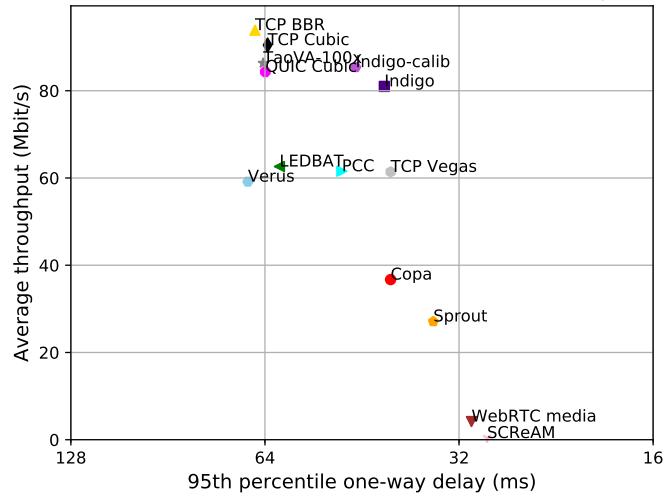


Pantheon Report

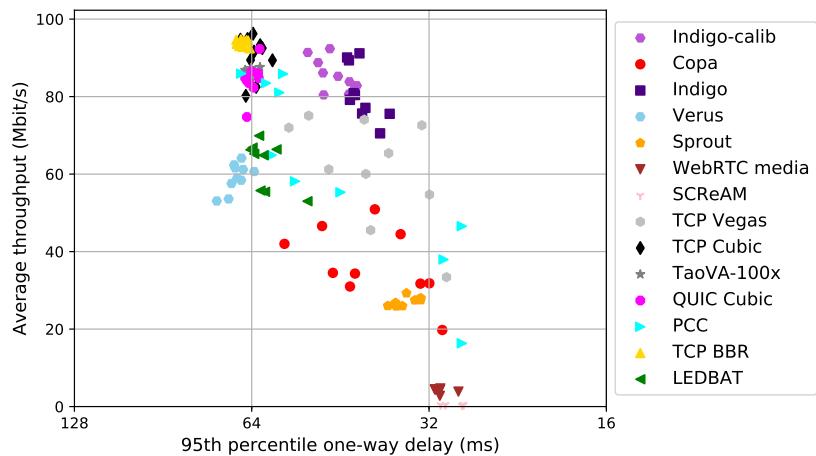
Generated at 2017-12-12 03:52:57 (UTC).
Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: indigos @ 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 California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



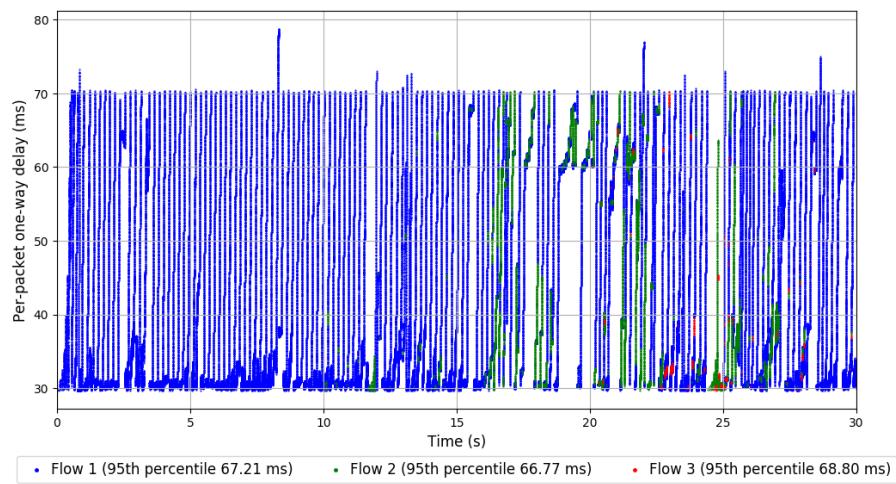
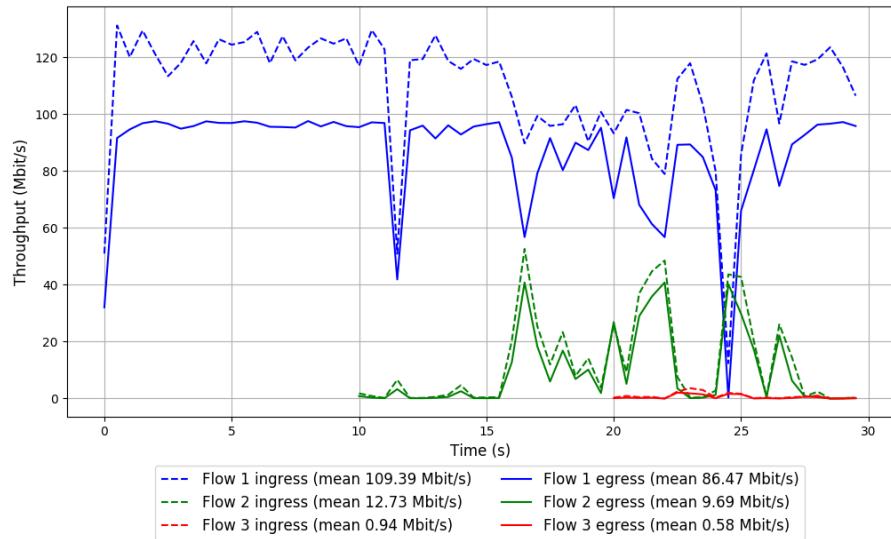
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	84.89	8.71	10.53	66.26	66.03	66.17	22.01	31.35	30.25
TCP Cubic	10	49.92	45.97	30.00	62.91	63.52	62.15	0.68	0.54	0.50
LEDBAT	9	37.49	27.80	20.35	58.85	61.29	56.43	0.12	0.30	0.46
PCC	10	38.24	25.85	17.12	47.56	48.05	49.67	1.02	1.65	2.08
QUIC Cubic	9	57.73	28.78	22.73	63.52	64.39	65.04	1.28	0.92	1.23
SCReAM	5	82.96	0.21	0.22	208.41	28.97	28.94	0.03	0.09	0.00
WebRTC media	10	2.18	1.46	0.55	30.54	30.61	30.91	0.01	0.04	0.03
Sprout	10	13.61	13.65	13.38	34.83	35.12	35.44	0.04	0.05	0.01
TaoVA-100x	10	53.48	39.58	29.94	61.70	65.16	66.49	13.40	24.71	18.32
TCP Vegas	10	30.26	31.53	30.61	40.02	36.45	35.84	0.20	0.29	0.40
Verus	10	35.15	28.52	18.02	66.92	67.22	66.63	39.15	42.46	43.89
Copa	10	22.53	15.53	14.83	40.29	39.22	37.08	0.16	0.16	0.01
Indigo	10	47.08	36.67	28.94	38.64	43.18	50.11	0.17	0.12	0.12
Indigo-calib	10	52.80	33.23	31.13	41.92	48.48	51.97	0.18	0.24	0.44

Run 1: Statistics of TCP BBR

```
Start at: 2017-12-11 23:32:30
End at: 2017-12-11 23:33:00
Local clock offset: -0.283 ms
Remote clock offset: 2.267 ms

# Below is generated by plot.py at 2017-12-12 03:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 67.192 ms
Loss rate: 21.23%
-- Flow 1:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 67.207 ms
Loss rate: 20.95%
-- Flow 2:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 66.770 ms
Loss rate: 24.14%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 68.797 ms
Loss rate: 38.94%
```

Run 1: Report of TCP BBR — Data Link

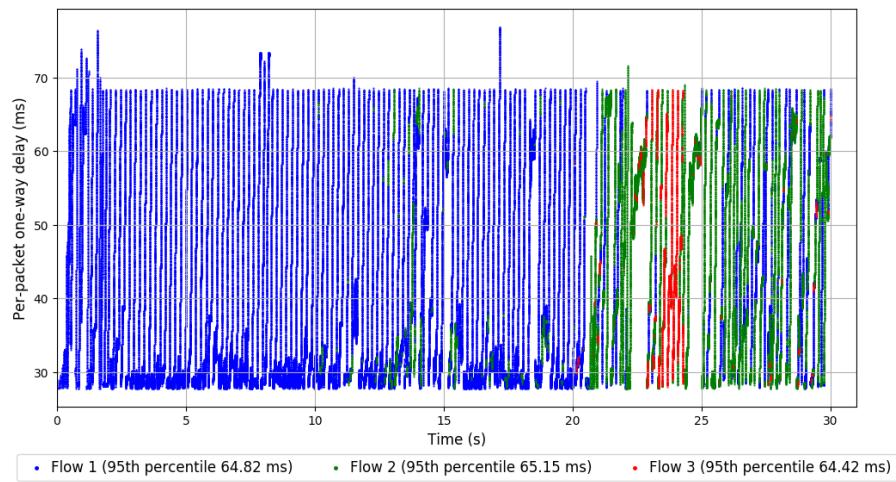
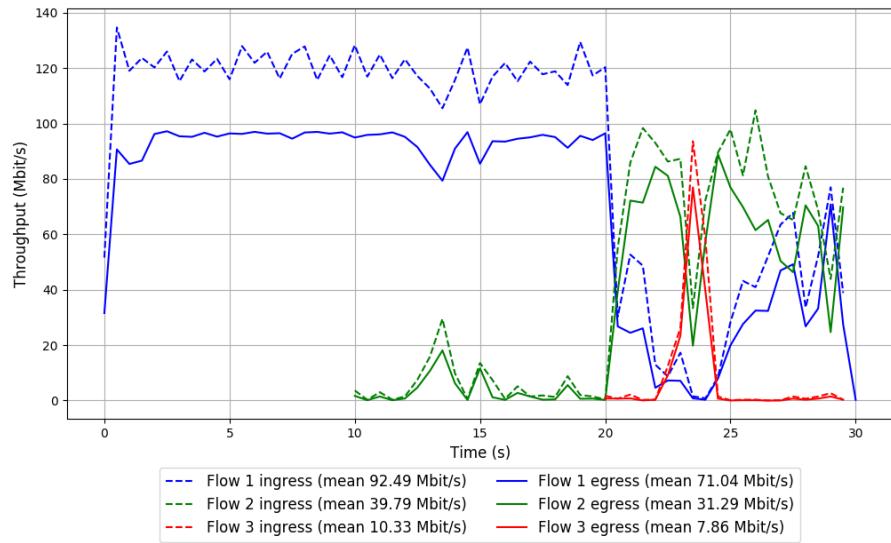


Run 2: Statistics of TCP BBR

```
Start at: 2017-12-11 23:55:05
End at: 2017-12-11 23:55:35
Local clock offset: -0.191 ms
Remote clock offset: 0.4 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 64.892 ms
Loss rate: 22.78%
-- Flow 1:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 64.824 ms
Loss rate: 23.13%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 65.147 ms
Loss rate: 21.40%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 64.415 ms
Loss rate: 23.84%
```

Run 2: Report of TCP BBR — Data Link

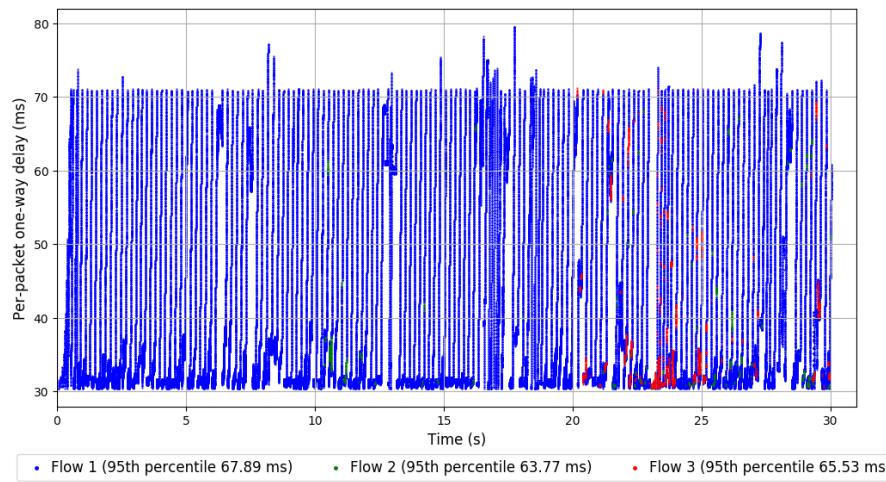
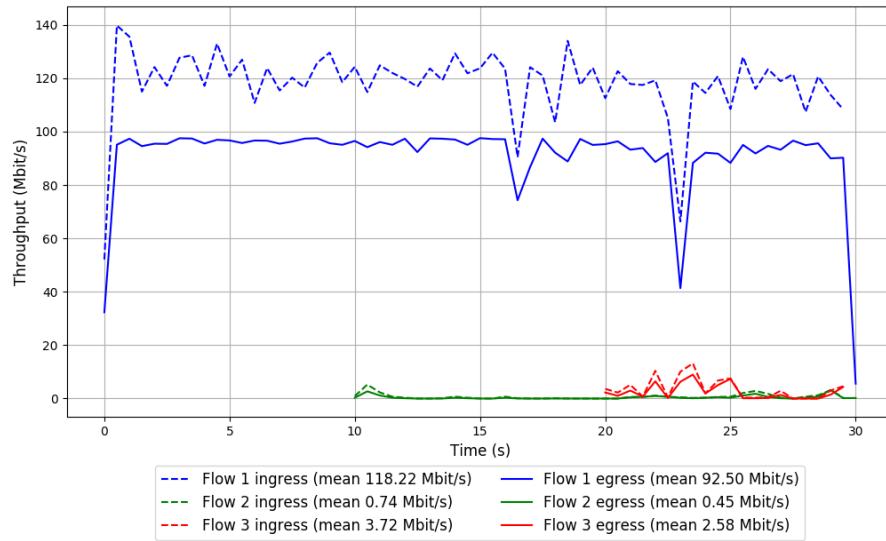


Run 3: Statistics of TCP BBR

```
Start at: 2017-12-12 00:17:42
End at: 2017-12-12 00:18:12
Local clock offset: -0.584 ms
Remote clock offset: 2.238 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 67.867 ms
Loss rate: 21.85%
-- Flow 1:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 67.885 ms
Loss rate: 21.68%
-- Flow 2:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 63.770 ms
Loss rate: 39.36%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 65.532 ms
Loss rate: 30.96%
```

Run 3: Report of TCP BBR — Data Link

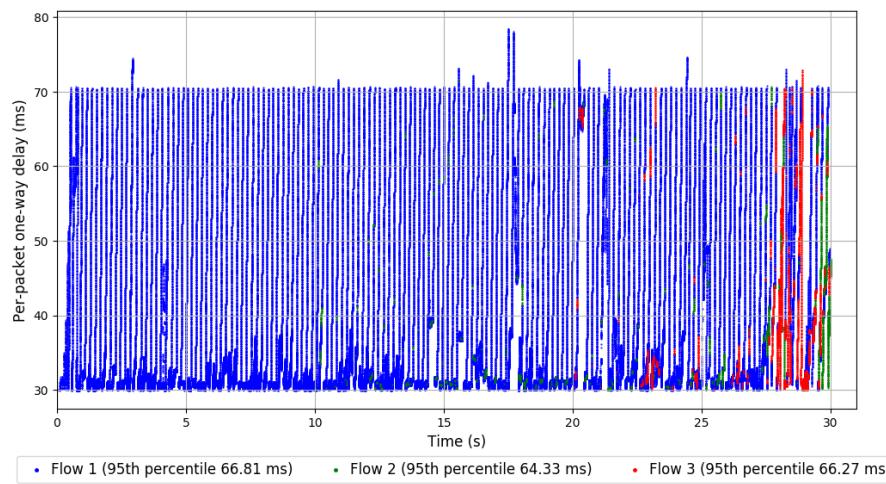
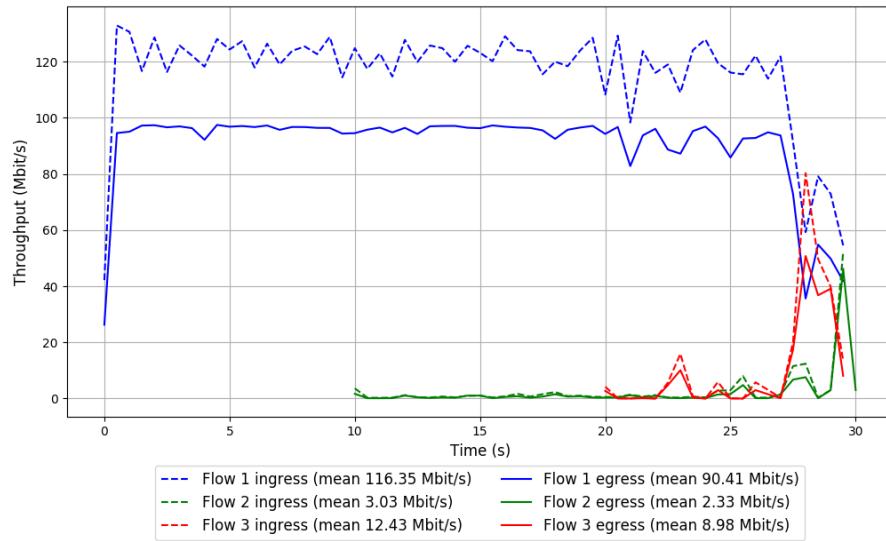


Run 4: Statistics of TCP BBR

```
Start at: 2017-12-12 00:40:33
End at: 2017-12-12 00:41:03
Local clock offset: -0.734 ms
Remote clock offset: 0.743 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 66.769 ms
Loss rate: 22.45%
-- Flow 1:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 66.807 ms
Loss rate: 22.25%
-- Flow 2:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 64.329 ms
Loss rate: 23.22%
-- Flow 3:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 66.274 ms
Loss rate: 27.59%
```

Run 4: Report of TCP BBR — Data Link

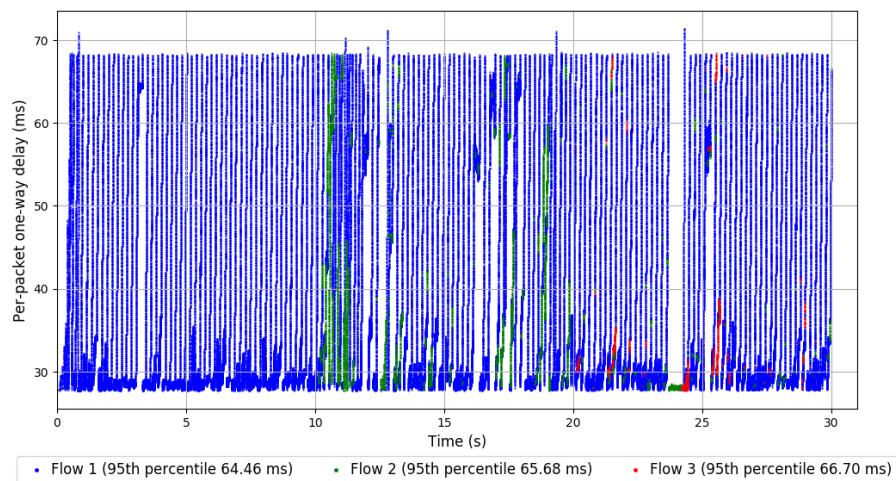
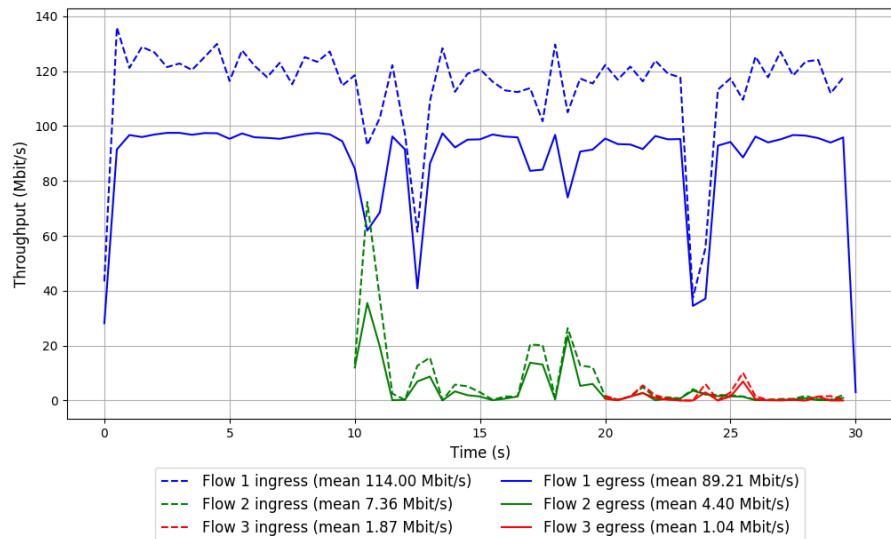


Run 5: Statistics of TCP BBR

```
Start at: 2017-12-12 01:03:37
End at: 2017-12-12 01:04:07
Local clock offset: -0.302 ms
Remote clock offset: -3.881 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 64.491 ms
Loss rate: 22.58%
-- Flow 1:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 64.462 ms
Loss rate: 21.70%
-- Flow 2:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 65.683 ms
Loss rate: 40.45%
-- Flow 3:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 66.698 ms
Loss rate: 44.76%
```

Run 5: Report of TCP BBR — Data Link

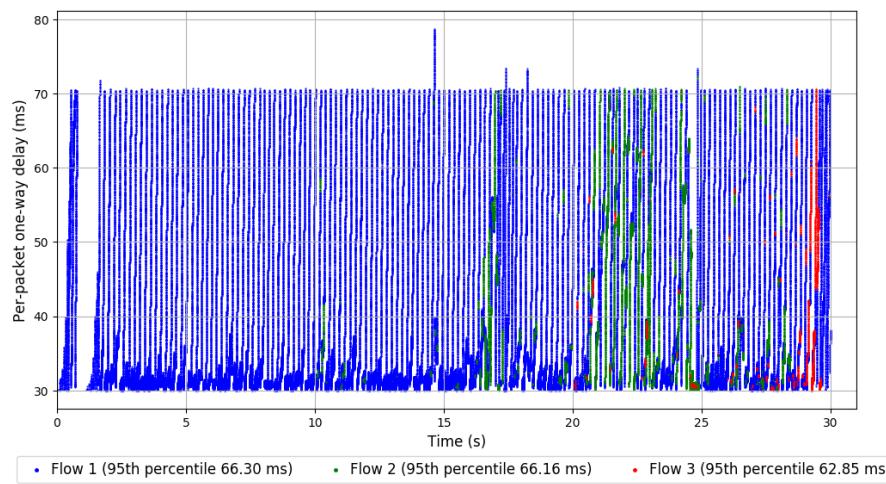
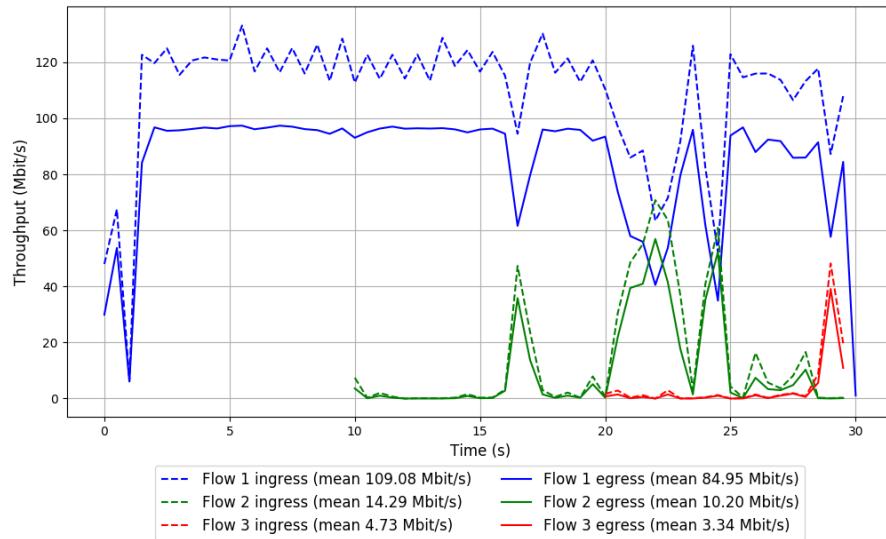


Run 6: Statistics of TCP BBR

```
Start at: 2017-12-12 01:28:20
End at: 2017-12-12 01:28:50
Local clock offset: -0.004 ms
Remote clock offset: -3.398 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 66.270 ms
Loss rate: 22.70%
-- Flow 1:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 66.295 ms
Loss rate: 22.10%
-- Flow 2:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 66.159 ms
Loss rate: 28.51%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 62.851 ms
Loss rate: 29.22%
```

Run 6: Report of TCP BBR — Data Link

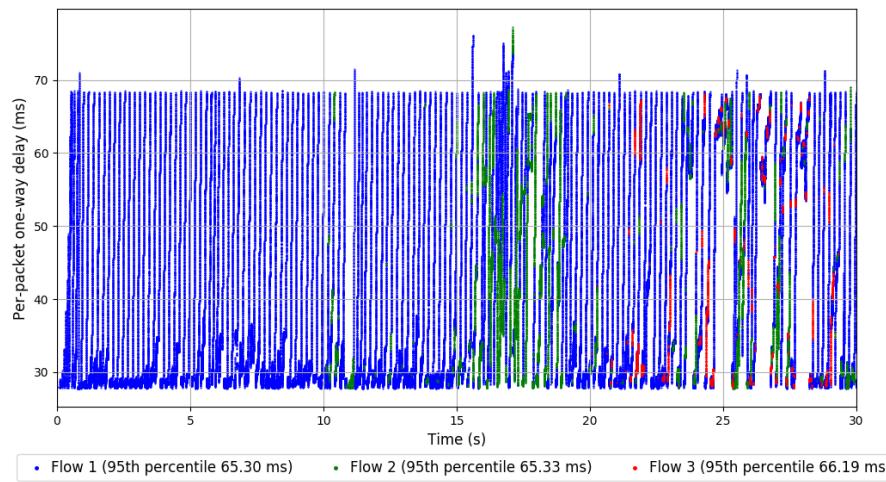
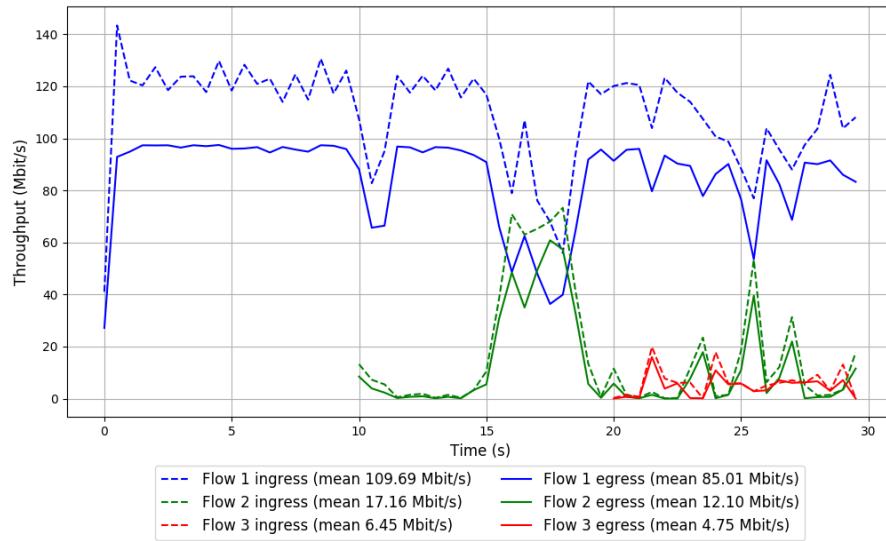


Run 7: Statistics of TCP BBR

```
Start at: 2017-12-12 01:53:34
End at: 2017-12-12 01:54:04
Local clock offset: 0.535 ms
Remote clock offset: -5.732 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 65.330 ms
Loss rate: 23.23%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 65.302 ms
Loss rate: 22.50%
-- Flow 2:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 65.331 ms
Loss rate: 29.73%
-- Flow 3:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 66.192 ms
Loss rate: 26.41%
```

Run 7: Report of TCP BBR — Data Link

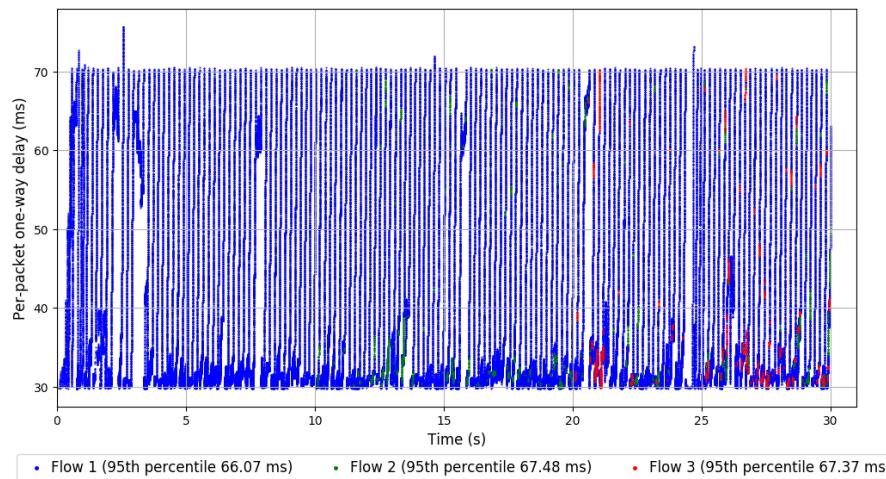
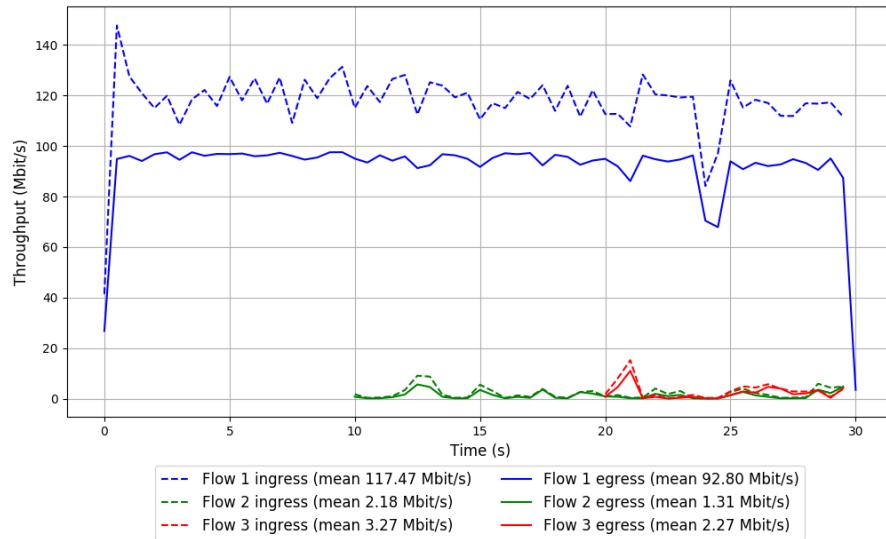


Run 8: Statistics of TCP BBR

```
Start at: 2017-12-12 02:18:53
End at: 2017-12-12 02:19:23
Local clock offset: 1.063 ms
Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2017-12-12 03:36:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 66.087 ms
Loss rate: 21.27%
-- Flow 1:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 66.073 ms
Loss rate: 20.96%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 67.476 ms
Loss rate: 39.84%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 67.366 ms
Loss rate: 30.42%
```

Run 8: Report of TCP BBR — Data Link

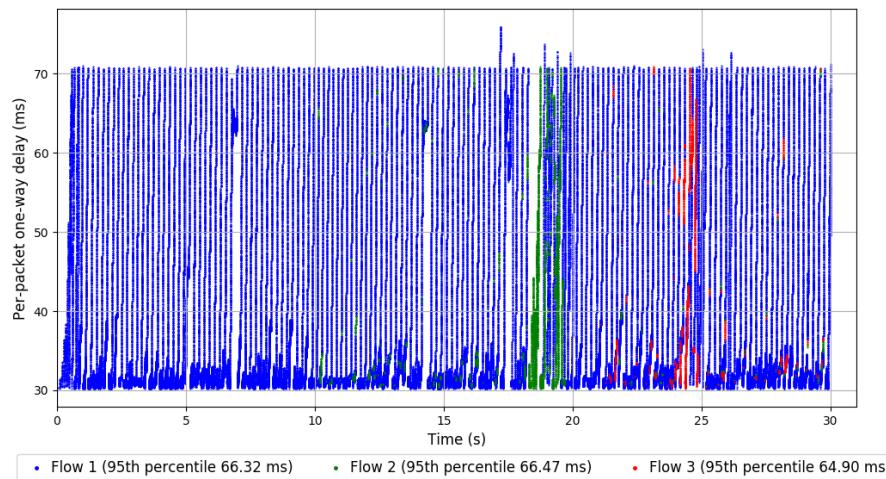
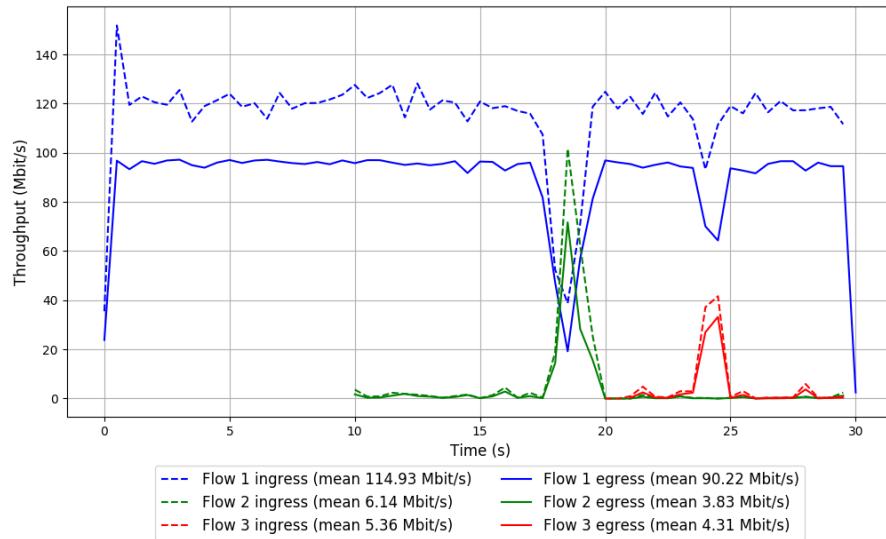


Run 9: Statistics of TCP BBR

```
Start at: 2017-12-12 02:43:04
End at: 2017-12-12 02:43:34
Local clock offset: 1.348 ms
Remote clock offset: -1.946 ms

# Below is generated by plot.py at 2017-12-12 03:37:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 66.312 ms
Loss rate: 22.12%
-- Flow 1:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 66.320 ms
Loss rate: 21.47%
-- Flow 2:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 66.468 ms
Loss rate: 37.79%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 64.901 ms
Loss rate: 28.44%
```

Run 9: Report of TCP BBR — Data Link

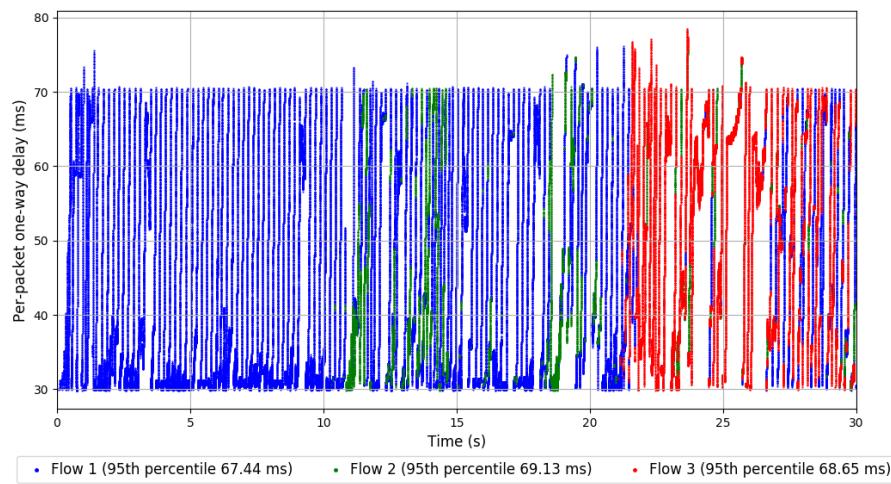
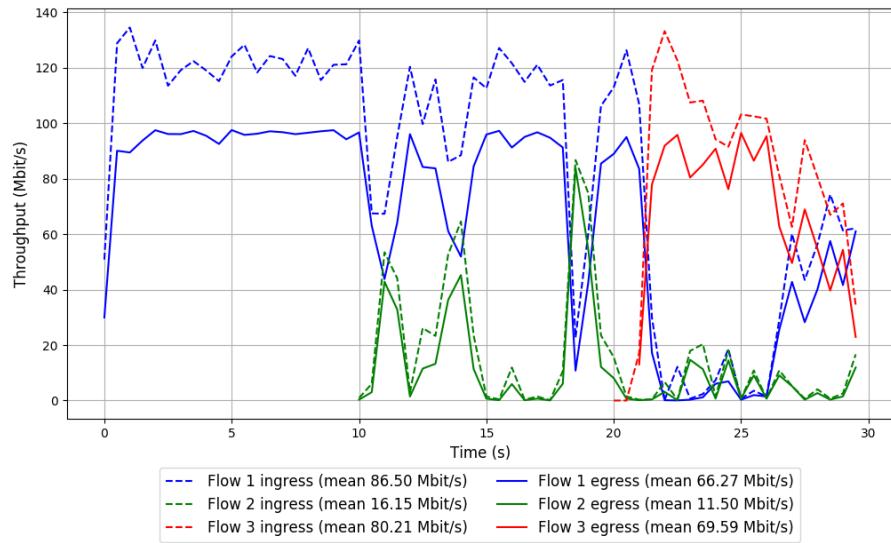


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2017-12-12 03:07:57
End at: 2017-12-12 03:08:27
Local clock offset: 1.402 ms
Remote clock offset: -2.152 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 67.965 ms
Loss rate: 23.56%
-- Flow 1:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 67.445 ms
Loss rate: 23.38%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 69.129 ms
Loss rate: 29.02%
-- Flow 3:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 68.648 ms
Loss rate: 21.93%
```

Run 10: Report of TCP BBR — Data Link

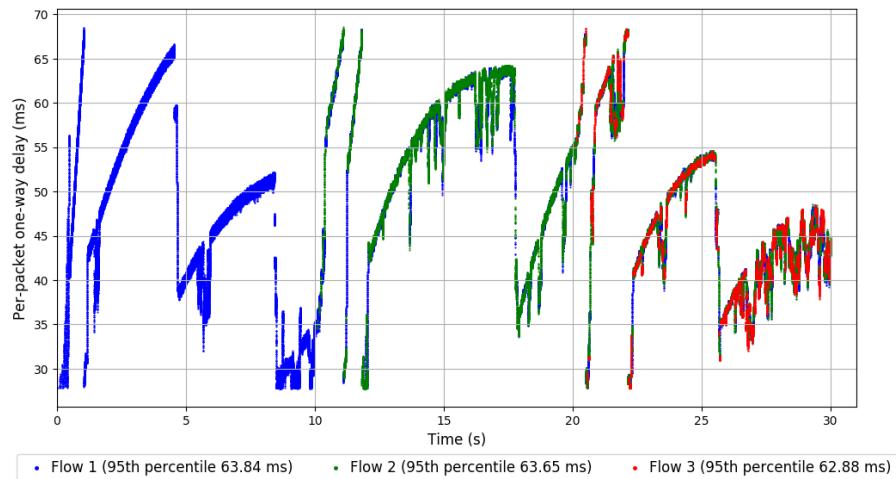
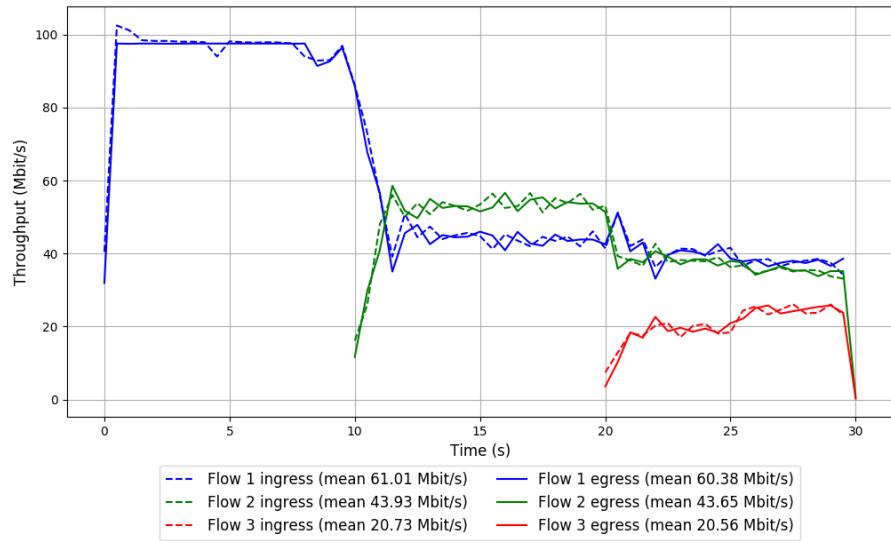


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-12-11 23:26:23
End at: 2017-12-11 23:26:53
Local clock offset: -0.36 ms
Remote clock offset: 0.257 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 63.665 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 63.842 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 63.647 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 62.885 ms
Loss rate: 0.93%
```

Run 1: Report of TCP Cubic — Data Link

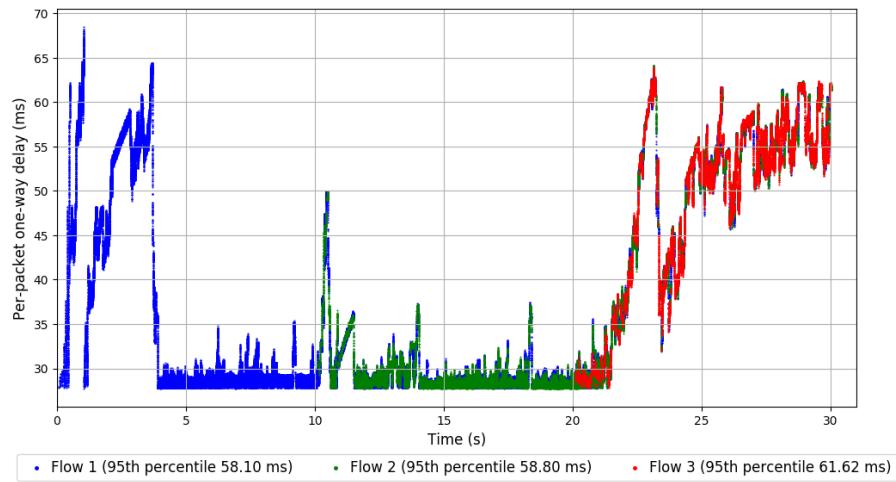
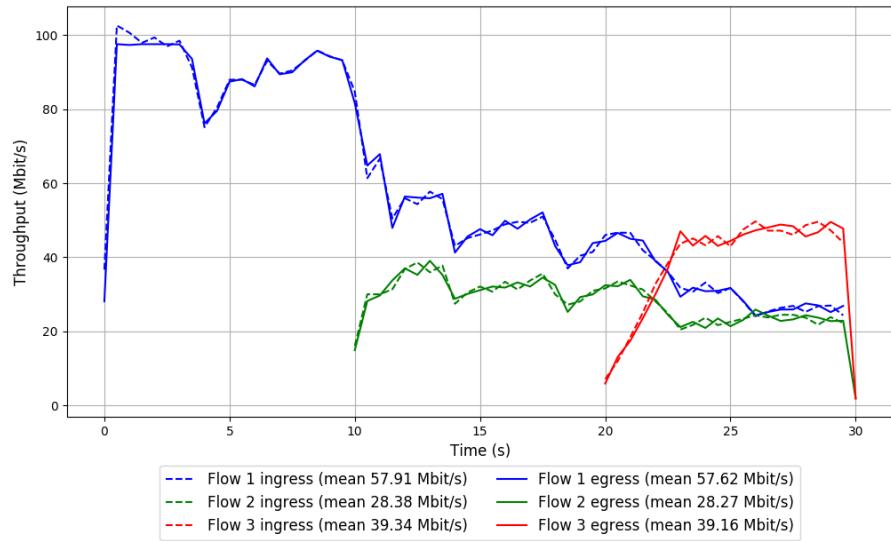


Run 2: Statistics of TCP Cubic

```
Start at: 2017-12-11 23:48:28
End at: 2017-12-11 23:48:58
Local clock offset: -0.087 ms
Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 59.015 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 58.097 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 58.805 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 0.12%
```

Run 2: Report of TCP Cubic — Data Link

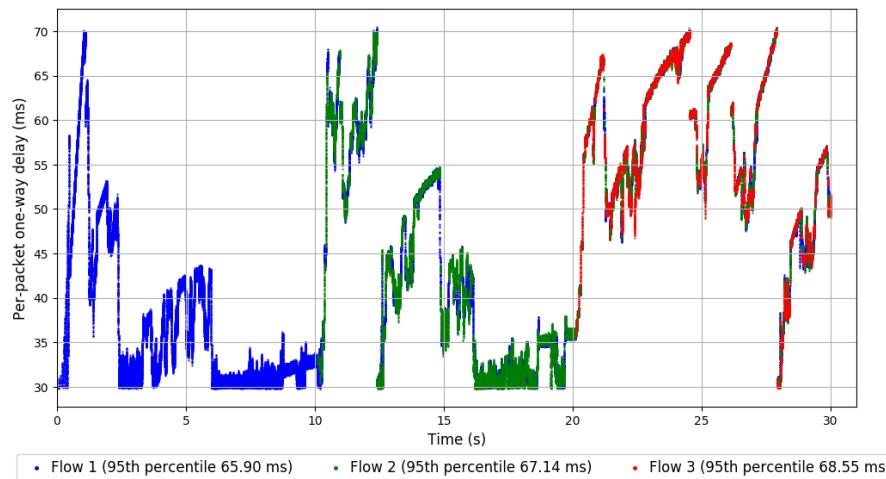
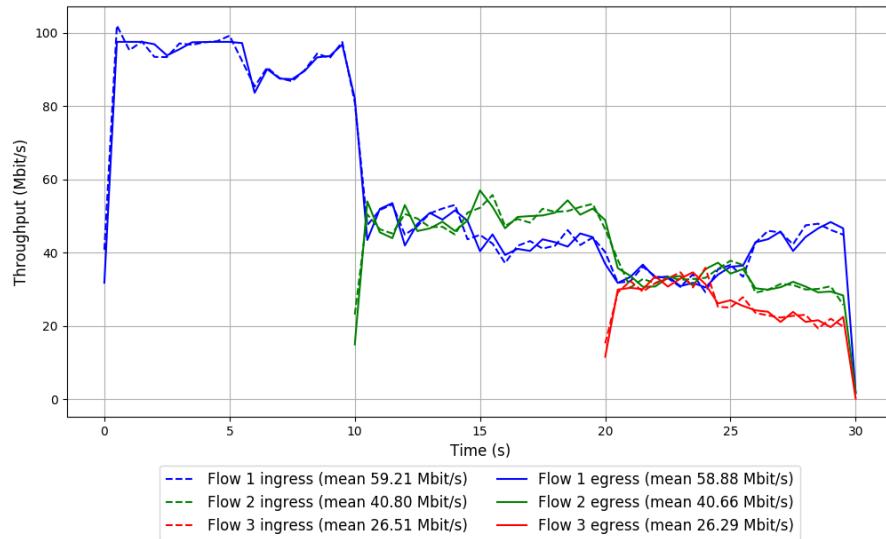


Run 3: Statistics of TCP Cubic

```
Start at: 2017-12-12 00:11:07
End at: 2017-12-12 00:11:37
Local clock offset: -0.462 ms
Remote clock offset: 1.907 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 66.882 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 65.900 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 67.143 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 68.550 ms
Loss rate: 0.68%
```

Run 3: Report of TCP Cubic — Data Link

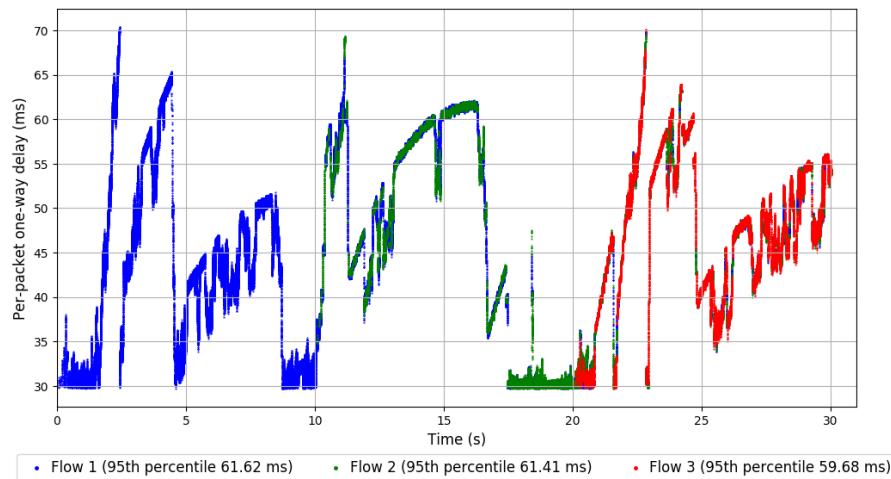
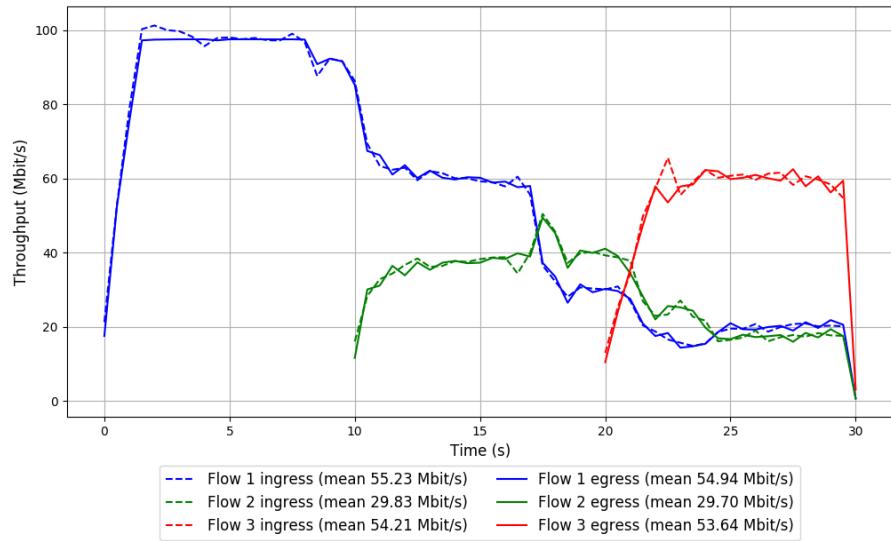


Run 4: Statistics of TCP Cubic

```
Start at: 2017-12-12 00:33:31
End at: 2017-12-12 00:34:01
Local clock offset: -0.731 ms
Remote clock offset: 0.972 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 61.409 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 61.413 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 59.679 ms
Loss rate: 0.82%
```

Run 4: Report of TCP Cubic — Data Link

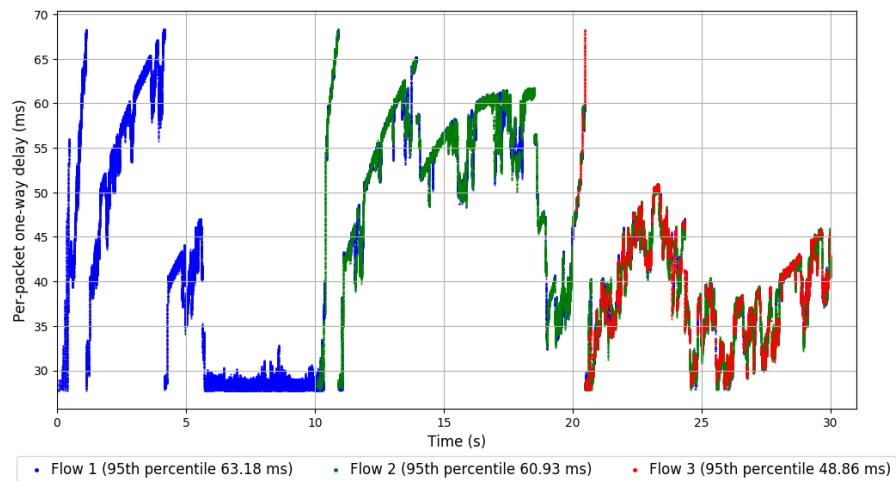
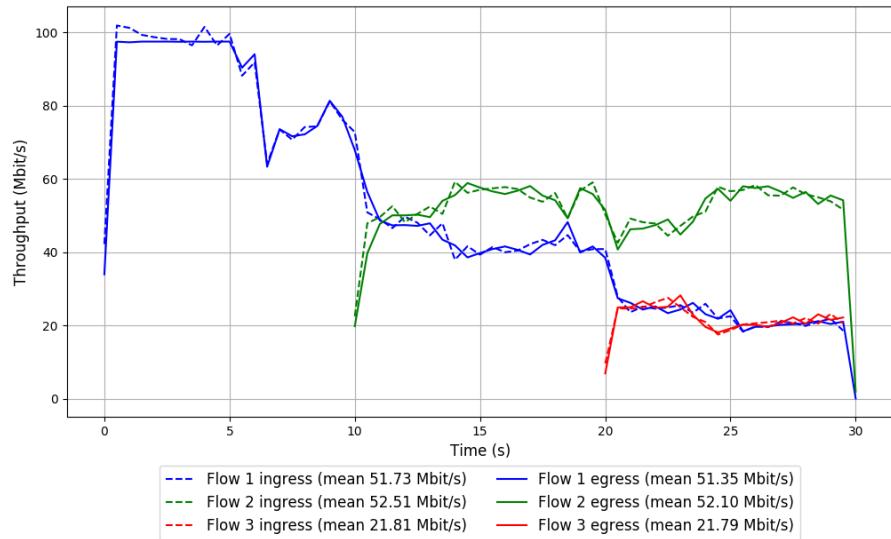


Run 5: Statistics of TCP Cubic

```
Start at: 2017-12-12 00:56:26
End at: 2017-12-12 00:56:56
Local clock offset: -0.526 ms
Remote clock offset: -3.213 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 61.918 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 52.10 Mbit/s
95th percentile per-packet one-way delay: 60.934 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 48.862 ms
Loss rate: 0.15%
```

Run 5: Report of TCP Cubic — Data Link

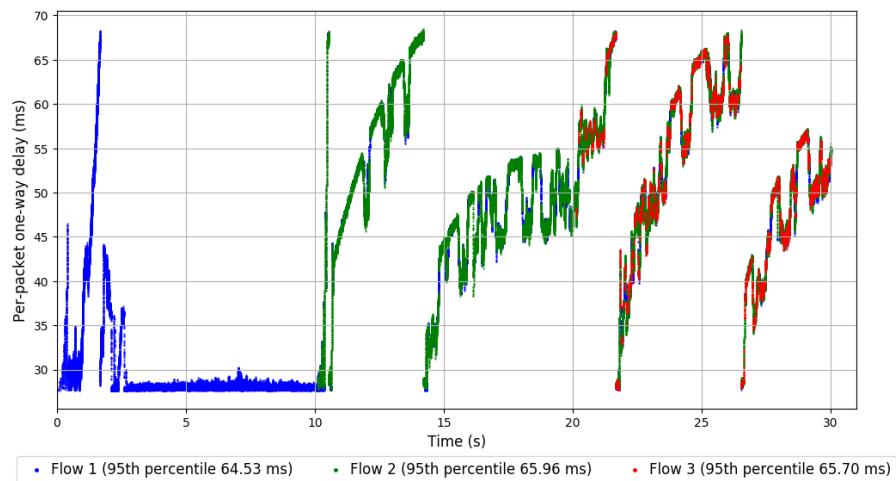
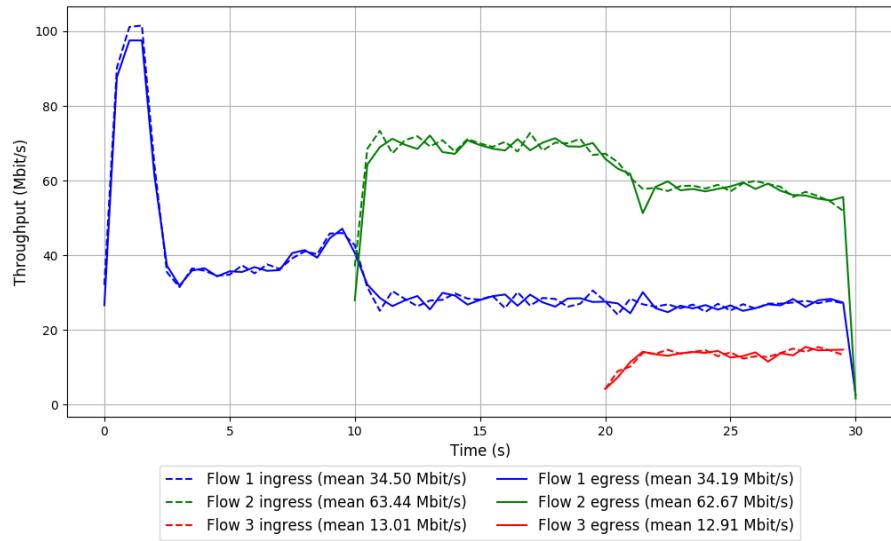


Run 6: Statistics of TCP Cubic

```
Start at: 2017-12-12 01:21:05
End at: 2017-12-12 01:21:35
Local clock offset: 0.02 ms
Remote clock offset: -5.171 ms

# Below is generated by plot.py at 2017-12-12 03:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 65.493 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 64.534 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 65.962 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 65.699 ms
Loss rate: 0.72%
```

Run 6: Report of TCP Cubic — Data Link

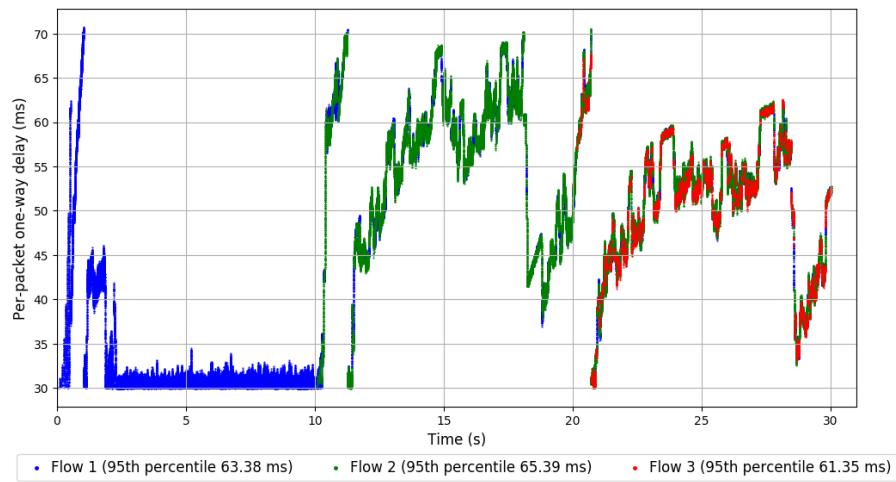
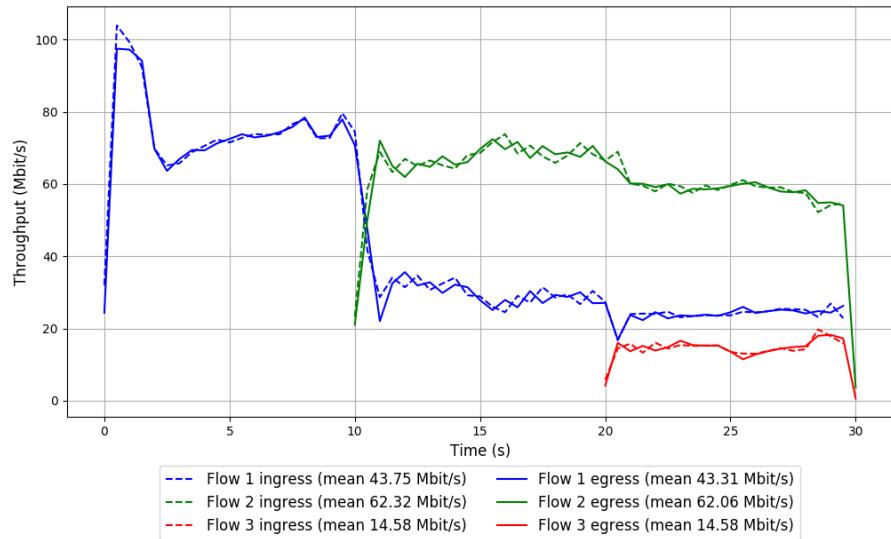


Run 7: Statistics of TCP Cubic

```
Start at: 2017-12-12 01:45:55
End at: 2017-12-12 01:46:25
Local clock offset: 0.22 ms
Remote clock offset: -3.856 ms

# Below is generated by plot.py at 2017-12-12 03:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 64.292 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 63.381 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 65.392 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 61.354 ms
Loss rate: 0.04%
```

Run 7: Report of TCP Cubic — Data Link

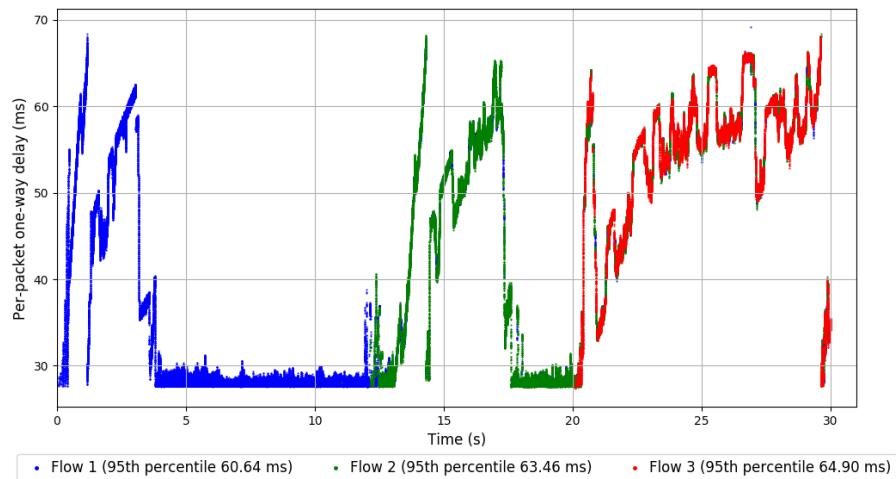
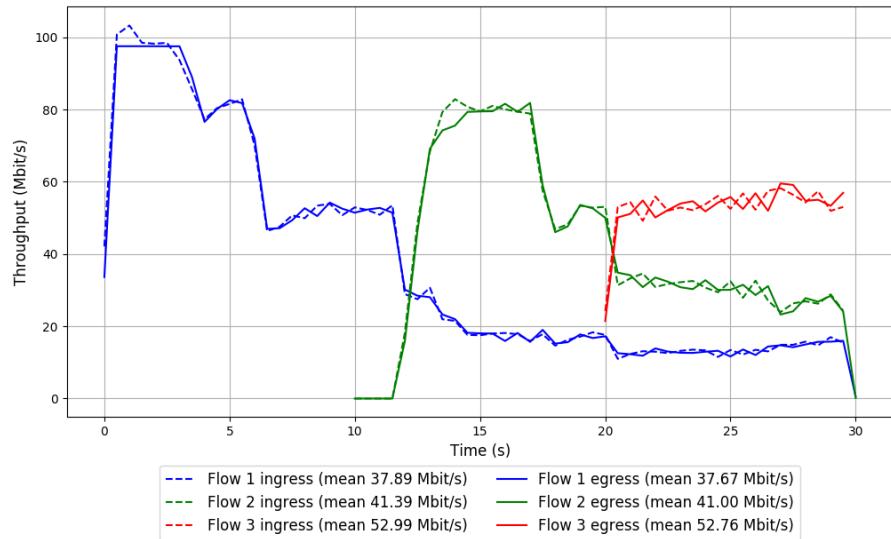


Run 8: Statistics of TCP Cubic

```
Start at: 2017-12-12 02:11:06
End at: 2017-12-12 02:11:36
Local clock offset: 0.996 ms
Remote clock offset: -5.387 ms

# Below is generated by plot.py at 2017-12-12 03:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 62.901 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 60.642 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 63.461 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 64.898 ms
Loss rate: 0.35%
```

Run 8: Report of TCP Cubic — Data Link

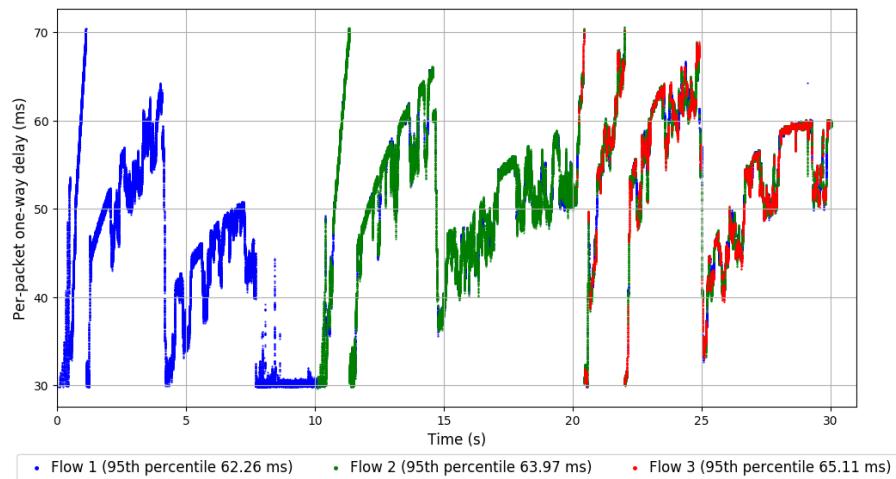
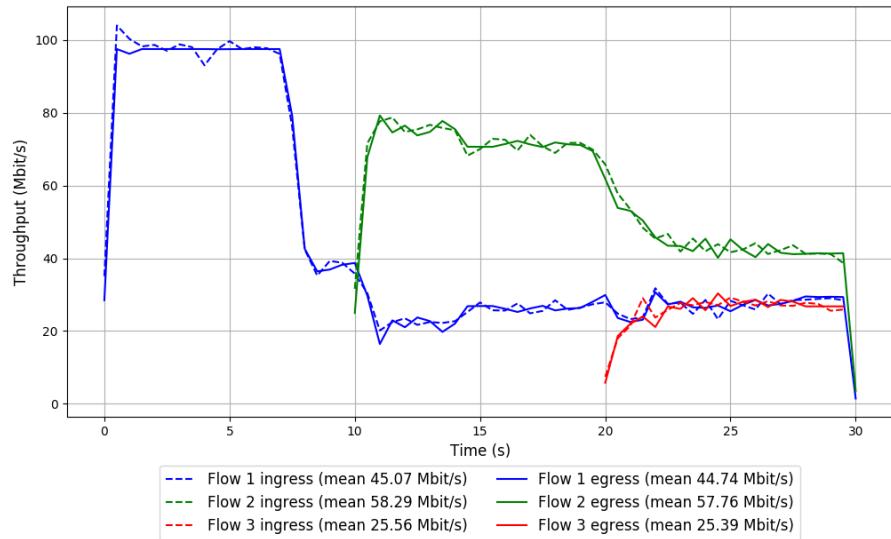


Run 9: Statistics of TCP Cubic

```
Start at: 2017-12-12 02:35:39
End at: 2017-12-12 02:36:09
Local clock offset: 1.278 ms
Remote clock offset: -2.339 ms

# Below is generated by plot.py at 2017-12-12 03:39:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 63.436 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 62.255 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 63.966 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 65.109 ms
Loss rate: 1.01%
```

Run 9: Report of TCP Cubic — Data Link

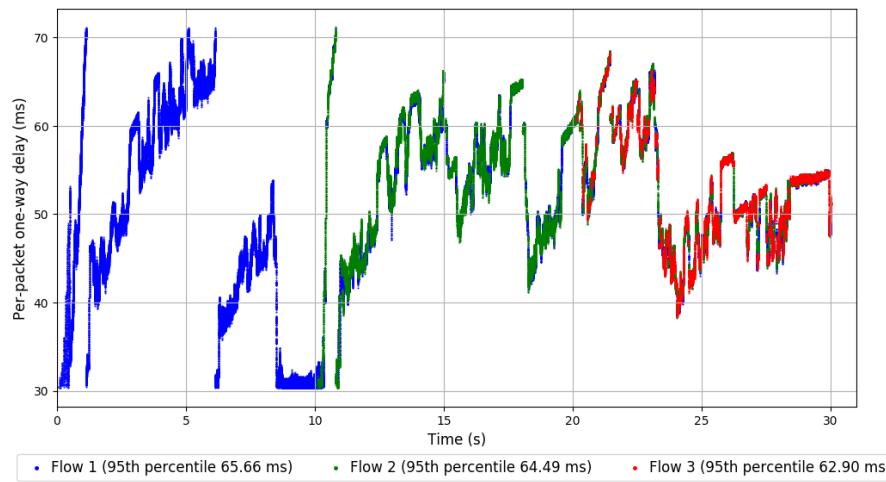
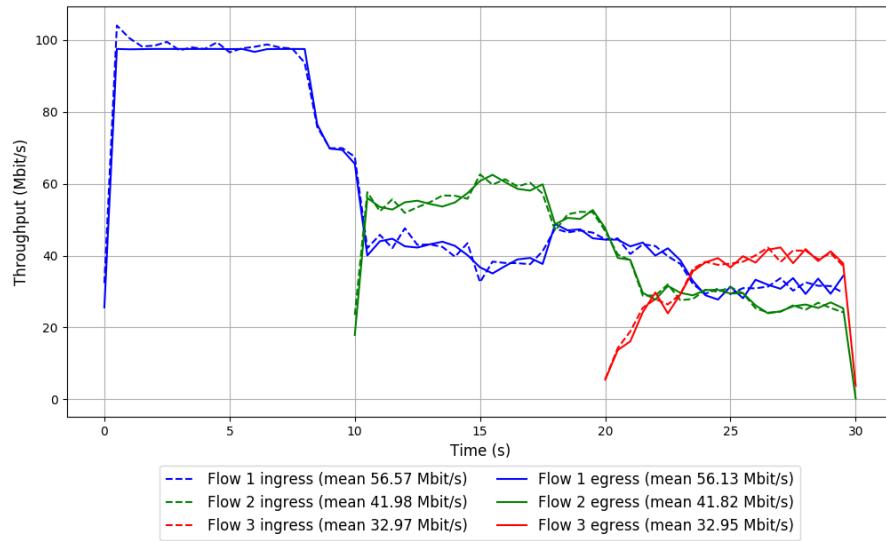


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-12-12 03:00:36
End at: 2017-12-12 03:01:06
Local clock offset: 1.503 ms
Remote clock offset: -1.62 ms

# Below is generated by plot.py at 2017-12-12 03:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 65.056 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 65.663 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 64.492 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 62.895 ms
Loss rate: 0.16%
```

Run 10: Report of TCP Cubic — Data Link

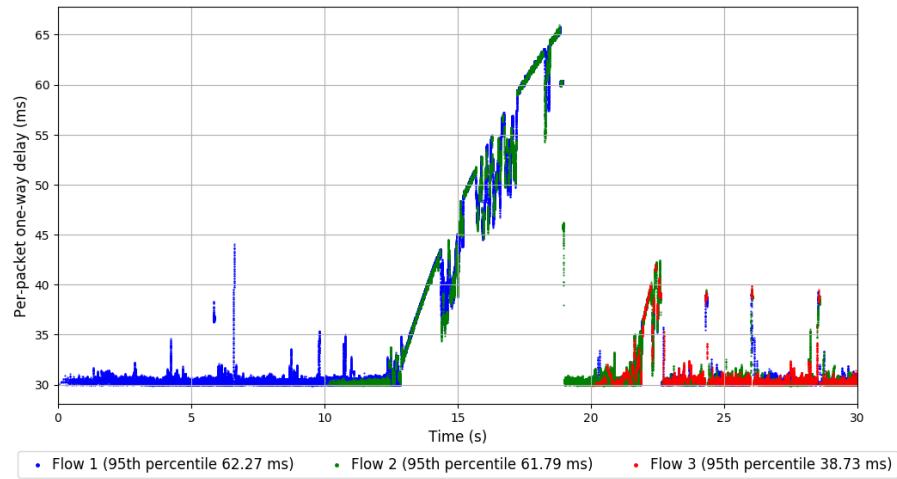
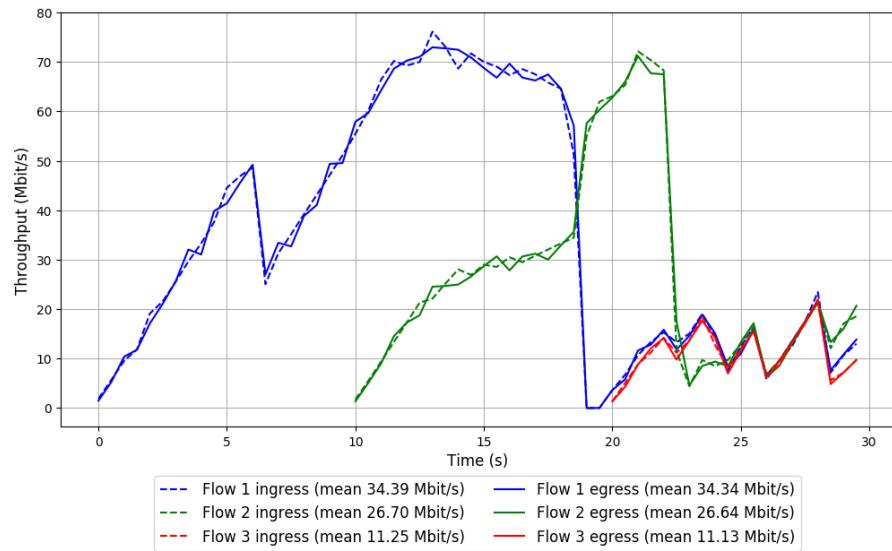


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-12-11 23:31:03
End at: 2017-12-11 23:31:33
Local clock offset: -0.392 ms
Remote clock offset: 2.395 ms

# Below is generated by plot.py at 2017-12-12 03:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 61.850 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 62.272 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 61.788 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 38.732 ms
Loss rate: 1.04%
```

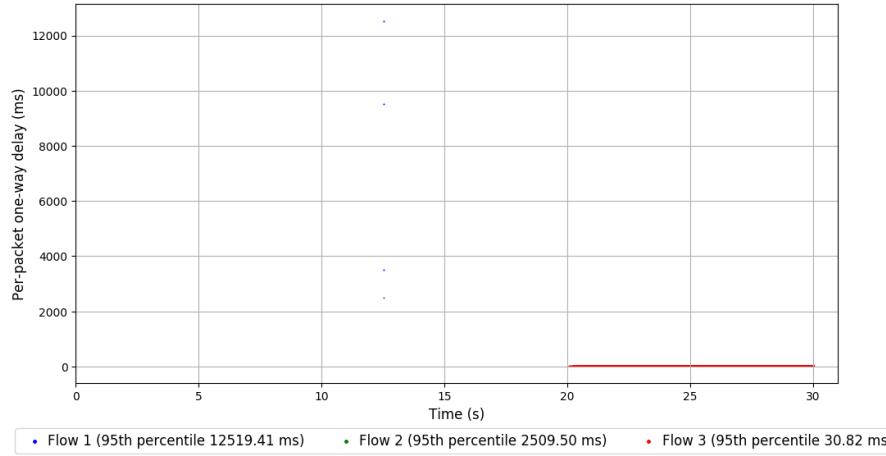
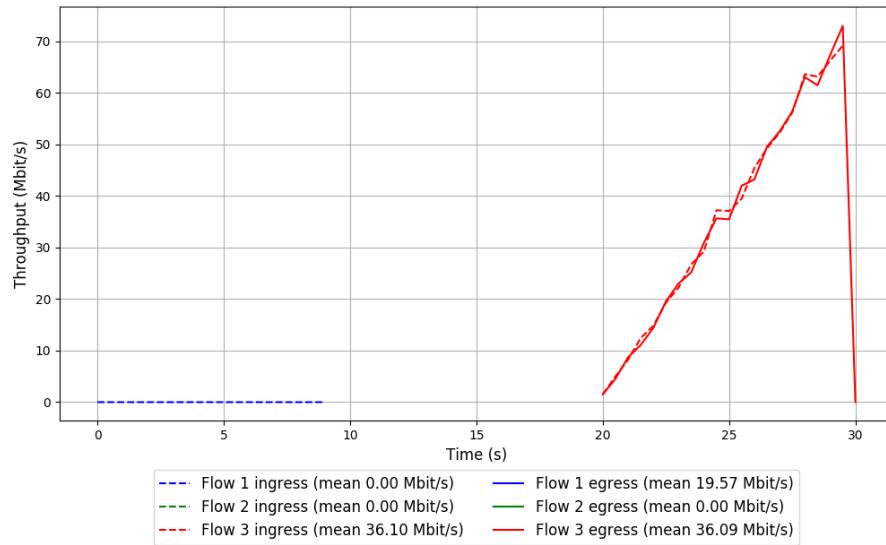
Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-12-11 23:53:39
End at: 2017-12-11 23:54:09
Local clock offset: -0.153 ms
Remote clock offset: 2.467 ms

Run 2: Report of LEDBAT — Data Link

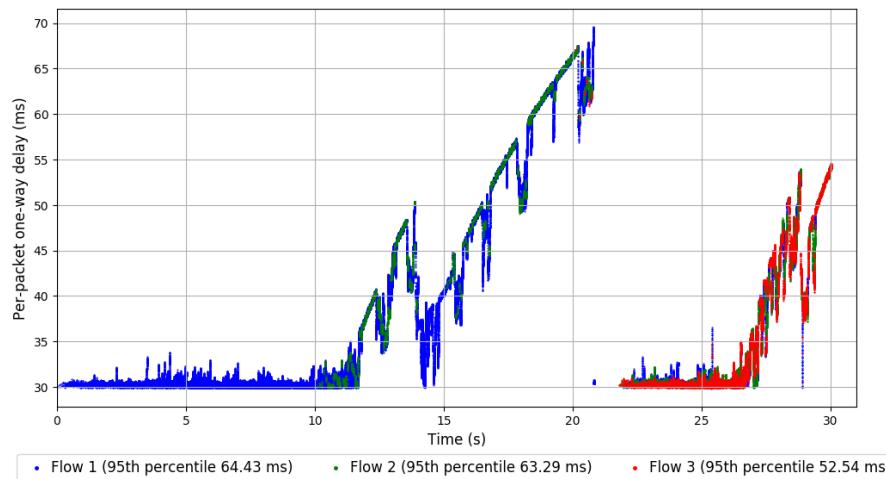
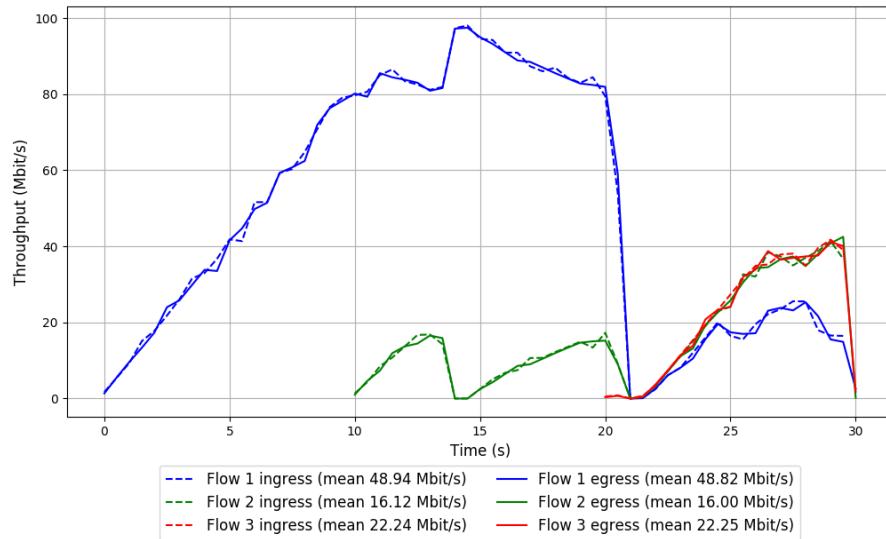


Run 3: Statistics of LEDBAT

```
Start at: 2017-12-12 00:16:09
End at: 2017-12-12 00:16:39
Local clock offset: -0.548 ms
Remote clock offset: 1.823 ms

# Below is generated by plot.py at 2017-12-12 03:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.83 Mbit/s
95th percentile per-packet one-way delay: 63.802 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 64.429 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 63.290 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 52.543 ms
Loss rate: 0.07%
```

Run 3: Report of LEDBAT — Data Link

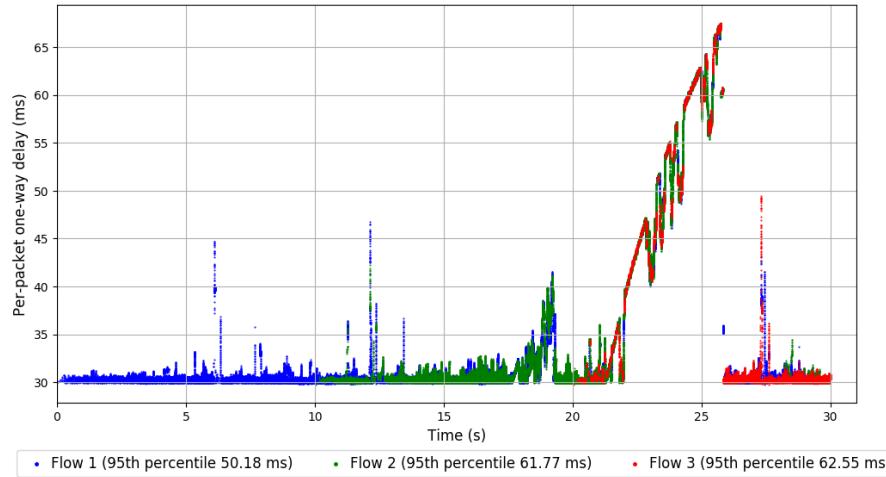
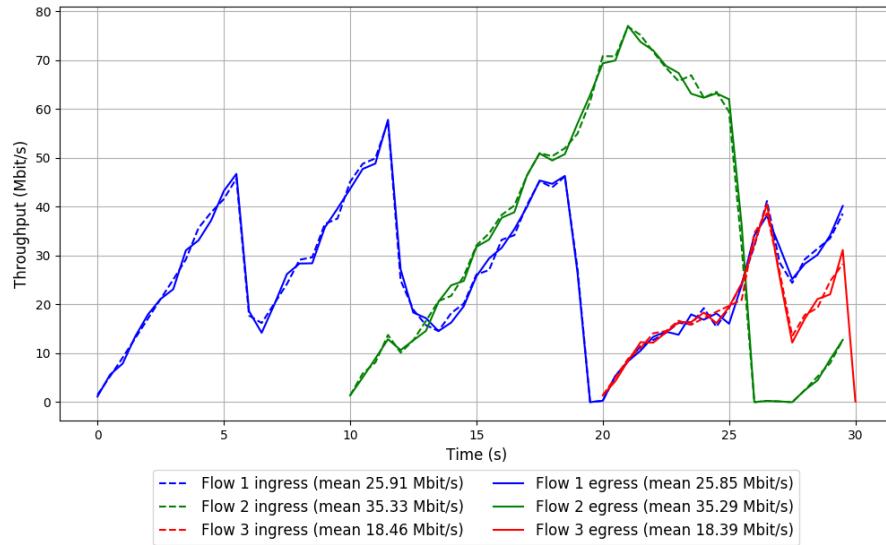


Run 4: Statistics of LEDBAT

```
Start at: 2017-12-12 00:38:57
End at: 2017-12-12 00:39:27
Local clock offset: -0.732 ms
Remote clock offset: 0.864 ms

# Below is generated by plot.py at 2017-12-12 03:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 60.757 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 50.178 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 61.772 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 62.547 ms
Loss rate: 0.40%
```

Run 4: Report of LEDBAT — Data Link

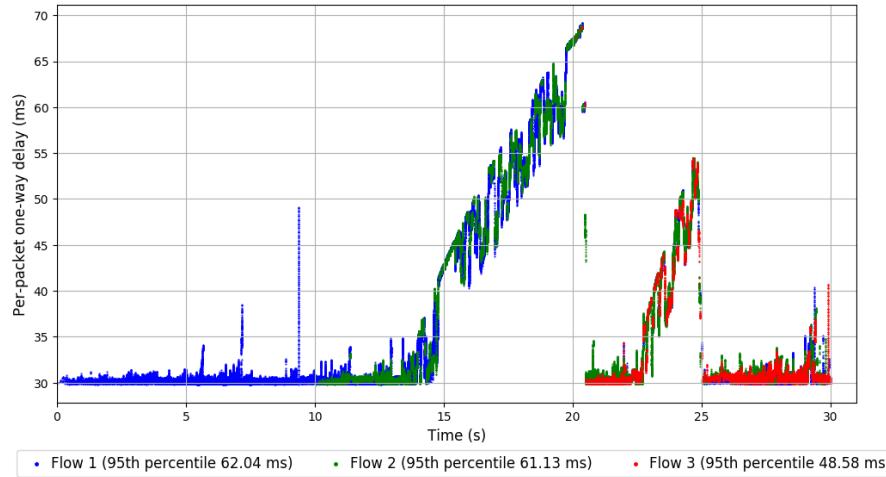
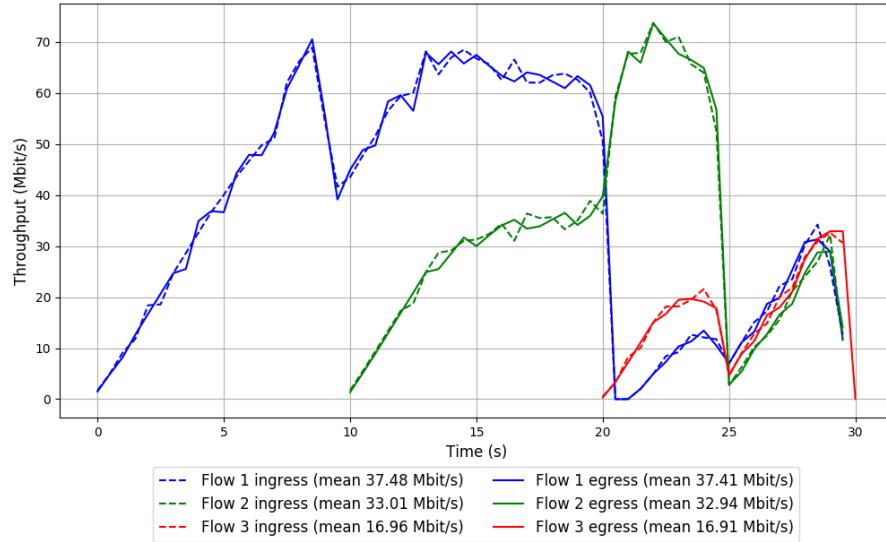


Run 5: Statistics of LEDBAT

```
Start at: 2017-12-12 01:01:45
End at: 2017-12-12 01:02:15
Local clock offset: -0.343 ms
Remote clock offset: -1.557 ms

# Below is generated by plot.py at 2017-12-12 03:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 61.093 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 62.040 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 61.129 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 48.579 ms
Loss rate: 0.64%
```

Run 5: Report of LEDBAT — Data Link

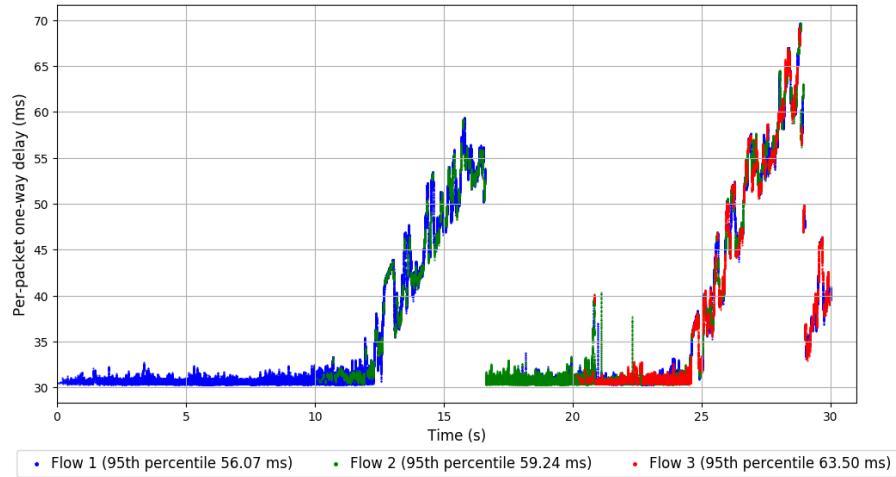
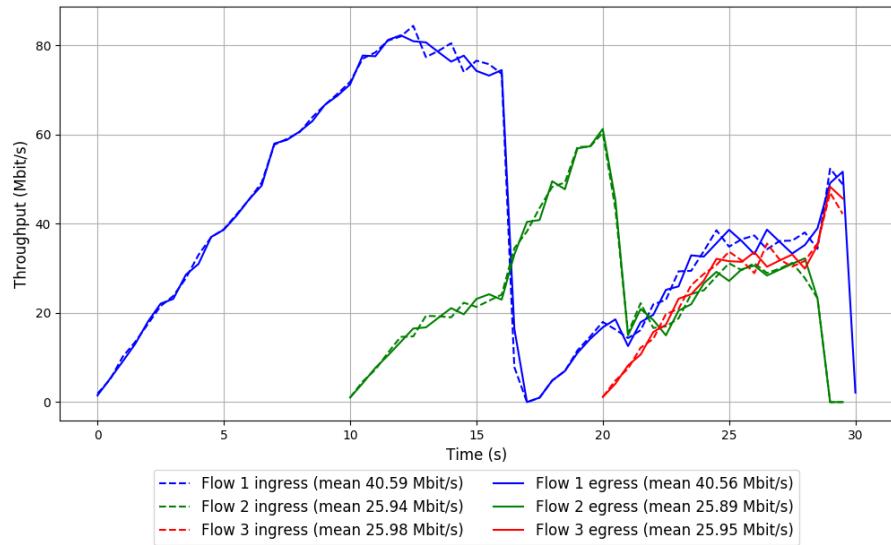


Run 6: Statistics of LEDBAT

```
Start at: 2017-12-12 01:26:32
End at: 2017-12-12 01:27:02
Local clock offset: 0.058 ms
Remote clock offset: -2.838 ms

# Below is generated by plot.py at 2017-12-12 03:39:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 58.095 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 56.068 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 59.238 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 63.504 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

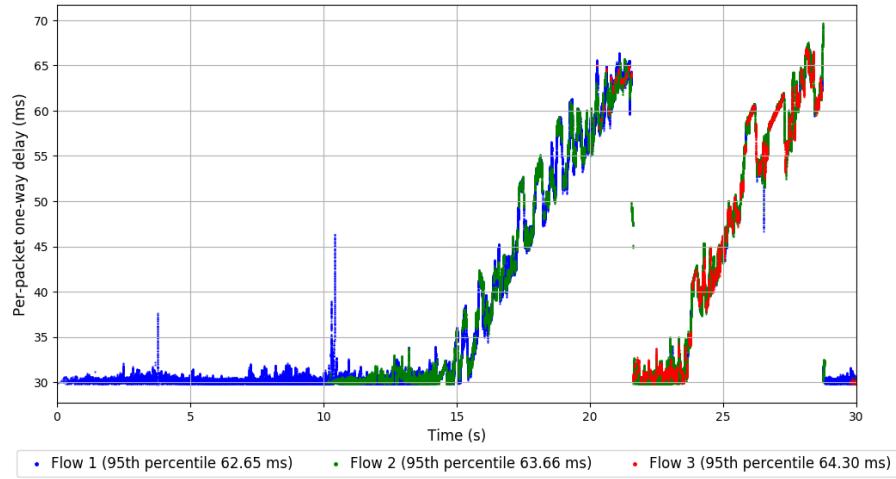
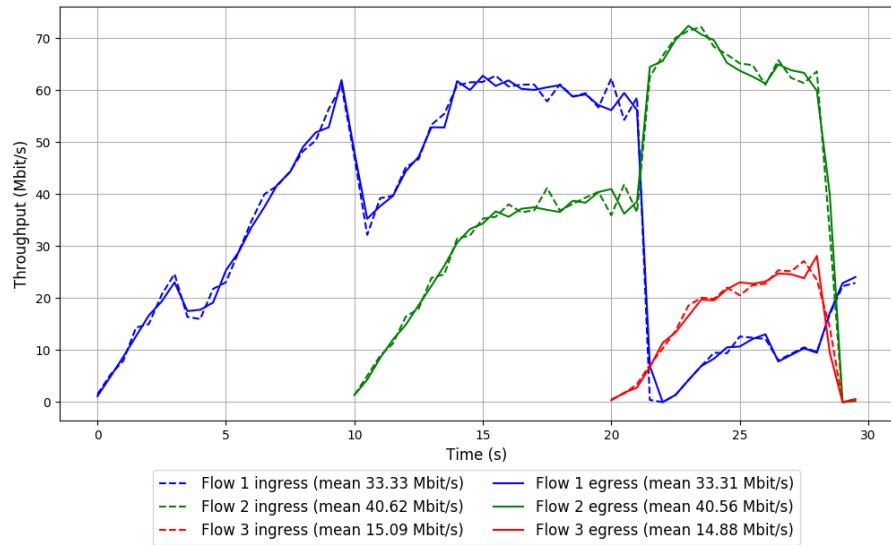


Run 7: Statistics of LEDBAT

```
Start at: 2017-12-12 01:51:44
End at: 2017-12-12 01:52:14
Local clock offset: 0.48 ms
Remote clock offset: -3.718 ms

# Below is generated by plot.py at 2017-12-12 03:39:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 63.378 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 62.651 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 63.660 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 64.303 ms
Loss rate: 1.63%
```

Run 7: Report of LEDBAT — Data Link

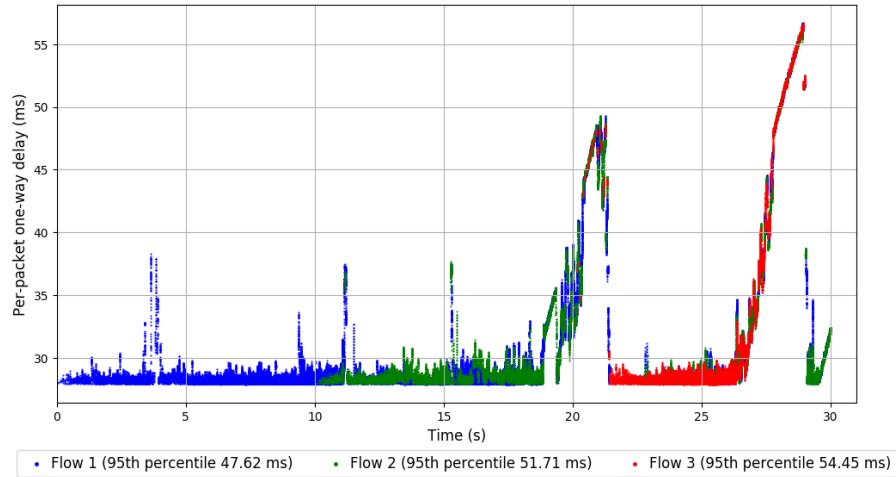
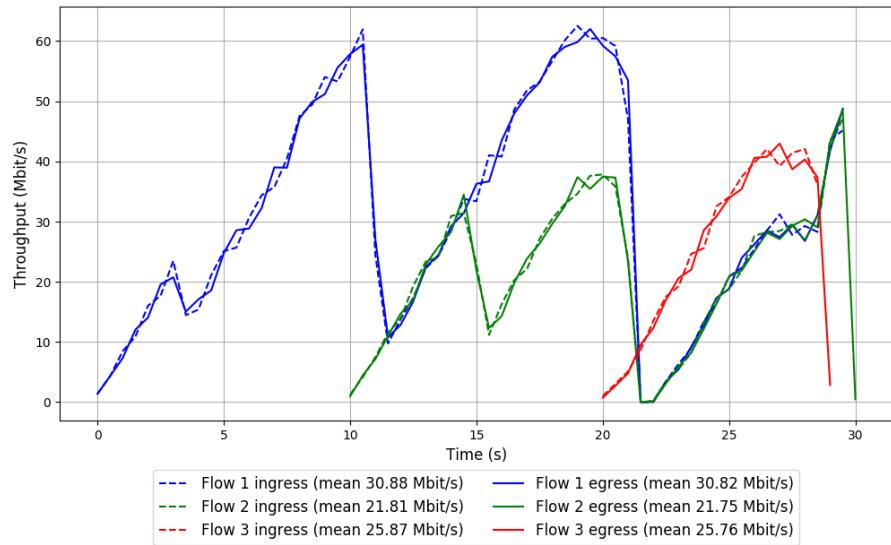


Run 8: Statistics of LEDBAT

```
Start at: 2017-12-12 02:17:05
End at: 2017-12-12 02:17:35
Local clock offset: 0.982 ms
Remote clock offset: -4.89 ms

# Below is generated by plot.py at 2017-12-12 03:39:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 47.617 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 51.714 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 54.451 ms
Loss rate: 0.21%
```

Run 8: Report of LEDBAT — Data Link

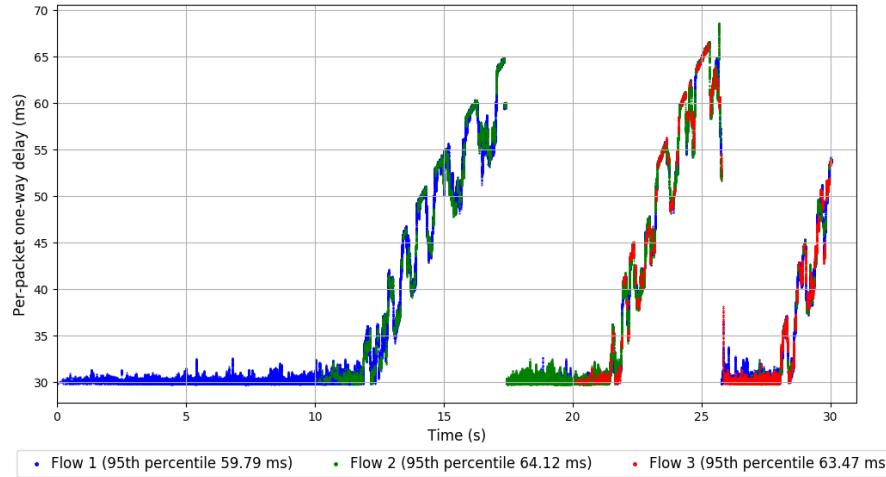
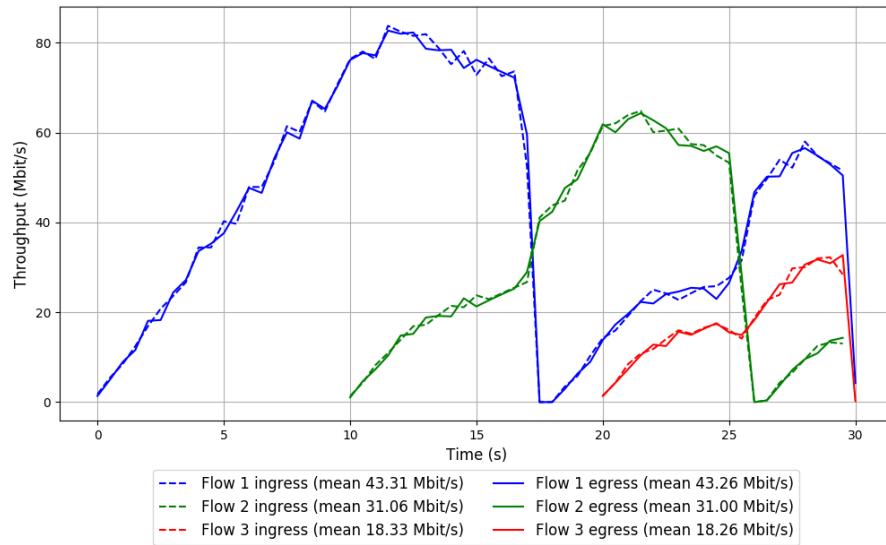


Run 9: Statistics of LEDBAT

```
Start at: 2017-12-12 02:41:21
End at: 2017-12-12 02:41:51
Local clock offset: 1.335 ms
Remote clock offset: -2.327 ms

# Below is generated by plot.py at 2017-12-12 03:39:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 62.178 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 59.786 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 64.124 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.16%
```

Run 9: Report of LEDBAT — Data Link

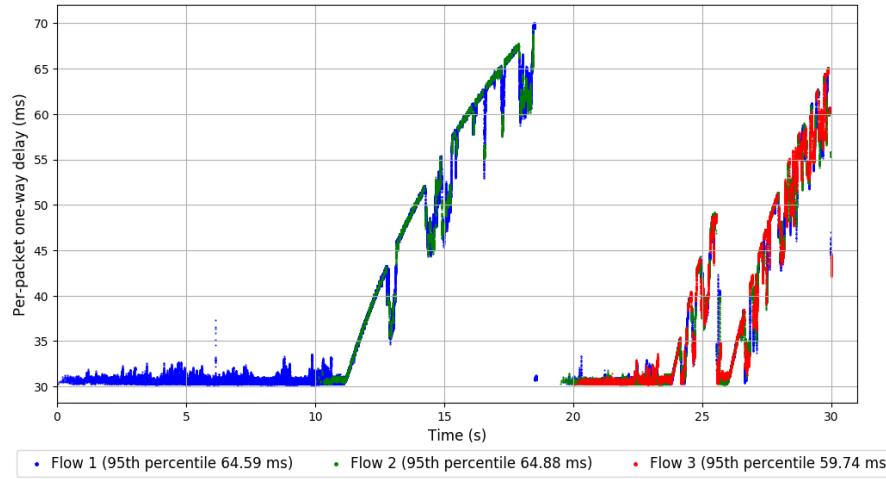
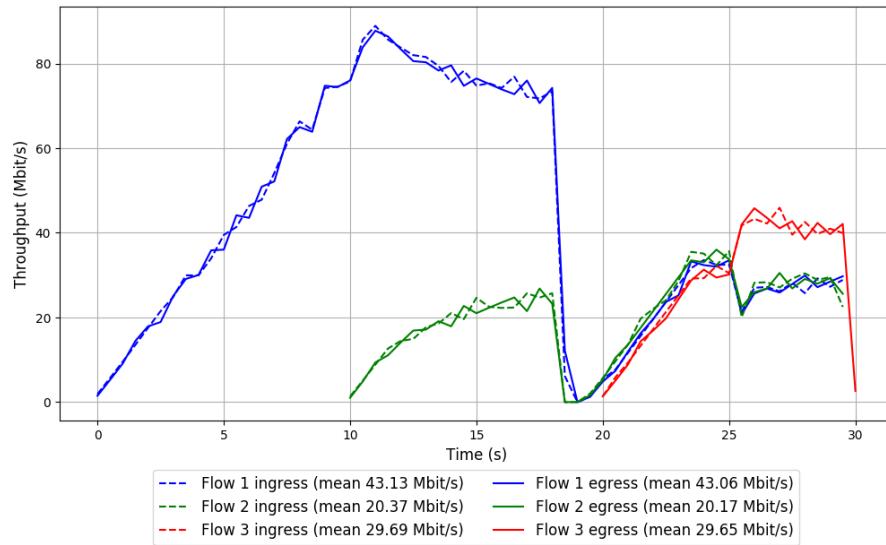


Run 10: Statistics of LEDBAT

```
Start at: 2017-12-12 03:06:26
End at: 2017-12-12 03:06:56
Local clock offset: 1.483 ms
Remote clock offset: -1.687 ms

# Below is generated by plot.py at 2017-12-12 03:39:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 64.352 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 64.595 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 64.875 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 59.740 ms
Loss rate: 0.01%
```

Run 10: Report of LEDBAT — Data Link

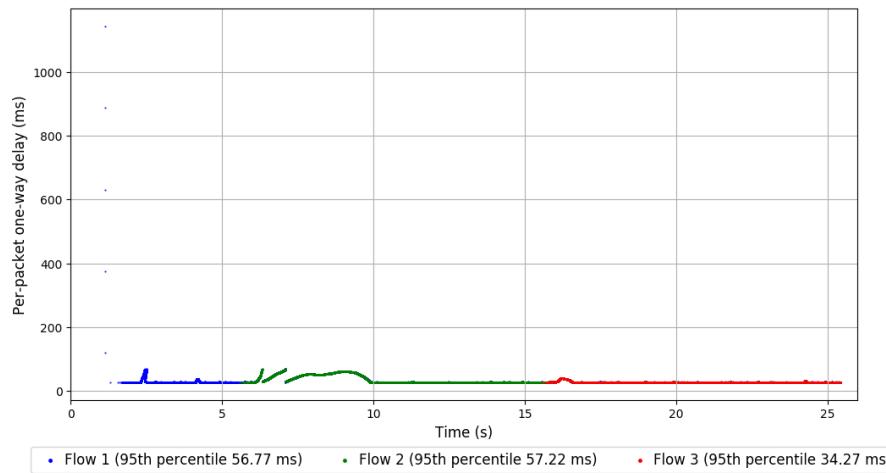
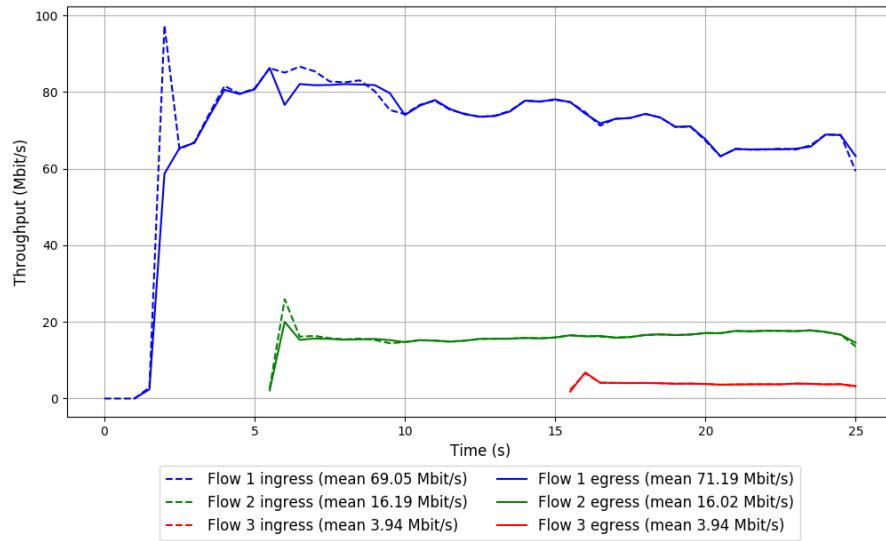


Run 1: Statistics of PCC

```
Start at: 2017-12-11 23:37:19
End at: 2017-12-11 23:37:49
Local clock offset: -0.283 ms
Remote clock offset: 0.339 ms

# Below is generated by plot.py at 2017-12-12 03:39:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 56.619 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 71.19 Mbit/s
95th percentile per-packet one-way delay: 56.772 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 57.218 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 34.266 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

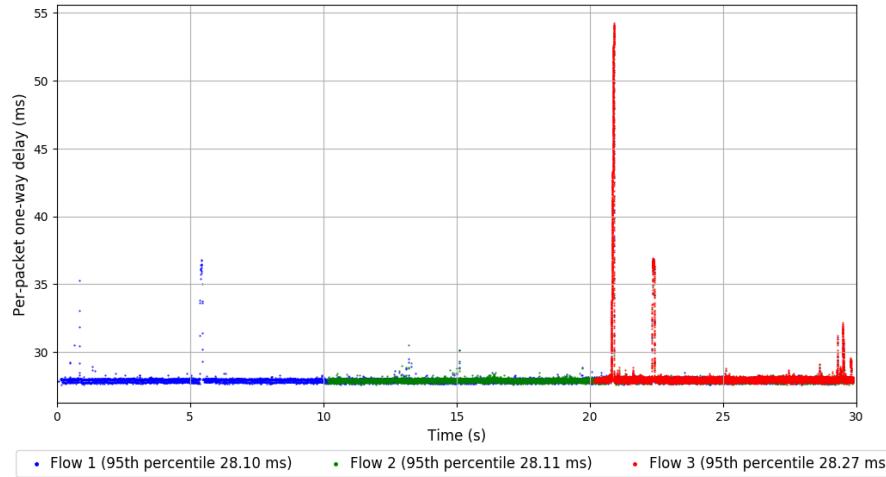
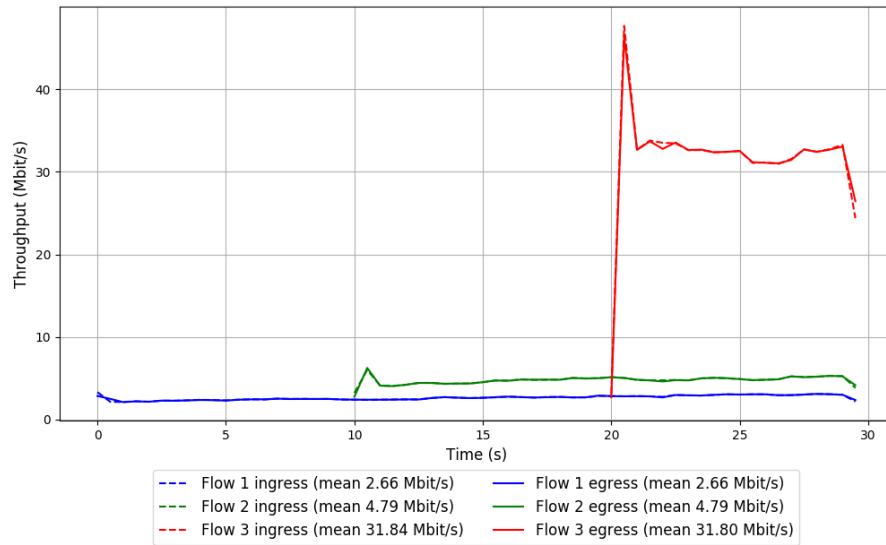


Run 2: Statistics of PCC

```
Start at: 2017-12-12 00:00:23
End at: 2017-12-12 00:00:53
Local clock offset: -0.204 ms
Remote clock offset: 0.297 ms

# Below is generated by plot.py at 2017-12-12 03:39:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 28.151 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 28.102 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 28.110 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 28.270 ms
Loss rate: 0.11%
```

Run 2: Report of PCC — Data Link

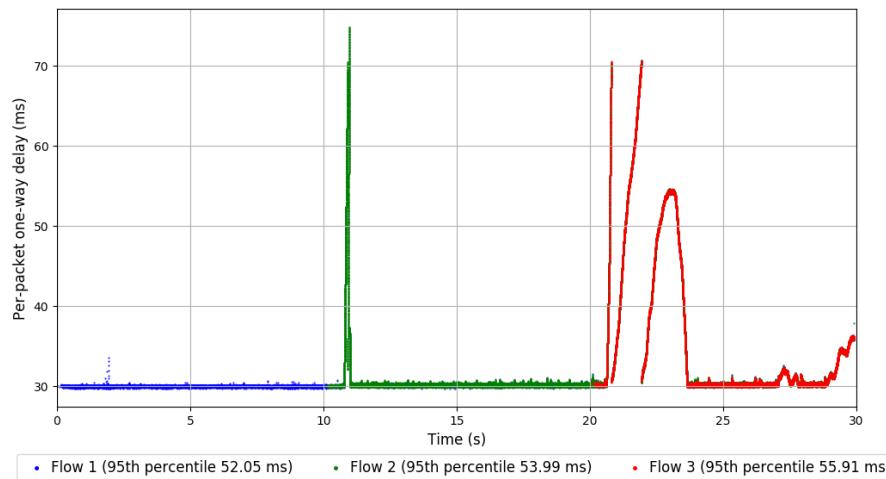
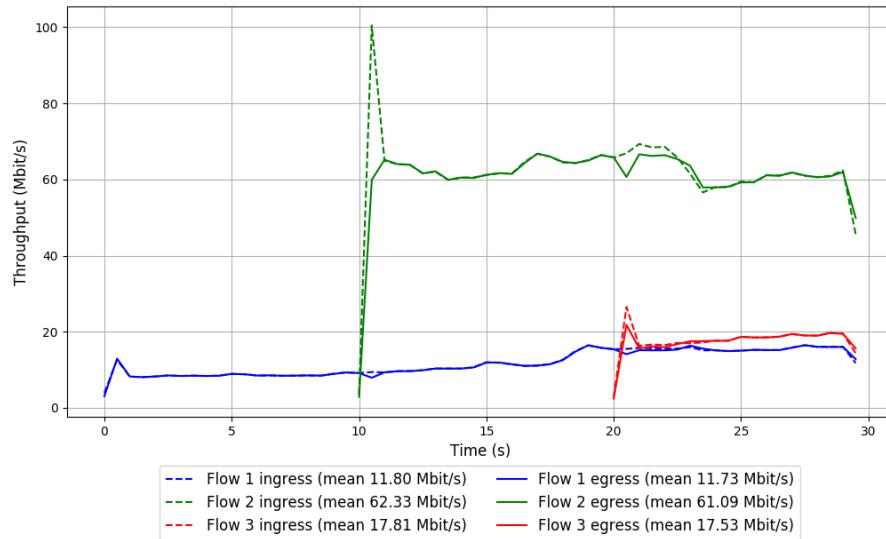


Run 3: Statistics of PCC

```
Start at: 2017-12-12 00:22:46
End at: 2017-12-12 00:23:16
Local clock offset: -0.678 ms
Remote clock offset: 1.584 ms

# Below is generated by plot.py at 2017-12-12 03:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 54.033 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 52.052 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 53.986 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 55.907 ms
Loss rate: 1.52%
```

Run 3: Report of PCC — Data Link

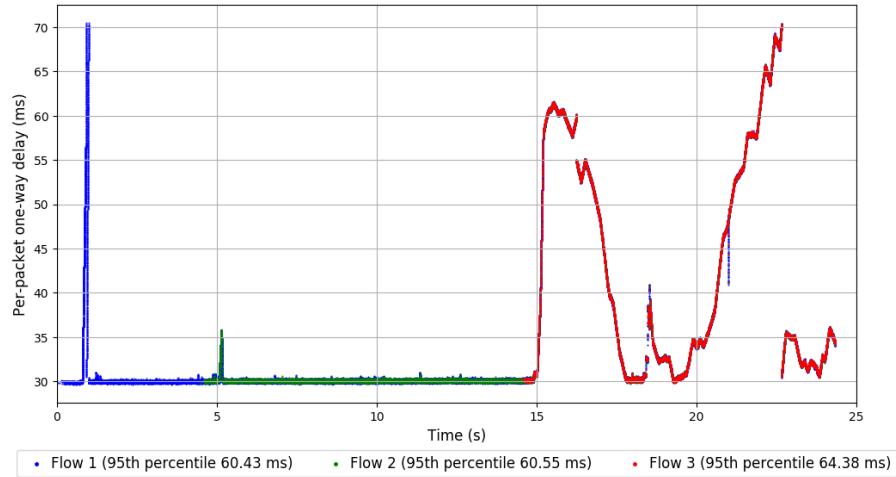
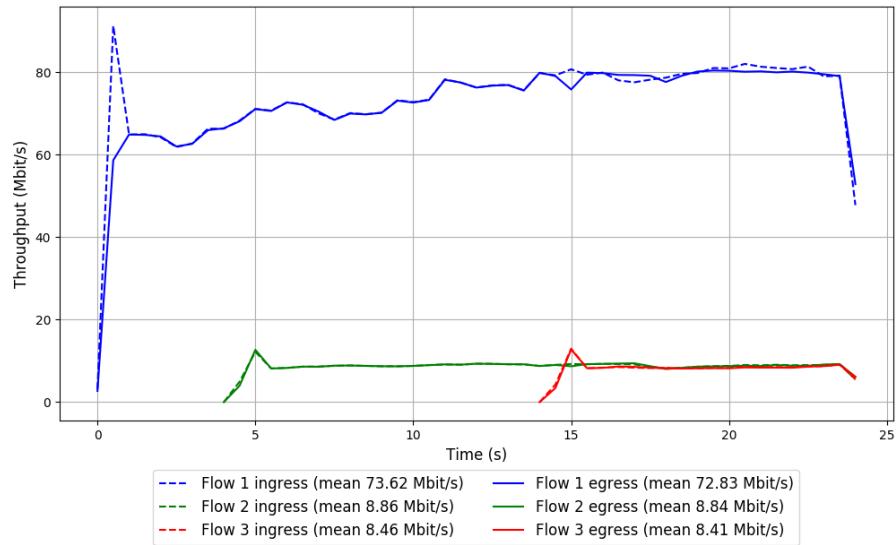


Run 4: Statistics of PCC

```
Start at: 2017-12-12 00:45:34
End at: 2017-12-12 00:46:04
Local clock offset: -0.634 ms
Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2017-12-12 03:40:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 60.523 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 60.426 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 60.551 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 64.379 ms
Loss rate: 0.57%
```

Run 4: Report of PCC — Data Link

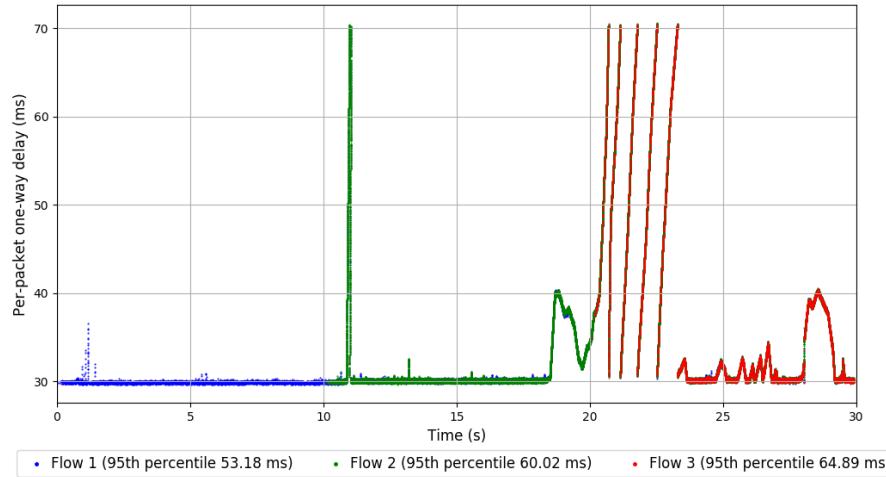
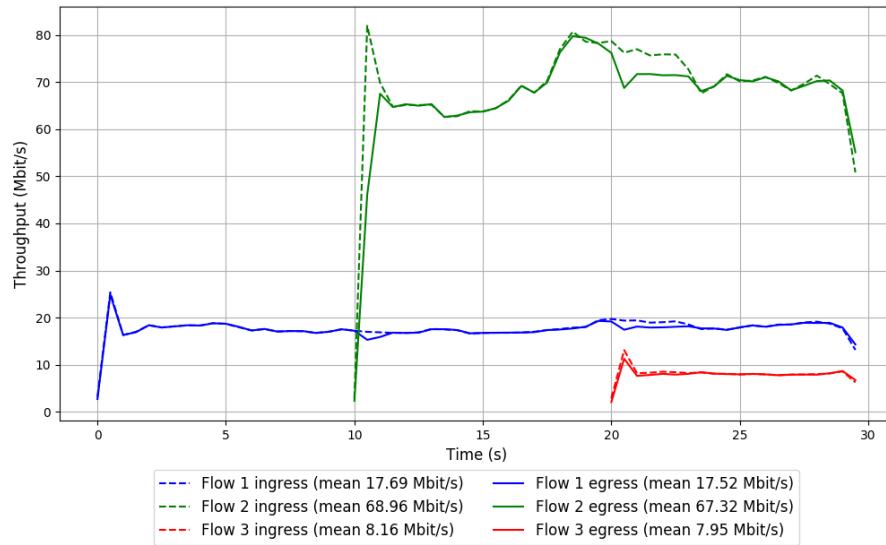


Run 5: Statistics of PCC

```
Start at: 2017-12-12 01:09:13
End at: 2017-12-12 01:09:43
Local clock offset: -0.176 ms
Remote clock offset: -2.191 ms

# Below is generated by plot.py at 2017-12-12 03:40:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 59.196 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 53.183 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 60.018 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 64.894 ms
Loss rate: 2.67%
```

Run 5: Report of PCC — Data Link

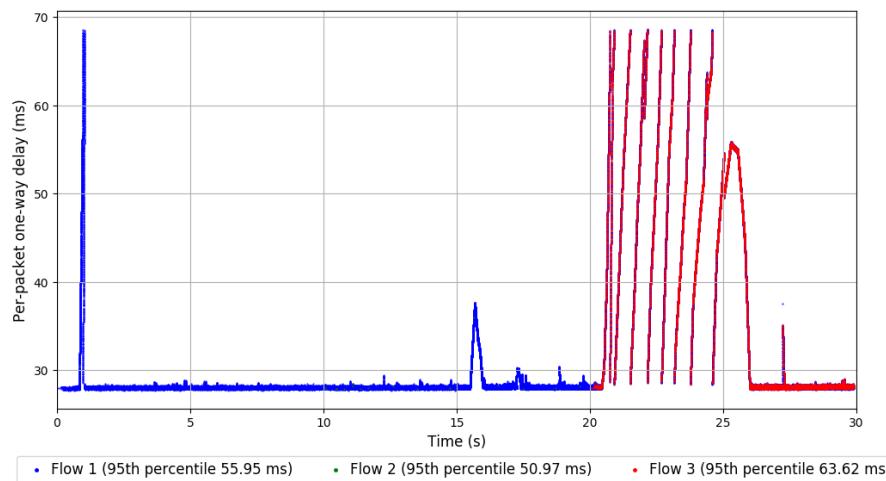
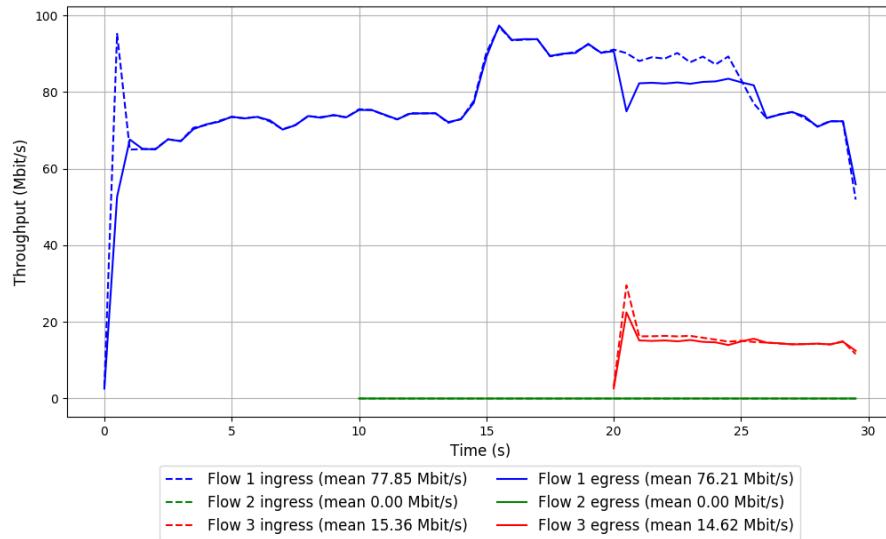


Run 6: Statistics of PCC

```
Start at: 2017-12-12 01:33:59
End at: 2017-12-12 01:34:29
Local clock offset: 0.047 ms
Remote clock offset: -5.788 ms

# Below is generated by plot.py at 2017-12-12 03:40:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 57.444 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 55.947 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.970 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 63.622 ms
Loss rate: 4.84%
```

Run 6: Report of PCC — Data Link

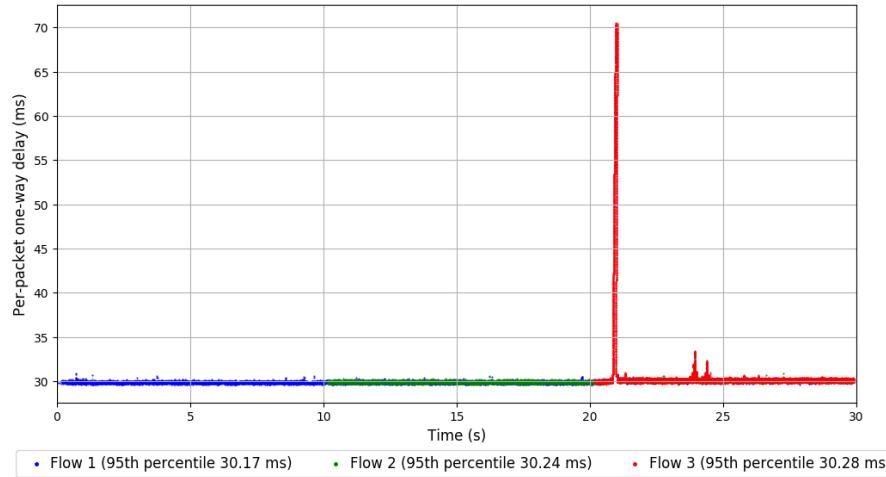
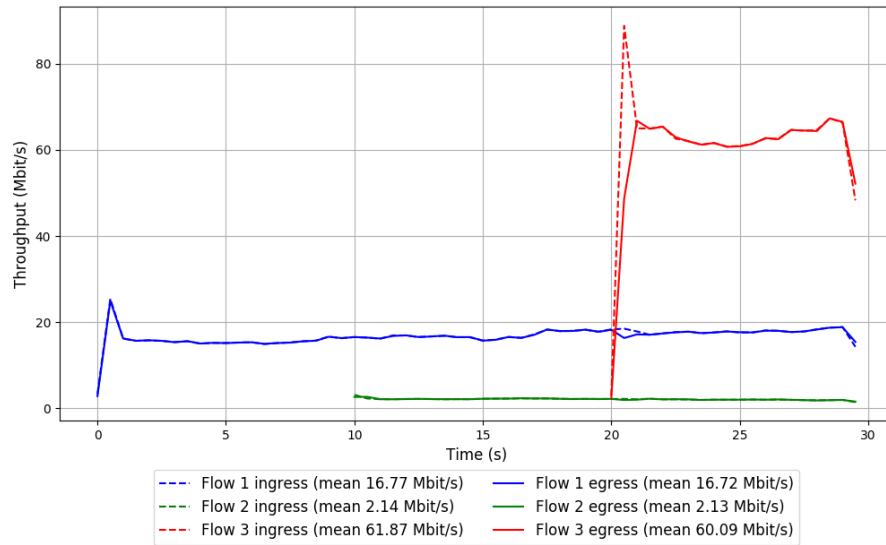


Run 7: Statistics of PCC

```
Start at: 2017-12-12 01:59:05
End at: 2017-12-12 01:59:35
Local clock offset: 0.676 ms
Remote clock offset: -3.542 ms

# Below is generated by plot.py at 2017-12-12 03:40:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 30.235 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 30.168 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 30.242 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 30.281 ms
Loss rate: 2.87%
```

Run 7: Report of PCC — Data Link

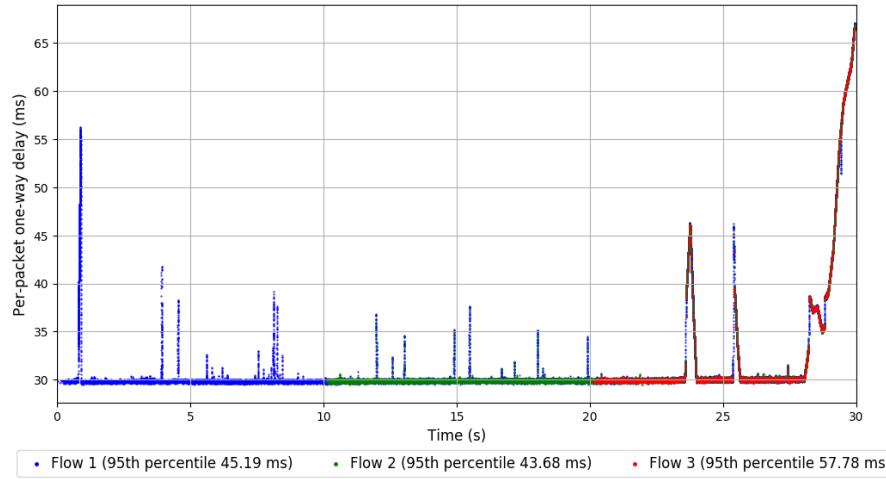
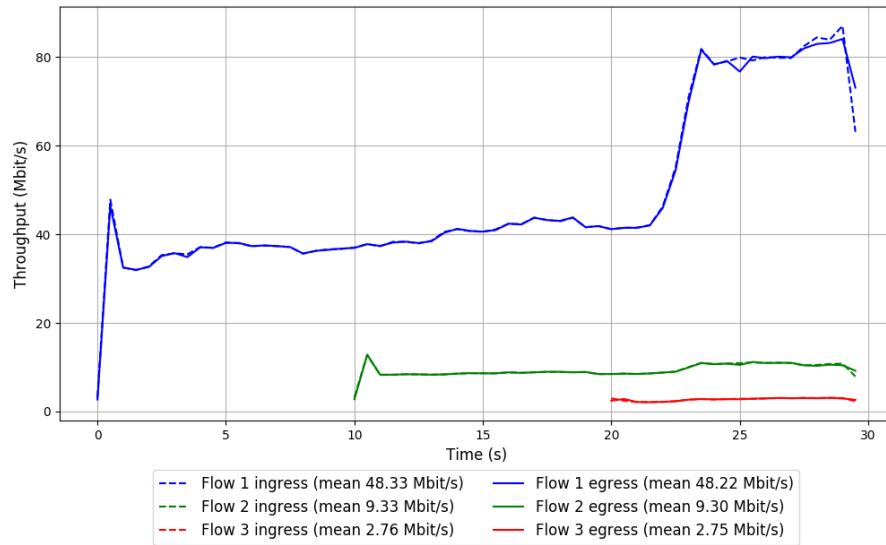


Run 8: Statistics of PCC

```
Start at: 2017-12-12 02:24:22
End at: 2017-12-12 02:24:52
Local clock offset: 1.119 ms
Remote clock offset: -2.746 ms

# Below is generated by plot.py at 2017-12-12 03:40:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 45.247 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 45.194 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 43.679 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 57.776 ms
Loss rate: 0.27%
```

Run 8: Report of PCC — Data Link

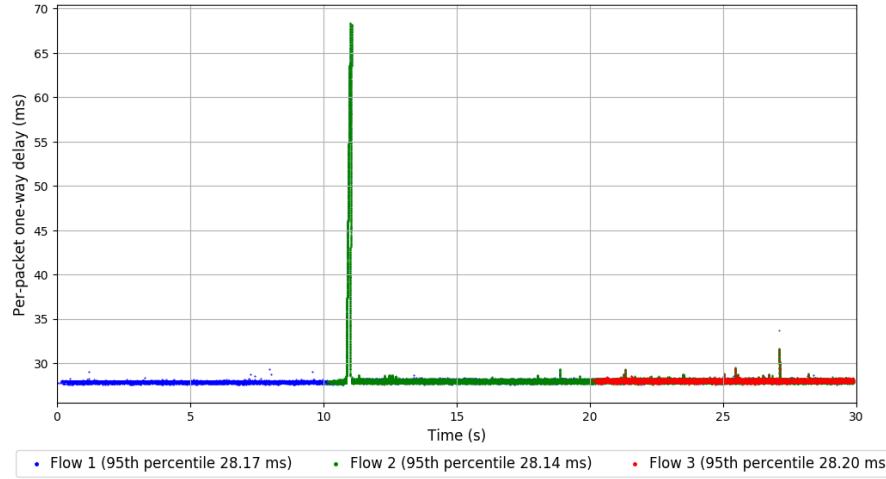
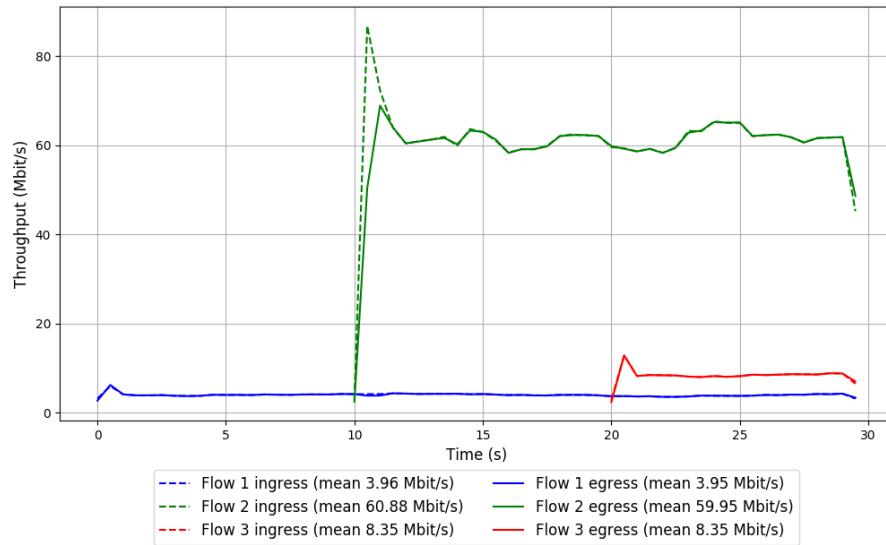


Run 9: Statistics of PCC

```
Start at: 2017-12-12 02:48:50
End at: 2017-12-12 02:49:20
Local clock offset: 1.313 ms
Remote clock offset: -4.406 ms

# Below is generated by plot.py at 2017-12-12 03:40:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 28.151 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 28.174 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 28.138 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 28.199 ms
Loss rate: 0.00%
```

Run 9: Report of PCC — Data Link

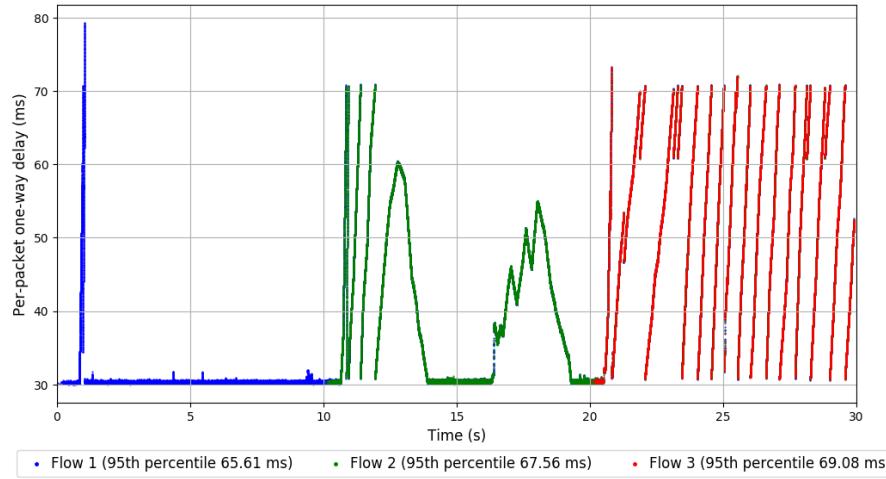
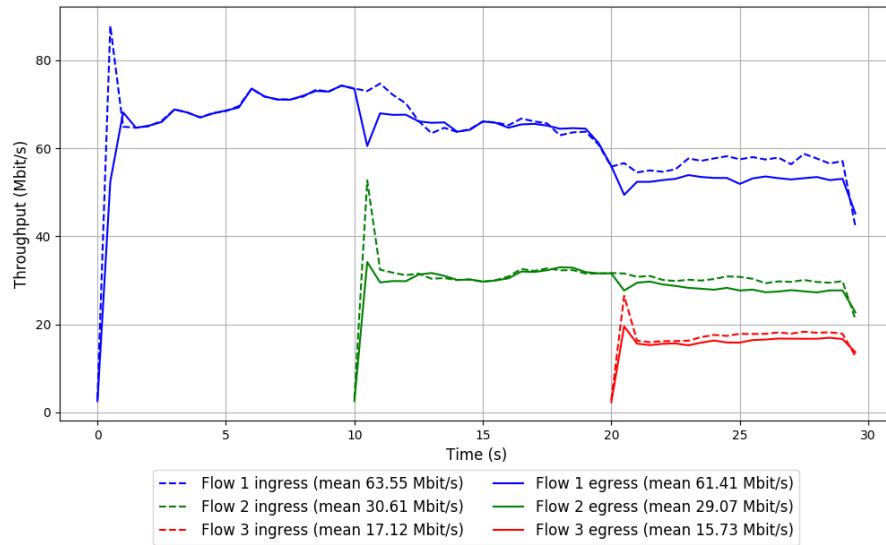


Run 10: Statistics of PCC

```
Start at: 2017-12-12 03:13:11
End at: 2017-12-12 03:13:41
Local clock offset: 1.487 ms
Remote clock offset: -1.681 ms

# Below is generated by plot.py at 2017-12-12 03:41:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 66.676 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 65.609 ms
Loss rate: 3.30%
-- Flow 2:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 67.560 ms
Loss rate: 4.94%
-- Flow 3:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 69.081 ms
Loss rate: 7.91%
```

Run 10: Report of PCC — Data Link

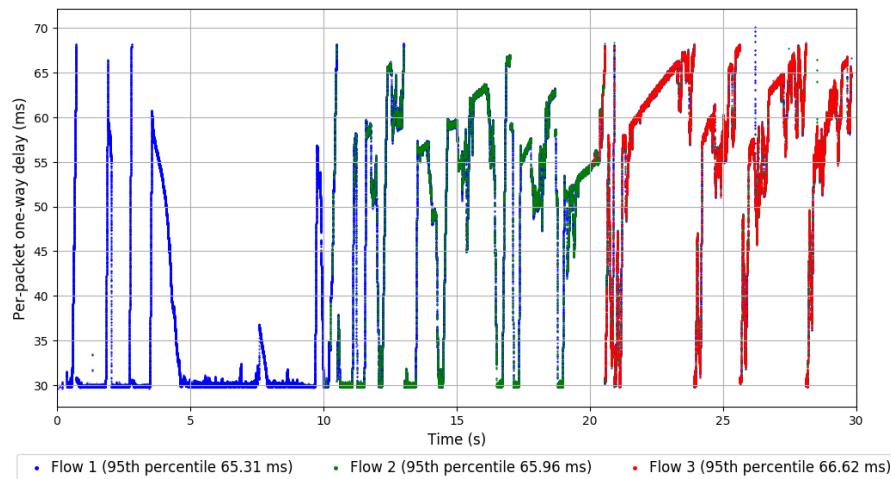
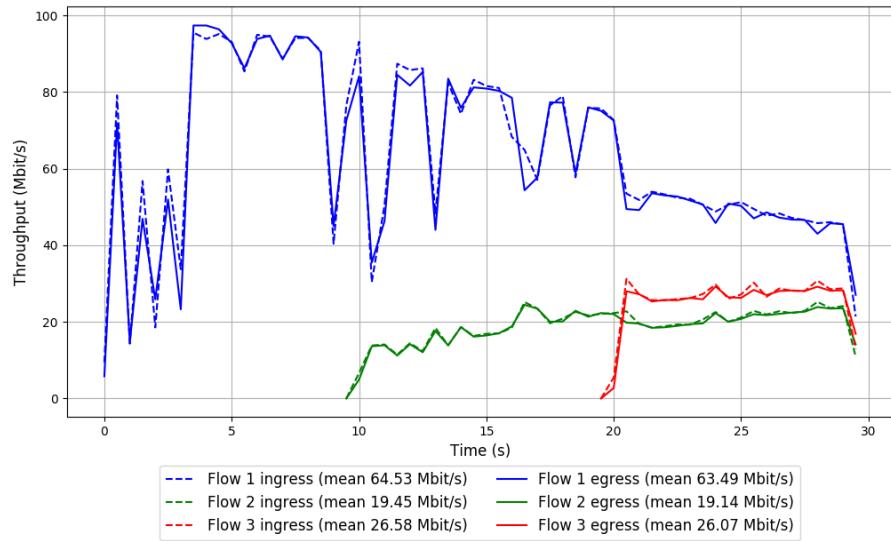


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2017-12-11 23:38:52
End at: 2017-12-11 23:39:22
Local clock offset: -0.283 ms
Remote clock offset: 2.402 ms

# Below is generated by plot.py at 2017-12-12 03:41:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 65.672 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 65.305 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 65.963 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 66.622 ms
Loss rate: 1.81%
```

Run 1: Report of QUIC Cubic — Data Link

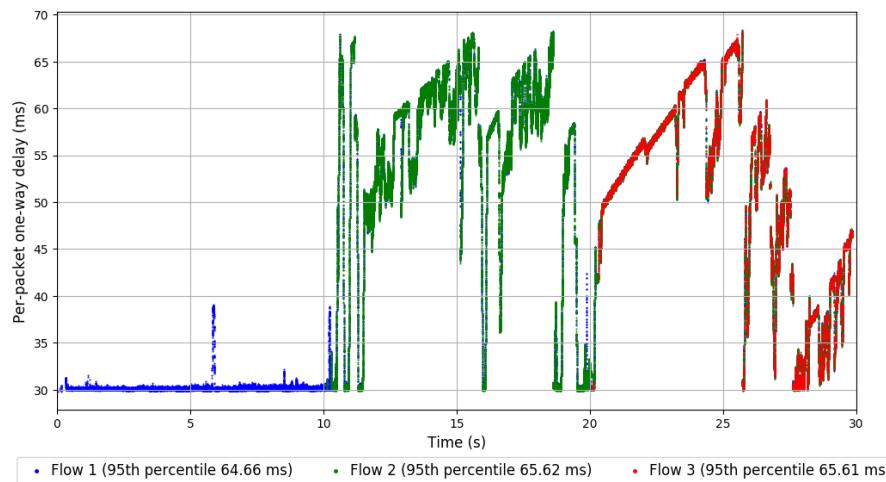
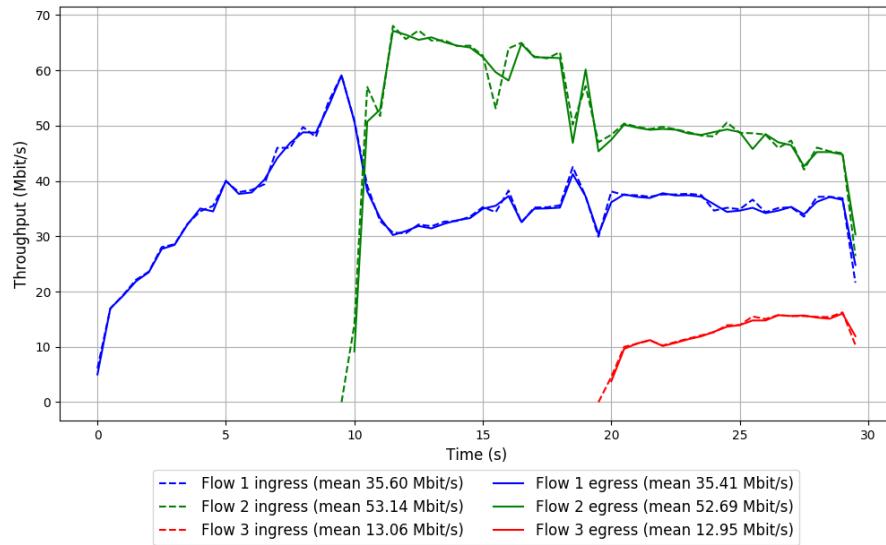


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-12-12 00:01:45
End at: 2017-12-12 00:02:15
Local clock offset: -0.202 ms
Remote clock offset: 2.377 ms

# Below is generated by plot.py at 2017-12-12 03:41:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.74 Mbit/s
95th percentile per-packet one-way delay: 65.213 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 64.660 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 65.624 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 65.607 ms
Loss rate: 0.67%
```

Run 2: Report of QUIC Cubic — Data Link

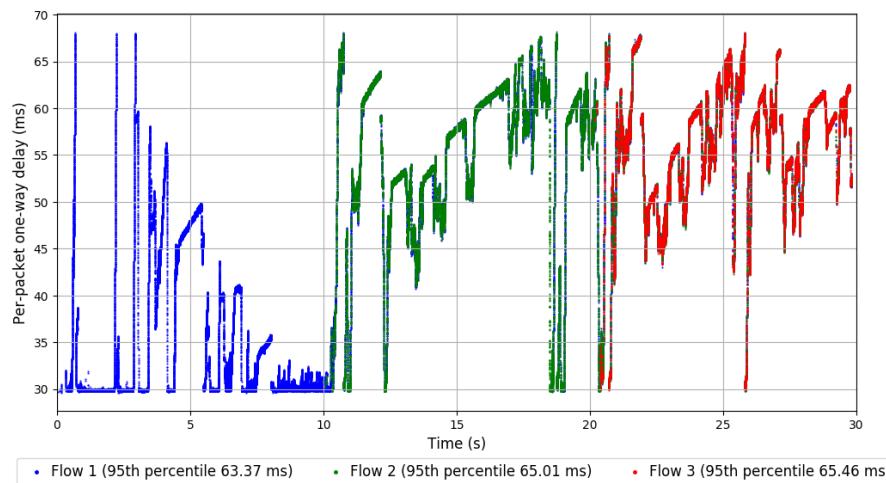
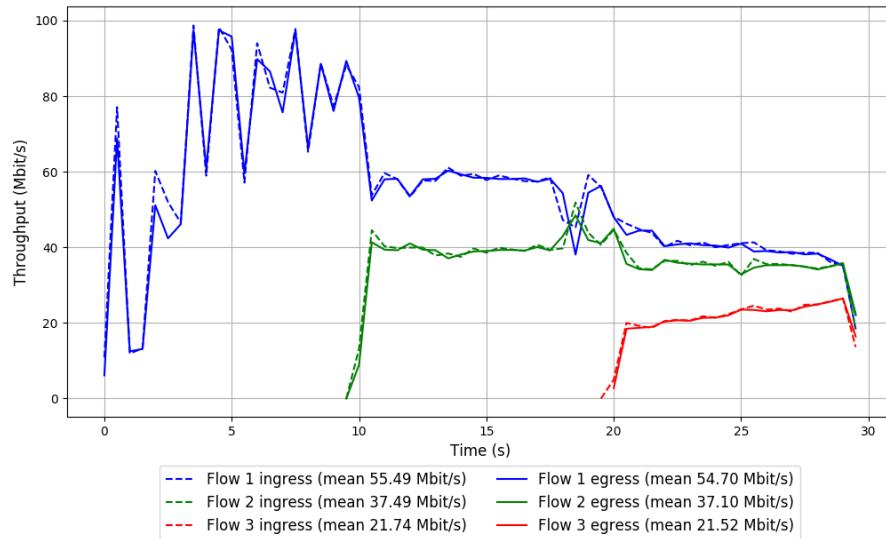


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-12-12 00:24:19
End at: 2017-12-12 00:24:49
Local clock offset: -0.63 ms
Remote clock offset: 1.418 ms

# Below is generated by plot.py at 2017-12-12 03:41:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 64.090 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 63.365 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 65.006 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 65.462 ms
Loss rate: 1.06%
```

Run 3: Report of QUIC Cubic — Data Link

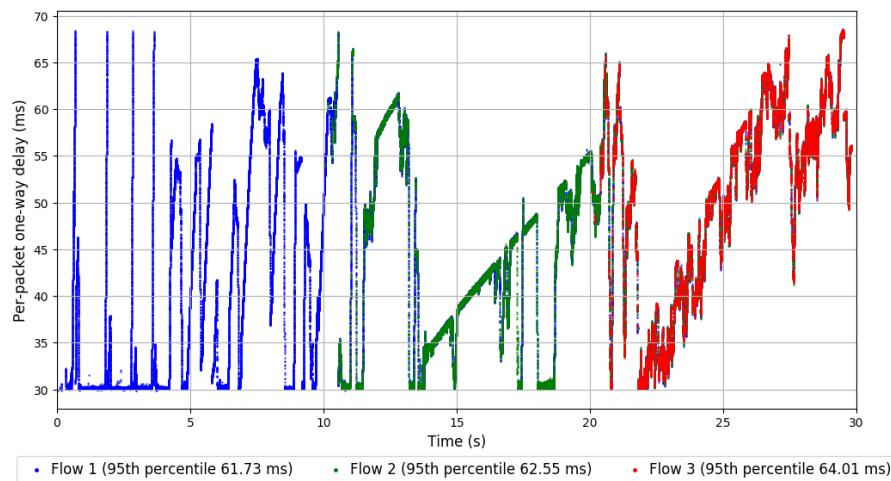
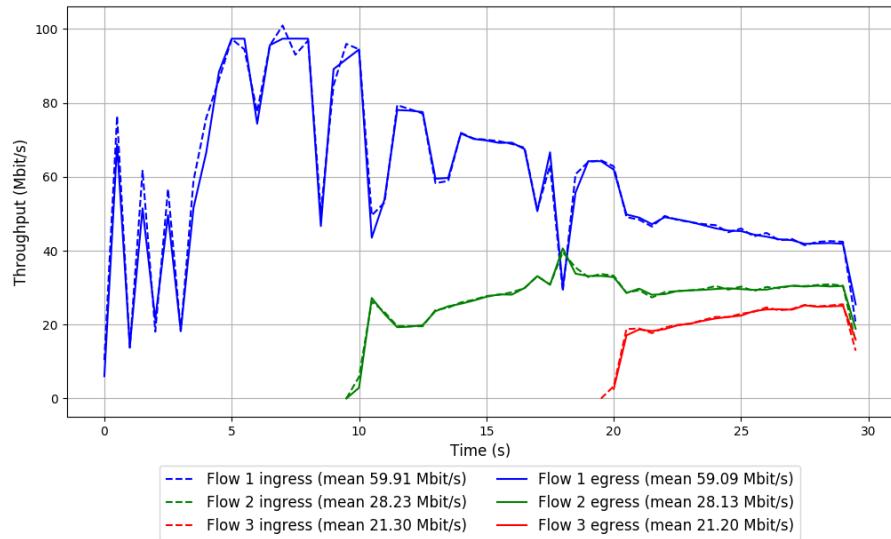


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-12-12 00:47:00
End at: 2017-12-12 00:47:30
Local clock offset: -0.631 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2017-12-12 03:42:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 62.264 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 61.729 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 62.553 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 64.012 ms
Loss rate: 0.45%
```

Run 4: Report of QUIC Cubic — Data Link

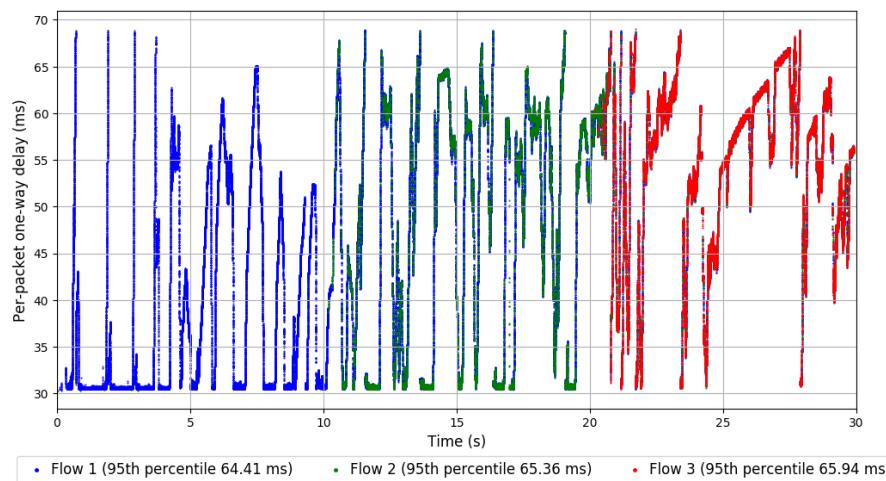
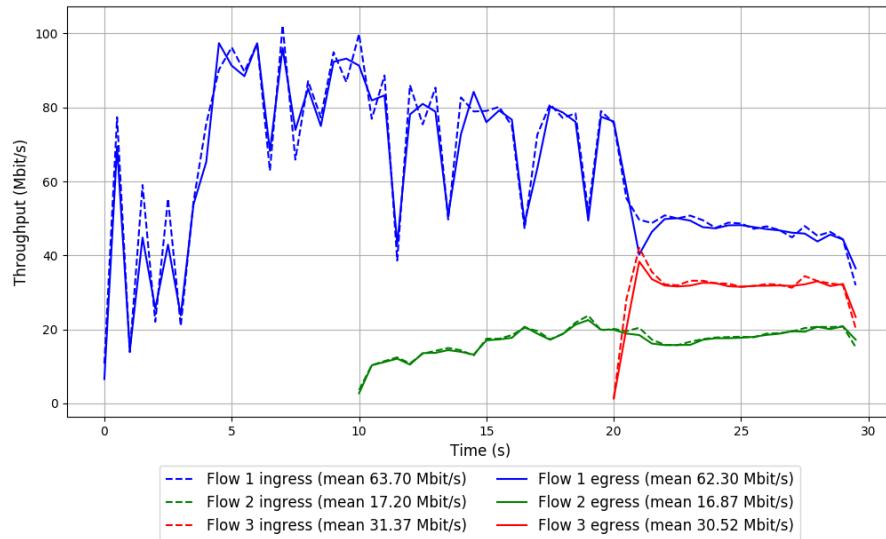


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-12-12 01:10:51
End at: 2017-12-12 01:11:21
Local clock offset: -0.247 ms
Remote clock offset: -1.752 ms

# Below is generated by plot.py at 2017-12-12 03:42:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 64.730 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 64.410 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 65.361 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 65.943 ms
Loss rate: 2.69%
```

Run 5: Report of QUIC Cubic — Data Link

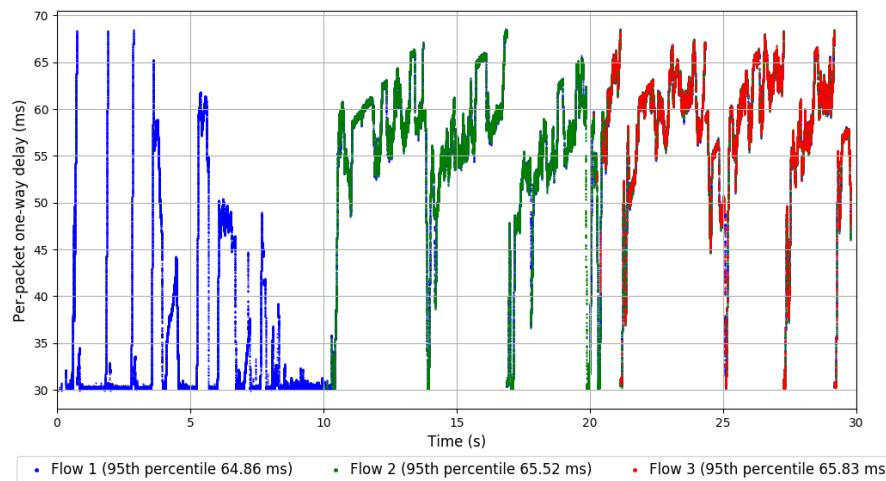
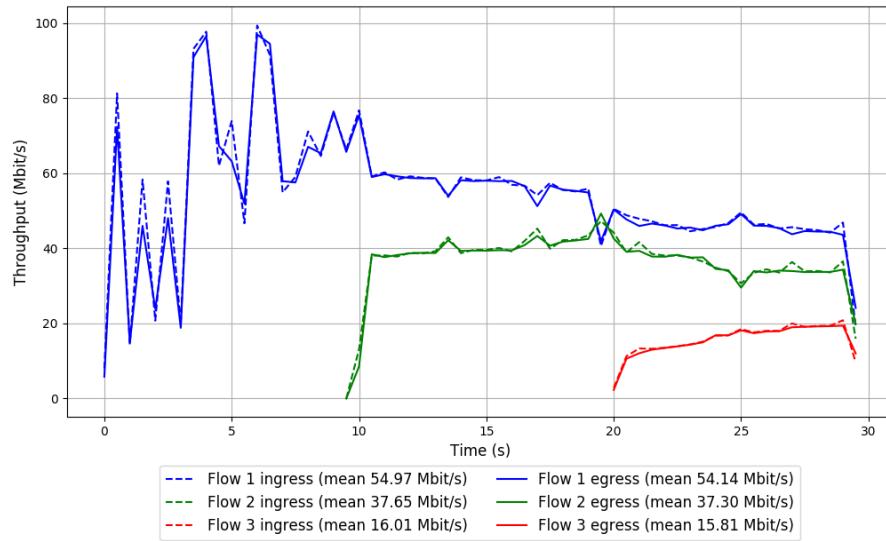


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-12-12 01:35:47
End at: 2017-12-12 01:36:17
Local clock offset: 0.079 ms
Remote clock offset: -3.644 ms

# Below is generated by plot.py at 2017-12-12 03:42:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 65.249 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 64.856 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 65.517 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 65.827 ms
Loss rate: 1.31%
```

Run 6: Report of QUIC Cubic — Data Link

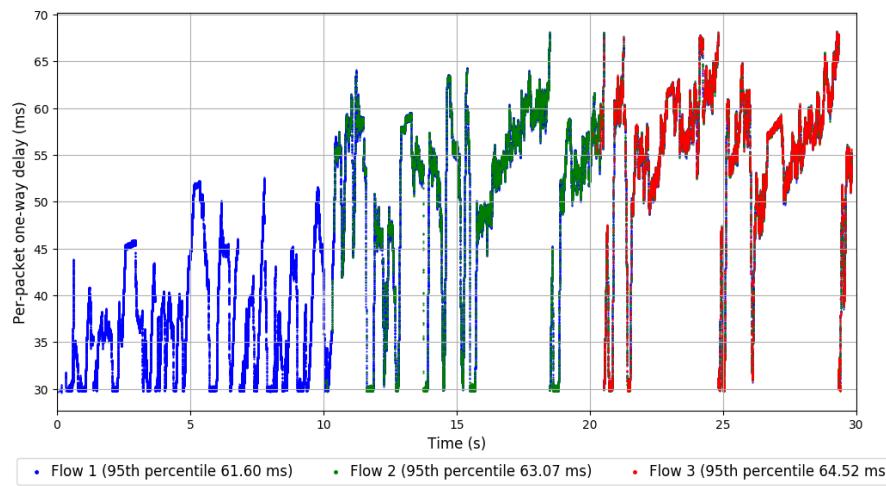
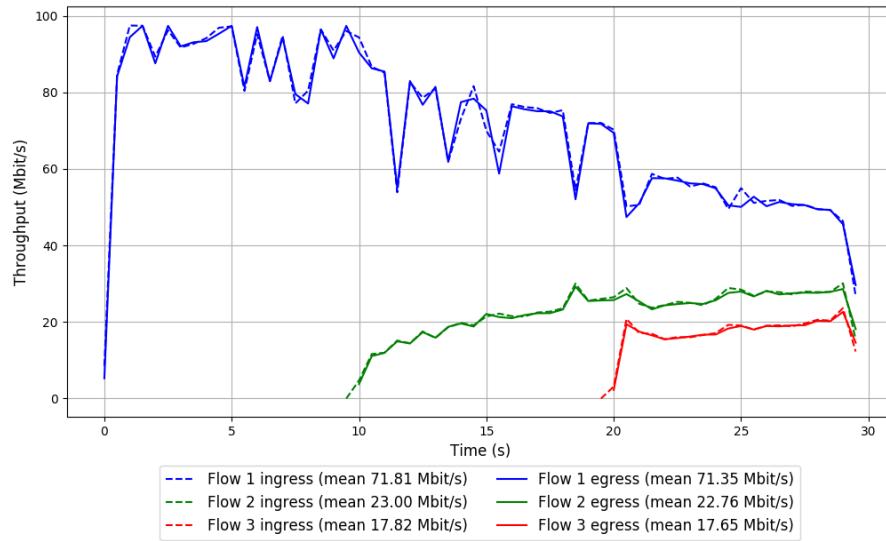


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-12-12 02:00:44
End at: 2017-12-12 02:01:14
Local clock offset: 0.705 ms
Remote clock offset: -3.593 ms

# Below is generated by plot.py at 2017-12-12 03:42:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 62.045 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 61.605 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 63.067 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 64.520 ms
Loss rate: 0.99%
```

Run 7: Report of QUIC Cubic — Data Link

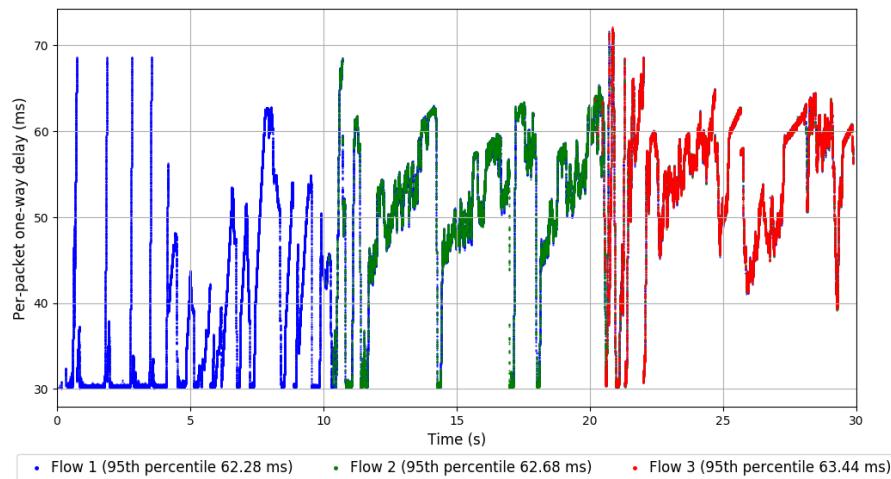
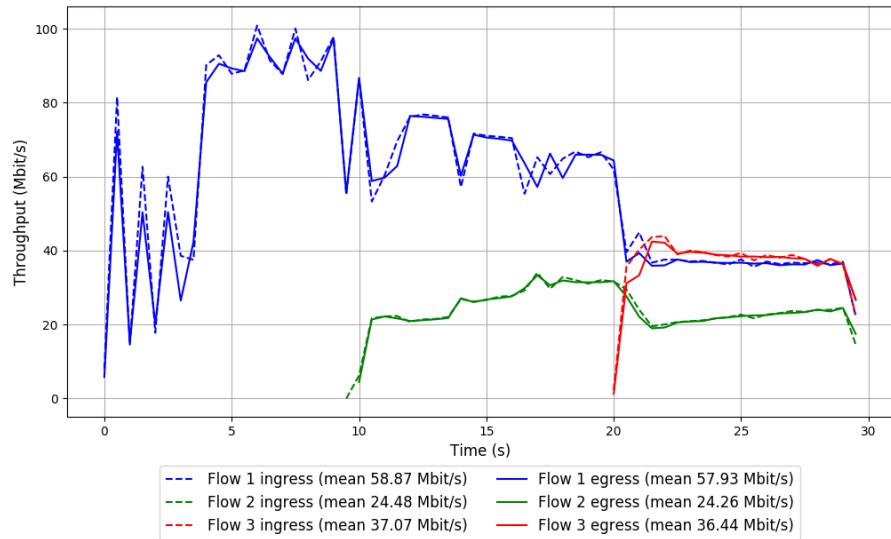


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-12-12 02:25:57
End at: 2017-12-12 02:26:27
Local clock offset: 1.146 ms
Remote clock offset: -2.197 ms

# Below is generated by plot.py at 2017-12-12 03:43:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 62.433 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 62.280 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 62.682 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 63.442 ms
Loss rate: 1.71%
```

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

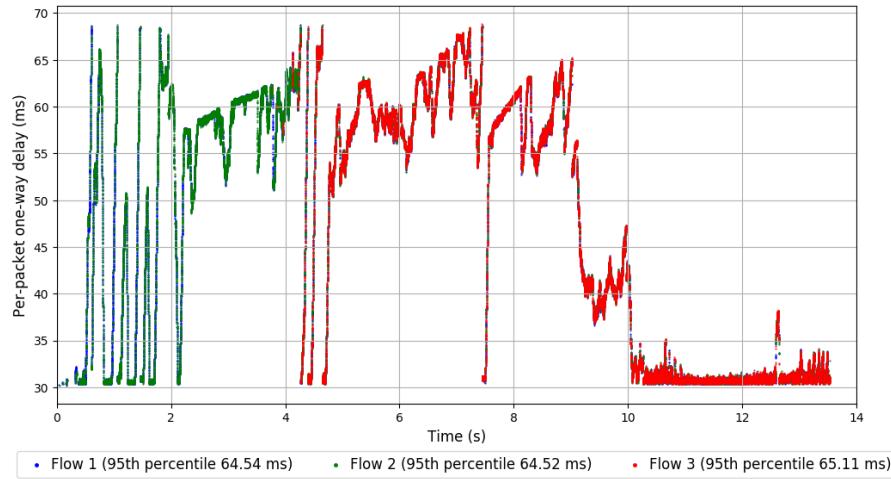
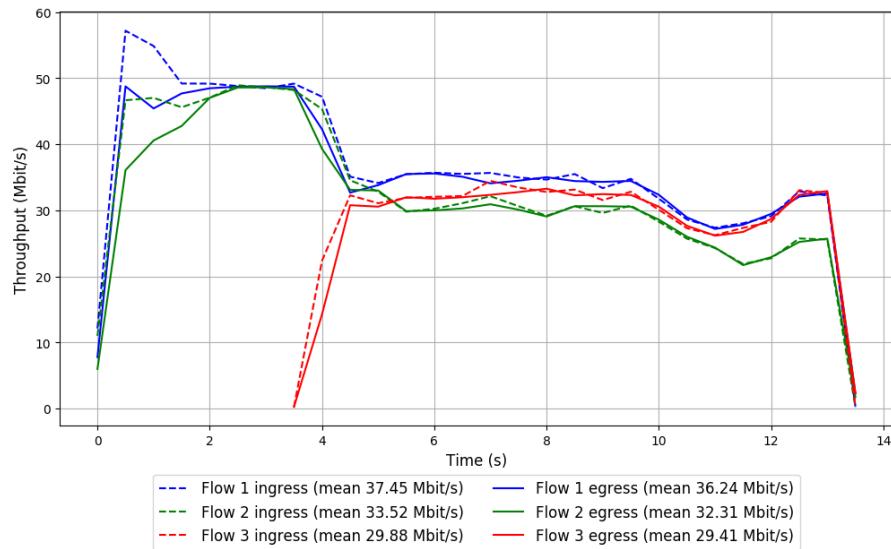
Start at: 2017-12-12 02:50:28

End at: 2017-12-12 02:50:58

Local clock offset: 1.291 ms

Remote clock offset: -1.862 ms

Run 9: Report of QUIC Cubic — Data Link

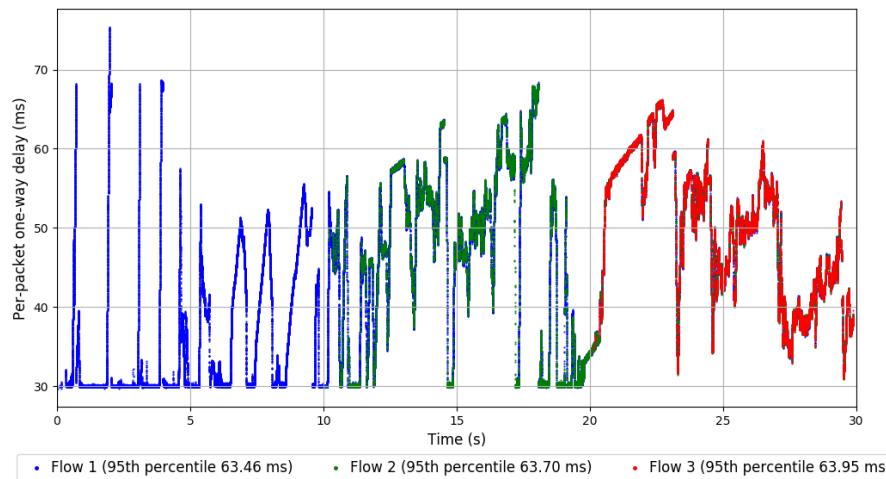
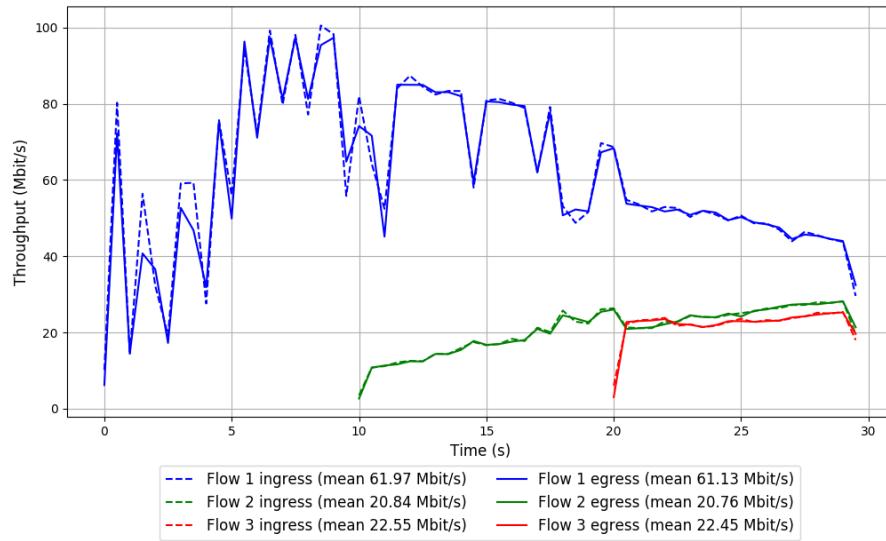


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-12-12 03:14:56
End at: 2017-12-12 03:15:26
Local clock offset: 1.369 ms
Remote clock offset: -2.071 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 63.546 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 63.460 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 20.76 Mbit/s
95th percentile per-packet one-way delay: 63.698 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.38%
```

Run 10: Report of QUIC Cubic — Data Link

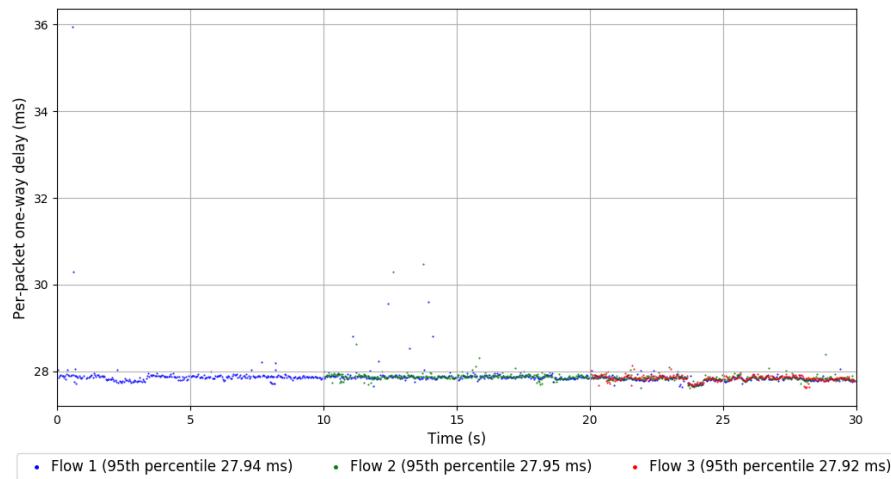
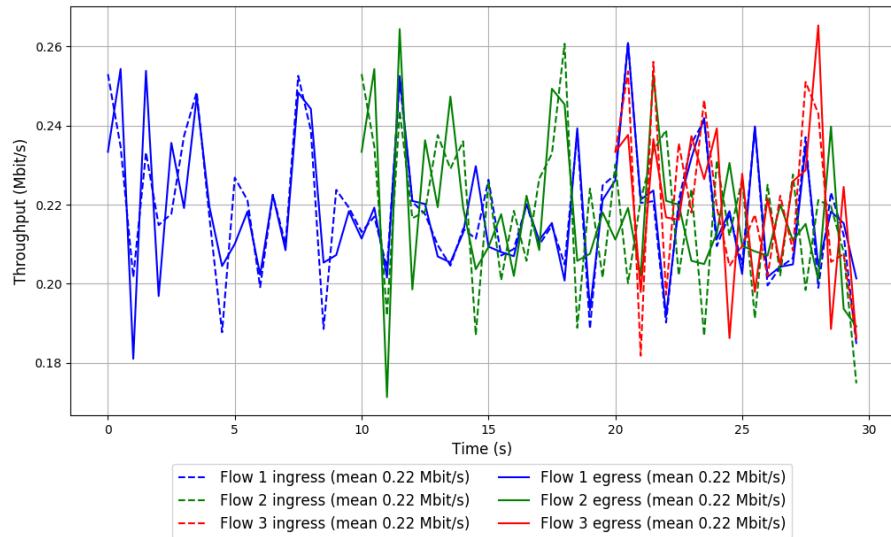


```
Run 1: Statistics of SCReAM
```

```
Start at: 2017-12-11 23:25:05
End at: 2017-12-11 23:25:35
Local clock offset: -0.357 ms
Remote clock offset: 0.171 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 27.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.947 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.920 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

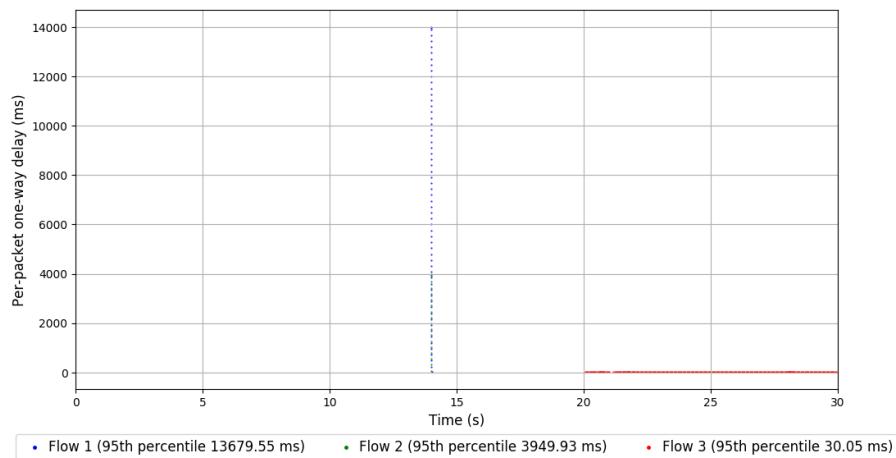
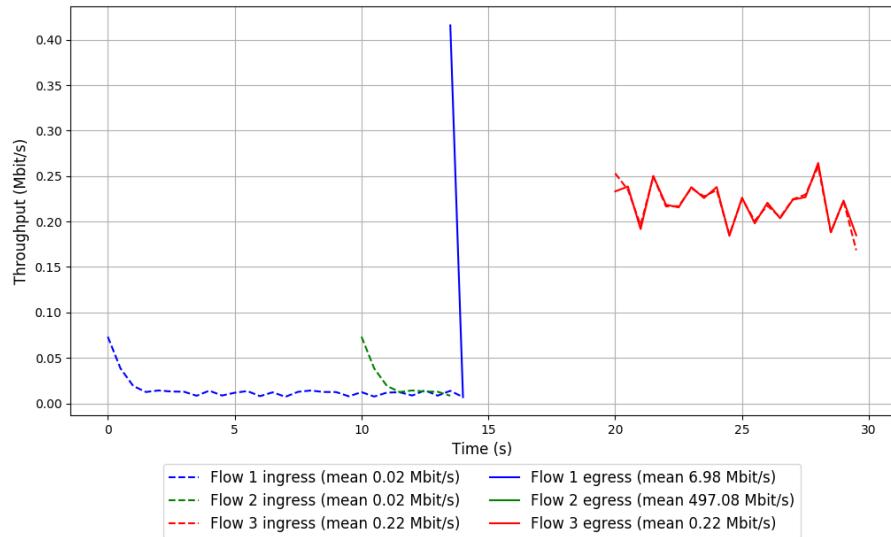
Start at: 2017-12-11 23:47:10

End at: 2017-12-11 23:47:40

Local clock offset: -0.063 ms

Remote clock offset: 2.665 ms

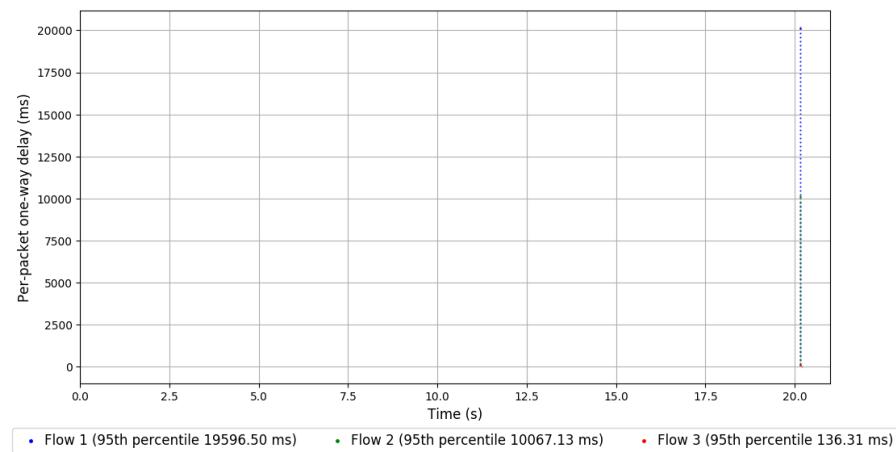
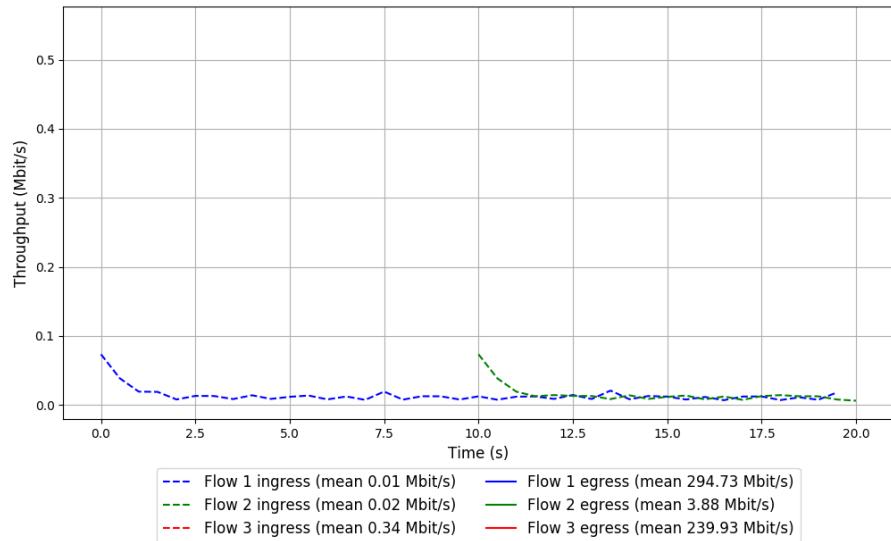
Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-12-12 00:09:50
End at: 2017-12-12 00:10:20
Local clock offset: -0.412 ms
Remote clock offset: 2.004 ms

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-12-12 00:32:13
End at: 2017-12-12 00:32:43
Local clock offset: -0.731 ms
Remote clock offset: -1.014 ms

Run 4: Report of SCReAM — Data Link

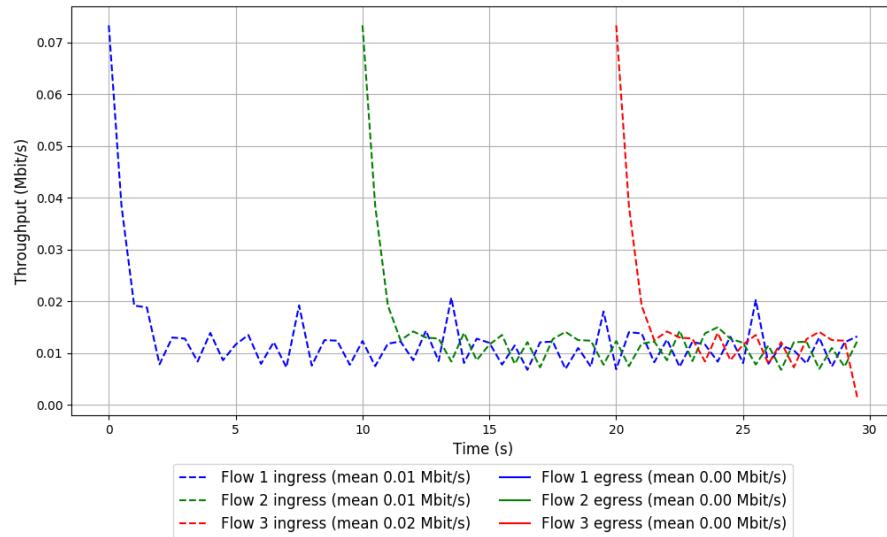
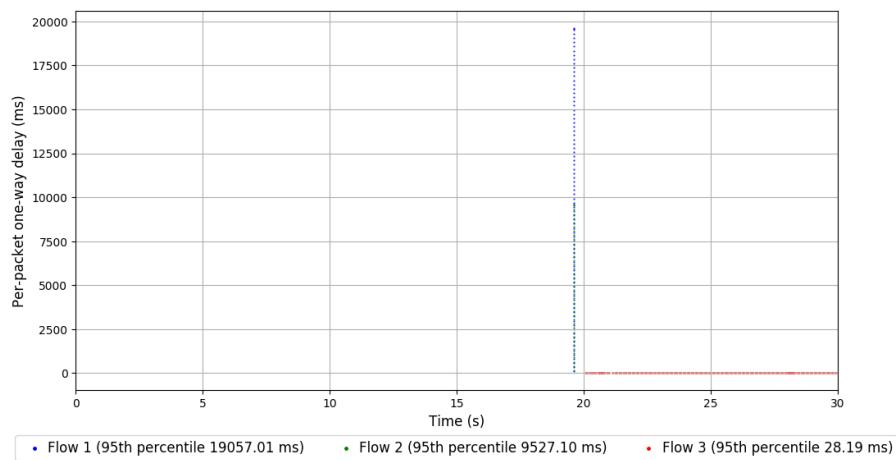
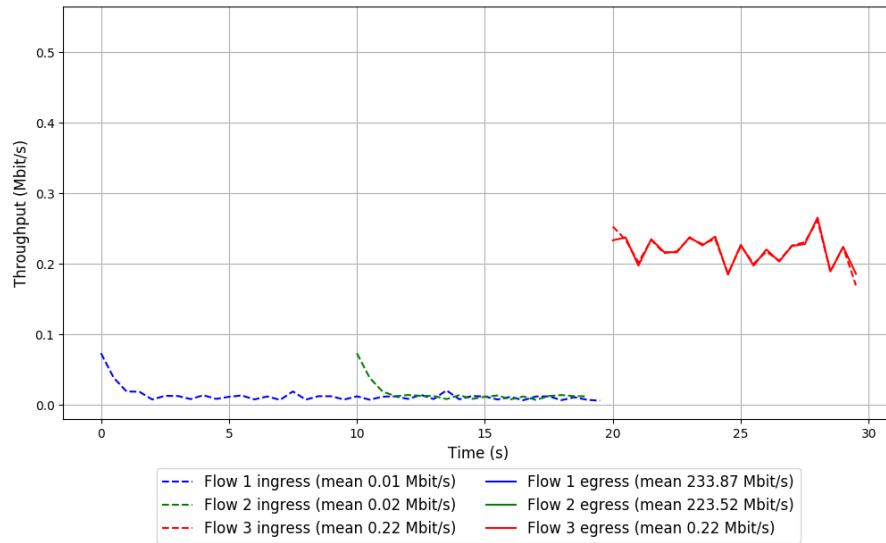


Figure is missing

Run 5: Statistics of SCReAM

Start at: 2017-12-12 00:55:08
End at: 2017-12-12 00:55:38
Local clock offset: -0.587 ms
Remote clock offset: -2.944 ms

Run 5: Report of SCReAM — Data Link

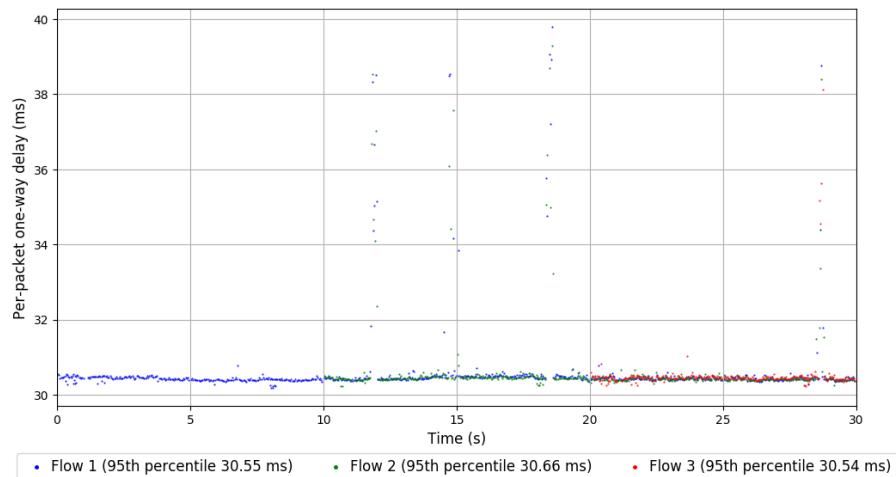
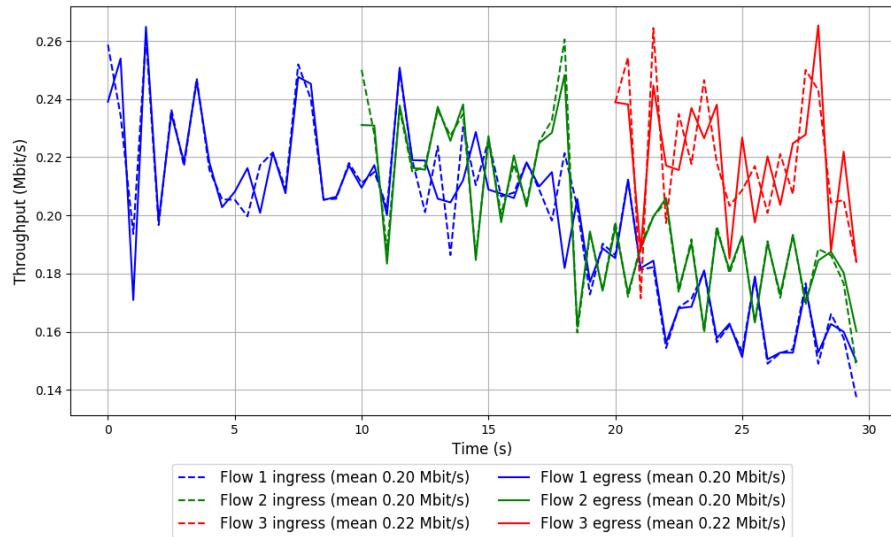


Run 6: Statistics of SCReAM

```
Start at: 2017-12-12 01:19:47
End at: 2017-12-12 01:20:17
Local clock offset: -0.016 ms
Remote clock offset: -2.493 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 30.576 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.545 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.663 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.539 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

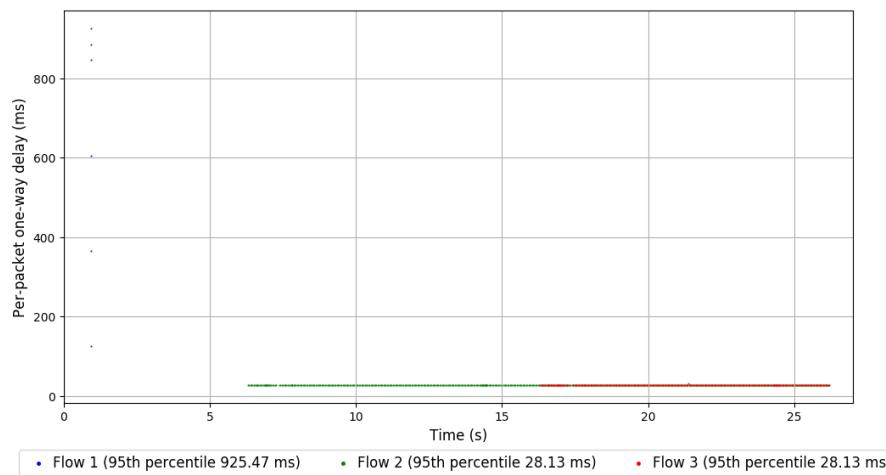
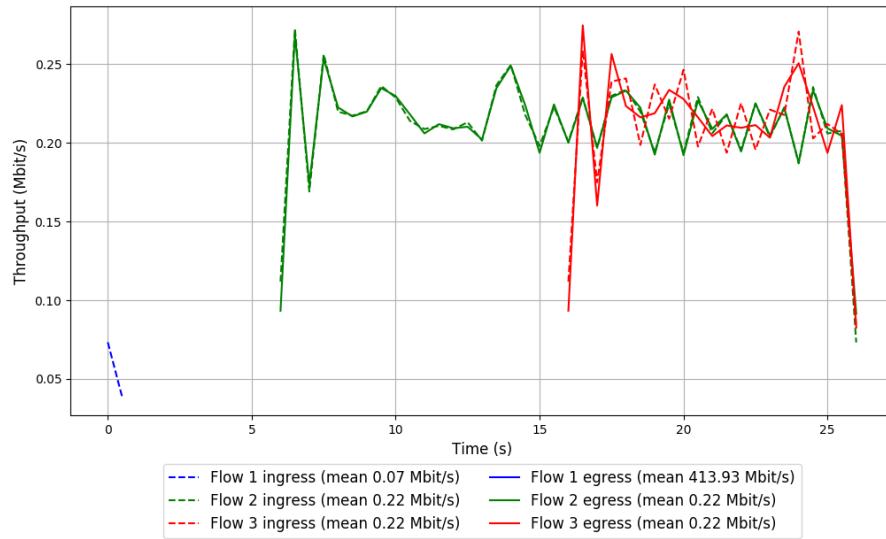


Run 7: Statistics of SCReAM

```
Start at: 2017-12-12 01:44:36
End at: 2017-12-12 01:45:06
Local clock offset: 0.166 ms
Remote clock offset: -5.968 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 28.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 413.93 Mbit/s
95th percentile per-packet one-way delay: 925.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.128 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

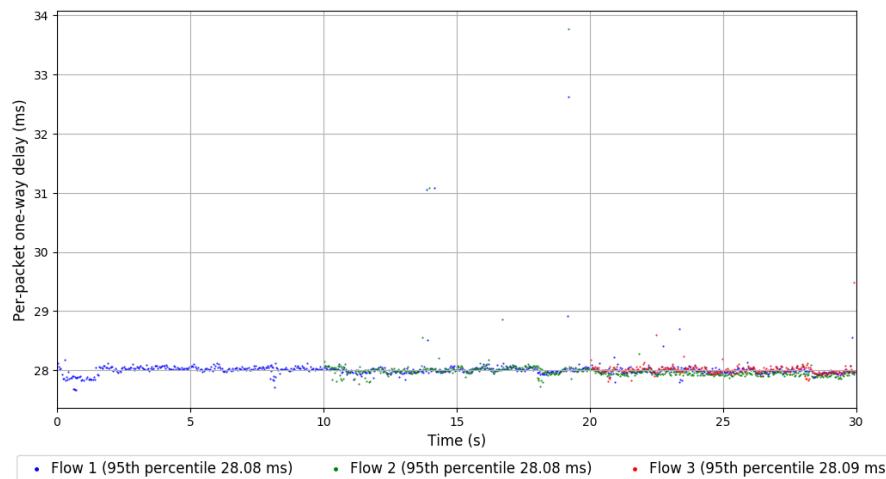
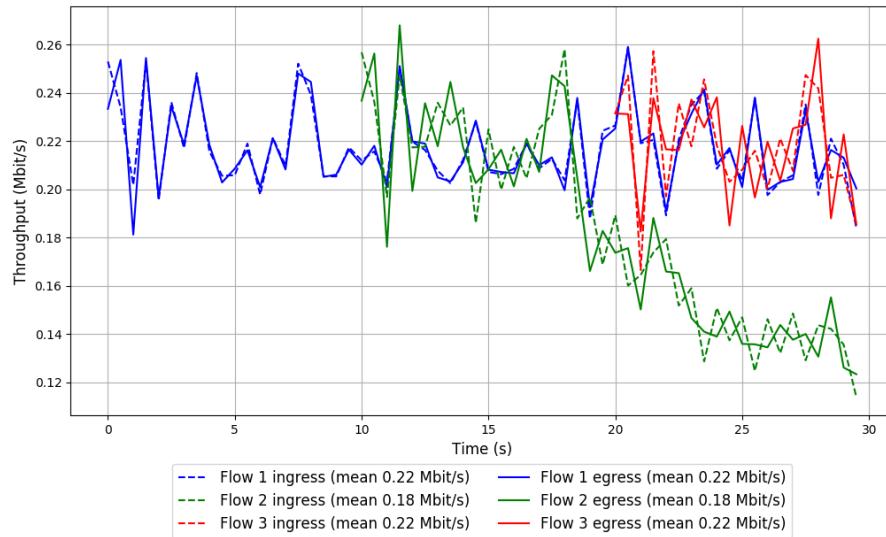


Run 8: Statistics of SCReAM

```
Start at: 2017-12-12 02:09:48
End at: 2017-12-12 02:10:18
Local clock offset: 0.877 ms
Remote clock offset: -5.301 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 28.079 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.076 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.090 ms
Loss rate: 0.00%
```

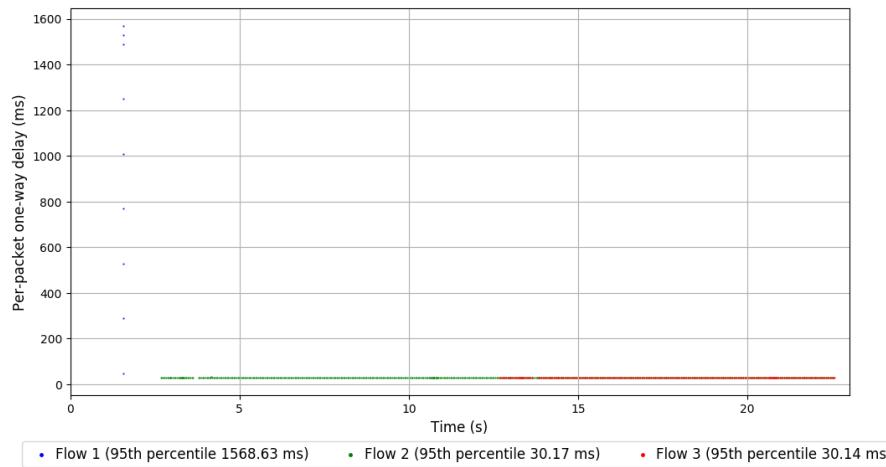
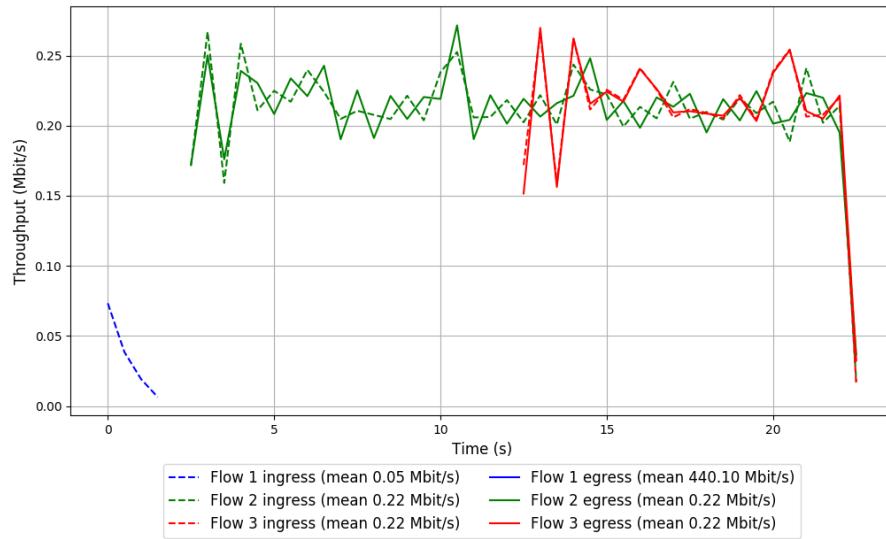
Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-12-12 02:34:21
End at: 2017-12-12 02:34:51
Local clock offset: 1.173 ms
Remote clock offset: -2.361 ms

Run 9: Report of SCReAM — Data Link

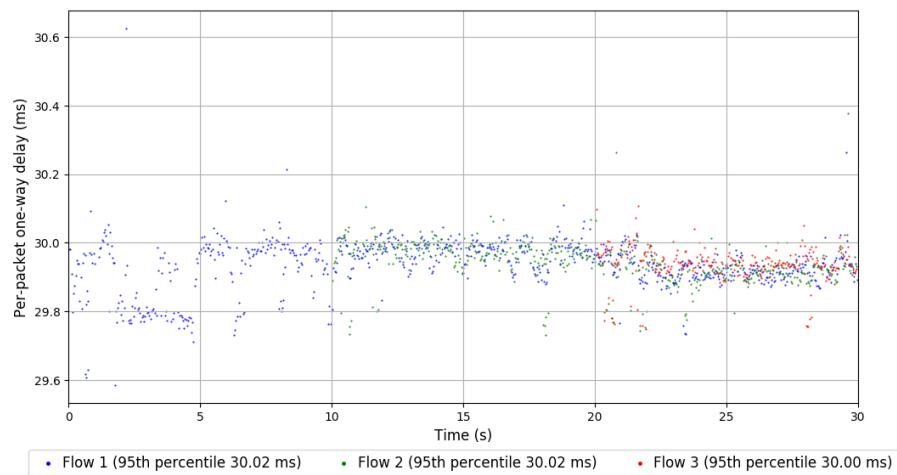
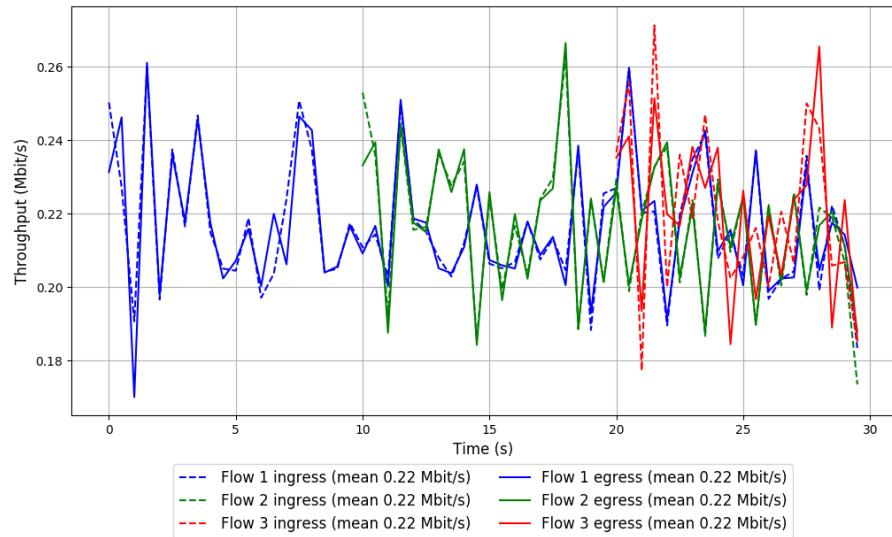


Run 10: Statistics of SCReAM

```
Start at: 2017-12-12 02:59:18
End at: 2017-12-12 02:59:48
Local clock offset: 1.38 ms
Remote clock offset: -2.294 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.005 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

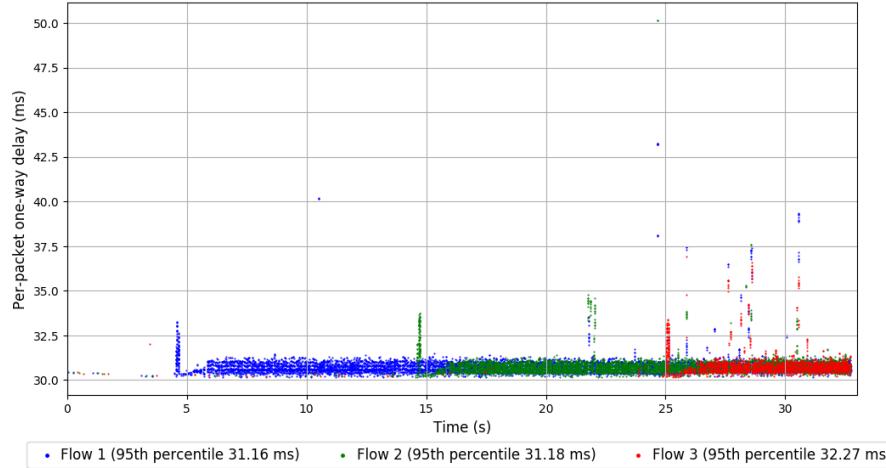
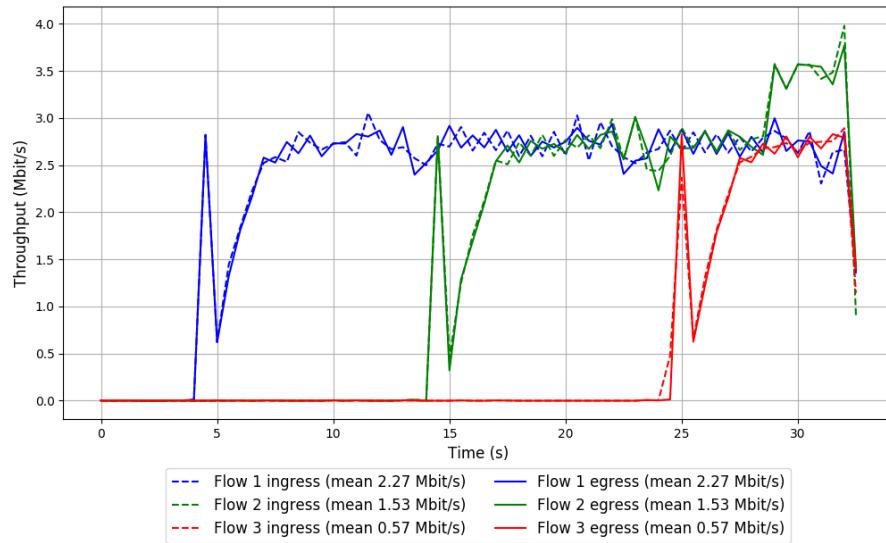


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-11 23:20:32
End at: 2017-12-11 23:21:02
Local clock offset: -0.504 ms
Remote clock offset: 2.684 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 31.178 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 32.265 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

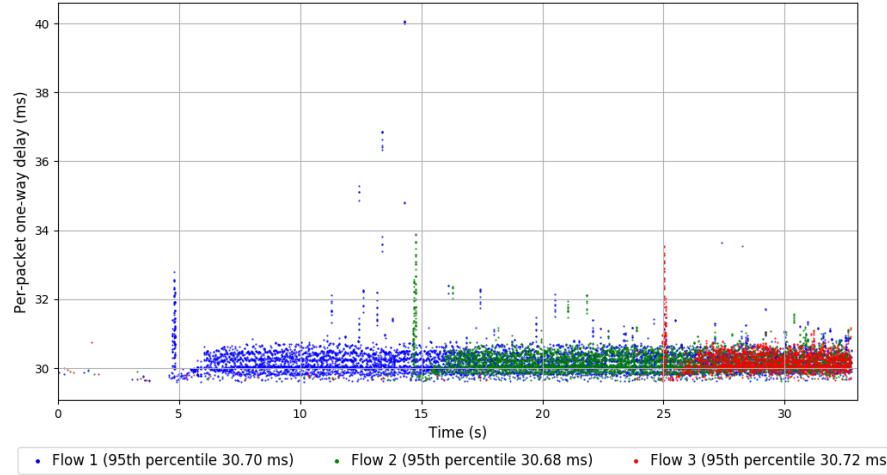
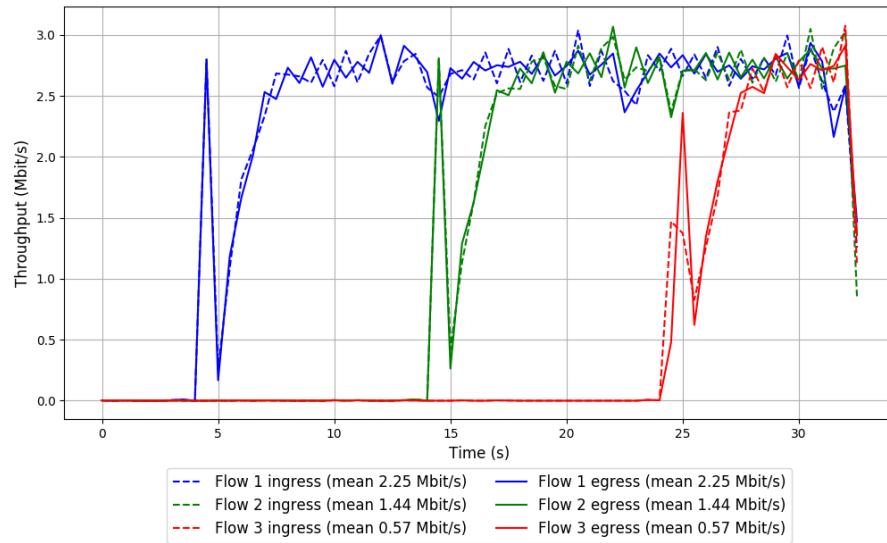


Run 2: Statistics of WebRTC media

```
Start at: 2017-12-11 23:42:00
End at: 2017-12-11 23:42:30
Local clock offset: -0.11 ms
Remote clock offset: 2.574 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 30.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 30.700 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 30.717 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

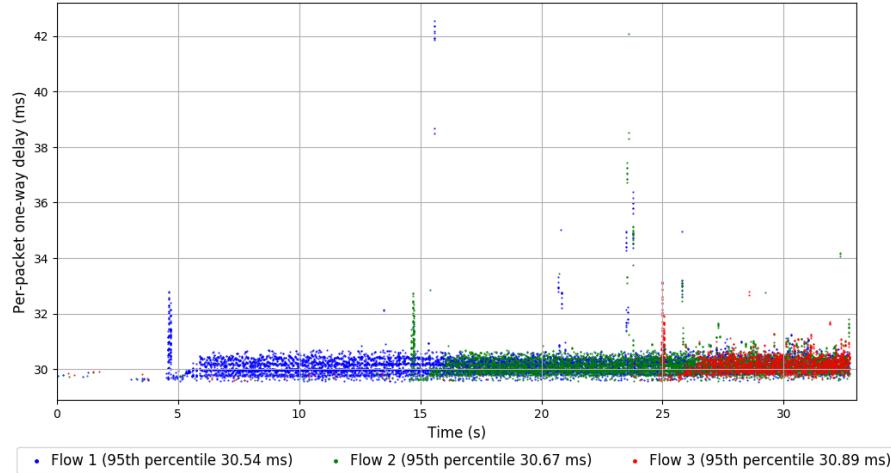
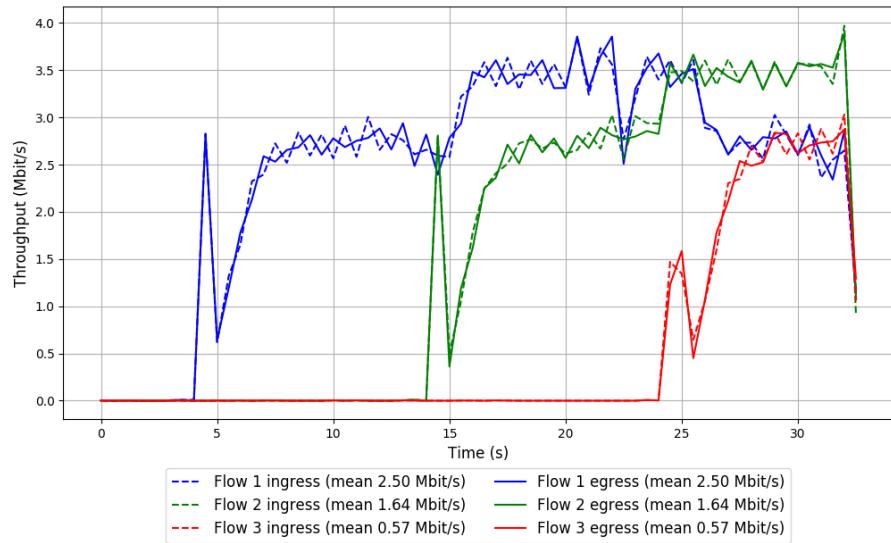


Run 3: Statistics of WebRTC media

```
Start at: 2017-12-12 00:04:48
End at: 2017-12-12 00:05:18
Local clock offset: -0.17 ms
Remote clock offset: 2.229 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 30.669 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 30.894 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

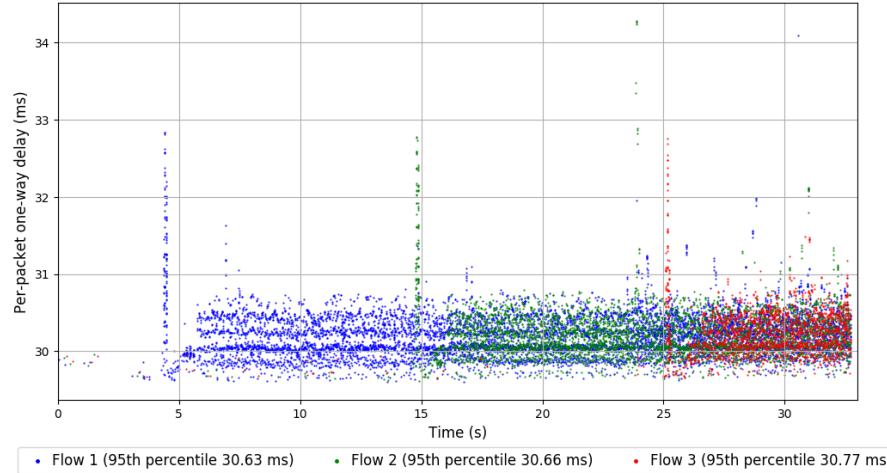
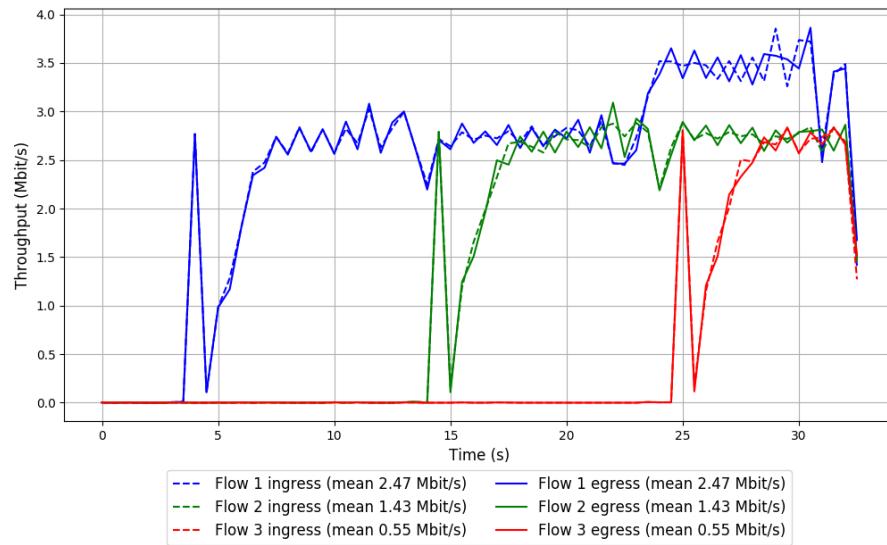


Run 4: Statistics of WebRTC media

```
Start at: 2017-12-12 00:27:22
End at: 2017-12-12 00:27:52
Local clock offset: -0.74 ms
Remote clock offset: 1.287 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 30.658 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 30.630 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 30.661 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 30.766 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

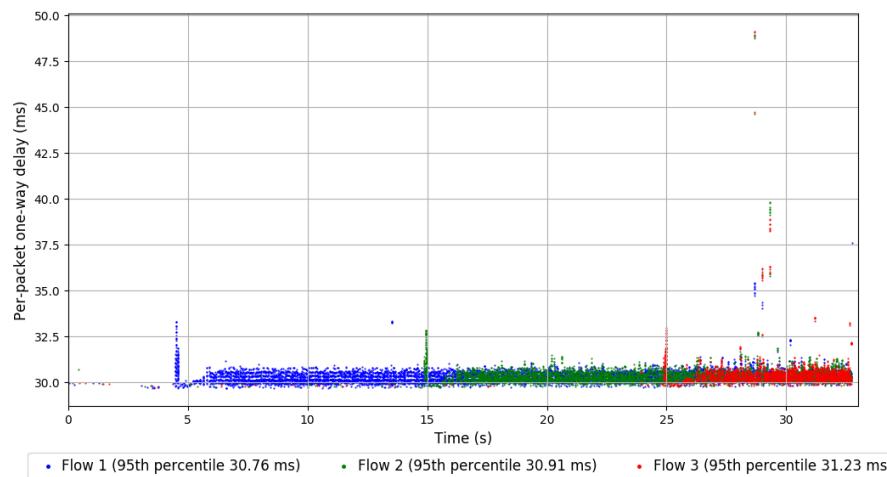
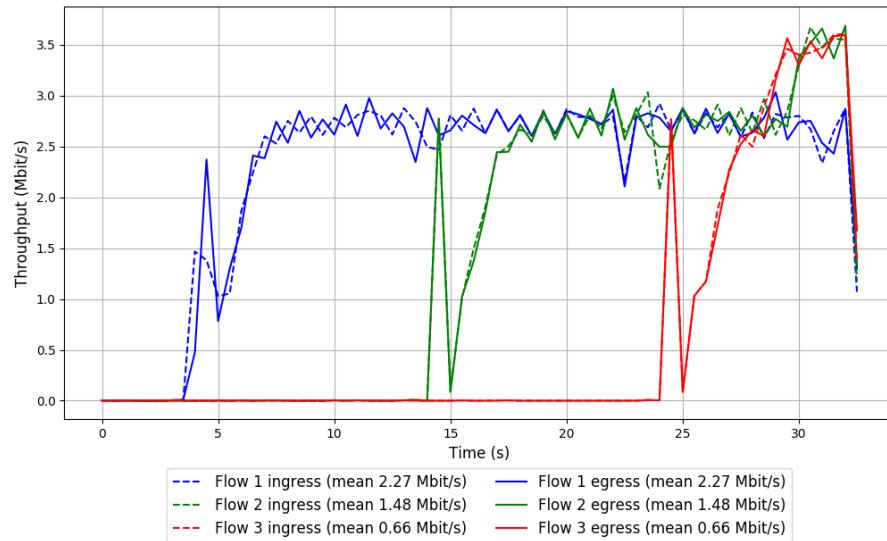


Run 5: Statistics of WebRTC media

```
Start at: 2017-12-12 00:50:03
End at: 2017-12-12 00:50:33
Local clock offset: -0.663 ms
Remote clock offset: -0.508 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 30.852 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 30.915 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 31.230 ms
Loss rate: 0.30%
```

Run 5: Report of WebRTC media — Data Link

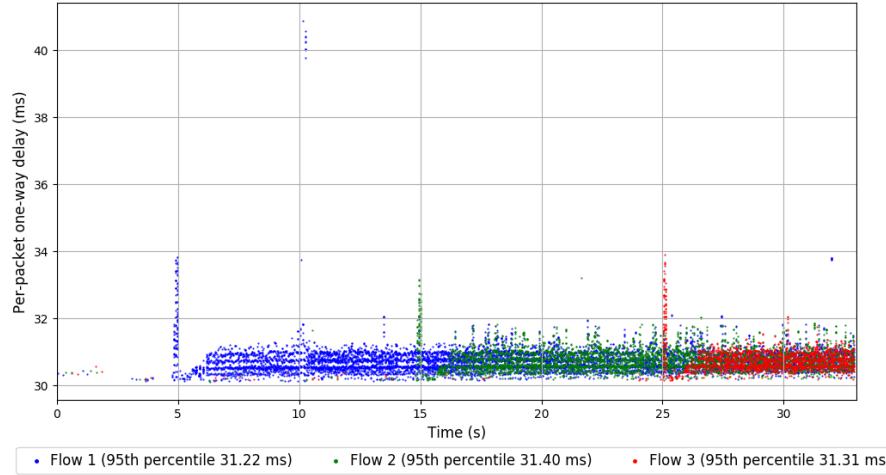
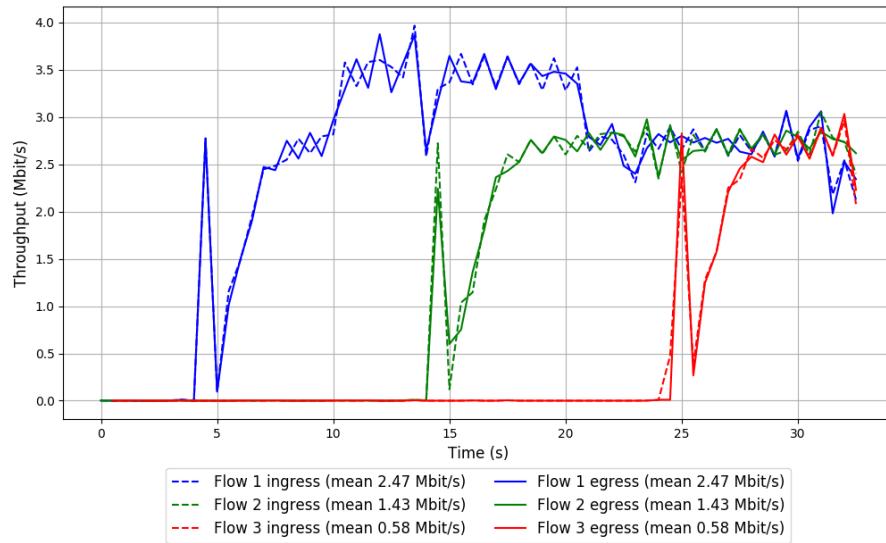


```
Run 6: Statistics of WebRTC media

Start at: 2017-12-12 01:14:12
End at: 2017-12-12 01:14:42
Local clock offset: -0.103 ms
Remote clock offset: -2.059 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 31.295 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 31.221 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

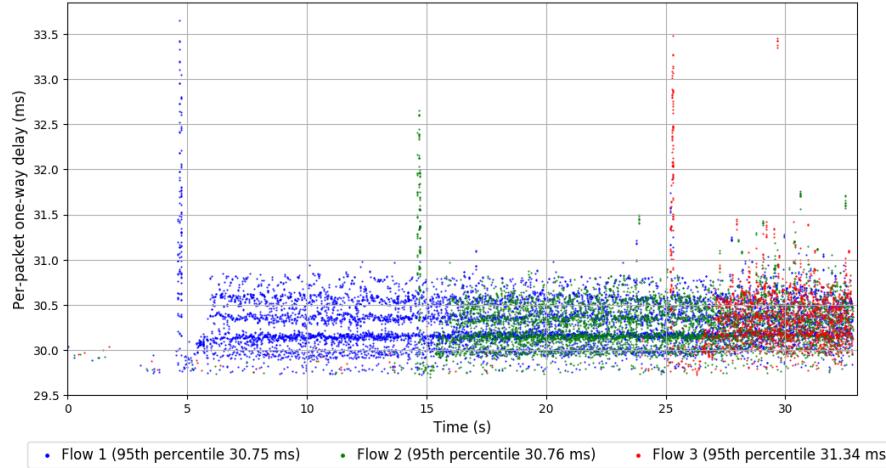
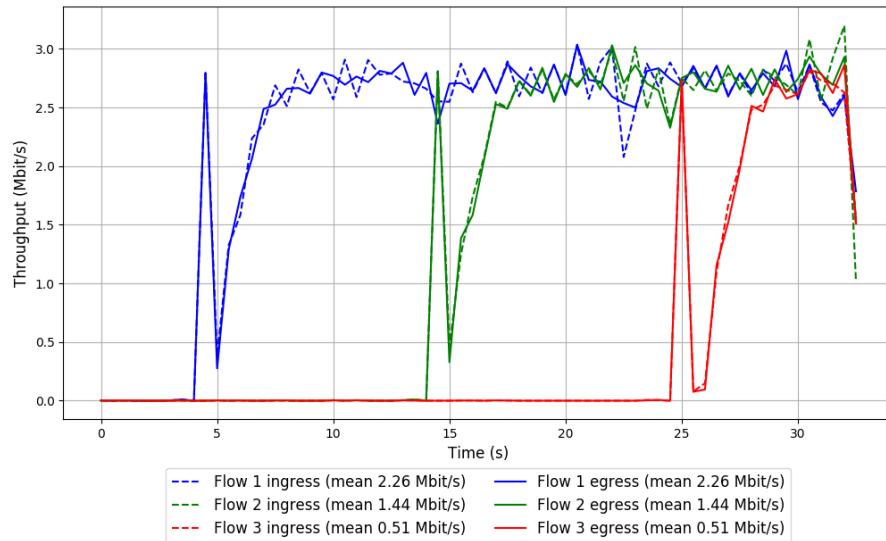


Run 7: Statistics of WebRTC media

```
Start at: 2017-12-12 01:39:16
End at: 2017-12-12 01:39:46
Local clock offset: 0.108 ms
Remote clock offset: -3.962 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 30.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 31.337 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

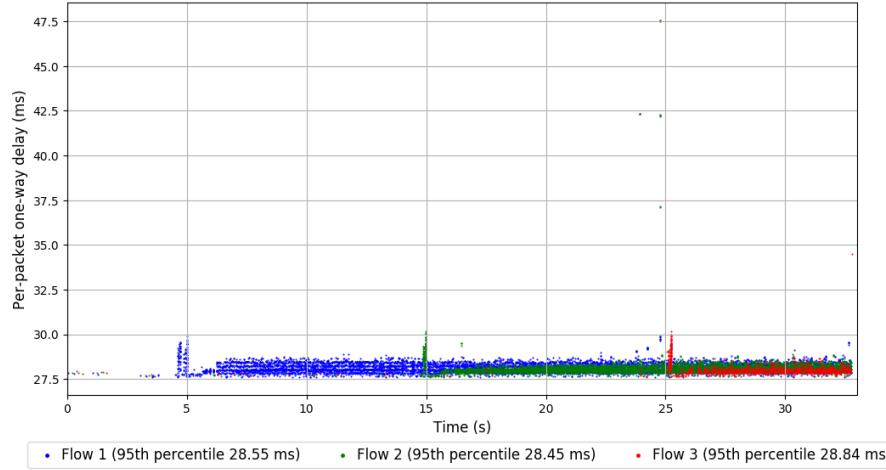
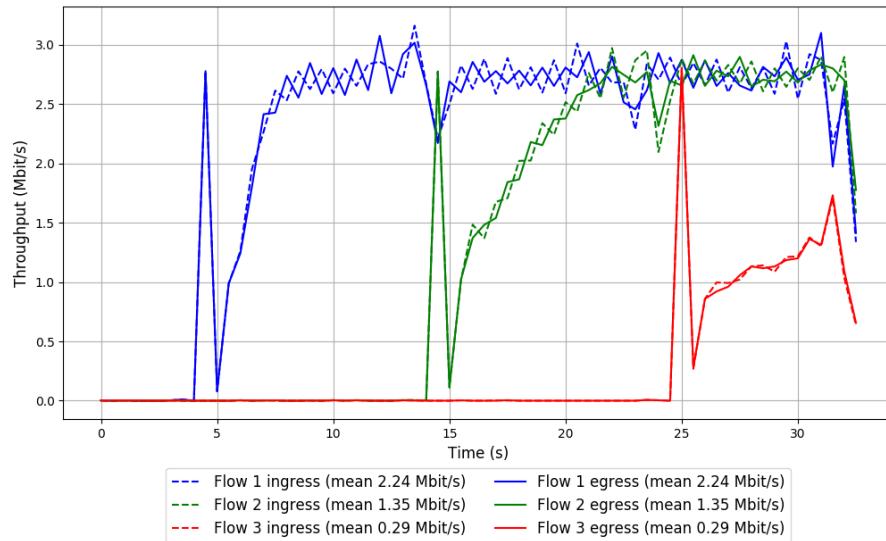


Run 8: Statistics of WebRTC media

```
Start at: 2017-12-12 02:04:12
End at: 2017-12-12 02:04:42
Local clock offset: 0.815 ms
Remote clock offset: -5.486 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 28.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 28.552 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 28.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 28.837 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

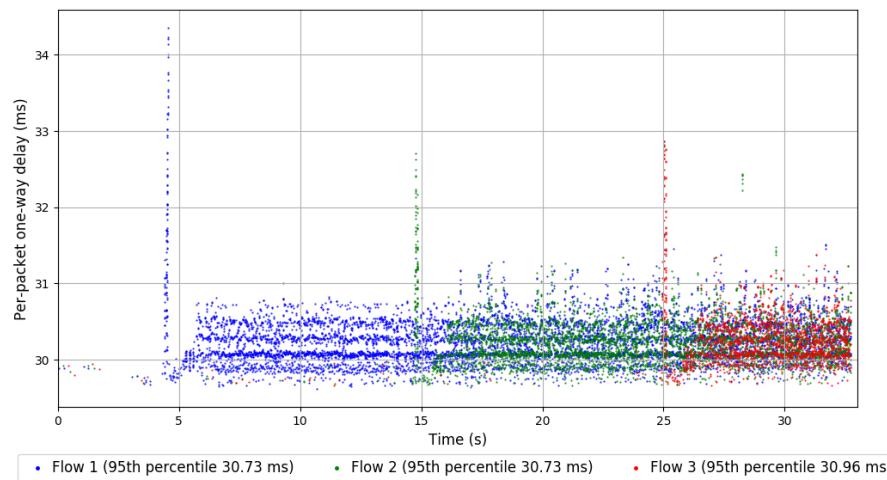
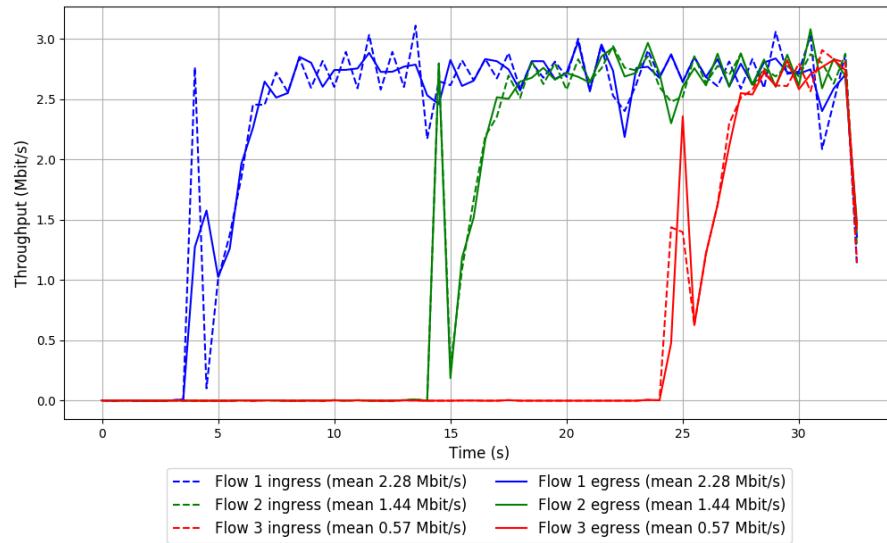


Run 9: Statistics of WebRTC media

```
Start at: 2017-12-12 02:29:05
End at: 2017-12-12 02:29:35
Local clock offset: 1.128 ms
Remote clock offset: -2.608 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 30.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.729 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 30.959 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

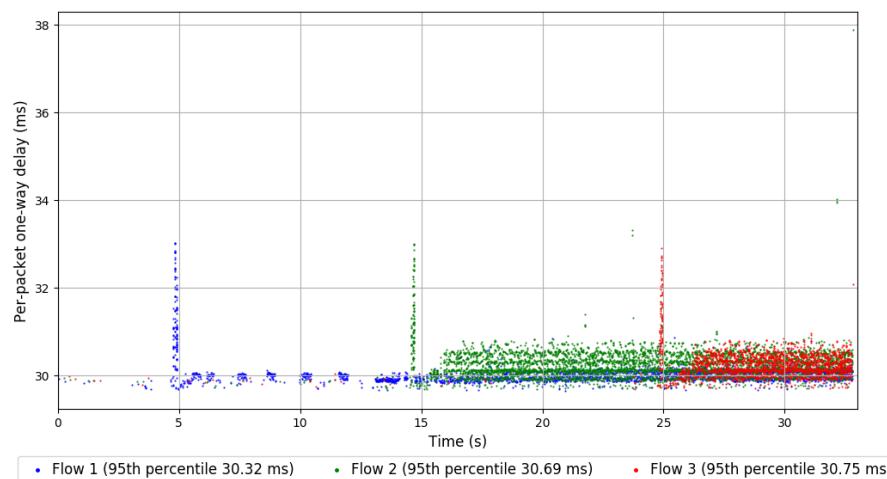
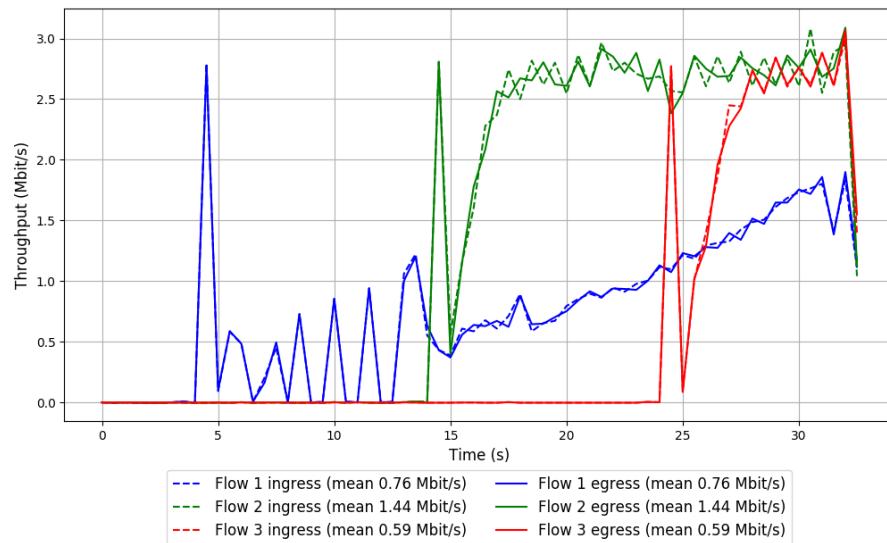


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-12-12 02:53:40
End at: 2017-12-12 02:54:10
Local clock offset: 1.451 ms
Remote clock offset: -2.177 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 30.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 30.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 30.750 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

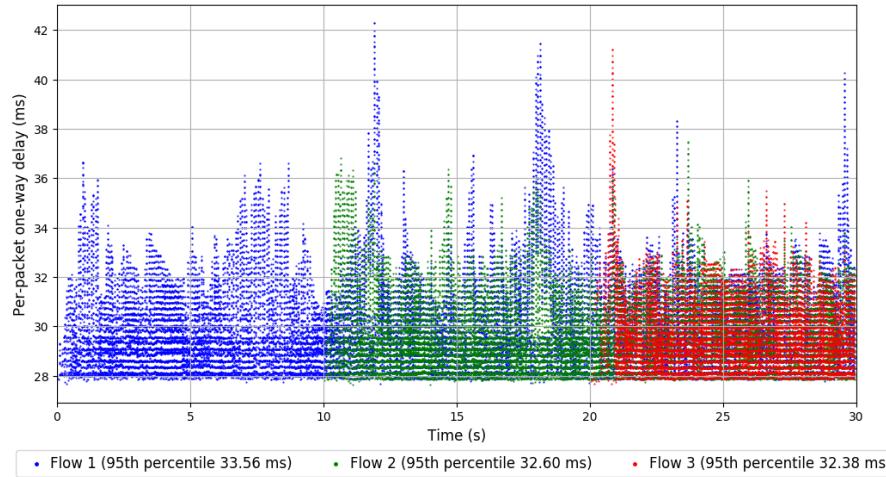
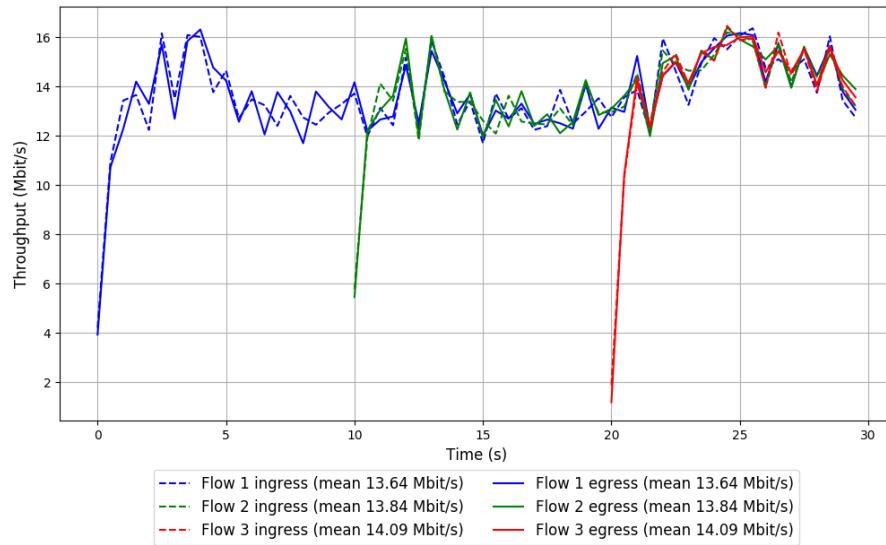


Run 1: Statistics of Sprout

```
Start at: 2017-12-11 23:40:35
End at: 2017-12-11 23:41:05
Local clock offset: -0.153 ms
Remote clock offset: 0.551 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 33.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 33.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 32.605 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 32.383 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

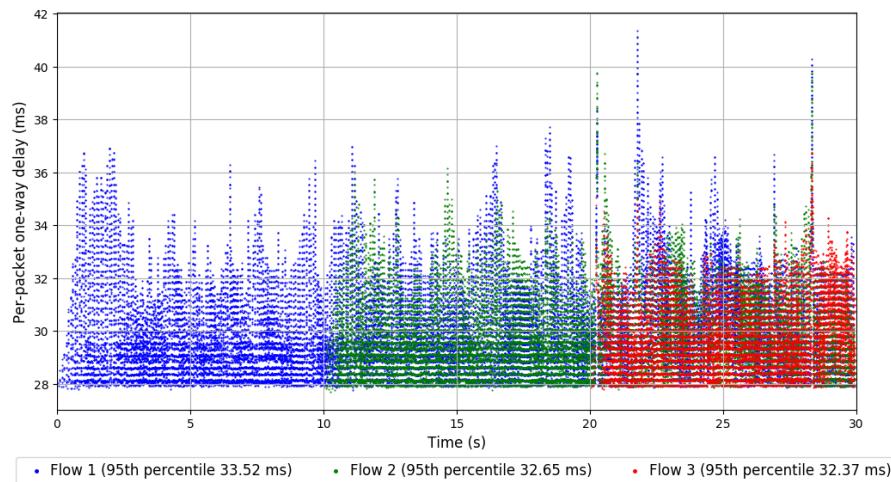
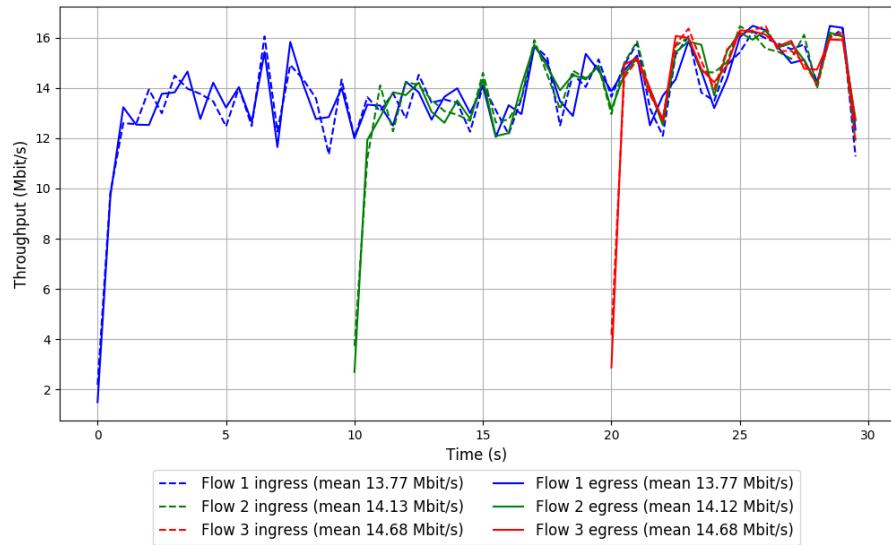


Run 2: Statistics of Sprout

```
Start at: 2017-12-12 00:03:25
End at: 2017-12-12 00:03:55
Local clock offset: -0.281 ms
Remote clock offset: 0.22 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 33.033 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 33.518 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 32.646 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 32.366 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

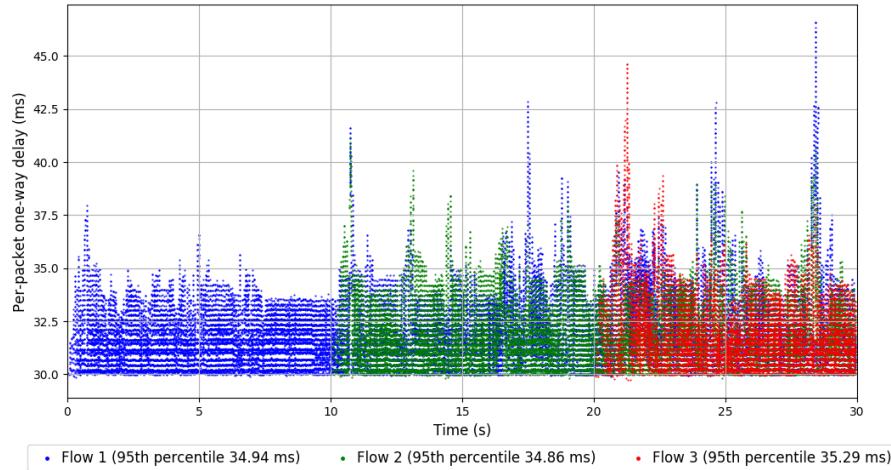
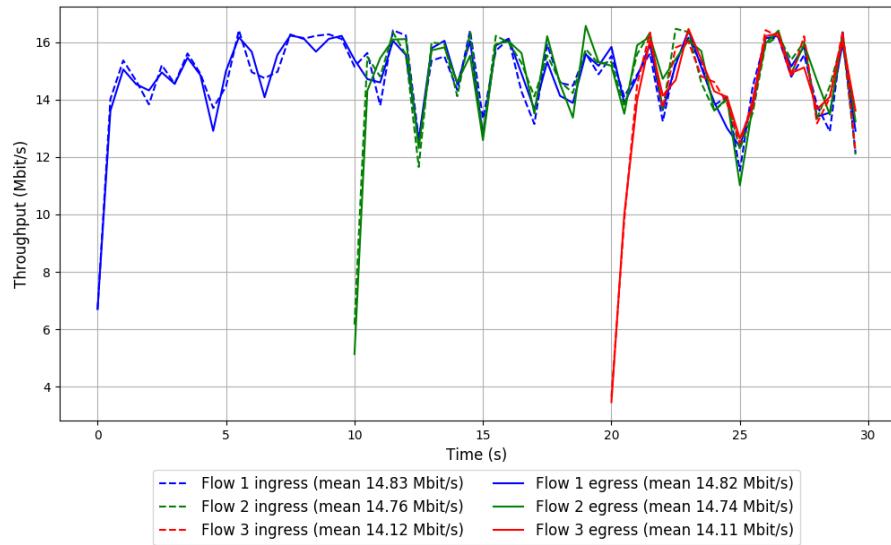


Run 3: Statistics of Sprout

```
Start at: 2017-12-12 00:25:59
End at: 2017-12-12 00:26:29
Local clock offset: -0.731 ms
Remote clock offset: 1.439 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 34.955 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 34.935 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 34.860 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 35.290 ms
Loss rate: 0.03%
```

Run 3: Report of Sprout — Data Link

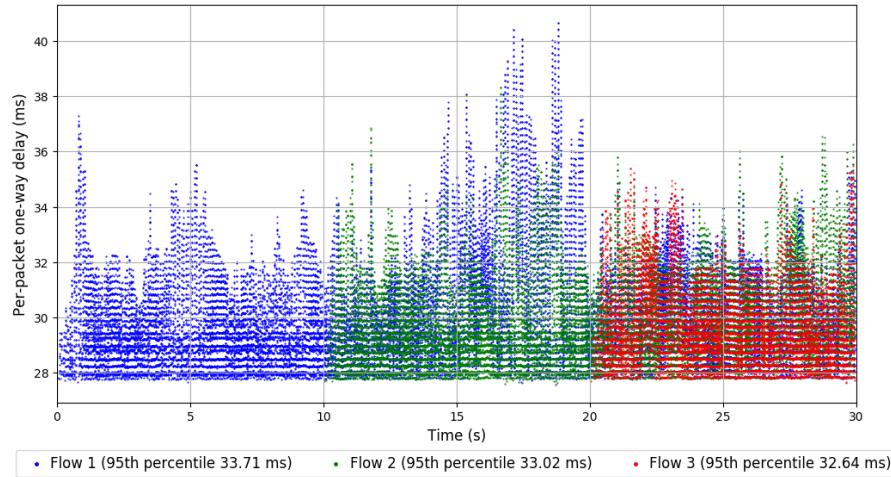
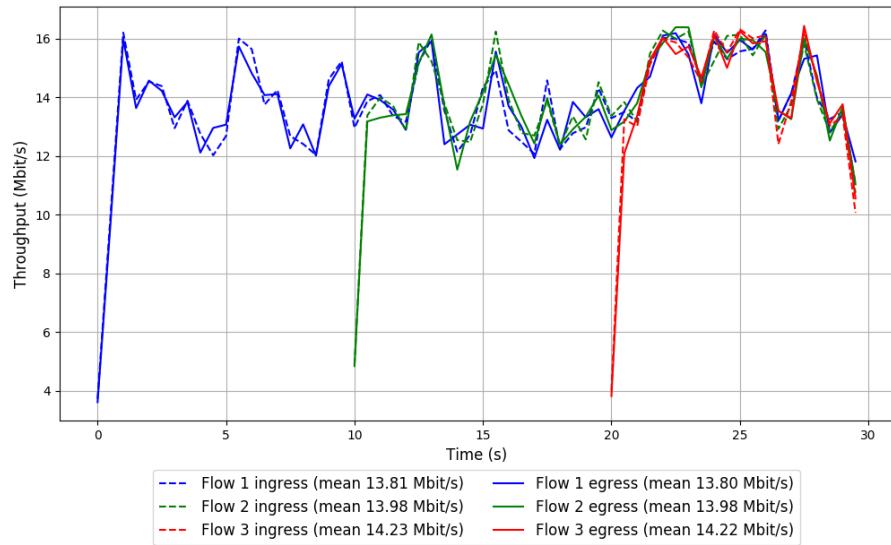


Run 4: Statistics of Sprout

```
Start at: 2017-12-12 00:48:37
End at: 2017-12-12 00:49:07
Local clock offset: -0.593 ms
Remote clock offset: -2.453 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 33.274 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 33.713 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 33.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 32.642 ms
Loss rate: 0.06%
```

Run 4: Report of Sprout — Data Link

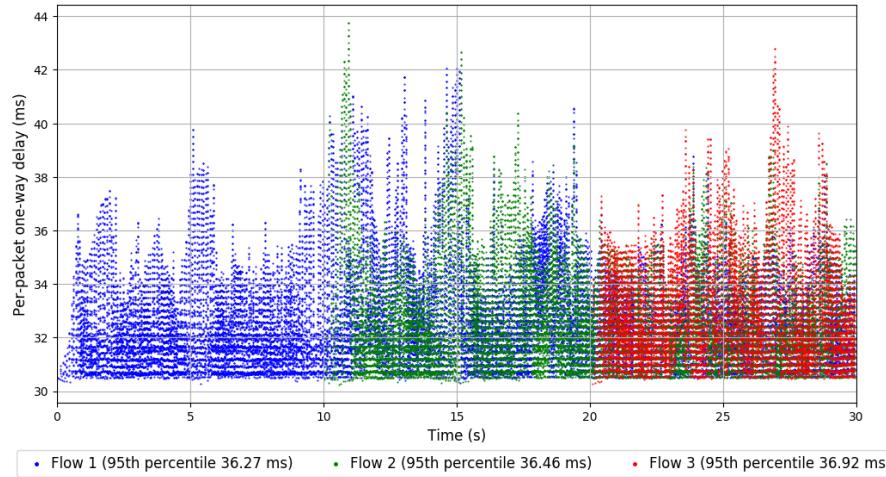
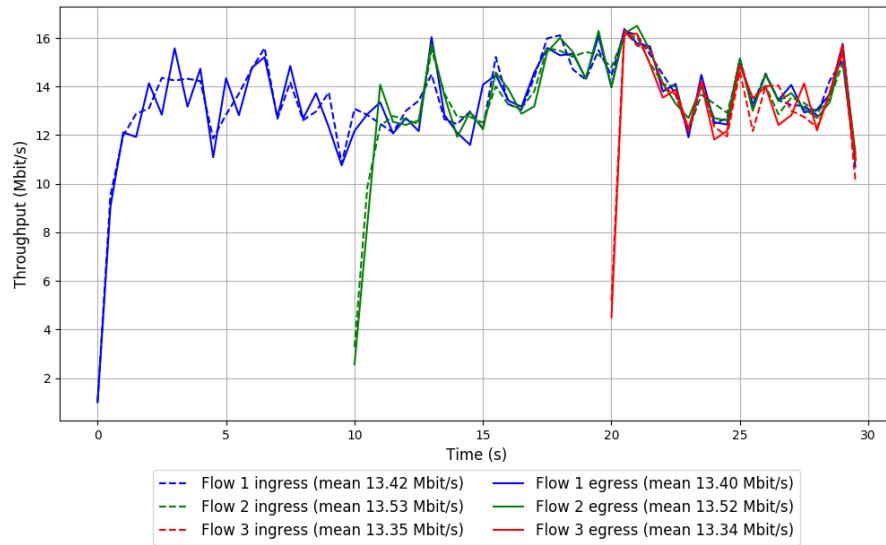


Run 5: Statistics of Sprout

```
Start at: 2017-12-12 01:12:44
End at: 2017-12-12 01:13:14
Local clock offset: -0.214 ms
Remote clock offset: -1.926 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 36.467 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 36.272 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 36.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 36.923 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

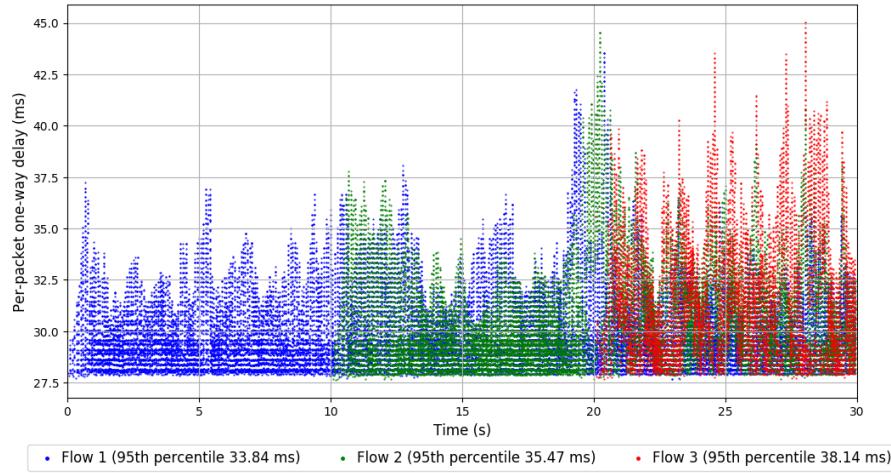
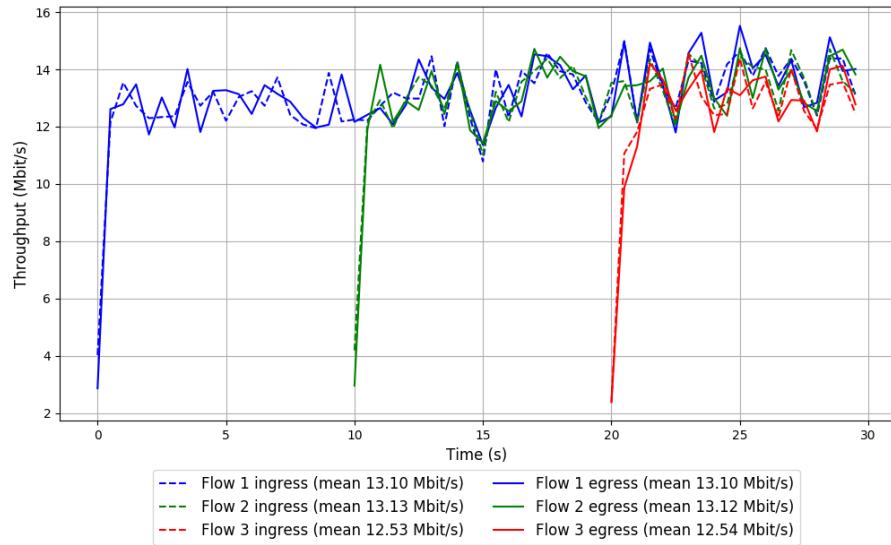


Run 6: Statistics of Sprout

```
Start at: 2017-12-12 01:37:50
End at: 2017-12-12 01:38:20
Local clock offset: 0.083 ms
Remote clock offset: -5.99 ms

# Below is generated by plot.py at 2017-12-12 03:43:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.97 Mbit/s
95th percentile per-packet one-way delay: 35.503 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 33.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 35.469 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 38.142 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

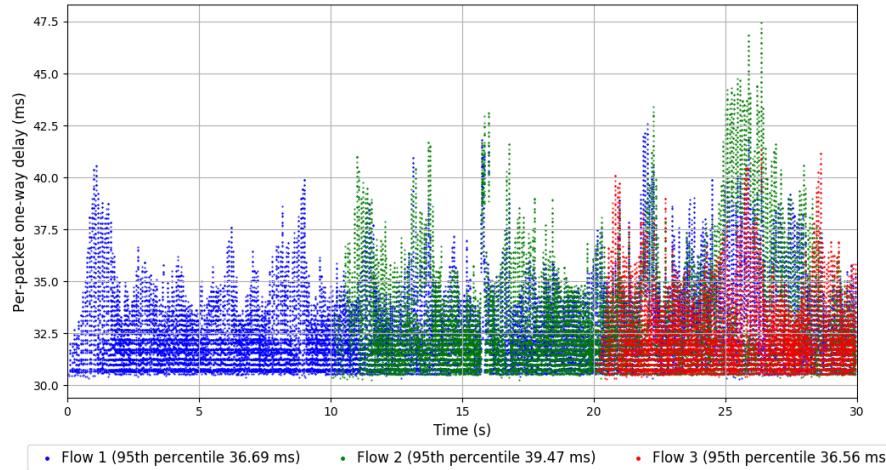
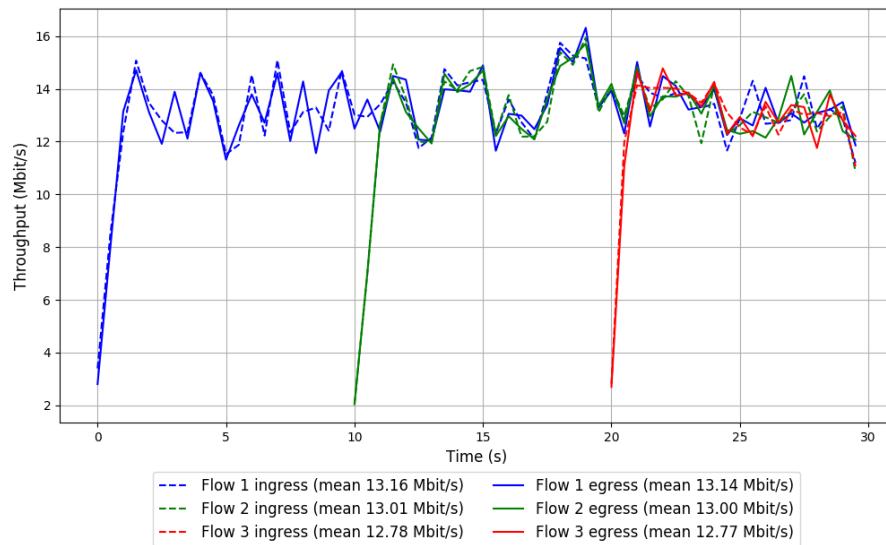


Run 7: Statistics of Sprout

```
Start at: 2017-12-12 02:02:42
End at: 2017-12-12 02:03:12
Local clock offset: 0.688 ms
Remote clock offset: -2.93 ms

# Below is generated by plot.py at 2017-12-12 03:43:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 37.596 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 36.686 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 39.470 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 36.560 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

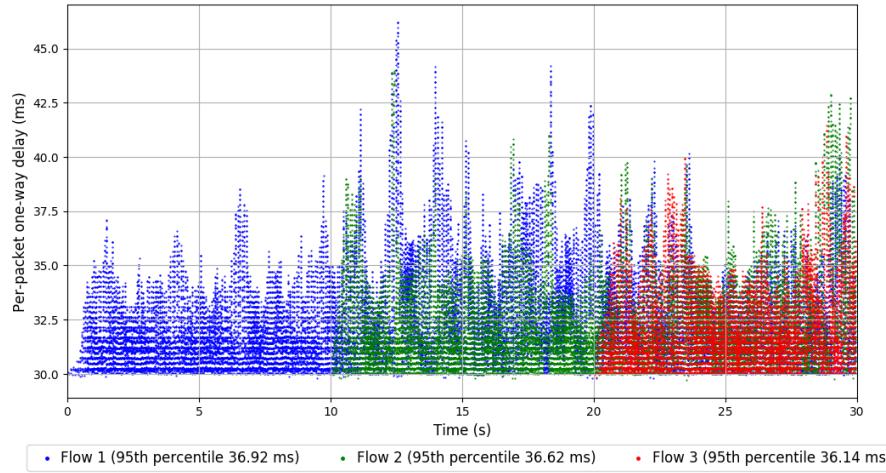
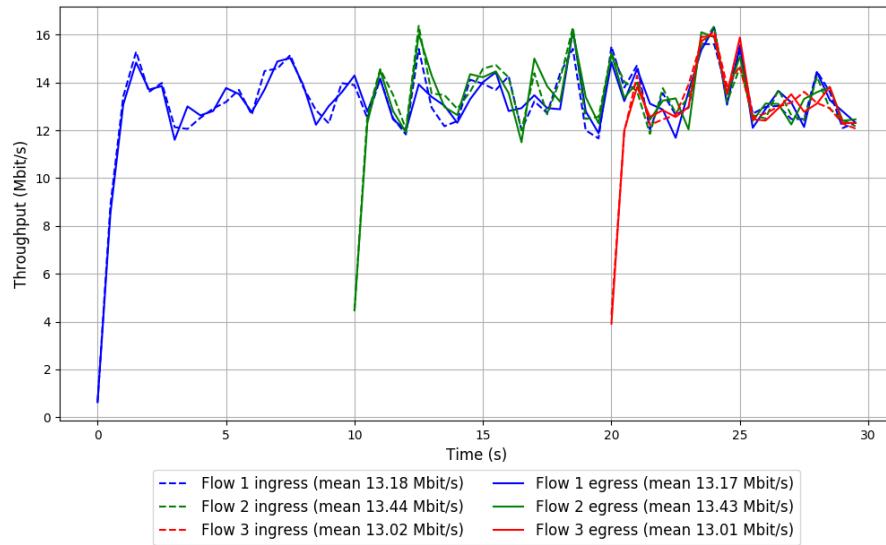


Run 8: Statistics of Sprout

```
Start at: 2017-12-12 02:27:43
End at: 2017-12-12 02:28:13
Local clock offset: 1.072 ms
Remote clock offset: -2.544 ms

# Below is generated by plot.py at 2017-12-12 03:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 36.693 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 36.916 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 13.43 Mbit/s
95th percentile per-packet one-way delay: 36.624 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 36.140 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

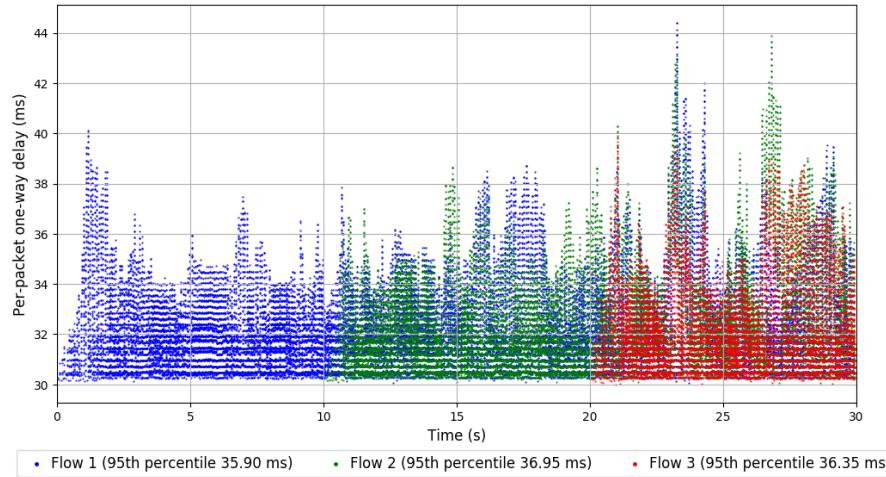
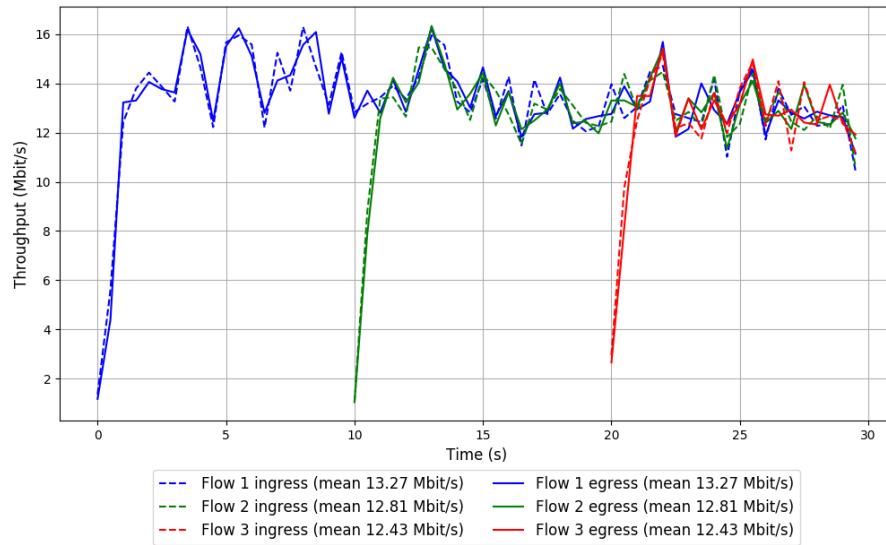


Run 9: Statistics of Sprout

```
Start at: 2017-12-12 02:52:13
End at: 2017-12-12 02:52:43
Local clock offset: 1.418 ms
Remote clock offset: -1.896 ms

# Below is generated by plot.py at 2017-12-12 03:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 36.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 35.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 36.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 36.348 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

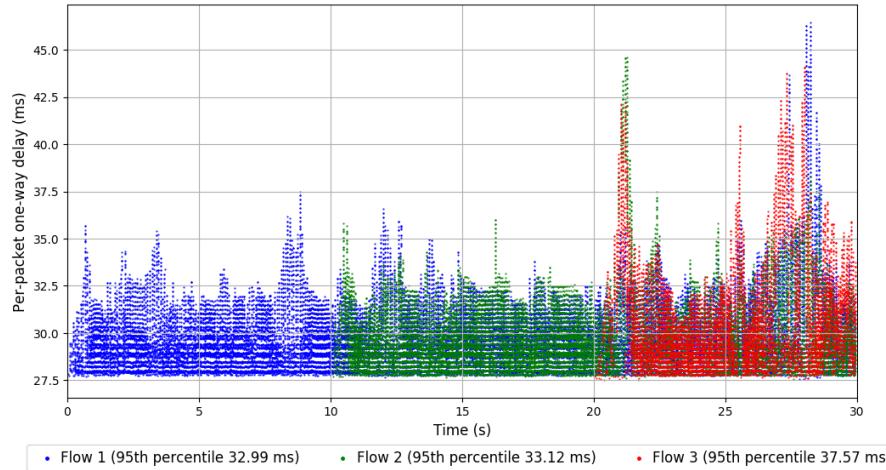
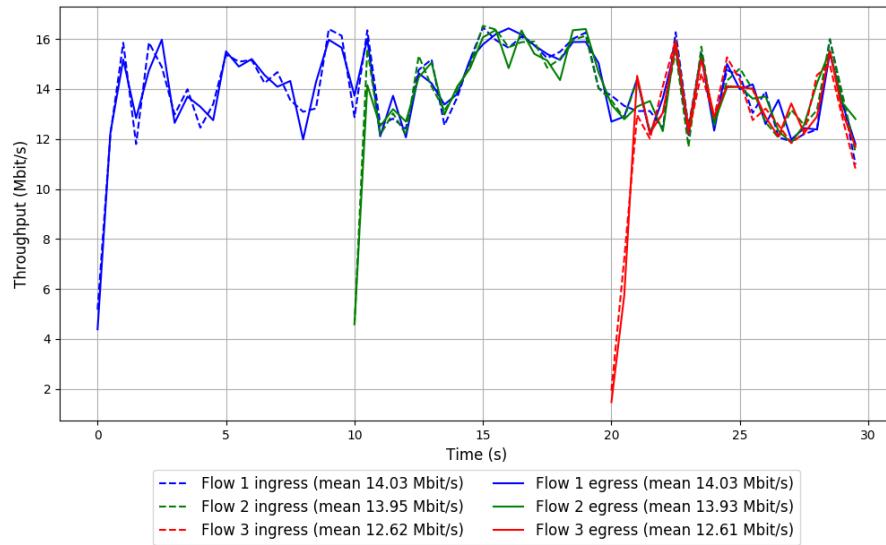


Run 10: Statistics of Sprout

```
Start at: 2017-12-12 03:16:46
End at: 2017-12-12 03:17:16
Local clock offset: 1.347 ms
Remote clock offset: -4.206 ms

# Below is generated by plot.py at 2017-12-12 03:43:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 33.839 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 32.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.93 Mbit/s
95th percentile per-packet one-way delay: 33.117 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 37.570 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

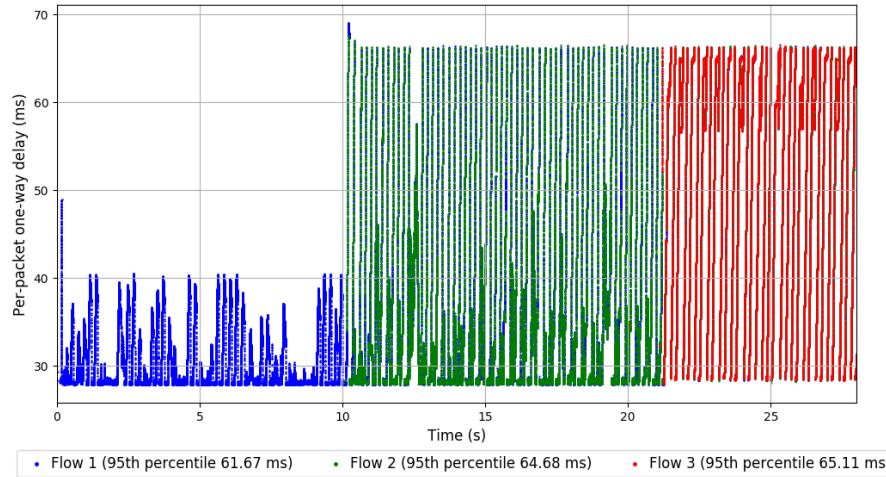
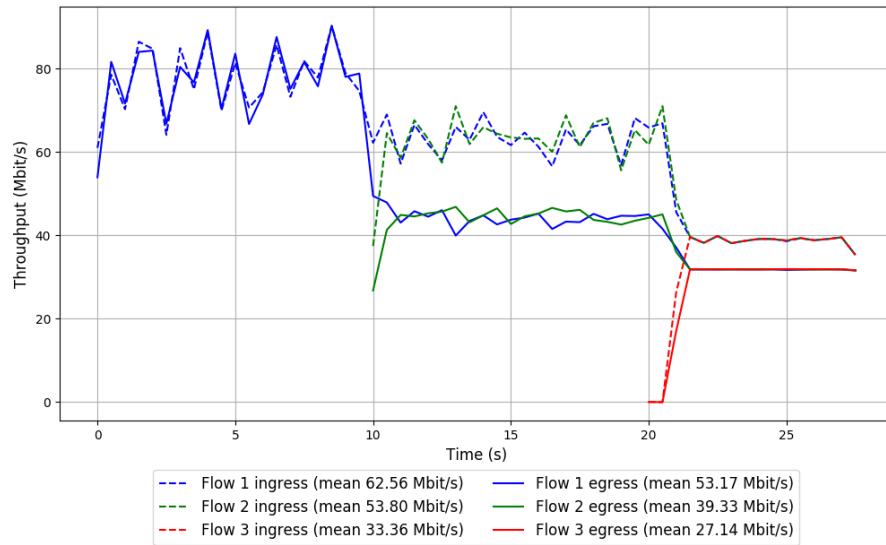


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-12-11 23:21:50
End at: 2017-12-11 23:22:20
Local clock offset: -0.459 ms
Remote clock offset: 0.242 ms

# Below is generated by plot.py at 2017-12-12 03:45:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 64.285 ms
Loss rate: 19.20%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 61.672 ms
Loss rate: 15.02%
-- Flow 2:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 64.684 ms
Loss rate: 26.90%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 65.108 ms
Loss rate: 18.69%
```

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

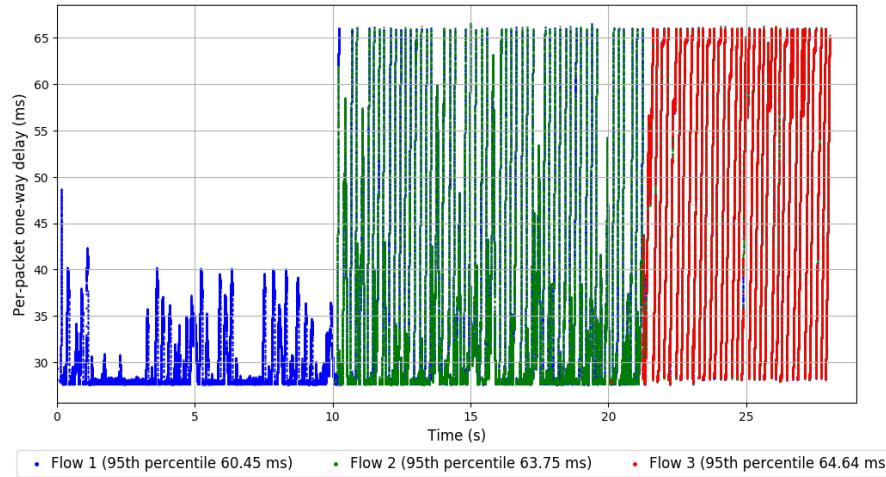
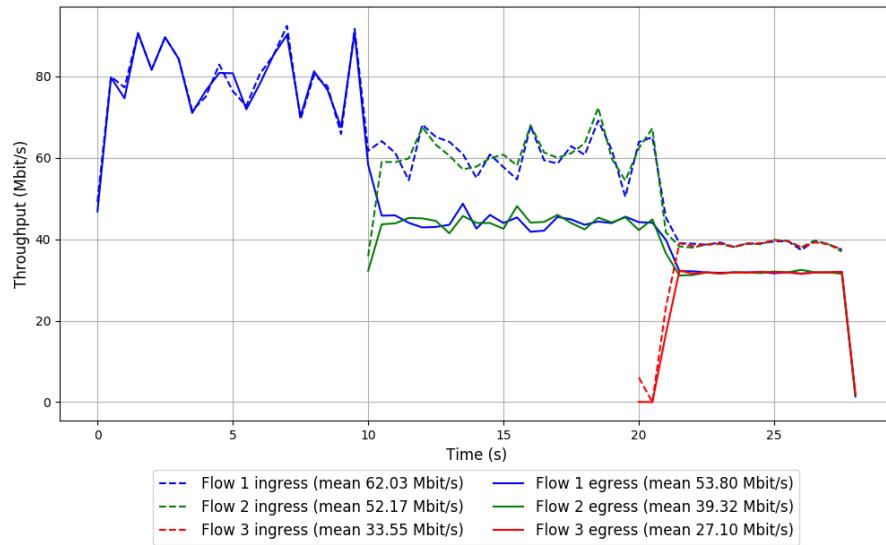


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-12-11 23:43:19
End at: 2017-12-11 23:43:49
Local clock offset: -0.088 ms
Remote clock offset: 0.45 ms

# Below is generated by plot.py at 2017-12-12 03:45:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 63.183 ms
Loss rate: 17.30%
-- Flow 1:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: 60.453 ms
Loss rate: 13.19%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 63.753 ms
Loss rate: 24.47%
-- Flow 3:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 64.641 ms
Loss rate: 18.86%
```

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

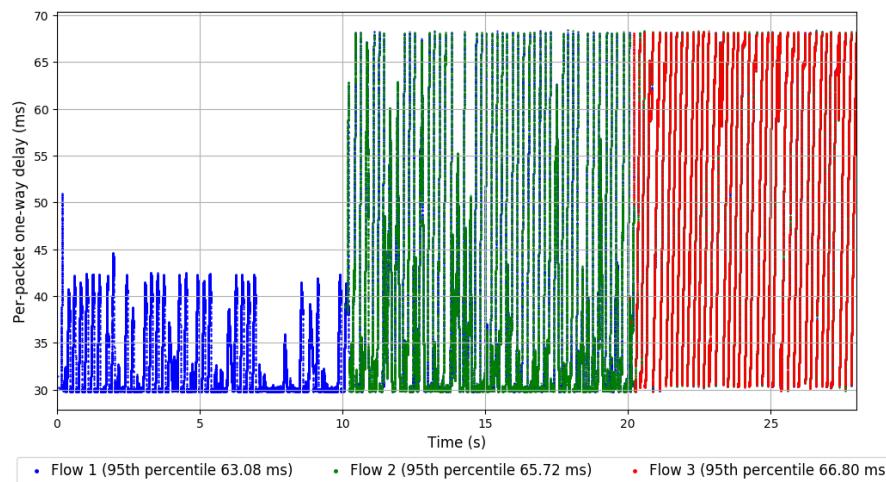
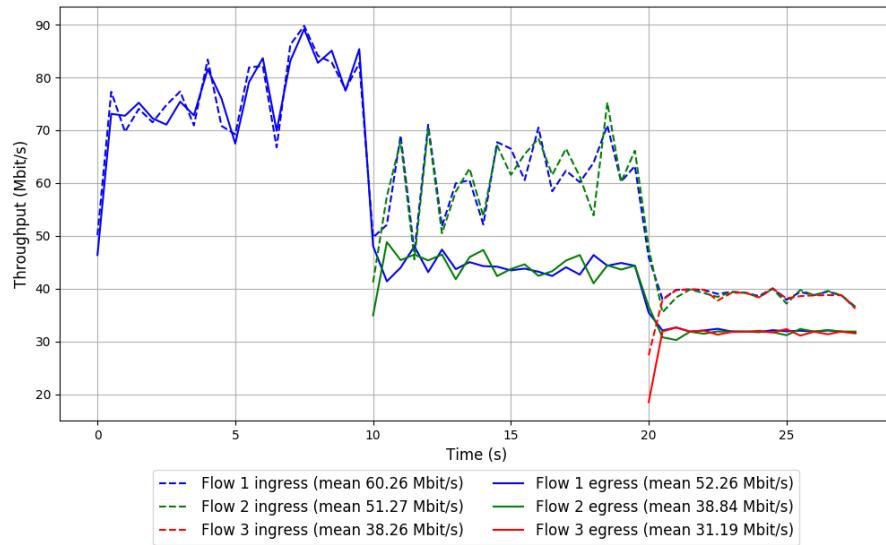


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-12-12 00:06:08
End at: 2017-12-12 00:06:38
Local clock offset: -0.317 ms
Remote clock offset: 2.099 ms

# Below is generated by plot.py at 2017-12-12 03:45:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 65.021 ms
Loss rate: 17.29%
-- Flow 1:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 63.077 ms
Loss rate: 13.28%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 65.725 ms
Loss rate: 24.24%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 18.55%
```

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

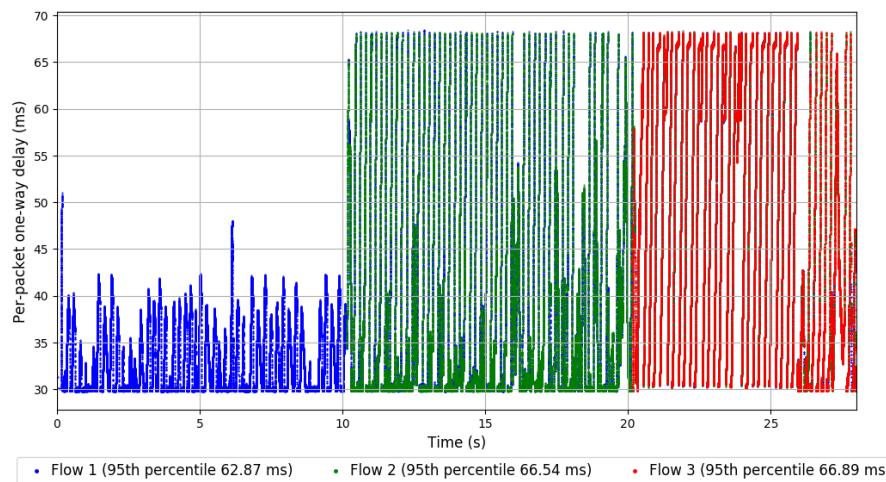
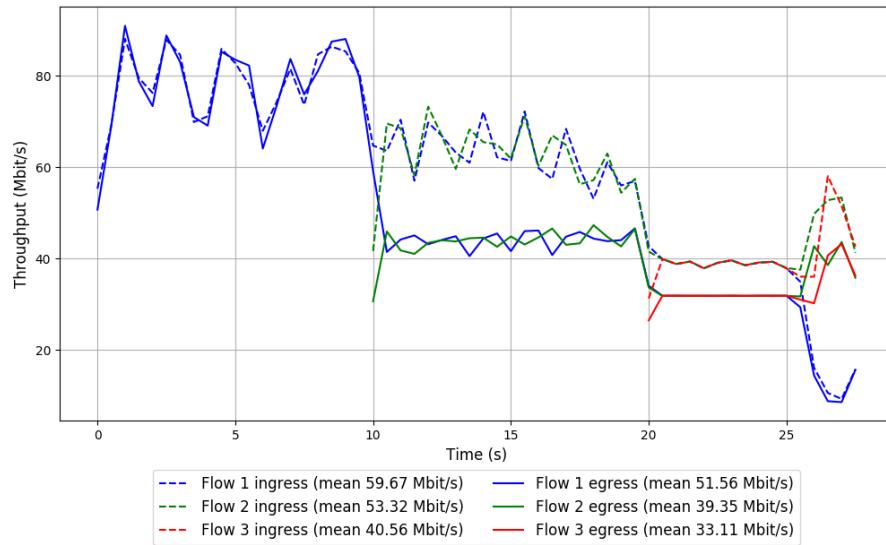


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-12-12 00:28:40
End at: 2017-12-12 00:29:10
Local clock offset: -0.707 ms
Remote clock offset: 1.235 ms

# Below is generated by plot.py at 2017-12-12 03:45:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 66.060 ms
Loss rate: 18.21%
-- Flow 1:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 62.867 ms
Loss rate: 13.59%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 66.540 ms
Loss rate: 26.20%
-- Flow 3:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 66.887 ms
Loss rate: 18.38%
```

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

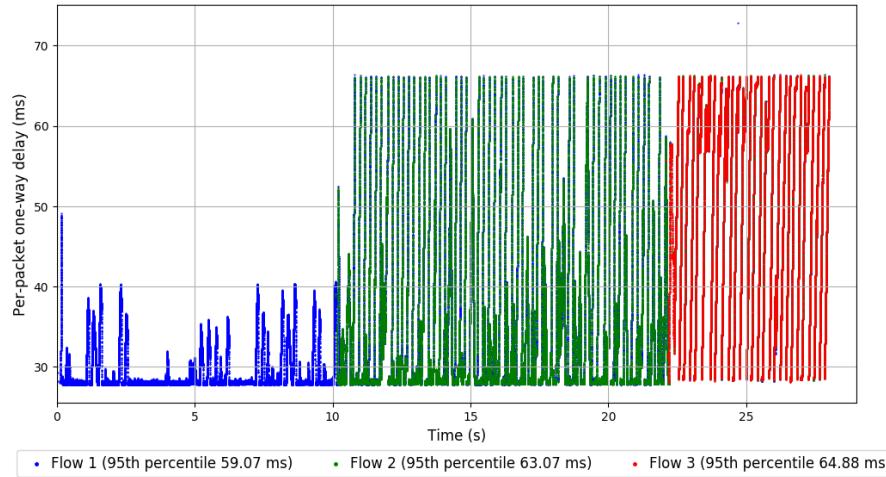
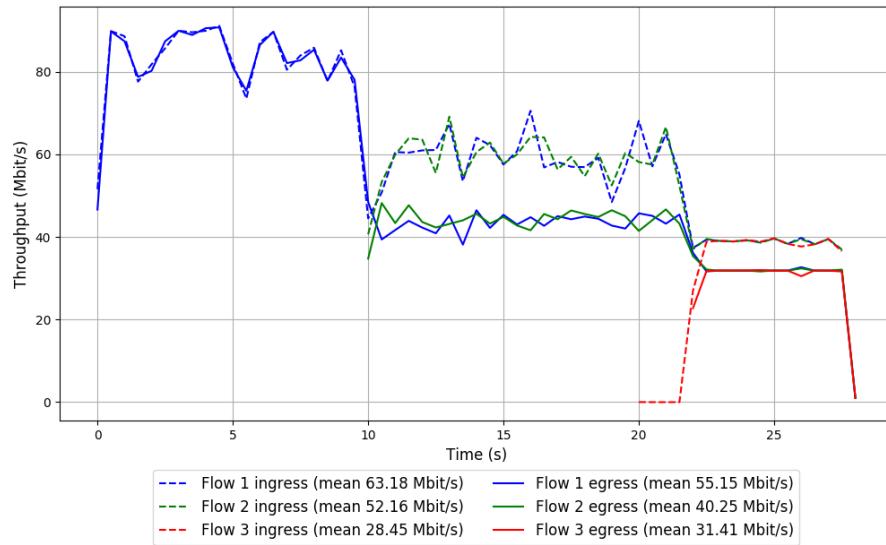


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-12-12 00:51:23
End at: 2017-12-12 00:51:53
Local clock offset: -0.552 ms
Remote clock offset: -2.655 ms

# Below is generated by plot.py at 2017-12-12 03:45:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 61.955 ms
Loss rate: 16.25%
-- Flow 1:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 59.070 ms
Loss rate: 12.64%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 63.073 ms
Loss rate: 22.76%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 64.884 ms
Loss rate: 17.52%
```

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

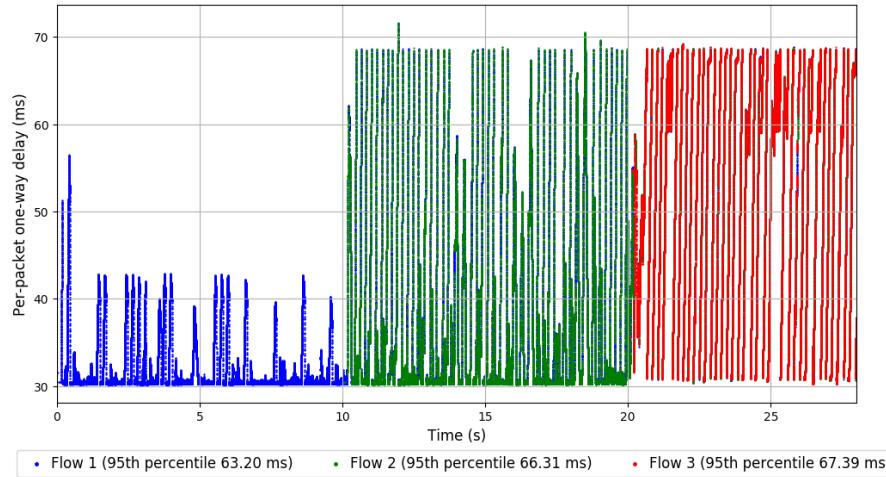
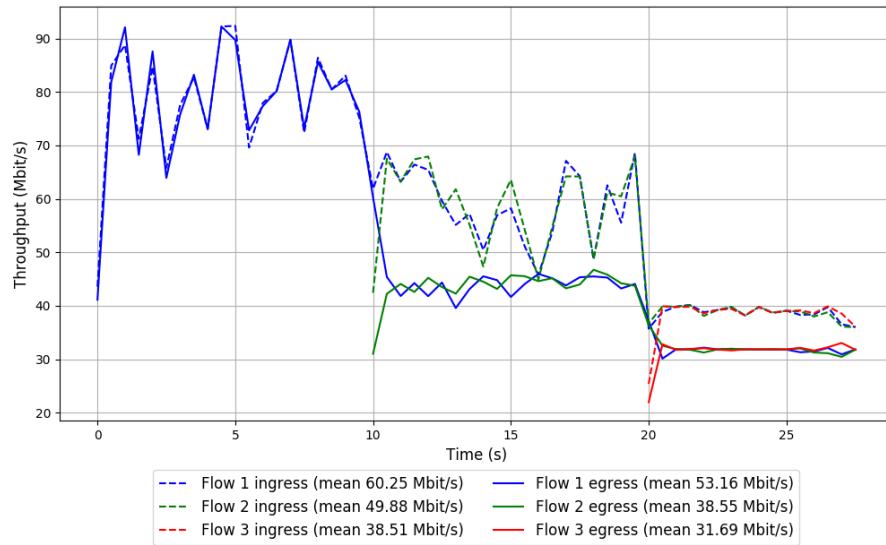


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-12-12 01:15:32
End at: 2017-12-12 01:16:02
Local clock offset: -0.055 ms
Remote clock offset: -2.241 ms

# Below is generated by plot.py at 2017-12-12 03:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 65.688 ms
Loss rate: 15.77%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 63.203 ms
Loss rate: 11.75%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 22.68%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 67.391 ms
Loss rate: 17.68%
```

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

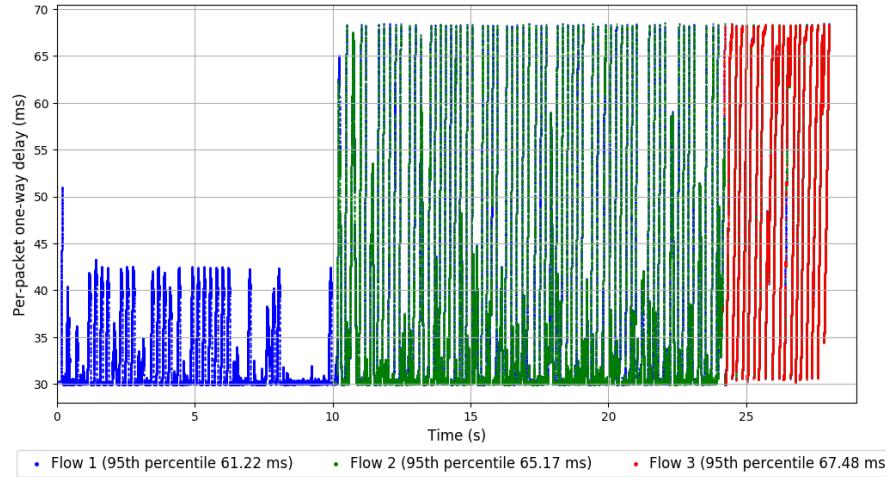
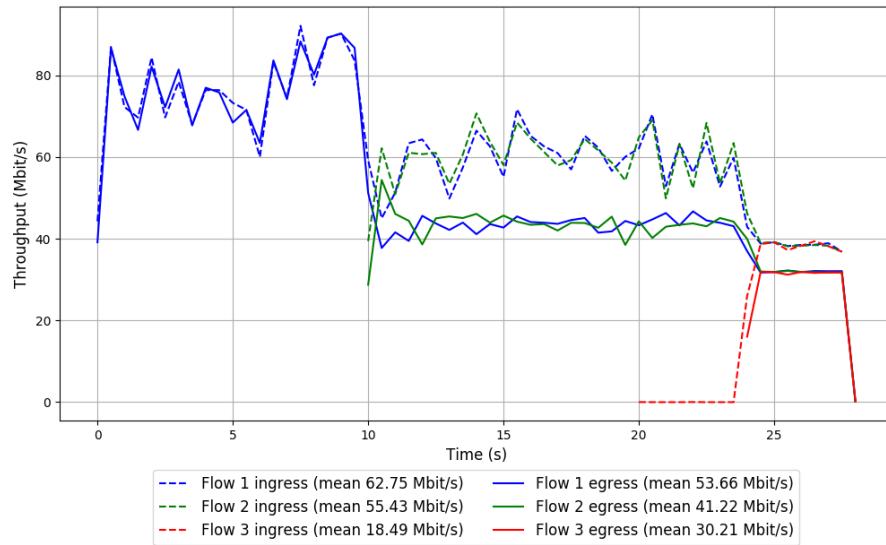


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-12-12 01:40:37
End at: 2017-12-12 01:41:07
Local clock offset: 0.099 ms
Remote clock offset: -4.029 ms

# Below is generated by plot.py at 2017-12-12 03:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 64.115 ms
Loss rate: 18.51%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 61.222 ms
Loss rate: 14.45%
-- Flow 2:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 65.170 ms
Loss rate: 25.61%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 67.480 ms
Loss rate: 18.94%
```

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

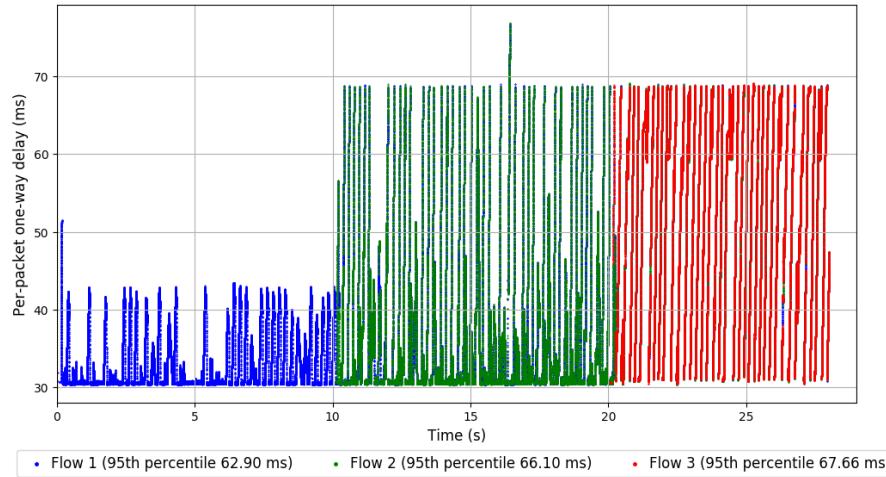
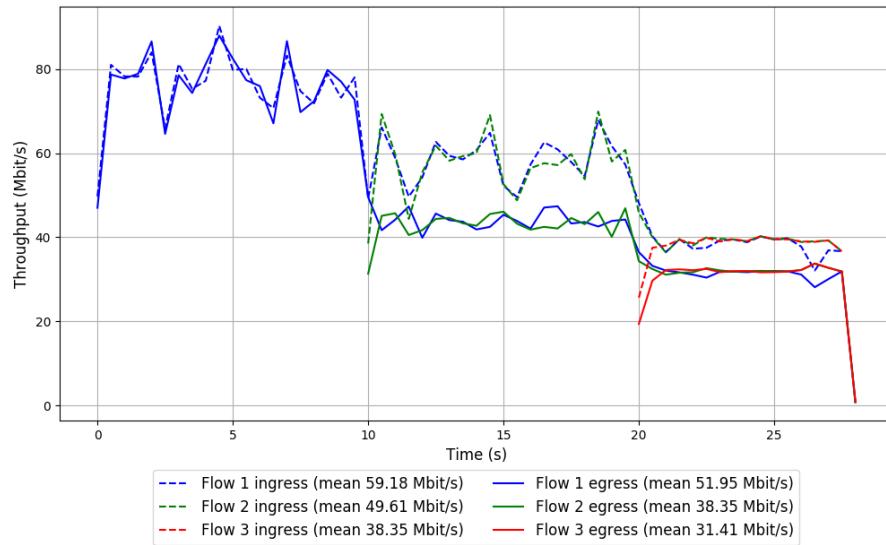


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-12-12 02:05:32
End at: 2017-12-12 02:06:02
Local clock offset: 0.756 ms
Remote clock offset: -2.935 ms

# Below is generated by plot.py at 2017-12-12 03:45:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 65.168 ms
Loss rate: 16.06%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 62.895 ms
Loss rate: 12.16%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 66.099 ms
Loss rate: 22.68%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 67.657 ms
Loss rate: 17.94%
```

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

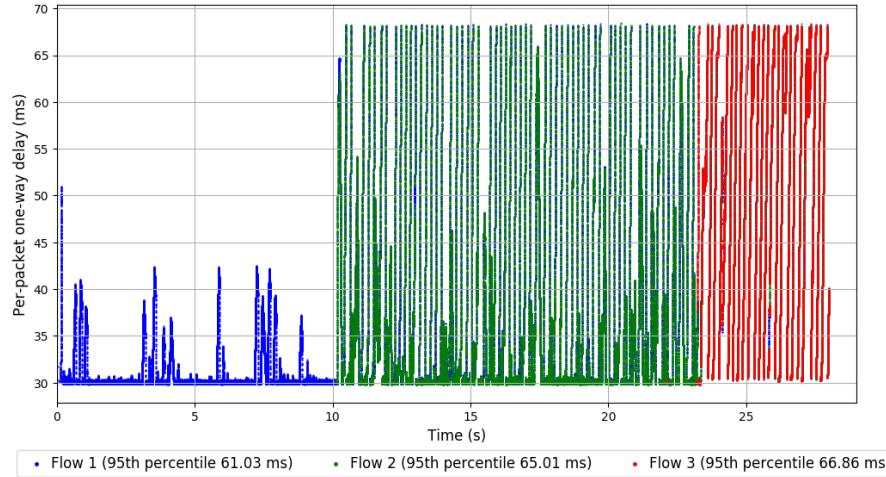
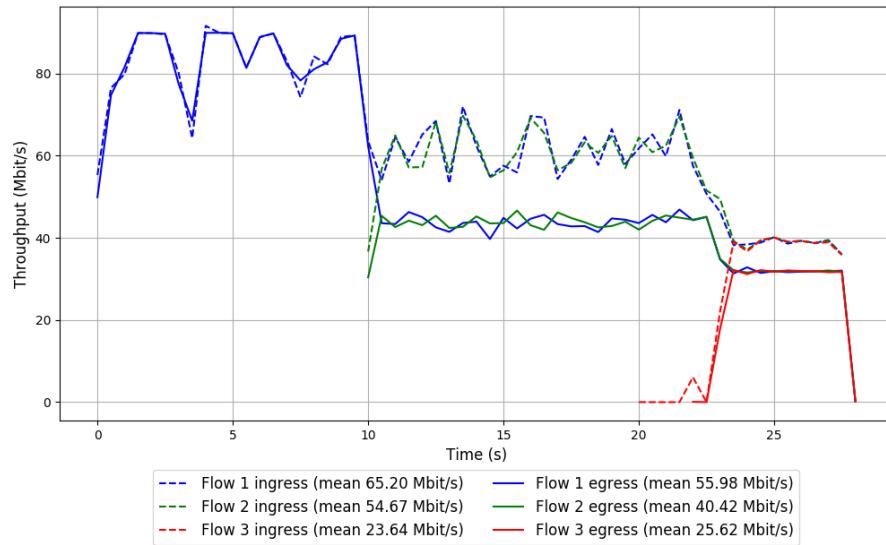


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-12-12 02:30:22
End at: 2017-12-12 02:30:52
Local clock offset: 1.243 ms
Remote clock offset: -2.496 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 64.229 ms
Loss rate: 18.32%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 61.028 ms
Loss rate: 14.13%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 65.010 ms
Loss rate: 26.03%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 66.859 ms
Loss rate: 18.83%
```

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

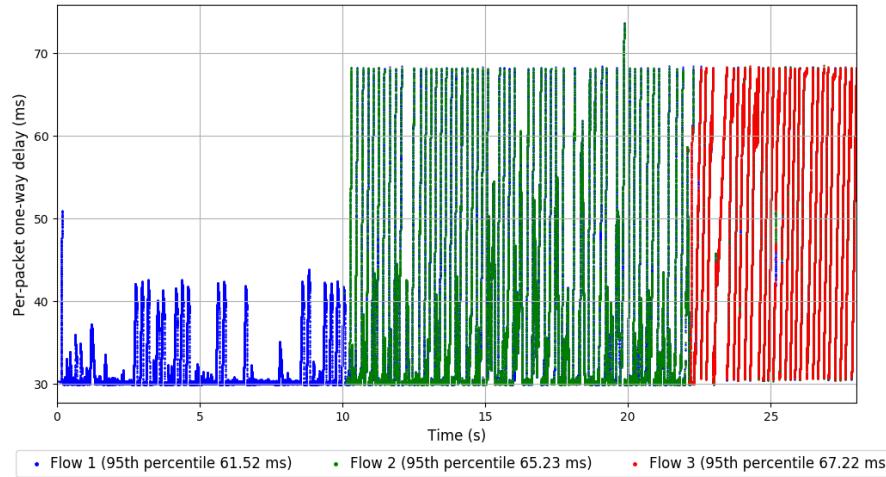
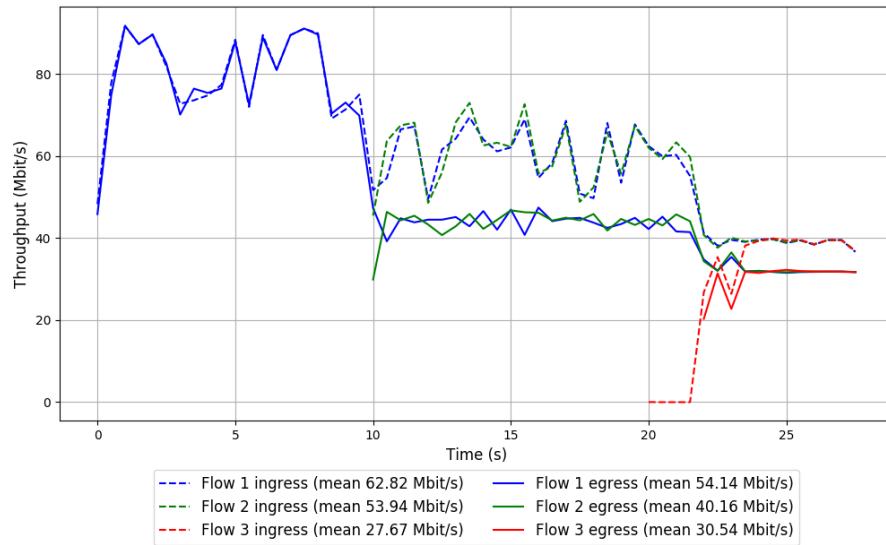


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-12-12 02:54:59
End at: 2017-12-12 02:55:29
Local clock offset: 1.361 ms
Remote clock offset: -2.234 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 64.268 ms
Loss rate: 17.98%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 61.517 ms
Loss rate: 13.81%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 65.231 ms
Loss rate: 25.58%
-- Flow 3:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 67.216 ms
Loss rate: 17.82%
```

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

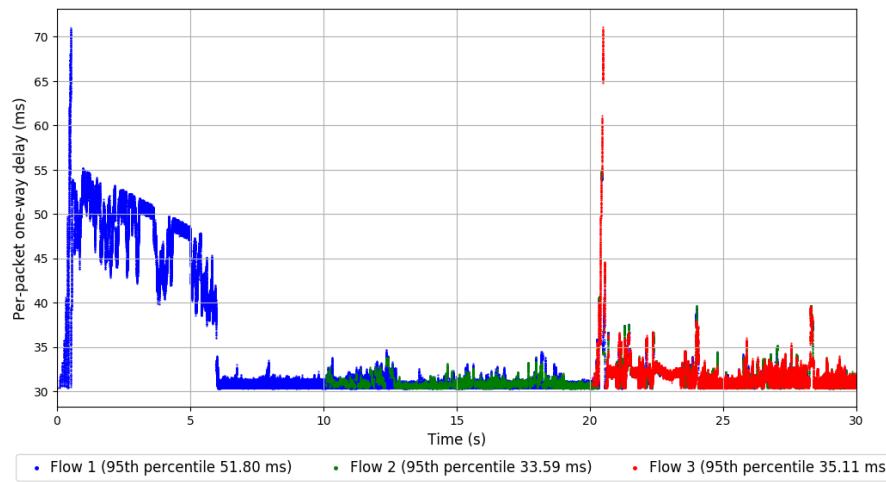
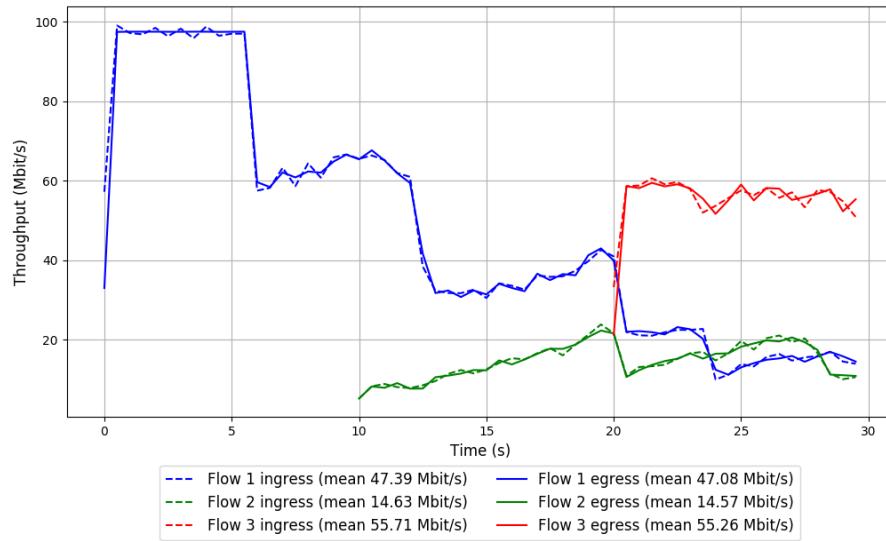


Run 1: Statistics of TCP Vegas

```
Start at: 2017-12-11 23:34:11
End at: 2017-12-11 23:34:41
Local clock offset: -0.343 ms
Remote clock offset: 2.868 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 51.226 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 33.587 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 35.114 ms
Loss rate: 0.81%
```

Run 1: Report of TCP Vegas — Data Link

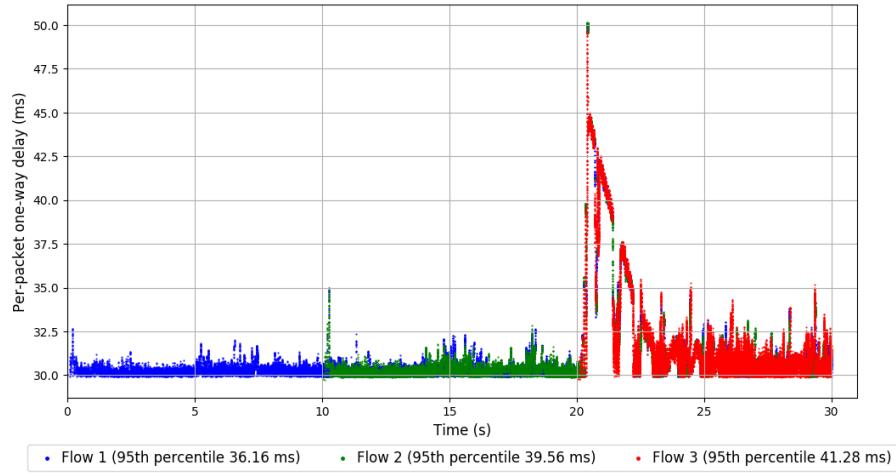
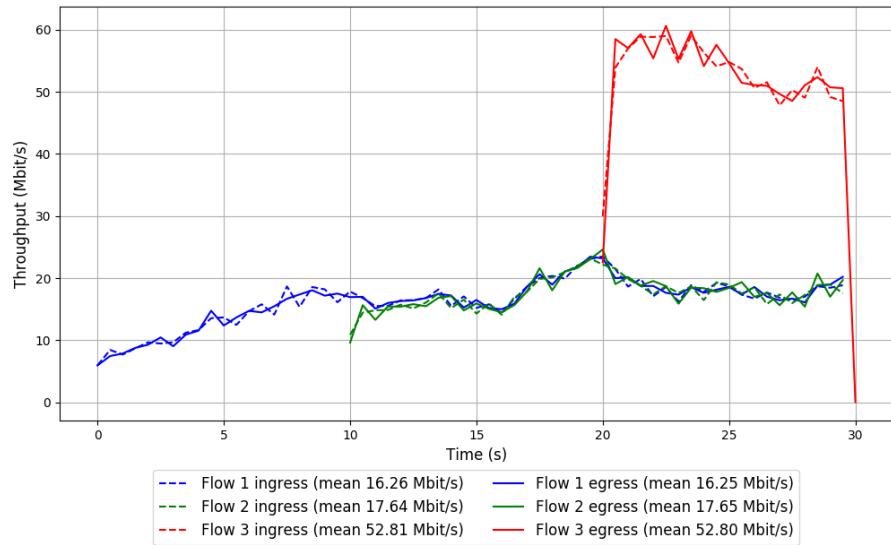


Run 2: Statistics of TCP Vegas

```
Start at: 2017-12-11 23:57:06
End at: 2017-12-11 23:57:36
Local clock offset: -0.186 ms
Remote clock offset: 2.467 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.53 Mbit/s
95th percentile per-packet one-way delay: 40.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 36.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 39.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 41.281 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

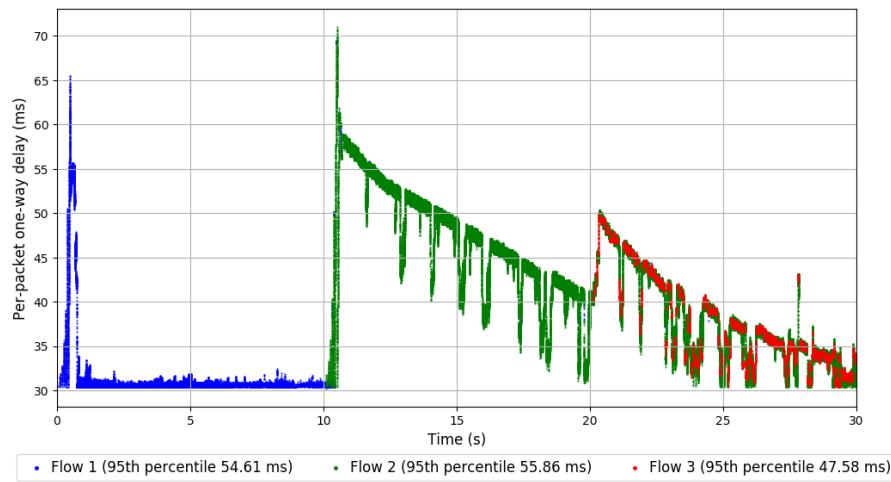
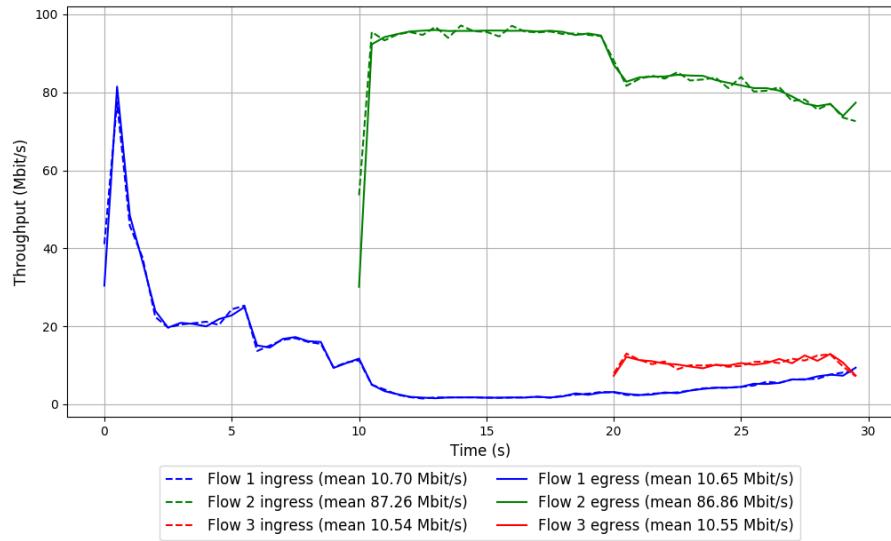


Run 3: Statistics of TCP Vegas

```
Start at: 2017-12-12 00:19:30
End at: 2017-12-12 00:20:00
Local clock offset: -0.612 ms
Remote clock offset: 2.143 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.98 Mbit/s
95th percentile per-packet one-way delay: 55.354 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 54.610 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 55.857 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 47.576 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Vegas — Data Link

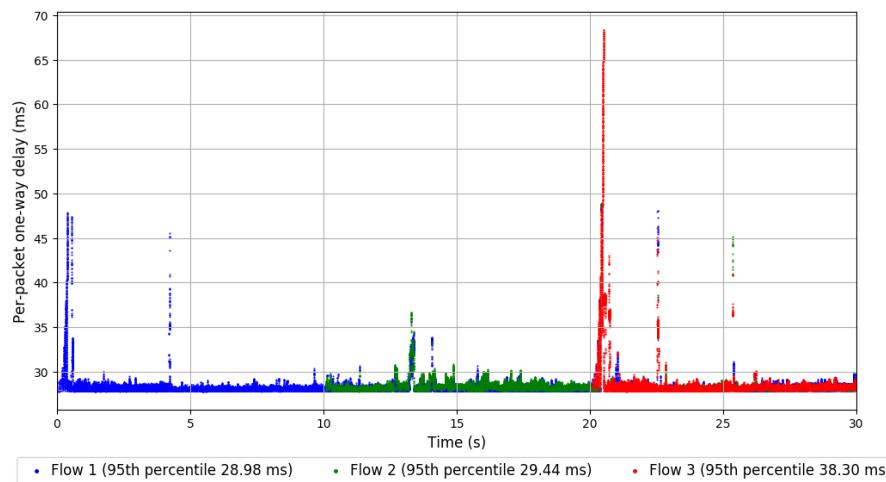
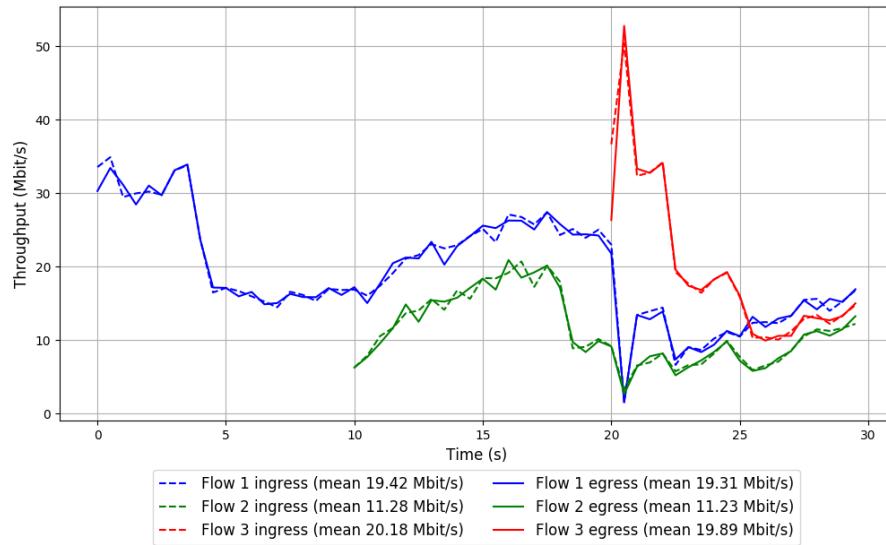


Run 4: Statistics of TCP Vegas

```
Start at: 2017-12-12 00:42:20
End at: 2017-12-12 00:42:50
Local clock offset: -0.793 ms
Remote clock offset: -1.651 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 29.886 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 28.978 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 29.440 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 38.297 ms
Loss rate: 1.44%
```

Run 4: Report of TCP Vegas — Data Link

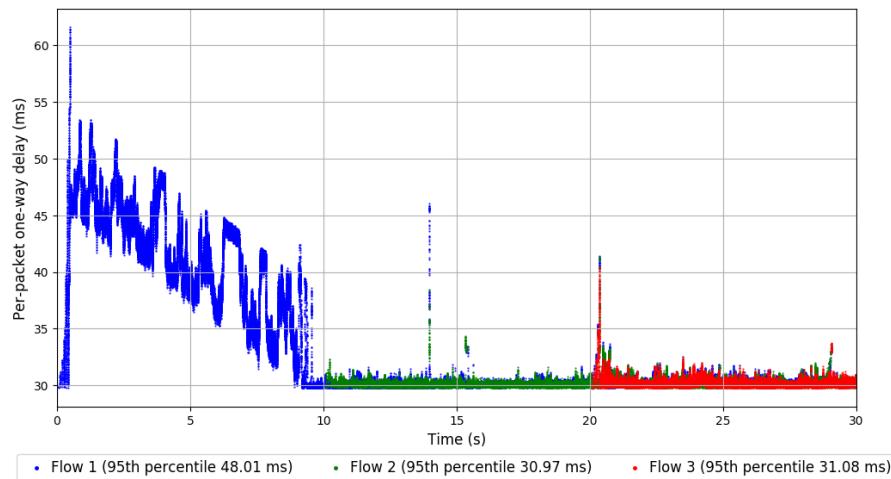
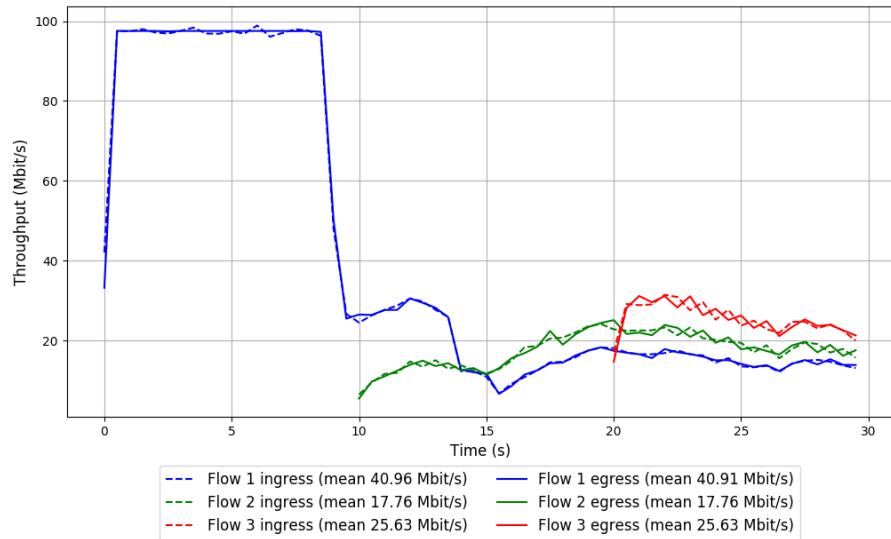


Run 5: Statistics of TCP Vegas

```
Start at: 2017-12-12 01:05:44
End at: 2017-12-12 01:06:14
Local clock offset: -0.245 ms
Remote clock offset: -1.983 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 48.010 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.63 Mbit/s
95th percentile per-packet one-way delay: 31.082 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

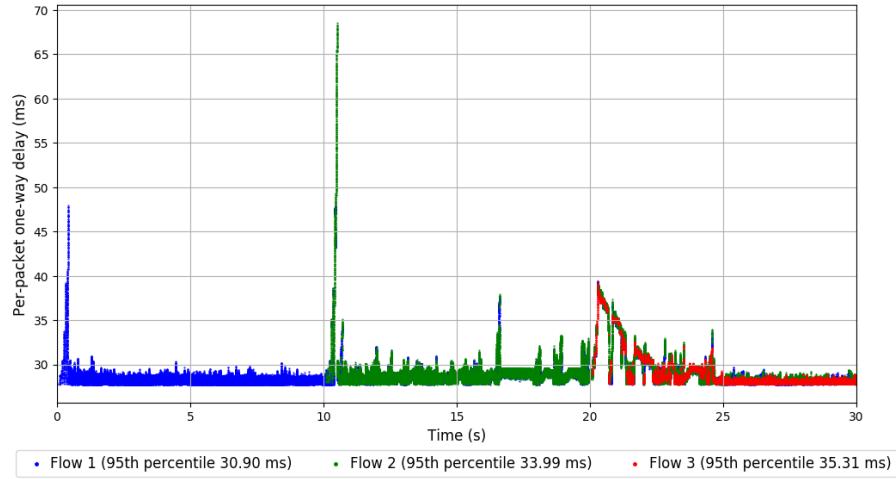
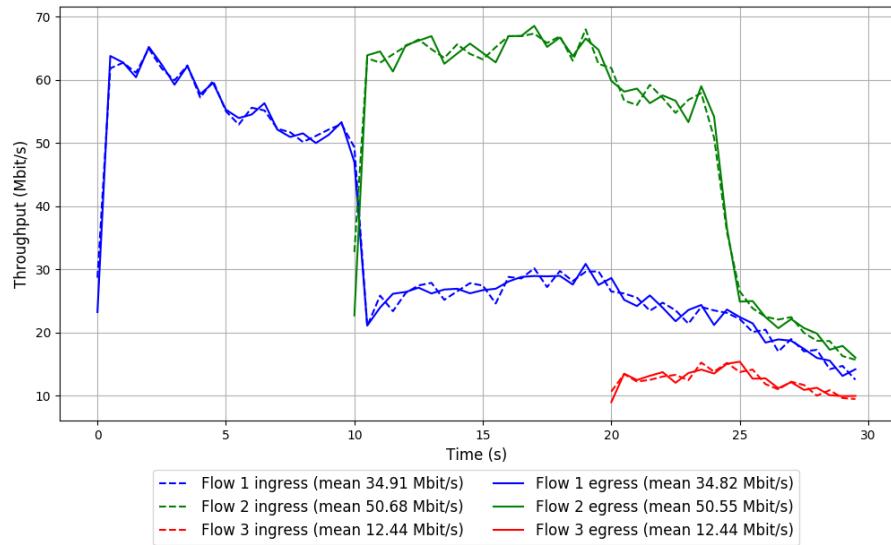


Run 6: Statistics of TCP Vegas

```
Start at: 2017-12-12 01:30:25
End at: 2017-12-12 01:30:55
Local clock offset: 0.122 ms
Remote clock offset: -5.608 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 32.911 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 30.902 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 33.994 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 35.309 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

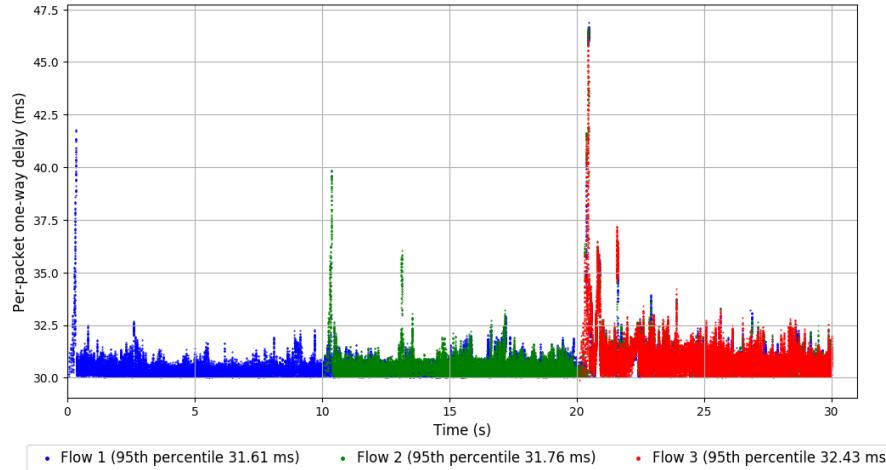
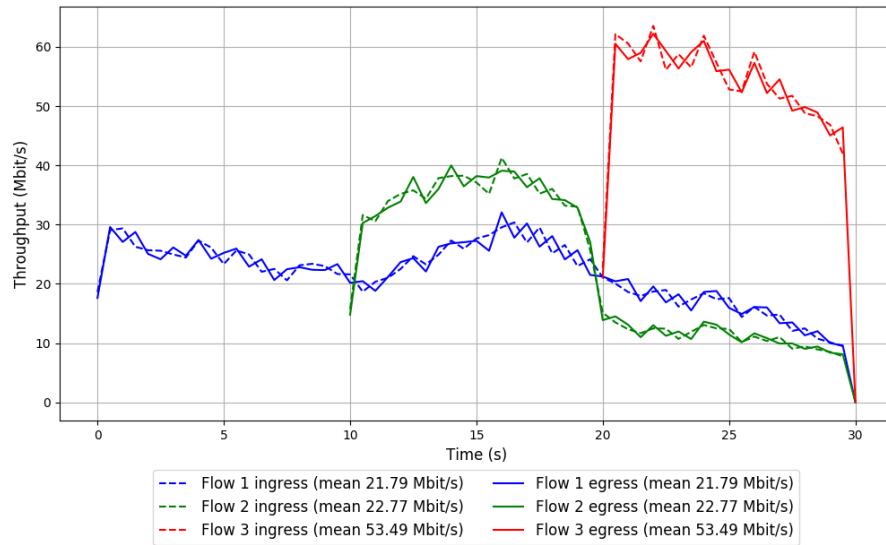


Run 7: Statistics of TCP Vegas

```
Start at: 2017-12-12 01:55:45
End at: 2017-12-12 01:56:15
Local clock offset: 0.479 ms
Remote clock offset: -3.507 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 31.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 31.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 31.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 32.427 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

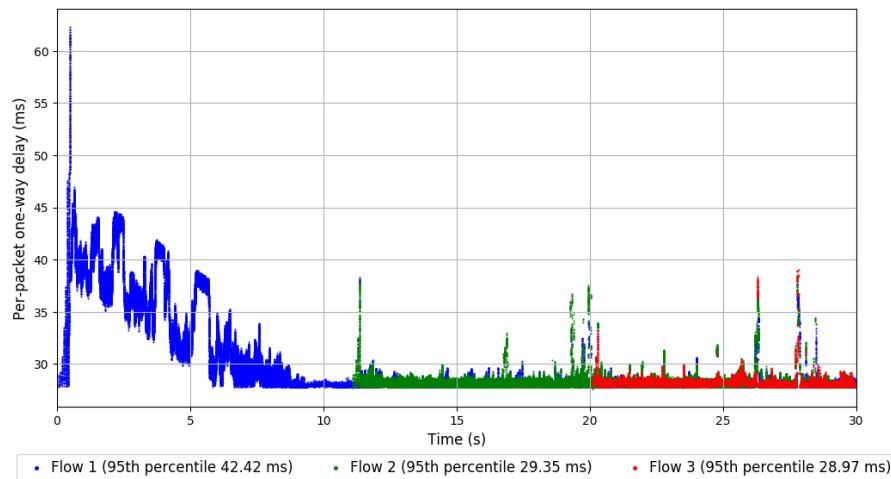
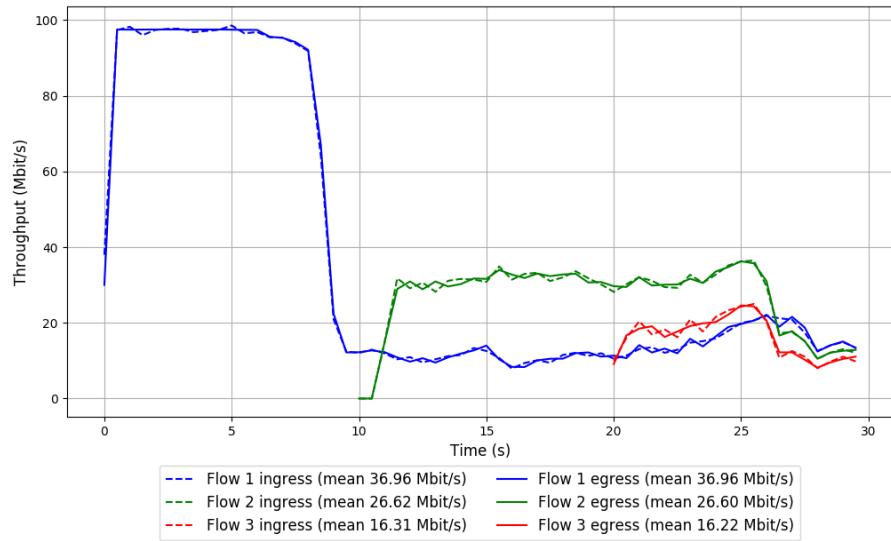


Run 8: Statistics of TCP Vegas

```
Start at: 2017-12-12 02:20:52
End at: 2017-12-12 02:21:22
Local clock offset: 1.004 ms
Remote clock offset: -4.869 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 40.971 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 42.424 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 29.346 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 16.22 Mbit/s
95th percentile per-packet one-way delay: 28.966 ms
Loss rate: 0.52%
```

Run 8: Report of TCP Vegas — Data Link

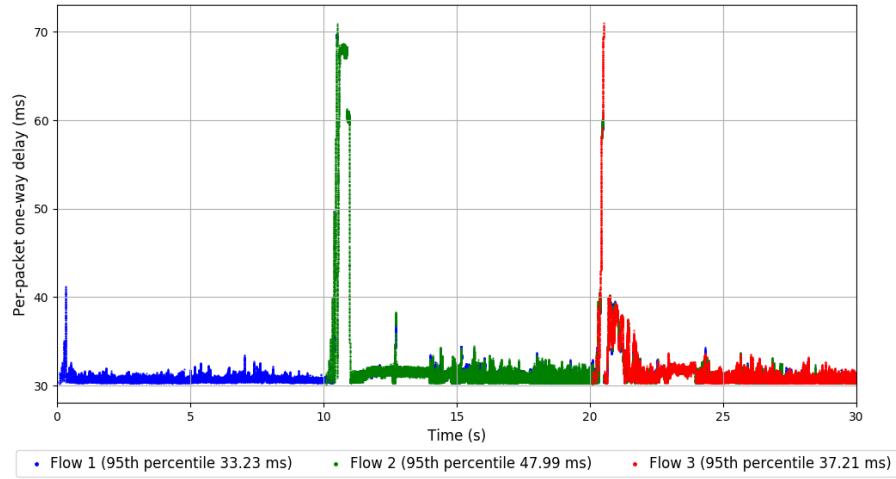
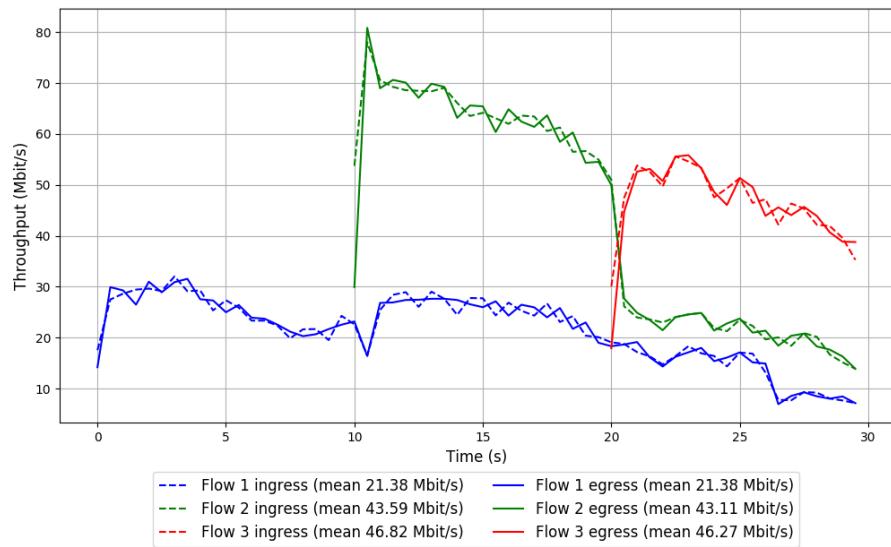


Run 9: Statistics of TCP Vegas

```
Start at: 2017-12-12 02:45:25
End at: 2017-12-12 02:45:55
Local clock offset: 1.268 ms
Remote clock offset: -1.934 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.39 Mbit/s
95th percentile per-packet one-way delay: 37.475 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 33.234 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 47.986 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 37.208 ms
Loss rate: 1.18%
```

Run 9: Report of TCP Vegas — Data Link

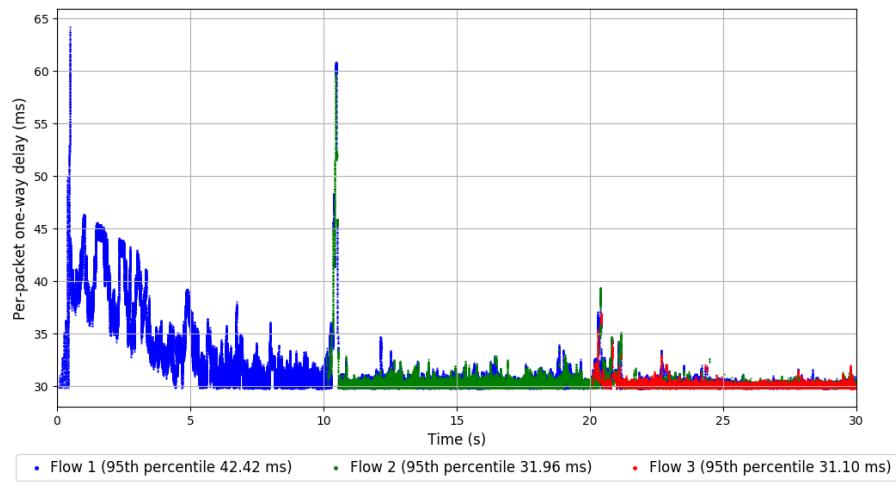
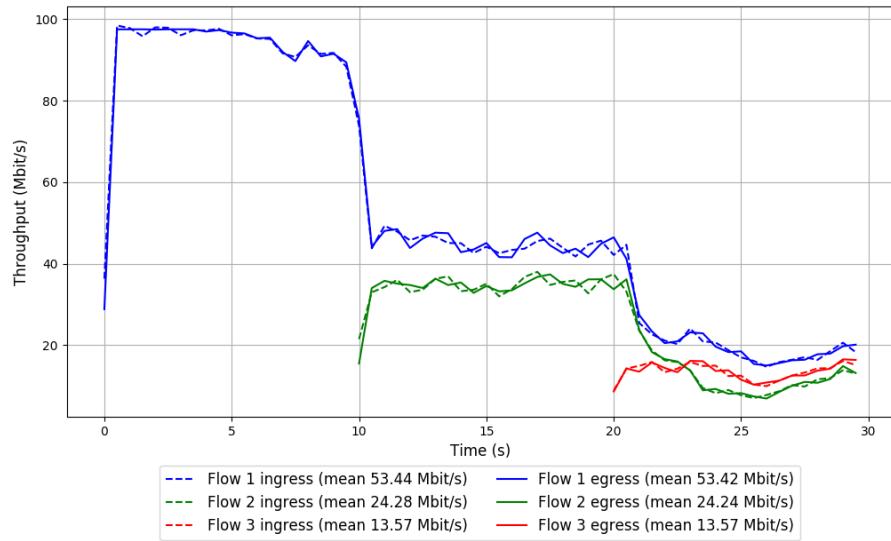


Run 10: Statistics of TCP Vegas

```
Start at: 2017-12-12 03:09:46
End at: 2017-12-12 03:10:16
Local clock offset: 1.412 ms
Remote clock offset: -2.148 ms

# Below is generated by plot.py at 2017-12-12 03:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 41.224 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 42.419 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 31.104 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

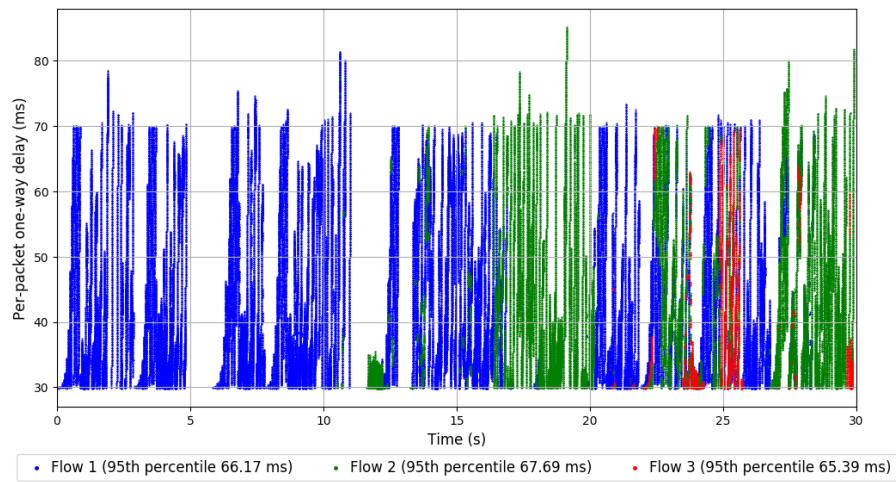
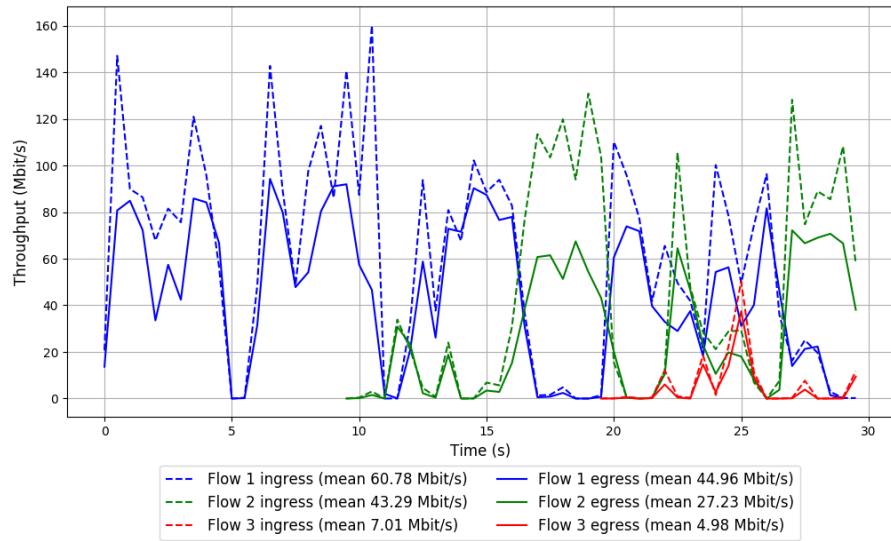


Run 1: Statistics of Verus

```
Start at: 2017-12-11 23:27:51
End at: 2017-12-11 23:28:21
Local clock offset: -0.333 ms
Remote clock offset: 2.339 ms

# Below is generated by plot.py at 2017-12-12 03:47:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.13 Mbit/s
95th percentile per-packet one-way delay: 66.613 ms
Loss rate: 29.67%
-- Flow 1:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 66.172 ms
Loss rate: 26.18%
-- Flow 2:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 67.691 ms
Loss rate: 36.98%
-- Flow 3:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 65.392 ms
Loss rate: 29.05%
```

Run 1: Report of Verus — Data Link

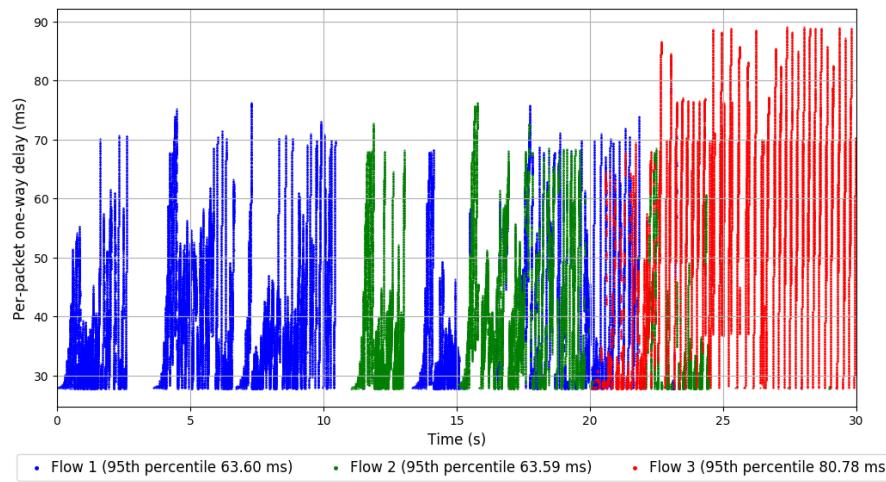
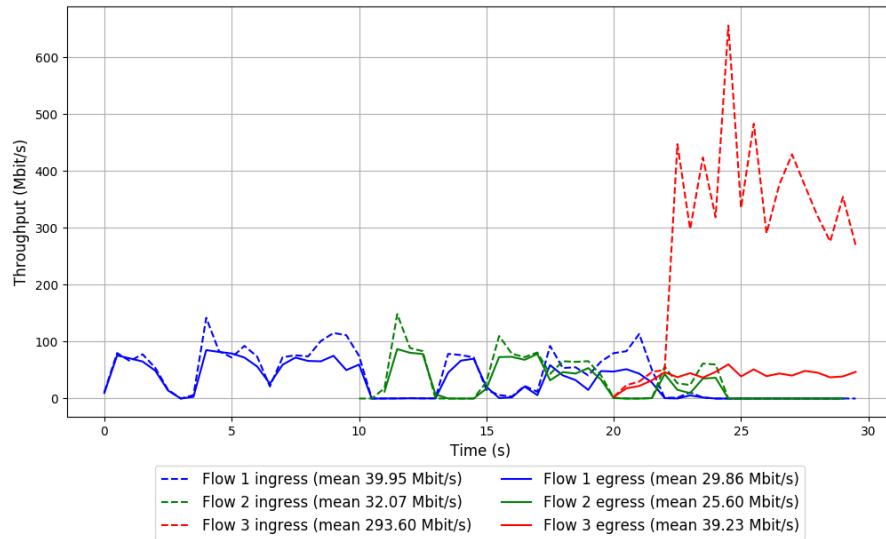


Run 2: Statistics of Verus

```
Start at: 2017-12-11 23:50:09
End at: 2017-12-11 23:50:39
Local clock offset: -0.171 ms
Remote clock offset: 0.537 ms

# Below is generated by plot.py at 2017-12-12 03:48:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 69.267 ms
Loss rate: 63.26%
-- Flow 1:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 63.598 ms
Loss rate: 26.07%
-- Flow 2:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 63.593 ms
Loss rate: 24.20%
-- Flow 3:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 80.777 ms
Loss rate: 86.60%
```

Run 2: Report of Verus — Data Link

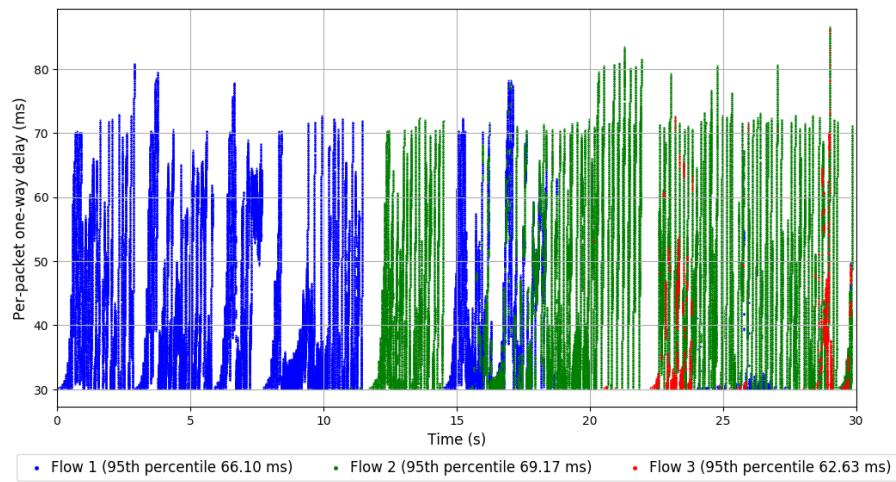
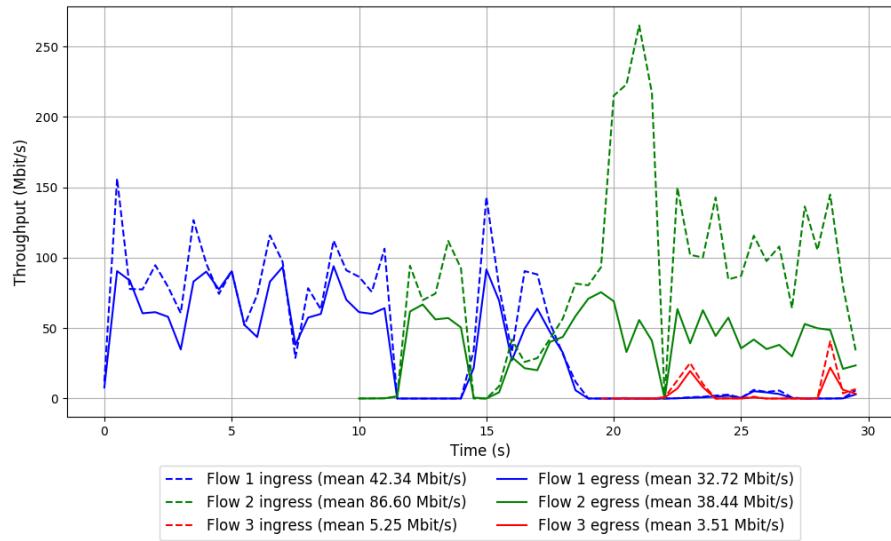


Run 3: Statistics of Verus

```
Start at: 2017-12-12 00:12:52
End at: 2017-12-12 00:13:22
Local clock offset: -0.355 ms
Remote clock offset: 2.295 ms

# Below is generated by plot.py at 2017-12-12 03:48:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 67.762 ms
Loss rate: 41.42%
-- Flow 1:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 66.104 ms
Loss rate: 22.87%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 69.165 ms
Loss rate: 55.52%
-- Flow 3:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 62.635 ms
Loss rate: 33.62%
```

Run 3: Report of Verus — Data Link

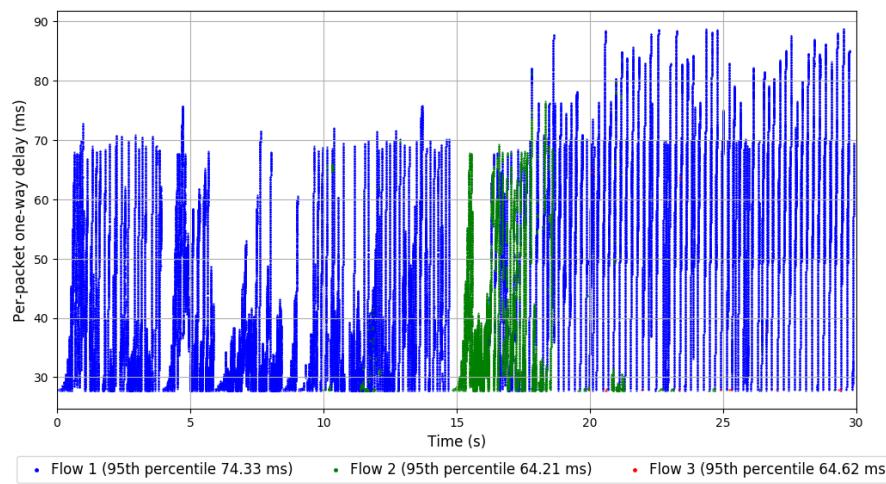
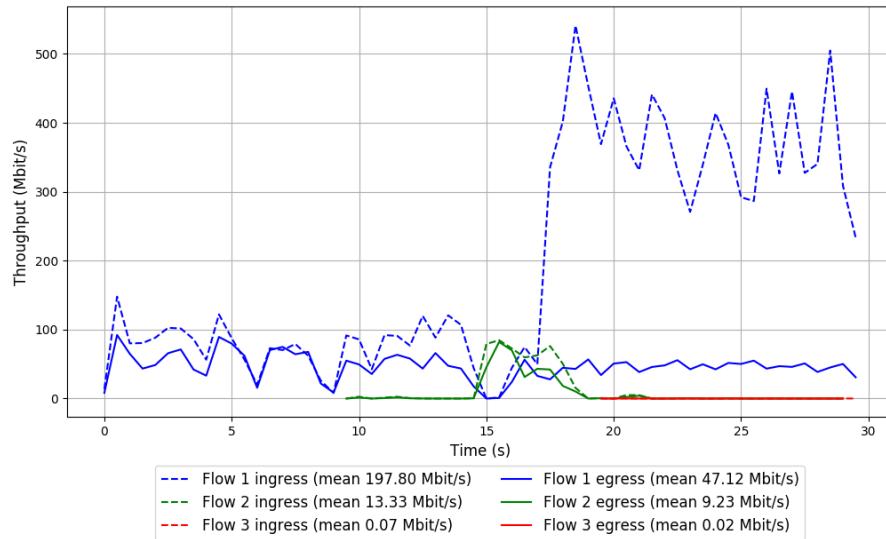


Run 4: Statistics of Verus

```
Start at: 2017-12-12 00:35:13
End at: 2017-12-12 00:35:43
Local clock offset: -0.715 ms
Remote clock offset: -1.071 ms

# Below is generated by plot.py at 2017-12-12 03:48:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 73.370 ms
Loss rate: 74.29%
-- Flow 1:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 74.325 ms
Loss rate: 76.16%
-- Flow 2:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 64.213 ms
Loss rate: 31.90%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 64.623 ms
Loss rate: 64.81%
```

Run 4: Report of Verus — Data Link

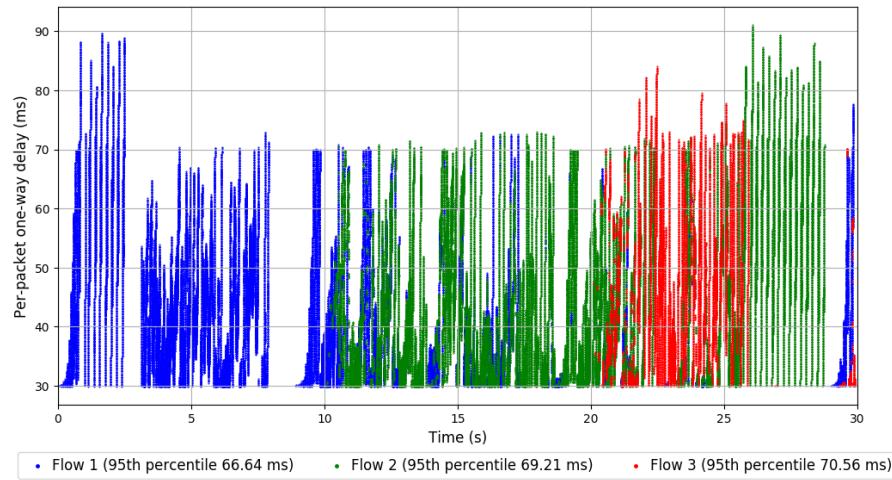
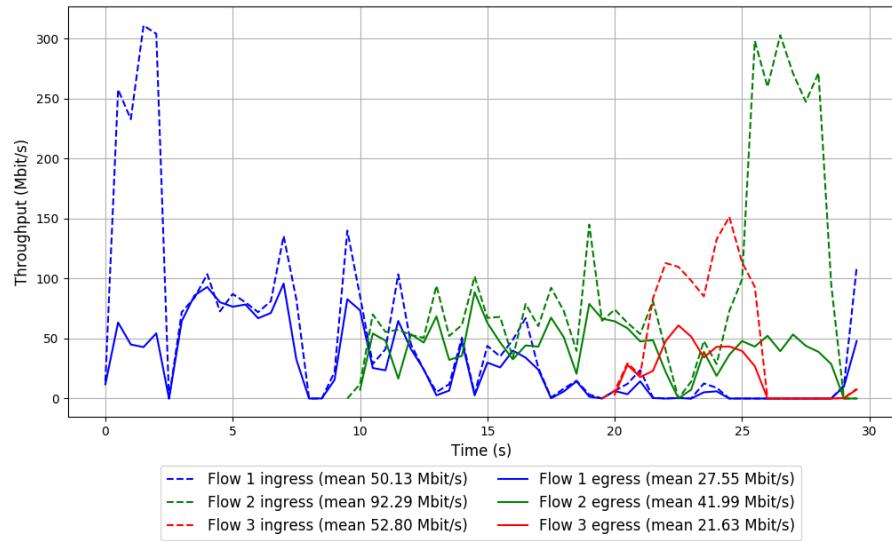


Run 5: Statistics of Verus

```
Start at: 2017-12-12 00:58:15
End at: 2017-12-12 00:58:45
Local clock offset: -0.51 ms
Remote clock offset: -1.262 ms

# Below is generated by plot.py at 2017-12-12 03:48:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 68.568 ms
Loss rate: 51.47%
-- Flow 1:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 66.635 ms
Loss rate: 44.96%
-- Flow 2:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 69.206 ms
Loss rate: 54.63%
-- Flow 3:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 70.562 ms
Loss rate: 59.03%
```

Run 5: Report of Verus — Data Link

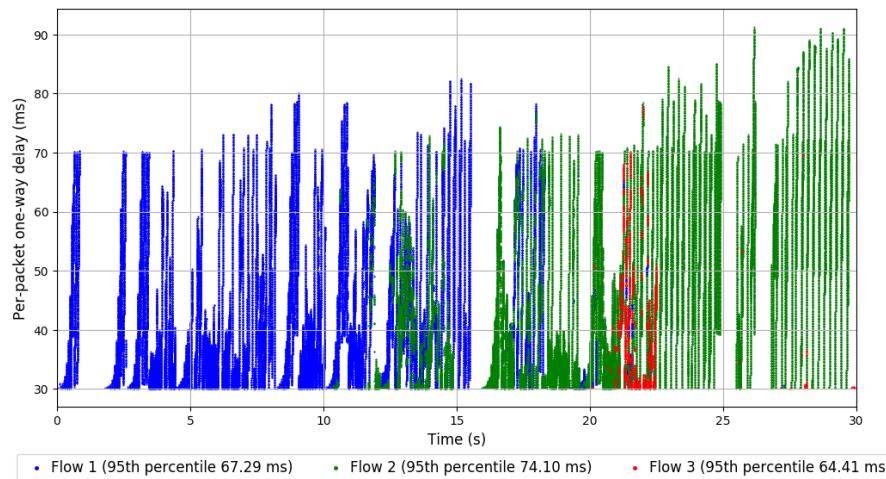
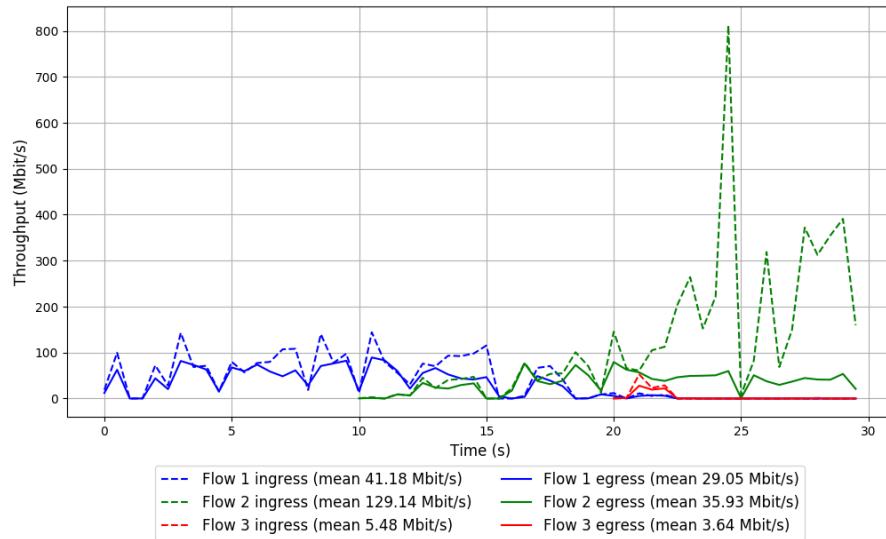


Run 6: Statistics of Verus

```
Start at: 2017-12-12 01:22:53
End at: 2017-12-12 01:23:23
Local clock offset: -0.06 ms
Remote clock offset: -2.955 ms

# Below is generated by plot.py at 2017-12-12 03:48:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 70.055 ms
Loss rate: 57.74%
-- Flow 1:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 67.286 ms
Loss rate: 29.47%
-- Flow 2:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 74.097 ms
Loss rate: 72.15%
-- Flow 3:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 64.414 ms
Loss rate: 33.52%
```

Run 6: Report of Verus — Data Link

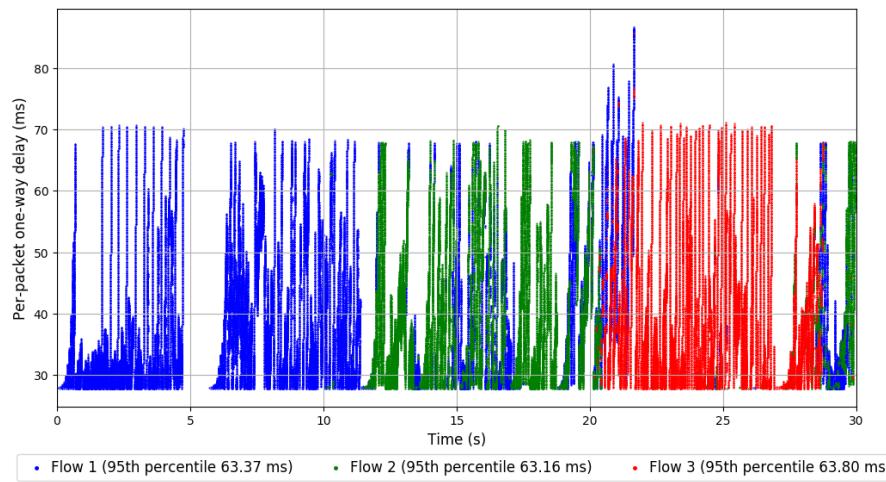
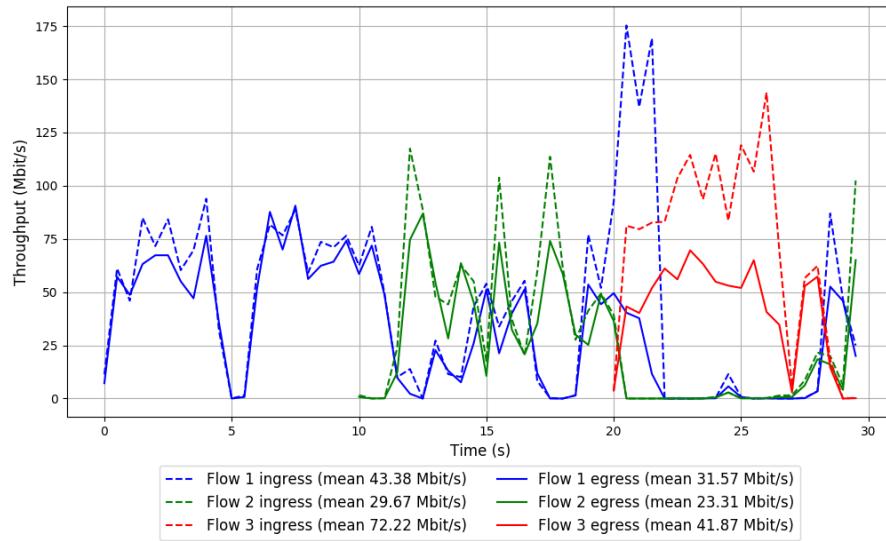


Run 7: Statistics of Verus

```
Start at: 2017-12-12 01:47:50
End at: 2017-12-12 01:48:20
Local clock offset: 0.258 ms
Remote clock offset: -5.897 ms

# Below is generated by plot.py at 2017-12-12 03:48:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 63.393 ms
Loss rate: 30.09%
-- Flow 1:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 27.17%
-- Flow 2:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 63.164 ms
Loss rate: 21.44%
-- Flow 3:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 63.805 ms
Loss rate: 42.57%
```

Run 7: Report of Verus — Data Link

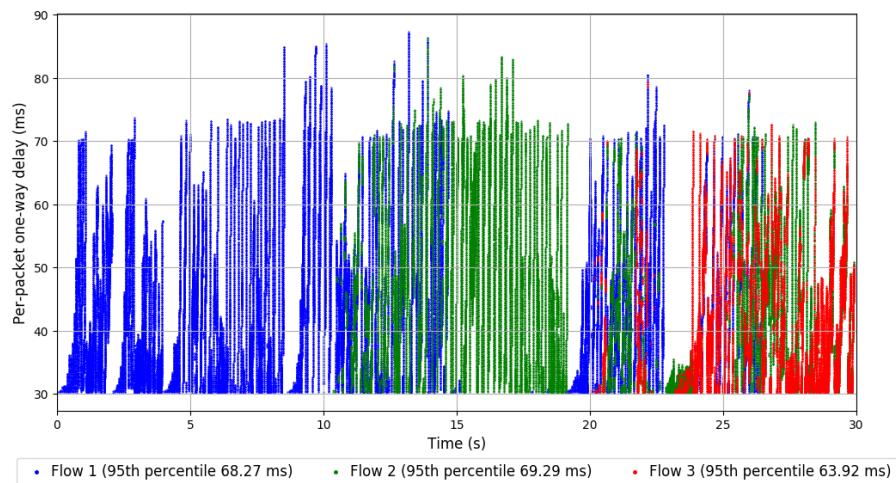
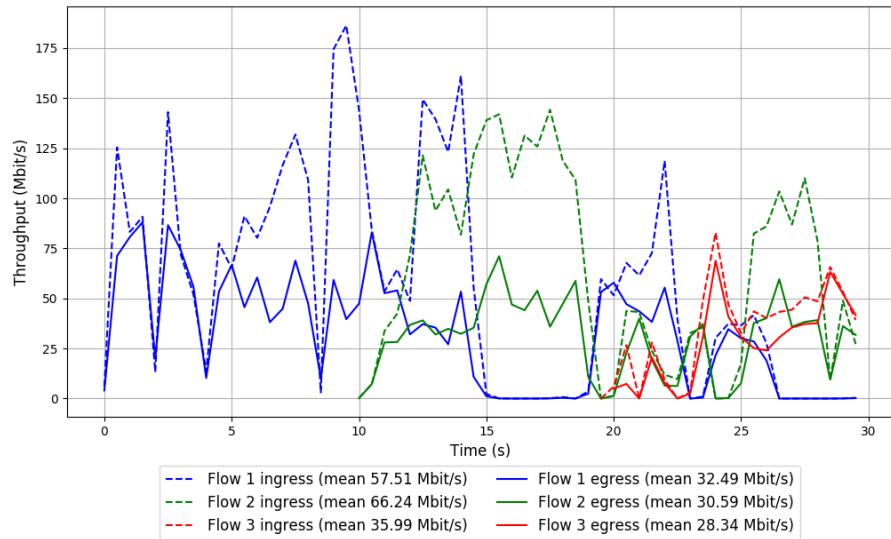


Run 8: Statistics of Verus

```
Start at: 2017-12-12 02:12:57
End at: 2017-12-12 02:13:27
Local clock offset: 0.955 ms
Remote clock offset: -2.751 ms

# Below is generated by plot.py at 2017-12-12 03:48:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 68.281 ms
Loss rate: 45.22%
-- Flow 1:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 68.273 ms
Loss rate: 43.62%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 69.286 ms
Loss rate: 53.87%
-- Flow 3:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 21.30%
```

Run 8: Report of Verus — Data Link

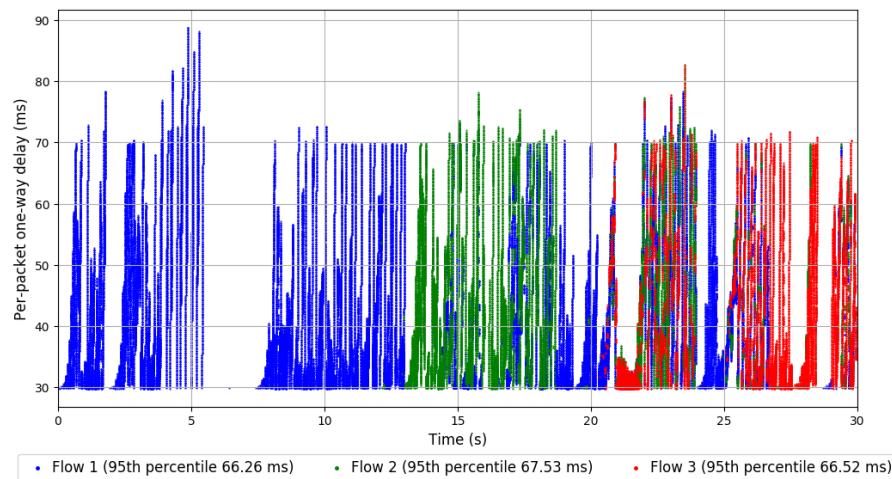
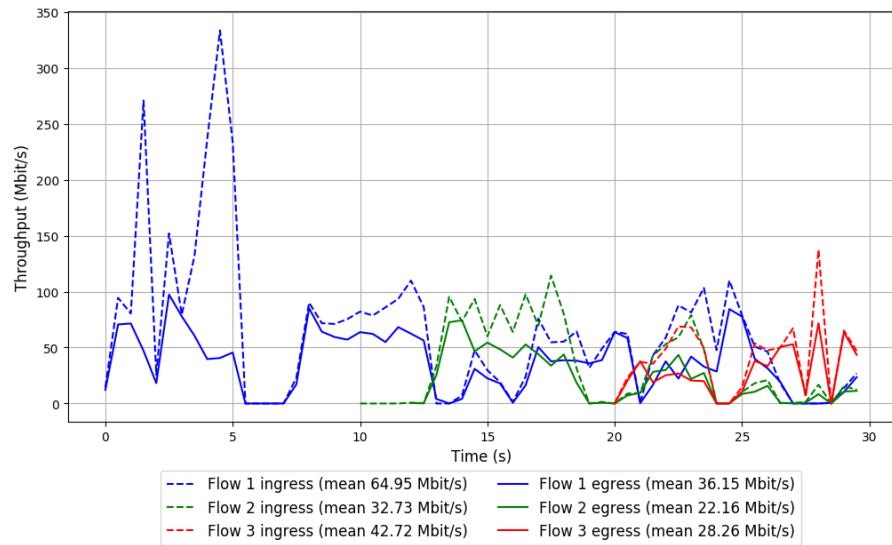


Run 9: Statistics of Verus

```
Start at: 2017-12-12 02:37:30
End at: 2017-12-12 02:38:00
Local clock offset: 1.283 ms
Remote clock offset: -2.373 ms

# Below is generated by plot.py at 2017-12-12 03:48:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 66.678 ms
Loss rate: 41.73%
-- Flow 1:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 66.261 ms
Loss rate: 44.30%
-- Flow 2:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 67.534 ms
Loss rate: 39.07%
-- Flow 3:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 66.523 ms
Loss rate: 33.82%
```

Run 9: Report of Verus — Data Link

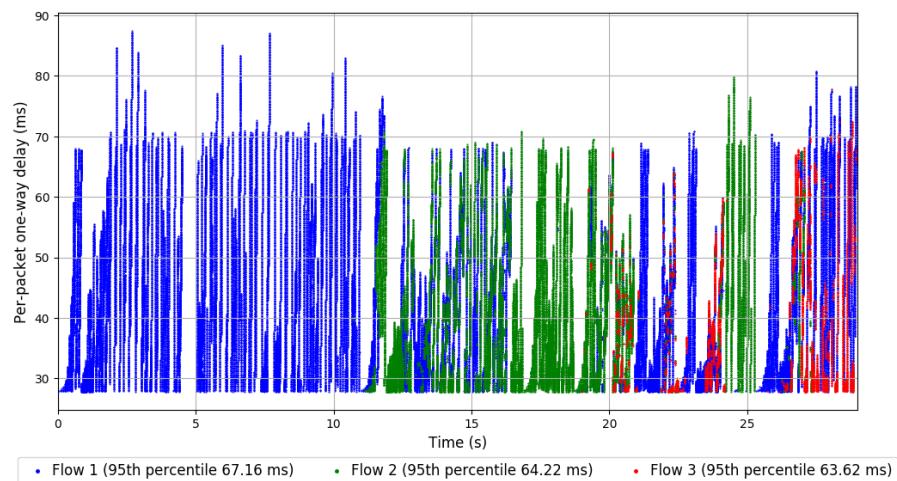
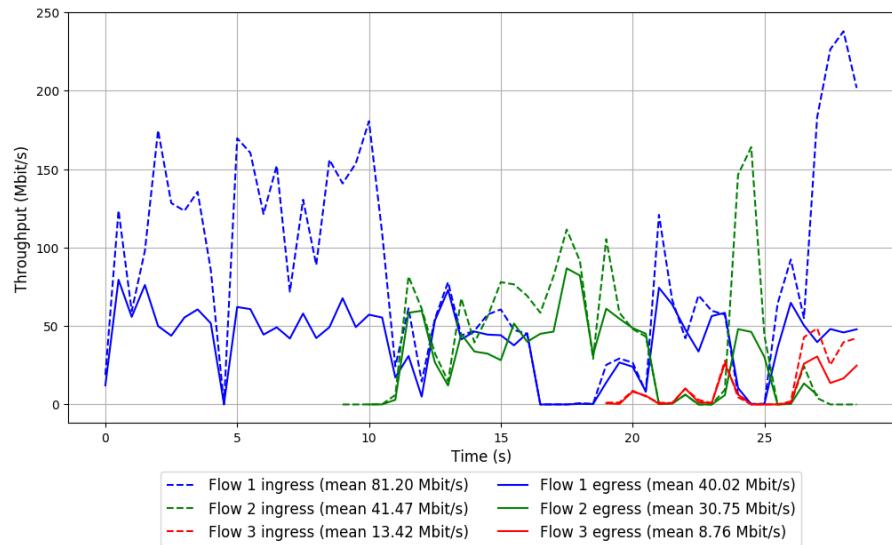


Run 10: Statistics of Verus

```
Start at: 2017-12-12 03:02:32
End at: 2017-12-12 03:03:02
Local clock offset: 1.423 ms
Remote clock offset: -4.223 ms

# Below is generated by plot.py at 2017-12-12 03:48:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 66.191 ms
Loss rate: 46.12%
-- Flow 1:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 67.158 ms
Loss rate: 50.66%
-- Flow 2:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 64.219 ms
Loss rate: 34.82%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 63.616 ms
Loss rate: 34.58%
```

Run 10: Report of Verus — Data Link

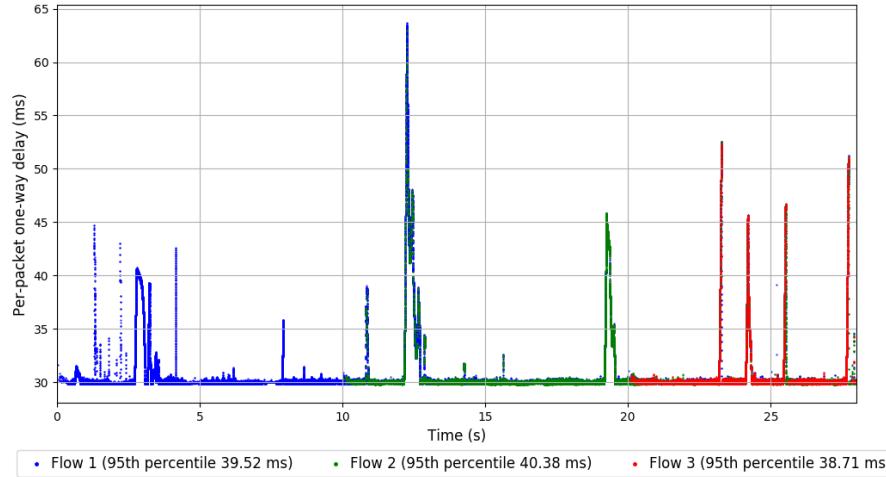
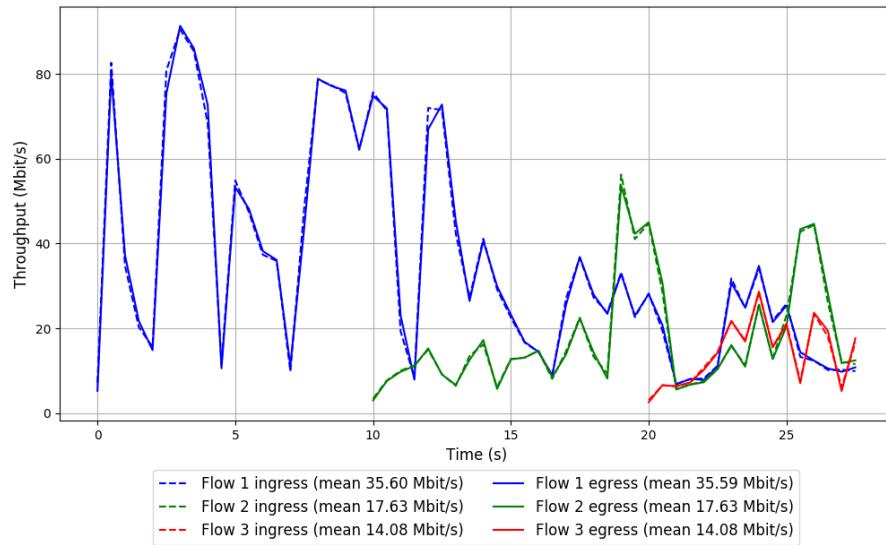


Run 1: Statistics of Copa

```
Start at: 2017-12-11 23:35:43
End at: 2017-12-11 23:36:13
Local clock offset: -0.221 ms
Remote clock offset: 2.446 ms

# Below is generated by plot.py at 2017-12-12 03:49:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 39.548 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 39.516 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 40.375 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 38.709 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

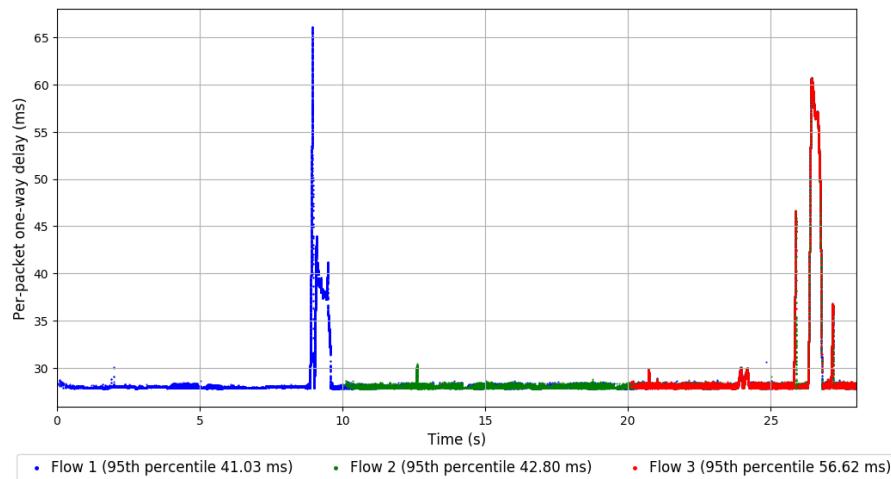
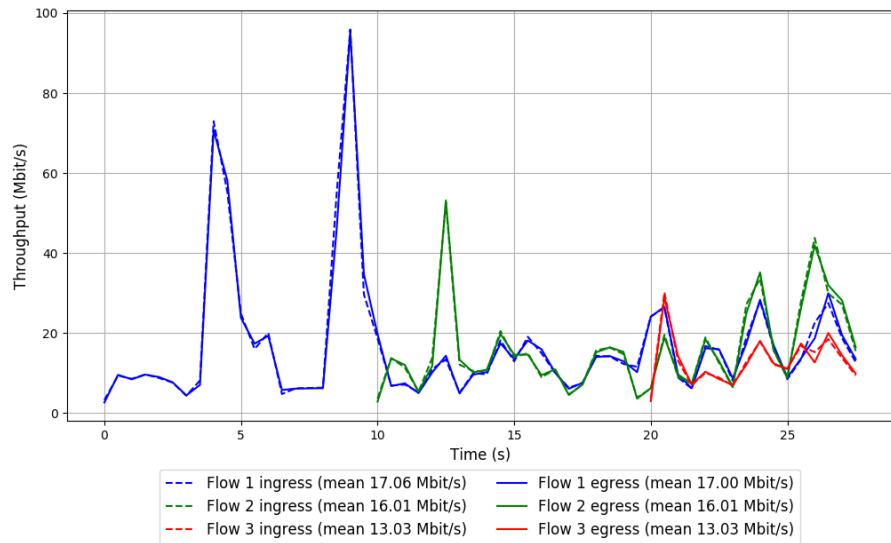


Run 2: Statistics of Copa

```
Start at: 2017-12-11 23:58:41
End at: 2017-12-11 23:59:11
Local clock offset: -0.101 ms
Remote clock offset: 0.42 ms

# Below is generated by plot.py at 2017-12-12 03:49:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 43.585 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 41.030 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 42.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 56.616 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

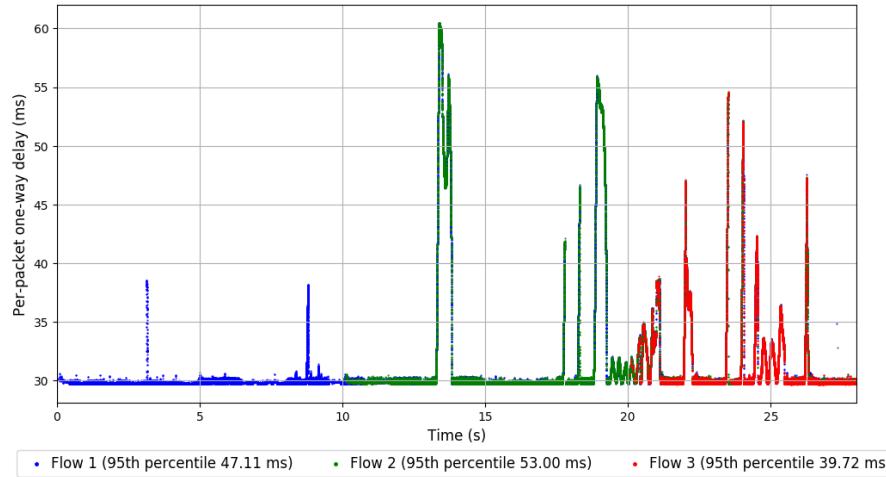
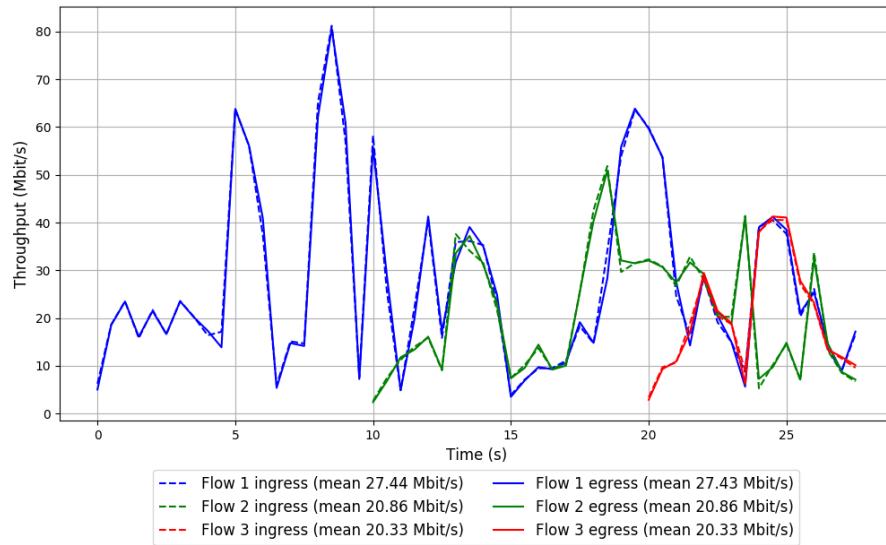


Run 3: Statistics of Copa

```
Start at: 2017-12-12 00:21:06
End at: 2017-12-12 00:21:36
Local clock offset: -0.551 ms
Remote clock offset: 1.518 ms

# Below is generated by plot.py at 2017-12-12 03:49:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 48.610 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 47.111 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 52.998 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 39.716 ms
Loss rate: 0.04%
```

Run 3: Report of Copa — Data Link

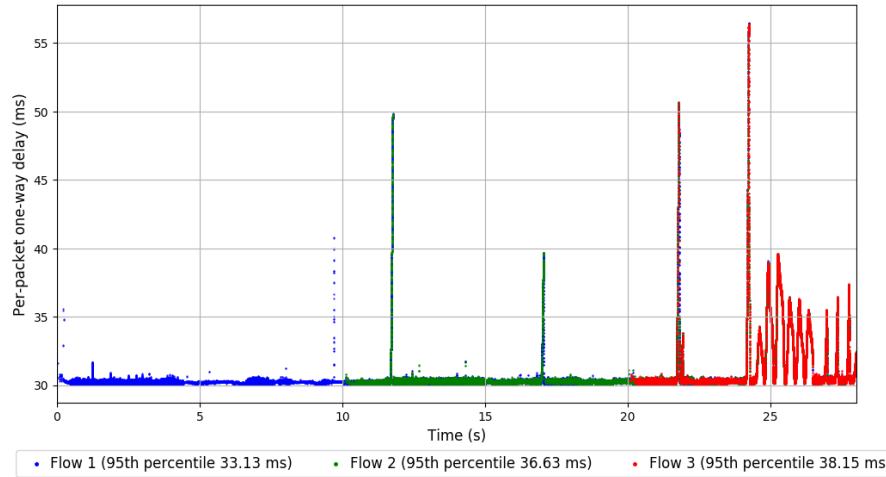
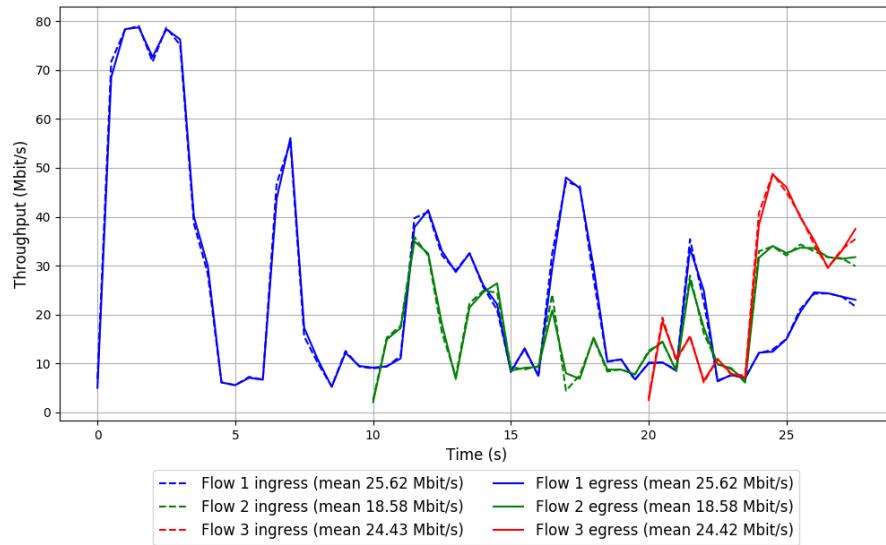


Run 4: Statistics of Copa

```
Start at: 2017-12-12 00:43:51
End at: 2017-12-12 00:44:21
Local clock offset: -0.678 ms
Remote clock offset: 0.458 ms

# Below is generated by plot.py at 2017-12-12 03:49:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 35.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 33.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 36.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 38.149 ms
Loss rate: 0.02%
```

Run 4: Report of Copa — Data Link

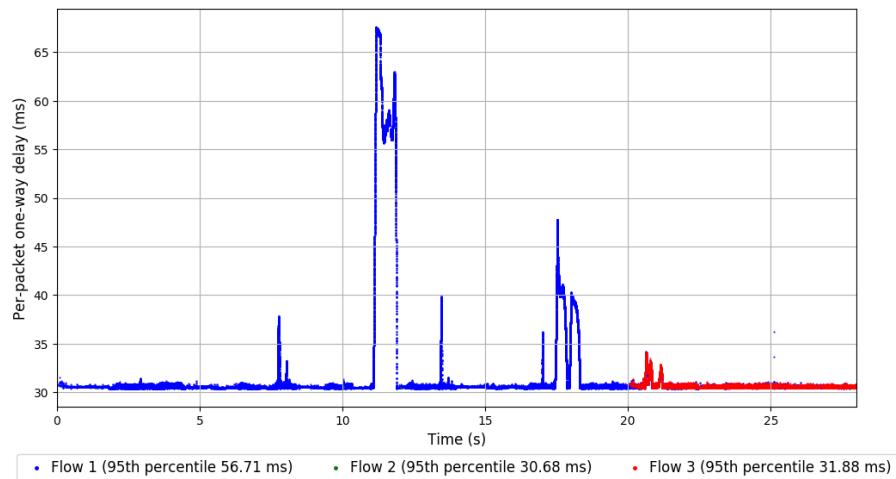
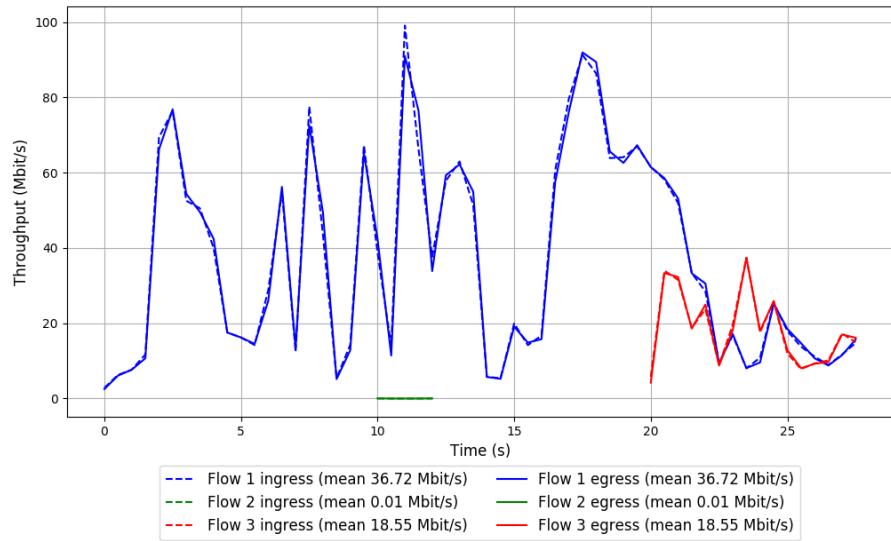


Run 5: Statistics of Copa

```
Start at: 2017-12-12 01:07:26
End at: 2017-12-12 01:07:57
Local clock offset: -0.295 ms
Remote clock offset: -1.568 ms

# Below is generated by plot.py at 2017-12-12 03:49:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 56.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 56.710 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 30.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 31.881 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

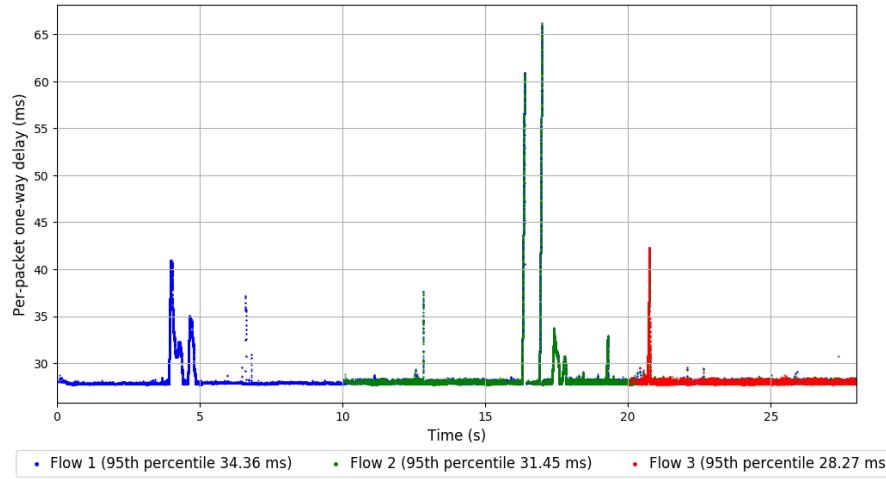
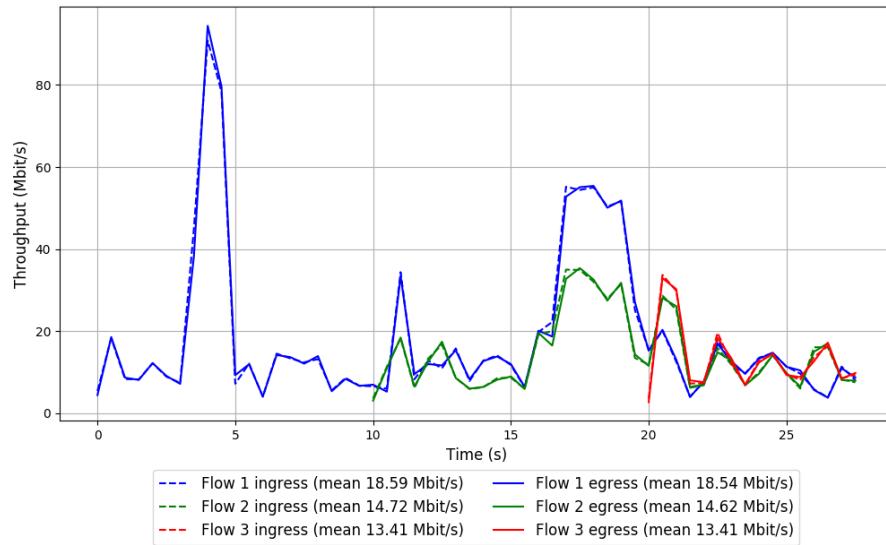


Run 6: Statistics of Copa

```
Start at: 2017-12-12 01:32:09
End at: 2017-12-12 01:32:39
Local clock offset: 0.123 ms
Remote clock offset: -5.724 ms

# Below is generated by plot.py at 2017-12-12 03:49:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 33.095 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 34.364 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 31.445 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 28.275 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

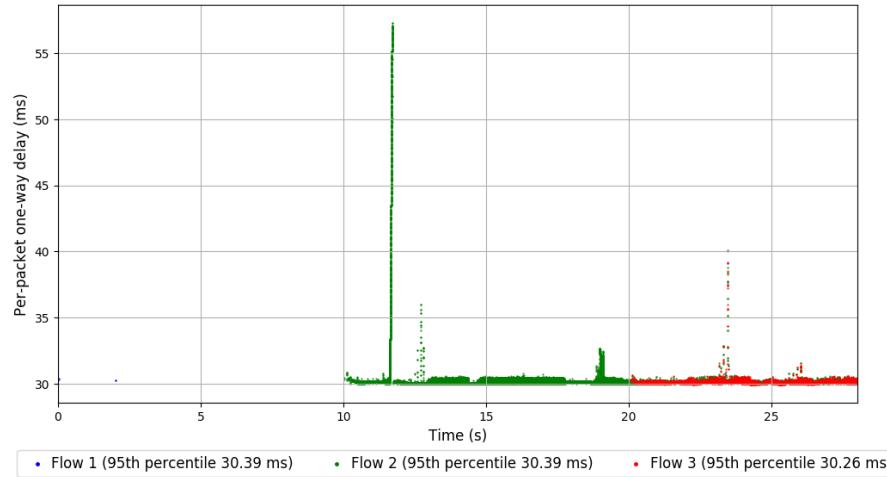
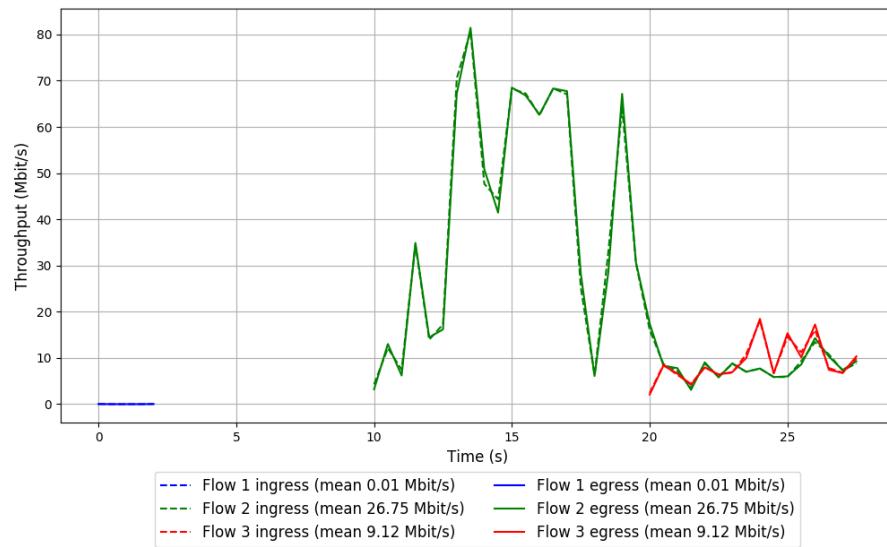


Run 7: Statistics of Copa

```
Start at: 2017-12-12 01:57:28
End at: 2017-12-12 01:57:58
Local clock offset: 0.551 ms
Remote clock offset: -3.532 ms

# Below is generated by plot.py at 2017-12-12 03:49:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 30.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 30.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 30.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 30.262 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

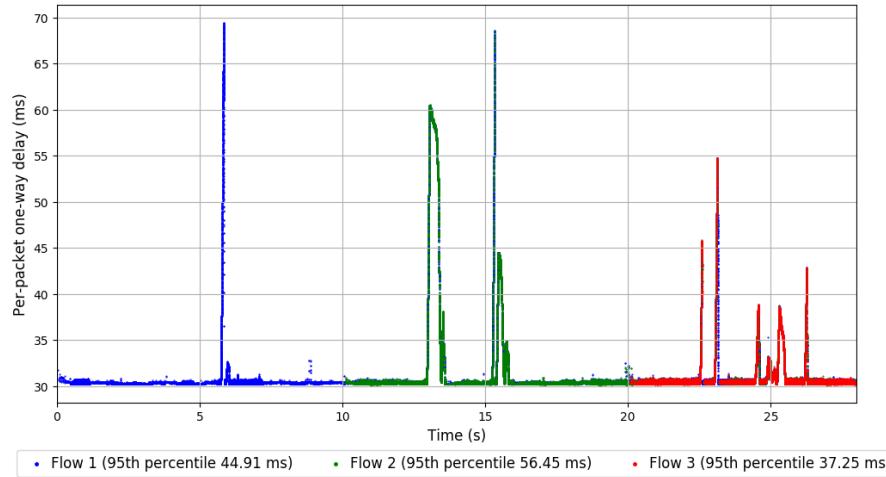
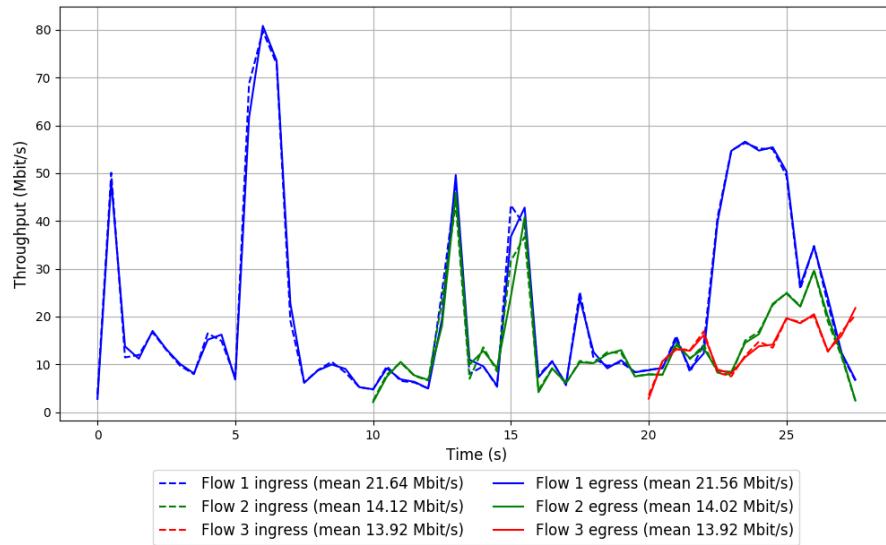


Run 8: Statistics of Copa

```
Start at: 2017-12-12 02:22:37
End at: 2017-12-12 02:23:07
Local clock offset: 1.103 ms
Remote clock offset: -2.299 ms

# Below is generated by plot.py at 2017-12-12 03:49:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 46.598 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 44.912 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 14.02 Mbit/s
95th percentile per-packet one-way delay: 56.449 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 37.249 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

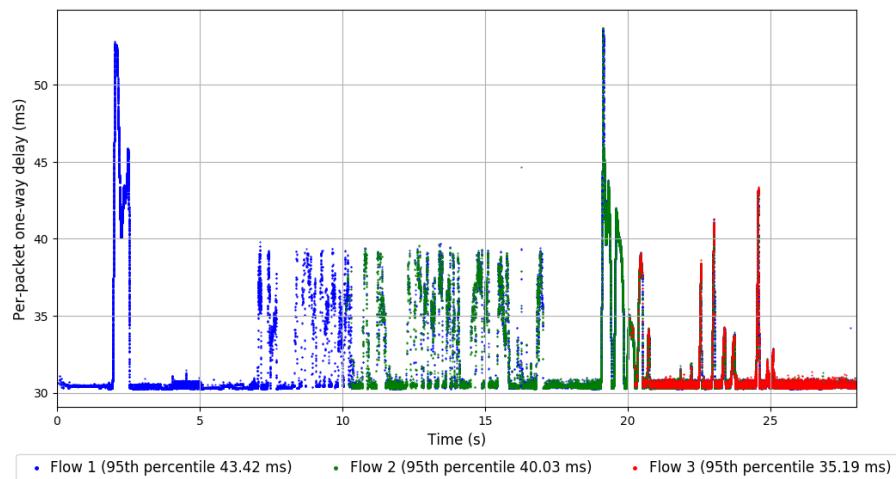
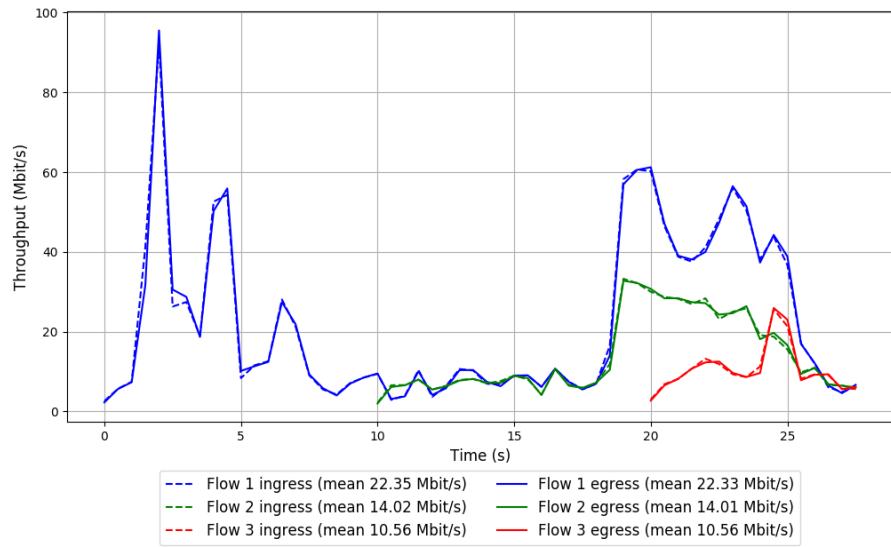


Run 9: Statistics of Copa

```
Start at: 2017-12-12 02:47:10
End at: 2017-12-12 02:47:40
Local clock offset: 1.371 ms
Remote clock offset: -1.834 ms

# Below is generated by plot.py at 2017-12-12 03:50:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 42.742 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 43.420 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 40.031 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 35.194 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

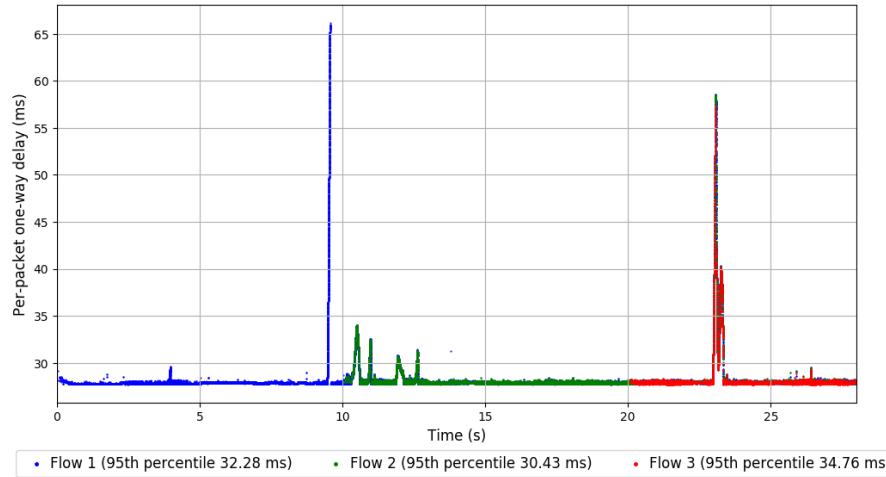
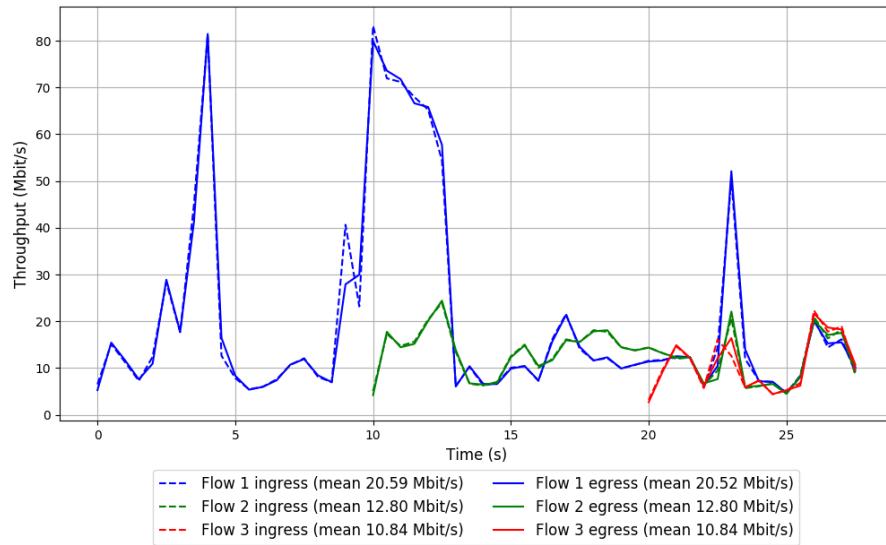


Run 10: Statistics of Copa

```
Start at: 2017-12-12 03:11:33
End at: 2017-12-12 03:12:03
Local clock offset: 1.401 ms
Remote clock offset: -4.237 ms

# Below is generated by plot.py at 2017-12-12 03:50:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.961 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 32.281 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 30.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 34.756 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

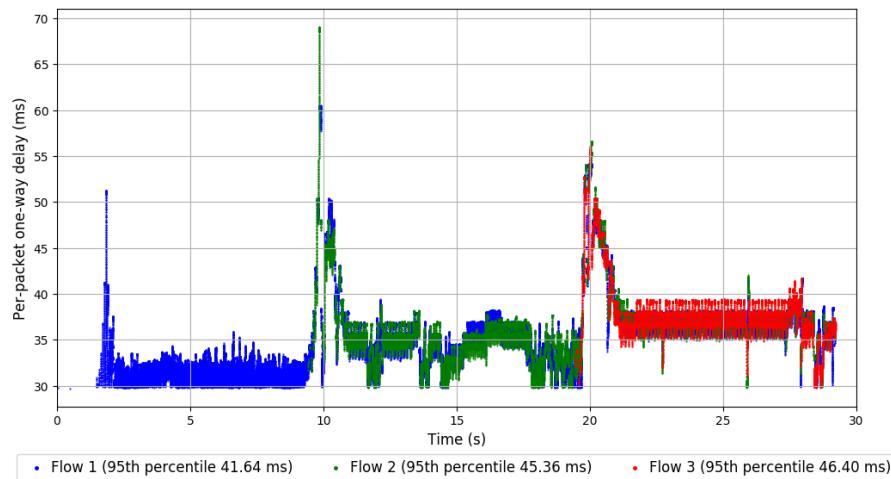
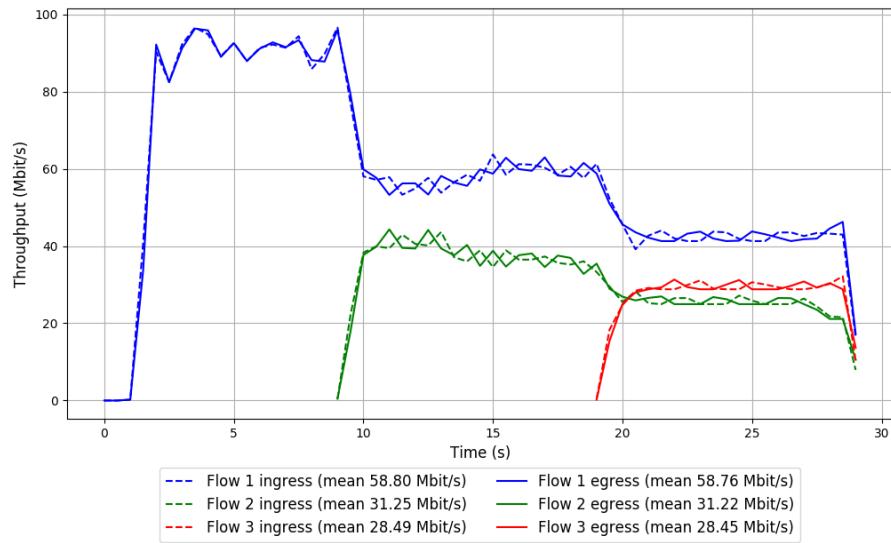


Run 1: Statistics of Indigo

```
Start at: 2017-12-11 23:23:33
End at: 2017-12-11 23:24:03
Local clock offset: -0.373 ms
Remote clock offset: 2.277 ms

# Below is generated by plot.py at 2017-12-12 03:50:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 43.765 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 58.76 Mbit/s
95th percentile per-packet one-way delay: 41.638 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 45.359 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 46.395 ms
Loss rate: 0.10%
```

Run 1: Report of Indigo — Data Link

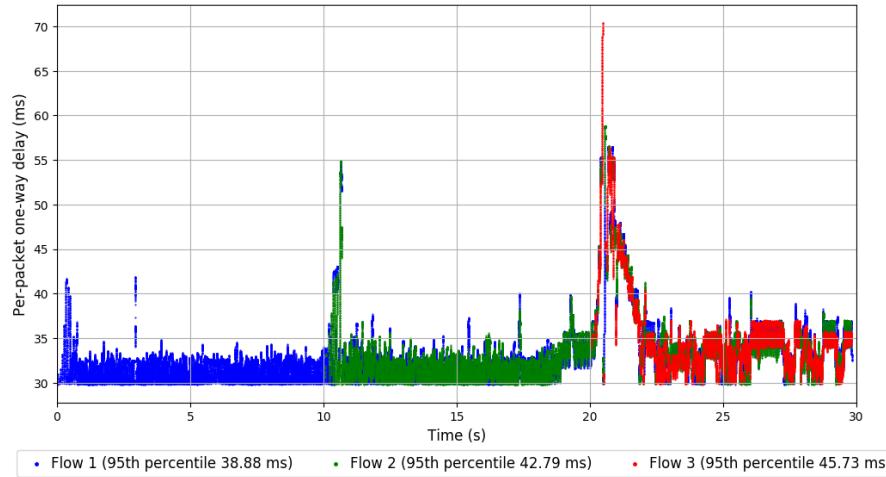
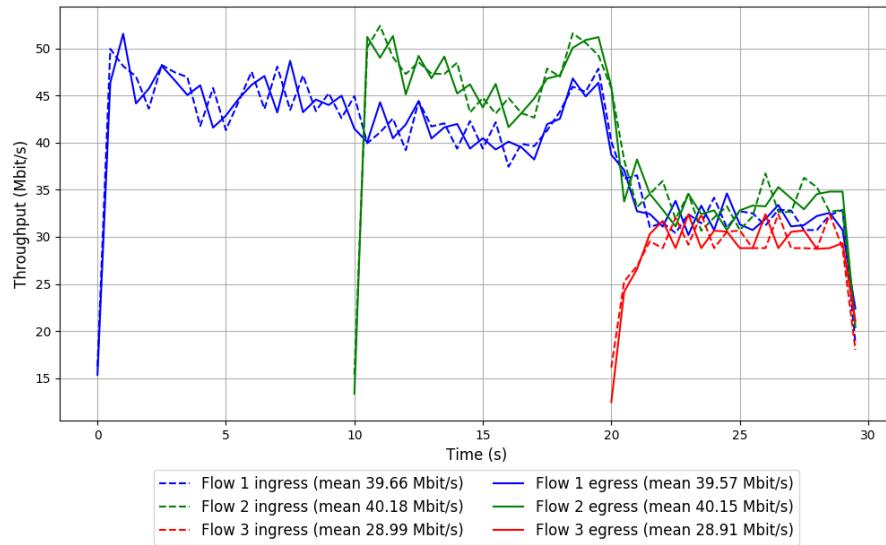


Run 2: Statistics of Indigo

```
Start at: 2017-12-11 23:45:20
End at: 2017-12-11 23:45:50
Local clock offset: -0.07 ms
Remote clock offset: 2.666 ms

# Below is generated by plot.py at 2017-12-12 03:50:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 41.567 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 38.877 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 42.789 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 45.731 ms
Loss rate: 0.25%
```

Run 2: Report of Indigo — Data Link

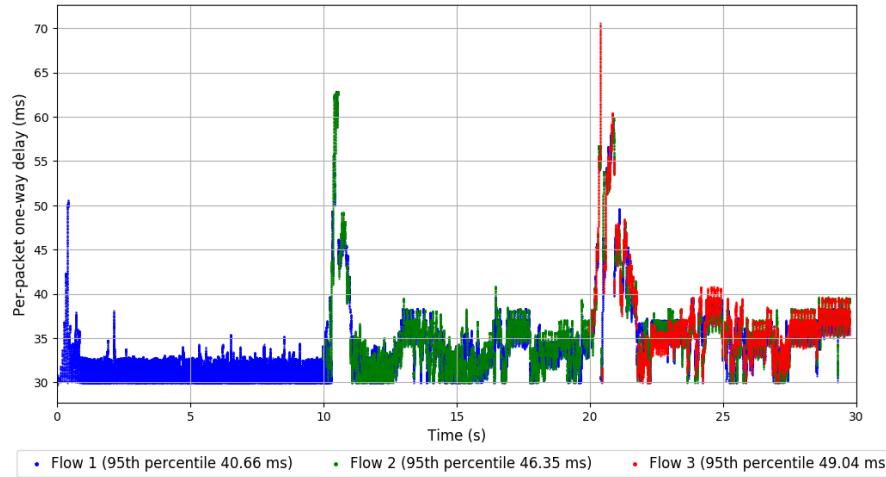
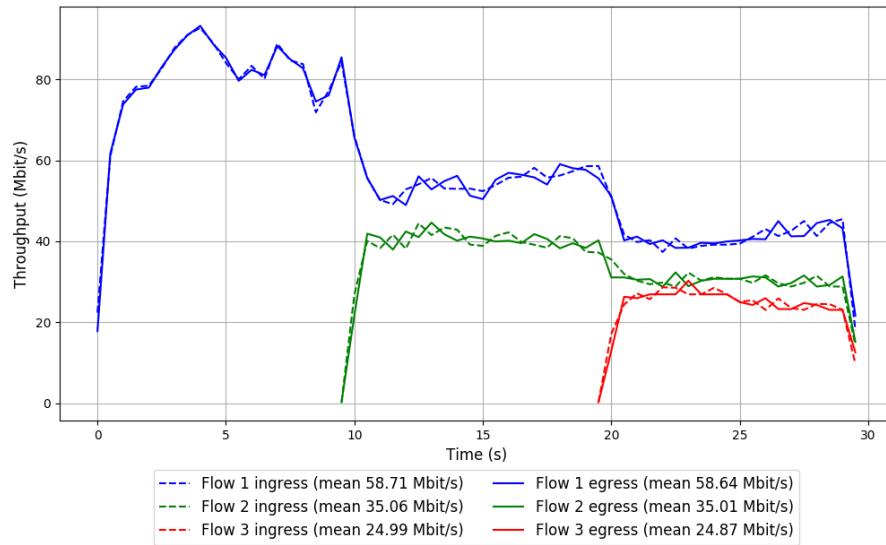


Run 3: Statistics of Indigo

```
Start at: 2017-12-12 00:08:02
End at: 2017-12-12 00:08:32
Local clock offset: -0.364 ms
Remote clock offset: 2.151 ms

# Below is generated by plot.py at 2017-12-12 03:51:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 44.079 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 40.658 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 46.350 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 49.042 ms
Loss rate: 0.47%
```

Run 3: Report of Indigo — Data Link

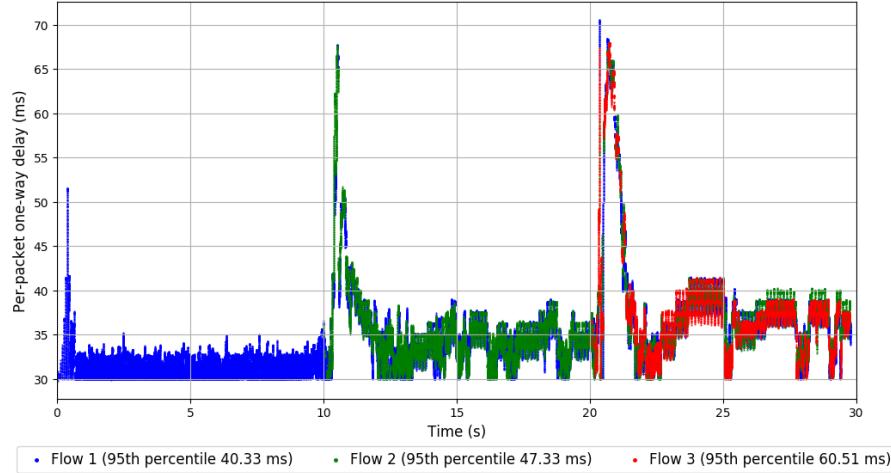
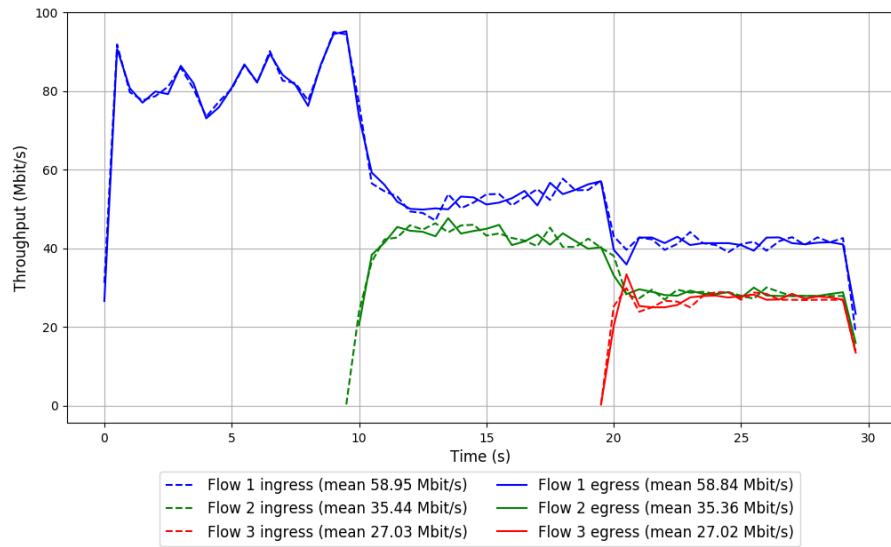


Run 4: Statistics of Indigo

```
Start at: 2017-12-12 00:30:25
End at: 2017-12-12 00:30:55
Local clock offset: -0.805 ms
Remote clock offset: 1.249 ms

# Below is generated by plot.py at 2017-12-12 03:51:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 42.001 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 40.326 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 47.333 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 60.512 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

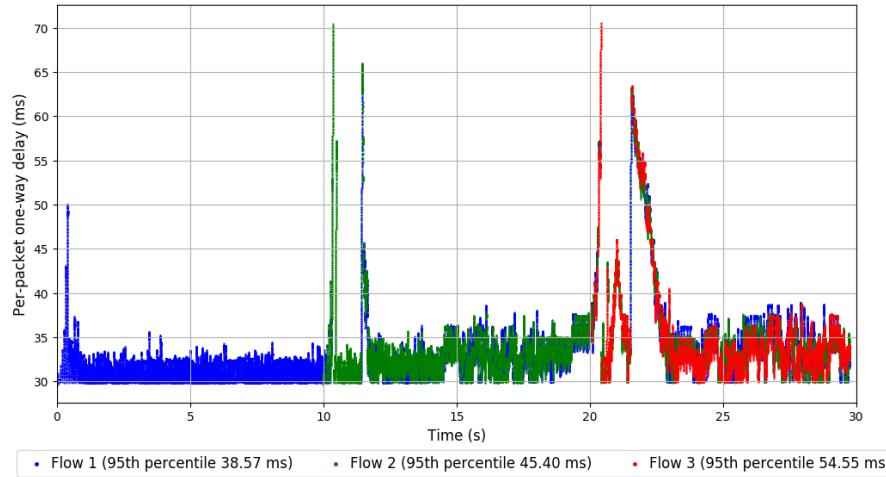
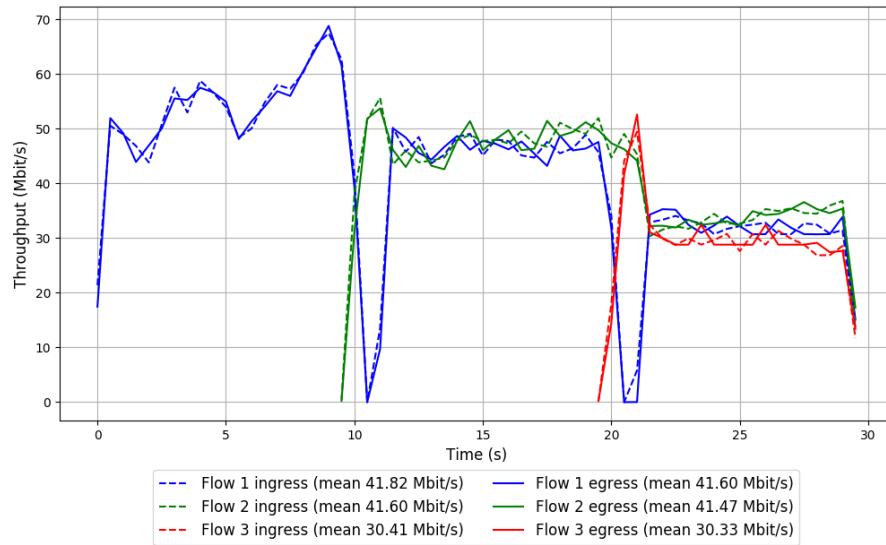


Run 5: Statistics of Indigo

```
Start at: 2017-12-12 00:53:21
End at: 2017-12-12 00:53:51
Local clock offset: -0.525 ms
Remote clock offset: -0.785 ms

# Below is generated by plot.py at 2017-12-12 03:51:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 43.596 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 38.570 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 45.403 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 54.553 ms
Loss rate: 0.26%
```

Run 5: Report of Indigo — Data Link

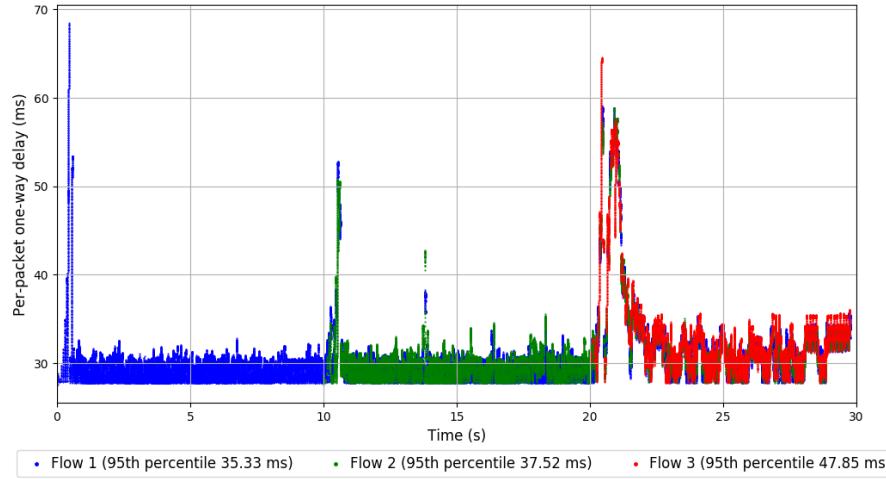
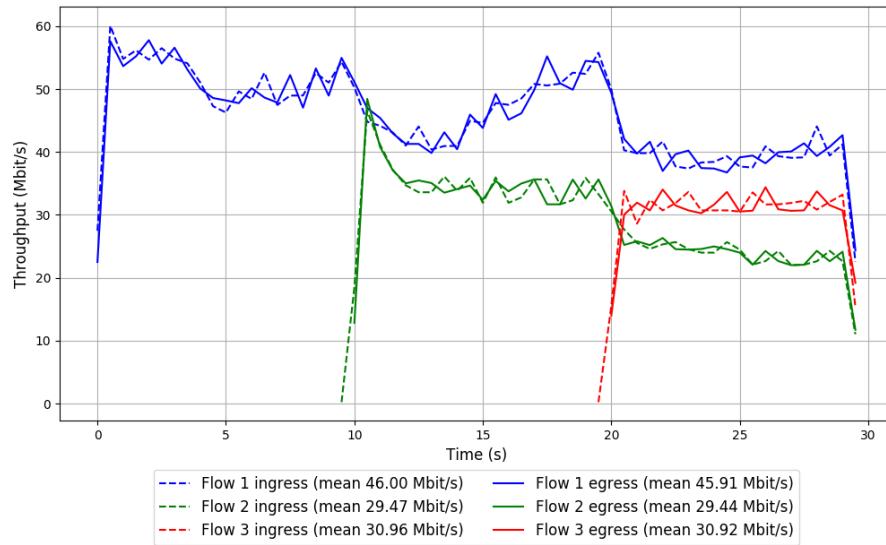


Run 6: Statistics of Indigo

```
Start at: 2017-12-12 01:17:49
End at: 2017-12-12 01:18:19
Local clock offset: -0.124 ms
Remote clock offset: -4.989 ms

# Below is generated by plot.py at 2017-12-12 03:51:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.56 Mbit/s
95th percentile per-packet one-way delay: 37.323 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 35.328 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 37.520 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 47.847 ms
Loss rate: 0.08%
```

Run 6: Report of Indigo — Data Link

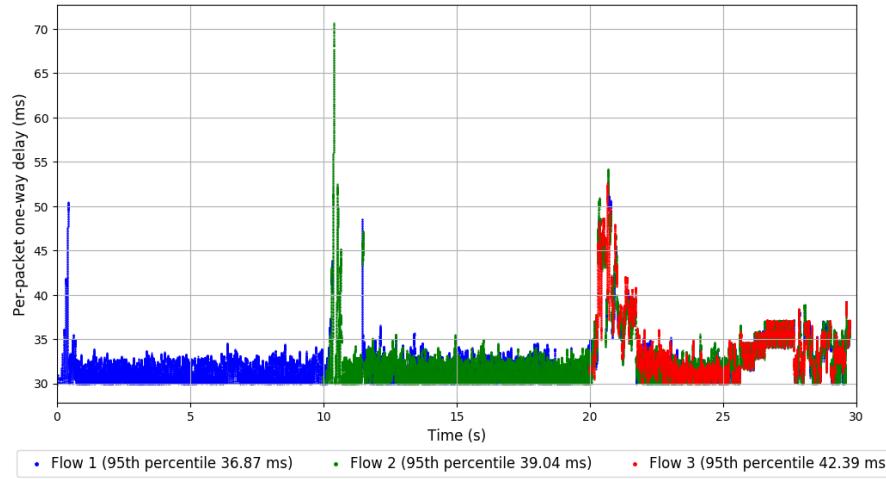
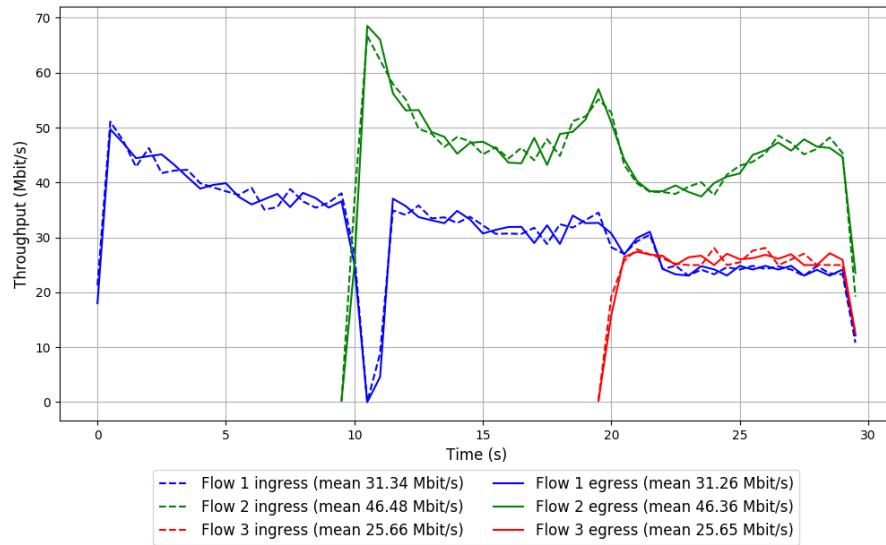


Run 7: Statistics of Indigo

```
Start at: 2017-12-12 01:42:35
End at: 2017-12-12 01:43:05
Local clock offset: 0.125 ms
Remote clock offset: -3.974 ms

# Below is generated by plot.py at 2017-12-12 03:51:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 38.750 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 36.870 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 39.037 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 25.65 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

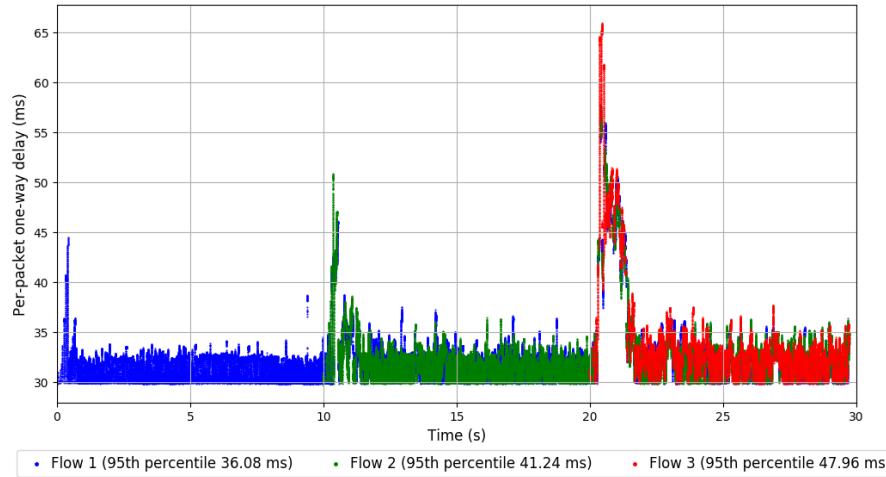
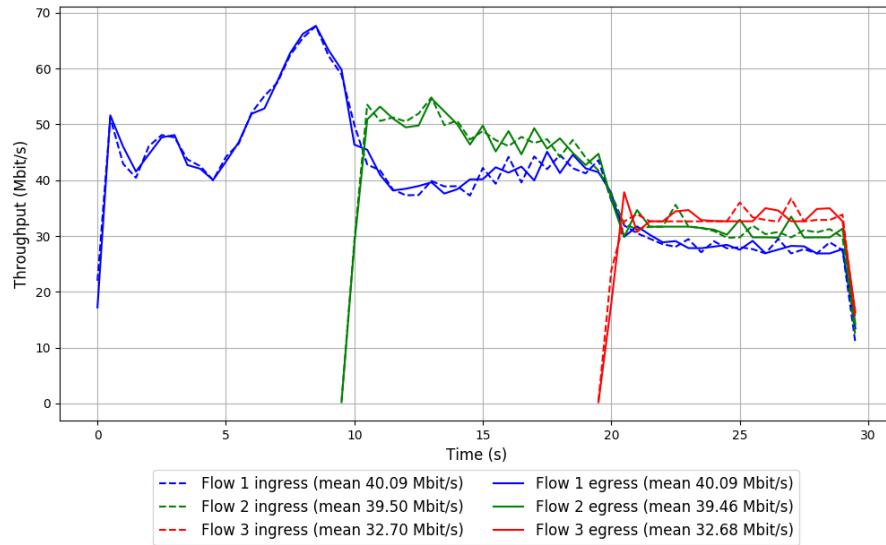


Run 8: Statistics of Indigo

```
Start at: 2017-12-12 02:07:56
End at: 2017-12-12 02:08:26
Local clock offset: 0.896 ms
Remote clock offset: -3.368 ms

# Below is generated by plot.py at 2017-12-12 03:51:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 41.037 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 36.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 41.236 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 47.963 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

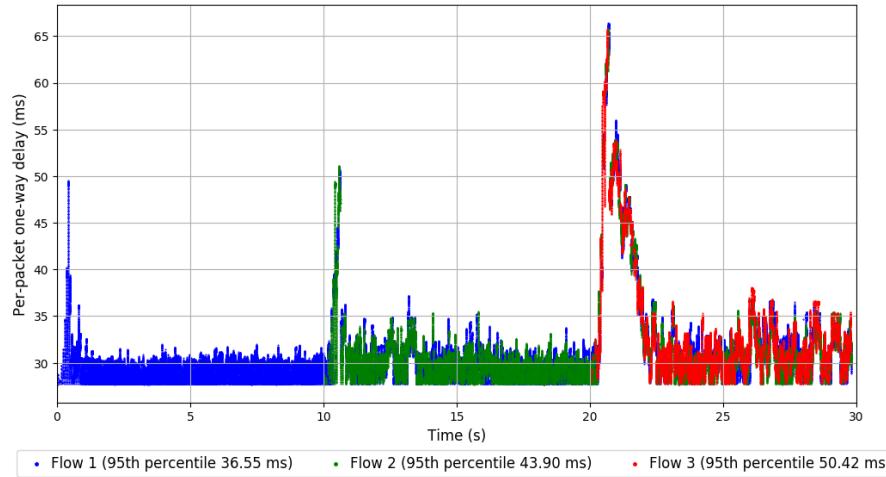
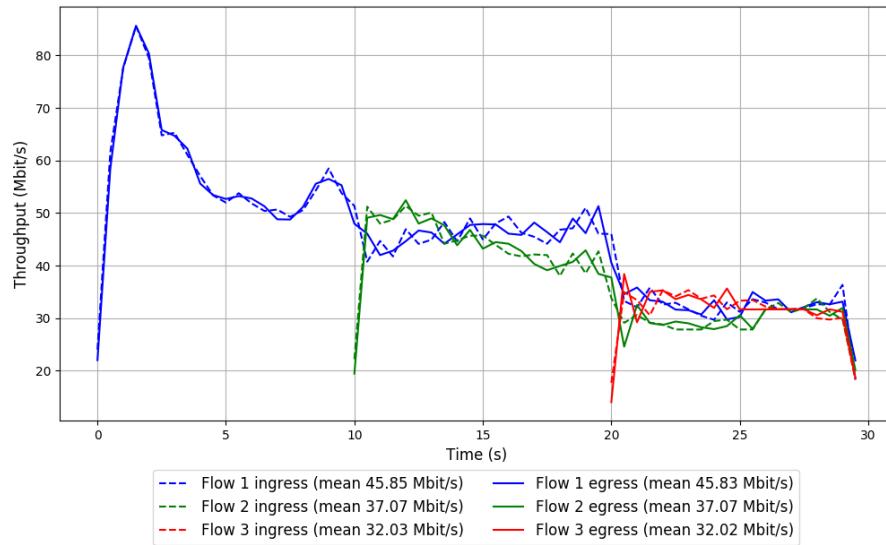


Run 9: Statistics of Indigo

```
Start at: 2017-12-12 02:32:30
End at: 2017-12-12 02:33:00
Local clock offset: 1.163 ms
Remote clock offset: -4.616 ms

# Below is generated by plot.py at 2017-12-12 03:51:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 42.967 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 36.552 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 43.896 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.02 Mbit/s
95th percentile per-packet one-way delay: 50.424 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

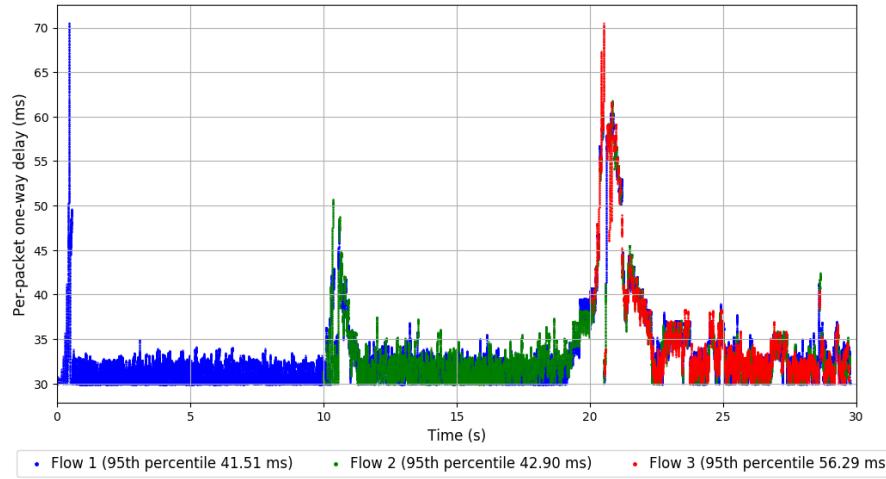
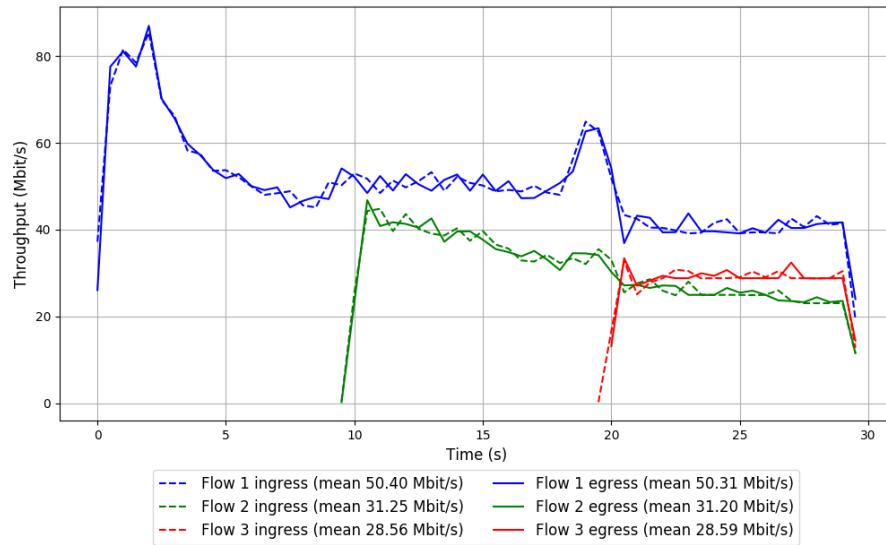


Run 10: Statistics of Indigo

```
Start at: 2017-12-12 02:57:16
End at: 2017-12-12 02:57:46
Local clock offset: 1.367 ms
Remote clock offset: -2.197 ms

# Below is generated by plot.py at 2017-12-12 03:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 42.751 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 41.510 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 42.899 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.59 Mbit/s
95th percentile per-packet one-way delay: 56.291 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

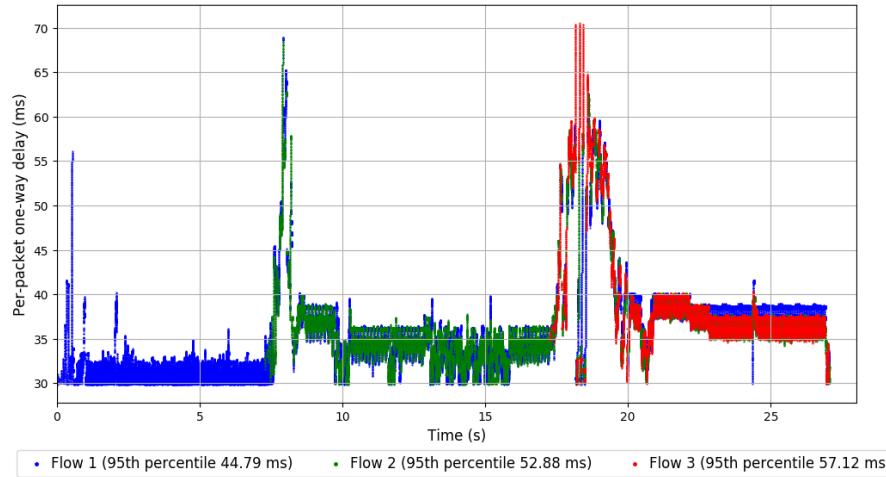
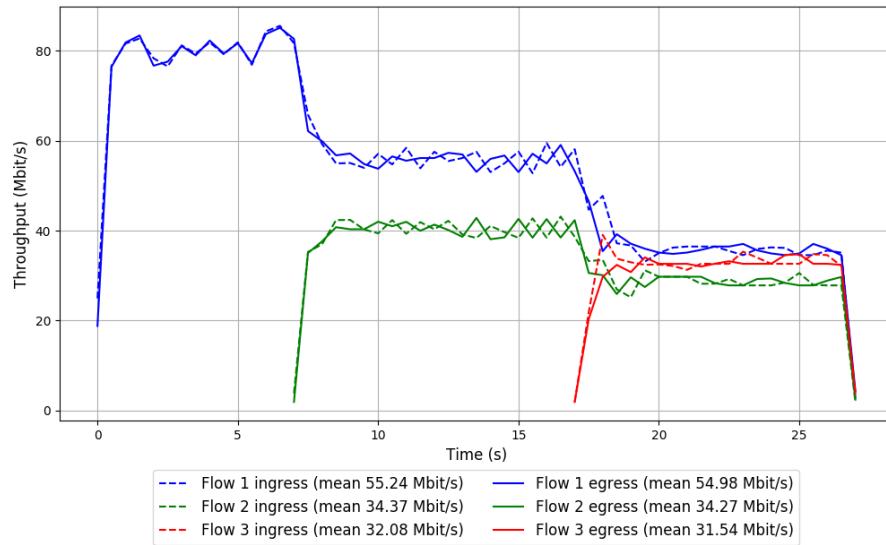


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-11 23:29:24
End at: 2017-12-11 23:29:54
Local clock offset: -0.32 ms
Remote clock offset: 2.398 ms

# Below is generated by plot.py at 2017-12-12 03:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 51.419 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 44.792 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 52.879 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 57.116 ms
Loss rate: 1.74%
```

Run 1: Report of Indigo-calib — Data Link

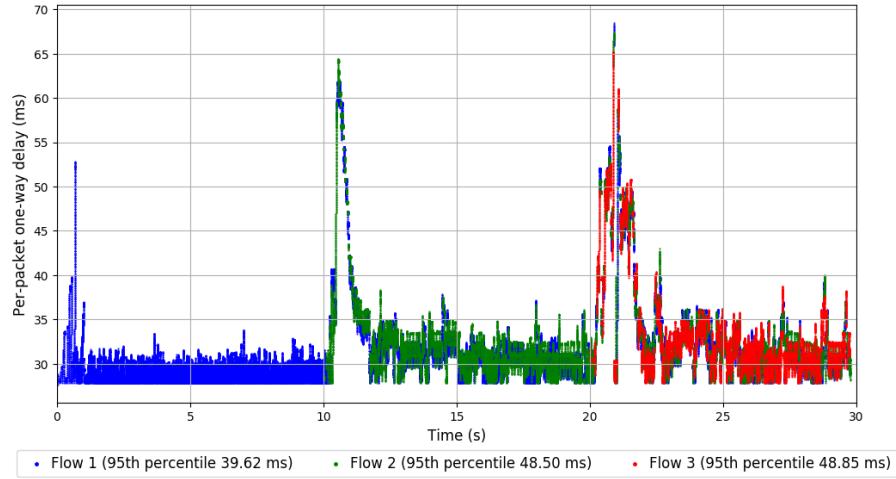
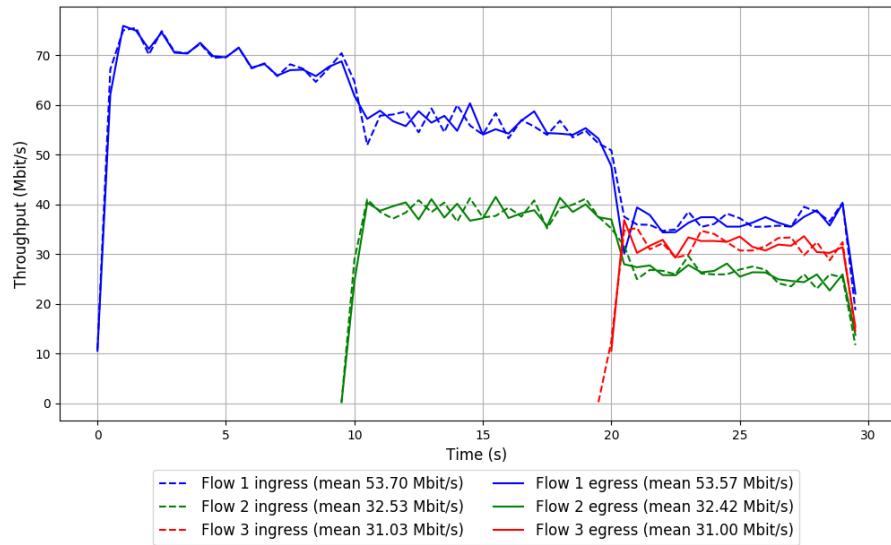


Run 2: Statistics of Indigo-calib

```
Start at: 2017-12-11 23:51:56
End at: 2017-12-11 23:52:26
Local clock offset: -0.169 ms
Remote clock offset: 0.476 ms

# Below is generated by plot.py at 2017-12-12 03:52:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 45.670 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 39.617 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 48.501 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 48.851 ms
Loss rate: 0.08%
```

Run 2: Report of Indigo-calib — Data Link

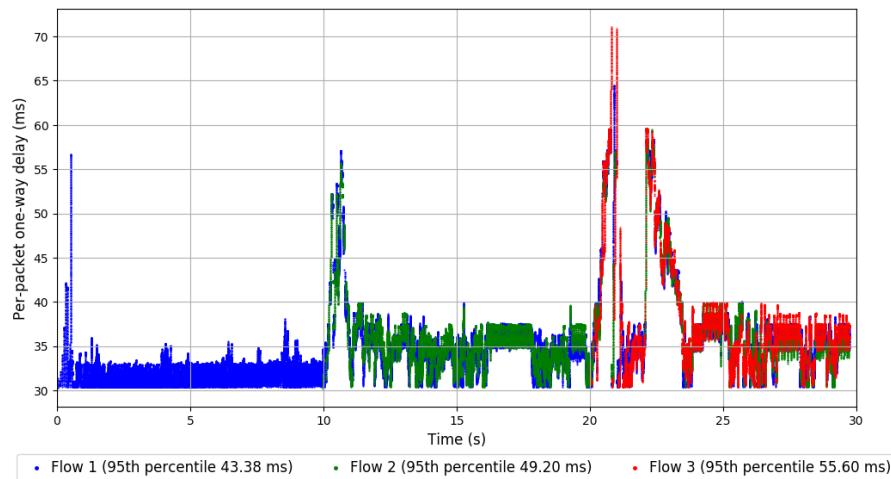
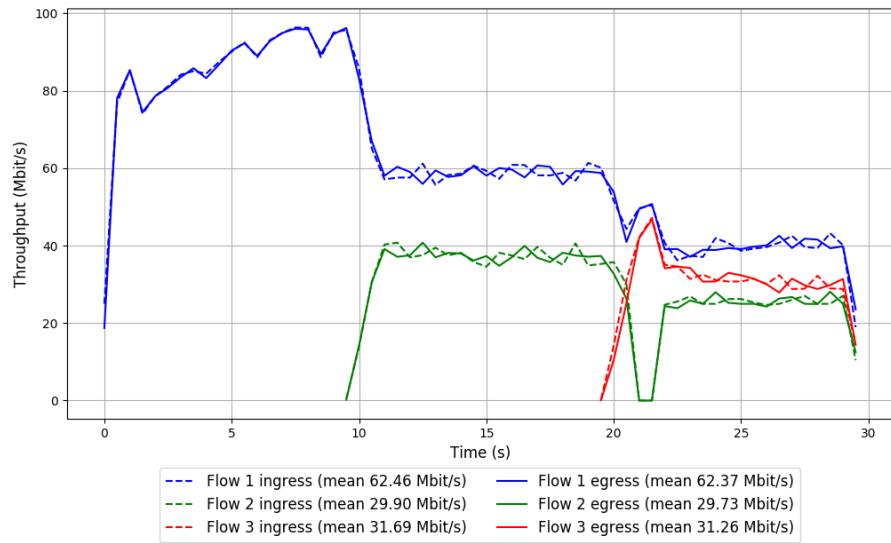


Run 3: Statistics of Indigo-calib

```
Start at: 2017-12-12 00:14:26
End at: 2017-12-12 00:14:56
Local clock offset: -0.504 ms
Remote clock offset: 2.361 ms

# Below is generated by plot.py at 2017-12-12 03:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 47.157 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 43.378 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 49.204 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 55.604 ms
Loss rate: 1.29%
```

Run 3: Report of Indigo-calib — Data Link

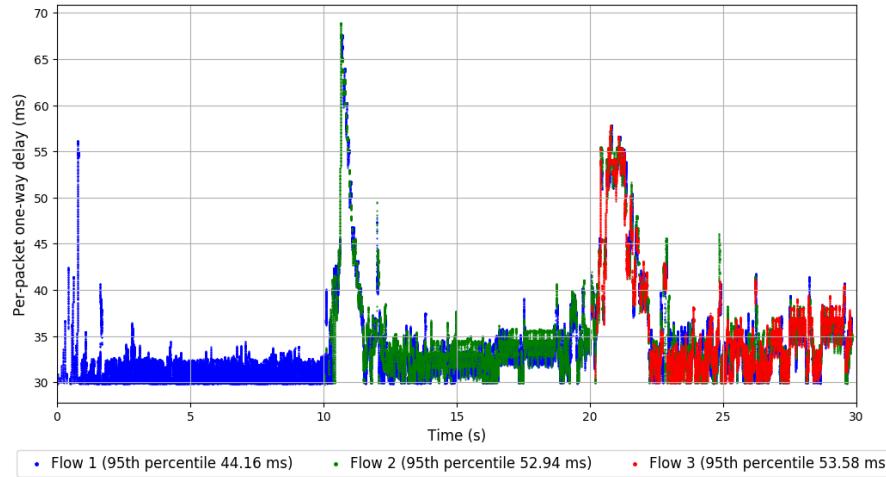
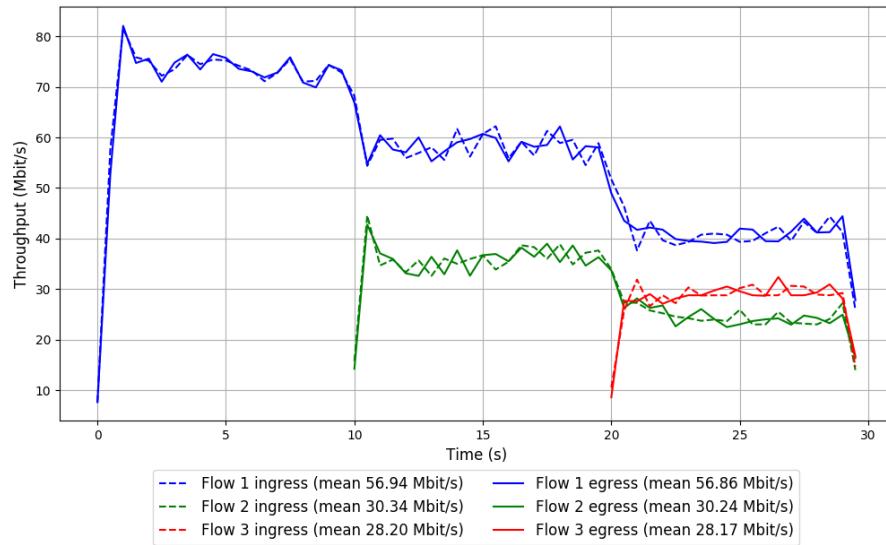


Run 4: Statistics of Indigo-calib

```
Start at: 2017-12-12 00:36:58
End at: 2017-12-12 00:37:28
Local clock offset: -0.75 ms
Remote clock offset: 0.939 ms

# Below is generated by plot.py at 2017-12-12 03:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 48.439 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 44.156 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 52.939 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 53.584 ms
Loss rate: 0.14%
```

Run 4: Report of Indigo-calib — Data Link

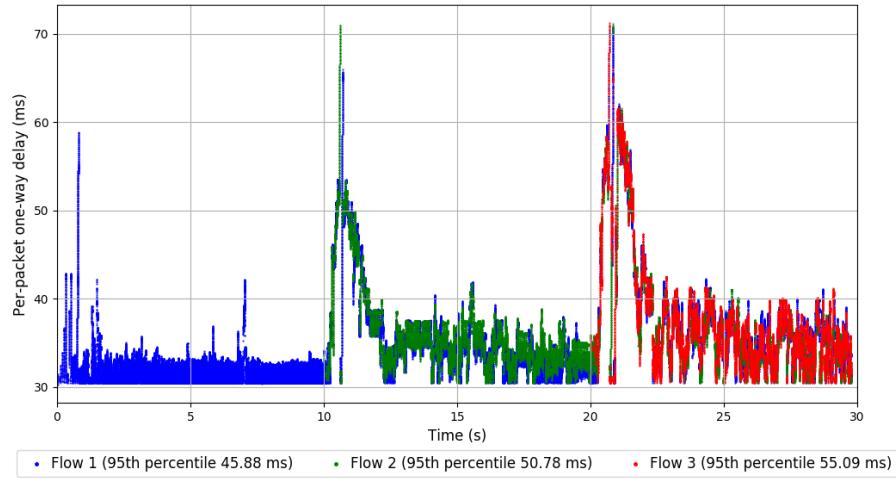
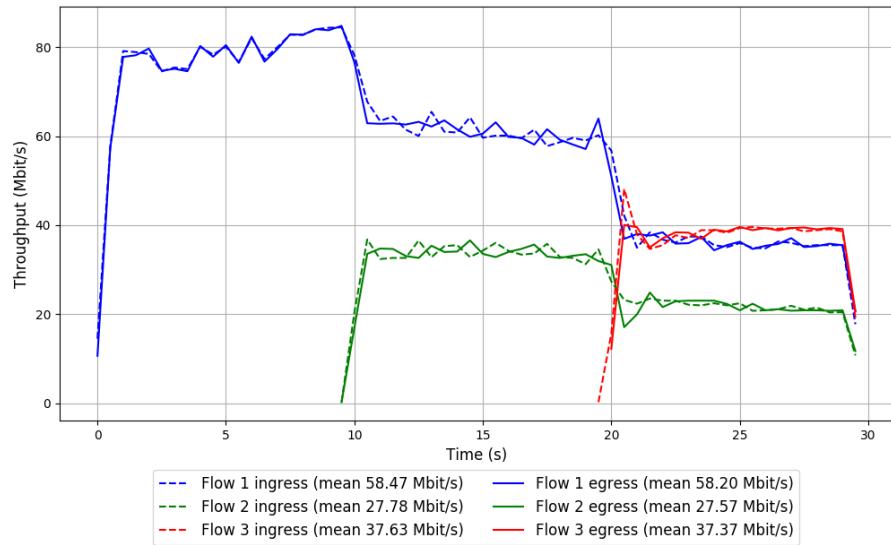


Run 5: Statistics of Indigo-calib

```
Start at: 2017-12-12 01:00:00
End at: 2017-12-12 01:00:30
Local clock offset: -0.45 ms
Remote clock offset: -0.886 ms

# Below is generated by plot.py at 2017-12-12 03:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 49.378 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 45.876 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 55.094 ms
Loss rate: 0.72%
```

Run 5: Report of Indigo-calib — Data Link

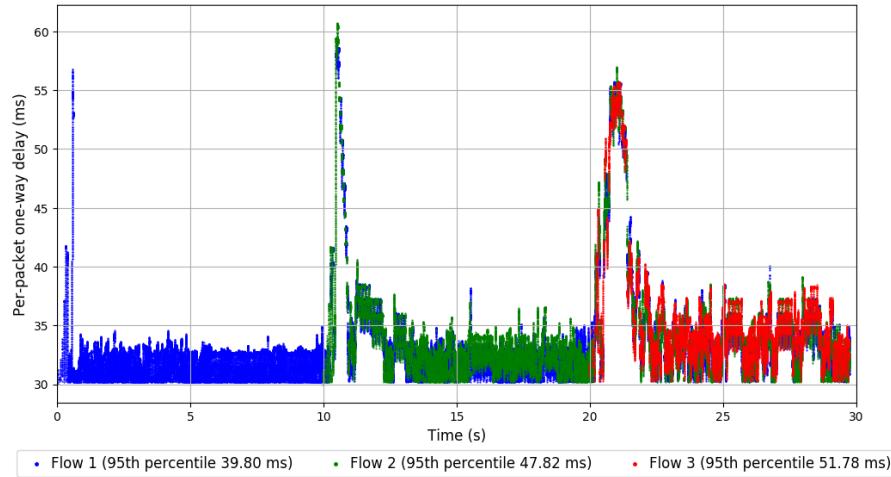
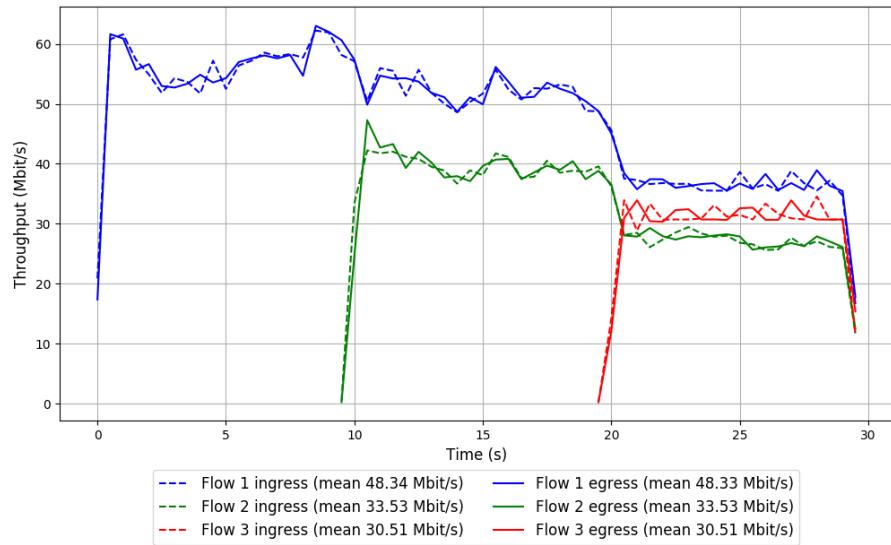


Run 6: Statistics of Indigo-calib

```
Start at: 2017-12-12 01:24:39
End at: 2017-12-12 01:25:09
Local clock offset: 0.058 ms
Remote clock offset: -2.871 ms

# Below is generated by plot.py at 2017-12-12 03:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 43.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 39.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 47.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 51.785 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-calib — Data Link

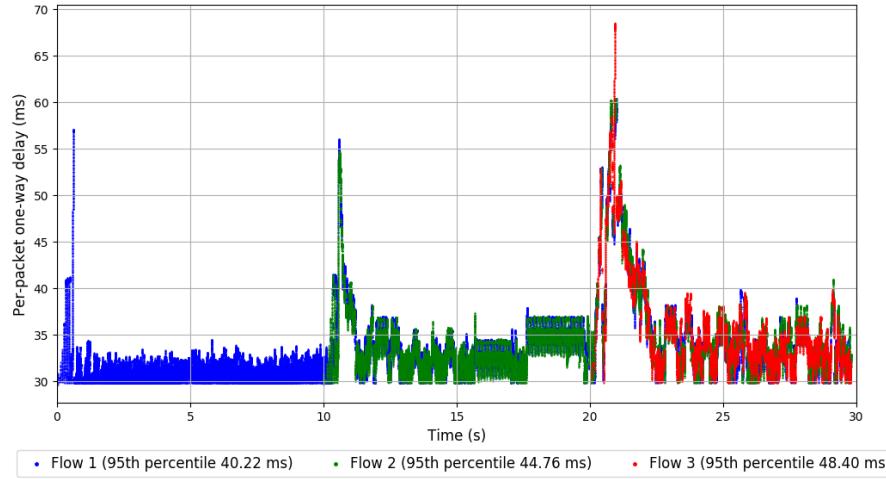
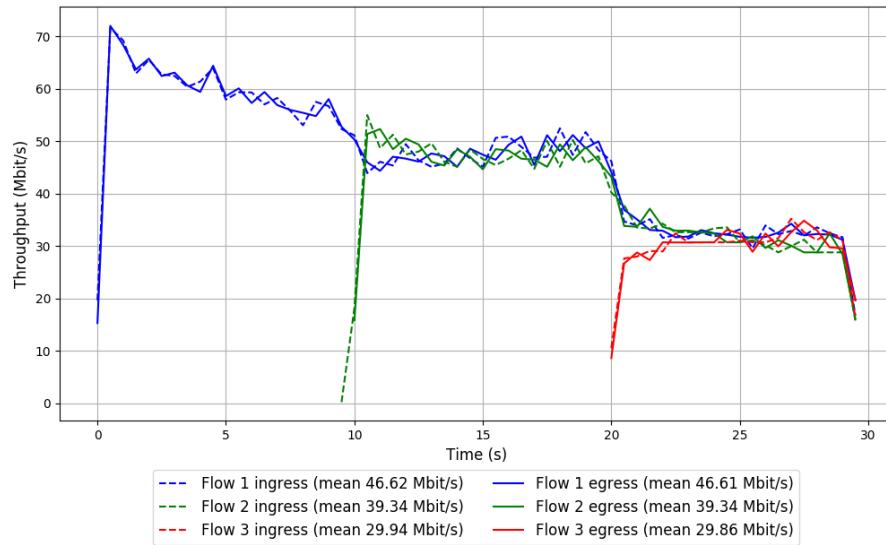


Run 7: Statistics of Indigo-calib

```
Start at: 2017-12-12 01:49:40
End at: 2017-12-12 01:50:10
Local clock offset: 0.421 ms
Remote clock offset: -3.749 ms

# Below is generated by plot.py at 2017-12-12 03:52:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 42.722 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 40.219 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 44.759 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 48.395 ms
Loss rate: 0.24%
```

Run 7: Report of Indigo-calib — Data Link

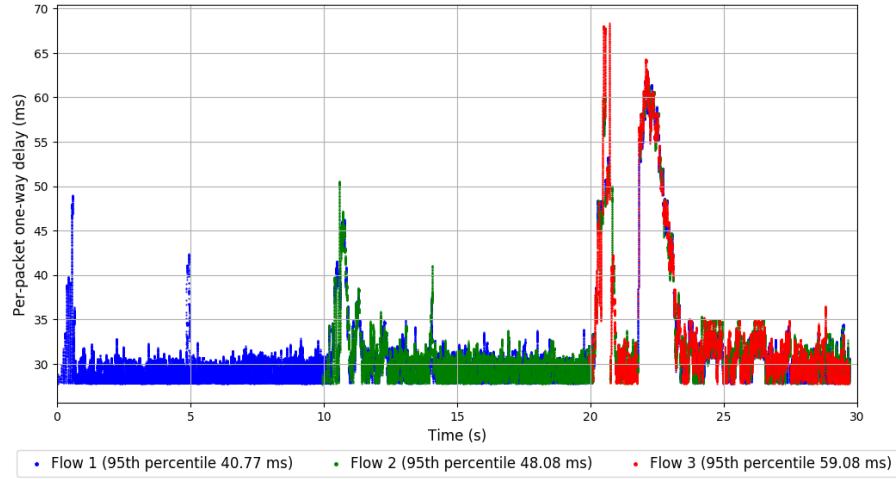
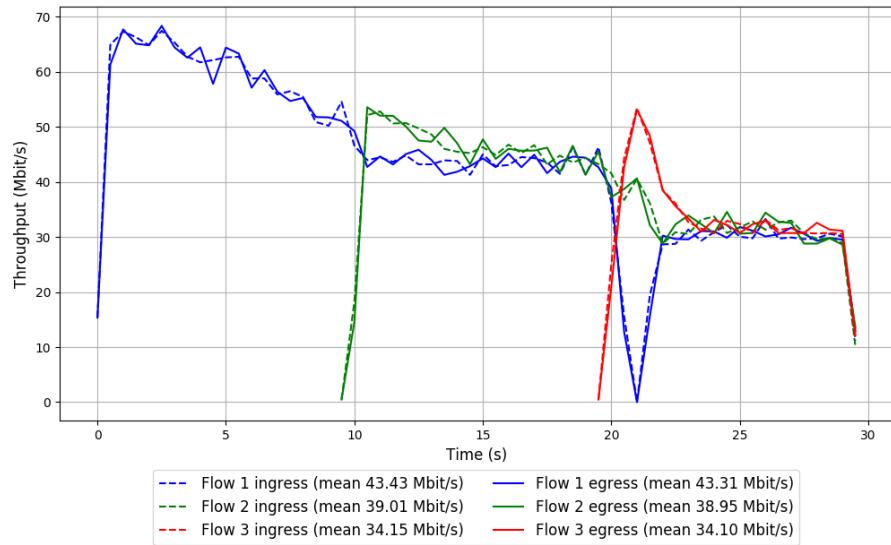


Run 8: Statistics of Indigo-calib

```
Start at: 2017-12-12 02:14:52
End at: 2017-12-12 02:15:22
Local clock offset: 1.042 ms
Remote clock offset: -5.034 ms

# Below is generated by plot.py at 2017-12-12 03:52:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 48.315 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 40.765 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 48.077 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 59.076 ms
Loss rate: 0.18%
```

Run 8: Report of Indigo-calib — Data Link

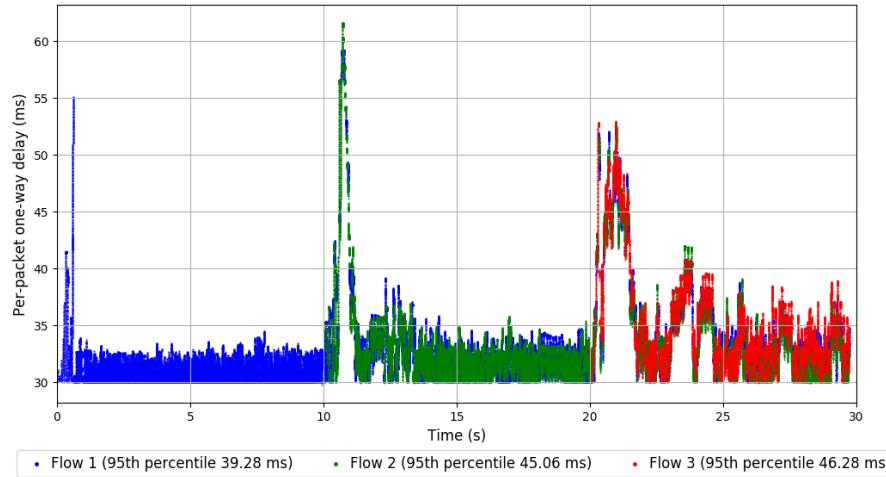
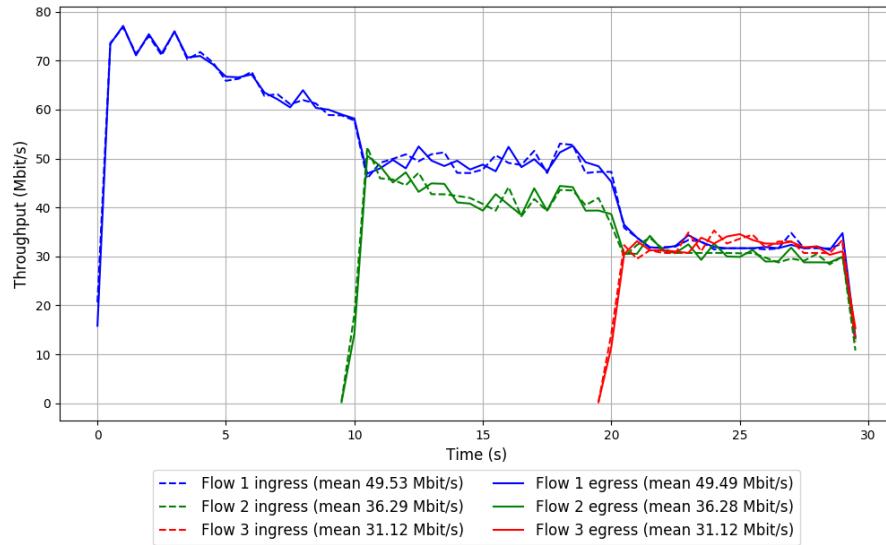


Run 9: Statistics of Indigo-calib

```
Start at: 2017-12-12 02:39:14
End at: 2017-12-12 02:39:44
Local clock offset: 1.207 ms
Remote clock offset: -2.307 ms

# Below is generated by plot.py at 2017-12-12 03:52:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 43.672 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 39.277 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 45.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 46.284 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

```
Start at: 2017-12-12 03:04:25
End at: 2017-12-12 03:04:55
Local clock offset: 1.409 ms
Remote clock offset: -2.198 ms

# Below is generated by plot.py at 2017-12-12 03:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 42.443 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 41.311 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 44.817 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.39 Mbit/s
95th percentile per-packet one-way delay: 43.932 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-calib — Data Link

