

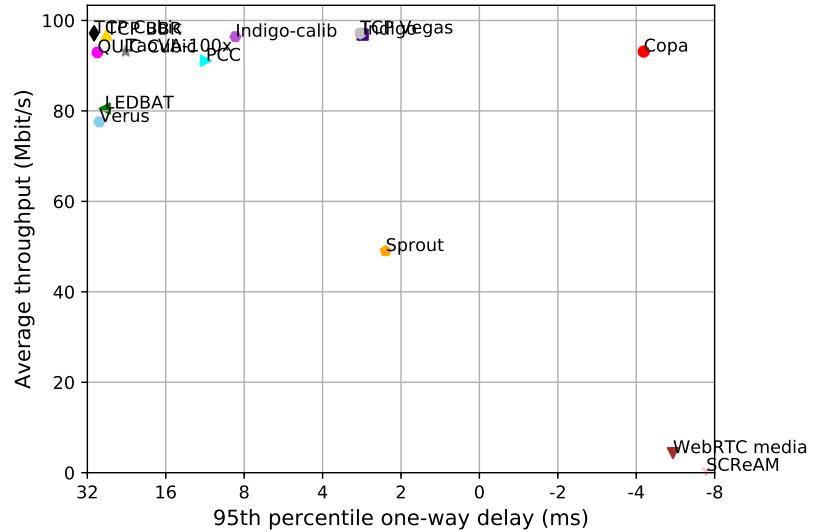
Pantheon Report

Generated at 2017-12-12 02:17:55 (UTC).
Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

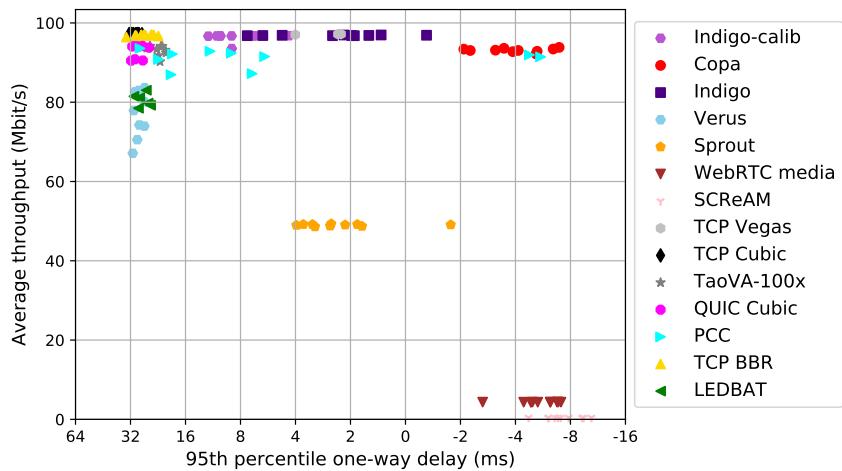
Git summary:

```
branch: indigos @ e3a57ad5ac5cfaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



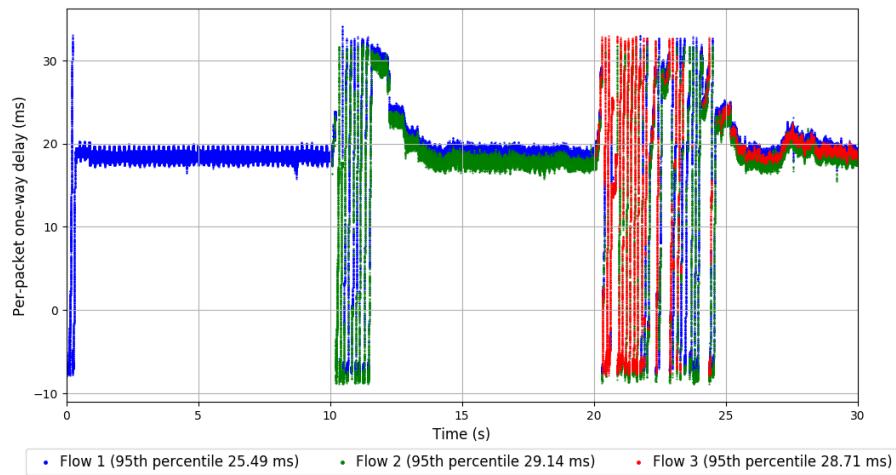
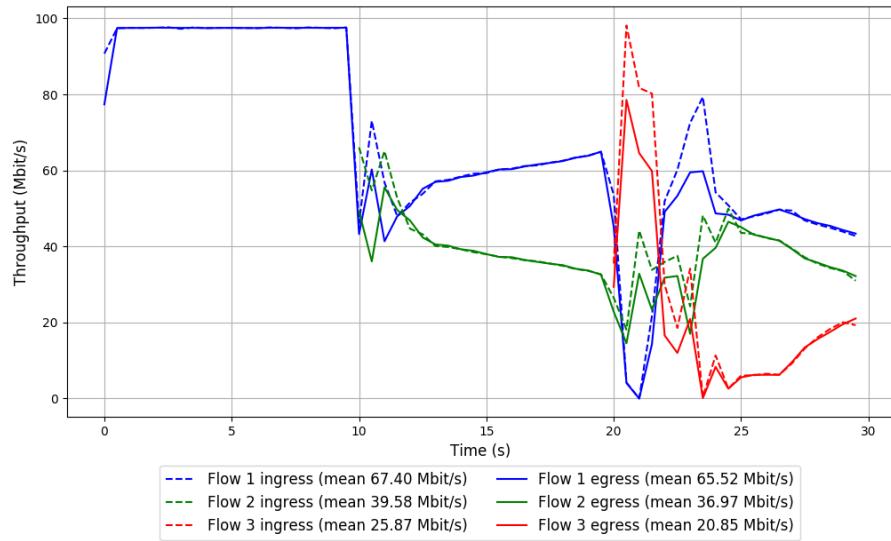
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.39	45.53	36.78	24.40	27.76	28.80	3.29	7.29	10.91
TCP Cubic	10	68.38	30.79	25.06	30.08	30.22	30.06	0.89	0.79	0.68
LEDBAT	6	50.26	35.26	20.54	26.97	28.27	27.87	0.33	0.62	0.86
PCC	10	78.91	12.08	12.54	10.45	13.18	13.60	2.00	2.52	2.08
QUIC Cubic	9	64.11	32.64	21.95	29.18	29.43	29.33	1.57	2.07	2.08
SCReAM	10	0.21	0.21	0.22	-7.60	-7.90	-7.52	0.00	0.02	0.00
WebRTC media	10	2.33	1.47	0.55	-5.91	-5.88	-4.34	0.00	0.00	0.01
Sprout	10	24.67	24.51	24.37	1.75	2.65	2.01	0.01	0.01	0.00
TaoVA-100x	10	57.02	41.64	33.05	19.81	23.77	69.09	2.95	6.97	16.81
TCP Vegas	3	56.73	38.52	44.43	4.95	-4.49	-4.19	0.10	0.00	0.00
Verus	10	50.48	33.40	16.62	28.15	29.28	29.19	26.76	38.78	42.17
Copa	10	59.13	39.49	30.46	-4.50	-4.09	-3.69	0.00	0.00	0.01
Indigo	10	58.81	37.56	40.05	1.68	3.99	6.86	0.00	0.01	0.01
Indigo-calib	10	60.45	36.02	36.81	4.21	12.65	16.58	0.00	0.02	0.02

Run 1: Statistics of TCP BBR

```
Start at: 2017-12-11 22:55:36
End at: 2017-12-11 22:56:06
Local clock offset: 3.606 ms
Remote clock offset: -15.291 ms

# Below is generated by plot.py at 2017-12-12 01:57:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 27.948 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 25.494 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 29.142 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 28.711 ms
Loss rate: 19.39%
```

Run 1: Report of TCP BBR — Data Link

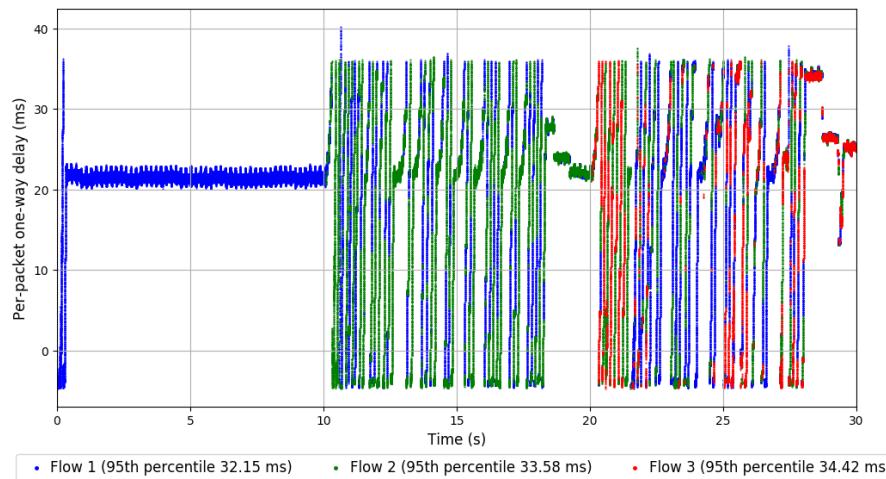
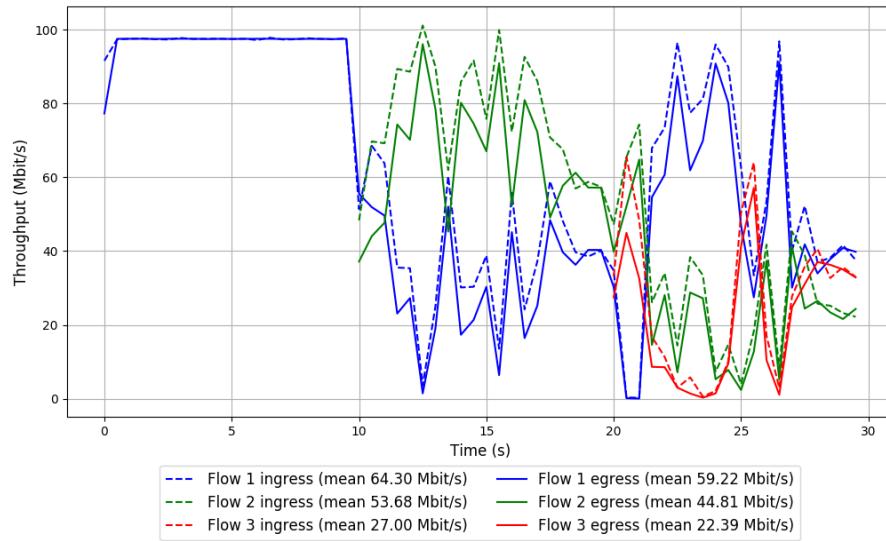


Run 2: Statistics of TCP BBR

```
Start at: 2017-12-11 23:12:13
End at: 2017-12-11 23:12:43
Local clock offset: 2.808 ms
Remote clock offset: -12.219 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 33.743 ms
Loss rate: 11.43%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 32.150 ms
Loss rate: 7.83%
-- Flow 2:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 33.577 ms
Loss rate: 16.51%
-- Flow 3:
Average throughput: 22.39 Mbit/s
95th percentile per-packet one-way delay: 34.420 ms
Loss rate: 17.06%
```

Run 2: Report of TCP BBR — Data Link

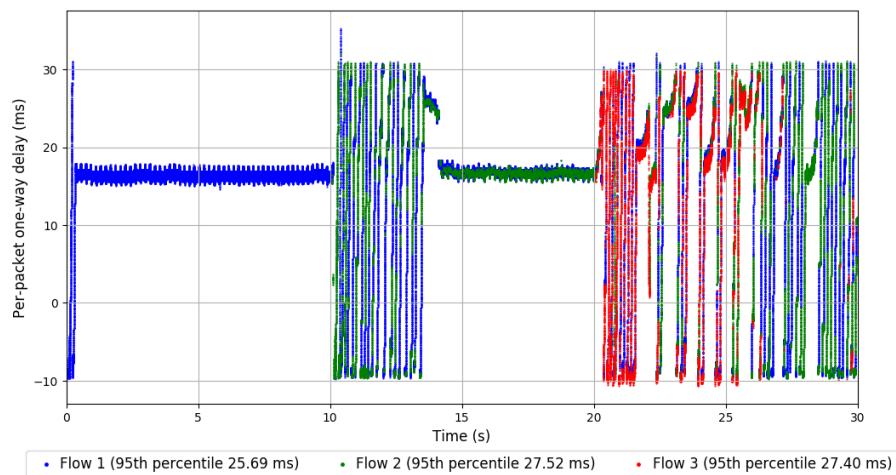
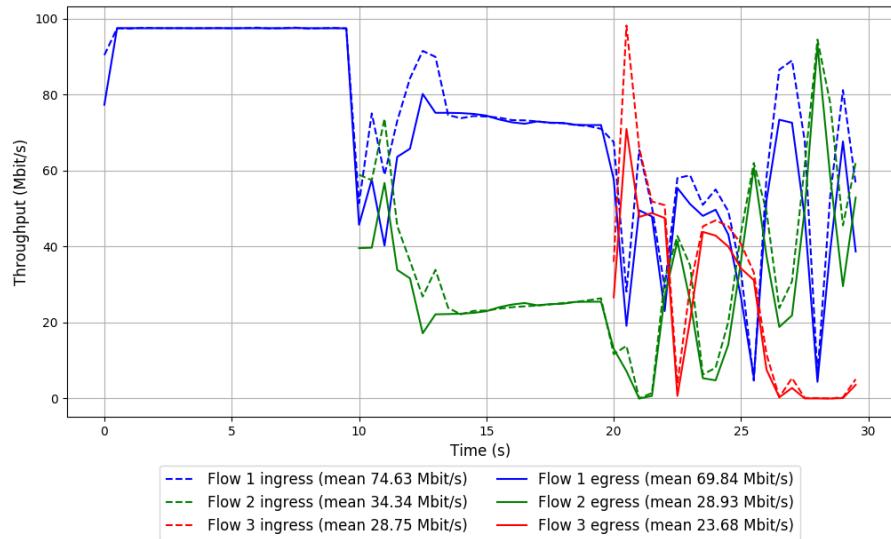


Run 3: Statistics of TCP BBR

```
Start at: 2017-12-11 23:28:42
End at: 2017-12-11 23:29:12
Local clock offset: 5.638 ms
Remote clock offset: -15.815 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 26.430 ms
Loss rate: 9.38%
-- Flow 1:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 25.686 ms
Loss rate: 6.35%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 27.525 ms
Loss rate: 15.80%
-- Flow 3:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 27.398 ms
Loss rate: 17.70%
```

Run 3: Report of TCP BBR — Data Link

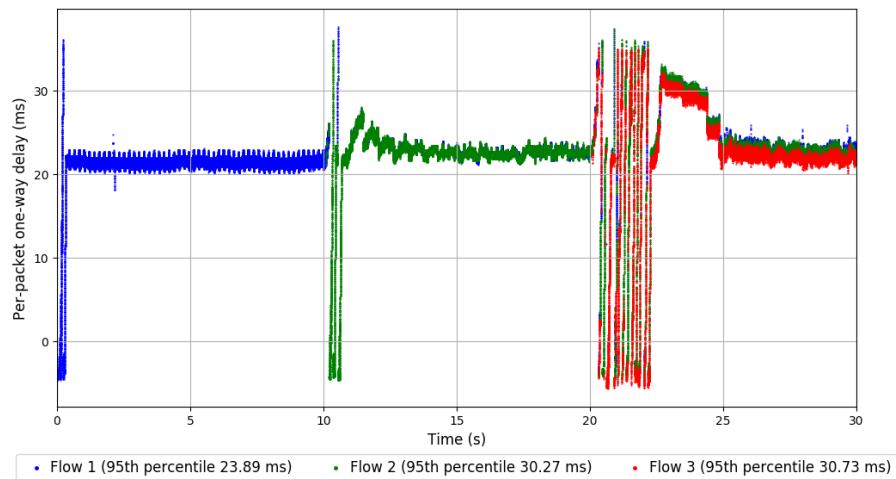
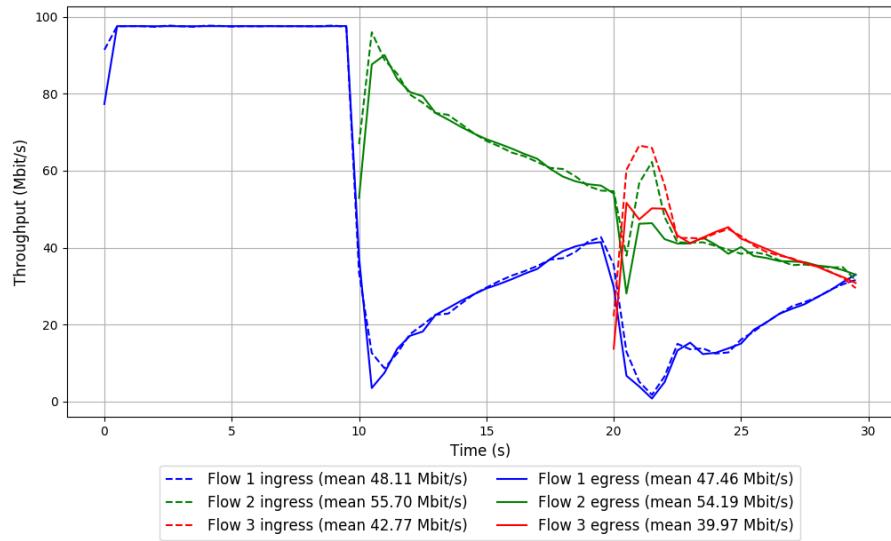


Run 4: Statistics of TCP BBR

```
Start at: 2017-12-11 23:45:05
End at: 2017-12-11 23:45:35
Local clock offset: 4.177 ms
Remote clock offset: -12.026 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 29.740 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 23.894 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 54.19 Mbit/s
95th percentile per-packet one-way delay: 30.267 ms
Loss rate: 2.73%
-- Flow 3:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 30.726 ms
Loss rate: 6.54%
```

Run 4: Report of TCP BBR — Data Link

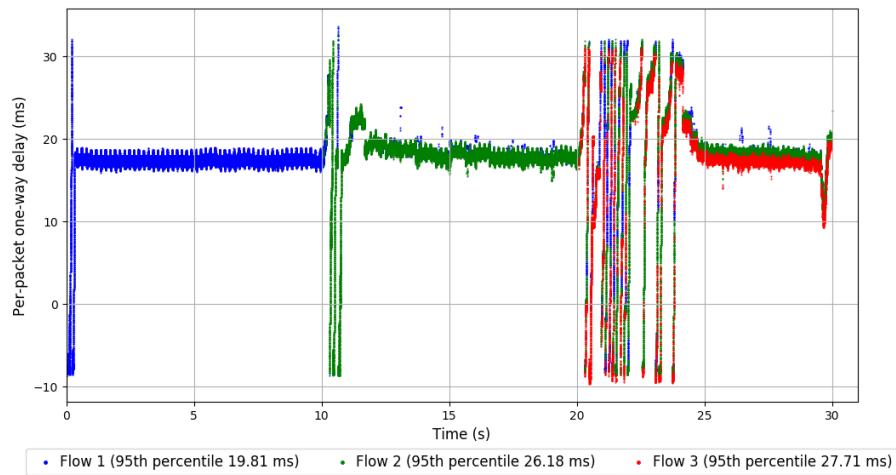
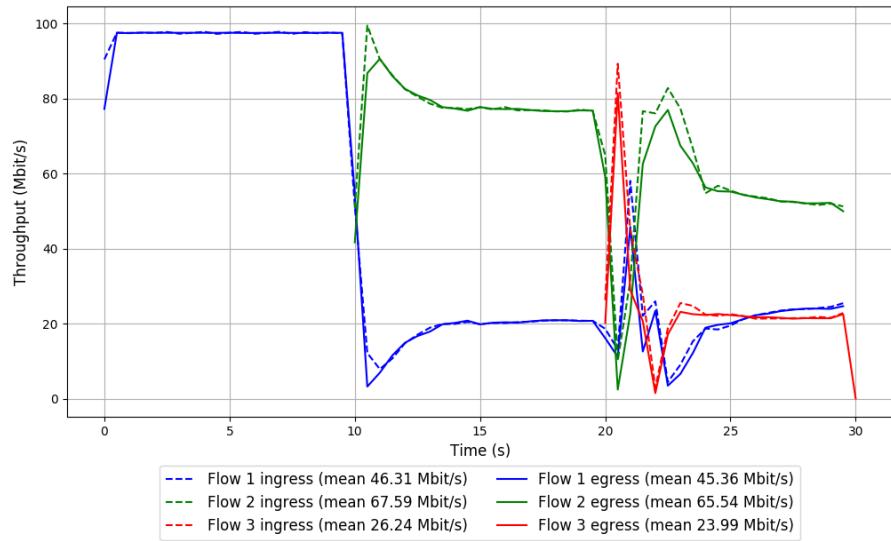


Run 5: Statistics of TCP BBR

```
Start at: 2017-12-12 00:01:44
End at: 2017-12-12 00:02:14
Local clock offset: 5.935 ms
Remote clock offset: -14.018 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 24.064 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 45.36 Mbit/s
95th percentile per-packet one-way delay: 19.813 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 65.54 Mbit/s
95th percentile per-packet one-way delay: 26.178 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 27.707 ms
Loss rate: 8.54%
```

Run 5: Report of TCP BBR — Data Link

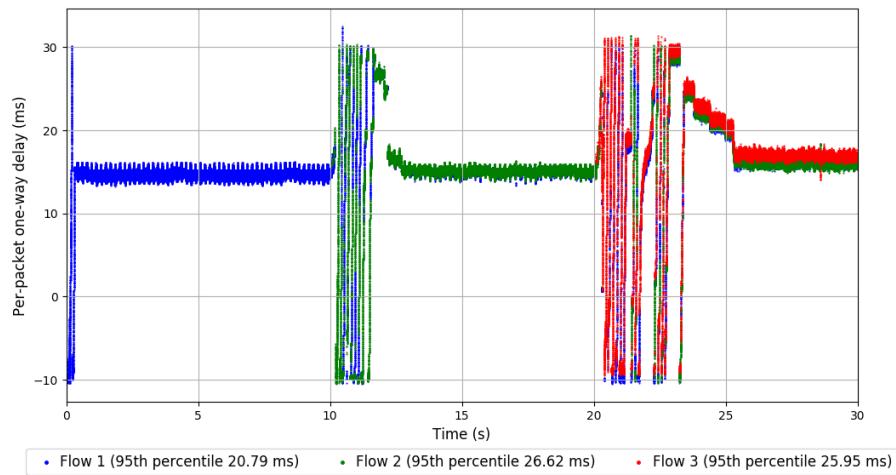
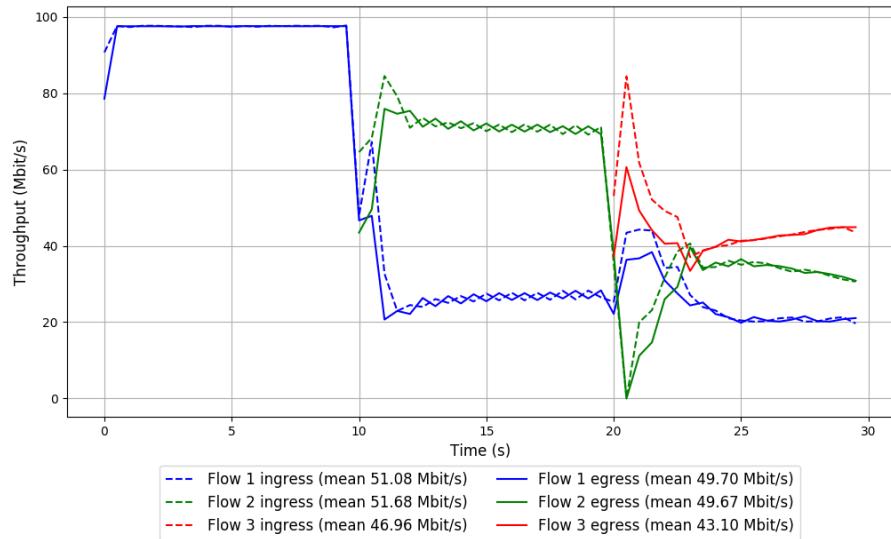


Run 6: Statistics of TCP BBR

```
Start at: 2017-12-12 00:18:16
End at: 2017-12-12 00:18:46
Local clock offset: 5.794 ms
Remote clock offset: -14.512 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 24.673 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 26.619 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 25.955 ms
Loss rate: 8.23%
```

Run 6: Report of TCP BBR — Data Link

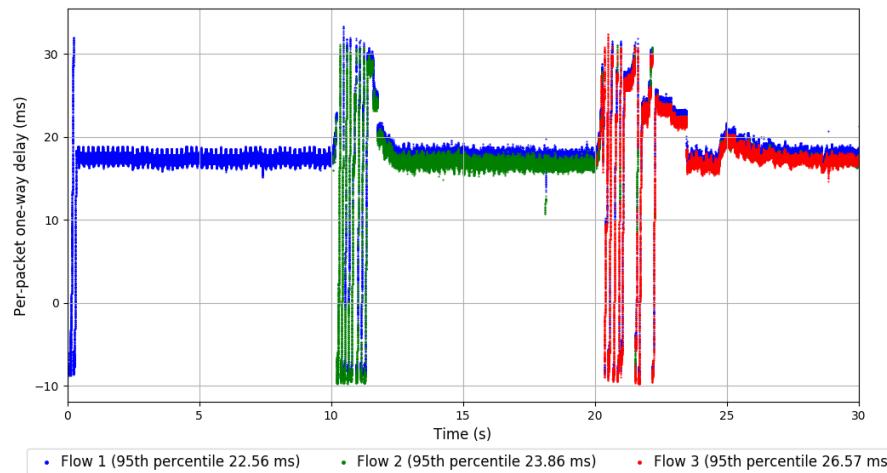
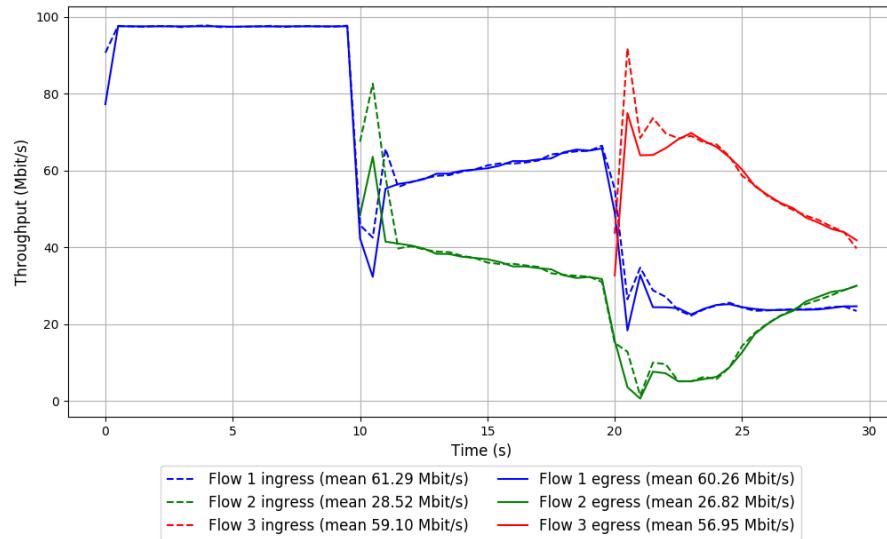


Run 7: Statistics of TCP BBR

```
Start at: 2017-12-12 00:34:43
End at: 2017-12-12 00:35:13
Local clock offset: 7.128 ms
Remote clock offset: -11.962 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 23.934 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 22.559 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 23.864 ms
Loss rate: 5.94%
-- Flow 3:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 26.566 ms
Loss rate: 3.66%
```

Run 7: Report of TCP BBR — Data Link

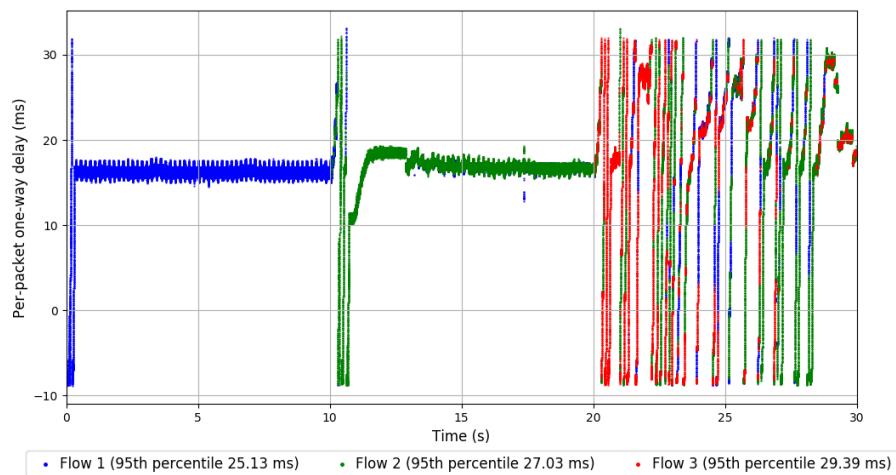
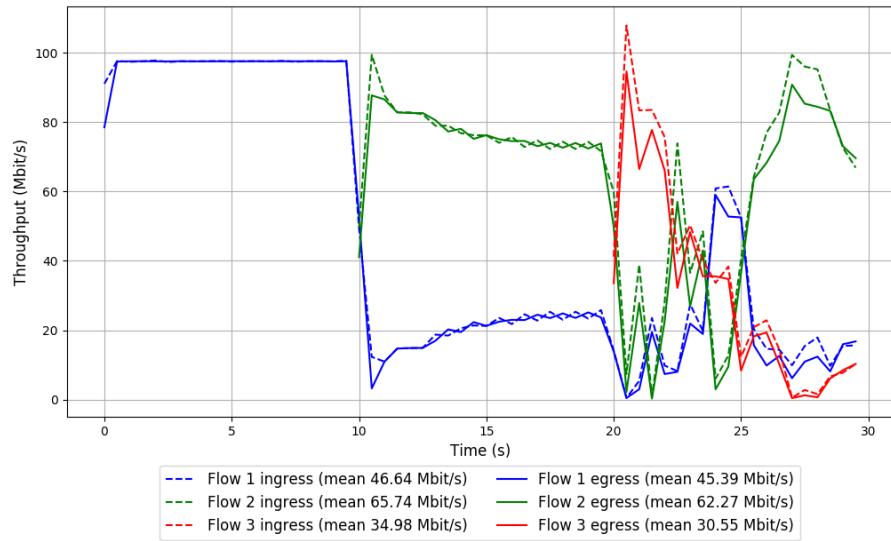


Run 8: Statistics of TCP BBR

```
Start at: 2017-12-12 00:51:15
End at: 2017-12-12 00:51:45
Local clock offset: 6.846 ms
Remote clock offset: -10.987 ms

# Below is generated by plot.py at 2017-12-12 01:57:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 27.114 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 25.128 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 27.028 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 29.389 ms
Loss rate: 12.65%
```

Run 8: Report of TCP BBR — Data Link

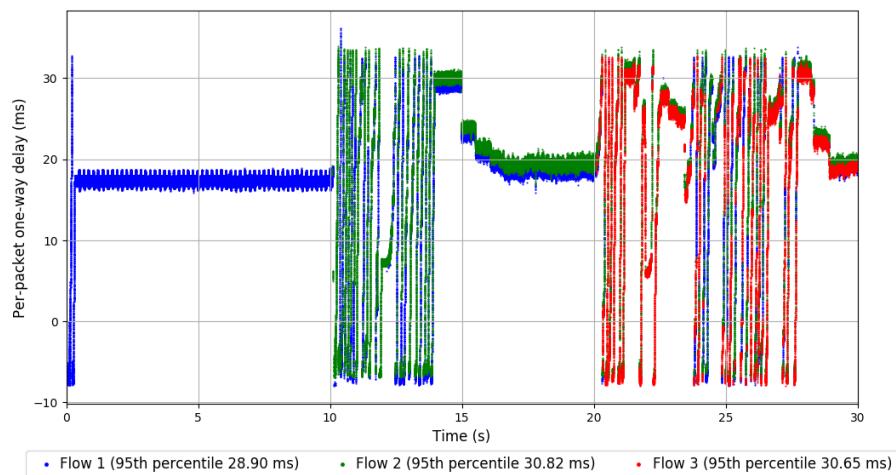
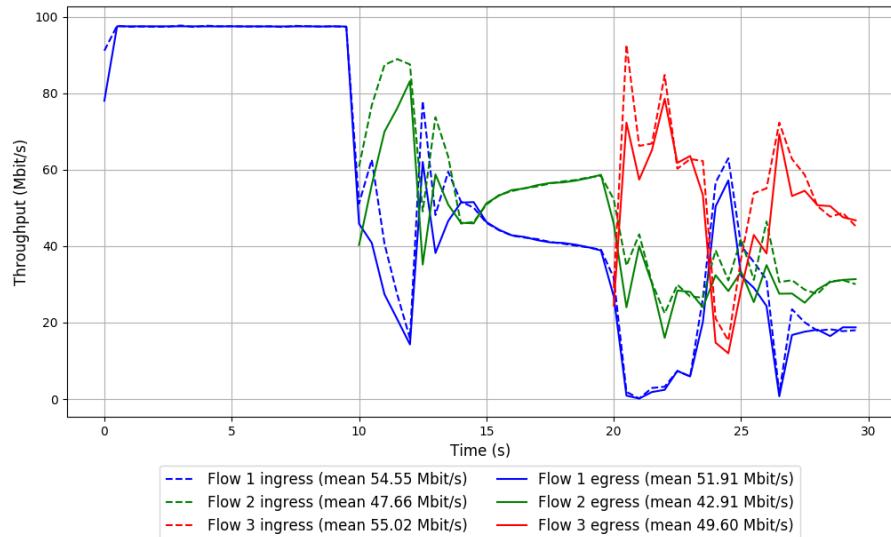


Run 9: Statistics of TCP BBR

```
Start at: 2017-12-12 01:07:53
End at: 2017-12-12 01:08:23
Local clock offset: 5.063 ms
Remote clock offset: -11.751 ms

# Below is generated by plot.py at 2017-12-12 01:58:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.131 ms
Loss rate: 7.23%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 28.897 ms
Loss rate: 4.76%
-- Flow 2:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 30.816 ms
Loss rate: 9.96%
-- Flow 3:
Average throughput: 49.60 Mbit/s
95th percentile per-packet one-way delay: 30.649 ms
Loss rate: 9.85%
```

Run 9: Report of TCP BBR — Data Link

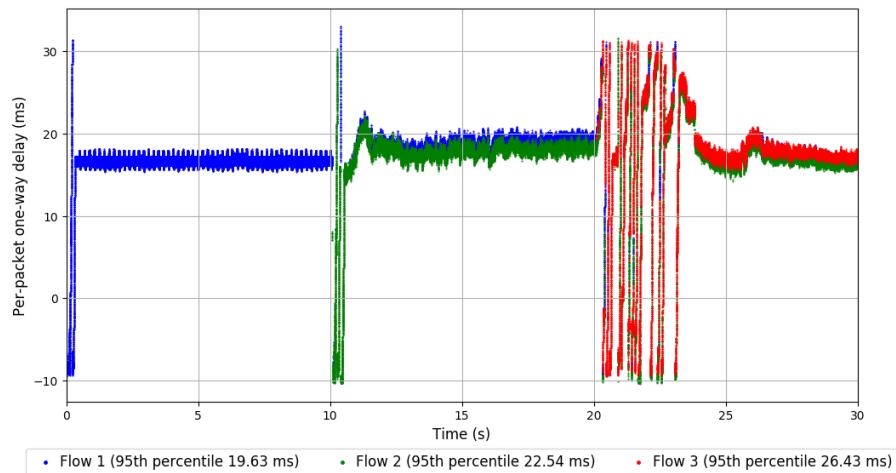
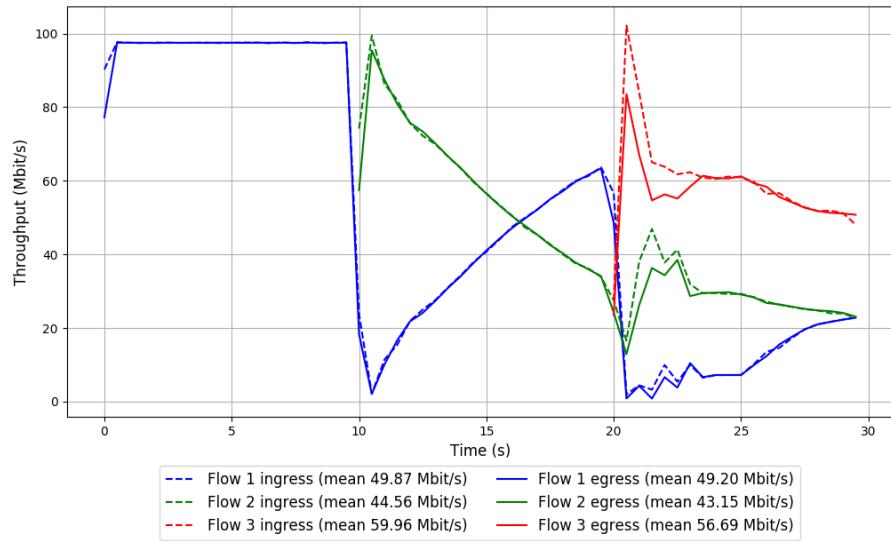


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2017-12-12 01:24:29
End at: 2017-12-12 01:24:59
Local clock offset: 5.667 ms
Remote clock offset: -12.092 ms

# Below is generated by plot.py at 2017-12-12 01:58:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 22.552 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 19.632 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 22.540 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 26.433 ms
Loss rate: 5.48%
```

Run 10: Report of TCP BBR — Data Link

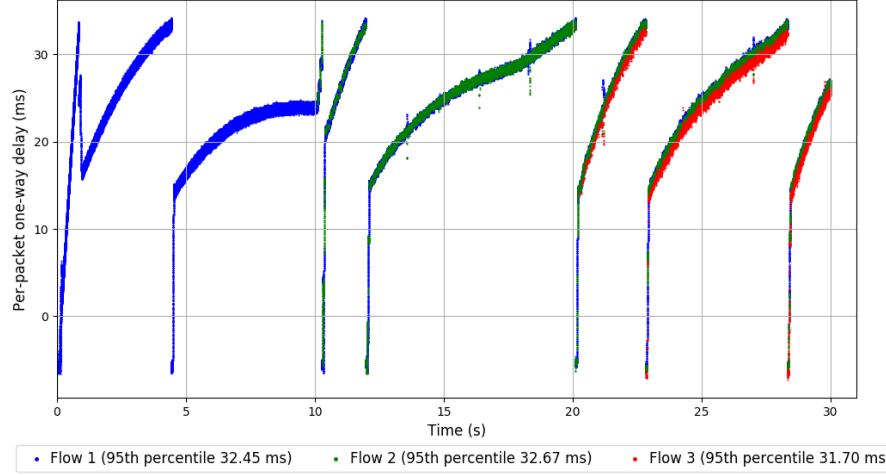
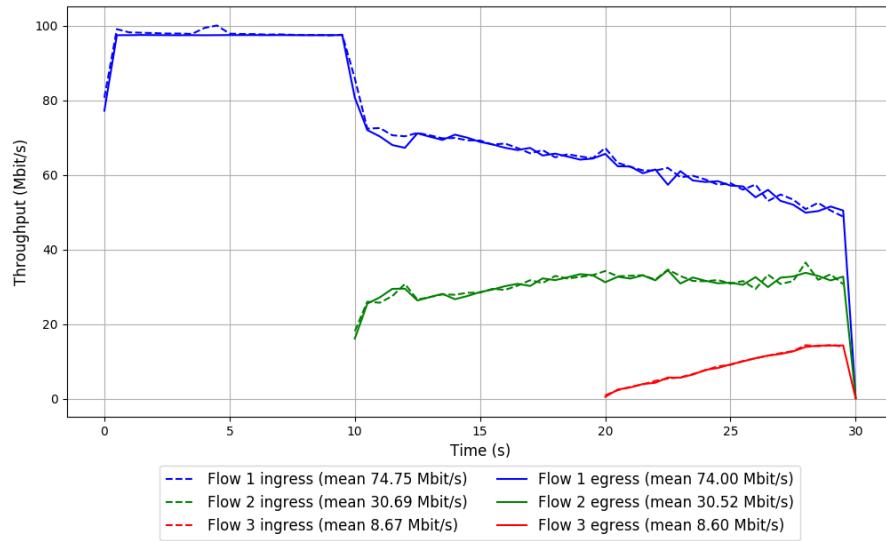


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-12-11 22:52:07
End at: 2017-12-11 22:52:37
Local clock offset: 3.175 ms
Remote clock offset: -14.465 ms

# Below is generated by plot.py at 2017-12-12 01:58:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 32.465 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 32.450 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 32.667 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 31.697 ms
Loss rate: 0.84%
```

Run 1: Report of TCP Cubic — Data Link

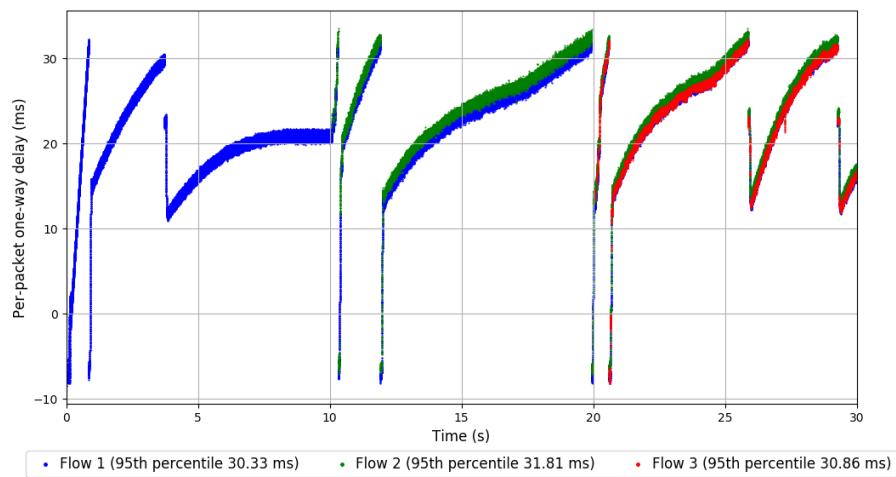
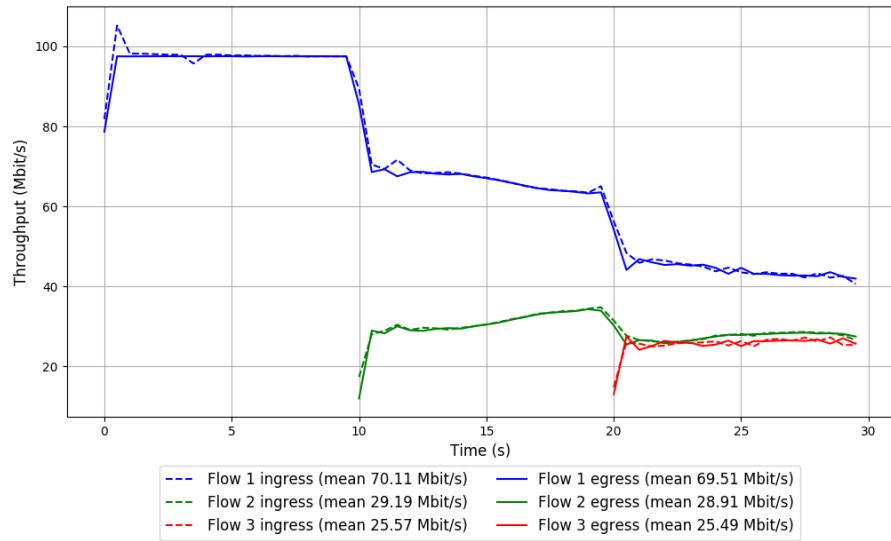


Run 2: Statistics of TCP Cubic

```
Start at: 2017-12-11 23:08:43
End at: 2017-12-11 23:09:13
Local clock offset: 5.159 ms
Remote clock offset: -12.157 ms

# Below is generated by plot.py at 2017-12-12 01:58:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 30.833 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 30.333 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 31.814 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 30.855 ms
Loss rate: 0.29%
```

Run 2: Report of TCP Cubic — Data Link

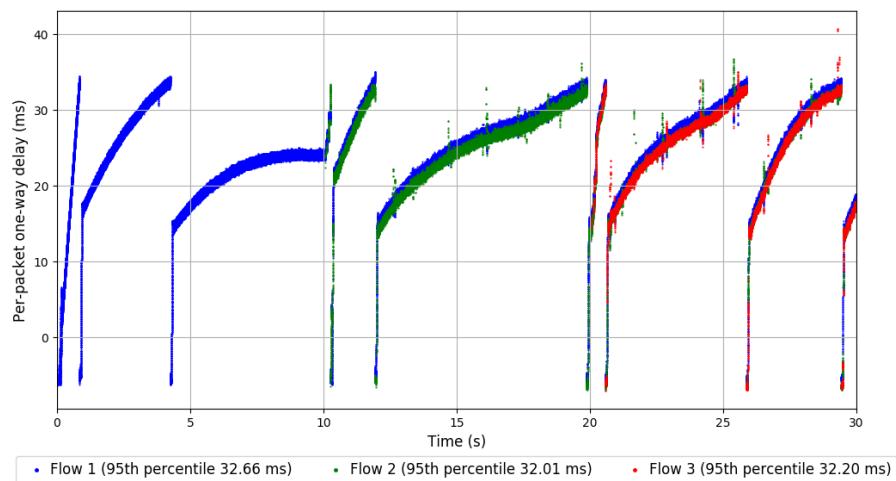
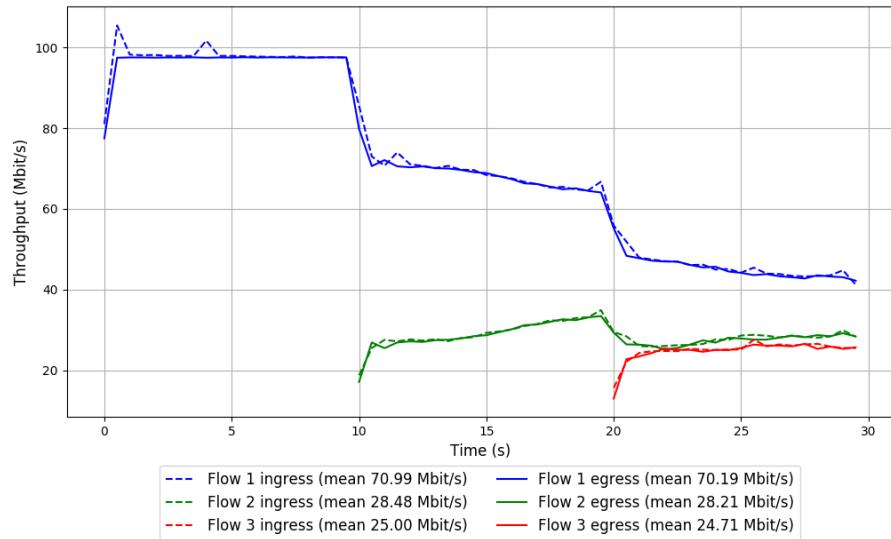


Run 3: Statistics of TCP Cubic

```
Start at: 2017-12-11 23:25:14
End at: 2017-12-11 23:25:44
Local clock offset: 5.321 ms
Remote clock offset: -12.471 ms

# Below is generated by plot.py at 2017-12-12 01:58:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.476 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 70.19 Mbit/s
95th percentile per-packet one-way delay: 32.661 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 32.204 ms
Loss rate: 1.12%
```

Run 3: Report of TCP Cubic — Data Link

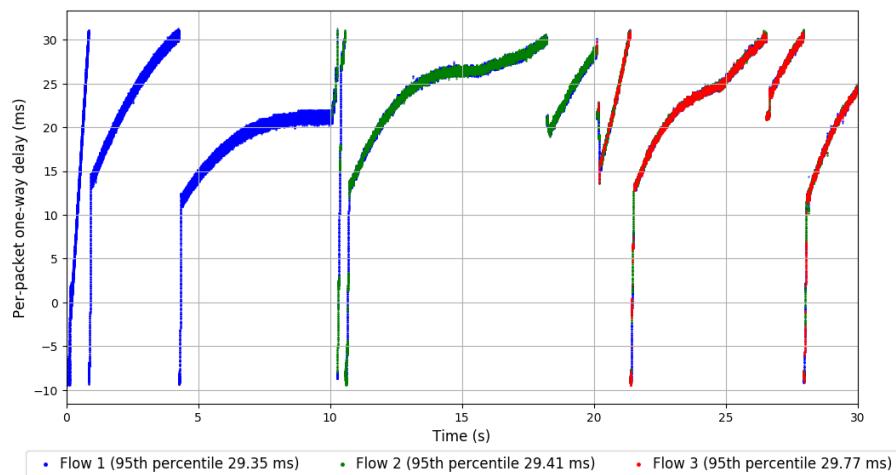
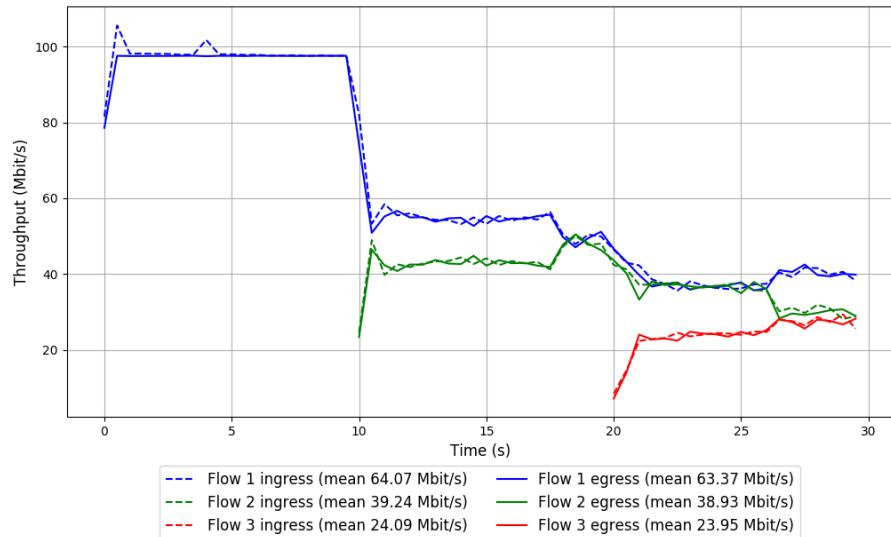


Run 4: Statistics of TCP Cubic

```
Start at: 2017-12-11 23:41:37
End at: 2017-12-11 23:42:07
Local clock offset: 4.878 ms
Remote clock offset: -15.12 ms

# Below is generated by plot.py at 2017-12-12 01:58:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 29.395 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 29.353 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 29.407 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 29.768 ms
Loss rate: 0.61%
```

Run 4: Report of TCP Cubic — Data Link

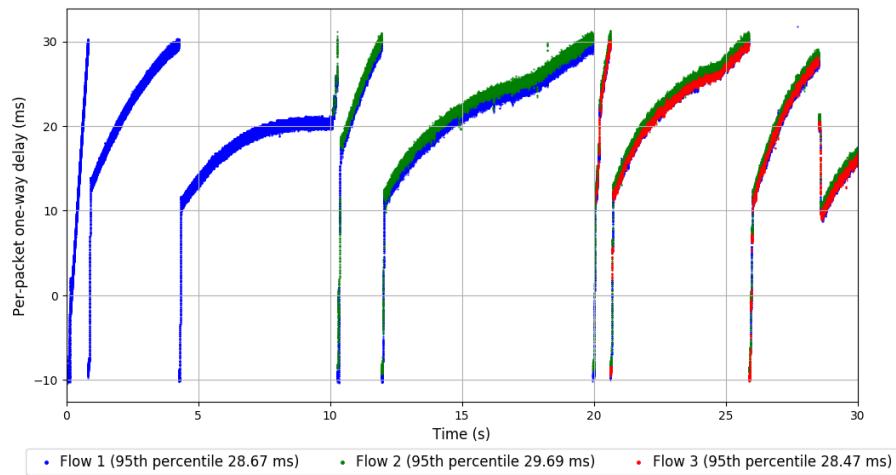
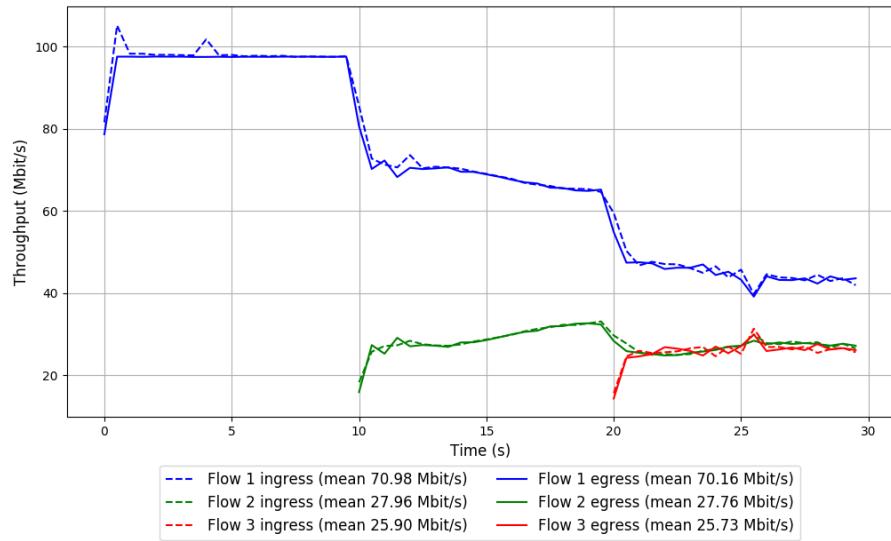


Run 5: Statistics of TCP Cubic

```
Start at: 2017-12-11 23:58:06
End at: 2017-12-11 23:58:36
Local clock offset: 5.952 ms
Remote clock offset: -14.446 ms

# Below is generated by plot.py at 2017-12-12 01:58:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 28.864 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 28.669 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 29.688 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 28.469 ms
Loss rate: 0.46%
```

Run 5: Report of TCP Cubic — Data Link

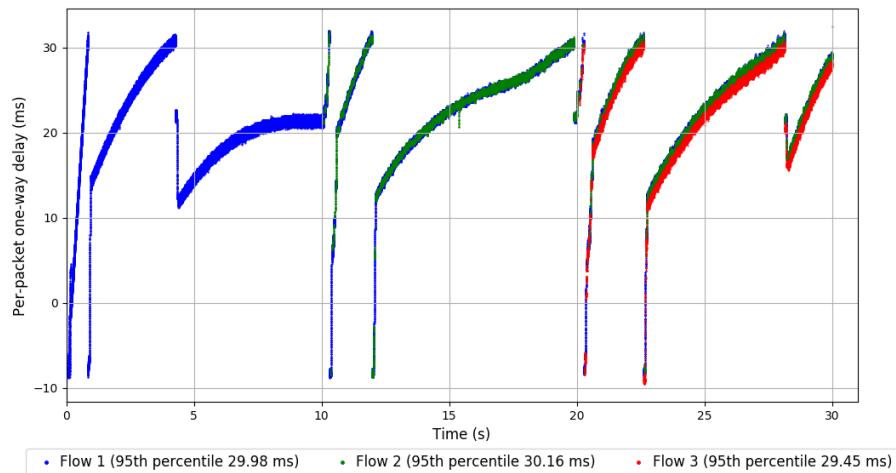
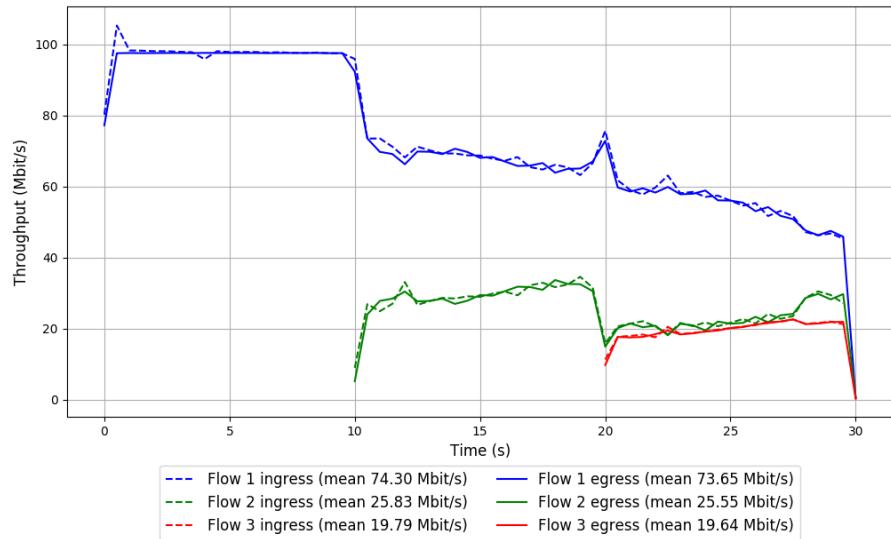


Run 6: Statistics of TCP Cubic

```
Start at: 2017-12-12 00:14:46
End at: 2017-12-12 00:15:16
Local clock offset: 4.528 ms
Remote clock offset: -15.285 ms

# Below is generated by plot.py at 2017-12-12 01:58:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 29.982 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 29.985 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 30.162 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 29.445 ms
Loss rate: 0.74%
```

Run 6: Report of TCP Cubic — Data Link

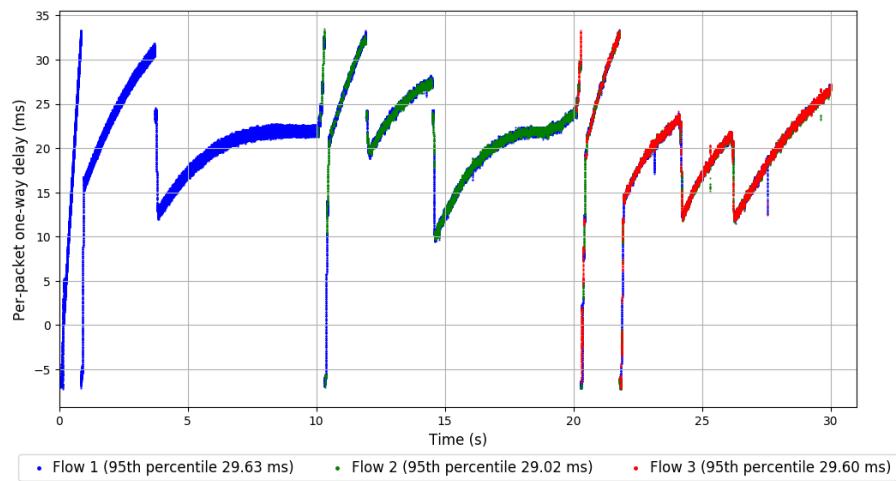
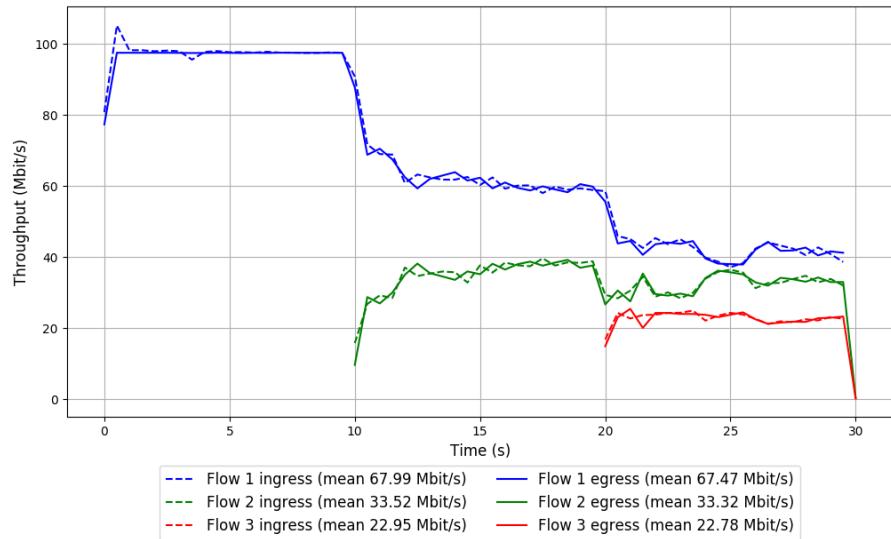


Run 7: Statistics of TCP Cubic

```
Start at: 2017-12-12 00:31:14
End at: 2017-12-12 00:31:44
Local clock offset: 3.988 ms
Remote clock offset: -13.682 ms

# Below is generated by plot.py at 2017-12-12 02:00:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 29.549 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 67.47 Mbit/s
95th percentile per-packet one-way delay: 29.630 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 29.018 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 29.602 ms
Loss rate: 0.73%
```

Run 7: Report of TCP Cubic — Data Link

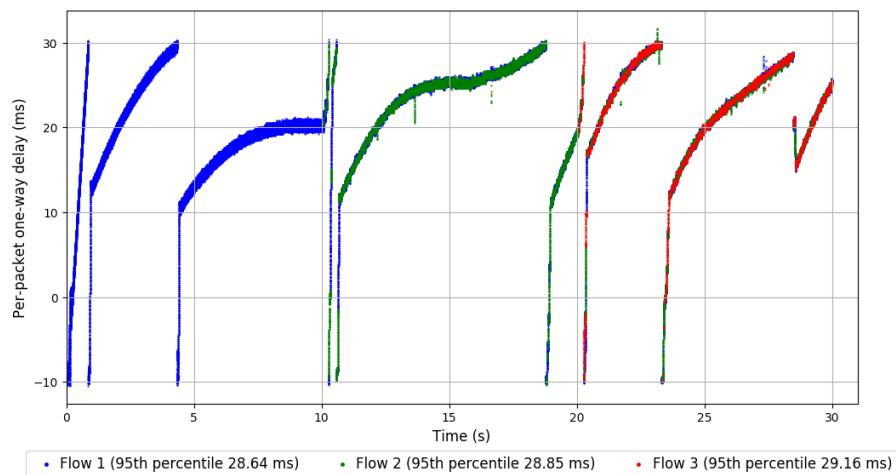
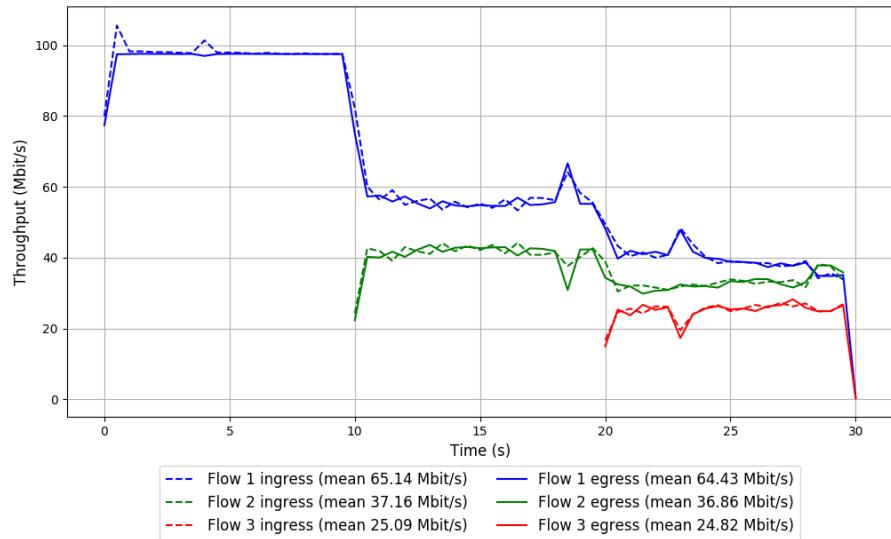


Run 8: Statistics of TCP Cubic

```
Start at: 2017-12-12 00:47:45
End at: 2017-12-12 00:48:15
Local clock offset: 8.012 ms
Remote clock offset: -12.537 ms

# Below is generated by plot.py at 2017-12-12 02:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 28.772 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 28.637 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 28.849 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 29.159 ms
Loss rate: 1.01%
```

Run 8: Report of TCP Cubic — Data Link

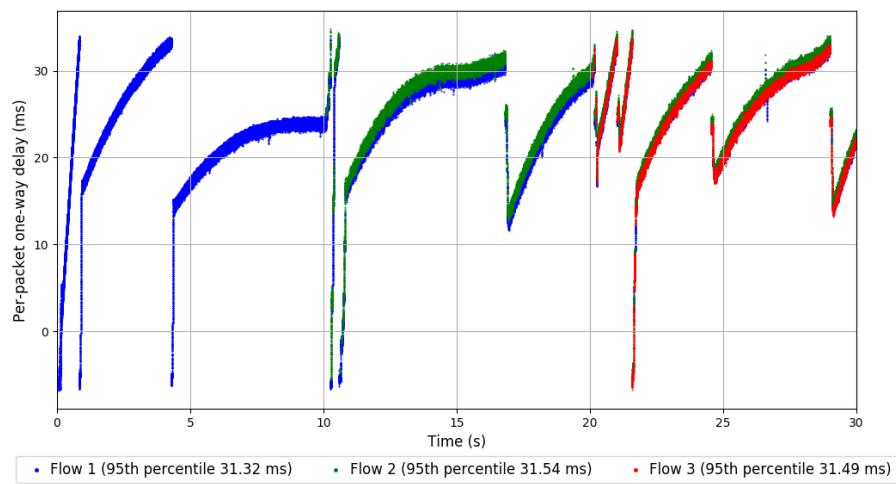
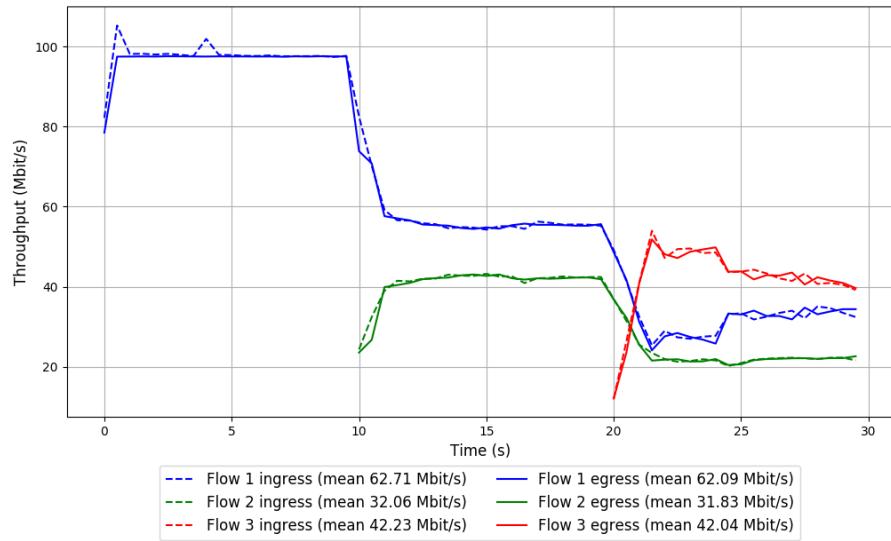


Run 9: Statistics of TCP Cubic

```
Start at: 2017-12-12 01:04:23
End at: 2017-12-12 01:04:53
Local clock offset: 4.576 ms
Remote clock offset: -11.27 ms

# Below is generated by plot.py at 2017-12-12 02:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 31.444 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 62.09 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 31.542 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 31.489 ms
Loss rate: 0.54%
```

Run 9: Report of TCP Cubic — Data Link

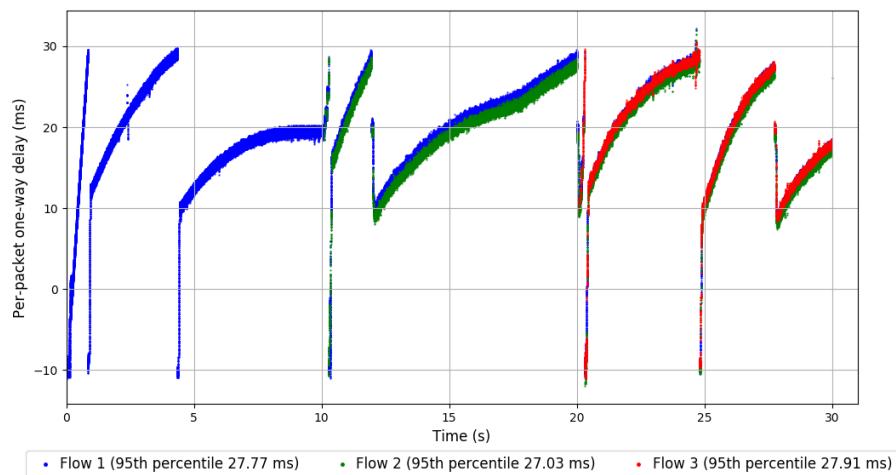
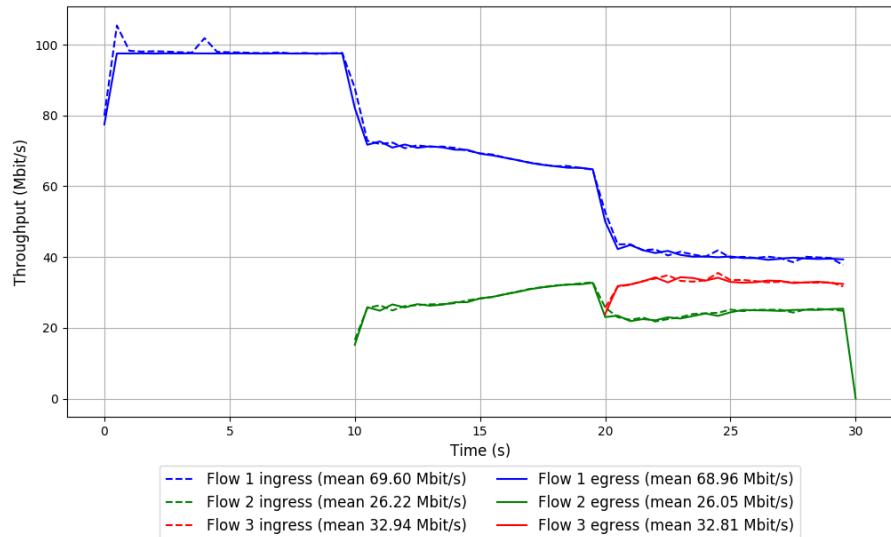


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-12-12 01:20:58
End at: 2017-12-12 01:21:28
Local clock offset: 7.44 ms
Remote clock offset: -12.386 ms

# Below is generated by plot.py at 2017-12-12 02:00:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 68.96 Mbit/s
95th percentile per-packet one-way delay: 27.768 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 27.027 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 27.915 ms
Loss rate: 0.44%
```

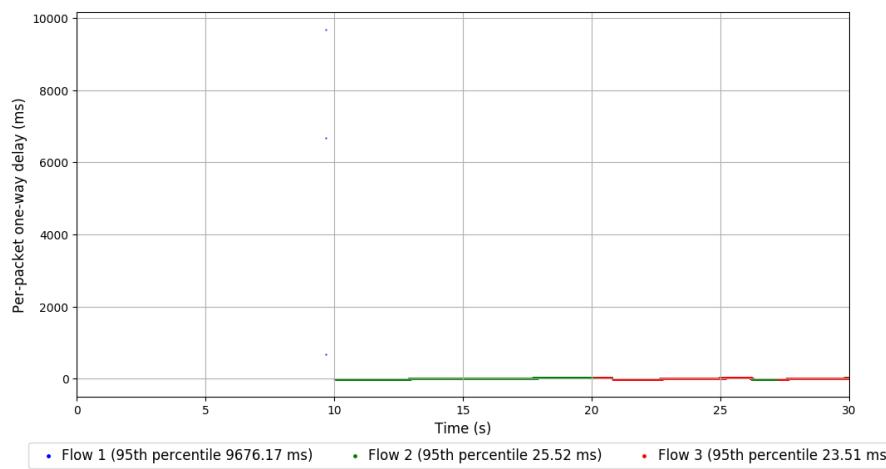
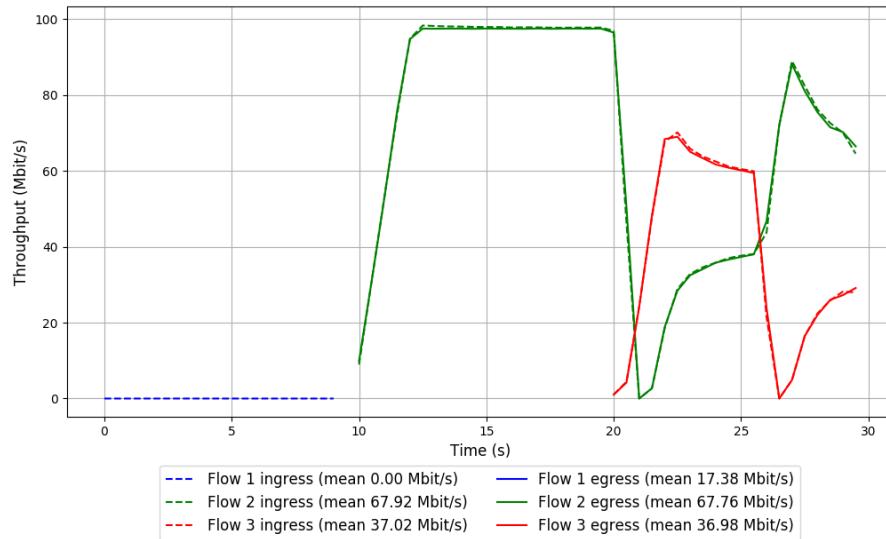
Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

Start at: 2017-12-11 23:00:15
End at: 2017-12-11 23:00:45
Local clock offset: 5.787 ms
Remote clock offset: -15.026 ms

Run 1: Report of LEDBAT — Data Link

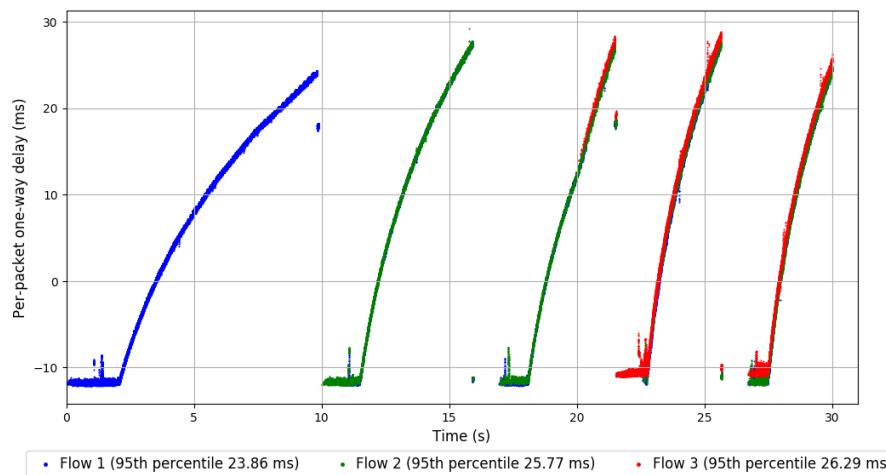
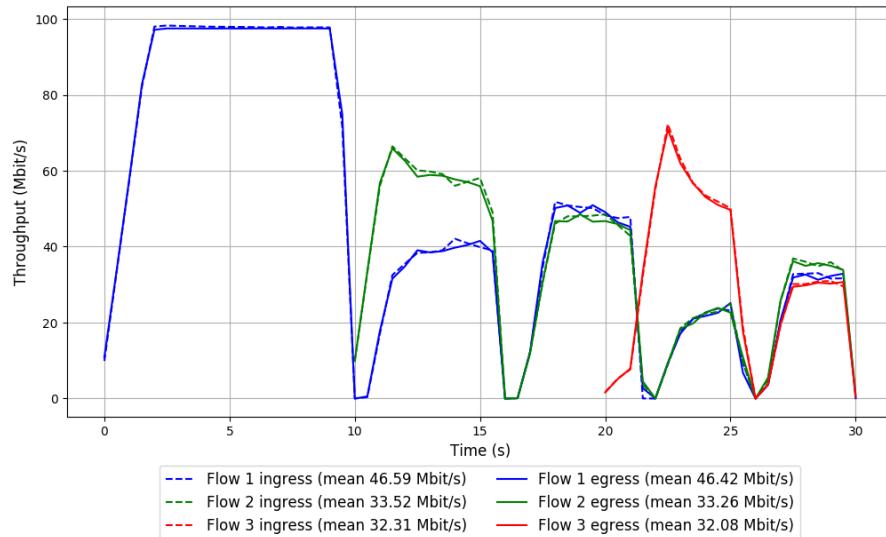


Run 2: Statistics of LEDBAT

```
Start at: 2017-12-11 23:16:52
End at: 2017-12-11 23:17:22
Local clock offset: 6.433 ms
Remote clock offset: -15.415 ms

# Below is generated by plot.py at 2017-12-12 02:00:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 24.850 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 23.857 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 25.771 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 26.290 ms
Loss rate: 0.61%
```

Run 2: Report of LEDBAT — Data Link

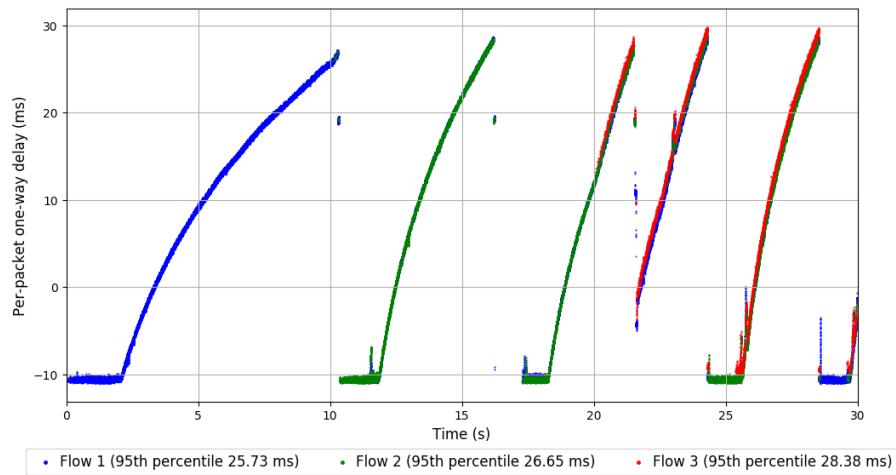
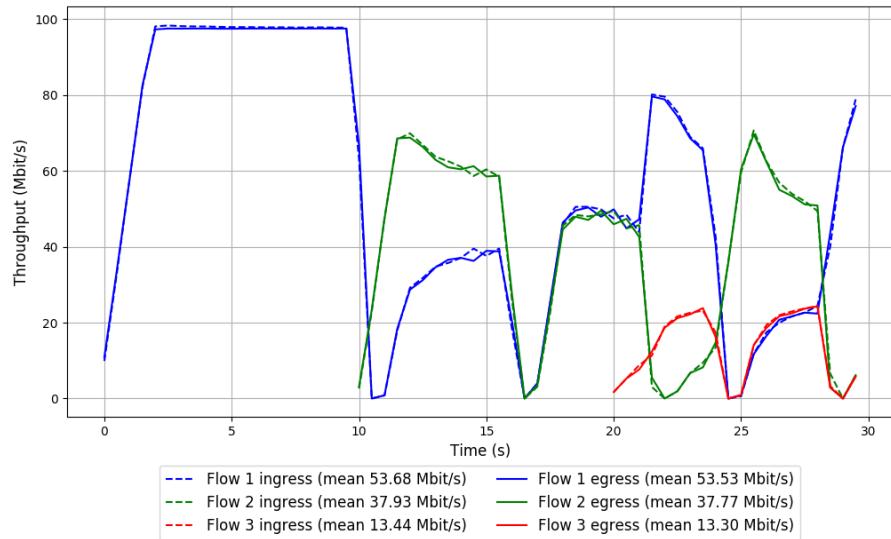


Run 3: Statistics of LEDBAT

```
Start at: 2017-12-11 23:33:21
End at: 2017-12-11 23:38:51
Local clock offset: 5.398 ms
Remote clock offset: -16.273 ms

# Below is generated by plot.py at 2017-12-12 02:00:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.02 Mbit/s
95th percentile per-packet one-way delay: 26.213 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 25.726 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 26.651 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 28.382 ms
Loss rate: 1.46%
```

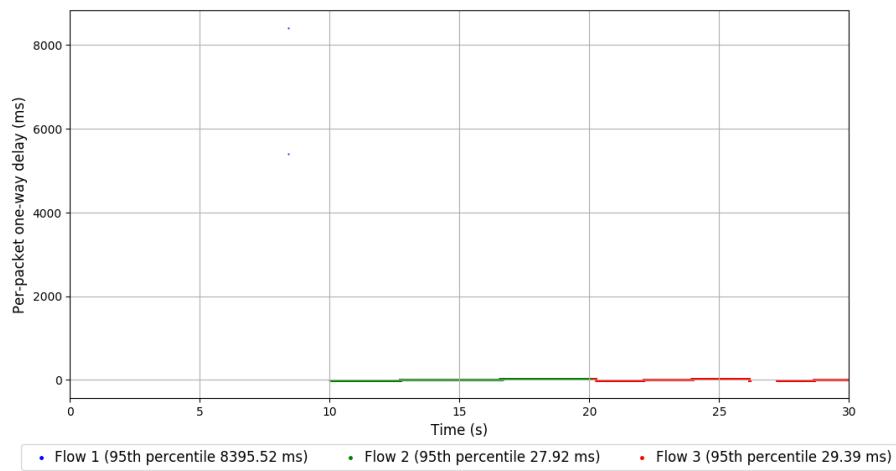
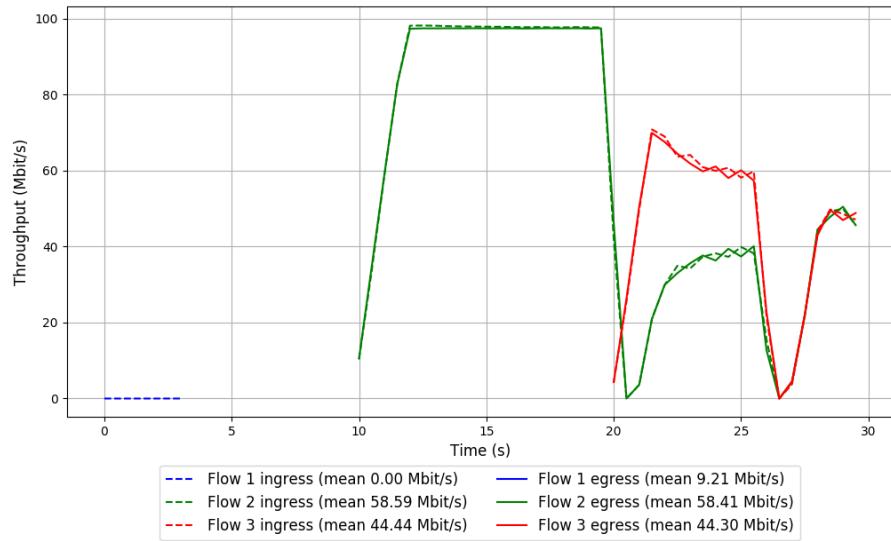
Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-11 23:49:44
End at: 2017-12-11 23:50:14
Local clock offset: 5.49 ms
Remote clock offset: -13.055 ms

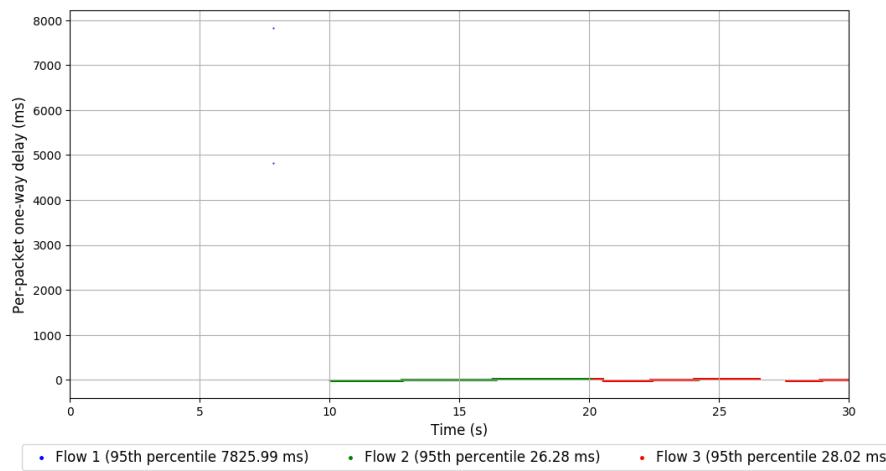
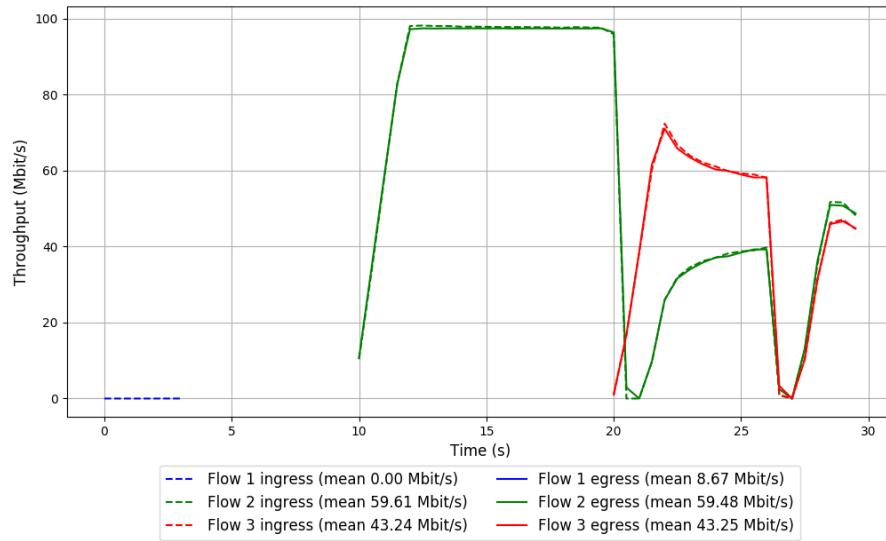
Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-12-12 00:06:24
End at: 2017-12-12 00:06:54
Local clock offset: 6.205 ms
Remote clock offset: -14.549 ms

Run 5: Report of LEDBAT — Data Link

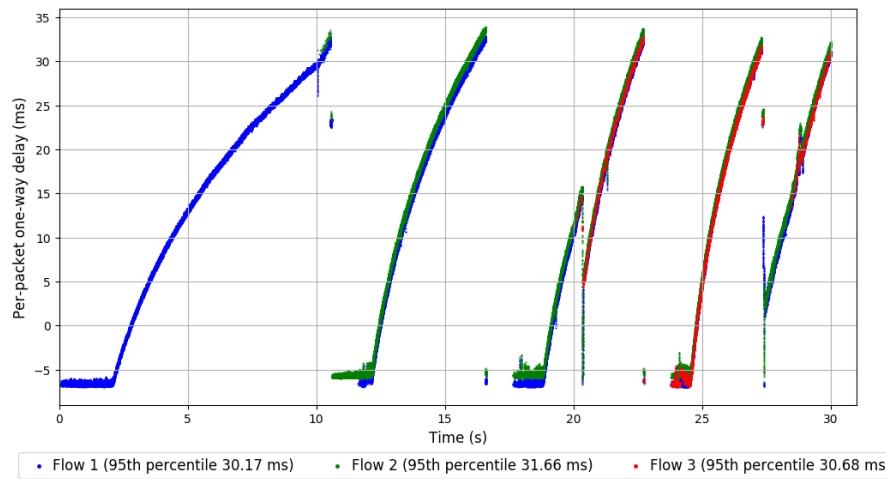
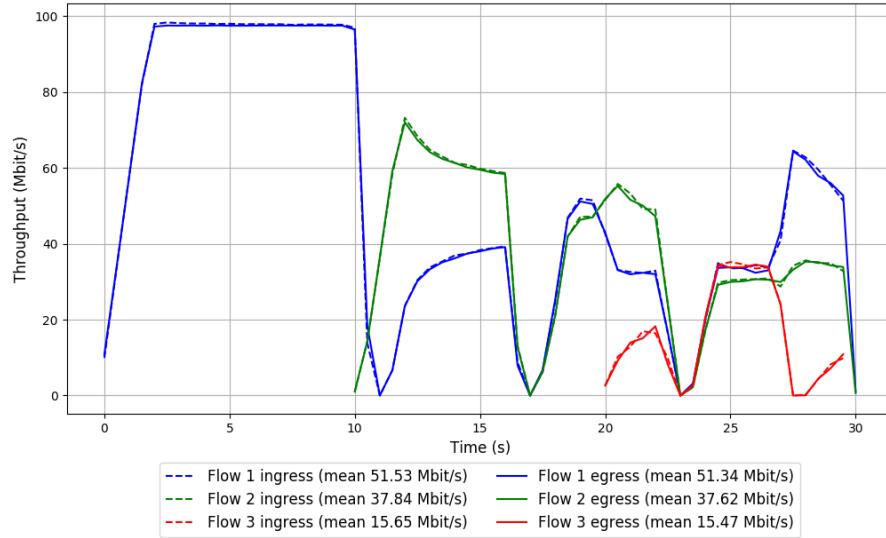


Run 6: Statistics of LEDBAT

```
Start at: 2017-12-12 00:22:54
End at: 2017-12-12 00:23:24
Local clock offset: 3.827 ms
Remote clock offset: -12.596 ms

# Below is generated by plot.py at 2017-12-12 02:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 30.172 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 31.663 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 30.679 ms
Loss rate: 0.92%
```

Run 6: Report of LEDBAT — Data Link

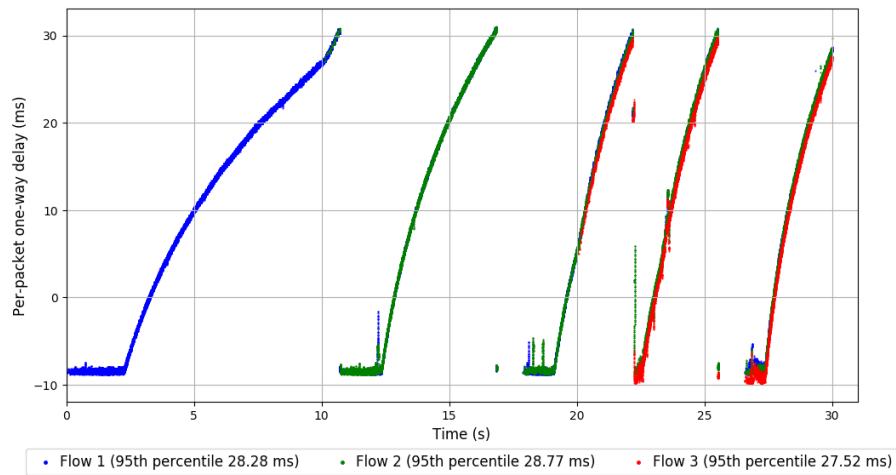
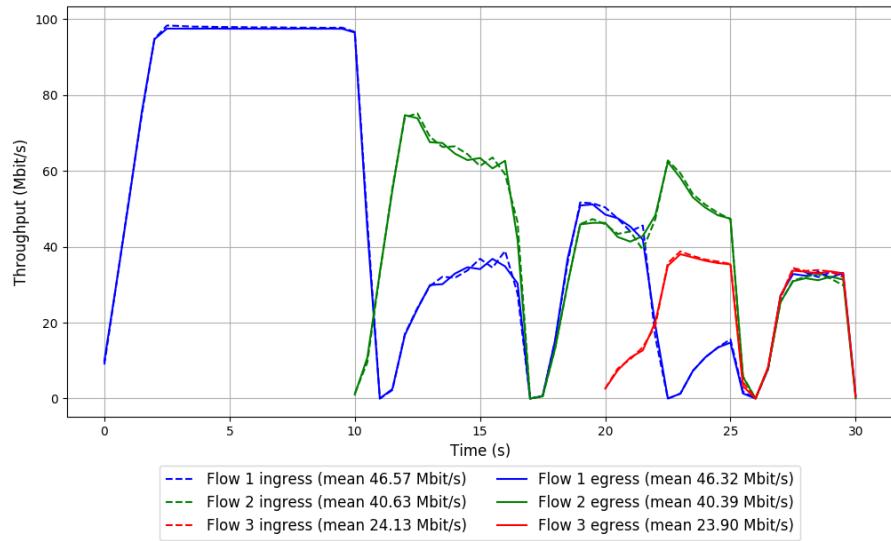


Run 7: Statistics of LEDBAT

```
Start at: 2017-12-12 00:39:23
End at: 2017-12-12 00:39:53
Local clock offset: 6.05 ms
Remote clock offset: -12.698 ms

# Below is generated by plot.py at 2017-12-12 02:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.13 Mbit/s
95th percentile per-packet one-way delay: 28.482 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 28.276 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 28.773 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 27.521 ms
Loss rate: 0.74%
```

Run 7: Report of LEDBAT — Data Link

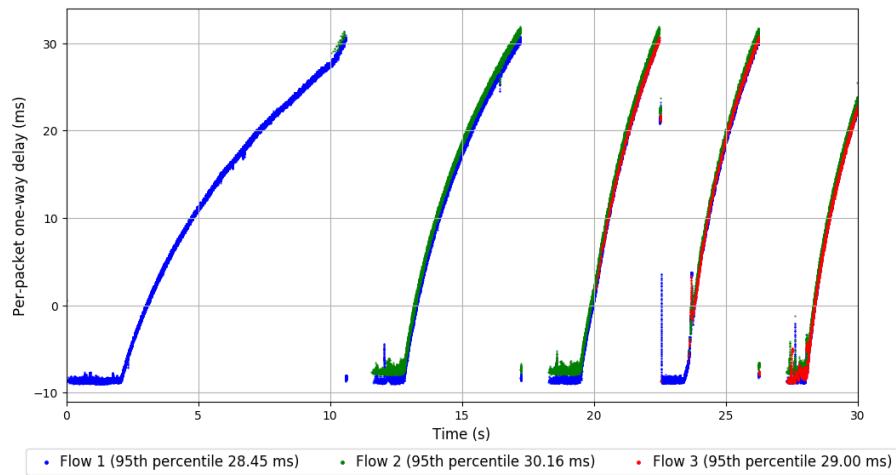
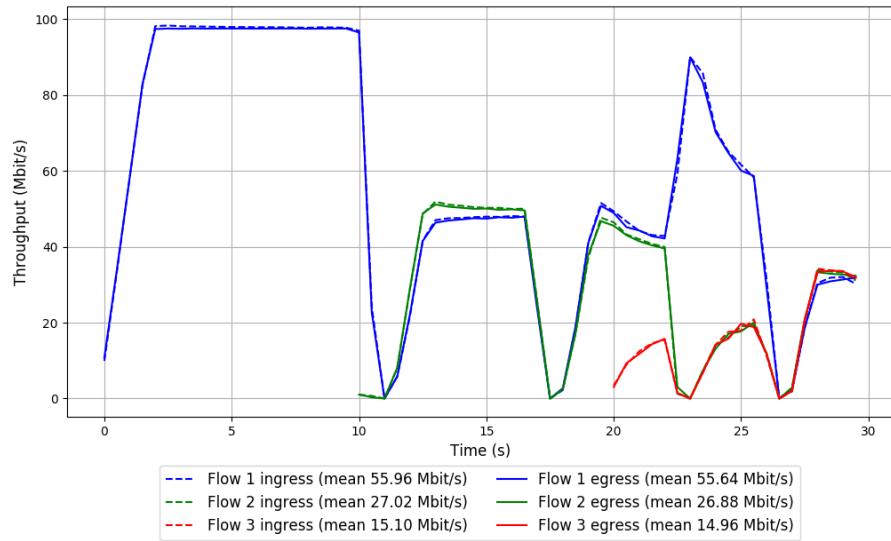


Run 8: Statistics of LEDBAT

```
Start at: 2017-12-12 00:55:54
End at: 2017-12-12 00:56:24
Local clock offset: 5.786 ms
Remote clock offset: -11.979 ms

# Below is generated by plot.py at 2017-12-12 02:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.48 Mbit/s
95th percentile per-packet one-way delay: 28.952 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 28.445 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 30.161 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 29.000 ms
Loss rate: 0.73%
```

Run 8: Report of LEDBAT — Data Link

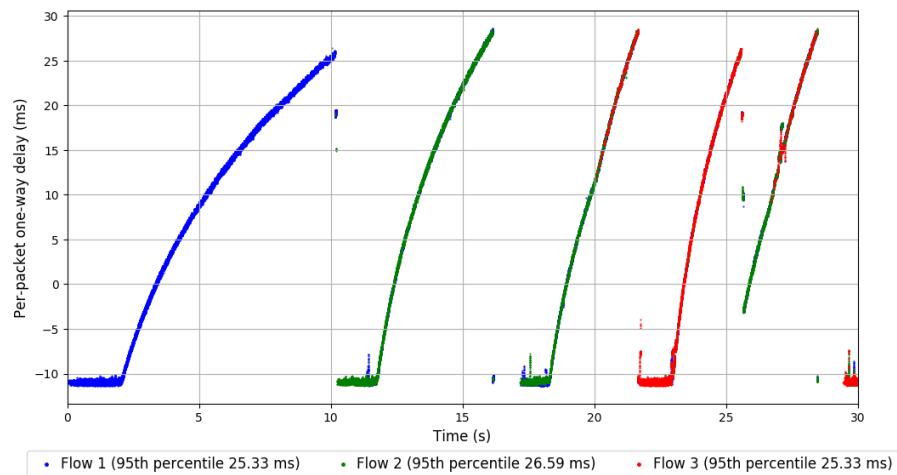
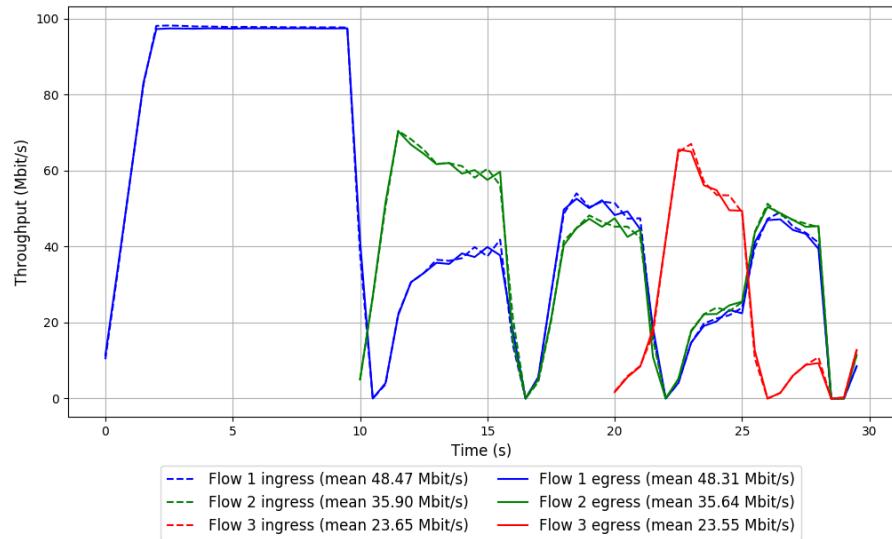


Run 9: Statistics of LEDBAT

```
Start at: 2017-12-12 01:12:31
End at: 2017-12-12 01:13:01
Local clock offset: 7.335 ms
Remote clock offset: -12.783 ms

# Below is generated by plot.py at 2017-12-12 02:01:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 25.612 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 25.332 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 26.591 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 25.328 ms
Loss rate: 0.68%
```

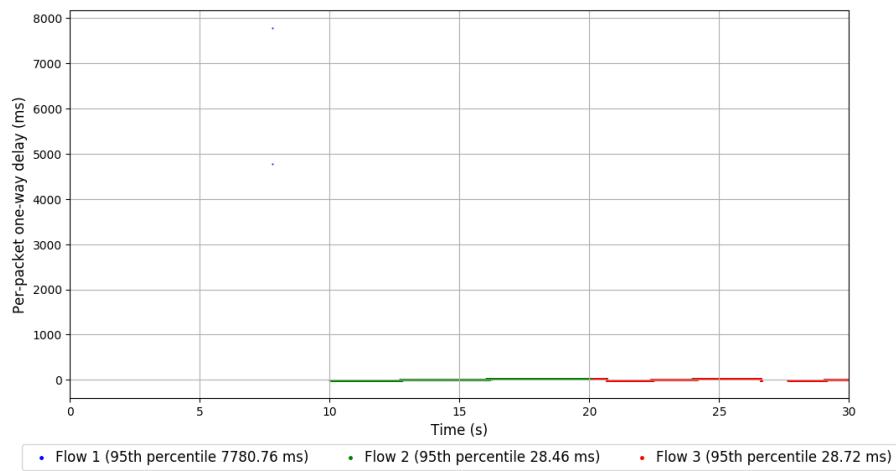
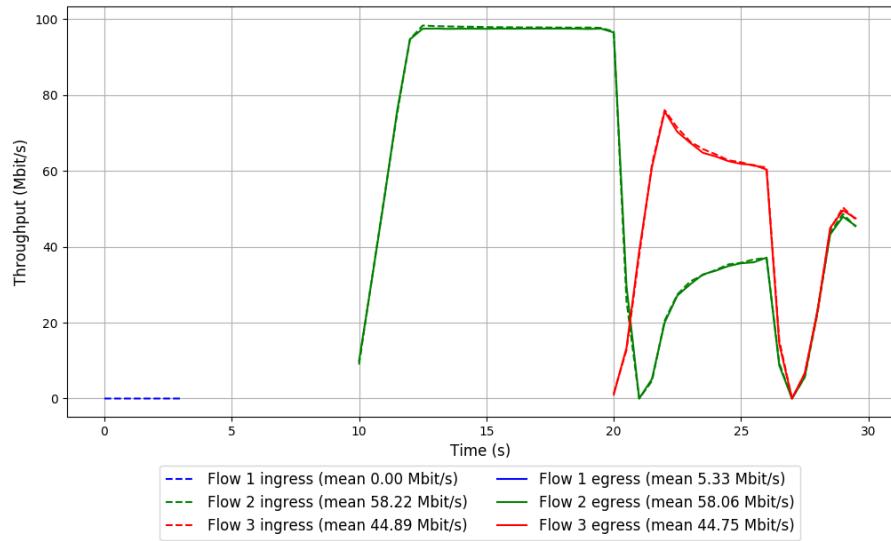
Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-12-12 01:29:06
End at: 2017-12-12 01:29:36
Local clock offset: 3.898 ms
Remote clock offset: -12.217 ms

Run 10: Report of LEDBAT — Data Link

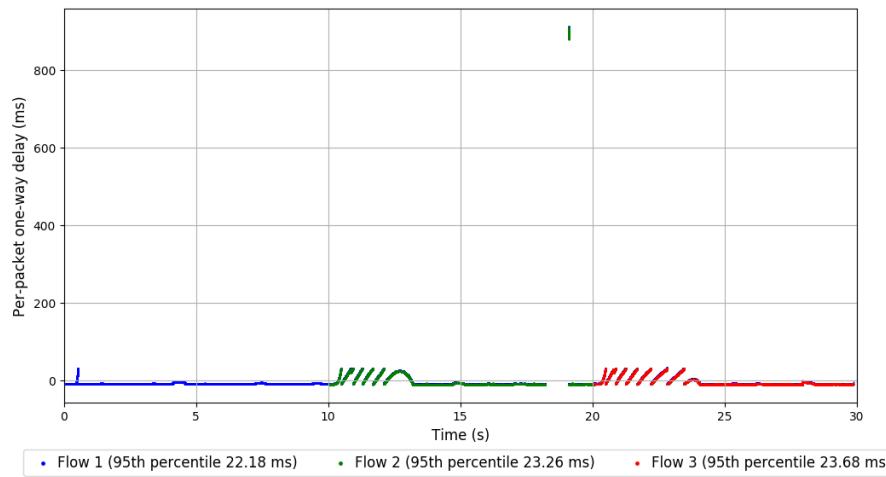
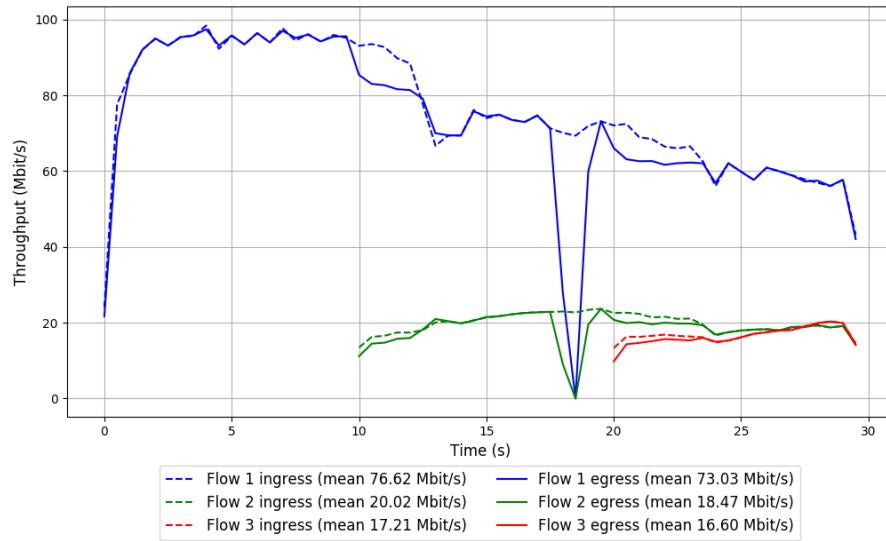


Run 1: Statistics of PCC

```
Start at: 2017-12-11 22:56:48
End at: 2017-12-11 22:57:18
Local clock offset: 6.051 ms
Remote clock offset: -14.793 ms

# Below is generated by plot.py at 2017-12-12 02:01:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: 22.489 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 22.175 ms
Loss rate: 4.68%
-- Flow 2:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 23.264 ms
Loss rate: 7.71%
-- Flow 3:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 23.677 ms
Loss rate: 3.55%
```

Run 1: Report of PCC — Data Link

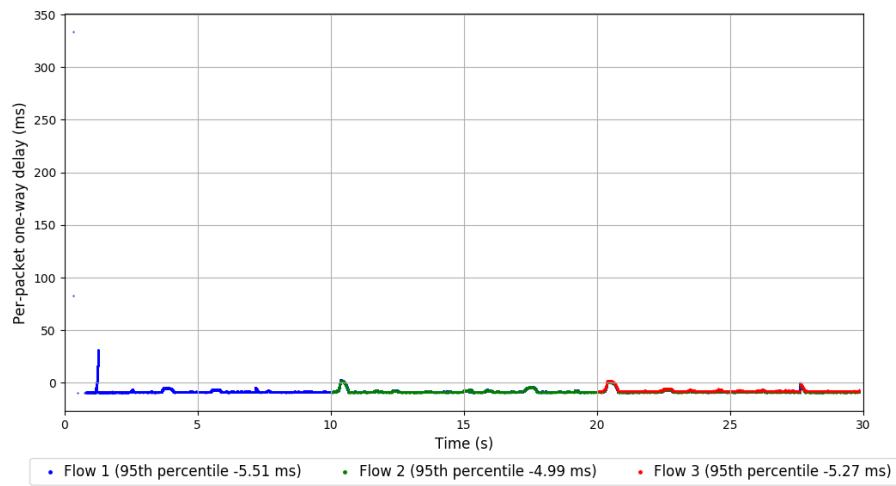
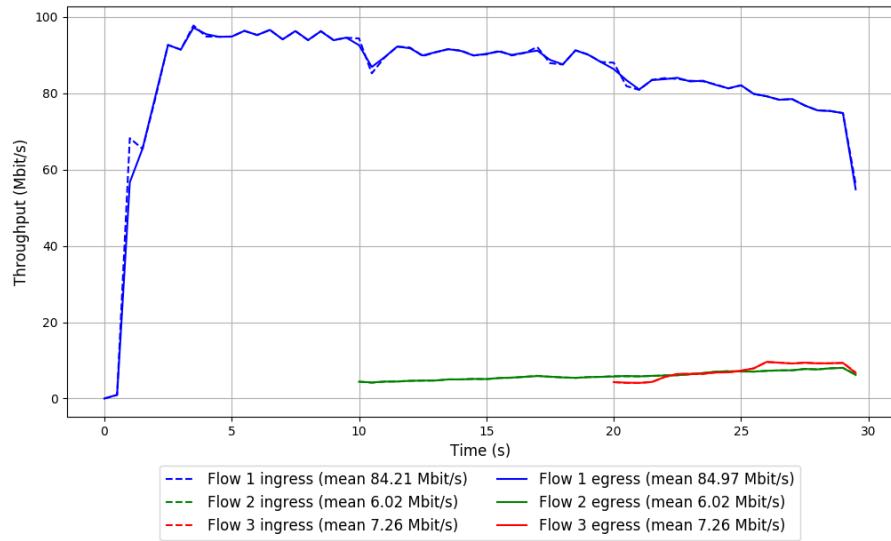


Run 2: Statistics of PCC

```
Start at: 2017-12-11 23:13:24
End at: 2017-12-11 23:13:54
Local clock offset: 4.536 ms
Remote clock offset: -14.431 ms

# Below is generated by plot.py at 2017-12-12 02:01:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: -5.490 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: -5.507 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: -4.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: -5.271 ms
Loss rate: 0.00%
```

Run 2: Report of PCC — Data Link

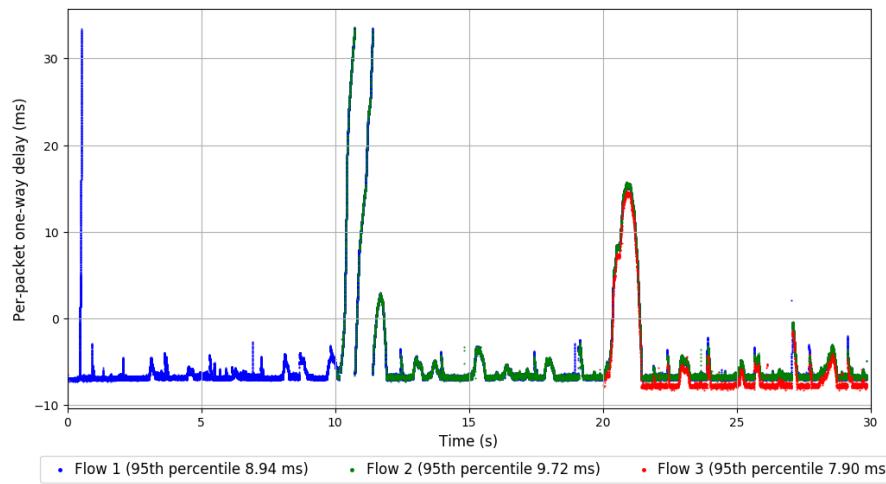
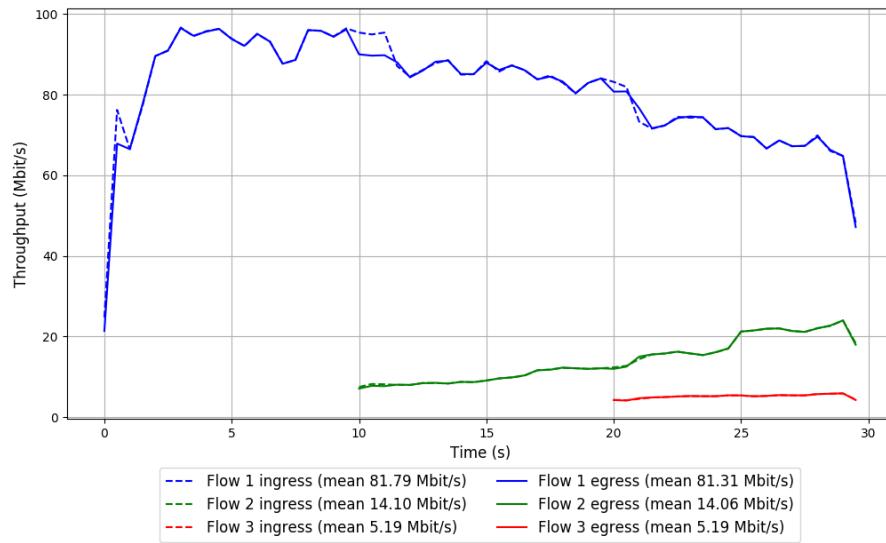


Run 3: Statistics of PCC

```
Start at: 2017-12-11 23:29:53
End at: 2017-12-11 23:30:23
Local clock offset: 3.293 ms
Remote clock offset: -15.51 ms

# Below is generated by plot.py at 2017-12-12 02:01:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 8.987 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 8.936 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 9.718 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 7.902 ms
Loss rate: 0.00%
```

Run 3: Report of PCC — Data Link

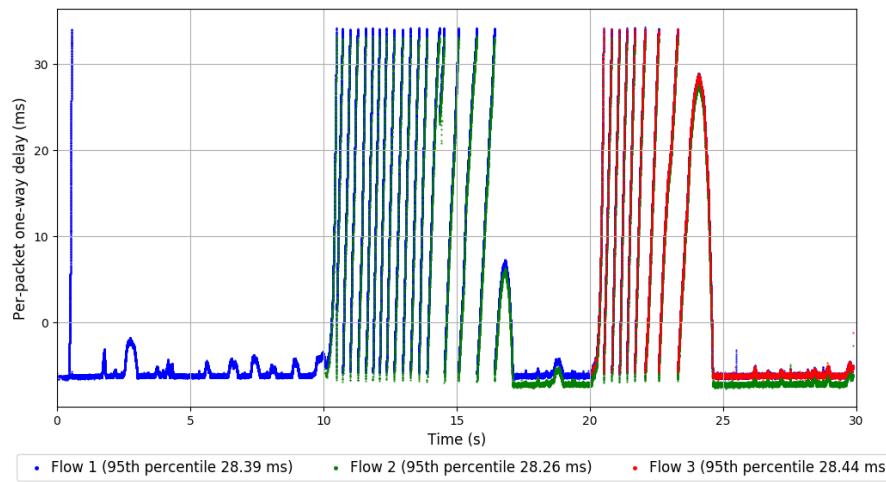
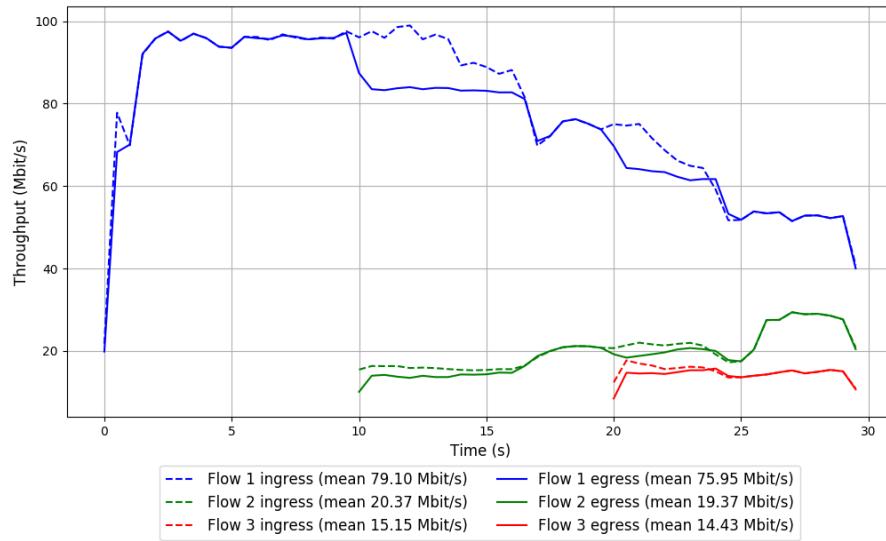


Run 4: Statistics of PCC

```
Start at: 2017-12-11 23:46:16
End at: 2017-12-11 23:46:46
Local clock offset: 3.671 ms
Remote clock offset: -14.375 ms

# Below is generated by plot.py at 2017-12-12 02:02:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 28.379 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 28.388 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 28.260 ms
Loss rate: 4.92%
-- Flow 3:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 28.441 ms
Loss rate: 4.71%
```

Run 4: Report of PCC — Data Link

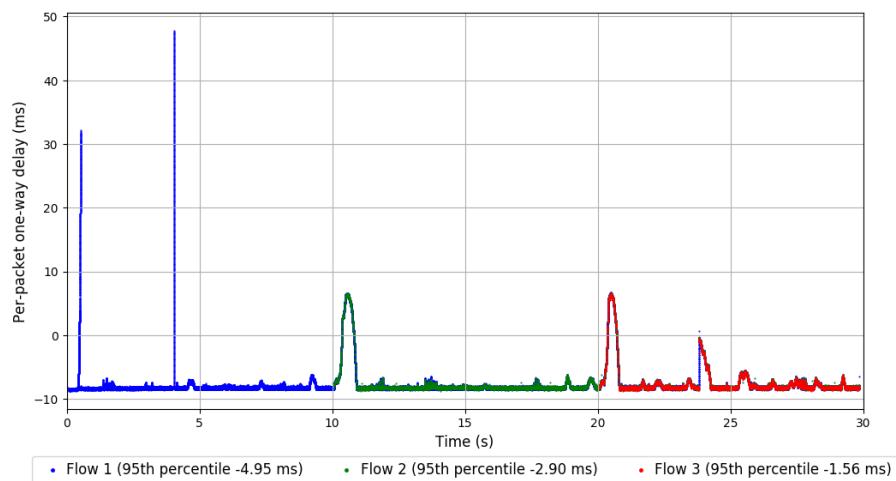
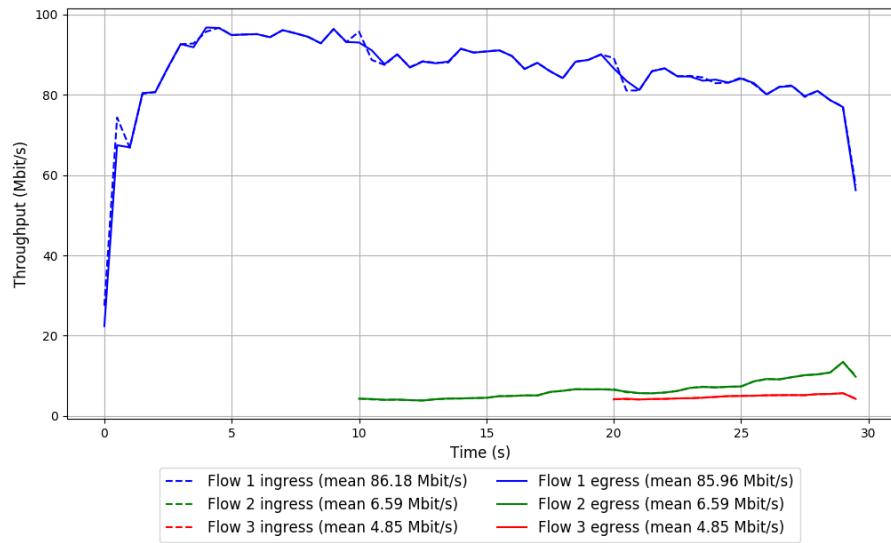


Run 5: Statistics of PCC

```
Start at: 2017-12-12 00:02:55
End at: 2017-12-12 00:03:25
Local clock offset: 4.15 ms
Remote clock offset: -14.654 ms

# Below is generated by plot.py at 2017-12-12 02:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: -4.768 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 85.96 Mbit/s
95th percentile per-packet one-way delay: -4.953 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: -2.901 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: -1.556 ms
Loss rate: 0.00%
```

Run 5: Report of PCC — Data Link

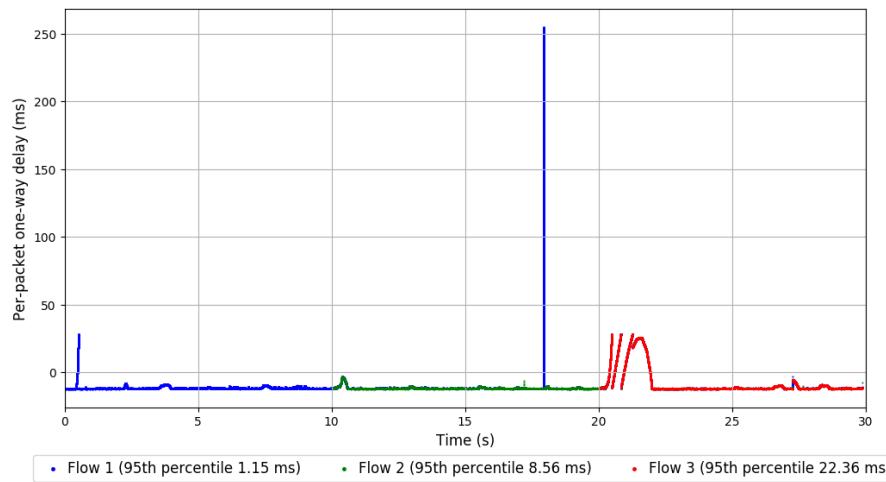
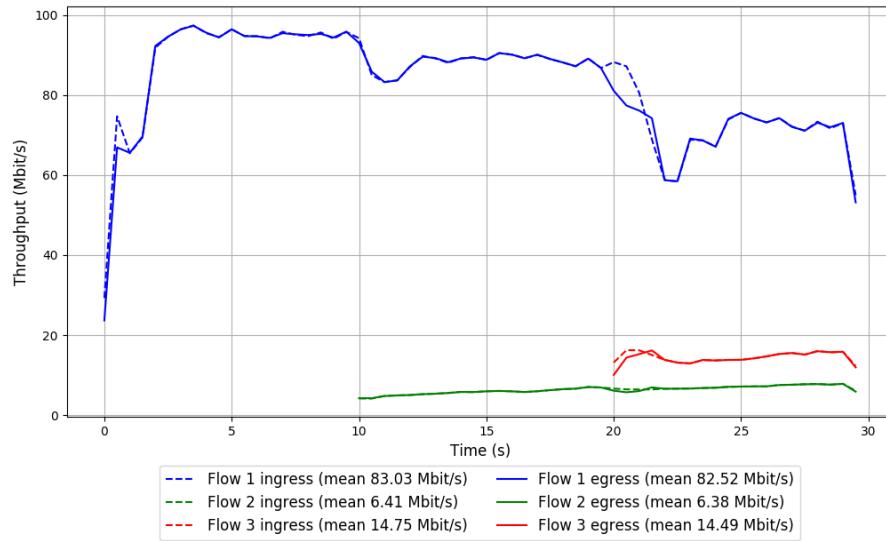


Run 6: Statistics of PCC

```
Start at: 2017-12-12 00:19:27
End at: 2017-12-12 00:19:57
Local clock offset: 7.582 ms
Remote clock offset: -14.527 ms

# Below is generated by plot.py at 2017-12-12 02:02:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 5.903 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 8.559 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 22.358 ms
Loss rate: 1.76%
```

Run 6: Report of PCC — Data Link

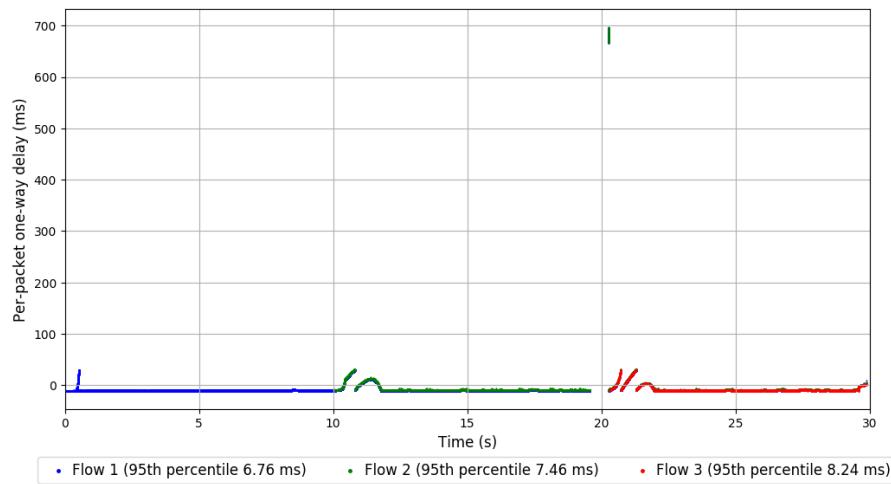
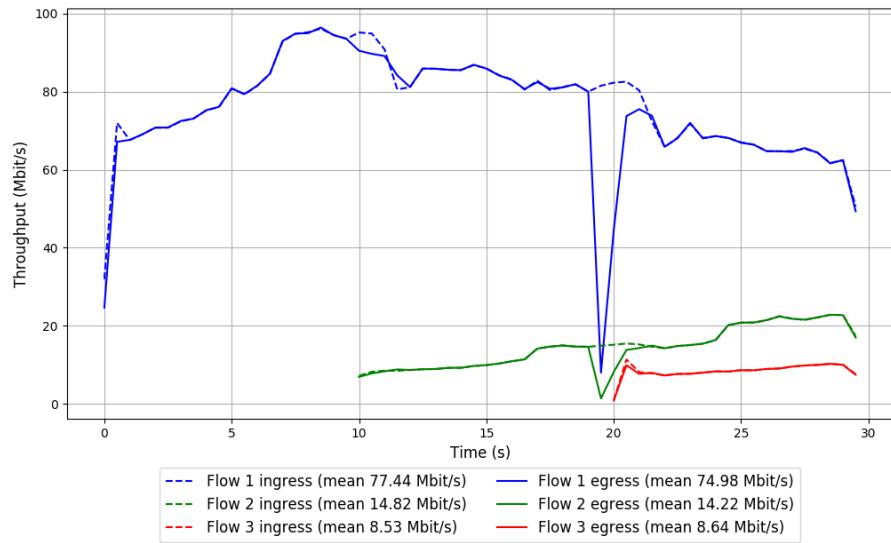


Run 7: Statistics of PCC

```
Start at: 2017-12-12 00:35:54
End at: 2017-12-12 00:36:24
Local clock offset: 7.002 ms
Remote clock offset: -12.75 ms

# Below is generated by plot.py at 2017-12-12 02:02:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 6.906 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: 6.762 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 7.464 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 8.237 ms
Loss rate: 1.14%
```

Run 7: Report of PCC — Data Link

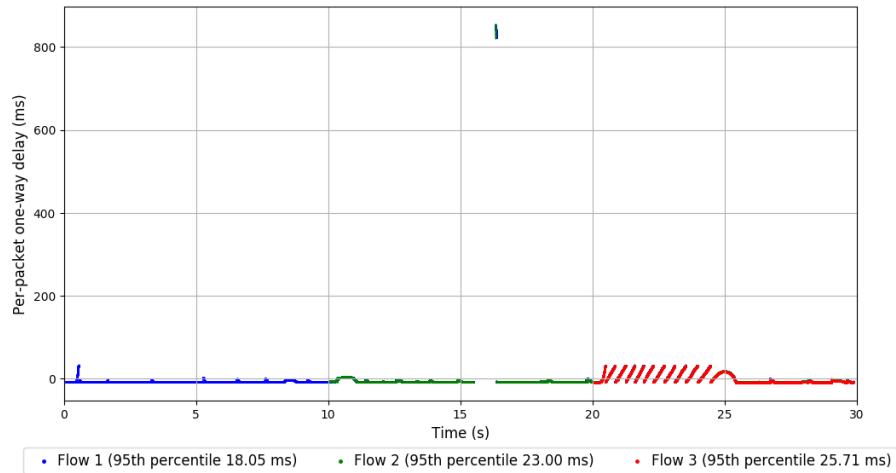
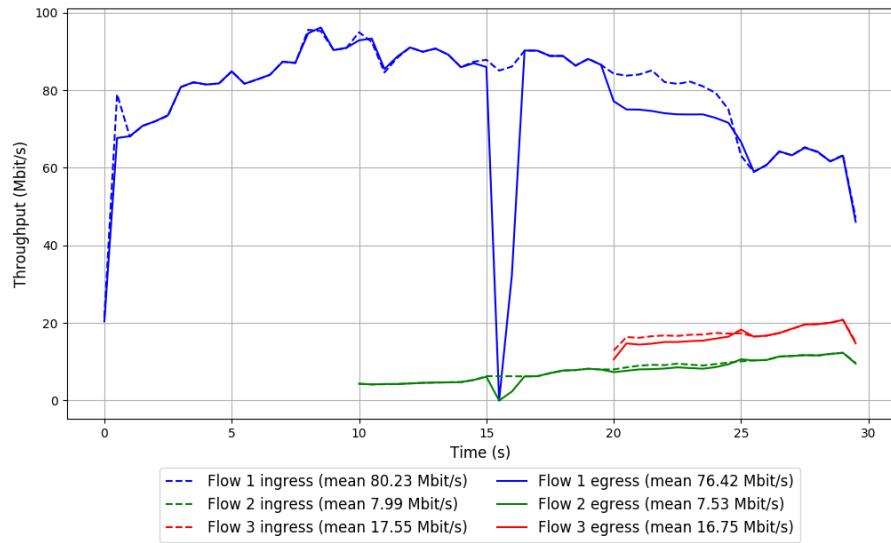


Run 8: Statistics of PCC

```
Start at: 2017-12-12 00:52:27
End at: 2017-12-12 00:52:57
Local clock offset: 5.846 ms
Remote clock offset: -12.708 ms

# Below is generated by plot.py at 2017-12-12 02:02:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 18.054 ms
Loss rate: 4.75%
-- Flow 2:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 22.995 ms
Loss rate: 5.79%
-- Flow 3:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 25.715 ms
Loss rate: 4.55%
```

Run 8: Report of PCC — Data Link

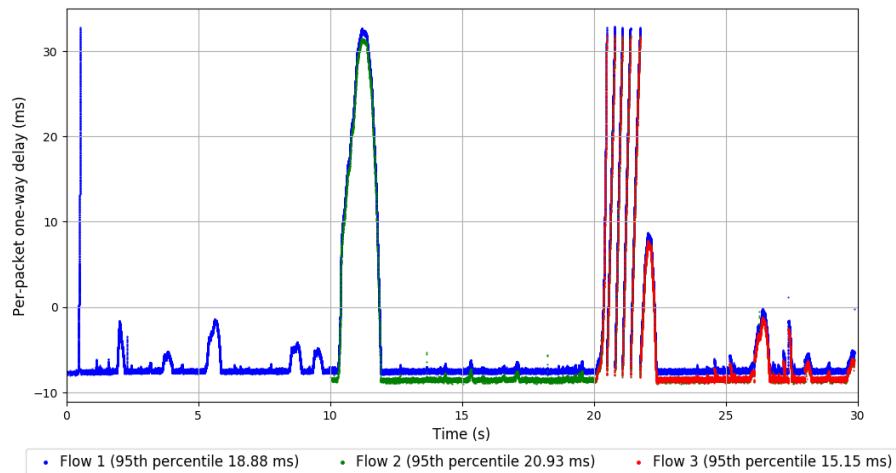
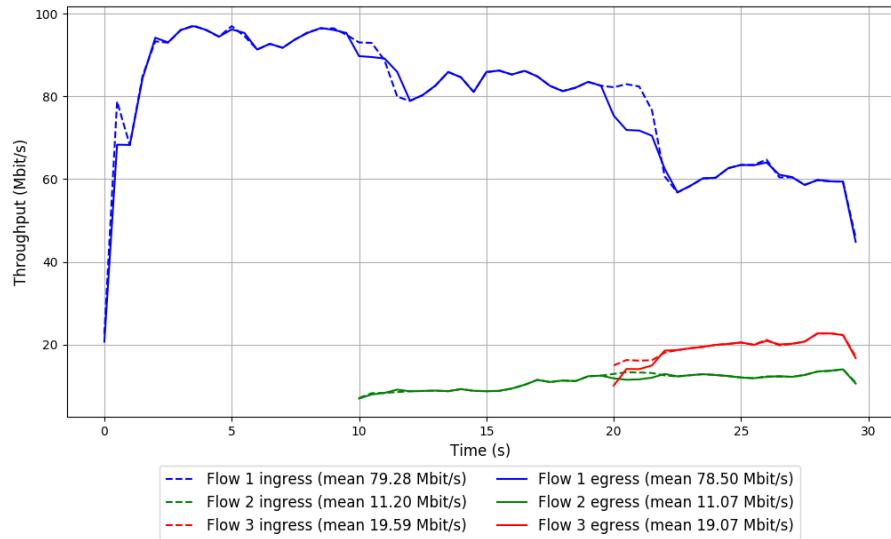


Run 9: Statistics of PCC

```
Start at: 2017-12-12 01:09:04
End at: 2017-12-12 01:09:34
Local clock offset: 5.842 ms
Remote clock offset: -11.703 ms

# Below is generated by plot.py at 2017-12-12 02:02:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 18.878 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 19.07 Mbit/s
95th percentile per-packet one-way delay: 15.152 ms
Loss rate: 2.65%
```

Run 9: Report of PCC — Data Link

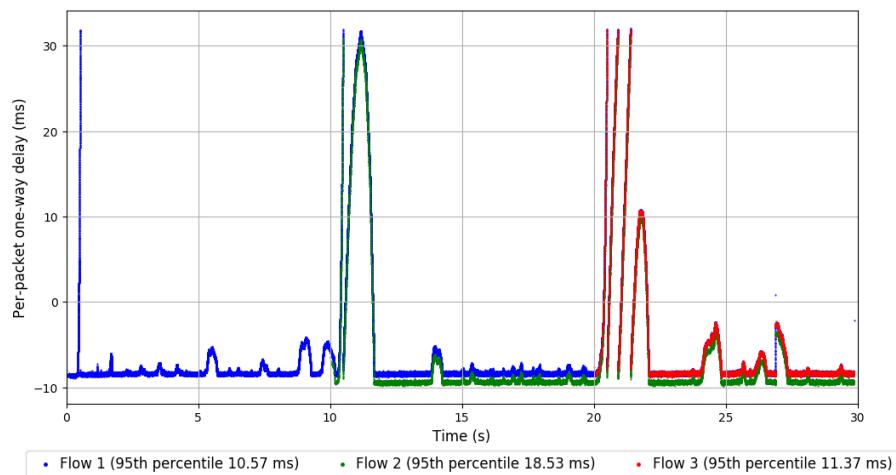
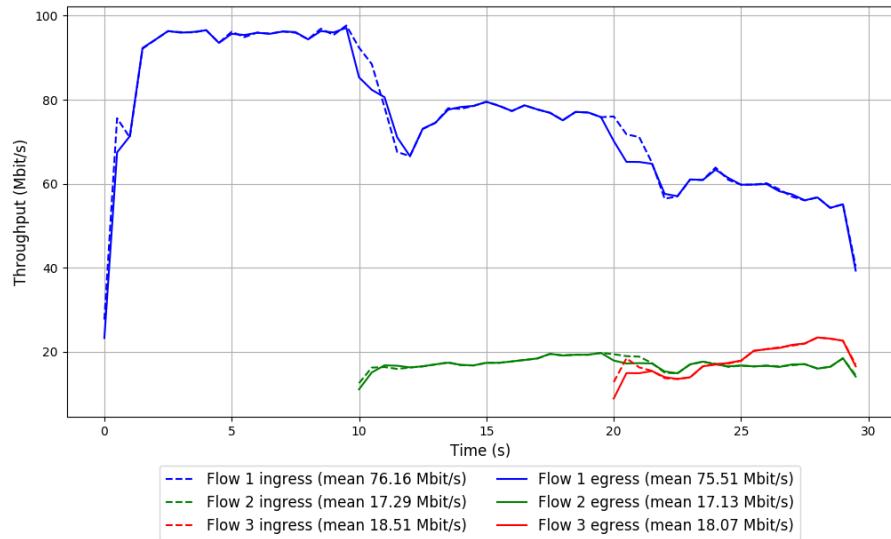


Run 10: Statistics of PCC

```
Start at: 2017-12-12 01:25:40
End at: 2017-12-12 01:26:10
Local clock offset: 4.672 ms
Remote clock offset: -12.25 ms

# Below is generated by plot.py at 2017-12-12 02:02:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 11.745 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 75.51 Mbit/s
95th percentile per-packet one-way delay: 10.566 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 18.527 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 2.43%
```

Run 10: Report of PCC — Data Link

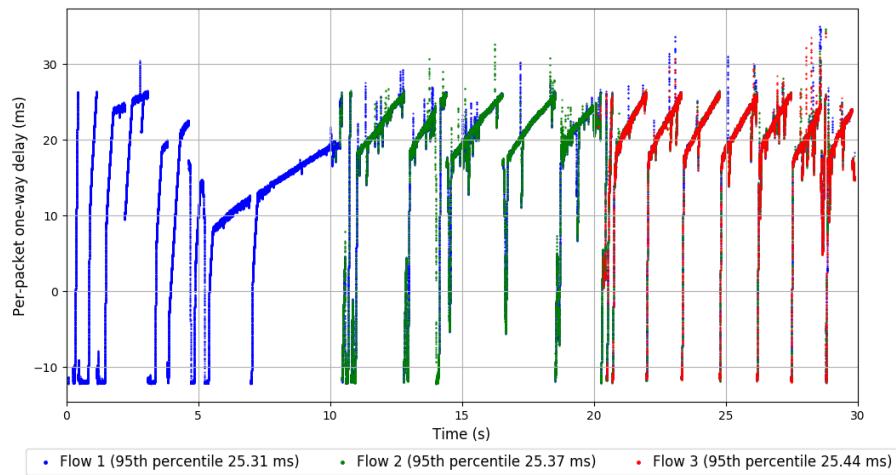
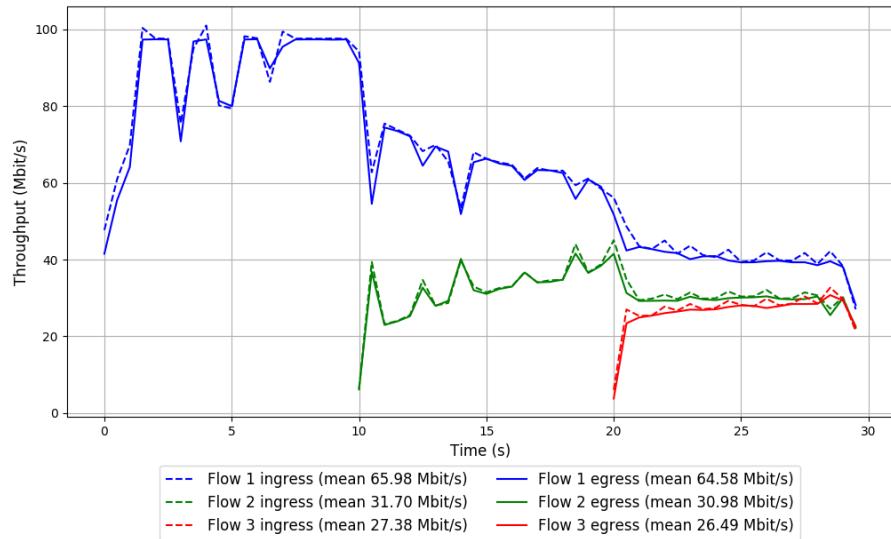


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2017-12-11 22:50:56
End at: 2017-12-11 22:51:26
Local clock offset: 6.264 ms
Remote clock offset: -15.849 ms

# Below is generated by plot.py at 2017-12-12 02:03:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 25.336 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 25.309 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 25.370 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 25.443 ms
Loss rate: 3.35%
```

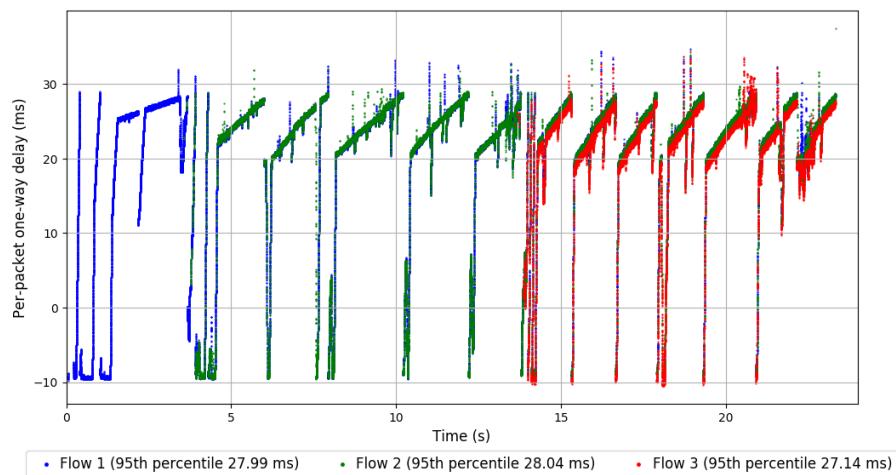
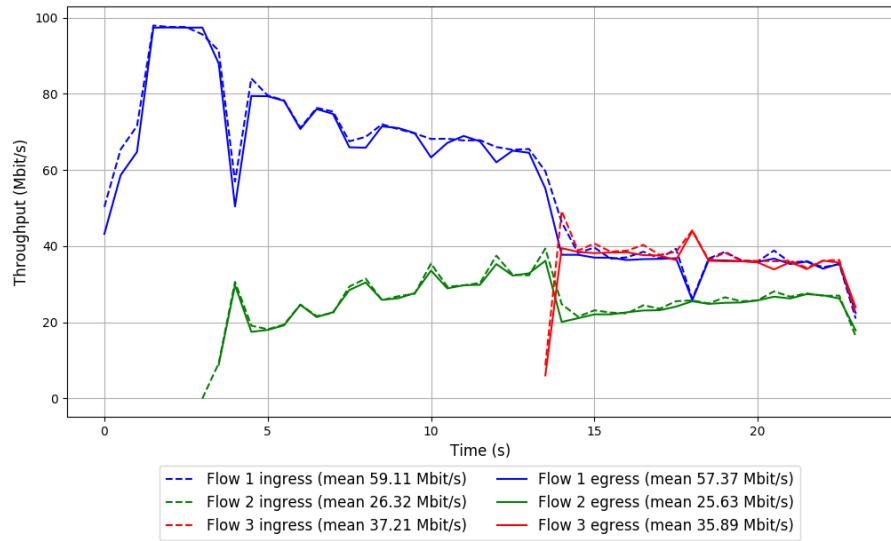
Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-11 23:07:32
End at: 2017-12-11 23:08:02
Local clock offset: 6.287 ms
Remote clock offset: -13.207 ms

Run 2: Report of QUIC Cubic — Data Link

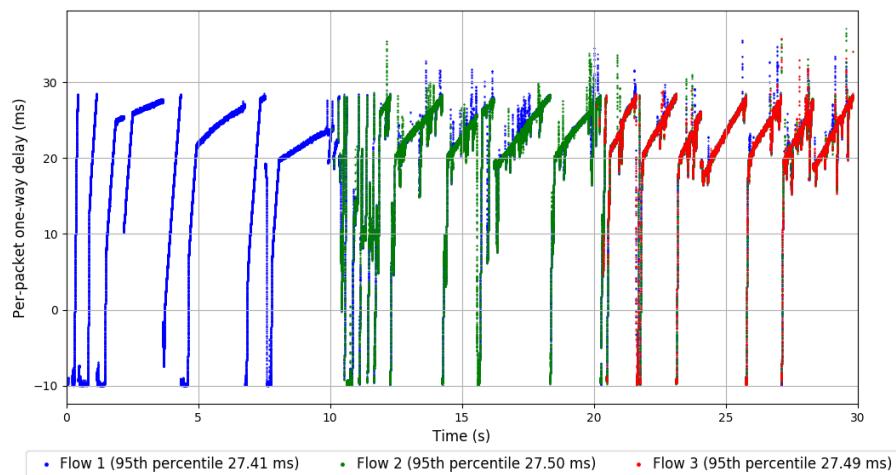
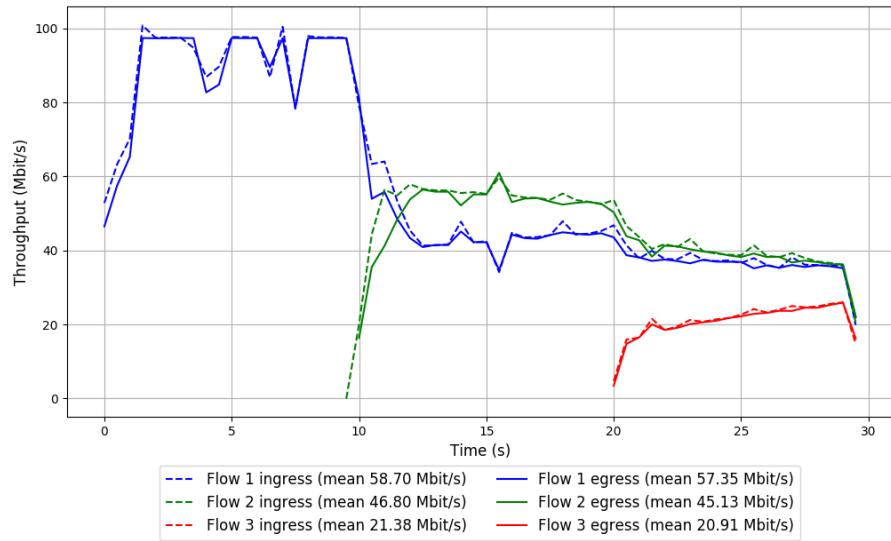


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-12-11 23:24:03
End at: 2017-12-11 23:24:33
Local clock offset: 5.333 ms
Remote clock offset: -14.927 ms

# Below is generated by plot.py at 2017-12-12 02:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 27.442 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 27.407 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 27.496 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 27.493 ms
Loss rate: 2.10%
```

Run 3: Report of QUIC Cubic — Data Link

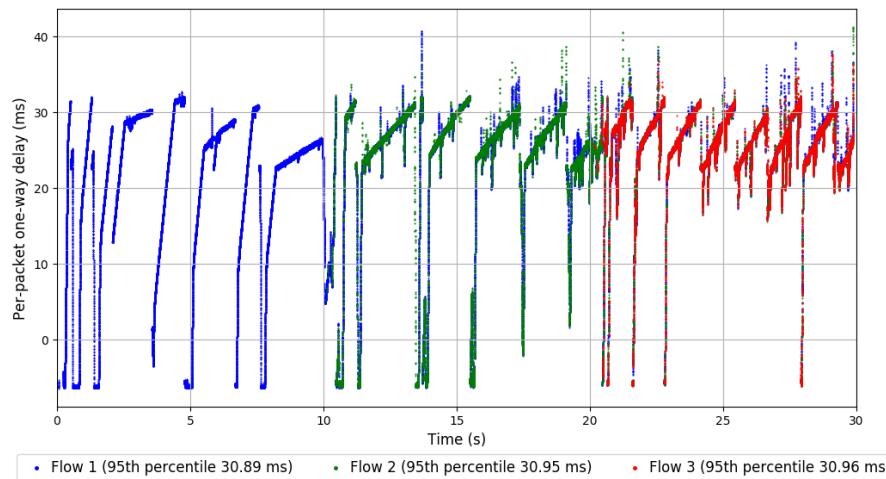
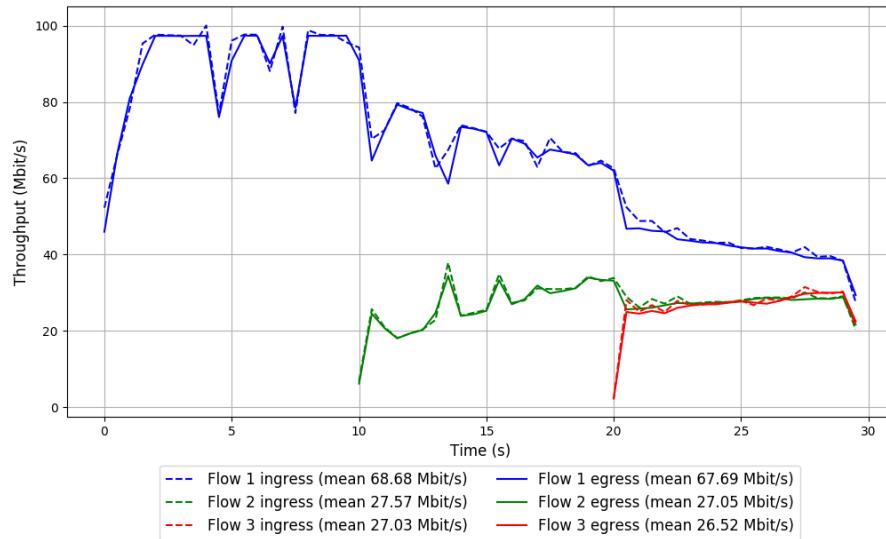


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-12-11 23:40:26
End at: 2017-12-11 23:40:56
Local clock offset: 3.547 ms
Remote clock offset: -14.233 ms

# Below is generated by plot.py at 2017-12-12 02:03:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 30.921 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 30.888 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 30.954 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 30.964 ms
Loss rate: 1.84%
```

Run 4: Report of QUIC Cubic — Data Link

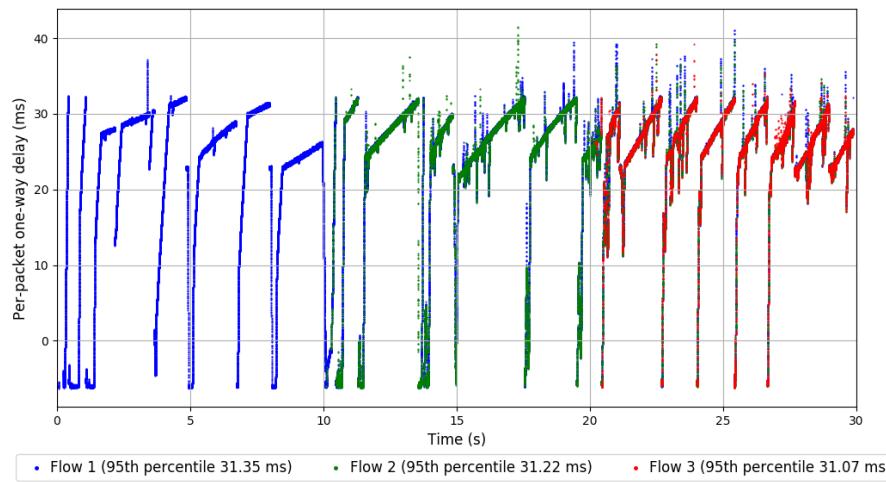
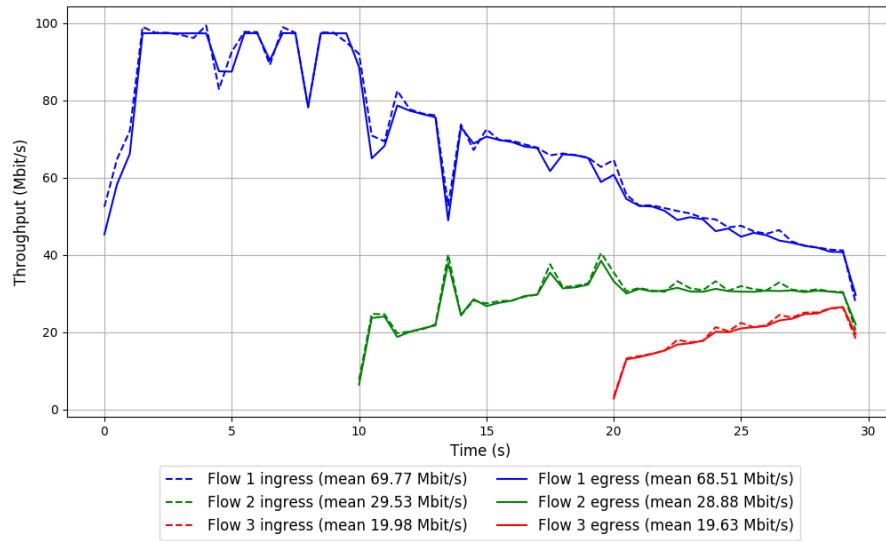


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-12-11 23:56:54
End at: 2017-12-11 23:57:24
Local clock offset: 3.336 ms
Remote clock offset: -13.87 ms

# Below is generated by plot.py at 2017-12-12 02:04:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 31.318 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 31.353 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 31.224 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 31.068 ms
Loss rate: 1.74%
```

Run 5: Report of QUIC Cubic — Data Link

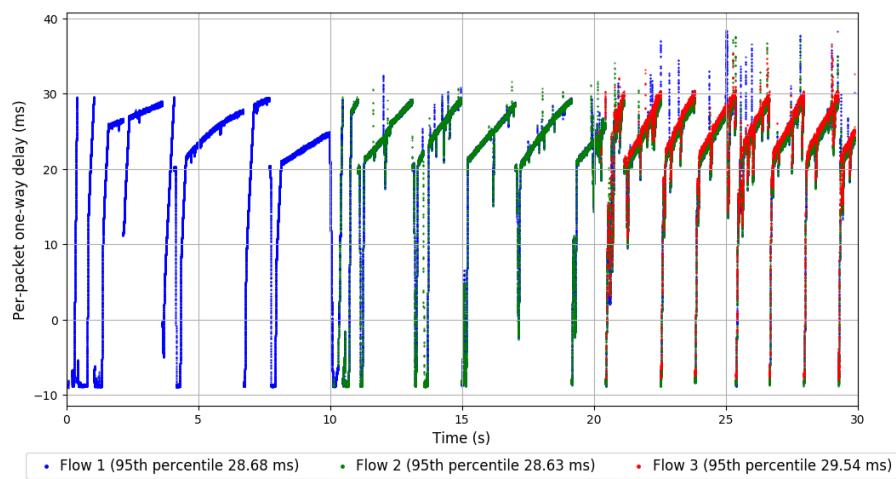
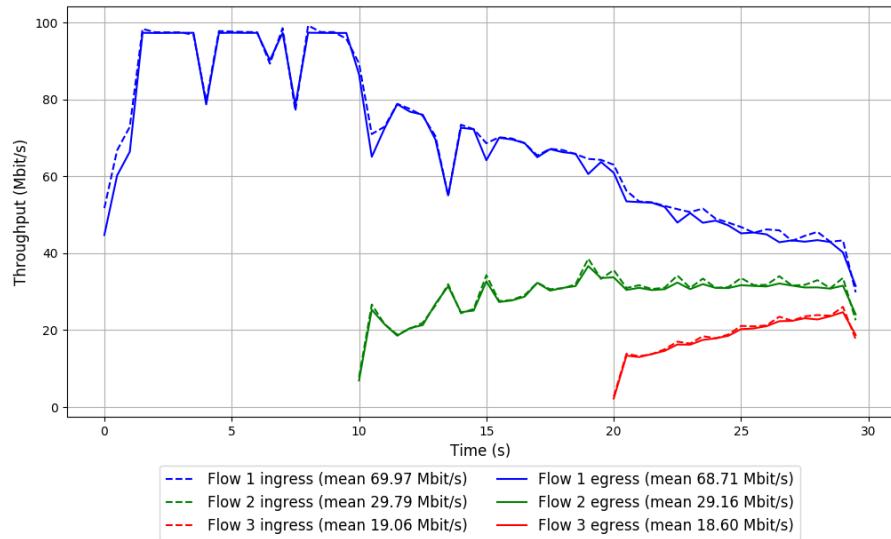


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-12-12 00:13:34
End at: 2017-12-12 00:14:04
Local clock offset: 5.738 ms
Remote clock offset: -13.119 ms

# Below is generated by plot.py at 2017-12-12 02:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 28.708 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 68.71 Mbit/s
95th percentile per-packet one-way delay: 28.682 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 28.631 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 29.538 ms
Loss rate: 2.36%
```

Run 6: Report of QUIC Cubic — Data Link

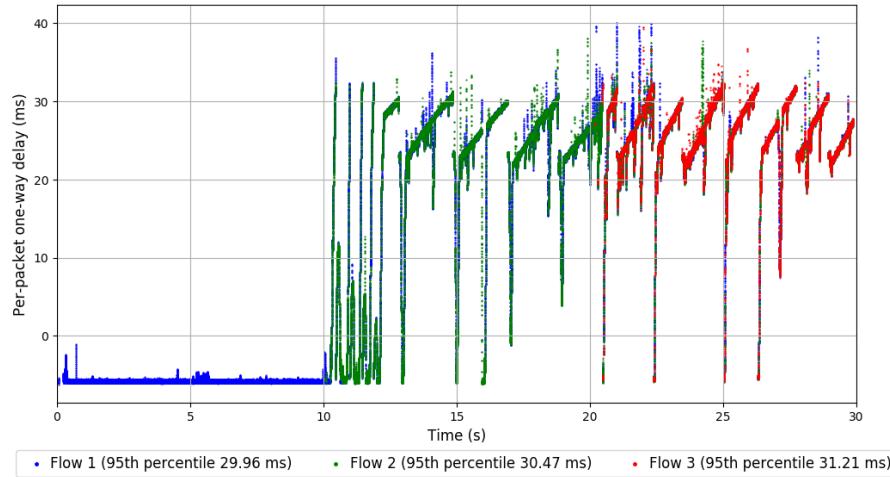
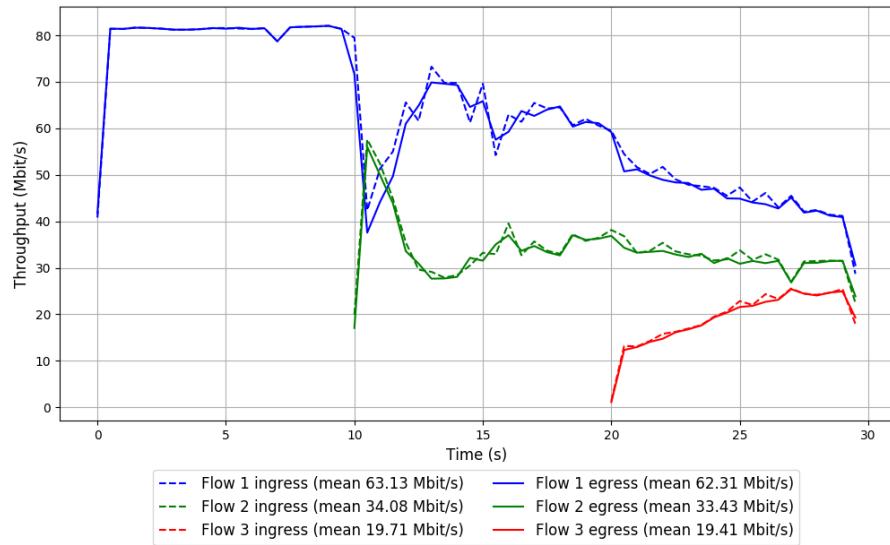


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-12-12 00:30:04
End at: 2017-12-12 00:30:34
Local clock offset: 3.496 ms
Remote clock offset: -13.016 ms

# Below is generated by plot.py at 2017-12-12 02:04:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 30.246 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 62.31 Mbit/s
95th percentile per-packet one-way delay: 29.962 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 31.206 ms
Loss rate: 1.54%
```

Run 7: Report of QUIC Cubic — Data Link

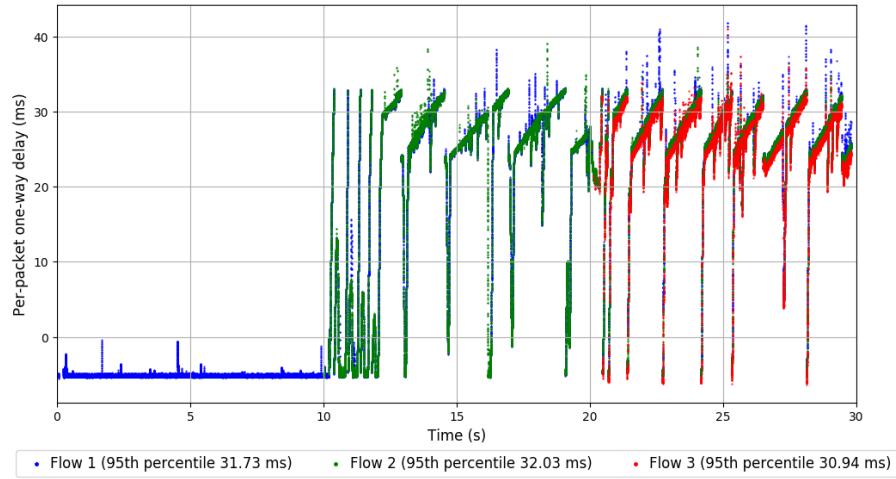
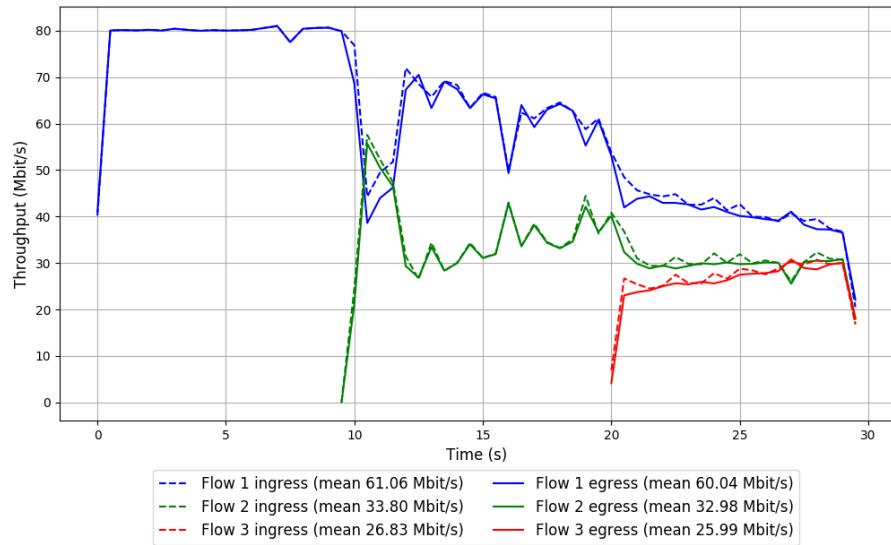


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-12-12 00:46:33
End at: 2017-12-12 00:47:03
Local clock offset: 4.103 ms
Remote clock offset: -11.299 ms

# Below is generated by plot.py at 2017-12-12 02:04:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.48 Mbit/s
95th percentile per-packet one-way delay: 31.758 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 32.035 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 25.99 Mbit/s
95th percentile per-packet one-way delay: 30.936 ms
Loss rate: 3.13%
```

Run 8: Report of QUIC Cubic — Data Link

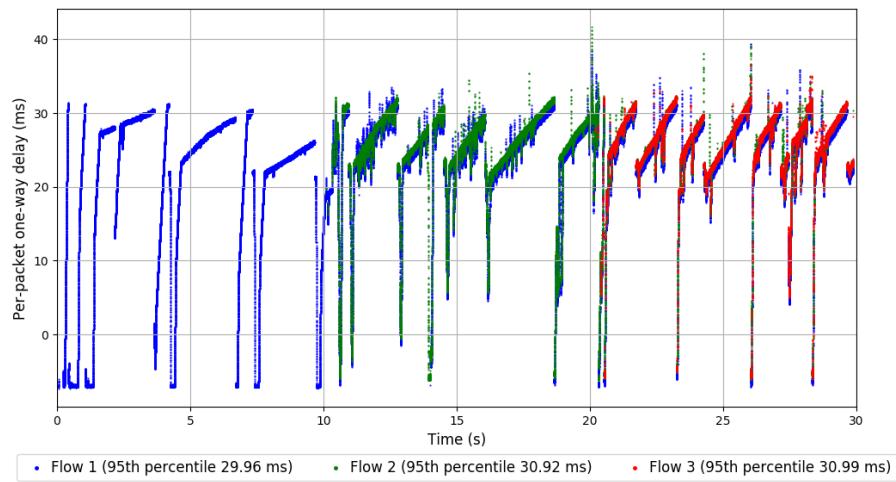
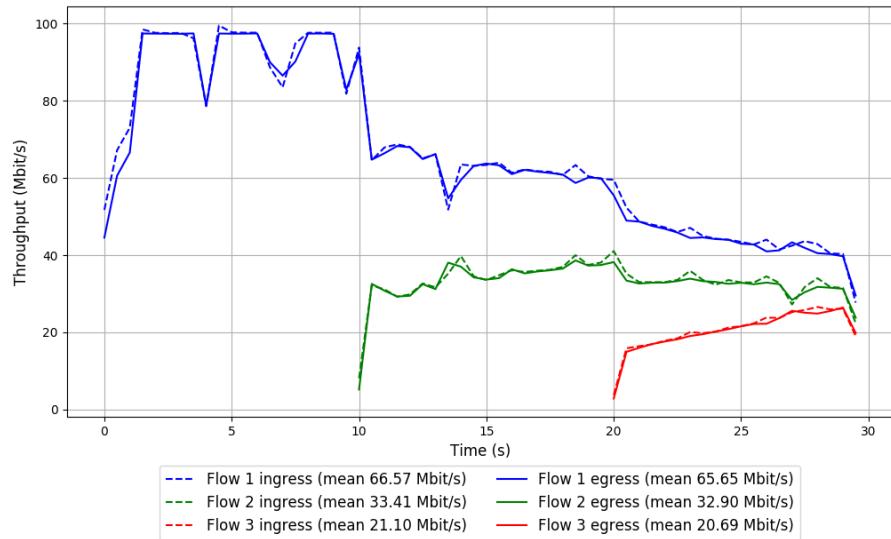


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-12-12 01:03:10
End at: 2017-12-12 01:03:40
Local clock offset: 4.206 ms
Remote clock offset: -12.014 ms

# Below is generated by plot.py at 2017-12-12 02:04:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 30.325 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 29.962 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 30.920 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 30.991 ms
Loss rate: 1.84%
```

Run 9: Report of QUIC Cubic — Data Link

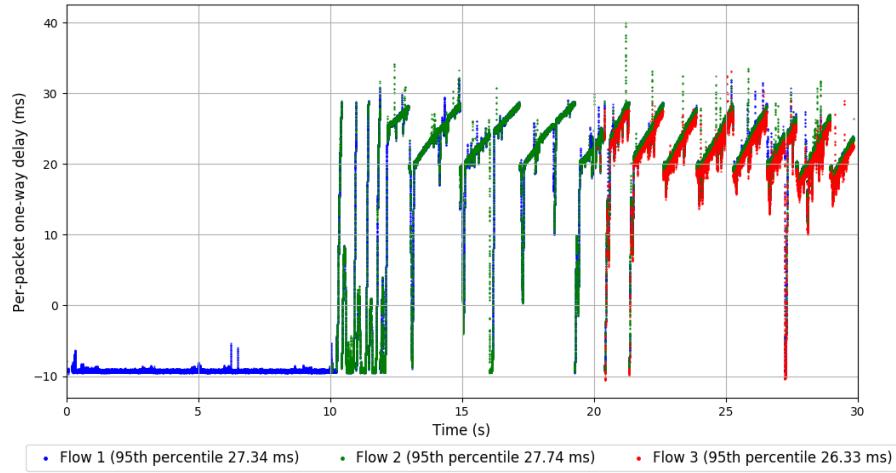
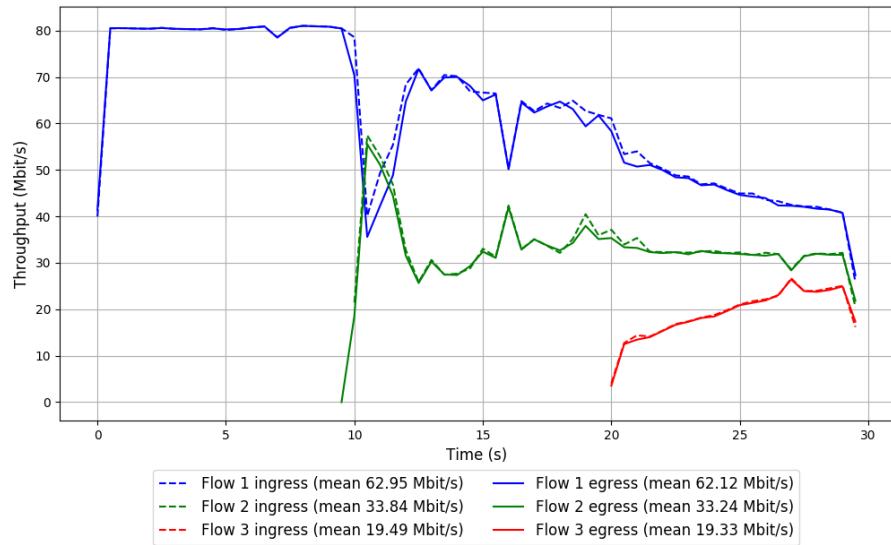


```
Run 10: Statistics of QUIC Cubic
```

```
Start at: 2017-12-12 01:19:45
End at: 2017-12-12 01:20:15
Local clock offset: 5.265 ms
Remote clock offset: -13.196 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 27.404 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 27.344 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 27.738 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 26.332 ms
Loss rate: 0.79%
```

Run 10: Report of QUIC Cubic — Data Link

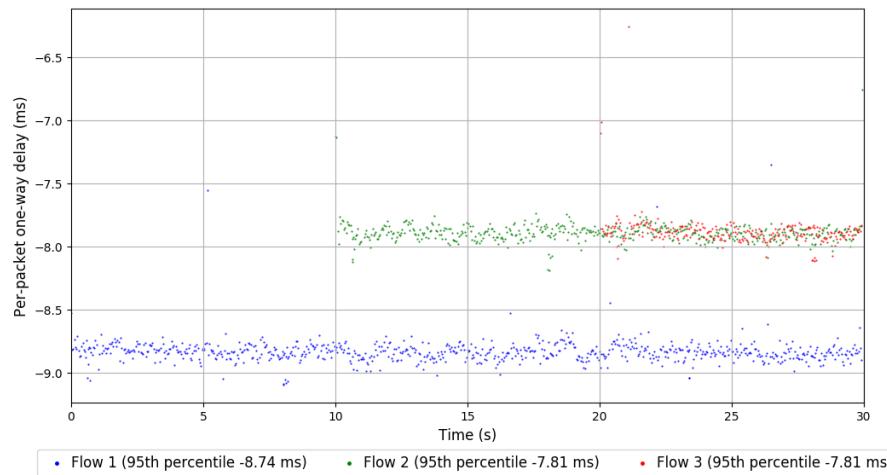
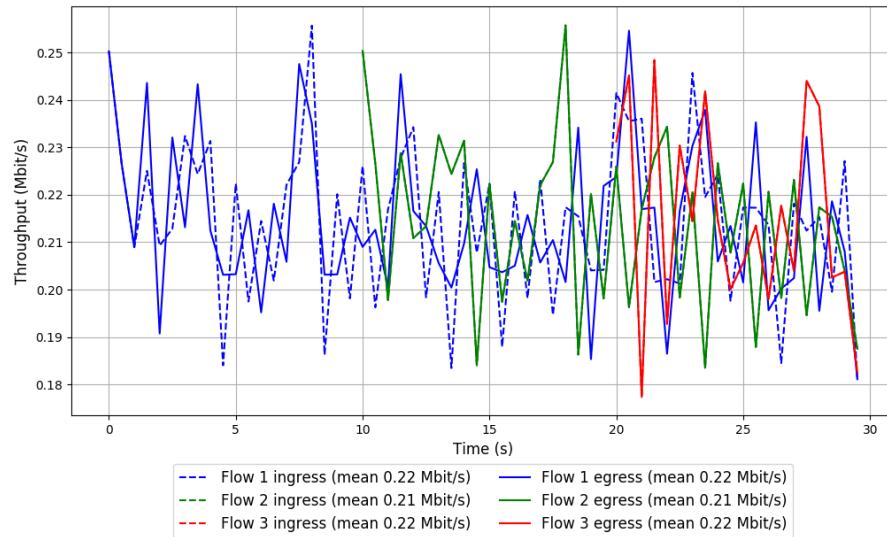


Run 1: Statistics of SCReAM

```
Start at: 2017-12-11 22:53:18
End at: 2017-12-11 22:53:48
Local clock offset: 4.459 ms
Remote clock offset: -14.577 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -7.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -8.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.807 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

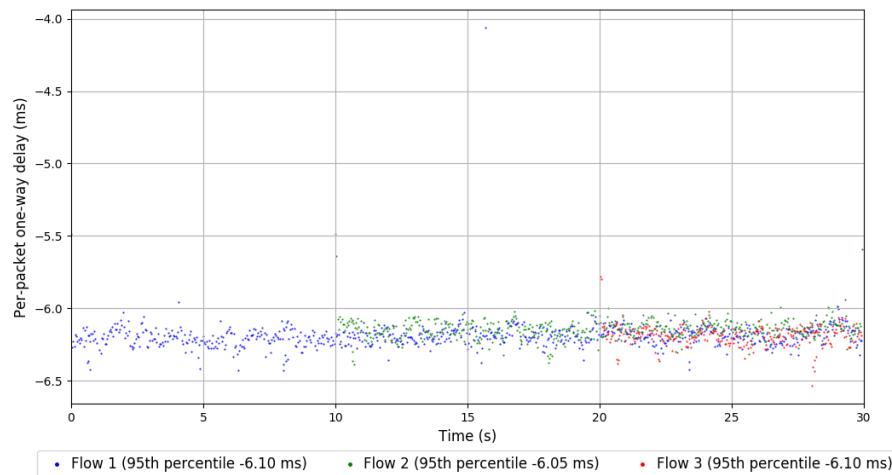
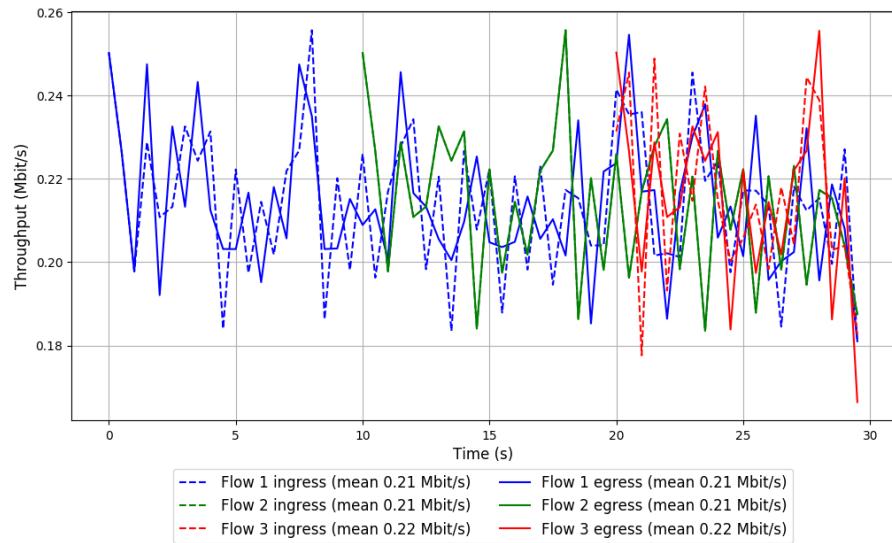


Run 2: Statistics of SCReAM

```
Start at: 2017-12-11 23:09:54
End at: 2017-12-11 23:10:24
Local clock offset: 4.672 ms
Remote clock offset: -11.796 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.103 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

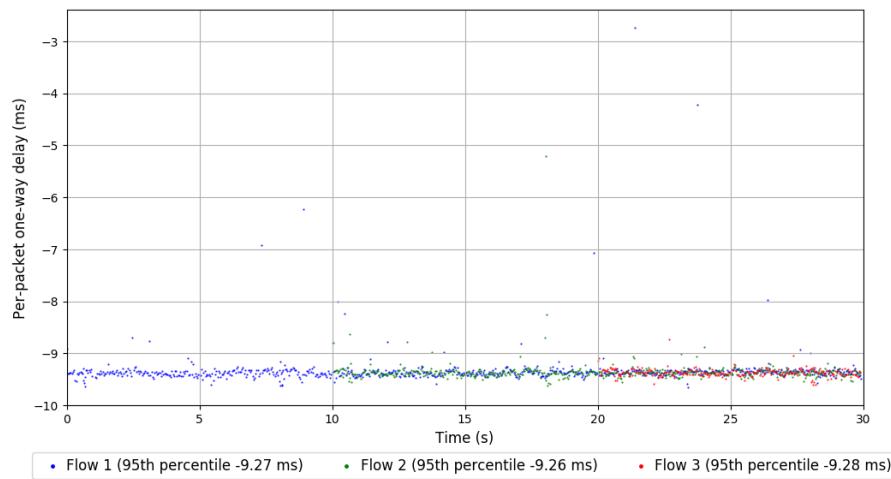
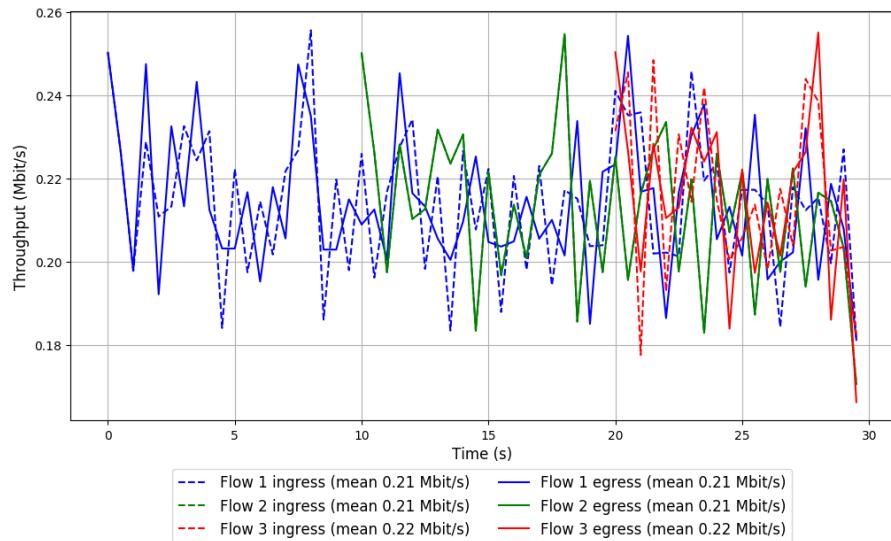


Run 3: Statistics of SCReAM

```
Start at: 2017-12-11 23:26:24
End at: 2017-12-11 23:26:54
Local clock offset: 5.424 ms
Remote clock offset: -15.63 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -9.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.275 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

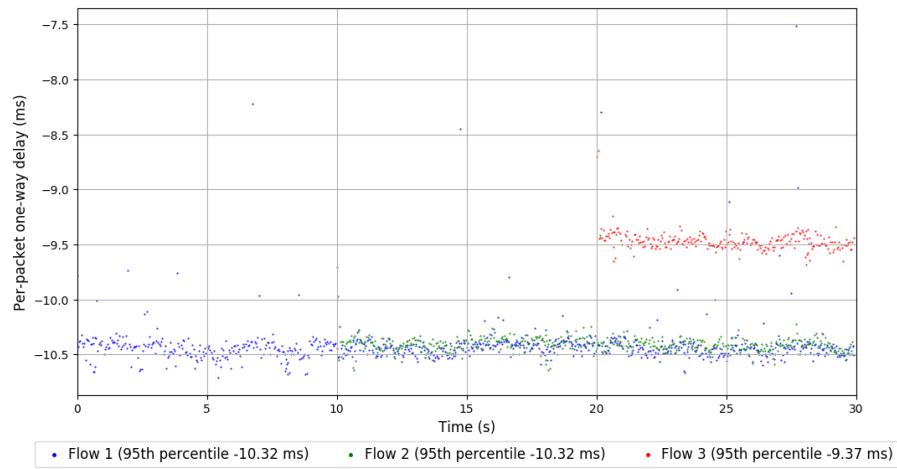
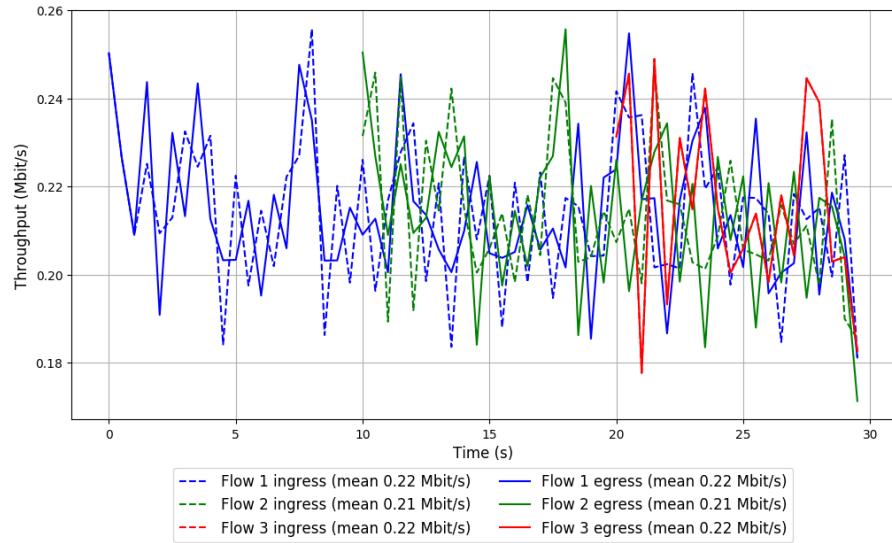


Run 4: Statistics of SCReAM

```
Start at: 2017-12-11 23:42:48
End at: 2017-12-11 23:43:18
Local clock offset: 7.166 ms
Remote clock offset: -13.92 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -9.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -10.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.319 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.367 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

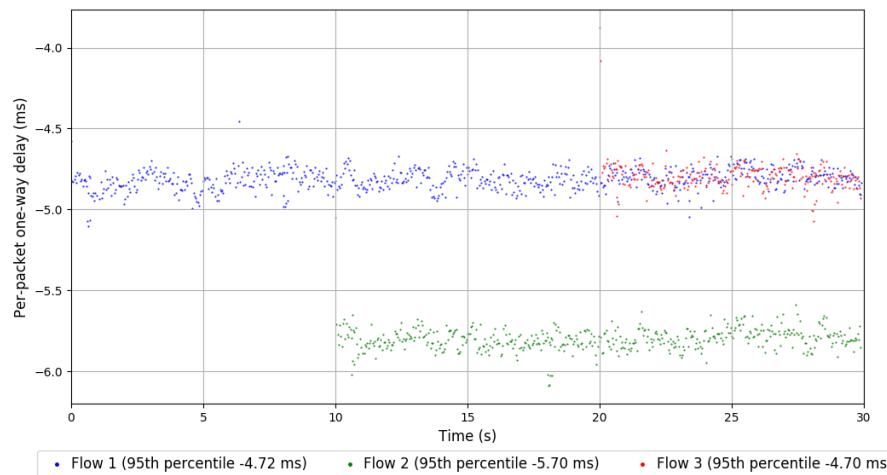
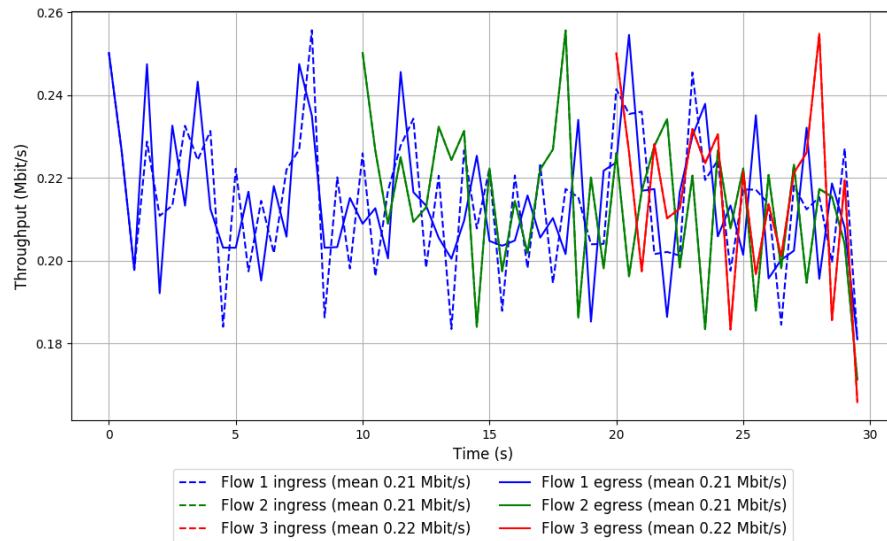


Run 5: Statistics of SCReAM

```
Start at: 2017-12-11 23:59:17
End at: 2017-12-11 23:59:47
Local clock offset: 3.414 ms
Remote clock offset: -12.648 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -4.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -4.700 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

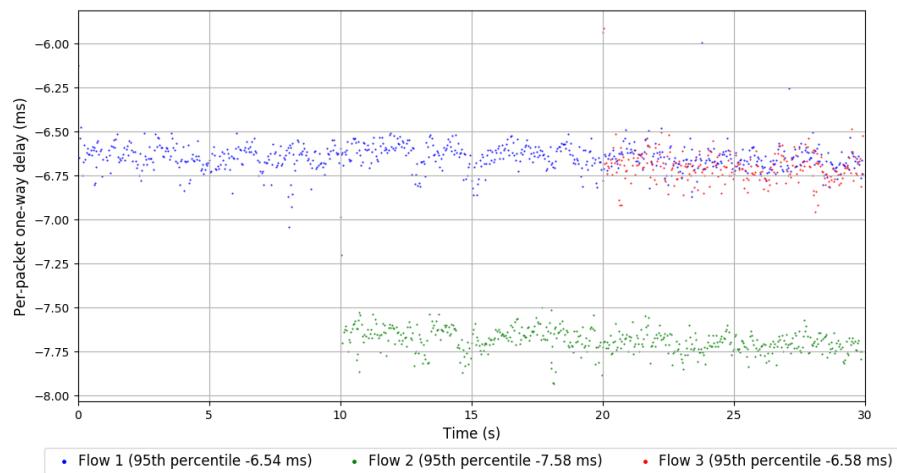
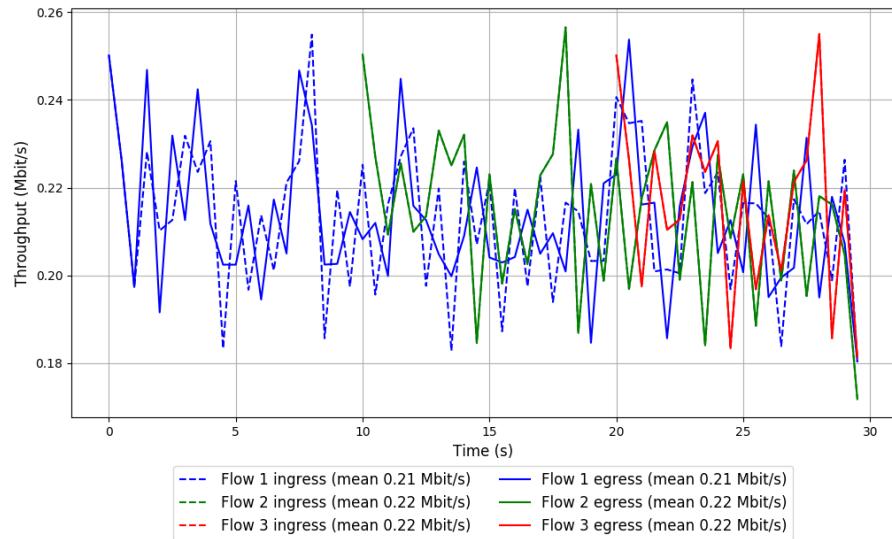


Run 6: Statistics of SCReAM

```
Start at: 2017-12-12 00:15:58
End at: 2017-12-12 00:16:28
Local clock offset: 6.486 ms
Remote clock offset: -11.258 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.578 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

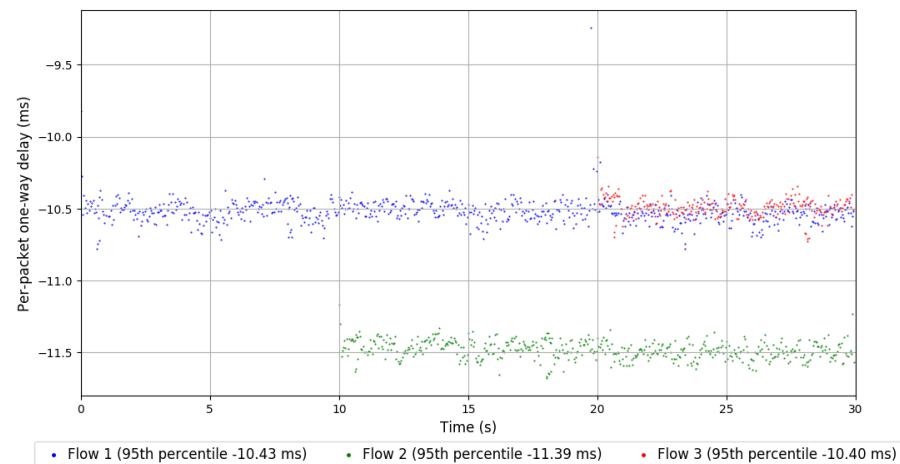
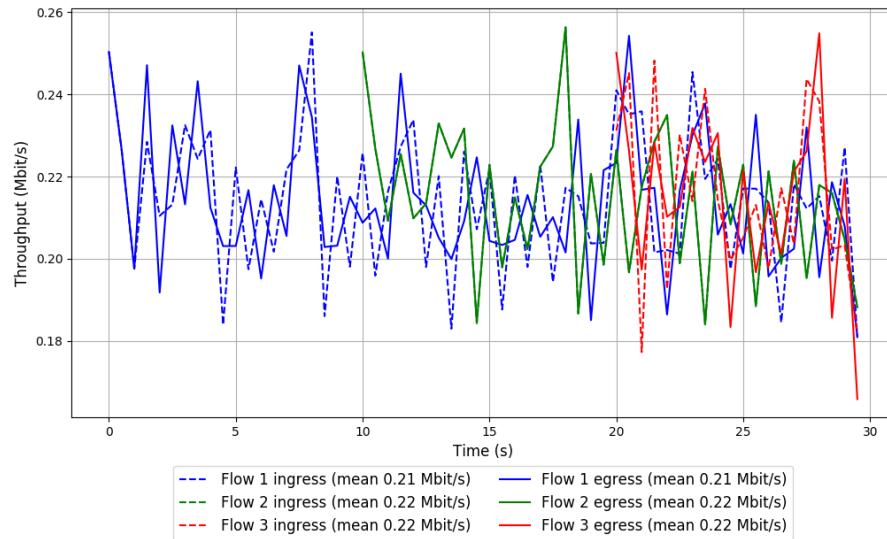


Run 7: Statistics of SCReAM

```
Start at: 2017-12-12 00:32:26
End at: 2017-12-12 00:32:56
Local clock offset: 8.101 ms
Remote clock offset: -12.942 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -10.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -11.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -10.399 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

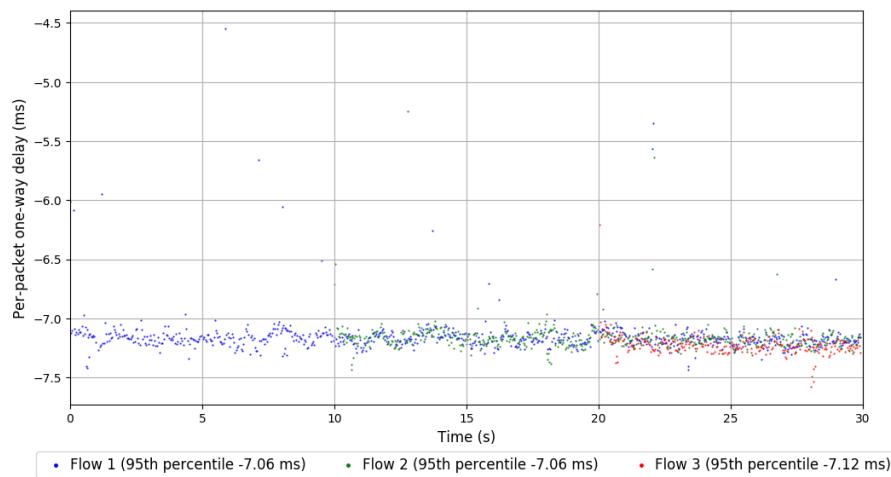
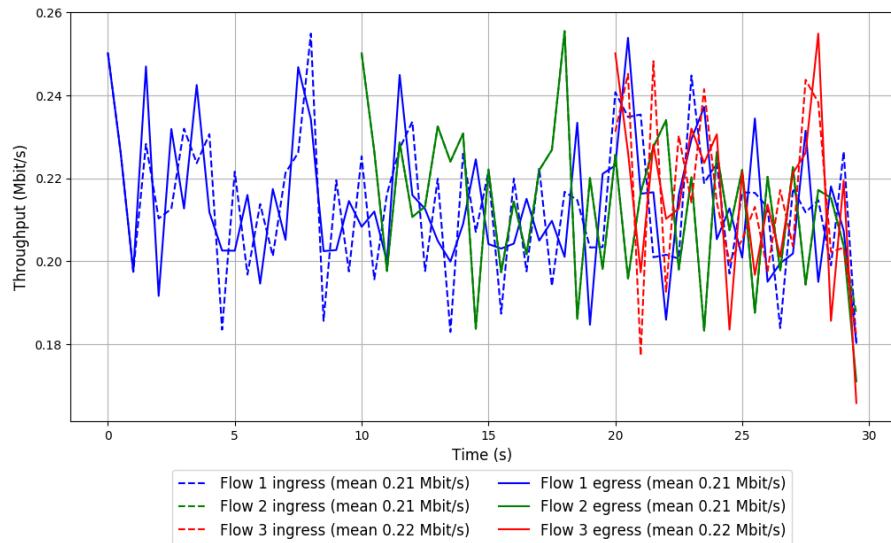


Run 8: Statistics of SCReAM

```
Start at: 2017-12-12 00:48:56
End at: 2017-12-12 00:49:26
Local clock offset: 5.826 ms
Remote clock offset: -11.561 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -7.070 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.063 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.116 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

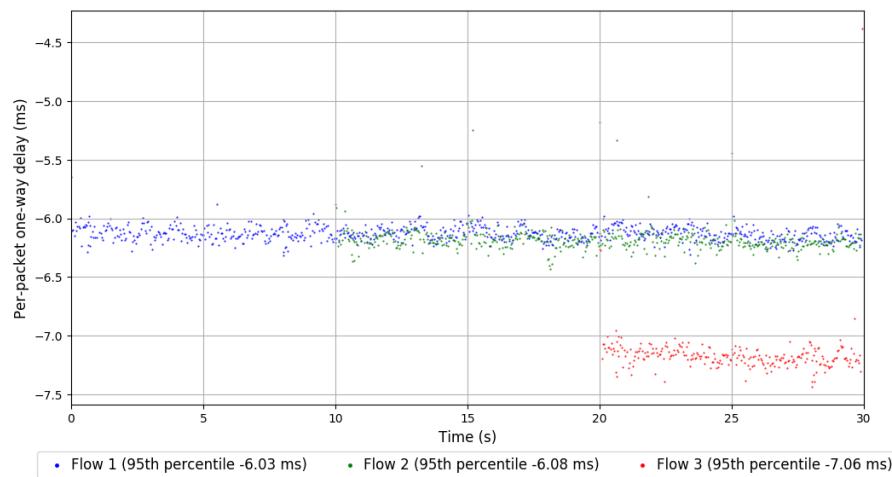
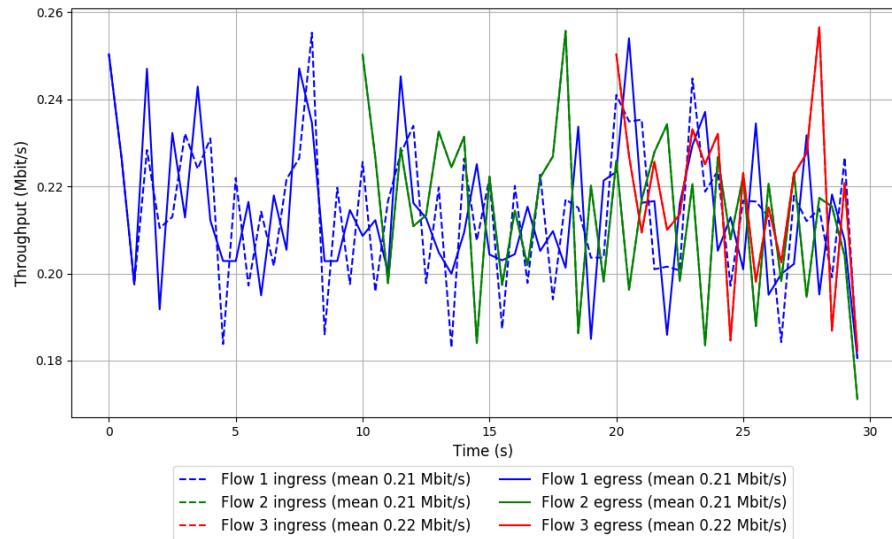


Run 9: Statistics of SCReAM

```
Start at: 2017-12-12 01:05:34
End at: 2017-12-12 01:06:05
Local clock offset: 5.205 ms
Remote clock offset: -11.119 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.056 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

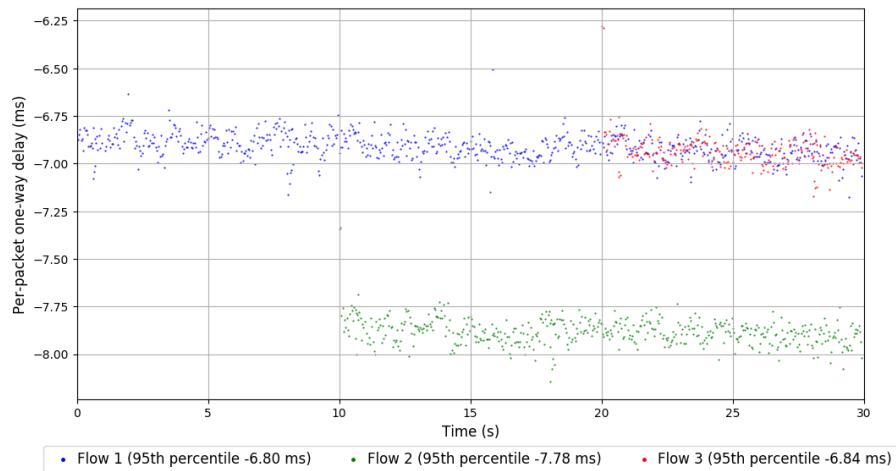
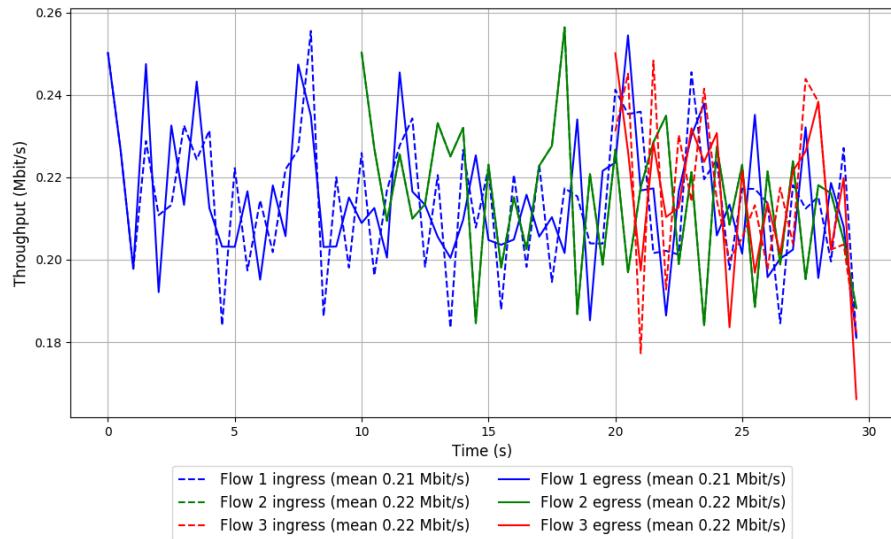


Run 10: Statistics of SCReAM

```
Start at: 2017-12-12 01:22:11
End at: 2017-12-12 01:22:41
Local clock offset: 4.688 ms
Remote clock offset: -10.909 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.775 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.841 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

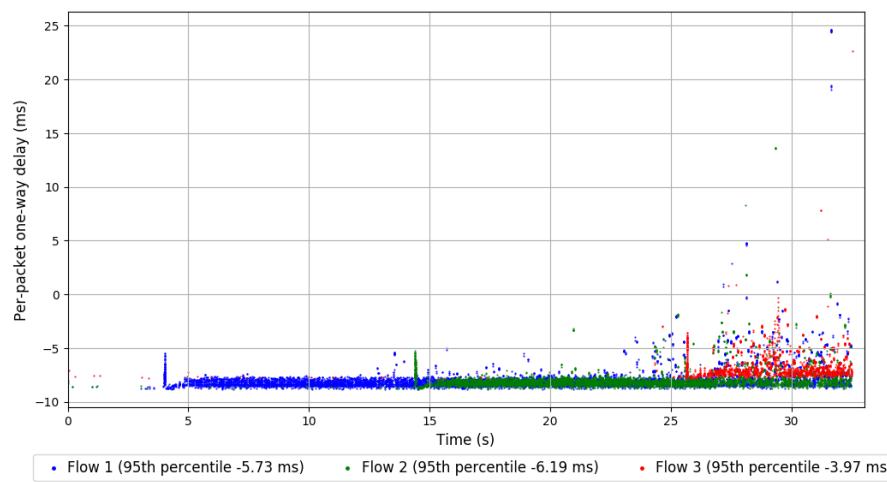
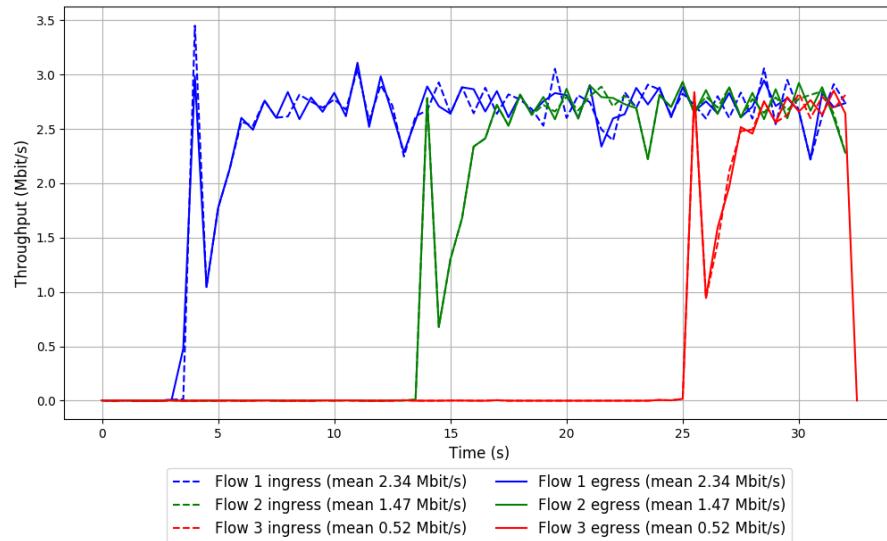


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-11 22:57:57
End at: 2017-12-11 22:58:27
Local clock offset: 5.778 ms
Remote clock offset: -12.663 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: -5.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.729 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -6.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: -3.967 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

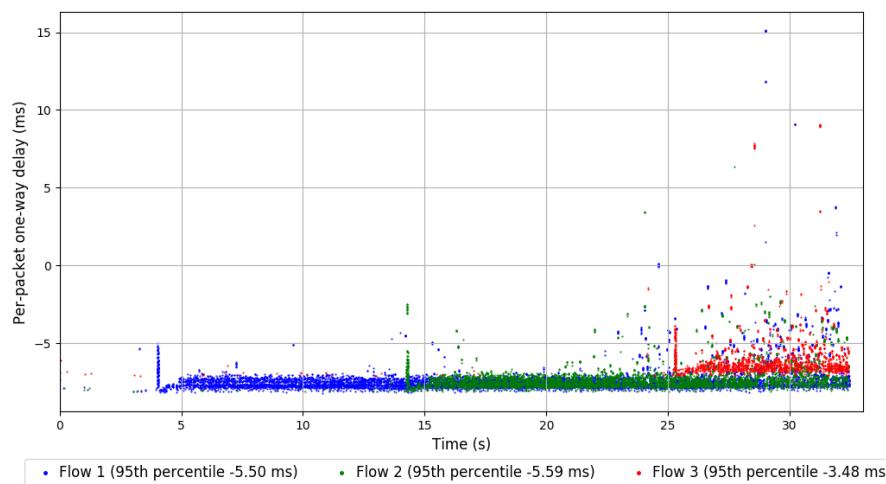
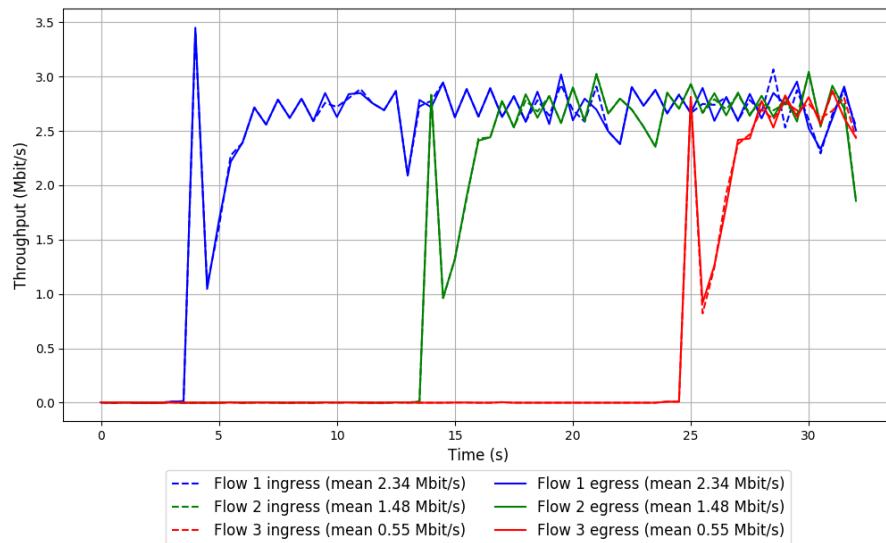


Run 2: Statistics of WebRTC media

```
Start at: 2017-12-11 23:14:33
End at: 2017-12-11 23:15:03
Local clock offset: 4.736 ms
Remote clock offset: -12.706 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: -4.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -5.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -5.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -3.478 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

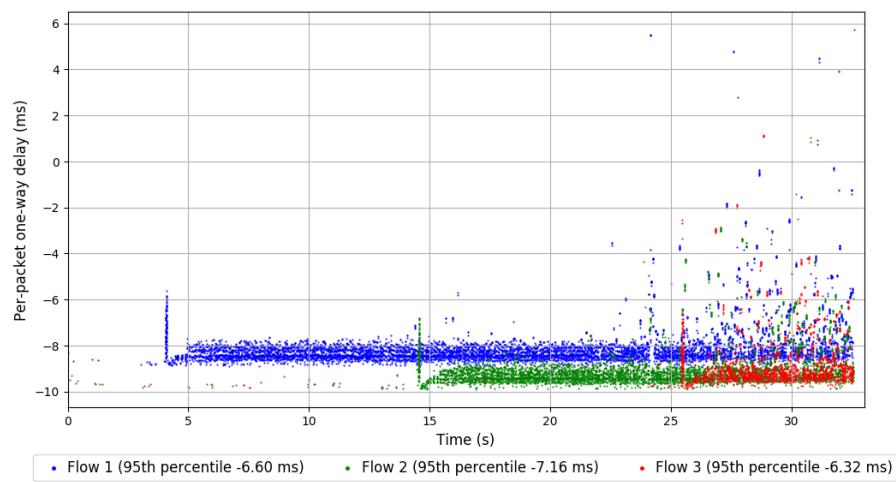
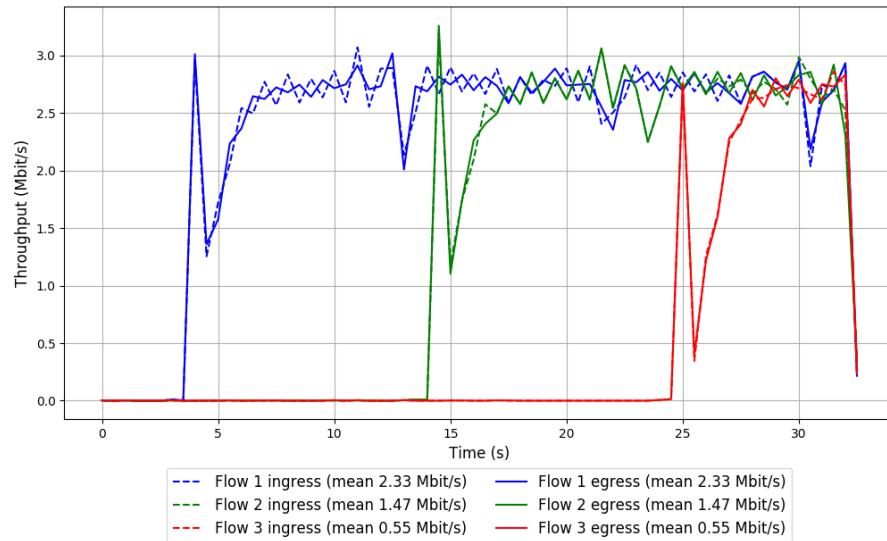


```
Run 3: Statistics of WebRTC media

Start at: 2017-12-11 23:31:02
End at: 2017-12-11 23:31:32
Local clock offset: 5.613 ms
Remote clock offset: -14.785 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -6.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -7.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -6.322 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

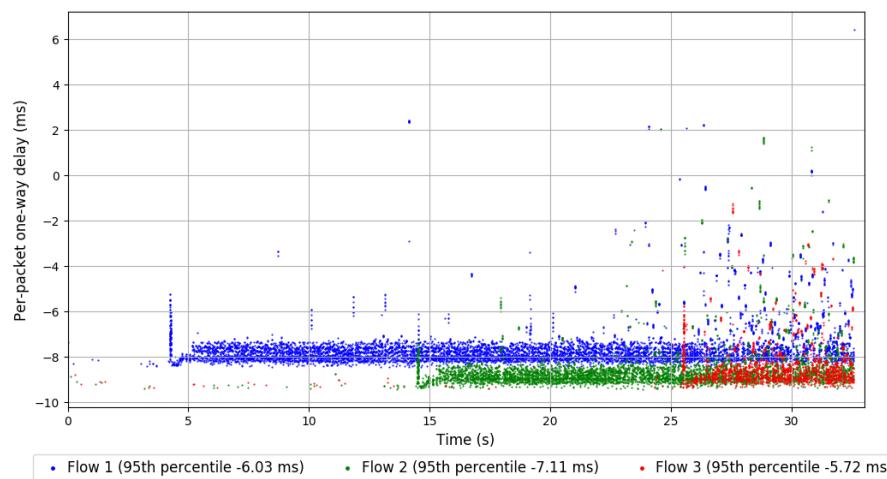
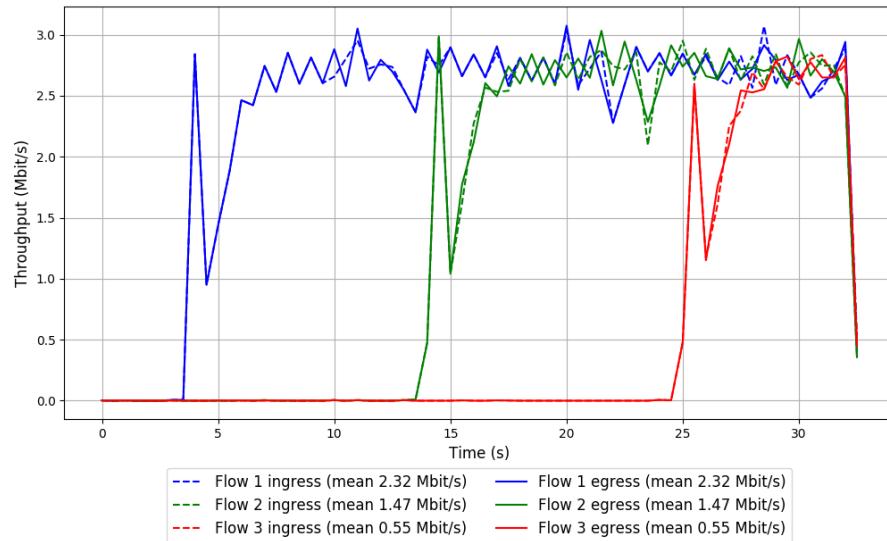


Run 4: Statistics of WebRTC media

```
Start at: 2017-12-11 23:47:25
End at: 2017-12-11 23:47:55
Local clock offset: 2.083 ms
Remote clock offset: -17.557 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -6.213 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.032 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -7.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -5.718 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

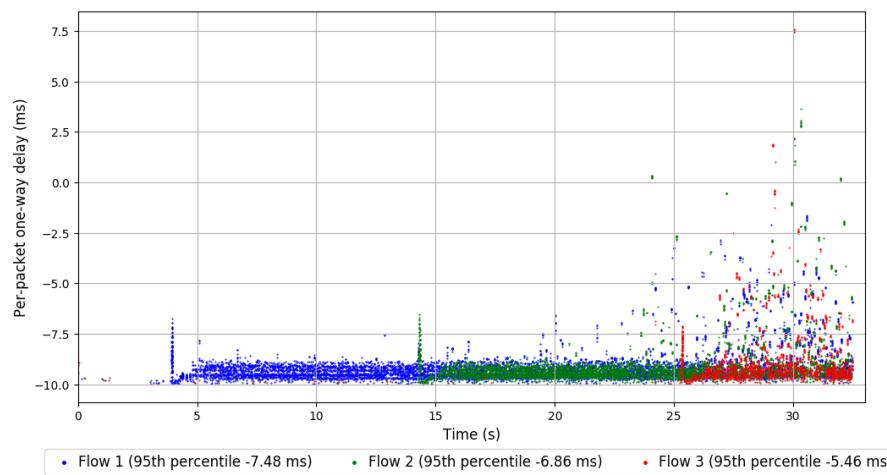
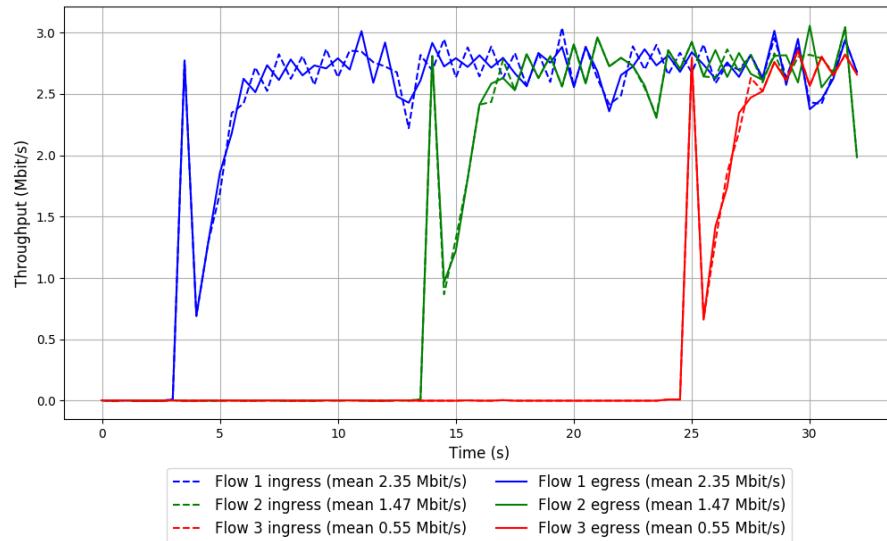


Run 5: Statistics of WebRTC media

```
Start at: 2017-12-12 00:04:04
End at: 2017-12-12 00:04:34
Local clock offset: 5.567 ms
Remote clock offset: -15.473 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: -6.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -7.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -6.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -5.463 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

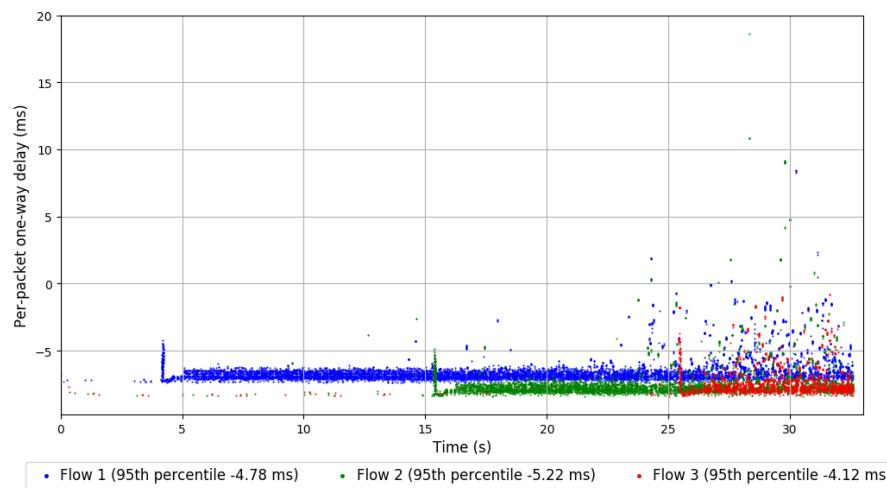
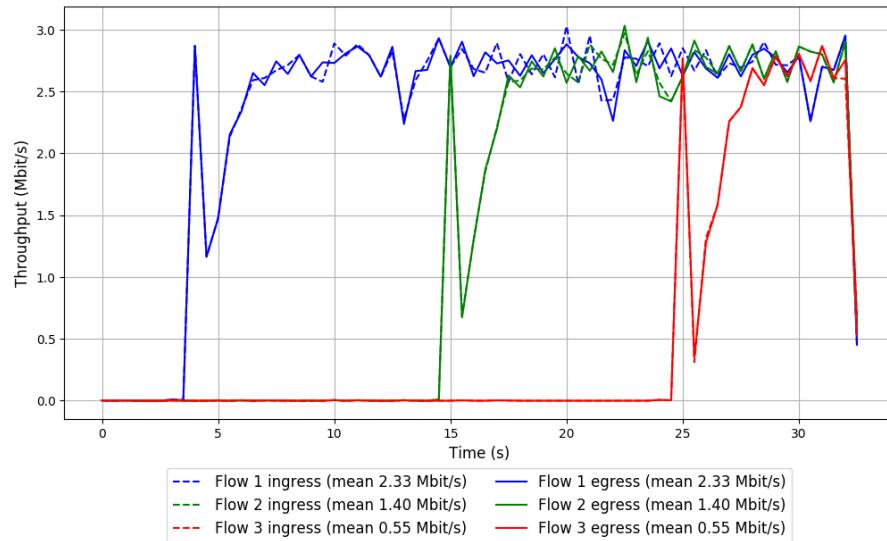


Run 6: Statistics of WebRTC media

```
Start at: 2017-12-12 00:20:36
End at: 2017-12-12 00:21:06
Local clock offset: 4.862 ms
Remote clock offset: -12.901 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: -4.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -4.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: -5.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -4.122 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

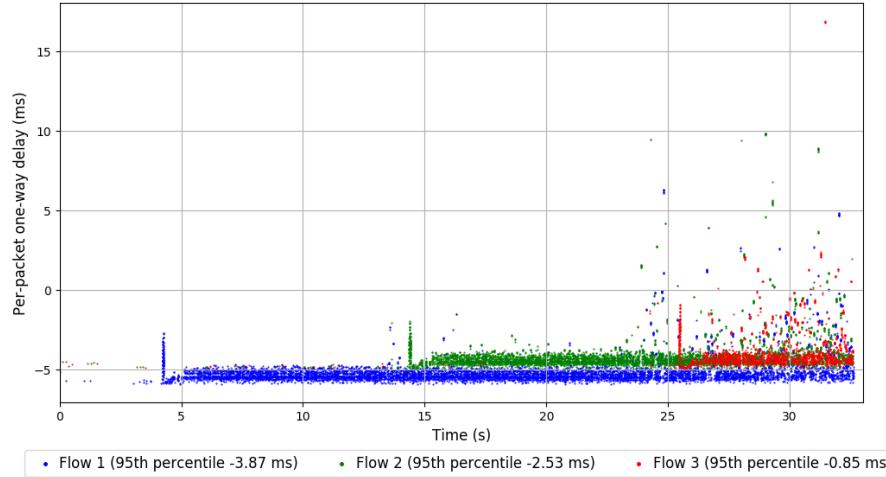
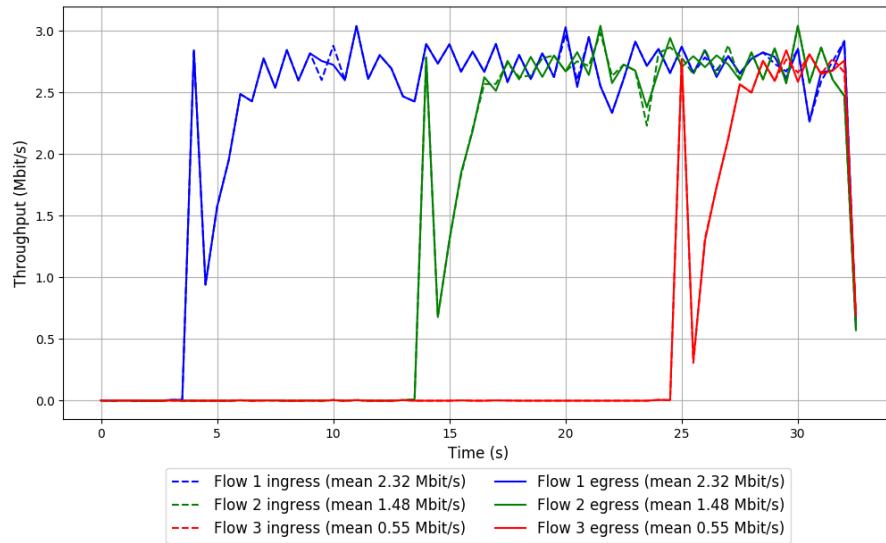


Run 7: Statistics of WebRTC media

```
Start at: 2017-12-12 00:37:03
End at: 2017-12-12 00:37:33
Local clock offset: 4.073 ms
Remote clock offset: -10.73 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -2.645 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -3.865 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -2.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -0.849 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

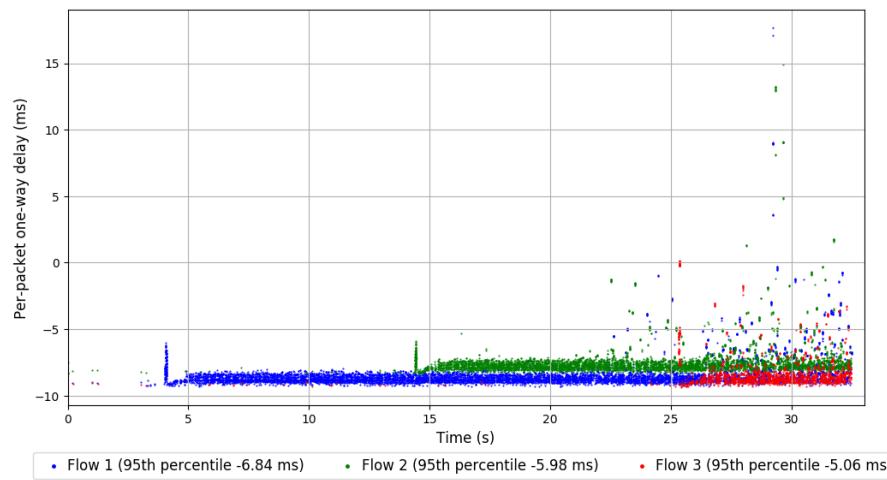
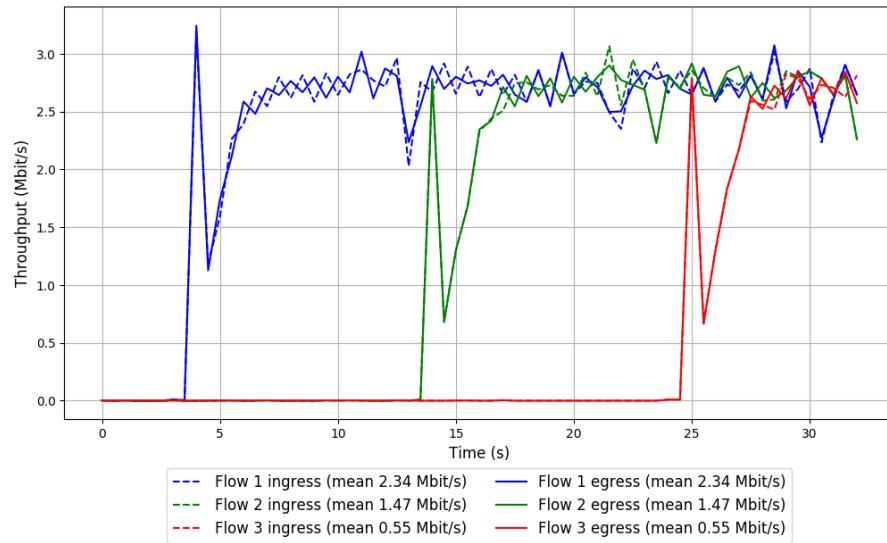


Run 8: Statistics of WebRTC media

```
Start at: 2017-12-12 00:53:36
End at: 2017-12-12 00:54:06
Local clock offset: 4.229 ms
Remote clock offset: -13.701 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: -6.195 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -5.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -5.059 ms
Loss rate: 0.06%
```

Run 8: Report of WebRTC media — Data Link

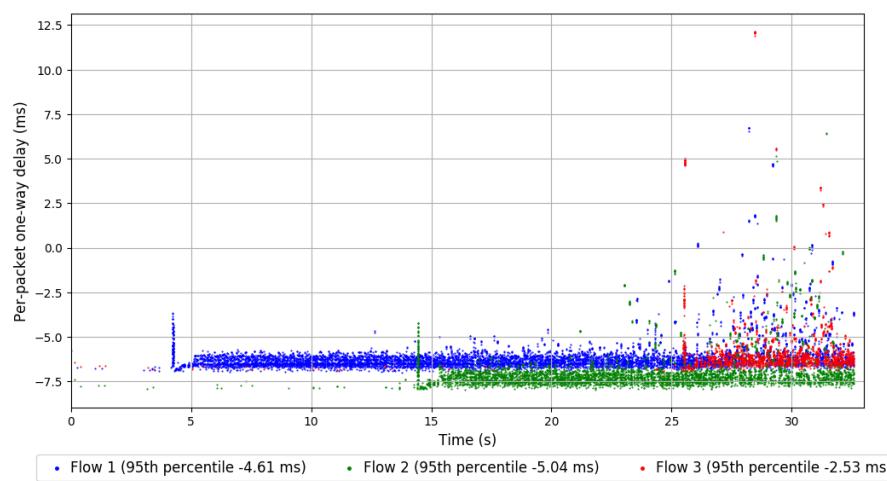
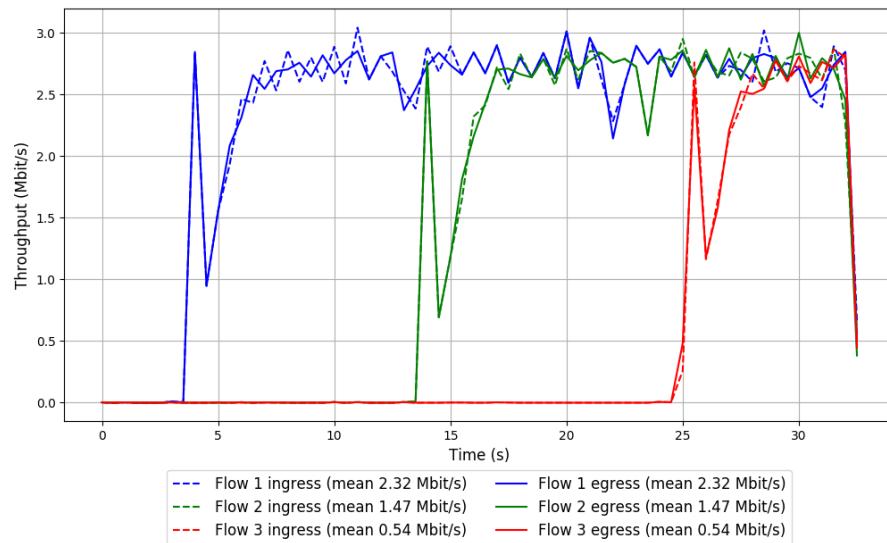


Run 9: Statistics of WebRTC media

```
Start at: 2017-12-12 01:10:13
End at: 2017-12-12 01:10:43
Local clock offset: 4.762 ms
Remote clock offset: -11.644 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: -4.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -5.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -2.529 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

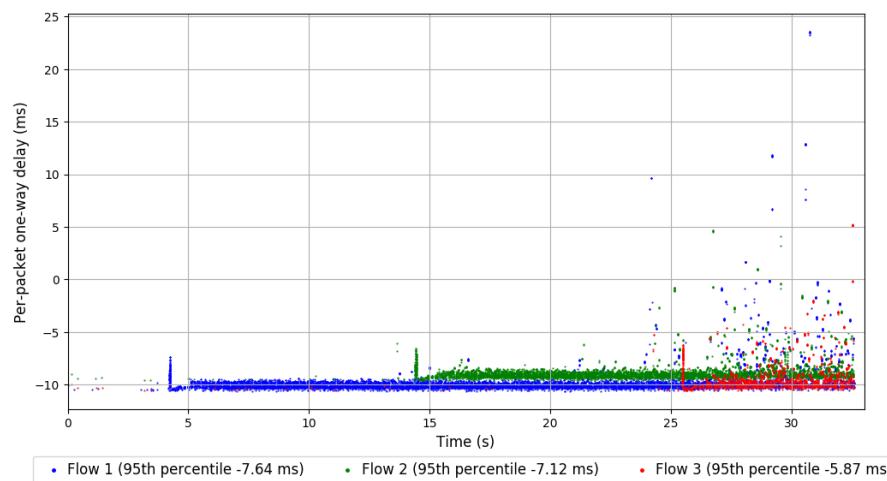
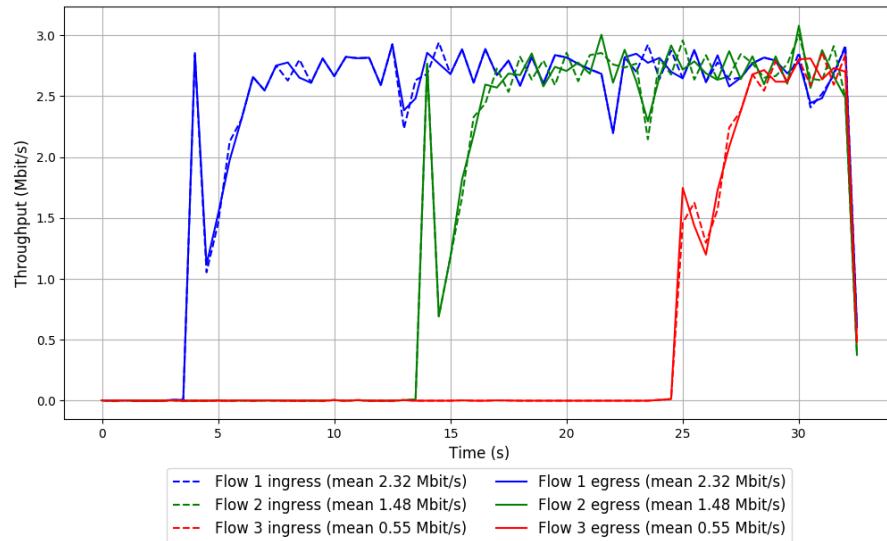


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-12-12 01:26:49
End at: 2017-12-12 01:27:19
Local clock offset: 6.259 ms
Remote clock offset: -11.35 ms

# Below is generated by plot.py at 2017-12-12 02:04:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -7.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -7.116 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -5.874 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

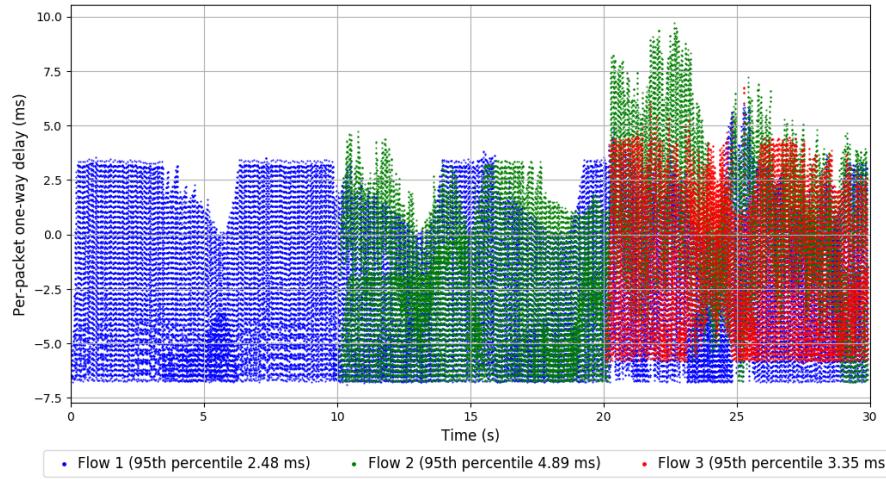
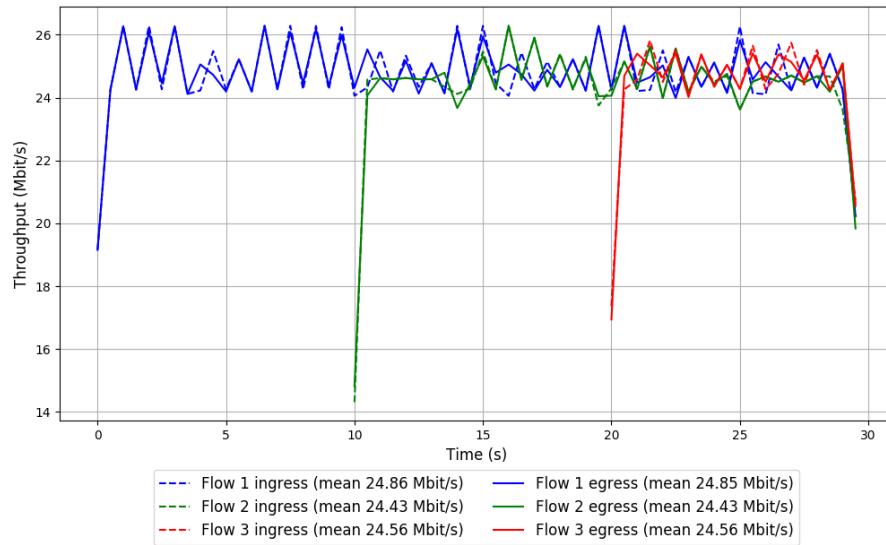


Run 1: Statistics of Sprout

```
Start at: 2017-12-11 22:49:49
End at: 2017-12-11 22:50:19
Local clock offset: 3.66 ms
Remote clock offset: -13.22 ms

# Below is generated by plot.py at 2017-12-12 02:05:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 4.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 3.355 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

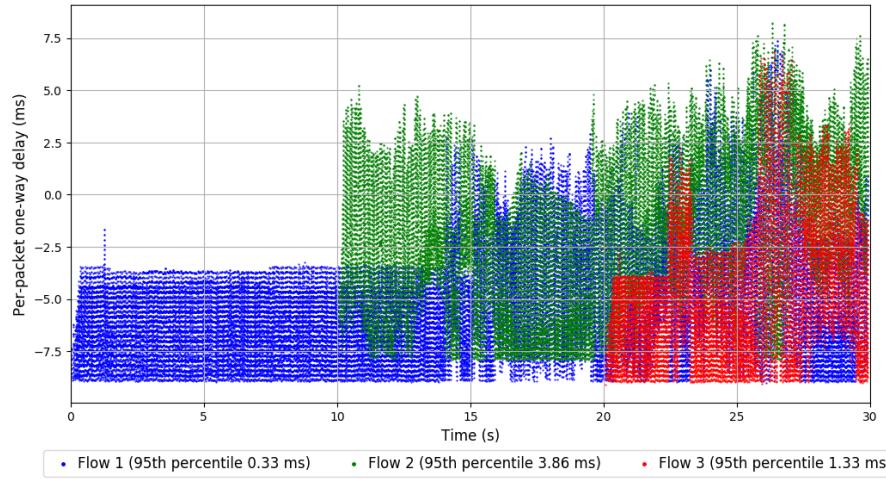
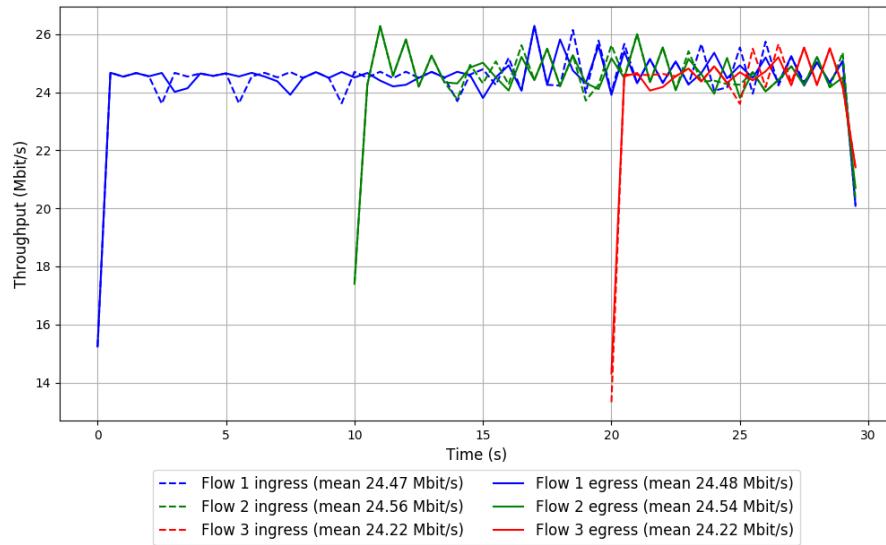


Run 2: Statistics of Sprout

```
Start at: 2017-12-11 23:06:25
End at: 2017-12-11 23:06:55
Local clock offset: 3.971 ms
Remote clock offset: -13.999 ms

# Below is generated by plot.py at 2017-12-12 02:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 2.585 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 0.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 3.862 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

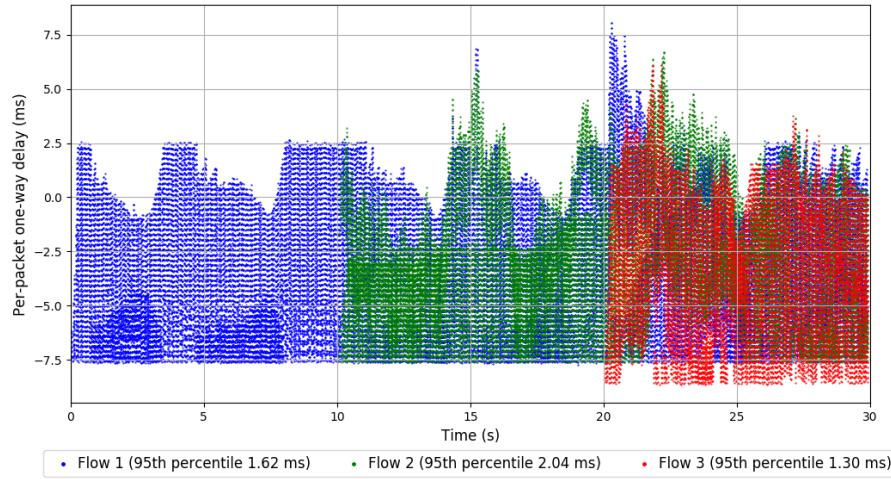
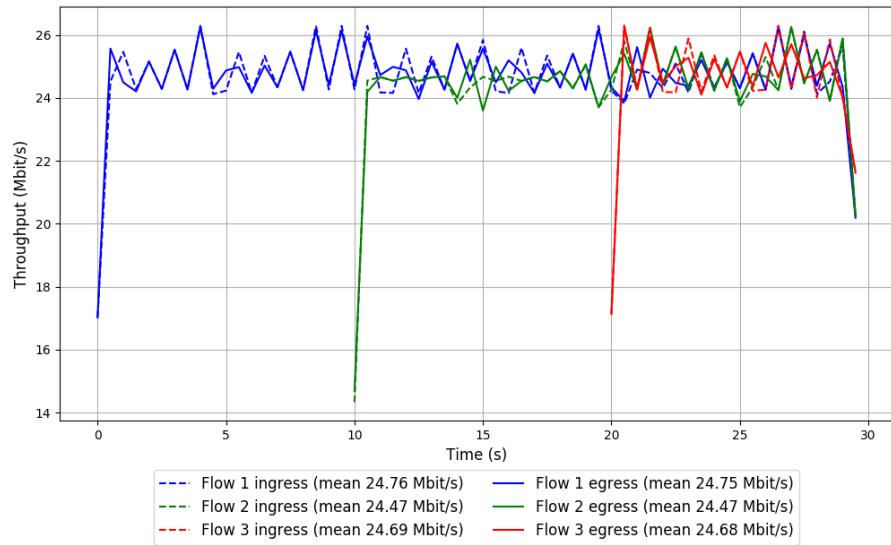


Run 3: Statistics of Sprout

```
Start at: 2017-12-11 23:22:56
End at: 2017-12-11 23:23:26
Local clock offset: 3.156 ms
Remote clock offset: -15.699 ms

# Below is generated by plot.py at 2017-12-12 02:05:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 1.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 1.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 2.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

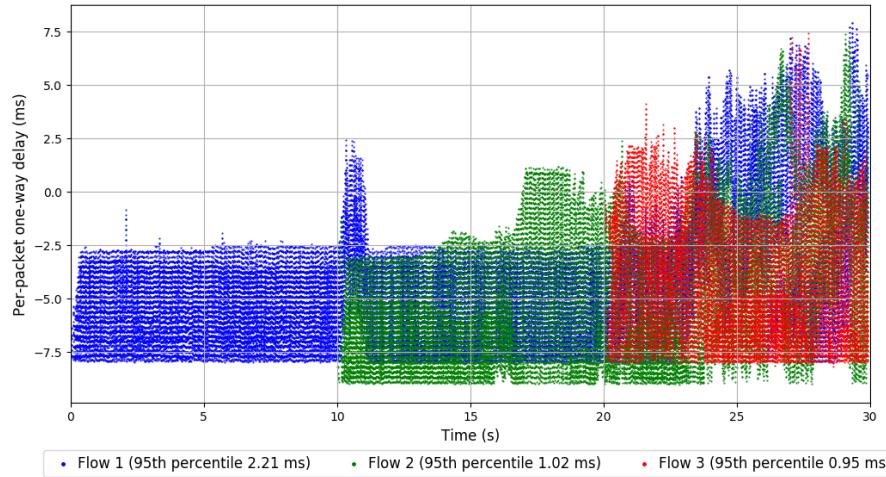
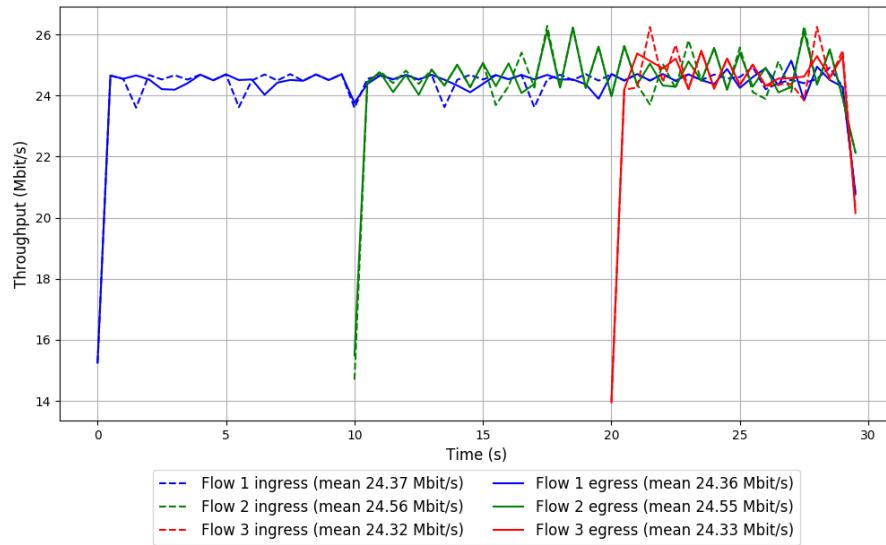


Run 4: Statistics of Sprout

```
Start at: 2017-12-11 23:39:19
End at: 2017-12-11 23:39:49
Local clock offset: 3.123 ms
Remote clock offset: -16.342 ms

# Below is generated by plot.py at 2017-12-12 02:05:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 1.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 2.205 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

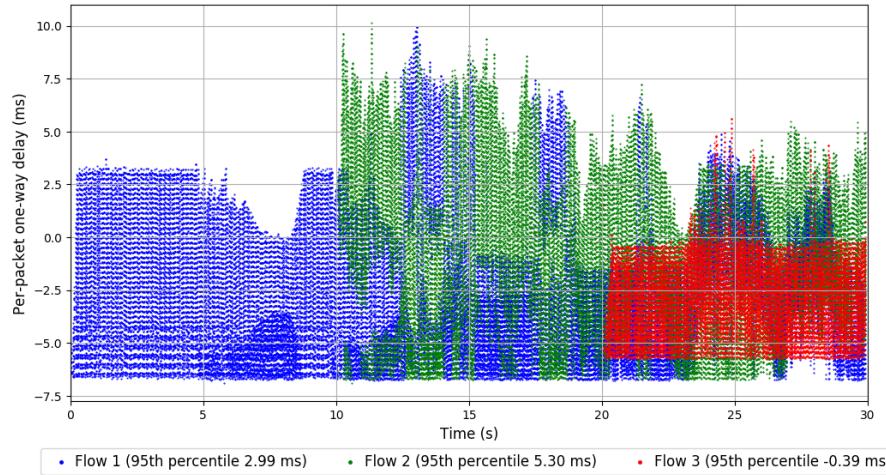
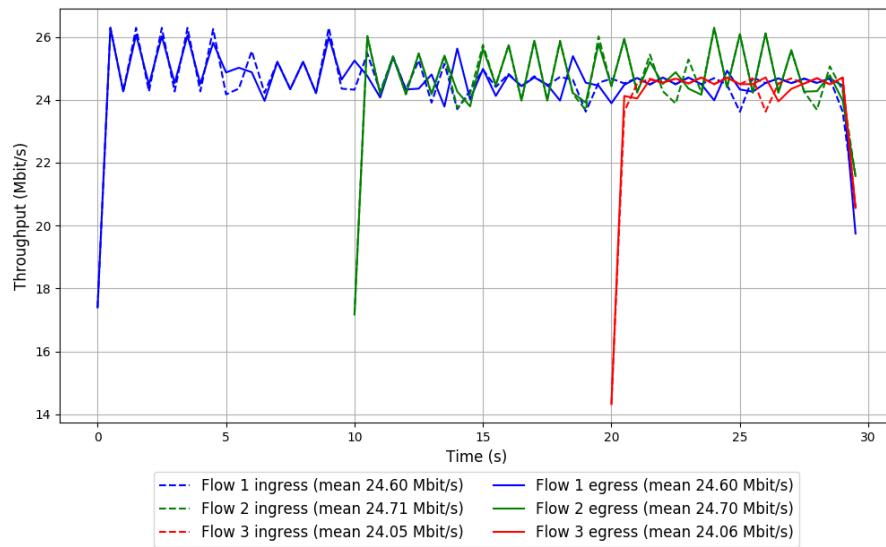


Run 5: Statistics of Sprout

```
Start at: 2017-12-11 23:55:47
End at: 2017-12-11 23:56:17
Local clock offset: 3.519 ms
Remote clock offset: -13.306 ms

# Below is generated by plot.py at 2017-12-12 02:05:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 3.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 2.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 5.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: -0.386 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

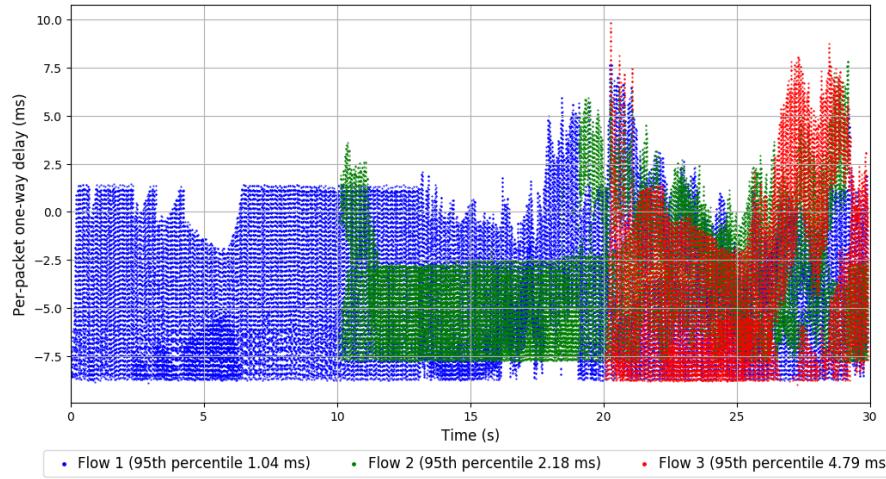
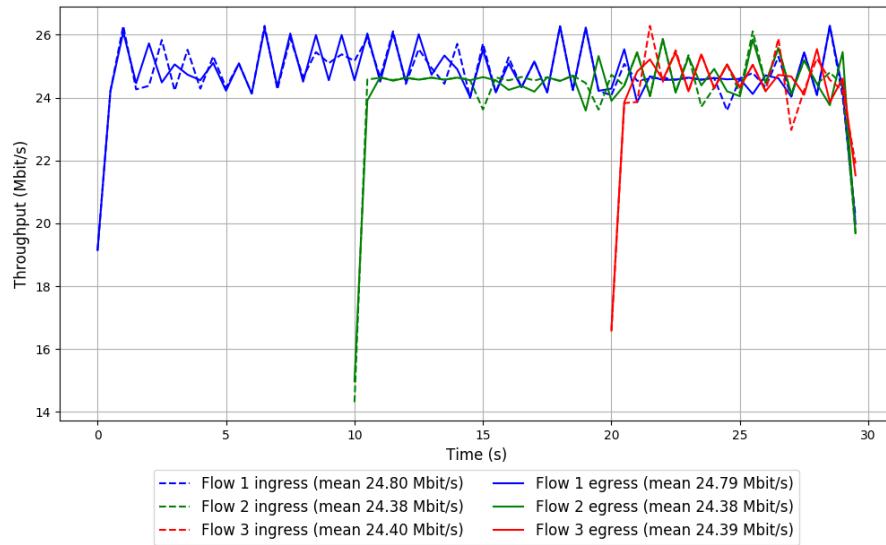


Run 6: Statistics of Sprout

```
Start at: 2017-12-12 00:12:27
End at: 2017-12-12 00:12:57
Local clock offset: 3.638 ms
Remote clock offset: -15.126 ms

# Below is generated by plot.py at 2017-12-12 02:05:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.06 Mbit/s
95th percentile per-packet one-way delay: 2.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 2.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 4.792 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

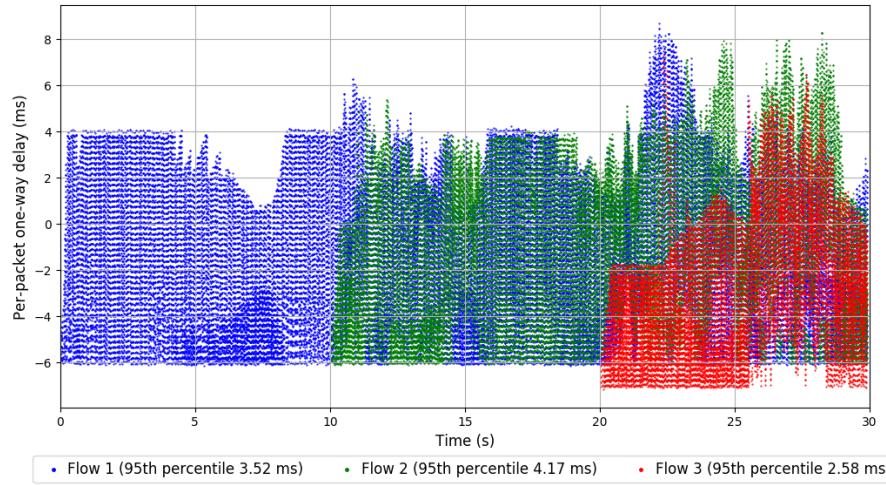
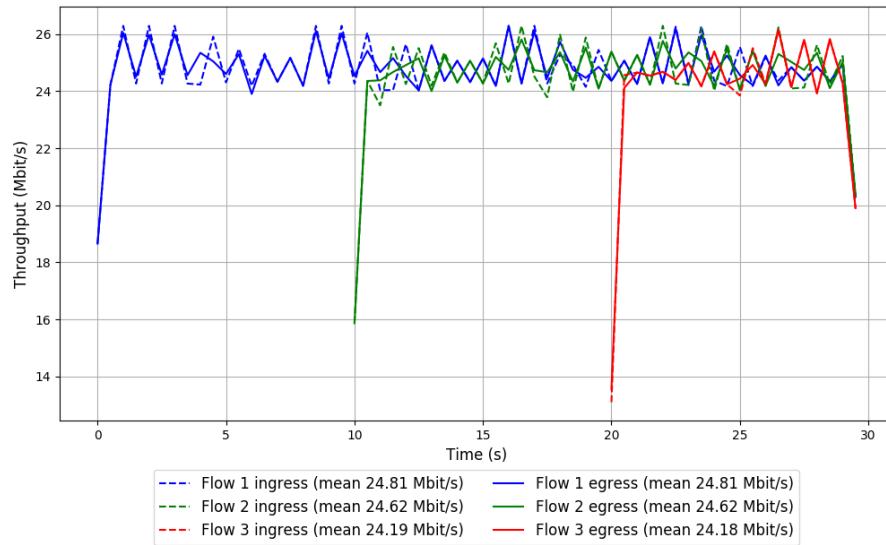


Run 7: Statistics of Sprout

```
Start at: 2017-12-12 00:28:57
End at: 2017-12-12 00:29:27
Local clock offset: 3.493 ms
Remote clock offset: -12.95 ms

# Below is generated by plot.py at 2017-12-12 02:05:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 3.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 3.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 4.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

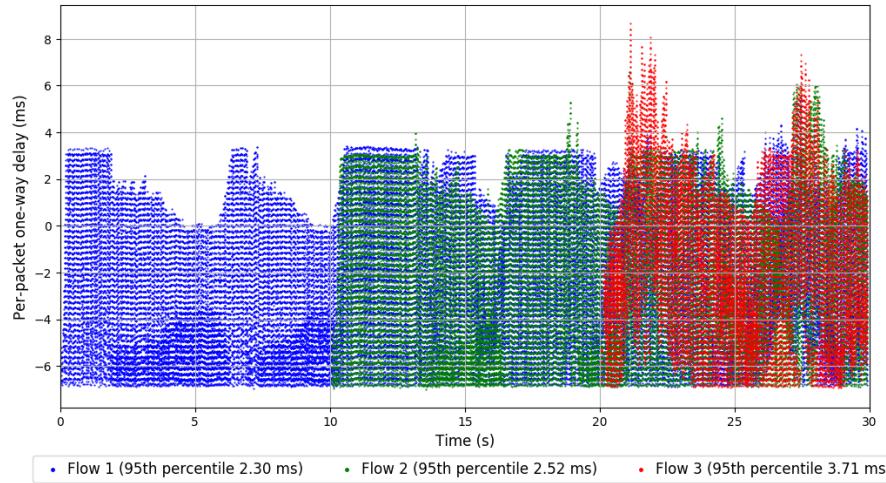
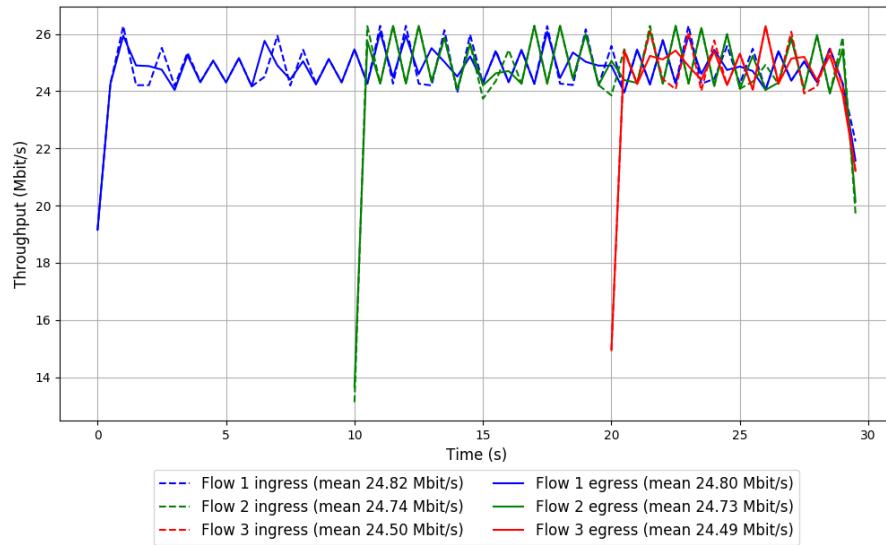


Run 8: Statistics of Sprout

```
Start at: 2017-12-12 00:45:26
End at: 2017-12-12 00:45:56
Local clock offset: 5.377 ms
Remote clock offset: -10.567 ms

# Below is generated by plot.py at 2017-12-12 02:05:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 2.296 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 2.525 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 3.714 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

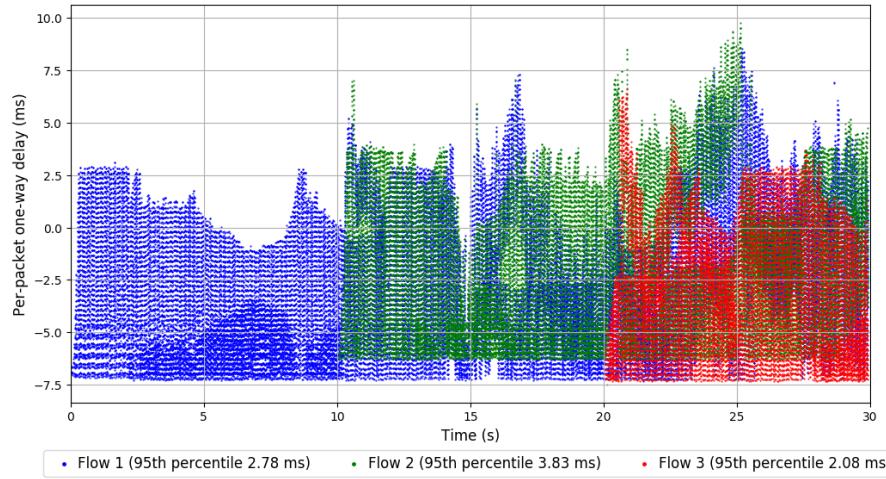
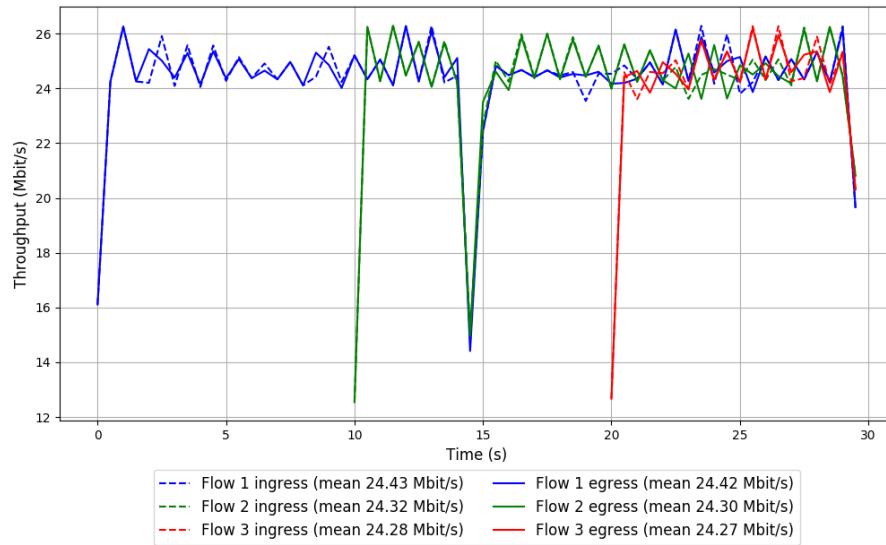


Run 9: Statistics of Sprout

```
Start at: 2017-12-12 01:01:55
End at: 2017-12-12 01:02:25
Local clock offset: 0.113 ms
Remote clock offset: -16.289 ms

# Below is generated by plot.py at 2017-12-12 02:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 3.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 2.782 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 3.835 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

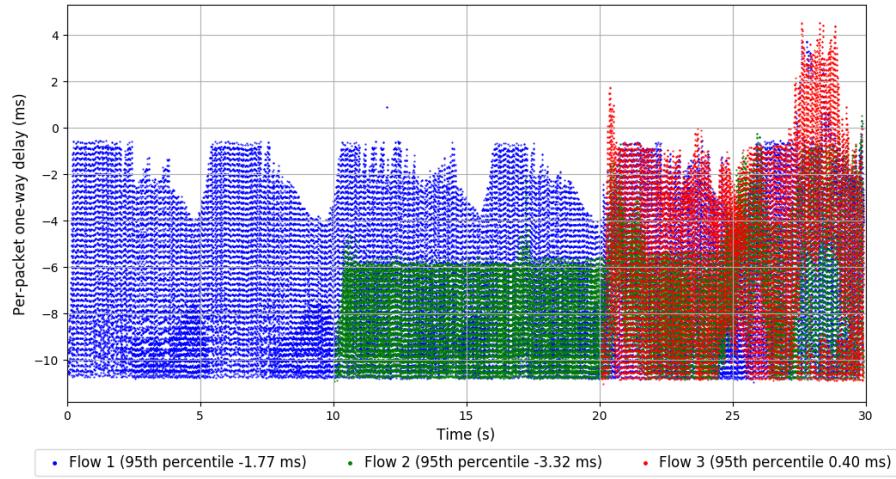
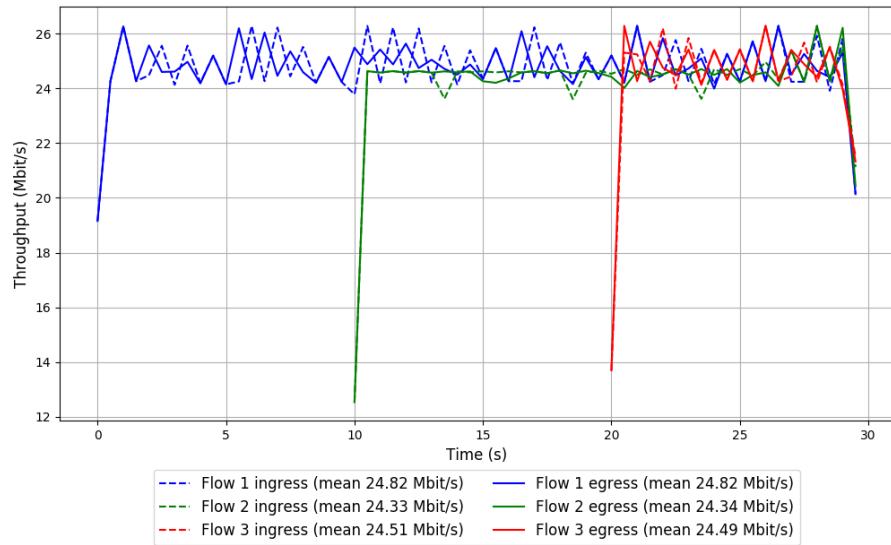


Run 10: Statistics of Sprout

```
Start at: 2017-12-12 01:18:38
End at: 2017-12-12 01:19:08
Local clock offset: 6.855 ms
Remote clock offset: -12.043 ms

# Below is generated by plot.py at 2017-12-12 02:05:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.10 Mbit/s
95th percentile per-packet one-way delay: -1.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: -1.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: -3.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 0.397 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

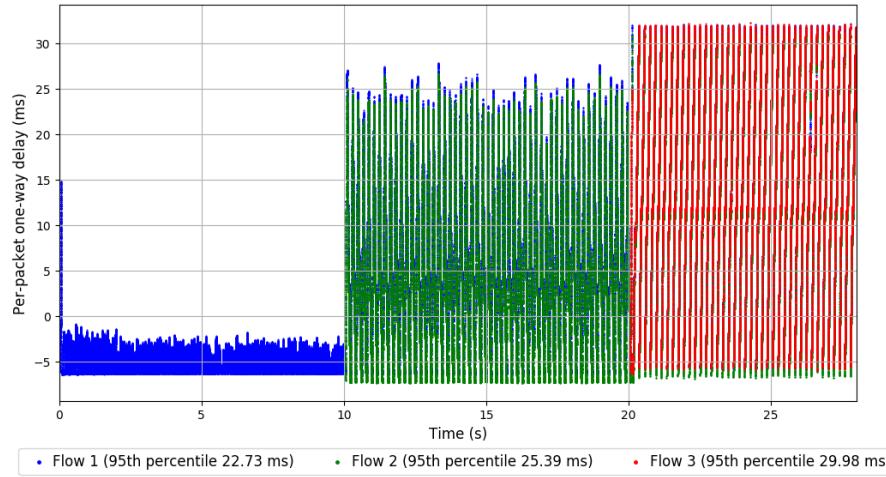
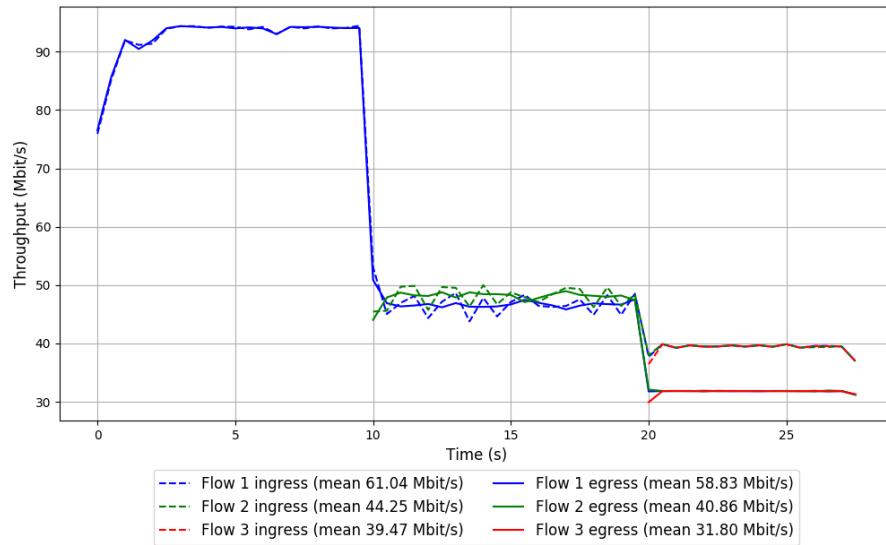


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-12-11 22:48:35
End at: 2017-12-11 22:49:05
Local clock offset: 3.097 ms
Remote clock offset: -14.344 ms

# Below is generated by plot.py at 2017-12-12 02:07:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 25.105 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 22.735 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 25.394 ms
Loss rate: 7.53%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 19.16%
```

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

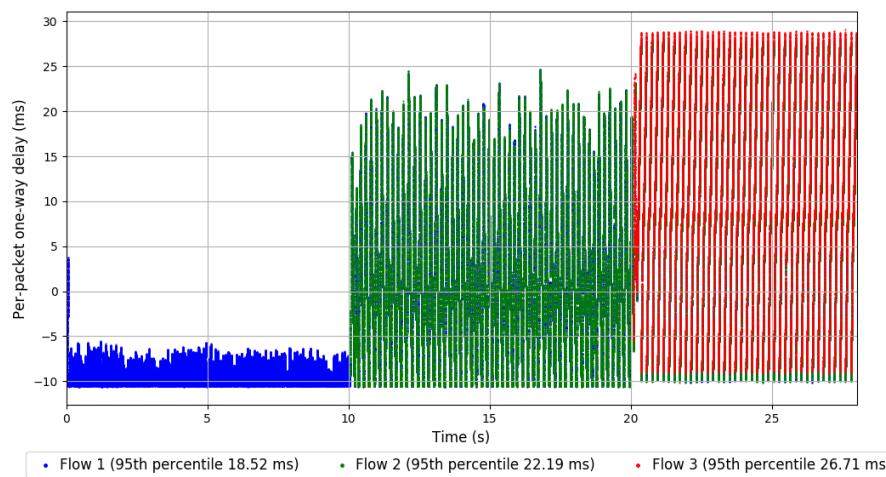
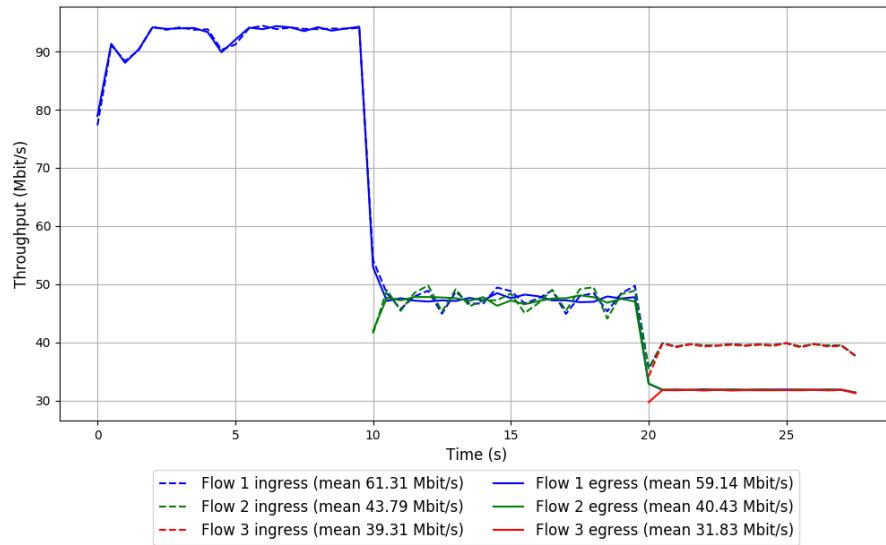


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-12-11 23:05:09
End at: 2017-12-11 23:05:39
Local clock offset: 5.269 ms
Remote clock offset: -14.489 ms

# Below is generated by plot.py at 2017-12-12 02:07:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 21.454 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 18.525 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 22.194 ms
Loss rate: 7.55%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 26.707 ms
Loss rate: 18.98%
```

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

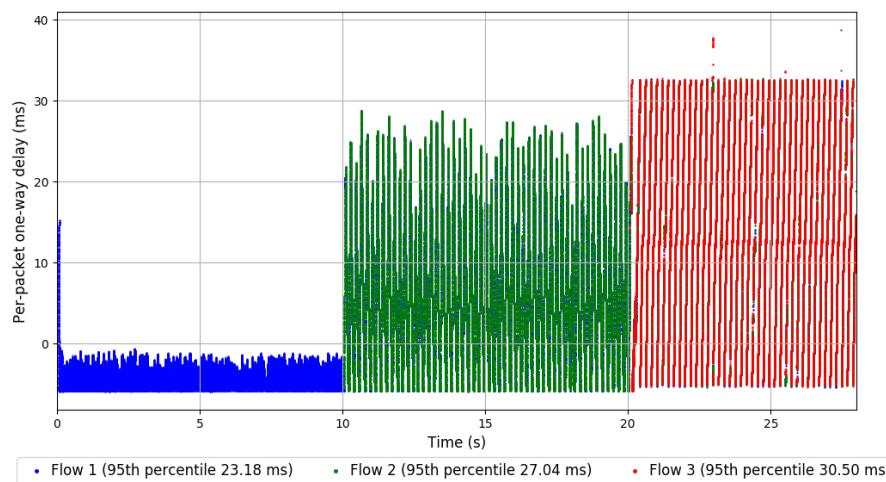
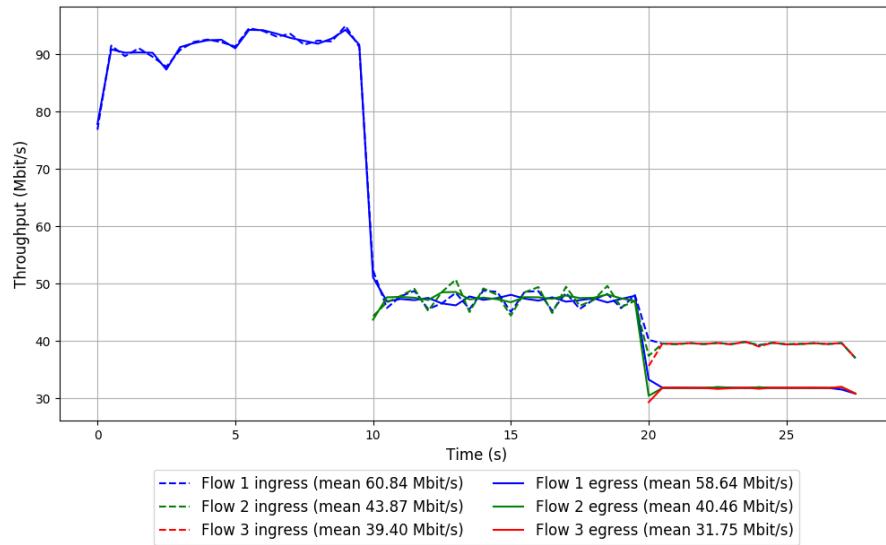


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-12-11 23:21:39
End at: 2017-12-11 23:22:09
Local clock offset: 3.015 ms
Remote clock offset: -14.033 ms

# Below is generated by plot.py at 2017-12-12 02:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 26.028 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 23.176 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 27.036 ms
Loss rate: 7.65%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 30.500 ms
Loss rate: 19.23%
```

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

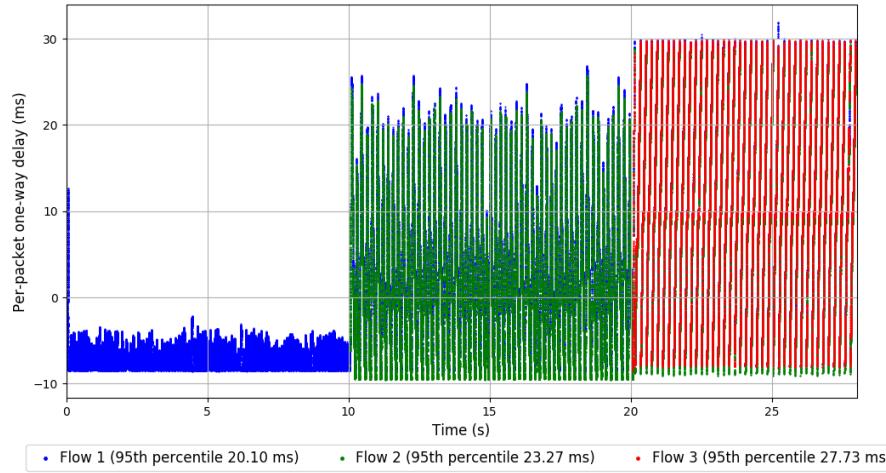
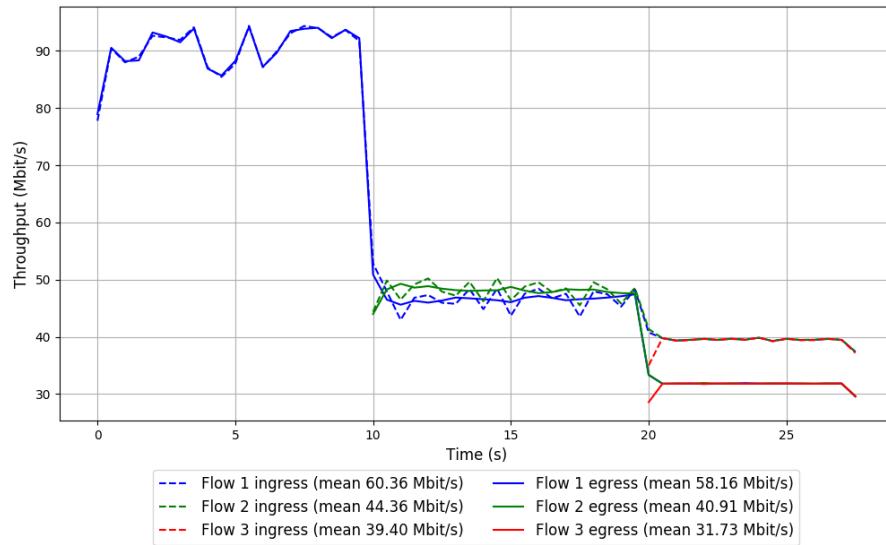


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-12-11 23:38:05
End at: 2017-12-11 23:38:35
Local clock offset: 5.705 ms
Remote clock offset: -14.431 ms

# Below is generated by plot.py at 2017-12-12 02:07:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 22.951 ms
Loss rate: 6.60%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 20.100 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 23.269 ms
Loss rate: 7.77%
-- Flow 3:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 27.735 ms
Loss rate: 19.51%
```

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

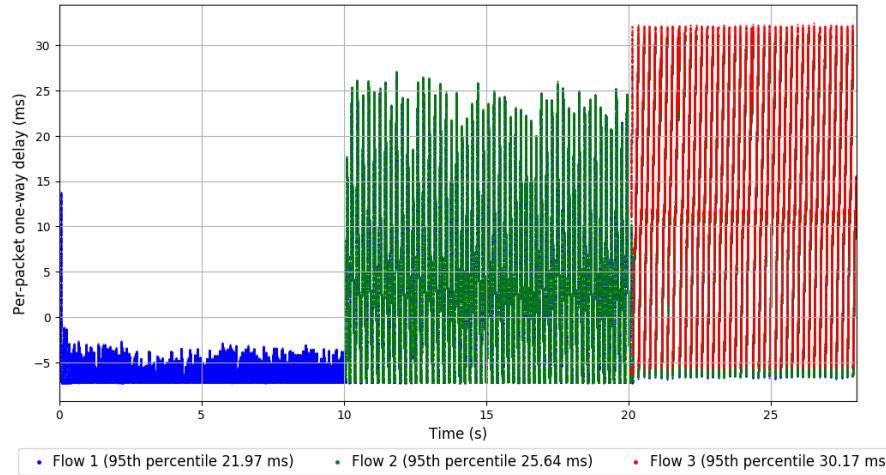
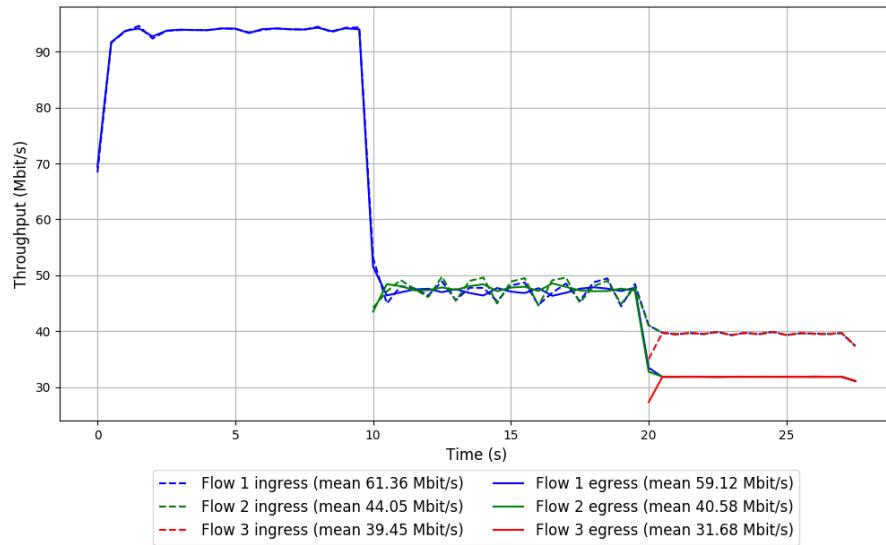


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-12-11 23:54:33
End at: 2017-12-11 23:55:03
Local clock offset: 4.285 ms
Remote clock offset: -13.138 ms

# Below is generated by plot.py at 2017-12-12 02:08:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 24.996 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 21.967 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 25.640 ms
Loss rate: 7.77%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 30.170 ms
Loss rate: 19.51%
```

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

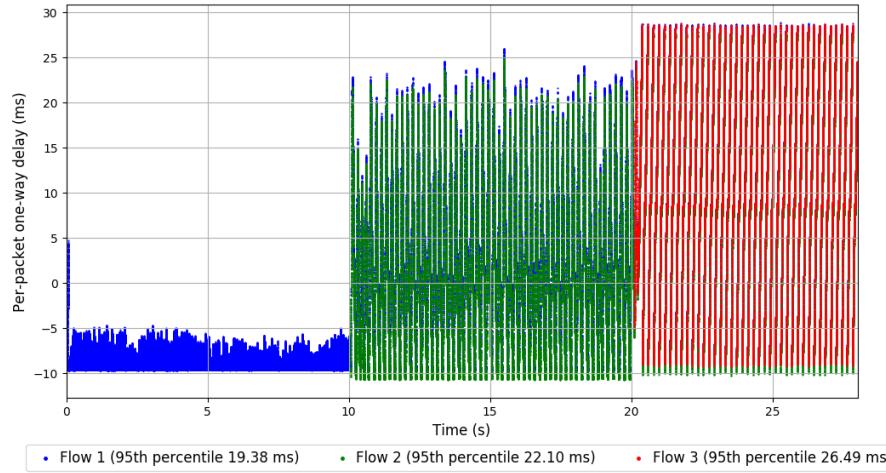
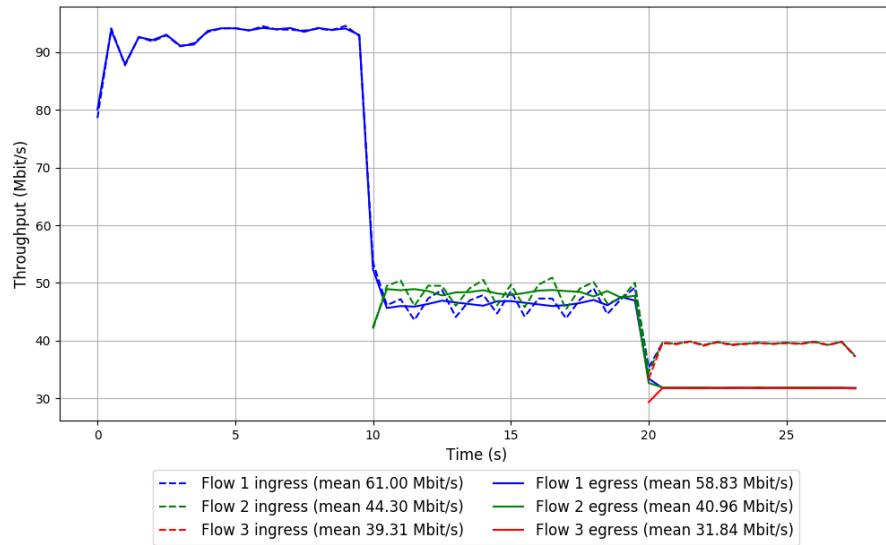


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-12-12 00:11:12
End at: 2017-12-12 00:11:42
Local clock offset: 6.373 ms
Remote clock offset: -14.346 ms

# Below is generated by plot.py at 2017-12-12 02:08:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 21.799 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 22.101 ms
Loss rate: 7.39%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 26.494 ms
Loss rate: 18.84%
```

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

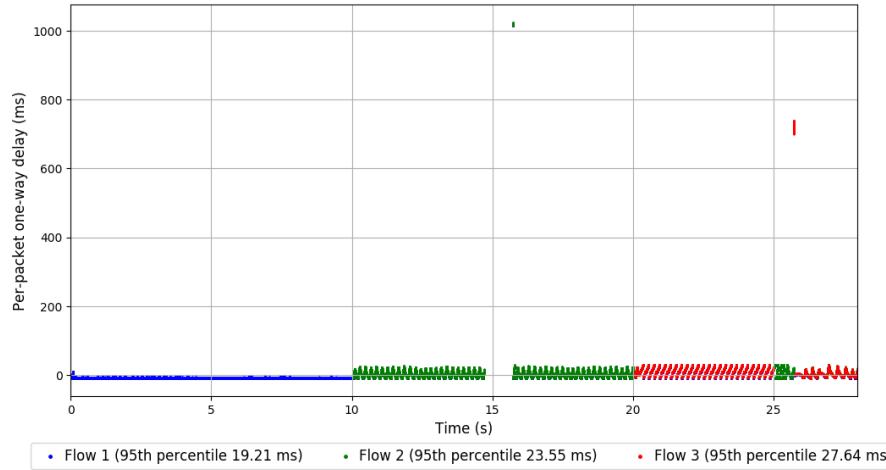
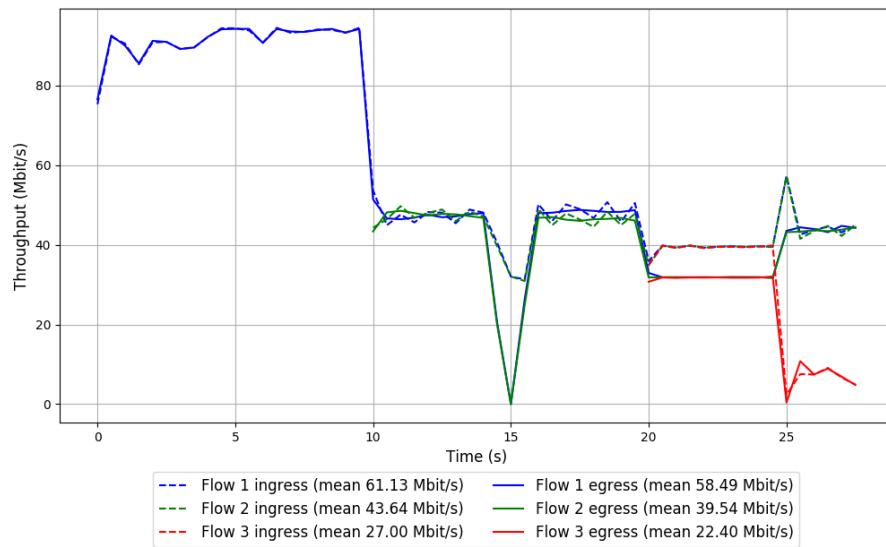


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-12-12 00:27:43
End at: 2017-12-12 00:28:13
Local clock offset: 5.993 ms
Remote clock offset: -13.055 ms

# Below is generated by plot.py at 2017-12-12 02:08:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 22.057 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 9.27%
-- Flow 3:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 27.642 ms
Loss rate: 16.91%
```

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

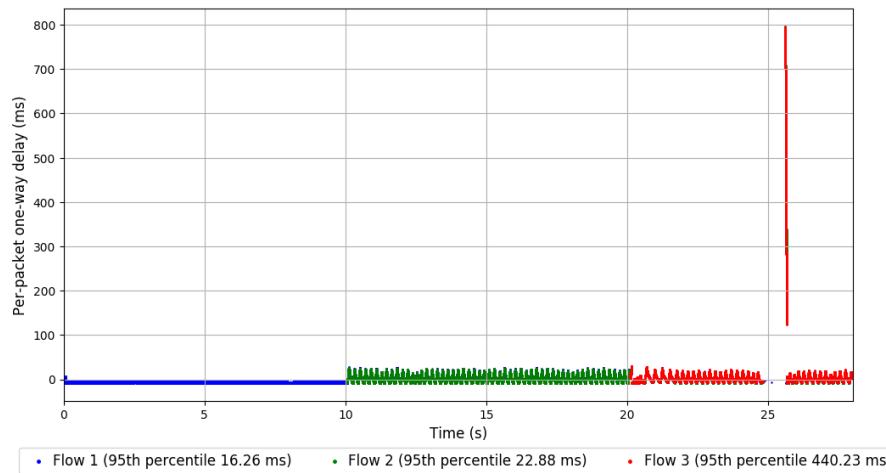
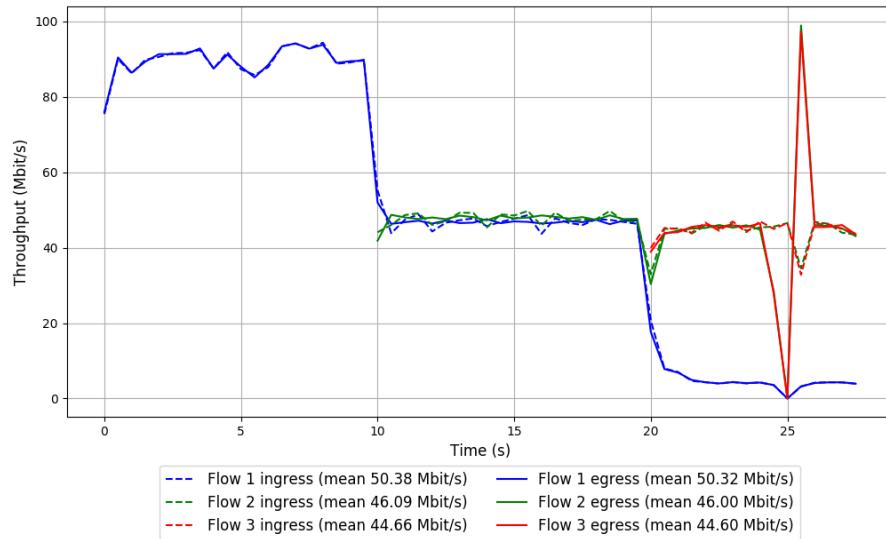


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-12-12 00:44:10
End at: 2017-12-12 00:44:40
Local clock offset: 3.597 ms
Remote clock offset: -14.136 ms

# Below is generated by plot.py at 2017-12-12 02:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 20.437 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 16.261 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 22.879 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 440.230 ms
Loss rate: 0.22%
```

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

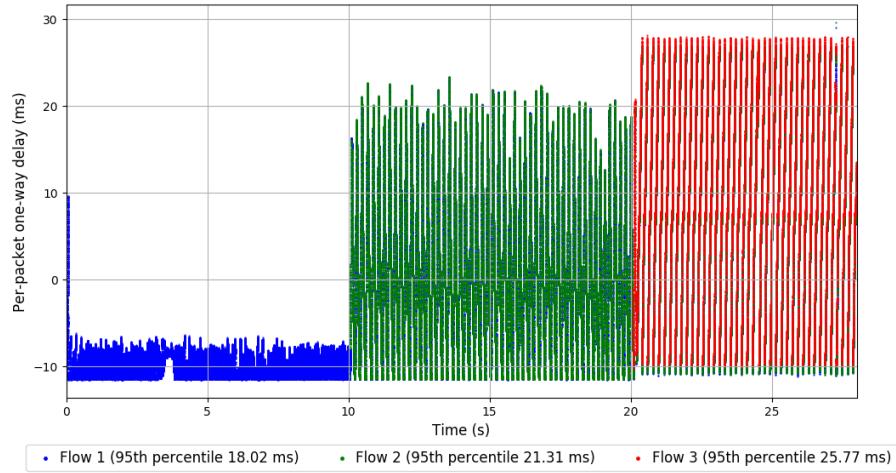
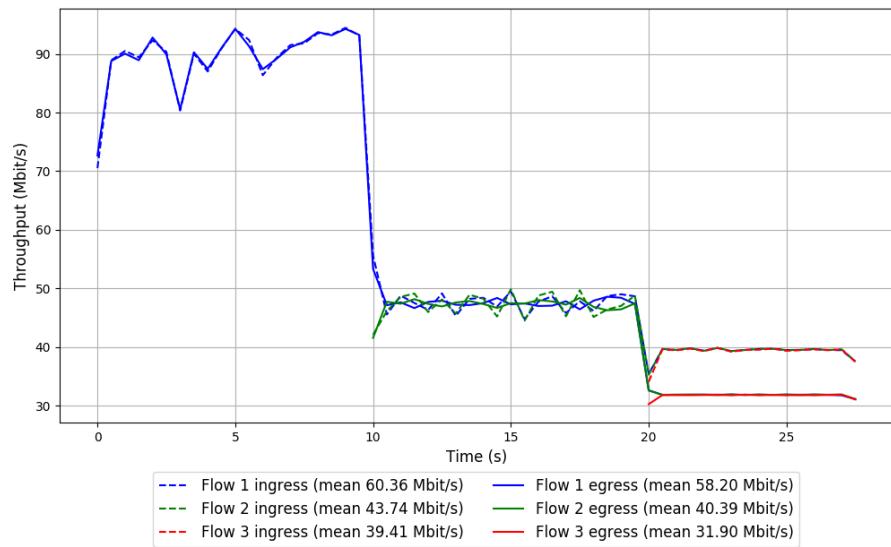


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-12-12 01:00:39
End at: 2017-12-12 01:01:09
Local clock offset: 7.534 ms
Remote clock offset: -13.016 ms

# Below is generated by plot.py at 2017-12-12 02:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 20.637 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 18.023 ms
Loss rate: 3.50%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 21.310 ms
Loss rate: 7.53%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 25.766 ms
Loss rate: 18.92%
```

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

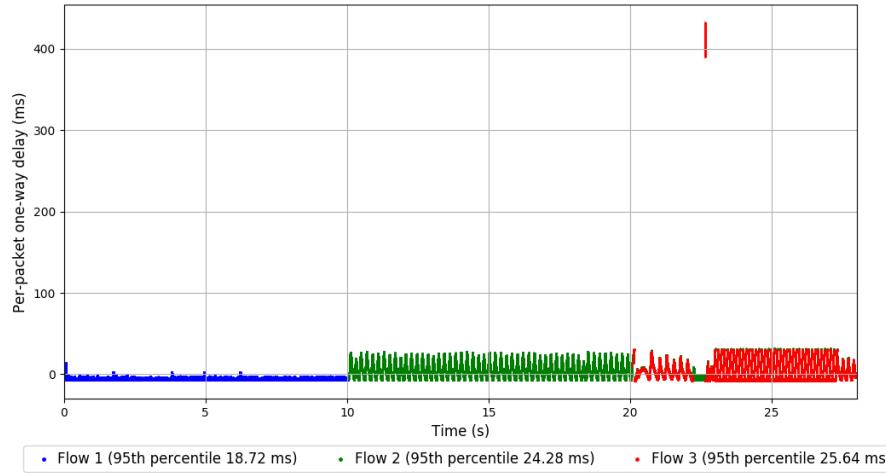
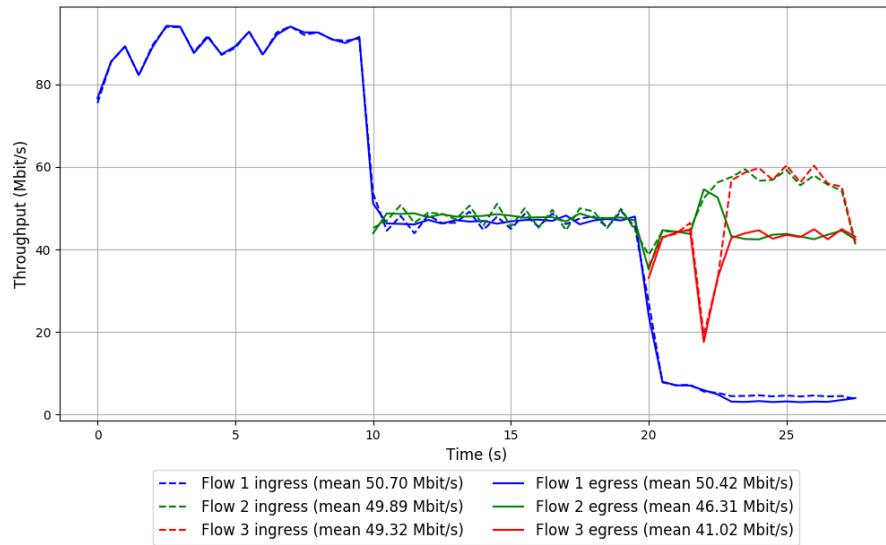


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-12 01:17:22
End at: 2017-12-12 01:17:52
Local clock offset: 4.099 ms
Remote clock offset: -12.171 ms

# Below is generated by plot.py at 2017-12-12 02:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 22.485 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 18.720 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 24.283 ms
Loss rate: 7.15%
-- Flow 3:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 25.635 ms
Loss rate: 16.79%
```

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

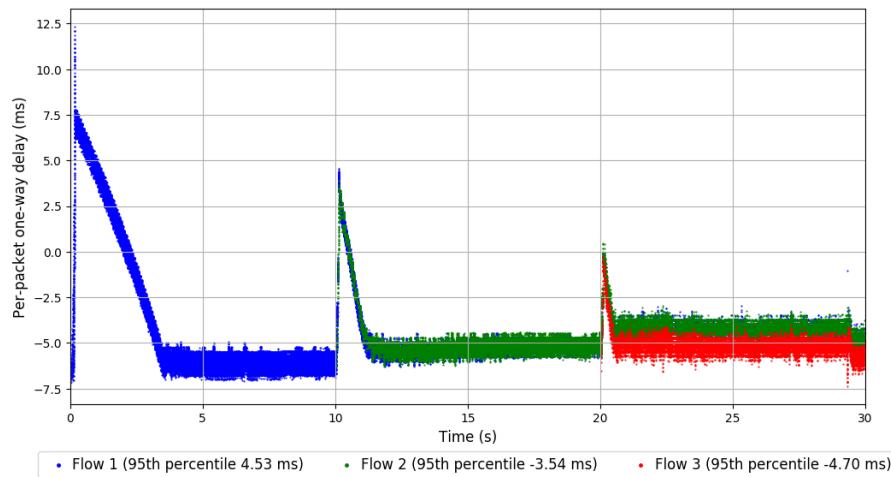
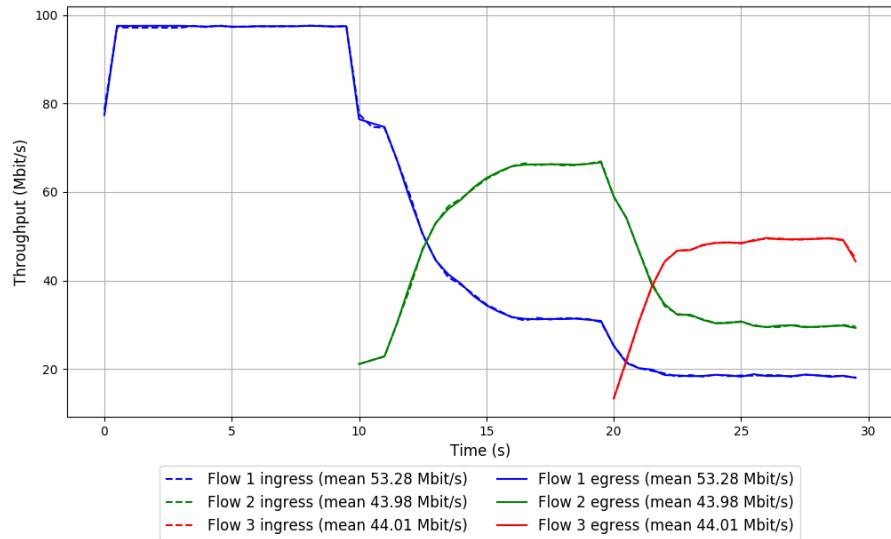


Run 1: Statistics of TCP Vegas

```
Start at: 2017-12-11 22:46:11
End at: 2017-12-11 22:46:41
Local clock offset: 5.89 ms
Remote clock offset: -12.102 ms

# Below is generated by plot.py at 2017-12-12 02:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 4.526 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.98 Mbit/s
95th percentile per-packet one-way delay: -3.542 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: -4.702 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

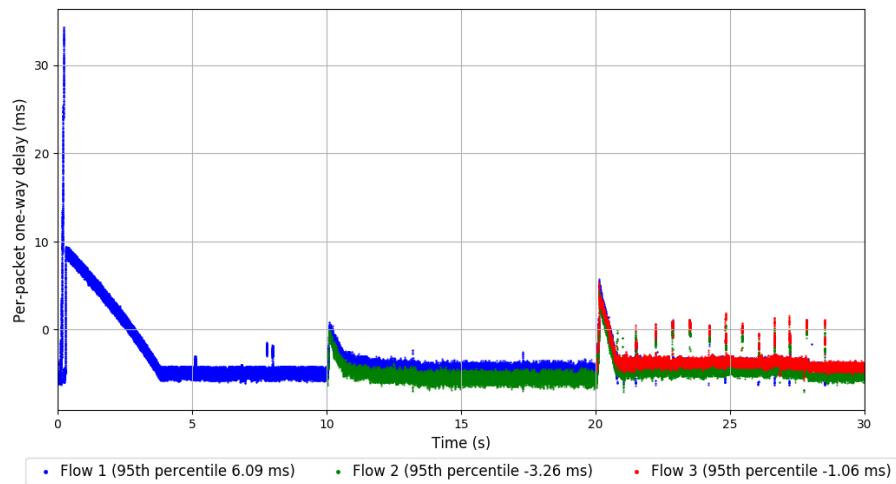
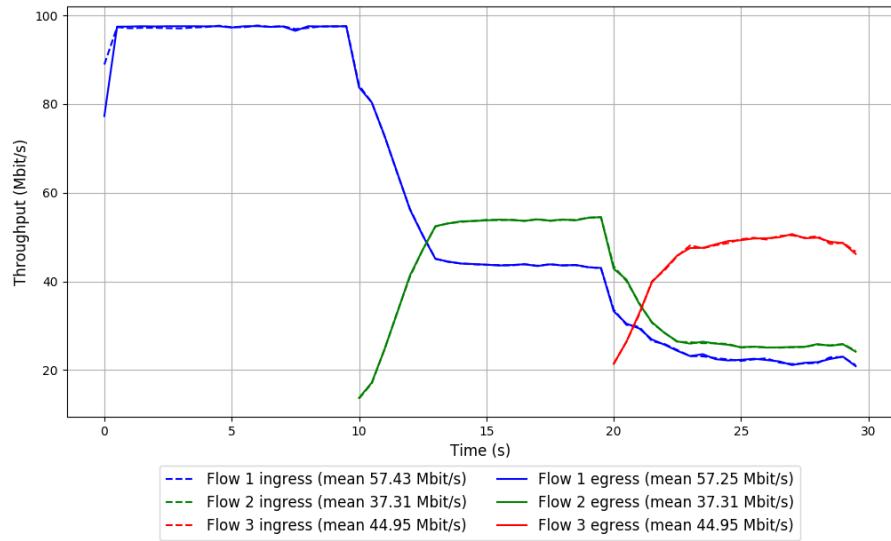


Run 2: Statistics of TCP Vegas

```
Start at: 2017-12-11 23:02:41
End at: 2017-12-11 23:03:11
Local clock offset: 2.716 ms
Remote clock offset: -14.073 ms

# Below is generated by plot.py at 2017-12-12 02:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 6.090 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: -3.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: -1.063 ms
Loss rate: 0.00%
```

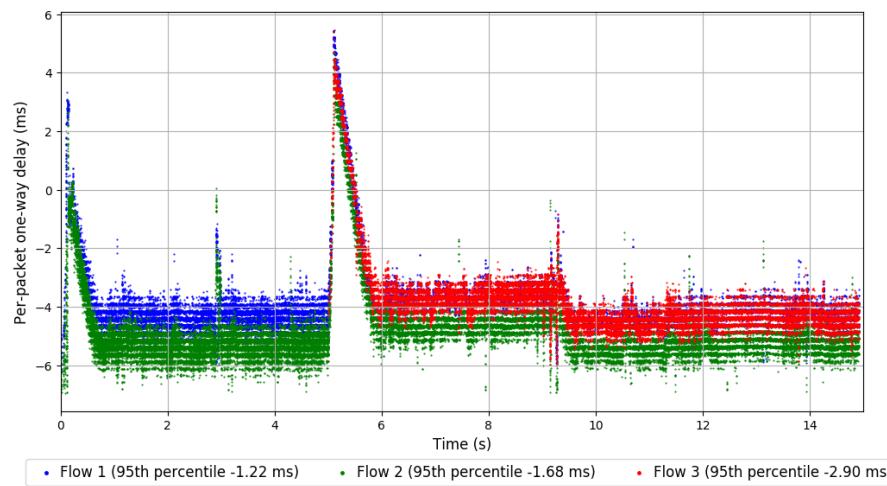
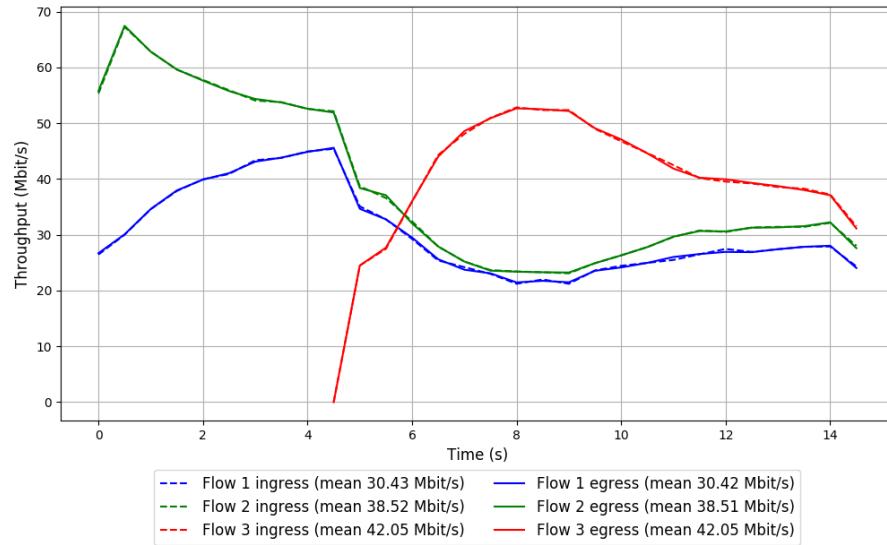
Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-12-11 23:19:17
End at: 2017-12-11 23:19:47
Local clock offset: 3.078 ms
Remote clock offset: -13.908 ms

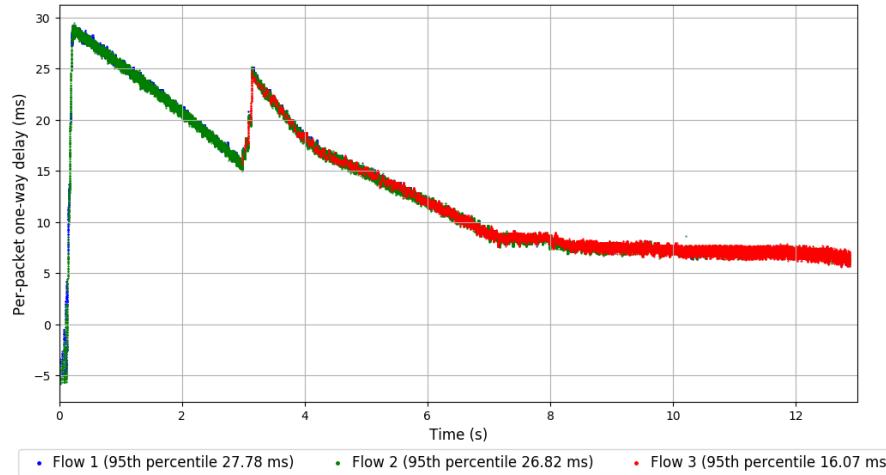
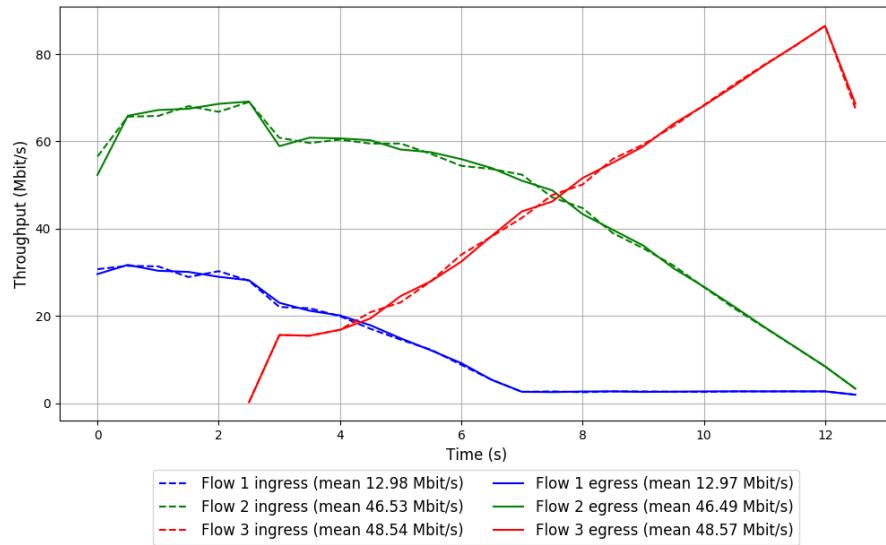
Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-12-11 23:35:44
End at: 2017-12-11 23:36:14
Local clock offset: 3.749 ms
Remote clock offset: -13.641 ms

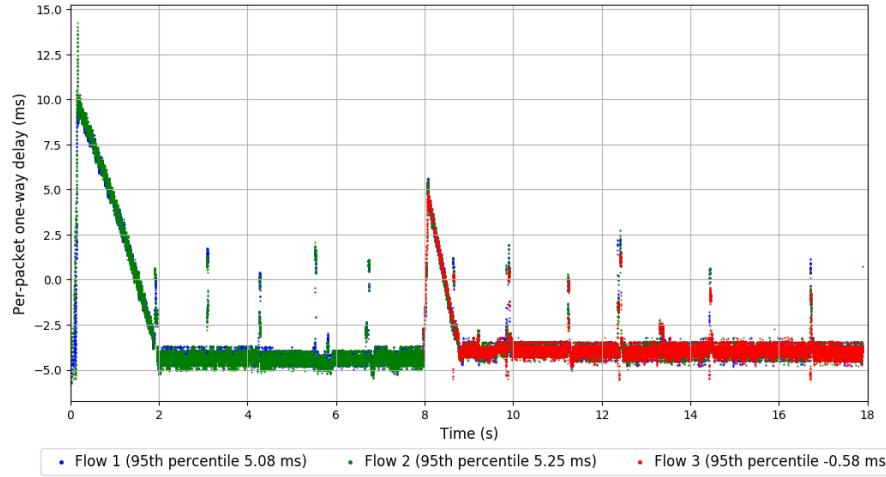
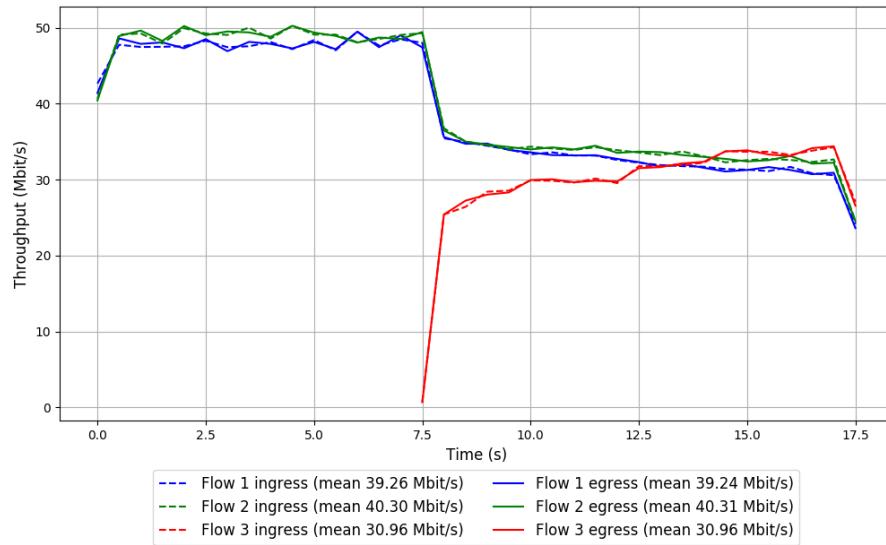
Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-12-11 23:52:12
End at: 2017-12-11 23:52:42
Local clock offset: 4.175 ms
Remote clock offset: -12.607 ms

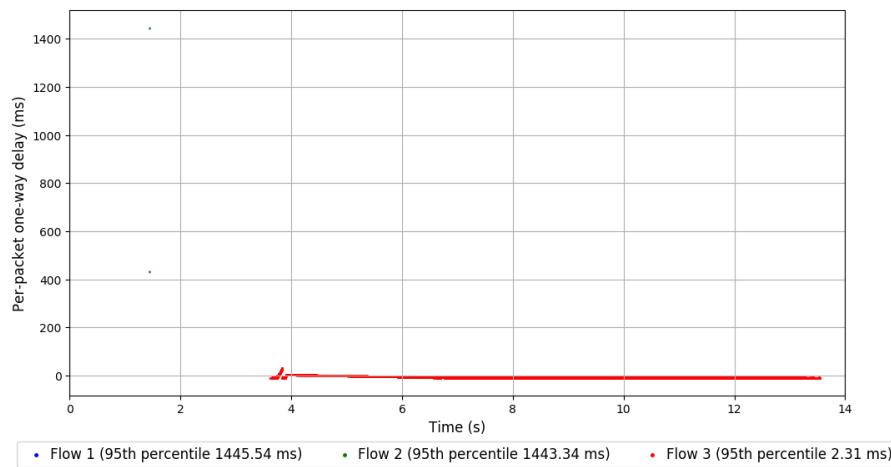
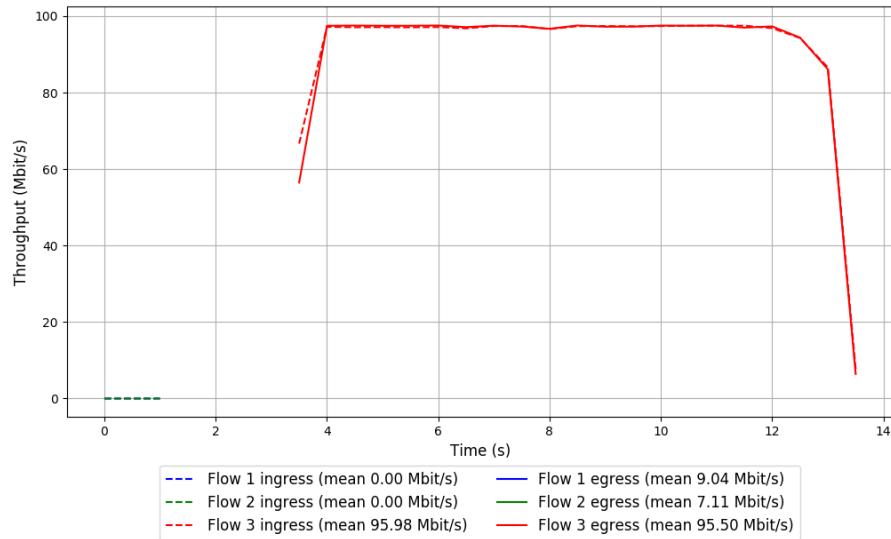
Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-12-12 00:08:45
End at: 2017-12-12 00:09:15
Local clock offset: 6.027 ms
Remote clock offset: -14.427 ms

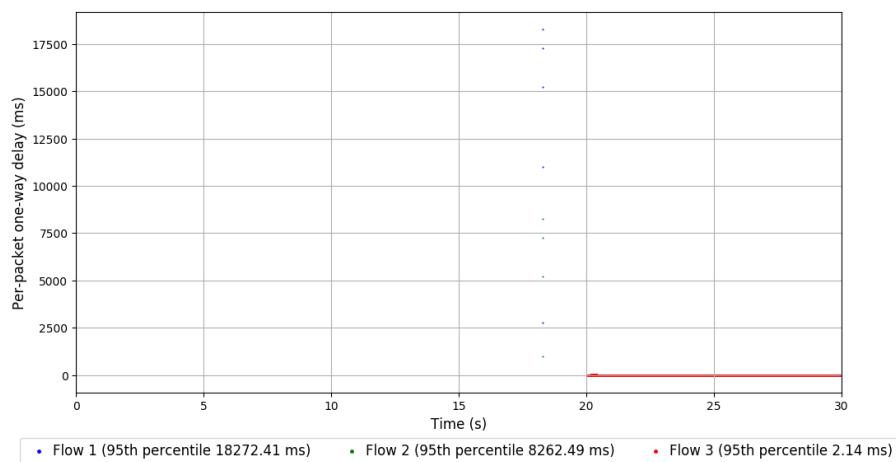
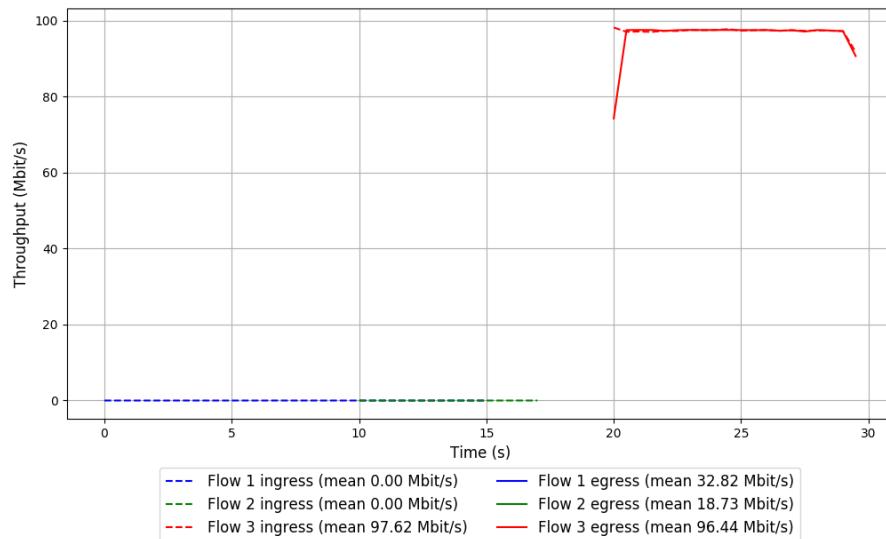
Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-12-12 00:25:20
End at: 2017-12-12 00:25:50
Local clock offset: 3.872 ms
Remote clock offset: -11.633 ms

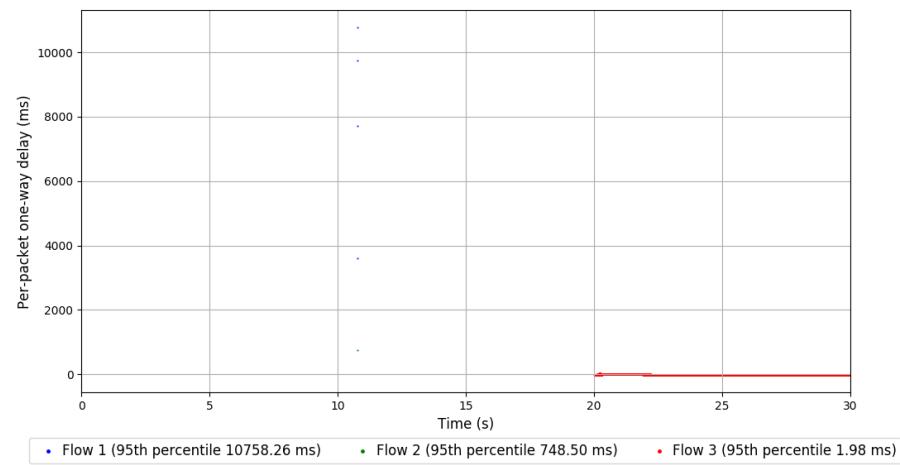
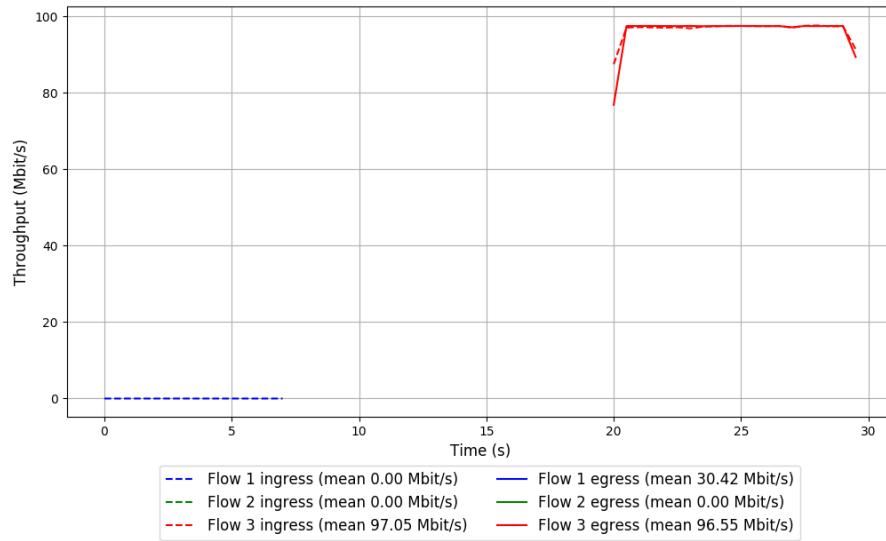
Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-12-12 00:41:49
End at: 2017-12-12 00:42:19
Local clock offset: 7.279 ms
Remote clock offset: -13.206 ms

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-12-12 00:58:18
End at: 2017-12-12 00:58:48
Local clock offset: 5.971 ms
Remote clock offset: -13.979 ms

Run 9: Report of TCP Vegas — Data Link

Figure is missing

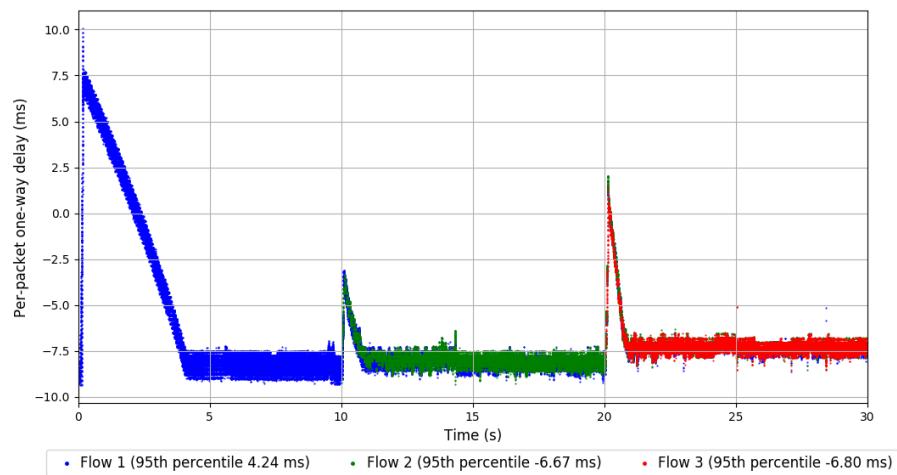
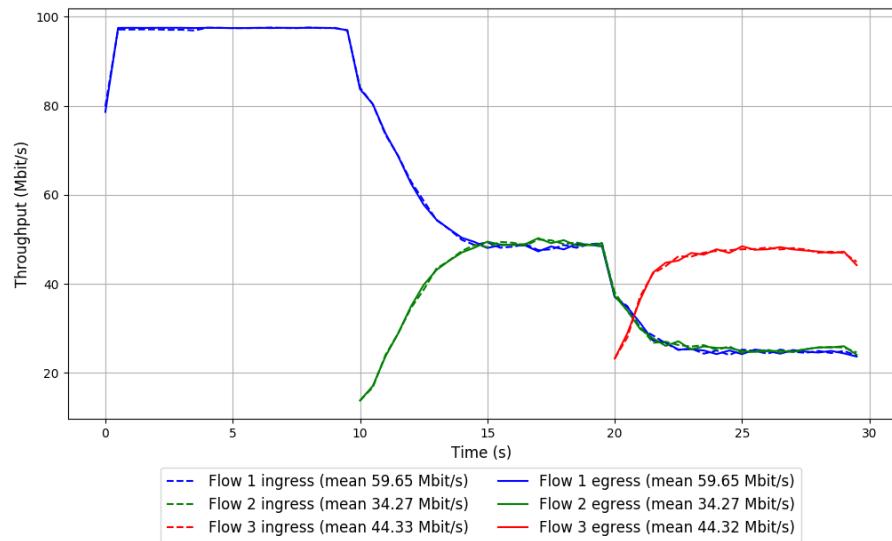
Figure is missing

Run 10: Statistics of TCP Vegas

```
Start at: 2017-12-12 01:14:56
End at: 2017-12-12 01:15:26
Local clock offset: 7.158 ms
Remote clock offset: -10.813 ms

# Below is generated by plot.py at 2017-12-12 02:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: -6.672 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: -6.802 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

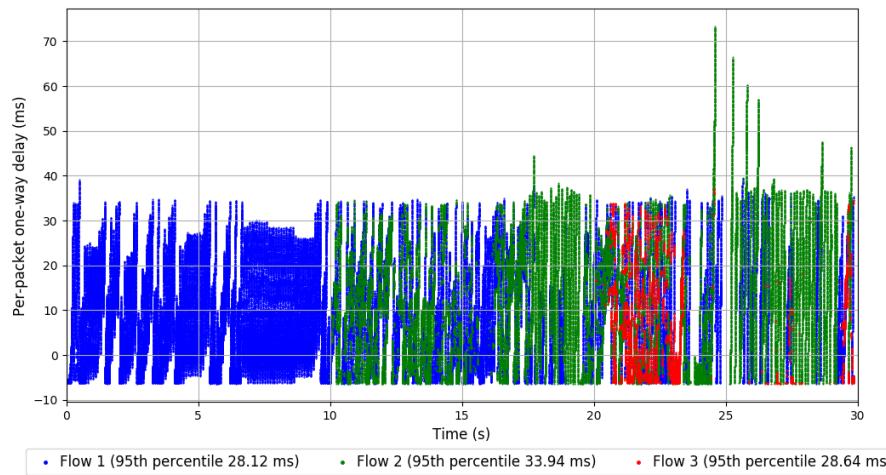
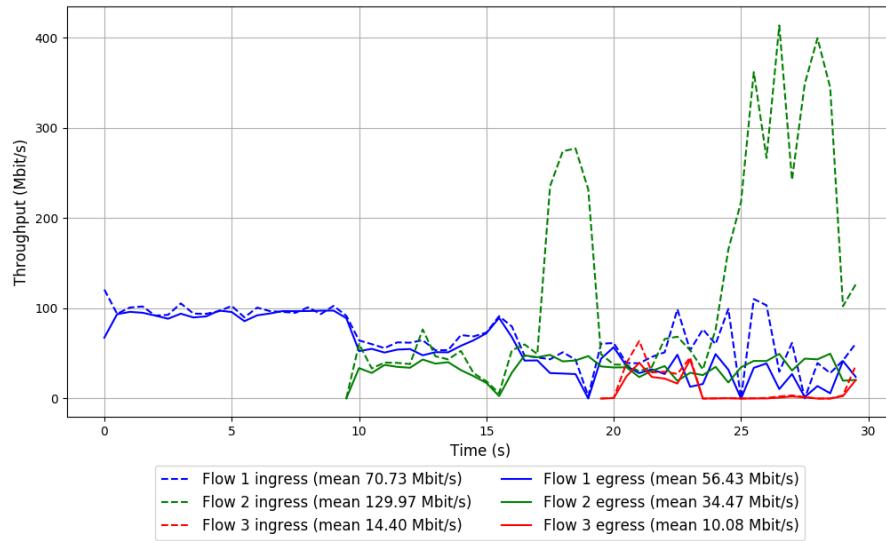


Run 1: Statistics of Verus

```
Start at: 2017-12-11 23:01:26
End at: 2017-12-11 23:01:56
Local clock offset: 2.541 ms
Remote clock offset: -13.423 ms

# Below is generated by plot.py at 2017-12-12 02:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 30.228 ms
Loss rate: 48.85%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 28.118 ms
Loss rate: 20.19%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 33.937 ms
Loss rate: 73.41%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 28.645 ms
Loss rate: 30.10%
```

Run 1: Report of Verus — Data Link

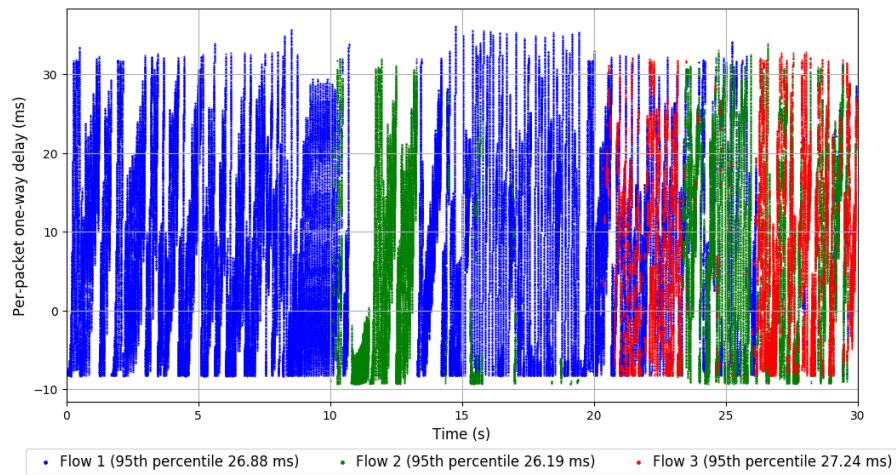
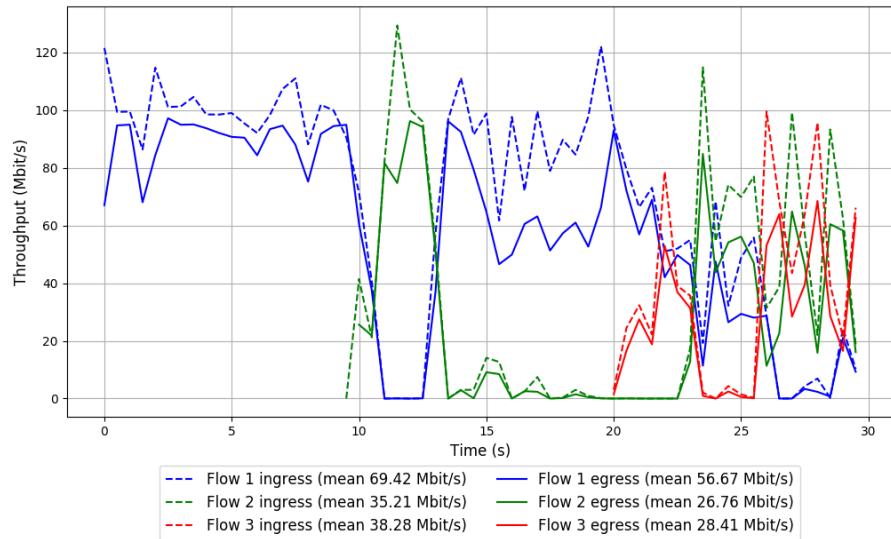


Run 2: Statistics of Verus

```
Start at: 2017-12-11 23:18:04
End at: 2017-12-11 23:18:34
Local clock offset: 6.01 ms
Remote clock offset: -13.186 ms

# Below is generated by plot.py at 2017-12-12 02:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 26.760 ms
Loss rate: 20.39%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 26.878 ms
Loss rate: 18.26%
-- Flow 2:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 26.188 ms
Loss rate: 23.91%
-- Flow 3:
Average throughput: 28.41 Mbit/s
95th percentile per-packet one-way delay: 27.240 ms
Loss rate: 25.69%
```

Run 2: Report of Verus — Data Link

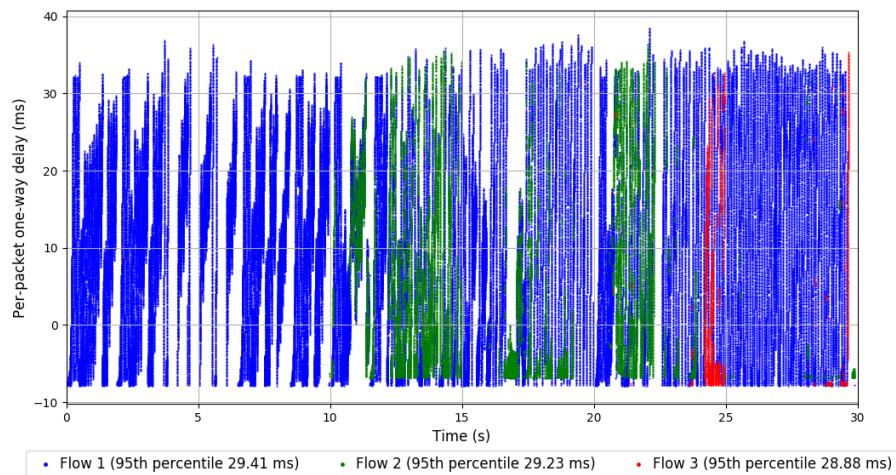
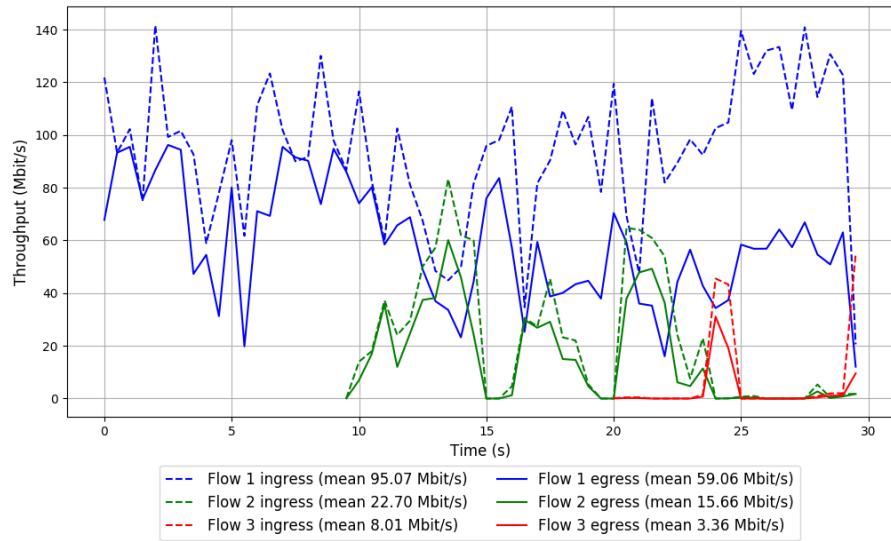


Run 3: Statistics of Verus

```
Start at: 2017-12-11 23:34:33
End at: 2017-12-11 23:35:03
Local clock offset: 5.034 ms
Remote clock offset: -13.525 ms

# Below is generated by plot.py at 2017-12-12 02:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 29.380 ms
Loss rate: 37.40%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 29.412 ms
Loss rate: 37.87%
-- Flow 2:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 29.225 ms
Loss rate: 30.99%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 28.883 ms
Loss rate: 57.98%
```

Run 3: Report of Verus — Data Link

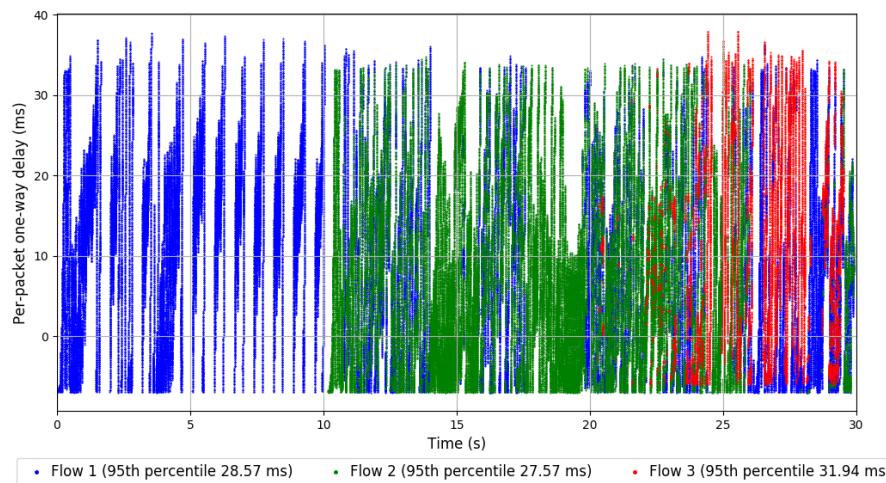
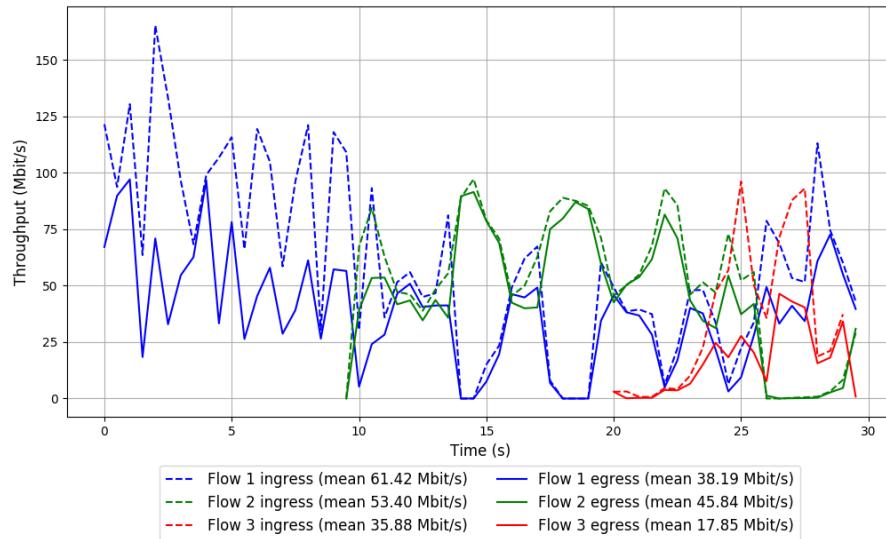


Run 4: Statistics of Verus

```
Start at: 2017-12-11 23:51:00
End at: 2017-12-11 23:51:30
Local clock offset: 3.571 ms
Remote clock offset: -13.632 ms

# Below is generated by plot.py at 2017-12-12 02:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 28.626 ms
Loss rate: 31.27%
-- Flow 1:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 28.572 ms
Loss rate: 37.78%
-- Flow 2:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 27.569 ms
Loss rate: 14.07%
-- Flow 3:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 31.938 ms
Loss rate: 50.32%
```

Run 4: Report of Verus — Data Link

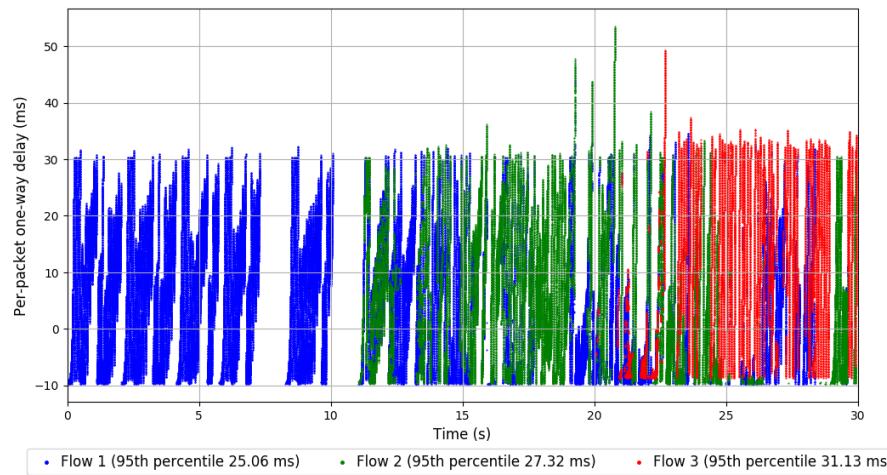
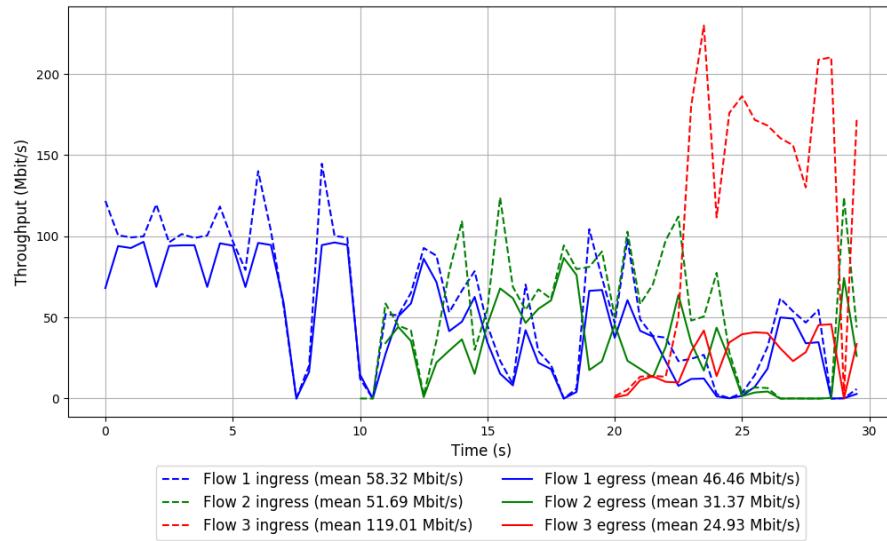


Run 5: Statistics of Verus

```
Start at: 2017-12-12 00:07:33
End at: 2017-12-12 00:08:03
Local clock offset: 6.197 ms
Remote clock offset: -13.691 ms

# Below is generated by plot.py at 2017-12-12 02:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 26.875 ms
Loss rate: 43.71%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 25.058 ms
Loss rate: 20.39%
-- Flow 2:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 27.320 ms
Loss rate: 42.41%
-- Flow 3:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 31.130 ms
Loss rate: 79.02%
```

Run 5: Report of Verus — Data Link

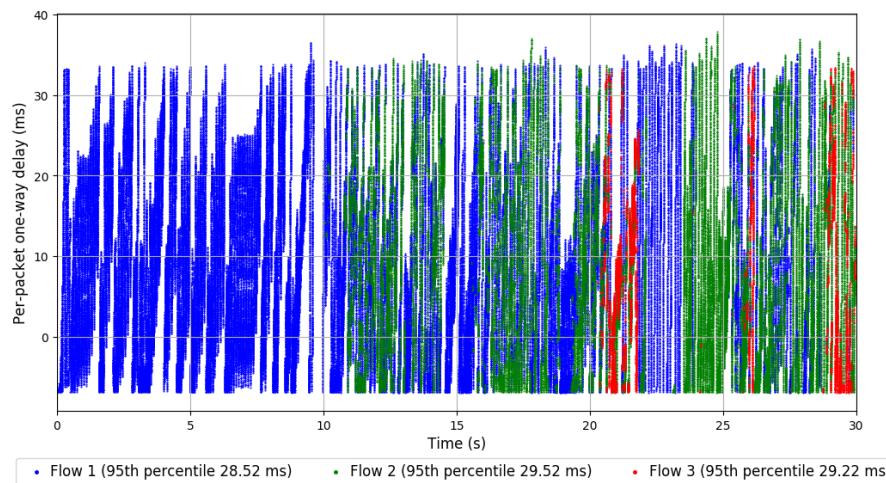
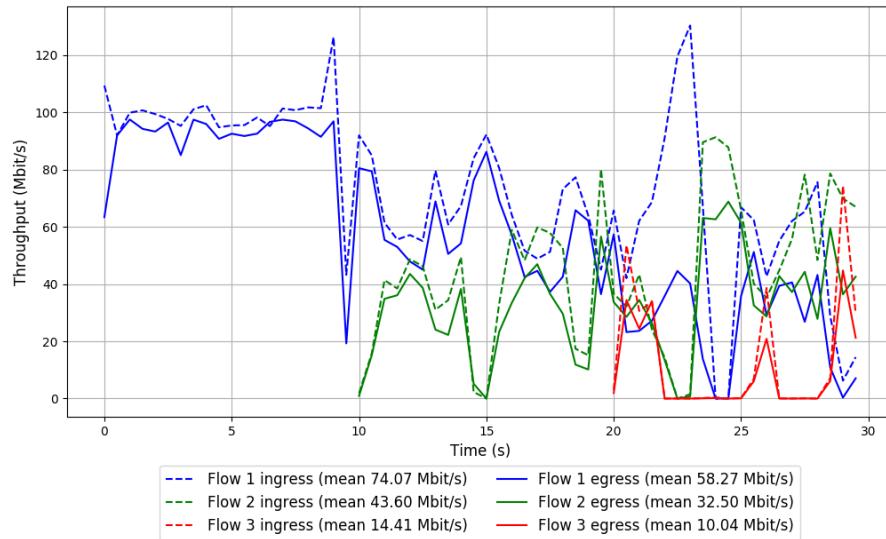


Run 6: Statistics of Verus

```
Start at: 2017-12-12 00:24:06
End at: 2017-12-12 00:24:36
Local clock offset: 4.929 ms
Remote clock offset: -12.237 ms

# Below is generated by plot.py at 2017-12-12 02:11:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 28.845 ms
Loss rate: 22.83%
-- Flow 1:
Average throughput: 58.27 Mbit/s
95th percentile per-packet one-way delay: 28.517 ms
Loss rate: 21.31%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 29.522 ms
Loss rate: 25.50%
-- Flow 3:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 29.220 ms
Loss rate: 30.30%
```

Run 6: Report of Verus — Data Link

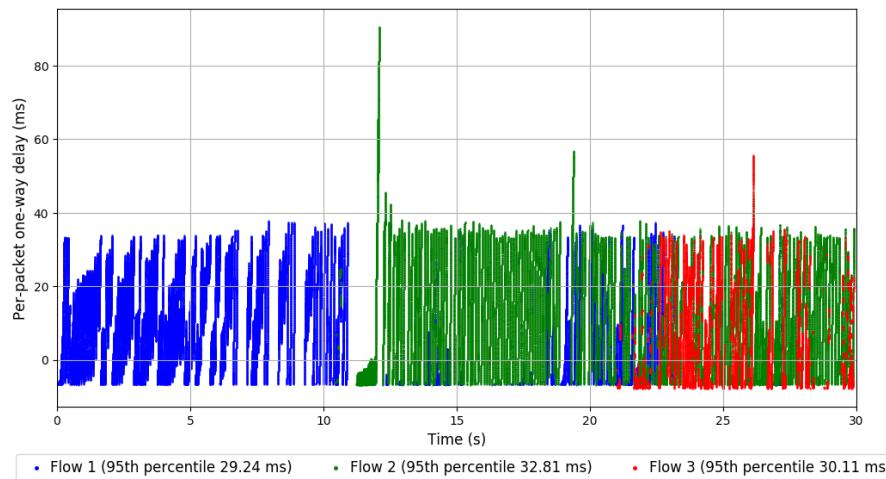
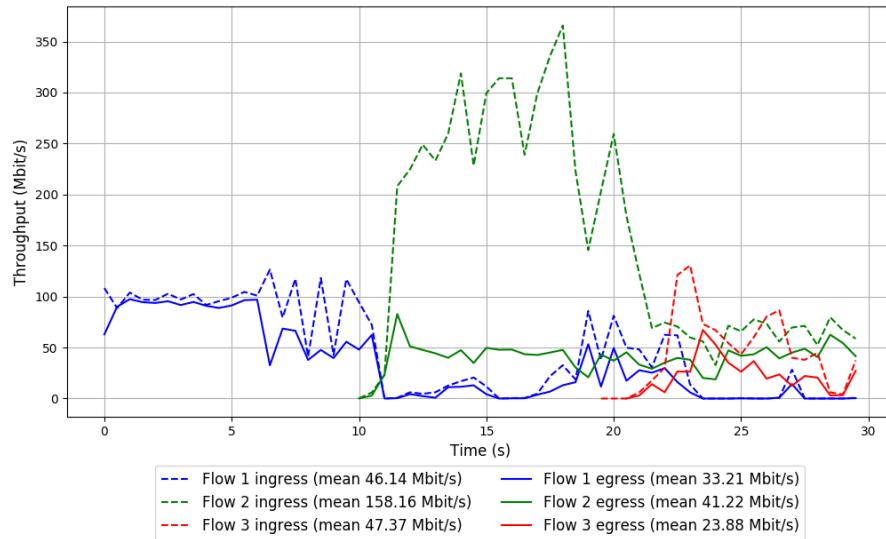


Run 7: Statistics of Verus

```
Start at: 2017-12-12 00:40:36
End at: 2017-12-12 00:41:06
Local clock offset: 5.697 ms
Remote clock offset: -10.871 ms

# Below is generated by plot.py at 2017-12-12 02:11:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 59.26%
-- Flow 1:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 29.239 ms
Loss rate: 28.08%
-- Flow 2:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 32.813 ms
Loss rate: 73.92%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 30.115 ms
Loss rate: 54.70%
```

Run 7: Report of Verus — Data Link

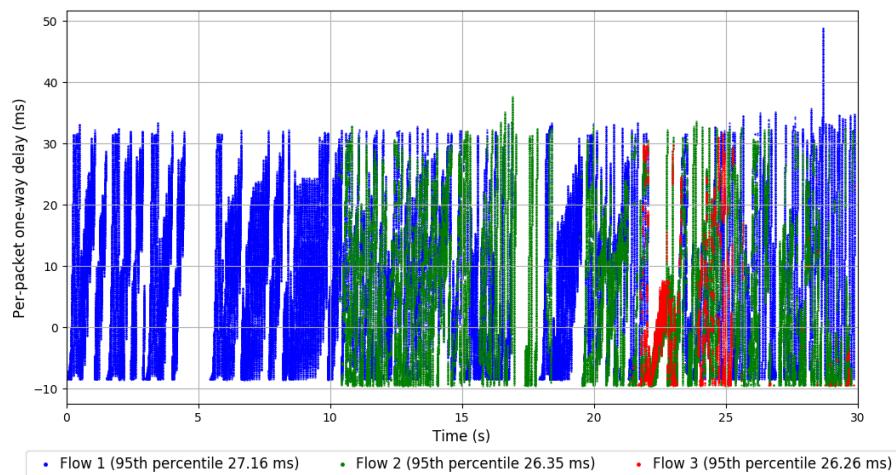
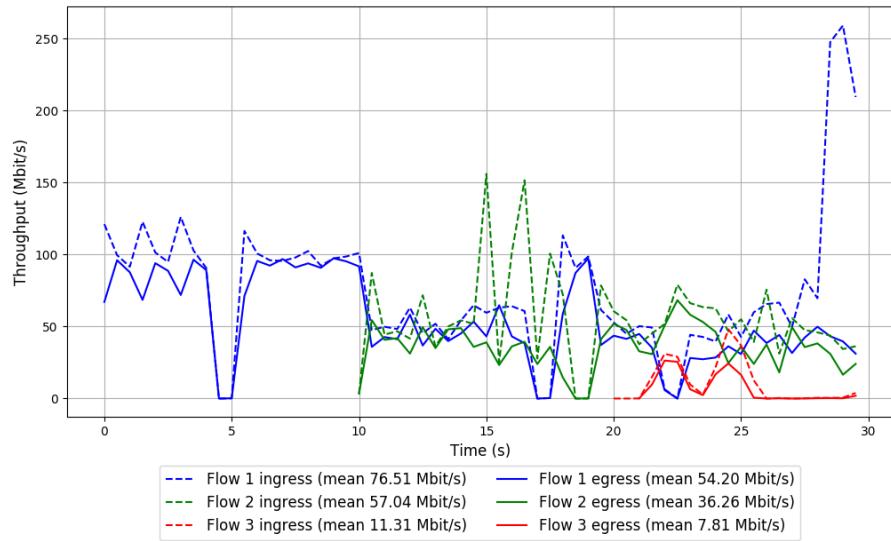


Run 8: Statistics of Verus

```
Start at: 2017-12-12 00:57:05
End at: 2017-12-12 00:57:35
Local clock offset: 5.815 ms
Remote clock offset: -12.575 ms

# Below is generated by plot.py at 2017-12-12 02:11:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 26.953 ms
Loss rate: 31.76%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 27.159 ms
Loss rate: 29.14%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 26.349 ms
Loss rate: 36.49%
-- Flow 3:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 26.258 ms
Loss rate: 38.19%
```

Run 8: Report of Verus — Data Link

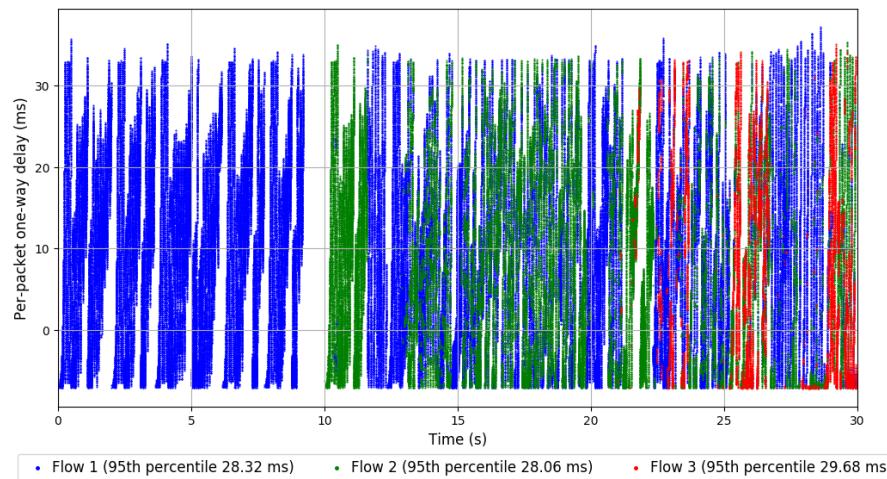
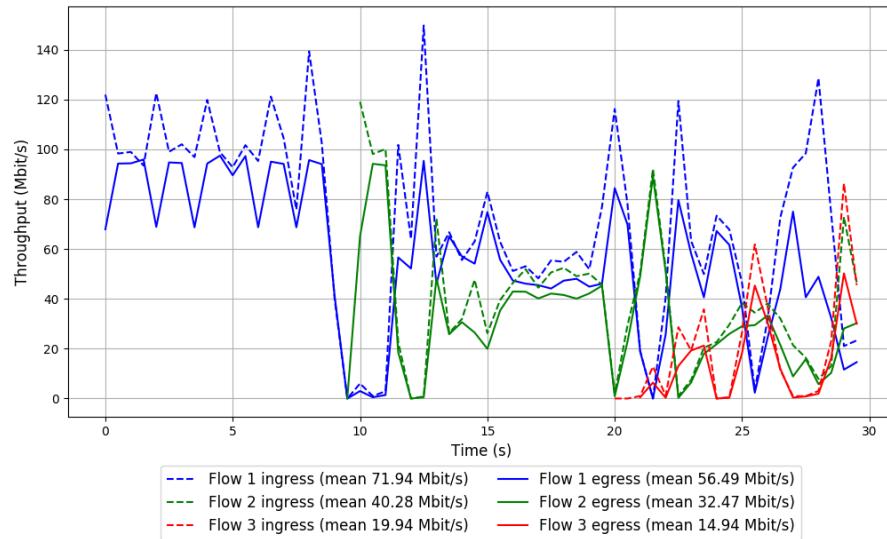


Run 9: Statistics of Verus

```
Start at: 2017-12-12 01:13:43
End at: 2017-12-12 01:14:13
Local clock offset: 3.694 ms
Remote clock offset: -12.14 ms

# Below is generated by plot.py at 2017-12-12 02:11:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.55 Mbit/s
95th percentile per-packet one-way delay: 28.393 ms
Loss rate: 21.64%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 28.317 ms
Loss rate: 21.48%
-- Flow 2:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 28.062 ms
Loss rate: 19.36%
-- Flow 3:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 29.679 ms
Loss rate: 32.60%
```

Run 9: Report of Verus — Data Link

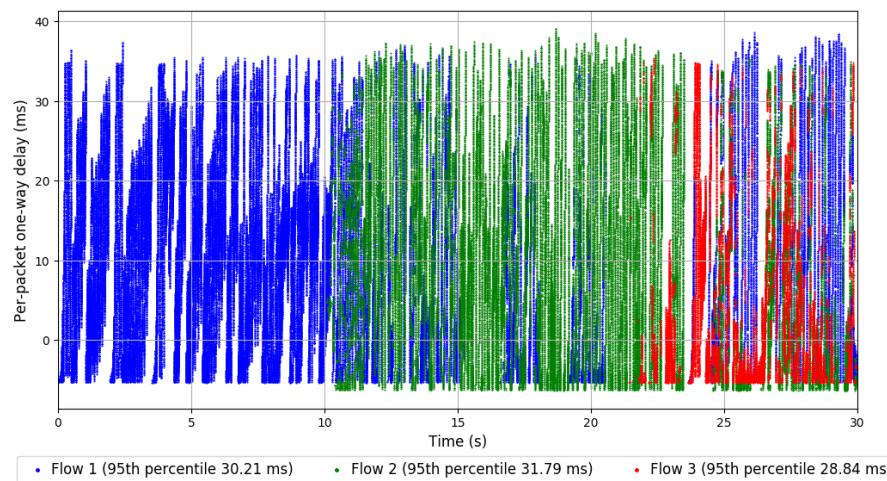
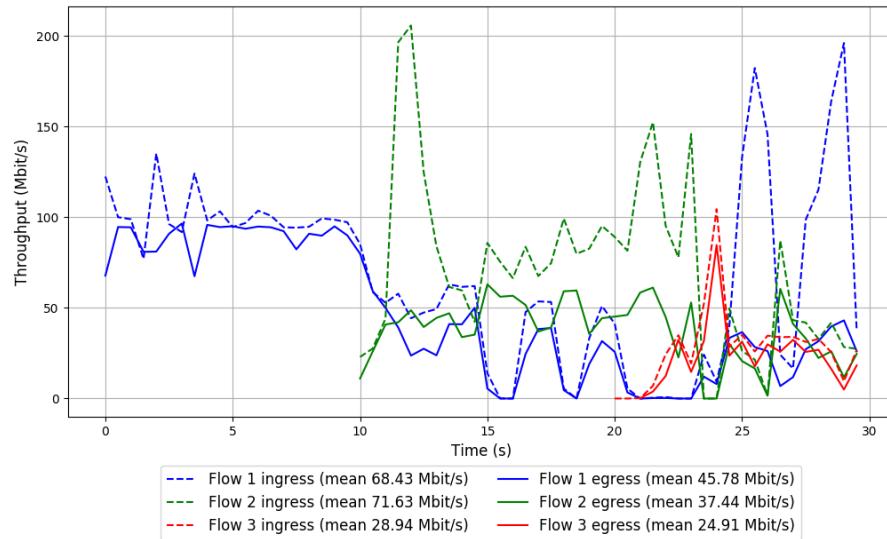


Run 10: Statistics of Verus

```
Start at: 2017-12-12 01:30:15
End at: 2017-12-12 01:30:45
Local clock offset: 3.427 ms
Remote clock offset: -9.739 ms

# Below is generated by plot.py at 2017-12-12 02:11:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 37.90%
-- Flow 1:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 30.206 ms
Loss rate: 33.09%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 31.786 ms
Loss rate: 47.76%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 28.841 ms
Loss rate: 22.80%
```

Run 10: Report of Verus — Data Link

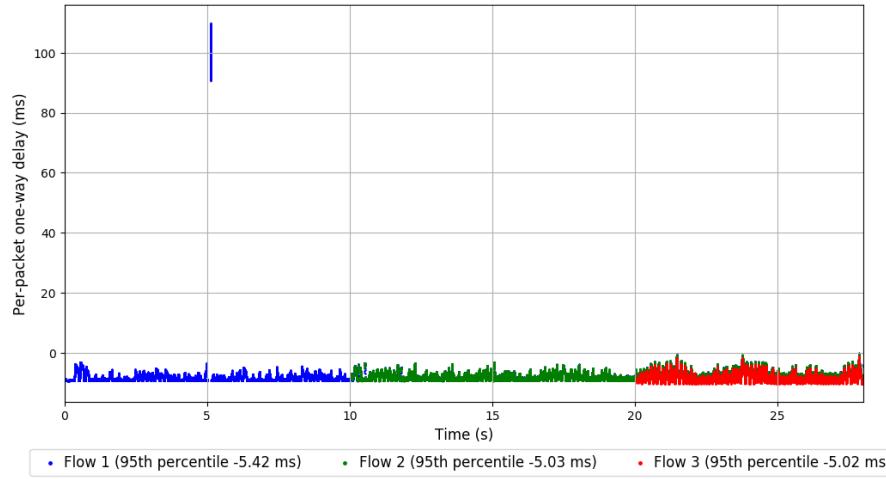
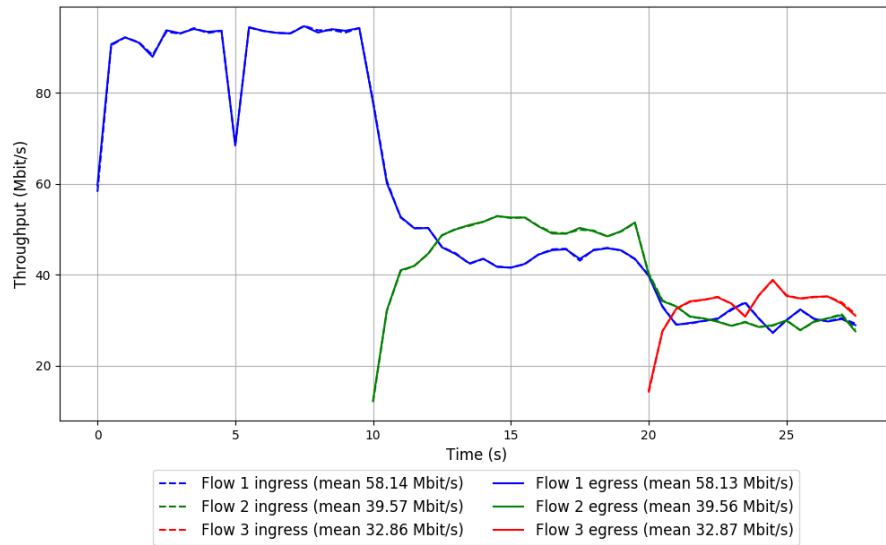


Run 1: Statistics of Copa

```
Start at: 2017-12-11 22:47:21
End at: 2017-12-11 22:47:51
Local clock offset: 6.019 ms
Remote clock offset: -14.407 ms

# Below is generated by plot.py at 2017-12-12 02:12:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: -5.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: -5.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: -5.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: -5.017 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

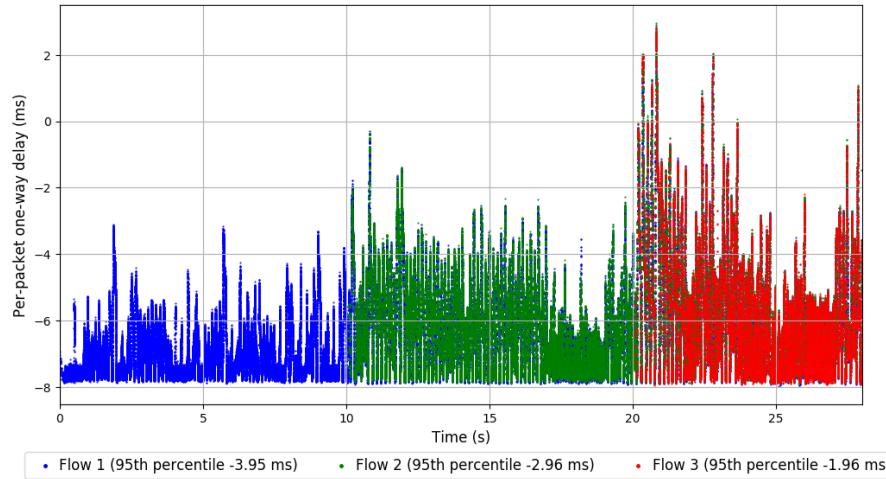
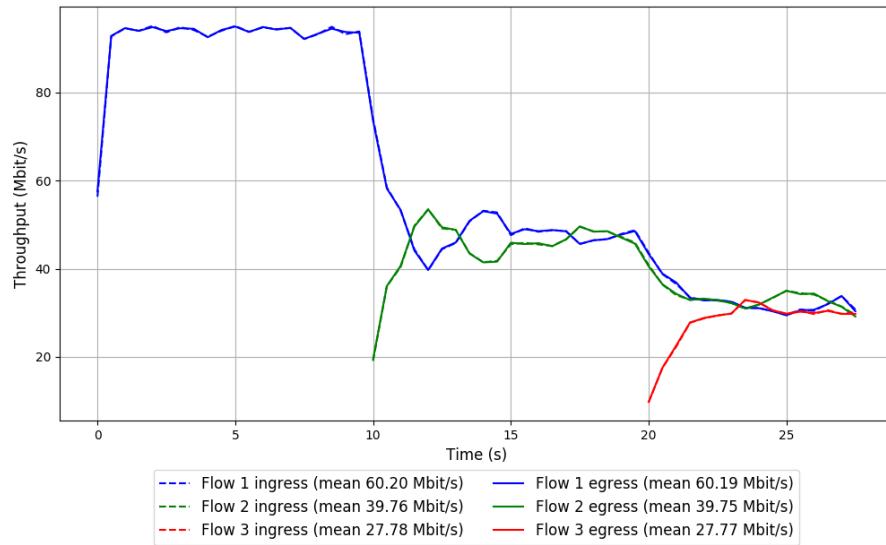


Run 2: Statistics of Copa

```
Start at: 2017-12-11 23:03:52
End at: 2017-12-11 23:04:22
Local clock offset: 3.275 ms
Remote clock offset: -13.9 ms

# Below is generated by plot.py at 2017-12-12 02:12:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: -3.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: -3.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: -2.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: -1.963 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

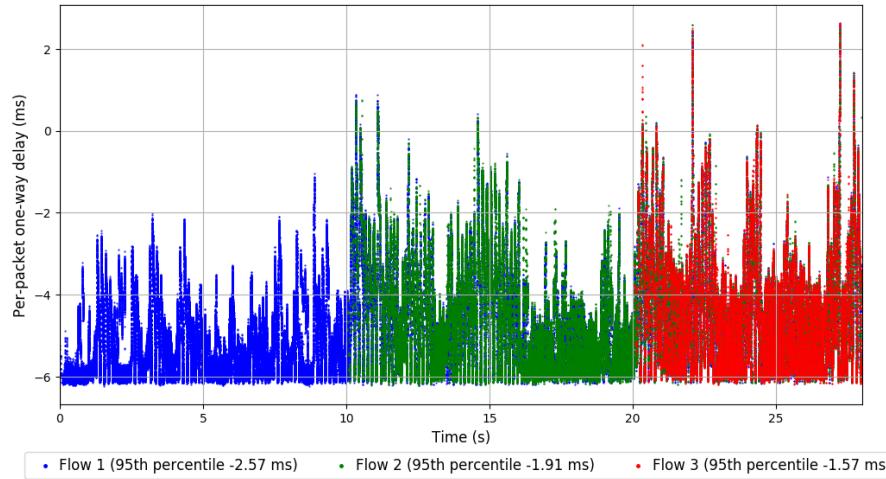
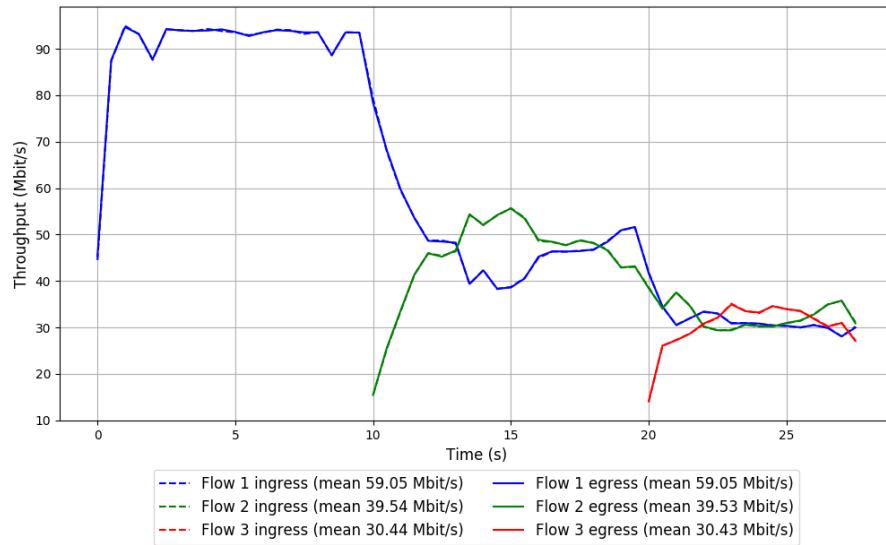


Run 3: Statistics of Copa

```
Start at: 2017-12-11 23:20:25
End at: 2017-12-11 23:20:55
Local clock offset: 3.378 ms
Remote clock offset: -12.921 ms

# Below is generated by plot.py at 2017-12-12 02:12:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: -2.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: -2.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: -1.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: -1.568 ms
Loss rate: 0.01%
```

Run 3: Report of Copa — Data Link

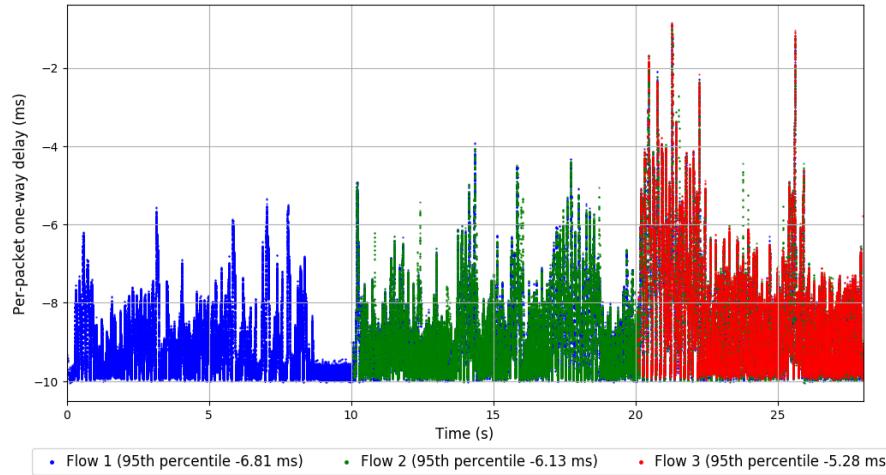
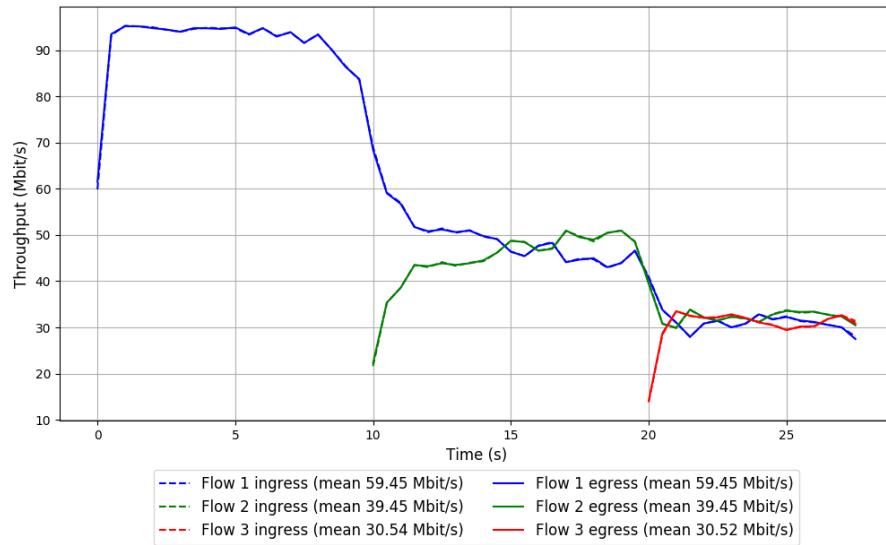


Run 4: Statistics of Copa

```
Start at: 2017-12-11 23:36:51
End at: 2017-12-11 23:37:21
Local clock offset: 6.951 ms
Remote clock offset: -13.721 ms

# Below is generated by plot.py at 2017-12-12 02:13:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: -6.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: -6.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: -6.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: -5.276 ms
Loss rate: 0.01%
```

Run 4: Report of Copa — Data Link

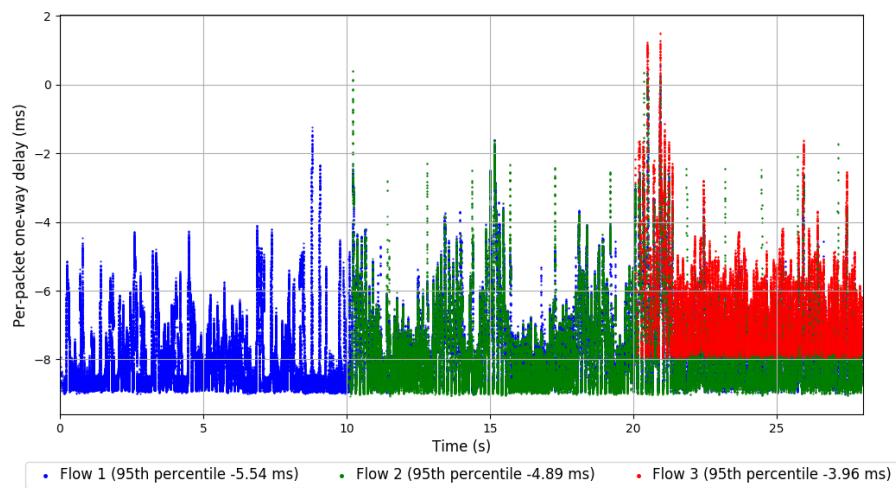
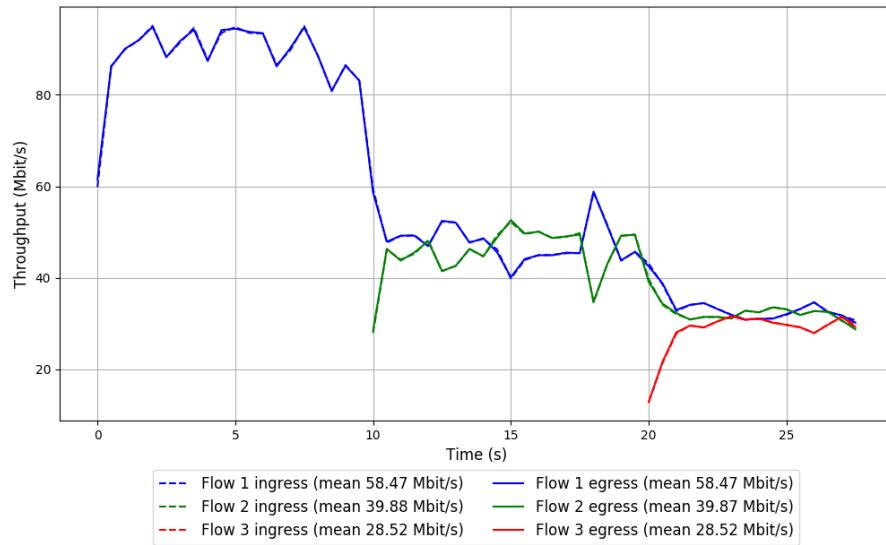


Run 5: Statistics of Copa

```
Start at: 2017-12-11 23:53:20
End at: 2017-12-11 23:53:50
Local clock offset: 5.401 ms
Remote clock offset: -13.812 ms

# Below is generated by plot.py at 2017-12-12 02:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: -5.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: -5.545 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: -4.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: -3.957 ms
Loss rate: 0.02%
```

Run 5: Report of Copa — Data Link

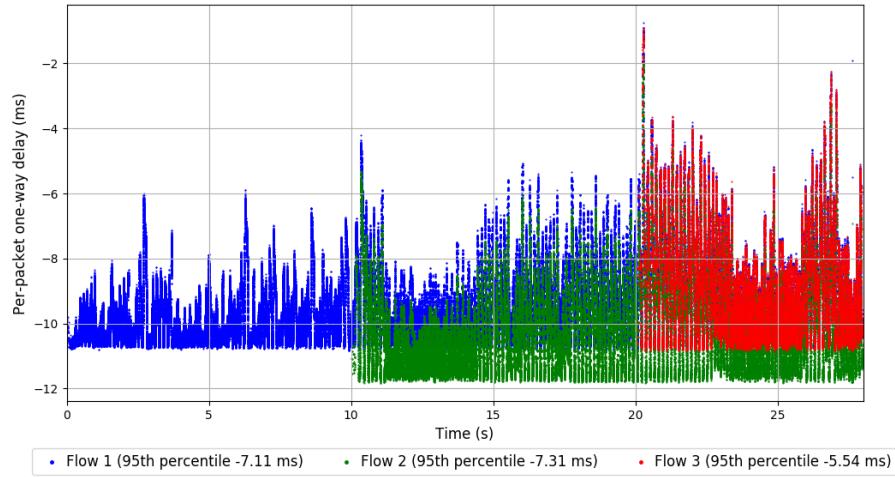
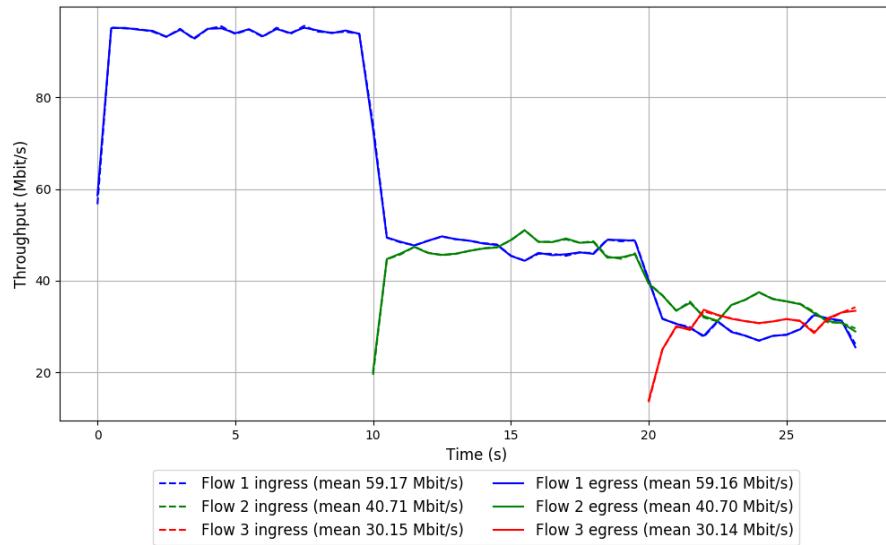


Run 6: Statistics of Copa

```
Start at: 2017-12-12 00:09:56
End at: 2017-12-12 00:10:26
Local clock offset: 6.388 ms
Remote clock offset: -15.496 ms

# Below is generated by plot.py at 2017-12-12 02:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: -6.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: -7.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: -7.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: -5.538 ms
Loss rate: 0.02%
```

Run 6: Report of Copa — Data Link

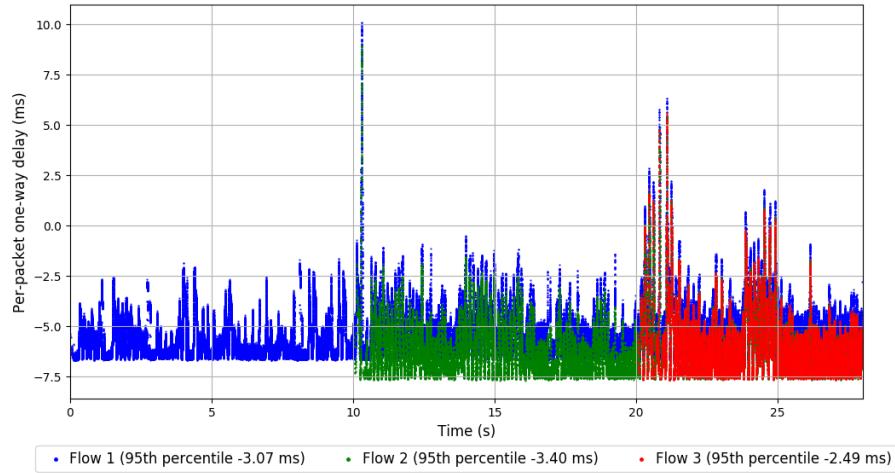
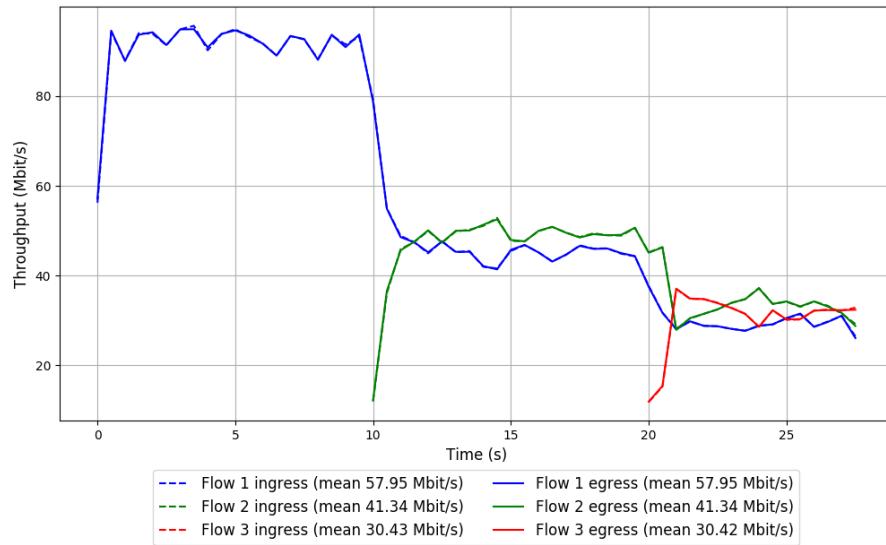


Run 7: Statistics of Copa

```
Start at: 2017-12-12 00:26:28
End at: 2017-12-12 00:26:58
Local clock offset: 5.72 ms
Remote clock offset: -11.161 ms

# Below is generated by plot.py at 2017-12-12 02:14:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: -3.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: -3.070 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: -3.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: -2.491 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

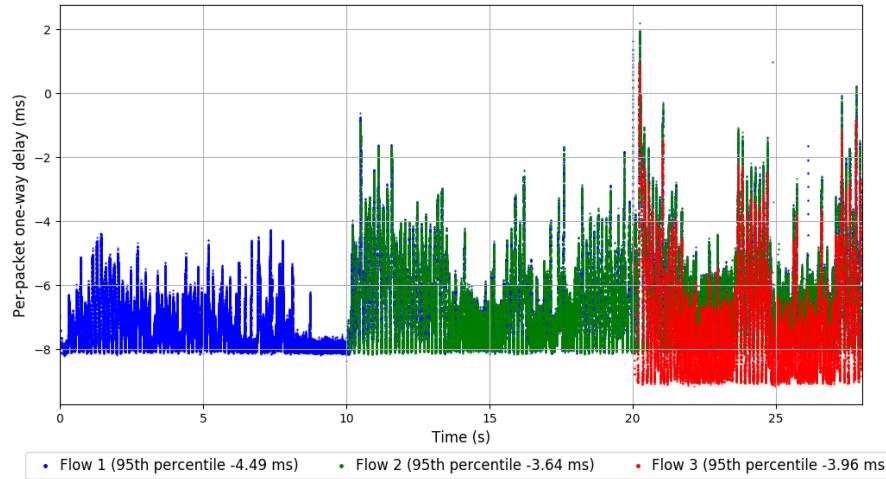
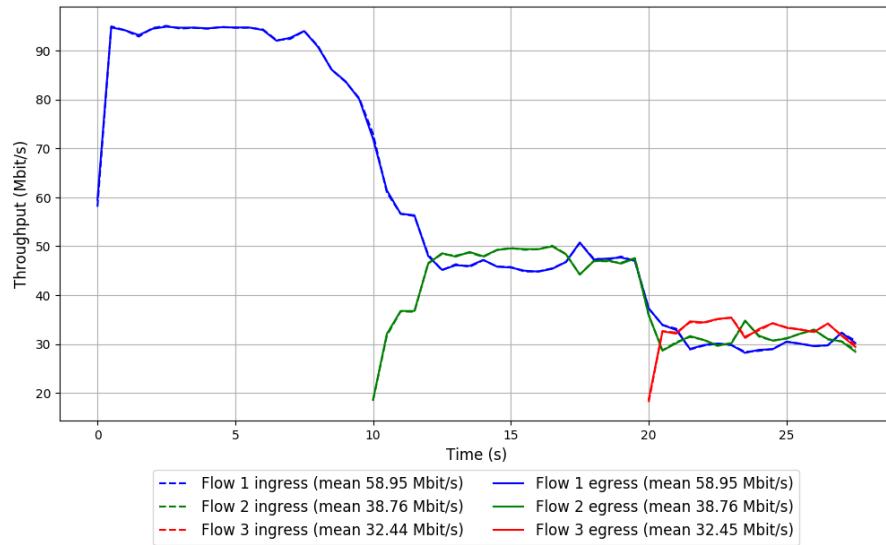


Run 8: Statistics of Copa

```
Start at: 2017-12-12 00:42:56
End at: 2017-12-12 00:43:26
Local clock offset: 3.88 ms
Remote clock offset: -14.164 ms

# Below is generated by plot.py at 2017-12-12 02:14:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: -4.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: -4.489 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: -3.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: -3.962 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

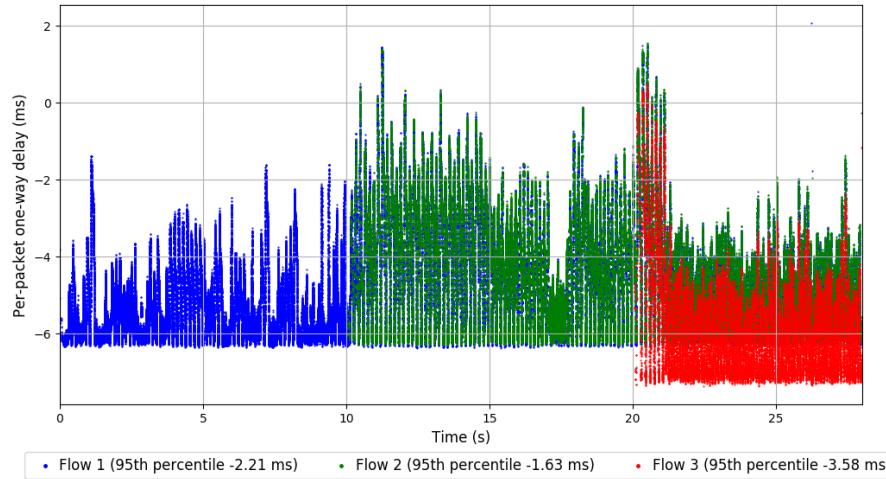
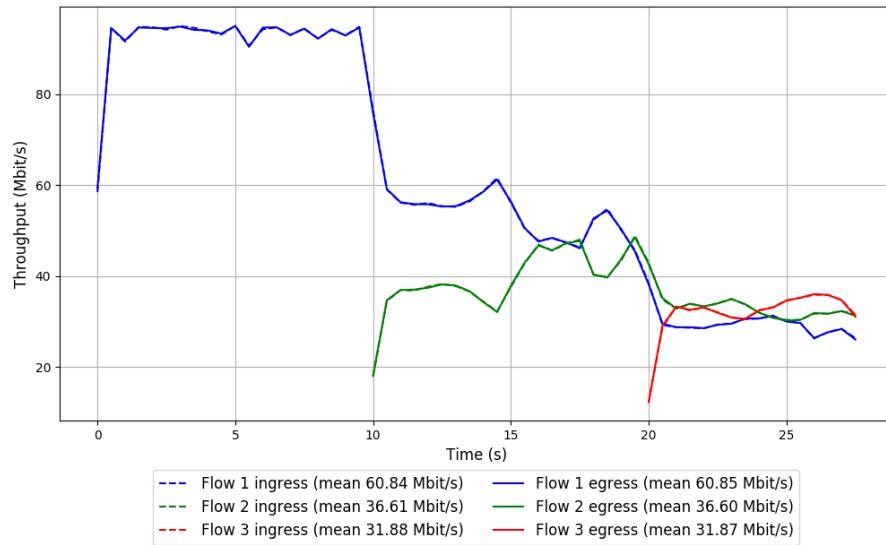


Run 9: Statistics of Copa

```
Start at: 2017-12-12 00:59:23
End at: 2017-12-12 00:59:53
Local clock offset: 3.72 ms
Remote clock offset: -12.665 ms

# Below is generated by plot.py at 2017-12-12 02:15:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: -2.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: -2.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: -1.627 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: -3.580 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

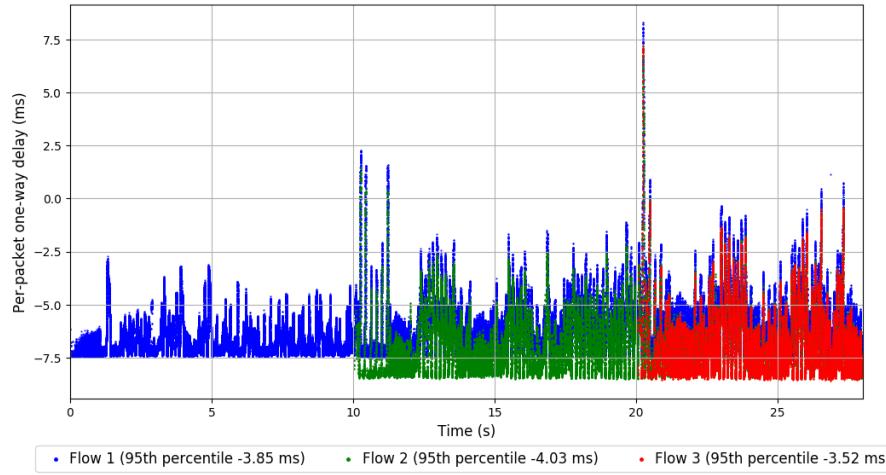
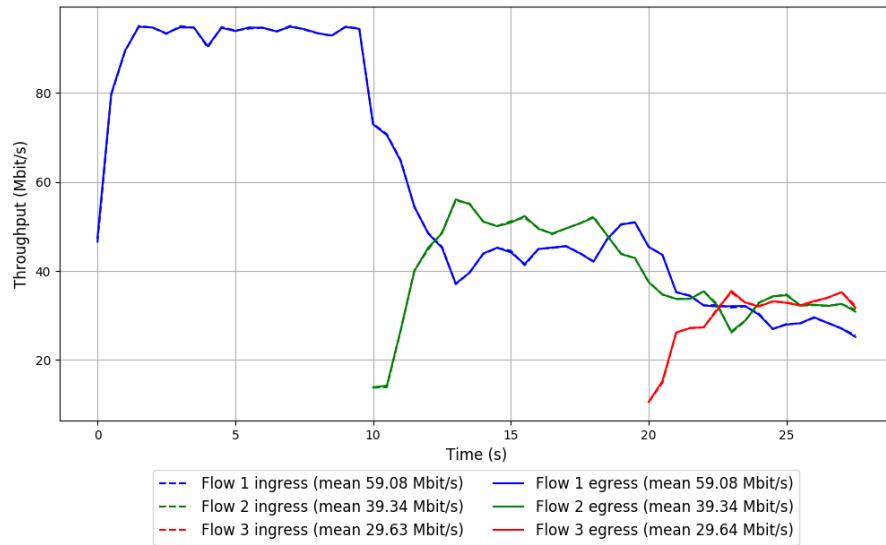


Run 10: Statistics of Copa

```
Start at: 2017-12-12 01:16:07
End at: 2017-12-12 01:16:37
Local clock offset: 5.877 ms
Remote clock offset: -11.099 ms

# Below is generated by plot.py at 2017-12-12 02:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: -3.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: -3.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: -4.027 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: -3.517 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

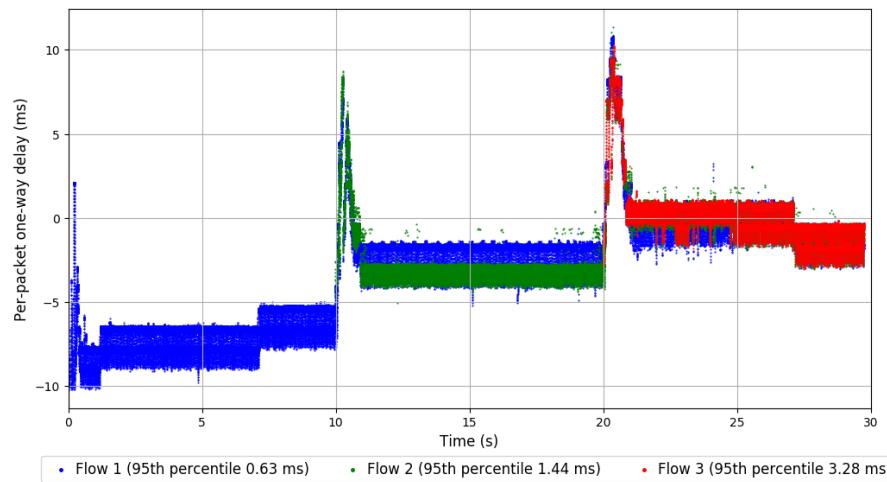
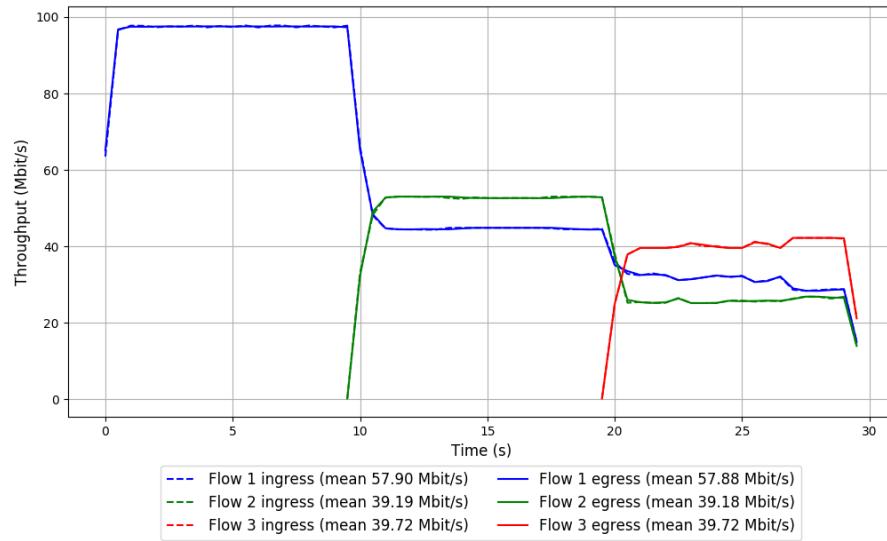


Run 1: Statistics of Indigo

```
Start at: 2017-12-11 22:59:02
End at: 2017-12-11 22:59:32
Local clock offset: 6.371 ms
Remote clock offset: -13.615 ms

# Below is generated by plot.py at 2017-12-12 02:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 0.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 0.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 3.278 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

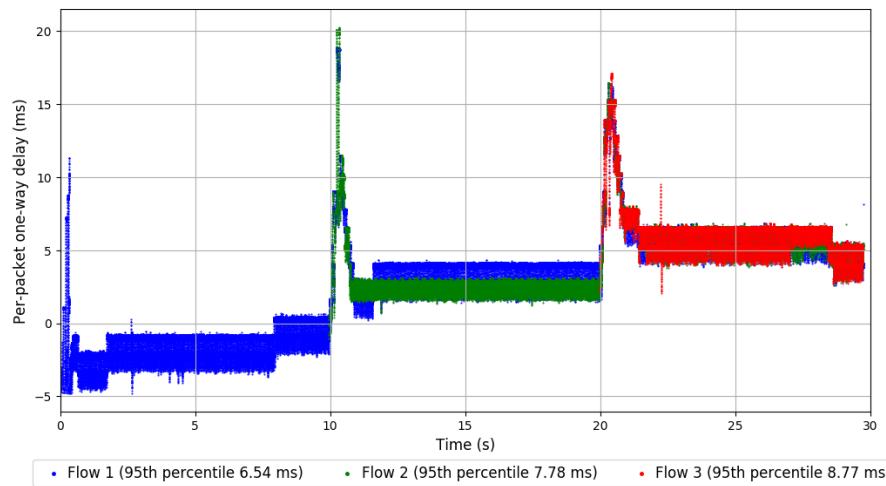
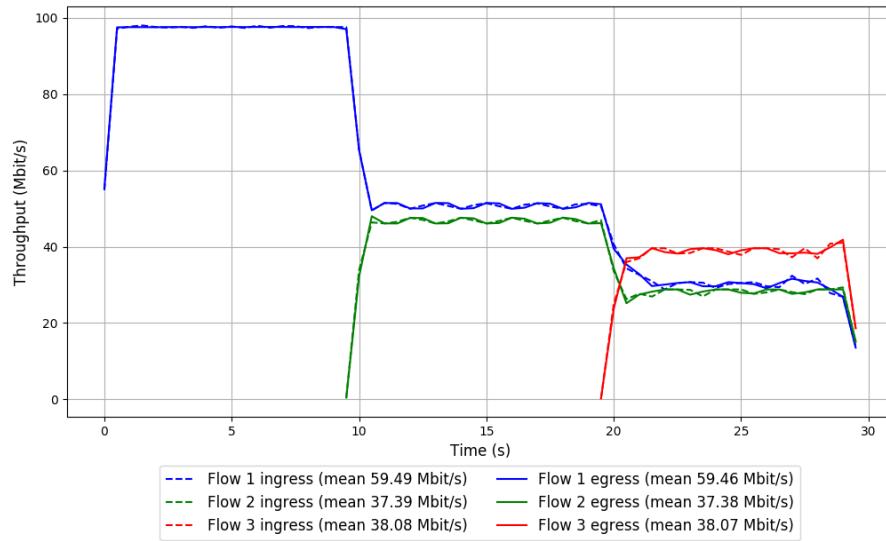


Run 2: Statistics of Indigo

```
Start at: 2017-12-11 23:15:39
End at: 2017-12-11 23:16:09
Local clock offset: 3.421 ms
Remote clock offset: -11.994 ms

# Below is generated by plot.py at 2017-12-12 02:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 7.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 6.544 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 7.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 8.765 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

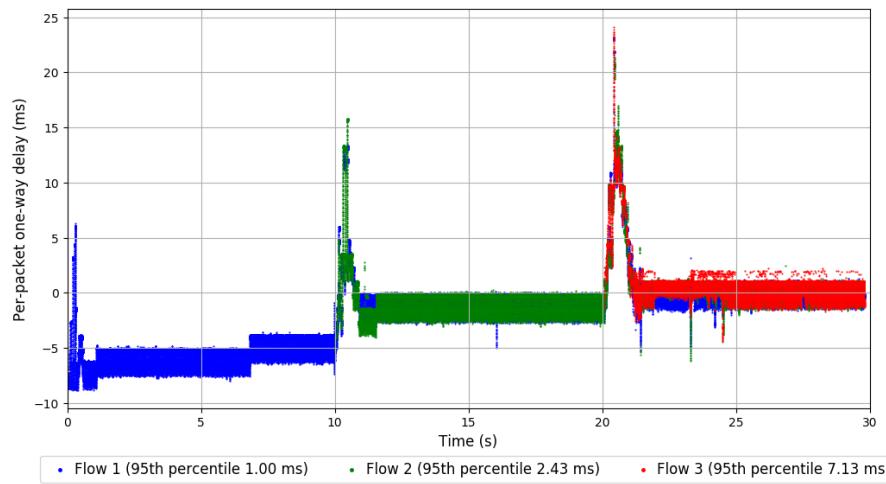
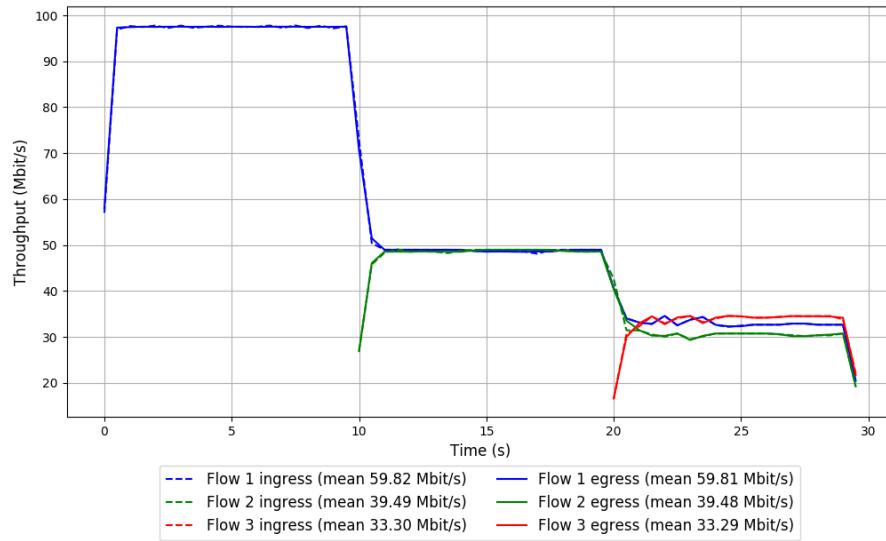


Run 3: Statistics of Indigo

```
Start at: 2017-12-11 23:32:08
End at: 2017-12-11 23:32:38
Local clock offset: 4.554 ms
Remote clock offset: -15.036 ms

# Below is generated by plot.py at 2017-12-12 02:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 7.128 ms
Loss rate: 0.04%
```

Run 3: Report of Indigo — Data Link

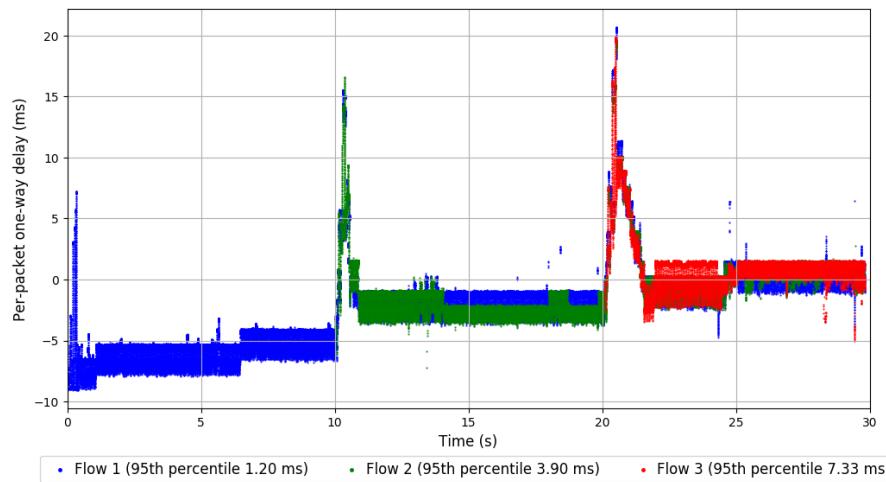
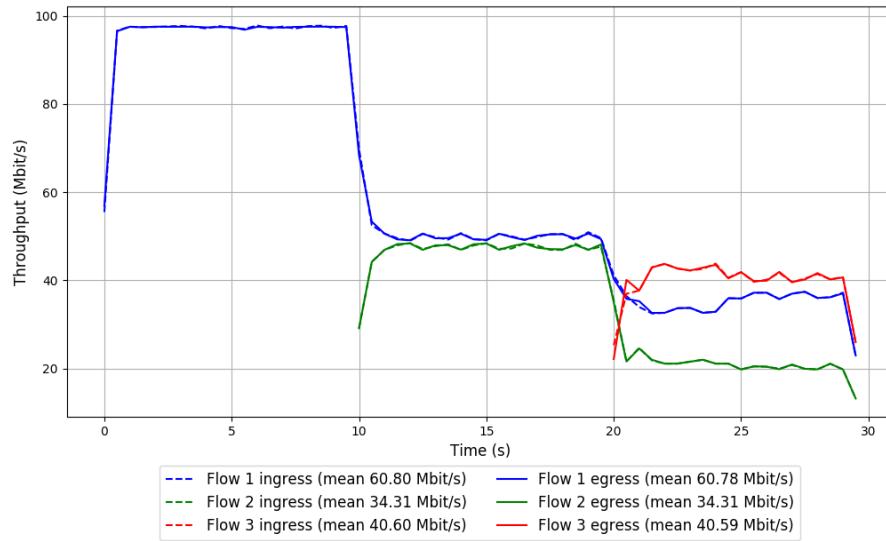


Run 4: Statistics of Indigo

```
Start at: 2017-12-11 23:48:30
End at: 2017-12-11 23:49:00
Local clock offset: 4.461 ms
Remote clock offset: -14.997 ms

# Below is generated by plot.py at 2017-12-12 02:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 2.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 3.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 7.325 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

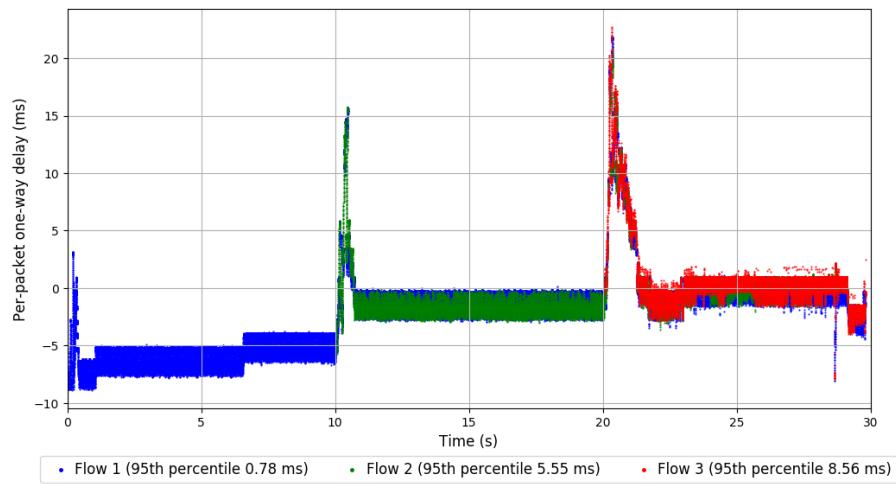
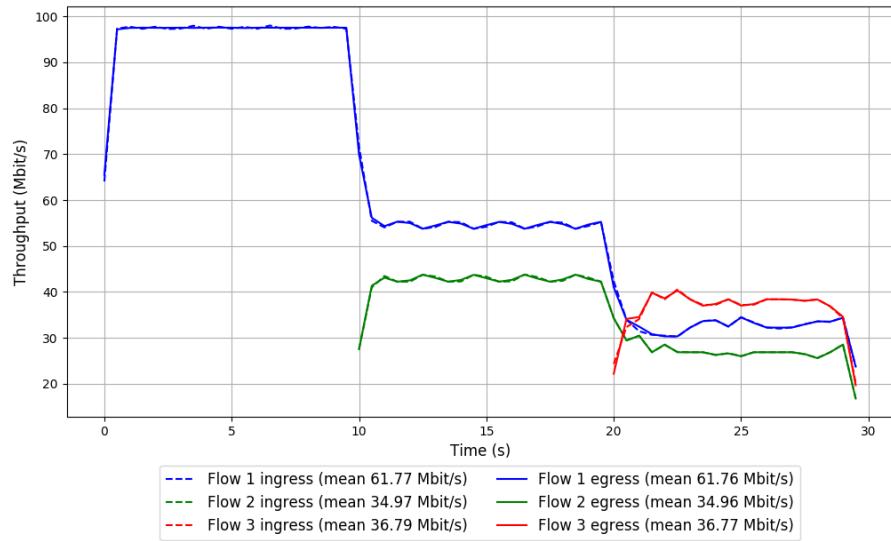


Run 5: Statistics of Indigo

```
Start at: 2017-12-12 00:05:10
End at: 2017-12-12 00:05:40
Local clock offset: 6.242 ms
Remote clock offset: -12.948 ms

# Below is generated by plot.py at 2017-12-12 02:15:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 2.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 0.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 5.549 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 8.561 ms
Loss rate: 0.03%
```

Run 5: Report of Indigo — Data Link

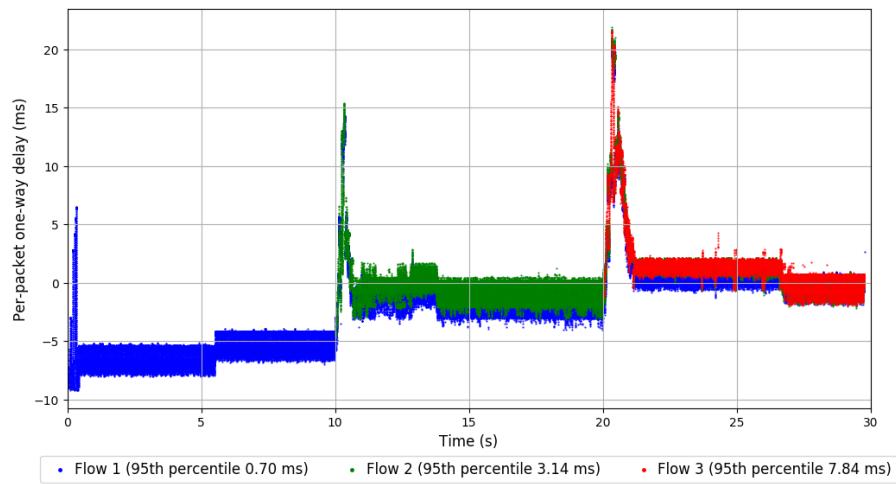
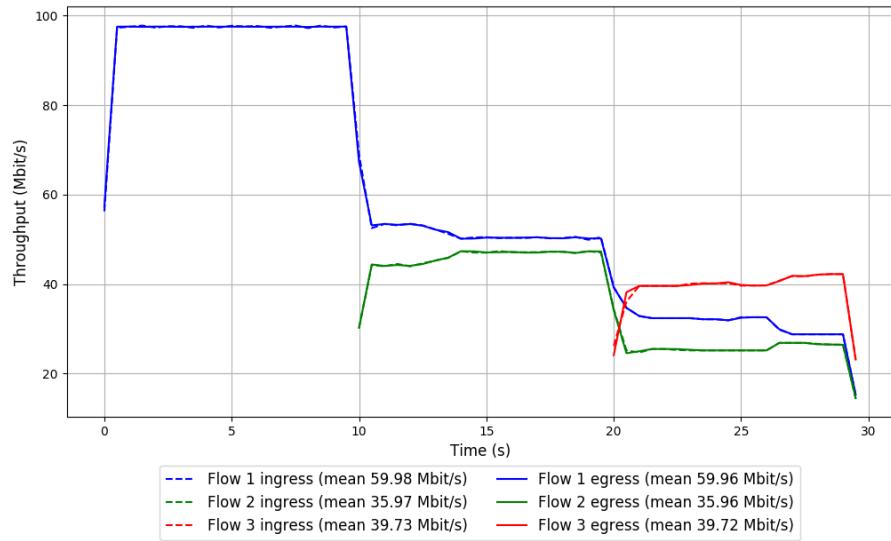


Run 6: Statistics of Indigo

```
Start at: 2017-12-12 00:21:41
End at: 2017-12-12 00:22:11
Local clock offset: 7.552 ms
Remote clock offset: -11.162 ms

# Below is generated by plot.py at 2017-12-12 02:15:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 1.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 0.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 3.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 7.837 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

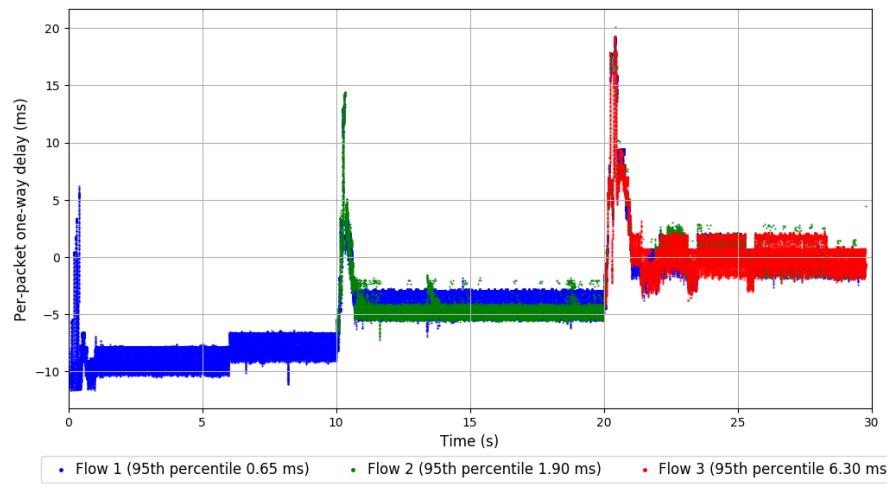
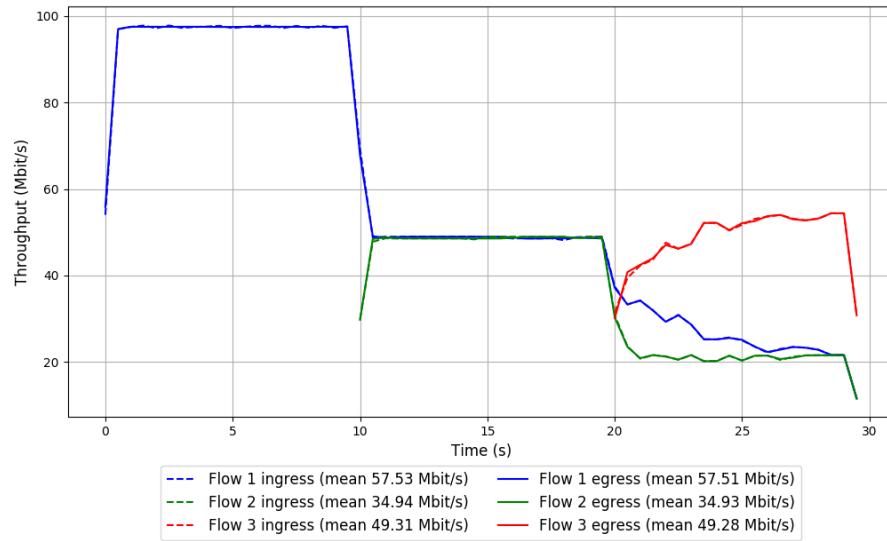


Run 7: Statistics of Indigo

```
Start at: 2017-12-12 00:38:08
End at: 2017-12-12 00:38:38
Local clock offset: 6.741 ms
Remote clock offset: -13.929 ms

# Below is generated by plot.py at 2017-12-12 02:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 1.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 0.654 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 1.899 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 6.297 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

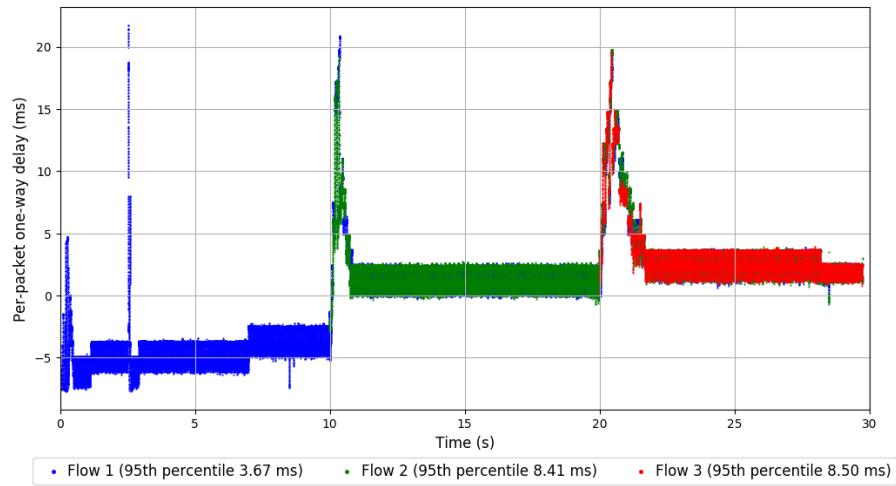
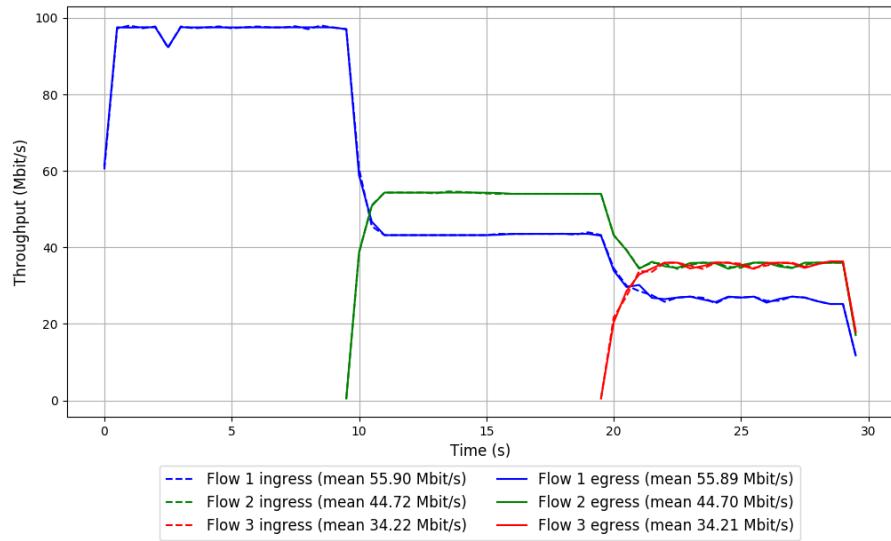


Run 8: Statistics of Indigo

```
Start at: 2017-12-12 00:54:41
End at: 2017-12-12 00:55:11
Local clock offset: 5.231 ms
Remote clock offset: -12.271 ms

# Below is generated by plot.py at 2017-12-12 02:16:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 6.038 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 3.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 8.411 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 8.498 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

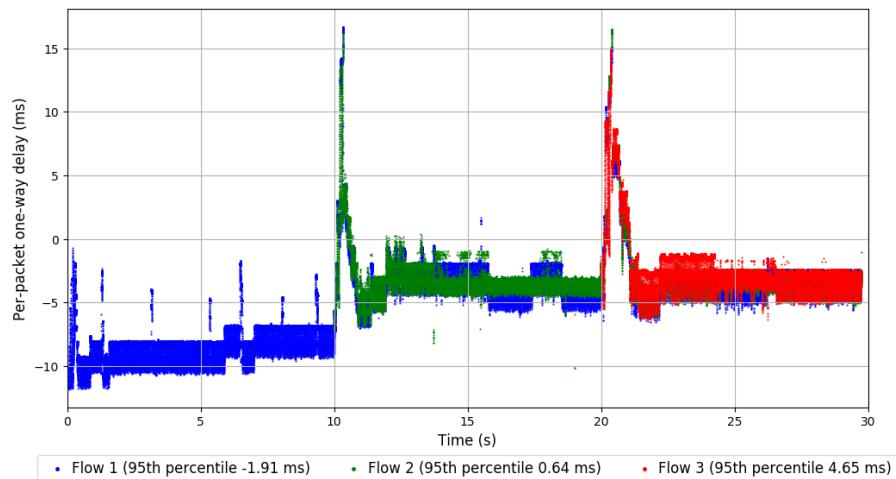
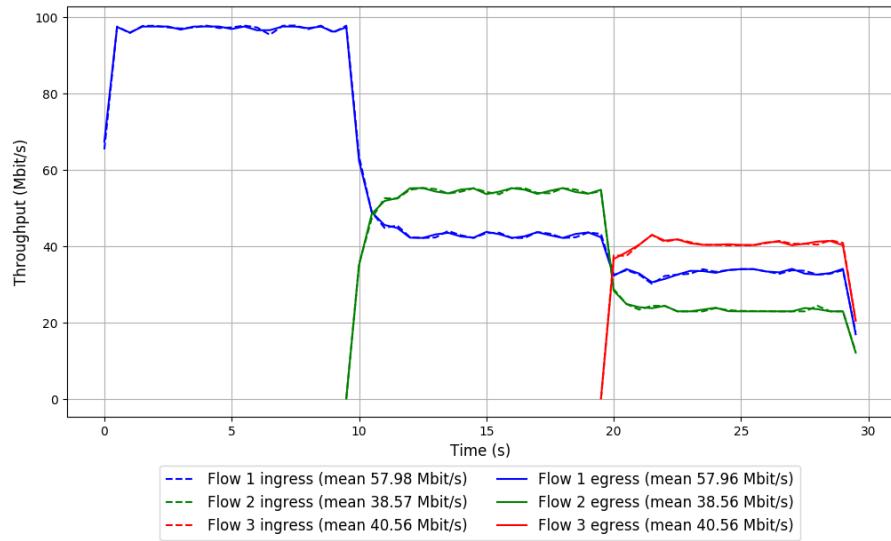


Run 9: Statistics of Indigo

```
Start at: 2017-12-12 01:11:18
End at: 2017-12-12 01:11:48
Local clock offset: 7.601 ms
Remote clock offset: -12.947 ms

# Below is generated by plot.py at 2017-12-12 02:16:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: -0.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: -1.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 0.643 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 4.646 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

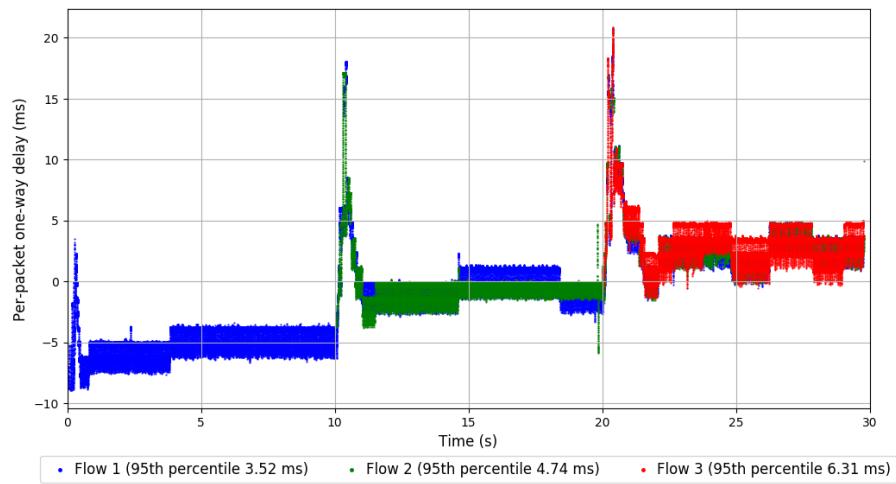
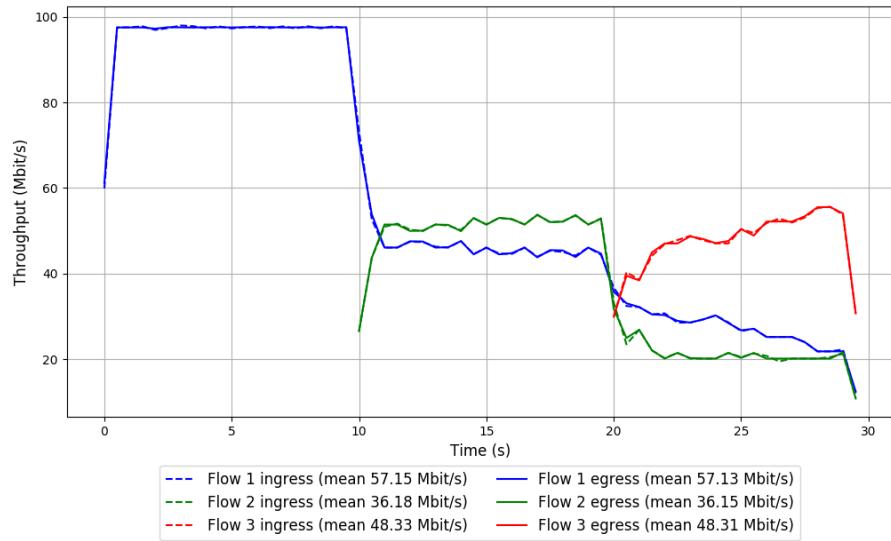


Run 10: Statistics of Indigo

```
Start at: 2017-12-12 01:27:54
End at: 2017-12-12 01:28:24
Local clock offset: 7.665 ms
Remote clock offset: -9.487 ms

# Below is generated by plot.py at 2017-12-12 02:16:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 4.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 3.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 4.739 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 6.309 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

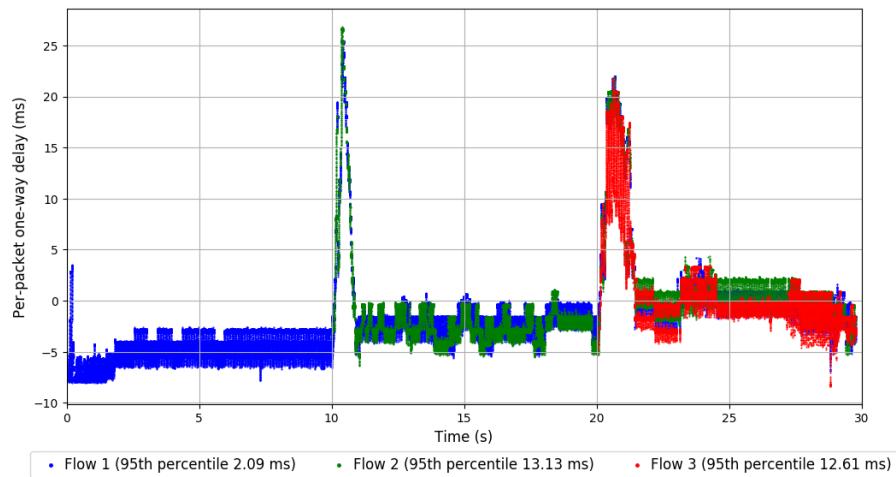
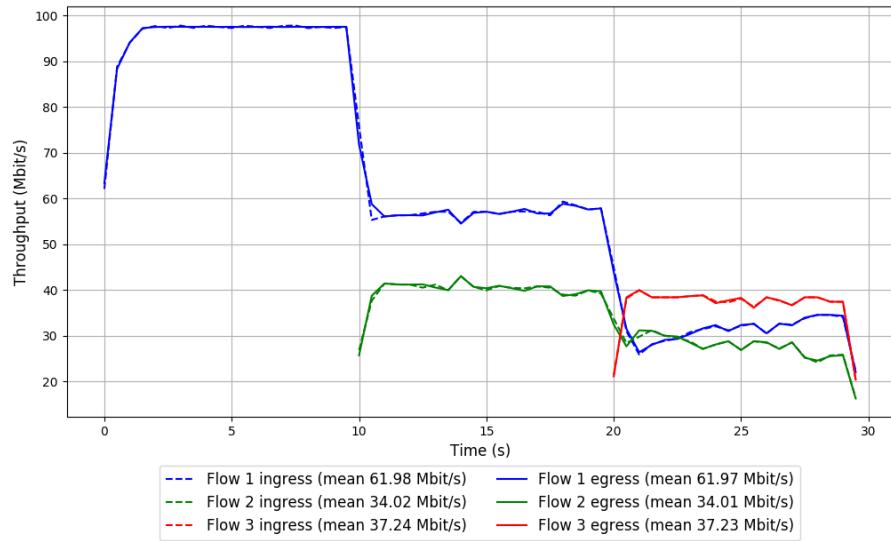


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-11 22:54:23
End at: 2017-12-11 22:54:53
Local clock offset: 5.152 ms
Remote clock offset: -13.899 ms

# Below is generated by plot.py at 2017-12-12 02:16:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 6.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 2.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 13.130 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 12.613 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

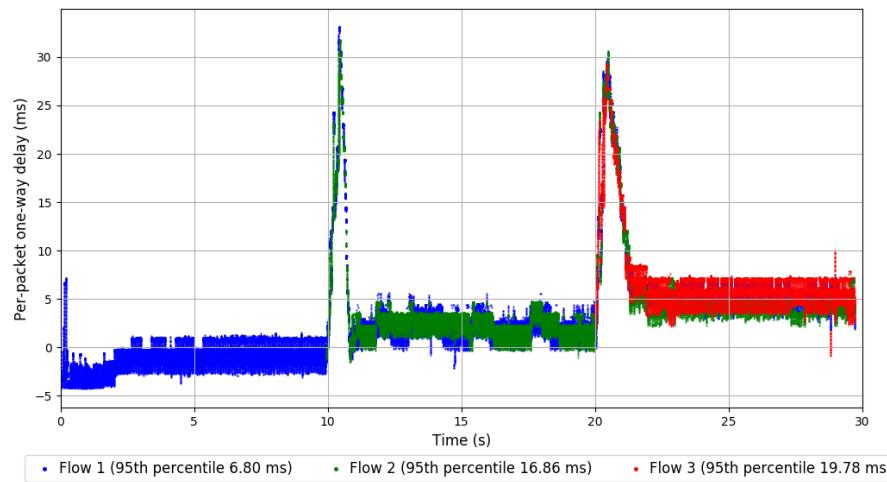
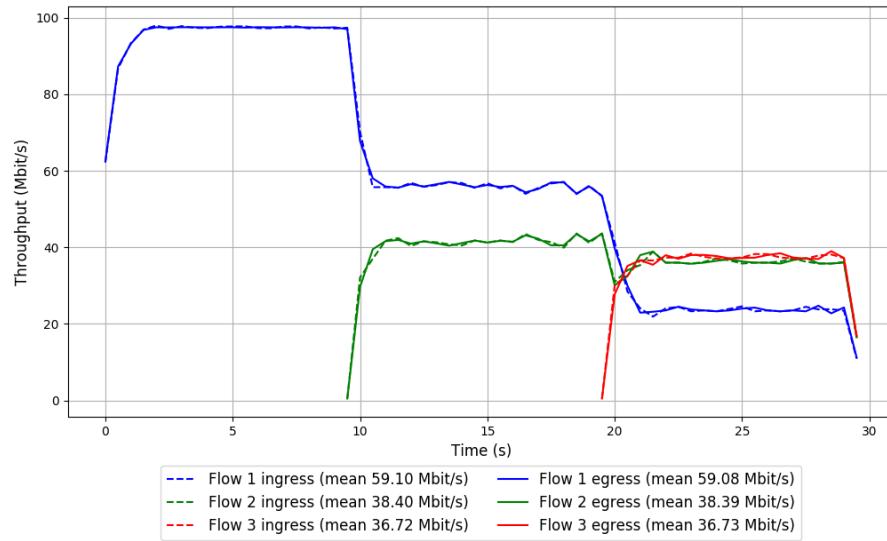


Run 2: Statistics of Indigo-calib

```
Start at: 2017-12-11 23:10:59
End at: 2017-12-11 23:11:29
Local clock offset: 2.547 ms
Remote clock offset: -11.959 ms

# Below is generated by plot.py at 2017-12-12 02:16:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 11.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 6.803 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 16.864 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 19.782 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link

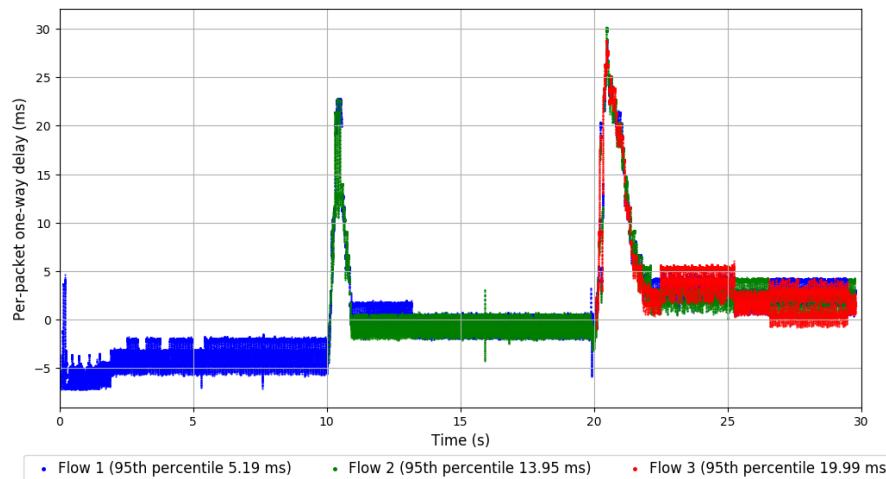
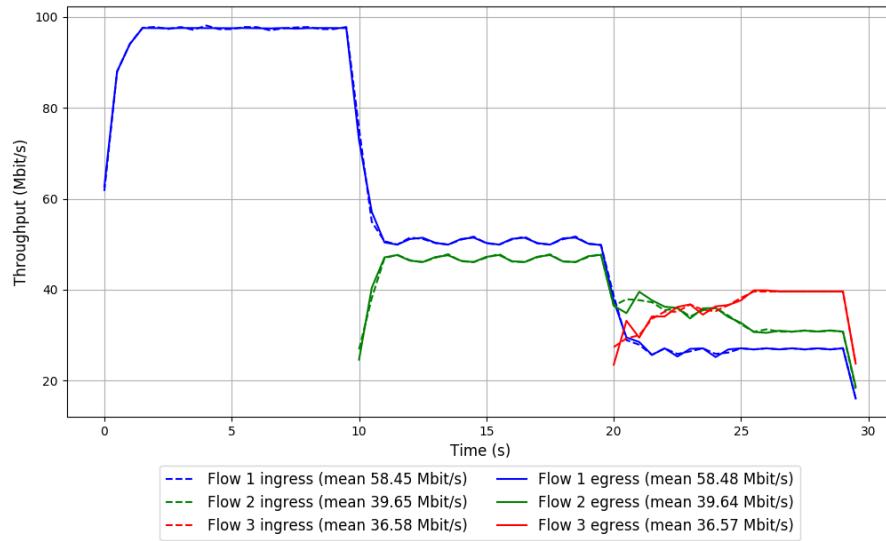


Run 3: Statistics of Indigo-calib

```
Start at: 2017-12-11 23:27:30
End at: 2017-12-11 23:28:00
Local clock offset: 4.633 ms
Remote clock offset: -14.126 ms

# Below is generated by plot.py at 2017-12-12 02:17:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 10.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 5.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 13.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 19.994 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-calib — Data Link

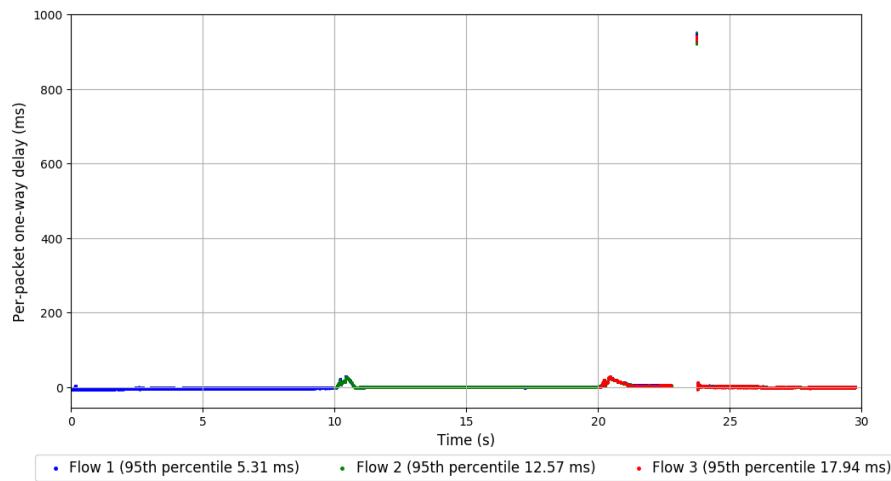
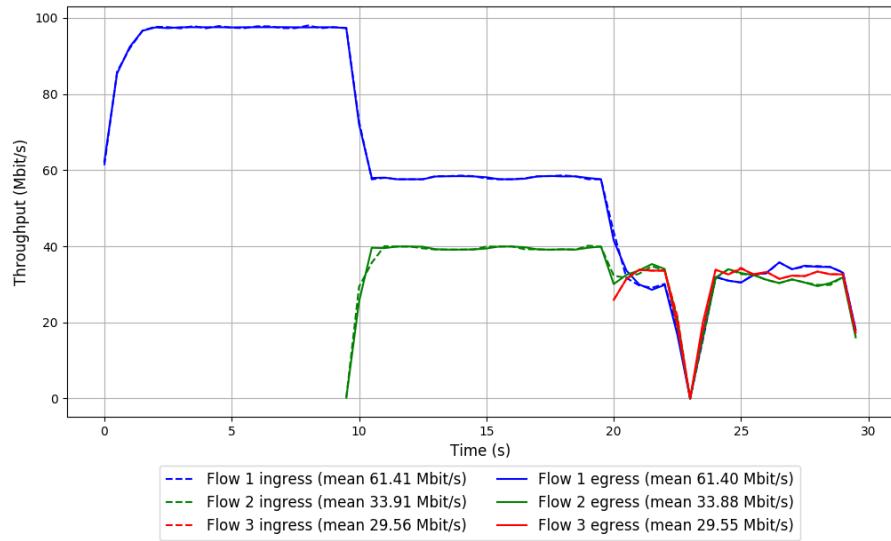


Run 4: Statistics of Indigo-calib

```
Start at: 2017-12-11 23:43:53
End at: 2017-12-11 23:44:23
Local clock offset: 3.606 ms
Remote clock offset: -13.971 ms

# Below is generated by plot.py at 2017-12-12 02:17:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 8.930 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 5.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 12.568 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 17.944 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-calib — Data Link

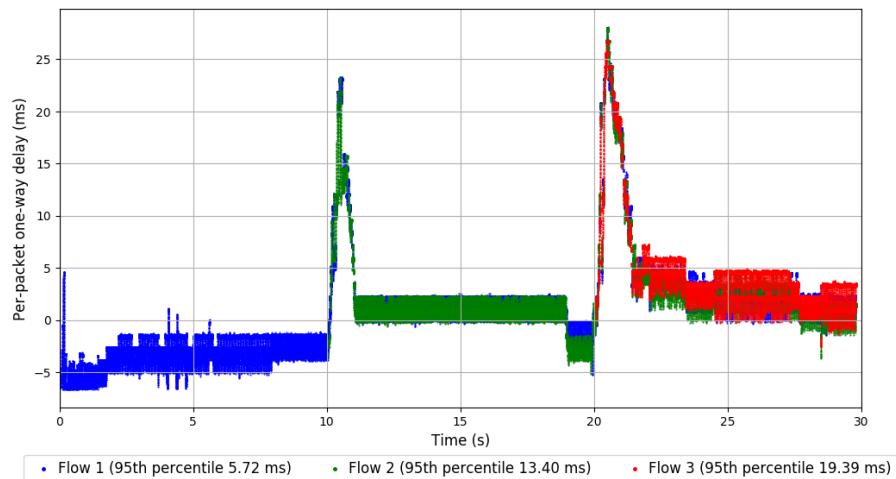
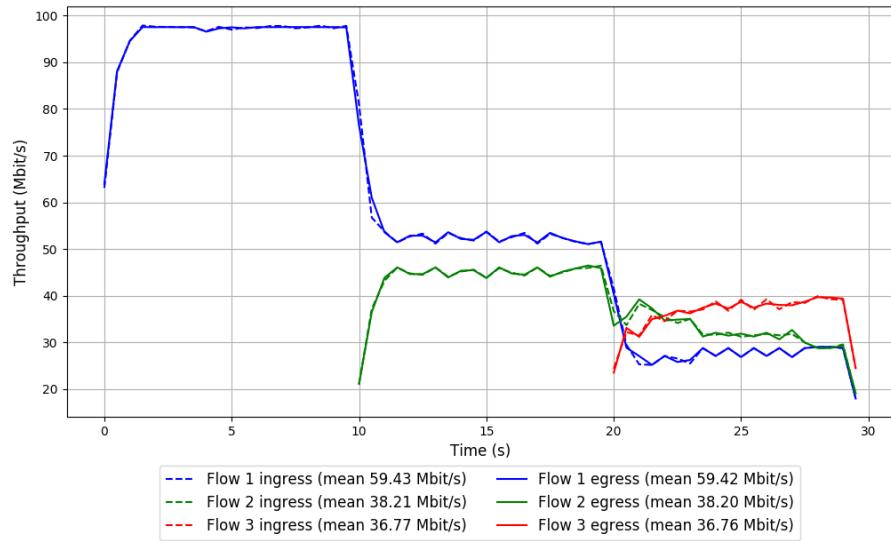


Run 5: Statistics of Indigo-calib

```
Start at: 2017-12-12 00:00:22
End at: 2017-12-12 00:00:52
Local clock offset: 4.447 ms
Remote clock offset: -13.387 ms

# Below is generated by plot.py at 2017-12-12 02:17:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 10.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 5.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 13.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-calib — Data Link

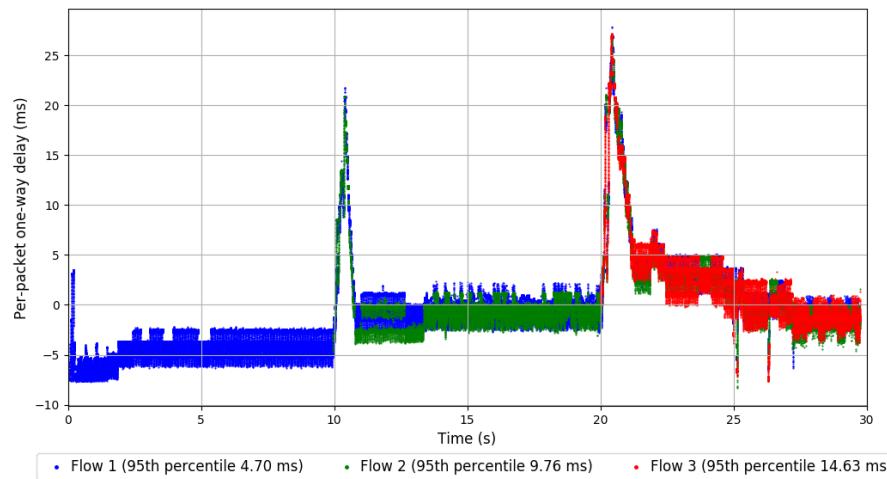
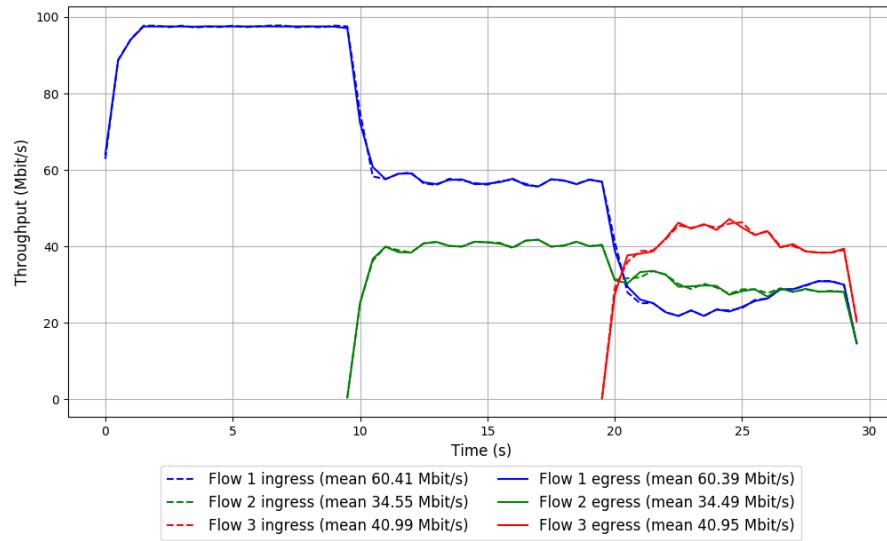


Run 6: Statistics of Indigo-calib

```
Start at: 2017-12-12 00:17:03
End at: 2017-12-12 00:17:33
Local clock offset: 4.365 ms
Remote clock offset: -14.179 ms

# Below is generated by plot.py at 2017-12-12 02:17:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 6.791 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 4.704 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 9.759 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 14.626 ms
Loss rate: 0.10%
```

Run 6: Report of Indigo-calib — Data Link

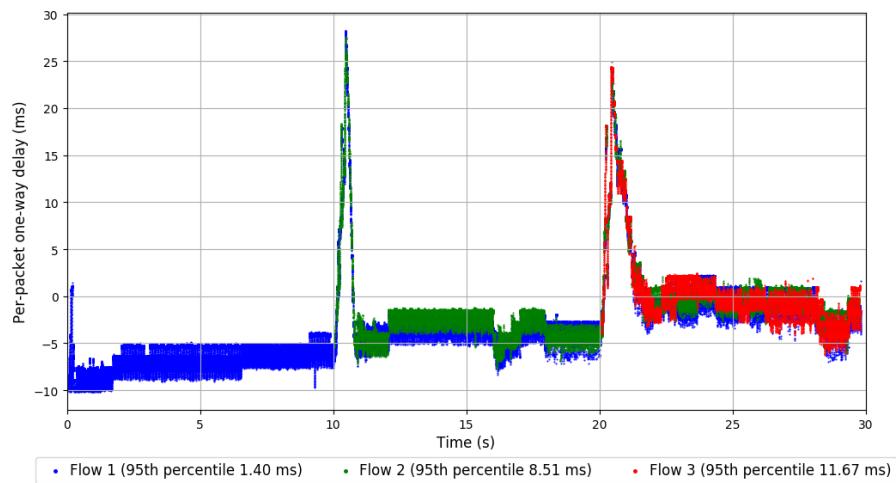
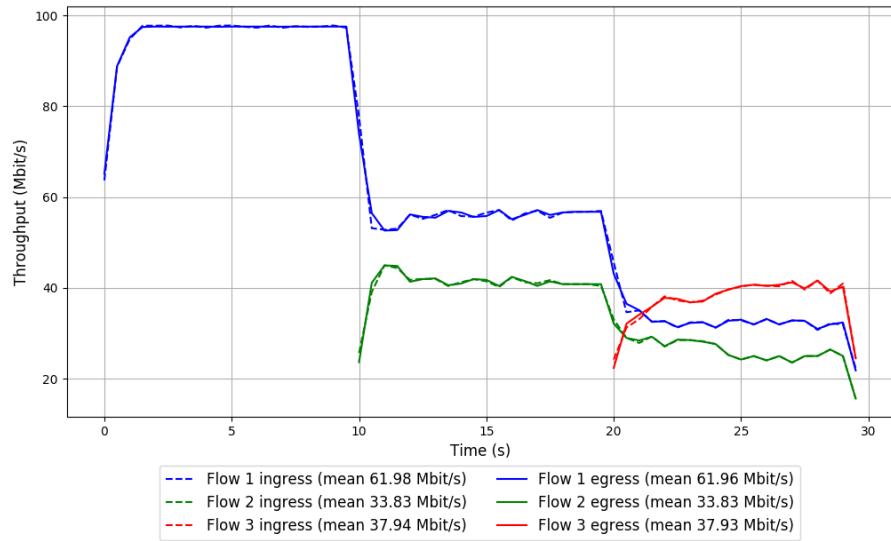


Run 7: Statistics of Indigo-calib

```
Start at: 2017-12-12 00:33:31
End at: 2017-12-12 00:34:01
Local clock offset: 6.017 ms
Remote clock offset: -13.484 ms

# Below is generated by plot.py at 2017-12-12 02:17:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 4.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 8.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 11.668 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-calib — Data Link

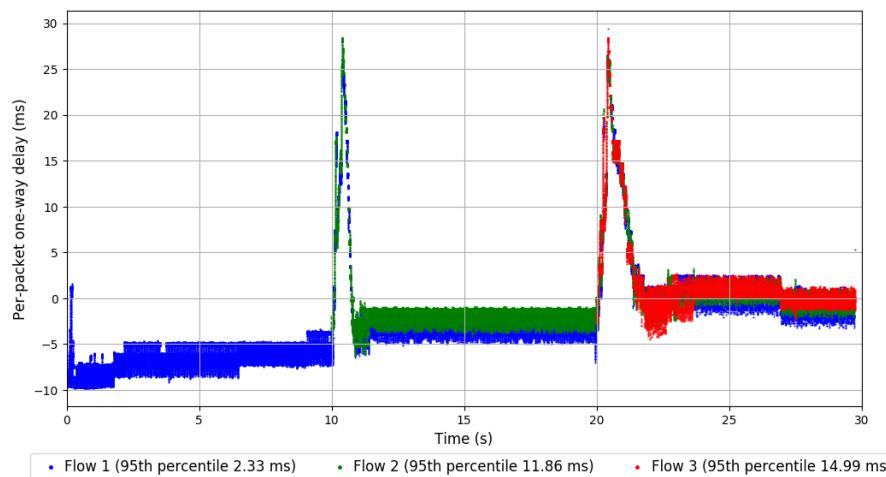
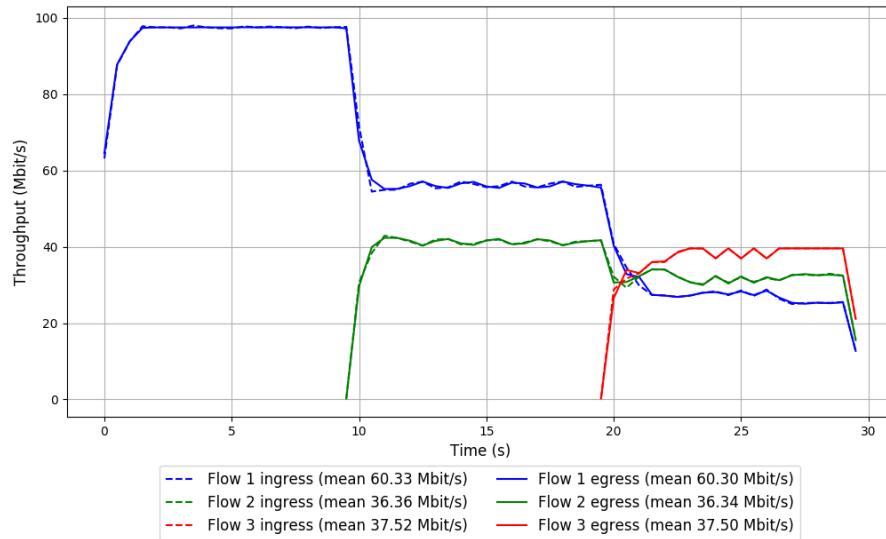


Run 8: Statistics of Indigo-calib

```
Start at: 2017-12-12 00:50:01
End at: 2017-12-12 00:50:31
Local clock offset: 7.684 ms
Remote clock offset: -11.178 ms

# Below is generated by plot.py at 2017-12-12 02:17:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 7.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 14.986 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-calib — Data Link

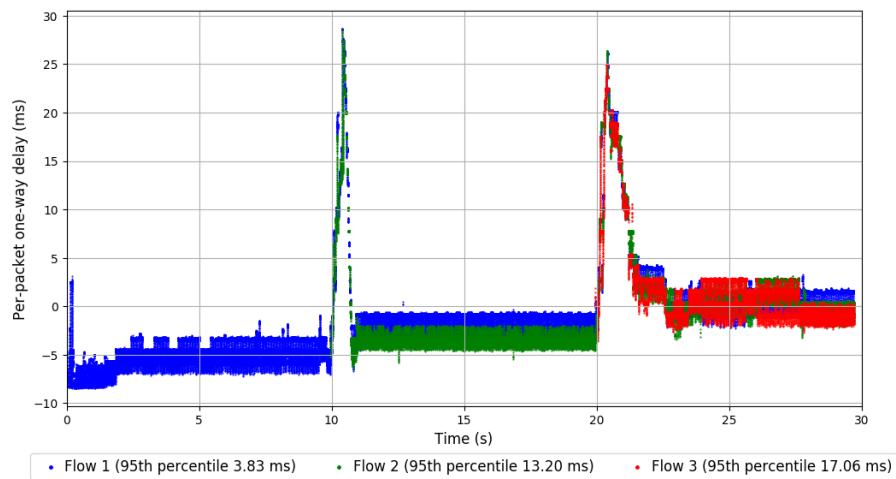
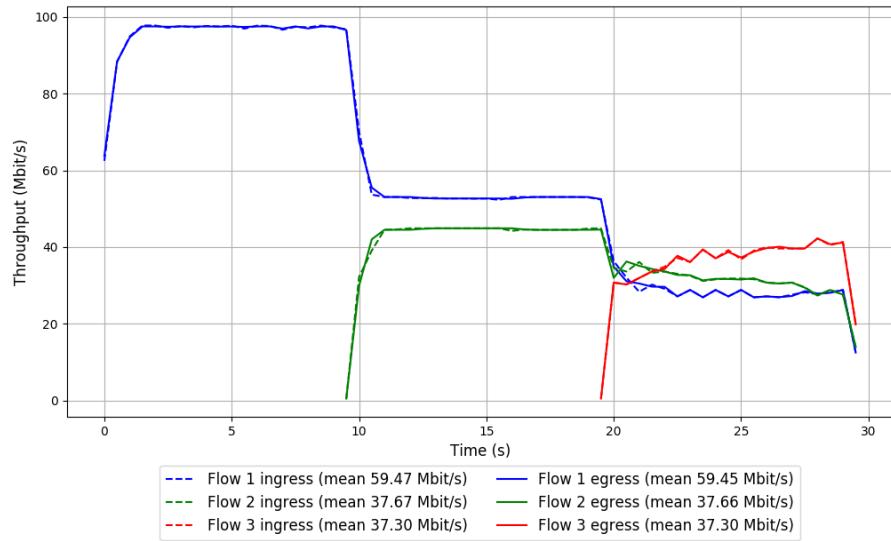


Run 9: Statistics of Indigo-calib

```
Start at: 2017-12-12 01:06:40
End at: 2017-12-12 01:07:10
Local clock offset: 6.073 ms
Remote clock offset: -12.314 ms

# Below is generated by plot.py at 2017-12-12 02:17:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 8.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 3.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 13.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 17.062 ms
Loss rate: 0.03%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

```
Start at: 2017-12-12 01:23:16
End at: 2017-12-12 01:23:46
Local clock offset: 3.447 ms
Remote clock offset: -10.333 ms

# Below is generated by plot.py at 2017-12-12 02:17:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 10.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 4.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 13.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 17.713 ms
Loss rate: 0.03%
```

Run 10: Report of Indigo-calib — Data Link

