

Pantheon Report

Generated at 2018-03-13 21:46:31 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).

Repeated the test of 17 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).

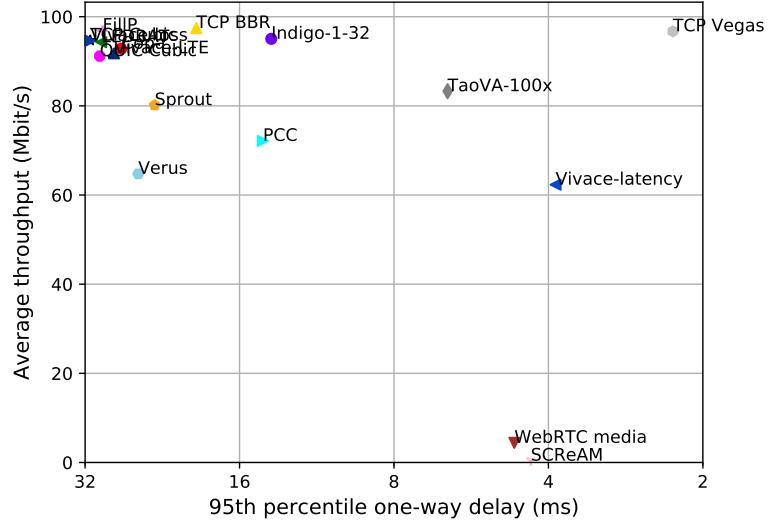
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

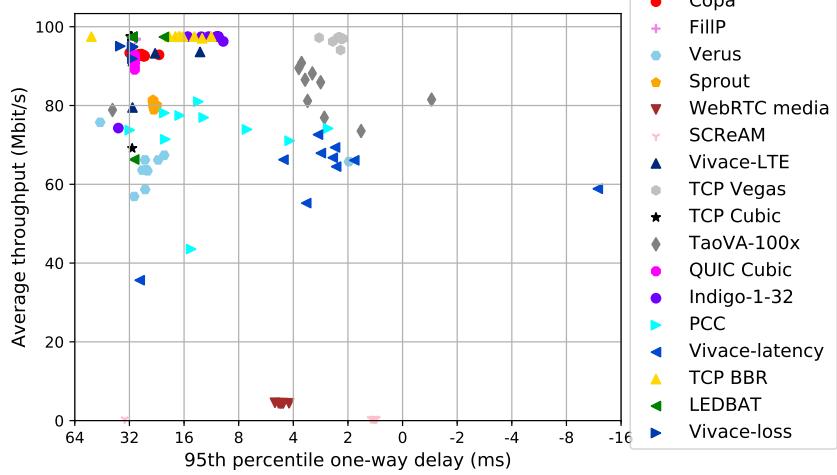
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bfff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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 @ f1a14bf7e749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



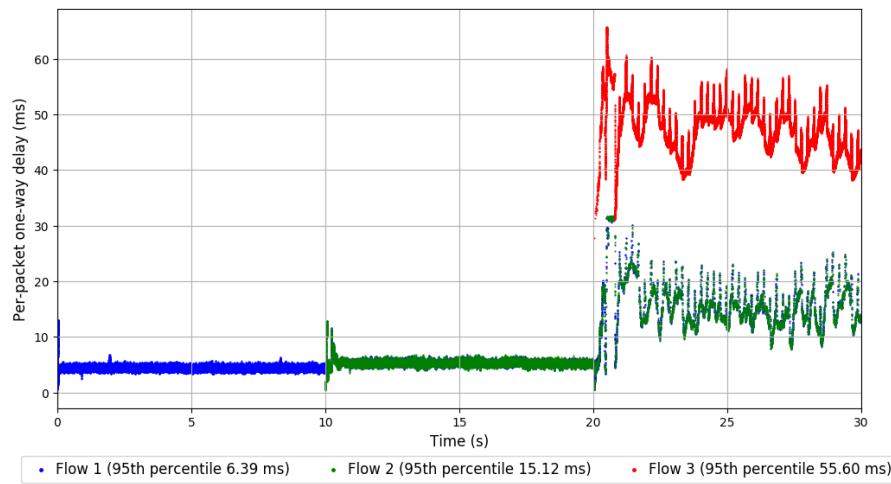
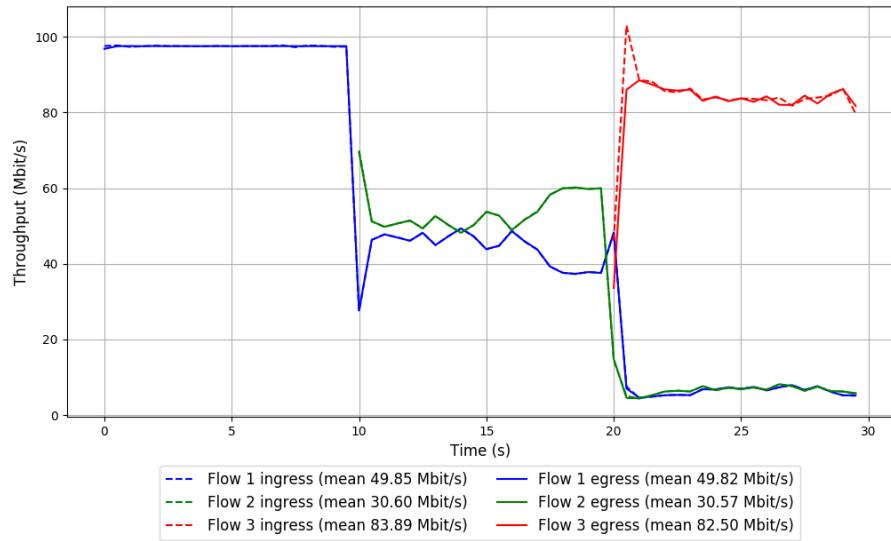
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	66.79	35.21	21.76	14.83	15.26	21.05	0.56	0.02	0.19
TCP Cubic	10	62.03	36.31	25.59	30.97	31.32	31.37	0.55	0.08	0.15
LEDBAT	10	57.50	39.29	32.11	28.79	29.63	32.97	0.51	0.08	0.14
PCC	10	48.06	29.43	13.72	9.57	18.38	23.45	0.58	0.09	0.39
QUIC Cubic	10	59.35	33.08	30.25	29.88	30.06	30.09	0.16	0.30	0.24
SCReAM	10	0.22	0.21	0.20	1.03	1.02	4.78	0.02	0.31	0.41
WebRTC media	10	2.37	1.49	0.56	4.39	4.62	5.74	0.45	0.44	0.03
Sprout	10	43.47	39.62	31.30	21.66	23.47	25.31	0.01	0.44	0.01
TaoVA-100x	10	52.34	38.09	16.84	6.15	2.94	9.52	0.53	1.92	0.98
TCP Vegas	10	55.94	39.48	43.67	2.21	2.38	2.42	0.01	0.44	0.50
Verus	10	38.23	26.74	26.41	20.22	25.67	29.75	5.96	9.42	12.59
Copa	10	49.30	36.25	59.65	14.56	22.27	27.90	0.05	0.07	9.03
FillP	10	58.30	41.69	32.90	29.57	29.61	29.62	16.48	22.71	29.65
Indigo-1-32	10	40.44	49.40	67.16	13.26	10.44	11.58	0.54	0.02	0.03
Vivace-latency	10	37.83	25.57	22.71	3.68	2.20	8.73	0.05	1.42	0.09
Vivace-loss	10	69.19	28.84	19.06	31.27	32.22	30.64	6.39	3.86	2.98
Vivace-LTE	10	59.10	38.04	22.41	27.21	30.94	30.15	0.80	1.18	1.76

Run 1: Statistics of TCP BBR

```
Start at: 2018-03-13 17:31:36
End at: 2018-03-13 17:32:06
Local clock offset: -3.681 ms
Remote clock offset: -7.05 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 51.855 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 6.390 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 15.115 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 55.605 ms
Loss rate: 1.79%
```

Run 1: Report of TCP BBR — Data Link

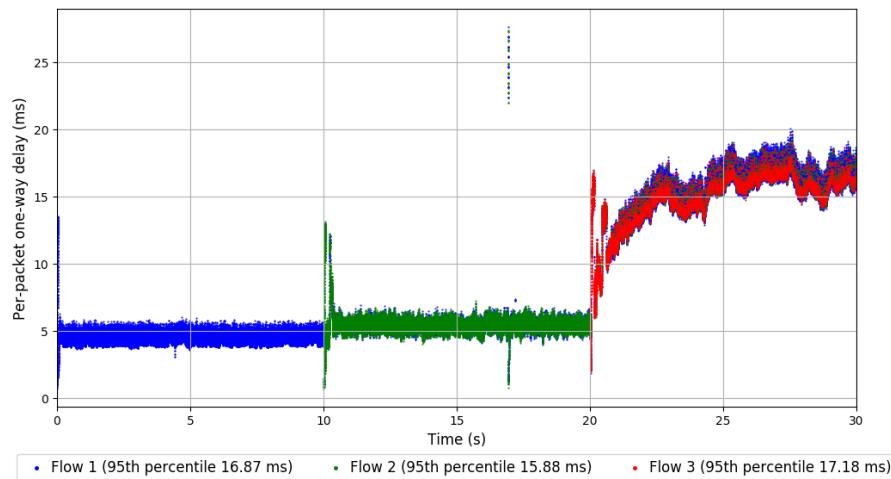
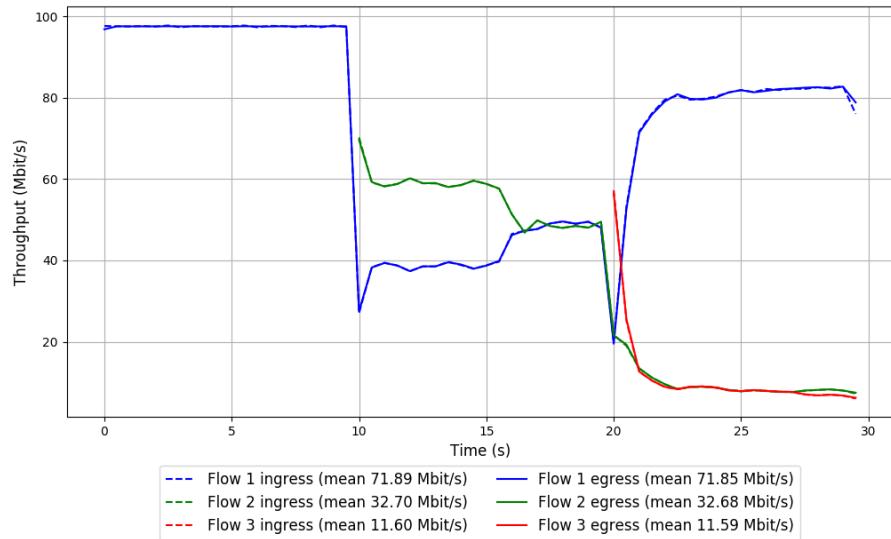


Run 2: Statistics of TCP BBR

```
Start at: 2018-03-13 17:52:04
End at: 2018-03-13 17:52:34
Local clock offset: -6.91 ms
Remote clock offset: -7.462 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 16.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 16.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 15.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 17.185 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link

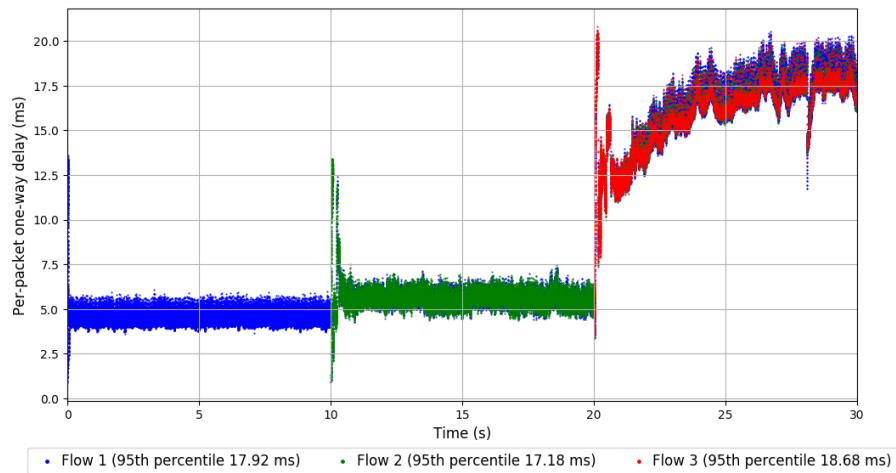
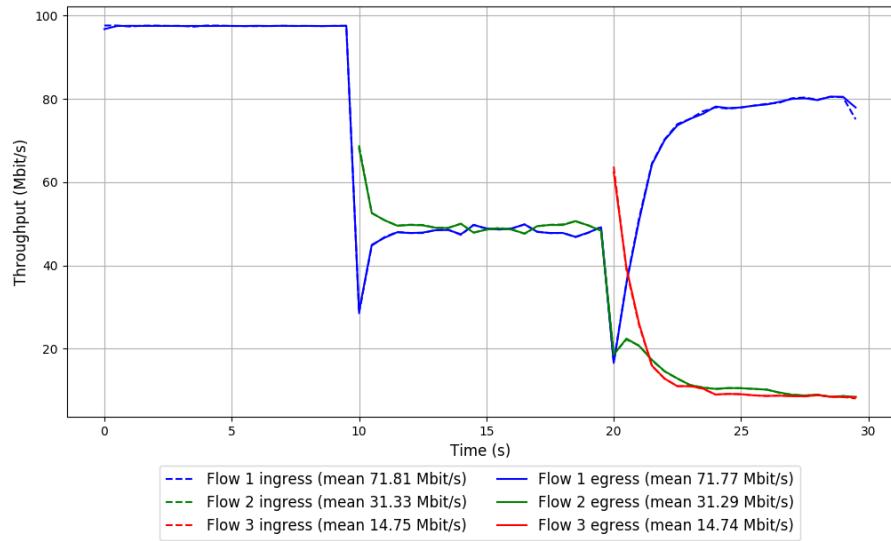


Run 3: Statistics of TCP BBR

```
Start at: 2018-03-13 18:12:31
End at: 2018-03-13 18:13:01
Local clock offset: -7.055 ms
Remote clock offset: -7.75 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 17.879 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 17.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 17.181 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 18.679 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

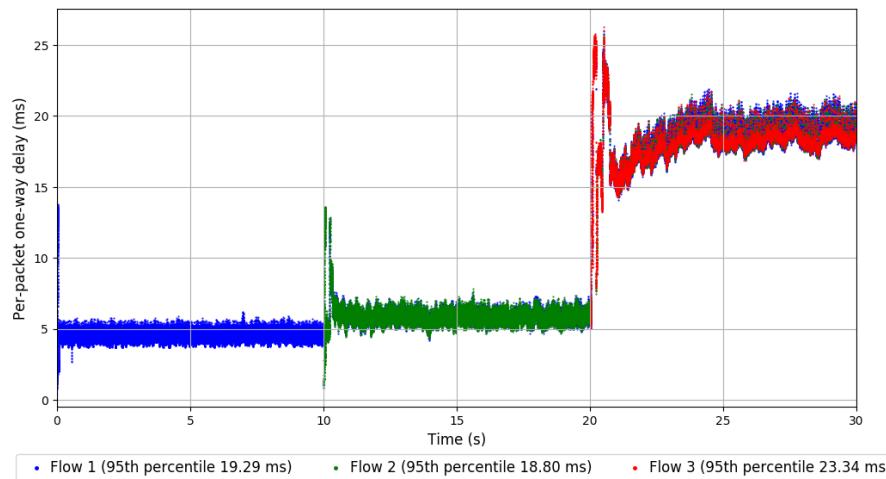
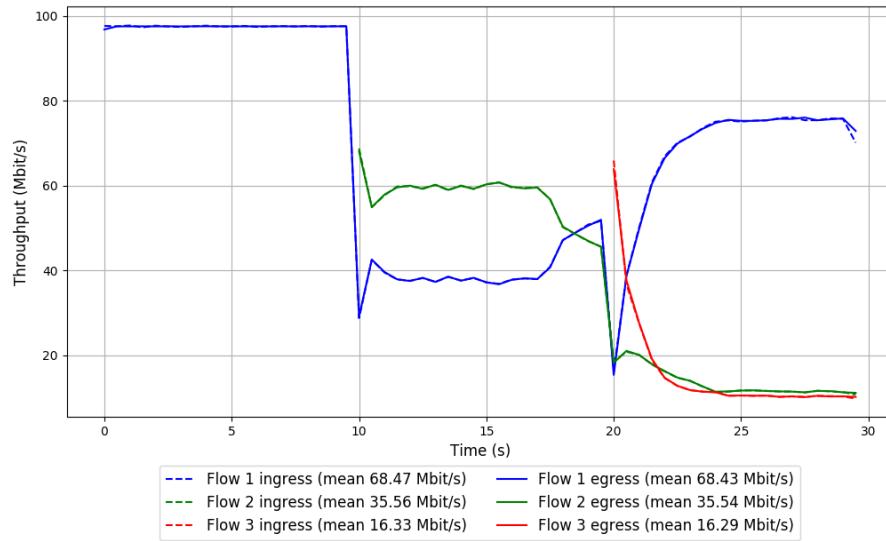


Run 4: Statistics of TCP BBR

```
Start at: 2018-03-13 18:33:04
End at: 2018-03-13 18:33:34
Local clock offset: -6.934 ms
Remote clock offset: -6.594 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 18.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 23.345 ms
Loss rate: 0.10%
```

Run 4: Report of TCP BBR — Data Link

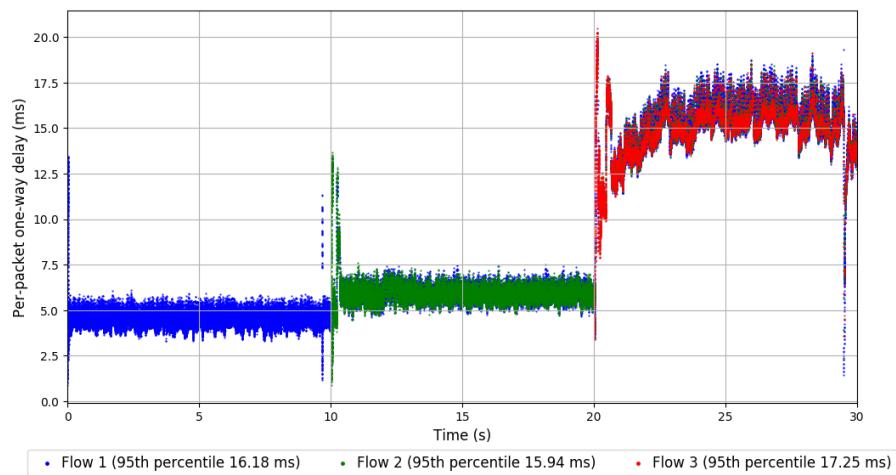
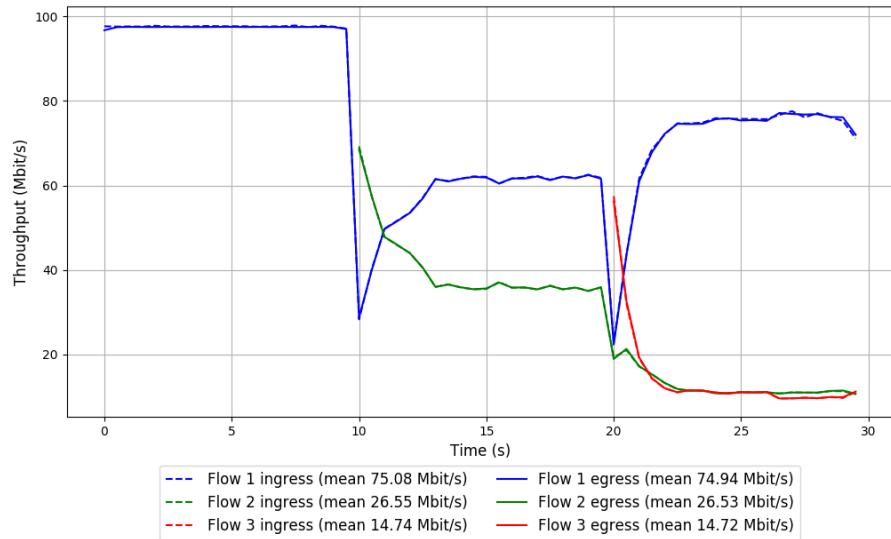


Run 5: Statistics of TCP BBR

```
Start at: 2018-03-13 18:53:32
End at: 2018-03-13 18:54:02
Local clock offset: -3.417 ms
Remote clock offset: -6.445 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 16.223 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 16.183 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 15.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 17.245 ms
Loss rate: 0.01%
```

Run 5: Report of TCP BBR — Data Link

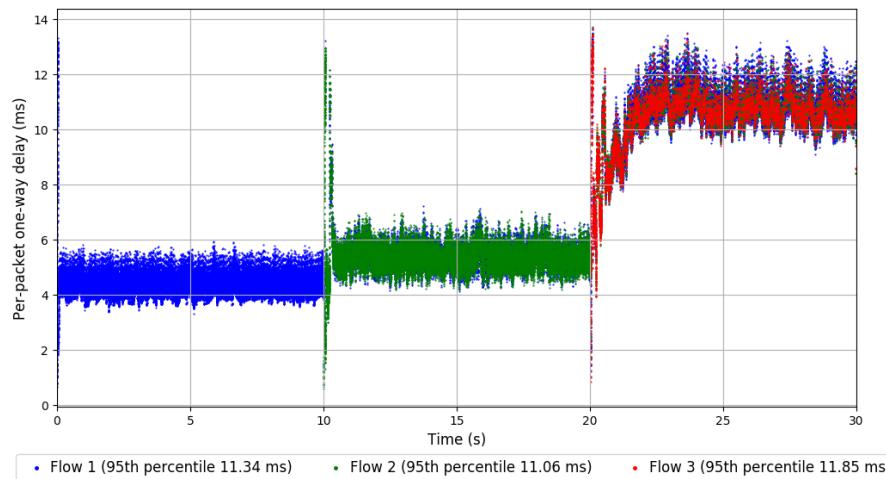
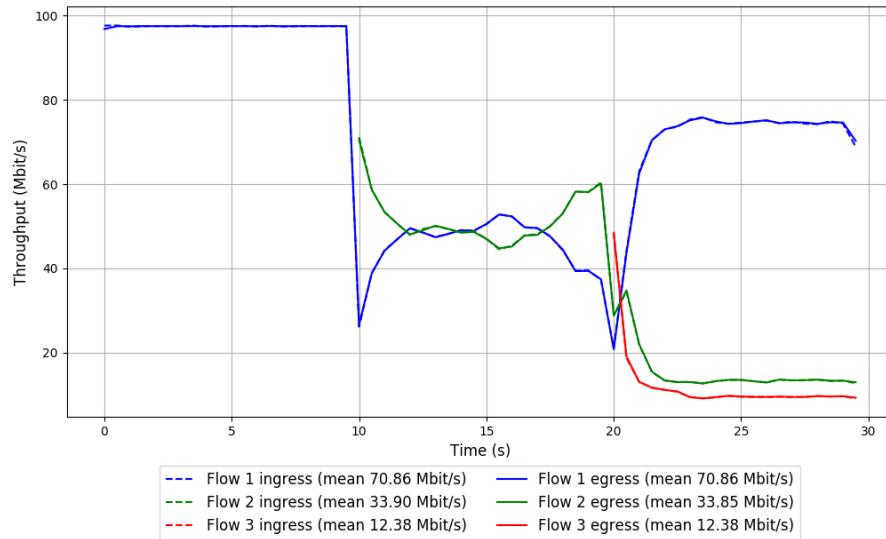


Run 6: Statistics of TCP BBR

```
Start at: 2018-03-13 19:13:57
End at: 2018-03-13 19:14:27
Local clock offset: -2.118 ms
Remote clock offset: -6.585 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 11.327 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 11.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 11.059 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 11.850 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

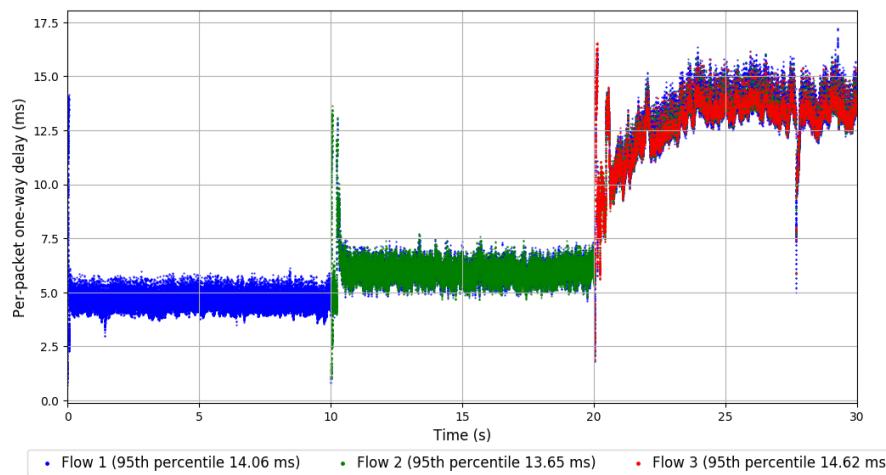
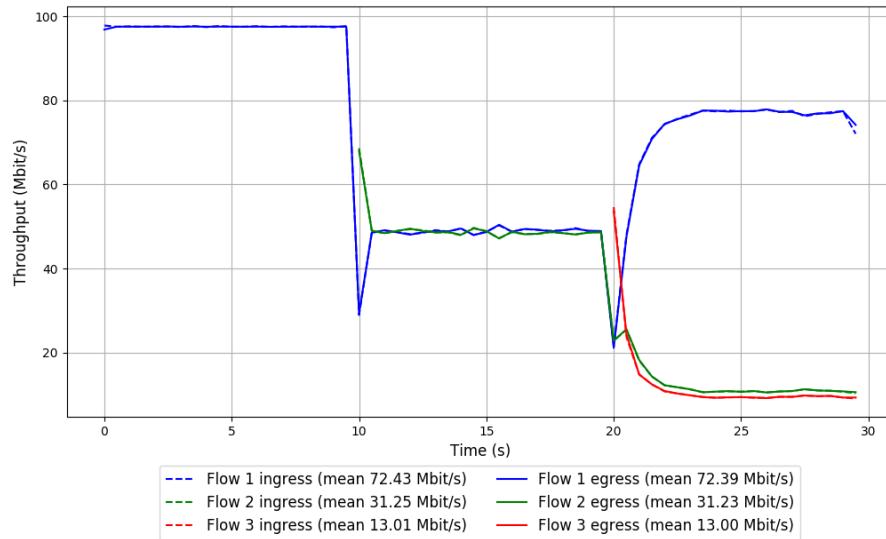


Run 7: Statistics of TCP BBR

```
Start at: 2018-03-13 19:34:24
End at: 2018-03-13 19:34:54
Local clock offset: -2.713 ms
Remote clock offset: -6.472 ms

# Below is generated by plot.py at 2018-03-13 21:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 14.042 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 14.060 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 14.625 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link

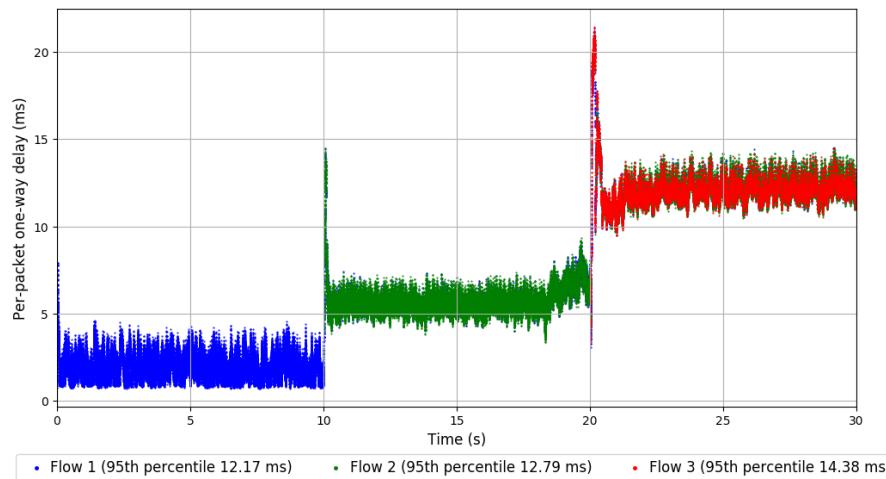
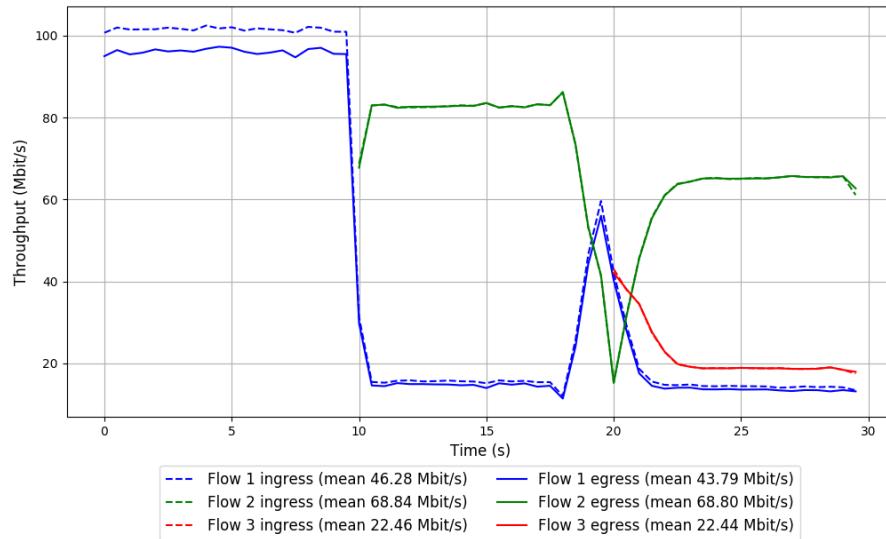


Run 8: Statistics of TCP BBR

```
Start at: 2018-03-13 19:54:52
End at: 2018-03-13 19:55:22
Local clock offset: -4.772 ms
Remote clock offset: -6.352 ms

# Below is generated by plot.py at 2018-03-13 21:18:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 12.719 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 12.169 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 68.80 Mbit/s
95th percentile per-packet one-way delay: 12.787 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 14.383 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

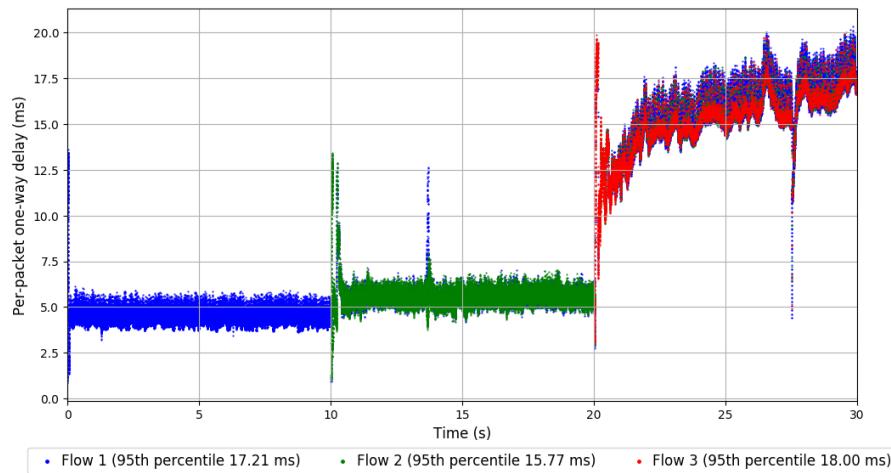
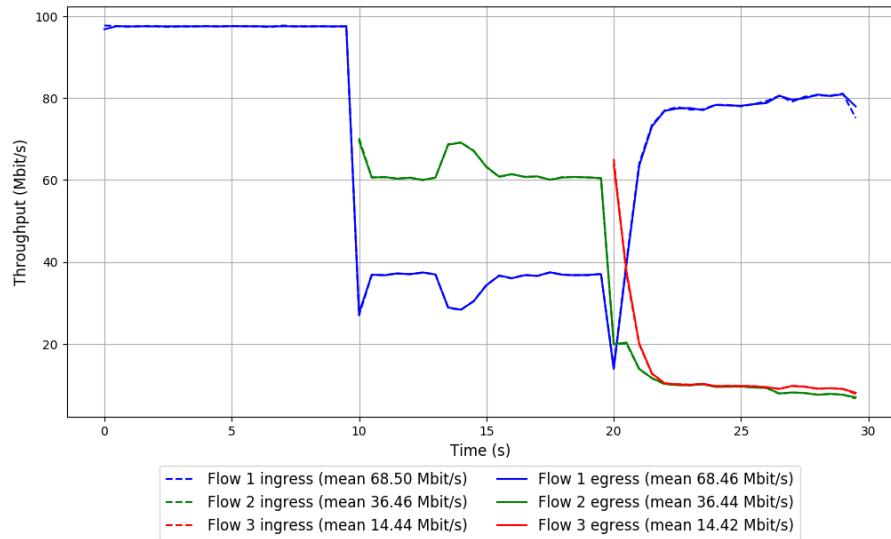


Run 9: Statistics of TCP BBR

```
Start at: 2018-03-13 20:15:20
End at: 2018-03-13 20:15:50
Local clock offset: -7.121 ms
Remote clock offset: -6.627 ms

# Below is generated by plot.py at 2018-03-13 21:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 17.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 17.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 15.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 18.005 ms
Loss rate: 0.00%
```

Run 9: Report of TCP BBR — Data Link

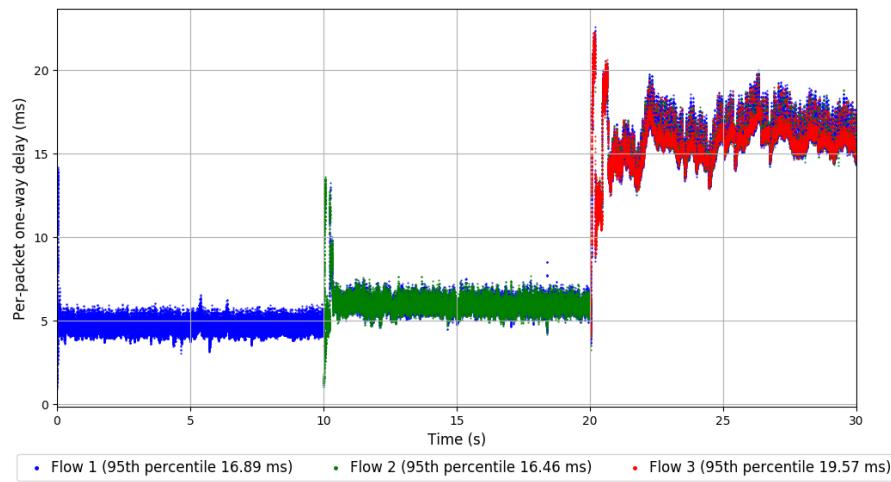
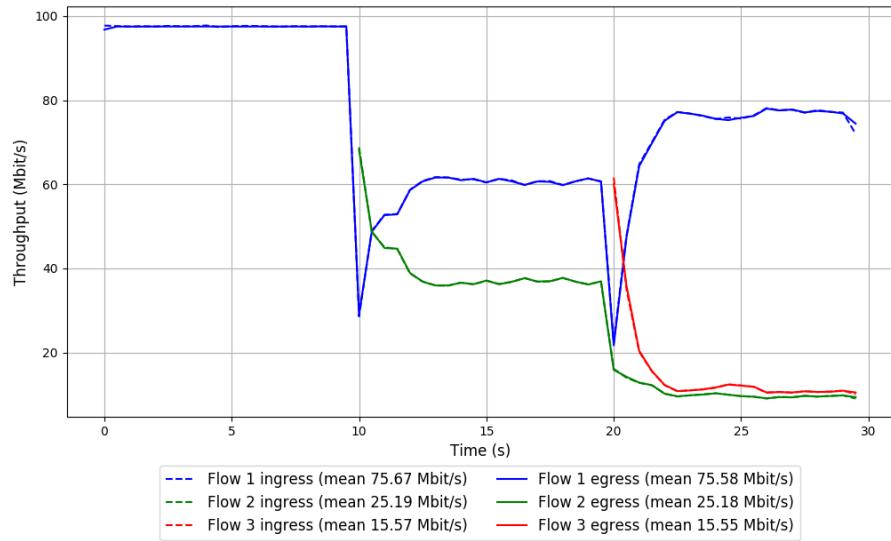


Run 10: Statistics of TCP BBR

```
Start at: 2018-03-13 20:35:48
End at: 2018-03-13 20:36:18
Local clock offset: -6.652 ms
Remote clock offset: -6.694 ms

# Below is generated by plot.py at 2018-03-13 21:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 16.995 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 16.894 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 16.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 19.568 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

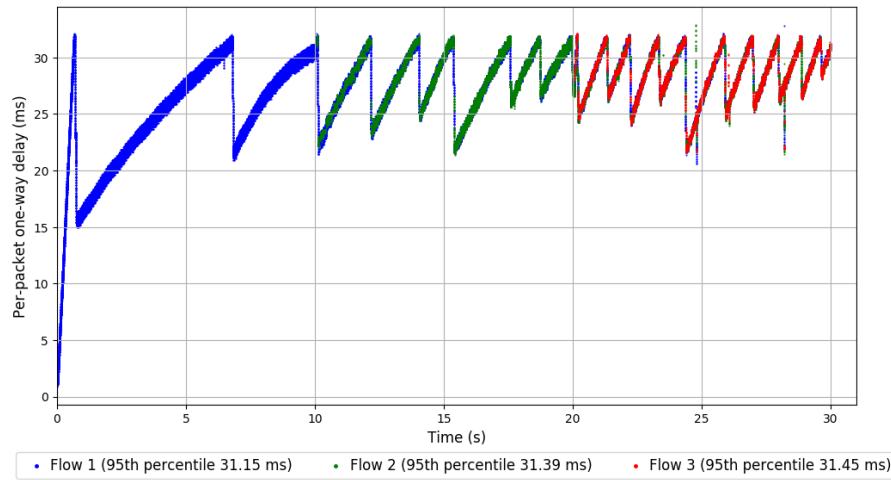
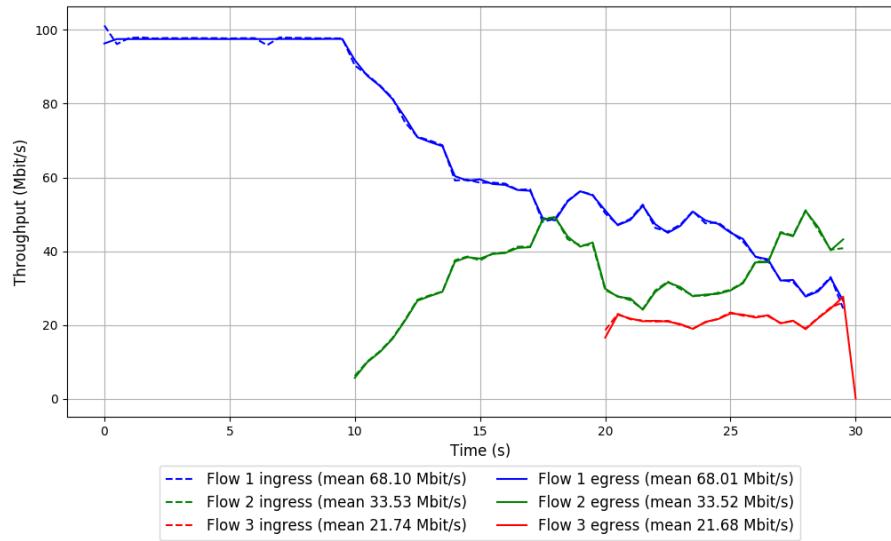


```
Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 17:46:22
End at: 2018-03-13 17:46:52
Local clock offset: -6.403 ms
Remote clock offset: -7.294 ms

# Below is generated by plot.py at 2018-03-13 21:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 31.309 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 68.01 Mbit/s
95th percentile per-packet one-way delay: 31.147 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 31.392 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 31.449 ms
Loss rate: 0.26%
```

Run 1: Report of TCP Cubic — Data Link

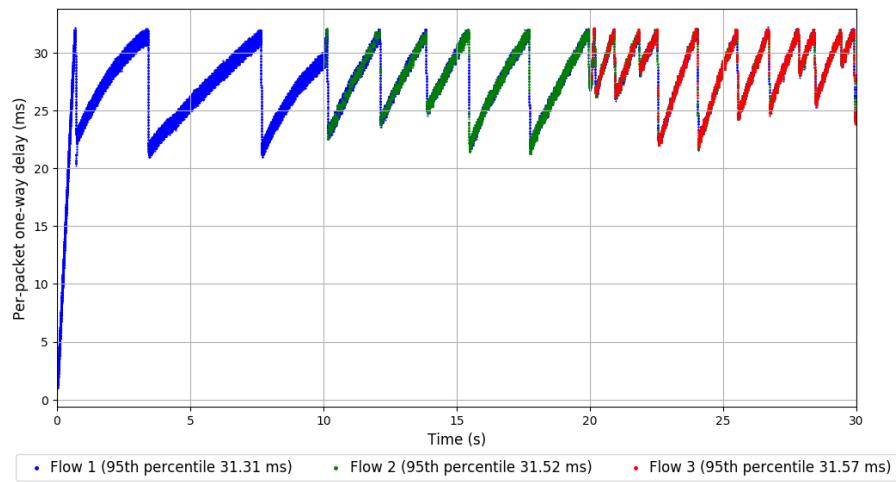
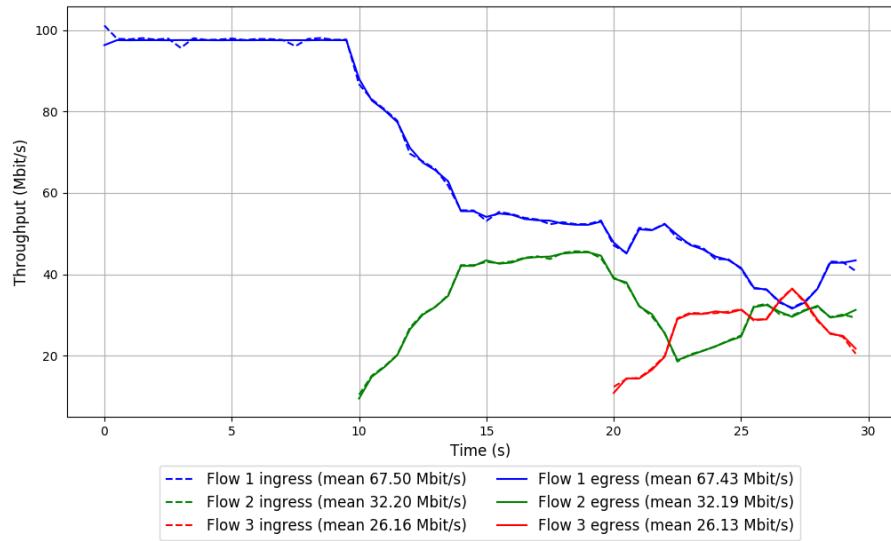


Run 2: Statistics of TCP Cubic

```
Start at: 2018-03-13 18:06:49
End at: 2018-03-13 18:07:19
Local clock offset: -7.544 ms
Remote clock offset: -7.601 ms

# Below is generated by plot.py at 2018-03-13 21:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.463 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 31.518 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 31.574 ms
Loss rate: 0.17%
```

Run 2: Report of TCP Cubic — Data Link

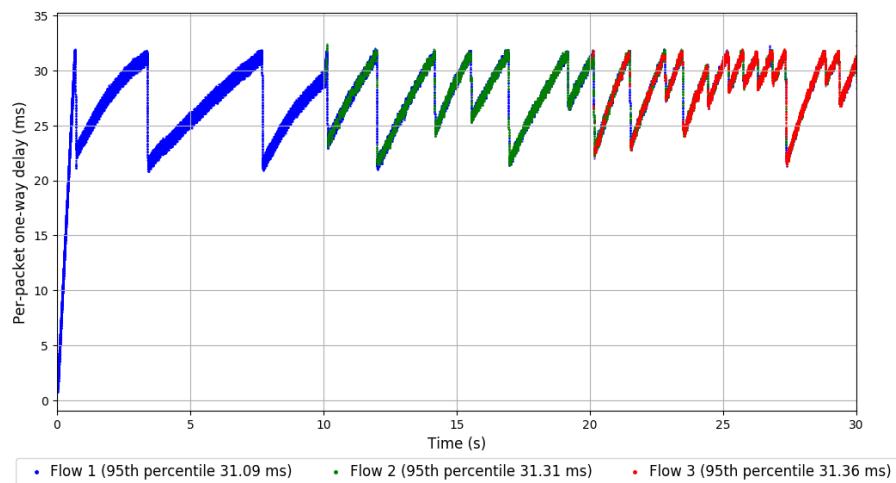
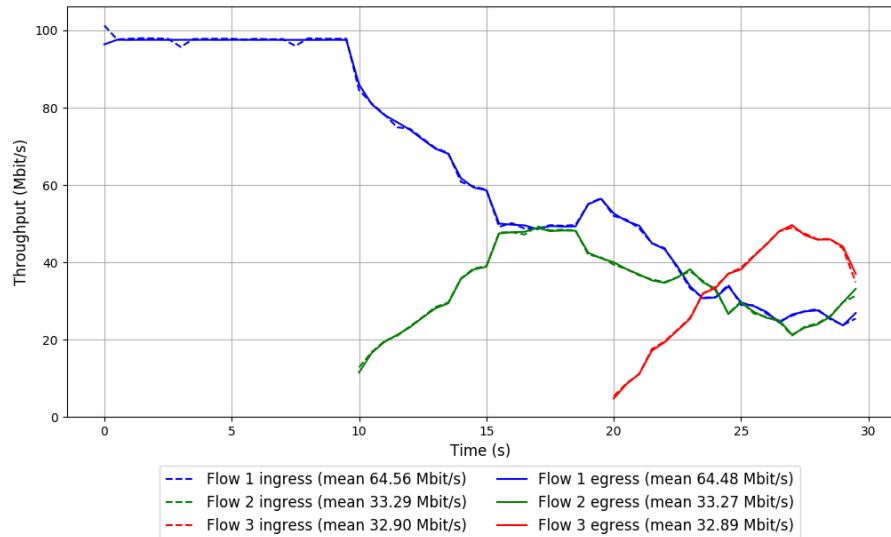


Run 3: Statistics of TCP Cubic

```
Start at: 2018-03-13 18:27:17
End at: 2018-03-13 18:27:47
Local clock offset: -6.777 ms
Remote clock offset: -6.843 ms

# Below is generated by plot.py at 2018-03-13 21:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.256 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 31.359 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Cubic — Data Link

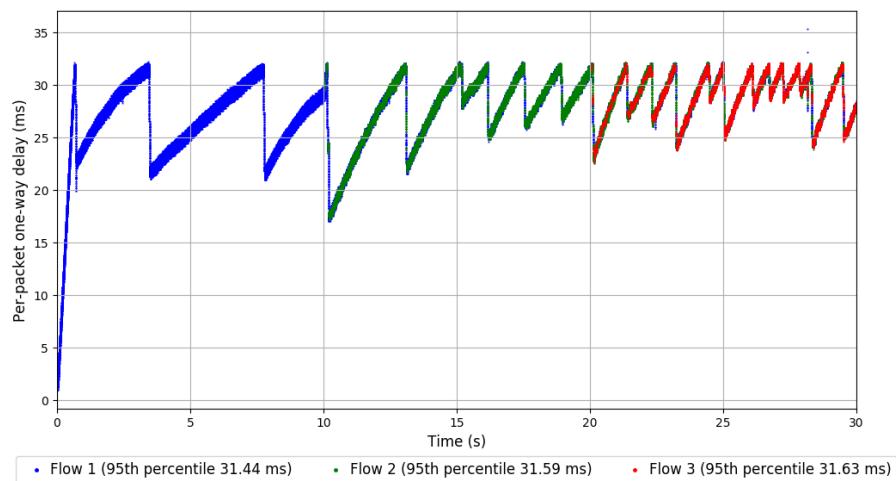
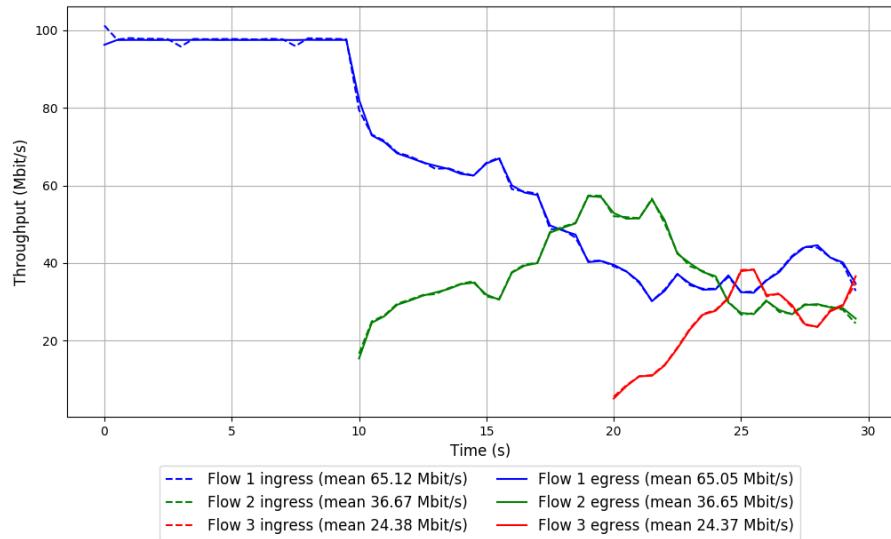


Run 4: Statistics of TCP Cubic

```
Start at: 2018-03-13 18:47:50
End at: 2018-03-13 18:48:20
Local clock offset: -4.311 ms
Remote clock offset: -6.411 ms

# Below is generated by plot.py at 2018-03-13 21:20:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.541 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 31.438 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 31.592 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 0.07%
```

Run 4: Report of TCP Cubic — Data Link

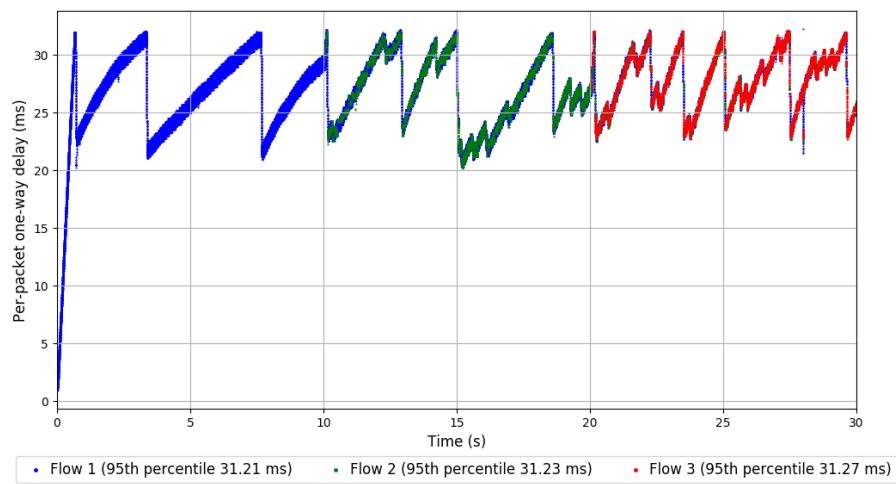
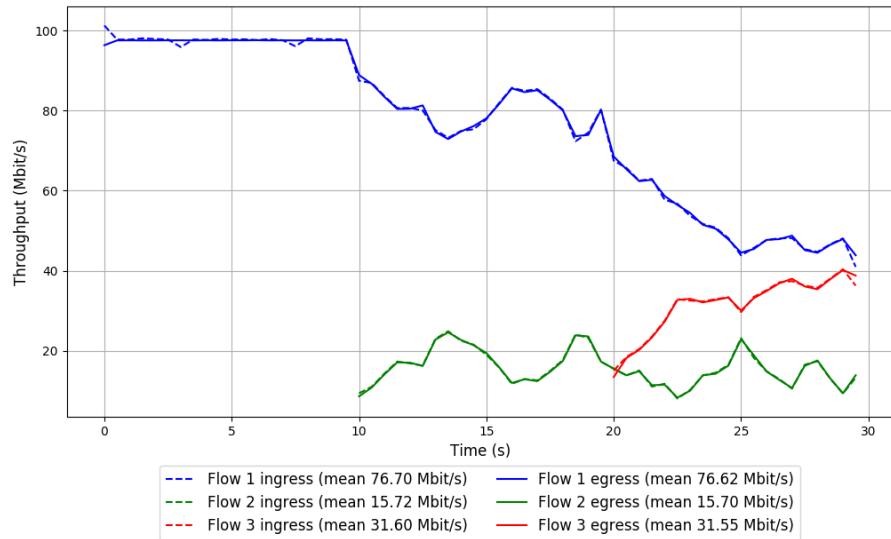


Run 5: Statistics of TCP Cubic

```
Start at: 2018-03-13 19:08:15
End at: 2018-03-13 19:08:45
Local clock offset: -2.344 ms
Remote clock offset: -6.494 ms

# Below is generated by plot.py at 2018-03-13 21:20:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.220 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 31.208 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 31.275 ms
Loss rate: 0.15%
```

Run 5: Report of TCP Cubic — Data Link

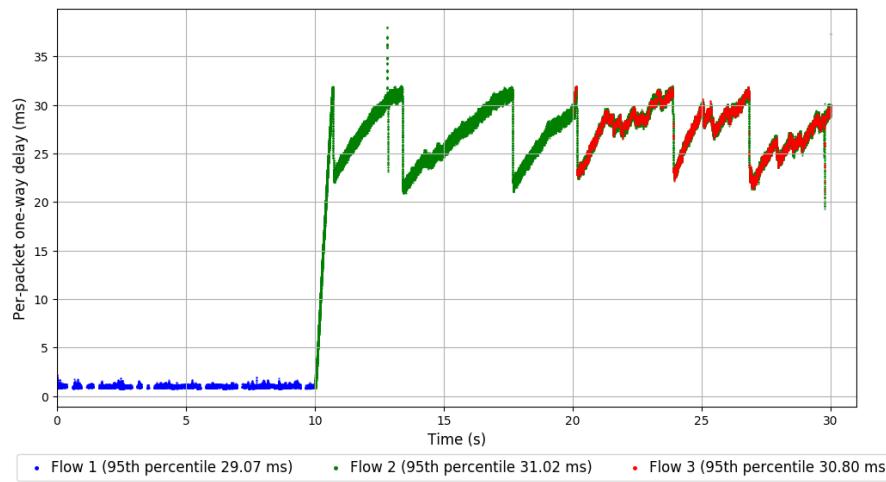
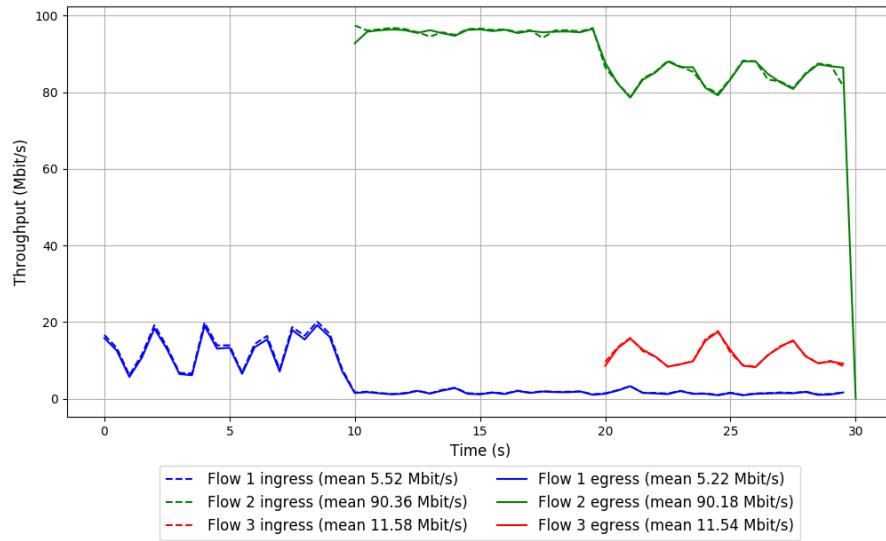


Run 6: Statistics of TCP Cubic

```
Start at: 2018-03-13 19:28:43
End at: 2018-03-13 19:29:13
Local clock offset: -2.769 ms
Remote clock offset: -6.566 ms

# Below is generated by plot.py at 2018-03-13 21:20:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.14 Mbit/s
95th percentile per-packet one-way delay: 30.914 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 29.074 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 31.023 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 30.805 ms
Loss rate: 0.35%
```

Run 6: Report of TCP Cubic — Data Link

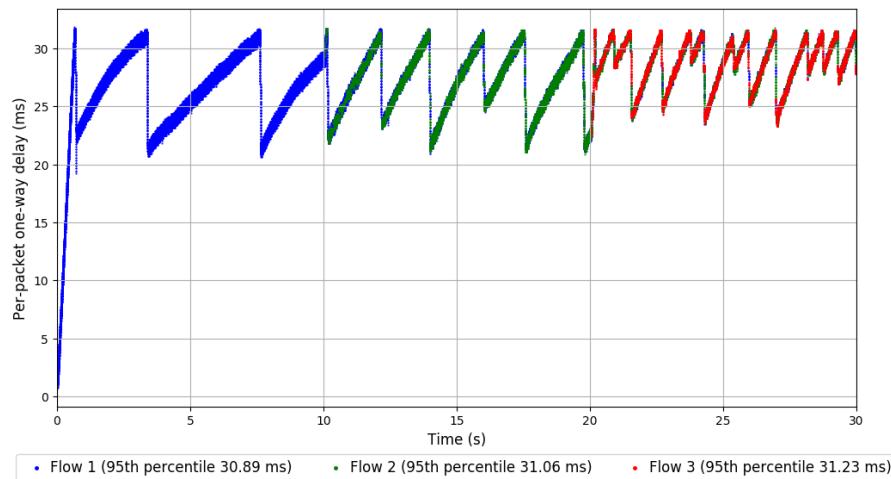
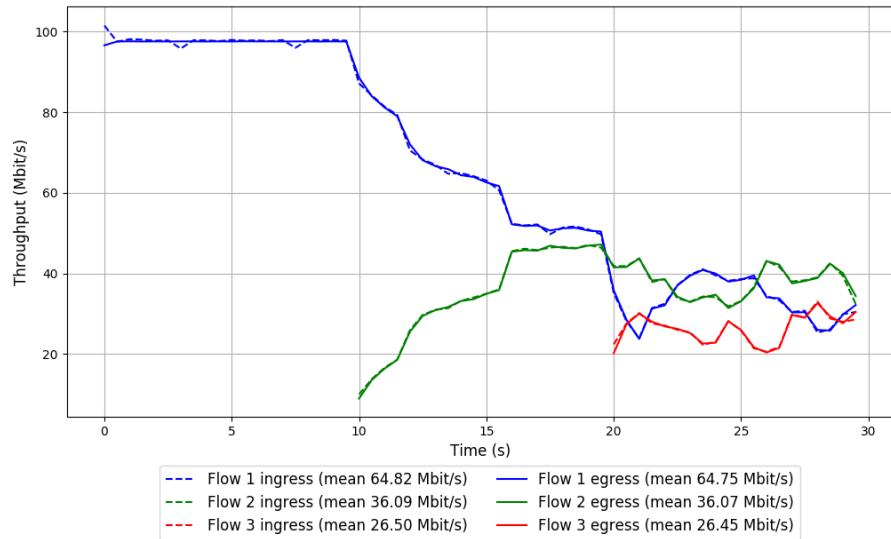


Run 7: Statistics of TCP Cubic

```
Start at: 2018-03-13 19:49:10
End at: 2018-03-13 19:49:40
Local clock offset: -3.155 ms
Remote clock offset: -6.376 ms

# Below is generated by plot.py at 2018-03-13 21:21:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.032 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.75 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 31.060 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 31.230 ms
Loss rate: 0.15%
```

Run 7: Report of TCP Cubic — Data Link

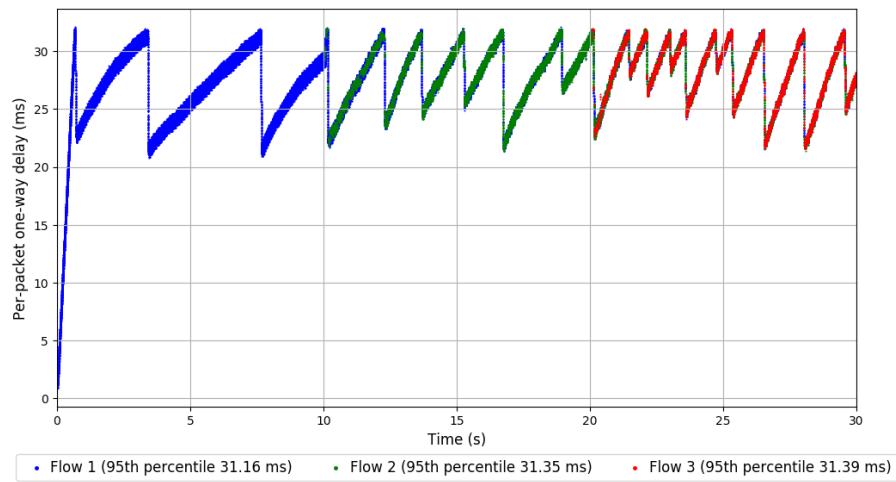
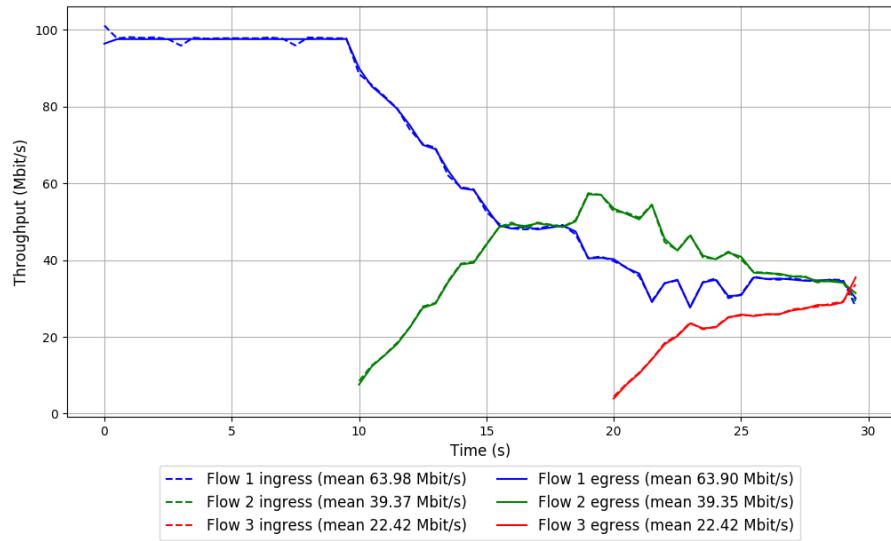


Run 8: Statistics of TCP Cubic

```
Start at: 2018-03-13 20:09:38
End at: 2018-03-13 20:10:08
Local clock offset: -6.642 ms
Remote clock offset: -6.556 ms

# Below is generated by plot.py at 2018-03-13 21:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.302 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 63.90 Mbit/s
95th percentile per-packet one-way delay: 31.156 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 31.352 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 31.395 ms
Loss rate: 0.06%
```

Run 8: Report of TCP Cubic — Data Link

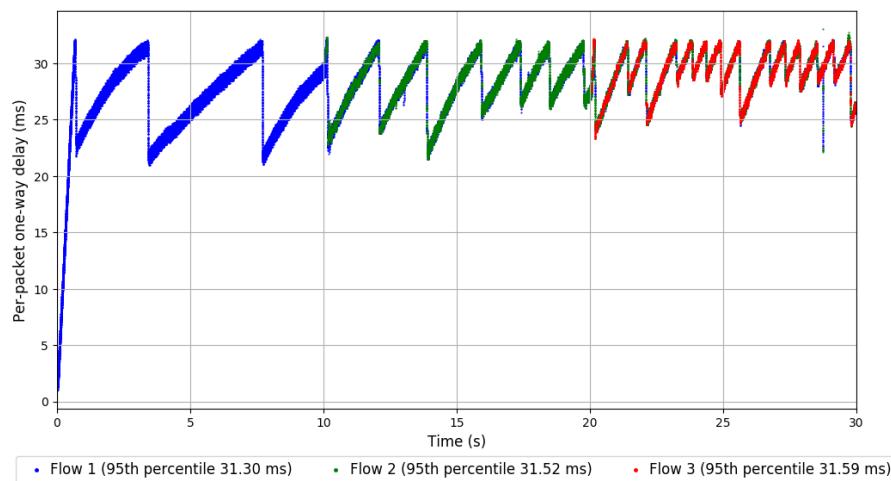
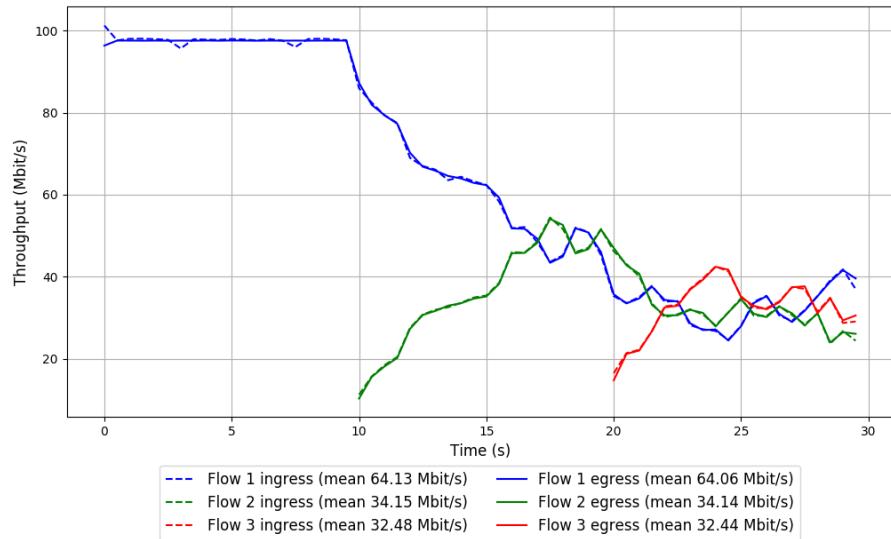


Run 9: Statistics of TCP Cubic

```
Start at: 2018-03-13 20:30:06
End at: 2018-03-13 20:30:36
Local clock offset: -6.745 ms
Remote clock offset: -6.695 ms

# Below is generated by plot.py at 2018-03-13 21:21:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.476 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.06 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 31.523 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 31.594 ms
Loss rate: 0.13%
```

Run 9: Report of TCP Cubic — Data Link

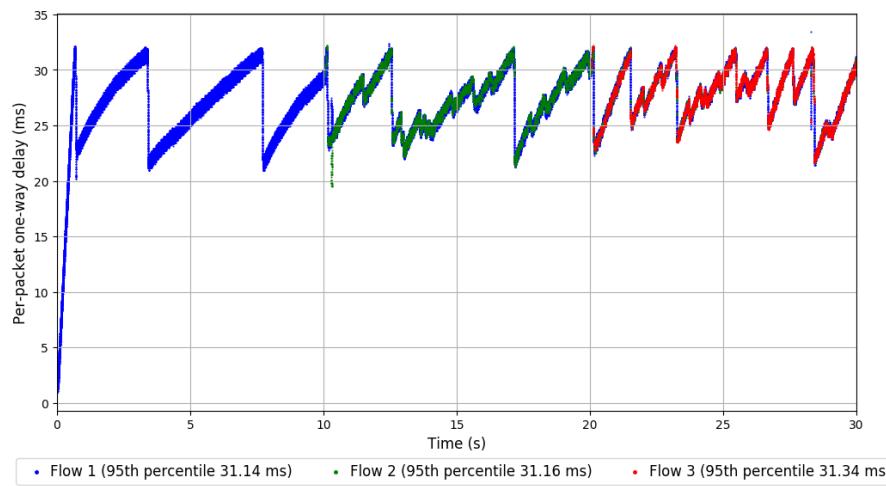
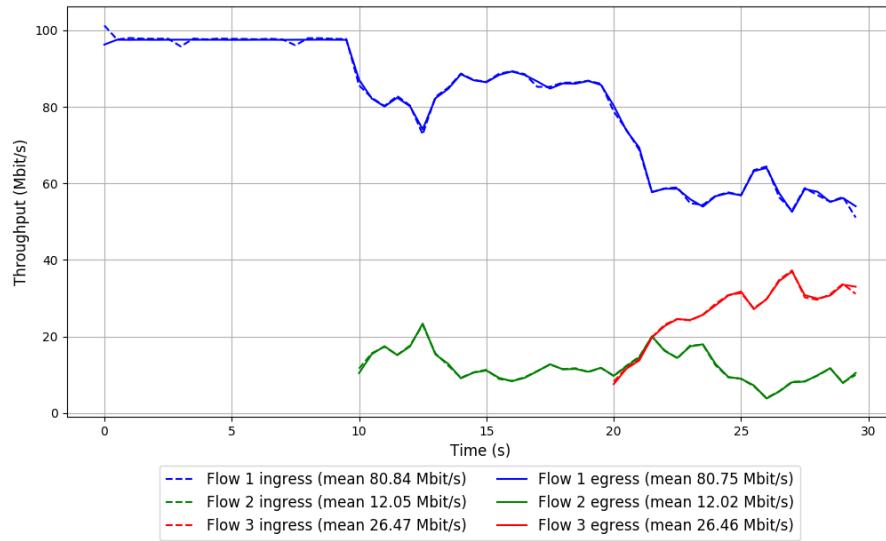


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-03-13 20:50:32
End at: 2018-03-13 20:51:02
Local clock offset: -6.772 ms
Remote clock offset: -6.697 ms

# Below is generated by plot.py at 2018-03-13 21:21:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 80.75 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 0.06%
```

Run 10: Report of TCP Cubic — Data Link

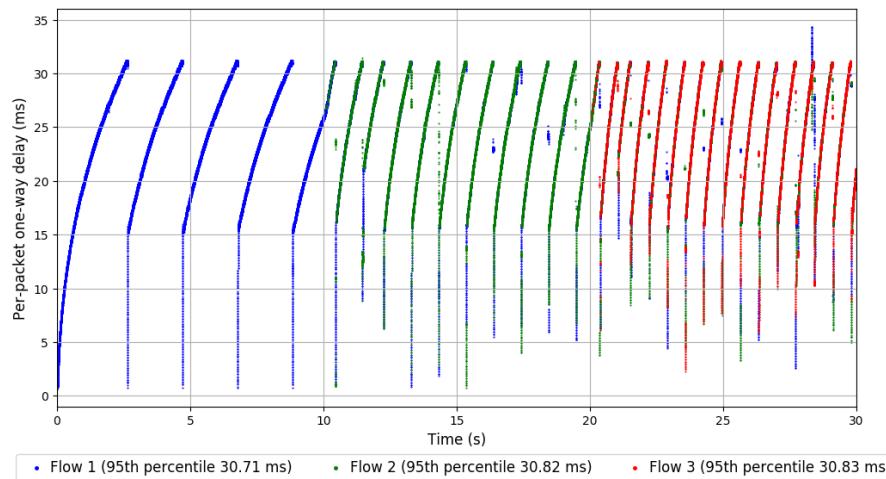
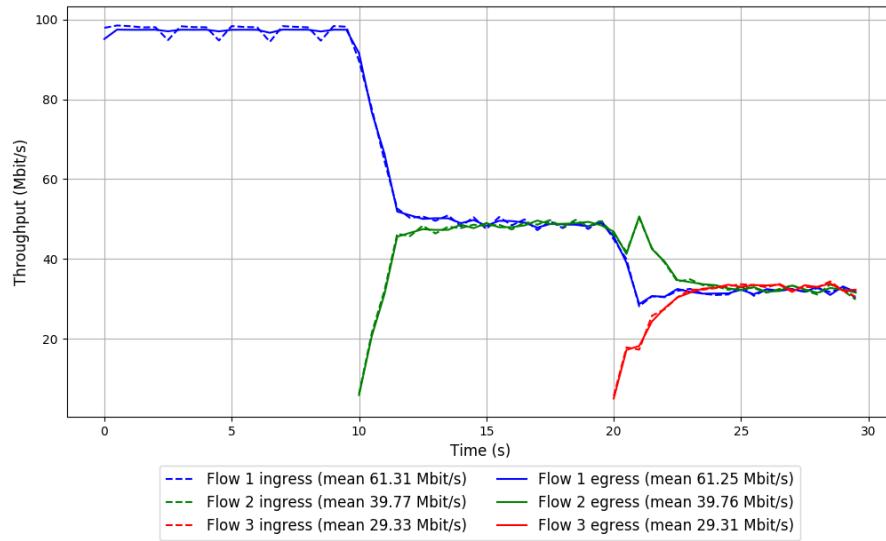


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-13 17:35:00
End at: 2018-03-13 17:35:30
Local clock offset: -4.599 ms
Remote clock offset: -7.108 ms

# Below is generated by plot.py at 2018-03-13 21:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 30.751 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 30.715 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 30.818 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 30.830 ms
Loss rate: 0.12%
```

Run 1: Report of LEDBAT — Data Link

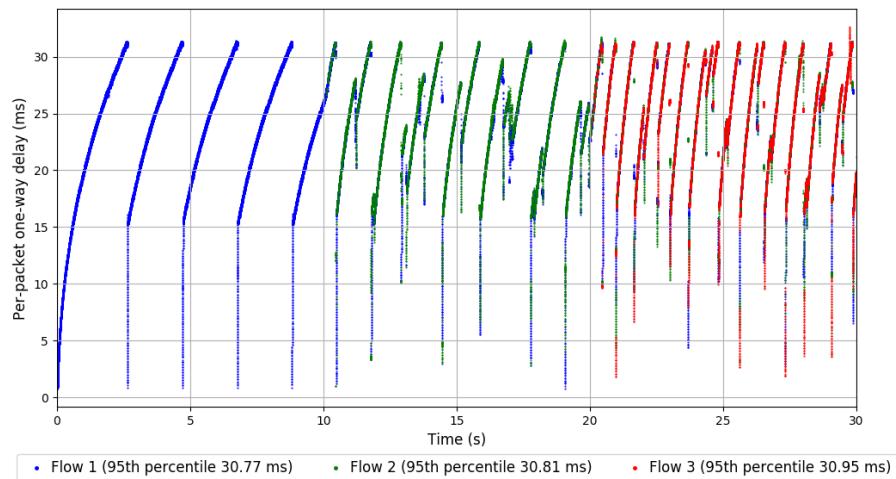
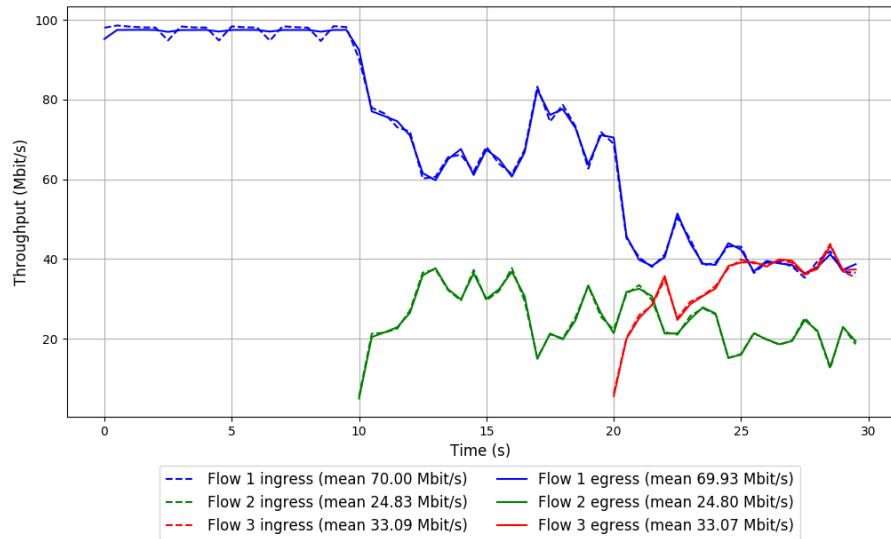


Run 2: Statistics of LEDBAT

```
Start at: 2018-03-13 17:55:28
End at: 2018-03-13 17:55:58
Local clock offset: -7.072 ms
Remote clock offset: -7.438 ms

# Below is generated by plot.py at 2018-03-13 21:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 30.793 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 30.768 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 30.808 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 30.946 ms
Loss rate: 0.07%
```

Run 2: Report of LEDBAT — Data Link

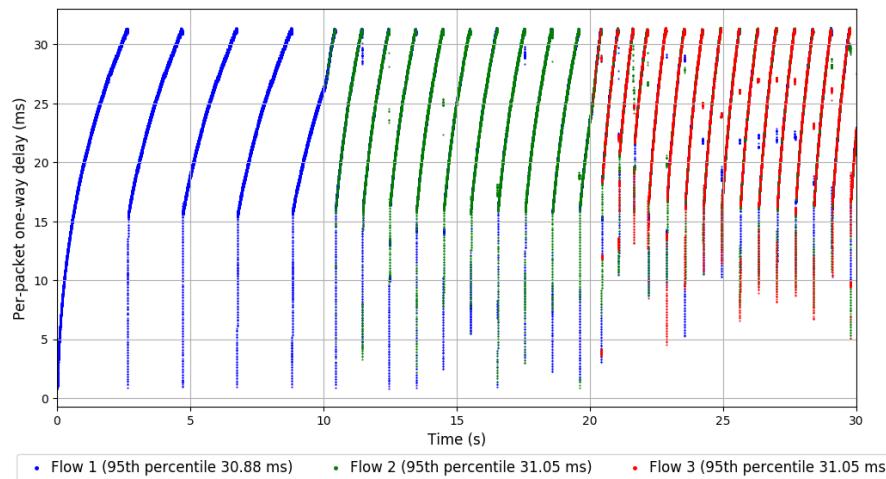
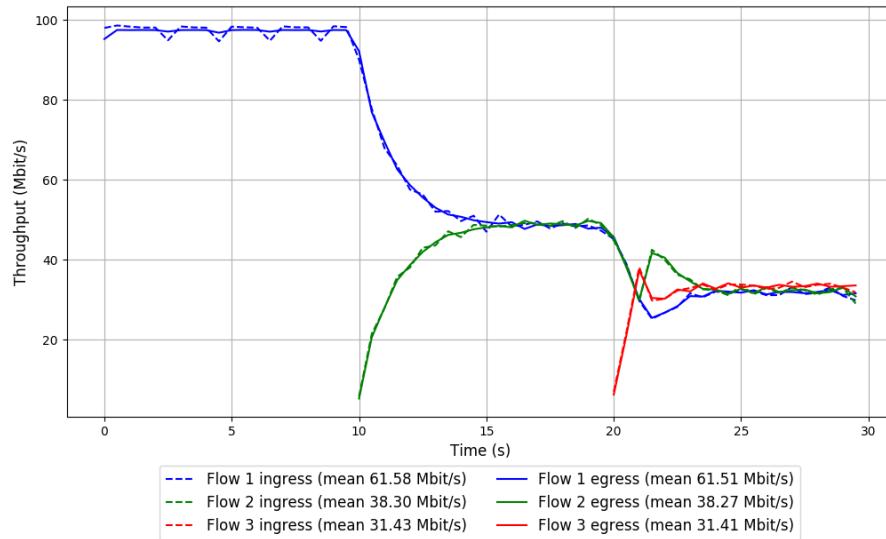


Run 3: Statistics of LEDBAT

```
Start at: 2018-03-13 18:15:55
End at: 2018-03-13 18:16:25
Local clock offset: -6.812 ms
Remote clock offset: -7.724 ms

# Below is generated by plot.py at 2018-03-13 21:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 30.908 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 30.879 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 31.048 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 31.053 ms
Loss rate: 0.07%
```

Run 3: Report of LEDBAT — Data Link

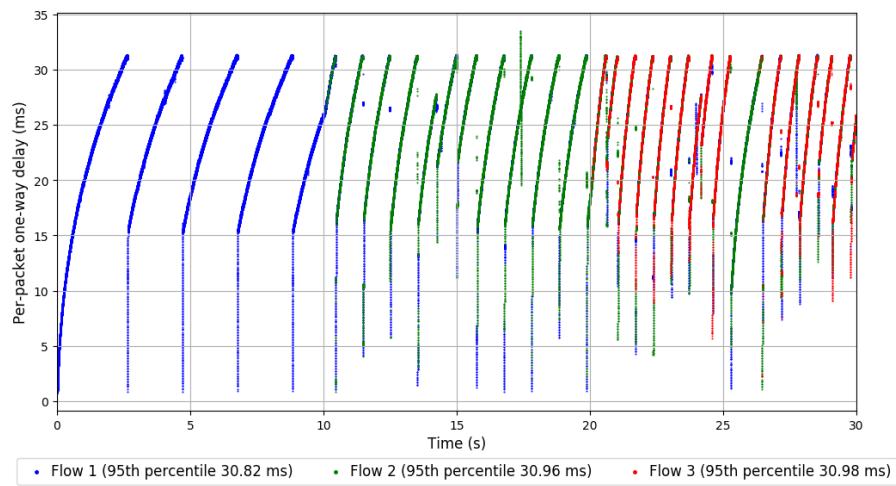
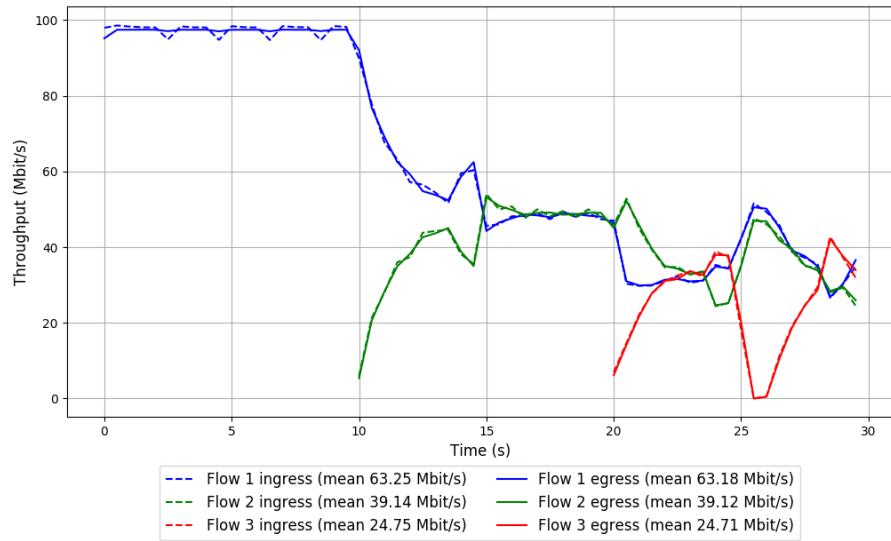


Run 4: Statistics of LEDBAT

```
Start at: 2018-03-13 18:36:28
End at: 2018-03-13 18:36:58
Local clock offset: -6.963 ms
Remote clock offset: -6.508 ms

# Below is generated by plot.py at 2018-03-13 21:21:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 30.848 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 30.823 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 30.960 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 30.982 ms
Loss rate: 0.12%
```

Run 4: Report of LEDBAT — Data Link

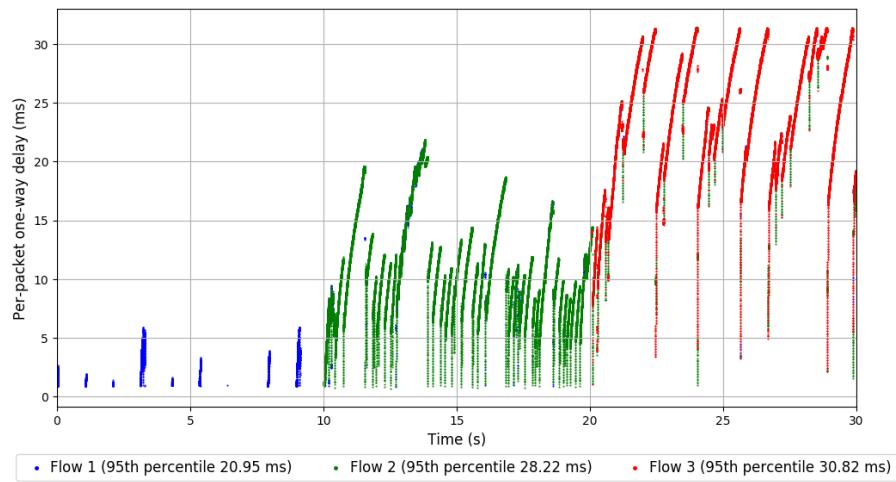
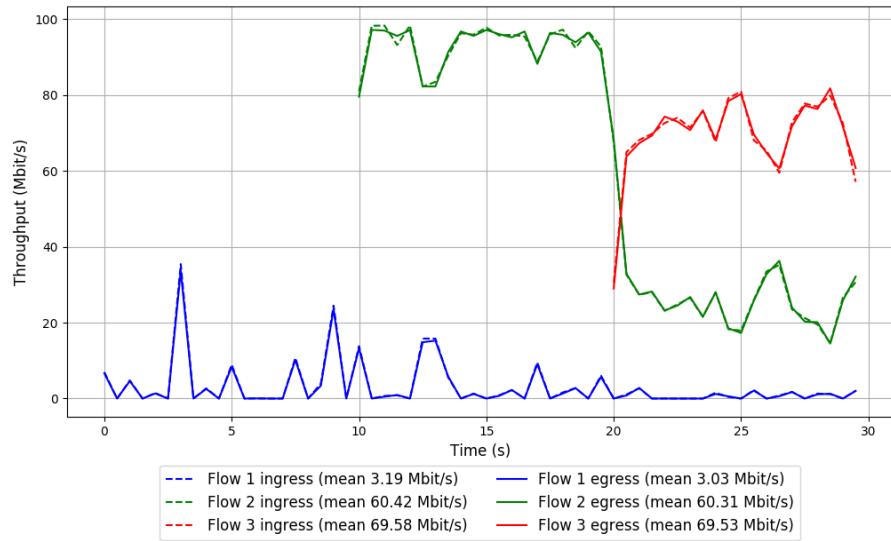


Run 5: Statistics of LEDBAT

```
Start at: 2018-03-13 18:56:56
End at: 2018-03-13 18:57:26
Local clock offset: -3.055 ms
Remote clock offset: -6.507 ms

# Below is generated by plot.py at 2018-03-13 21:22:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.29 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 20.946 ms
Loss rate: 4.84%
-- Flow 2:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 28.219 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 30.818 ms
Loss rate: 0.02%
```

Run 5: Report of LEDBAT — Data Link

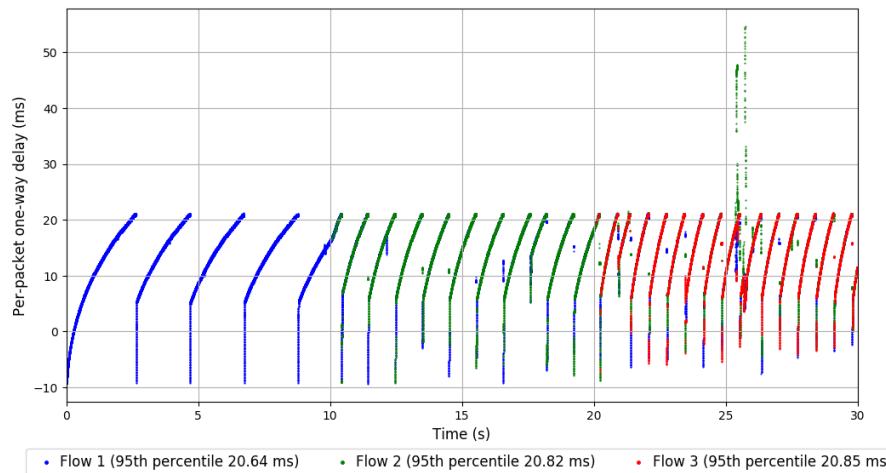
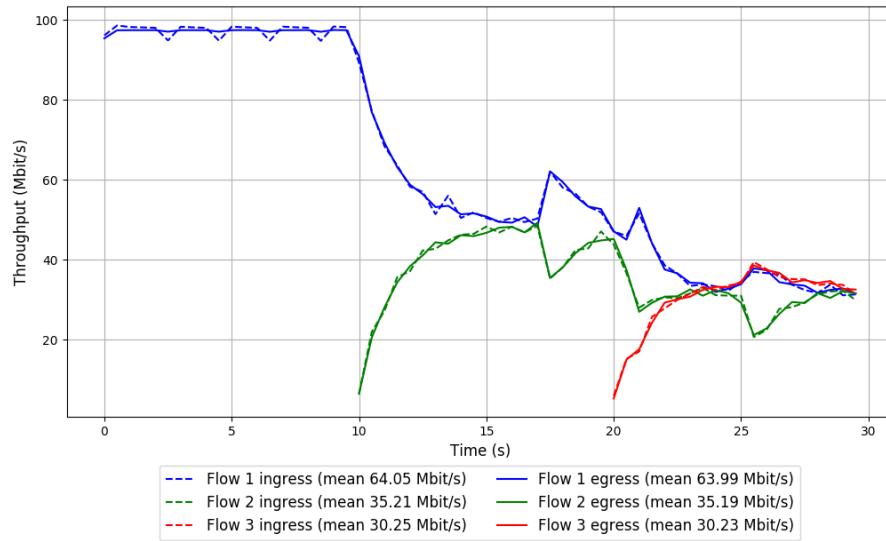


Run 6: Statistics of LEDBAT

```
Start at: 2018-03-13 19:17:21
End at: 2018-03-13 19:17:51
Local clock offset: -2.391 ms
Remote clock offset: -16.71 ms

# Below is generated by plot.py at 2018-03-13 21:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 20.686 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 20.638 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 20.825 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 20.853 ms
Loss rate: 0.12%
```

Run 6: Report of LEDBAT — Data Link

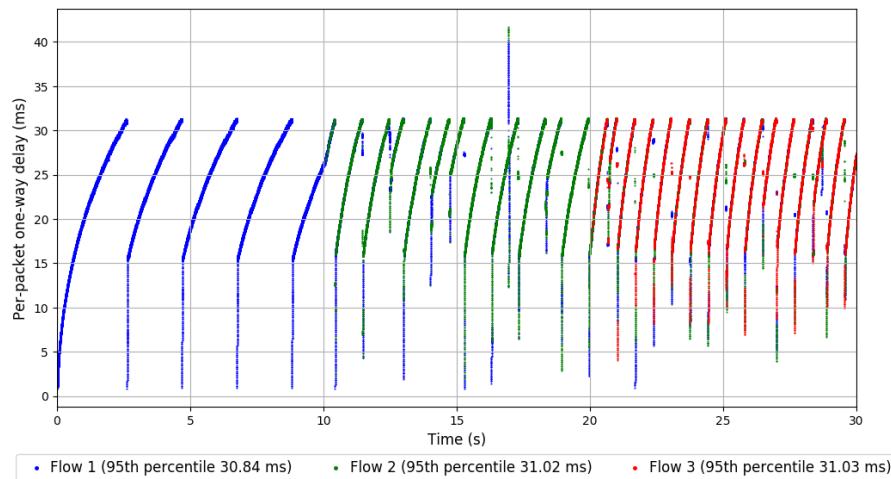
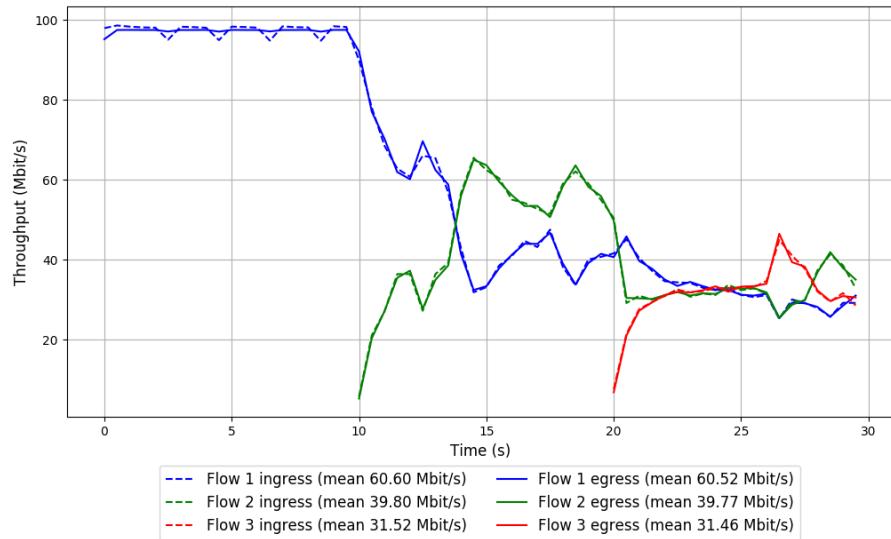


Run 7: Statistics of LEDBAT

```
Start at: 2018-03-13 19:37:48
End at: 2018-03-13 19:38:18
Local clock offset: -2.738 ms
Remote clock offset: -6.482 ms

# Below is generated by plot.py at 2018-03-13 21:23:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 30.898 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.52 Mbit/s
95th percentile per-packet one-way delay: 30.837 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 31.023 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.08%
```

Run 7: Report of LEDBAT — Data Link

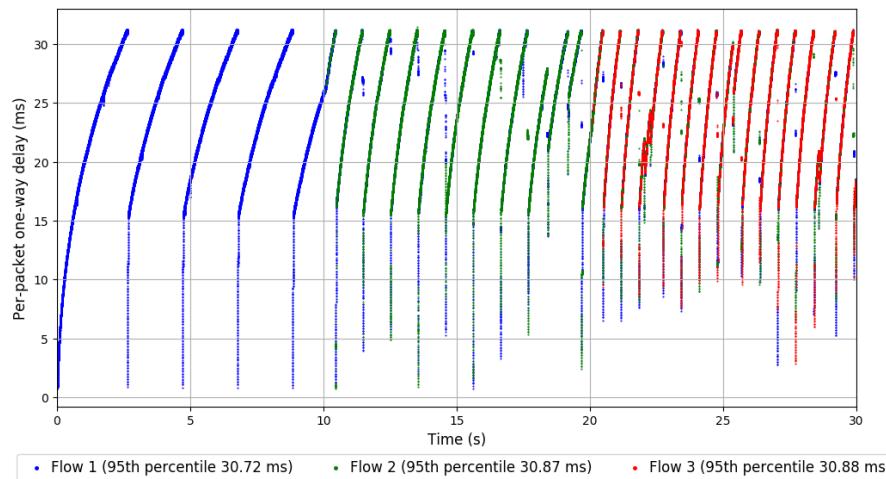
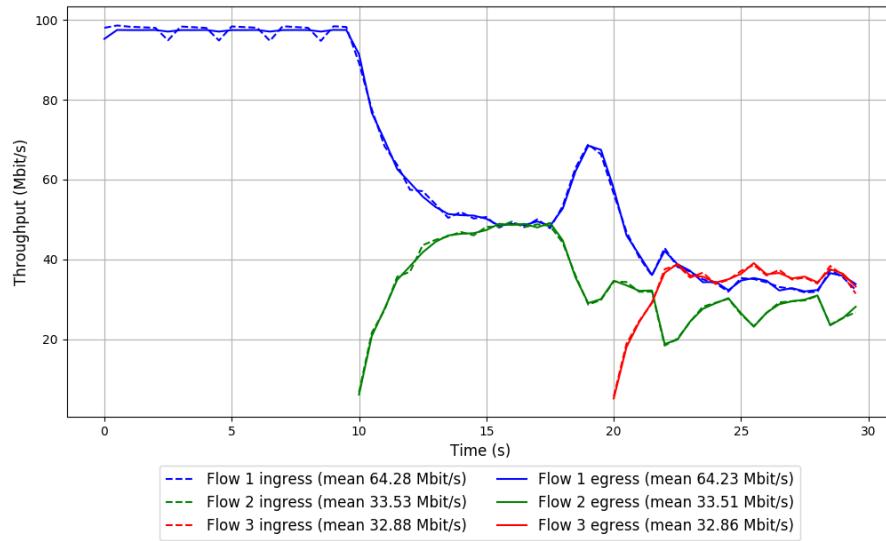


Run 8: Statistics of LEDBAT

```
Start at: 2018-03-13 19:58:16
End at: 2018-03-13 19:58:46
Local clock offset: -5.348 ms
Remote clock offset: -6.314 ms

# Below is generated by plot.py at 2018-03-13 21:23:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 30.758 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 30.724 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 30.872 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 30.882 ms
Loss rate: 0.09%
```

Run 8: Report of LEDBAT — Data Link

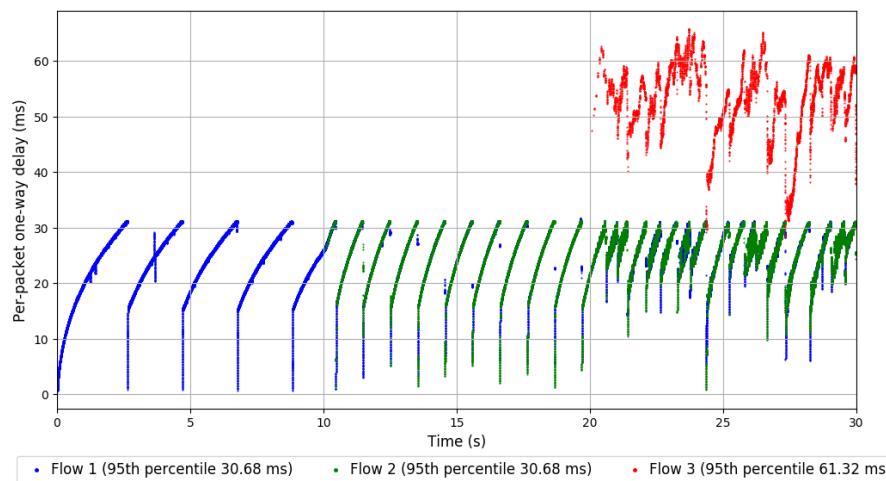
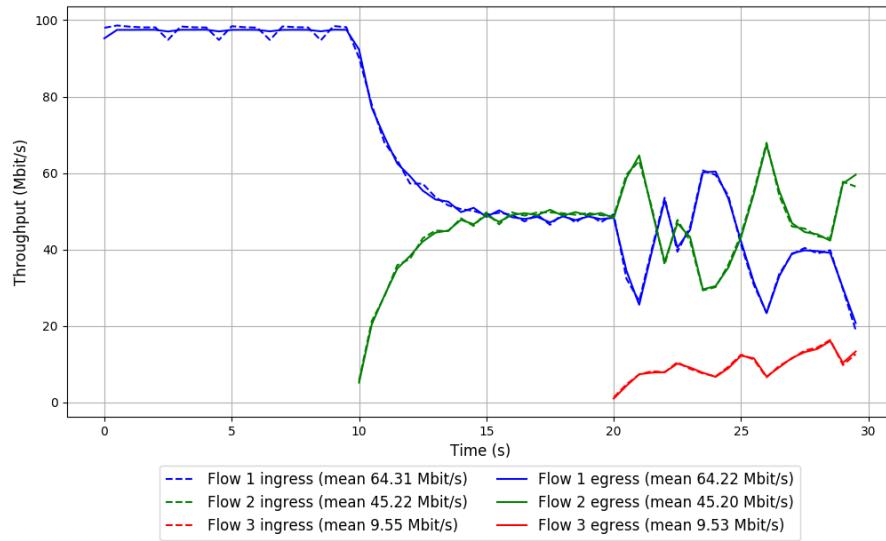


Run 9: Statistics of LEDBAT

```
Start at: 2018-03-13 20:18:44
End at: 2018-03-13 20:19:14
Local clock offset: -7.223 ms
Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-03-13 21:23:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 30.976 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 30.685 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 30.680 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 61.322 ms
Loss rate: 0.59%
```

Run 9: Report of LEDBAT — Data Link

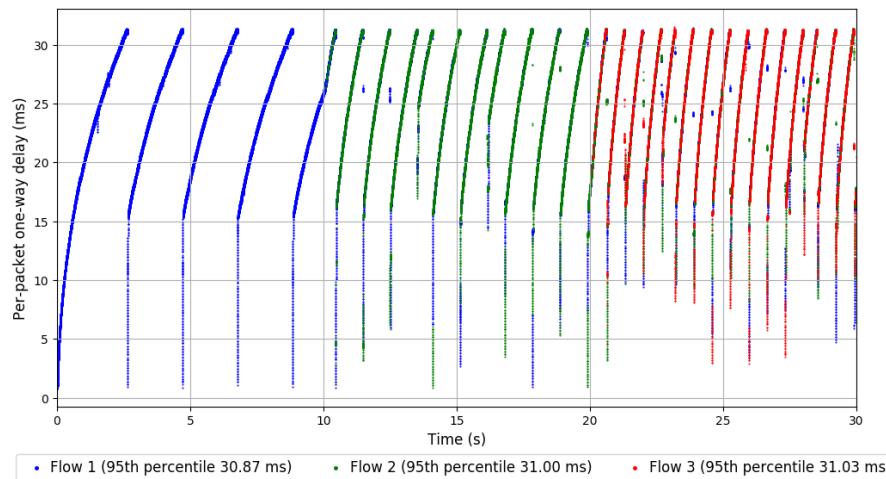
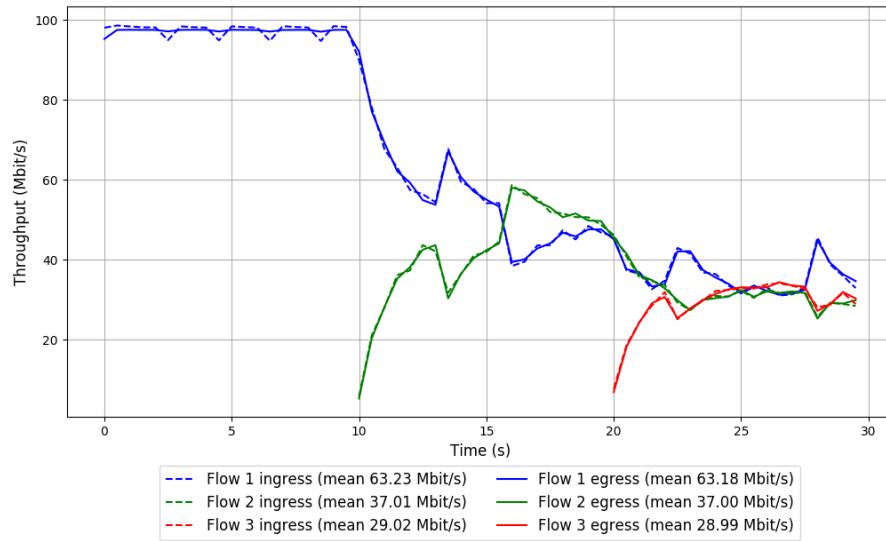


Run 10: Statistics of LEDBAT

```
Start at: 2018-03-13 20:39:11
End at: 2018-03-13 20:39:41
Local clock offset: -6.468 ms
Remote clock offset: -6.678 ms

# Below is generated by plot.py at 2018-03-13 21:23:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 30.935 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 30.872 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 31.002 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 31.033 ms
Loss rate: 0.12%
```

Run 10: Report of LEDBAT — Data Link

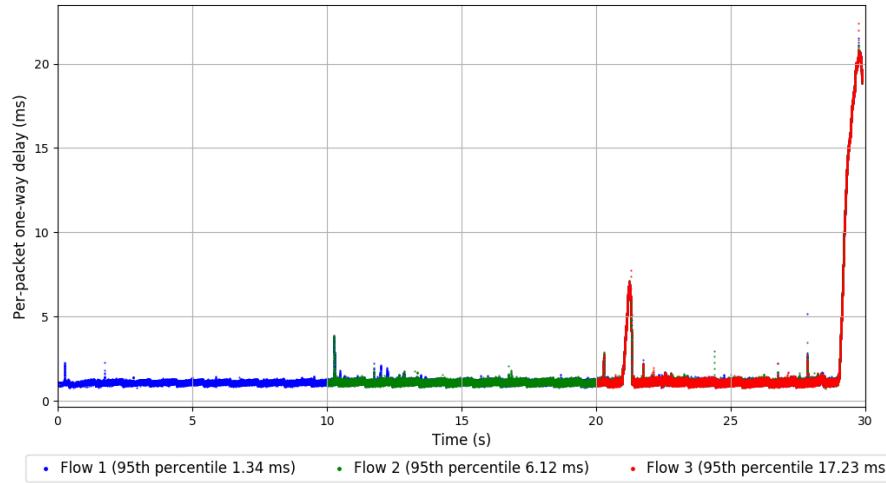
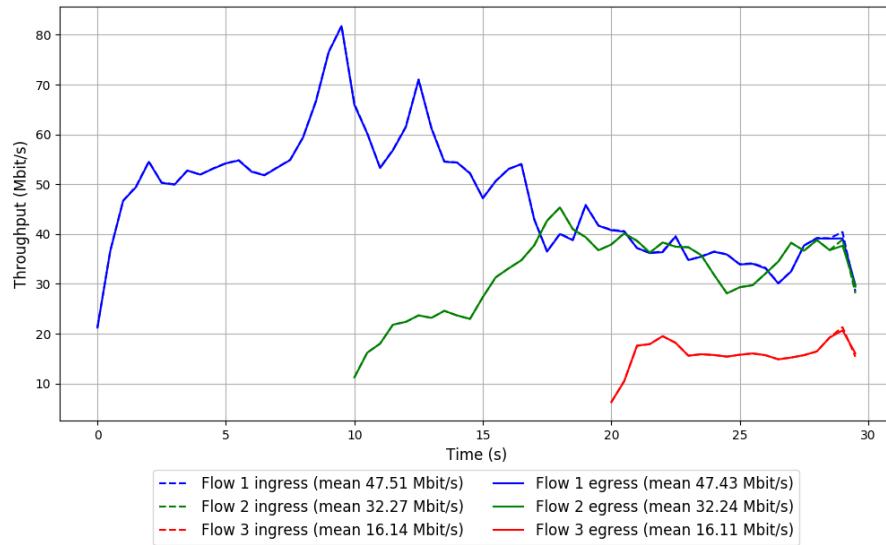


Run 1: Statistics of PCC

```
Start at: 2018-03-13 17:45:16
End at: 2018-03-13 17:45:46
Local clock offset: -6.329 ms
Remote clock offset: -7.26 ms

# Below is generated by plot.py at 2018-03-13 21:23:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.18 Mbit/s
95th percentile per-packet one-way delay: 2.570 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 1.338 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 6.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 17.225 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

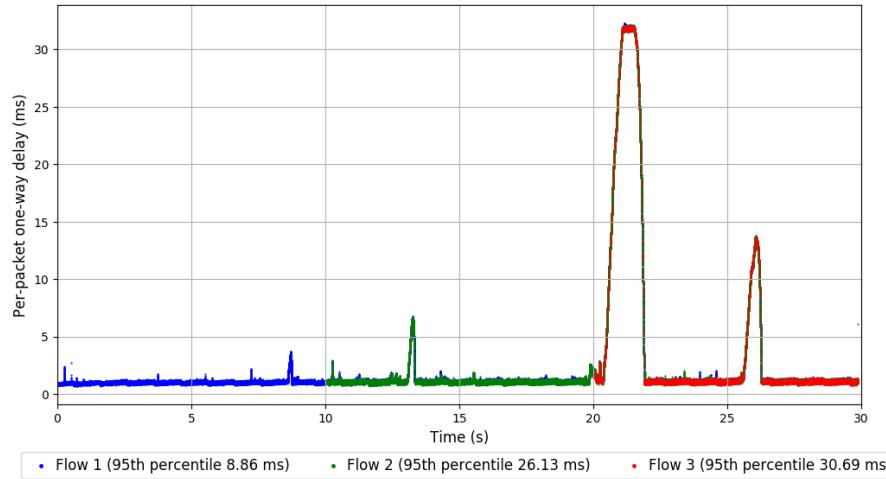
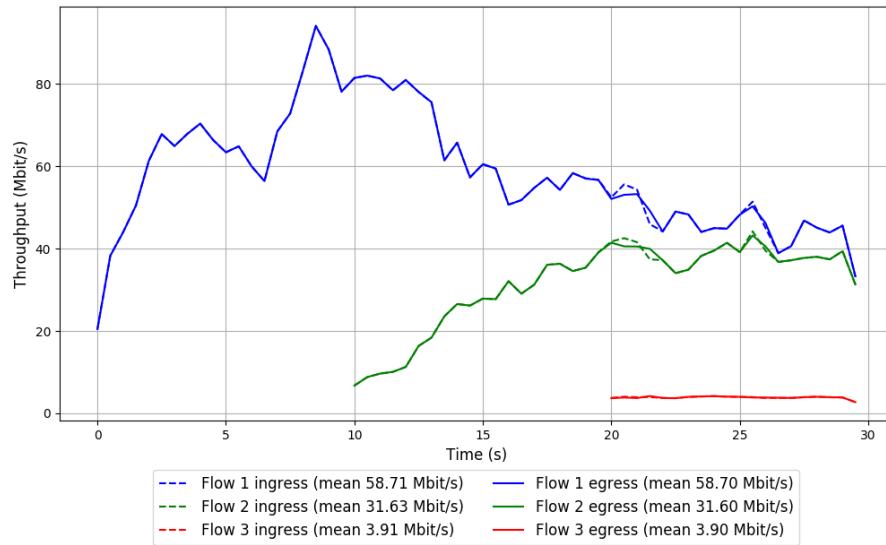


Run 2: Statistics of PCC

```
Start at: 2018-03-13 18:05:43
End at: 2018-03-13 18:06:13
Local clock offset: -7.641 ms
Remote clock offset: -7.653 ms

# Below is generated by plot.py at 2018-03-13 21:23:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 13.349 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 8.857 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 26.134 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 30.688 ms
Loss rate: 0.26%
```

Run 2: Report of PCC — Data Link

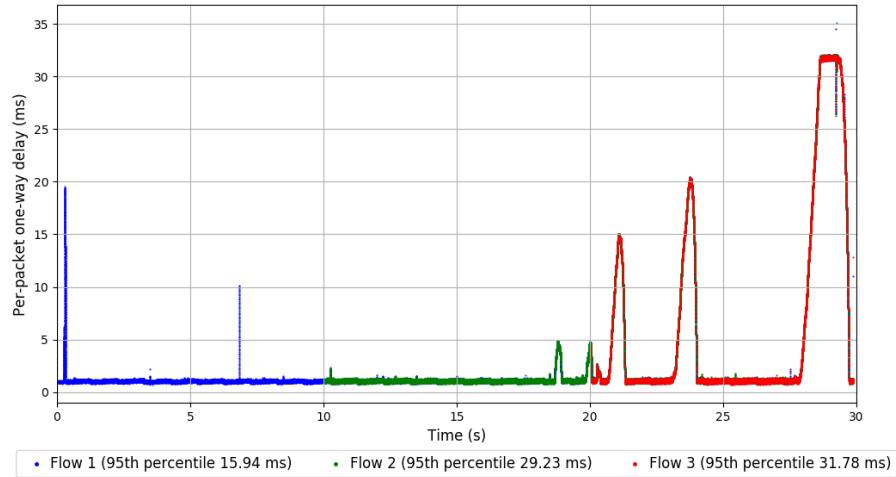
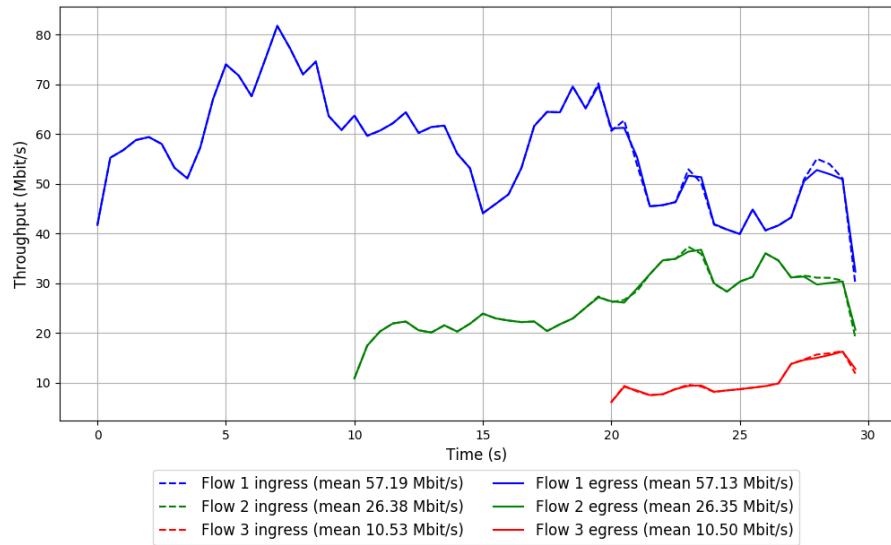


Run 3: Statistics of PCC

```
Start at: 2018-03-13 18:26:11
End at: 2018-03-13 18:26:41
Local clock offset: -6.816 ms
Remote clock offset: -6.887 ms

# Below is generated by plot.py at 2018-03-13 21:23:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 20.547 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 15.938 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 29.235 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 31.777 ms
Loss rate: 0.16%
```

Run 3: Report of PCC — Data Link

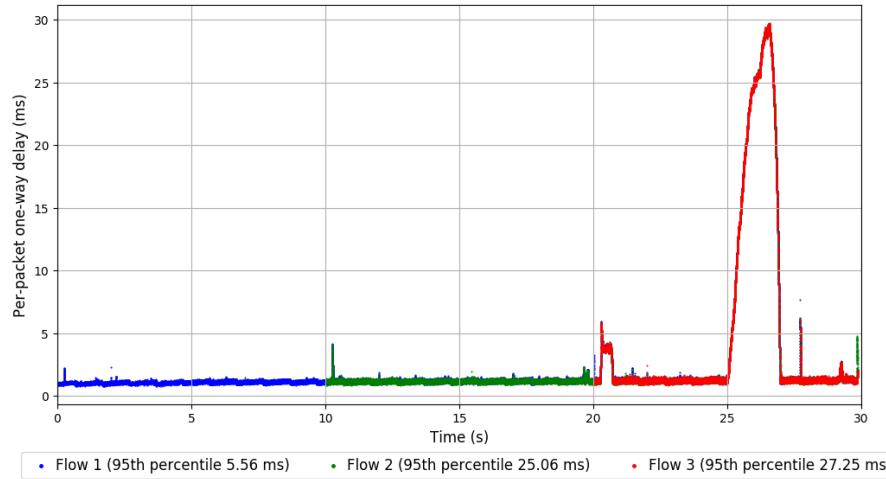
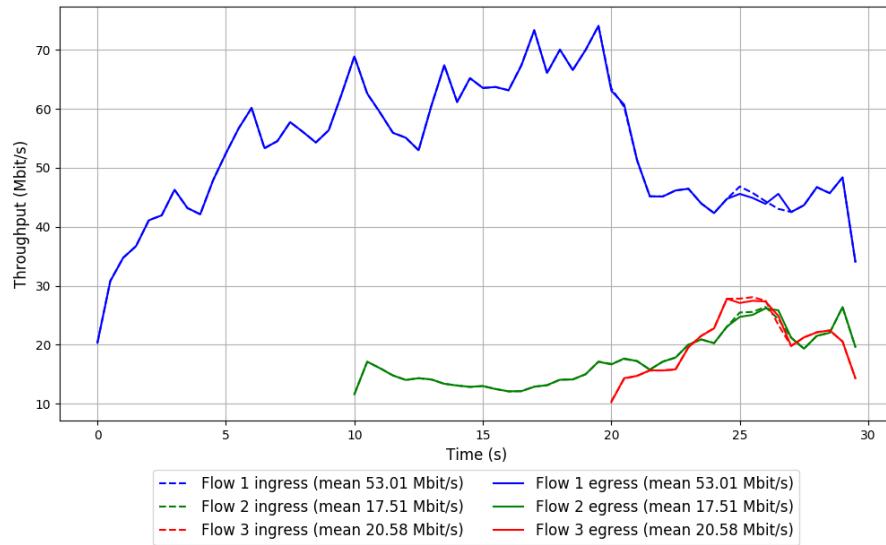


Run 4: Statistics of PCC

```
Start at: 2018-03-13 18:46:43
End at: 2018-03-13 18:47:13
Local clock offset: -4.478 ms
Remote clock offset: -6.406 ms

# Below is generated by plot.py at 2018-03-13 21:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 20.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 5.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 25.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 27.246 ms
Loss rate: 0.00%
```

Run 4: Report of PCC — Data Link

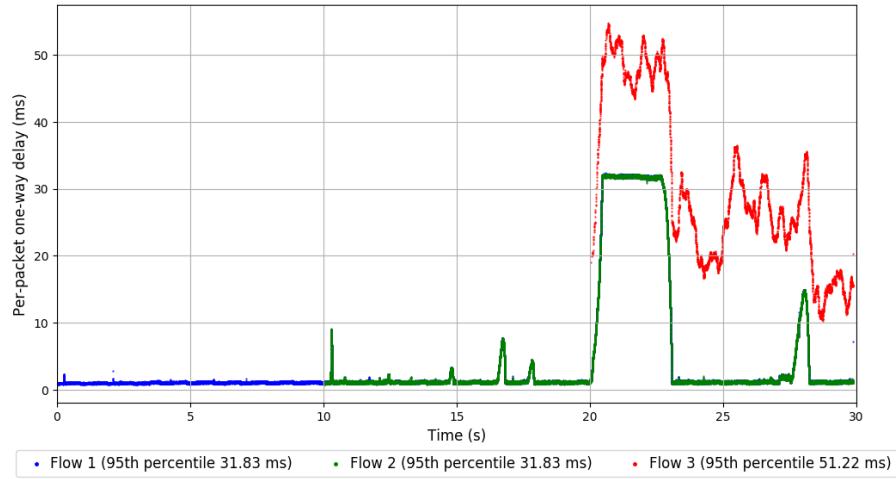
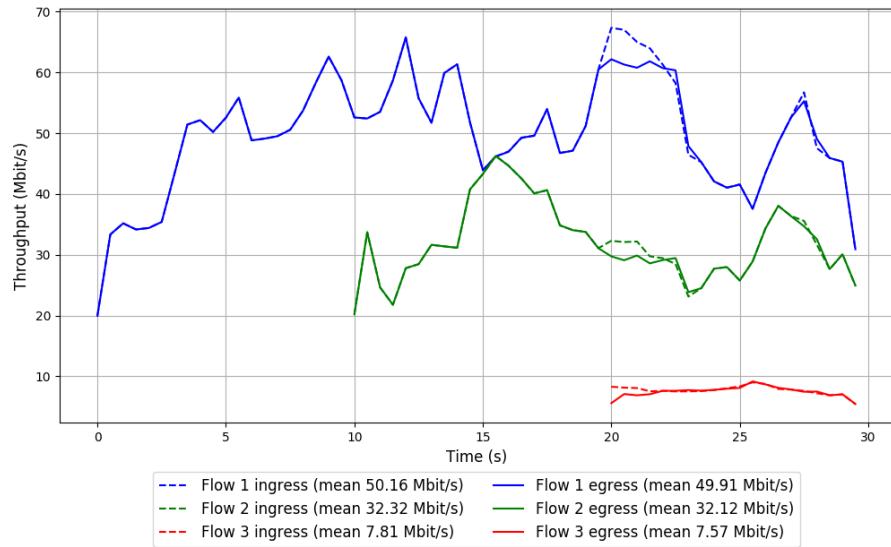


Run 5: Statistics of PCC

```
Start at: 2018-03-13 19:07:08
End at: 2018-03-13 19:07:38
Local clock offset: -2.341 ms
Remote clock offset: -6.48 ms

# Below is generated by plot.py at 2018-03-13 21:24:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 31.865 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 31.827 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 31.827 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 51.224 ms
Loss rate: 3.16%
```

Run 5: Report of PCC — Data Link

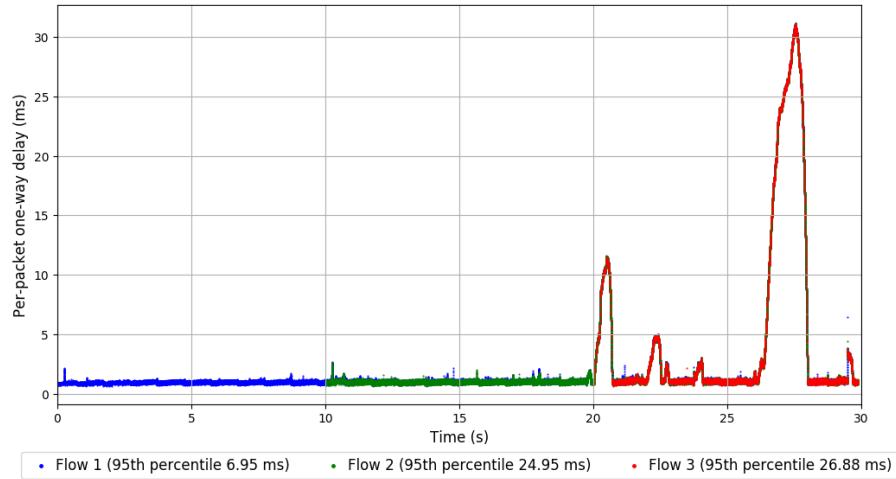
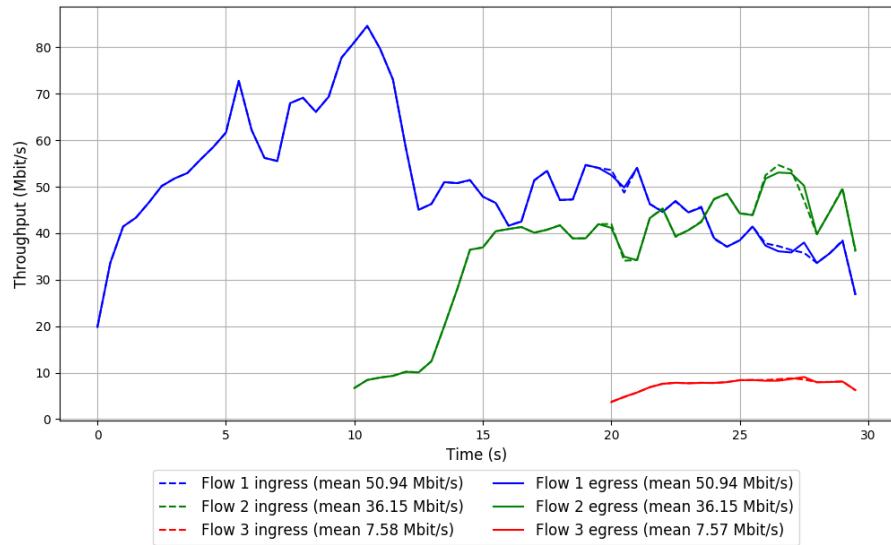


Run 6: Statistics of PCC

```
Start at: 2018-03-13 19:27:37
End at: 2018-03-13 19:28:07
Local clock offset: -2.686 ms
Remote clock offset: -6.493 ms

# Below is generated by plot.py at 2018-03-13 21:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 16.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 6.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 24.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 26.877 ms
Loss rate: 0.14%
```

Run 6: Report of PCC — Data Link

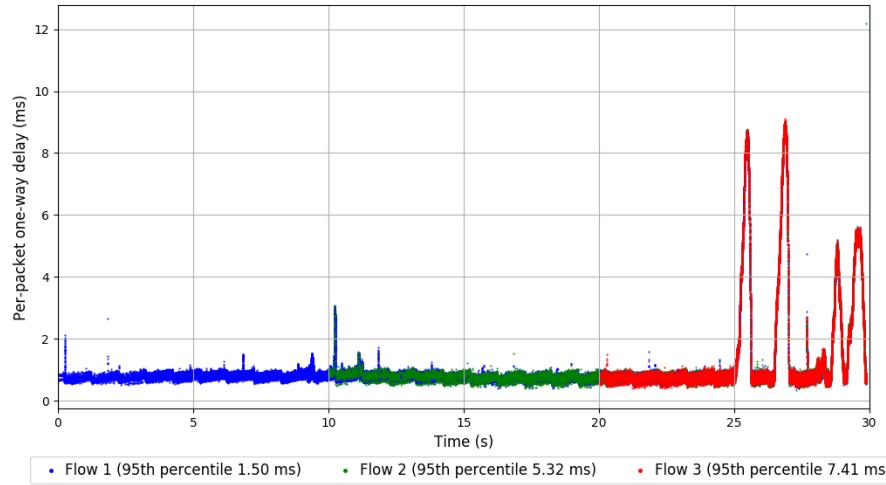
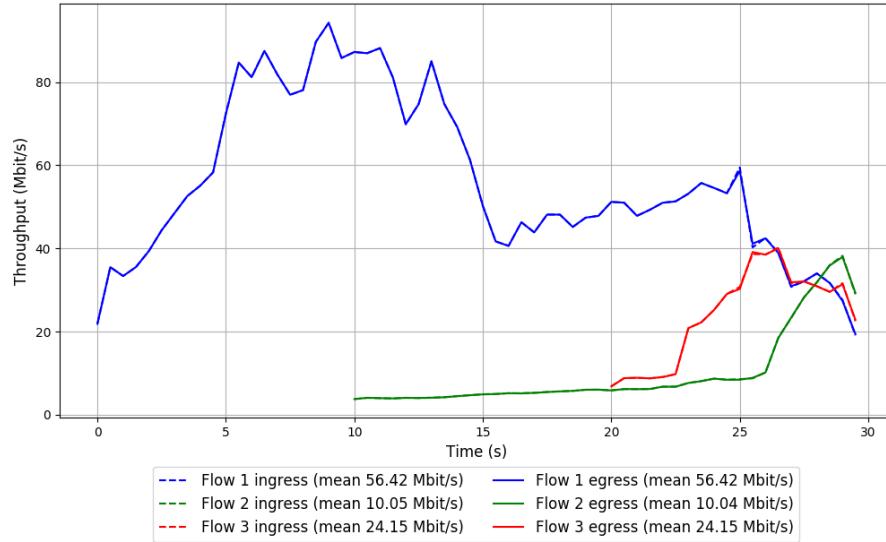


Run 7: Statistics of PCC

```
Start at: 2018-03-13 19:48:04
End at: 2018-03-13 19:48:34
Local clock offset: -2.793 ms
Remote clock offset: -6.389 ms

# Below is generated by plot.py at 2018-03-13 21:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 4.189 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 1.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 5.315 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 7.409 ms
Loss rate: 0.00%
```

Run 7: Report of PCC — Data Link

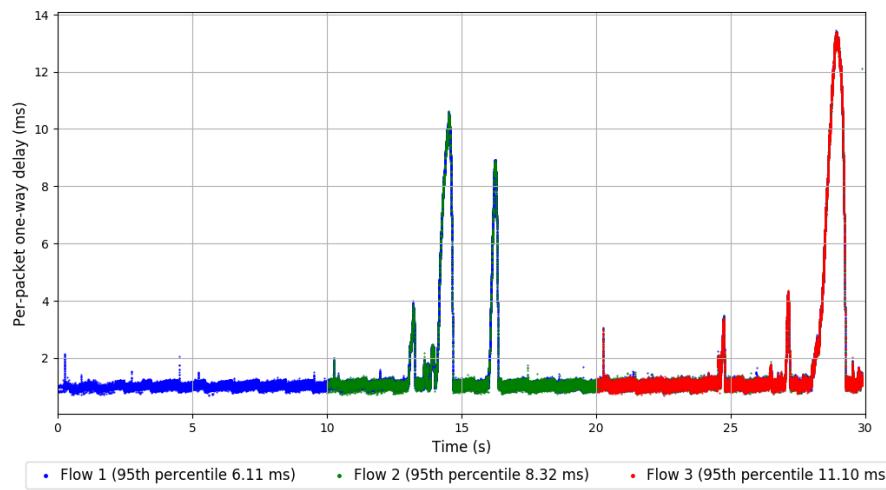
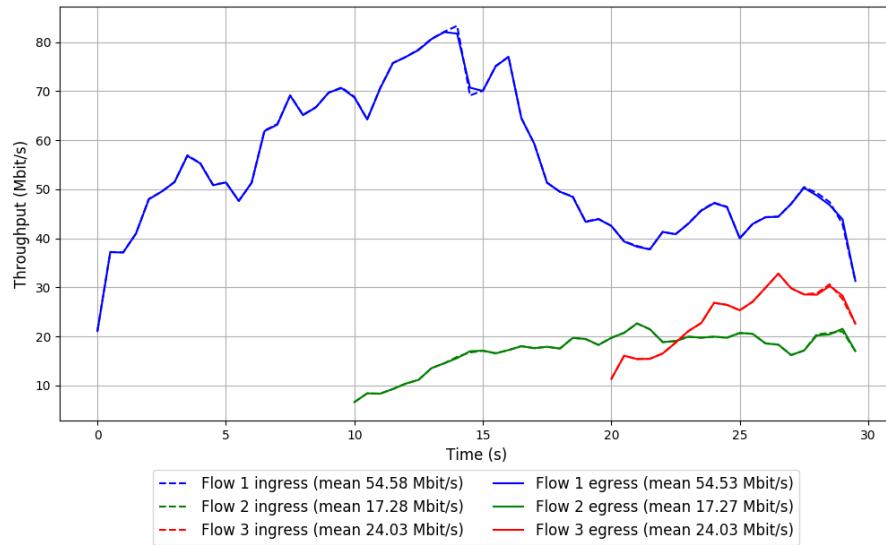


Run 8: Statistics of PCC

```
Start at: 2018-03-13 20:08:32
End at: 2018-03-13 20:09:02
Local clock offset: -6.597 ms
Remote clock offset: -6.563 ms

# Below is generated by plot.py at 2018-03-13 21:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 7.200 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 6.107 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 8.322 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 11.095 ms
Loss rate: 0.00%
```

Run 8: Report of PCC — Data Link

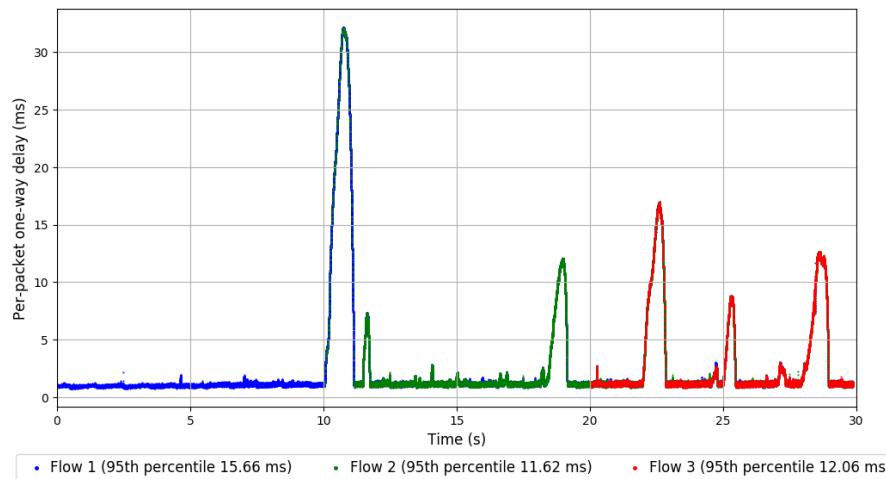
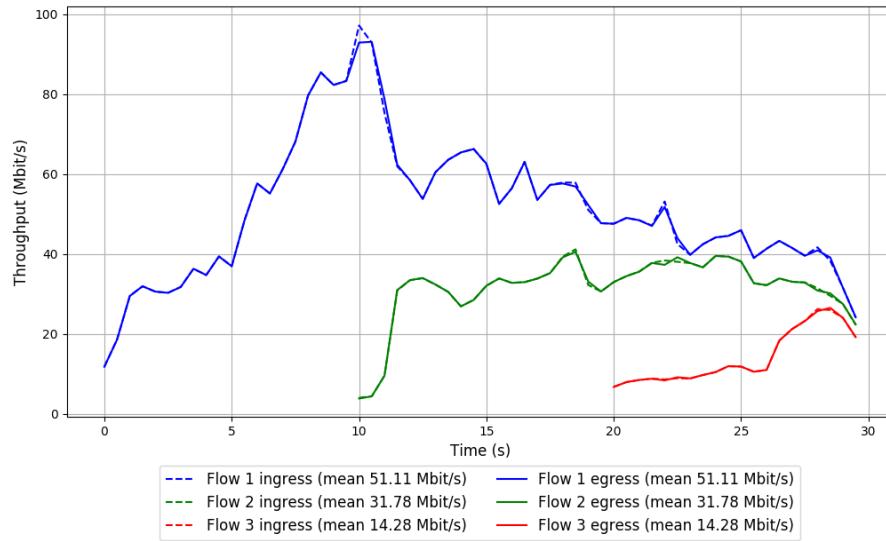


Run 9: Statistics of PCC

```
Start at: 2018-03-13 20:29:00
End at: 2018-03-13 20:29:30
Local clock offset: -6.777 ms
Remote clock offset: -6.703 ms

# Below is generated by plot.py at 2018-03-13 21:24:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 12.472 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.11 Mbit/s
95th percentile per-packet one-way delay: 15.662 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 11.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 12.058 ms
Loss rate: 0.01%
```

Run 9: Report of PCC — Data Link

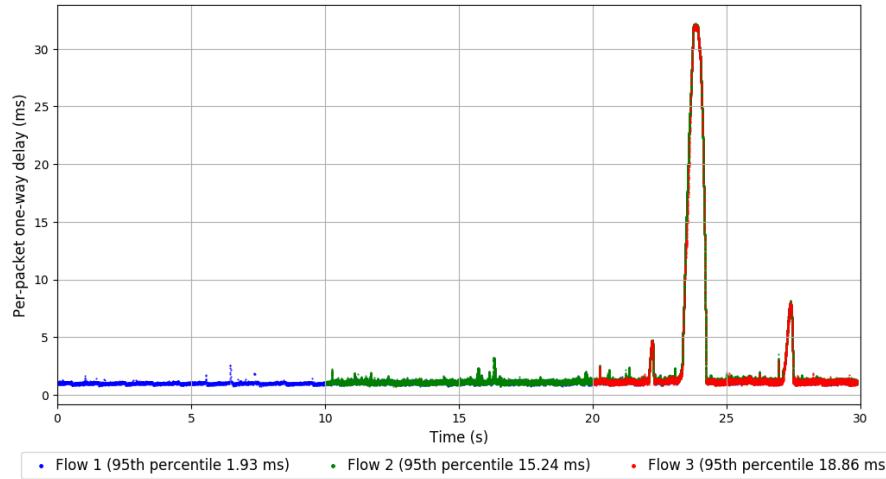
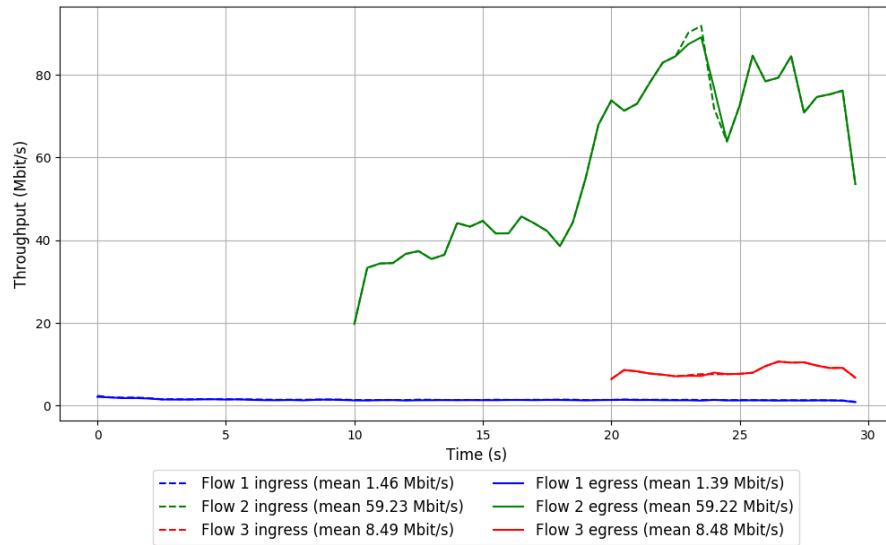


Run 10: Statistics of PCC

```
Start at: 2018-03-13 20:49:26
End at: 2018-03-13 20:49:56
Local clock offset: -6.728 ms
Remote clock offset: -6.679 ms

# Below is generated by plot.py at 2018-03-13 21:24:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 14.634 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 1.931 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 15.239 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.12%
```

Run 10: Report of PCC — Data Link

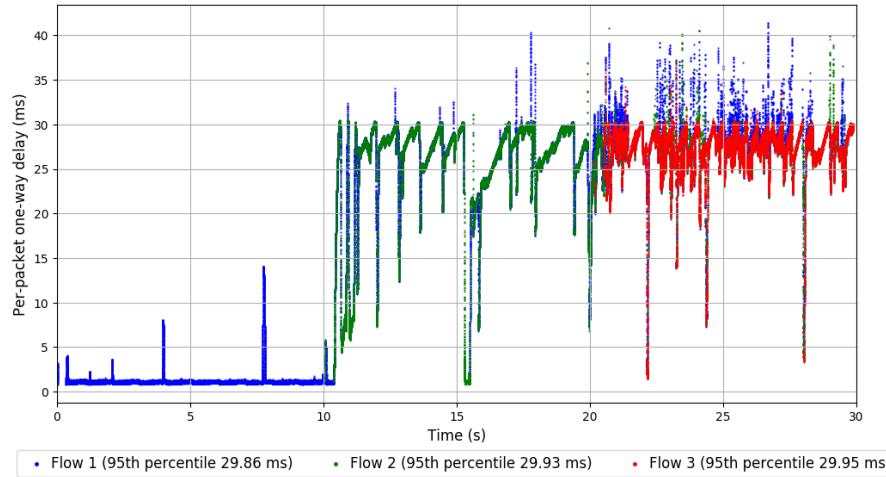
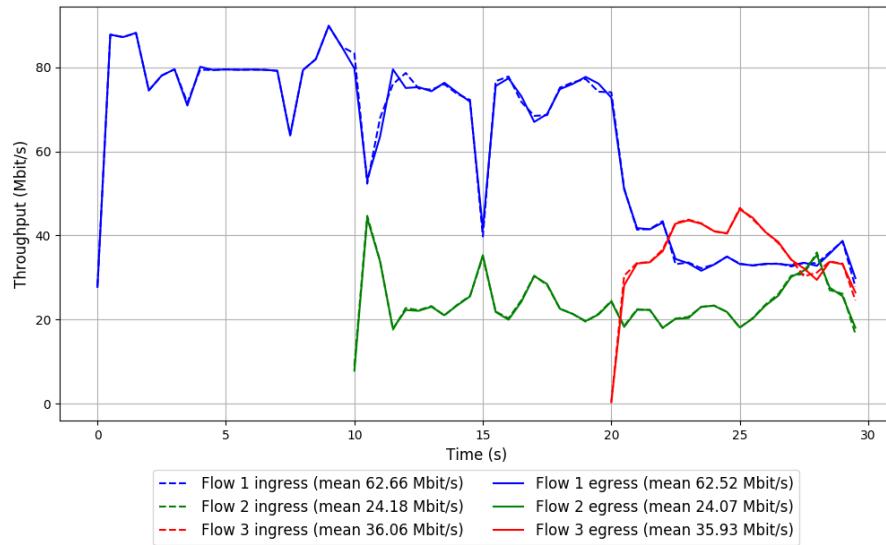


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 17:28:13
End at: 2018-03-13 17:28:43
Local clock offset: -3.716 ms
Remote clock offset: -7.063 ms

# Below is generated by plot.py at 2018-03-13 21:24:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 29.862 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 29.927 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 29.953 ms
Loss rate: 0.19%
```

Run 1: Report of QUIC Cubic — Data Link

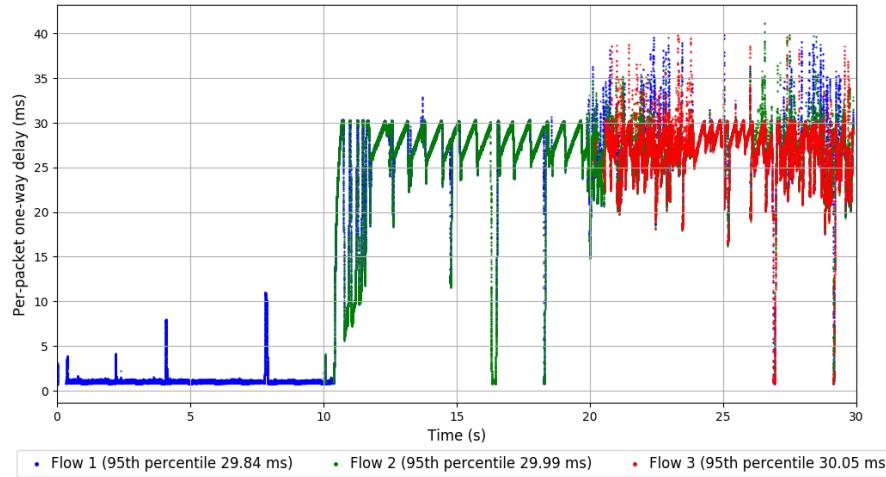
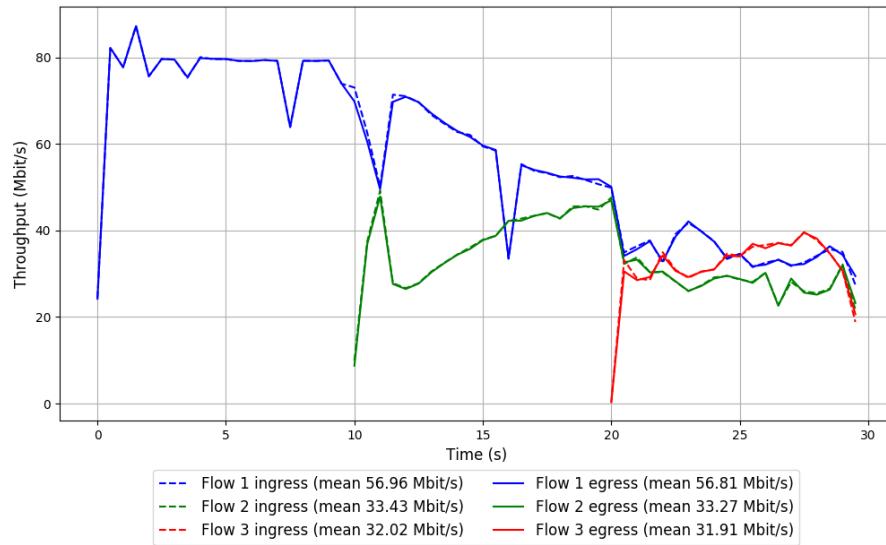


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-03-13 17:48:40
End at: 2018-03-13 17:49:10
Local clock offset: -6.596 ms
Remote clock offset: -7.34 ms

# Below is generated by plot.py at 2018-03-13 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 29.918 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 29.842 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 30.055 ms
Loss rate: 0.30%
```

Run 2: Report of QUIC Cubic — Data Link

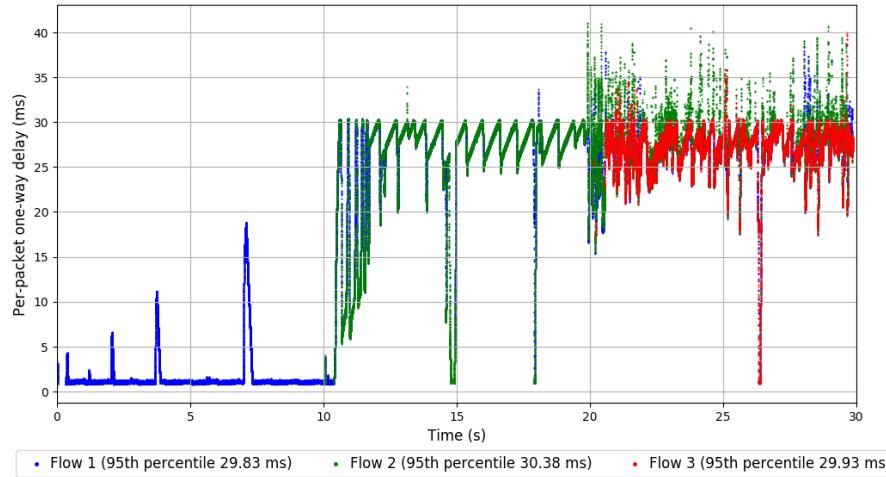
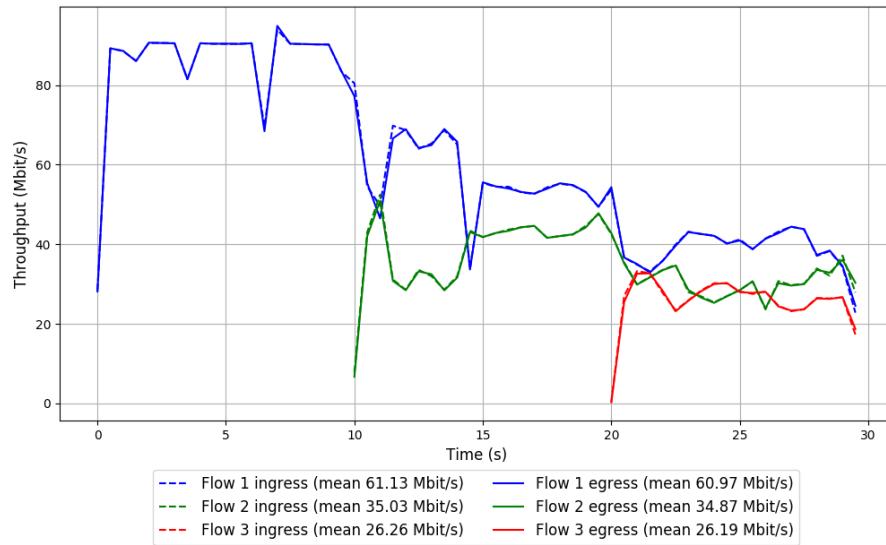


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-03-13 18:09:07
End at: 2018-03-13 18:09:38
Local clock offset: -7.245 ms
Remote clock offset: -7.71 ms

# Below is generated by plot.py at 2018-03-13 21:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 29.957 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 29.829 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 30.384 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 29.931 ms
Loss rate: 0.22%
```

Run 3: Report of QUIC Cubic — Data Link

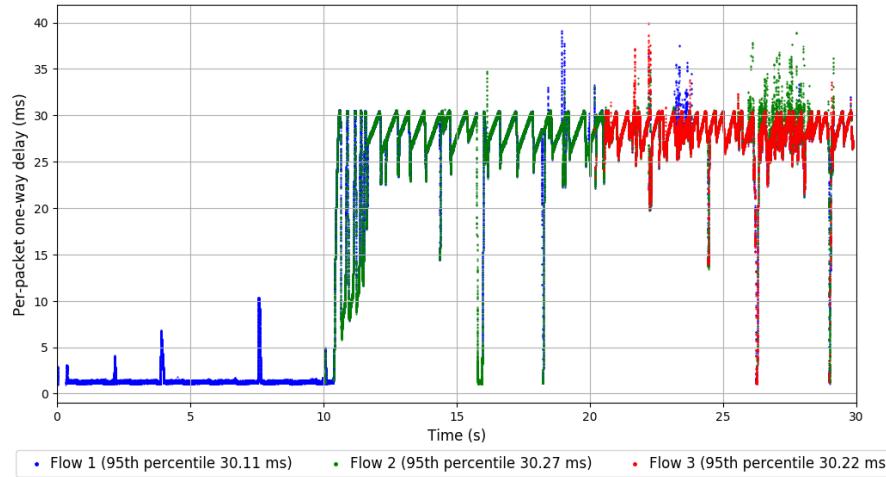
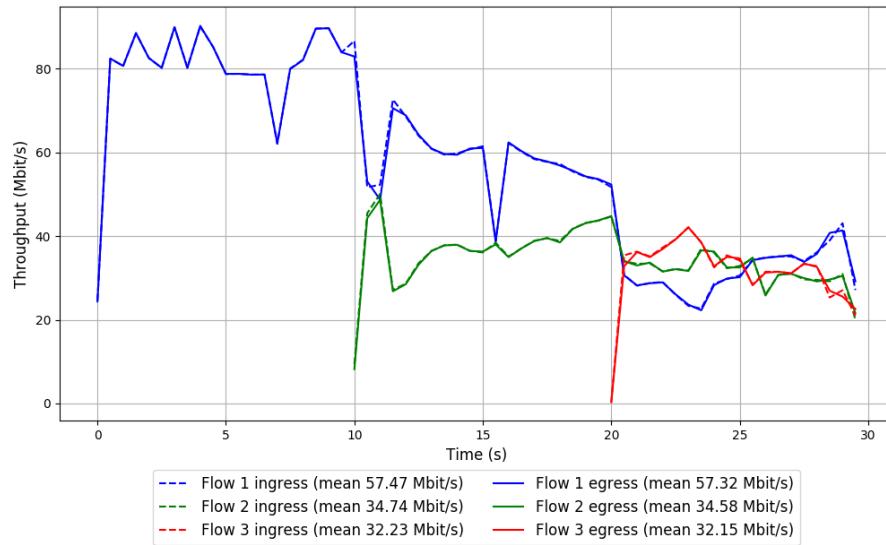


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-03-13 18:29:35
End at: 2018-03-13 18:30:05
Local clock offset: -7.148 ms
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-03-13 21:25:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 30.186 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 30.267 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 30.220 ms
Loss rate: 0.24%
```

Run 4: Report of QUIC Cubic — Data Link

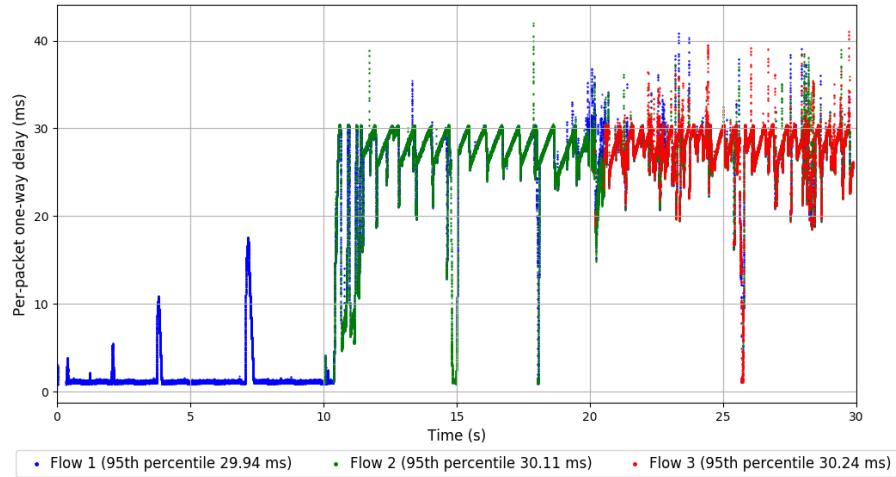
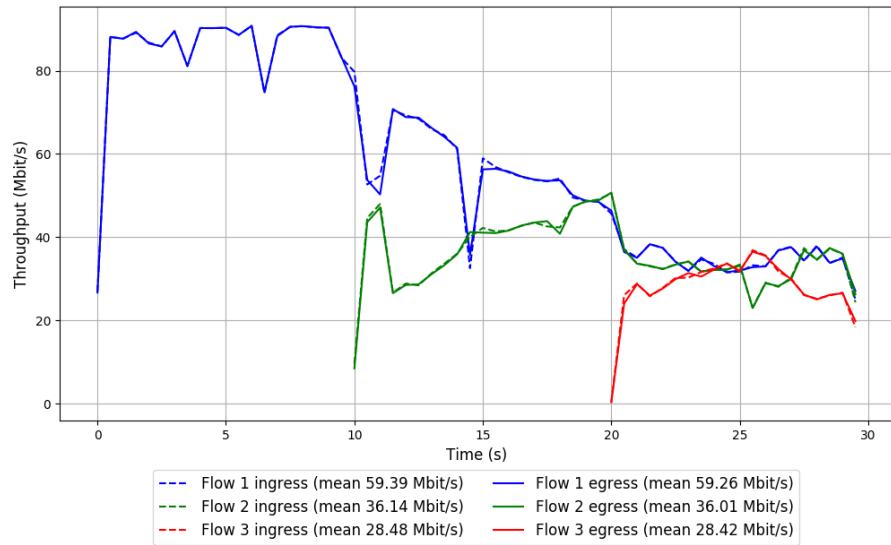


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-03-13 18:50:08
End at: 2018-03-13 18:50:38
Local clock offset: -3.854 ms
Remote clock offset: -6.425 ms

# Below is generated by plot.py at 2018-03-13 21:25:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 30.048 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 29.941 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 30.105 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 30.243 ms
Loss rate: 0.22%
```

Run 5: Report of QUIC Cubic — Data Link

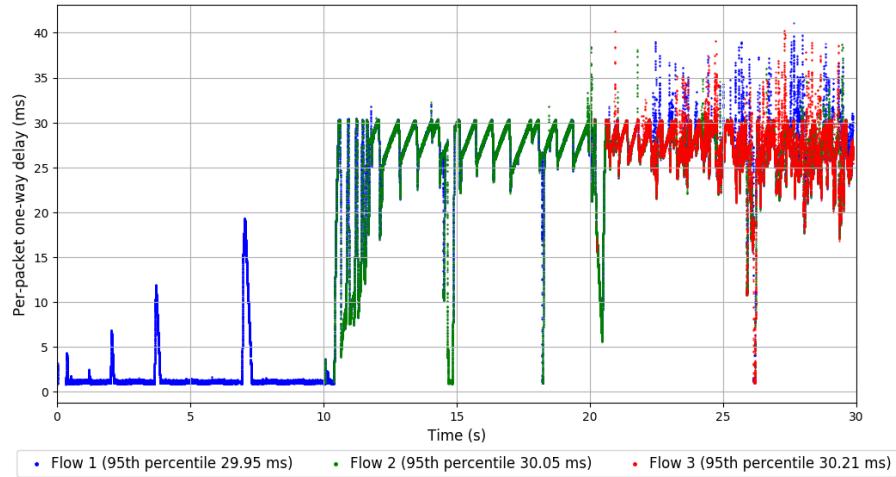
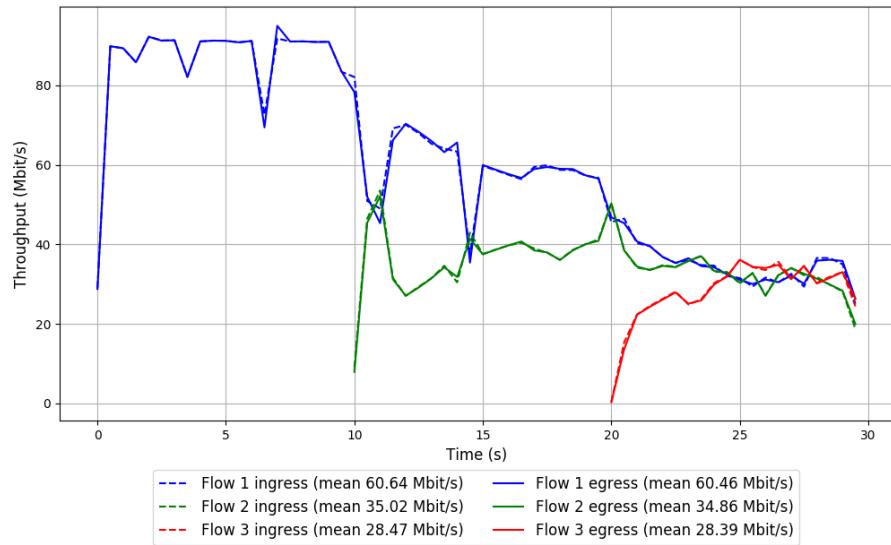


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-03-13 19:10:33
End at: 2018-03-13 19:11:03
Local clock offset: -2.222 ms
Remote clock offset: -6.515 ms

# Below is generated by plot.py at 2018-03-13 21:26:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 30.012 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 60.46 Mbit/s
95th percentile per-packet one-way delay: 29.945 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 30.046 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 30.210 ms
Loss rate: 0.28%
```

Run 6: Report of QUIC Cubic — Data Link

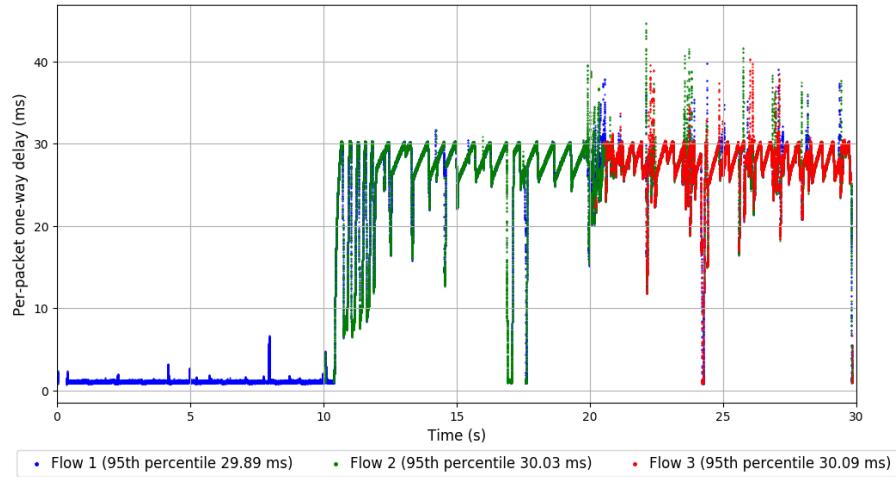
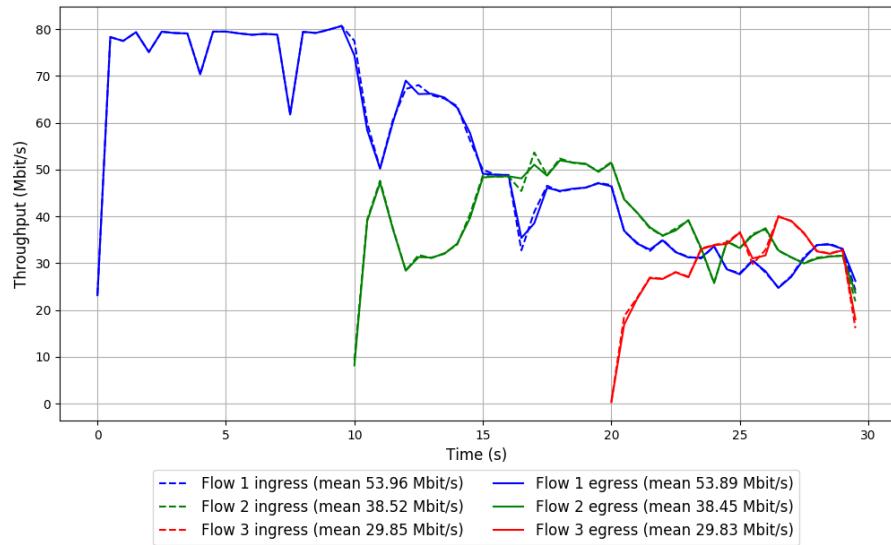


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-03-13 19:31:00
End at: 2018-03-13 19:31:30
Local clock offset: -2.755 ms
Remote clock offset: -6.493 ms

# Below is generated by plot.py at 2018-03-13 21:26:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 29.888 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 30.028 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 30.093 ms
Loss rate: 0.22%
```

Run 7: Report of QUIC Cubic — Data Link

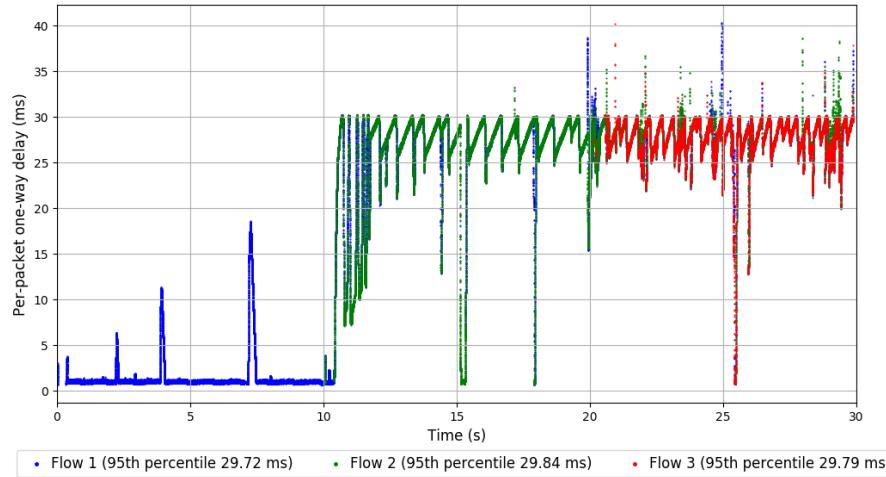
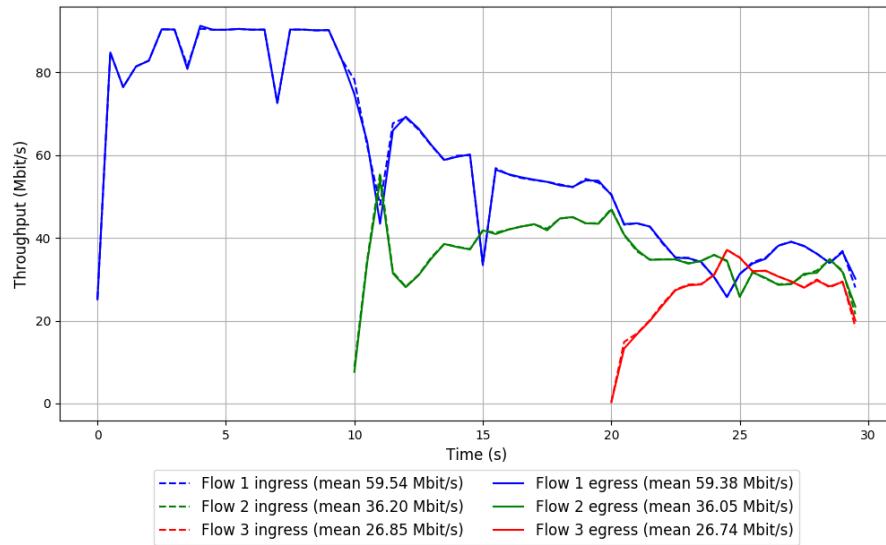


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-03-13 19:51:28
End at: 2018-03-13 19:51:58
Local clock offset: -3.965 ms
Remote clock offset: -6.355 ms

# Below is generated by plot.py at 2018-03-13 21:26:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 29.774 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 29.717 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 29.843 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 29.793 ms
Loss rate: 0.30%
```

Run 8: Report of QUIC Cubic — Data Link

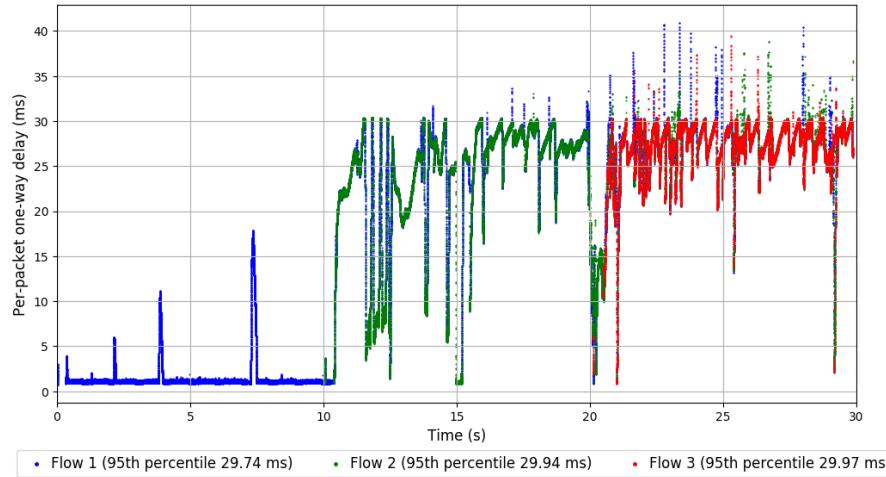
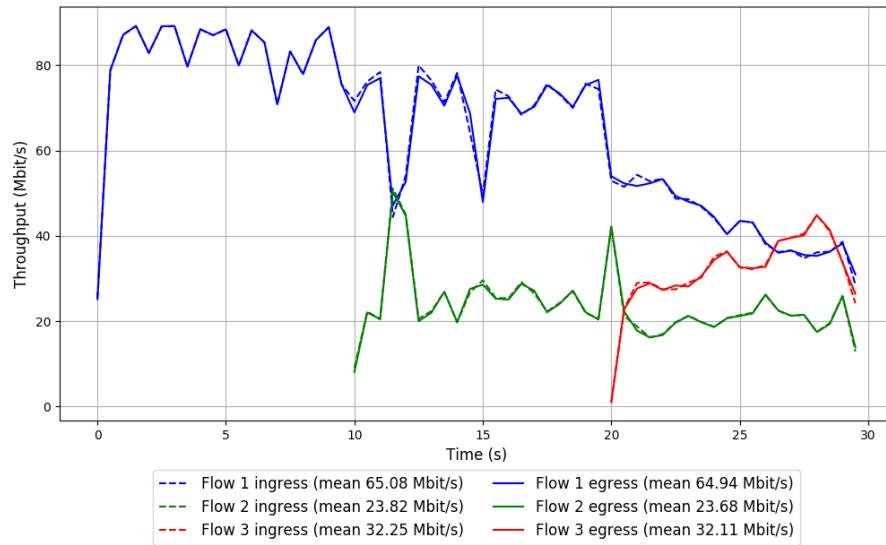


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-03-13 20:11:56
End at: 2018-03-13 20:12:26
Local clock offset: -6.874 ms
Remote clock offset: -6.607 ms

# Below is generated by plot.py at 2018-03-13 21:26:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 29.837 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 29.737 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 29.942 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 0.12%
```

Run 9: Report of QUIC Cubic — Data Link

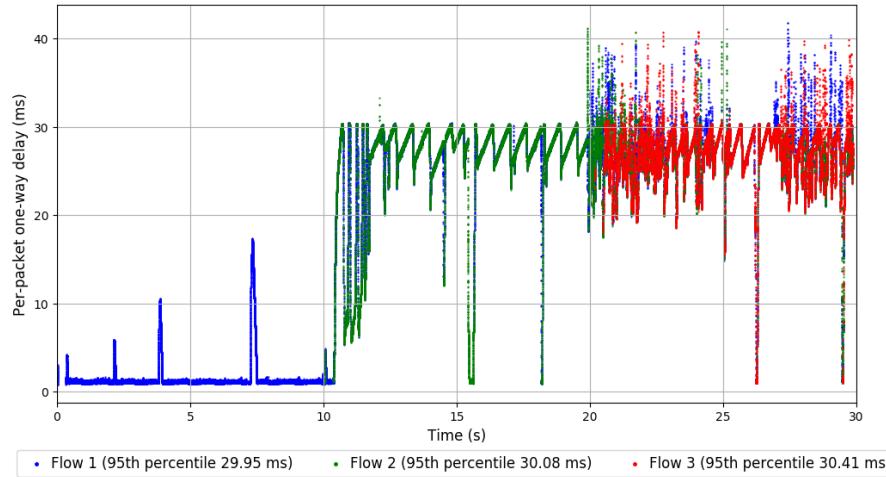
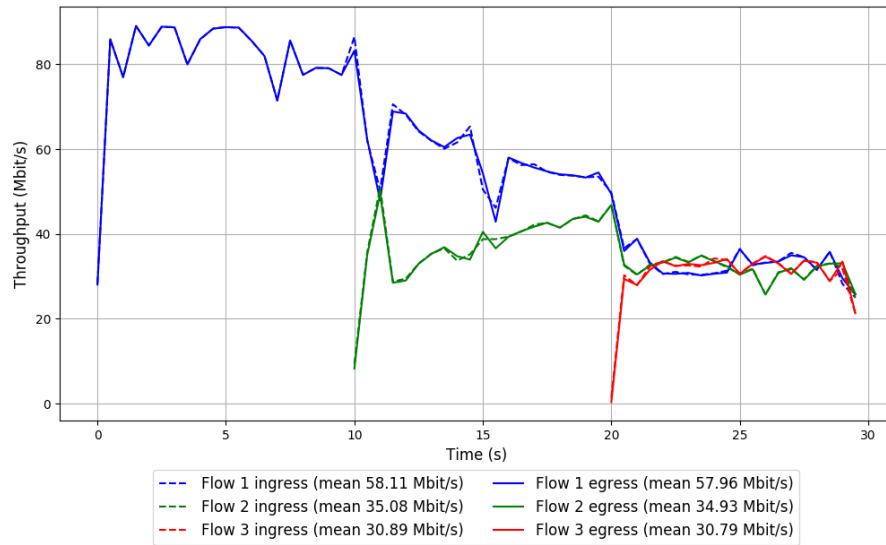


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-03-13 20:32:25
End at: 2018-03-13 20:32:55
Local clock offset: -6.62 ms
Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 30.039 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 29.953 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 30.079 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.27%
```

Run 10: Report of QUIC Cubic — Data Link

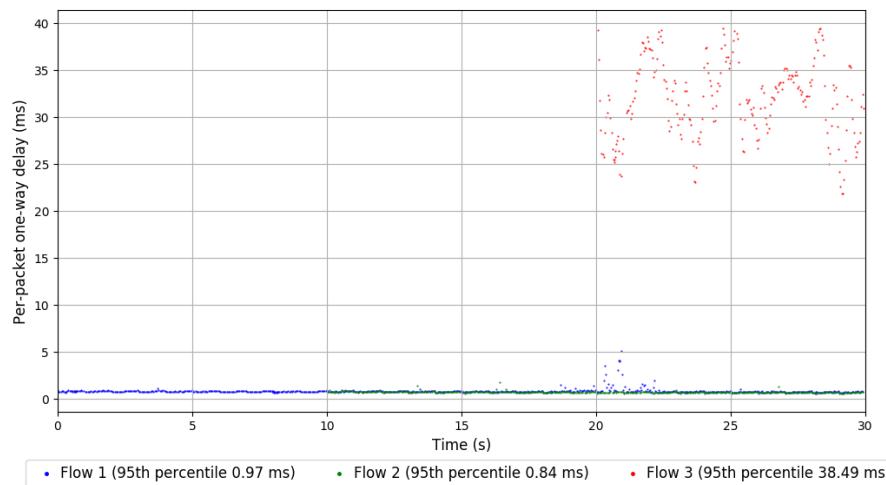
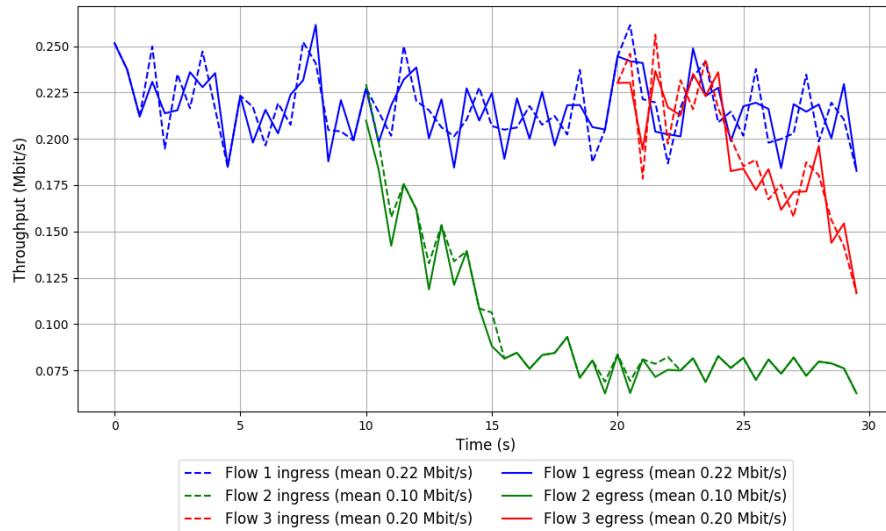


```
Run 1: Statistics of SCReAM

Start at: 2018-03-13 17:37:20
End at: 2018-03-13 17:37:50
Local clock offset: -5.109 ms
Remote clock offset: -7.144 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 0.836 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 38.494 ms
Loss rate: 0.49%
```

Run 1: Report of SCReAM — Data Link

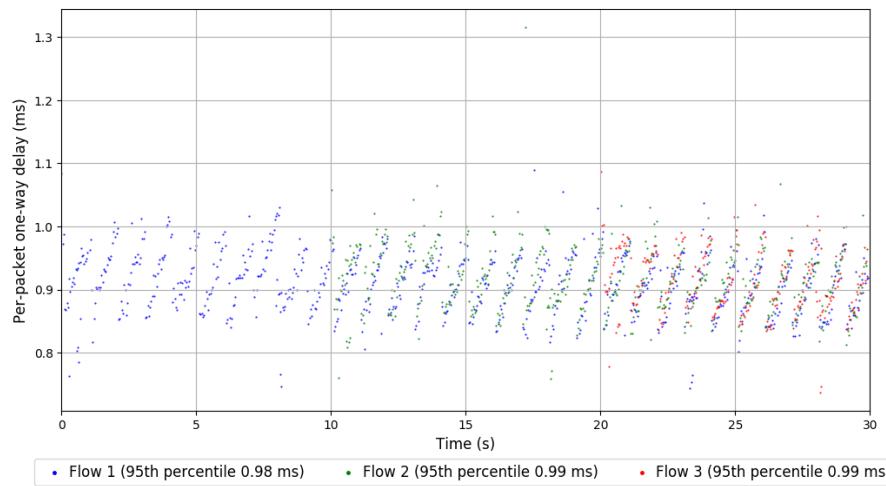
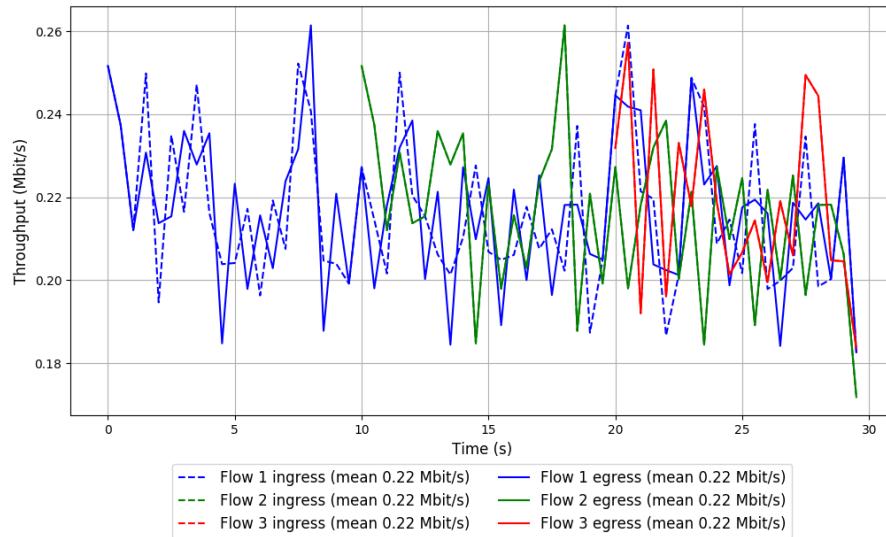


Run 2: Statistics of SCReAM

```
Start at: 2018-03-13 17:57:47
End at: 2018-03-13 17:58:17
Local clock offset: -7.29 ms
Remote clock offset: -7.454 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

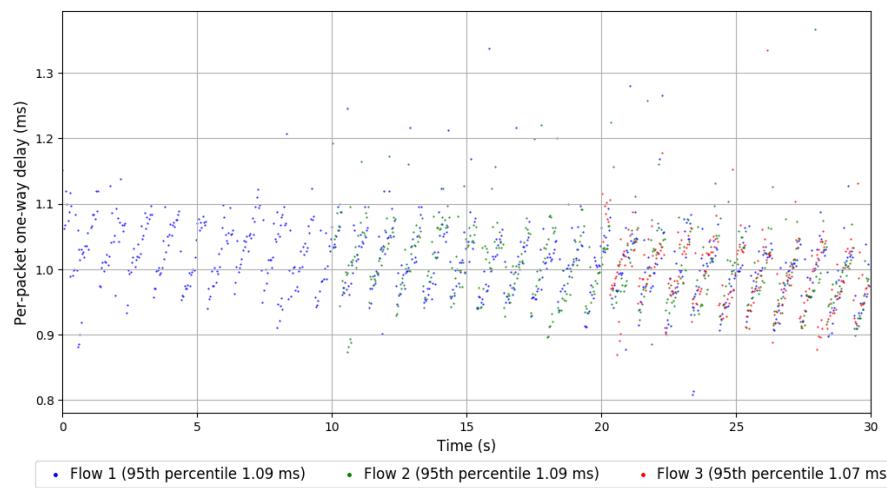
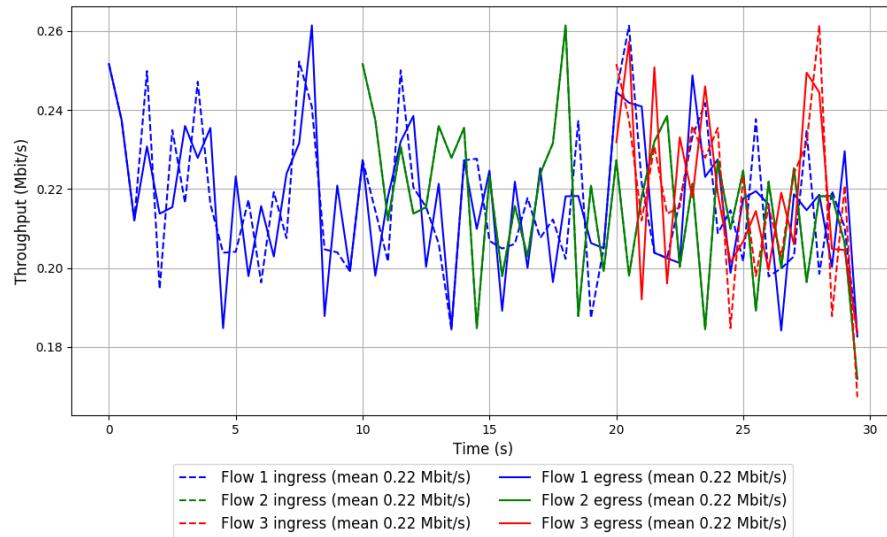


Run 3: Statistics of SCReAM

```
Start at: 2018-03-13 18:18:15
End at: 2018-03-13 18:18:45
Local clock offset: -6.91 ms
Remote clock offset: -7.608 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

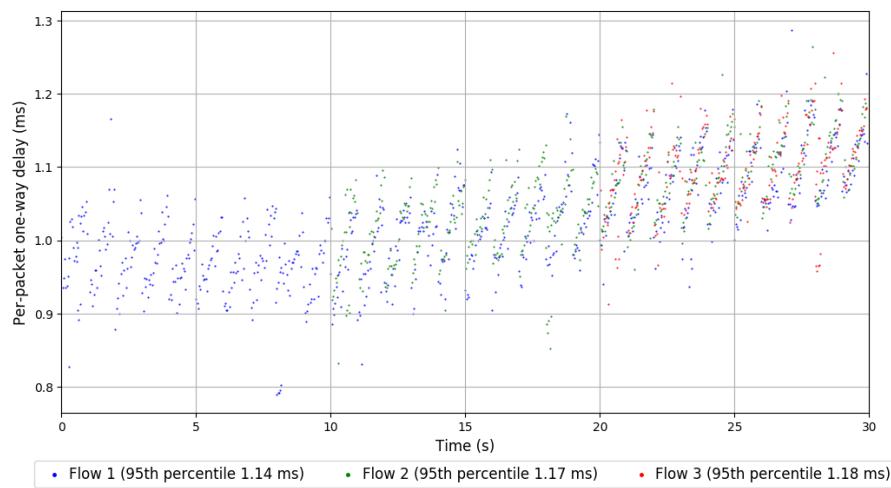
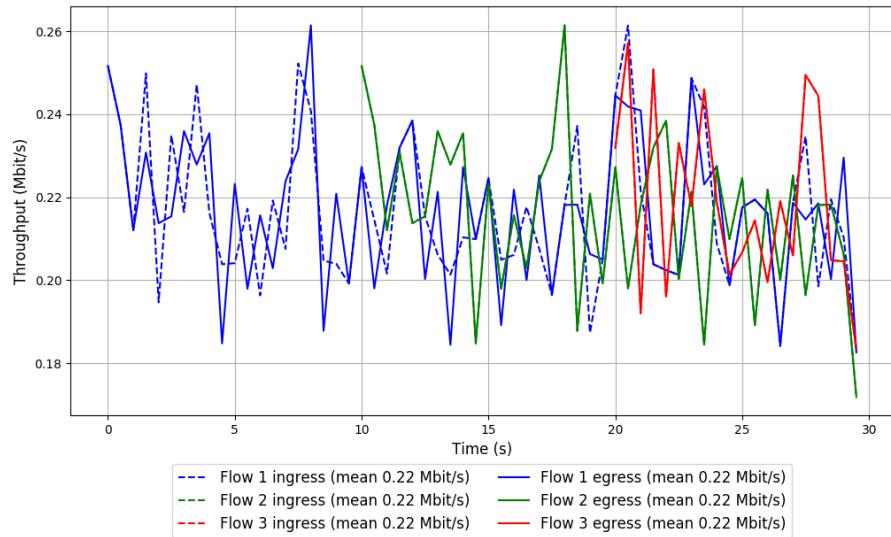


Run 4: Statistics of SCReAM

```
Start at: 2018-03-13 18:38:48
End at: 2018-03-13 18:39:18
Local clock offset: -7.105 ms
Remote clock offset: -6.44 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

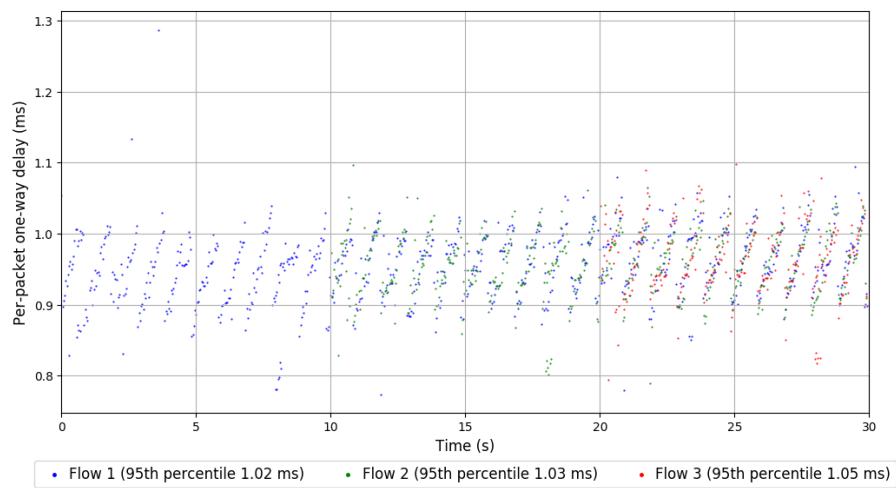
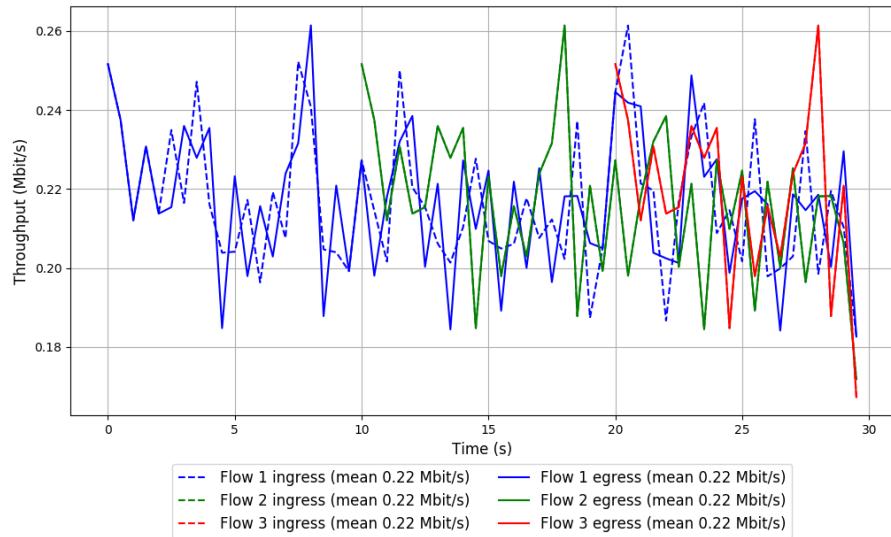


Run 5: Statistics of SCReAM

```
Start at: 2018-03-13 18:59:13
End at: 2018-03-13 18:59:43
Local clock offset: -2.799 ms
Remote clock offset: -6.453 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

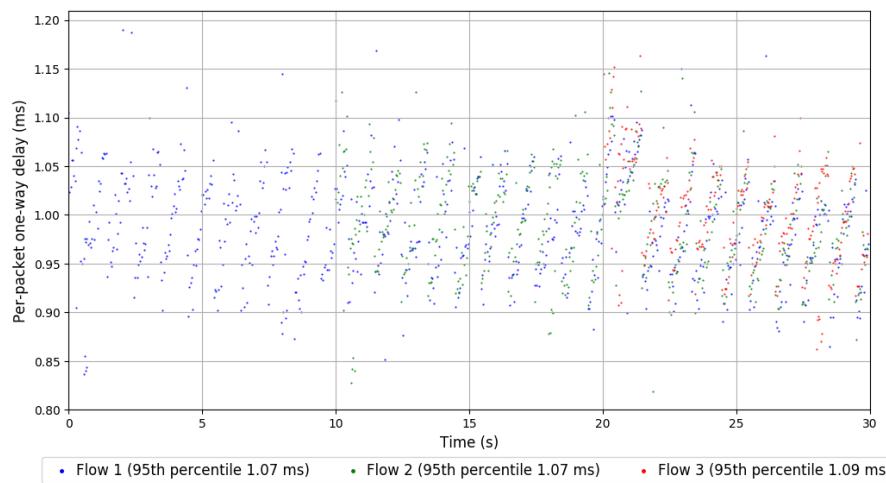
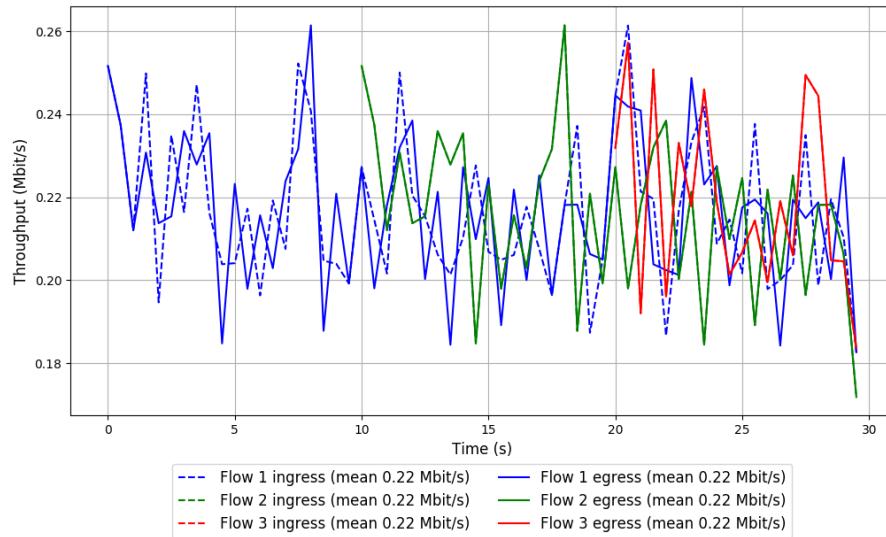


Run 6: Statistics of SCReAM

```
Start at: 2018-03-13 19:19:41
End at: 2018-03-13 19:20:11
Local clock offset: -2.634 ms
Remote clock offset: -6.547 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

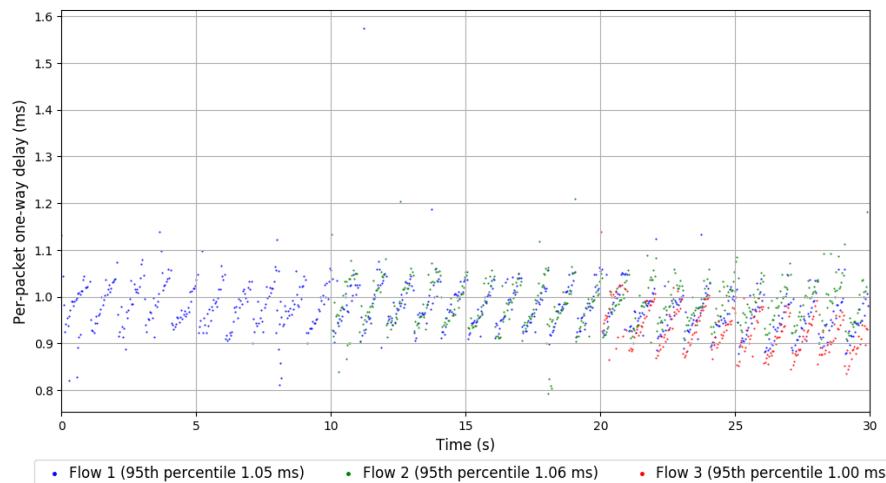
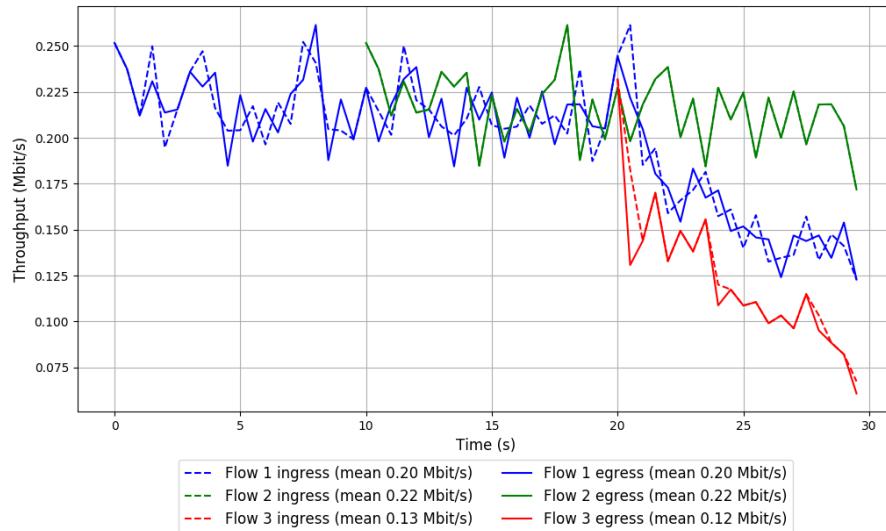


Run 7: Statistics of SCReAM

```
Start at: 2018-03-13 19:40:08
End at: 2018-03-13 19:40:38
Local clock offset: -2.756 ms
Remote clock offset: -6.409 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 3.10%
```

Run 7: Report of SCReAM — Data Link

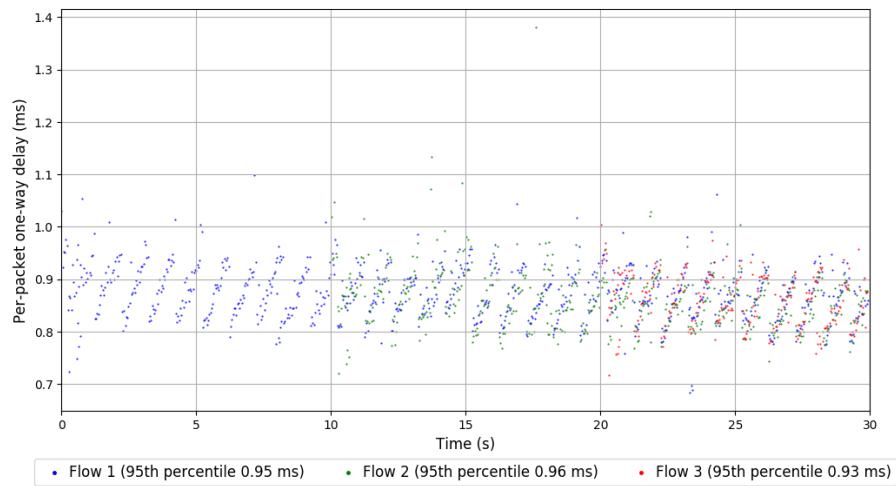
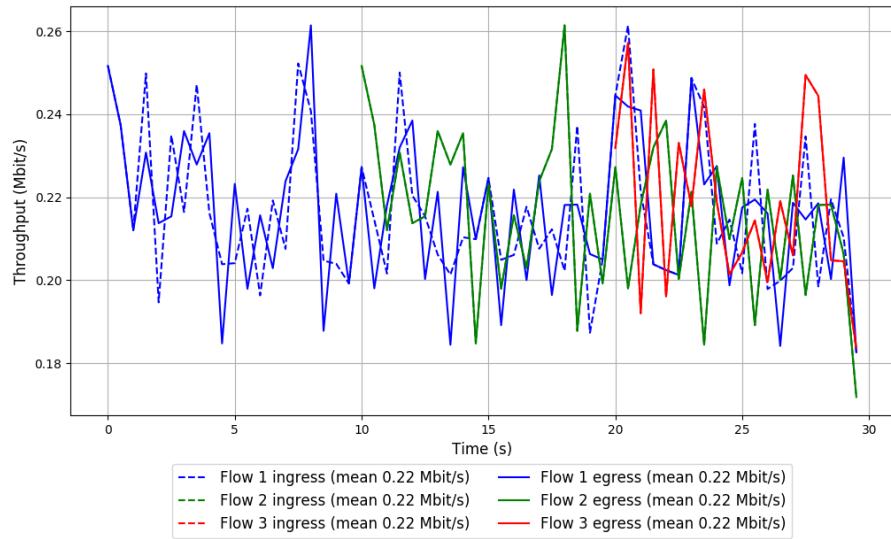


Run 8: Statistics of SCReAM

```
Start at: 2018-03-13 20:00:37
End at: 2018-03-13 20:01:07
Local clock offset: -5.723 ms
Remote clock offset: -6.331 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.930 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

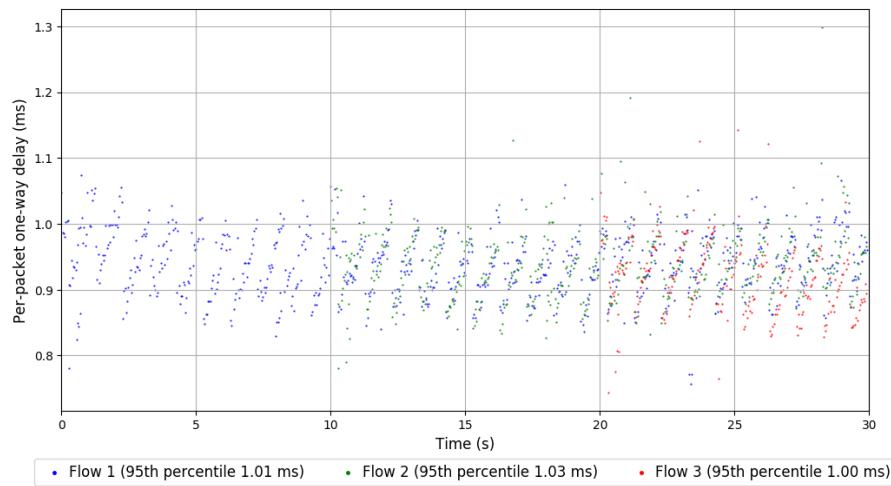
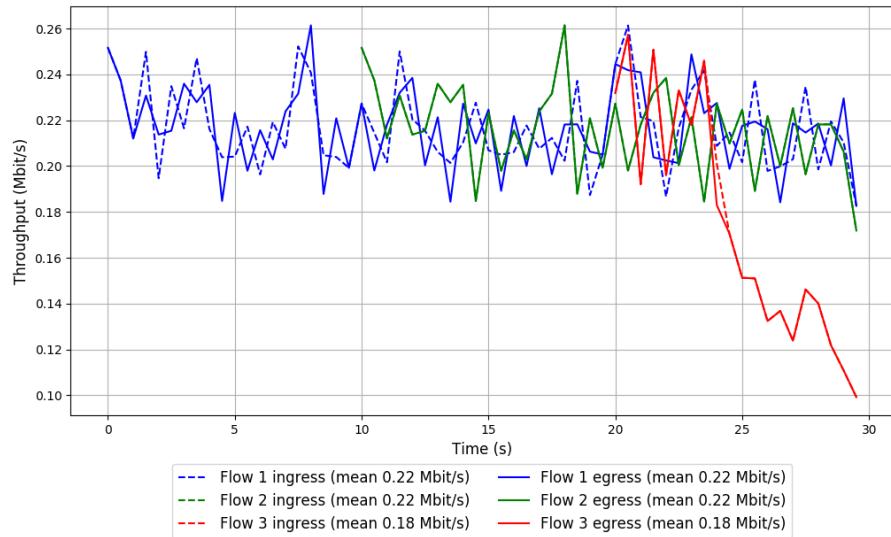


Run 9: Statistics of SCReAM

```
Start at: 2018-03-13 20:21:04
End at: 2018-03-13 20:21:34
Local clock offset: -7.452 ms
Remote clock offset: -6.659 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

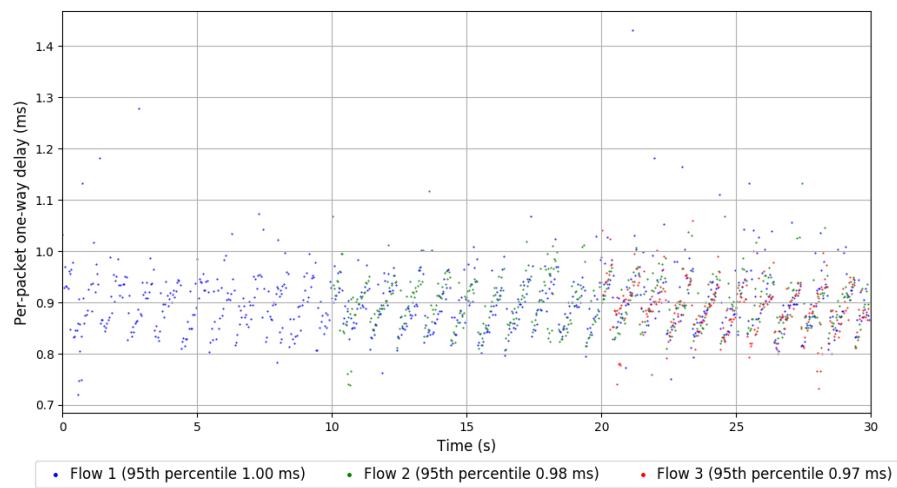
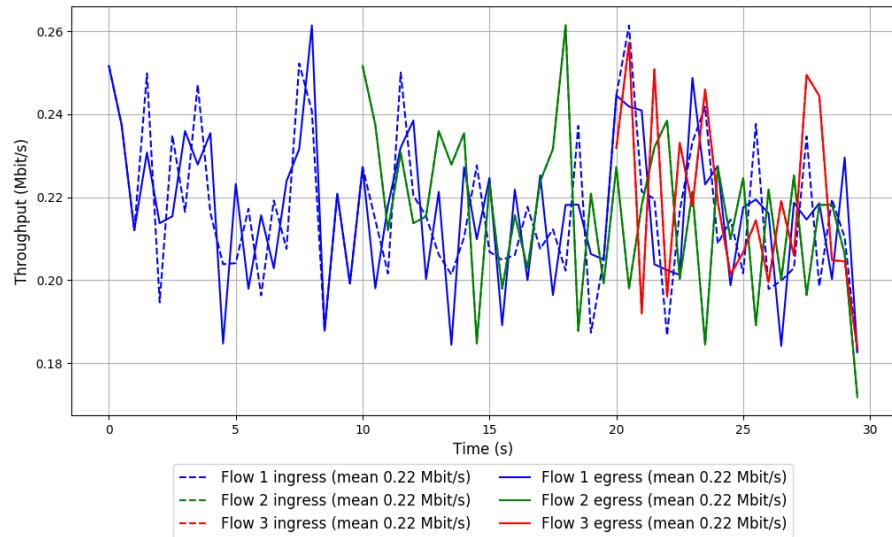


Run 10: Statistics of SCReAM

```
Start at: 2018-03-13 20:41:31
End at: 2018-03-13 20:42:01
Local clock offset: -6.557 ms
Remote clock offset: -6.754 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.966 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

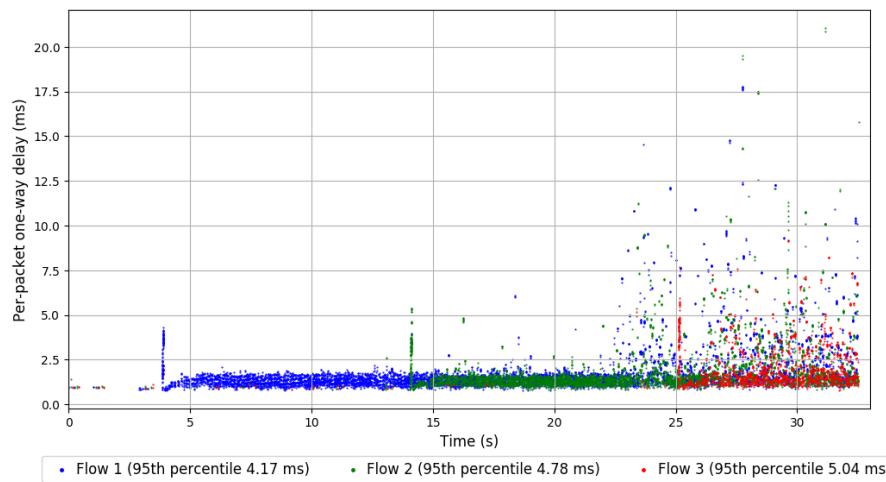
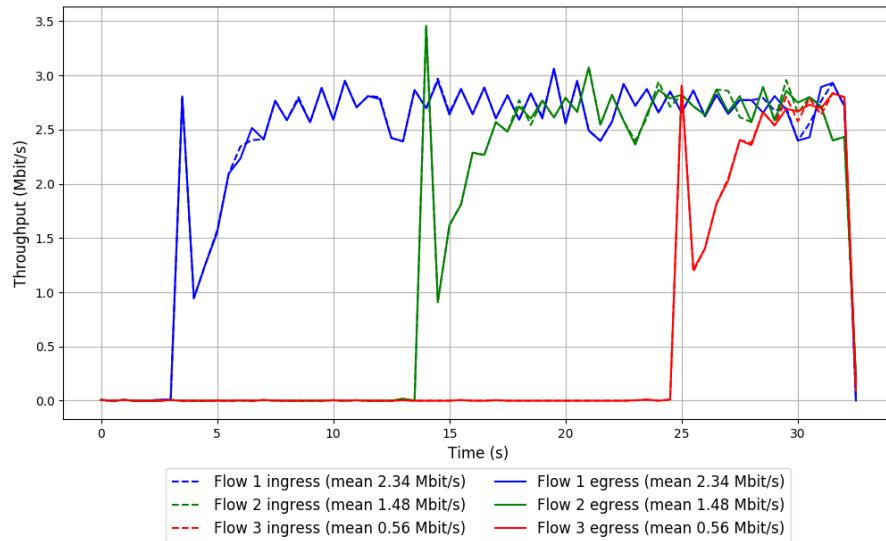


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-13 17:29:21
End at: 2018-03-13 17:29:51
Local clock offset: -3.703 ms
Remote clock offset: -7.017 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 4.672 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 4.175 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 4.775 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 5.043 ms
Loss rate: 0.26%
```

Run 1: Report of WebRTC media — Data Link

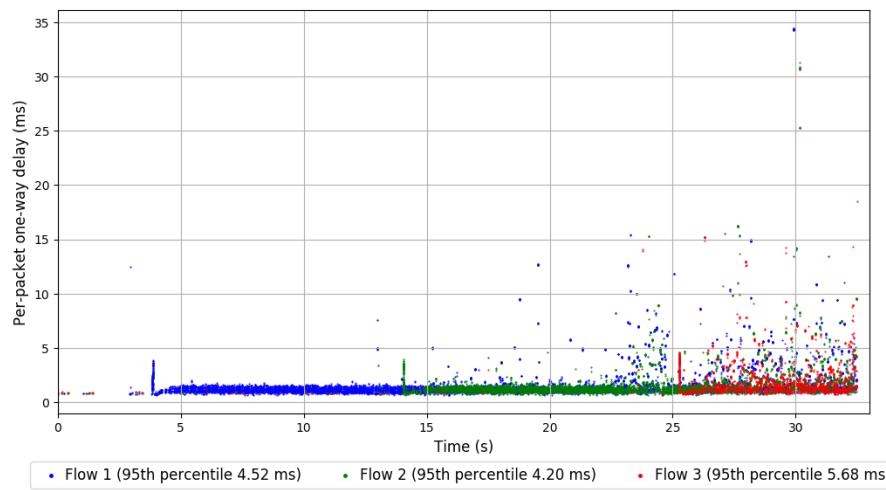
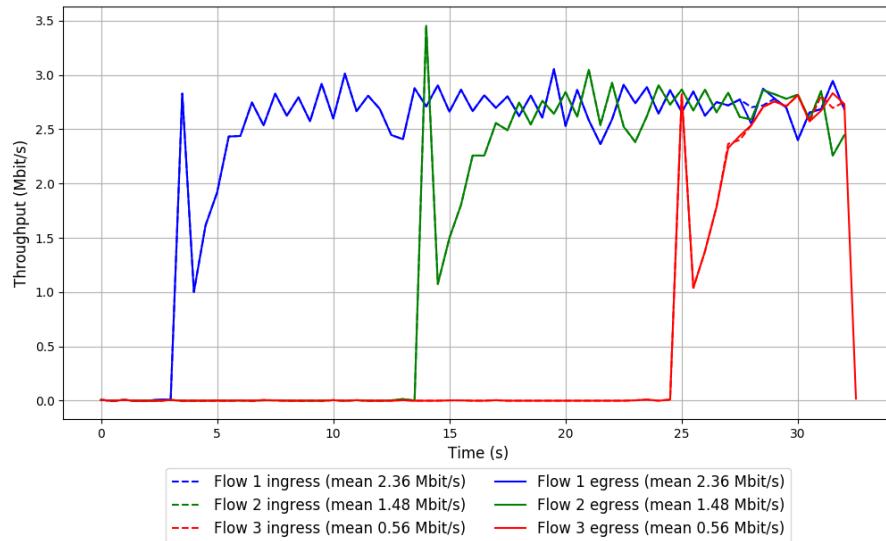


Run 2: Statistics of WebRTC media

```
Start at: 2018-03-13 17:49:48
End at: 2018-03-13 17:50:18
Local clock offset: -6.652 ms
Remote clock offset: -7.351 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 4.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 4.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 4.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 5.685 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

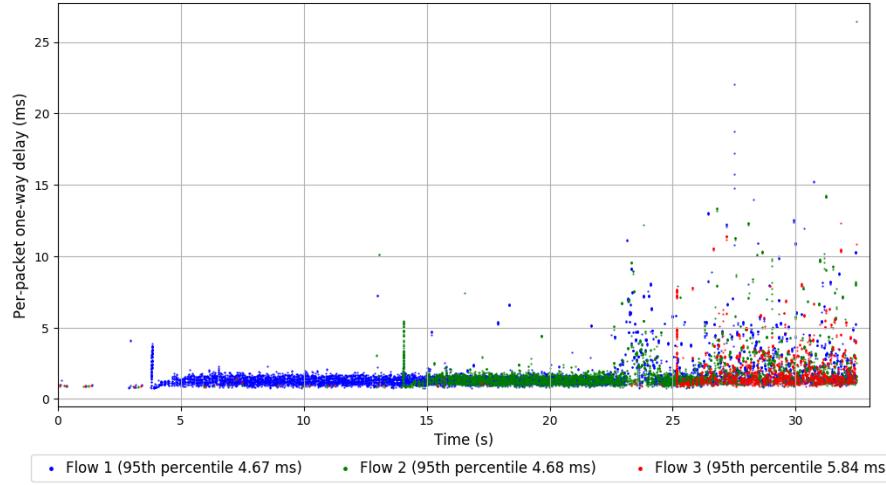
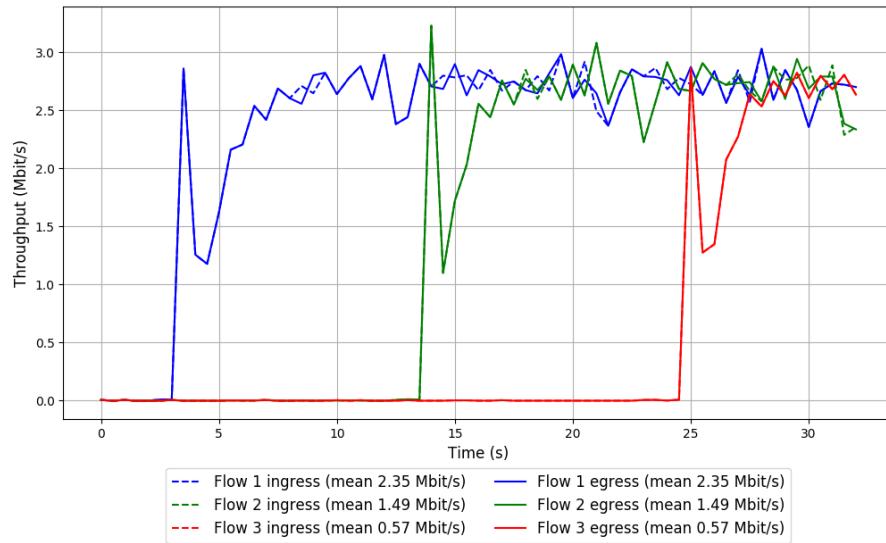


Run 3: Statistics of WebRTC media

```
Start at: 2018-03-13 18:10:16
End at: 2018-03-13 18:10:46
Local clock offset: -7.128 ms
Remote clock offset: -7.648 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 4.792 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 4.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 4.680 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 5.843 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

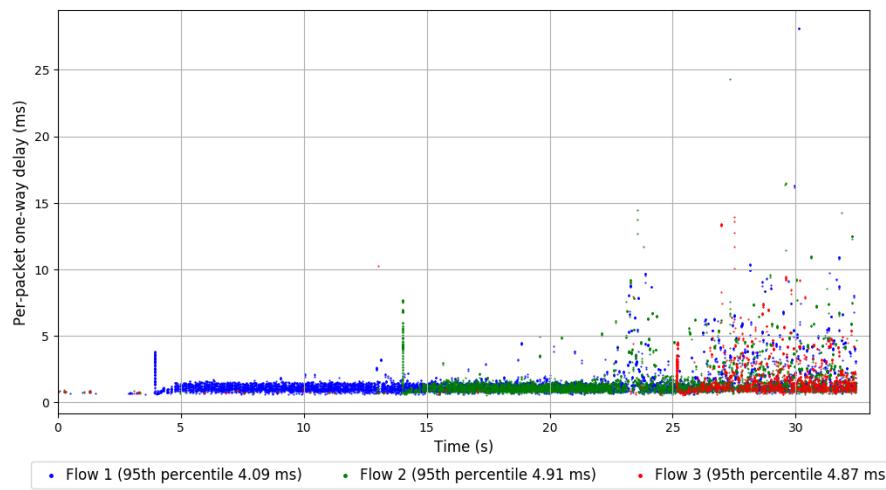
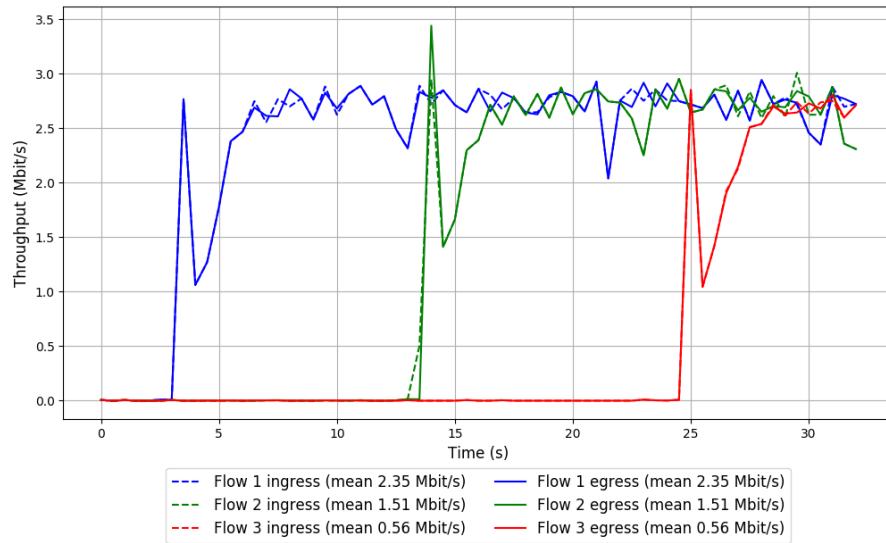


Run 4: Statistics of WebRTC media

```
Start at: 2018-03-13 18:30:43
End at: 2018-03-13 18:31:13
Local clock offset: -6.824 ms
Remote clock offset: -6.736 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 4.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 4.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 4.905 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 4.869 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

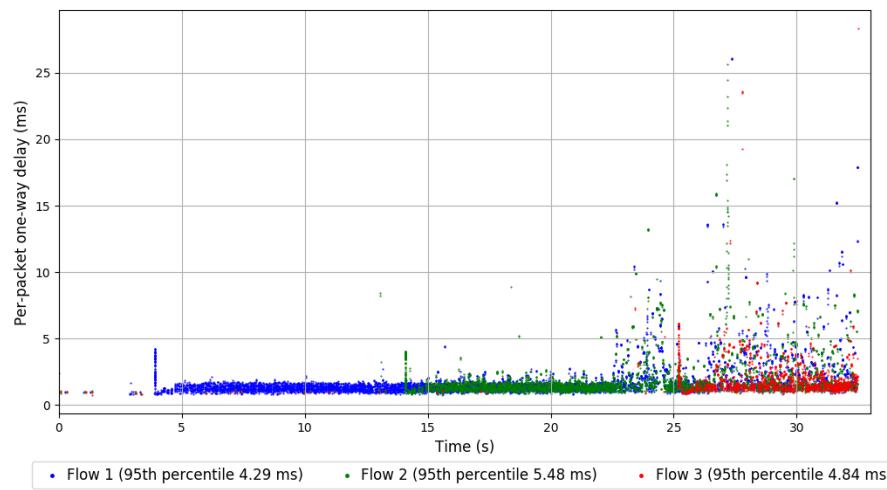
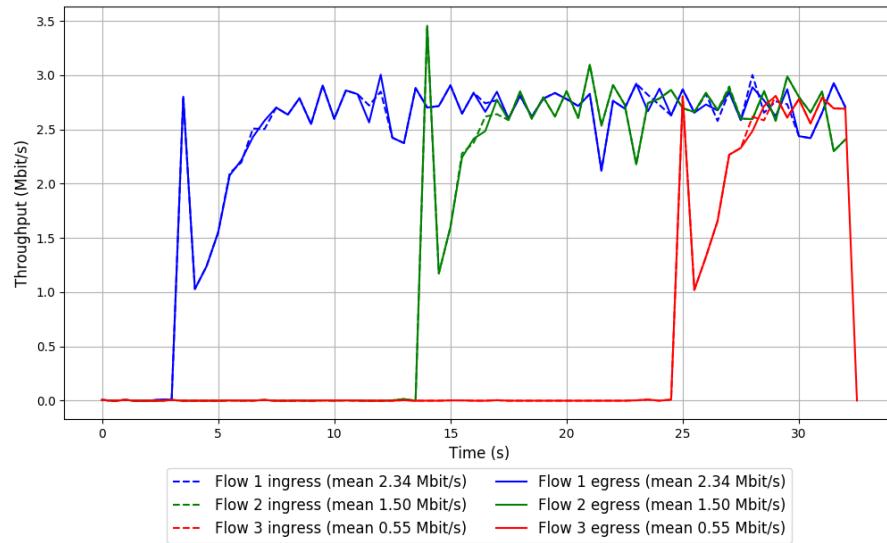


Run 5: Statistics of WebRTC media

```
Start at: 2018-03-13 18:51:16
End at: 2018-03-13 18:51:46
Local clock offset: -3.638 ms
Remote clock offset: -6.42 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 4.718 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 4.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.479 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 4.844 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

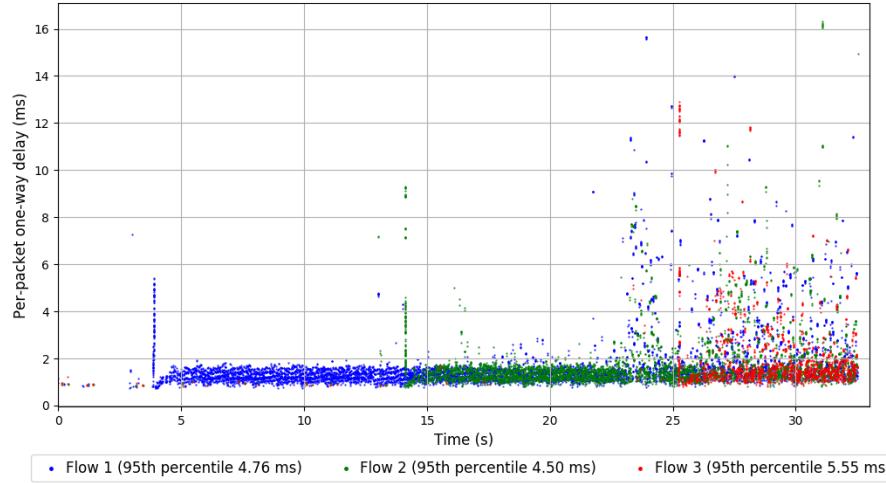
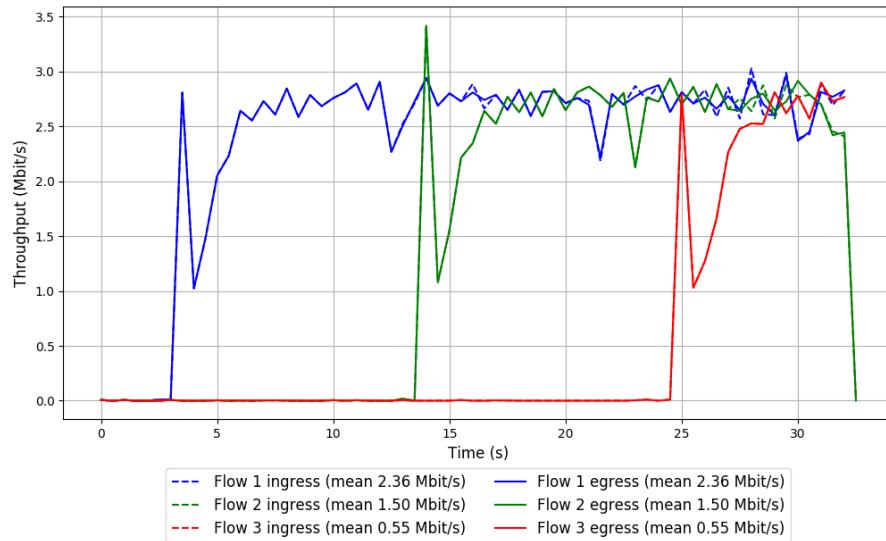


Run 6: Statistics of WebRTC media

```
Start at: 2018-03-13 19:11:41
End at: 2018-03-13 19:12:11
Local clock offset: -2.172 ms
Remote clock offset: -6.525 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 4.820 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 4.762 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 4.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 5.550 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

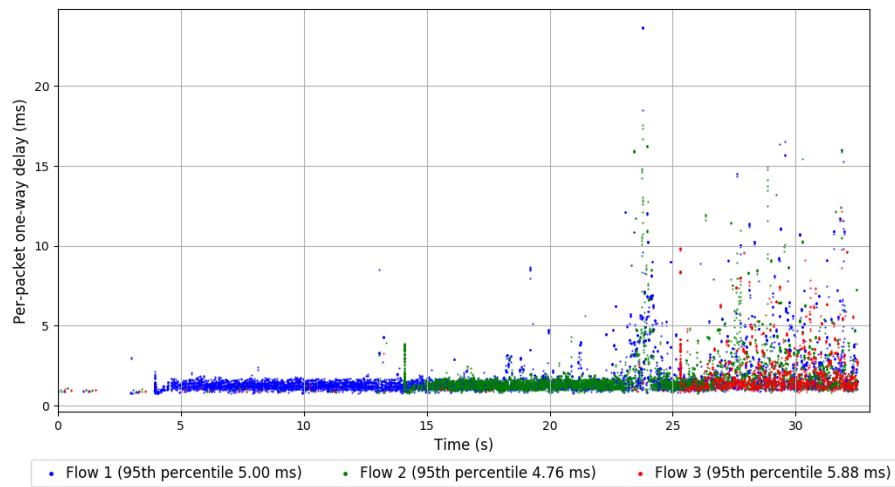
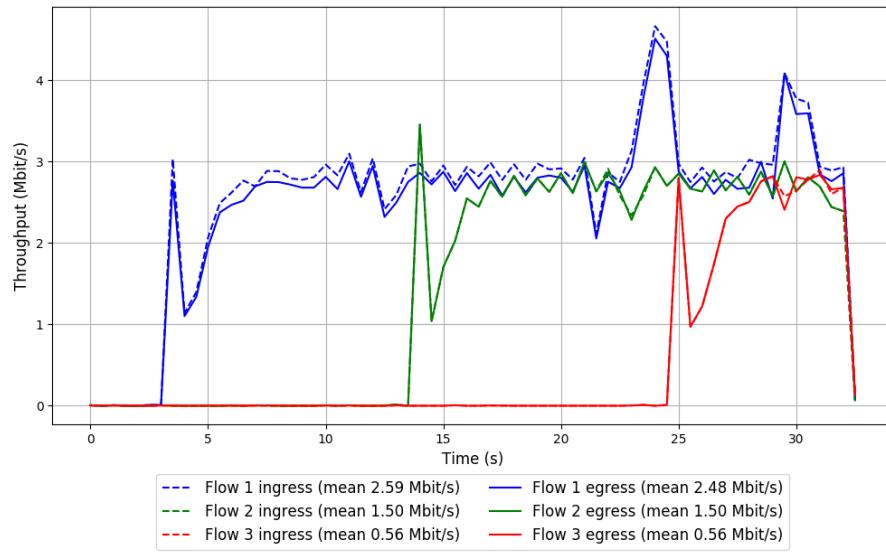


Run 7: Statistics of WebRTC media

```
Start at: 2018-03-13 19:32:08
End at: 2018-03-13 19:32:38
Local clock offset: -2.783 ms
Remote clock offset: -6.469 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 5.049 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 4.998 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 4.758 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 5.885 ms
Loss rate: 0.05%
```

Run 7: Report of WebRTC media — Data Link

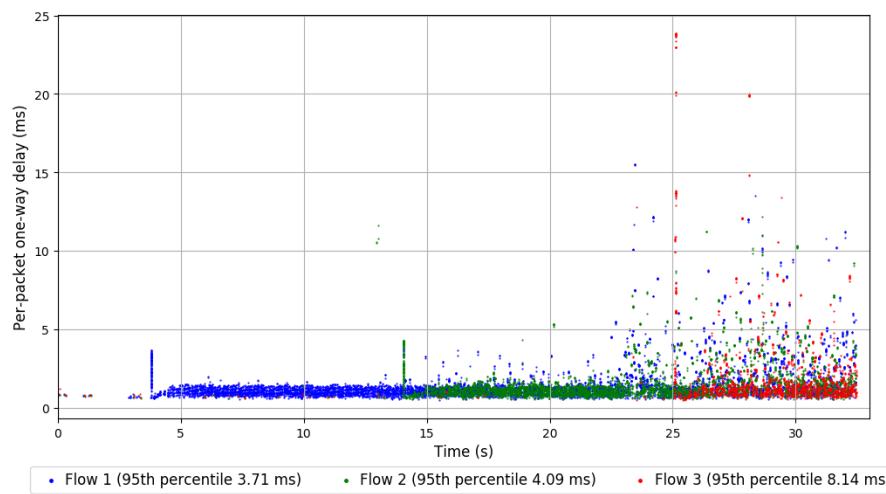
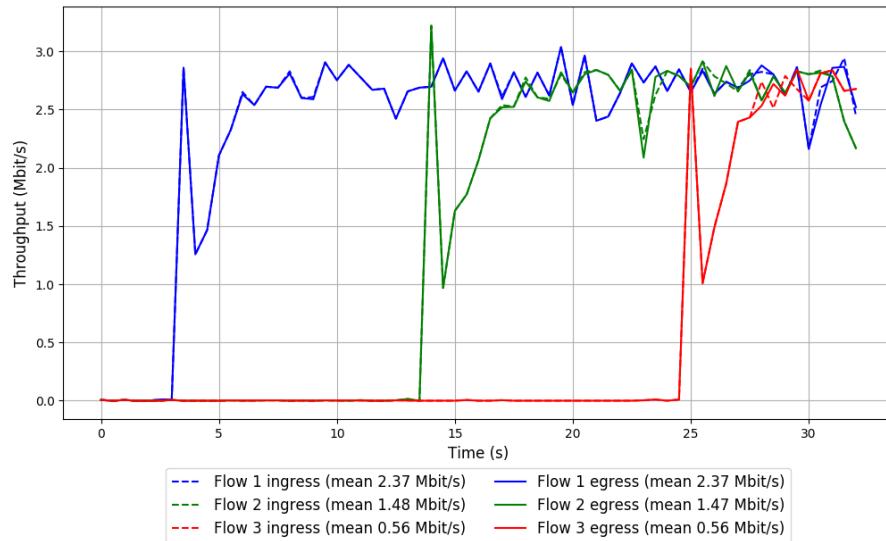


```
Run 8: Statistics of WebRTC media

Start at: 2018-03-13 19:52:36
End at: 2018-03-13 19:53:06
Local clock offset: -4.205 ms
Remote clock offset: -6.36 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 4.221 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.710 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 4.087 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 8.138 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

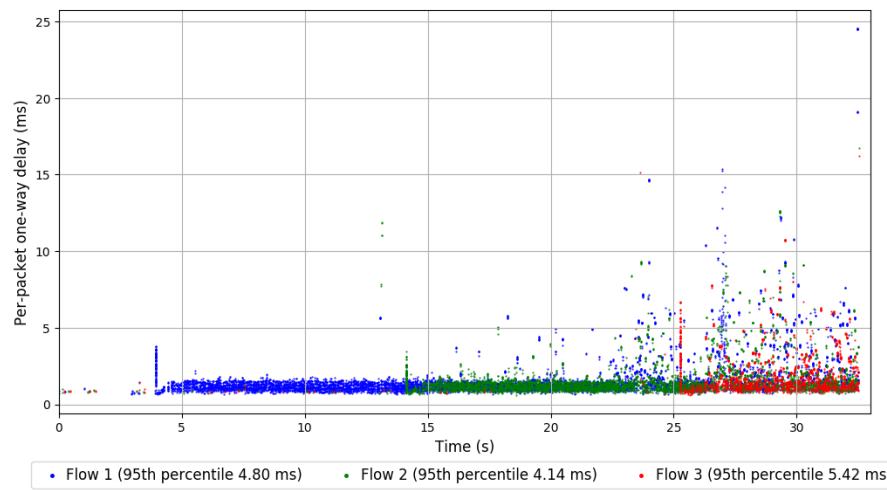
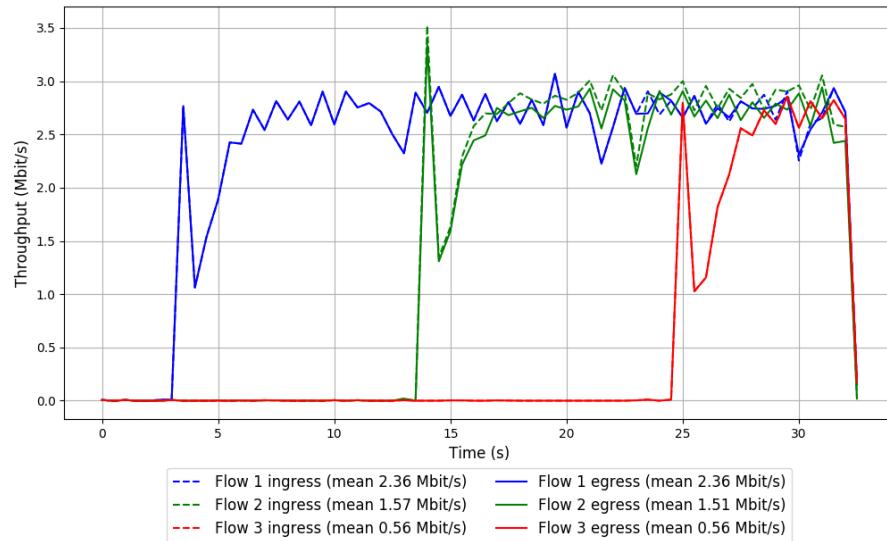


Run 9: Statistics of WebRTC media

```
Start at: 2018-03-13 20:13:04
End at: 2018-03-13 20:13:34
Local clock offset: -6.881 ms
Remote clock offset: -6.619 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 4.674 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 4.799 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 4.145 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 5.423 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

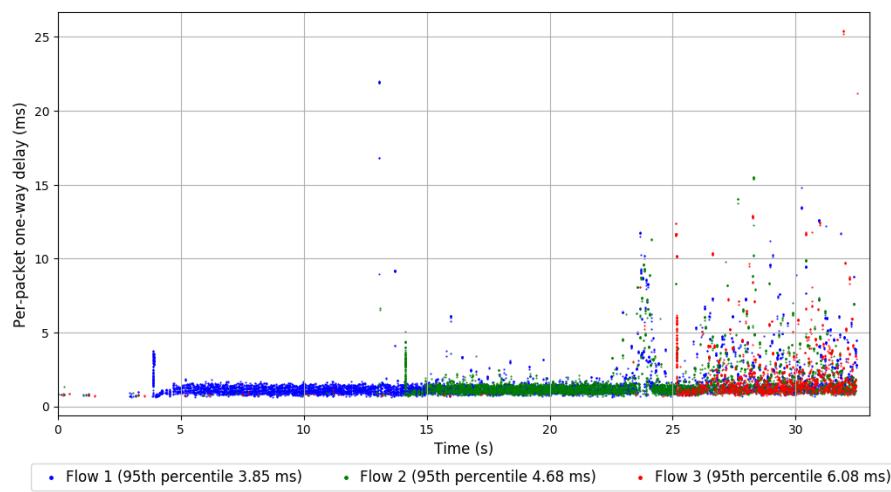
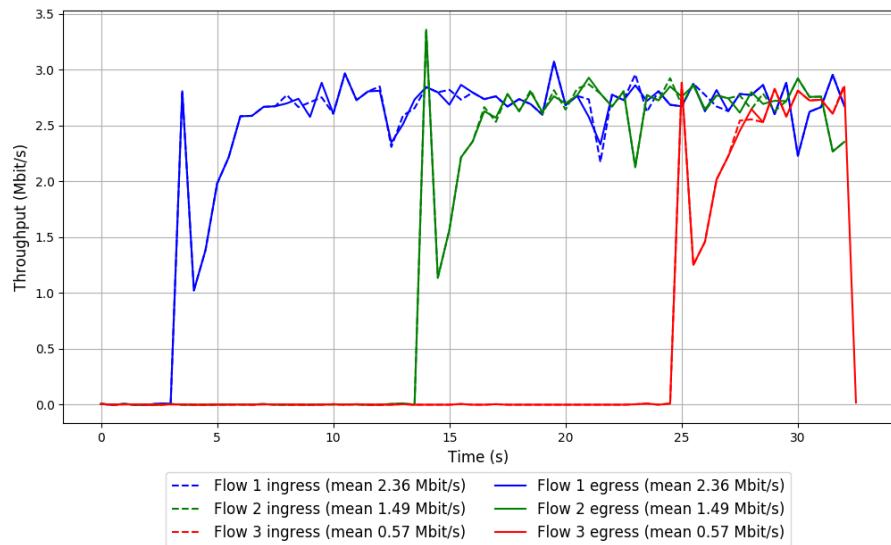


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-03-13 20:33:33
End at: 2018-03-13 20:34:03
Local clock offset: -6.524 ms
Remote clock offset: -6.768 ms

# Below is generated by plot.py at 2018-03-13 21:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 4.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 4.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 6.077 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

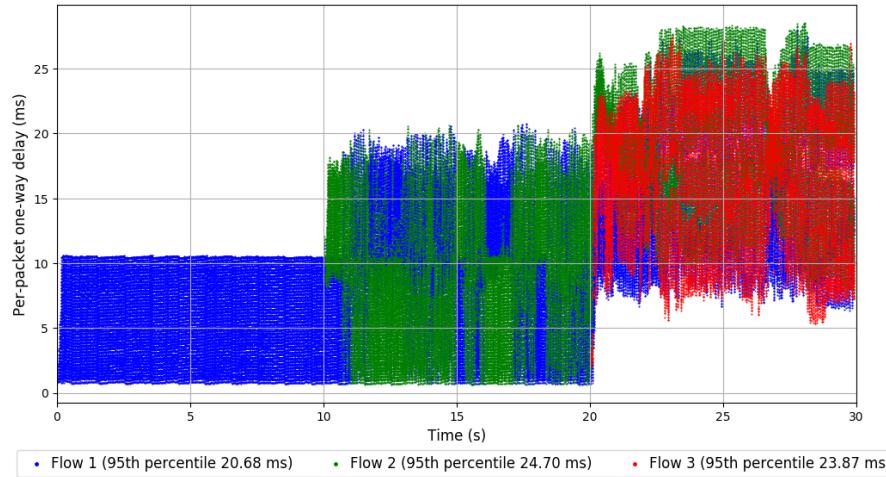
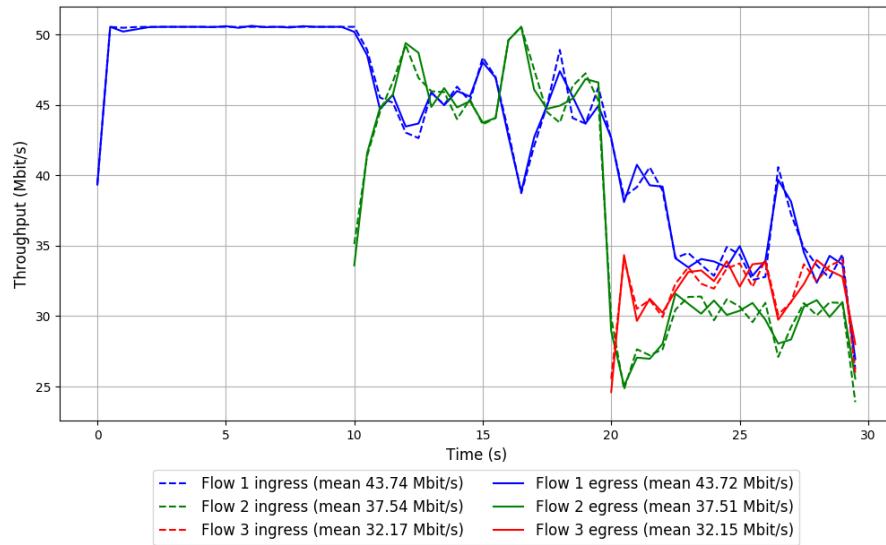


Run 1: Statistics of Sprout

```
Start at: 2018-03-13 17:32:45
End at: 2018-03-13 17:33:15
Local clock offset: -4.118 ms
Remote clock offset: -7.076 ms

# Below is generated by plot.py at 2018-03-13 21:27:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 23.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.72 Mbit/s
95th percentile per-packet one-way delay: 20.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 24.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 23.870 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

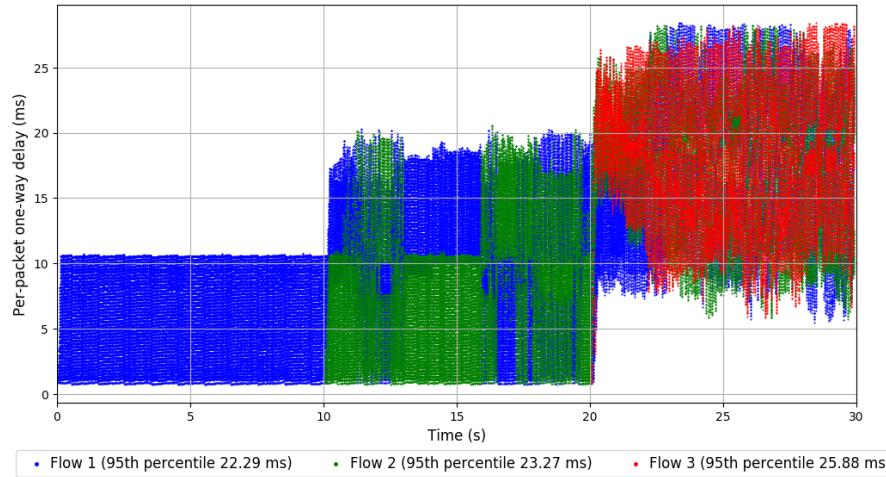
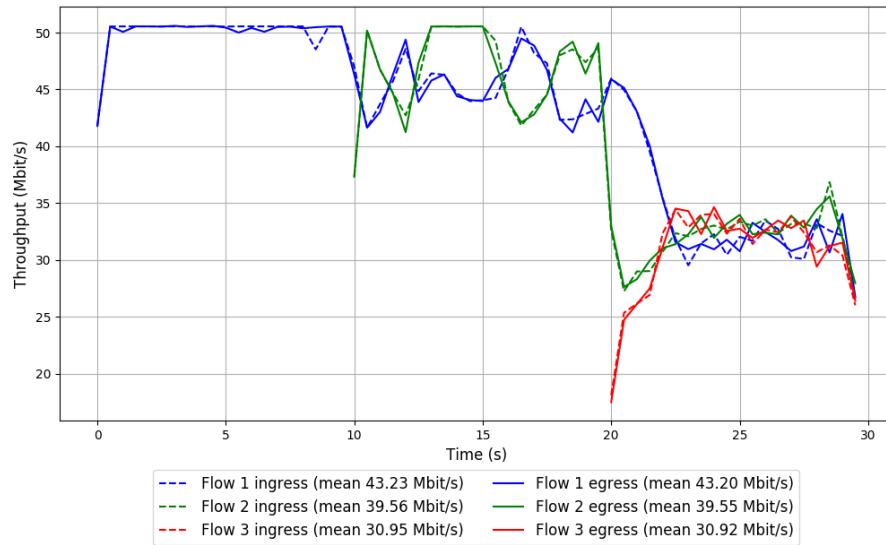


Run 2: Statistics of Sprout

```
Start at: 2018-03-13 17:53:12
End at: 2018-03-13 17:53:42
Local clock offset: -6.976 ms
Remote clock offset: -7.474 ms

# Below is generated by plot.py at 2018-03-13 21:27:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 23.767 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 22.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 23.268 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 25.880 ms
Loss rate: 0.07%
```

Run 2: Report of Sprout — Data Link

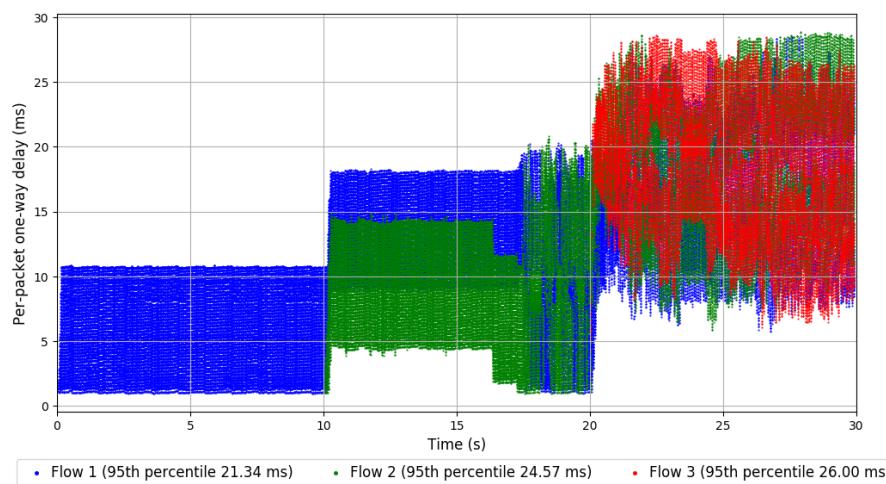
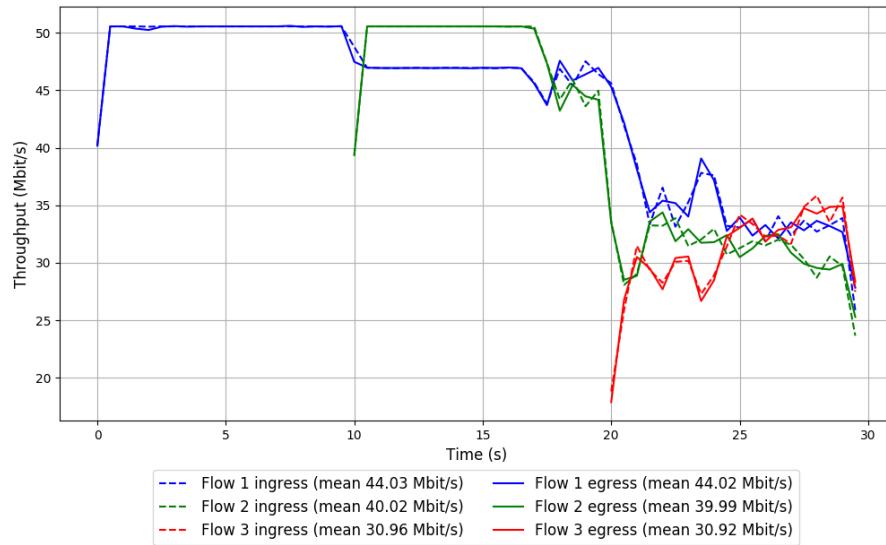


Run 3: Statistics of Sprout

```
Start at: 2018-03-13 18:13:39
End at: 2018-03-13 18:14:09
Local clock offset: -7.051 ms
Remote clock offset: -7.71 ms

# Below is generated by plot.py at 2018-03-13 21:27:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 23.884 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 21.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 24.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 26.000 ms
Loss rate: 0.05%
```

Run 3: Report of Sprout — Data Link

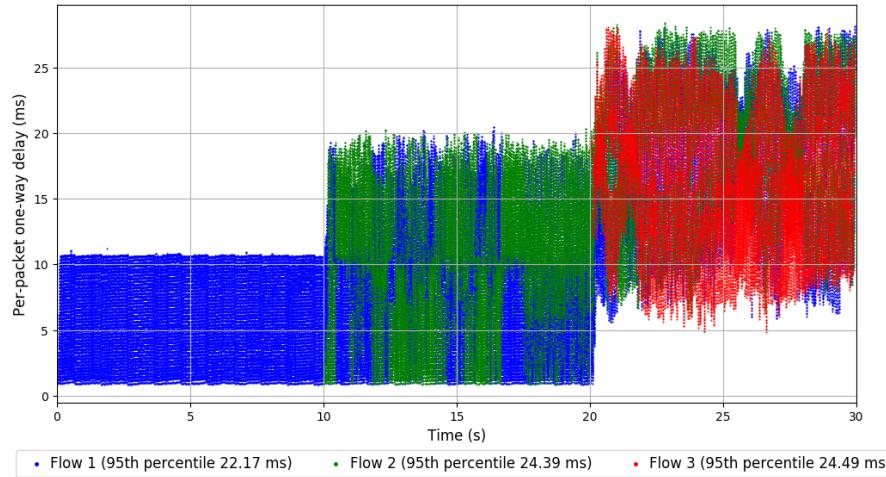
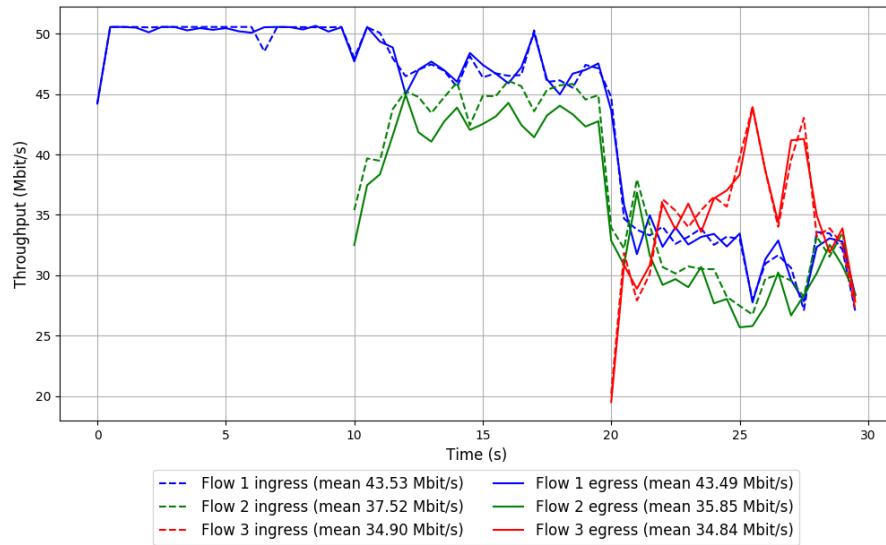


Run 4: Statistics of Sprout

```
Start at: 2018-03-13 18:34:12
End at: 2018-03-13 18:34:42
Local clock offset: -7.014 ms
Remote clock offset: -6.571 ms

# Below is generated by plot.py at 2018-03-13 21:27:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.85 Mbit/s
95th percentile per-packet one-way delay: 23.496 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 22.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 24.389 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 24.487 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

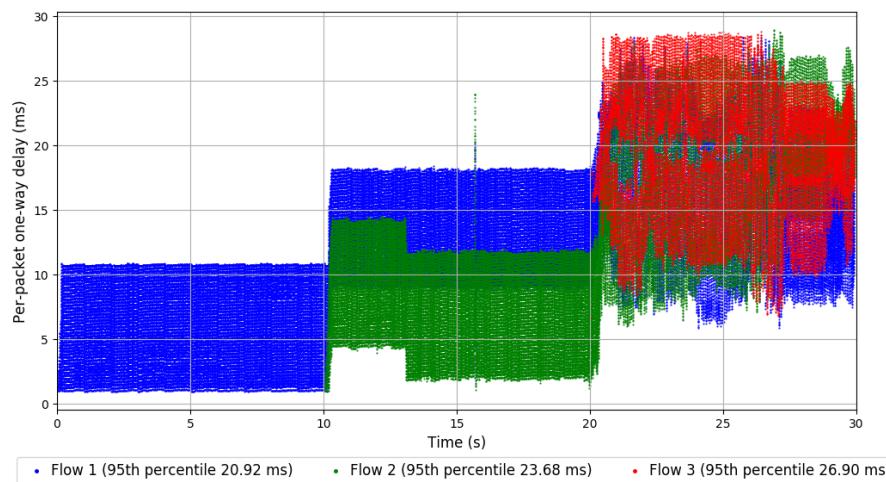
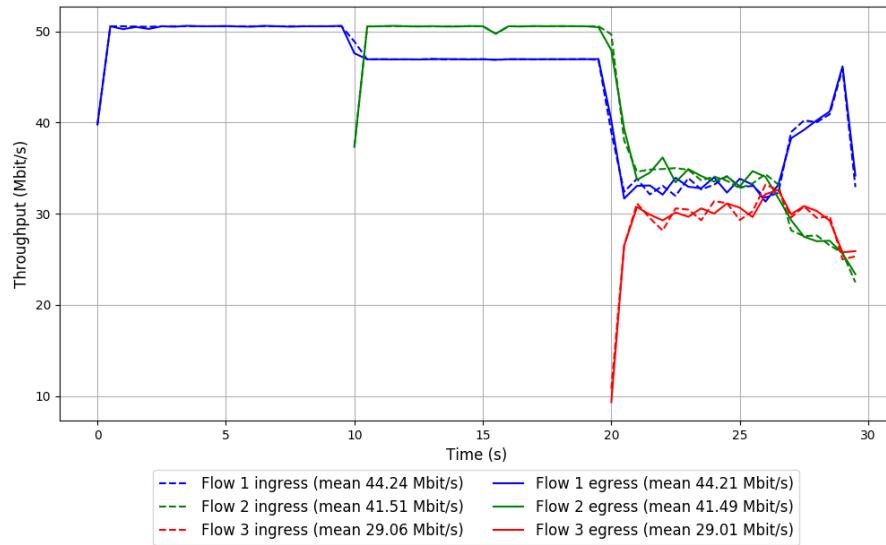


Run 5: Statistics of Sprout

```
Start at: 2018-03-13 18:54:40
End at: 2018-03-13 18:55:10
Local clock offset: -3.306 ms
Remote clock offset: -6.446 ms

# Below is generated by plot.py at 2018-03-13 21:27:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 23.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 20.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 23.675 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 26.899 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

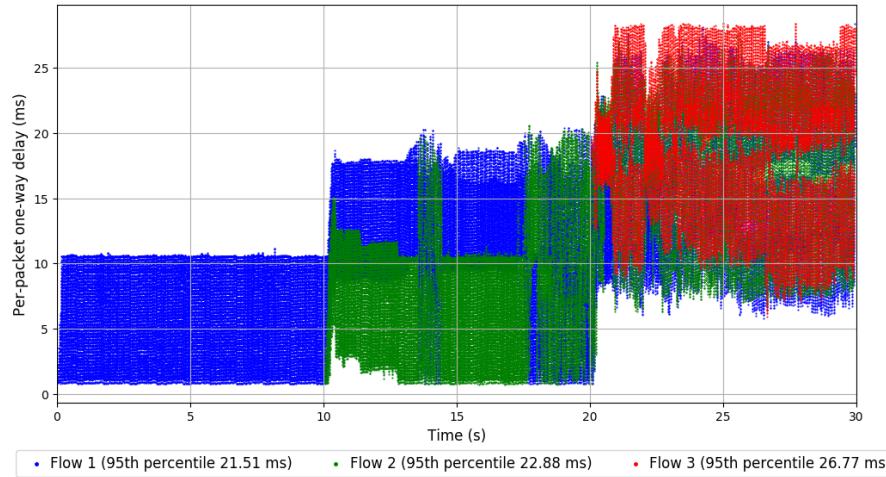
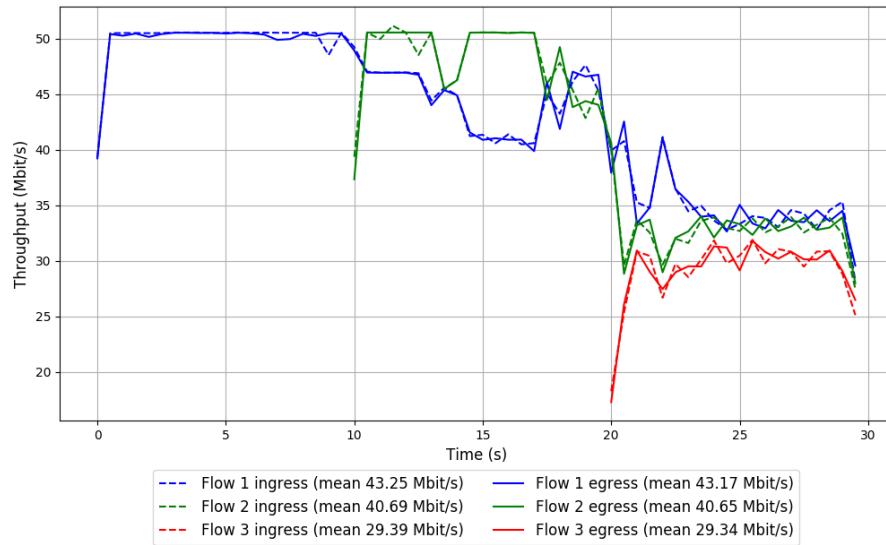


Run 6: Statistics of Sprout

```
Start at: 2018-03-13 19:15:05
End at: 2018-03-13 19:15:35
Local clock offset: -2.185 ms
Remote clock offset: -6.527 ms

# Below is generated by plot.py at 2018-03-13 21:27:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 23.661 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.17 Mbit/s
95th percentile per-packet one-way delay: 21.511 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 22.876 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 26.765 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

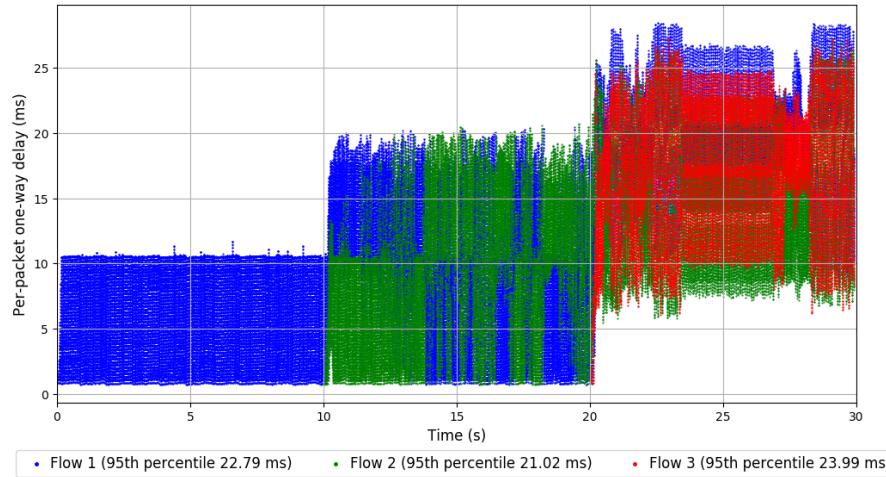
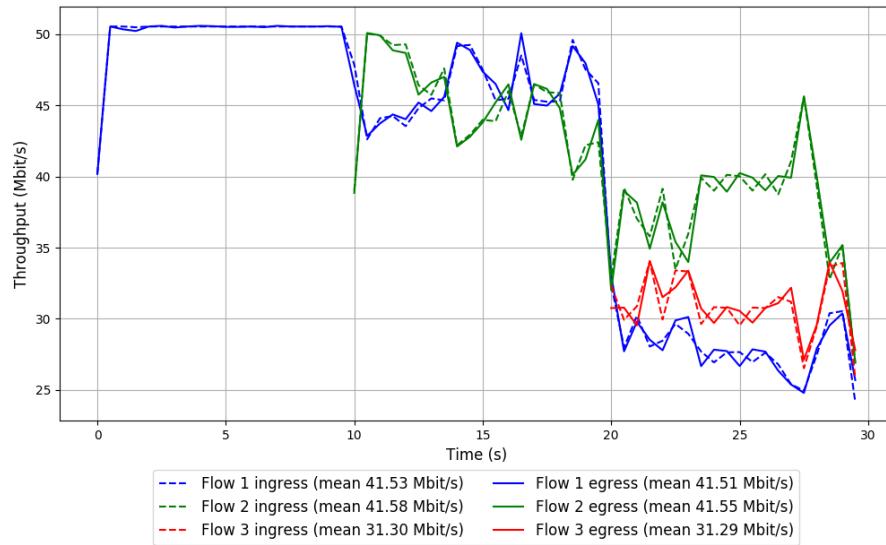


Run 7: Statistics of Sprout

```
Start at: 2018-03-13 19:35:32
End at: 2018-03-13 19:36:02
Local clock offset: -2.706 ms
Remote clock offset: -6.524 ms

# Below is generated by plot.py at 2018-03-13 21:27:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 22.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 22.790 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.55 Mbit/s
95th percentile per-packet one-way delay: 21.021 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 23.986 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

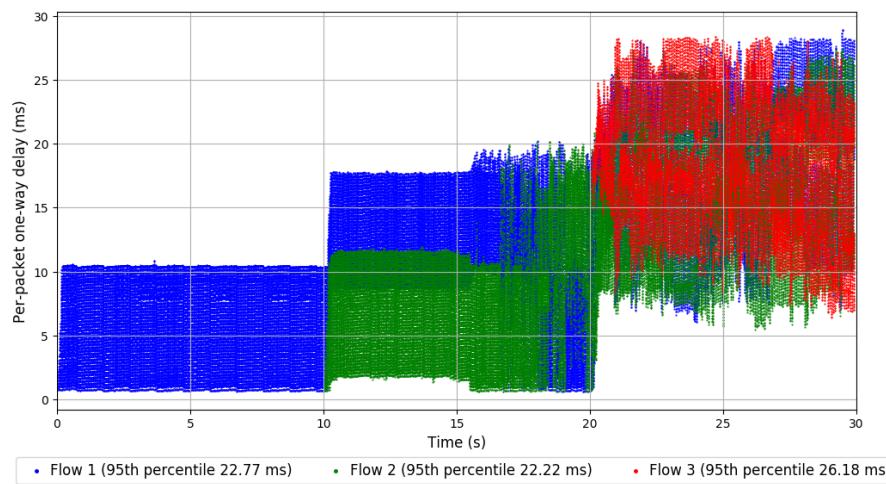
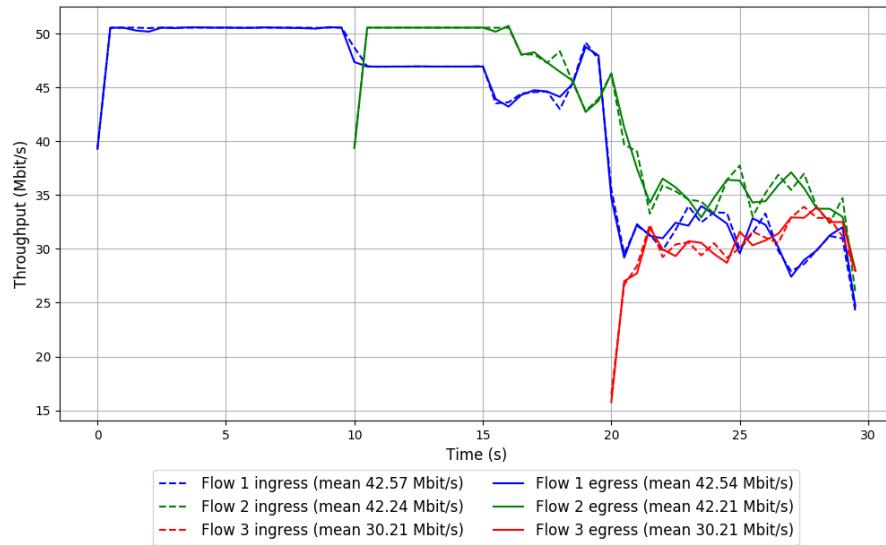


Run 8: Statistics of Sprout

```
Start at: 2018-03-13 19:56:00
End at: 2018-03-13 19:56:30
Local clock offset: -4.916 ms
Remote clock offset: -6.313 ms

# Below is generated by plot.py at 2018-03-13 21:28:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 23.603 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 22.772 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.21 Mbit/s
95th percentile per-packet one-way delay: 22.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 26.180 ms
Loss rate: 0.01%
```

Run 8: Report of Sprout — Data Link

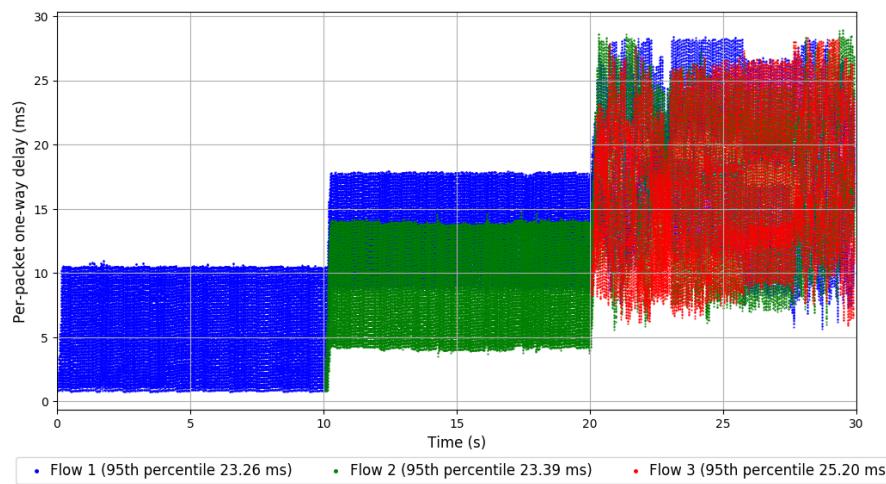
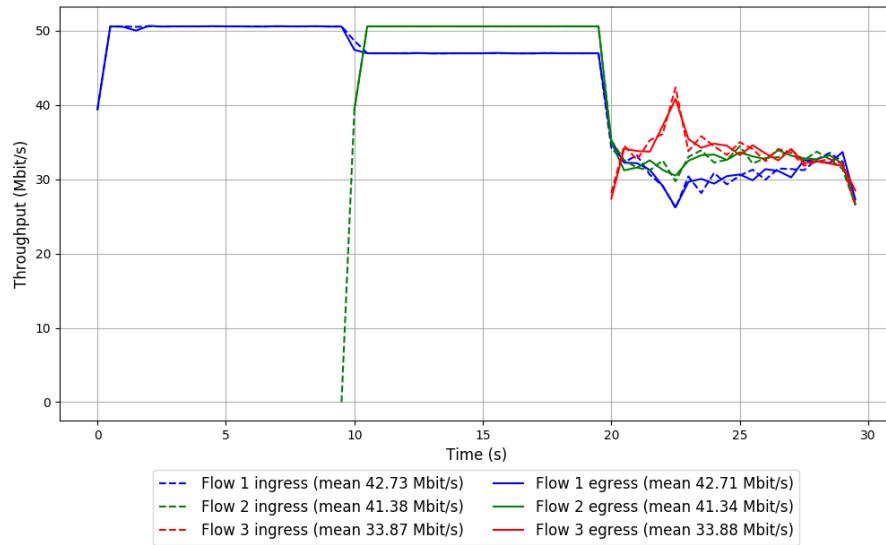


Run 9: Statistics of Sprout

```
Start at: 2018-03-13 20:16:28
End at: 2018-03-13 20:16:58
Local clock offset: -7.183 ms
Remote clock offset: -6.715 ms

# Below is generated by plot.py at 2018-03-13 21:28:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.42 Mbit/s
95th percentile per-packet one-way delay: 23.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 23.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 23.389 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 25.197 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

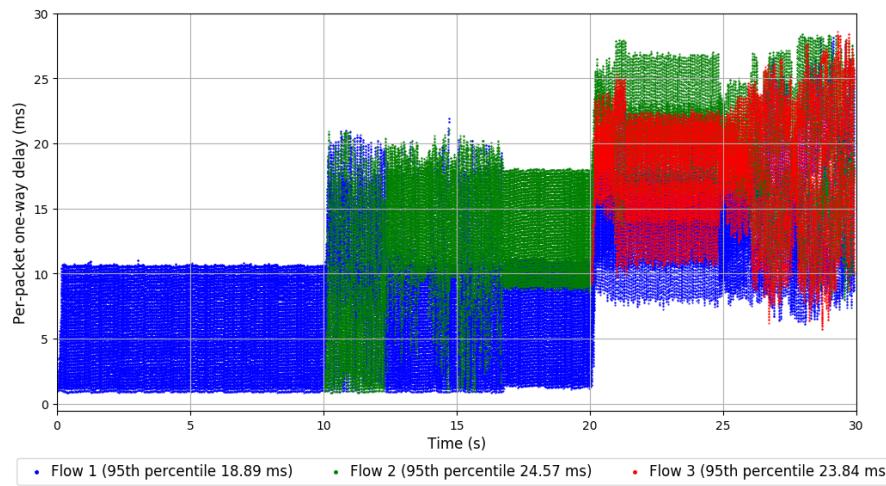
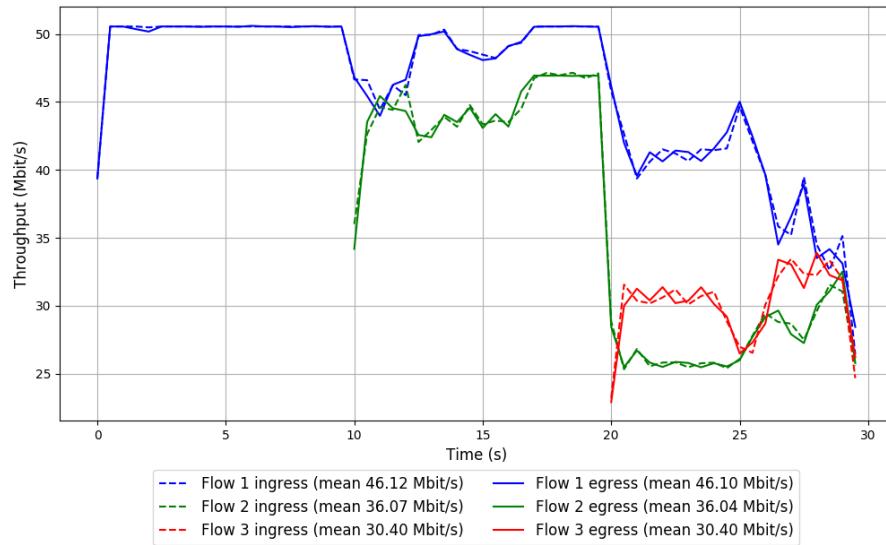


Run 10: Statistics of Sprout

```
Start at: 2018-03-13 20:36:56
End at: 2018-03-13 20:37:26
Local clock offset: -6.529 ms
Remote clock offset: -6.693 ms

# Below is generated by plot.py at 2018-03-13 21:28:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 22.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 24.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 23.836 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

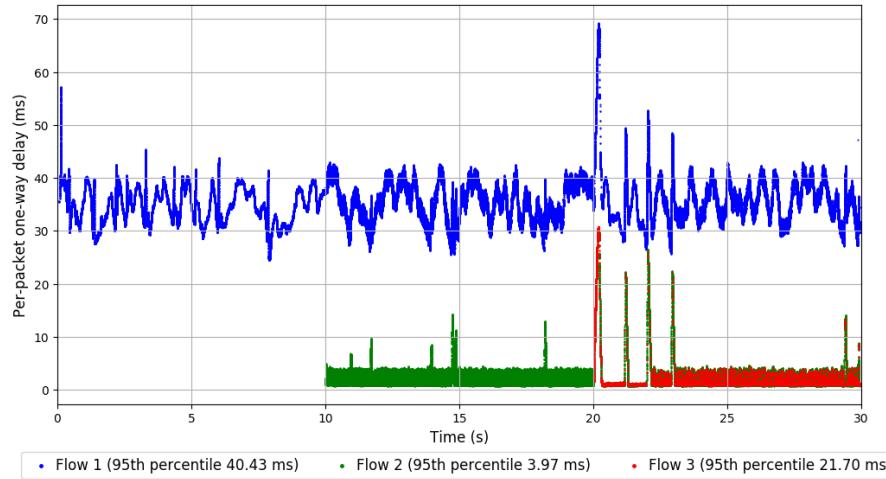
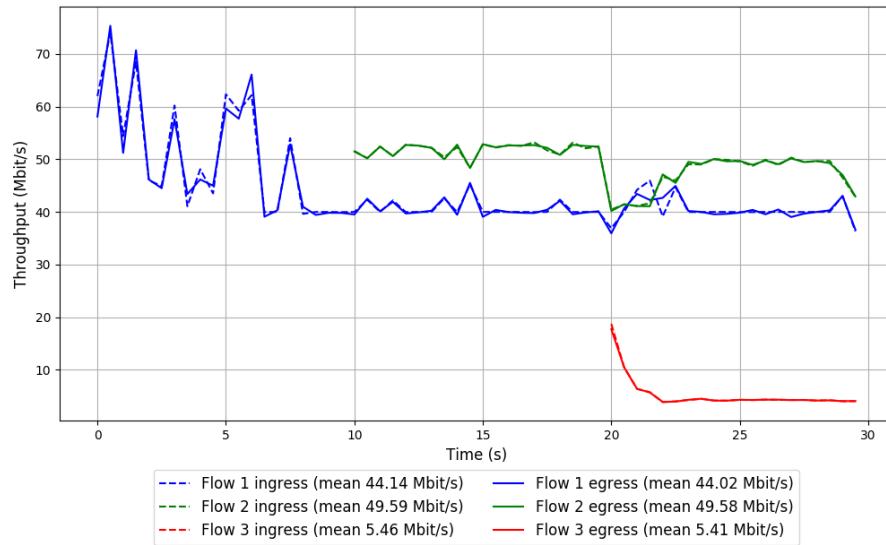


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-03-13 17:36:10
End at: 2018-03-13 17:36:40
Local clock offset: -4.926 ms
Remote clock offset: -7.117 ms

# Below is generated by plot.py at 2018-03-13 21:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 39.662 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 40.434 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 3.971 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 21.703 ms
Loss rate: 0.91%
```

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

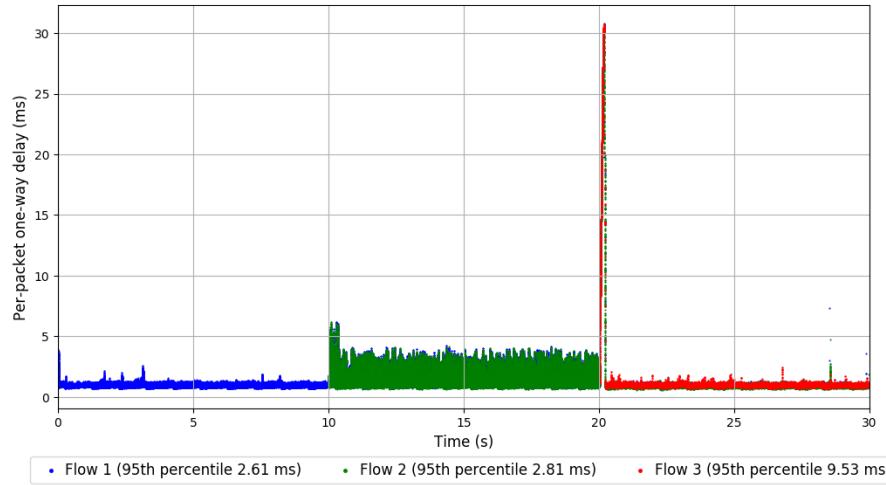
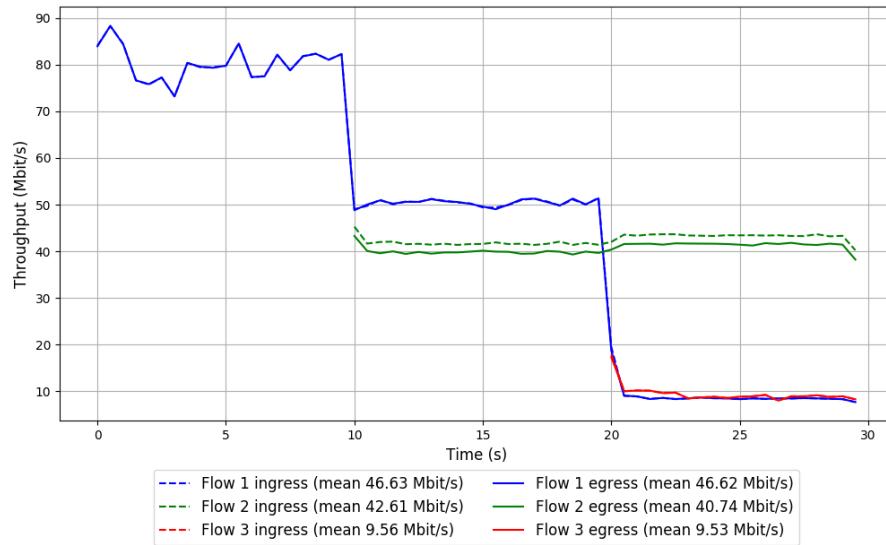


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-03-13 17:56:37
End at: 2018-03-13 17:57:07
Local clock offset: -7.206 ms
Remote clock offset: -7.526 ms

# Below is generated by plot.py at 2018-03-13 21:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 2.697 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 2.608 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 2.805 ms
Loss rate: 4.39%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 9.529 ms
Loss rate: 0.36%
```

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

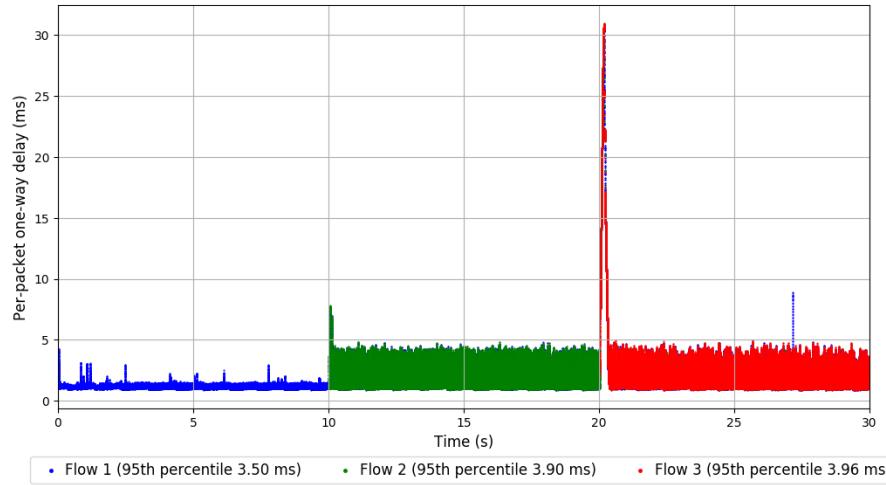
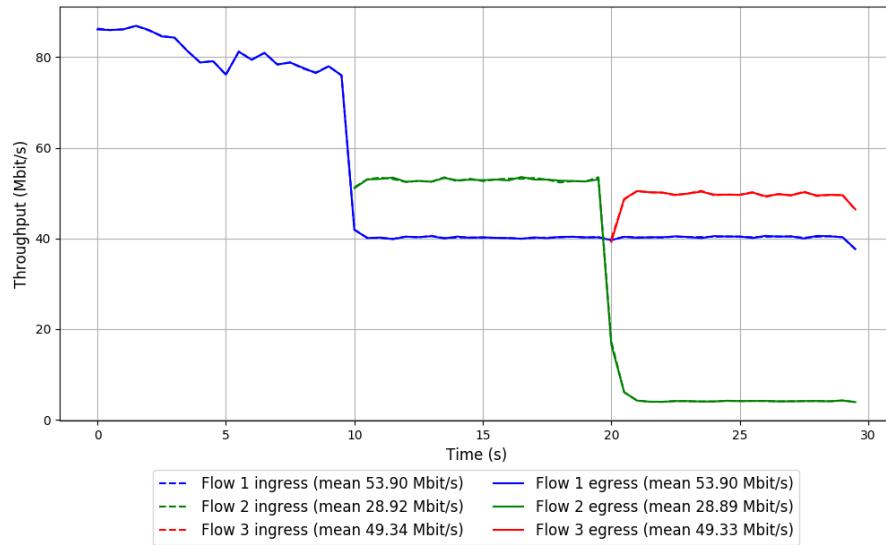


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-03-13 18:17:04
End at: 2018-03-13 18:17:34
Local clock offset: -6.895 ms
Remote clock offset: -7.739 ms

# Below is generated by plot.py at 2018-03-13 21:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 3.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 3.958 ms
Loss rate: 0.03%
```

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

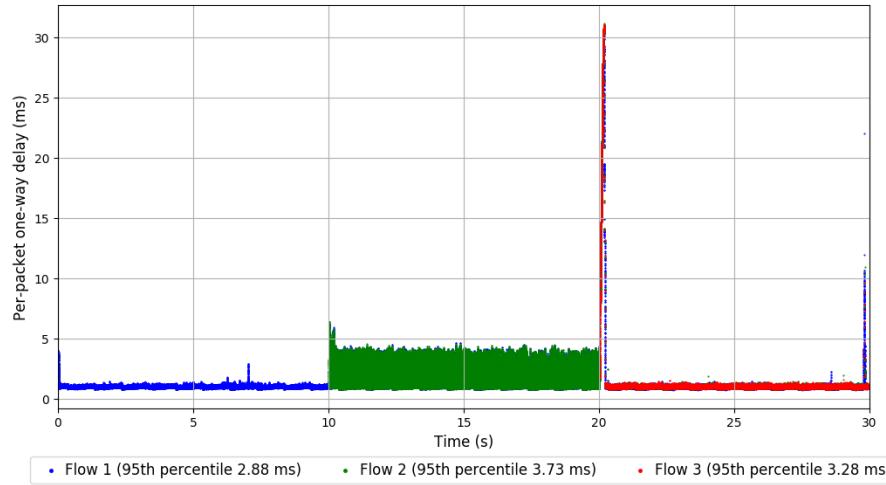
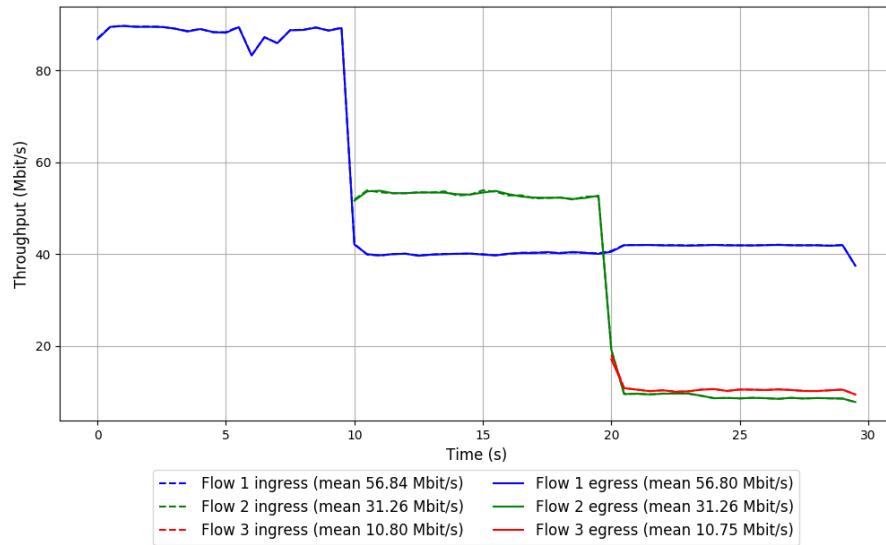


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-03-13 18:37:38
End at: 2018-03-13 18:38:08
Local clock offset: -7.065 ms
Remote clock offset: -6.501 ms

# Below is generated by plot.py at 2018-03-13 21:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.18 Mbit/s
95th percentile per-packet one-way delay: 3.337 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 2.880 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 3.725 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 3.283 ms
Loss rate: 0.47%
```

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

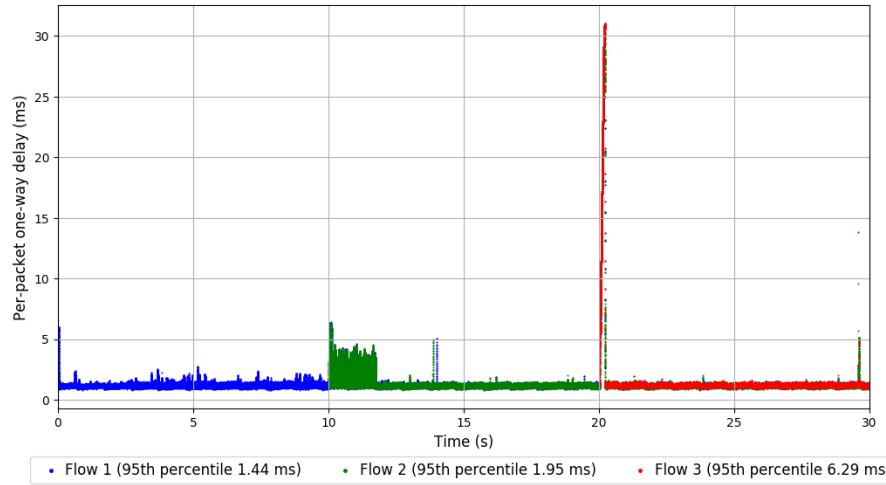
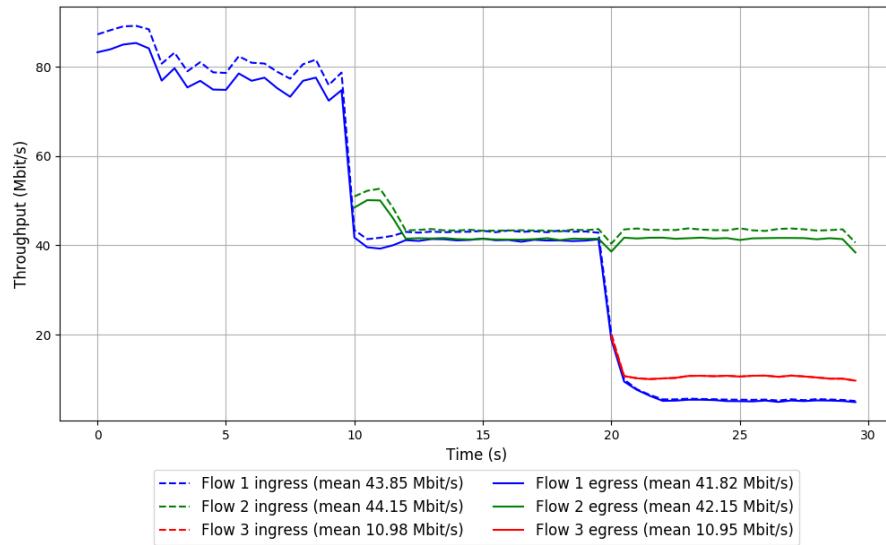


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-03-13 18:58:04
End at: 2018-03-13 18:58:34
Local clock offset: -2.973 ms
Remote clock offset: -6.449 ms

# Below is generated by plot.py at 2018-03-13 21:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 1.518 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 1.439 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 1.952 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 6.285 ms
Loss rate: 0.28%
```

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

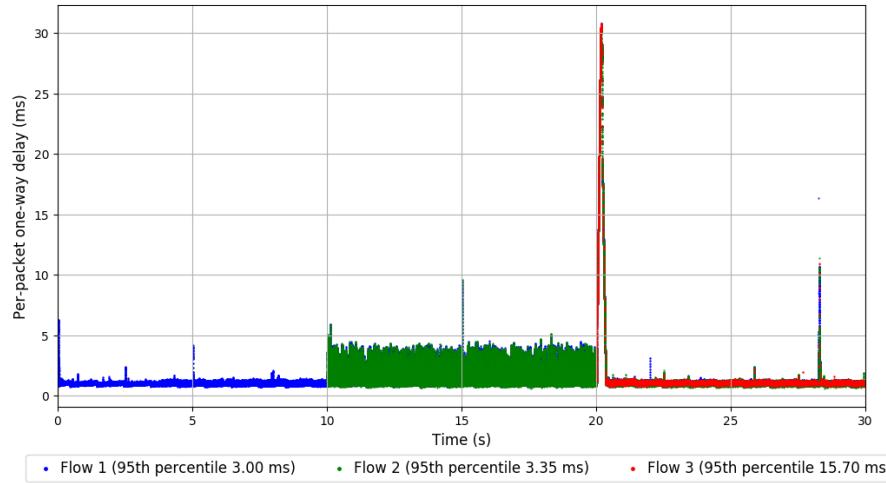
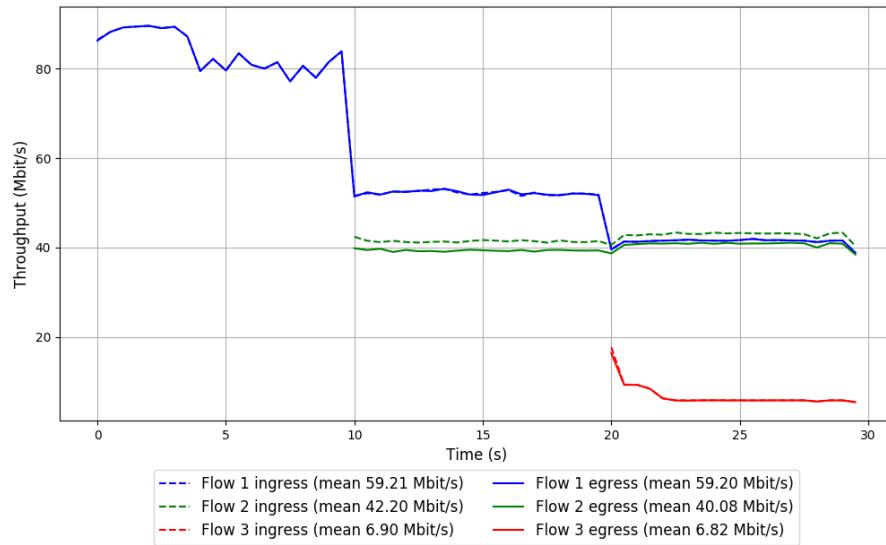


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-03-13 19:18:30
End at: 2018-03-13 19:19:00
Local clock offset: -2.509 ms
Remote clock offset: -6.601 ms

# Below is generated by plot.py at 2018-03-13 21:30:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 3.141 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 2.995 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 3.347 ms
Loss rate: 5.02%
-- Flow 3:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 15.704 ms
Loss rate: 1.15%
```

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

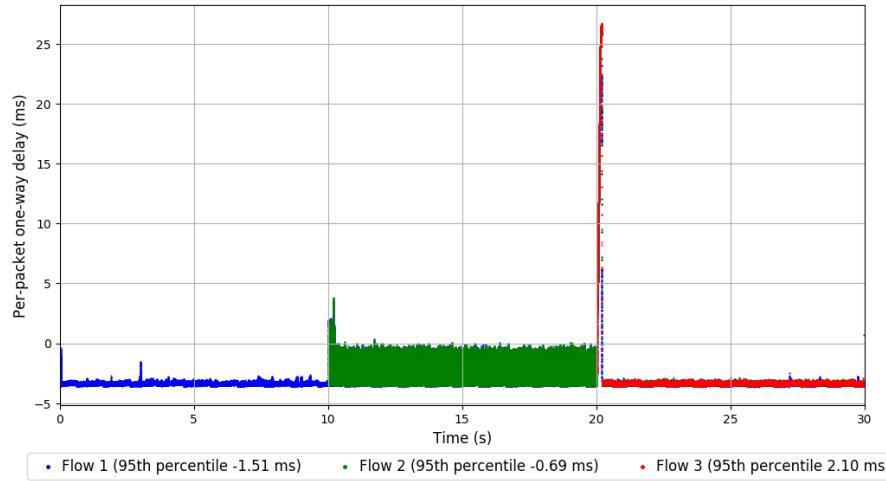
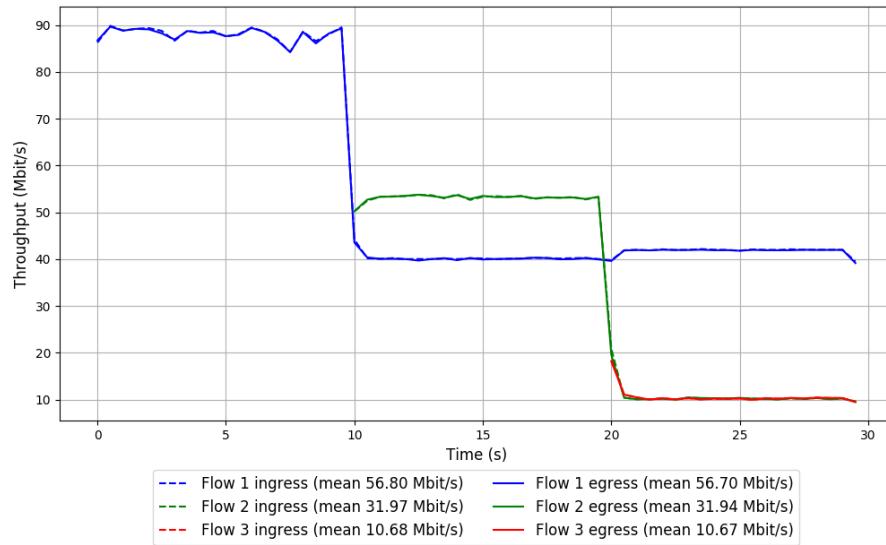


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-03-13 19:38:57
End at: 2018-03-13 19:39:27
Local clock offset: -2.774 ms
Remote clock offset: -10.897 ms

# Below is generated by plot.py at 2018-03-13 21:30:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: -1.063 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: -1.506 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: -0.691 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 2.095 ms
Loss rate: 0.15%
```

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

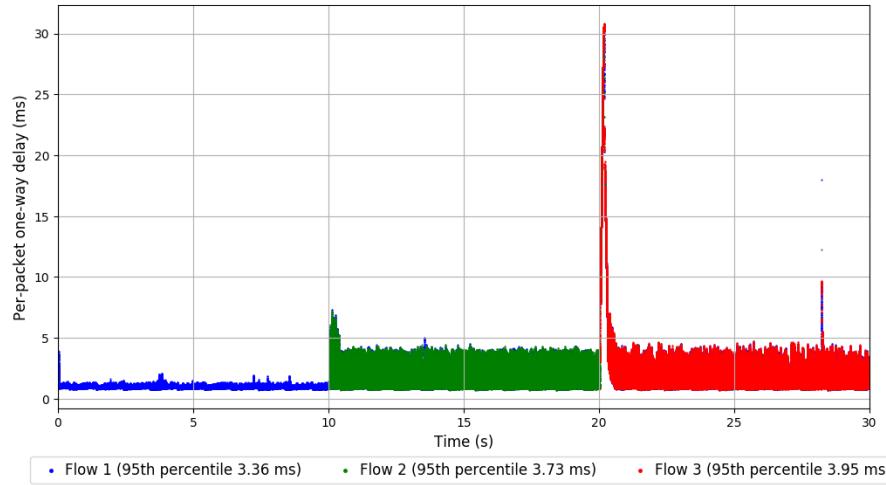
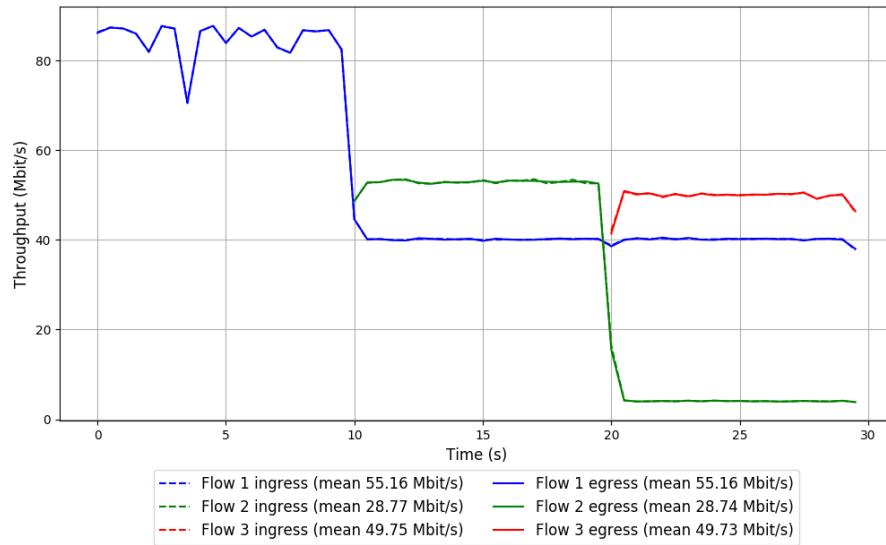


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-03-13 19:59:26
End at: 2018-03-13 19:59:56
Local clock offset: -5.574 ms
Remote clock offset: -6.294 ms

# Below is generated by plot.py at 2018-03-13 21:31:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 3.603 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 3.360 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 3.732 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 0.03%
```

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

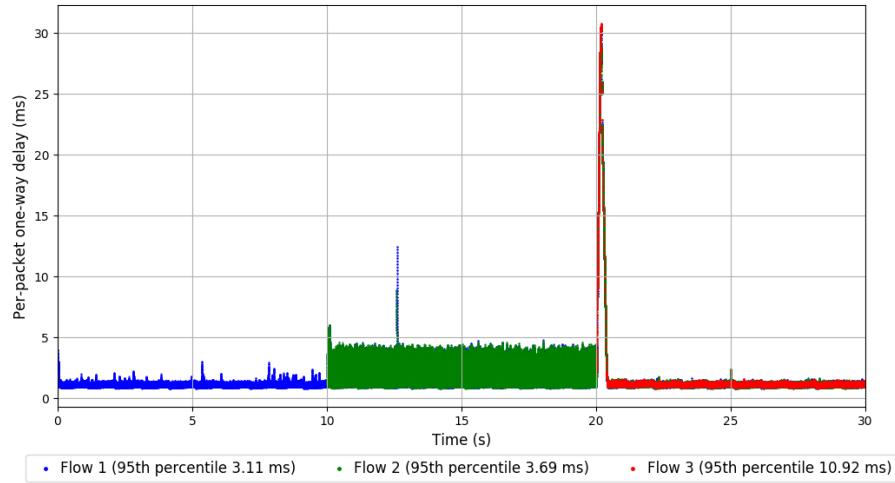
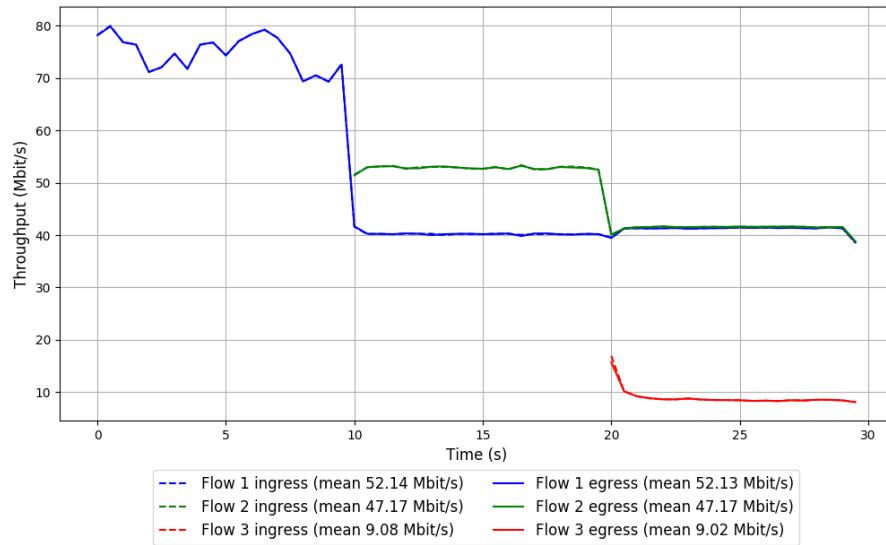


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-03-13 20:19:53
End at: 2018-03-13 20:20:23
Local clock offset: -7.349 ms
Remote clock offset: -6.635 ms

# Below is generated by plot.py at 2018-03-13 21:32:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 3.444 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 3.113 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 3.694 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 10.924 ms
Loss rate: 0.69%
```

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

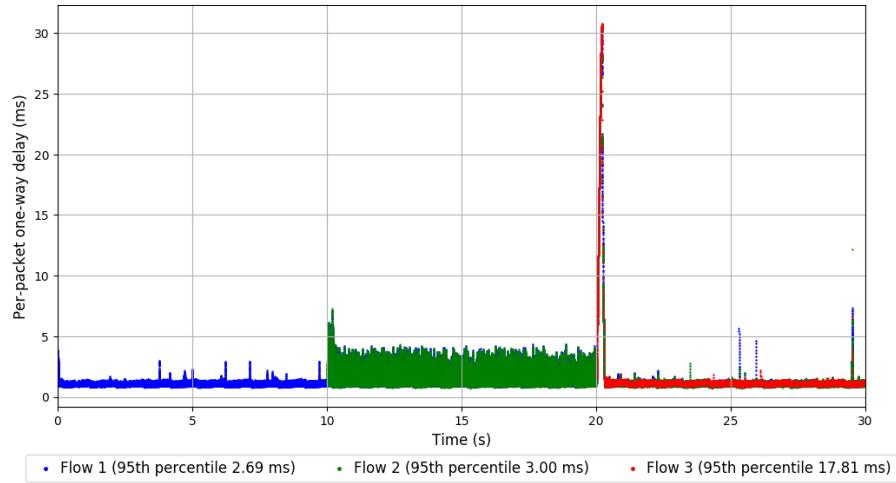
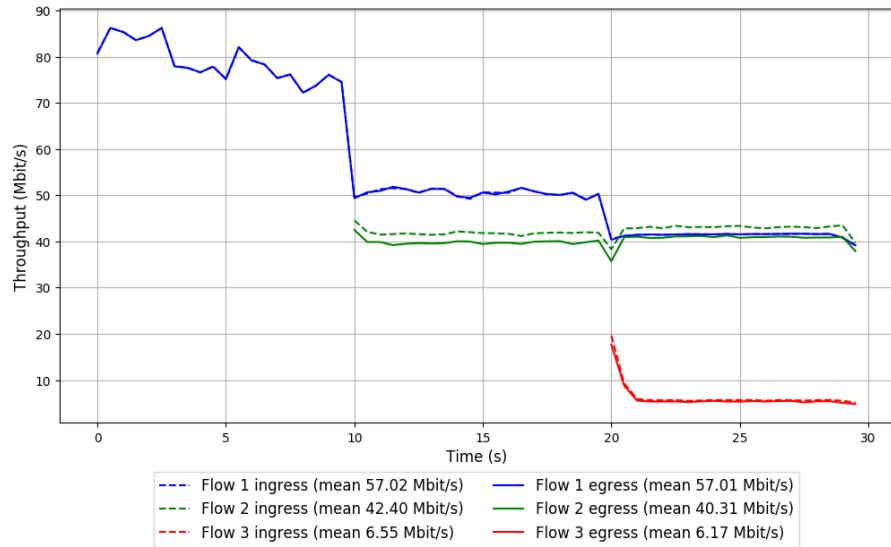


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-03-13 20:40:21
End at: 2018-03-13 20:40:51
Local clock offset: -6.517 ms
Remote clock offset: -6.684 ms

# Below is generated by plot.py at 2018-03-13 21:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 2.827 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 2.687 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 3.005 ms
Loss rate: 4.92%
-- Flow 3:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 17.814 ms
Loss rate: 5.76%
```

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

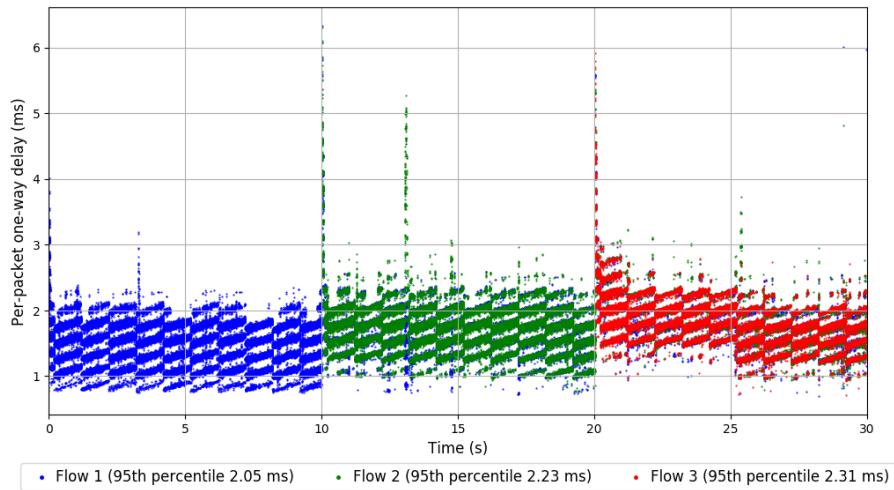
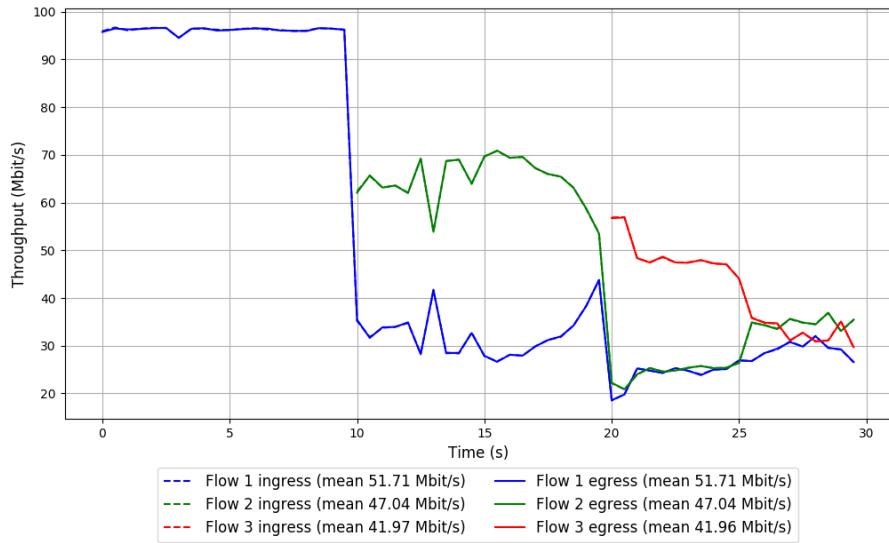


Run 1: Statistics of TCP Vegas

```
Start at: 2018-03-13 17:38:24
End at: 2018-03-13 17:38:54
Local clock offset: -5.379 ms
Remote clock offset: -7.232 ms

# Below is generated by plot.py at 2018-03-13 21:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 2.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 2.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 2.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

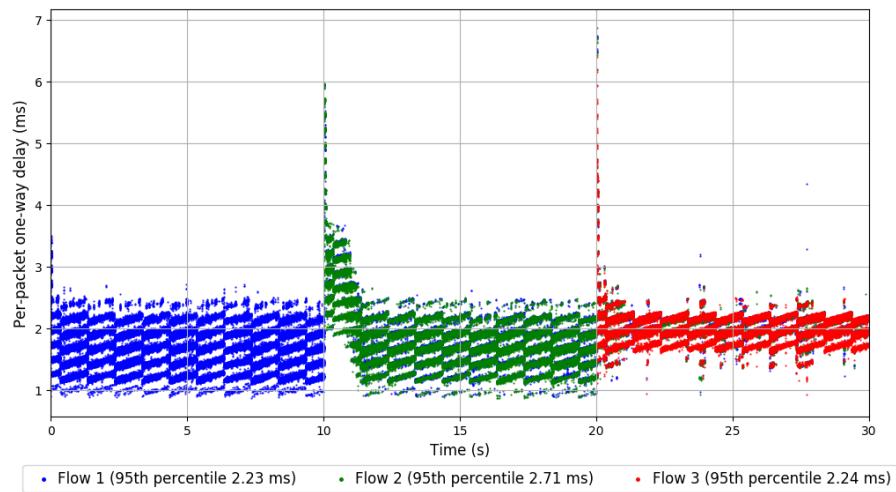
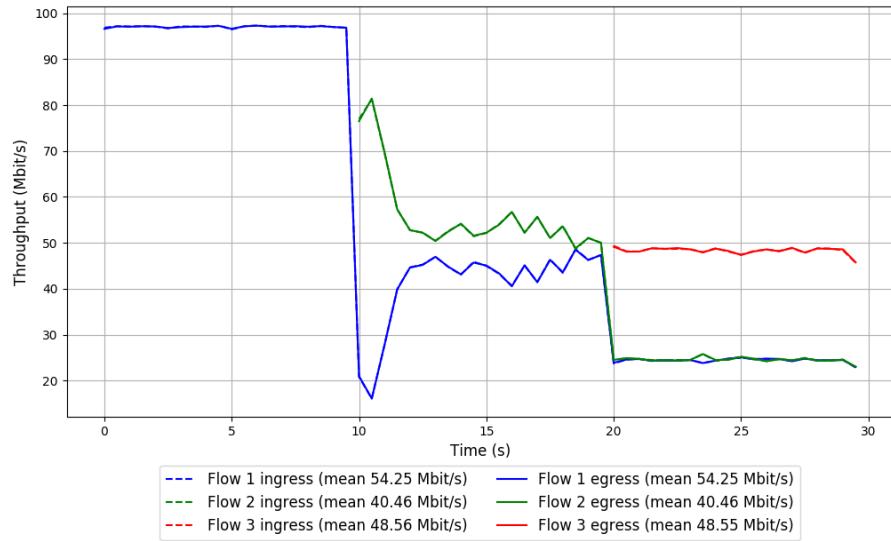


Run 2: Statistics of TCP Vegas

```
Start at: 2018-03-13 17:58:51
End at: 2018-03-13 17:59:21
Local clock offset: -7.435 ms
Remote clock offset: -7.488 ms

# Below is generated by plot.py at 2018-03-13 21:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 2.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 2.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 2.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 2.242 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

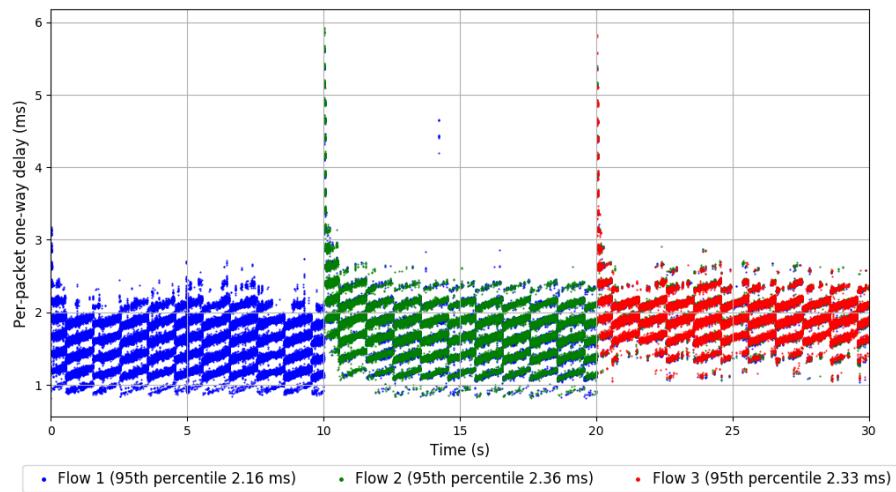
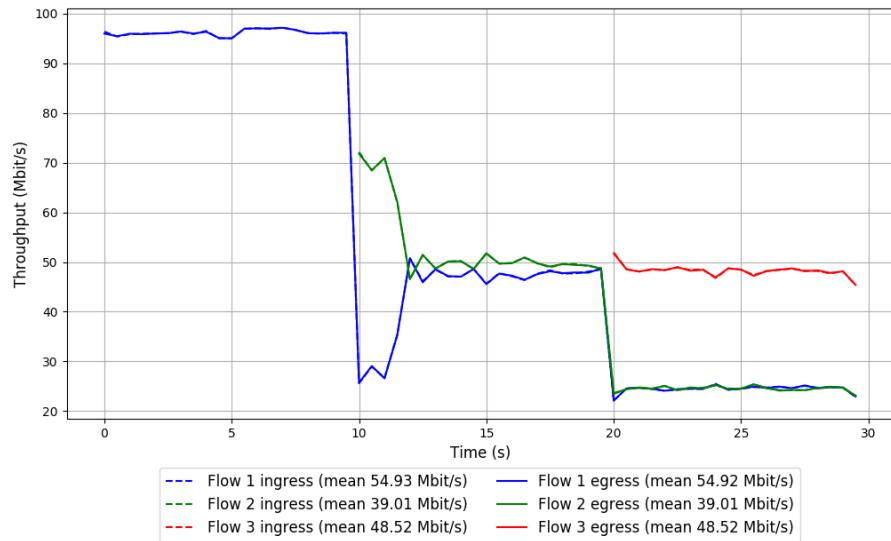


Run 3: Statistics of TCP Vegas

```
Start at: 2018-03-13 18:19:19
End at: 2018-03-13 18:19:49
Local clock offset: -6.828 ms
Remote clock offset: -7.486 ms

# Below is generated by plot.py at 2018-03-13 21:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 2.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.92 Mbit/s
95th percentile per-packet one-way delay: 2.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 2.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

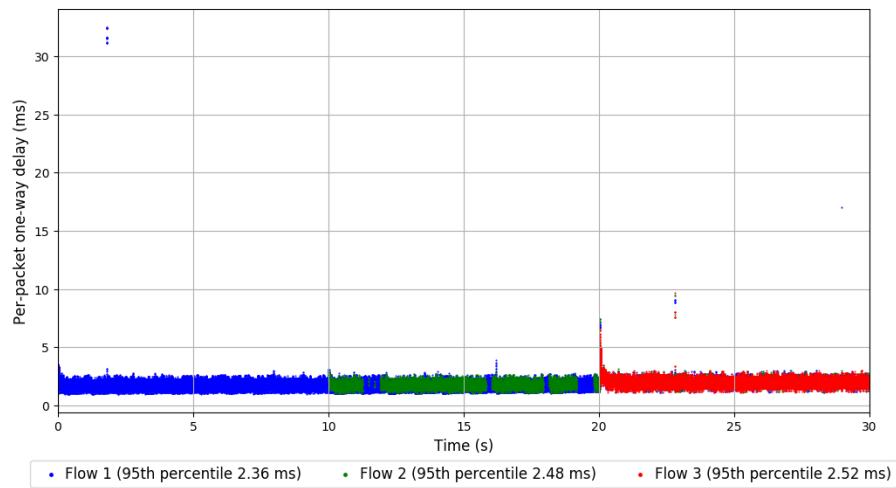
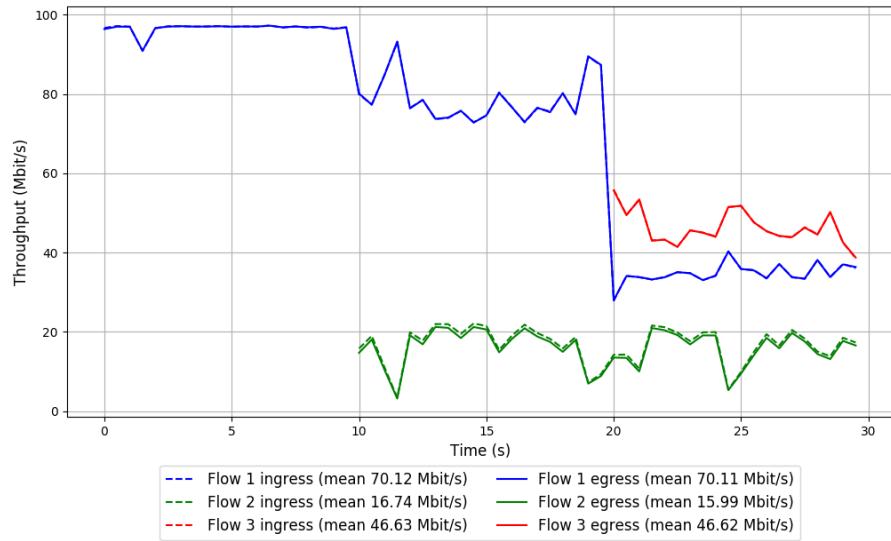


Run 4: Statistics of TCP Vegas

```
Start at: 2018-03-13 18:39:52
End at: 2018-03-13 18:40:22
Local clock offset: -6.836 ms
Remote clock offset: -6.506 ms

# Below is generated by plot.py at 2018-03-13 21:32:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 2.484 ms
Loss rate: 4.44%
-- Flow 3:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

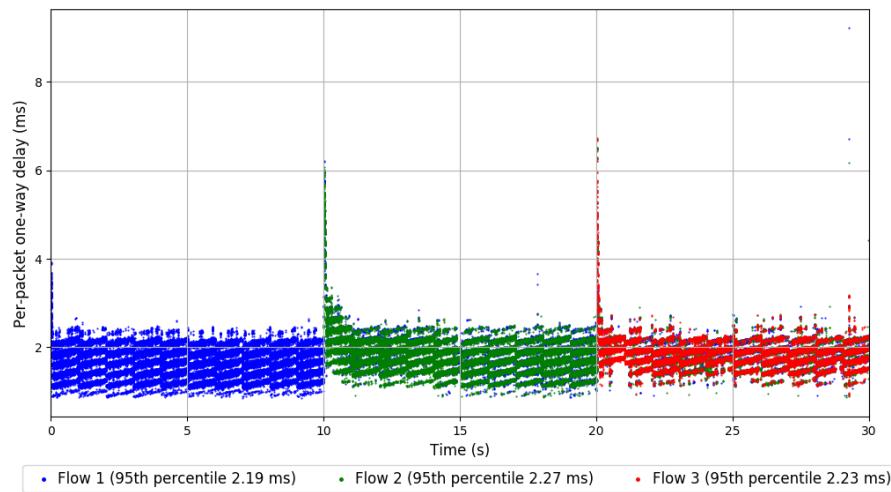
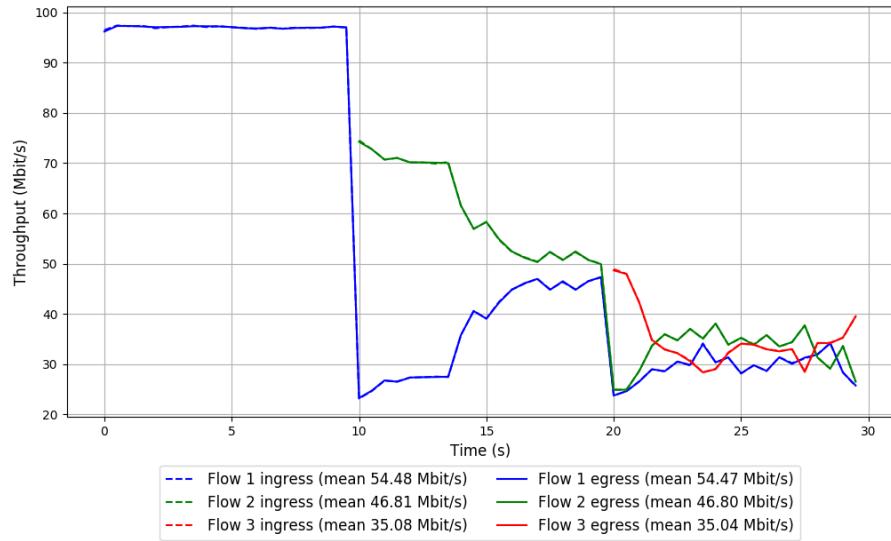


Run 5: Statistics of TCP Vegas

```
Start at: 2018-03-13 19:00:17
End at: 2018-03-13 19:00:47
Local clock offset: -2.732 ms
Remote clock offset: -6.454 ms

# Below is generated by plot.py at 2018-03-13 21:32:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.47 Mbit/s
95th percentile per-packet one-way delay: 2.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 2.269 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 2.226 ms
Loss rate: 0.12%
```

Run 5: Report of TCP Vegas — Data Link

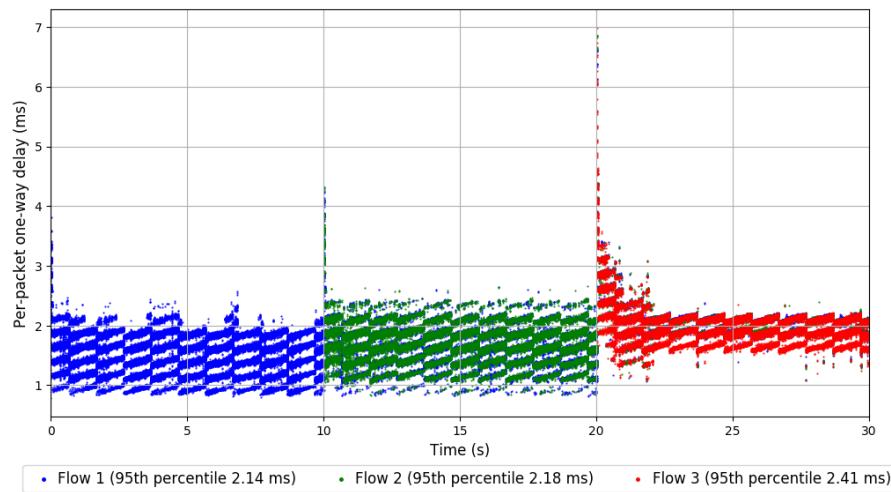
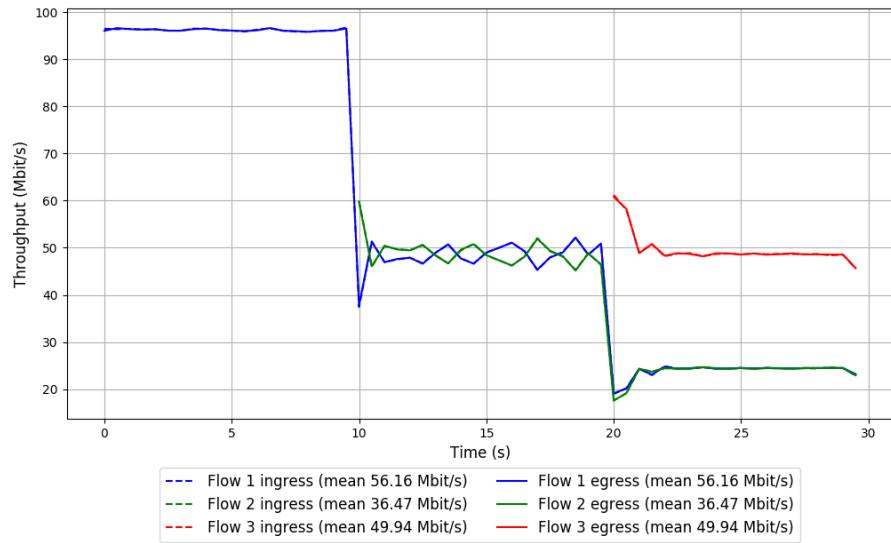


Run 6: Statistics of TCP Vegas

```
Start at: 2018-03-13 19:20:45
End at: 2018-03-13 19:21:15
Local clock offset: -2.631 ms
Remote clock offset: -6.592 ms

# Below is generated by plot.py at 2018-03-13 21:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 2.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 2.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

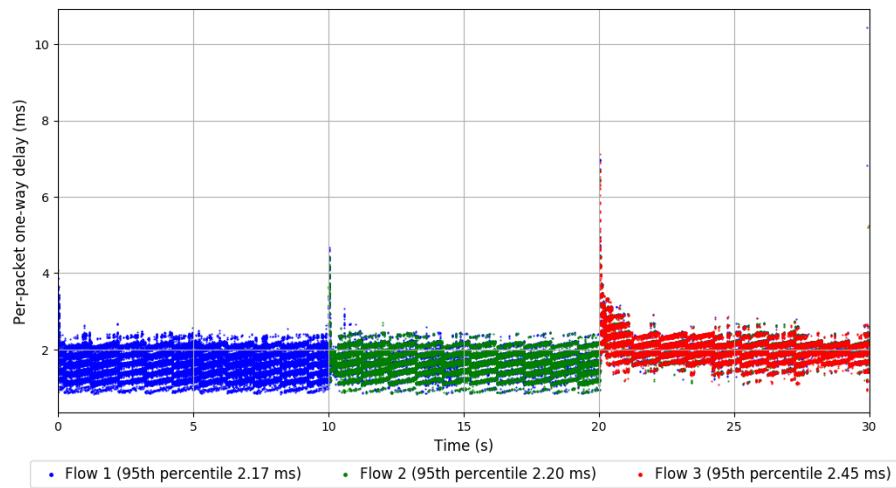
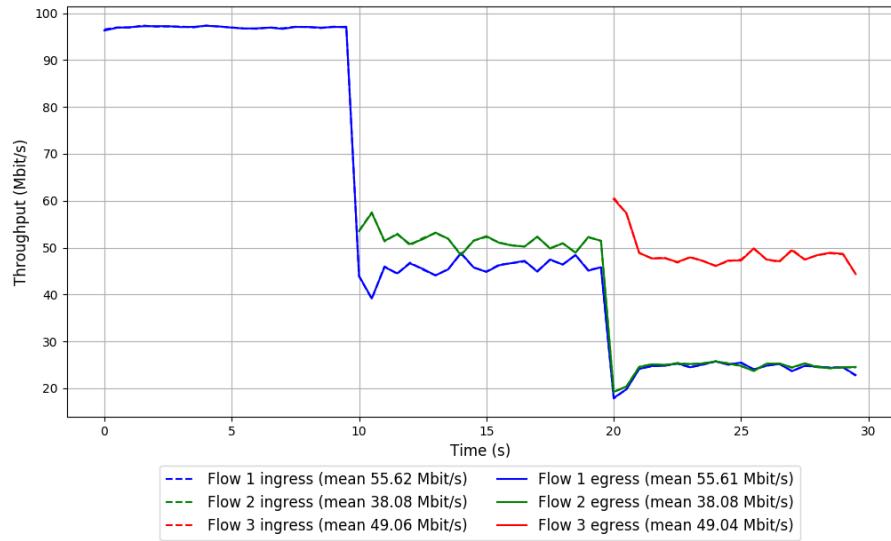


Run 7: Statistics of TCP Vegas

```
Start at: 2018-03-13 19:41:12
End at: 2018-03-13 19:41:42
Local clock offset: -2.697 ms
Remote clock offset: -6.409 ms

# Below is generated by plot.py at 2018-03-13 21:32:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 2.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 2.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

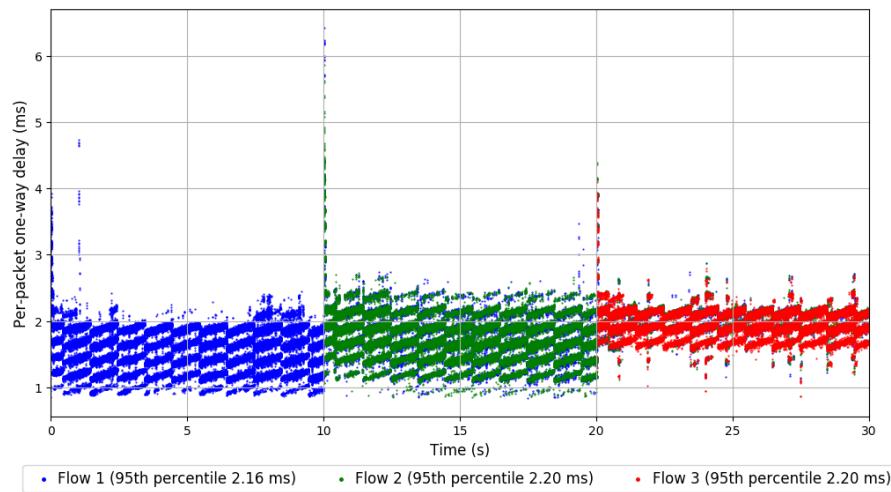
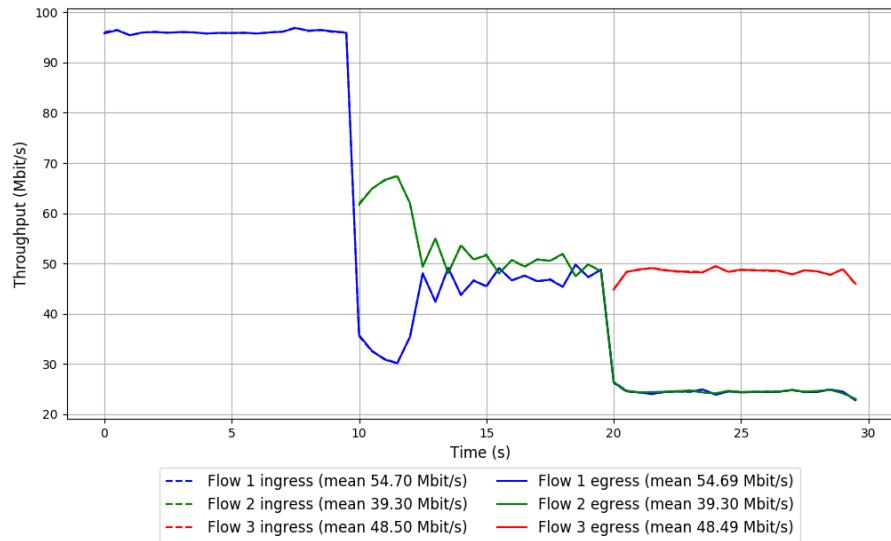


Run 8: Statistics of TCP Vegas

```
Start at: 2018-03-13 20:01:41
End at: 2018-03-13 20:02:11
Local clock offset: -5.955 ms
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2018-03-13 21:32:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 2.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 2.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 2.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 2.197 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

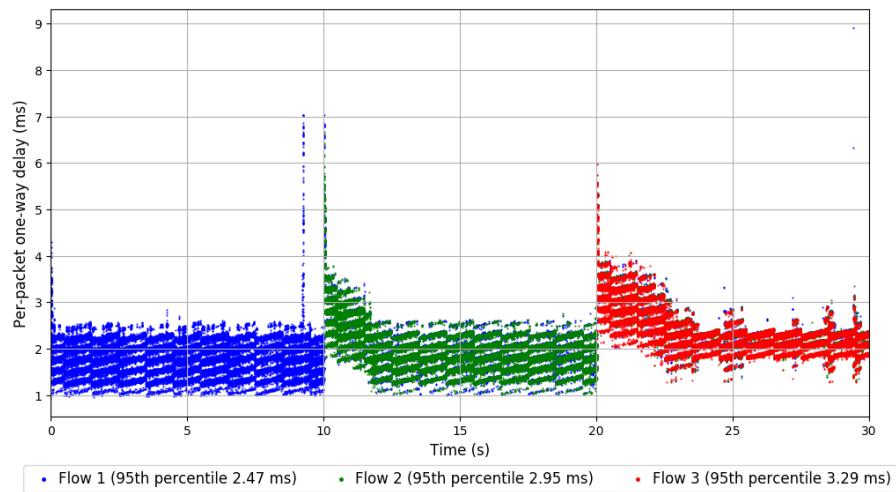
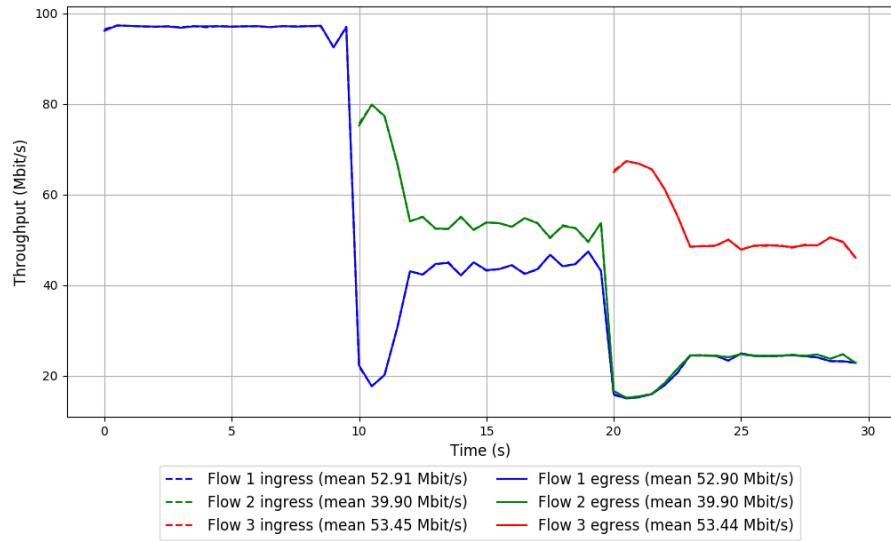


Run 9: Statistics of TCP Vegas

```
Start at: 2018-03-13 20:22:08
End at: 2018-03-13 20:22:38
Local clock offset: -7.532 ms
Remote clock offset: -6.727 ms

# Below is generated by plot.py at 2018-03-13 21:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 2.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 2.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.44 Mbit/s
95th percentile per-packet one-way delay: 3.287 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

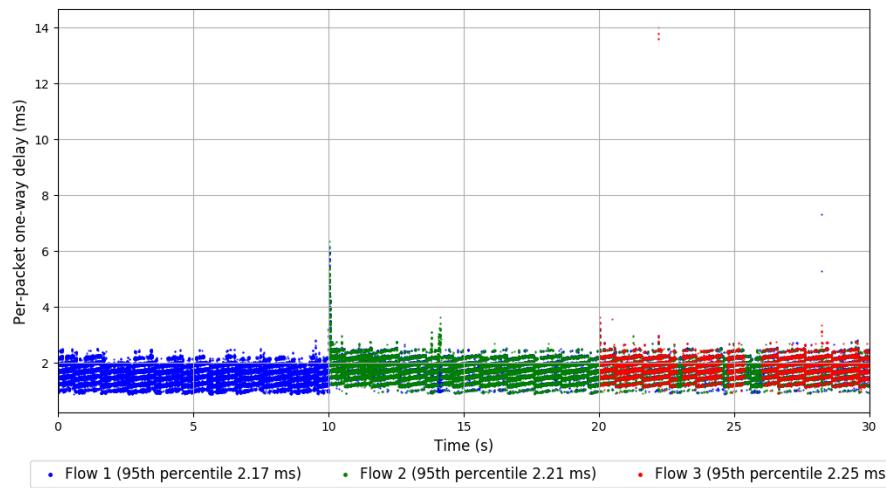
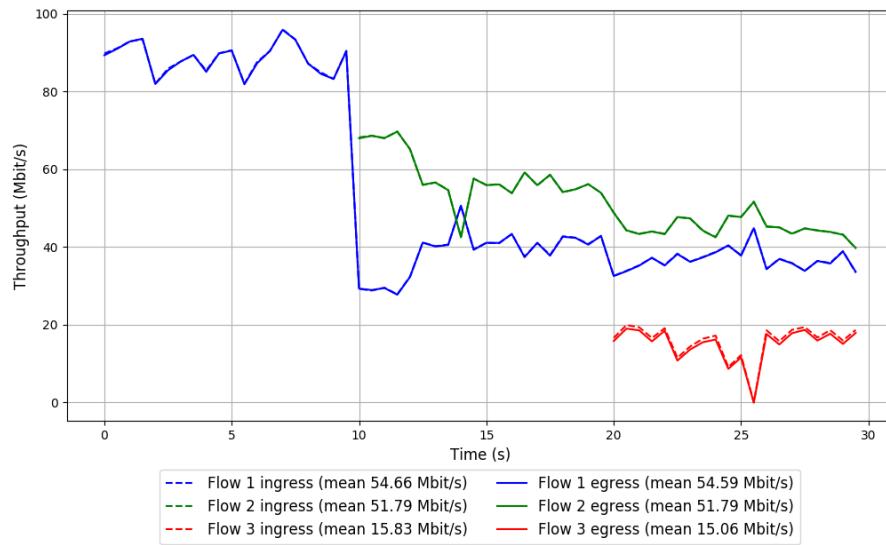


Run 10: Statistics of TCP Vegas

```
Start at: 2018-03-13 20:42:35
End at: 2018-03-13 20:43:05
Local clock offset: -6.582 ms
Remote clock offset: -6.67 ms

# Below is generated by plot.py at 2018-03-13 21:33:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 2.196 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 2.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 2.255 ms
Loss rate: 4.86%
```

Run 10: Report of TCP Vegas — Data Link

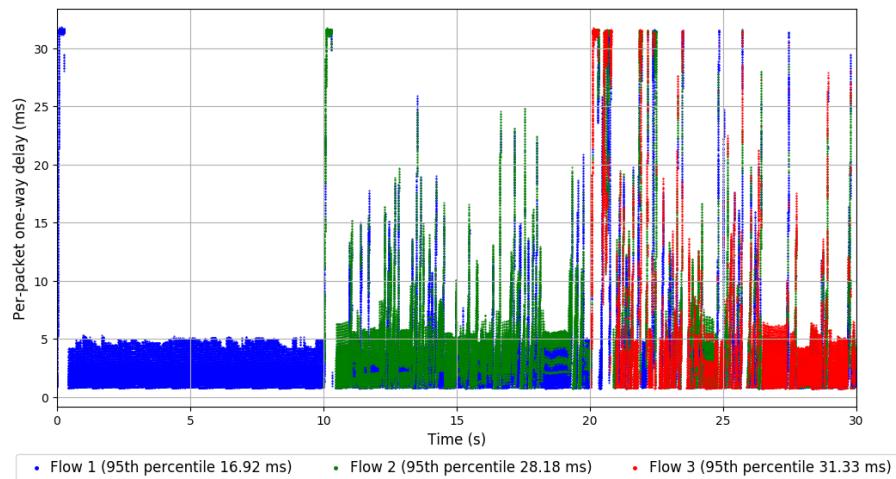
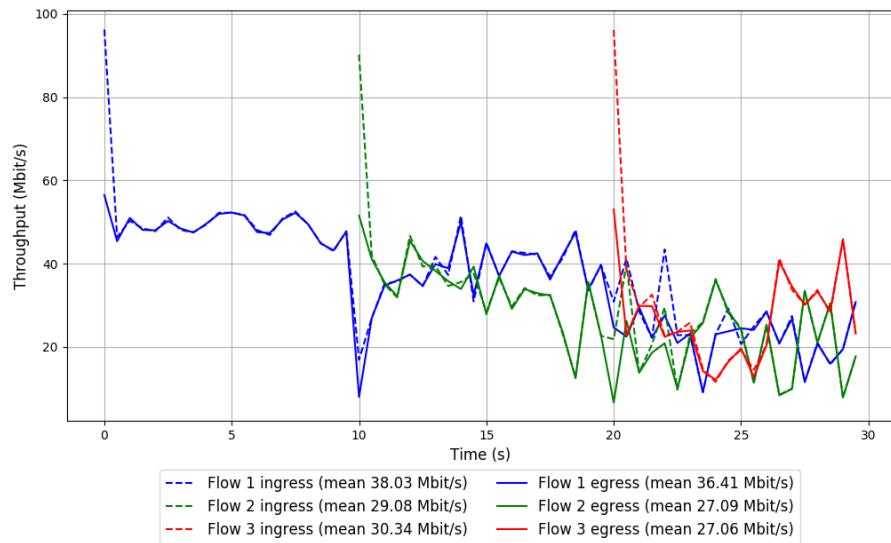


Run 1: Statistics of Verus

```
Start at: 2018-03-13 17:40:41
End at: 2018-03-13 17:41:11
Local clock offset: -5.725 ms
Remote clock offset: -7.204 ms

# Below is generated by plot.py at 2018-03-13 21:33:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 25.448 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 16.924 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 28.183 ms
Loss rate: 6.84%
-- Flow 3:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: 31.326 ms
Loss rate: 10.78%
```

Run 1: Report of Verus — Data Link

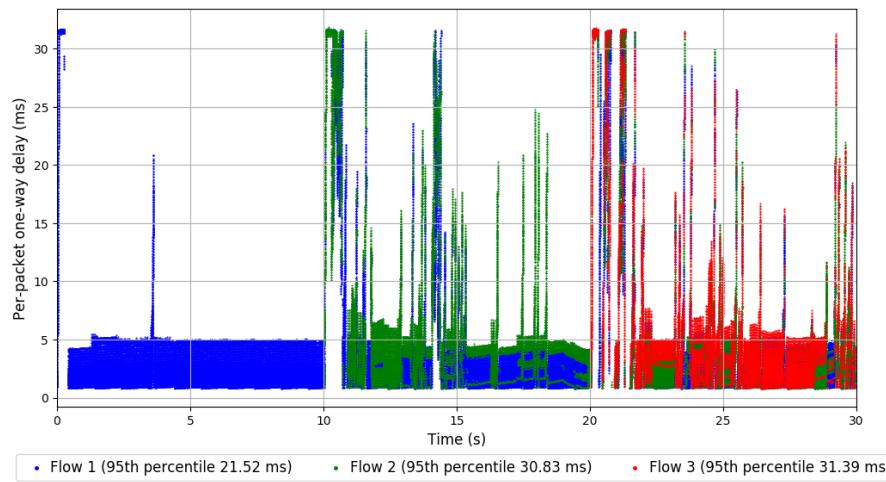
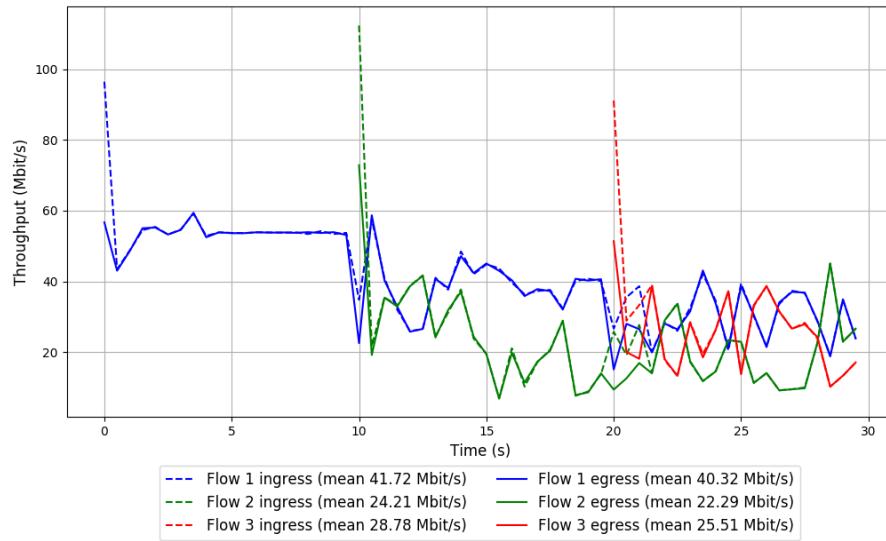


Run 2: Statistics of Verus

```
Start at: 2018-03-13 18:01:08
End at: 2018-03-13 18:01:38
Local clock offset: -7.543 ms
Remote clock offset: -7.527 ms

# Below is generated by plot.py at 2018-03-13 21:33:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 27.183 ms
Loss rate: 5.57%
-- Flow 1:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 21.519 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 30.834 ms
Loss rate: 7.91%
-- Flow 3:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 31.389 ms
Loss rate: 11.38%
```

Run 2: Report of Verus — Data Link

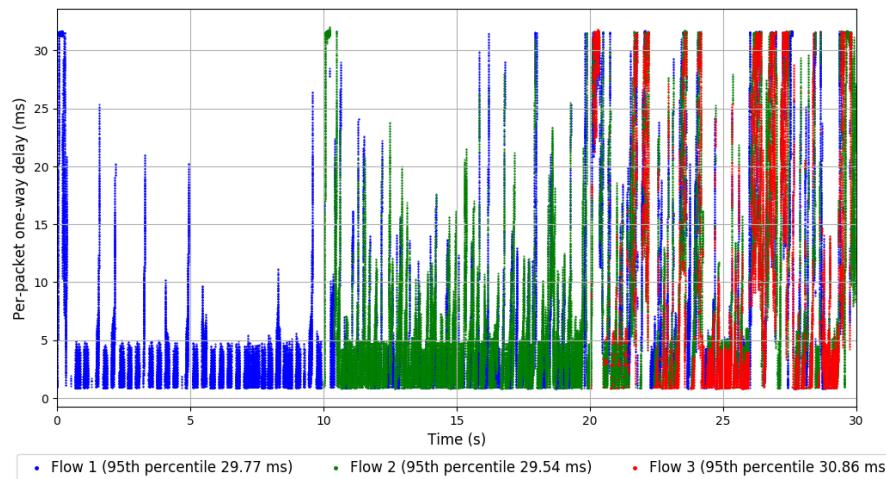
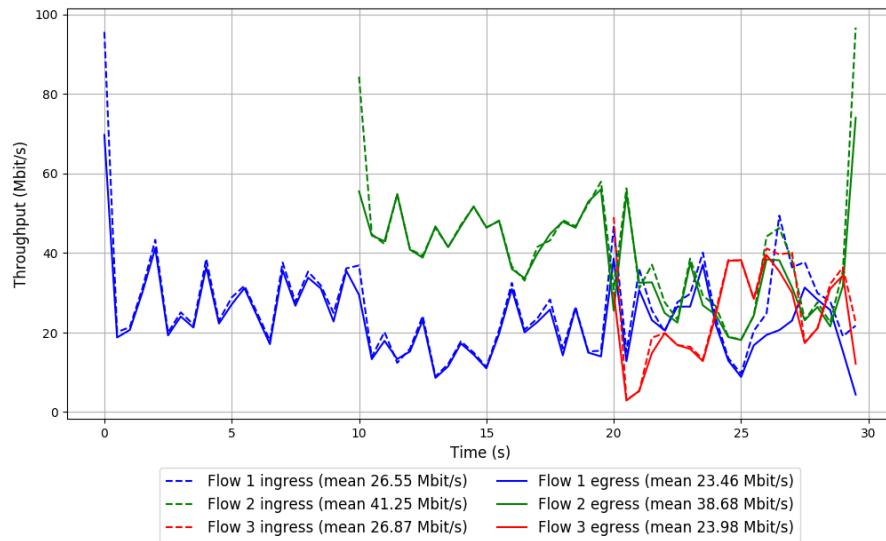


Run 3: Statistics of Verus

```
Start at: 2018-03-13 18:21:36
End at: 2018-03-13 18:22:06
Local clock offset: -6.825 ms
Remote clock offset: -7.227 ms

# Below is generated by plot.py at 2018-03-13 21:33:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 30.106 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 29.767 ms
Loss rate: 11.56%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 29.544 ms
Loss rate: 6.09%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 30.864 ms
Loss rate: 10.49%
```

Run 3: Report of Verus — Data Link

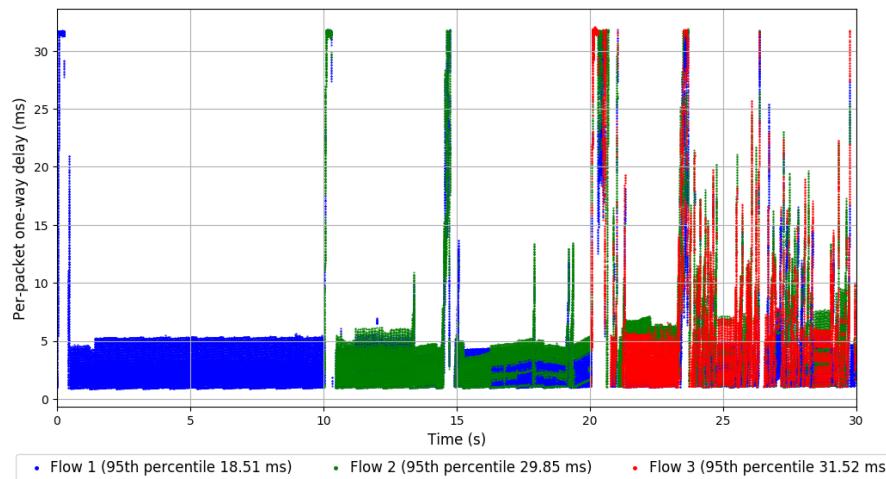
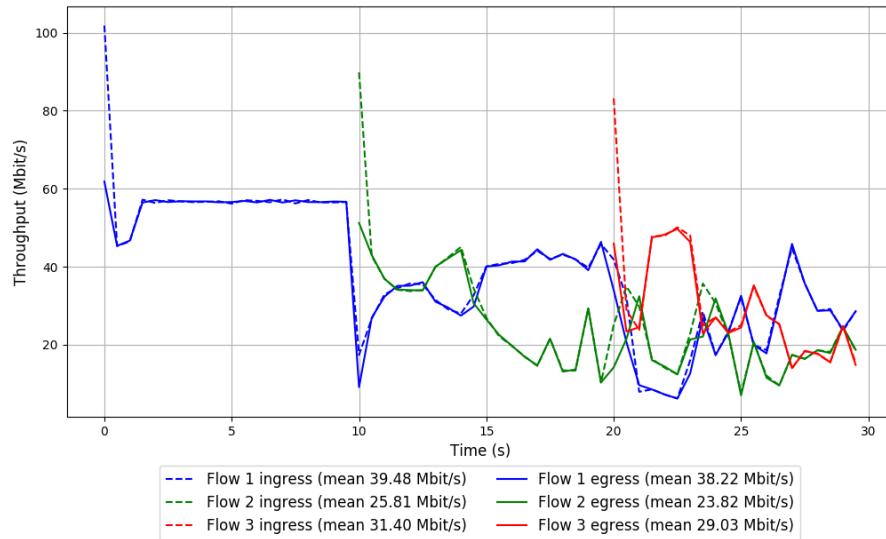


Run 4: Statistics of Verus

```
Start at: 2018-03-13 18:42:09
End at: 2018-03-13 18:42:39
Local clock offset: -5.841 ms
Remote clock offset: -6.482 ms

# Below is generated by plot.py at 2018-03-13 21:33:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 25.800 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 18.510 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 7.69%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 31.524 ms
Loss rate: 7.55%
```

Run 4: Report of Verus — Data Link

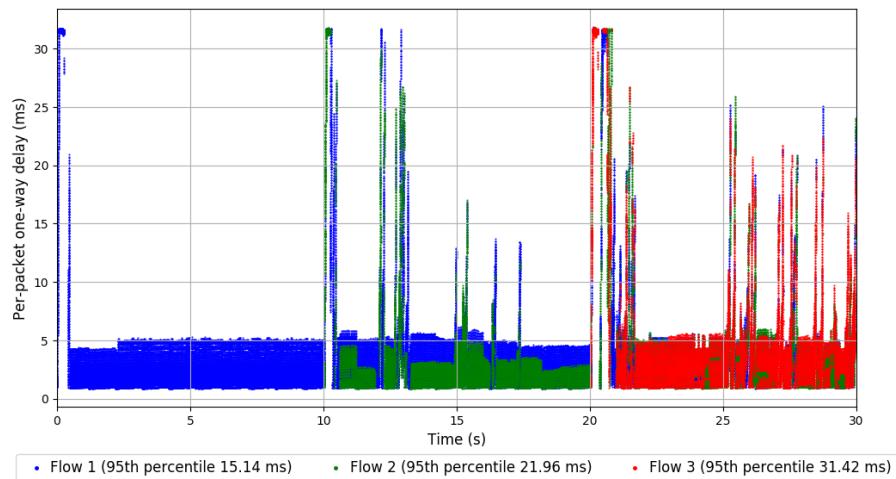
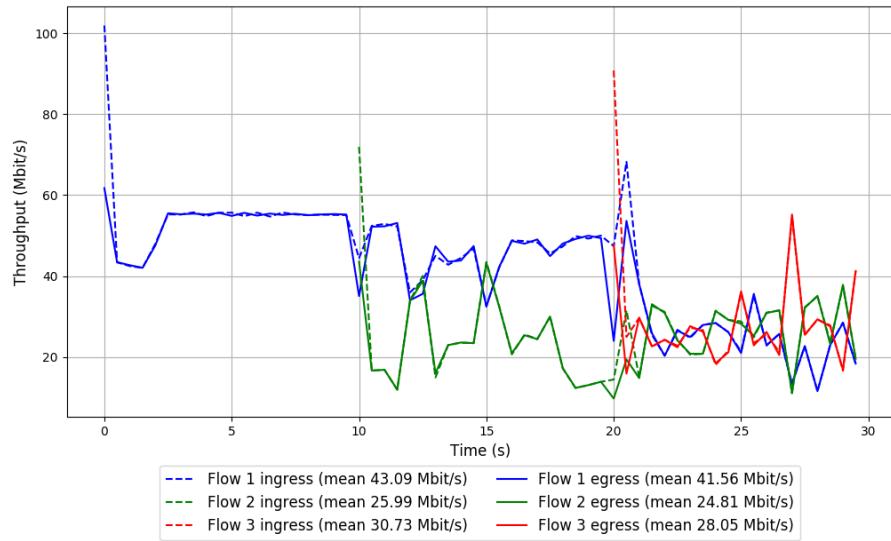


Run 5: Statistics of Verus

```
Start at: 2018-03-13 19:02:34
End at: 2018-03-13 19:03:04
Local clock offset: -2.67 ms
Remote clock offset: -6.515 ms

# Below is generated by plot.py at 2018-03-13 21:33:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.38 Mbit/s
95th percentile per-packet one-way delay: 20.567 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 41.56 Mbit/s
95th percentile per-packet one-way delay: 15.136 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 21.959 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 31.416 ms
Loss rate: 8.54%
```

Run 5: Report of Verus — Data Link

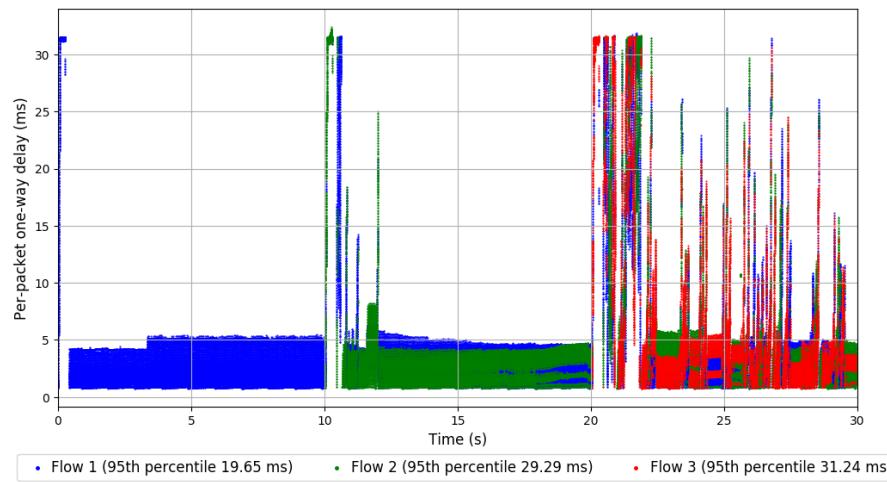
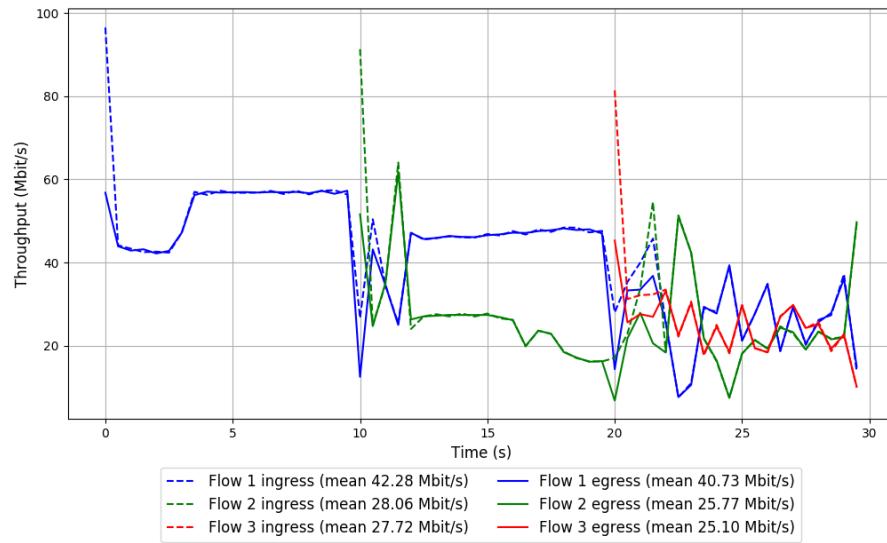


Run 6: Statistics of Verus

```
Start at: 2018-03-13 19:23:02
End at: 2018-03-13 19:23:32
Local clock offset: -2.604 ms
Remote clock offset: -6.521 ms

# Below is generated by plot.py at 2018-03-13 21:33:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 26.263 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 19.649 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 29.291 ms
Loss rate: 8.12%
-- Flow 3:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 31.239 ms
Loss rate: 9.43%
```

Run 6: Report of Verus — Data Link

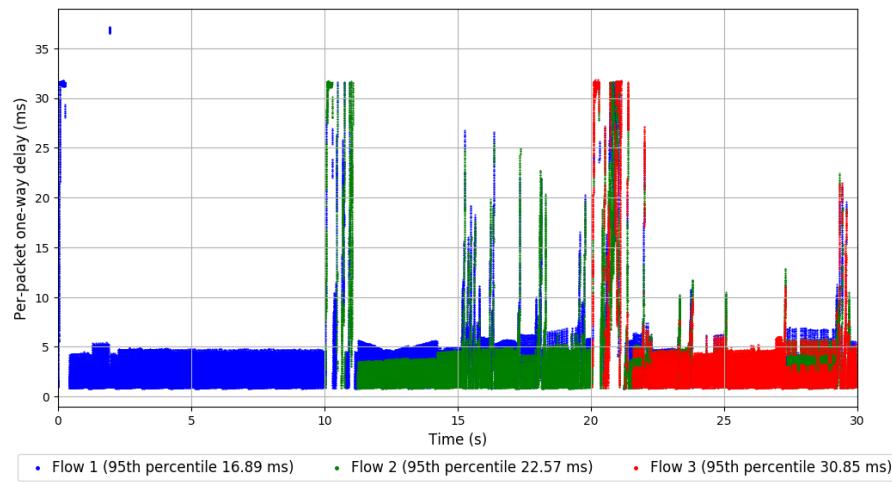
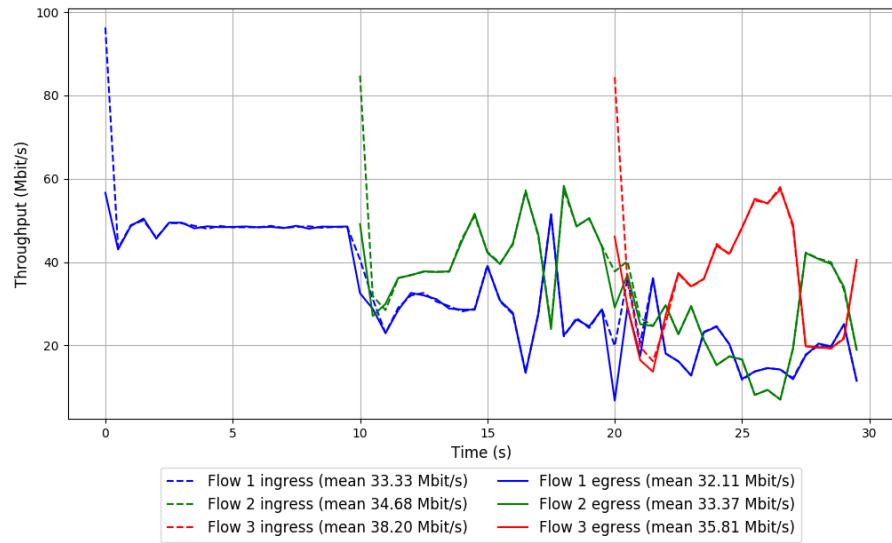


Run 7: Statistics of Verus

```
Start at: 2018-03-13 19:43:29
End at: 2018-03-13 19:43:59
Local clock offset: -2.662 ms
Remote clock offset: -6.366 ms

# Below is generated by plot.py at 2018-03-13 21:33:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 22.228 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 16.893 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 22.573 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 30.850 ms
Loss rate: 6.25%
```

Run 7: Report of Verus — Data Link

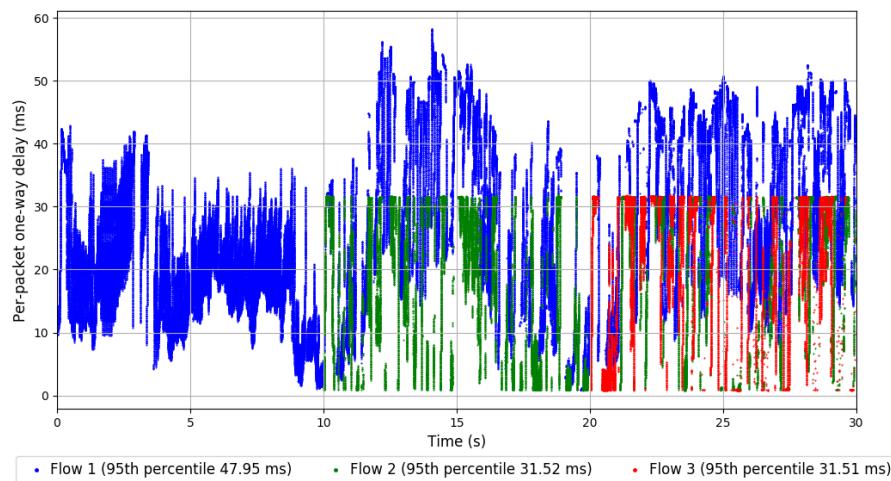
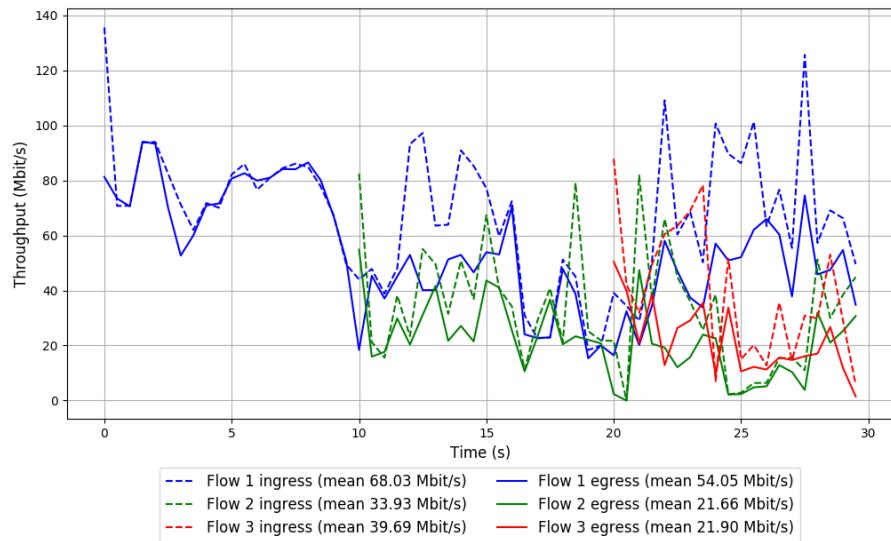


Run 8: Statistics of Verus

```
Start at: 2018-03-13 20:03:58
End at: 2018-03-13 20:04:28
Local clock offset: -6.168 ms
Remote clock offset: -6.447 ms

# Below is generated by plot.py at 2018-03-13 21:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.73 Mbit/s
95th percentile per-packet one-way delay: 46.404 ms
Loss rate: 27.00%
-- Flow 1:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: 47.953 ms
Loss rate: 20.54%
-- Flow 2:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 31.523 ms
Loss rate: 36.08%
-- Flow 3:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 31.511 ms
Loss rate: 44.81%
```

Run 8: Report of Verus — Data Link

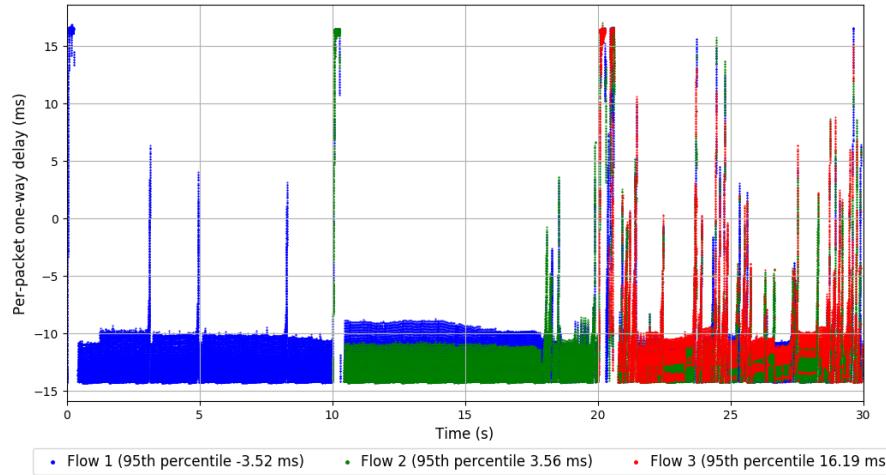
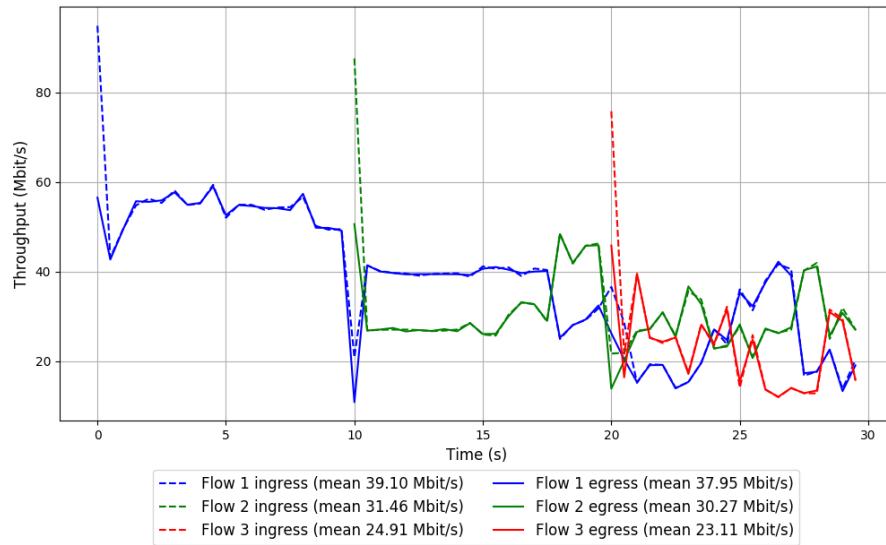


Run 9: Statistics of Verus

```
Start at: 2018-03-13 20:24:25
End at: 2018-03-13 20:24:55
Local clock offset: -7.176 ms
Remote clock offset: -21.971 ms

# Below is generated by plot.py at 2018-03-13 21:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.76 Mbit/s
95th percentile per-packet one-way delay: 1.966 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: -3.525 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 3.562 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 16.194 ms
Loss rate: 7.24%
```

Run 9: Report of Verus — Data Link

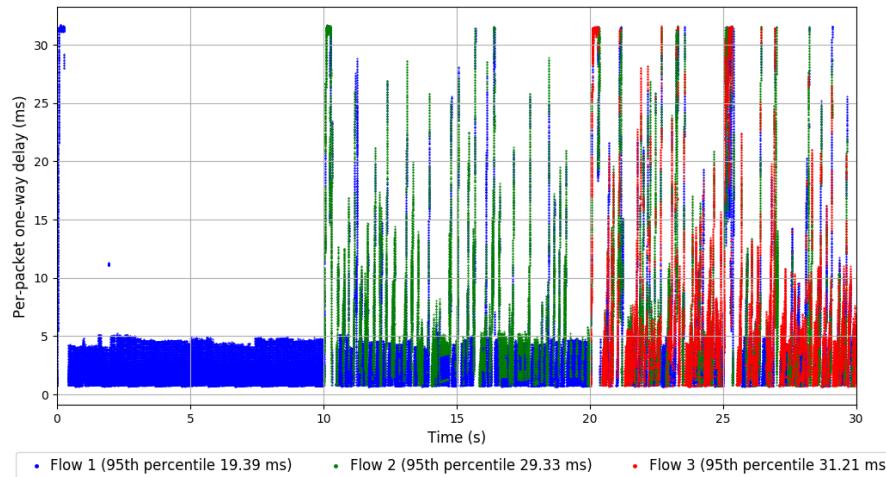
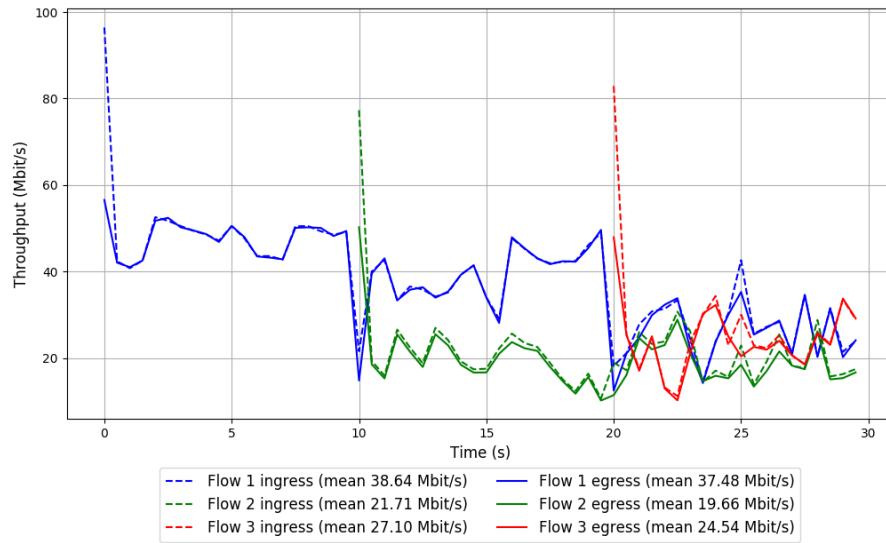


Run 10: Statistics of Verus

```
Start at: 2018-03-13 20:44:52
End at: 2018-03-13 20:45:22
Local clock offset: -6.518 ms
Remote clock offset: -6.753 ms

# Below is generated by plot.py at 2018-03-13 21:34:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 26.209 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 29.332 ms
Loss rate: 9.44%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 31.212 ms
Loss rate: 9.41%
```

Run 10: Report of Verus — Data Link

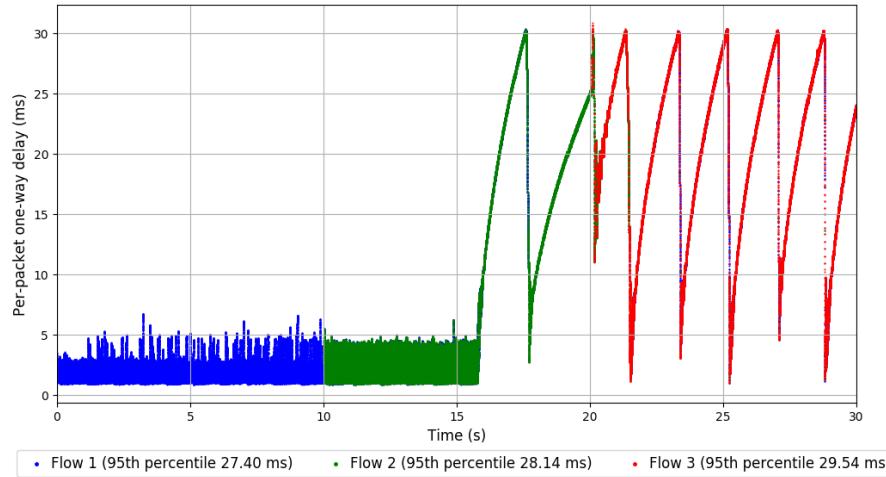
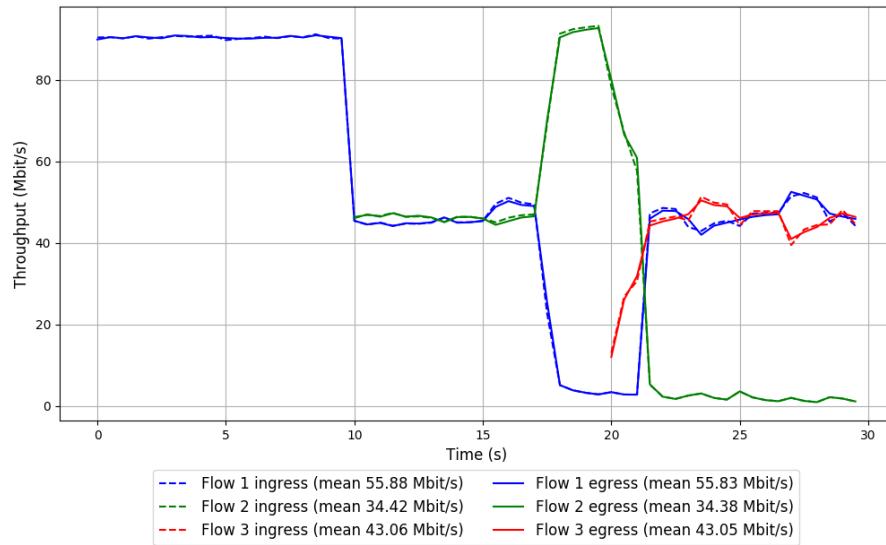


Run 1: Statistics of Copa

```
Start at: 2018-03-13 17:30:25
End at: 2018-03-13 17:30:55
Local clock offset: -3.682 ms
Remote clock offset: -7.044 ms

# Below is generated by plot.py at 2018-03-13 21:35:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 28.370 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 27.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 28.139 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 29.536 ms
Loss rate: 0.02%
```

Run 1: Report of Copa — Data Link

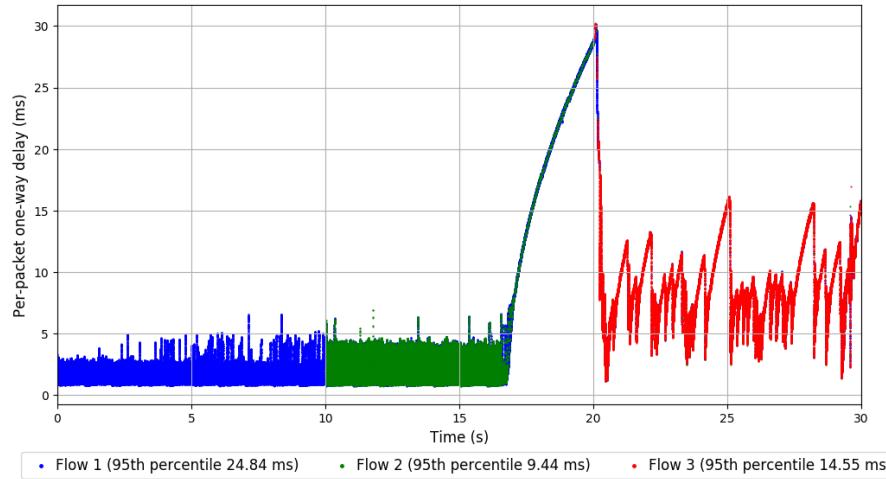
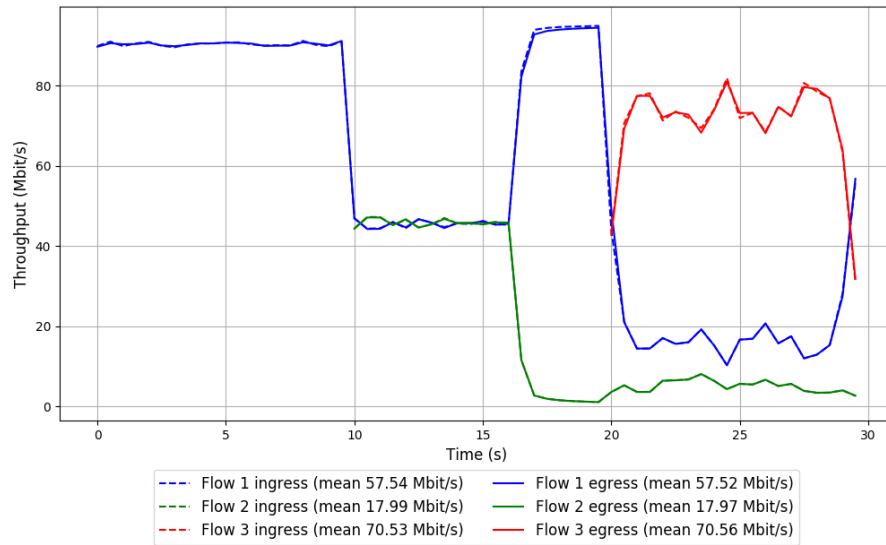


Run 2: Statistics of Copa

```
Start at: 2018-03-13 17:50:52
End at: 2018-03-13 17:51:22
Local clock offset: -6.73 ms
Remote clock offset: -7.37 ms

# Below is generated by plot.py at 2018-03-13 21:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 21.981 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 24.836 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 9.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 14.555 ms
Loss rate: 0.09%
```

Run 2: Report of Copa — Data Link

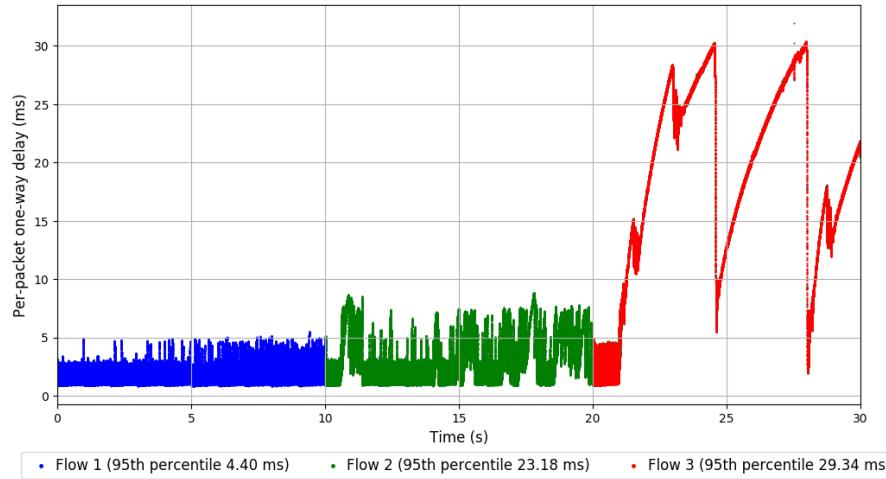
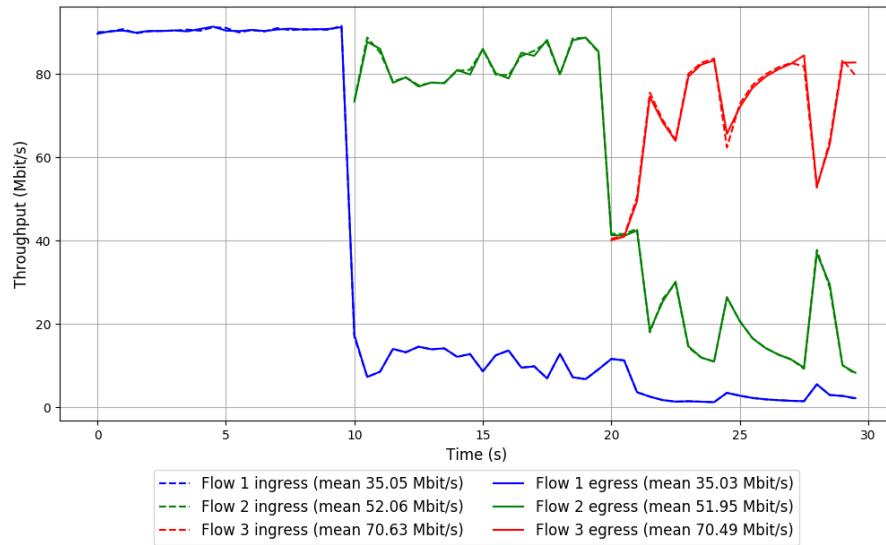


Run 3: Statistics of Copa

```
Start at: 2018-03-13 18:11:20
End at: 2018-03-13 18:11:50
Local clock offset: -7.113 ms
Remote clock offset: -7.743 ms

# Below is generated by plot.py at 2018-03-13 21:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 27.467 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 23.180 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 70.49 Mbit/s
95th percentile per-packet one-way delay: 29.335 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

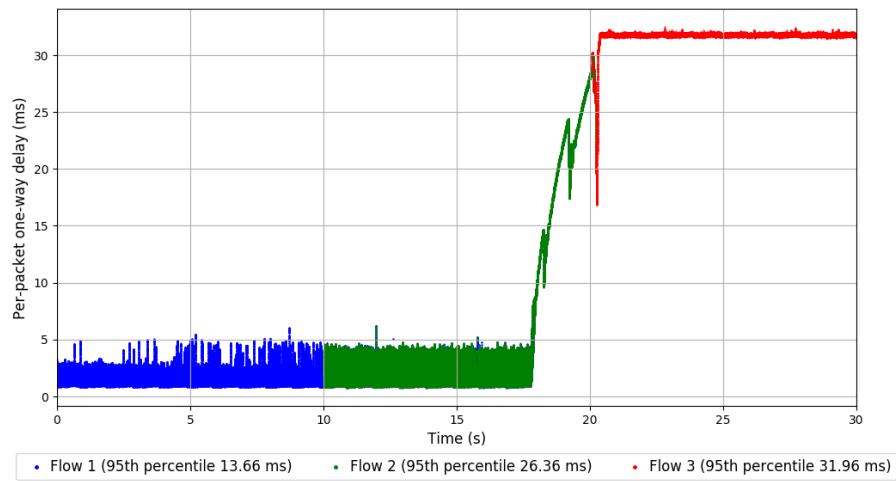
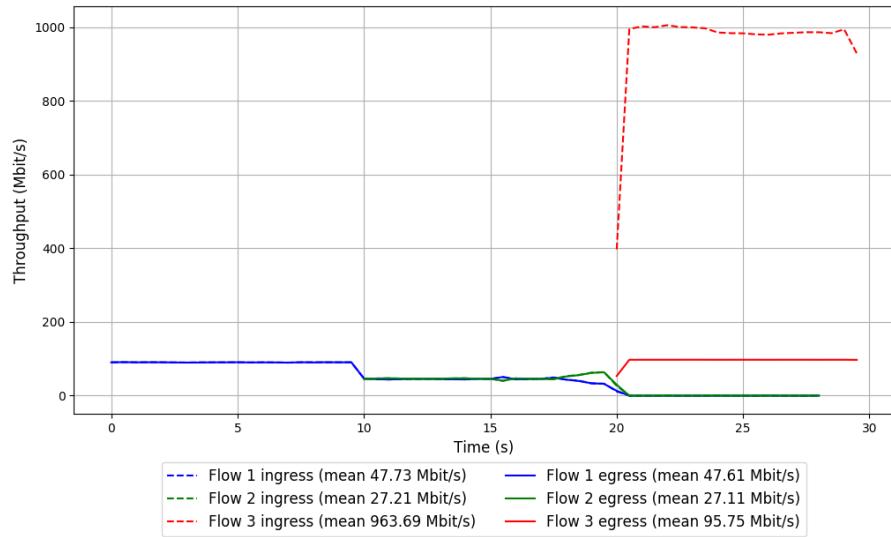


Run 4: Statistics of Copa

```
Start at: 2018-03-13 18:31:47
End at: 2018-03-13 18:32:17
Local clock offset: -6.857 ms
Remote clock offset: -6.643 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 31.885 ms
Loss rate: 75.51%
-- Flow 1:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 13.658 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 26.356 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 31.958 ms
Loss rate: 90.06%
```

Run 4: Report of Copa — Data Link

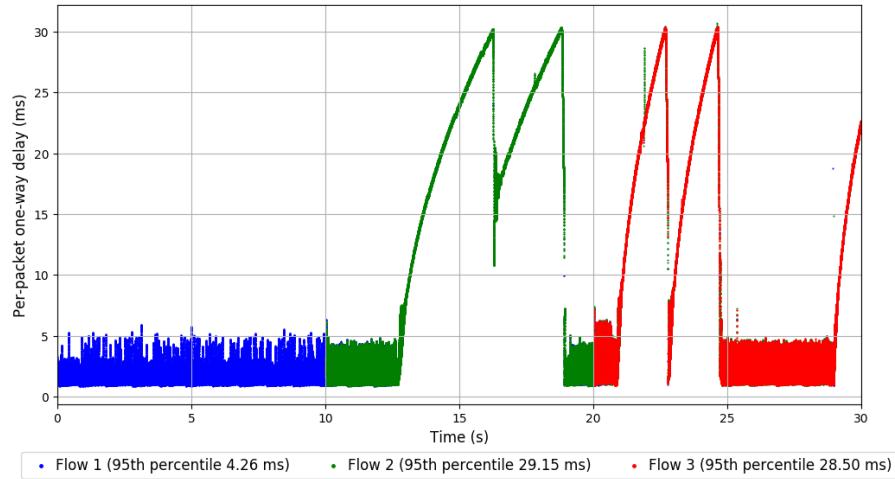
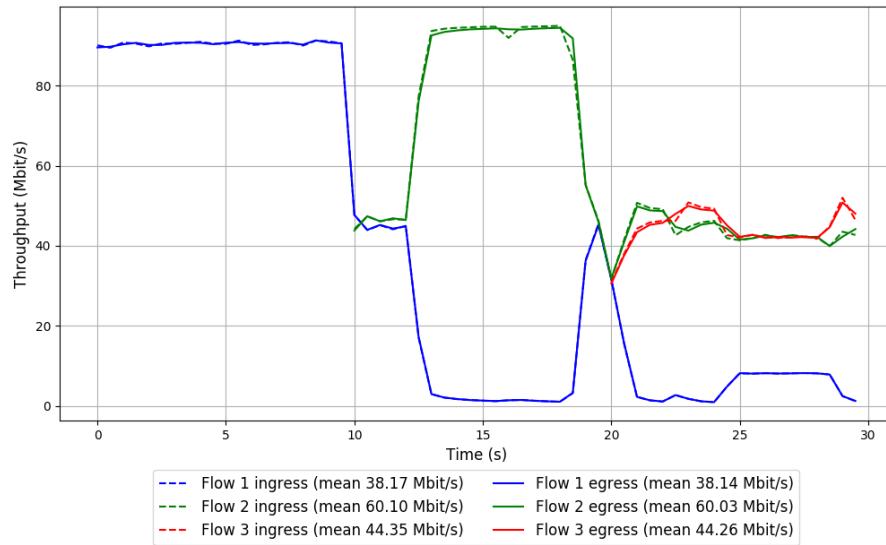


Run 5: Statistics of Copa

```
Start at: 2018-03-13 18:52:20
End at: 2018-03-13 18:52:50
Local clock offset: -3.491 ms
Remote clock offset: -6.423 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 28.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 4.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 29.152 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 28.495 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

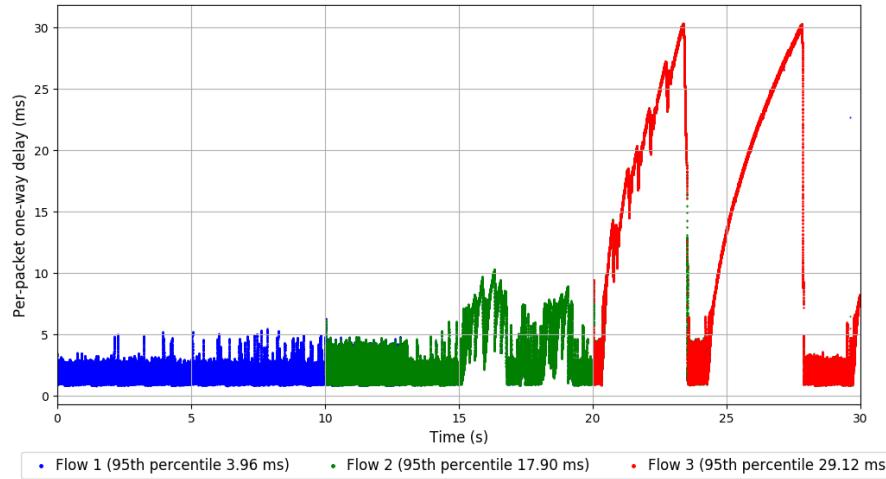
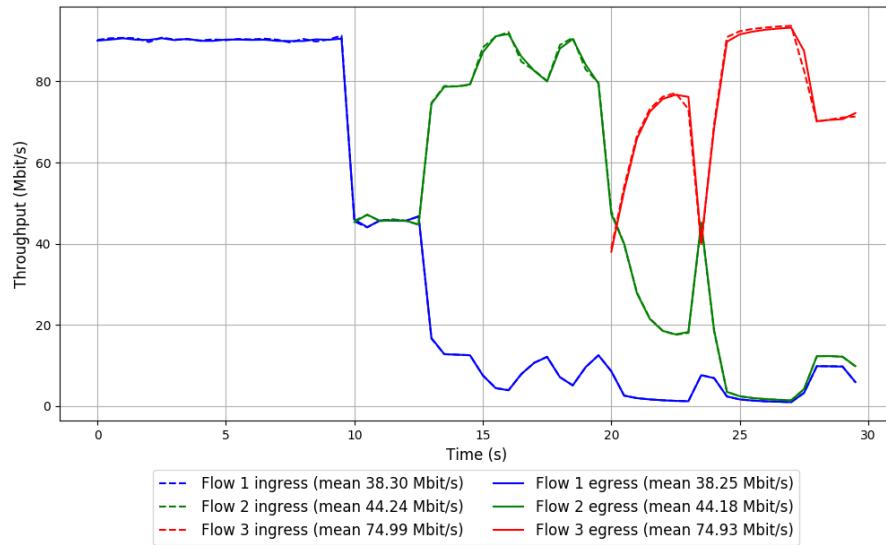


Run 6: Statistics of Copa

```
Start at: 2018-03-13 19:12:45
End at: 2018-03-13 19:13:15
Local clock offset: -2.128 ms
Remote clock offset: -6.547 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 26.374 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 3.965 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 17.897 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 29.120 ms
Loss rate: 0.01%
```

Run 6: Report of Copa — Data Link

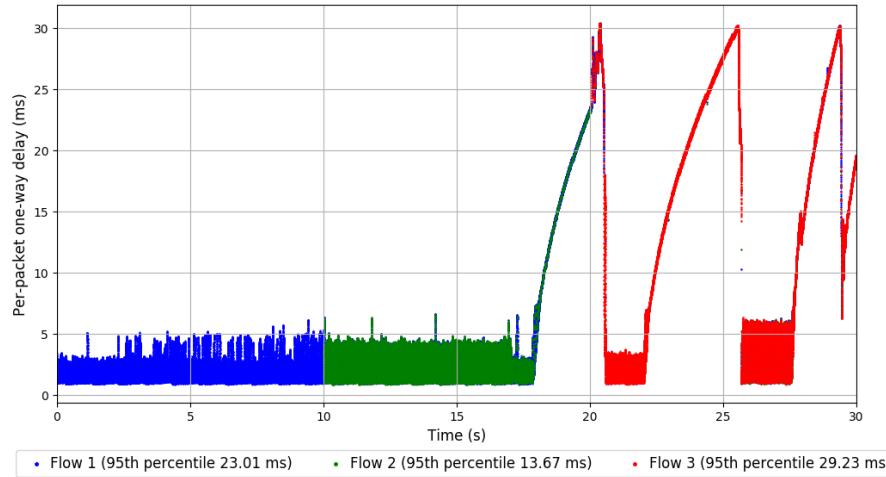
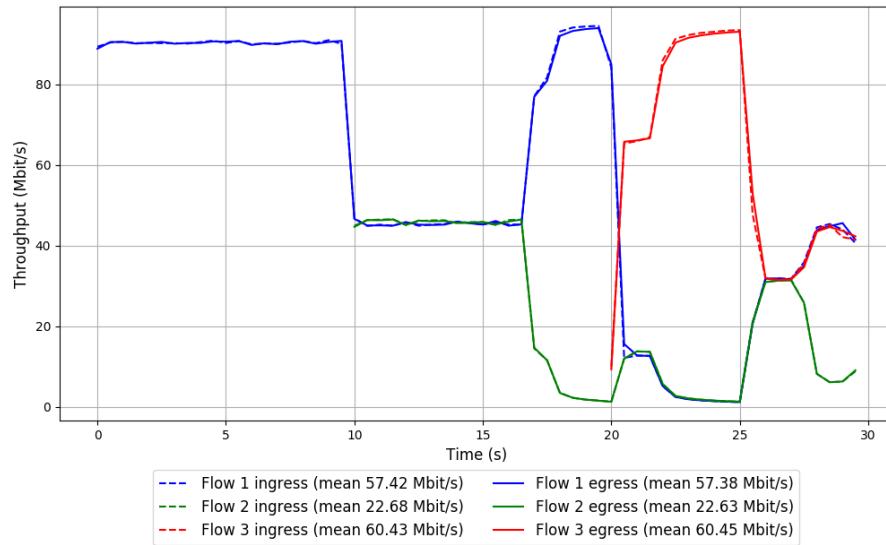


Run 7: Statistics of Copa

```
Start at: 2018-03-13 19:33:12
End at: 2018-03-13 19:33:43
Local clock offset: -2.841 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 26.763 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 23.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 13.673 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 29.232 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

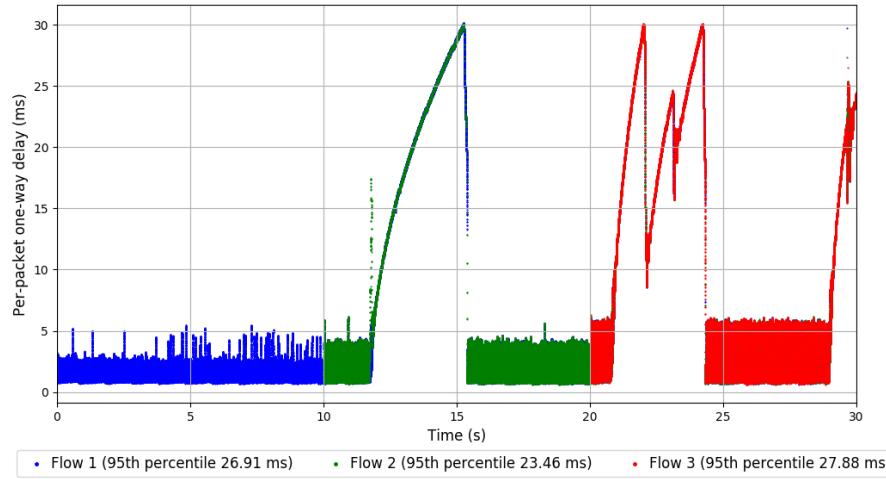
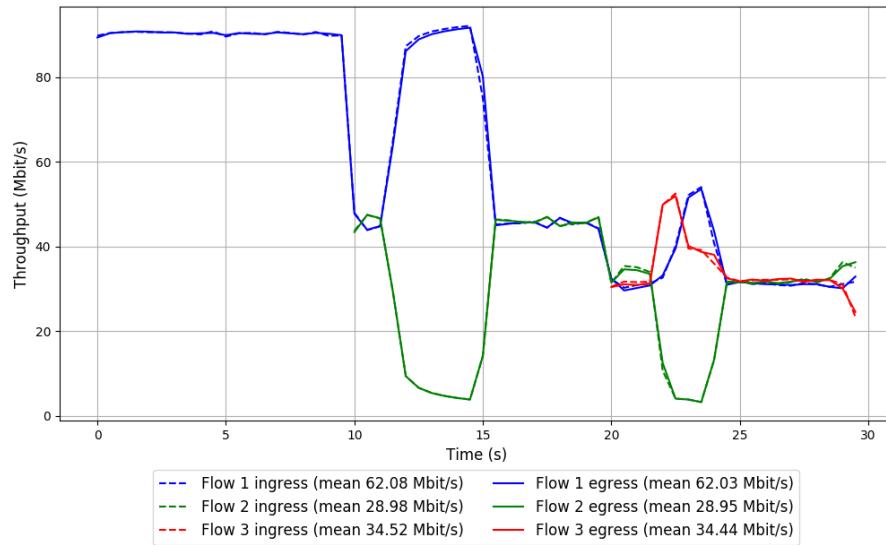


Run 8: Statistics of Copa

```
Start at: 2018-03-13 19:53:40
End at: 2018-03-13 19:54:10
Local clock offset: -4.493 ms
Remote clock offset: -6.351 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 26.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.03 Mbit/s
95th percentile per-packet one-way delay: 26.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 23.463 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 27.882 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

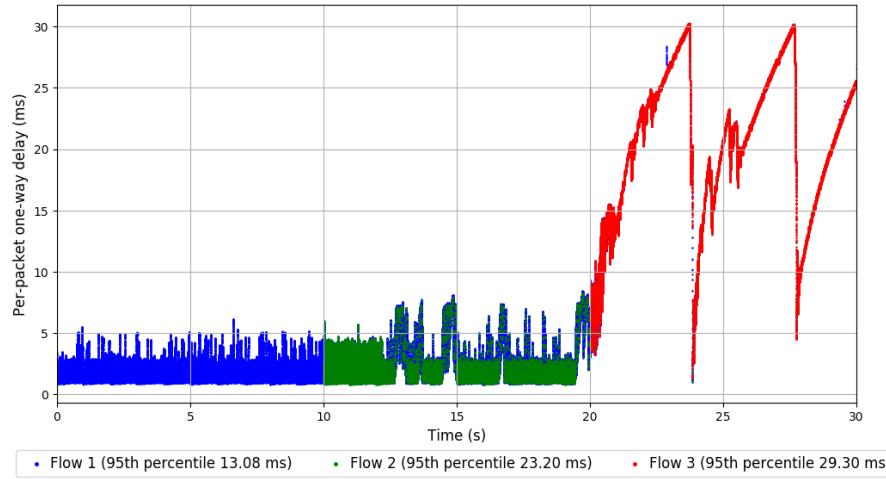
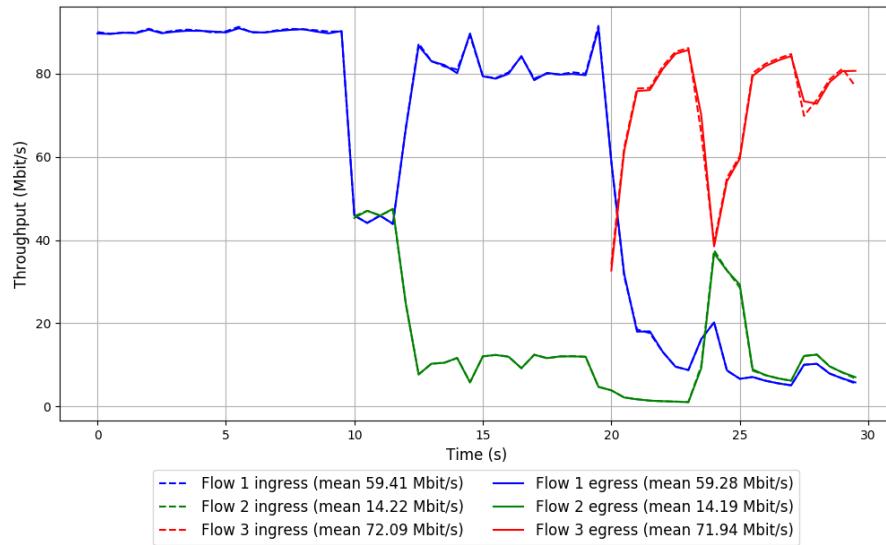


Run 9: Statistics of Copa

```
Start at: 2018-03-13 20:14:08
End at: 2018-03-13 20:14:38
Local clock offset: -7.004 ms
Remote clock offset: -6.626 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 26.924 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 13.082 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 23.204 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 29.299 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

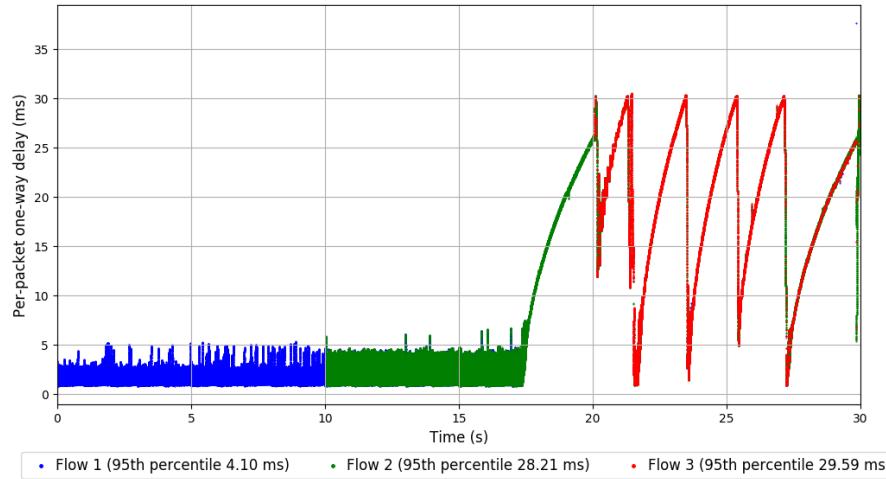
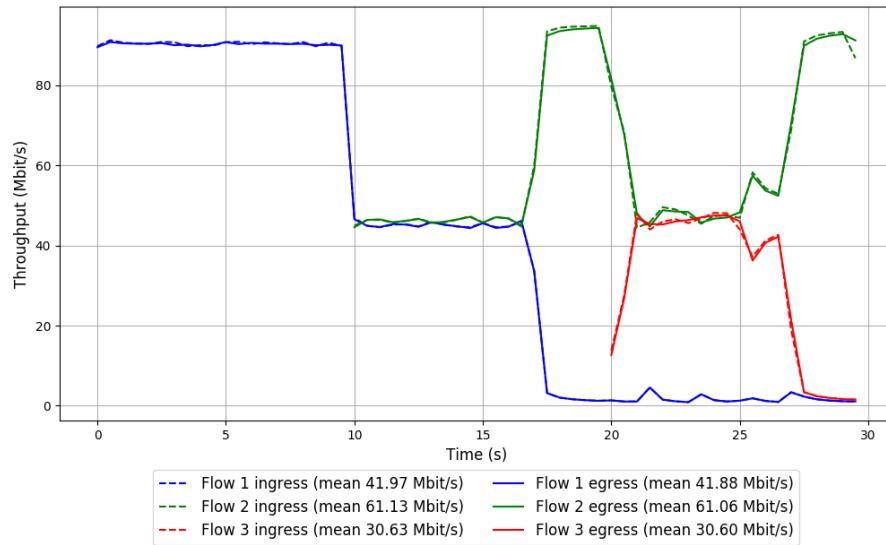


Run 10: Statistics of Copa

```
Start at: 2018-03-13 20:34:37
End at: 2018-03-13 20:35:07
Local clock offset: -6.514 ms
Remote clock offset: -6.676 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 27.456 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 4.097 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 28.215 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 29.587 ms
Loss rate: 0.09%
```

Run 10: Report of Copa — Data Link

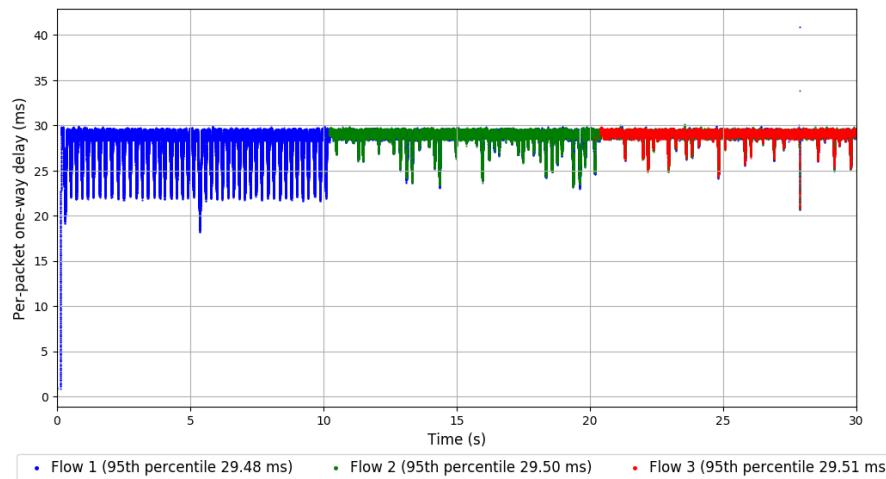
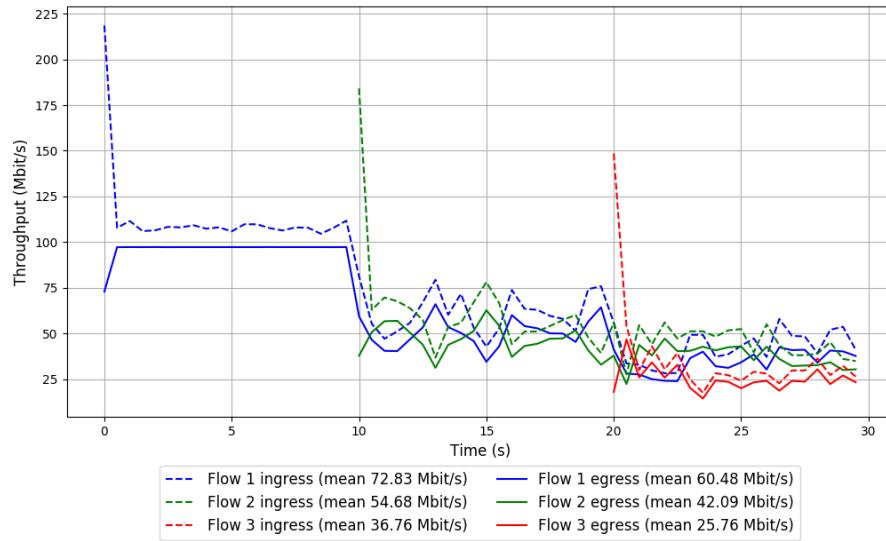


```
Run 1: Statistics of FillP

Start at: 2018-03-13 17:39:32
End at: 2018-03-13 17:40:02
Local clock offset: -5.558 ms
Remote clock offset: -7.178 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.491 ms
Loss rate: 20.14%
-- Flow 1:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: 29.479 ms
Loss rate: 16.88%
-- Flow 2:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 29.505 ms
Loss rate: 23.03%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 29.507 ms
Loss rate: 30.98%
```

Run 1: Report of FillP — Data Link

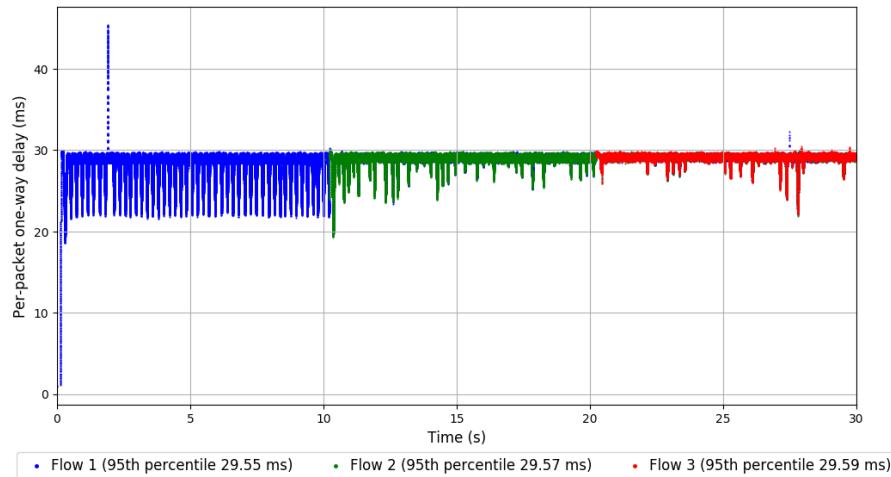
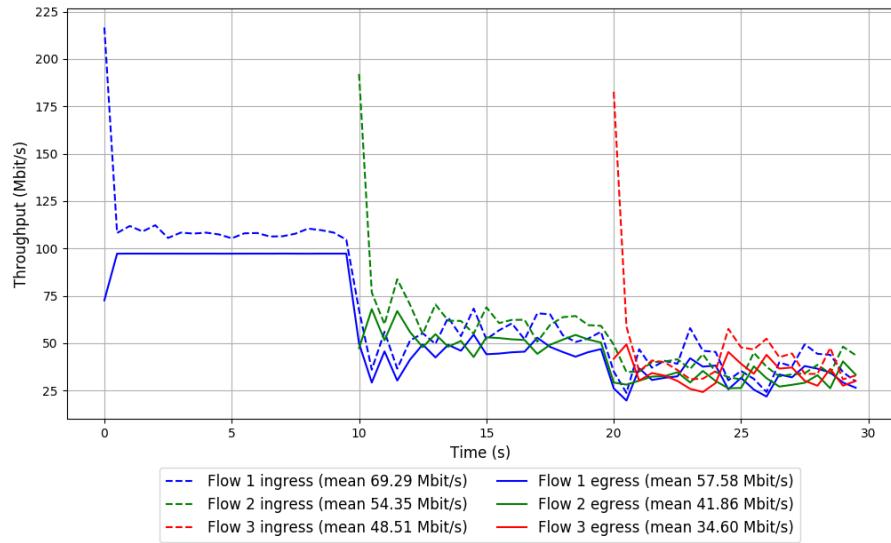


Run 2: Statistics of FillP

```
Start at: 2018-03-13 17:59:59
End at: 2018-03-13 18:00:29
Local clock offset: -7.503 ms
Remote clock offset: -7.516 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 29.561 ms
Loss rate: 20.21%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 29.547 ms
Loss rate: 16.81%
-- Flow 2:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 29.569 ms
Loss rate: 22.98%
-- Flow 3:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 29.593 ms
Loss rate: 28.68%
```

Run 2: Report of FillP — Data Link

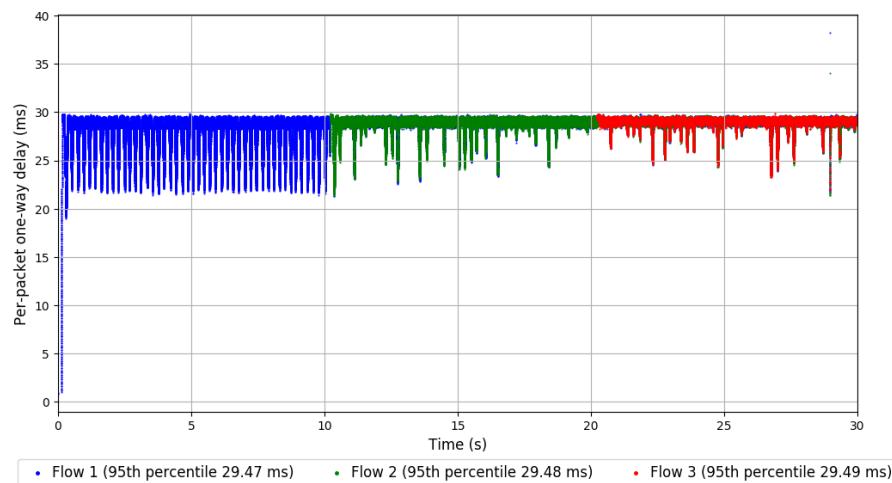
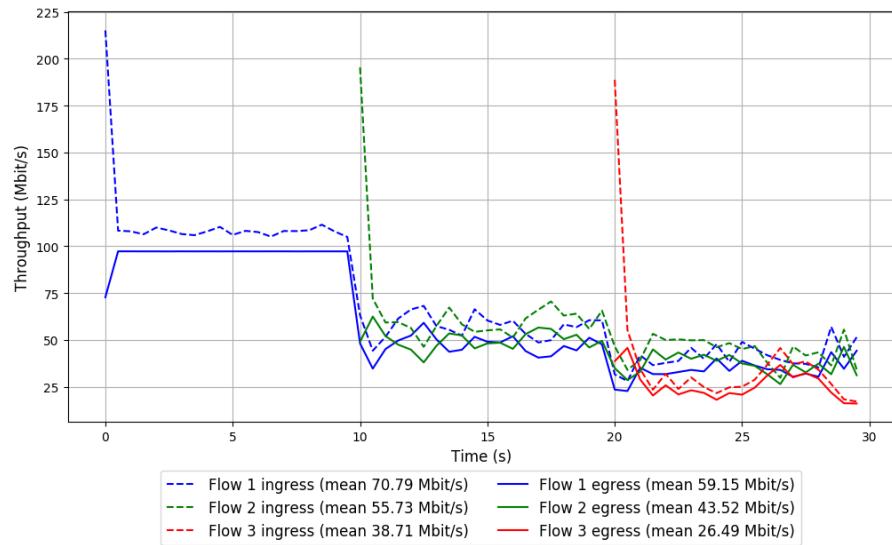


Run 3: Statistics of FillP

```
Start at: 2018-03-13 18:20:27
End at: 2018-03-13 18:20:57
Local clock offset: -6.814 ms
Remote clock offset: -7.398 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.477 ms
Loss rate: 19.67%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 29.470 ms
Loss rate: 16.36%
-- Flow 2:
Average throughput: 43.52 Mbit/s
95th percentile per-packet one-way delay: 29.484 ms
Loss rate: 21.88%
-- Flow 3:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 29.494 ms
Loss rate: 31.58%
```

Run 3: Report of FillP — Data Link

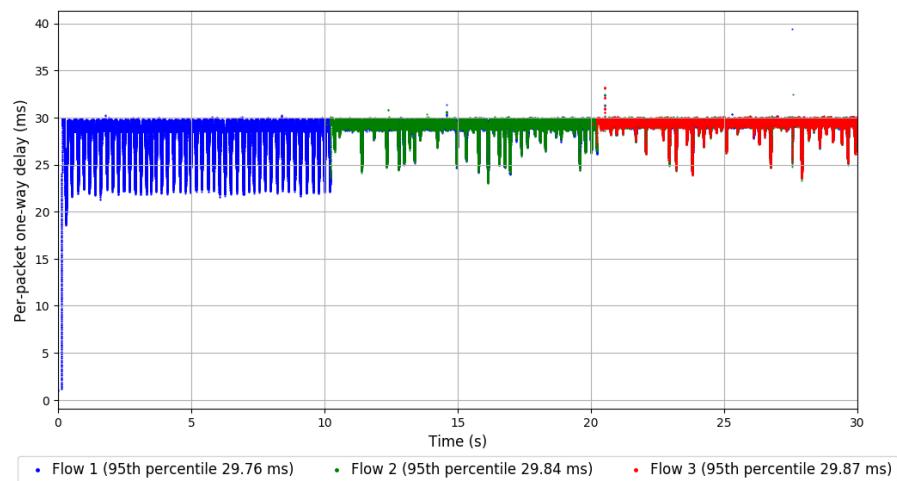
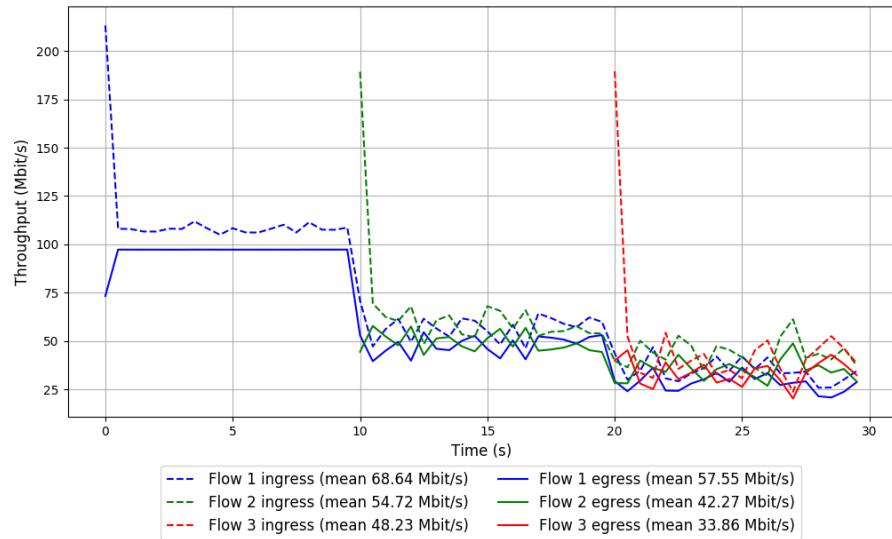


Run 4: Statistics of FillP

```
Start at: 2018-03-13 18:41:00
End at: 2018-03-13 18:41:30
Local clock offset: -6.322 ms
Remote clock offset: -6.437 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.813 ms
Loss rate: 19.89%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 29.762 ms
Loss rate: 16.07%
-- Flow 2:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 29.842 ms
Loss rate: 22.75%
-- Flow 3:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 29.874 ms
Loss rate: 29.78%
```

Run 4: Report of FillP — Data Link

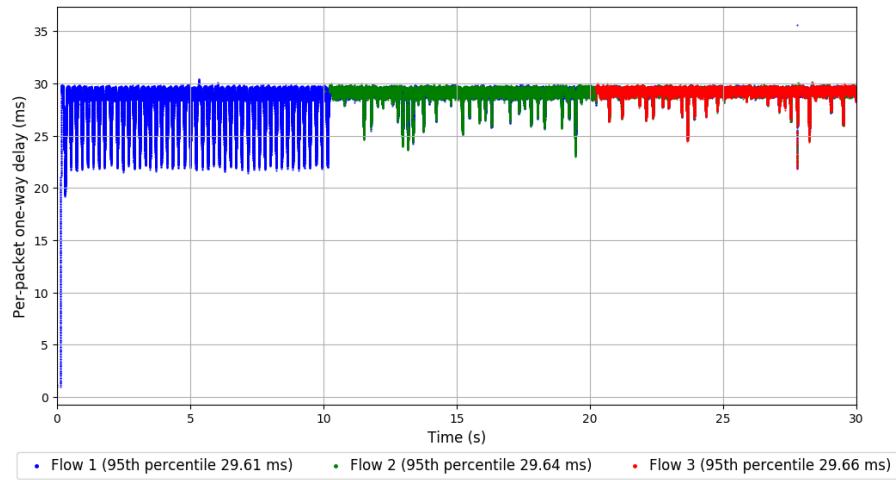
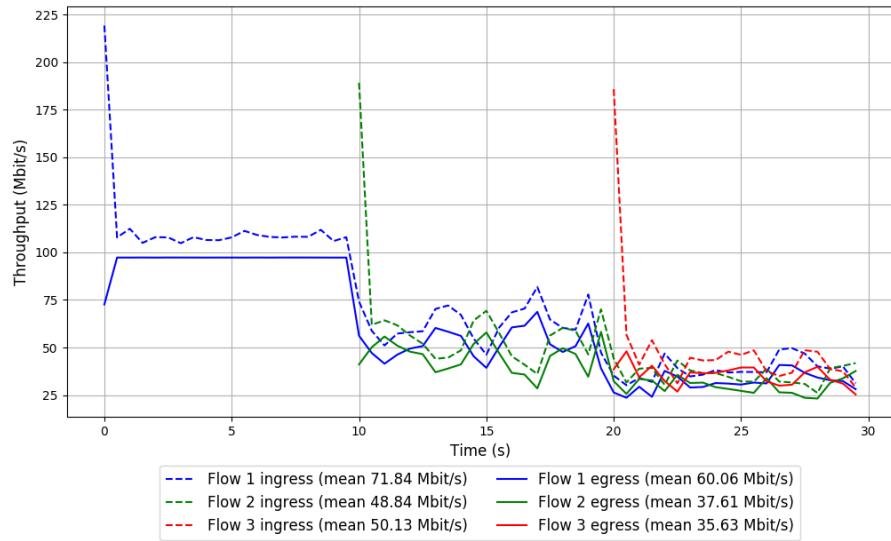


Run 5: Statistics of FillP

```
Start at: 2018-03-13 19:01:25
End at: 2018-03-13 19:01:55
Local clock offset: -2.715 ms
Remote clock offset: -6.454 ms

# Below is generated by plot.py at 2018-03-13 21:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.628 ms
Loss rate: 19.84%
-- Flow 1:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 29.609 ms
Loss rate: 16.31%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 29.644 ms
Loss rate: 23.00%
-- Flow 3:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 29.664 ms
Loss rate: 28.92%
```

Run 5: Report of FillP — Data Link

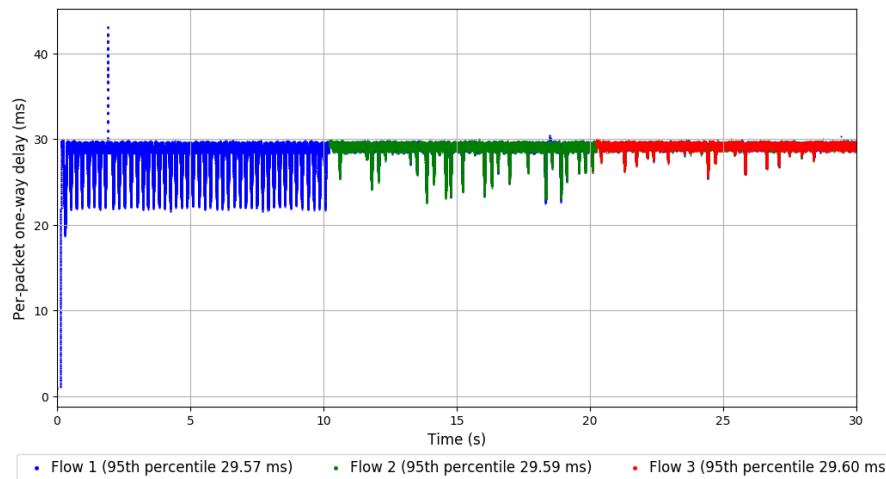
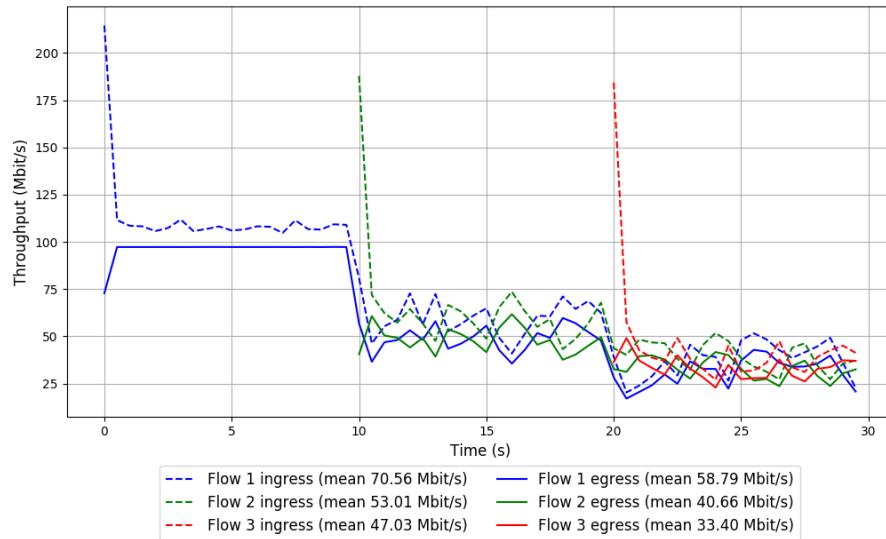


Run 6: Statistics of FillP

```
Start at: 2018-03-13 19:21:53
End at: 2018-03-13 19:22:23
Local clock offset: -2.674 ms
Remote clock offset: -6.526 ms

# Below is generated by plot.py at 2018-03-13 21:39:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.579 ms
Loss rate: 20.13%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 29.565 ms
Loss rate: 16.60%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 29.593 ms
Loss rate: 23.29%
-- Flow 3:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 29.604 ms
Loss rate: 28.97%
```

Run 6: Report of FillP — Data Link

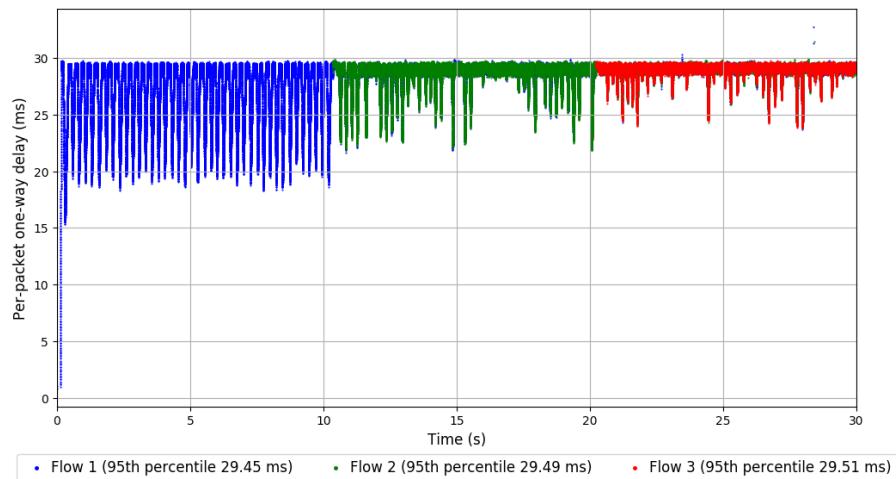
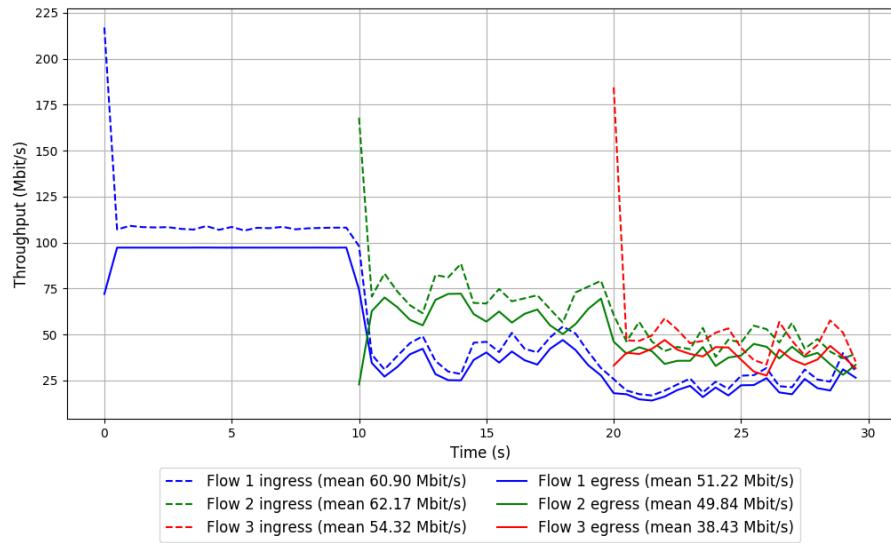


Run 7: Statistics of FillP

```
Start at: 2018-03-13 19:42:20
End at: 2018-03-13 19:42:50
Local clock offset: -2.69 ms
Remote clock offset: -6.451 ms

# Below is generated by plot.py at 2018-03-13 21:39:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 29.480 ms
Loss rate: 19.40%
-- Flow 1:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 29.455 ms
Loss rate: 15.81%
-- Flow 2:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 29.494 ms
Loss rate: 20.41%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 29.507 ms
Loss rate: 29.22%
```

Run 7: Report of FillP — Data Link

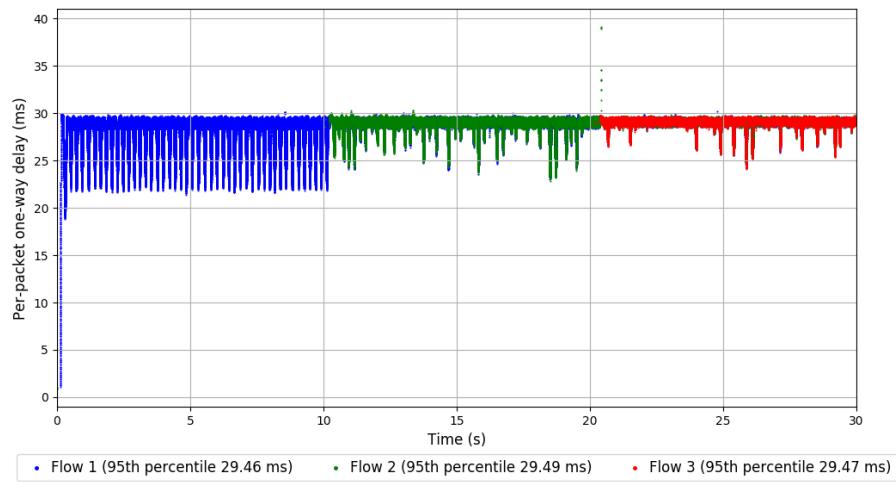
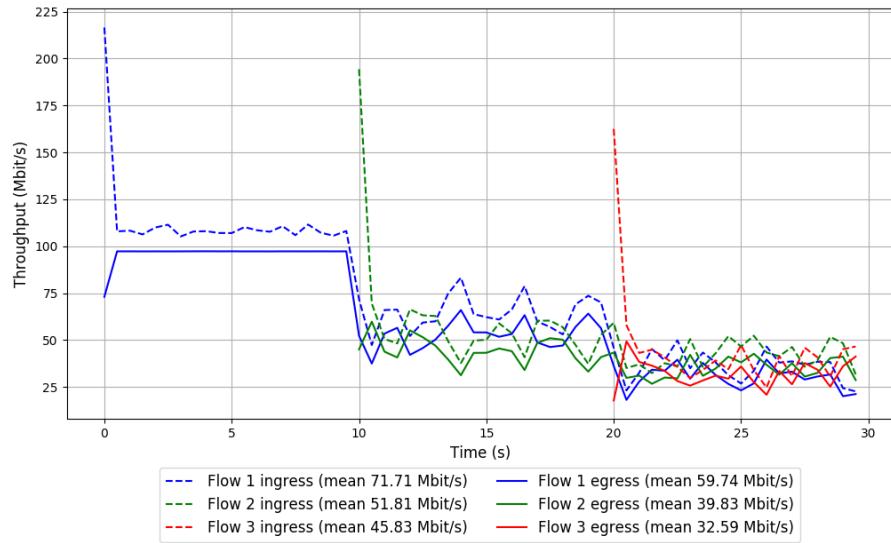


Run 8: Statistics of FillP

```
Start at: 2018-03-13 20:02:49
End at: 2018-03-13 20:03:19
Local clock offset: -5.989 ms
Remote clock offset: -6.414 ms

# Below is generated by plot.py at 2018-03-13 21:40:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 29.473 ms
Loss rate: 20.13%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 29.464 ms
Loss rate: 16.61%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 29.490 ms
Loss rate: 23.13%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 29.474 ms
Loss rate: 29.97%
```

Run 8: Report of FillP — Data Link

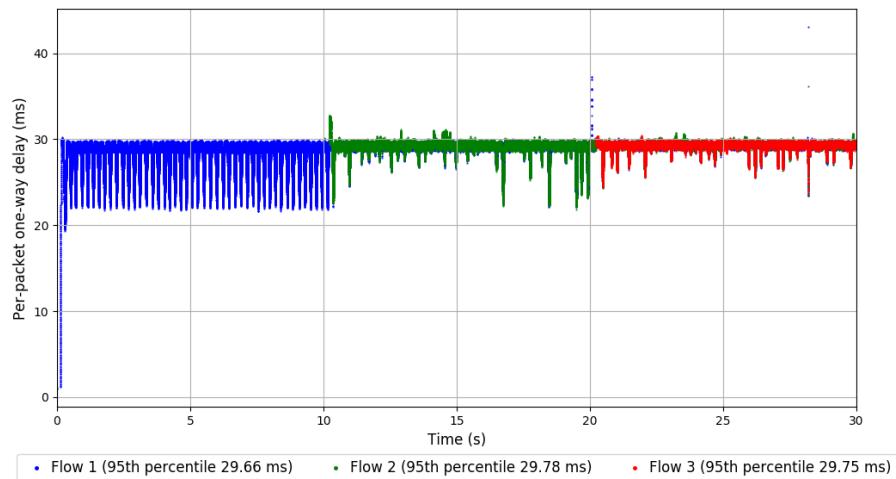
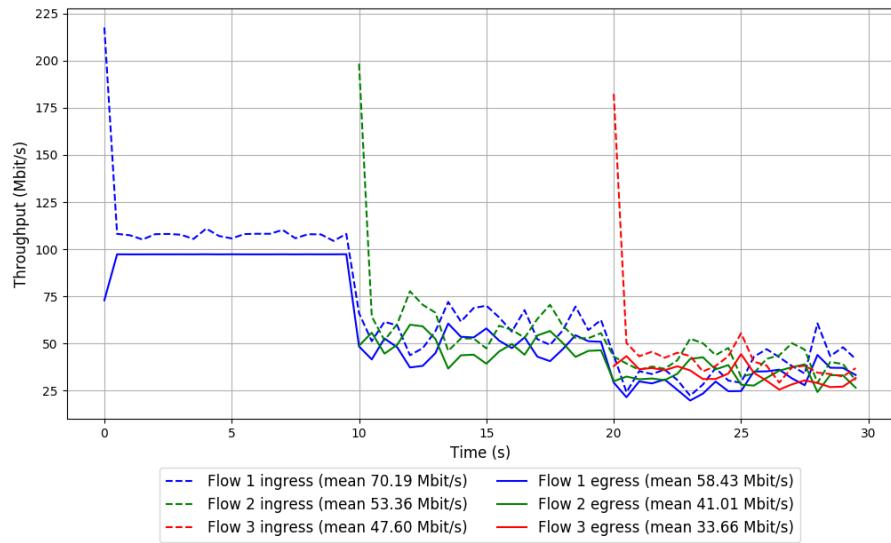


Run 9: Statistics of FillP

```
Start at: 2018-03-13 20:23:16
End at: 2018-03-13 20:23:46
Local clock offset: -7.294 ms
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2018-03-13 21:40:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.712 ms
Loss rate: 20.21%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 29.661 ms
Loss rate: 16.68%
-- Flow 2:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 29.784 ms
Loss rate: 23.15%
-- Flow 3:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 29.749 ms
Loss rate: 29.28%
```

Run 9: Report of FillP — Data Link

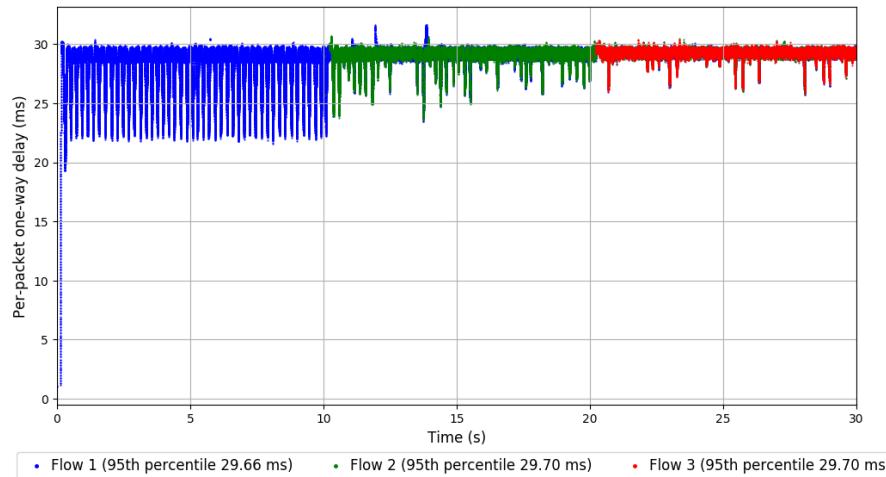
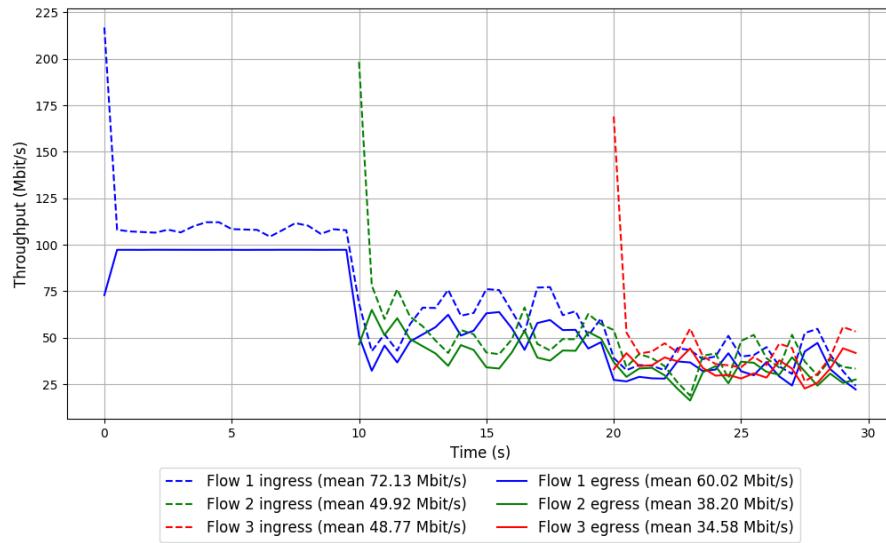


Run 10: Statistics of FillP

```
Start at: 2018-03-13 20:43:43
End at: 2018-03-13 20:44:13
Local clock offset: -6.675 ms
Remote clock offset: -6.68 ms

# Below is generated by plot.py at 2018-03-13 21:40:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 29.678 ms
Loss rate: 20.21%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 29.664 ms
Loss rate: 16.71%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 29.695 ms
Loss rate: 23.48%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 29.703 ms
Loss rate: 29.08%
```

Run 10: Report of FillP — Data Link

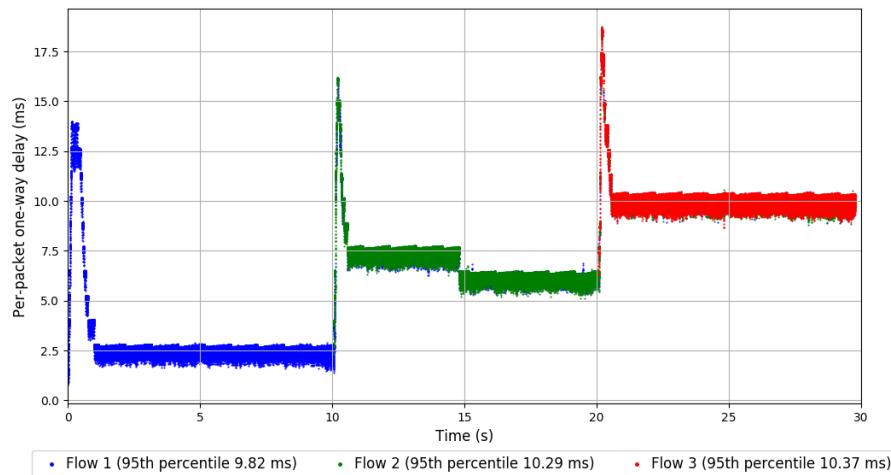
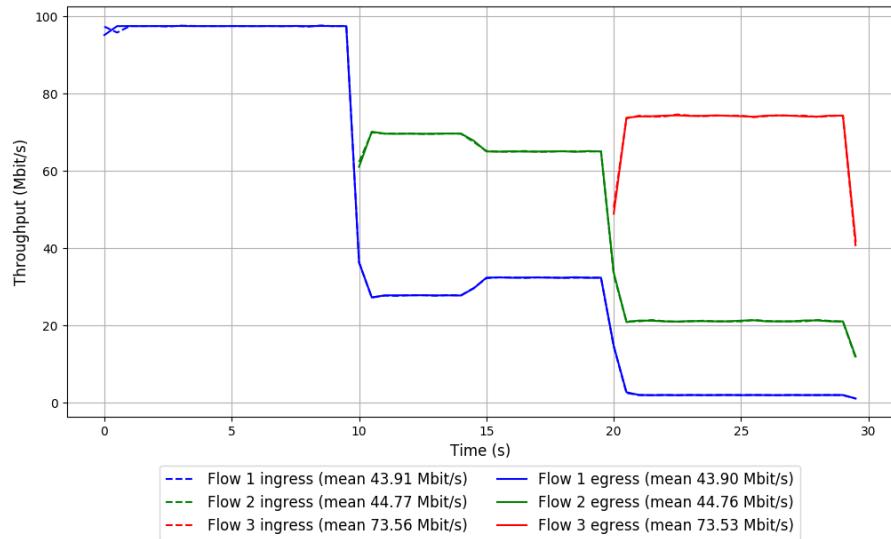


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-03-13 17:33:51
End at: 2018-03-13 17:34:21
Local clock offset: -4.395 ms
Remote clock offset: -7.074 ms

# Below is generated by plot.py at 2018-03-13 21:40:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 10.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 9.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 10.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 10.374 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-1-32 — Data Link

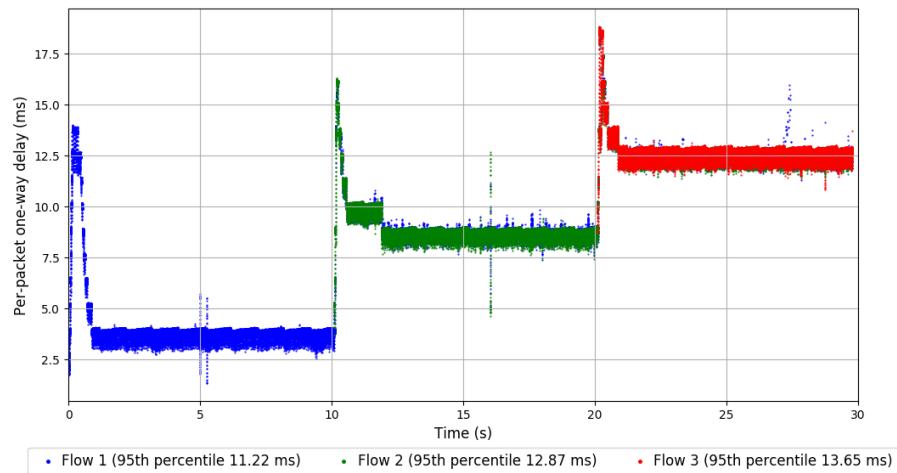
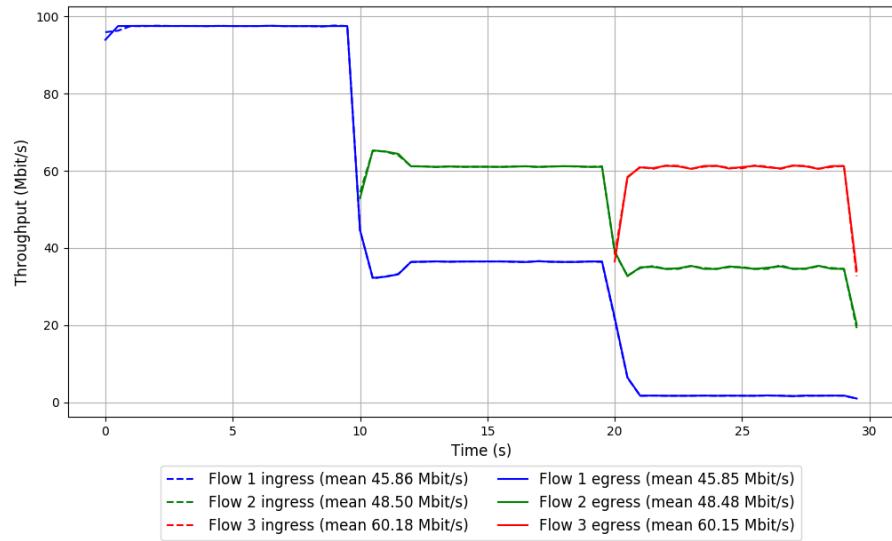


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-03-13 17:54:18
End at: 2018-03-13 17:54:48
Local clock offset: -7.036 ms
Remote clock offset: -7.474 ms

# Below is generated by plot.py at 2018-03-13 21:40:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 12.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 12.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 13.649 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-1-32 — Data Link

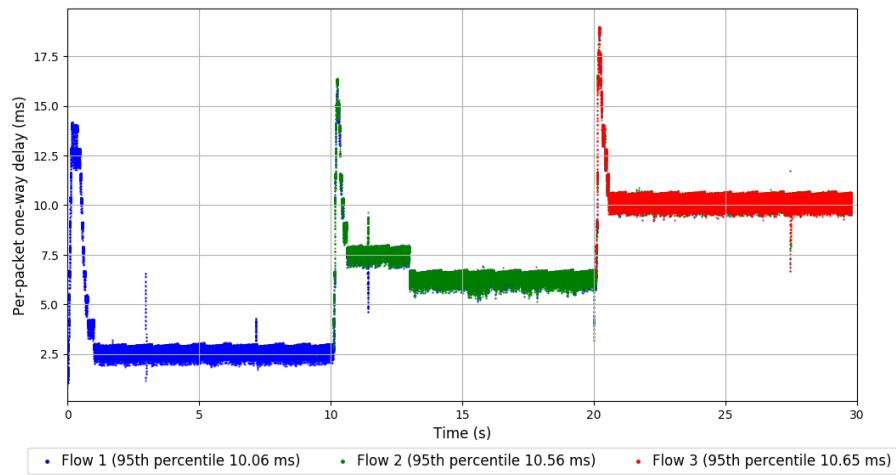
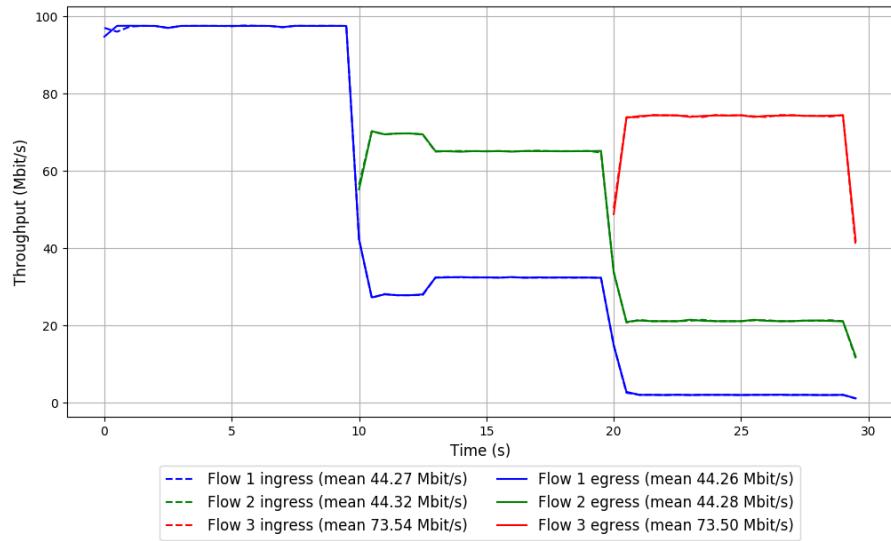


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-03-13 18:14:45
End at: 2018-03-13 18:15:15
Local clock offset: -6.964 ms
Remote clock offset: -7.715 ms

# Below is generated by plot.py at 2018-03-13 21:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.606 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 10.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 10.565 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 73.50 Mbit/s
95th percentile per-packet one-way delay: 10.650 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-1-32 — Data Link

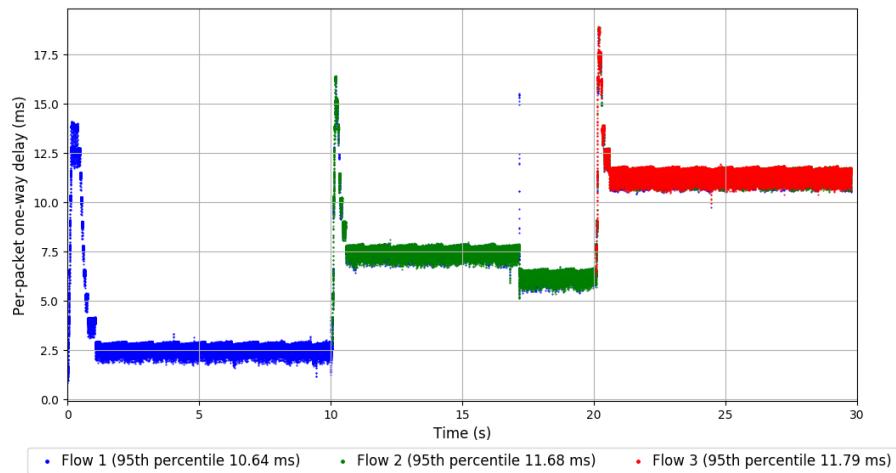
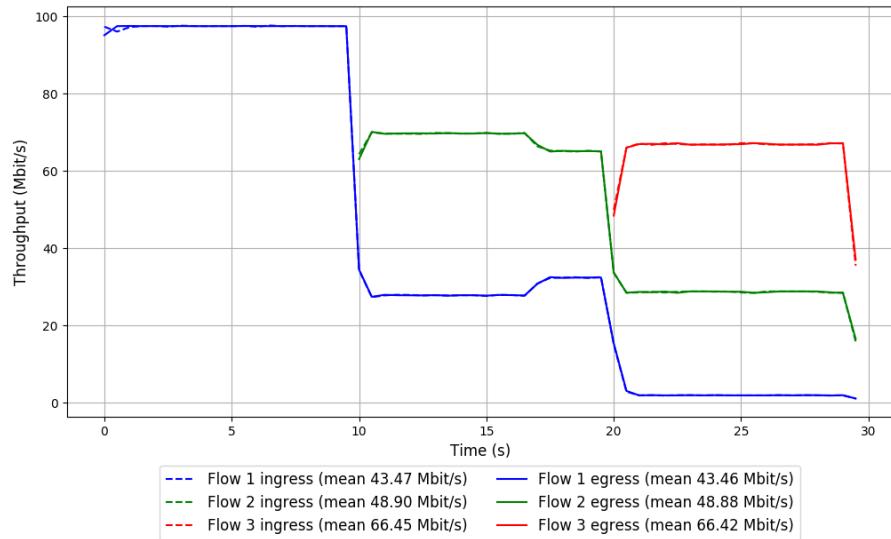


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-03-13 18:35:19
End at: 2018-03-13 18:35:49
Local clock offset: -7.001 ms
Remote clock offset: -6.531 ms

# Below is generated by plot.py at 2018-03-13 21:41:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 11.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 10.643 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 11.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.42 Mbit/s
95th percentile per-packet one-way delay: 11.789 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-1-32 — Data Link

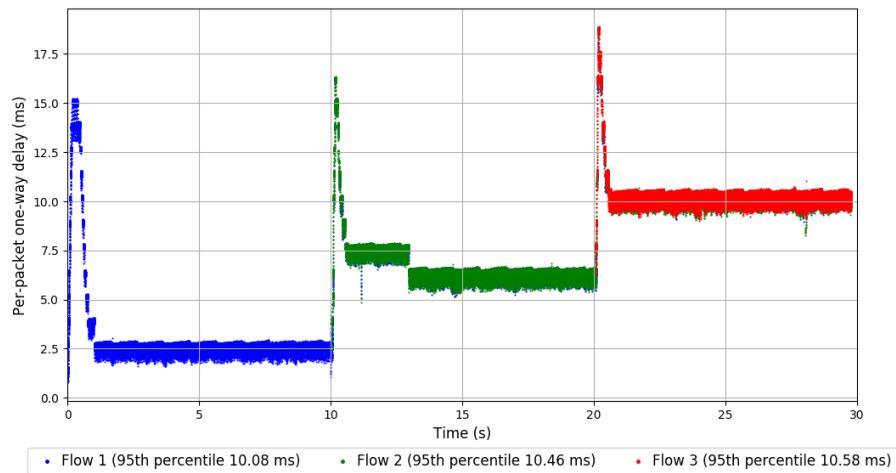
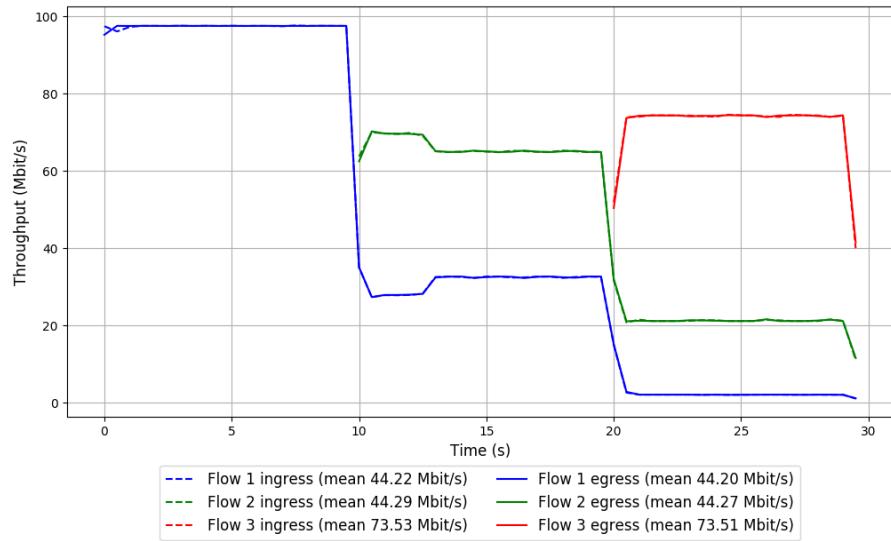


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-03-13 18:55:46
End at: 2018-03-13 18:56:16
Local clock offset: -3.072 ms
Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-03-13 21:41:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 10.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 10.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 10.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 10.576 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-1-32 — Data Link

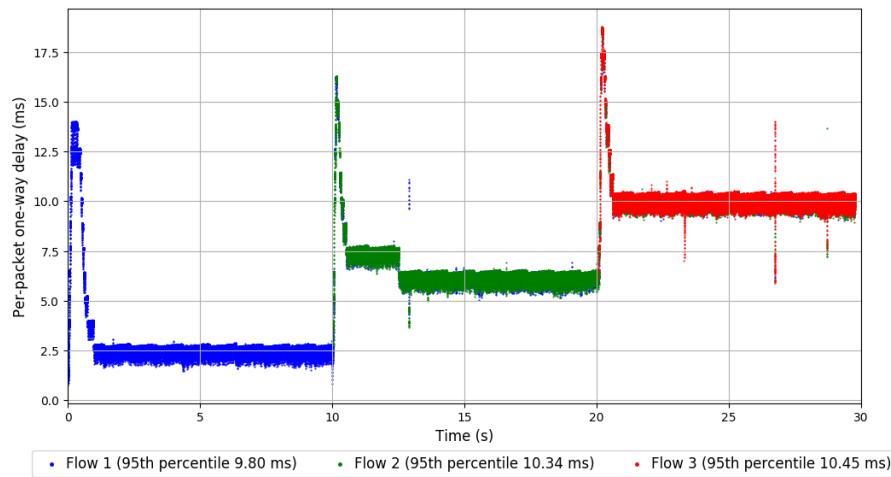
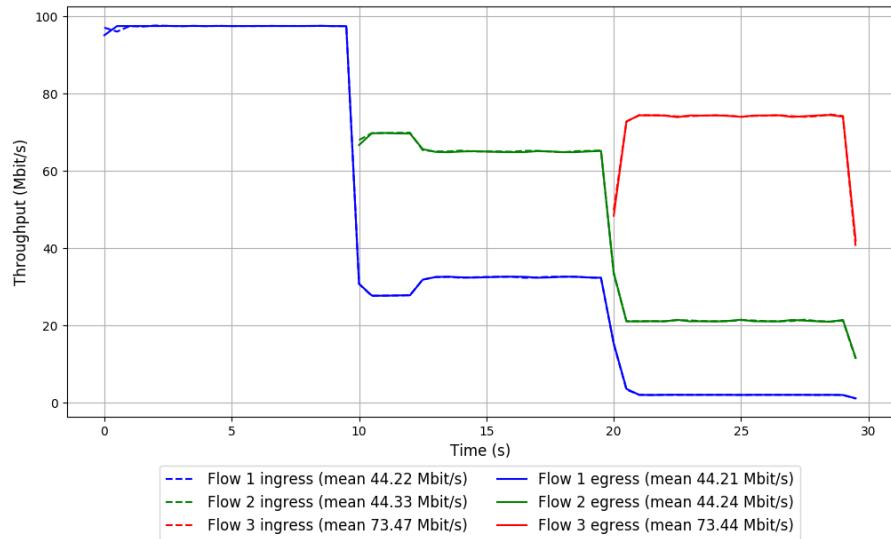


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-03-13 19:16:11
End at: 2018-03-13 19:16:41
Local clock offset: -2.356 ms
Remote clock offset: -6.616 ms

# Below is generated by plot.py at 2018-03-13 21:41:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.403 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 9.803 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 10.340 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 10.452 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-1-32 — Data Link

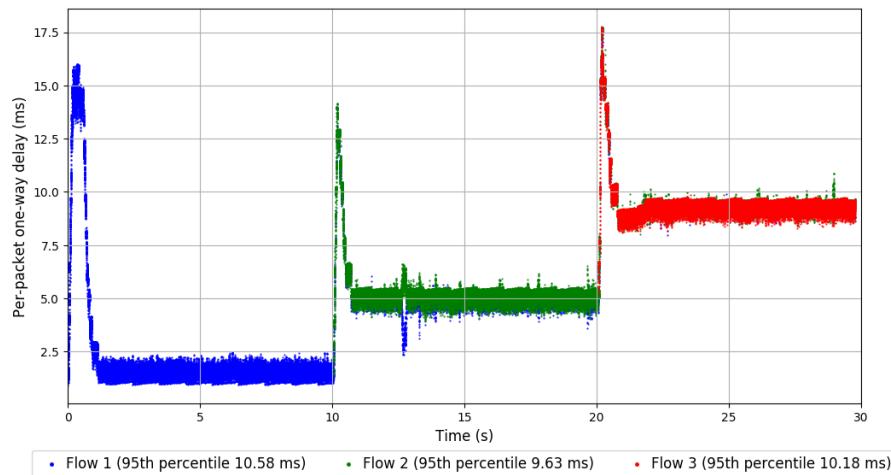
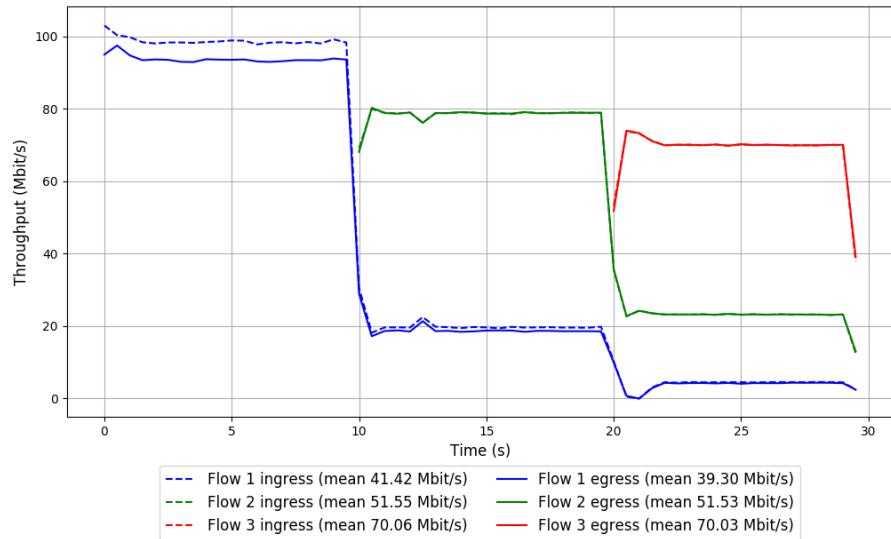


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-03-13 19:36:38
End at: 2018-03-13 19:37:08
Local clock offset: -2.861 ms
Remote clock offset: -6.44 ms

# Below is generated by plot.py at 2018-03-13 21:41:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.733 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 10.576 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 9.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 10.176 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-1-32 — Data Link

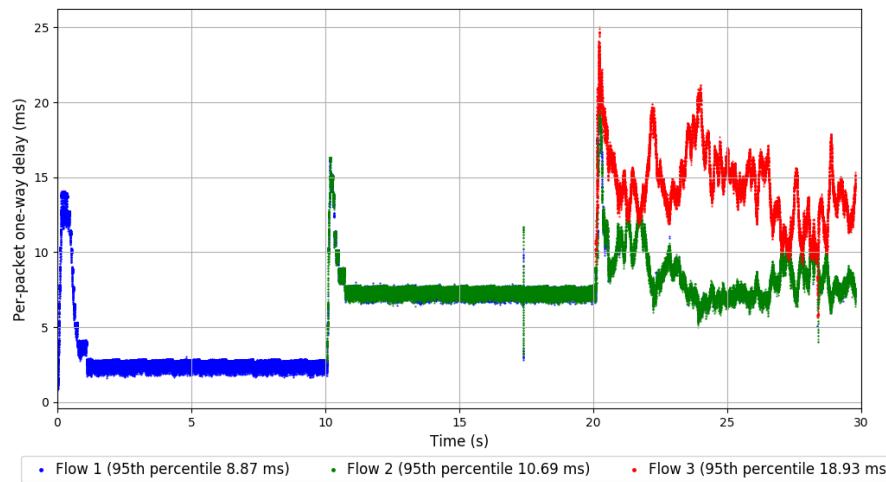
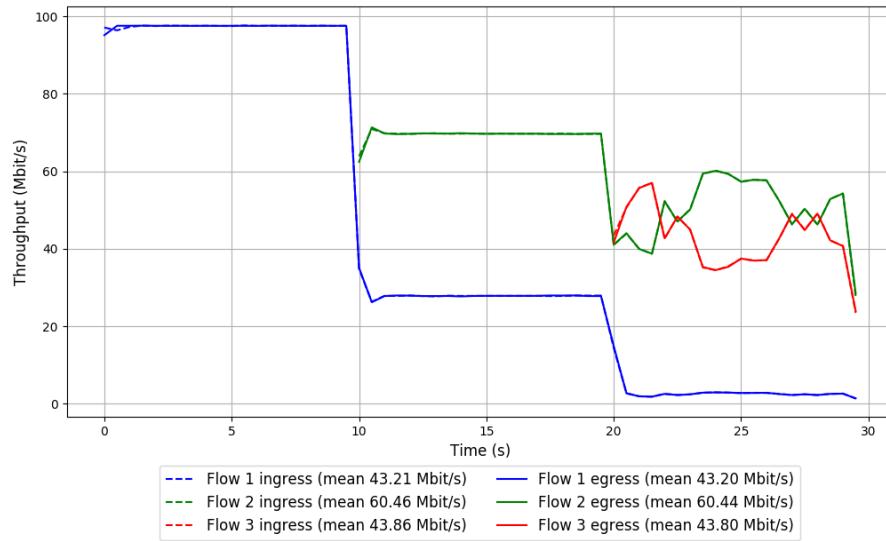


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-03-13 19:57:07
End at: 2018-03-13 19:57:37
Local clock offset: -5.236 ms
Remote clock offset: -6.331 ms

# Below is generated by plot.py at 2018-03-13 21:41:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 15.280 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 8.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 10.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.15%
```

Run 8: Report of Indigo-1-32 — Data Link

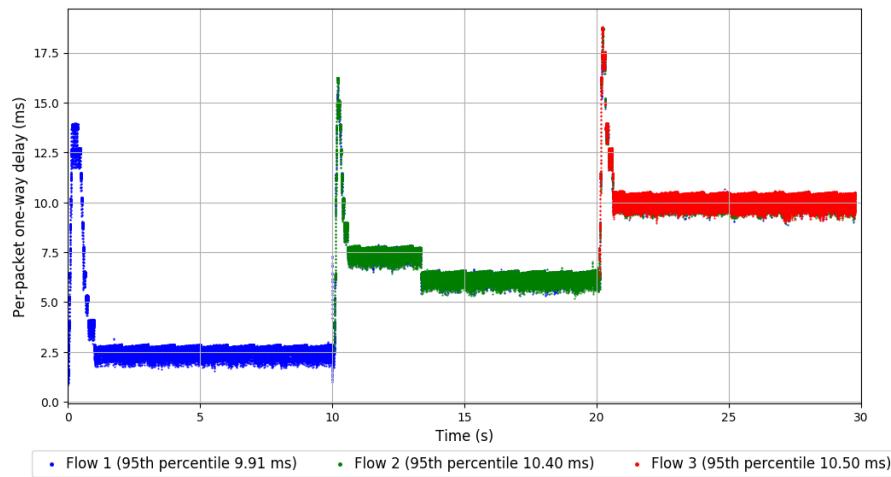
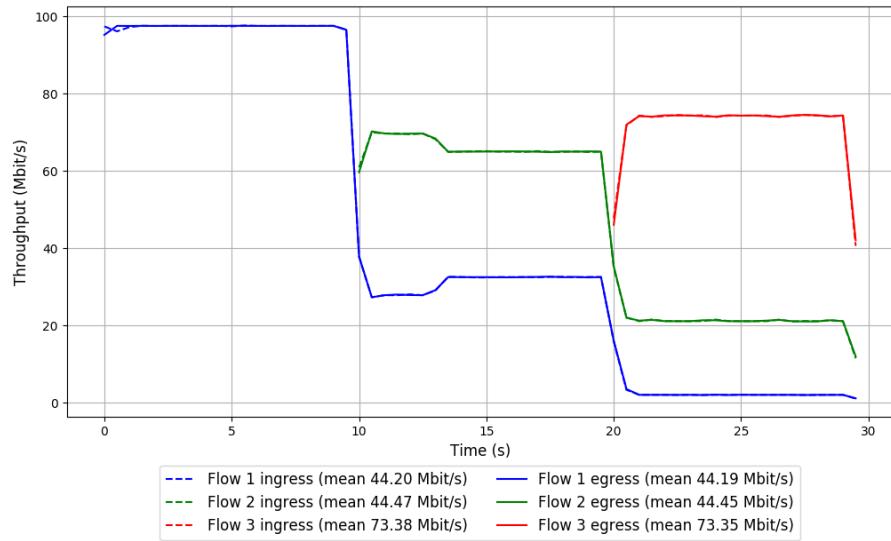


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-03-13 20:17:34
End at: 2018-03-13 20:18:04
Local clock offset: -7.217 ms
Remote clock offset: -6.644 ms

# Below is generated by plot.py at 2018-03-13 21:41:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 9.907 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 10.399 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.35 Mbit/s
95th percentile per-packet one-way delay: 10.502 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-1-32 — Data Link

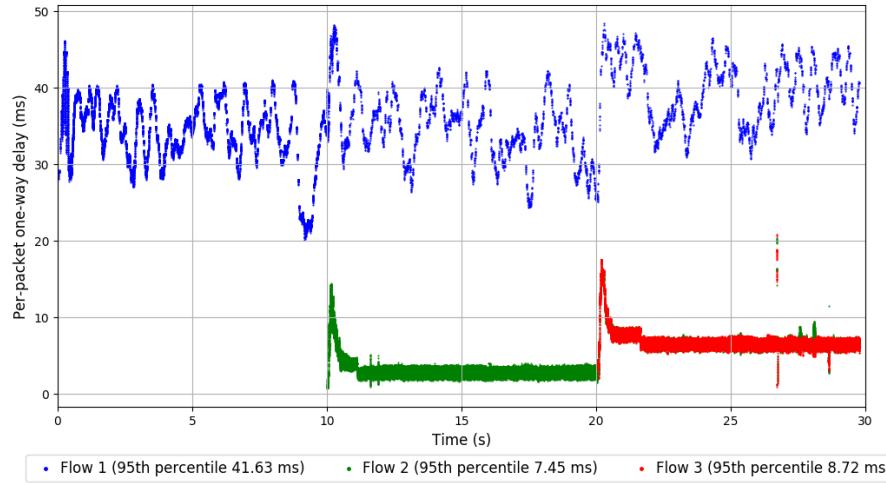
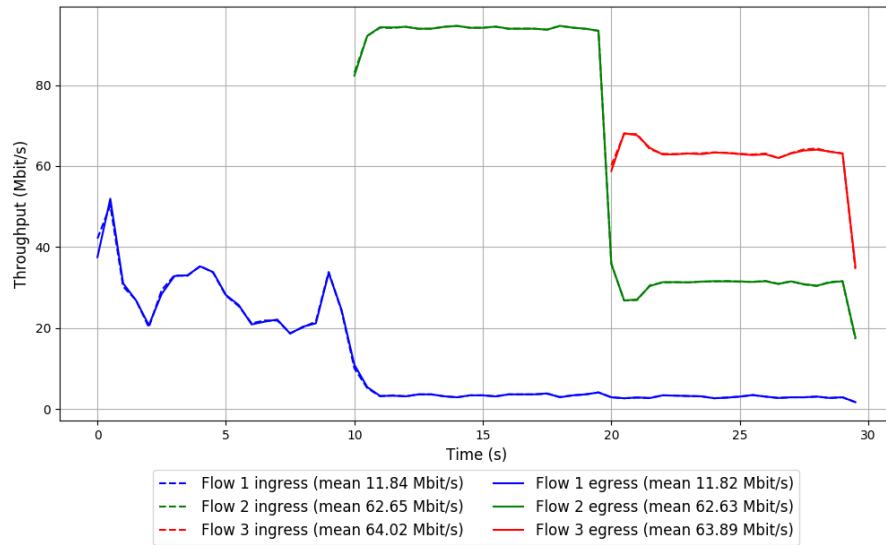


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-03-13 20:38:03
End at: 2018-03-13 20:38:33
Local clock offset: -6.499 ms
Remote clock offset: -6.683 ms

# Below is generated by plot.py at 2018-03-13 21:41:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 36.839 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 41.628 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 7.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 8.719 ms
Loss rate: 0.18%
```

Run 10: Report of Indigo-1-32 — Data Link

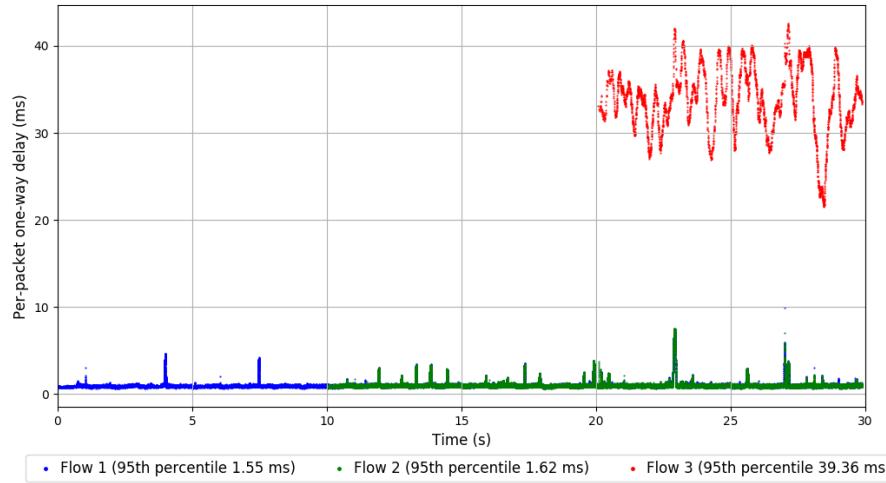
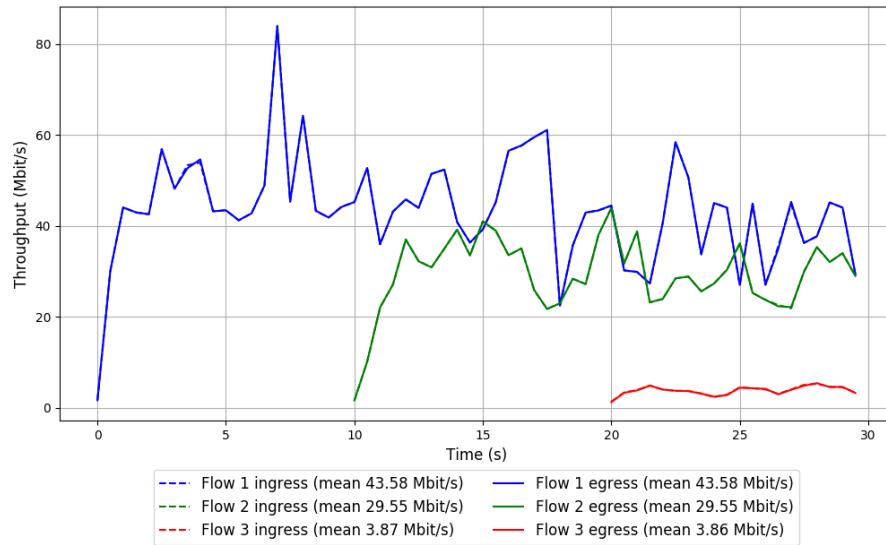


Run 1: Statistics of Vivace-latency

```
Start at: 2018-03-13 17:42:58
End at: 2018-03-13 17:43:28
Local clock offset: -5.952 ms
Remote clock offset: -7.248 ms

# Below is generated by plot.py at 2018-03-13 21:41:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 2.323 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 1.554 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 1.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 39.362 ms
Loss rate: 0.75%
```

Run 1: Report of Vivace-latency — Data Link

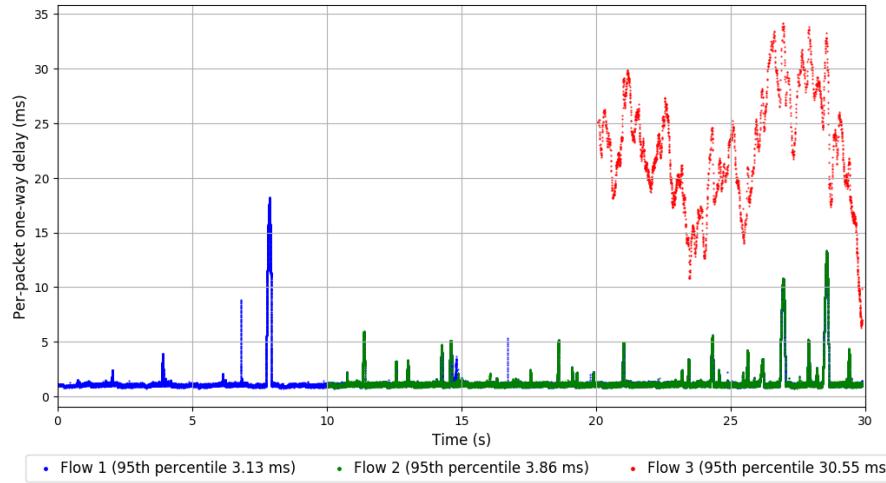
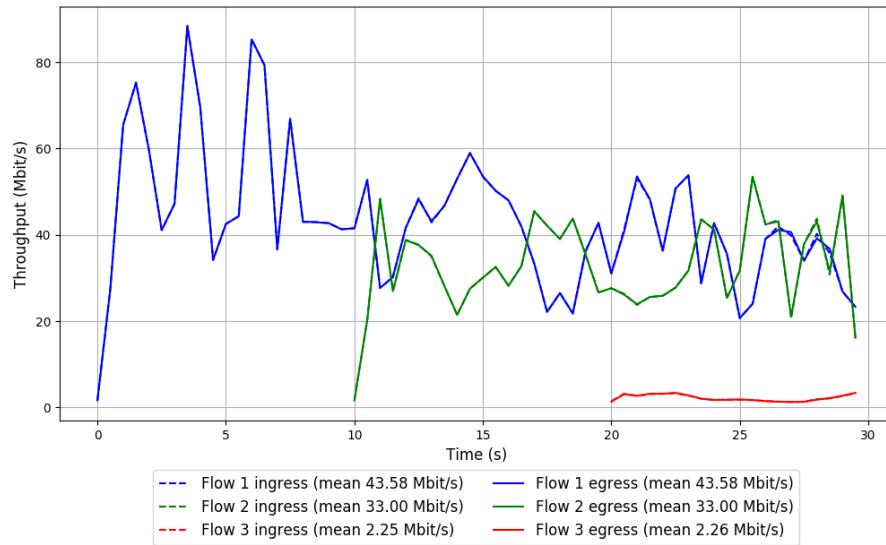


Run 2: Statistics of Vivace-latency

```
Start at: 2018-03-13 18:03:25
End at: 2018-03-13 18:03:55
Local clock offset: -7.73 ms
Remote clock offset: -7.544 ms

# Below is generated by plot.py at 2018-03-13 21:42:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 4.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 3.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 3.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.554 ms
Loss rate: 0.10%
```

Run 2: Report of Vivace-latency — Data Link

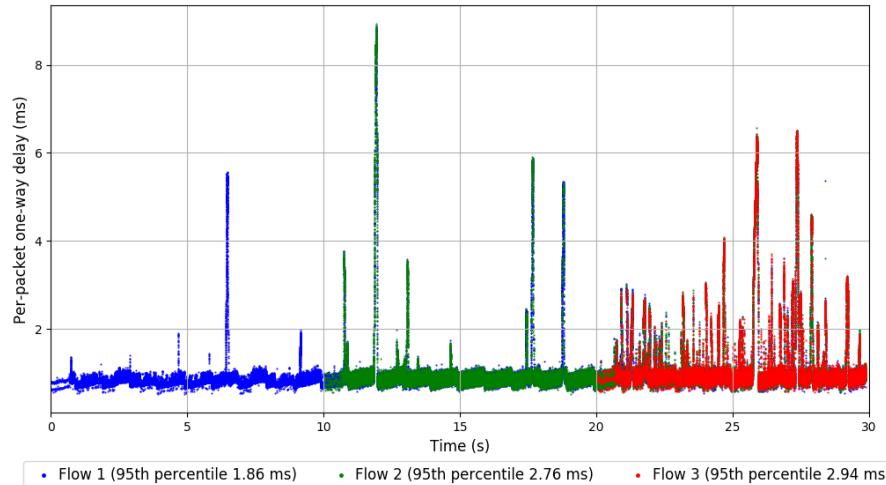
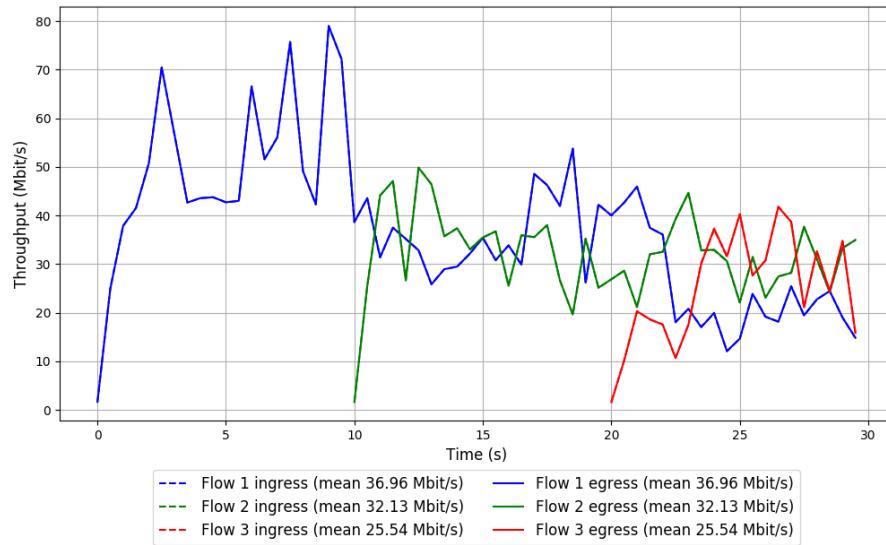


Run 3: Statistics of Vivace-latency

```
Start at: 2018-03-13 18:23:53
End at: 2018-03-13 18:24:23
Local clock offset: -6.733 ms
Remote clock offset: -7.111 ms

# Below is generated by plot.py at 2018-03-13 21:42:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.75 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 1.861 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 2.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 2.940 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

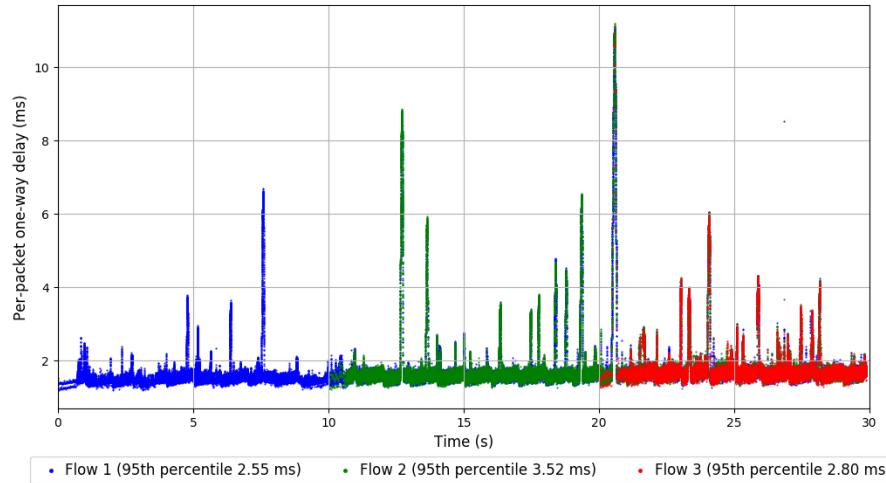
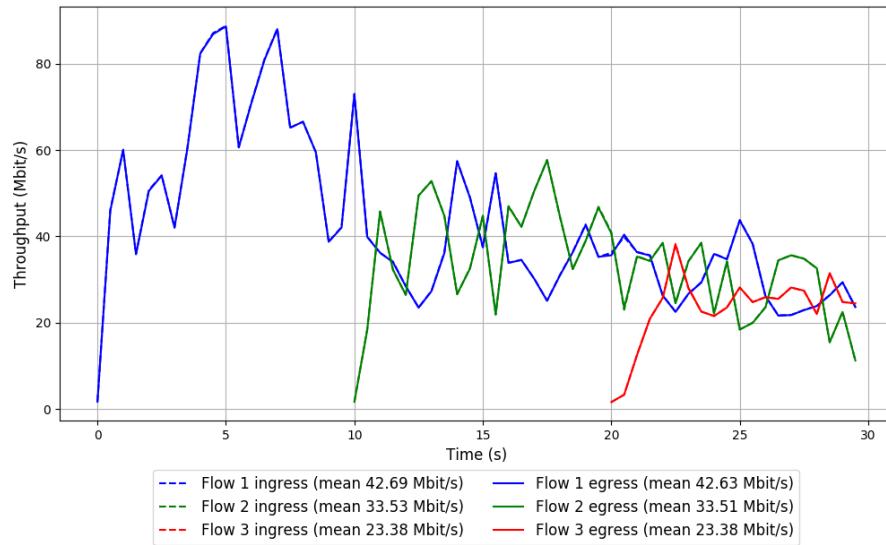


Run 4: Statistics of Vivace-latency

```
Start at: 2018-03-13 18:44:26
End at: 2018-03-13 18:44:56
Local clock offset: -5.457 ms
Remote clock offset: -6.413 ms

# Below is generated by plot.py at 2018-03-13 21:42:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.61 Mbit/s
95th percentile per-packet one-way delay: 2.926 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 3.525 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

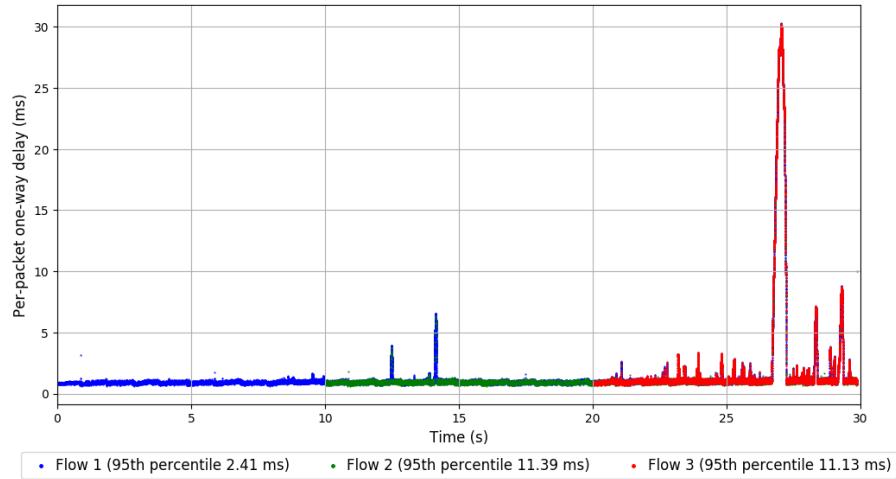
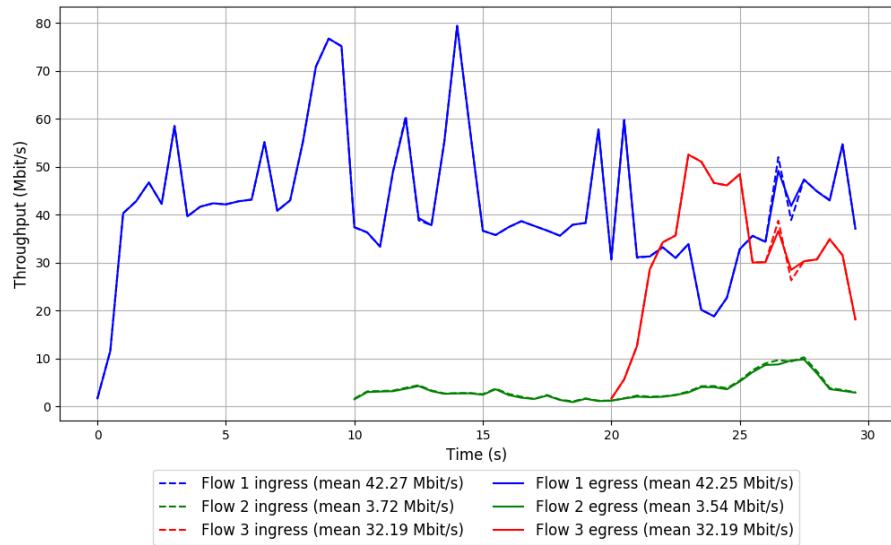


Run 5: Statistics of Vivace-latency

```
Start at: 2018-03-13 19:04:51
End at: 2018-03-13 19:05:21
Local clock offset: -2.439 ms
Remote clock offset: -6.516 ms

# Below is generated by plot.py at 2018-03-13 21:42:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 3.397 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 11.393 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 11.132 ms
Loss rate: 0.01%
```

Run 5: Report of Vivace-latency — Data Link

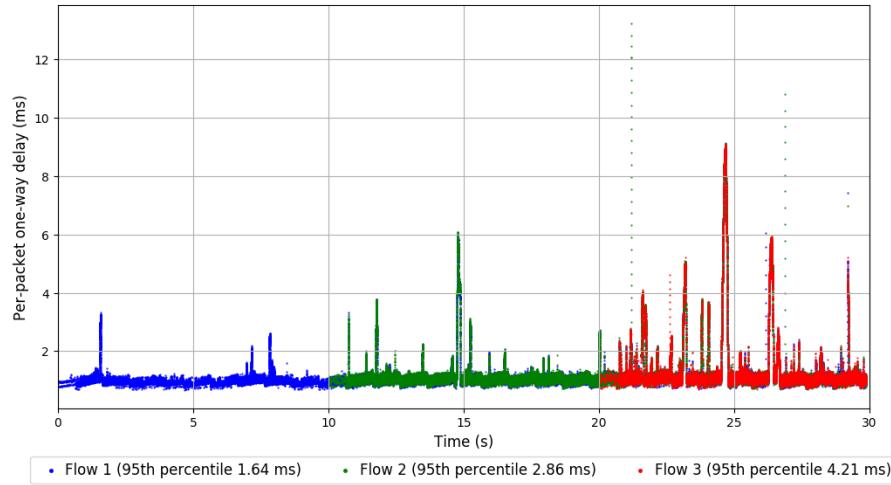
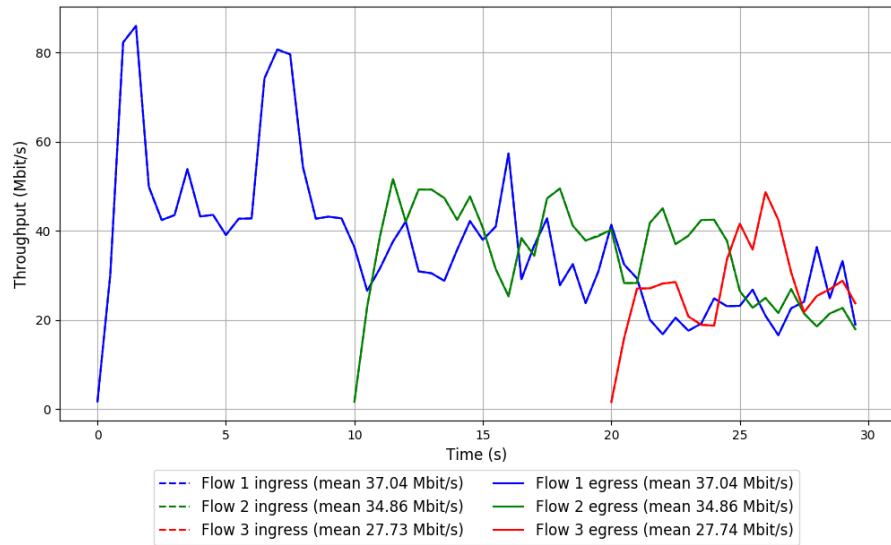


Run 6: Statistics of Vivace-latency

```
Start at: 2018-03-13 19:25:19
End at: 2018-03-13 19:25:49
Local clock offset: -2.766 ms
Remote clock offset: -6.583 ms

# Below is generated by plot.py at 2018-03-13 21:42:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.36 Mbit/s
95th percentile per-packet one-way delay: 2.356 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 1.636 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 4.212 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link

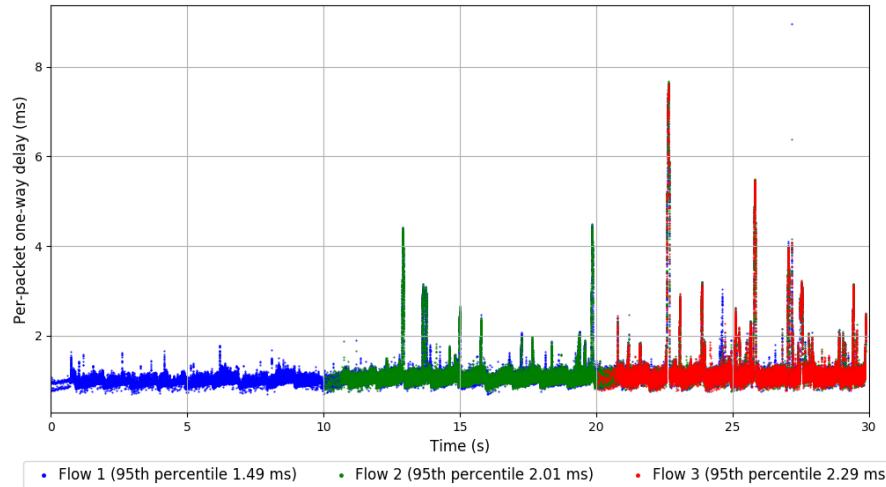
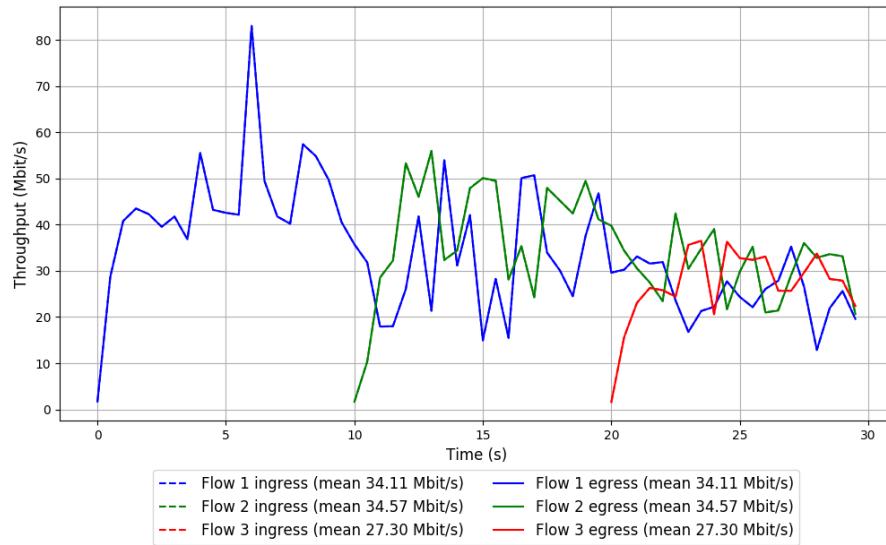


Run 7: Statistics of Vivace-latency

```
Start at: 2018-03-13 19:45:46
End at: 2018-03-13 19:46:16
Local clock offset: -2.702 ms
Remote clock offset: -6.417 ms

# Below is generated by plot.py at 2018-03-13 21:42:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 1.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 1.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 2.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link

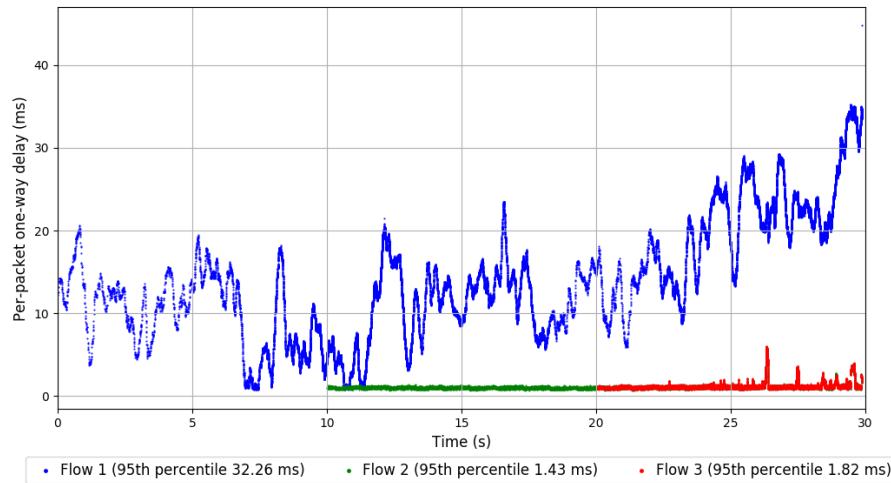
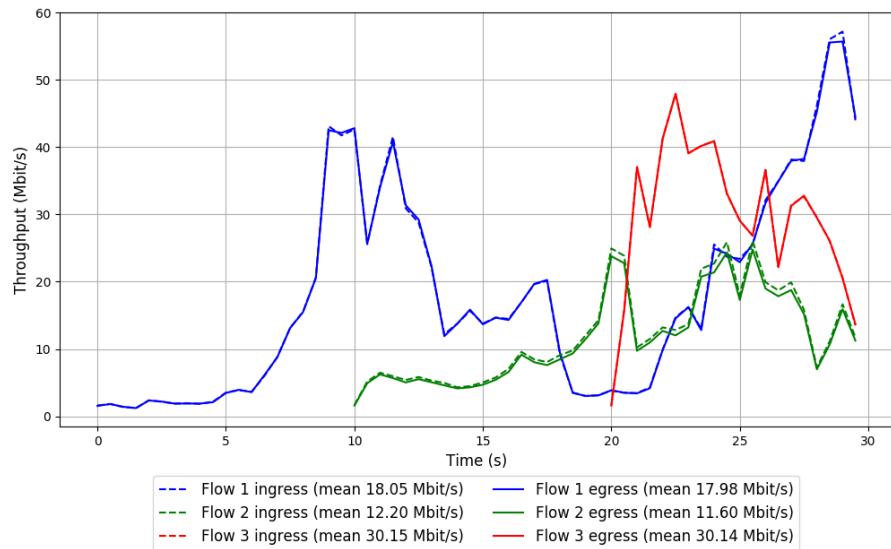


Run 8: Statistics of Vivace-latency

```
Start at: 2018-03-13 20:06:16
End at: 2018-03-13 20:06:46
Local clock offset: -6.372 ms
Remote clock offset: -6.511 ms

# Below is generated by plot.py at 2018-03-13 21:42:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 28.094 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 32.264 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 1.428 ms
Loss rate: 4.88%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 1.820 ms
Loss rate: 0.00%
```

Run 8: Report of Vivace-latency — Data Link

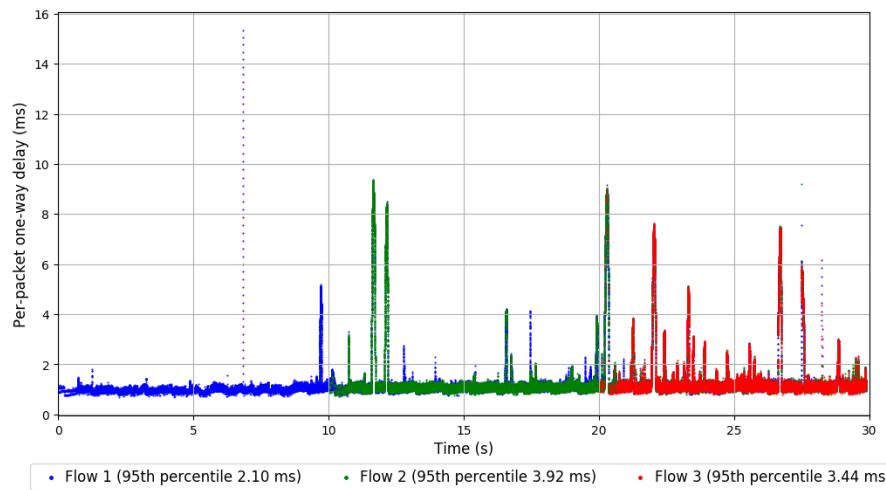
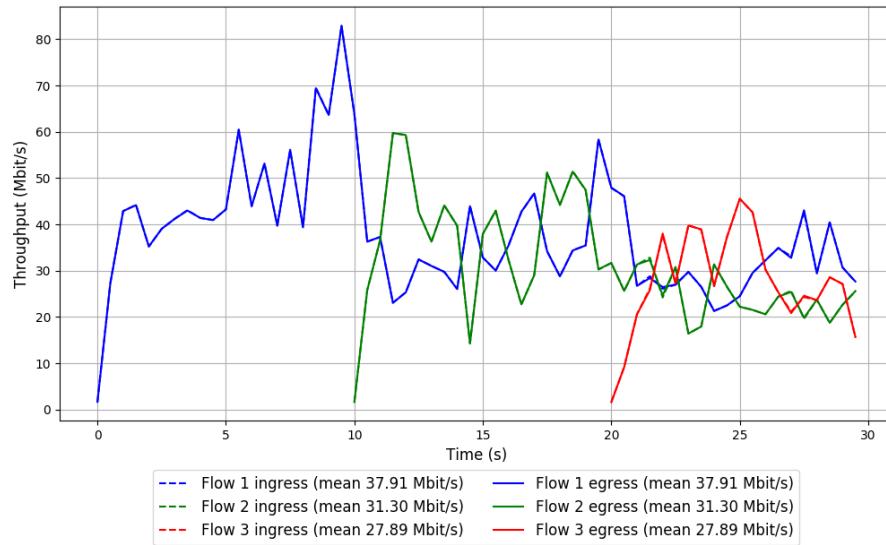


Run 9: Statistics of Vivace-latency

```
Start at: 2018-03-13 20:26:42
End at: 2018-03-13 20:27:12
Local clock offset: -6.905 ms
Remote clock offset: -6.748 ms

# Below is generated by plot.py at 2018-03-13 21:42:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 2.105 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 3.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 3.436 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-latency — Data Link

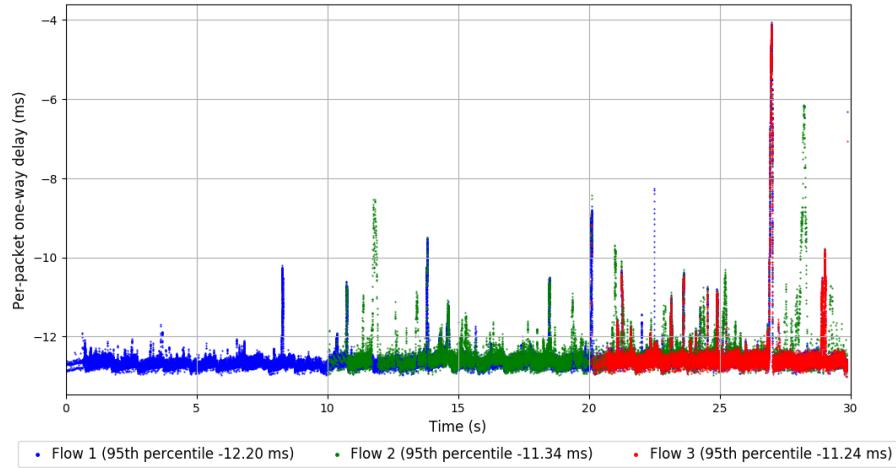
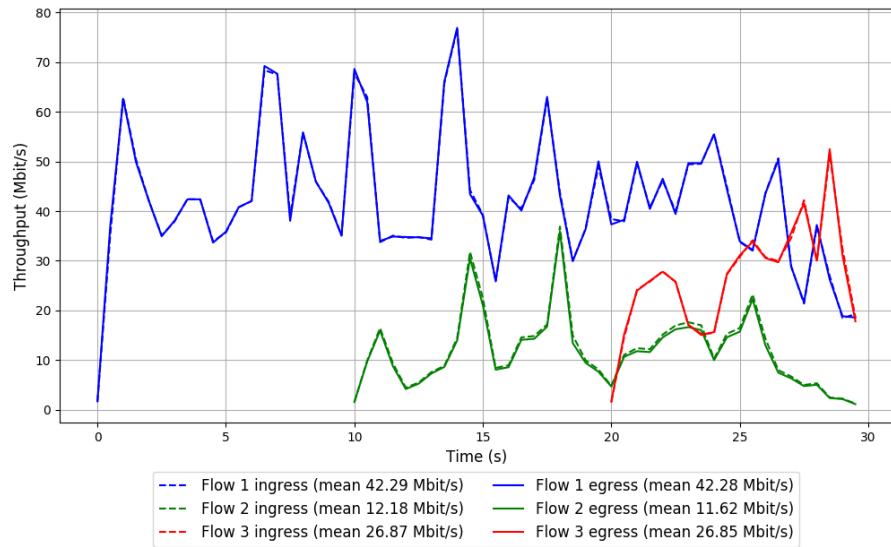


Run 10: Statistics of Vivace-latency

```
Start at: 2018-03-13 20:47:09
End at: 2018-03-13 20:47:39
Local clock offset: -6.649 ms
Remote clock offset: -20.399 ms

# Below is generated by plot.py at 2018-03-13 21:43:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: -11.904 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: -12.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: -11.340 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: -11.242 ms
Loss rate: 0.02%
```

Run 10: Report of Vivace-latency — Data Link

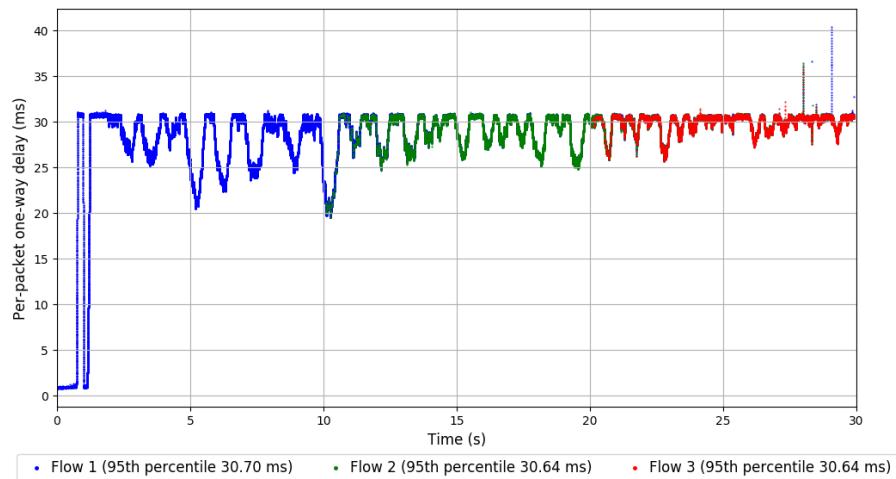
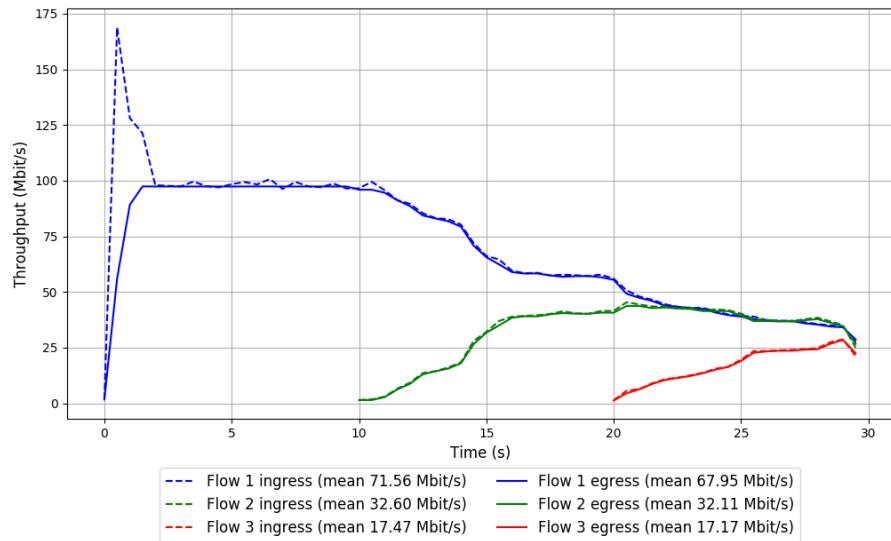


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 17:27:03
End at: 2018-03-13 17:27:33
Local clock offset: -3.643 ms
Remote clock offset: -6.979 ms

# Below is generated by plot.py at 2018-03-13 21:43:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 30.688 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 67.95 Mbit/s
95th percentile per-packet one-way delay: 30.701 ms
Loss rate: 4.95%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 30.635 ms
Loss rate: 1.68%
```

Run 1: Report of Vivace-loss — Data Link

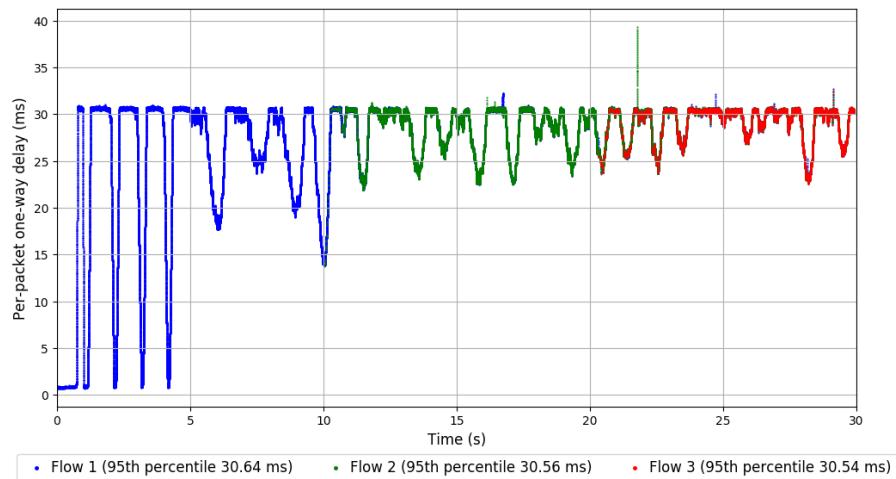
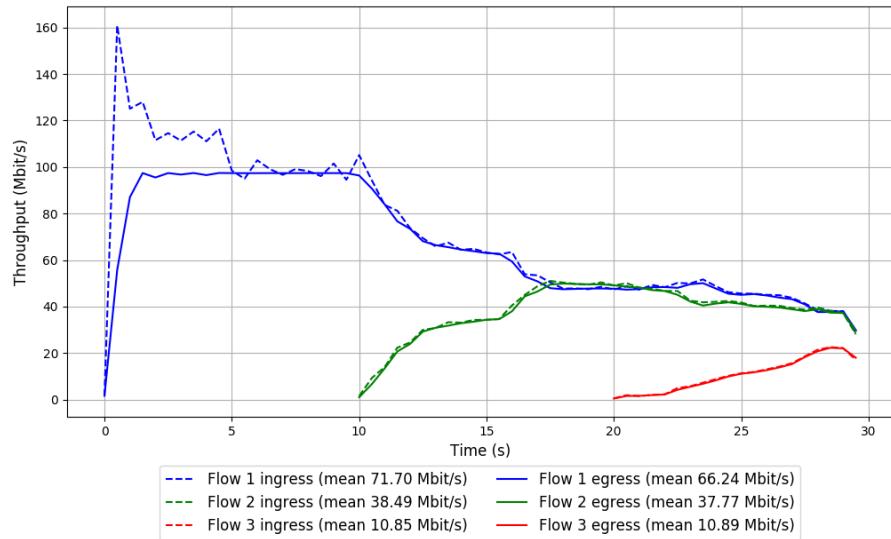


Run 2: Statistics of Vivace-loss

```
Start at: 2018-03-13 17:47:30
End at: 2018-03-13 17:48:00
Local clock offset: -6.43 ms
Remote clock offset: -7.322 ms

# Below is generated by plot.py at 2018-03-13 21:43:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 7.53%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 30.561 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 2.16%
```

Run 2: Report of Vivace-loss — Data Link

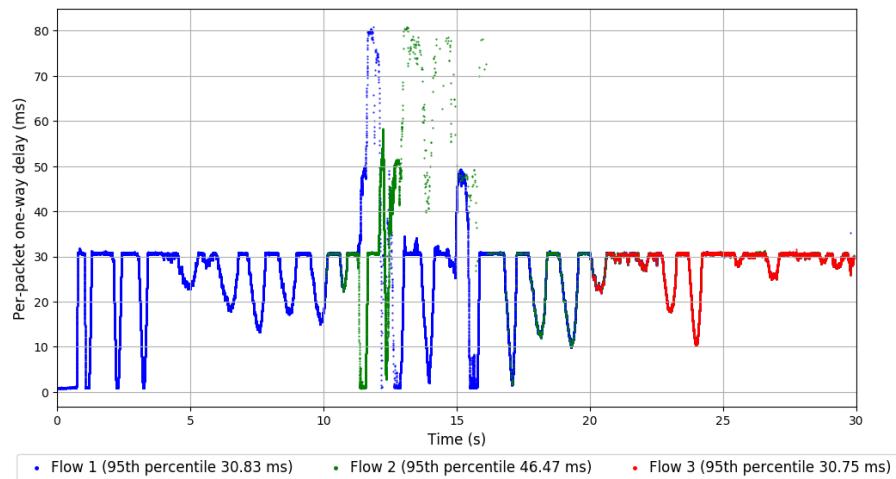
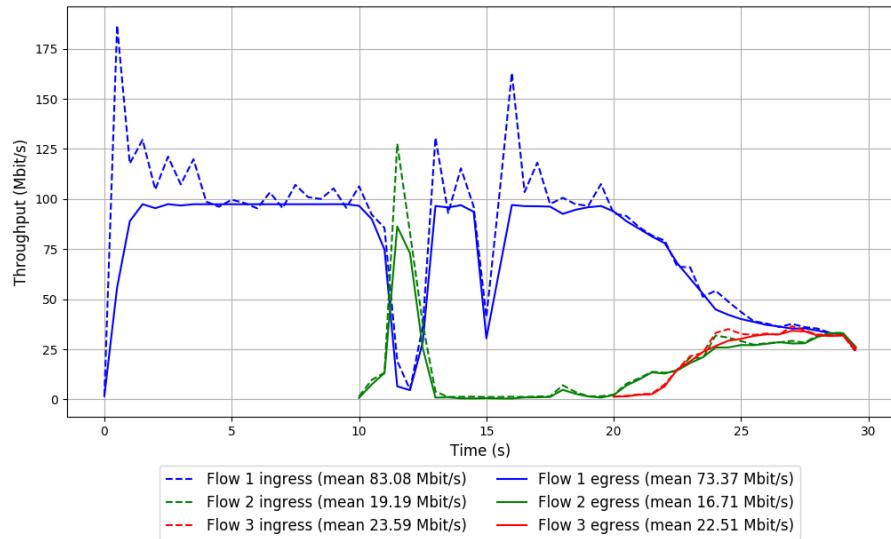


Run 3: Statistics of Vivace-loss

```
Start at: 2018-03-13 18:07:58
End at: 2018-03-13 18:08:28
Local clock offset: -7.321 ms
Remote clock offset: -7.606 ms

# Below is generated by plot.py at 2018-03-13 21:44:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 11.61%
-- Flow 2:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 46.474 ms
Loss rate: 12.88%
-- Flow 3:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 30.750 ms
Loss rate: 4.54%
```

Run 3: Report of Vivace-loss — Data Link

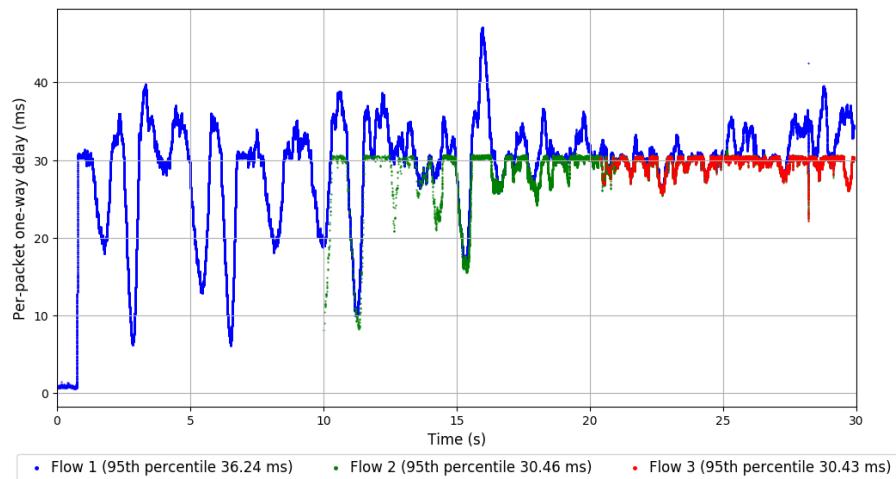
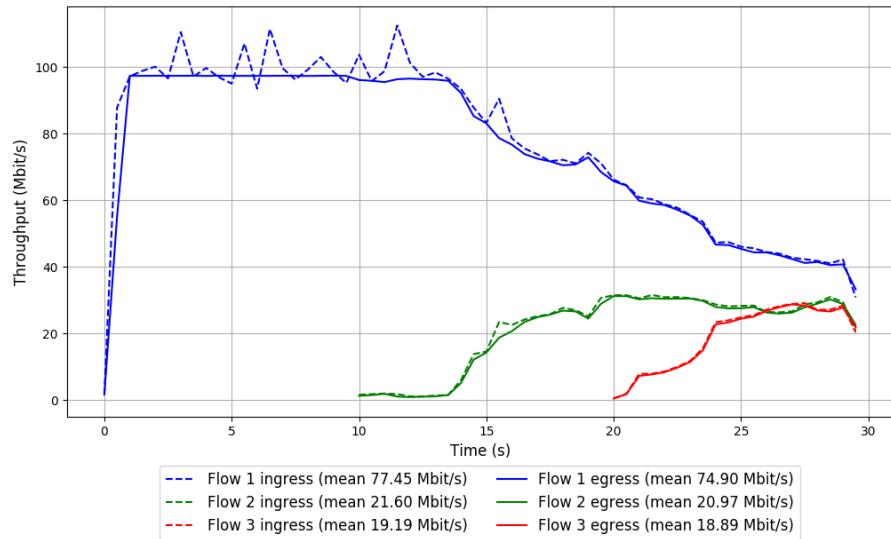


Run 4: Statistics of Vivace-loss

```
Start at: 2018-03-13 18:28:25
End at: 2018-03-13 18:28:55
Local clock offset: -6.757 ms
Remote clock offset: -6.846 ms

# Below is generated by plot.py at 2018-03-13 21:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 35.923 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 74.90 Mbit/s
95th percentile per-packet one-way delay: 36.236 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 30.461 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 30.427 ms
Loss rate: 1.58%
```

Run 4: Report of Vivace-loss — Data Link

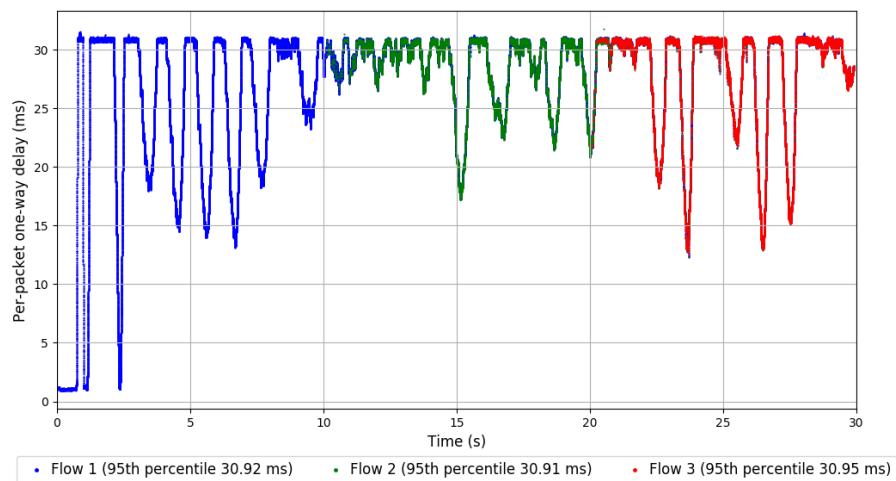
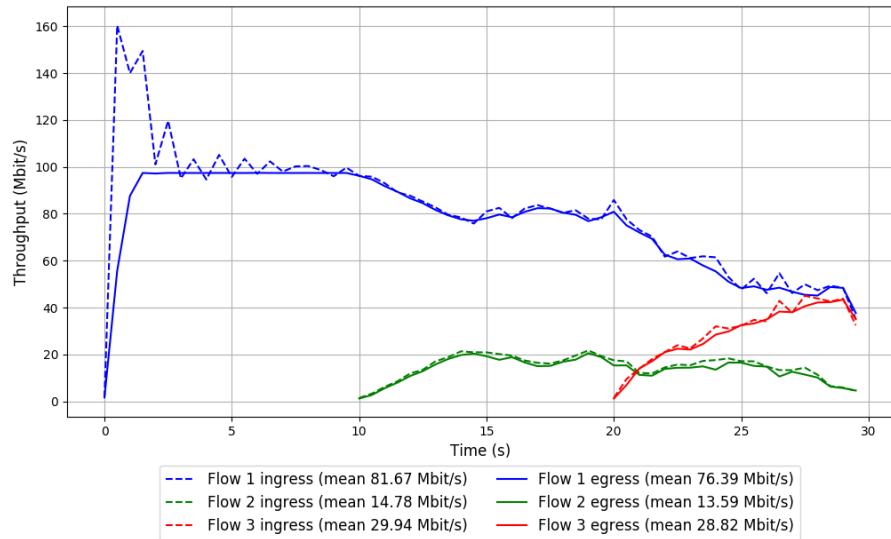


Run 5: Statistics of Vivace-loss

```
Start at: 2018-03-13 18:48:58
End at: 2018-03-13 18:49:28
Local clock offset: -4.147 ms
Remote clock offset: -6.412 ms

# Below is generated by plot.py at 2018-03-13 21:44:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 30.922 ms
Loss rate: 6.28%
-- Flow 1:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 30.920 ms
Loss rate: 6.39%
-- Flow 2:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 30.905 ms
Loss rate: 8.04%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 30.951 ms
Loss rate: 3.68%
```

Run 5: Report of Vivace-loss — Data Link

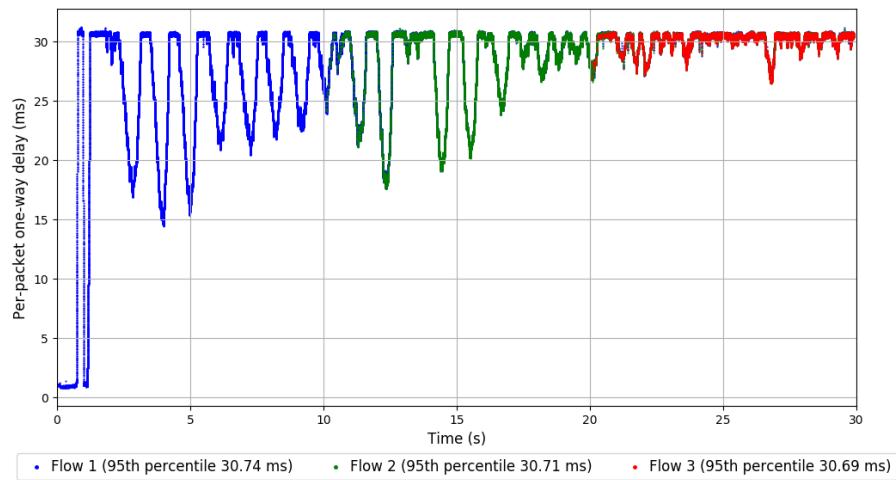
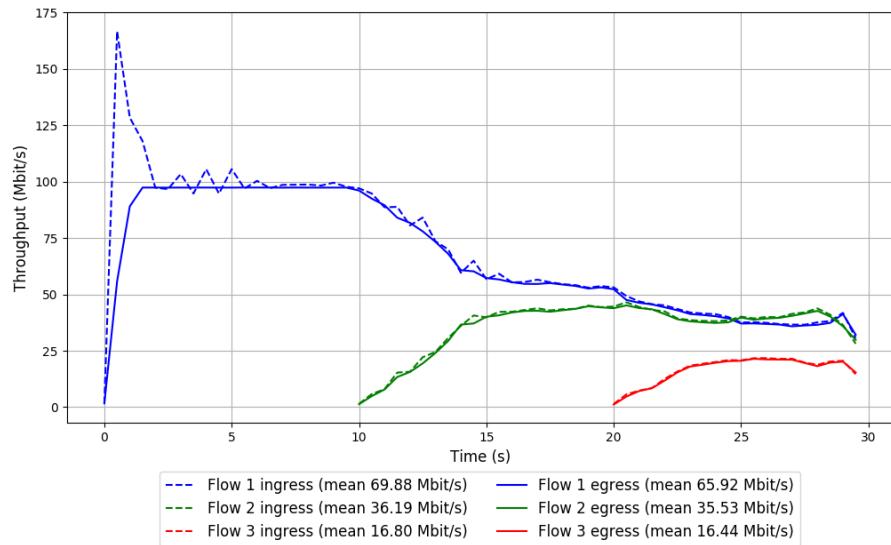


Run 6: Statistics of Vivace-loss

```
Start at: 2018-03-13 19:09:23
End at: 2018-03-13 19:09:53
Local clock offset: -2.326 ms
Remote clock offset: -6.568 ms

# Below is generated by plot.py at 2018-03-13 21:44:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 30.729 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 65.92 Mbit/s
95th percentile per-packet one-way delay: 30.737 ms
Loss rate: 5.57%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 30.708 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 30.686 ms
Loss rate: 2.09%
```

Run 6: Report of Vivace-loss — Data Link

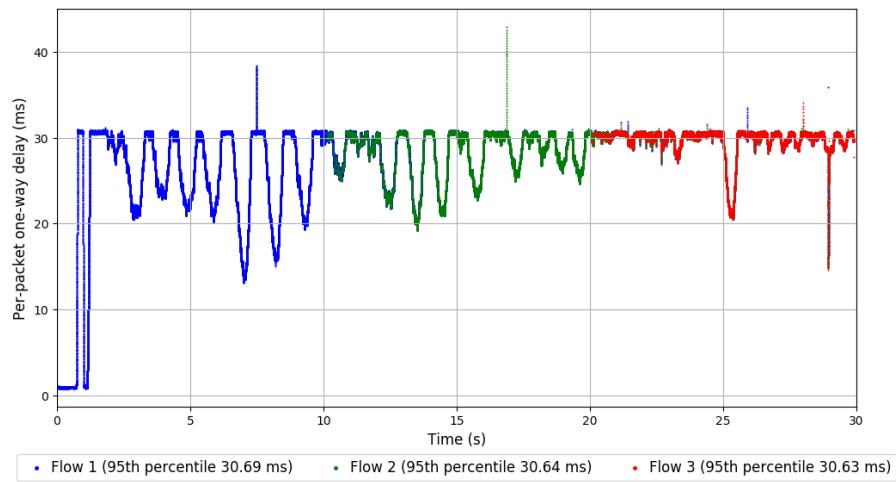
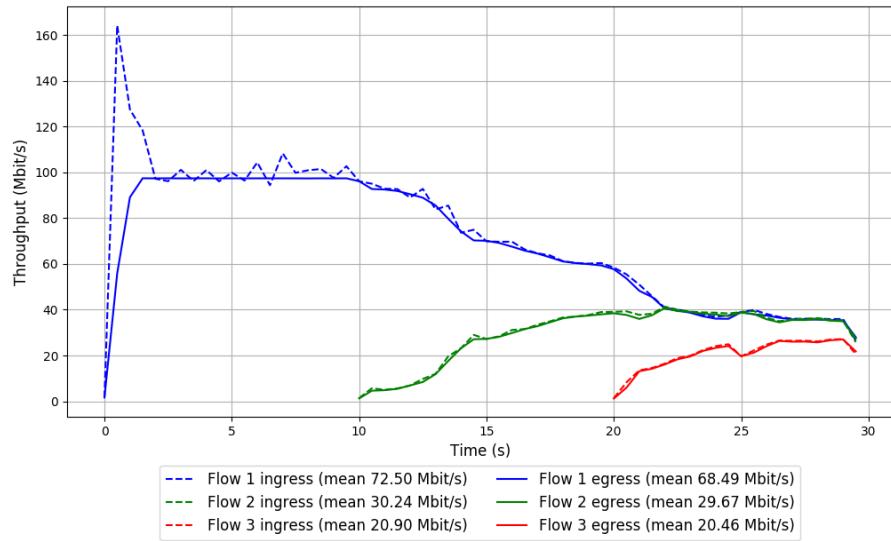


Run 7: Statistics of Vivace-loss

```
Start at: 2018-03-13 19:29:51
End at: 2018-03-13 19:30:21
Local clock offset: -2.736 ms
Remote clock offset: -6.495 ms

# Below is generated by plot.py at 2018-03-13 21:44:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 30.679 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 68.49 Mbit/s
95th percentile per-packet one-way delay: 30.690 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 30.642 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 30.634 ms
Loss rate: 2.09%
```

Run 7: Report of Vivace-loss — Data Link

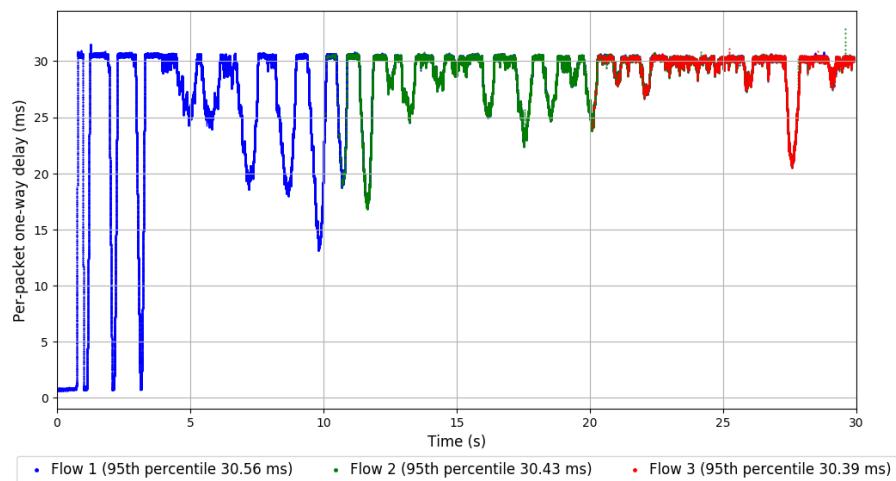
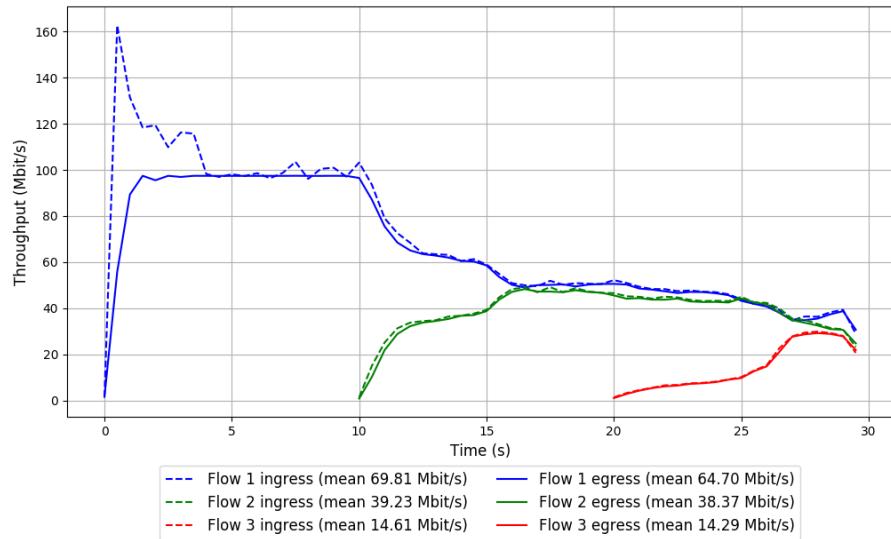


Run 8: Statistics of Vivace-loss

```
Start at: 2018-03-13 19:50:18
End at: 2018-03-13 19:50:48
Local clock offset: -3.591 ms
Remote clock offset: -6.37 ms

# Below is generated by plot.py at 2018-03-13 21:44:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 30.538 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 30.563 ms
Loss rate: 7.24%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 30.425 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 30.386 ms
Loss rate: 2.16%
```

Run 8: Report of Vivace-loss — Data Link

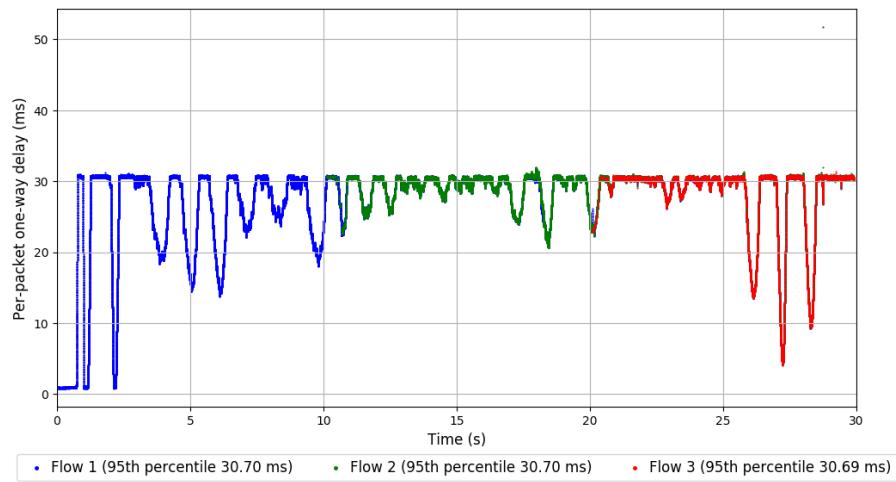
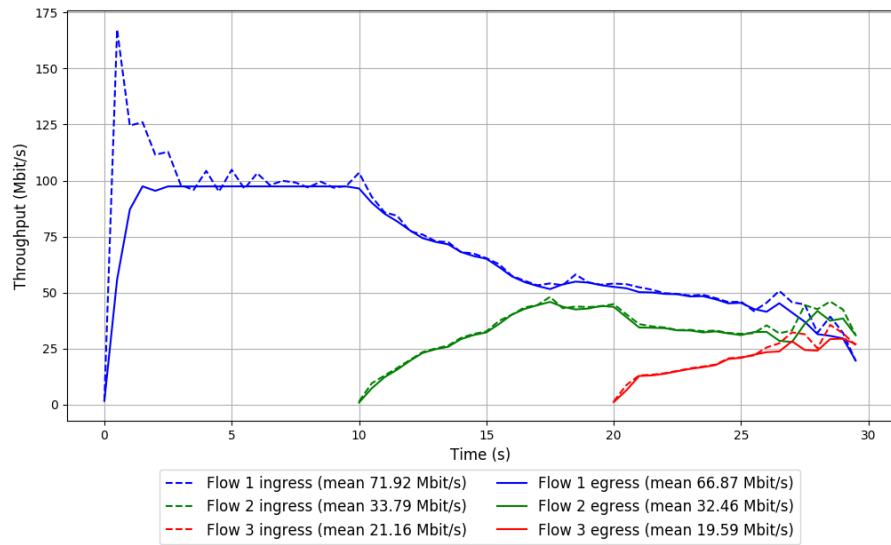


Run 9: Statistics of Vivace-loss

```
Start at: 2018-03-13 20:10:46
End at: 2018-03-13 20:11:16
Local clock offset: -6.768 ms
Remote clock offset: -6.607 ms

# Below is generated by plot.py at 2018-03-13 21:45:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 30.701 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 30.703 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 30.697 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 30.688 ms
Loss rate: 7.35%
```

Run 9: Report of Vivace-loss — Data Link

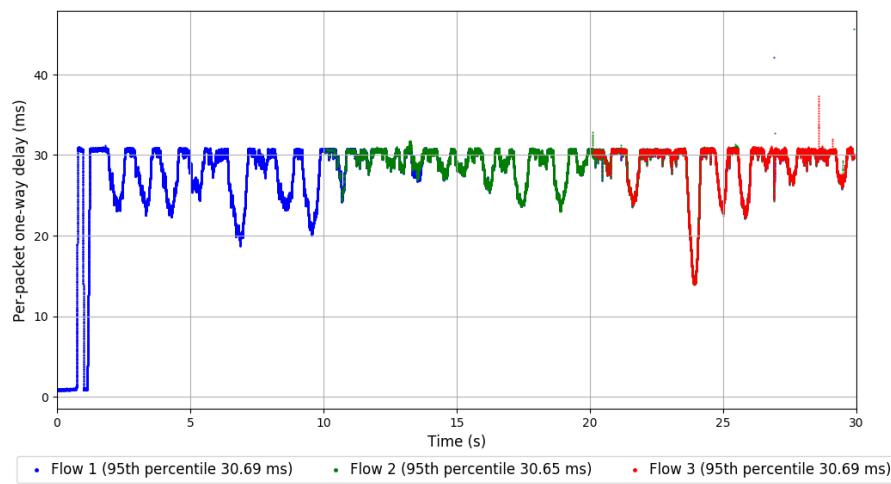
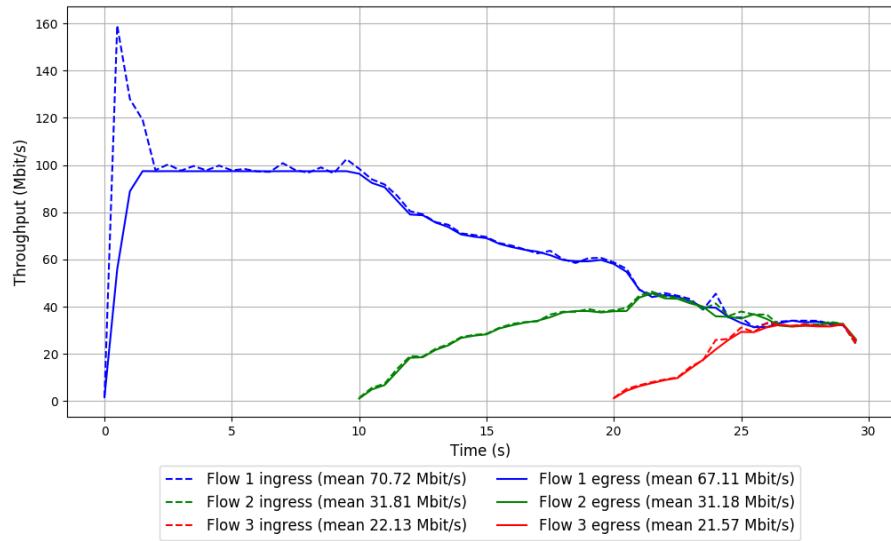


Run 10: Statistics of Vivace-loss

```
Start at: 2018-03-13 20:31:15
End at: 2018-03-13 20:31:45
Local clock offset: -6.586 ms
Remote clock offset: -6.689 ms

# Below is generated by plot.py at 2018-03-13 21:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 30.681 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 5.02%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 30.654 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 30.689 ms
Loss rate: 2.52%
```

Run 10: Report of Vivace-loss — Data Link

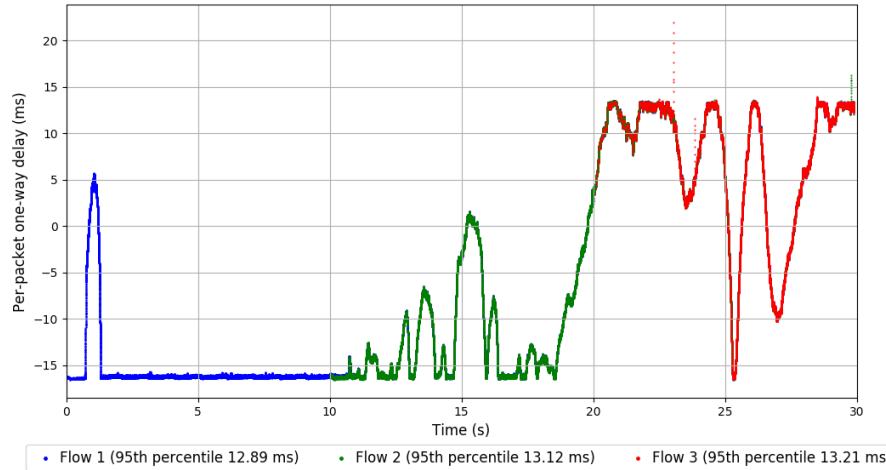
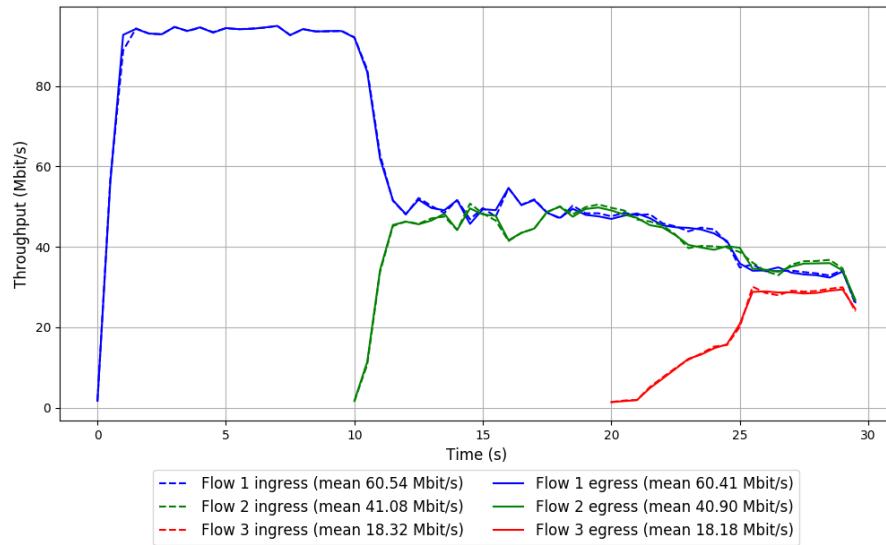


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-03-13 17:44:06
End at: 2018-03-13 17:44:36
Local clock offset: -6.156 ms
Remote clock offset: -24.567 ms

# Below is generated by plot.py at 2018-03-13 21:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 13.063 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 12.894 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 13.120 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 13.206 ms
Loss rate: 0.70%
```

Run 1: Report of Vivace-LTE — Data Link

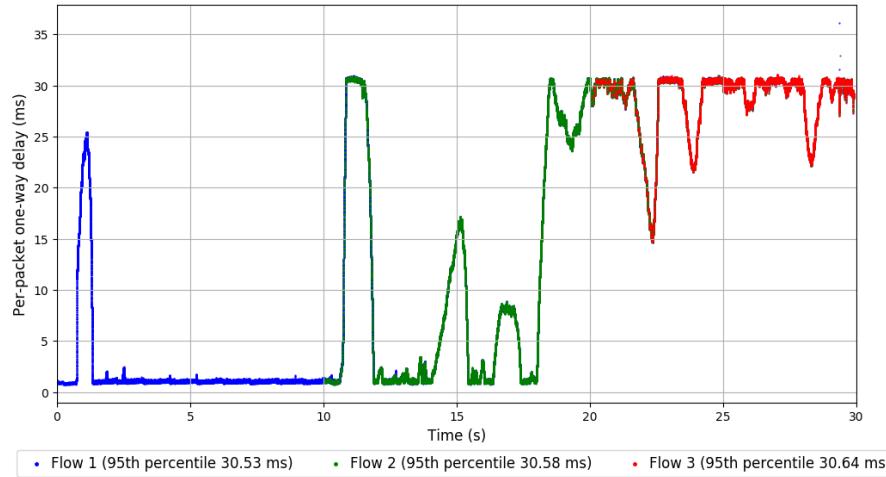
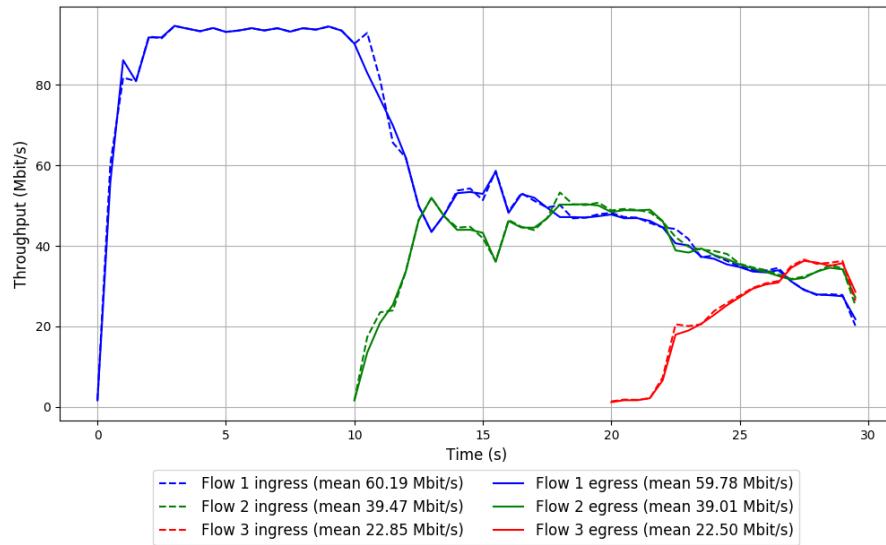


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-03-13 18:04:33
End at: 2018-03-13 18:05:03
Local clock offset: -7.743 ms
Remote clock offset: -7.568 ms

# Below is generated by plot.py at 2018-03-13 21:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 30.566 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 30.530 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 30.577 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 30.643 ms
Loss rate: 1.53%
```

Run 2: Report of Vivace-LTE — Data Link

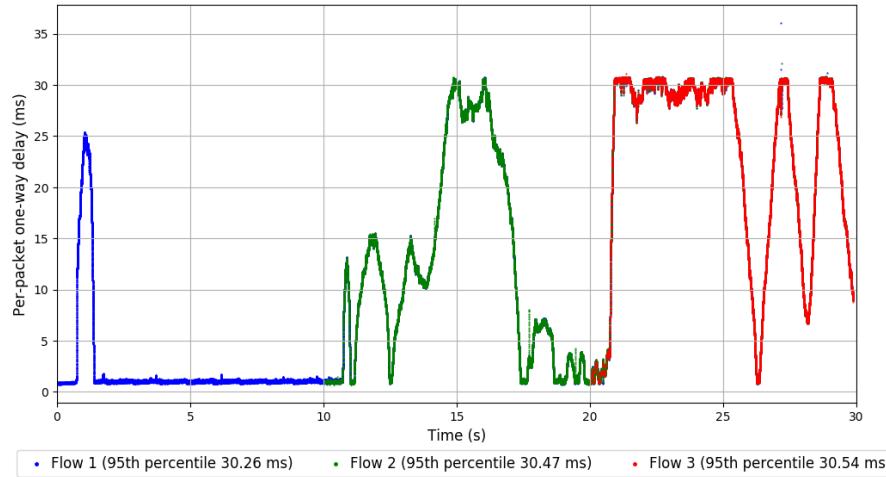
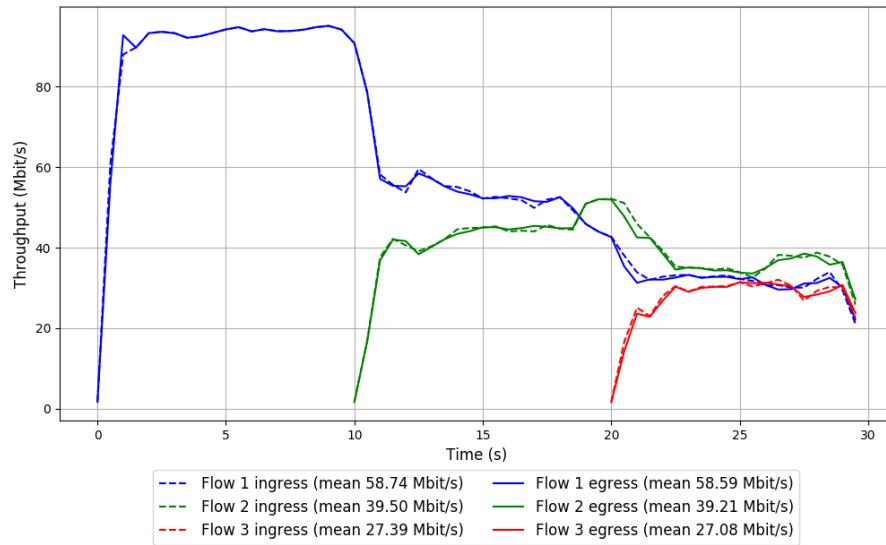


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-03-13 18:25:01
End at: 2018-03-13 18:25:31
Local clock offset: -6.754 ms
Remote clock offset: -6.949 ms

# Below is generated by plot.py at 2018-03-13 21:45:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 30.424 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 30.257 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 30.470 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 1.04%
```

Run 3: Report of Vivace-LTE — Data Link

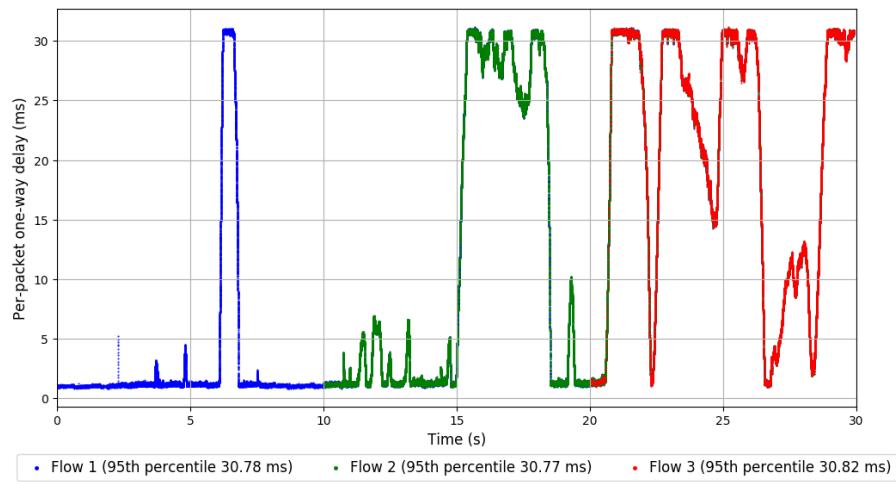
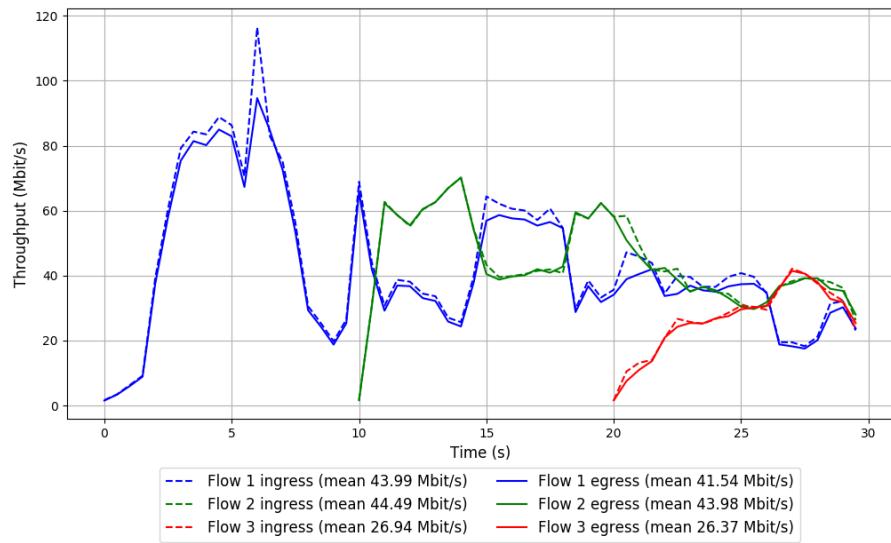


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-03-13 18:45:34
End at: 2018-03-13 18:46:04
Local clock offset: -4.782 ms
Remote clock offset: -6.389 ms

# Below is generated by plot.py at 2018-03-13 21:45:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 5.47%
-- Flow 2:
Average throughput: 43.98 Mbit/s
95th percentile per-packet one-way delay: 30.773 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 30.815 ms
Loss rate: 1.80%
```

Run 4: Report of Vivace-LTE — Data Link

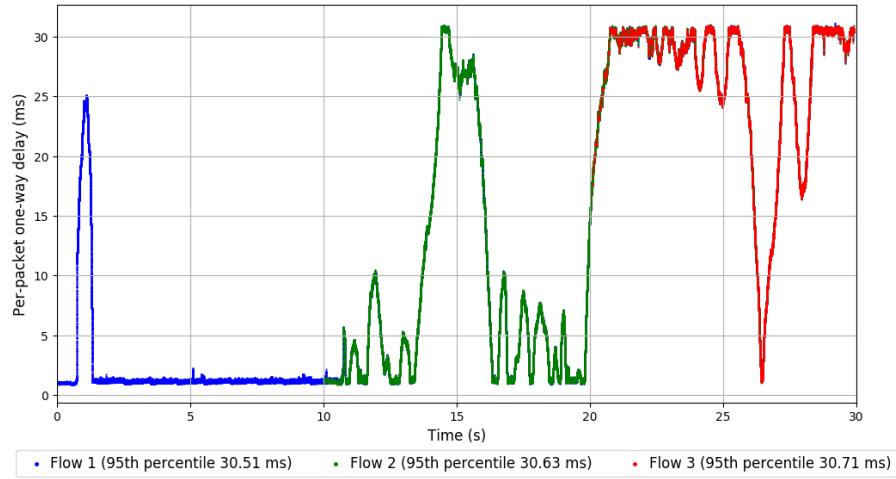
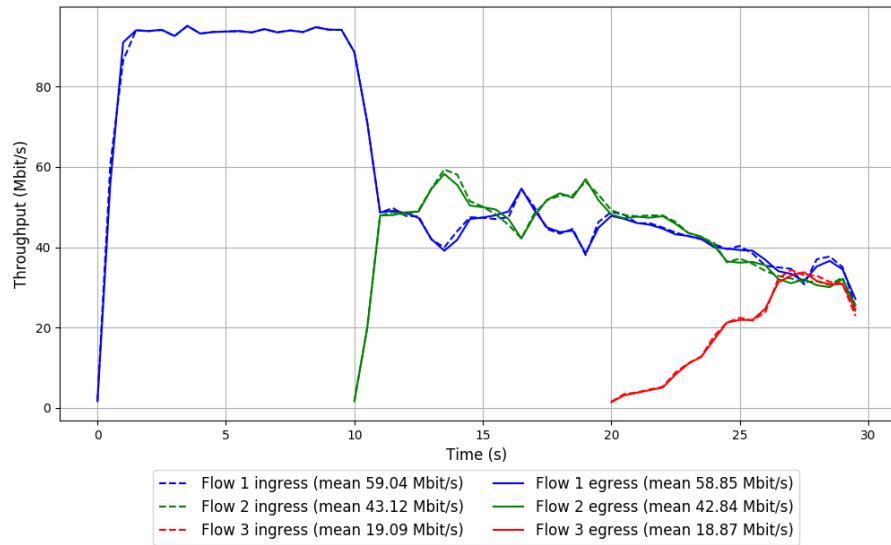


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-03-13 19:05:59
End at: 2018-03-13 19:06:29
Local clock offset: -2.472 ms
Remote clock offset: -6.475 ms

# Below is generated by plot.py at 2018-03-13 21:45:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 30.595 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 30.509 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 30.711 ms
Loss rate: 1.06%
```

Run 5: Report of Vivace-LTE — Data Link

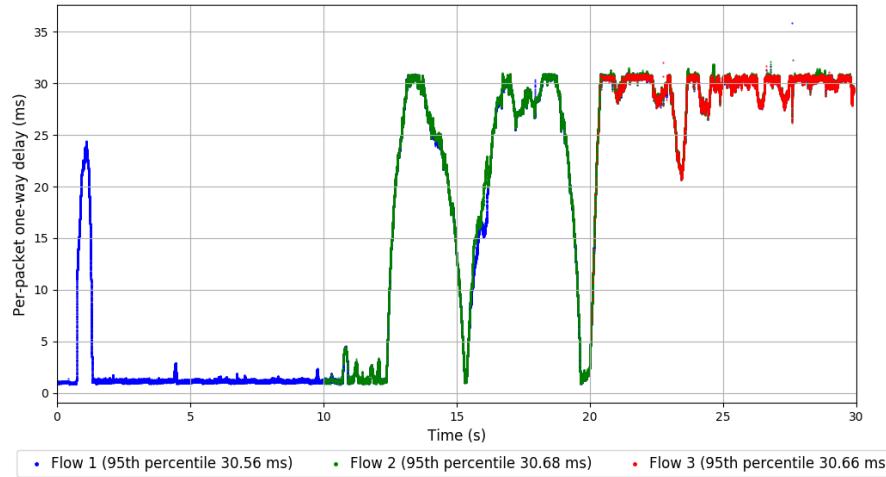
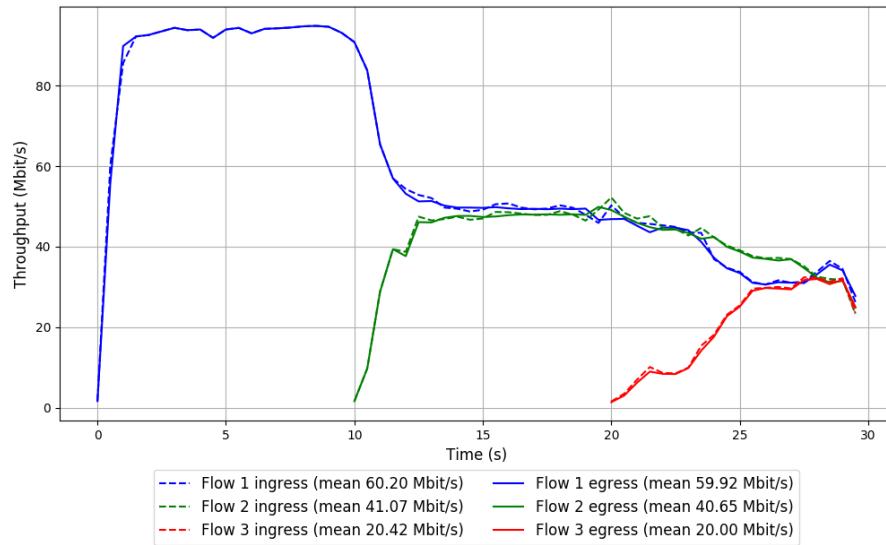


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-03-13 19:26:27
End at: 2018-03-13 19:26:57
Local clock offset: -2.768 ms
Remote clock offset: -6.498 ms

# Below is generated by plot.py at 2018-03-13 21:46:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 30.619 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 30.556 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 30.683 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 30.656 ms
Loss rate: 1.80%
```

Run 6: Report of Vivace-LTE — Data Link

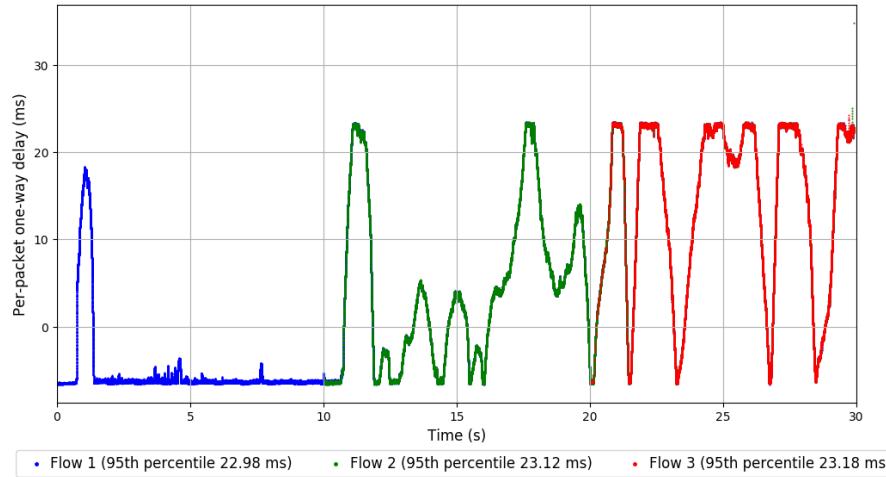
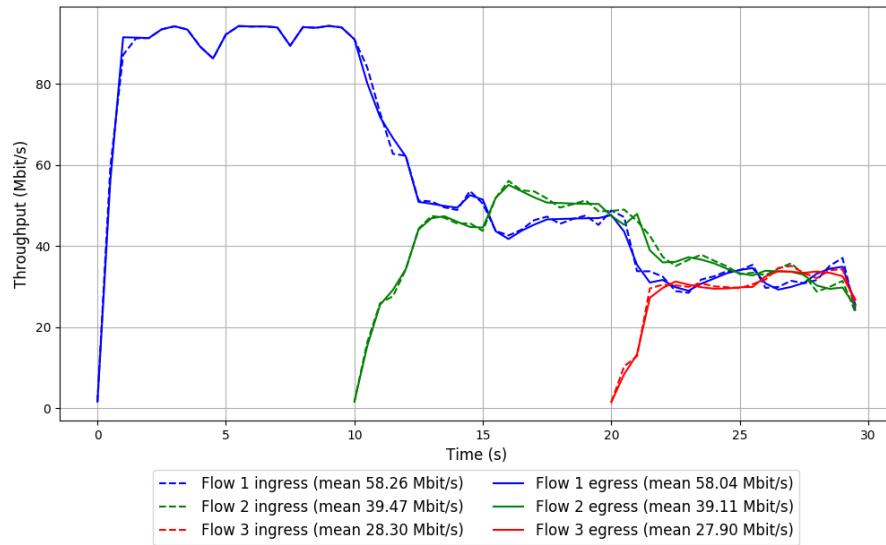


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-03-13 19:46:54
End at: 2018-03-13 19:47:24
Local clock offset: -2.627 ms
Remote clock offset: -13.771 ms

# Below is generated by plot.py at 2018-03-13 21:46:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 23.085 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 22.976 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 23.121 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 23.176 ms
Loss rate: 1.10%
```

Run 7: Report of Vivace-LTE — Data Link

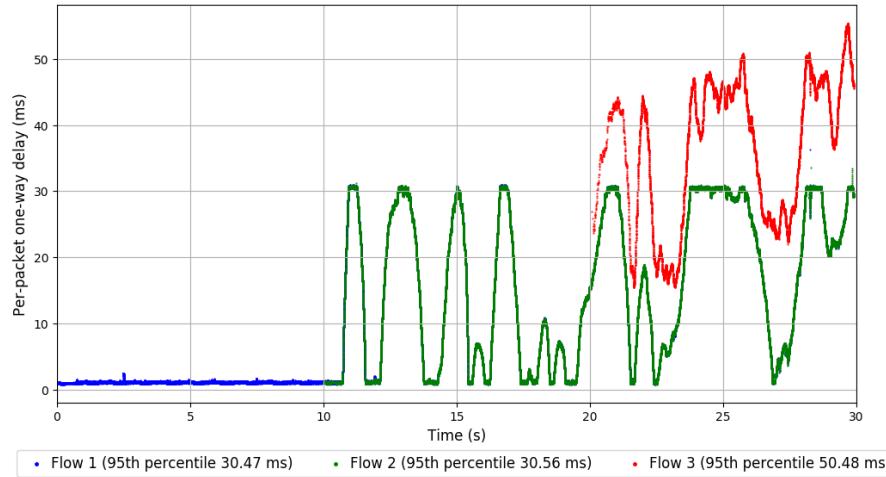
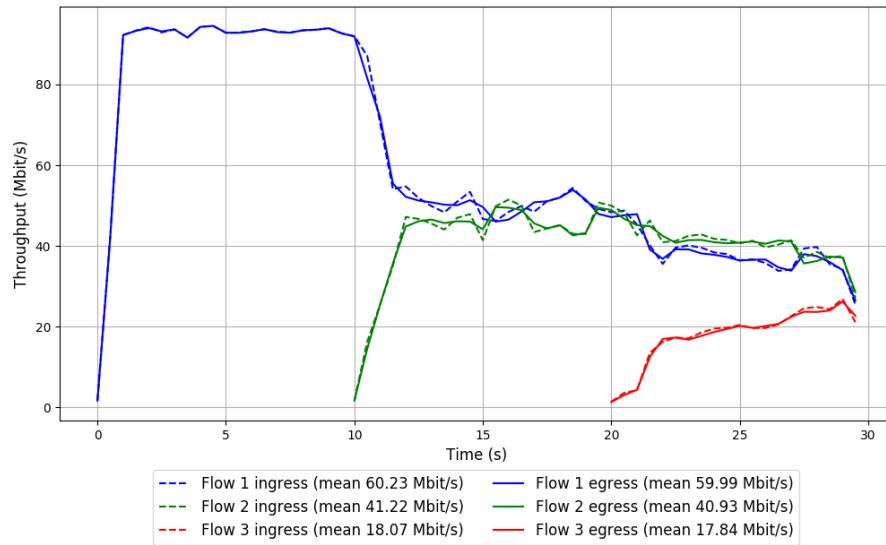


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-03-13 20:07:22
End at: 2018-03-13 20:07:52
Local clock offset: -6.517 ms
Remote clock offset: -6.544 ms

# Below is generated by plot.py at 2018-03-13 21:46:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 30.701 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 30.468 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 30.559 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 50.482 ms
Loss rate: 1.24%
```

Run 8: Report of Vivace-LTE — Data Link

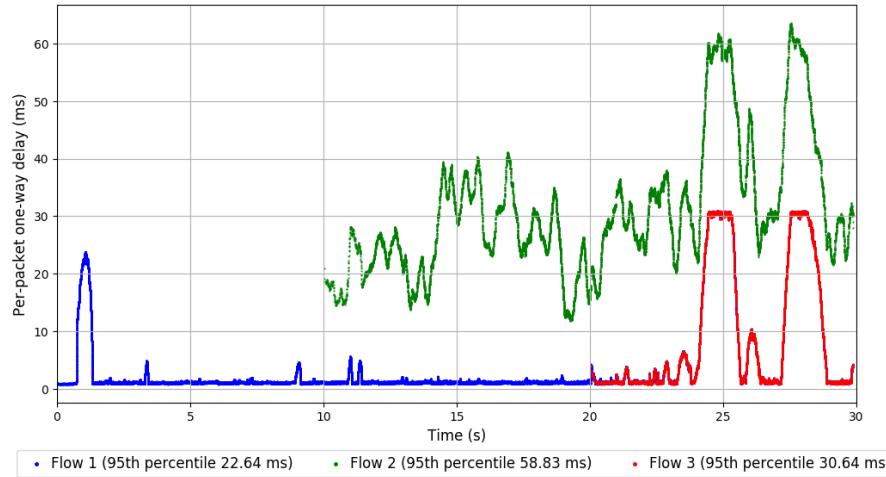
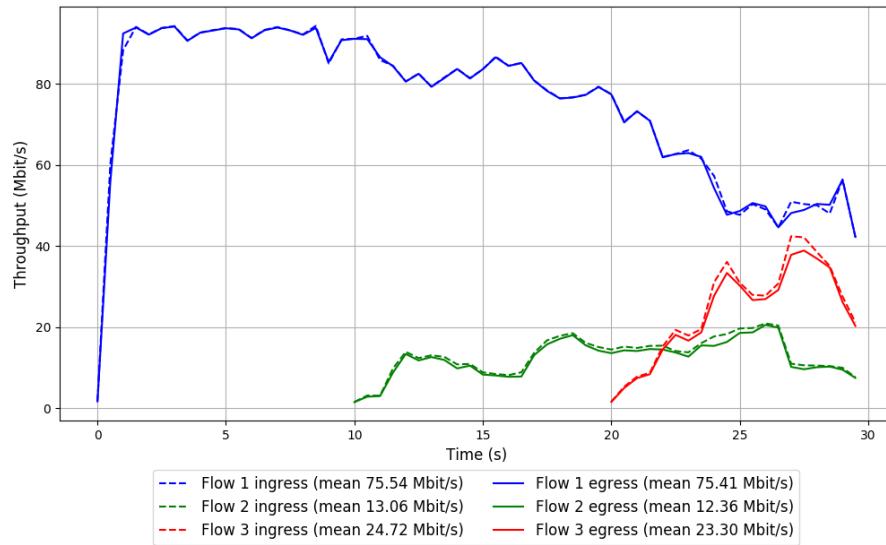


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-03-13 20:27:50
End at: 2018-03-13 20:28:20
Local clock offset: -6.797 ms
Remote clock offset: -6.691 ms

# Below is generated by plot.py at 2018-03-13 21:46:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 30.621 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 22.642 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 58.833 ms
Loss rate: 5.48%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 30.642 ms
Loss rate: 5.70%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-03-13 20:48:17
End at: 2018-03-13 20:48:47
Local clock offset: -6.704 ms
Remote clock offset: -6.715 ms

# Below is generated by plot.py at 2018-03-13 21:46:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 30.576 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 30.495 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 22.03 Mbit/s
95th percentile per-packet one-way delay: 30.670 ms
Loss rate: 1.62%
```

Run 10: Report of Vivace-LTE — Data Link

