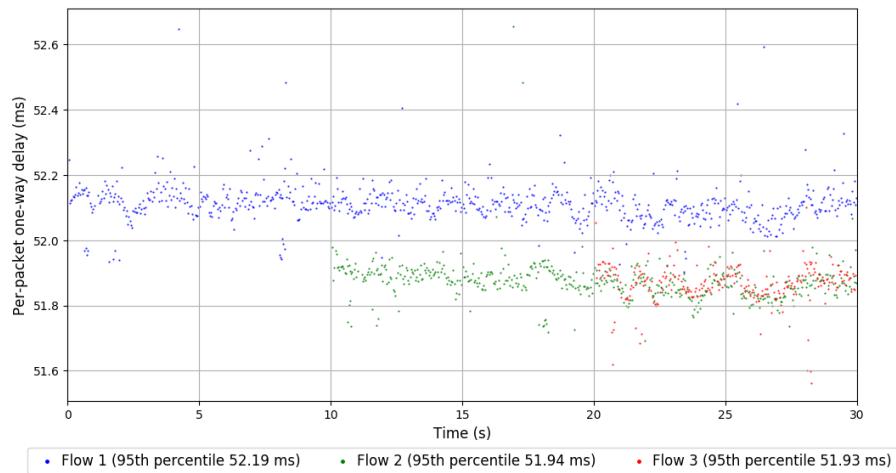
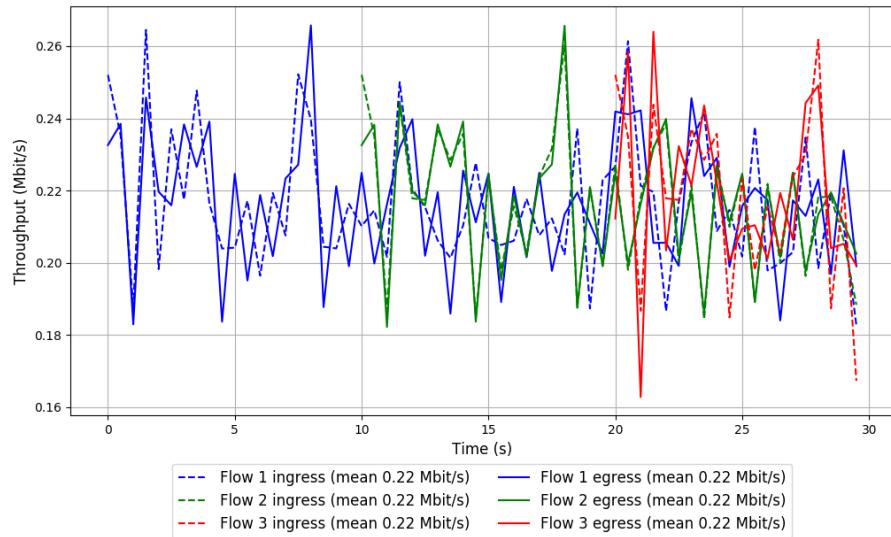


Run 2: Statistics of SCReAM

```
Start at: 2017-09-21 23:11:38
End at: 2017-09-21 23:12:08
Local clock offset: -2.582 ms
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 52.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.934 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

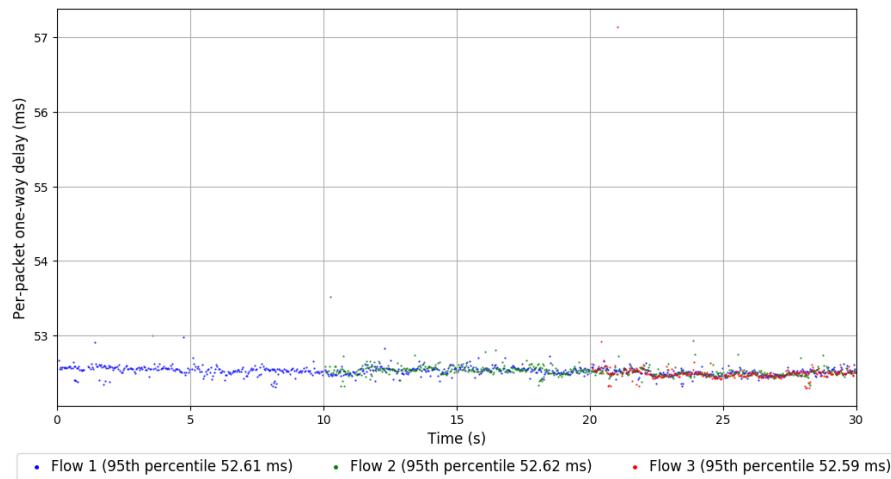
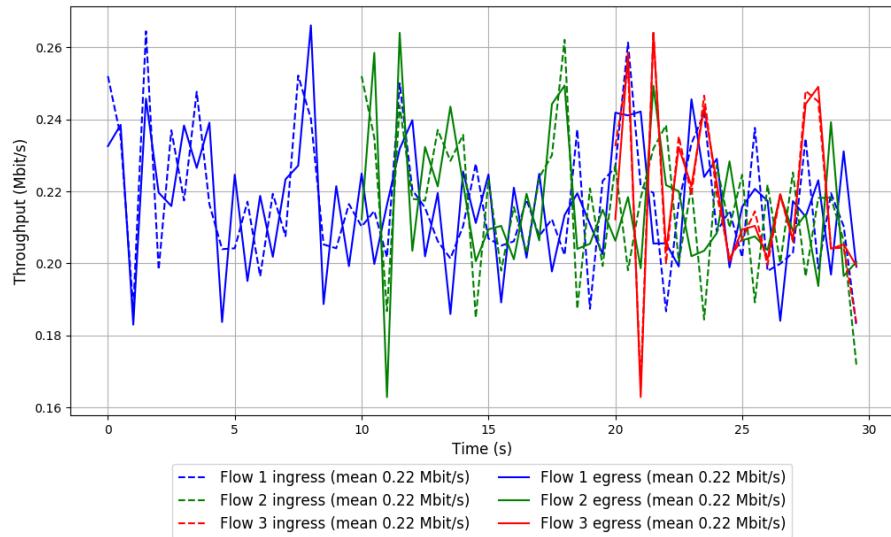


Run 3: Statistics of SCReAM

```
Start at: 2017-09-21 23:31:03
End at: 2017-09-21 23:31:33
Local clock offset: -3.257 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.585 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

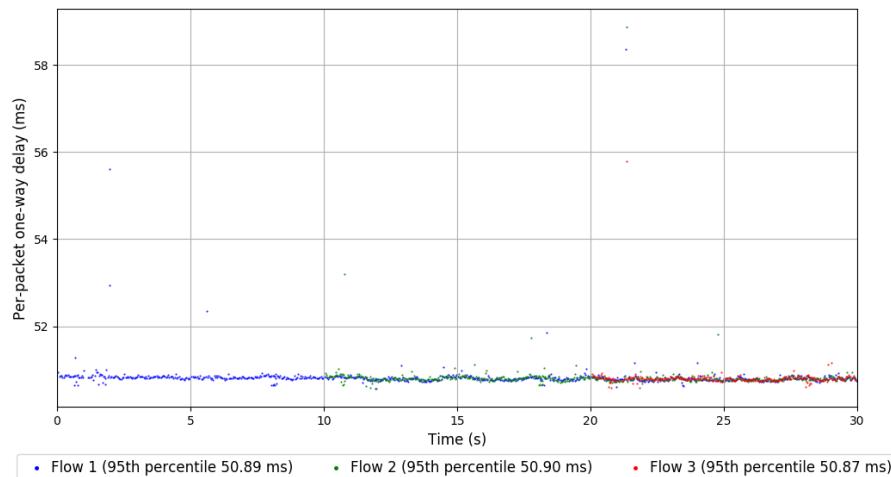
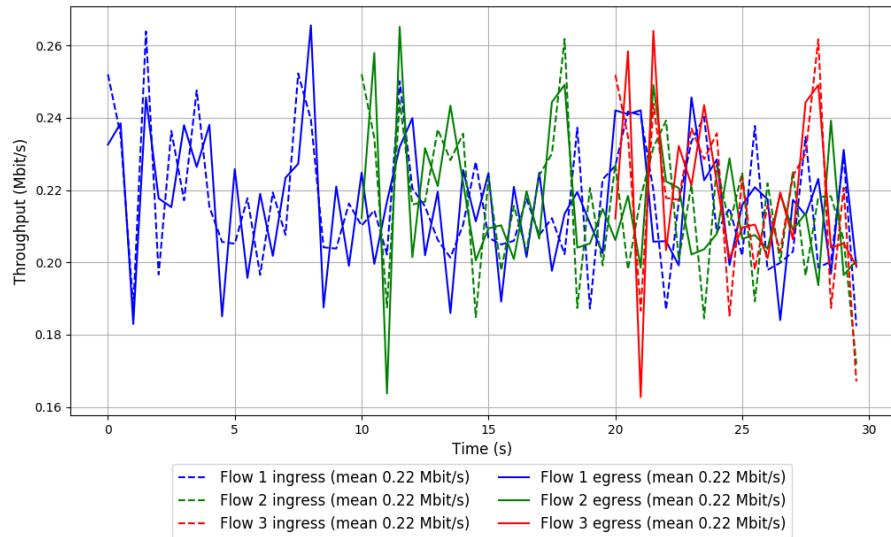


Run 4: Statistics of SCReAM

```
Start at: 2017-09-21 23:50:36
End at: 2017-09-21 23:51:06
Local clock offset: -3.703 ms
Remote clock offset: -1.973 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.899 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

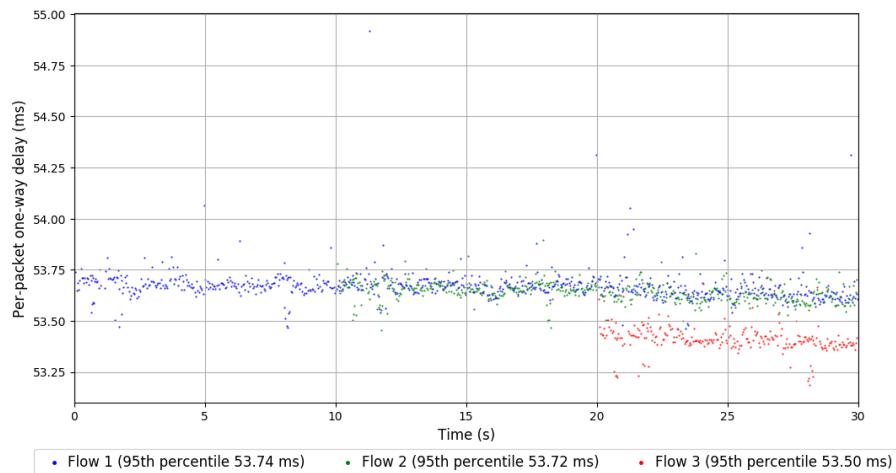
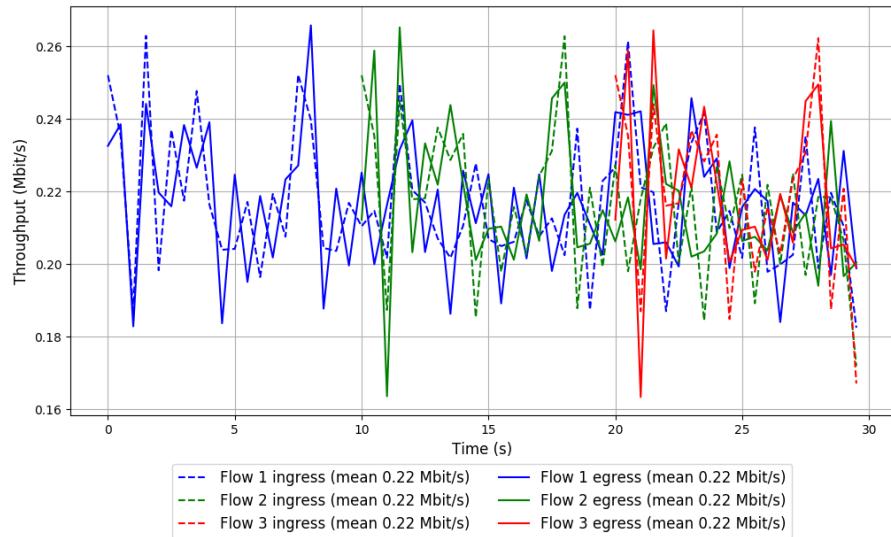


Run 5: Statistics of SCReAM

```
Start at: 2017-09-22 00:11:12
End at: 2017-09-22 00:11:42
Local clock offset: -3.656 ms
Remote clock offset: 0.794 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.502 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

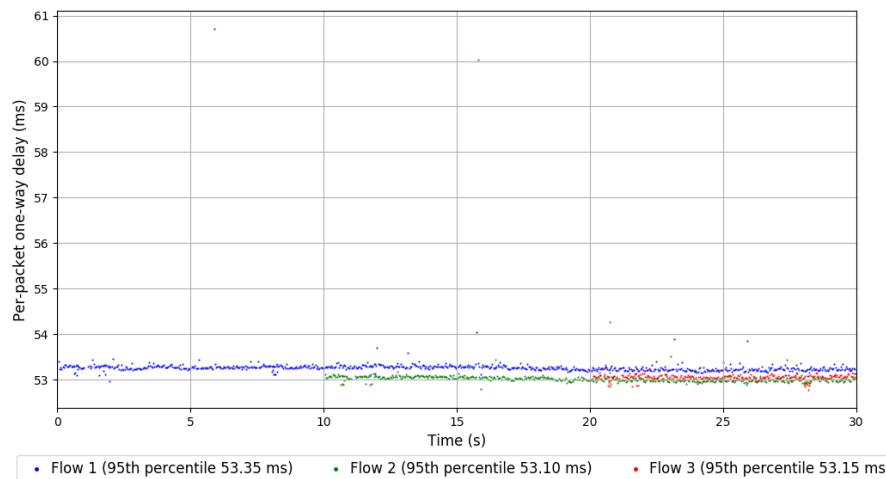
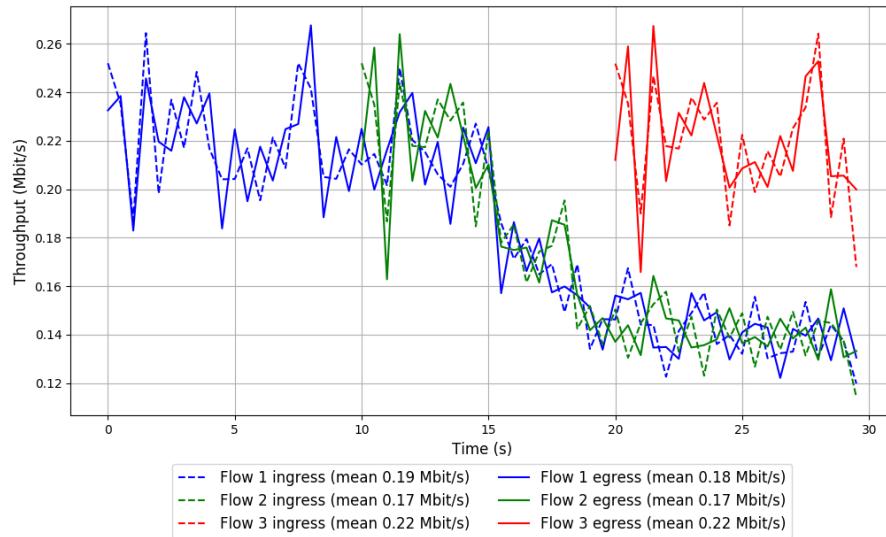


Run 6: Statistics of SCReAM

```
Start at: 2017-09-22 00:32:01
End at: 2017-09-22 00:32:31
Local clock offset: -3.154 ms
Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 53.322 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 53.348 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 53.097 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.148 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

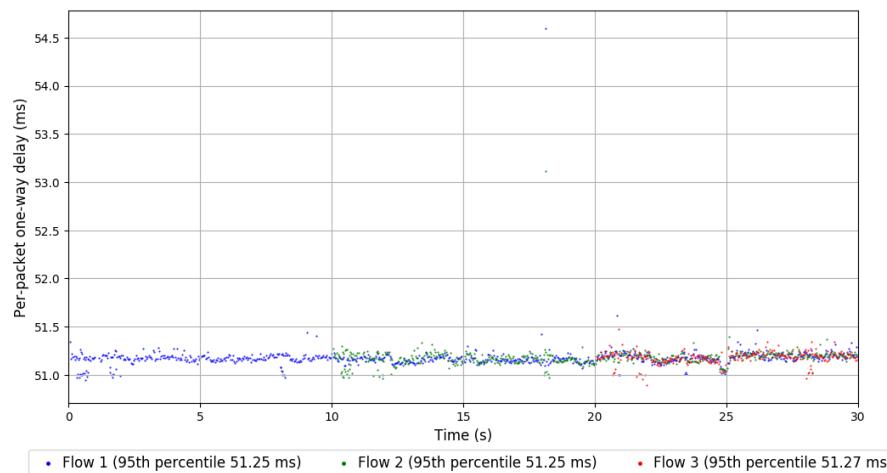
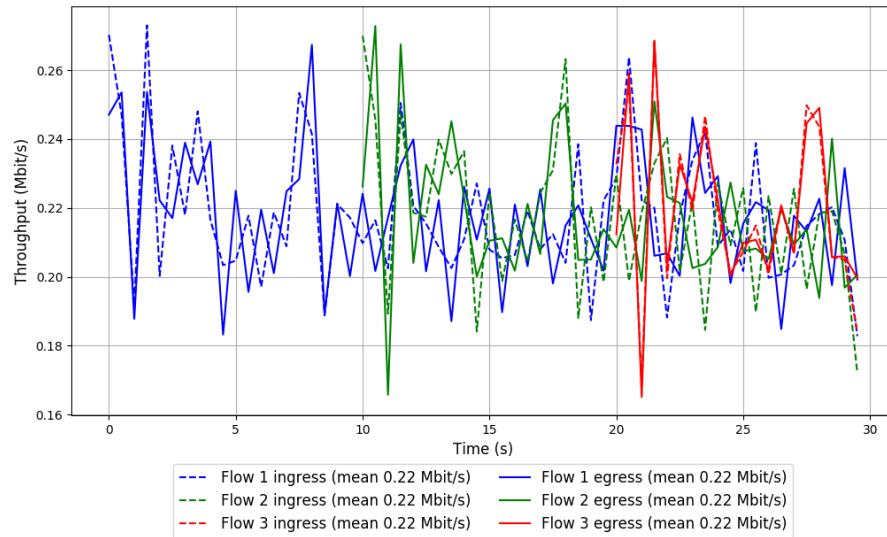


Run 7: Statistics of SCReAM

```
Start at: 2017-09-22 00:53:19
End at: 2017-09-22 00:53:49
Local clock offset: -1.81 ms
Remote clock offset: -2.23 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 51.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.267 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

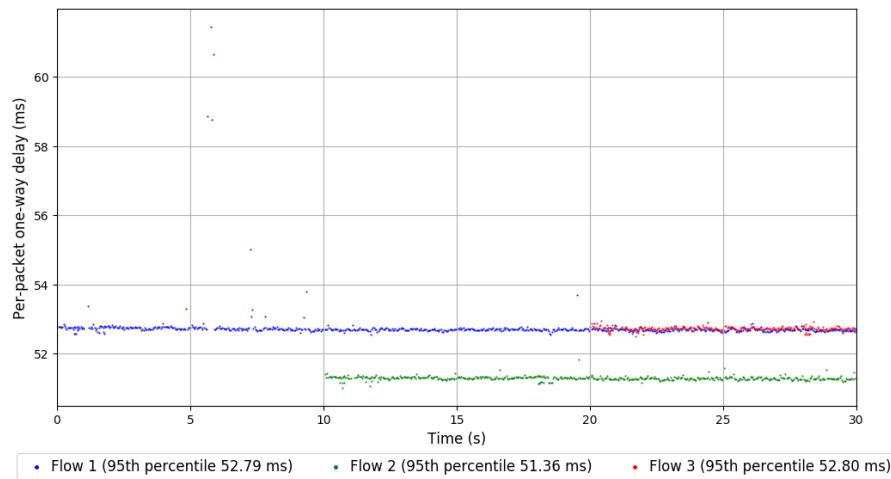
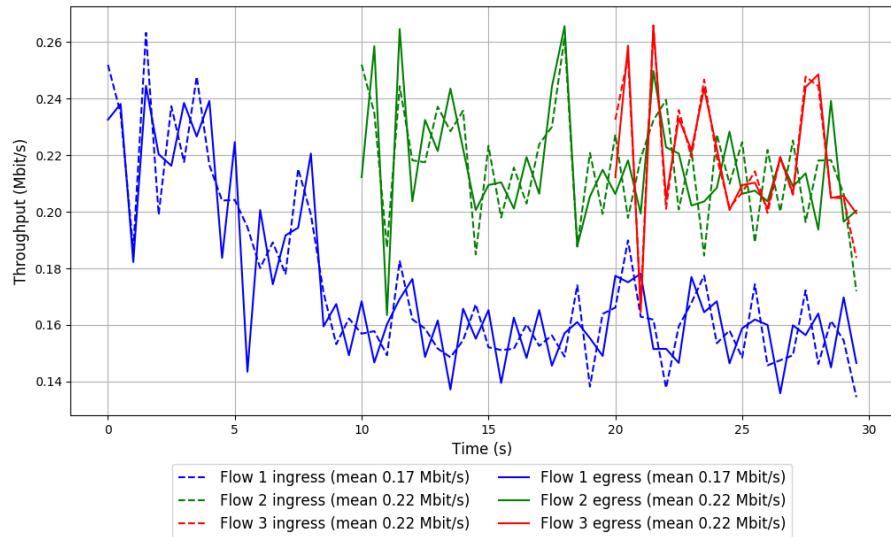


Run 8: Statistics of SCReAM

```
Start at: 2017-09-22 01:14:02
End at: 2017-09-22 01:14:32
Local clock offset: -0.605 ms
Remote clock offset: -0.479 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 52.782 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 52.787 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.798 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

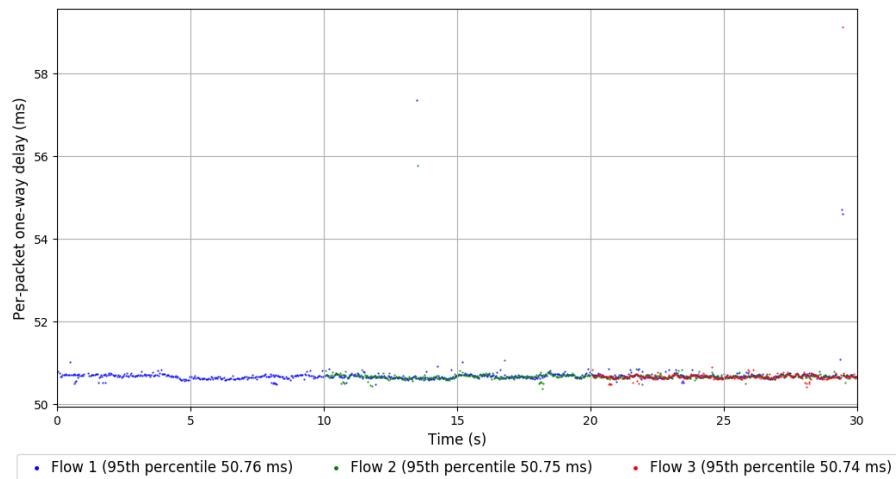
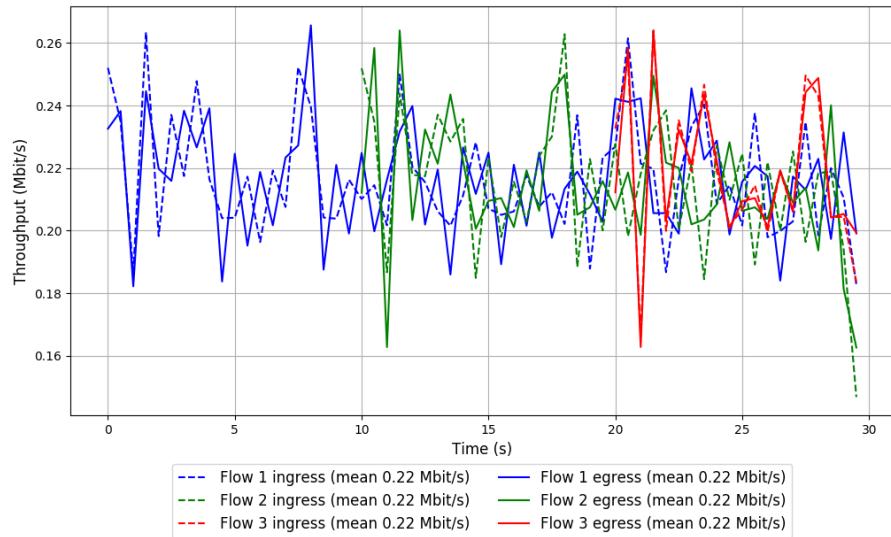


Run 9: Statistics of SCReAM

```
Start at: 2017-09-22 01:34:20
End at: 2017-09-22 01:34:50
Local clock offset: -0.743 ms
Remote clock offset: -2.616 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.759 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.747 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.742 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

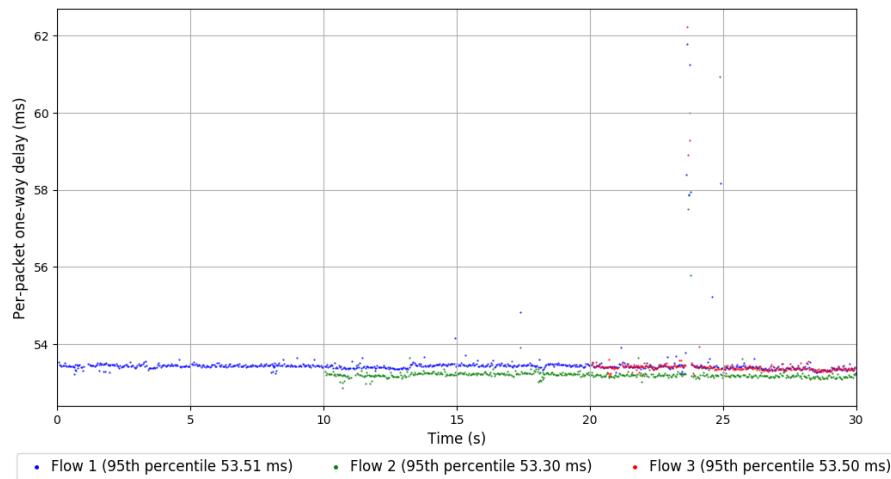
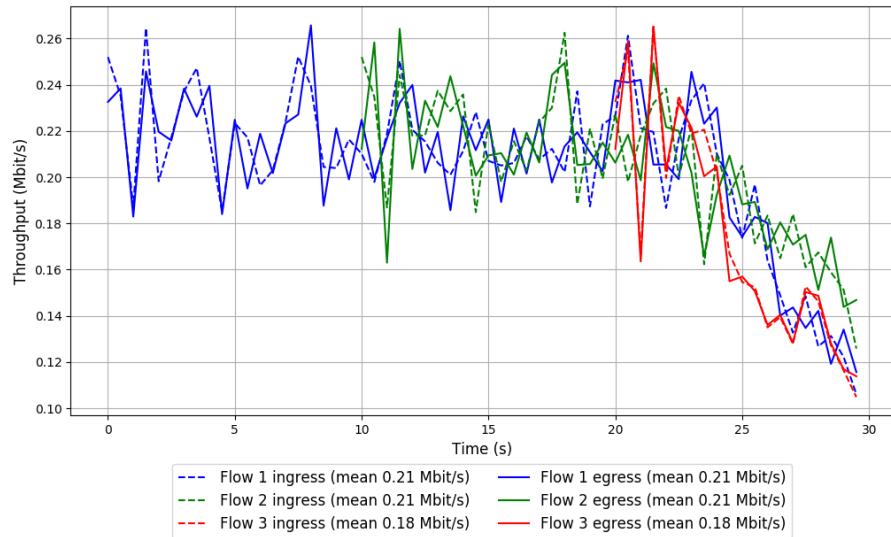


Run 10: Statistics of SCReAM

```
Start at: 2017-09-22 01:54:38
End at: 2017-09-22 01:55:08
Local clock offset: 0.459 ms
Remote clock offset: 0.173 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 53.502 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.514 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.302 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 53.500 ms
Loss rate: 0.93%
```

Run 10: Report of SCReAM — Data Link

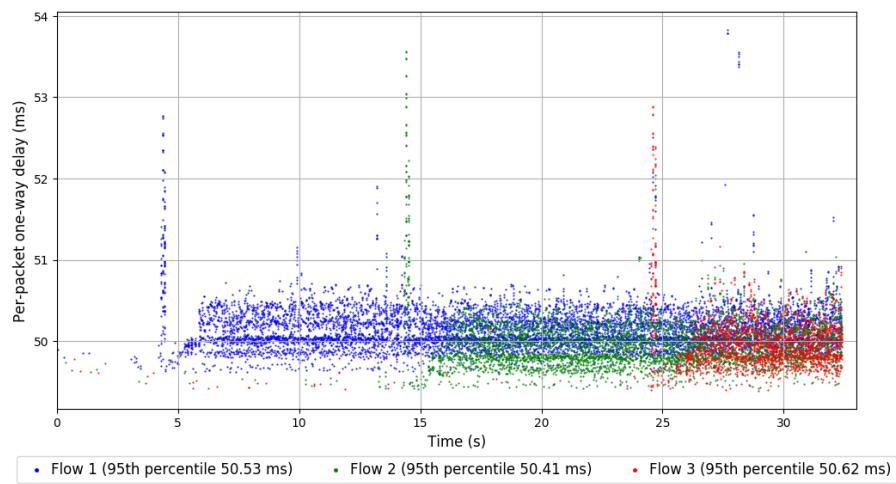
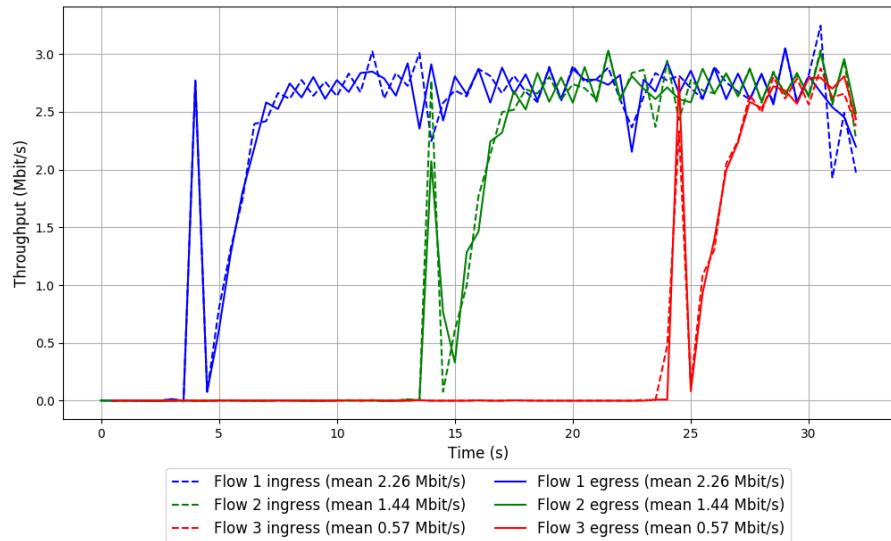


```
Run 1: Statistics of WebRTC media

Start at: 2017-09-21 22:41:58
End at: 2017-09-21 22:42:28
Local clock offset: -1.21 ms
Remote clock offset: -1.901 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 50.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

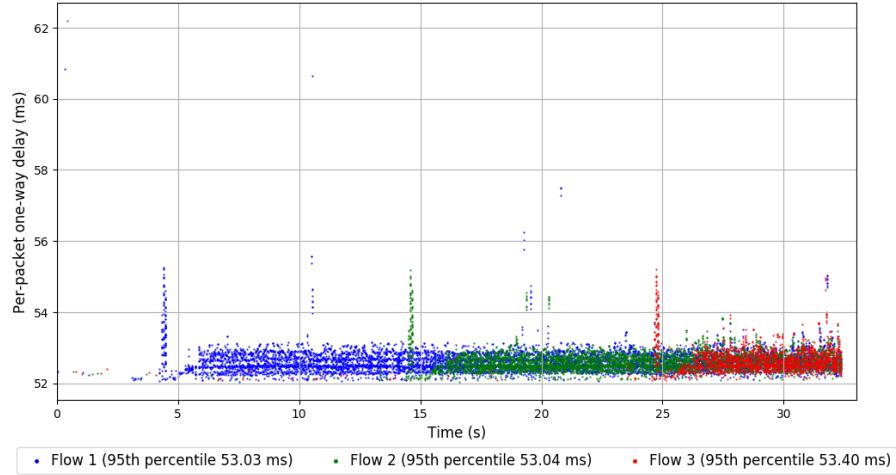
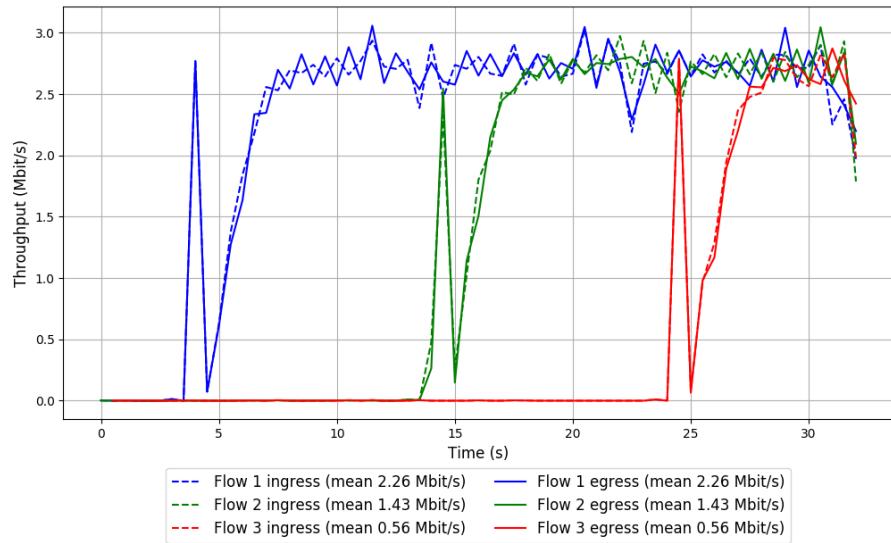


Run 2: Statistics of WebRTC media

```
Start at: 2017-09-21 23:01:39
End at: 2017-09-21 23:02:09
Local clock offset: -2.207 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 53.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 53.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 53.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 53.404 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

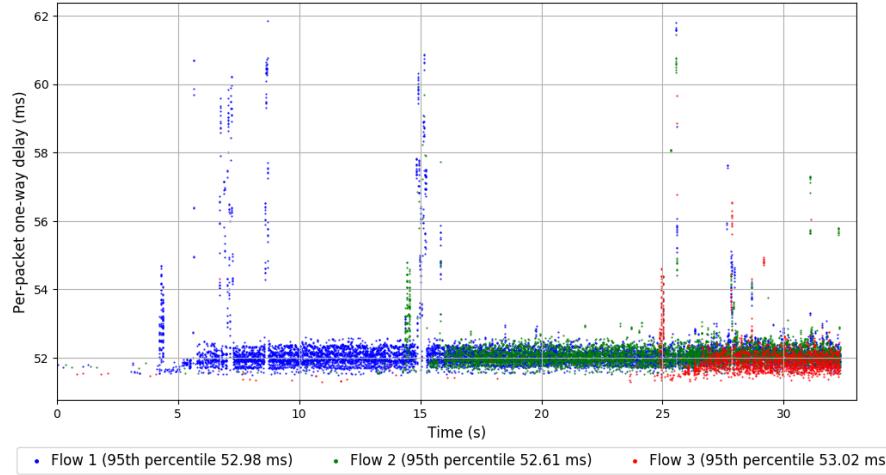
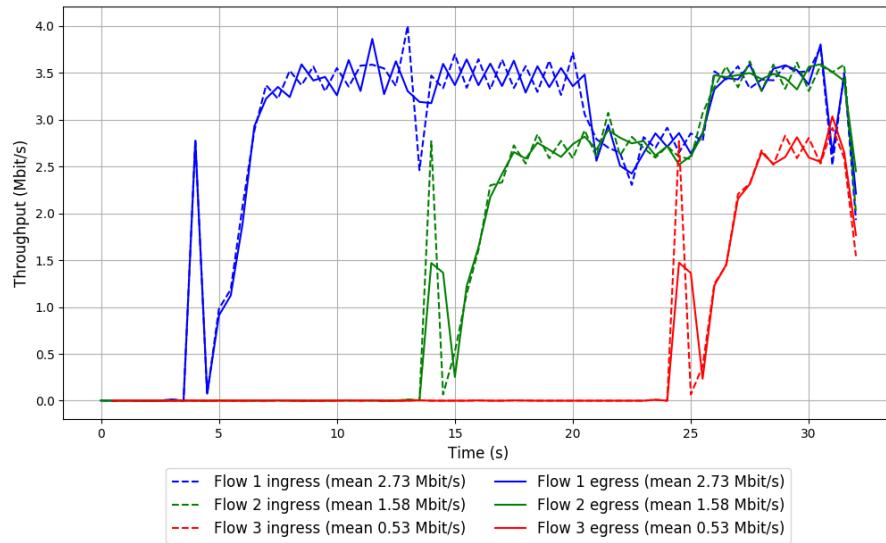


```
Run 3: Statistics of WebRTC media

Start at: 2017-09-21 23:21:15
End at: 2017-09-21 23:21:45
Local clock offset: -2.898 ms
Remote clock offset: -0.782 ms

# Below is generated by plot.py at 2017-09-22 02:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 52.763 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 52.983 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 52.607 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.016 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

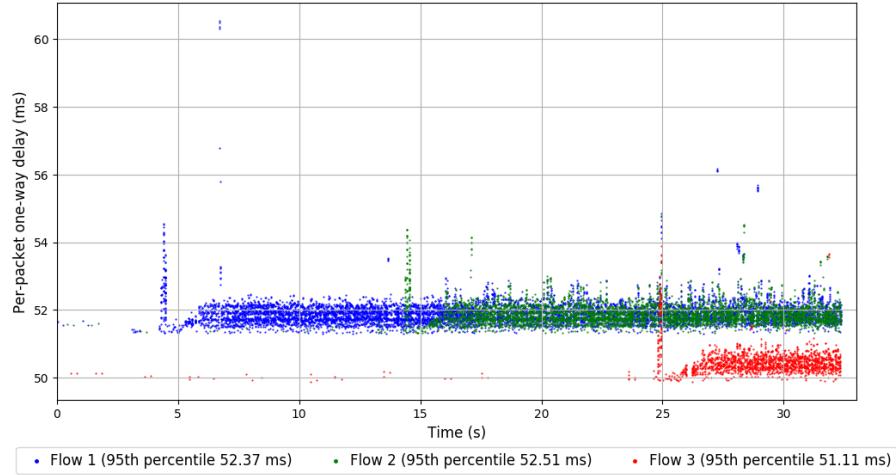
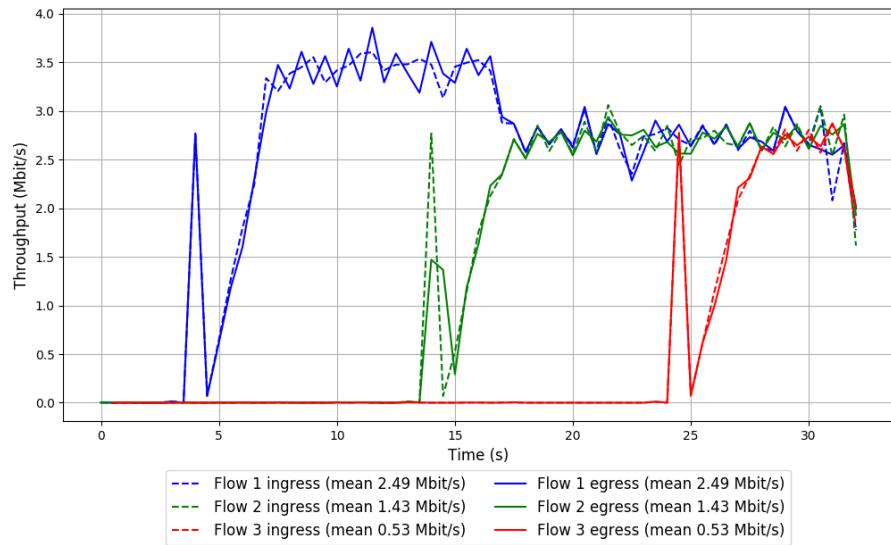


Run 4: Statistics of WebRTC media

```
Start at: 2017-09-21 23:40:40
End at: 2017-09-21 23:41:10
Local clock offset: -3.479 ms
Remote clock offset: -0.977 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 52.382 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 52.372 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 52.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

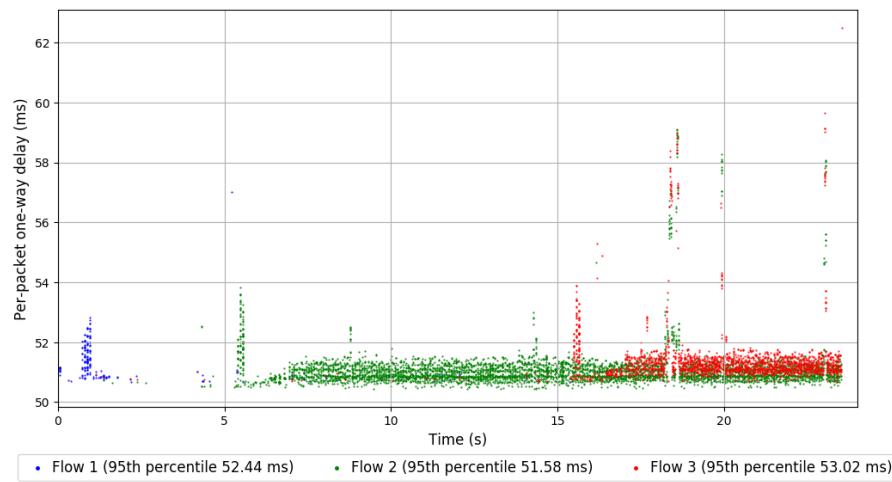
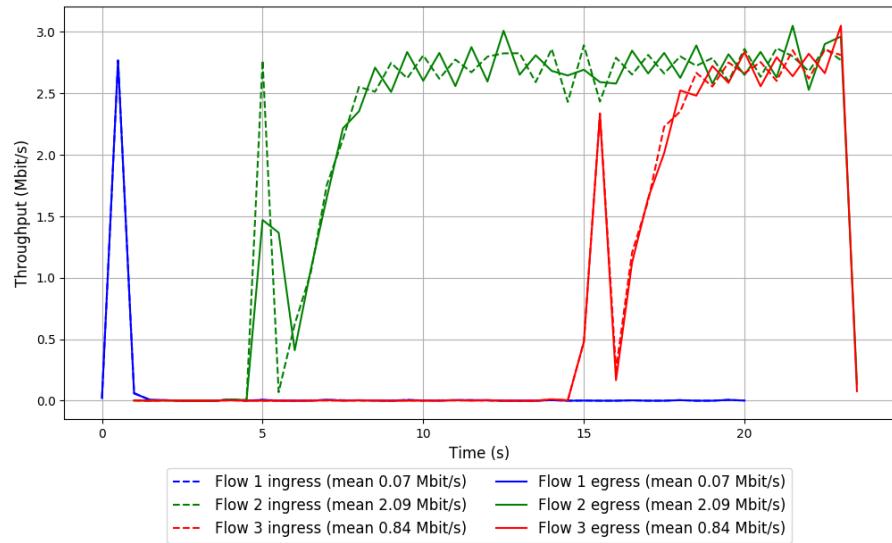
Start at: 2017-09-22 00:00:39

End at: 2017-09-22 00:01:09

Local clock offset: -3.662 ms

Remote clock offset: -1.869 ms

Run 5: Report of WebRTC media — Data Link

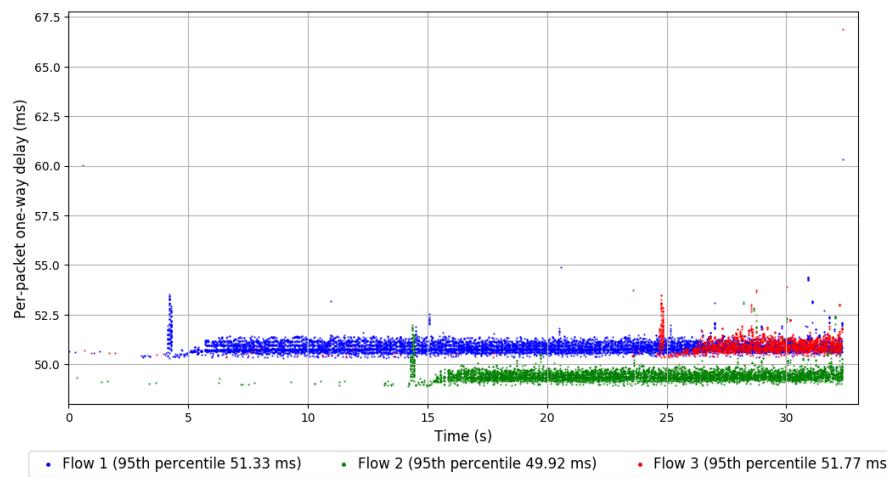
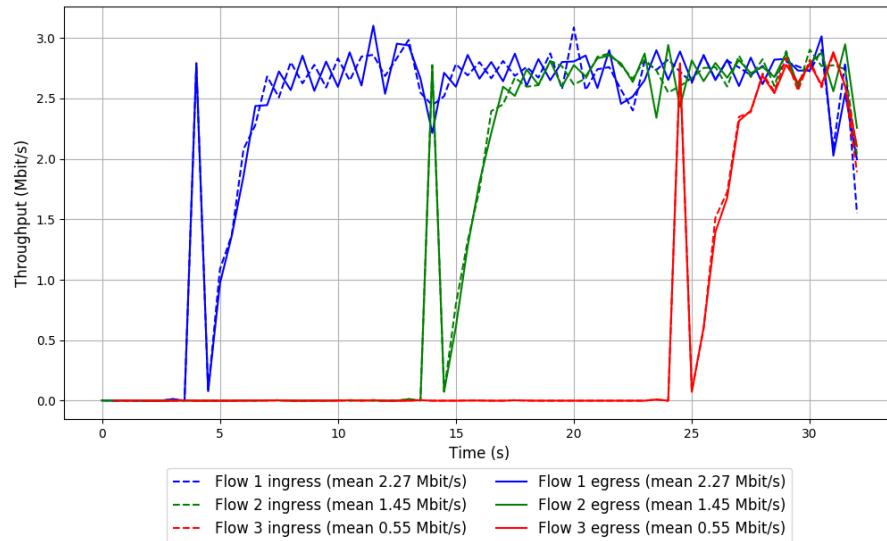


Run 6: Statistics of WebRTC media

```
Start at: 2017-09-22 00:21:11
End at: 2017-09-22 00:21:41
Local clock offset: -3.437 ms
Remote clock offset: -1.851 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 51.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 51.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 49.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

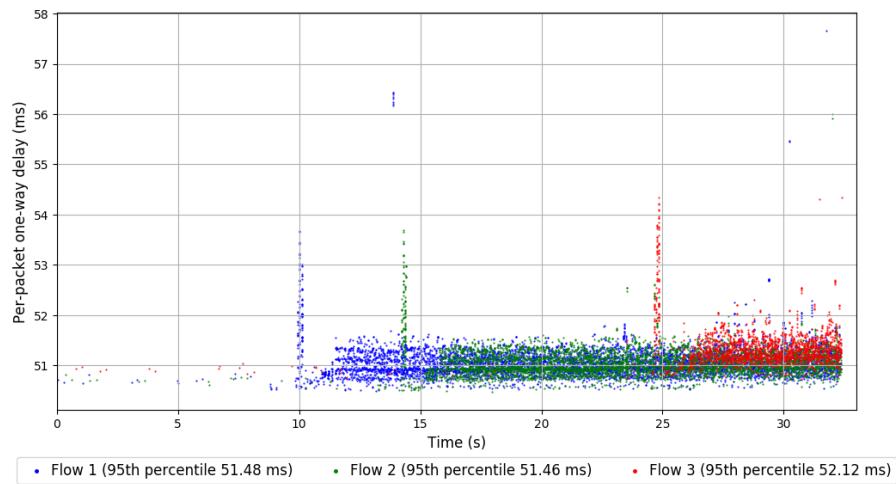
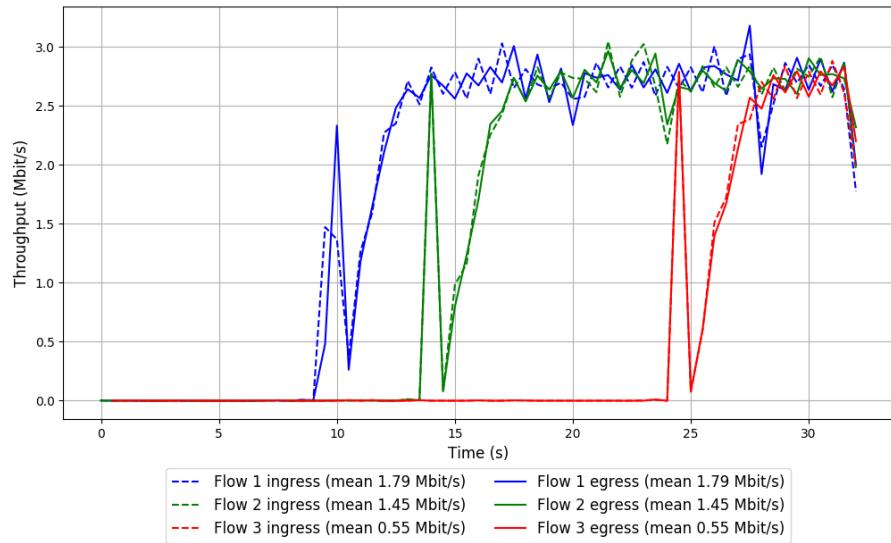


Run 7: Statistics of WebRTC media

```
Start at: 2017-09-22 00:42:19
End at: 2017-09-22 00:42:49
Local clock offset: -2.493 ms
Remote clock offset: -2.137 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 51.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 51.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 51.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 52.125 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

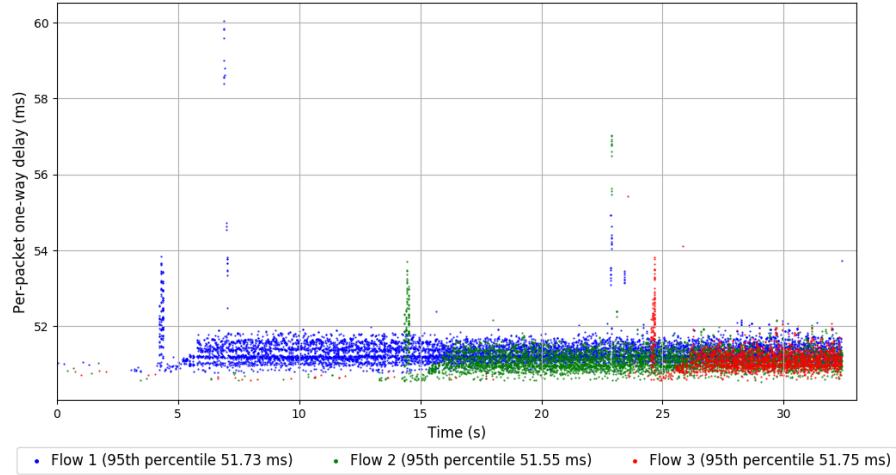
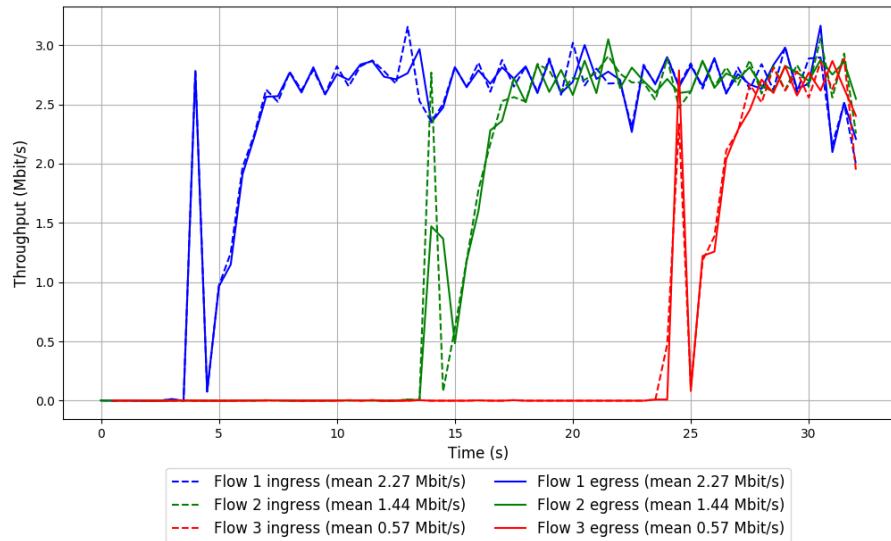


Run 8: Statistics of WebRTC media

```
Start at: 2017-09-22 01:03:37
End at: 2017-09-22 01:04:07
Local clock offset: -1.012 ms
Remote clock offset: -2.348 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 51.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 51.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 51.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 51.748 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

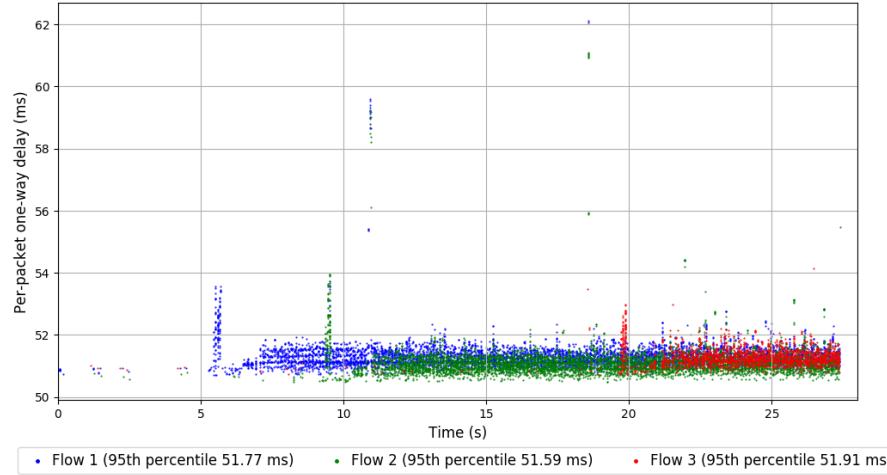
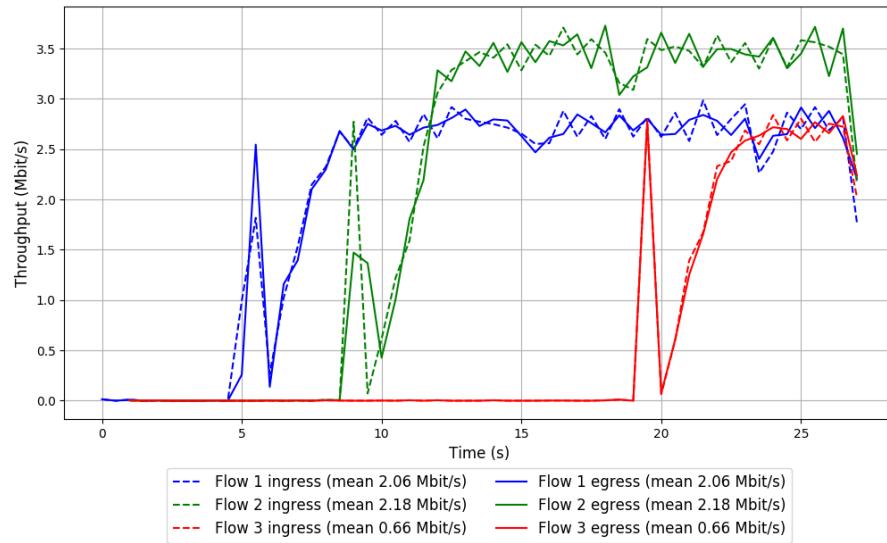


Run 9: Statistics of WebRTC media

```
Start at: 2017-09-22 01:23:56
End at: 2017-09-22 01:24:26
Local clock offset: -0.695 ms
Remote clock offset: -2.526 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 51.756 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 51.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 51.589 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 51.914 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

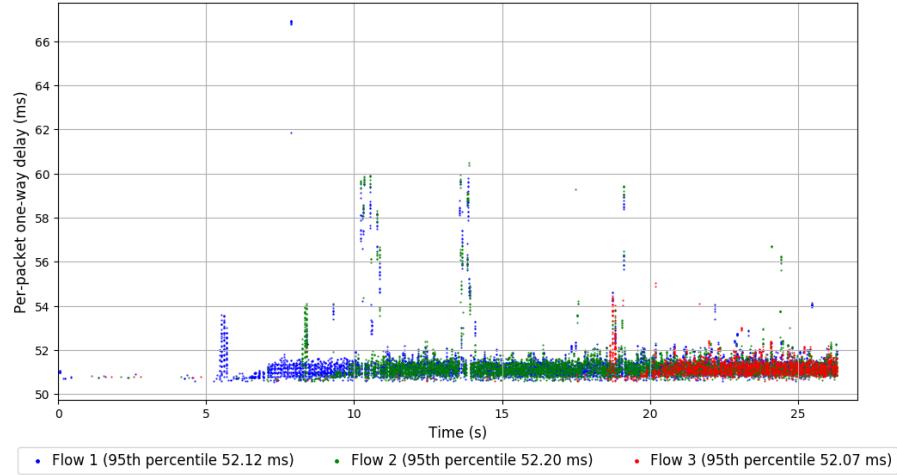
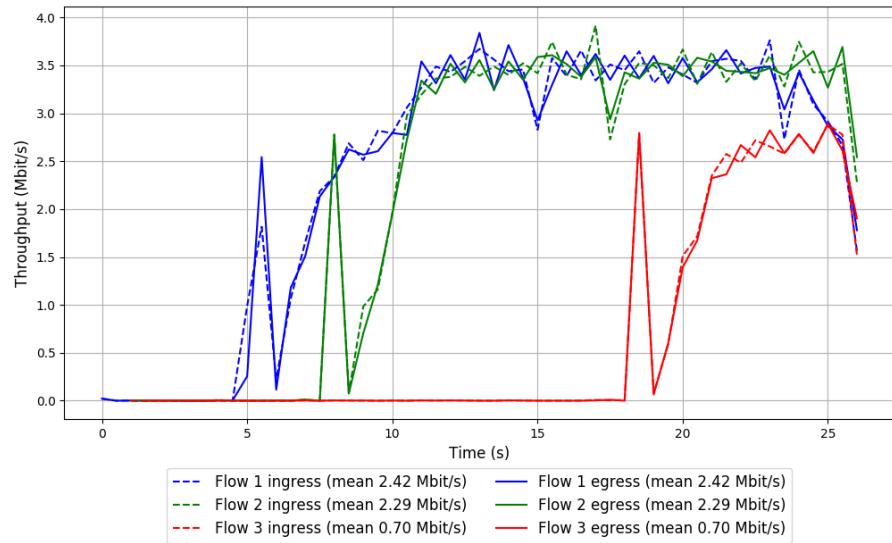


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-09-22 01:44:28
End at: 2017-09-22 01:44:58
Local clock offset: -0.043 ms
Remote clock offset: -2.512 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 52.115 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 52.117 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 52.196 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 52.067 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

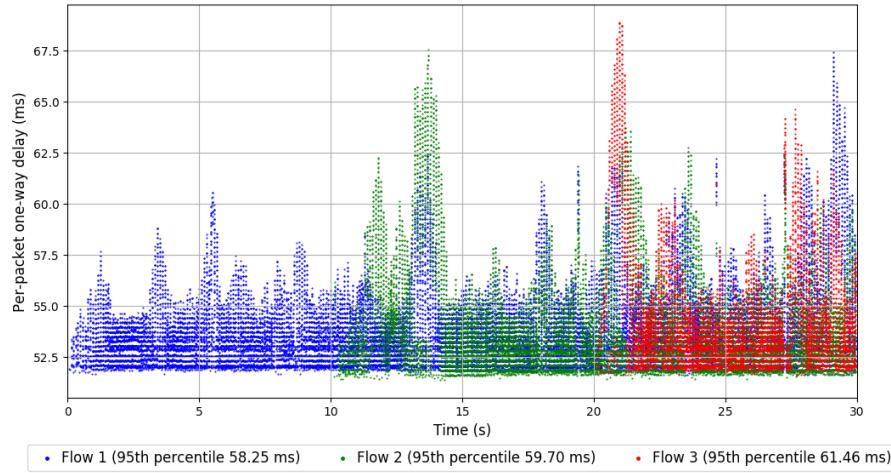
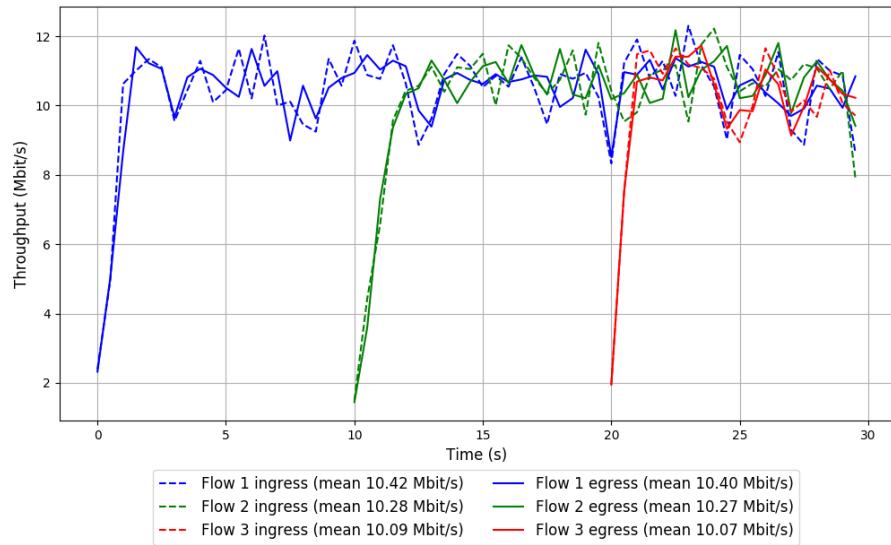


Run 1: Statistics of Sprout

```
Start at: 2017-09-21 22:56:10
End at: 2017-09-21 22:56:40
Local clock offset: -1.903 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 59.264 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 58.251 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 59.696 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 61.463 ms
Loss rate: 0.22%
```

Run 1: Report of Sprout — Data Link

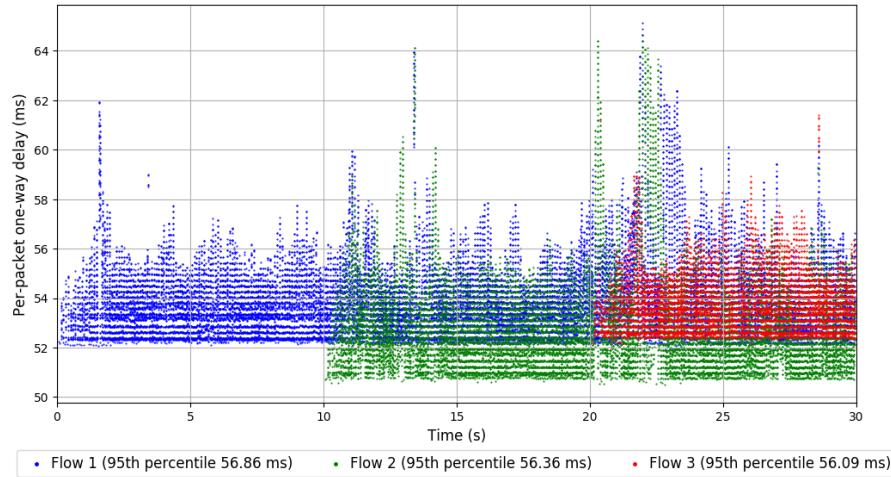
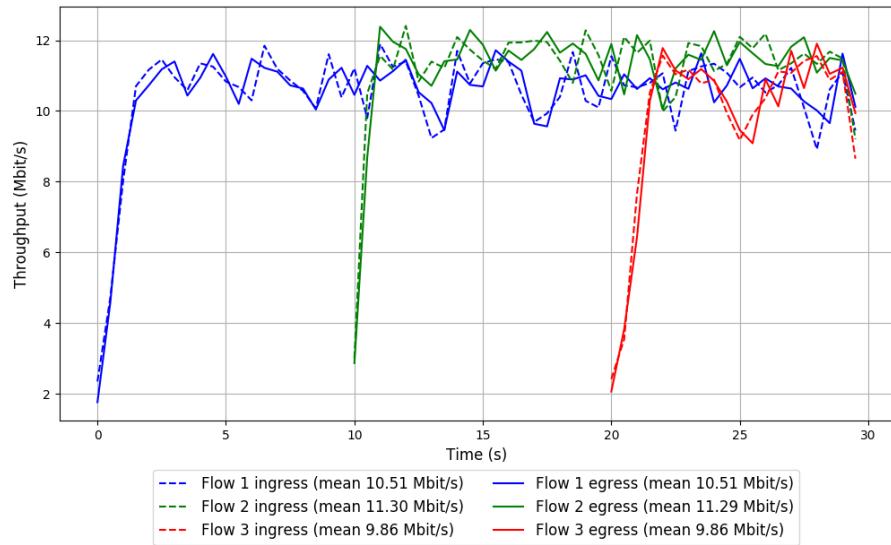


Run 2: Statistics of Sprout

```
Start at: 2017-09-21 23:15:44
End at: 2017-09-21 23:16:14
Local clock offset: -2.742 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 56.601 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 56.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 56.358 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 56.088 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

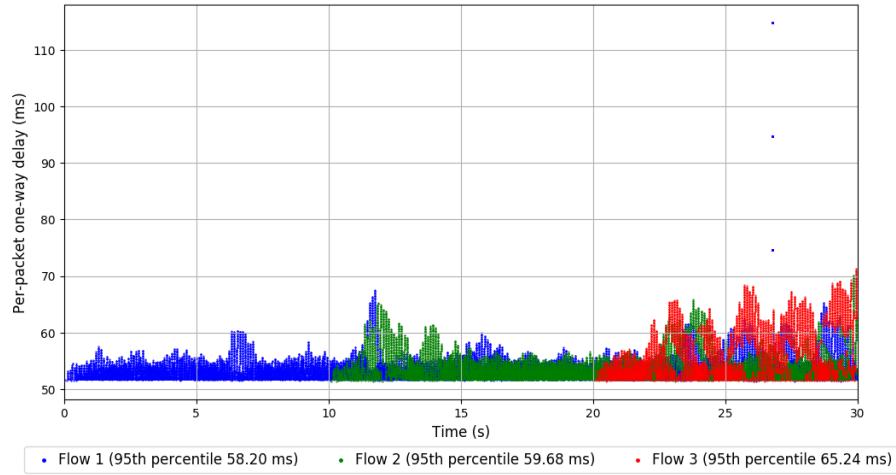
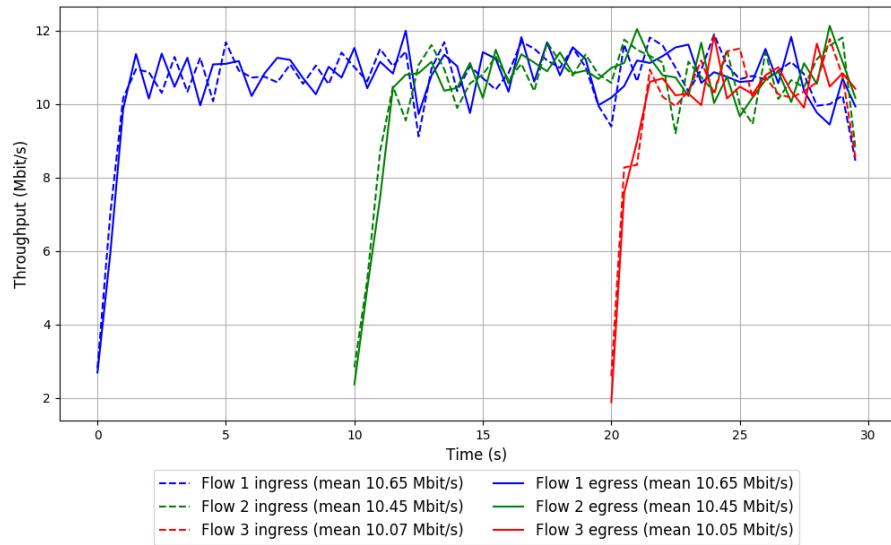


Run 3: Statistics of Sprout

```
Start at: 2017-09-21 23:35:09
End at: 2017-09-21 23:35:39
Local clock offset: -3.346 ms
Remote clock offset: -0.784 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 61.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 58.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 59.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 65.237 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

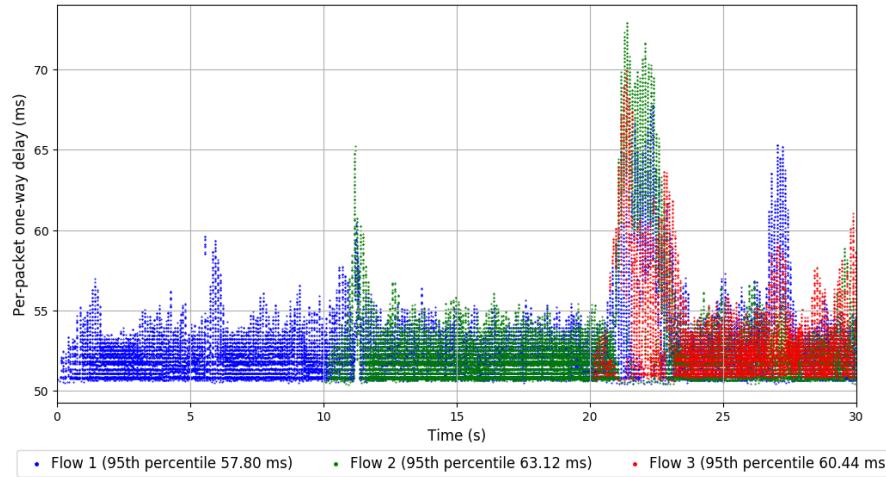
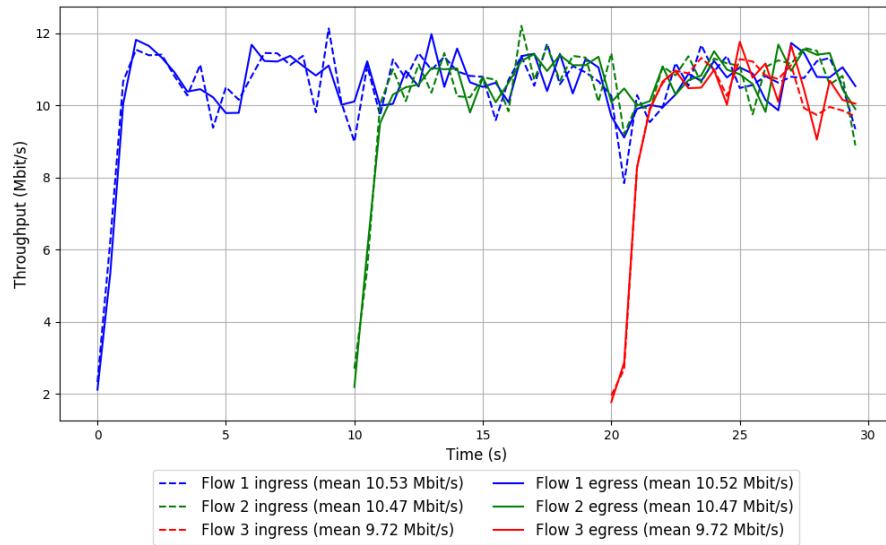


Run 4: Statistics of Sprout

```
Start at: 2017-09-21 23:54:50
End at: 2017-09-21 23:55:21
Local clock offset: -3.639 ms
Remote clock offset: -1.925 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 59.845 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 57.795 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 63.117 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 60.441 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

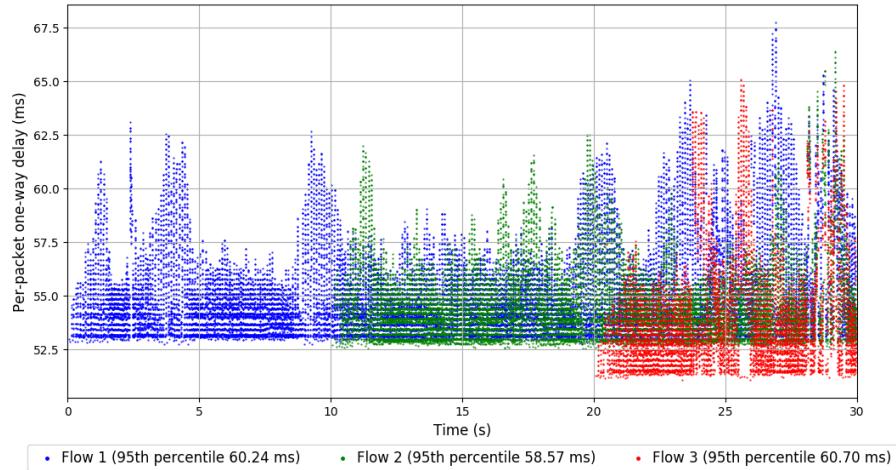
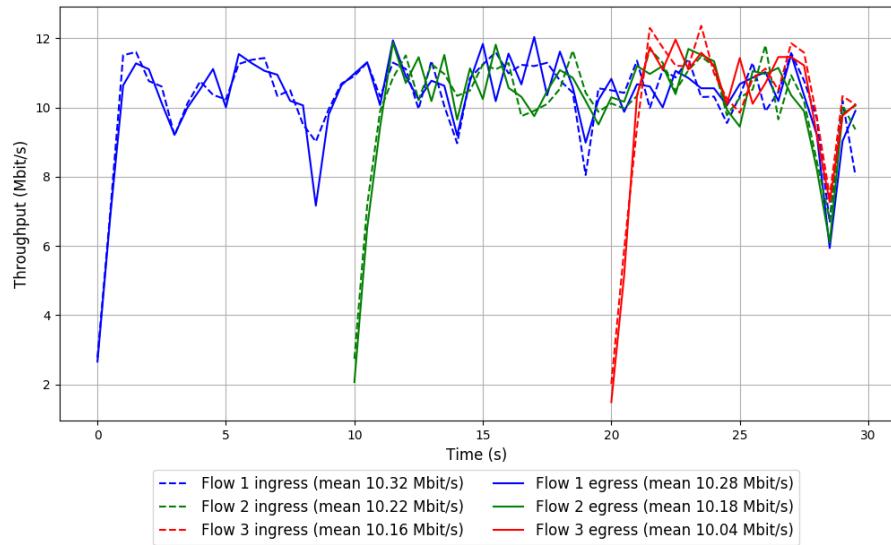


Run 5: Statistics of Sprout

```
Start at: 2017-09-22 00:15:36
End at: 2017-09-22 00:16:06
Local clock offset: -3.516 ms
Remote clock offset: 0.318 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 59.911 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 60.243 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 58.570 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 60.704 ms
Loss rate: 1.10%
```

Run 5: Report of Sprout — Data Link

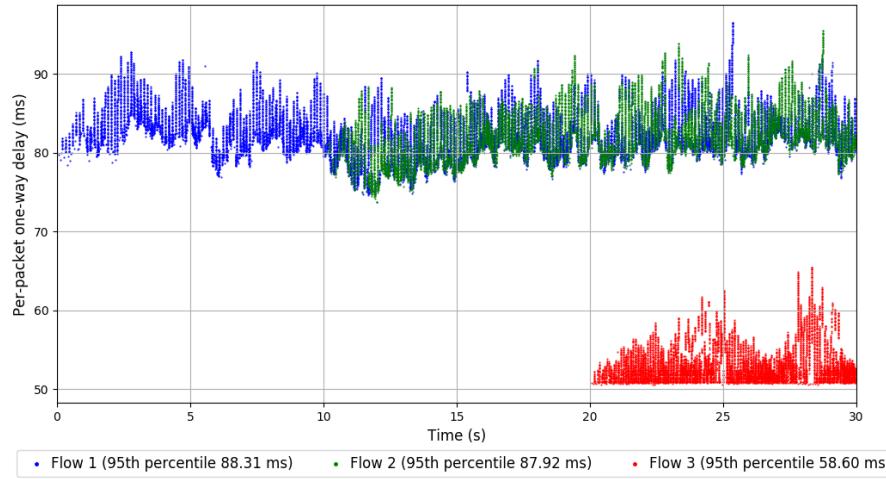
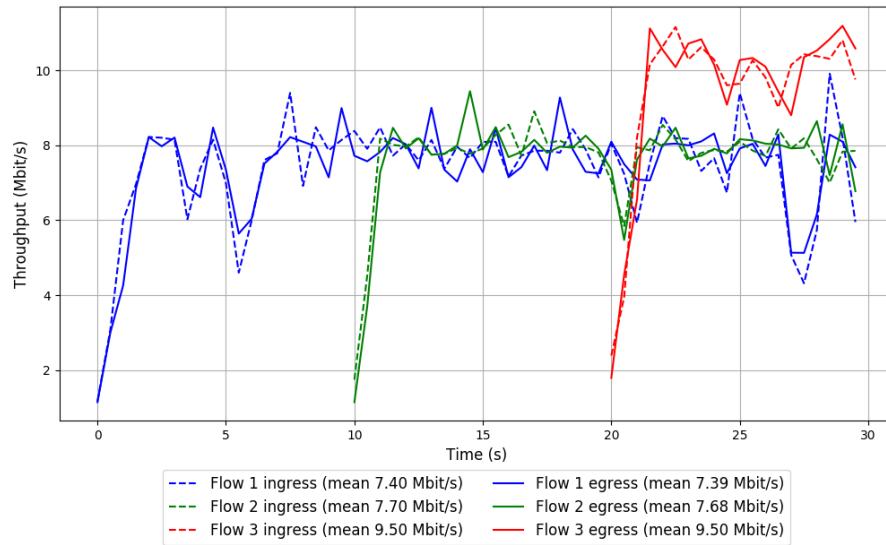


Run 6: Statistics of Sprout

```
Start at: 2017-09-22 00:36:32
End at: 2017-09-22 00:37:02
Local clock offset: -2.789 ms
Remote clock offset: -1.946 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 87.738 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 88.313 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 87.923 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 0.01%
```

Run 6: Report of Sprout — Data Link

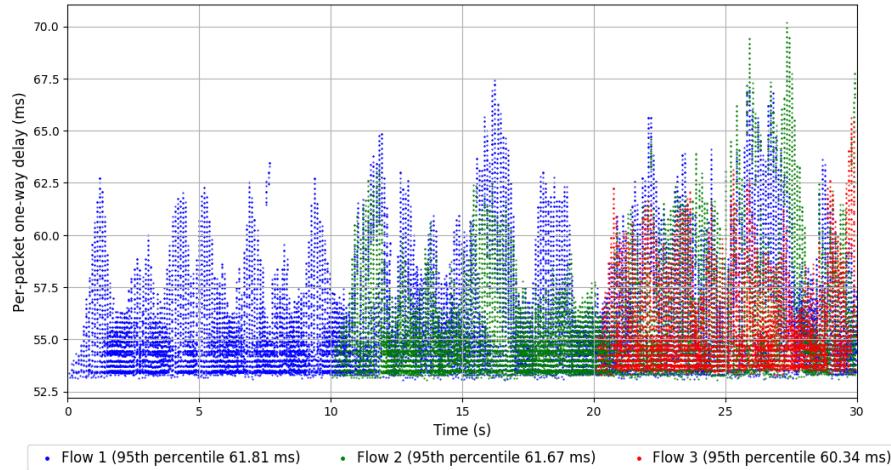
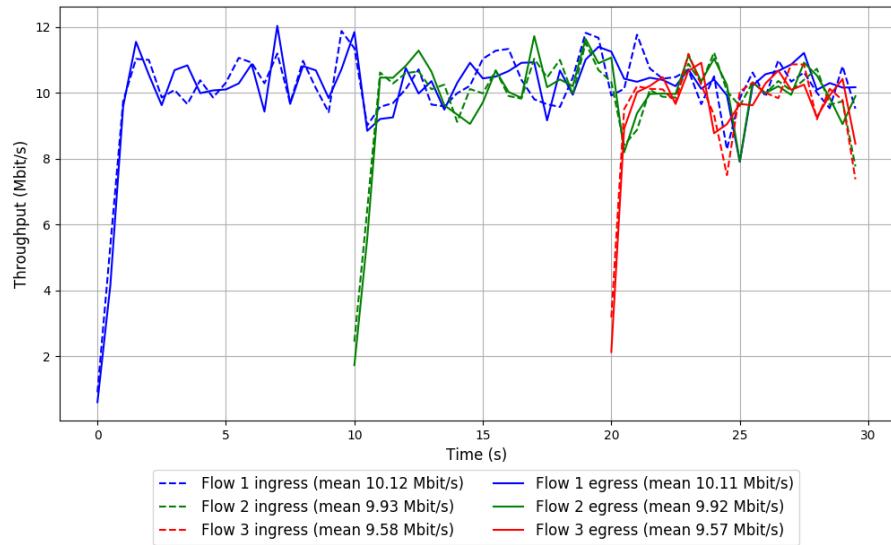


Run 7: Statistics of Sprout

```
Start at: 2017-09-22 00:57:43
End at: 2017-09-22 00:58:13
Local clock offset: -1.281 ms
Remote clock offset: 0.306 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.87 Mbit/s
95th percentile per-packet one-way delay: 61.539 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 61.812 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 61.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 60.337 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

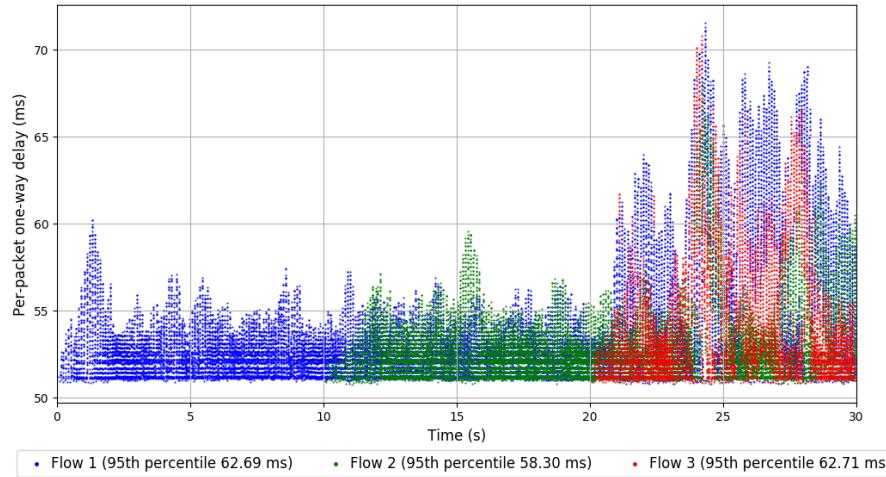
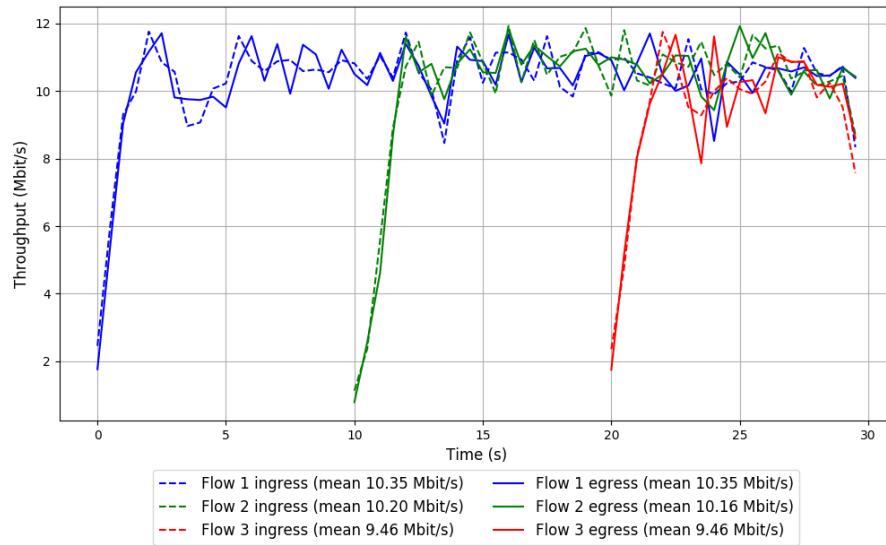


Run 8: Statistics of Sprout

```
Start at: 2017-09-22 01:18:09
End at: 2017-09-22 01:18:39
Local clock offset: -0.678 ms
Remote clock offset: -2.502 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 61.599 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 62.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 58.305 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 62.712 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

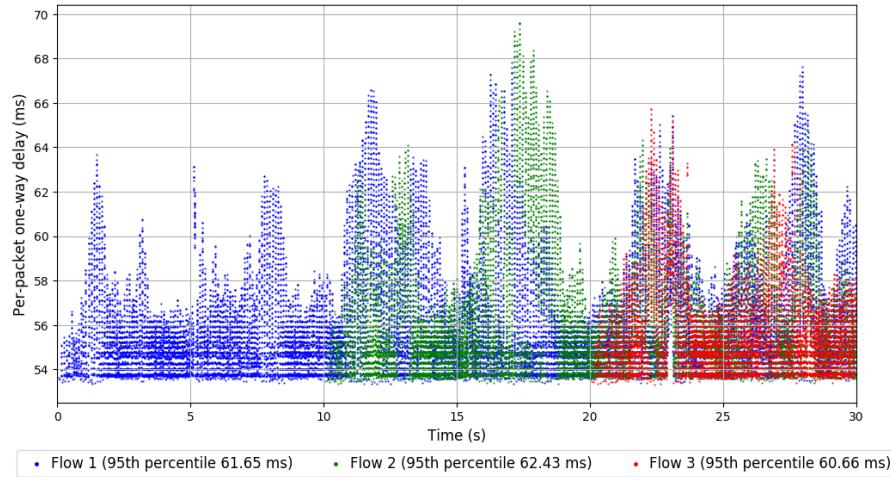
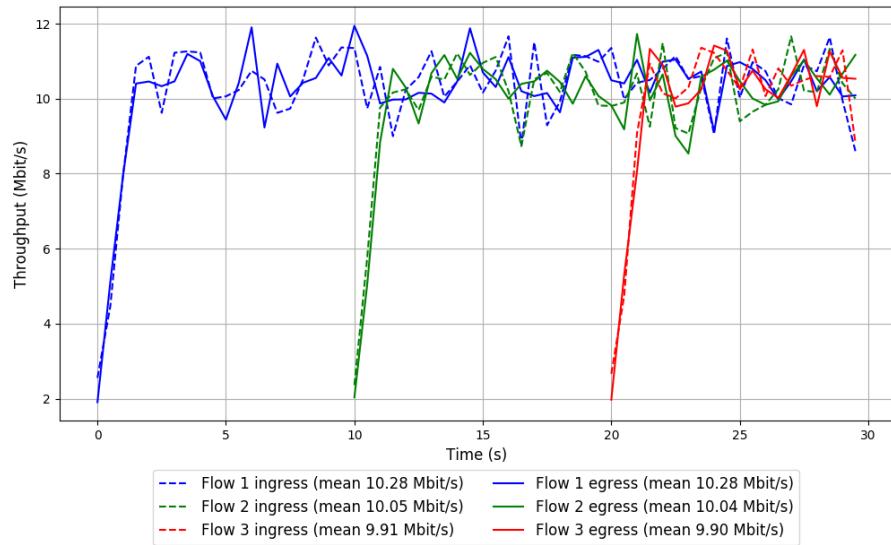


Run 9: Statistics of Sprout

```
Start at: 2017-09-22 01:38:37
End at: 2017-09-22 01:39:07
Local clock offset: -0.539 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 61.793 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 61.645 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 62.427 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 60.664 ms
Loss rate: 0.14%
```

Run 9: Report of Sprout — Data Link

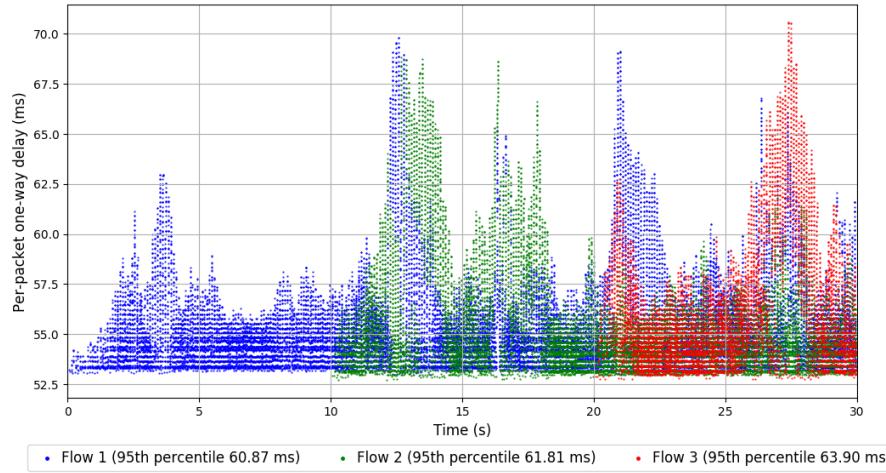
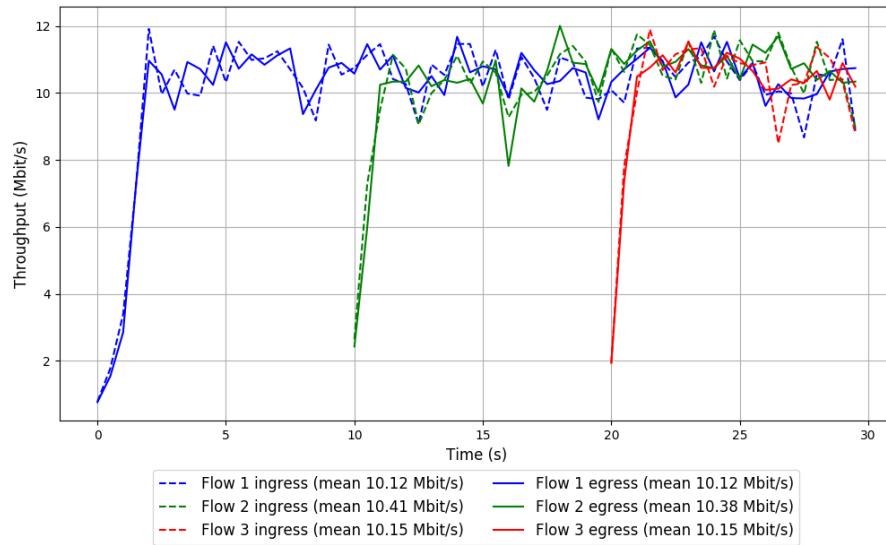


Run 10: Statistics of Sprout

```
Start at: 2017-09-22 01:58:43
End at: 2017-09-22 01:59:13
Local clock offset: 0.5 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2017-09-22 02:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 61.823 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 60.867 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 61.812 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 63.898 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

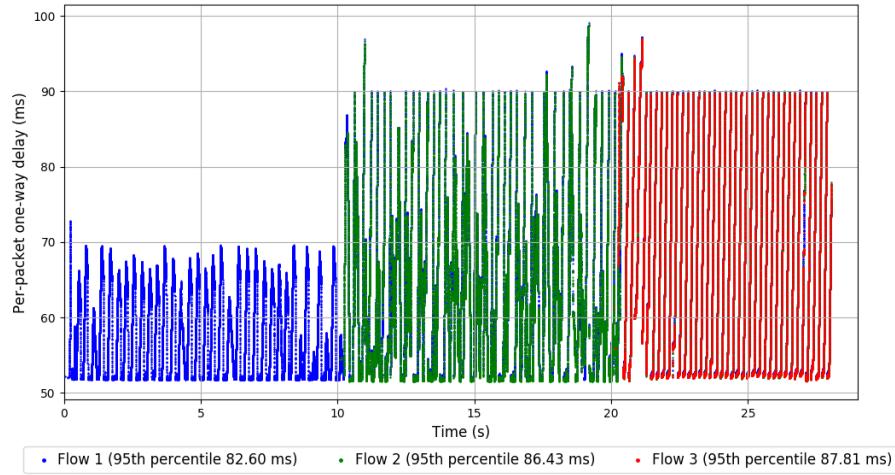
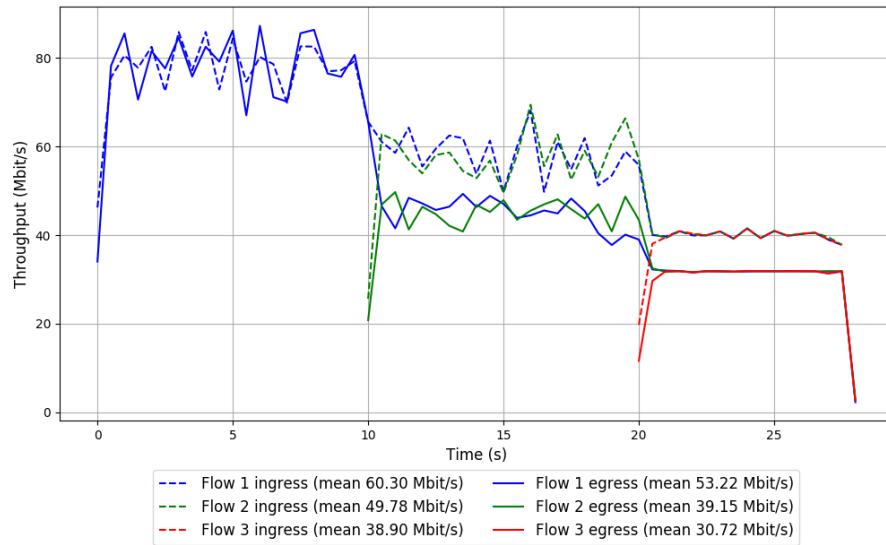


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-21 22:44:41
End at: 2017-09-21 22:45:11
Local clock offset: -1.27 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2017-09-22 02:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 85.005 ms
Loss rate: 15.62%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 82.600 ms
Loss rate: 11.67%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 86.434 ms
Loss rate: 21.25%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 87.815 ms
Loss rate: 20.88%
```

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

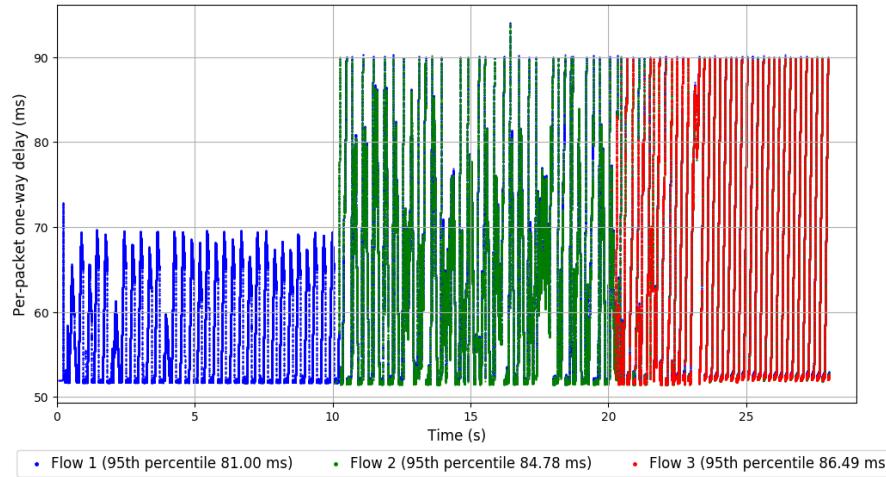
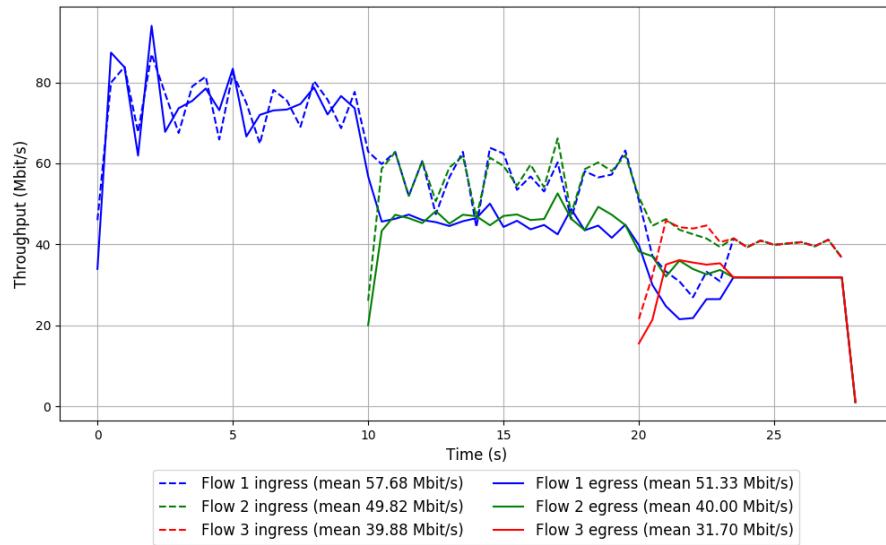


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-09-21 23:04:22
End at: 2017-09-21 23:04:52
Local clock offset: -2.206 ms
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2017-09-22 02:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 83.746 ms
Loss rate: 14.85%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 81.000 ms
Loss rate: 11.01%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 84.781 ms
Loss rate: 19.71%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 86.492 ms
Loss rate: 20.73%
```

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

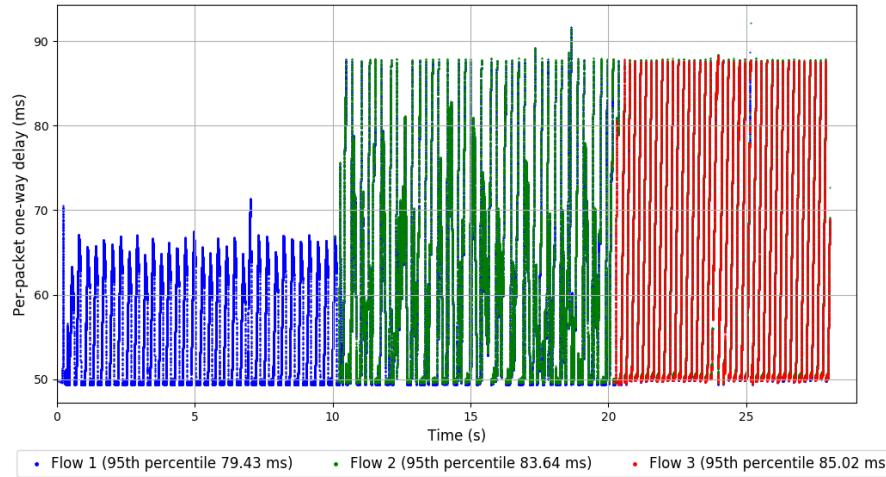
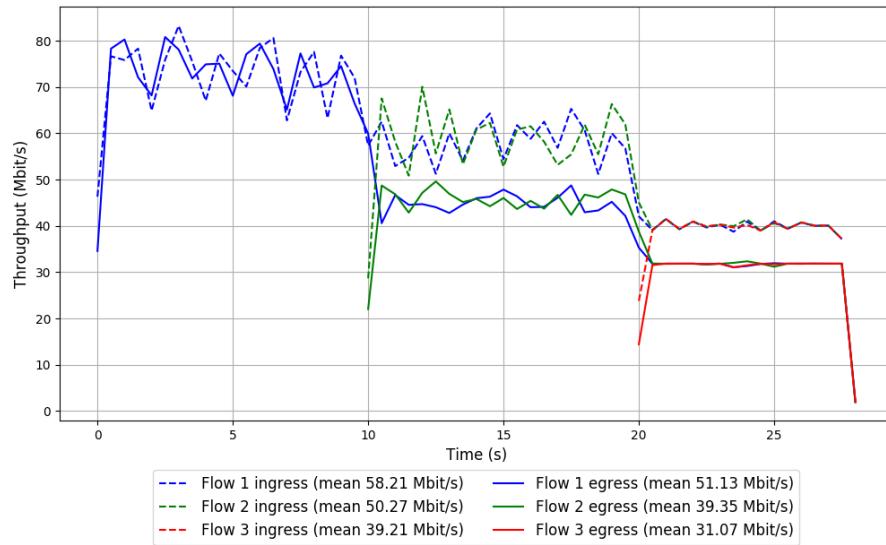


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-21 23:23:58
End at: 2017-09-21 23:24:28
Local clock offset: -3.041 ms
Remote clock offset: -2.963 ms

# Below is generated by plot.py at 2017-09-22 02:36:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 82.010 ms
Loss rate: 16.10%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 79.430 ms
Loss rate: 12.10%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 83.639 ms
Loss rate: 21.70%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 85.018 ms
Loss rate: 20.83%
```

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

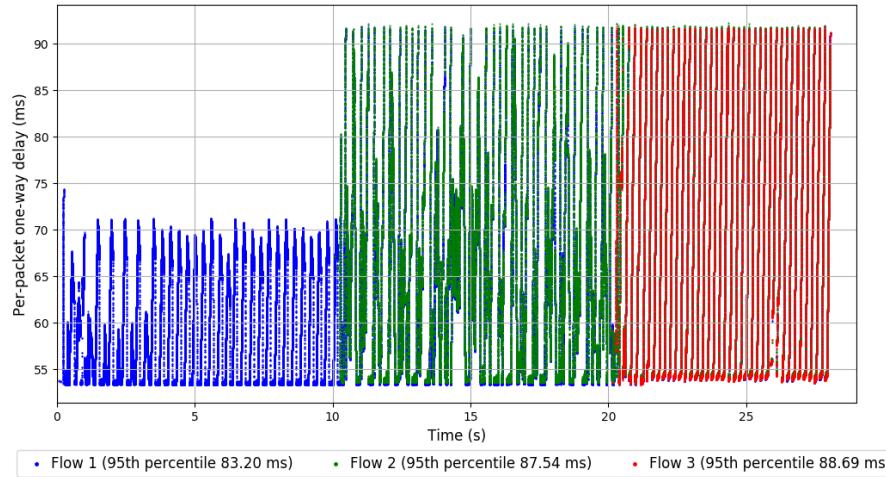
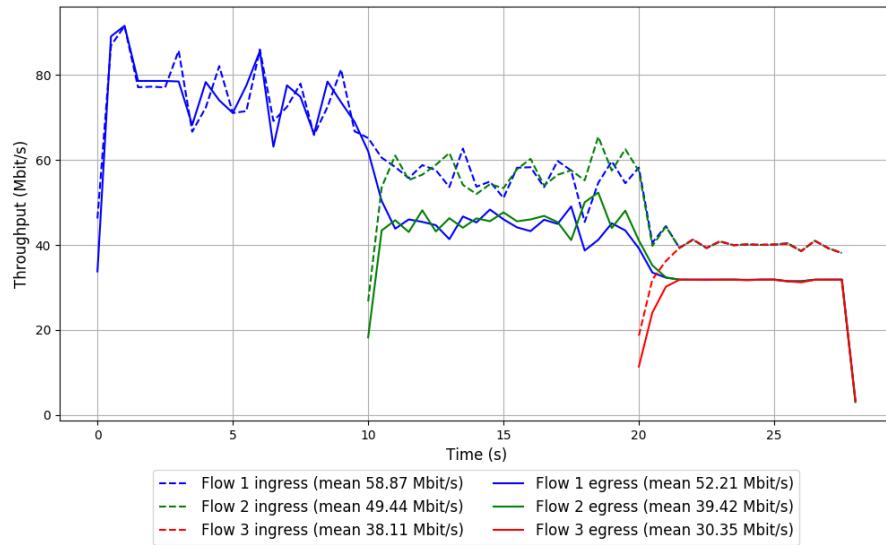


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-21 23:43:23
End at: 2017-09-21 23:43:53
Local clock offset: -3.657 ms
Remote clock offset: 0.715 ms

# Below is generated by plot.py at 2017-09-22 02:37:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 85.869 ms
Loss rate: 14.99%
-- Flow 1:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 83.201 ms
Loss rate: 11.20%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 20.19%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 88.687 ms
Loss rate: 20.36%
```

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

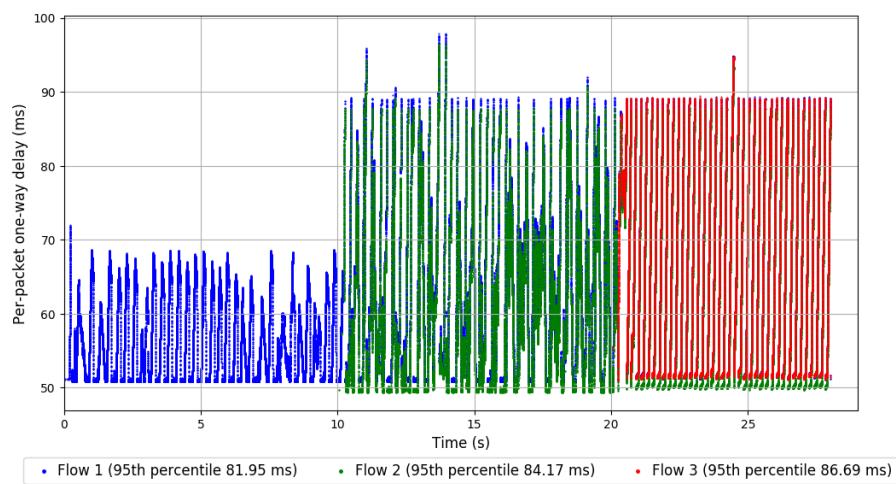
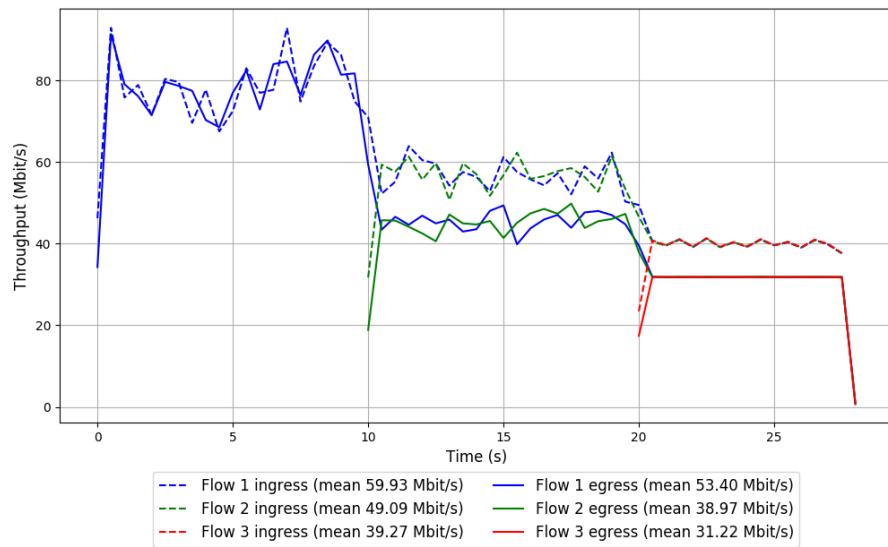


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-22 00:03:27
End at: 2017-09-22 00:03:57
Local clock offset: -3.756 ms
Remote clock offset: -1.826 ms

# Below is generated by plot.py at 2017-09-22 02:37:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 83.733 ms
Loss rate: 14.92%
-- Flow 1:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 81.955 ms
Loss rate: 10.89%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 84.173 ms
Loss rate: 20.60%
-- Flow 3:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 86.687 ms
Loss rate: 20.54%
```

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

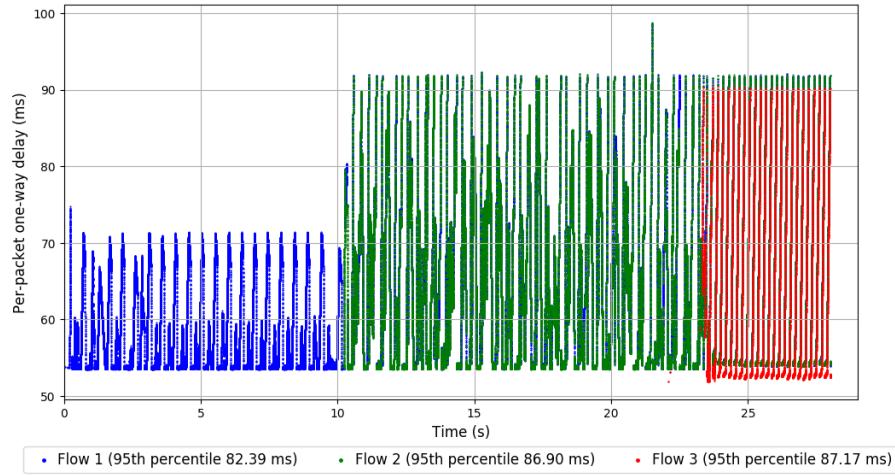
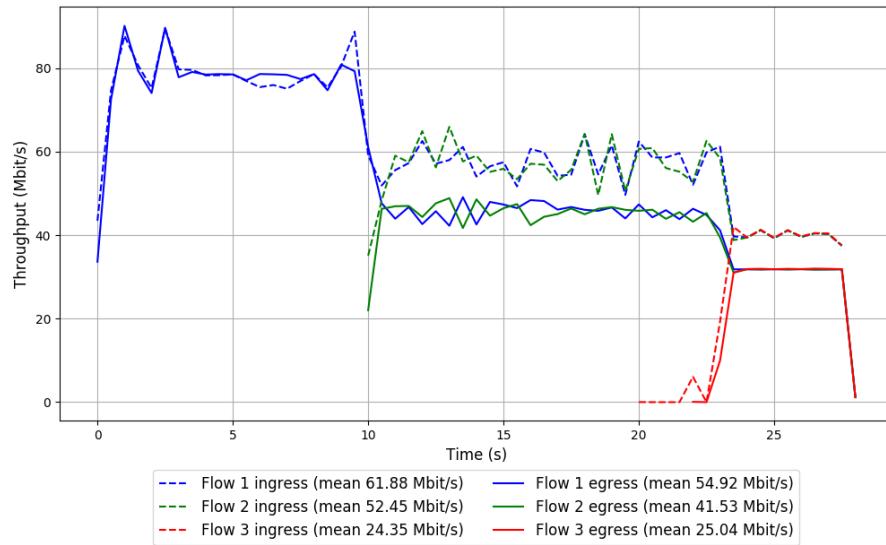


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-22 00:23:55
End at: 2017-09-22 00:24:25
Local clock offset: -3.519 ms
Remote clock offset: 0.717 ms

# Below is generated by plot.py at 2017-09-22 02:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 84.835 ms
Loss rate: 15.21%
-- Flow 1:
Average throughput: 54.92 Mbit/s
95th percentile per-packet one-way delay: 82.385 ms
Loss rate: 11.25%
-- Flow 2:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 86.898 ms
Loss rate: 20.88%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 87.169 ms
Loss rate: 23.09%
```

Run 6: Report of TaoVA-100x — Data Link

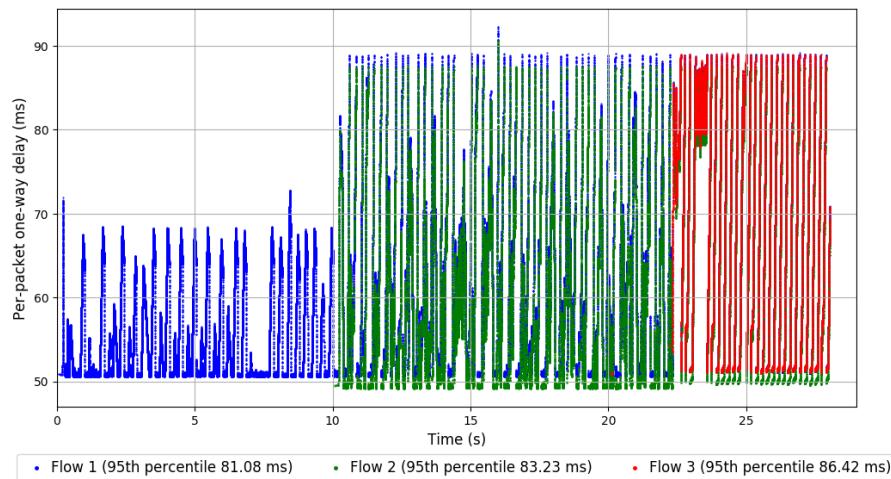
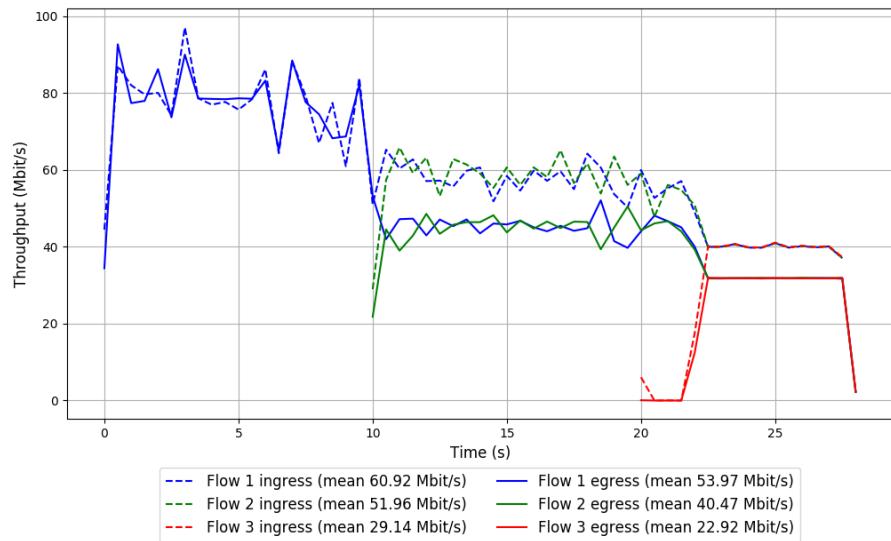


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-22 00:45:02
End at: 2017-09-22 00:45:32
Local clock offset: -2.26 ms
Remote clock offset: -2.169 ms

# Below is generated by plot.py at 2017-09-22 02:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 83.009 ms
Loss rate: 15.62%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 81.082 ms
Loss rate: 11.35%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 83.226 ms
Loss rate: 22.02%
-- Flow 3:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 86.423 ms
Loss rate: 21.16%
```

Run 7: Report of TaoVA-100x — Data Link

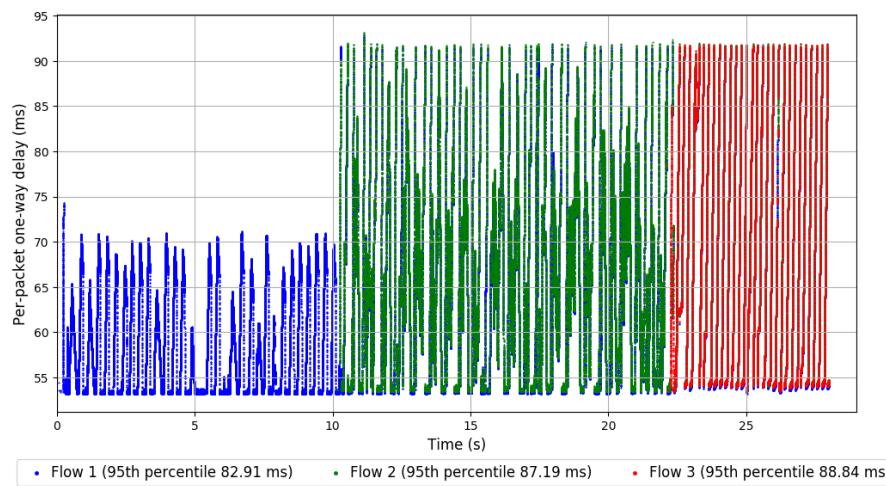
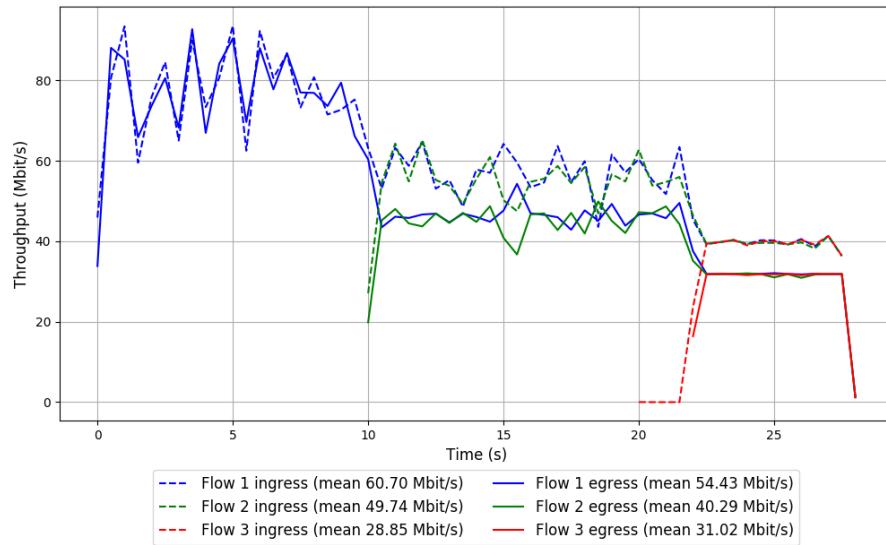


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-22 01:06:27
End at: 2017-09-22 01:06:57
Local clock offset: -0.9 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2017-09-22 02:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 85.477 ms
Loss rate: 13.87%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 82.906 ms
Loss rate: 10.34%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 87.193 ms
Loss rate: 19.04%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 88.841 ms
Loss rate: 19.90%
```

Run 8: Report of TaoVA-100x — Data Link

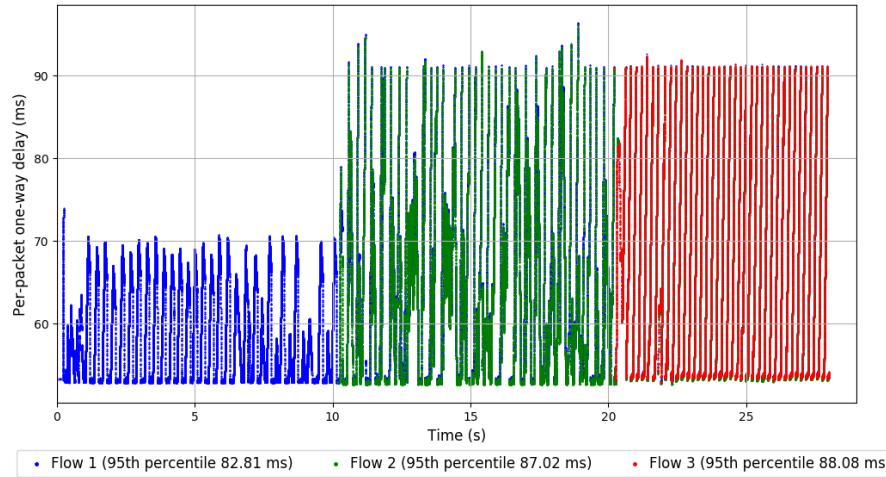
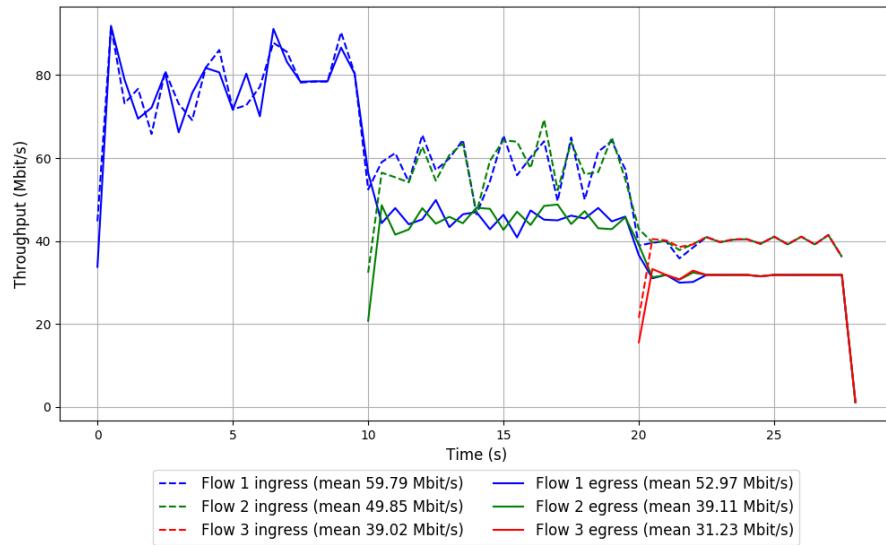


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-22 01:26:49
End at: 2017-09-22 01:27:19
Local clock offset: -0.624 ms
Remote clock offset: -0.544 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 85.543 ms
Loss rate: 15.49%
-- Flow 1:
Average throughput: 52.97 Mbit/s
95th percentile per-packet one-way delay: 82.810 ms
Loss rate: 11.39%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 87.022 ms
Loss rate: 21.60%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 88.080 ms
Loss rate: 19.97%
```

Run 9: Report of TaoVA-100x — Data Link

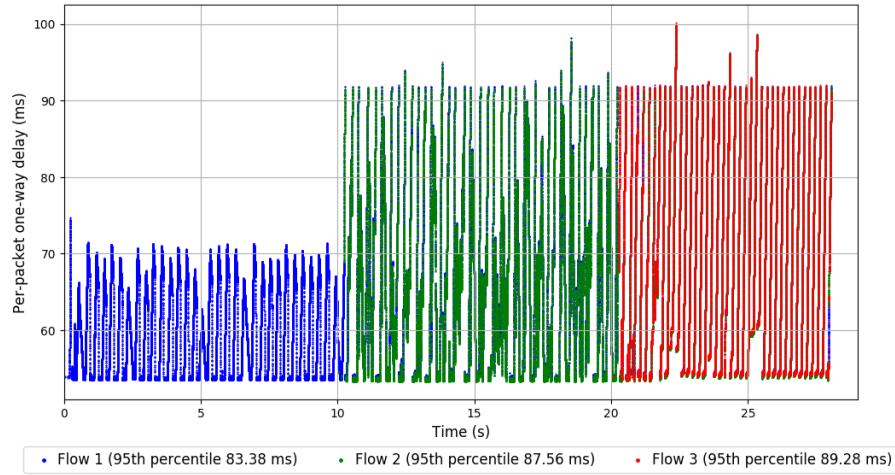
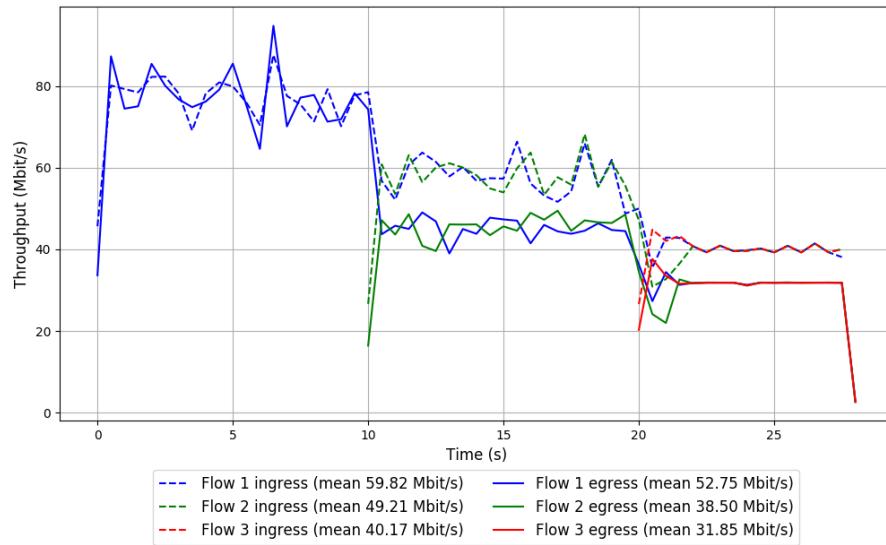


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-22 01:47:14
End at: 2017-09-22 01:47:44
Local clock offset: 0.003 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 86.080 ms
Loss rate: 15.76%
-- Flow 1:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 83.379 ms
Loss rate: 11.74%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 87.560 ms
Loss rate: 21.66%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 89.283 ms
Loss rate: 20.49%
```

Run 10: Report of TaoVA-100x — Data Link

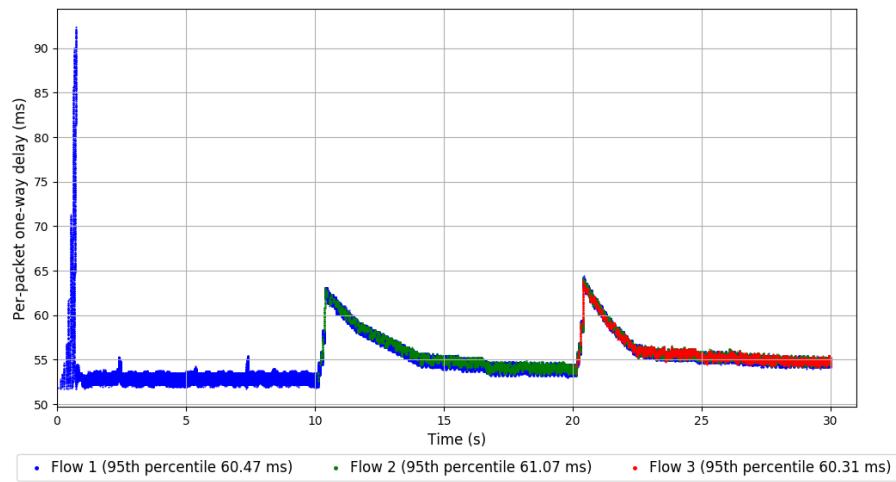
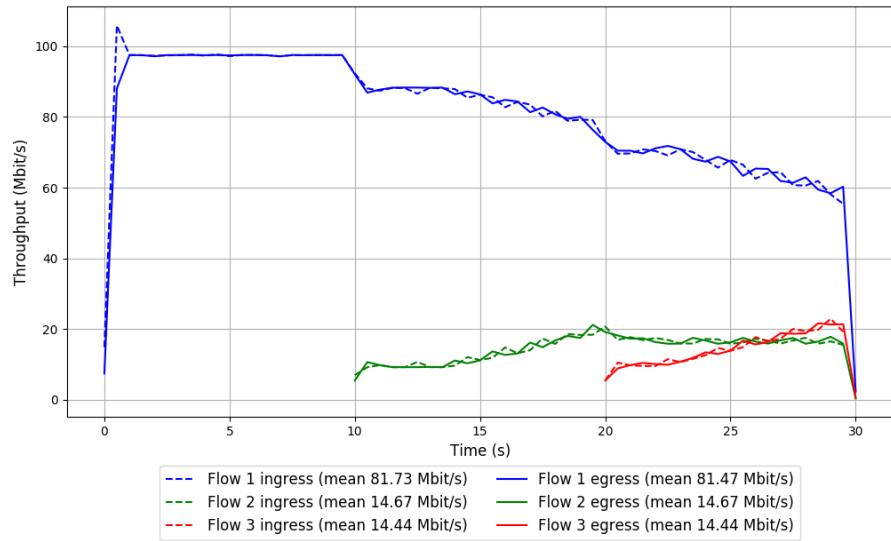


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-21 22:53:20
End at: 2017-09-21 22:53:50
Local clock offset: -1.821 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 60.521 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 60.470 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 61.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 60.306 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

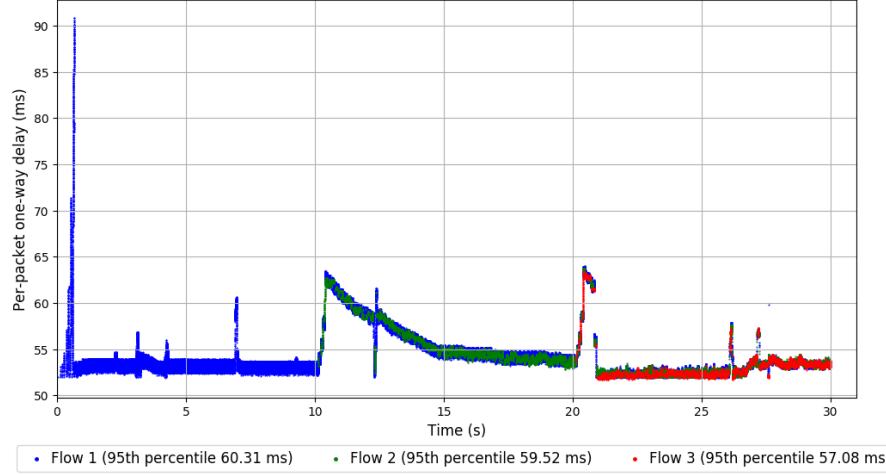
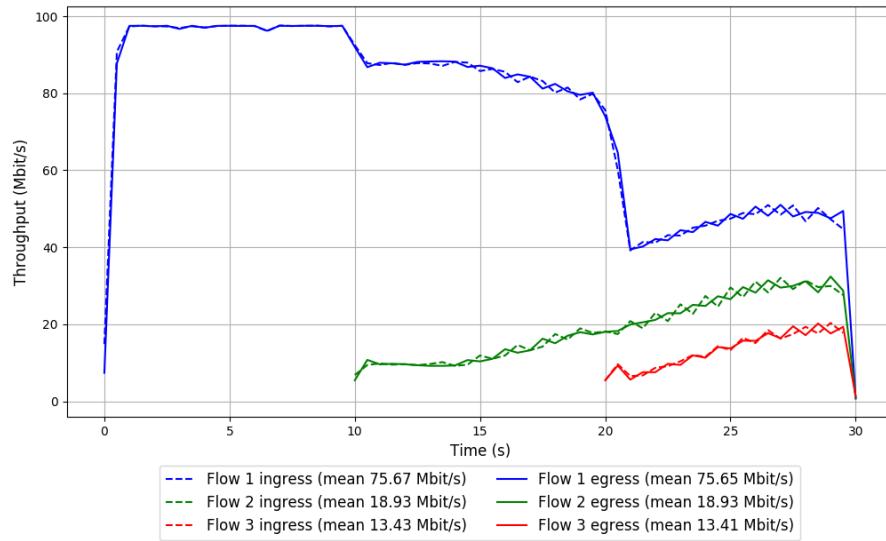


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-21 23:12:57
End at: 2017-09-21 23:13:27
Local clock offset: -2.637 ms
Remote clock offset: -0.524 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 60.269 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 60.307 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 59.515 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 57.078 ms
Loss rate: 0.13%
```

Run 2: Report of TCP Vegas — Data Link

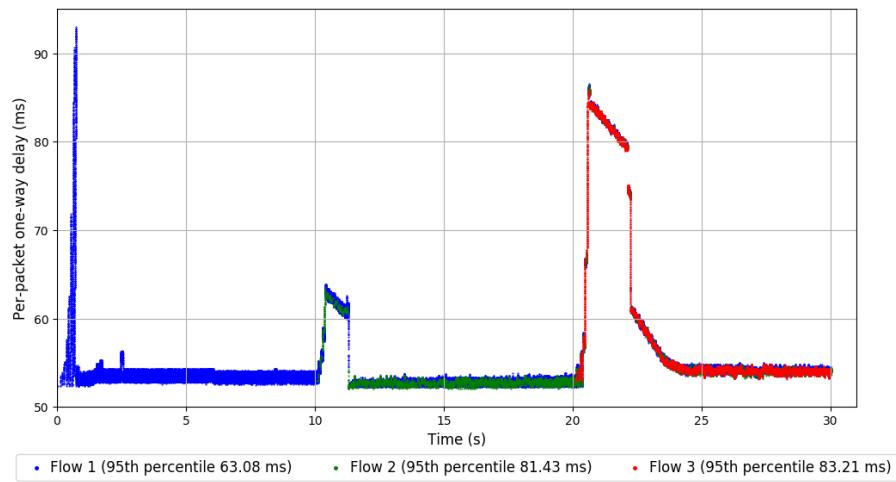
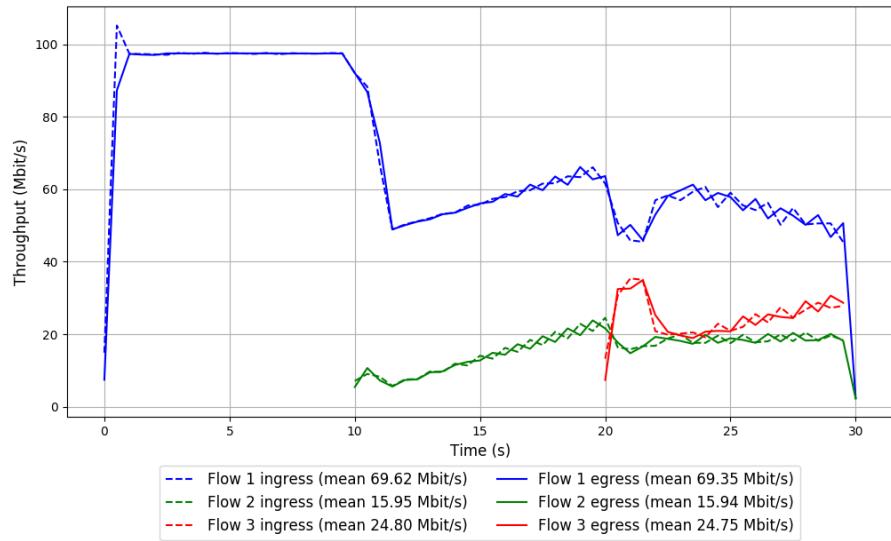


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-21 23:32:22
End at: 2017-09-21 23:32:52
Local clock offset: -3.282 ms
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 80.189 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 63.083 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 81.431 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 83.213 ms
Loss rate: 0.19%
```

Run 3: Report of TCP Vegas — Data Link

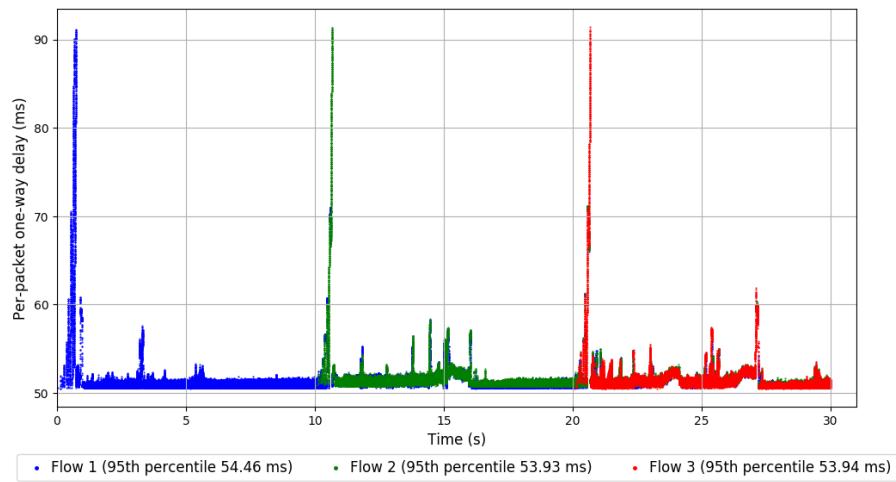
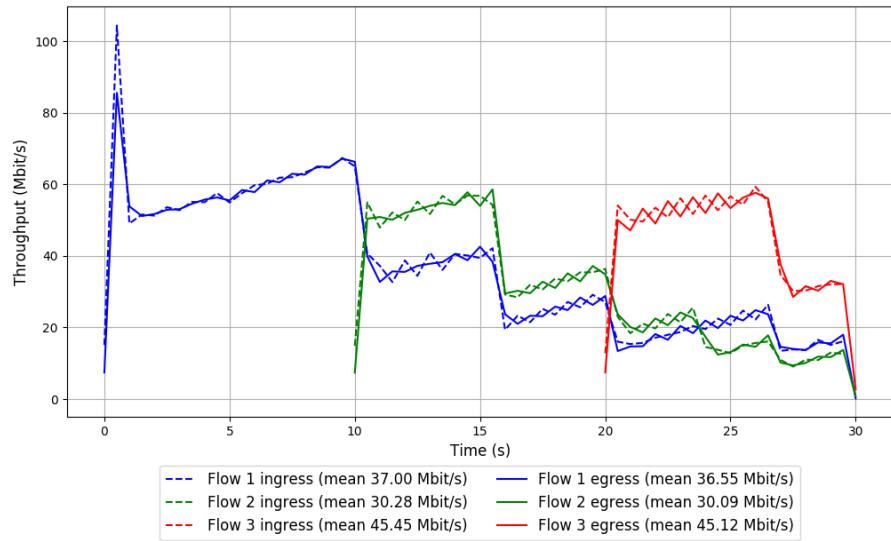


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-21 23:51:55
End at: 2017-09-21 23:52:25
Local clock offset: -3.618 ms
Remote clock offset: -2.004 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 54.125 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 54.458 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 53.928 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 53.939 ms
Loss rate: 0.72%
```

Run 4: Report of TCP Vegas — Data Link

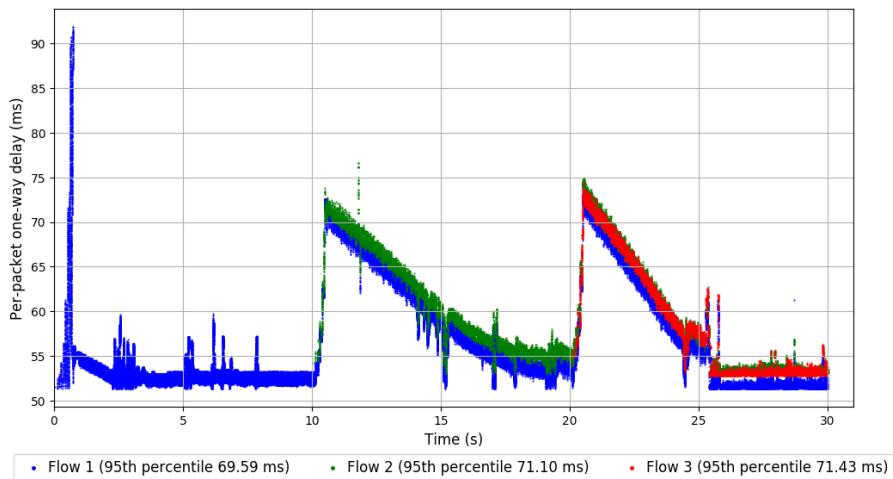
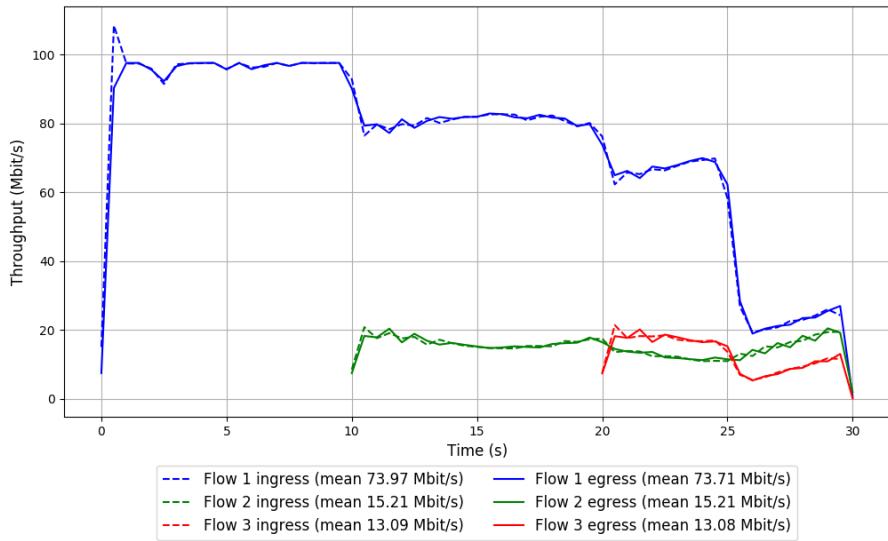


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-22 00:12:31
End at: 2017-09-22 00:13:01
Local clock offset: -3.548 ms
Remote clock offset: 0.368 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 70.048 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 69.594 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 71.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 71.432 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

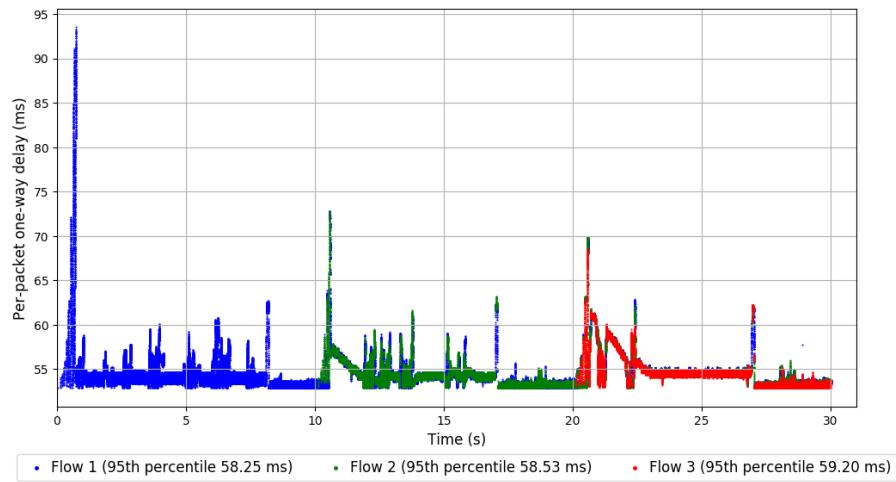
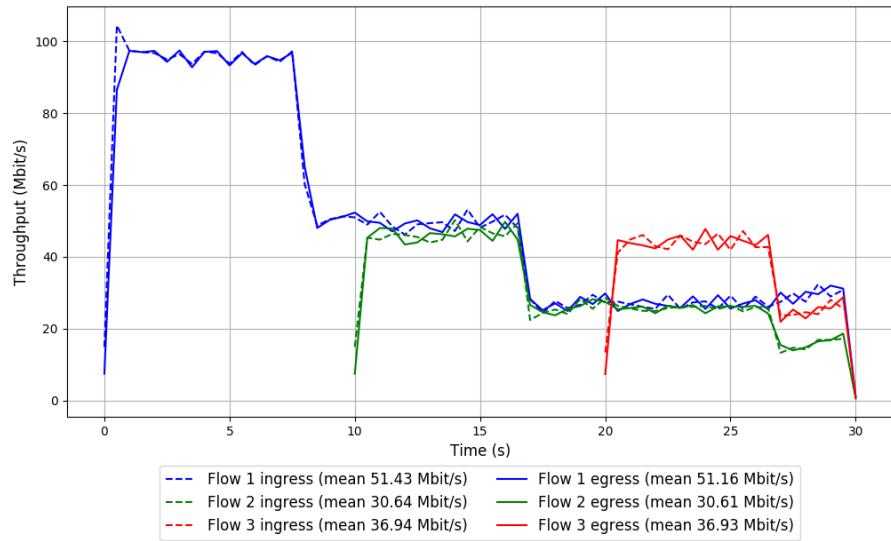


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-22 00:33:20
End at: 2017-09-22 00:33:50
Local clock offset: -2.991 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 58.560 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 58.254 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 58.535 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 59.202 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Vegas — Data Link

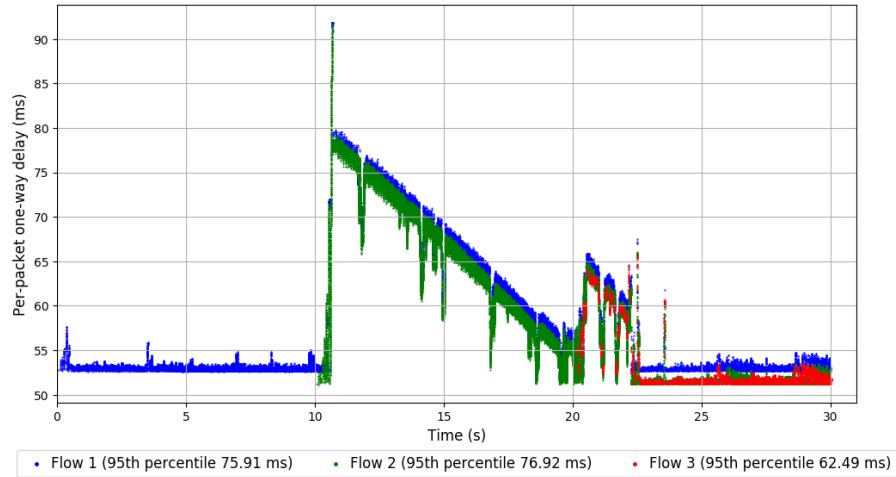
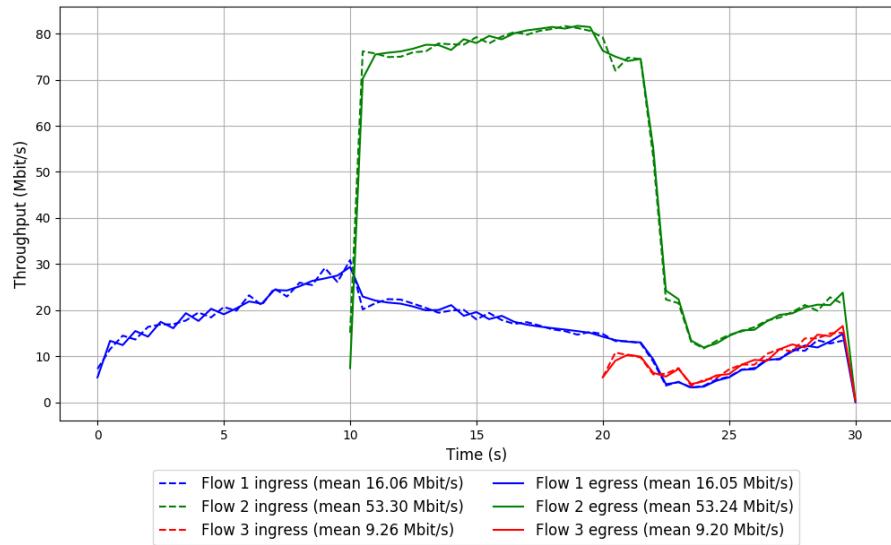


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-22 00:54:37
End at: 2017-09-22 00:55:07
Local clock offset: -1.539 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2017-09-22 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 76.647 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 75.914 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 76.921 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 62.486 ms
Loss rate: 0.68%
```

Run 7: Report of TCP Vegas — Data Link

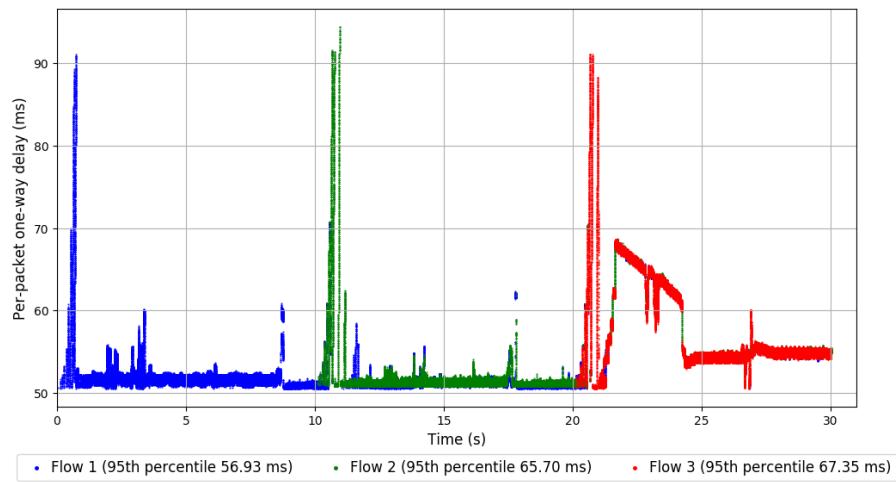
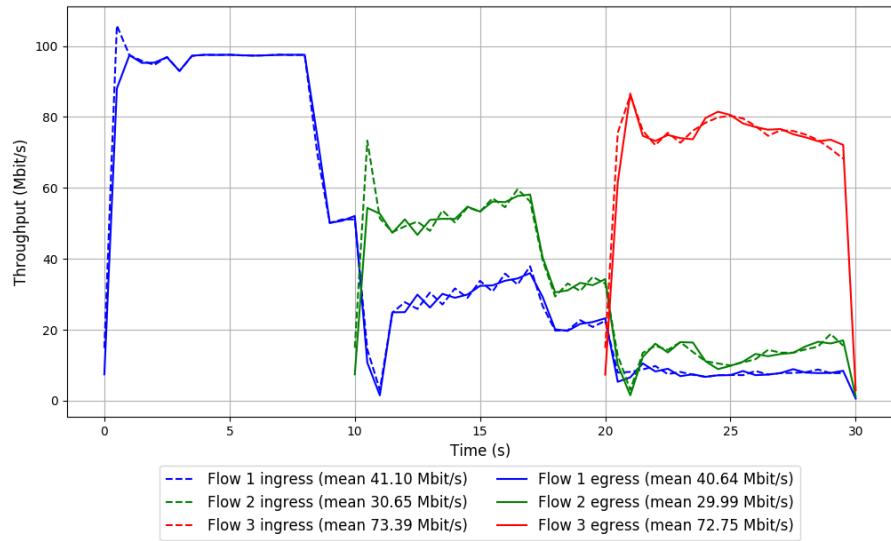


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-22 01:15:20
End at: 2017-09-22 01:15:50
Local clock offset: -0.593 ms
Remote clock offset: -2.512 ms

# Below is generated by plot.py at 2017-09-22 02:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 65.910 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 56.933 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 65.697 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 67.348 ms
Loss rate: 0.83%
```

Run 8: Report of TCP Vegas — Data Link

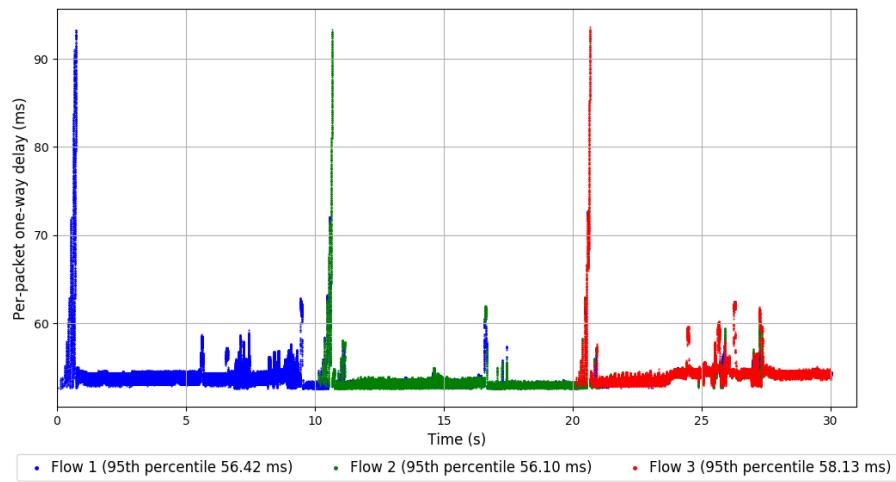
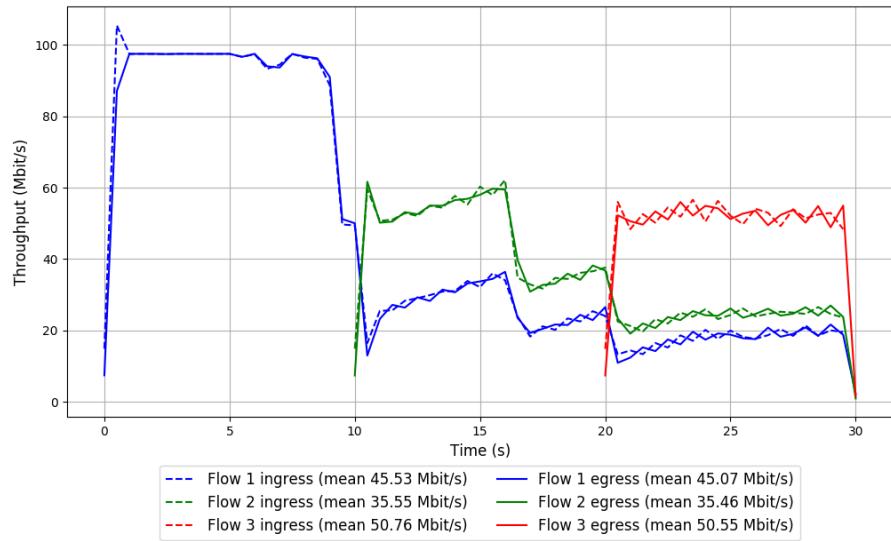


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-22 01:35:39
End at: 2017-09-22 01:36:09
Local clock offset: -0.663 ms
Remote clock offset: -0.524 ms

# Below is generated by plot.py at 2017-09-22 02:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 56.528 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 56.418 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 56.103 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 58.128 ms
Loss rate: 0.40%
```

Run 9: Report of TCP Vegas — Data Link

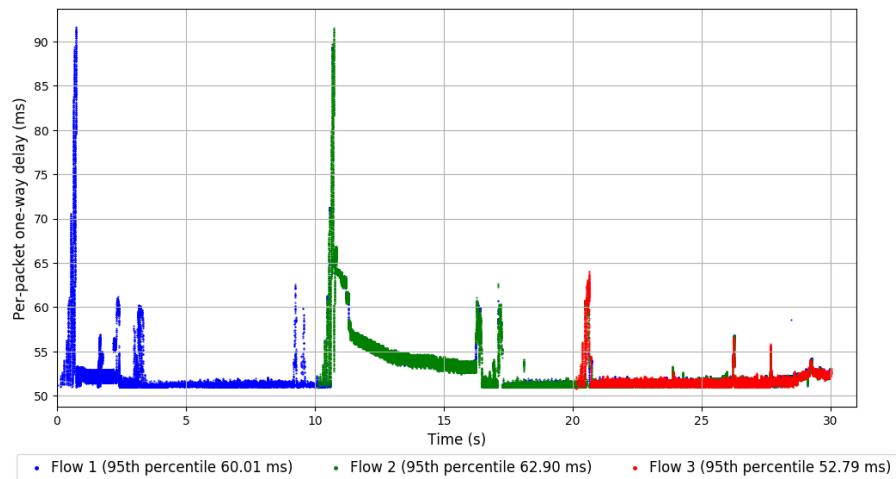
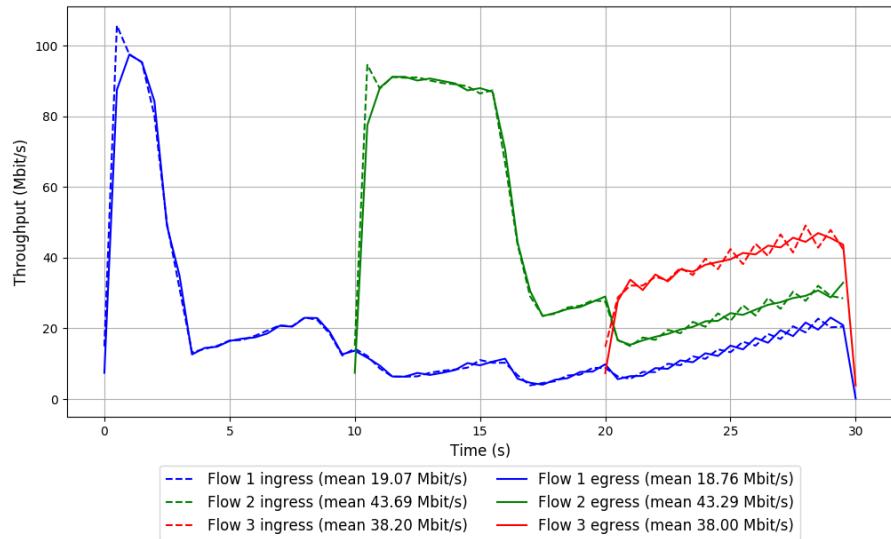


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-22 01:55:56
End at: 2017-09-22 01:56:26
Local clock offset: 0.416 ms
Remote clock offset: -2.167 ms

# Below is generated by plot.py at 2017-09-22 02:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.17 Mbit/s
95th percentile per-packet one-way delay: 60.253 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 60.007 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 62.904 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 52.788 ms
Loss rate: 0.52%
```

Run 10: Report of TCP Vegas — Data Link

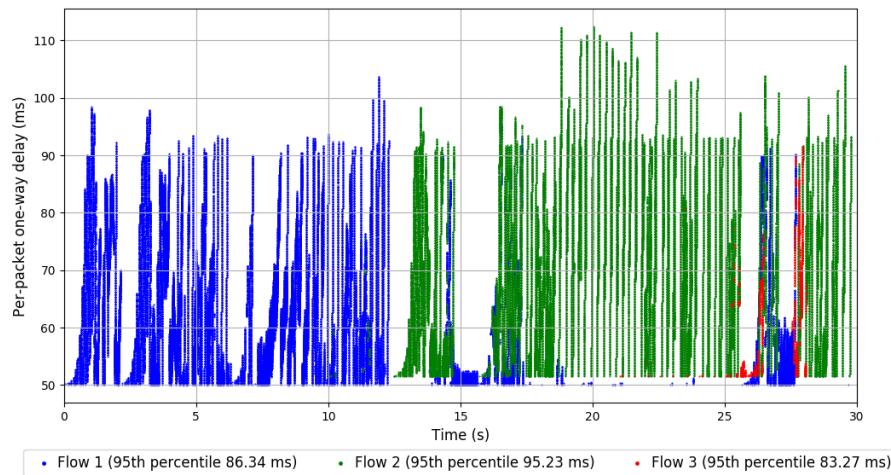
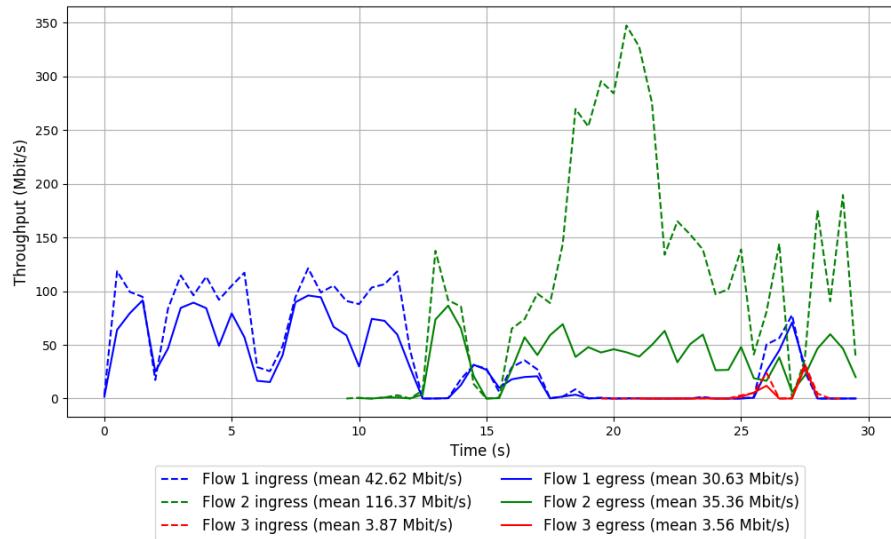


Run 1: Statistics of Verus

```
Start at: 2017-09-21 22:54:45
End at: 2017-09-21 22:55:15
Local clock offset: -1.811 ms
Remote clock offset: -0.299 ms

# Below is generated by plot.py at 2017-09-22 02:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 90.679 ms
Loss rate: 54.65%
-- Flow 1:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 86.336 ms
Loss rate: 28.33%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 95.233 ms
Loss rate: 69.57%
-- Flow 3:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 83.274 ms
Loss rate: 28.55%
```

Run 1: Report of Verus — Data Link

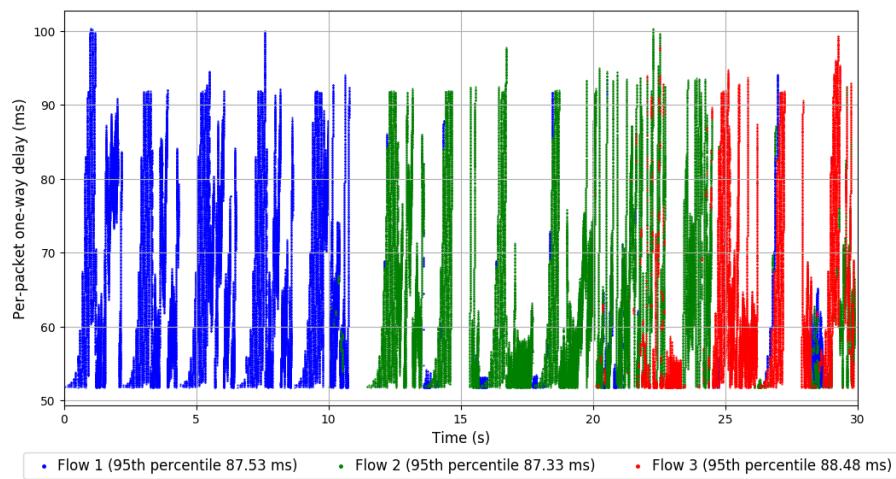
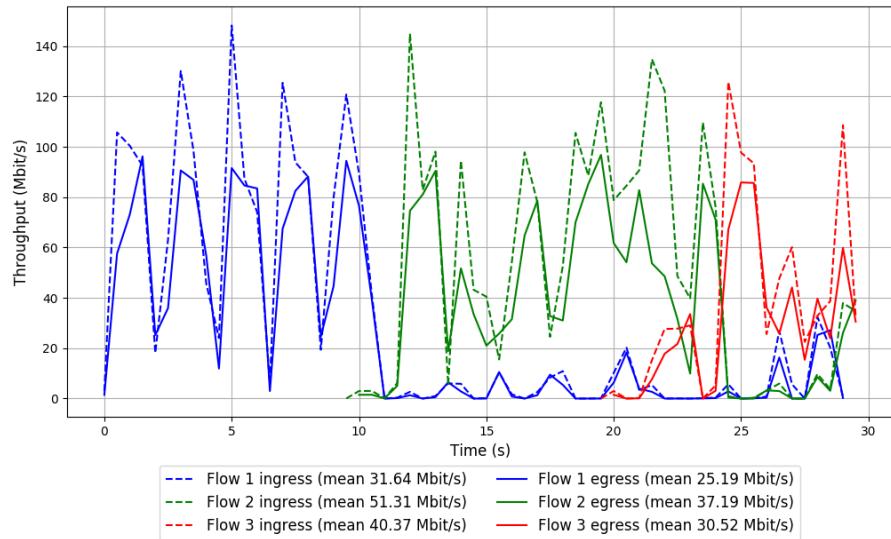


Run 2: Statistics of Verus

```
Start at: 2017-09-21 23:14:21
End at: 2017-09-21 23:14:51
Local clock offset: -2.698 ms
Remote clock offset: -0.666 ms

# Below is generated by plot.py at 2017-09-22 02:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 87.573 ms
Loss rate: 24.25%
-- Flow 1:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 87.525 ms
Loss rate: 20.59%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 87.327 ms
Loss rate: 27.47%
-- Flow 3:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 88.485 ms
Loss rate: 24.47%
```

Run 2: Report of Verus — Data Link

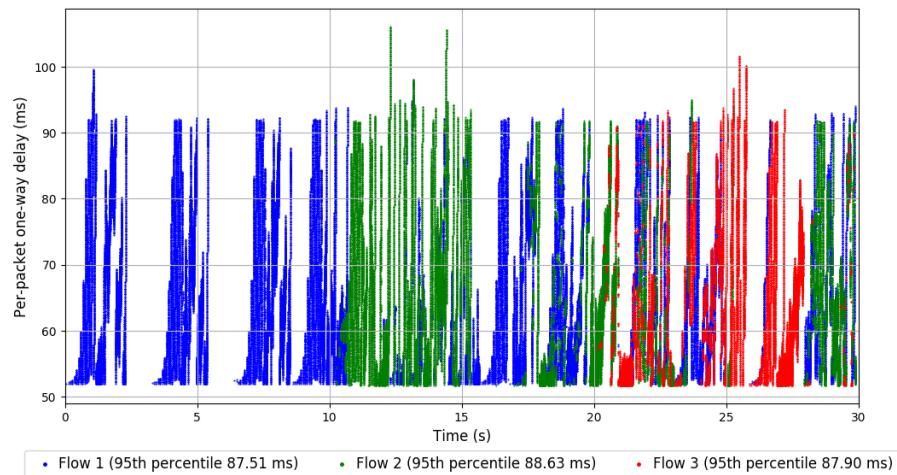
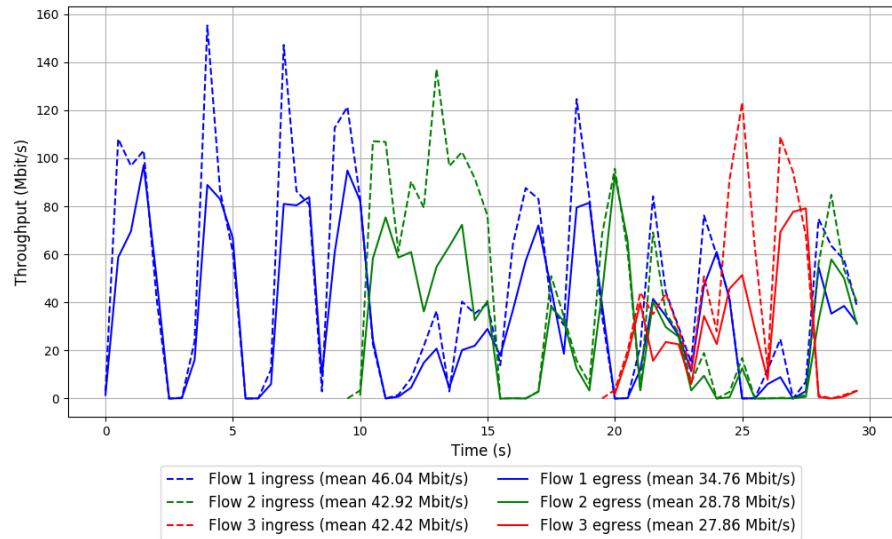


Run 3: Statistics of Verus

```
Start at: 2017-09-21 23:33:46
End at: 2017-09-21 23:34:16
Local clock offset: -3.425 ms
Remote clock offset: -0.784 ms

# Below is generated by plot.py at 2017-09-22 02:39:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 87.921 ms
Loss rate: 28.74%
-- Flow 1:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 87.513 ms
Loss rate: 24.51%
-- Flow 2:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 88.631 ms
Loss rate: 32.93%
-- Flow 3:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 87.904 ms
Loss rate: 34.13%
```

Run 3: Report of Verus — Data Link

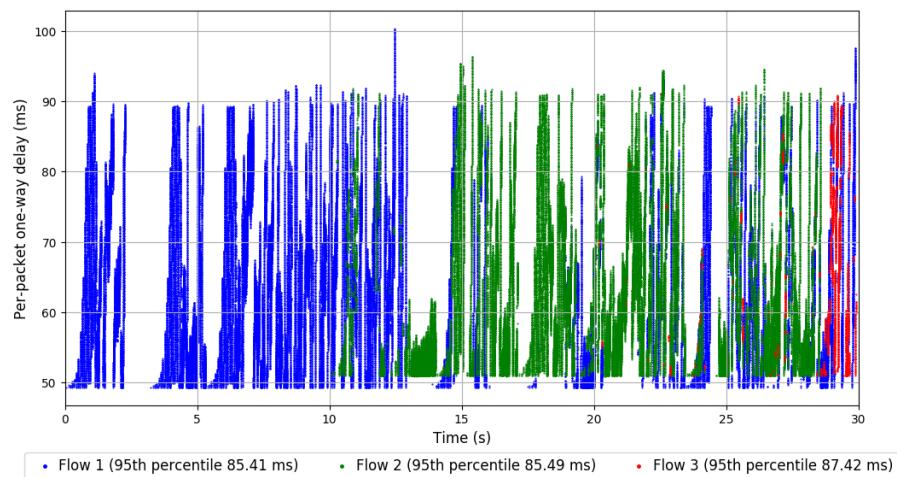
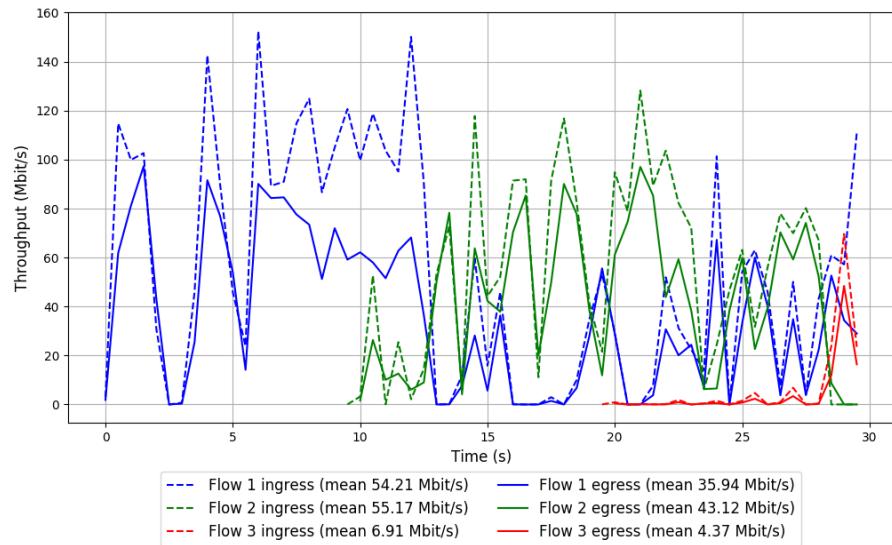


Run 4: Statistics of Verus

```
Start at: 2017-09-21 23:53:22
End at: 2017-09-21 23:53:52
Local clock offset: -3.632 ms
Remote clock offset: -1.804 ms

# Below is generated by plot.py at 2017-09-22 02:40:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 85.511 ms
Loss rate: 29.25%
-- Flow 1:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 85.413 ms
Loss rate: 33.62%
-- Flow 2:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 85.490 ms
Loss rate: 22.26%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 87.423 ms
Loss rate: 36.66%
```

Run 4: Report of Verus — Data Link

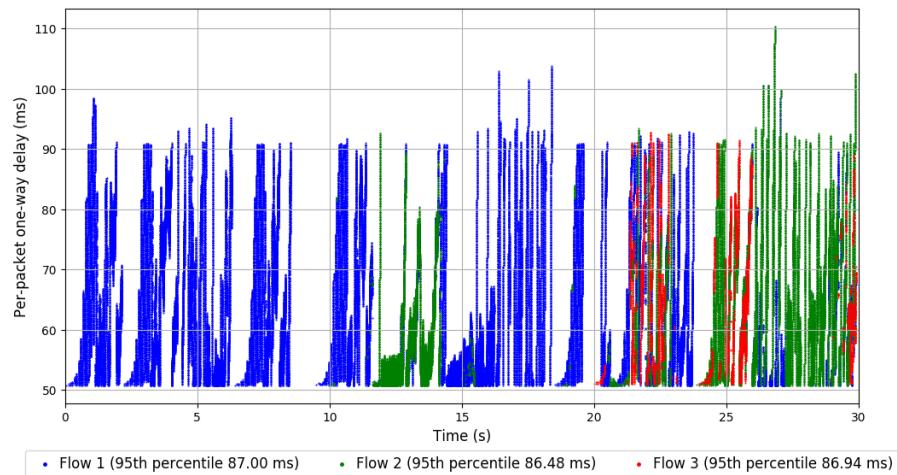
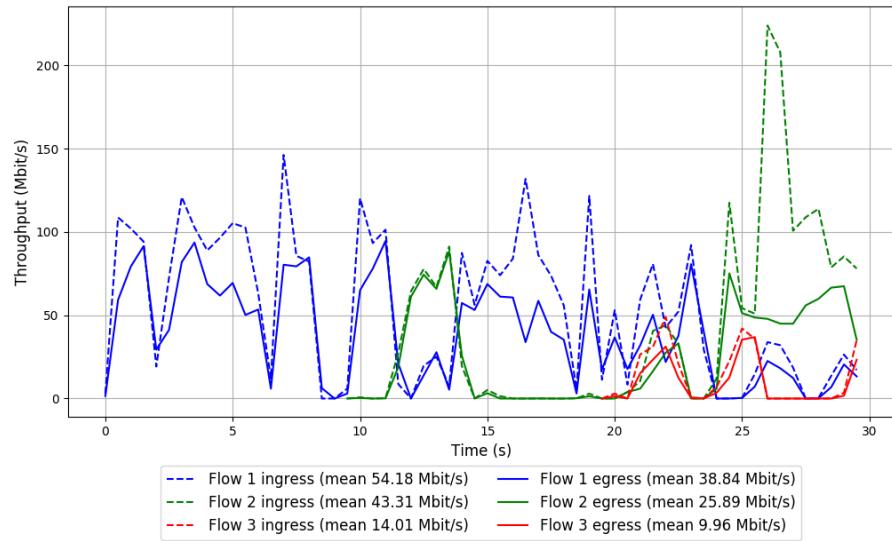


Run 5: Statistics of Verus

```
Start at: 2017-09-22 00:14:07
End at: 2017-09-22 00:14:37
Local clock offset: -3.61 ms
Remote clock offset: -1.702 ms

# Below is generated by plot.py at 2017-09-22 02:40:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 86.883 ms
Loss rate: 32.21%
-- Flow 1:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 28.26%
-- Flow 2:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 86.480 ms
Loss rate: 40.18%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 28.73%
```

Run 5: Report of Verus — Data Link

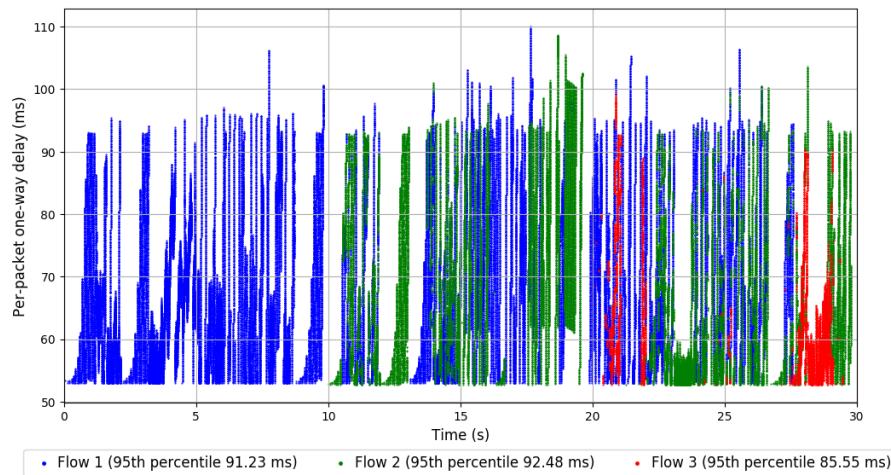
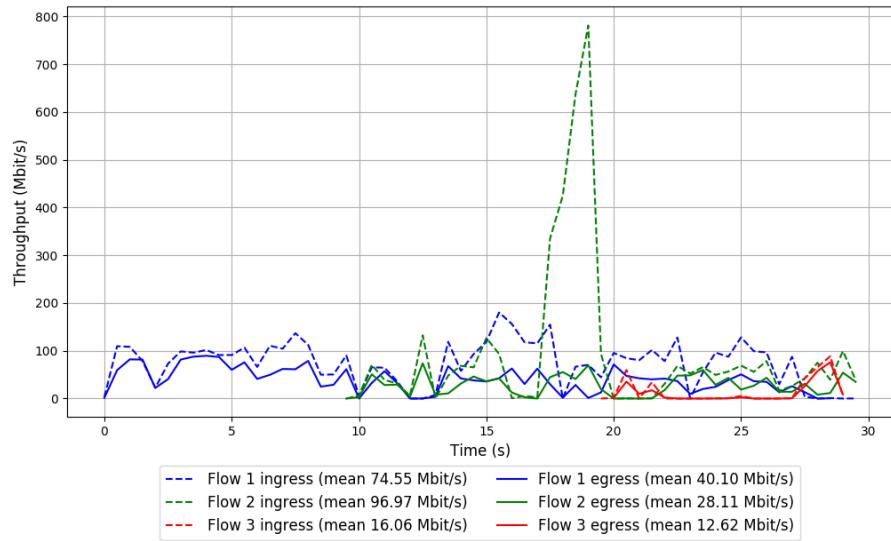


Run 6: Statistics of Verus

```
Start at: 2017-09-22 00:34:56
End at: 2017-09-22 00:35:26
Local clock offset: -2.862 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2017-09-22 02:40:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 91.497 ms
Loss rate: 57.32%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 91.228 ms
Loss rate: 47.92%
-- Flow 2:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 92.482 ms
Loss rate: 70.99%
-- Flow 3:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 85.547 ms
Loss rate: 22.17%
```

Run 6: Report of Verus — Data Link

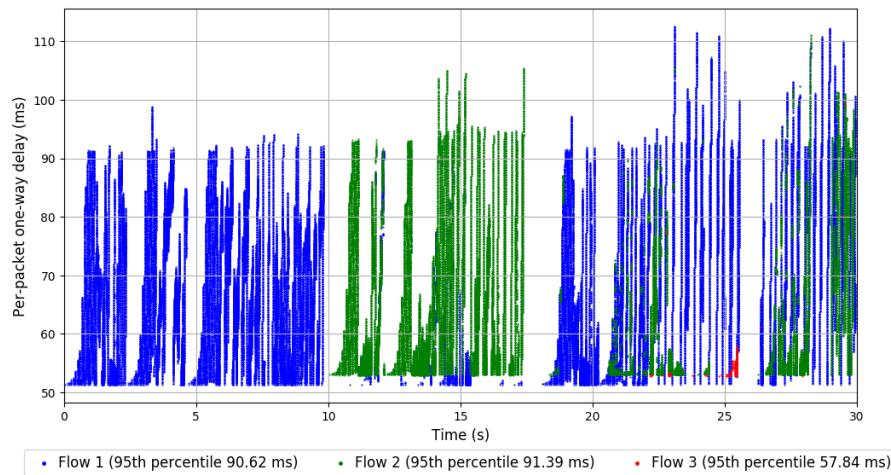
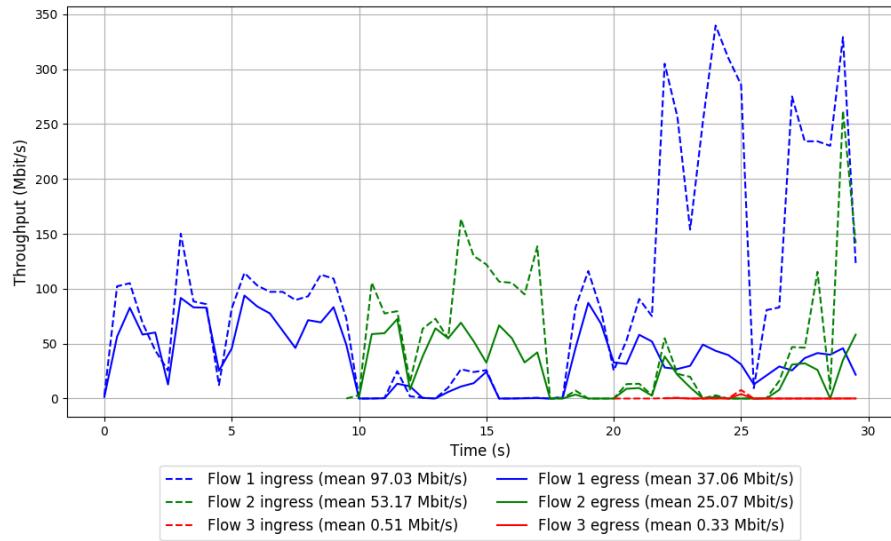


Run 7: Statistics of Verus

```
Start at: 2017-09-22 00:56:09
End at: 2017-09-22 00:56:39
Local clock offset: -1.408 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2017-09-22 02:40:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 90.846 ms
Loss rate: 59.38%
-- Flow 1:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 90.619 ms
Loss rate: 61.78%
-- Flow 2:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 91.385 ms
Loss rate: 52.79%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 57.838 ms
Loss rate: 50.24%
```

Run 7: Report of Verus — Data Link

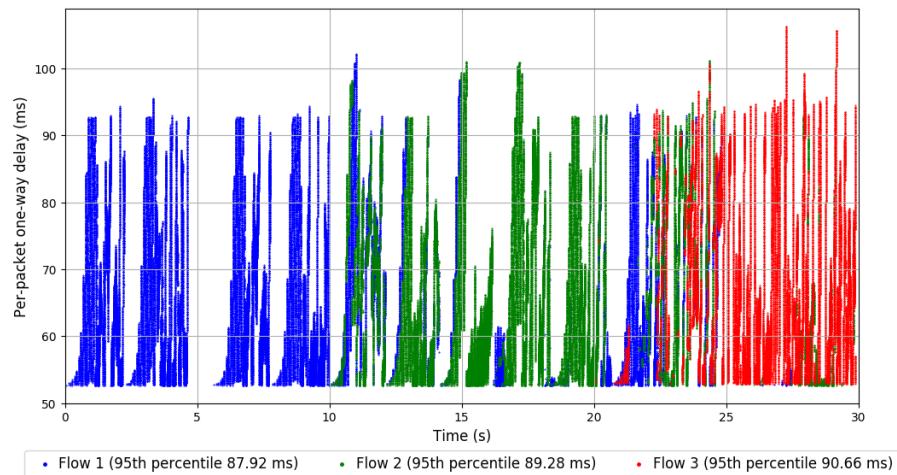
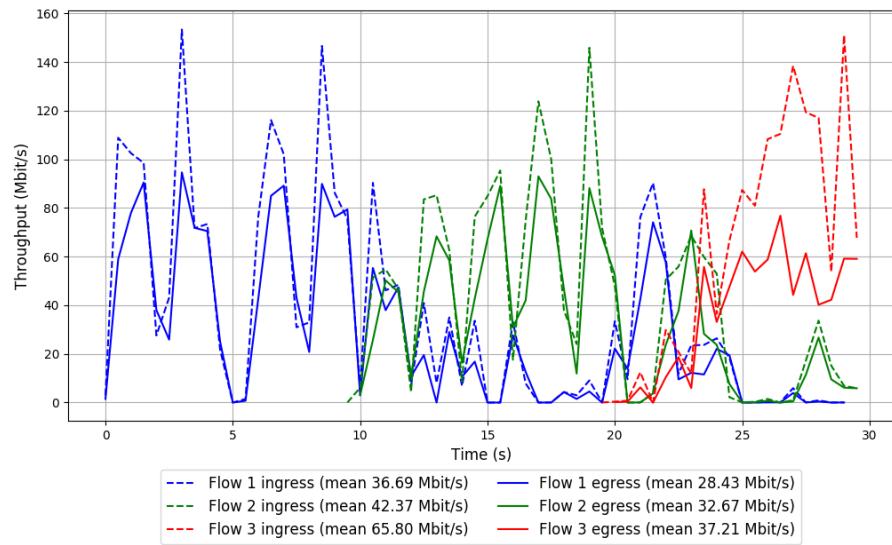


Run 8: Statistics of Verus

```
Start at: 2017-09-22 01:16:44
End at: 2017-09-22 01:17:14
Local clock offset: -0.577 ms
Remote clock offset: -0.388 ms

# Below is generated by plot.py at 2017-09-22 02:40:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 89.076 ms
Loss rate: 27.93%
-- Flow 1:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 87.921 ms
Loss rate: 22.50%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 89.285 ms
Loss rate: 22.82%
-- Flow 3:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 90.661 ms
Loss rate: 43.43%
```

Run 8: Report of Verus — Data Link

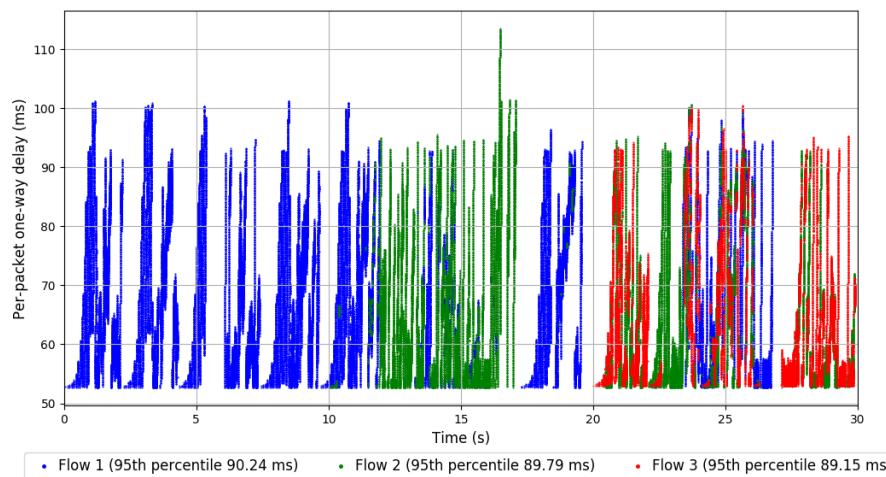
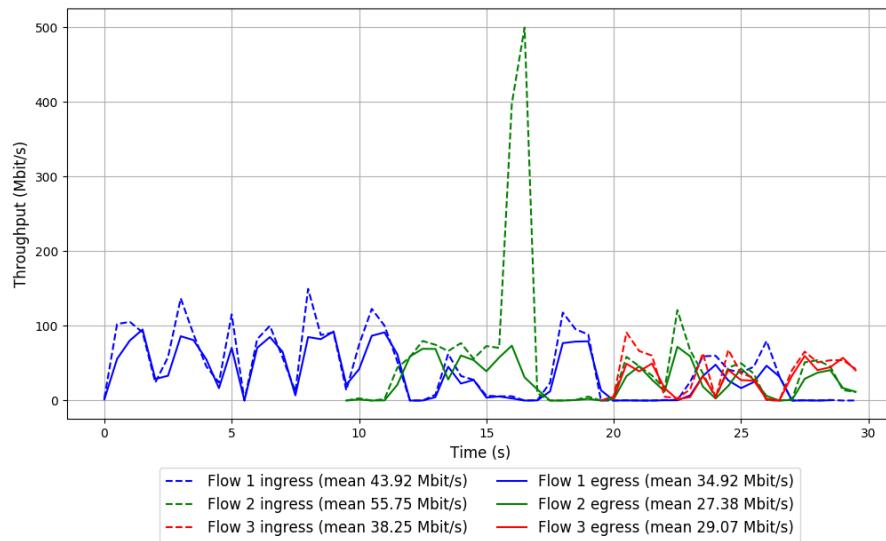


Run 9: Statistics of Verus

```
Start at: 2017-09-22 01:37:09
End at: 2017-09-22 01:37:39
Local clock offset: -0.551 ms
Remote clock offset: -0.405 ms

# Below is generated by plot.py at 2017-09-22 02:40:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 89.918 ms
Loss rate: 34.10%
-- Flow 1:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 90.239 ms
Loss rate: 22.84%
-- Flow 2:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 89.786 ms
Loss rate: 50.83%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 89.146 ms
Loss rate: 23.86%
```

Run 9: Report of Verus — Data Link

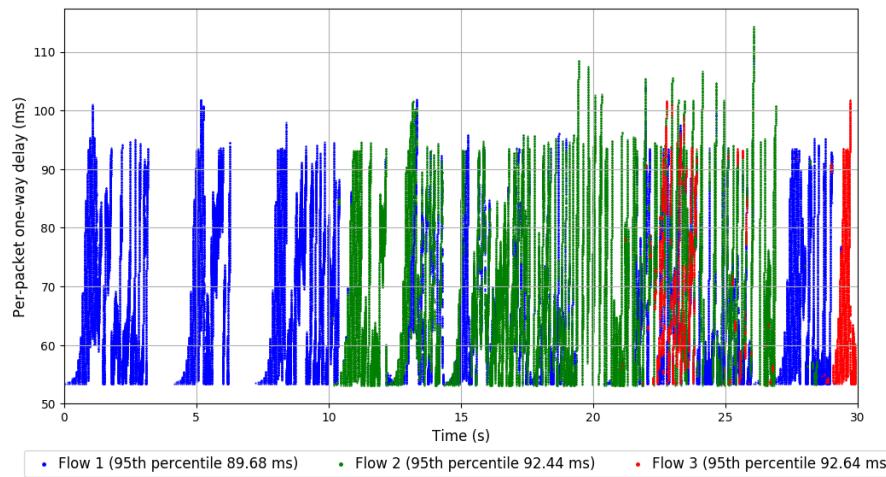
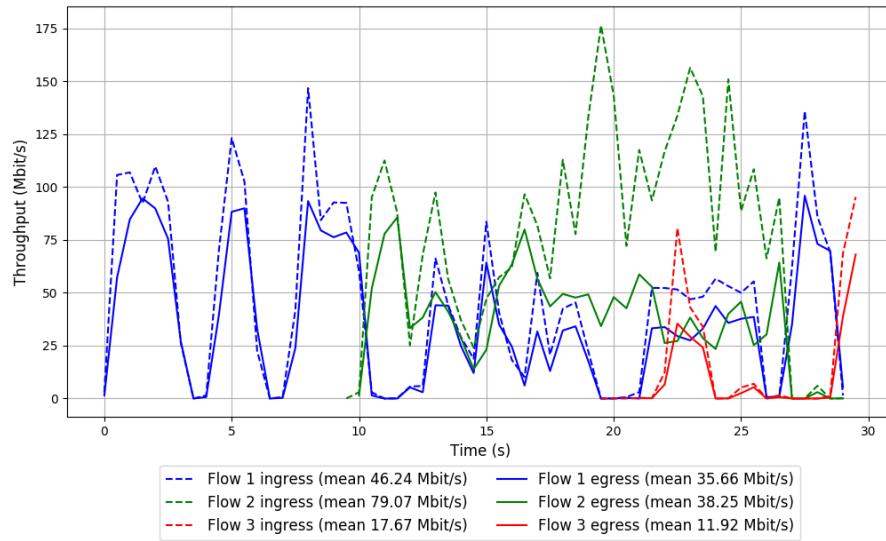


Run 10: Statistics of Verus

```
Start at: 2017-09-22 01:57:19
End at: 2017-09-22 01:57:49
Local clock offset: 0.564 ms
Remote clock offset: 0.325 ms

# Below is generated by plot.py at 2017-09-22 02:40:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 91.088 ms
Loss rate: 38.40%
-- Flow 1:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 89.684 ms
Loss rate: 23.09%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 92.439 ms
Loss rate: 51.86%
-- Flow 3:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 92.641 ms
Loss rate: 39.36%
```

Run 10: Report of Verus — Data Link

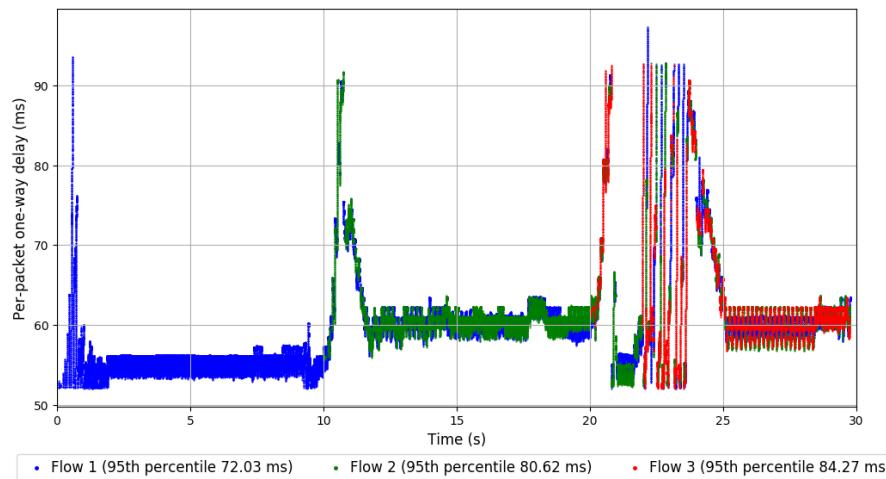
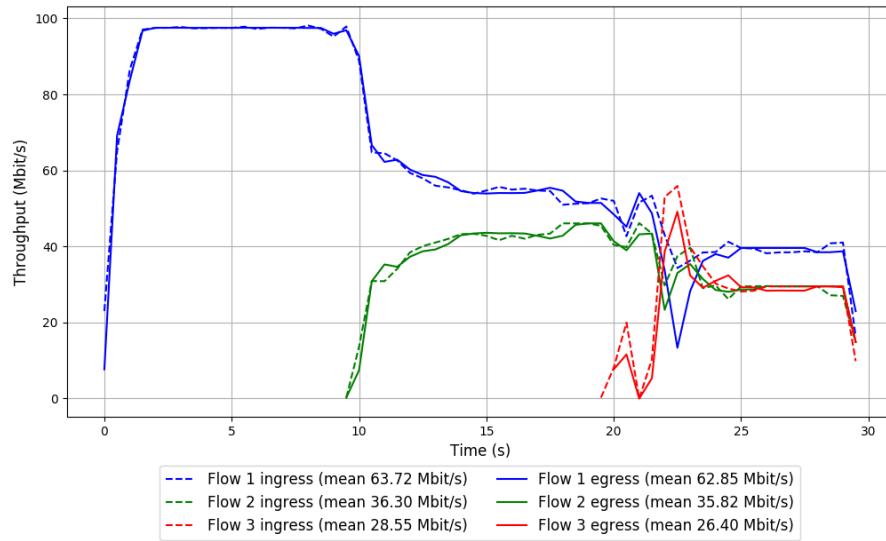


Run 1: Statistics of Indigo

```
Start at: 2017-09-21 22:46:08
End at: 2017-09-21 22:46:38
Local clock offset: -1.356 ms
Remote clock offset: 0.511 ms

# Below is generated by plot.py at 2017-09-22 02:41:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 75.851 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 62.85 Mbit/s
95th percentile per-packet one-way delay: 72.025 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 80.622 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 84.265 ms
Loss rate: 7.54%
```

Run 1: Report of Indigo — Data Link

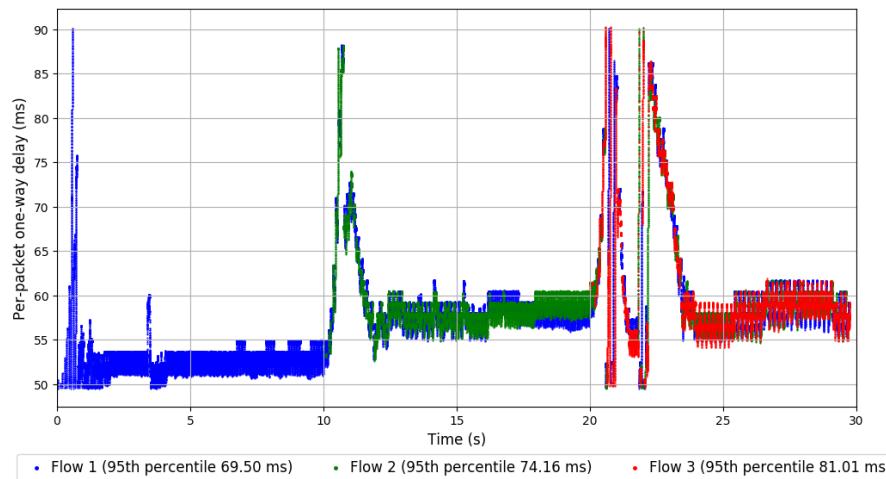
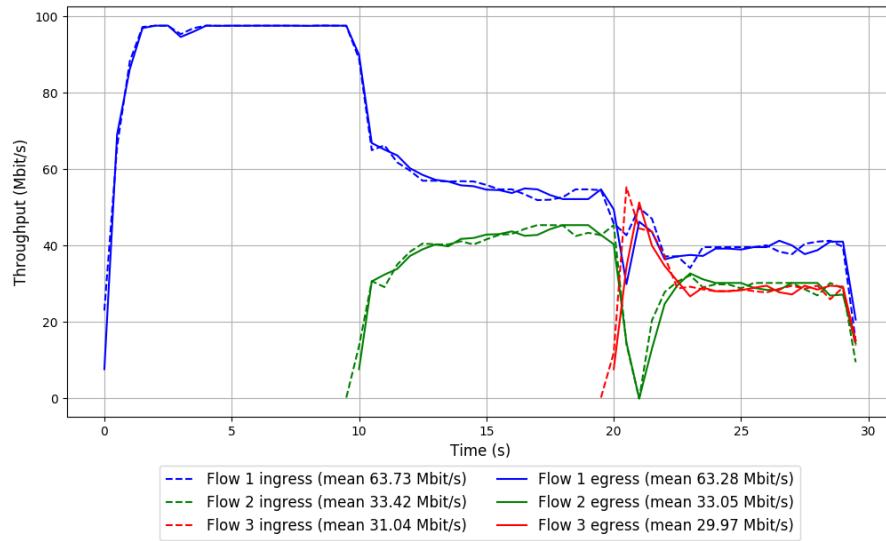


Run 2: Statistics of Indigo

```
Start at: 2017-09-21 23:05:54
End at: 2017-09-21 23:06:24
Local clock offset: -2.276 ms
Remote clock offset: -2.537 ms

# Below is generated by plot.py at 2017-09-22 02:41:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 71.696 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 63.28 Mbit/s
95th percentile per-packet one-way delay: 69.501 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 74.157 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 81.013 ms
Loss rate: 3.44%
```

Run 2: Report of Indigo — Data Link

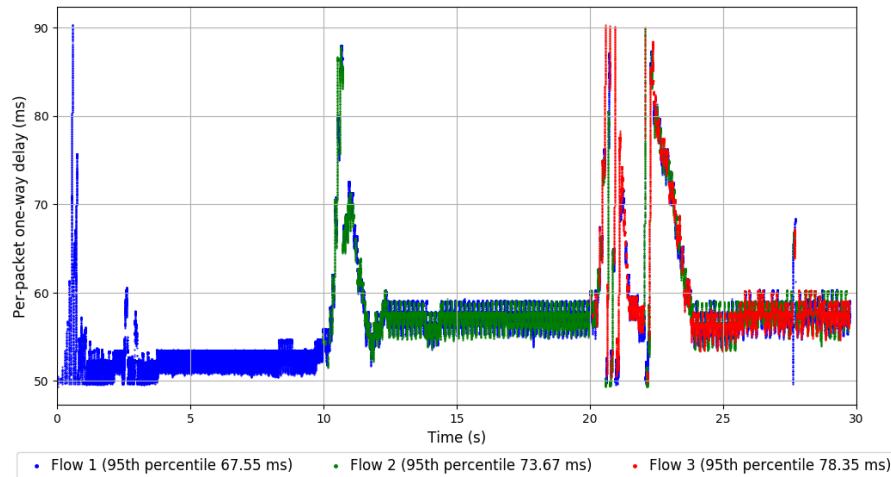
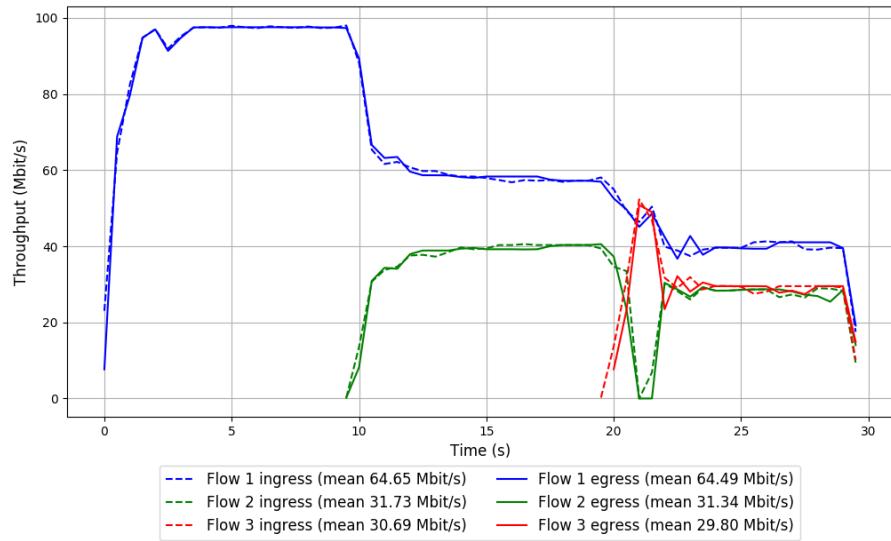


Run 3: Statistics of Indigo

```
Start at: 2017-09-21 23:25:25
End at: 2017-09-21 23:25:55
Local clock offset: -3.108 ms
Remote clock offset: -2.951 ms

# Below is generated by plot.py at 2017-09-22 02:41:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 71.243 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 67.554 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 73.666 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 78.347 ms
Loss rate: 2.90%
```

Run 3: Report of Indigo — Data Link

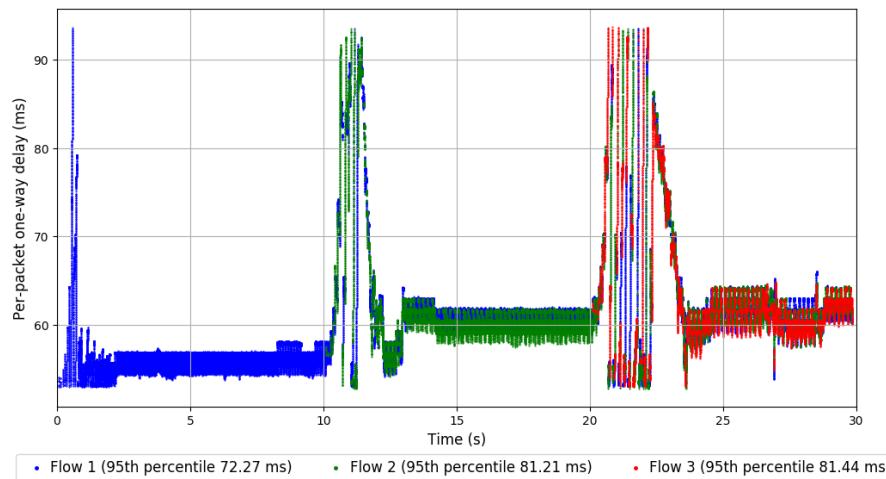
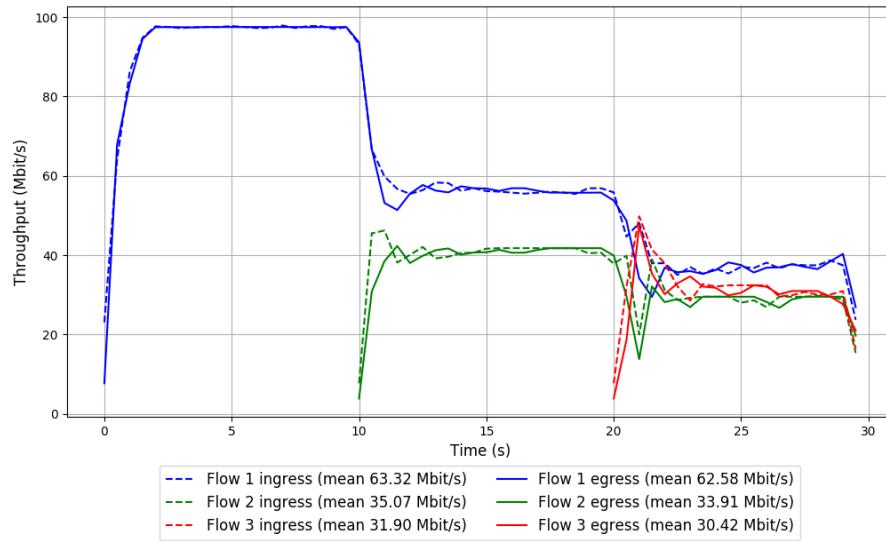


Run 4: Statistics of Indigo

```
Start at: 2017-09-21 23:44:50
End at: 2017-09-21 23:45:20
Local clock offset: -3.692 ms
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2017-09-22 02:41:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 77.636 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 72.270 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 81.212 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 81.437 ms
Loss rate: 4.65%
```

Run 4: Report of Indigo — Data Link

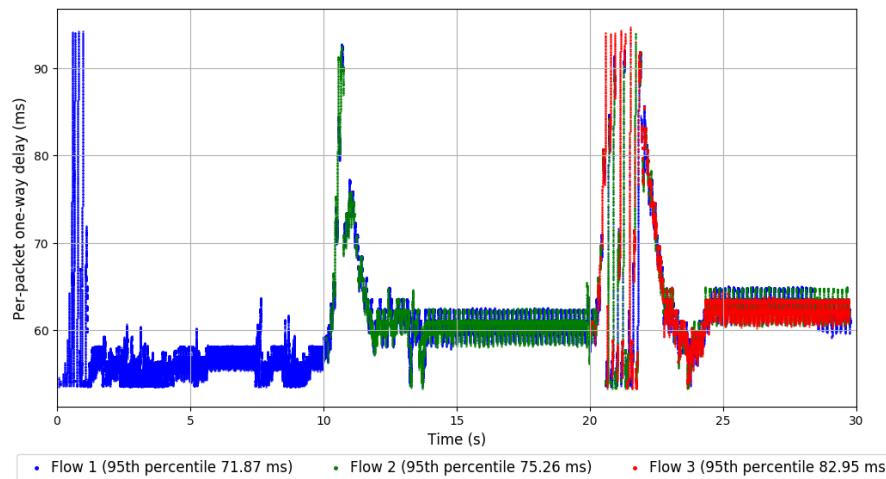
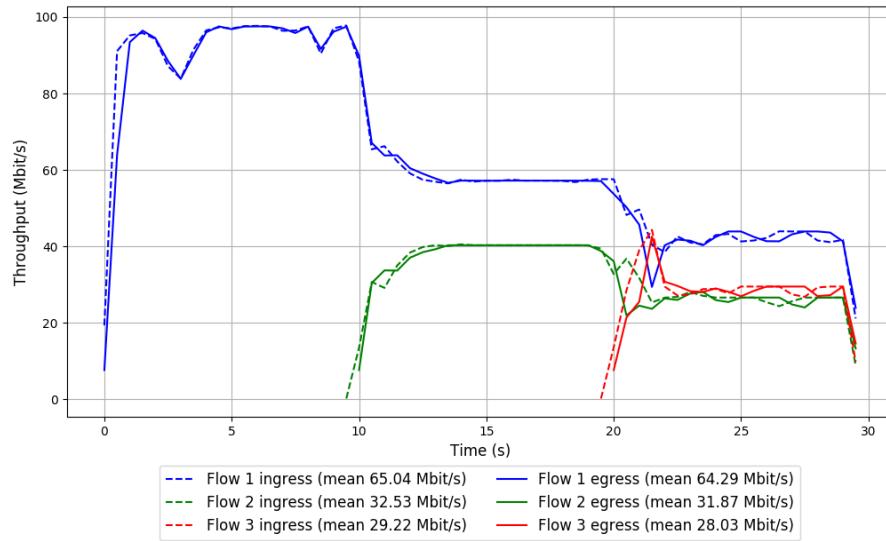


Run 5: Statistics of Indigo

```
Start at: 2017-09-22 00:05:03
End at: 2017-09-22 00:05:33
Local clock offset: -3.717 ms
Remote clock offset: 0.747 ms

# Below is generated by plot.py at 2017-09-22 02:41:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 74.399 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 71.874 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 75.259 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 82.952 ms
Loss rate: 4.02%
```

Run 5: Report of Indigo — Data Link

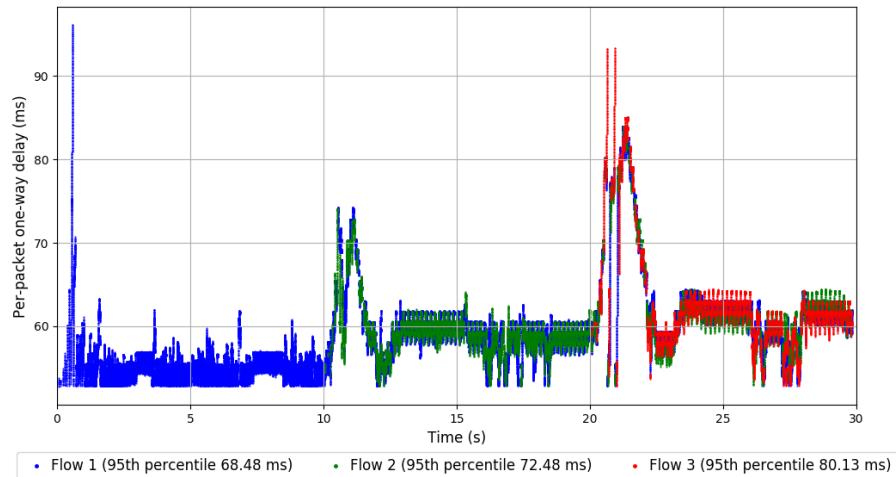
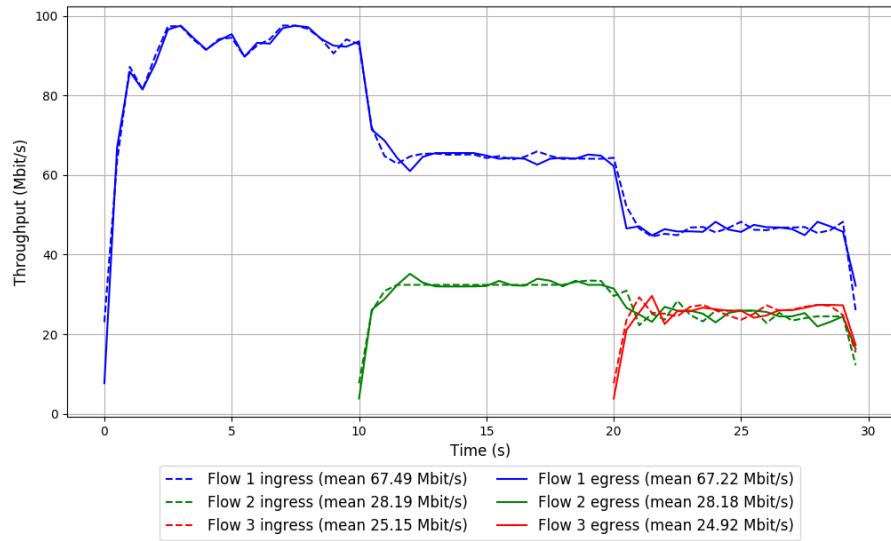


Run 6: Statistics of Indigo

```
Start at: 2017-09-22 00:25:40
End at: 2017-09-22 00:26:10
Local clock offset: -3.497 ms
Remote clock offset: 0.225 ms

# Below is generated by plot.py at 2017-09-22 02:42:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 70.302 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 68.482 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 72.484 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 80.126 ms
Loss rate: 0.90%
```

Run 6: Report of Indigo — Data Link

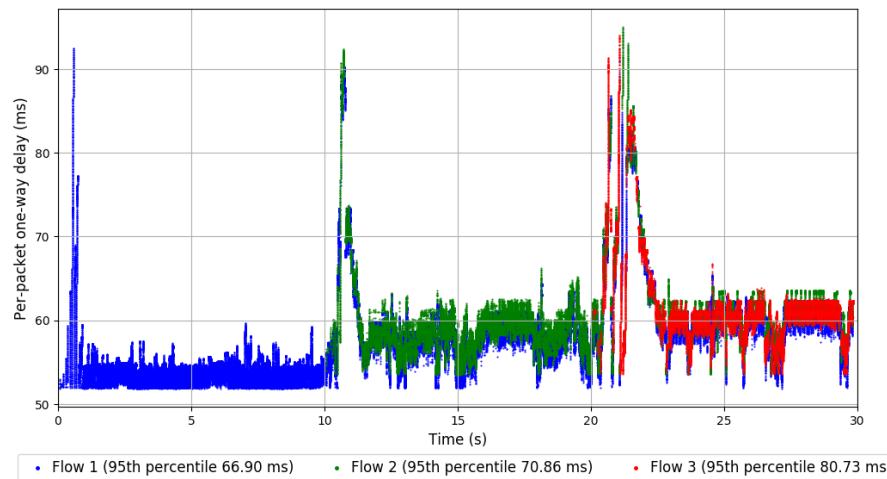
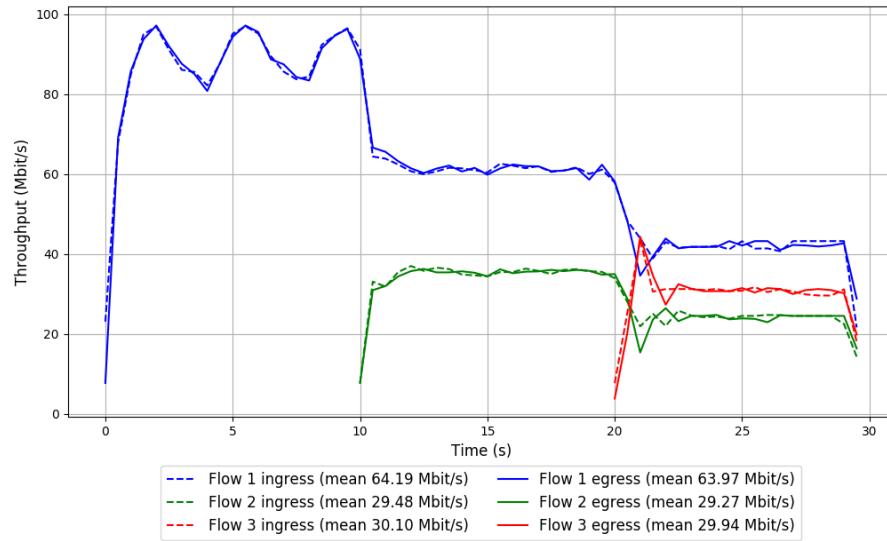


Run 7: Statistics of Indigo

```
Start at: 2017-09-22 00:46:39
End at: 2017-09-22 00:47:09
Local clock offset: -2.266 ms
Remote clock offset: 0.452 ms

# Below is generated by plot.py at 2017-09-22 02:42:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 69.484 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 66.899 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 70.855 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 80.732 ms
Loss rate: 0.51%
```

Run 7: Report of Indigo — Data Link

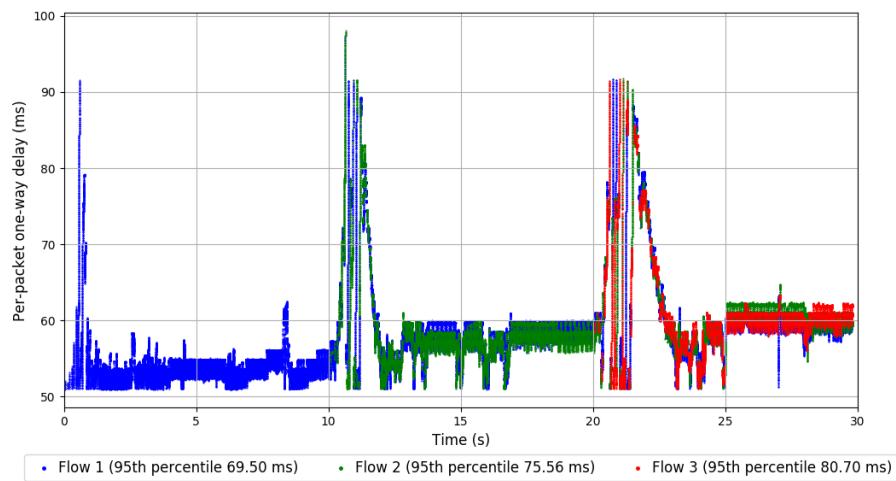
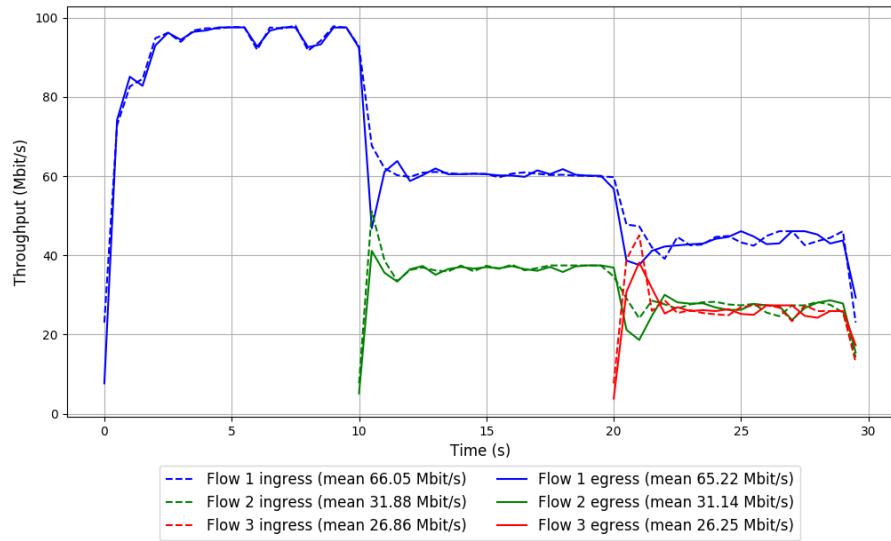


Run 8: Statistics of Indigo

```
Start at: 2017-09-22 01:08:00
End at: 2017-09-22 01:08:30
Local clock offset: -0.844 ms
Remote clock offset: -2.444 ms

# Below is generated by plot.py at 2017-09-22 02:42:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 73.452 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 69.497 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 75.555 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 80.704 ms
Loss rate: 2.24%
```

Run 8: Report of Indigo — Data Link

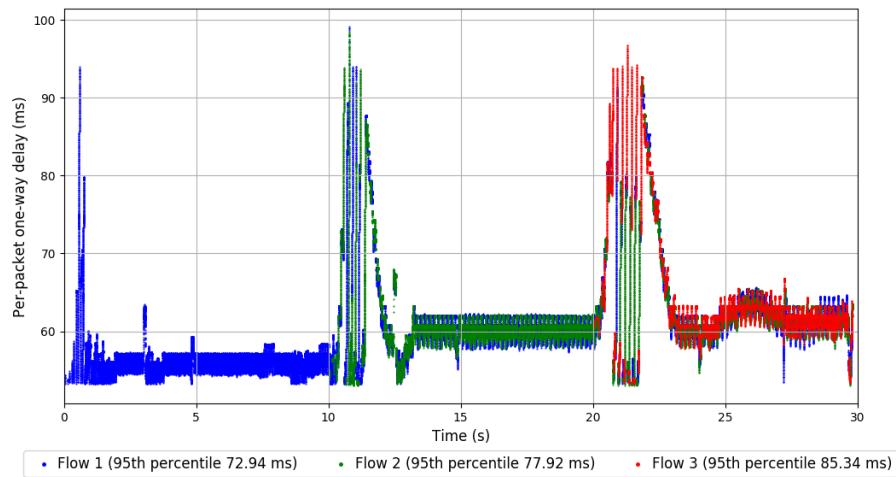
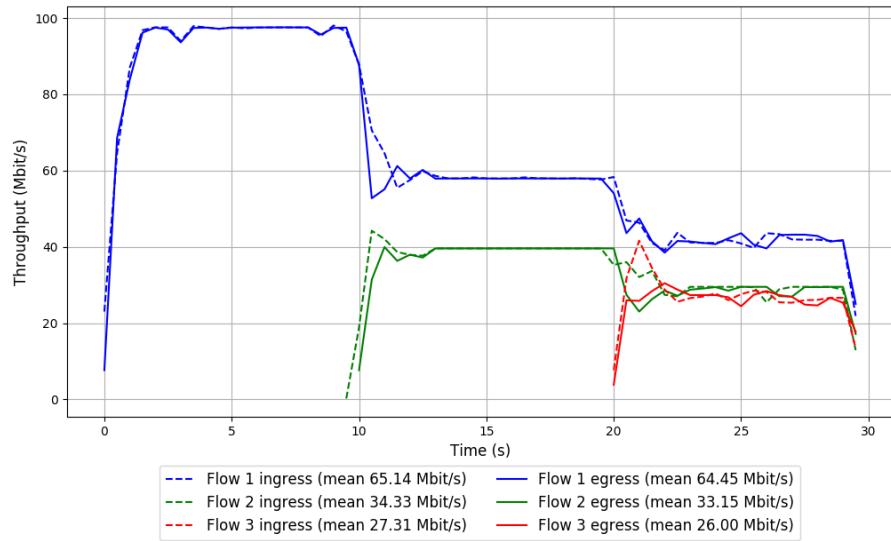


Run 9: Statistics of Indigo

```
Start at: 2017-09-22 01:28:24
End at: 2017-09-22 01:28:54
Local clock offset: -0.664 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2017-09-22 02:42:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 76.712 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 72.936 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 77.919 ms
Loss rate: 3.40%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 85.338 ms
Loss rate: 4.76%
```

Run 9: Report of Indigo — Data Link

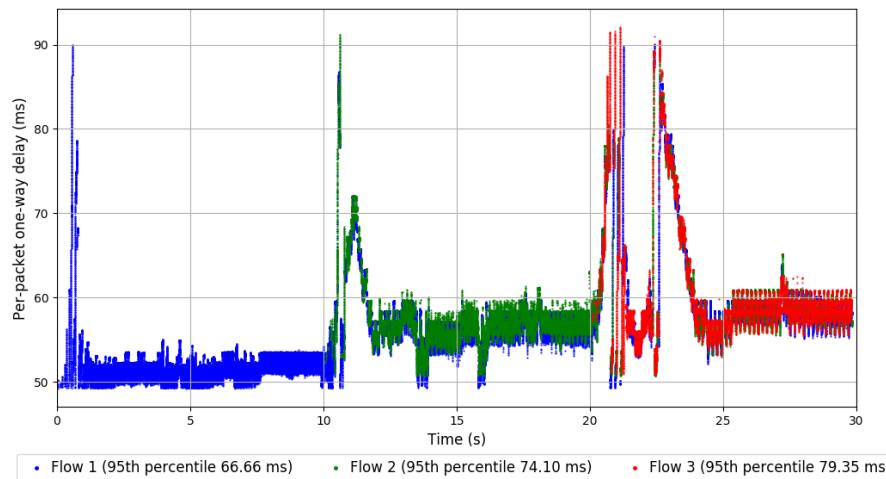
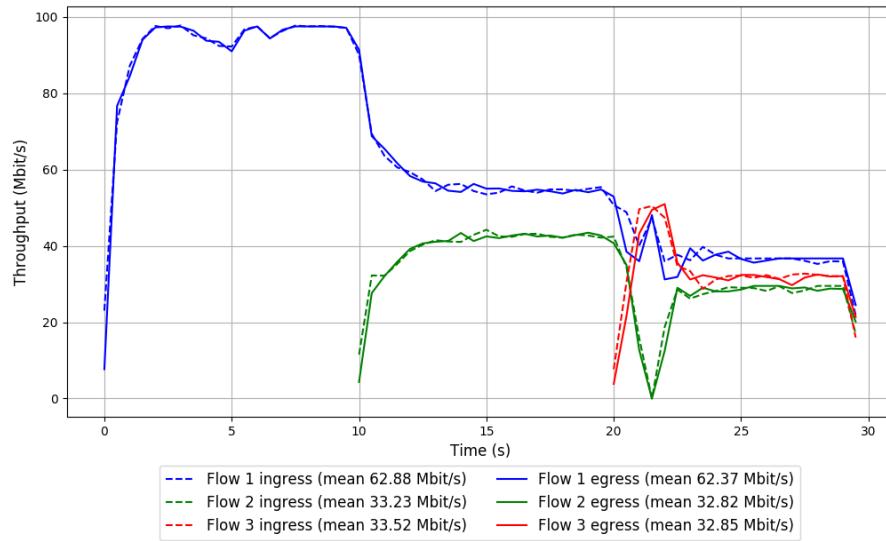


Run 10: Statistics of Indigo

```
Start at: 2017-09-22 01:48:47
End at: 2017-09-22 01:49:17
Local clock offset: 0.106 ms
Remote clock offset: -2.399 ms

# Below is generated by plot.py at 2017-09-22 02:42:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 70.544 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 66.664 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 74.102 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 79.350 ms
Loss rate: 2.00%
```

Run 10: Report of Indigo — Data Link

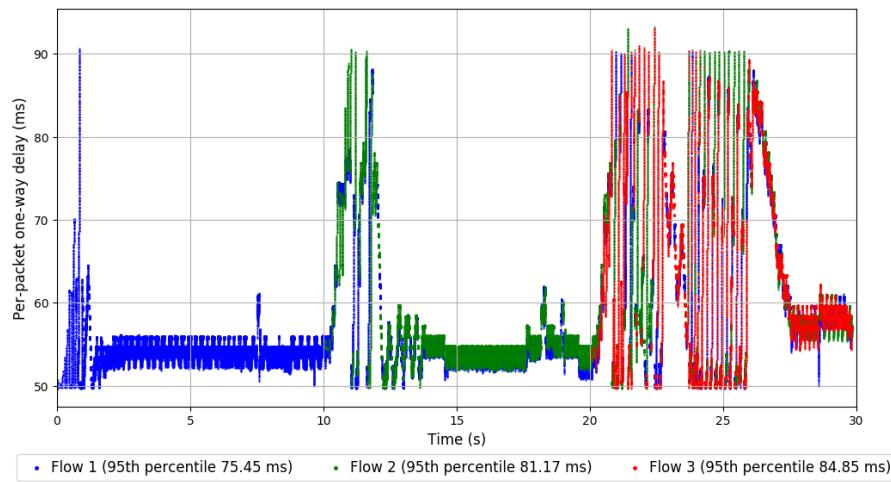
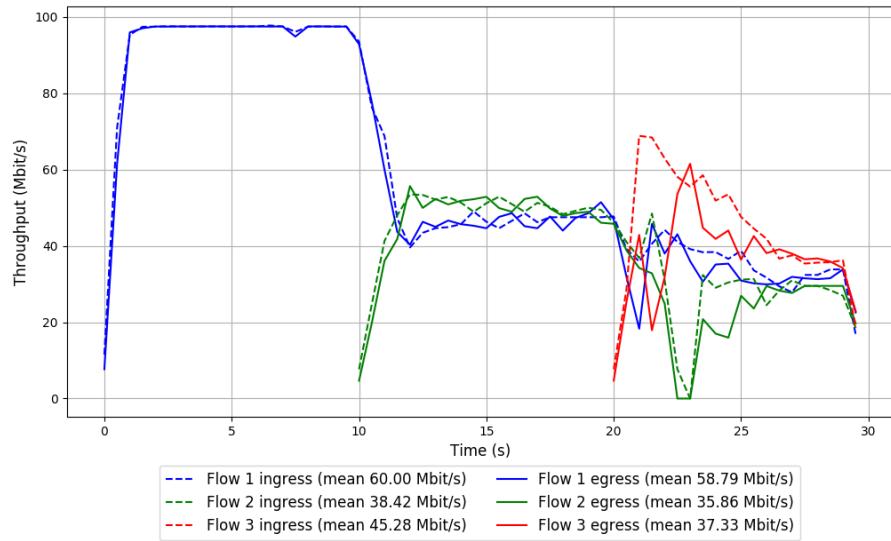


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 22:50:34
End at: 2017-09-21 22:51:04
Local clock offset: -1.58 ms
Remote clock offset: -2.148 ms

# Below is generated by plot.py at 2017-09-22 02:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 79.549 ms
Loss rate: 5.48%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 75.447 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 81.175 ms
Loss rate: 6.65%
-- Flow 3:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 84.852 ms
Loss rate: 17.52%
```

Run 1: Report of Indigo-calib — Data Link

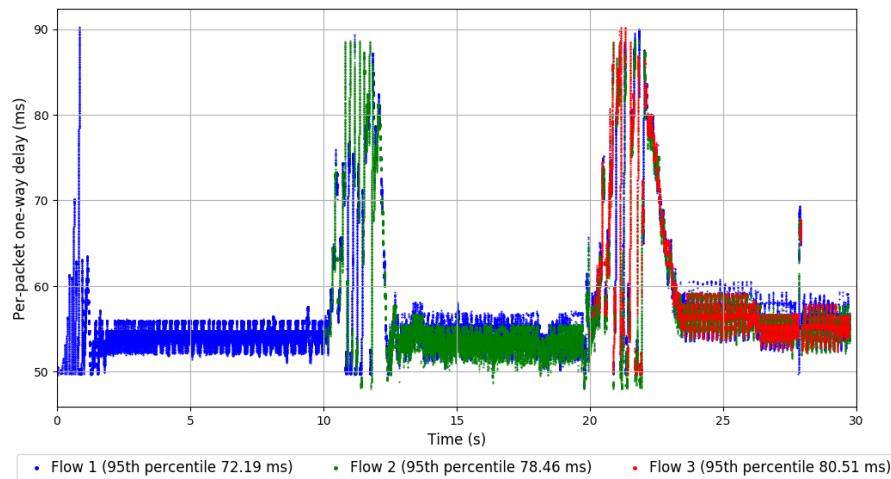
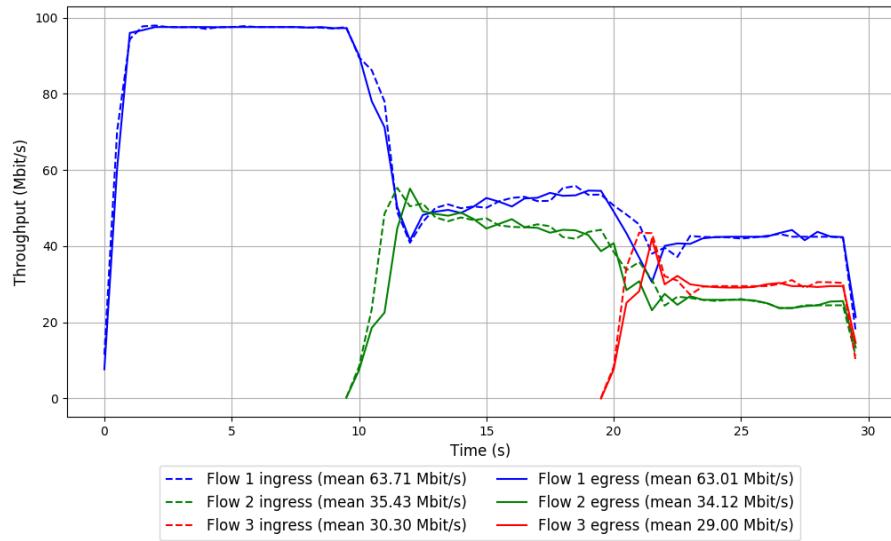


Run 2: Statistics of Indigo-calib

```
Start at: 2017-09-21 23:10:13
End at: 2017-09-21 23:10:43
Local clock offset: -2.433 ms
Remote clock offset: -2.656 ms

# Below is generated by plot.py at 2017-09-22 02:43:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 75.893 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 63.01 Mbit/s
95th percentile per-packet one-way delay: 72.188 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 78.458 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 80.514 ms
Loss rate: 4.27%
```

Run 2: Report of Indigo-calib — Data Link

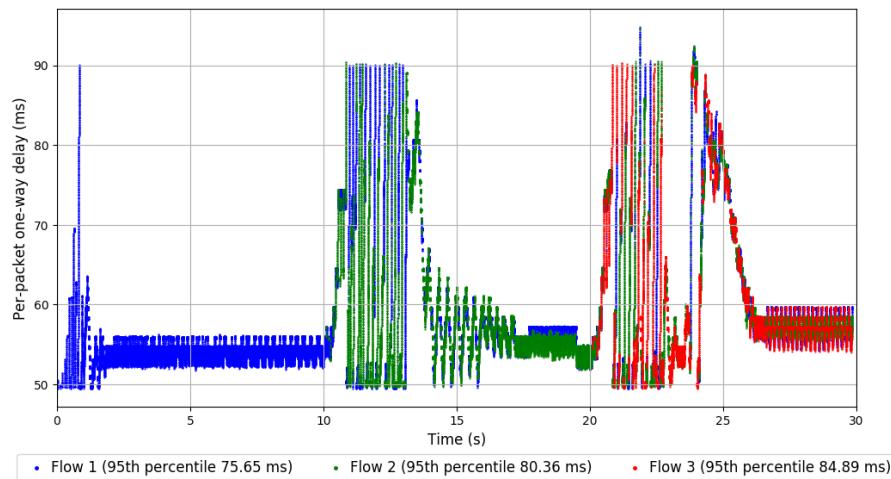
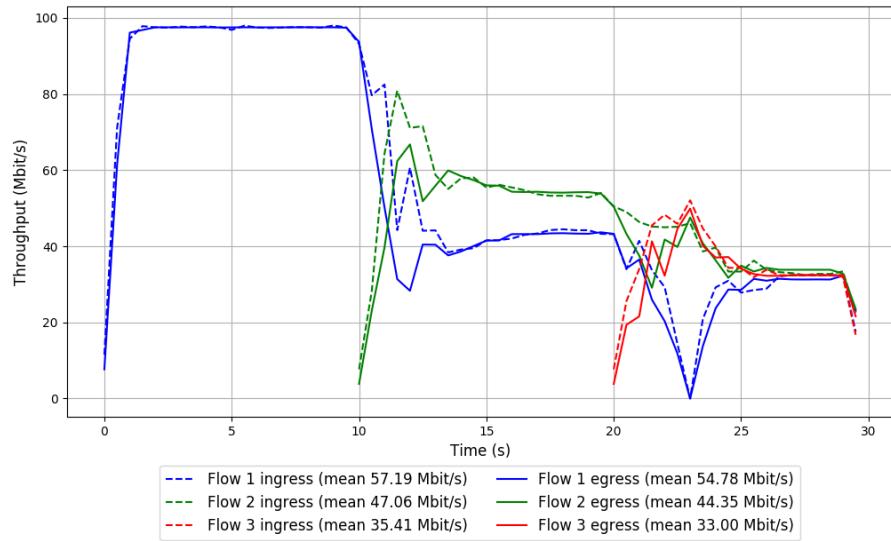


Run 3: Statistics of Indigo-calib

```
Start at: 2017-09-21 23:29:38
End at: 2017-09-21 23:30:08
Local clock offset: -3.249 ms
Remote clock offset: -2.916 ms

# Below is generated by plot.py at 2017-09-22 02:43:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 79.206 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 75.651 ms
Loss rate: 4.18%
-- Flow 2:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 80.363 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 84.893 ms
Loss rate: 6.78%
```

Run 3: Report of Indigo-calib — Data Link

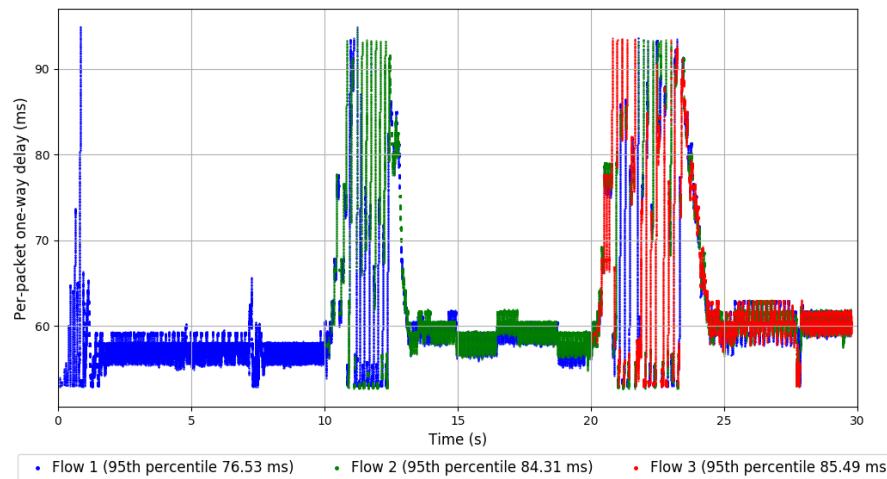
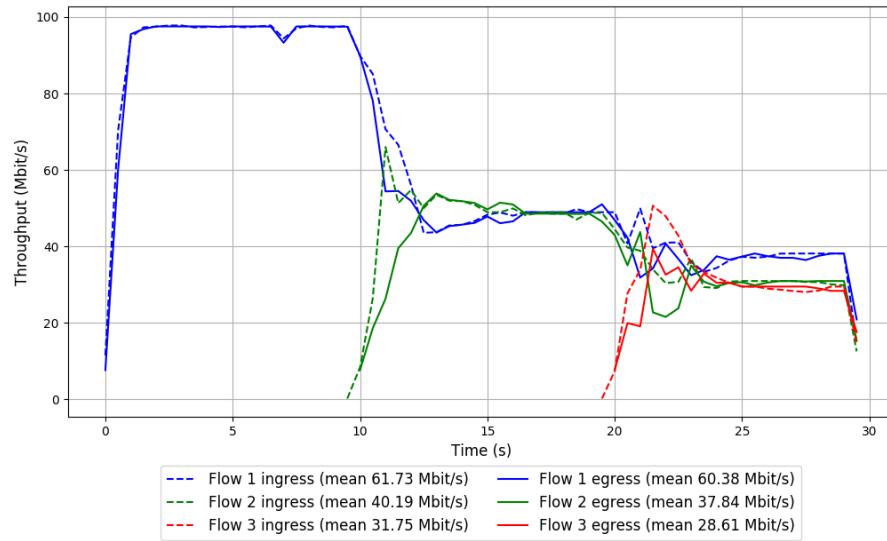


Run 4: Statistics of Indigo-calib

```
Start at: 2017-09-21 23:49:06
End at: 2017-09-21 23:49:36
Local clock offset: -3.62 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2017-09-22 02:43:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 81.247 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 76.533 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 84.307 ms
Loss rate: 5.83%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 85.491 ms
Loss rate: 9.88%
```

Run 4: Report of Indigo-calib — Data Link

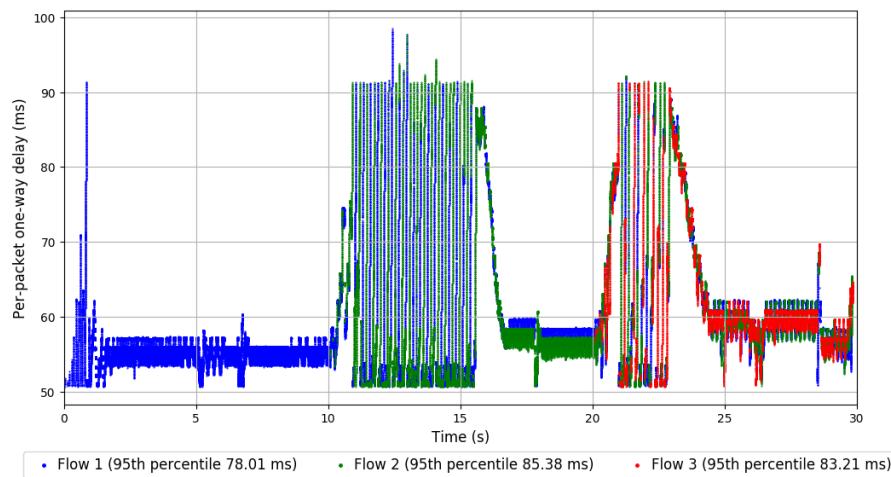
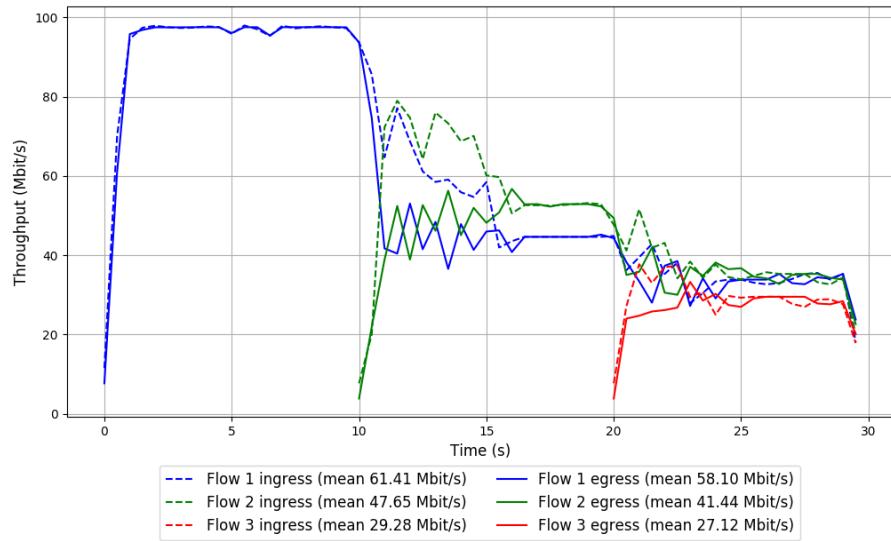


Run 5: Statistics of Indigo-calib

```
Start at: 2017-09-22 00:09:32
End at: 2017-09-22 00:10:02
Local clock offset: -3.667 ms
Remote clock offset: -1.805 ms

# Below is generated by plot.py at 2017-09-22 02:43:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 82.419 ms
Loss rate: 7.90%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 78.013 ms
Loss rate: 5.37%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 85.383 ms
Loss rate: 12.98%
-- Flow 3:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 83.214 ms
Loss rate: 7.32%
```

Run 5: Report of Indigo-calib — Data Link

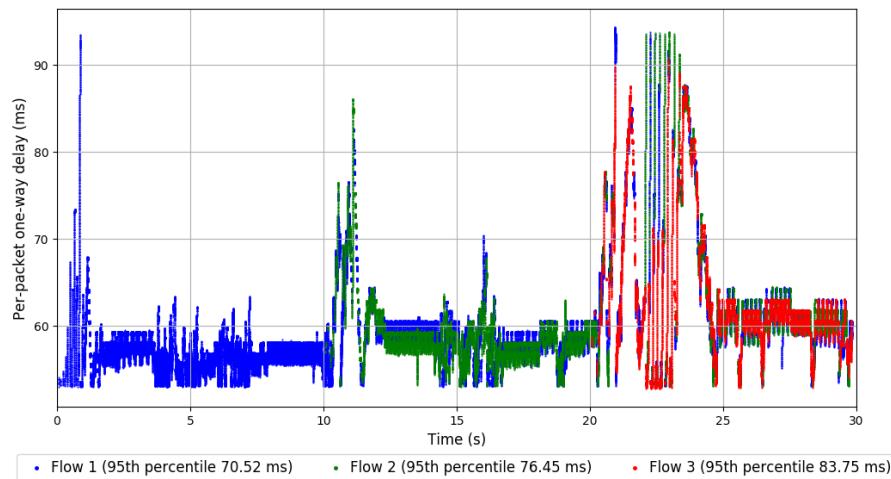
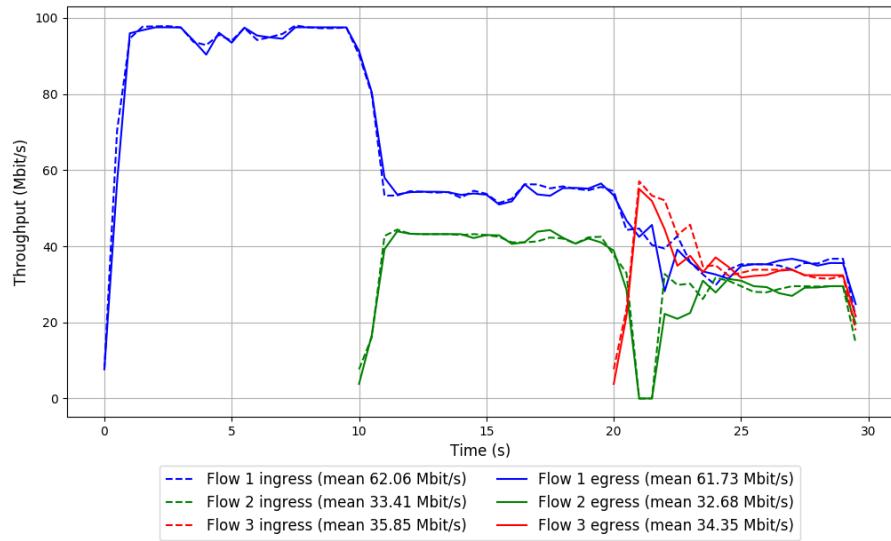


Run 6: Statistics of Indigo-calib

```
Start at: 2017-09-22 00:30:23
End at: 2017-09-22 00:30:53
Local clock offset: -3.189 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2017-09-22 02:43:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 76.341 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 70.518 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 76.450 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 83.750 ms
Loss rate: 4.17%
```

Run 6: Report of Indigo-calib — Data Link

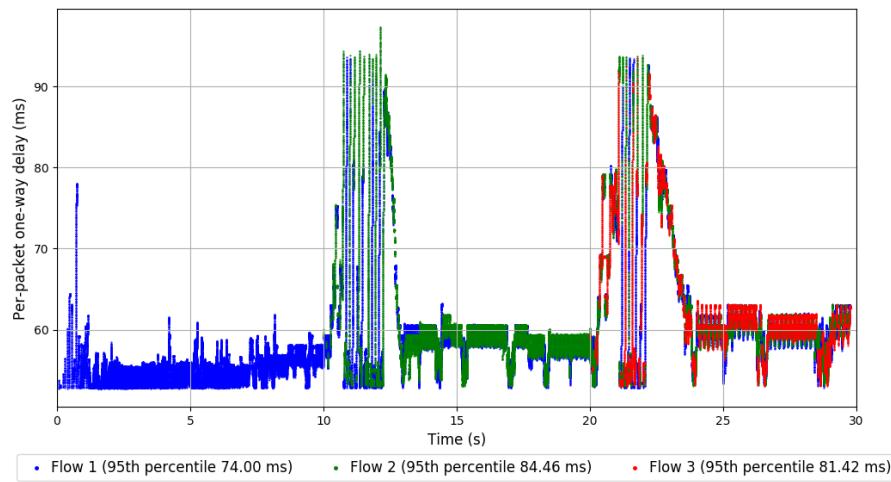
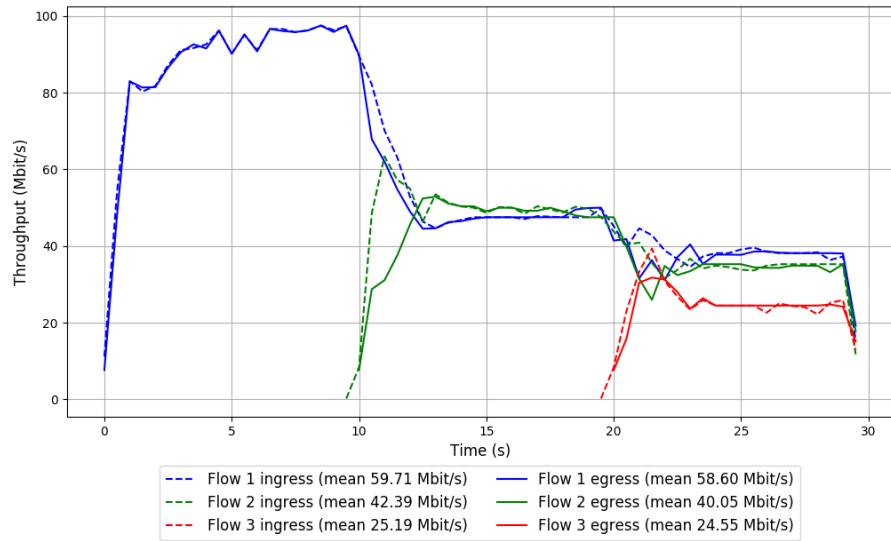


Run 7: Statistics of Indigo-calib

```
Start at: 2017-09-22 00:51:37
End at: 2017-09-22 00:52:07
Local clock offset: -2.038 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2017-09-22 02:44:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 78.606 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 73.999 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 84.458 ms
Loss rate: 5.51%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 81.418 ms
Loss rate: 2.50%
```

Run 7: Report of Indigo-calib — Data Link

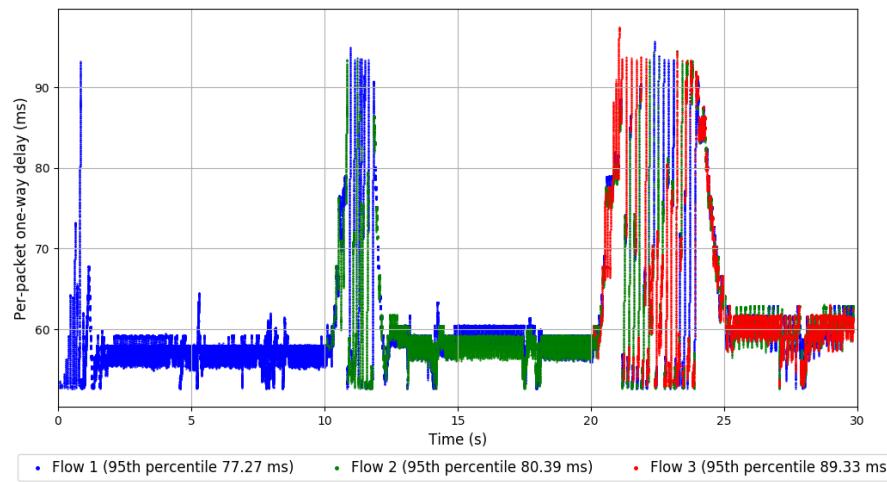
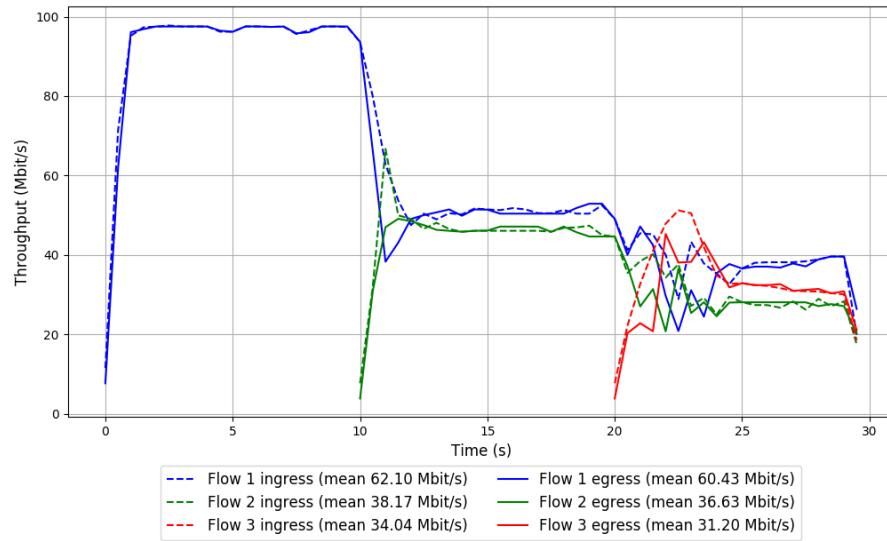


Run 8: Statistics of Indigo-calib

```
Start at: 2017-09-22 01:12:36
End at: 2017-09-22 01:13:06
Local clock offset: -0.623 ms
Remote clock offset: -0.36 ms

# Below is generated by plot.py at 2017-09-22 02:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 79.866 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 77.268 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 80.385 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 89.332 ms
Loss rate: 8.33%
```

Run 8: Report of Indigo-calib — Data Link

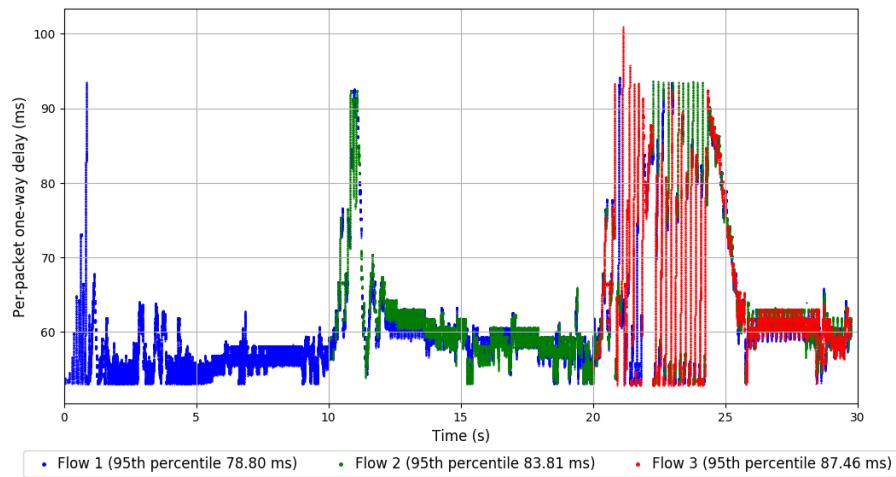
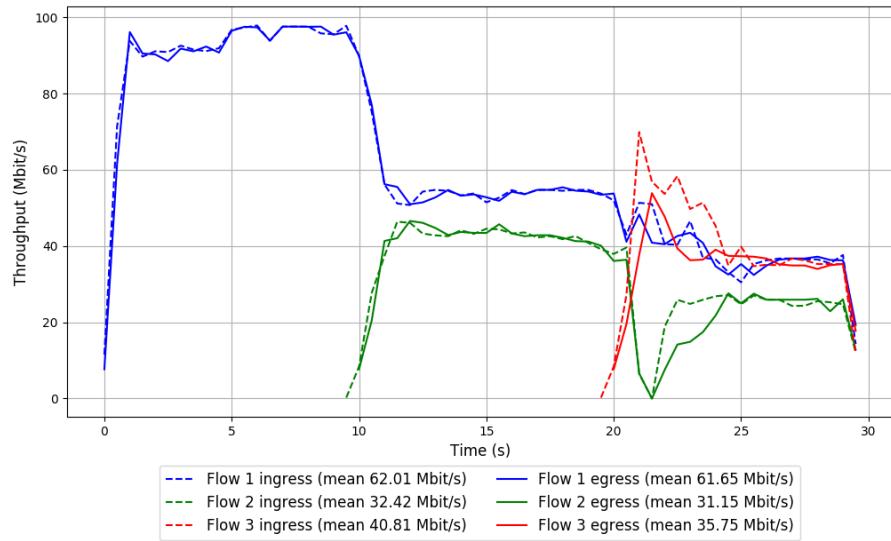


Run 9: Statistics of Indigo-calib

```
Start at: 2017-09-22 01:32:44
End at: 2017-09-22 01:33:14
Local clock offset: -0.848 ms
Remote clock offset: -0.431 ms

# Below is generated by plot.py at 2017-09-22 02:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 83.149 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 78.798 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 83.811 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 87.456 ms
Loss rate: 12.35%
```

Run 9: Report of Indigo-calib — Data Link

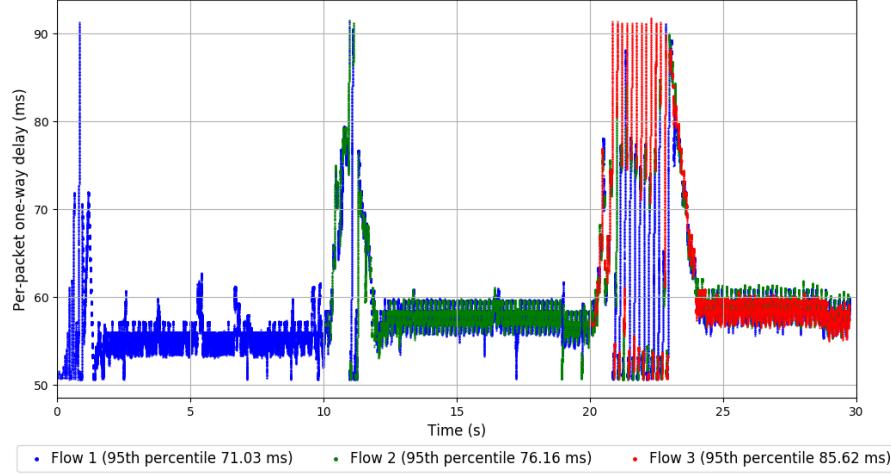
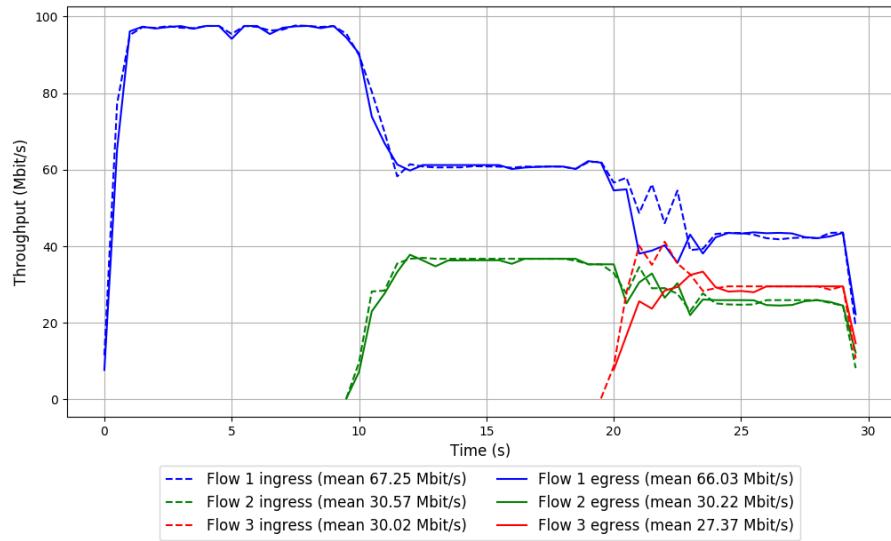


Run 10: Statistics of Indigo-calib

```
Start at: 2017-09-22 01:53:09
End at: 2017-09-22 01:53:39
Local clock offset: 0.414 ms
Remote clock offset: -2.263 ms

# Below is generated by plot.py at 2017-09-22 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 75.255 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 71.027 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 76.156 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 85.617 ms
Loss rate: 8.81%
```

Run 10: Report of Indigo-calib — Data Link

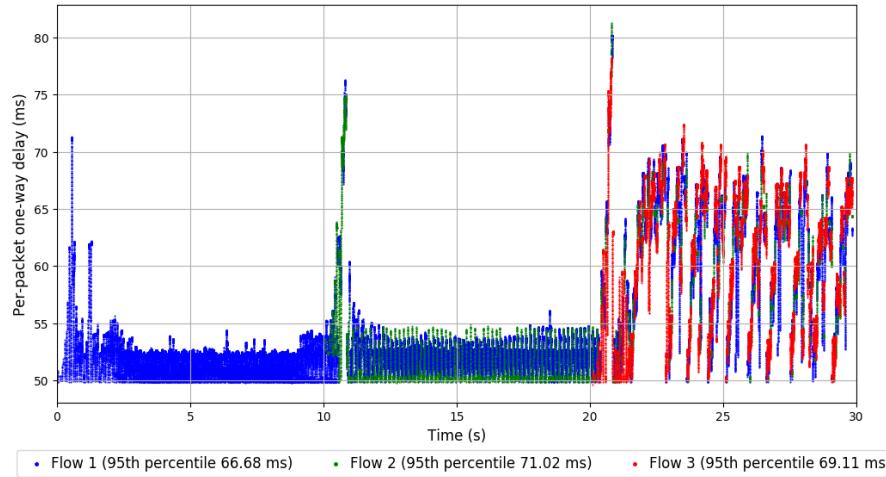
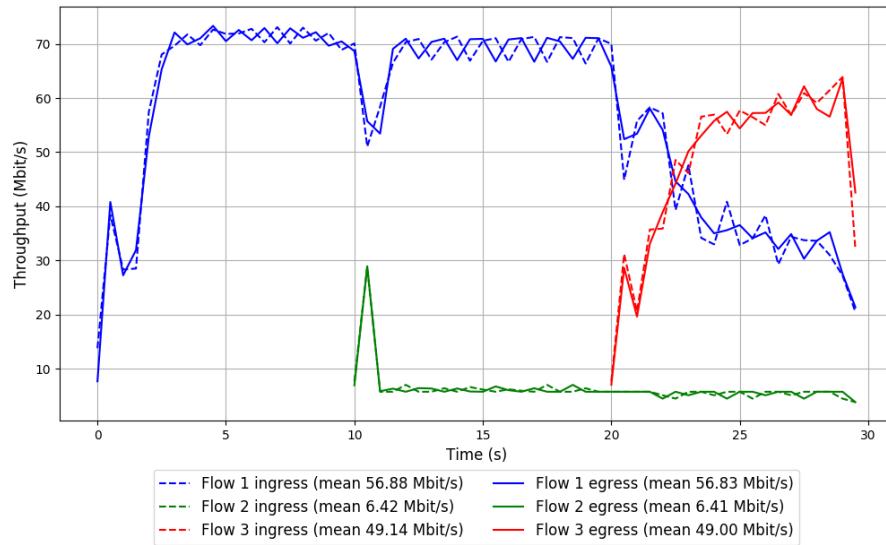


Run 1: Statistics of Indigo-delay

```
Start at: 2017-09-21 22:49:08
End at: 2017-09-21 22:49:38
Local clock offset: -1.604 ms
Remote clock offset: -2.057 ms

# Below is generated by plot.py at 2017-09-22 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.11 Mbit/s
95th percentile per-packet one-way delay: 67.924 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 66.680 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 71.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 69.107 ms
Loss rate: 0.11%
```

Run 1: Report of Indigo-delay — Data Link

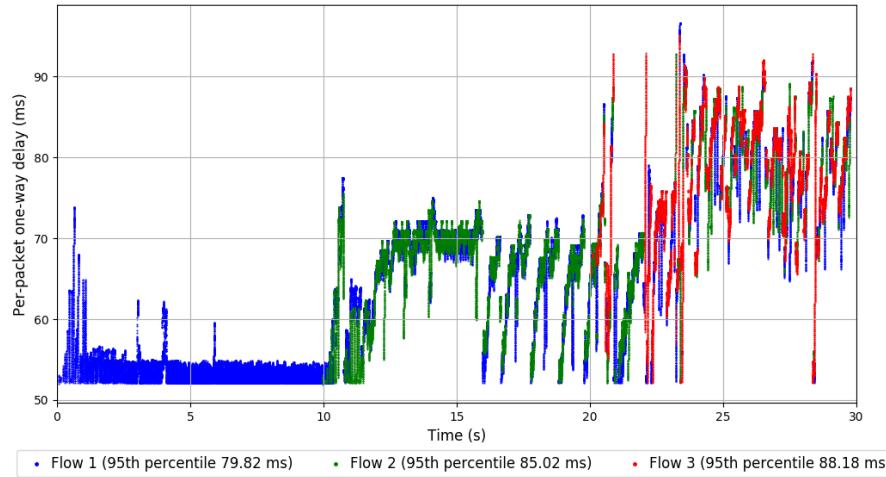
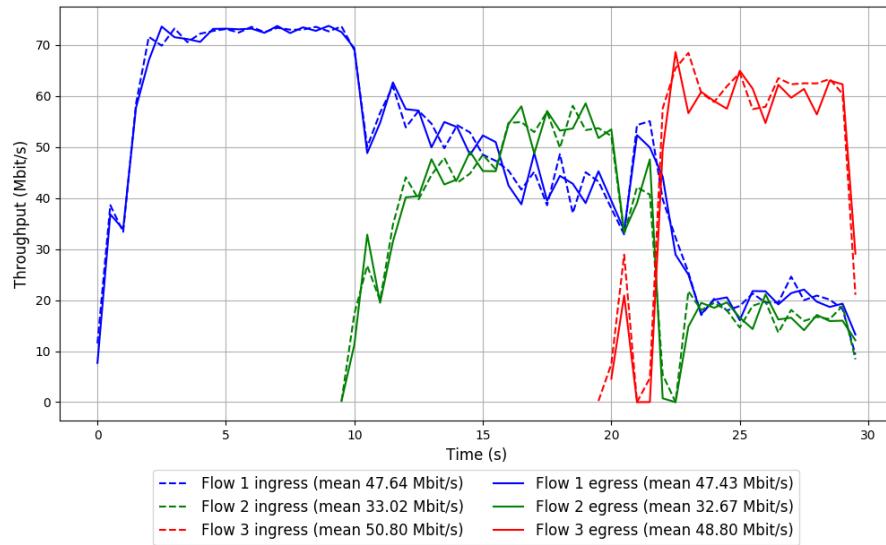


Run 2: Statistics of Indigo-delay

```
Start at: 2017-09-21 23:08:48
End at: 2017-09-21 23:09:18
Local clock offset: -2.37 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2017-09-22 02:44:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 85.110 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 79.822 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 85.022 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 88.177 ms
Loss rate: 3.71%
```

Run 2: Report of Indigo-delay — Data Link

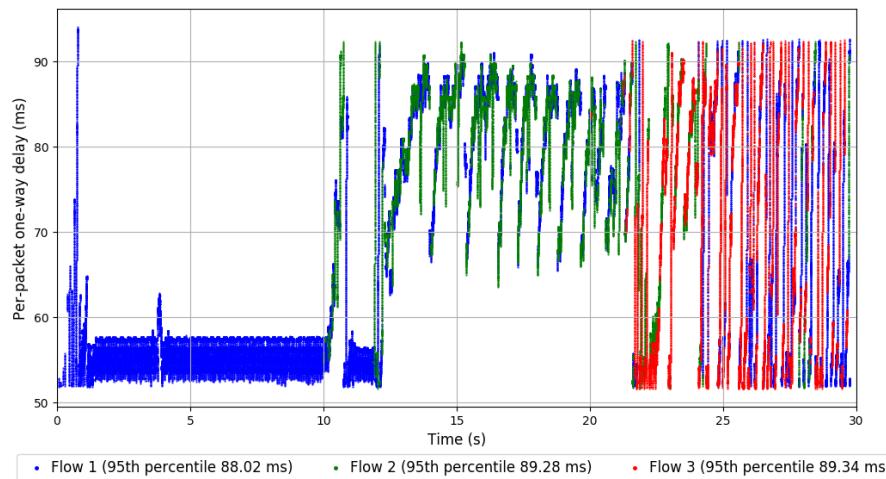
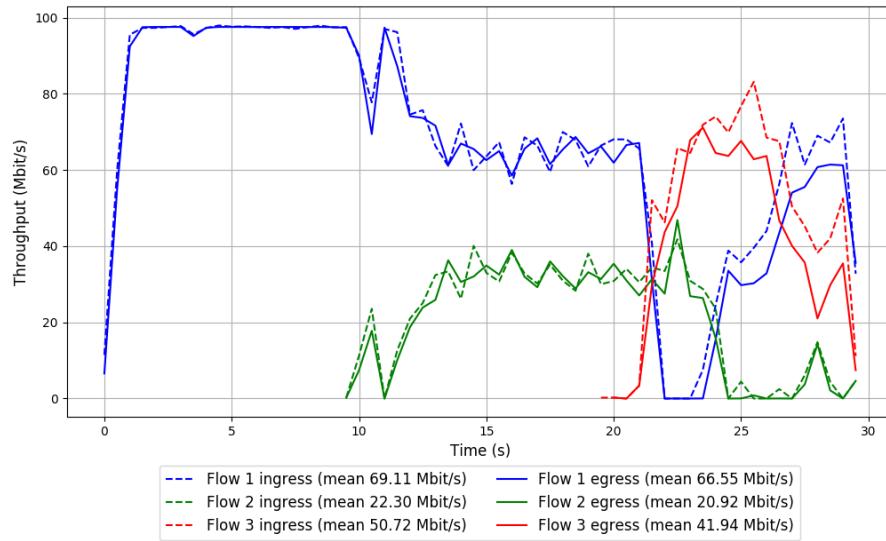


Run 3: Statistics of Indigo-delay

```
Start at: 2017-09-21 23:28:13
End at: 2017-09-21 23:28:43
Local clock offset: -3.21 ms
Remote clock offset: -0.723 ms

# Below is generated by plot.py at 2017-09-22 02:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 88.234 ms
Loss rate: 6.42%
-- Flow 1:
Average throughput: 66.55 Mbit/s
95th percentile per-packet one-way delay: 88.015 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 20.92 Mbit/s
95th percentile per-packet one-way delay: 89.280 ms
Loss rate: 5.98%
-- Flow 3:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 89.336 ms
Loss rate: 18.16%
```

Run 3: Report of Indigo-delay — Data Link

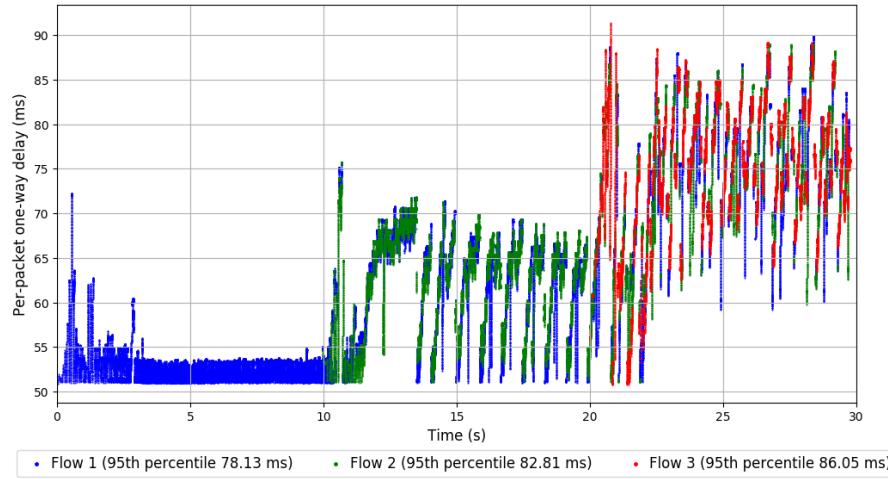
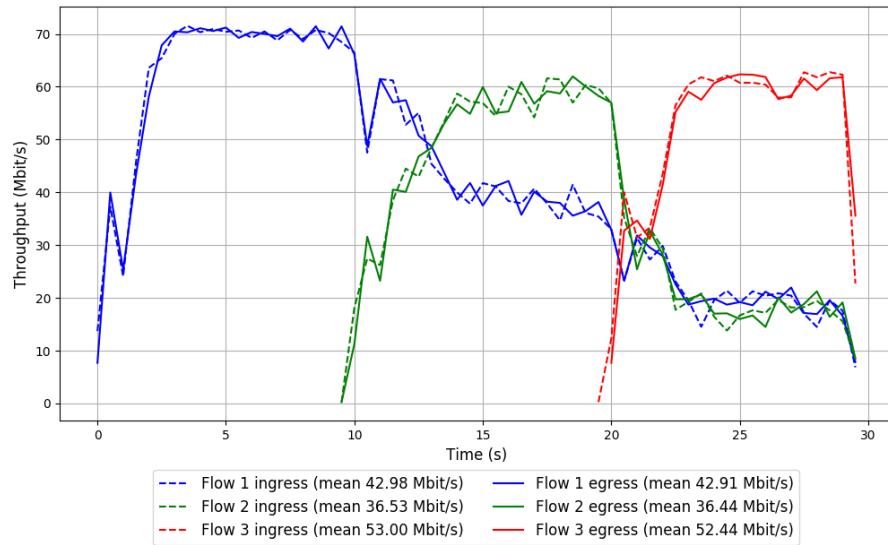


Run 4: Statistics of Indigo-delay

```
Start at: 2017-09-21 23:47:38
End at: 2017-09-21 23:48:08
Local clock offset: -3.703 ms
Remote clock offset: -1.86 ms

# Below is generated by plot.py at 2017-09-22 02:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 83.009 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 78.128 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 82.815 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 86.054 ms
Loss rate: 0.84%
```

Run 4: Report of Indigo-delay — Data Link

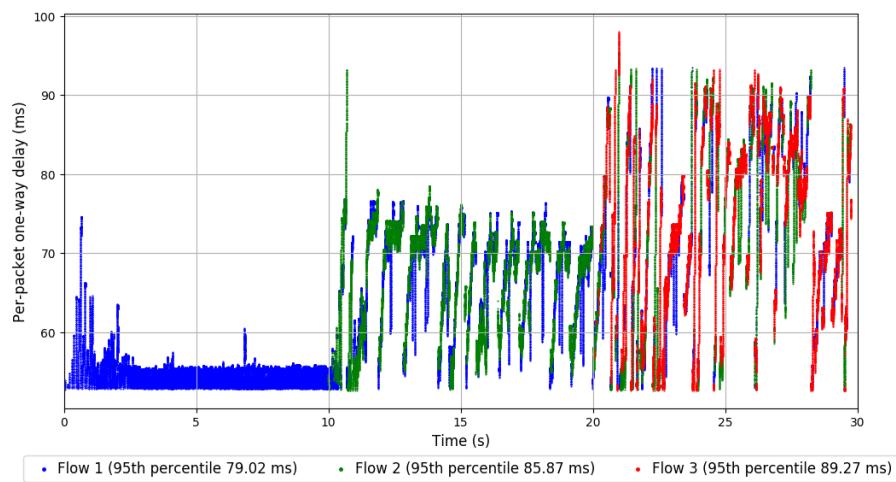
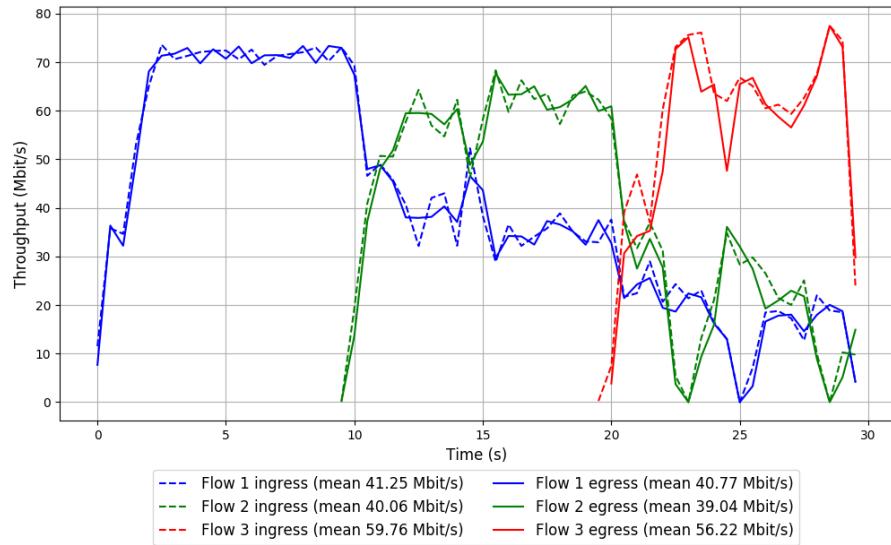


Run 5: Statistics of Indigo-delay

```
Start at: 2017-09-22 00:08:01
End at: 2017-09-22 00:08:31
Local clock offset: -3.586 ms
Remote clock offset: 0.215 ms

# Below is generated by plot.py at 2017-09-22 02:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 79.018 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 85.867 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 89.274 ms
Loss rate: 5.74%
```

Run 5: Report of Indigo-delay — Data Link

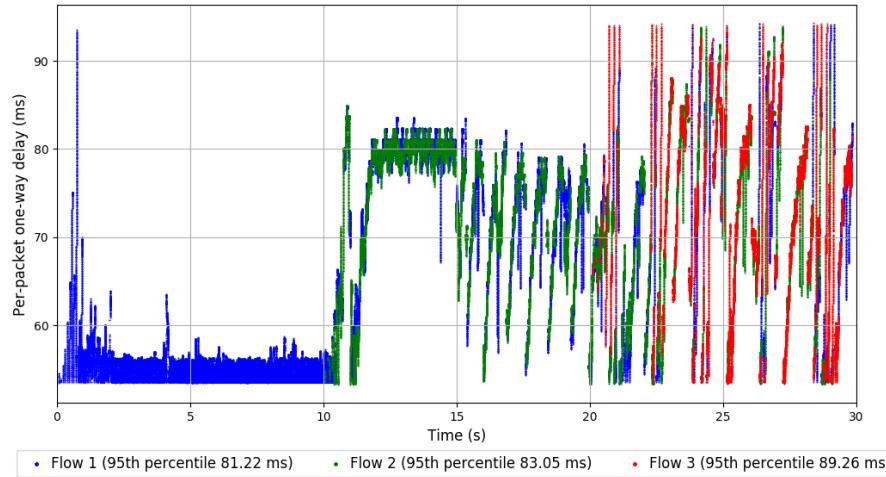
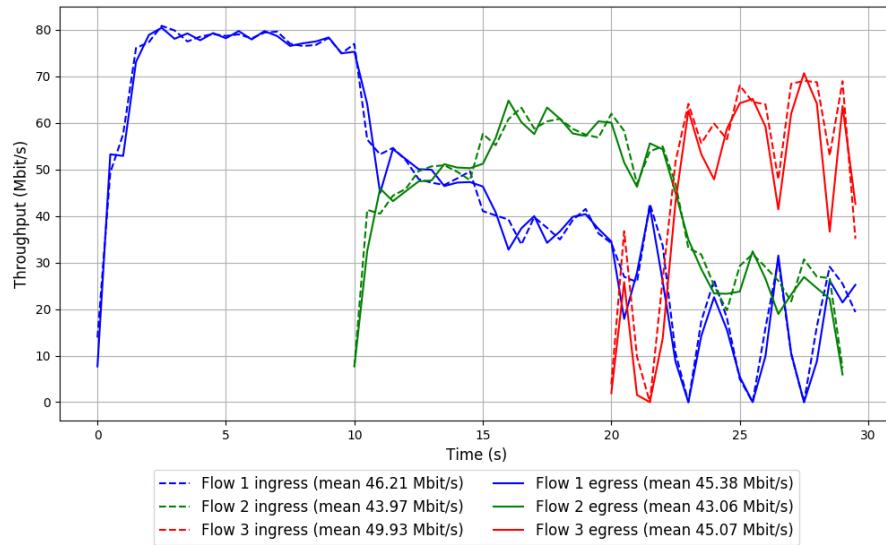


Run 6: Statistics of Indigo-delay

```
Start at: 2017-09-22 00:28:47
End at: 2017-09-22 00:29:17
Local clock offset: -3.294 ms
Remote clock offset: 0.765 ms

# Below is generated by plot.py at 2017-09-22 02:45:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 83.740 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 81.220 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 83.048 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 89.261 ms
Loss rate: 9.66%
```

Run 6: Report of Indigo-delay — Data Link

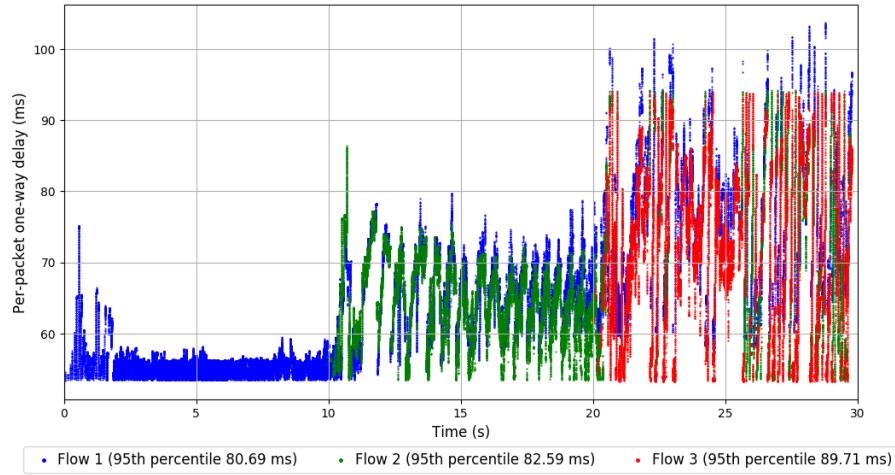
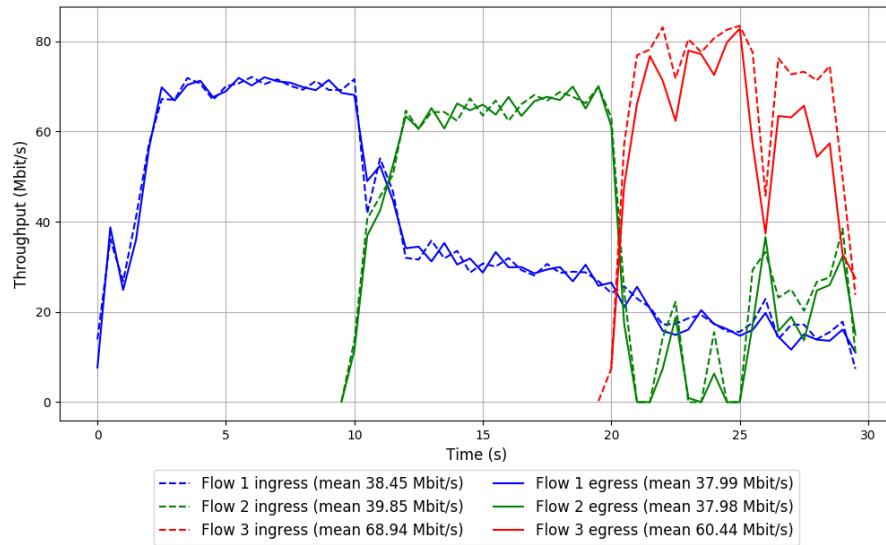


Run 7: Statistics of Indigo-delay

```
Start at: 2017-09-22 00:50:00
End at: 2017-09-22 00:50:30
Local clock offset: -2.14 ms
Remote clock offset: 0.371 ms

# Below is generated by plot.py at 2017-09-22 02:45:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.11 Mbit/s
95th percentile per-packet one-way delay: 85.862 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 80.693 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 82.586 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 89.710 ms
Loss rate: 12.13%
```

Run 7: Report of Indigo-delay — Data Link

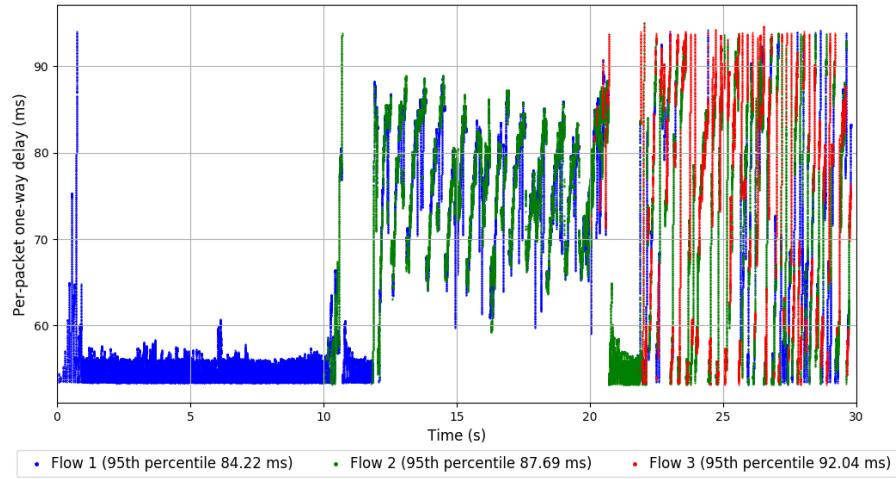
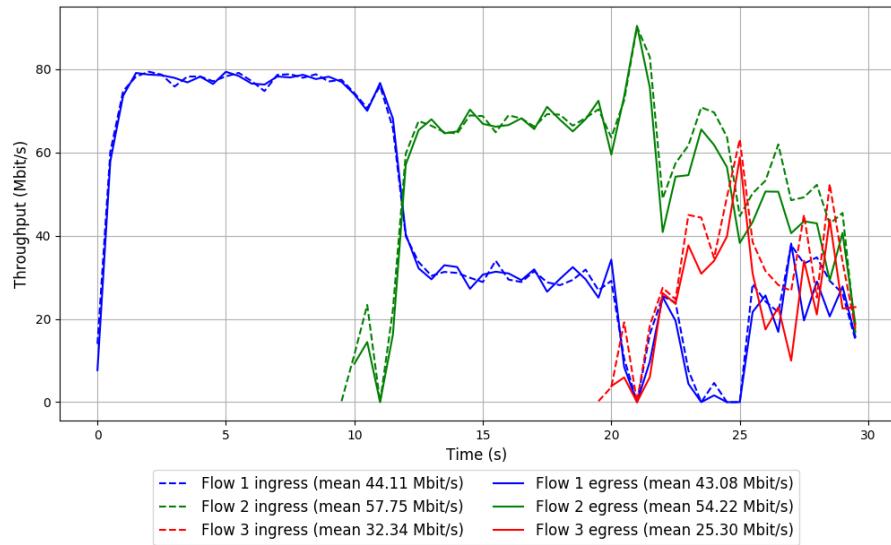


Run 8: Statistics of Indigo-delay

```
Start at: 2017-09-22 01:11:07
End at: 2017-09-22 01:11:37
Local clock offset: -0.761 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2017-09-22 02:45:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 87.588 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 84.225 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 87.685 ms
Loss rate: 6.02%
-- Flow 3:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 92.036 ms
Loss rate: 21.74%
```

Run 8: Report of Indigo-delay — Data Link

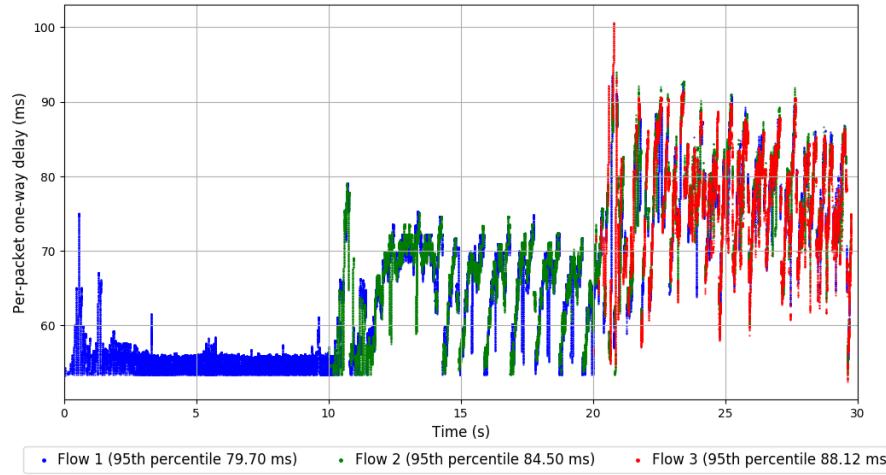
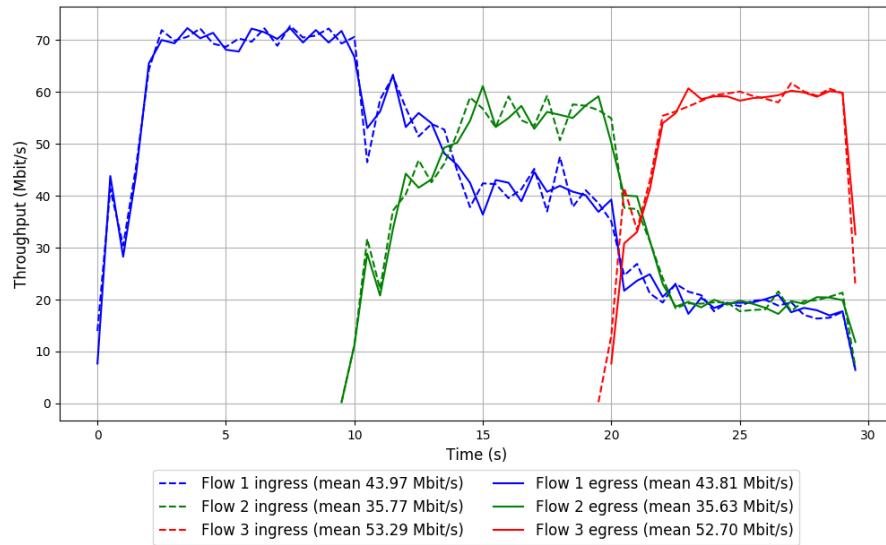


Run 9: Statistics of Indigo-delay

```
Start at: 2017-09-22 01:31:17
End at: 2017-09-22 01:31:47
Local clock offset: -0.818 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2017-09-22 02:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 84.814 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 79.700 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 84.500 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 88.123 ms
Loss rate: 0.94%
```

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

```
Start at: 2017-09-22 01:51:41
End at: 2017-09-22 01:52:11
Local clock offset: 0.235 ms
Remote clock offset: -2.27 ms

# Below is generated by plot.py at 2017-09-22 02:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 84.950 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 72.190 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 85.391 ms
Loss rate: 3.92%
-- Flow 3:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 87.143 ms
Loss rate: 13.63%
```

Run 10: Report of Indigo-delay — Data Link

