

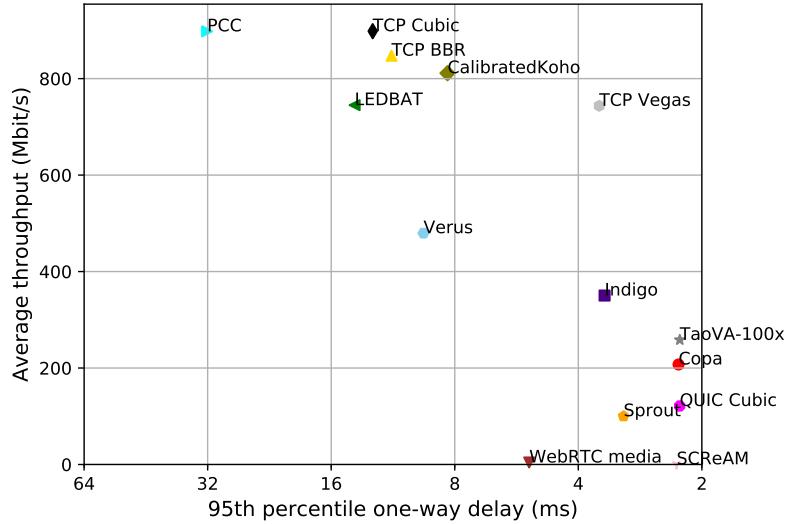
Pantheon Report

Generated at 2017-10-12 14:34:31 (UTC).
Data path: AWS Brazil 1 Ethernet (*local*) → Brazil 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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

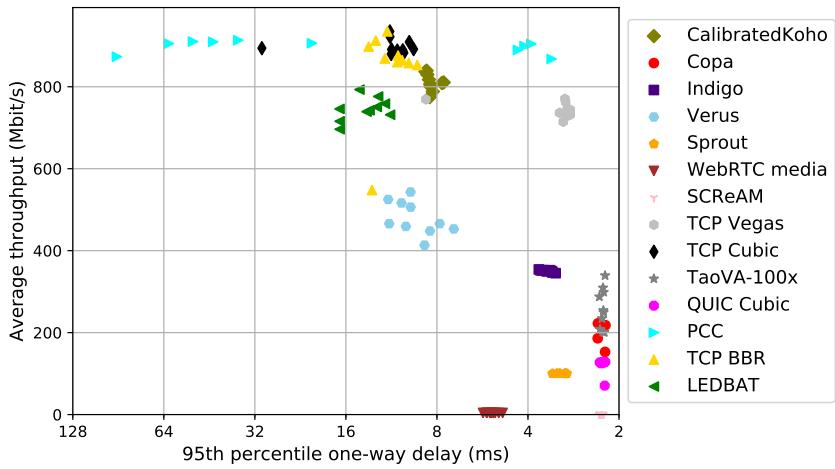
Git summary:

```
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 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 Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



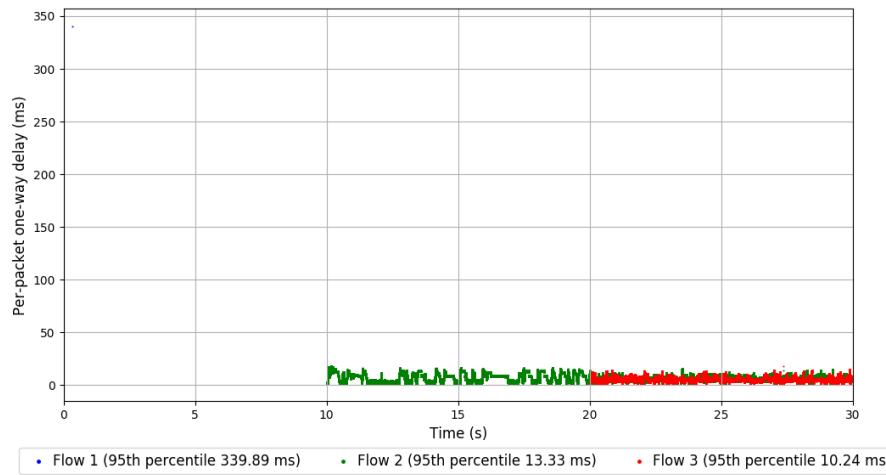
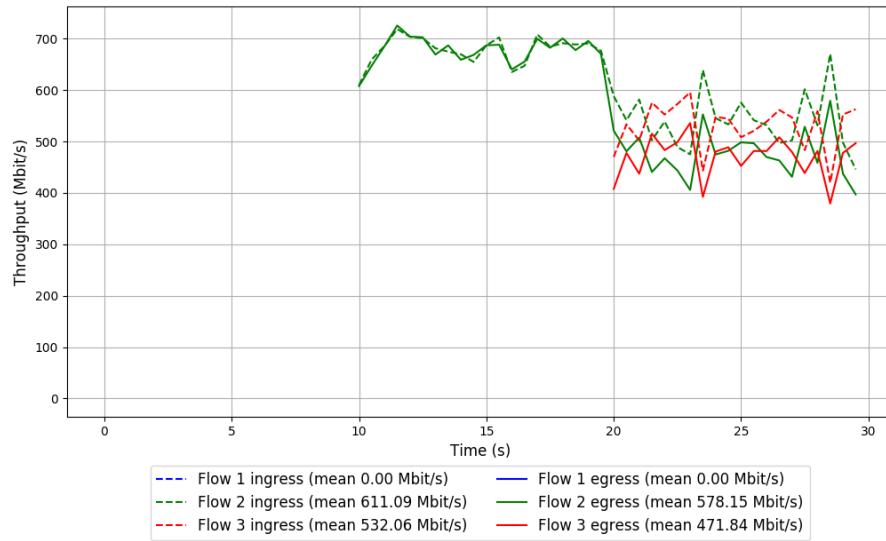
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	450.65	427.53	336.40	45.26	9.05	6.80	11.83	20.09	27.54
TCP Cubic		551.02	374.20	295.53	15.10	5.11	5.12	0.02	0.02	0.03
LEDBAT		426.92	339.20	280.60	15.00	8.95	5.16	0.05	0.10	0.14
PCC		710.73	248.19	67.95	38.17	3.53	3.72	0.43	0.05	0.06
QUIC Cubic		62.12	62.38	54.47	2.24	2.36	3.05	0.00	0.00	0.00
SCReAM		0.22	0.22	0.22	2.31	2.29	2.31	0.00	0.00	0.00
WebRTC media		2.33	1.44	0.38	4.78	5.45	6.66	0.00	0.01	0.08
Sprout		50.24	50.16	49.91	3.09	3.15	3.03	0.00	0.00	0.00
TaoVA-100x		135.70	124.12	151.46	2.26	2.26	2.27	0.00	0.00	0.00
TCP Vegas		422.07	341.80	282.81	3.84	2.96	2.88	0.00	0.00	0.00
Verus	∞	279.48	209.54	183.80	8.50	11.02	28.26	1.22	2.08	3.94
Copa		107.54	102.44	123.48	2.27	2.29	2.40	0.00	0.00	0.00
CalibratedKoho		440.09	391.07	334.09	8.21	8.24	7.53	24.27	35.98	54.80
Indigo	10	183.95	173.15	158.46	3.10	3.56	4.04	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2017-10-12 06:53:12
End at: 2017-10-12 06:53:42
Local clock offset: -0.339 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2017-10-12 12:30:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.91 Mbit/s
95th percentile per-packet one-way delay: 13.118 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 339.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 578.15 Mbit/s
95th percentile per-packet one-way delay: 13.332 ms
Loss rate: 5.37%
-- Flow 3:
Average throughput: 471.84 Mbit/s
95th percentile per-packet one-way delay: 10.239 ms
Loss rate: 11.29%
```

Run 1: Report of TCP BBR — Data Link

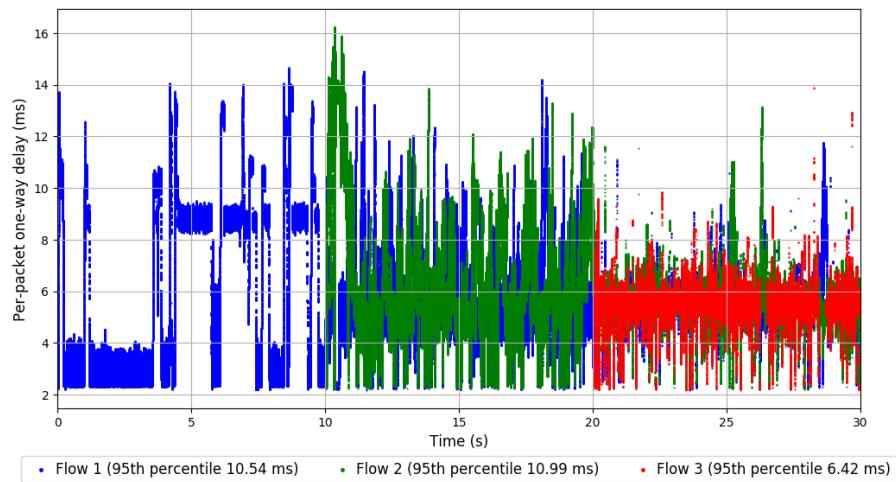
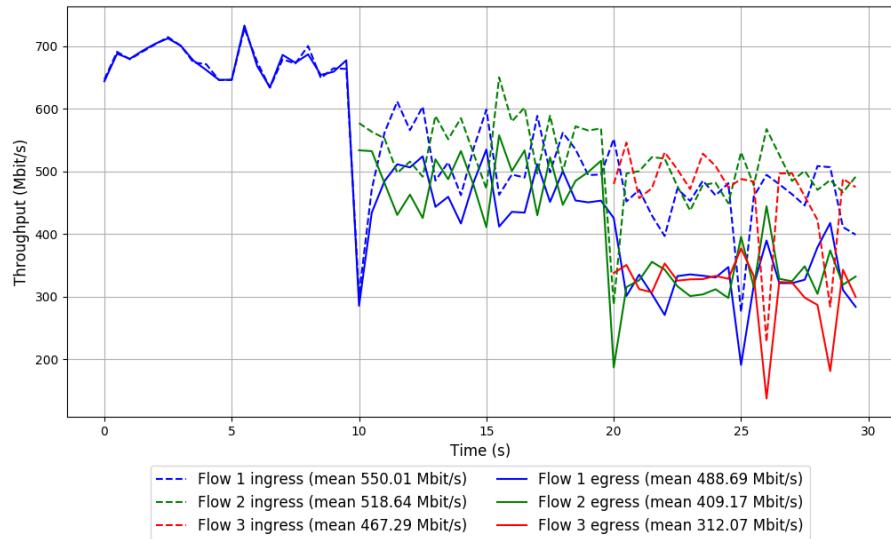


Run 2: Statistics of TCP BBR

```
Start at: 2017-10-12 07:12:59
End at: 2017-10-12 07:13:29
Local clock offset: -0.361 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2017-10-12 12:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 864.81 Mbit/s
95th percentile per-packet one-way delay: 10.426 ms
Loss rate: 17.67%
-- Flow 1:
Average throughput: 488.69 Mbit/s
95th percentile per-packet one-way delay: 10.539 ms
Loss rate: 11.14%
-- Flow 2:
Average throughput: 409.17 Mbit/s
95th percentile per-packet one-way delay: 10.987 ms
Loss rate: 21.10%
-- Flow 3:
Average throughput: 312.07 Mbit/s
95th percentile per-packet one-way delay: 6.417 ms
Loss rate: 33.22%
```

Run 2: Report of TCP BBR — Data Link

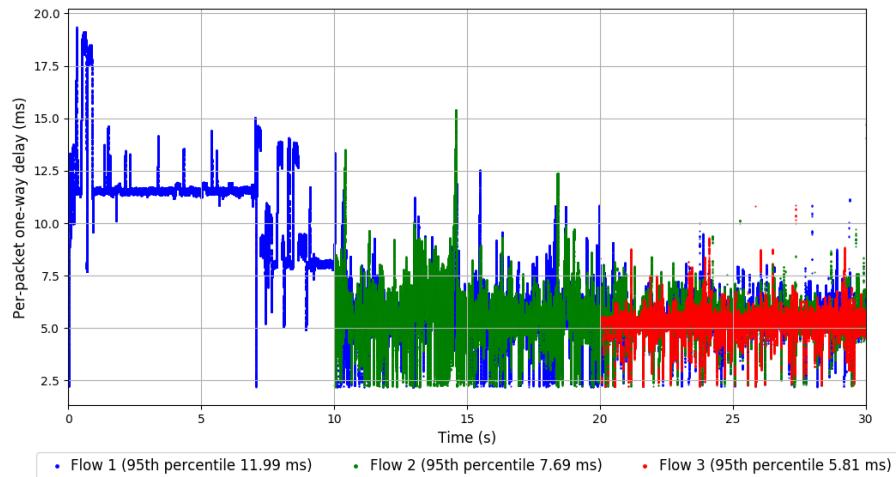
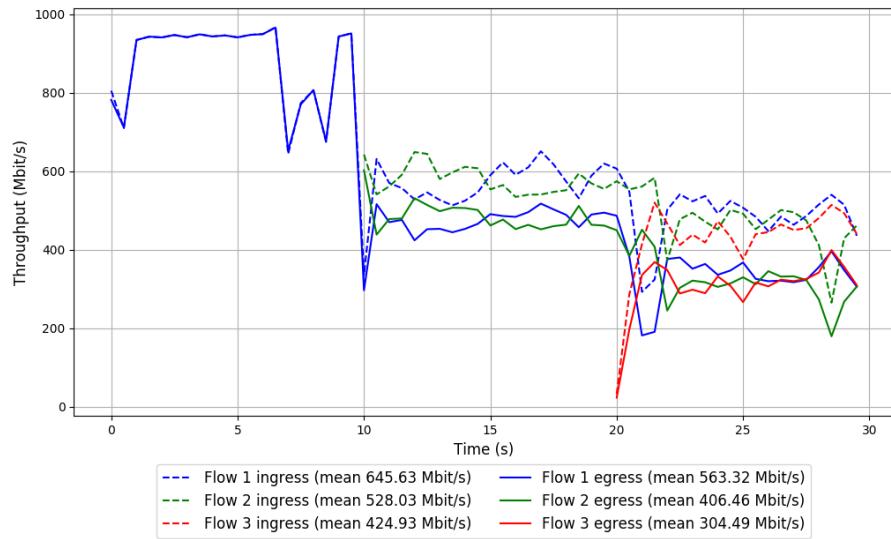


Run 3: Statistics of TCP BBR

```
Start at: 2017-10-12 07:33:17
End at: 2017-10-12 07:33:47
Local clock offset: -0.354 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2017-10-12 12:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 934.98 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 17.83%
-- Flow 1:
Average throughput: 563.32 Mbit/s
95th percentile per-packet one-way delay: 11.986 ms
Loss rate: 12.71%
-- Flow 2:
Average throughput: 406.46 Mbit/s
95th percentile per-packet one-way delay: 7.692 ms
Loss rate: 23.01%
-- Flow 3:
Average throughput: 304.49 Mbit/s
95th percentile per-packet one-way delay: 5.814 ms
Loss rate: 28.34%
```

Run 3: Report of TCP BBR — Data Link

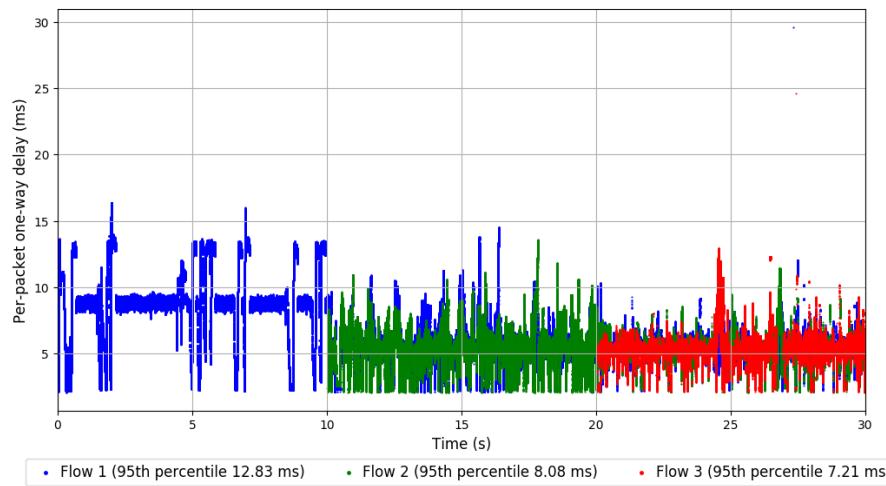
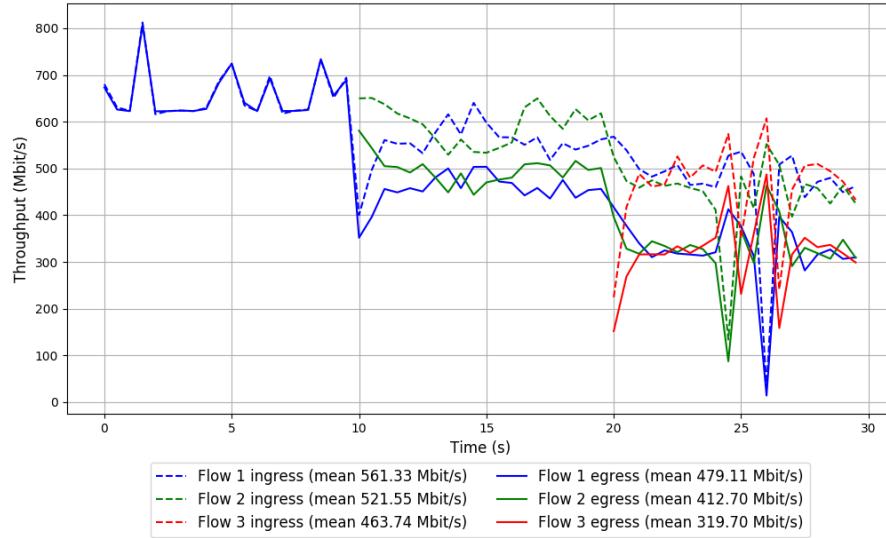


Run 4: Statistics of TCP BBR

```
Start at: 2017-10-12 07:53:42
End at: 2017-10-12 07:54:12
Local clock offset: -0.364 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2017-10-12 12:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 860.01 Mbit/s
95th percentile per-packet one-way delay: 10.819 ms
Loss rate: 19.05%
-- Flow 1:
Average throughput: 479.11 Mbit/s
95th percentile per-packet one-way delay: 12.831 ms
Loss rate: 14.64%
-- Flow 2:
Average throughput: 412.70 Mbit/s
95th percentile per-packet one-way delay: 8.081 ms
Loss rate: 20.85%
-- Flow 3:
Average throughput: 319.70 Mbit/s
95th percentile per-packet one-way delay: 7.214 ms
Loss rate: 31.05%
```

Run 4: Report of TCP BBR — Data Link

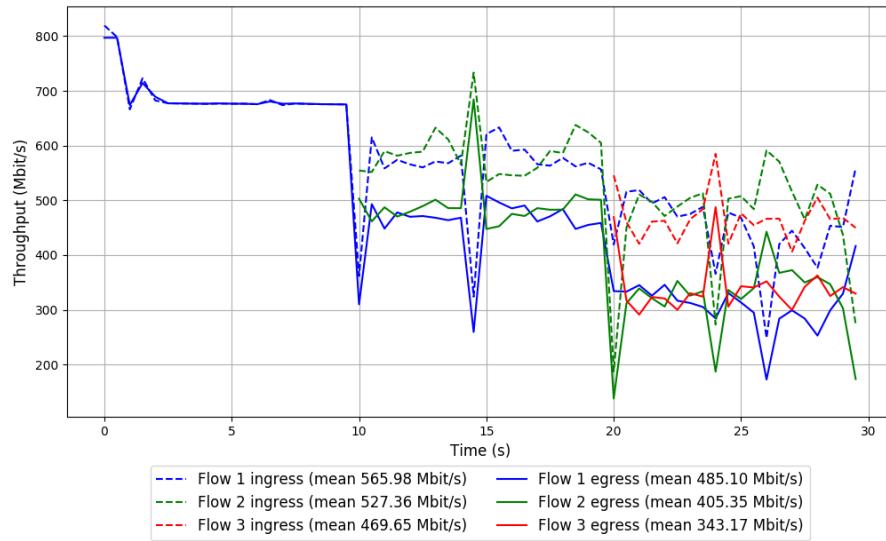


Run 5: Statistics of TCP BBR

```
Start at: 2017-10-12 08:13:50
End at: 2017-10-12 08:14:20
Local clock offset: -0.427 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-10-12 12:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 868.94 Mbit/s
95th percentile per-packet one-way delay: 11.894 ms
Loss rate: 19.01%
-- Flow 1:
Average throughput: 485.10 Mbit/s
95th percentile per-packet one-way delay: 11.969 ms
Loss rate: 14.27%
-- Flow 2:
Average throughput: 405.35 Mbit/s
95th percentile per-packet one-way delay: 8.090 ms
Loss rate: 23.12%
-- Flow 3:
Average throughput: 343.17 Mbit/s
95th percentile per-packet one-way delay: 6.114 ms
Loss rate: 26.92%
```

Run 5: Report of TCP BBR — Data Link

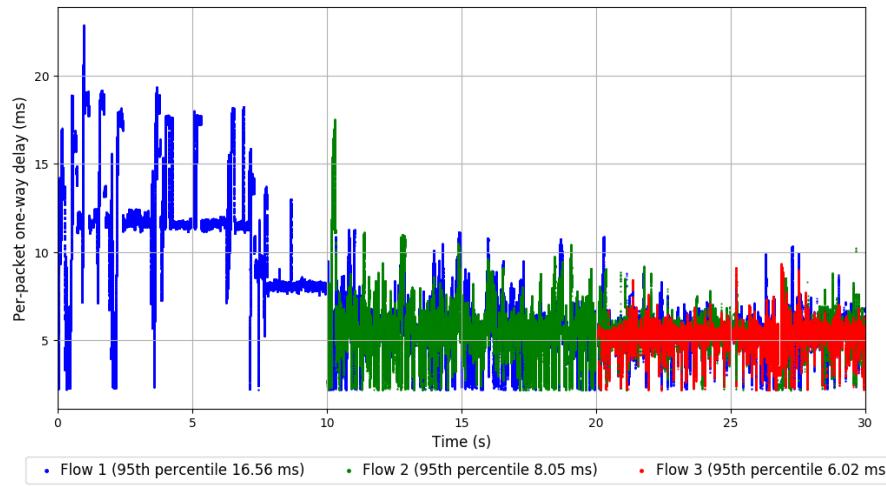
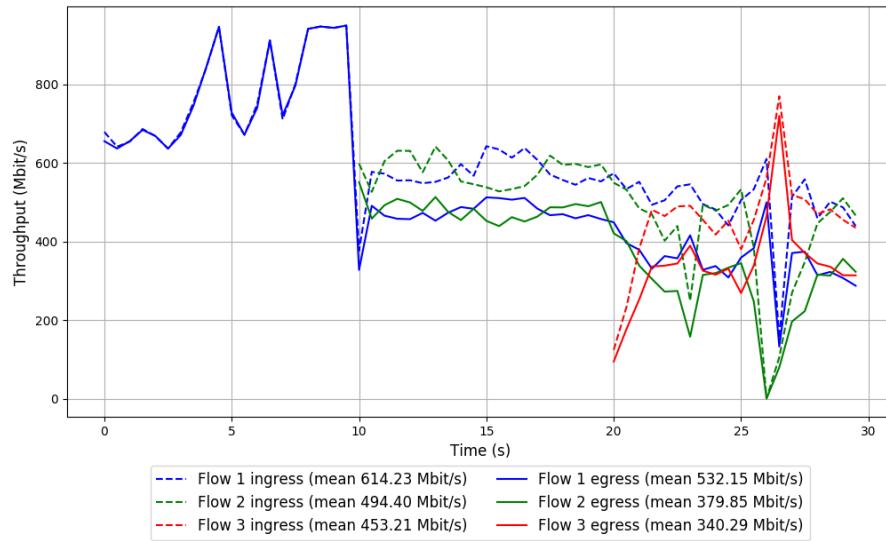


Run 6: Statistics of TCP BBR

```
Start at: 2017-10-12 08:34:16
End at: 2017-10-12 08:34:46
Local clock offset: -0.355 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2017-10-12 12:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 898.10 Mbit/s
95th percentile per-packet one-way delay: 13.454 ms
Loss rate: 17.89%
-- Flow 1:
Average throughput: 532.15 Mbit/s
95th percentile per-packet one-way delay: 16.563 ms
Loss rate: 13.36%
-- Flow 2:
Average throughput: 379.85 Mbit/s
95th percentile per-packet one-way delay: 8.051 ms
Loss rate: 23.15%
-- Flow 3:
Average throughput: 340.29 Mbit/s
95th percentile per-packet one-way delay: 6.018 ms
Loss rate: 24.91%
```

Run 6: Report of TCP BBR — Data Link

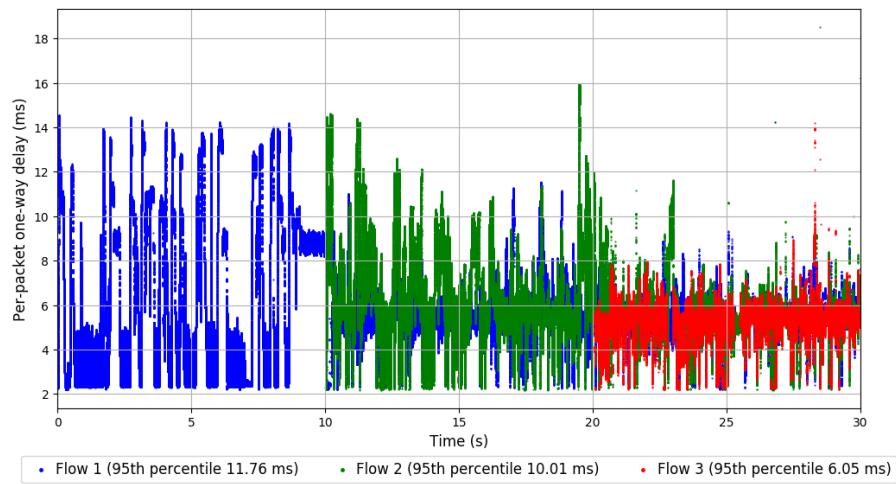
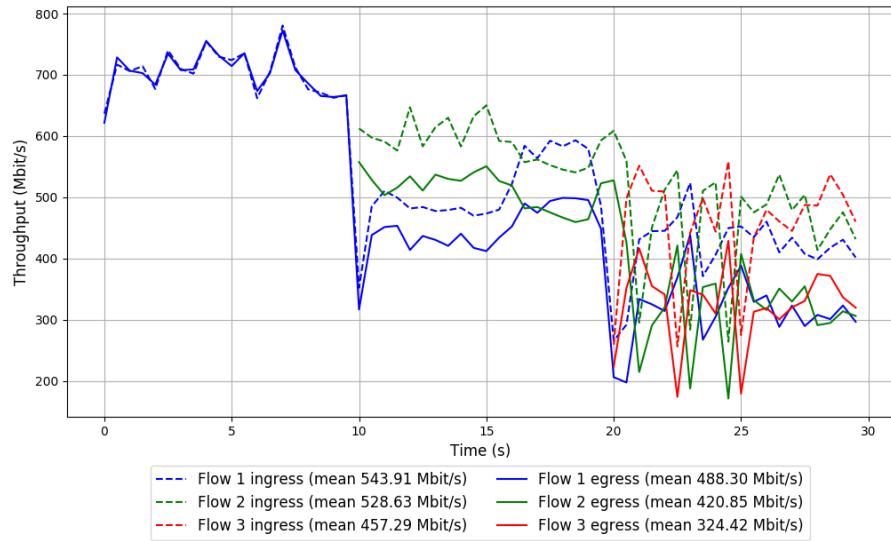


Run 7: Statistics of TCP BBR

```
Start at: 2017-10-12 08:54:26
End at: 2017-10-12 08:54:56
Local clock offset: -0.268 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2017-10-12 12:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 876.16 Mbit/s
95th percentile per-packet one-way delay: 10.754 ms
Loss rate: 16.34%
-- Flow 1:
Average throughput: 488.30 Mbit/s
95th percentile per-packet one-way delay: 11.757 ms
Loss rate: 10.19%
-- Flow 2:
Average throughput: 420.85 Mbit/s
95th percentile per-packet one-way delay: 10.009 ms
Loss rate: 20.38%
-- Flow 3:
Average throughput: 324.42 Mbit/s
95th percentile per-packet one-way delay: 6.050 ms
Loss rate: 29.05%
```

Run 7: Report of TCP BBR — Data Link

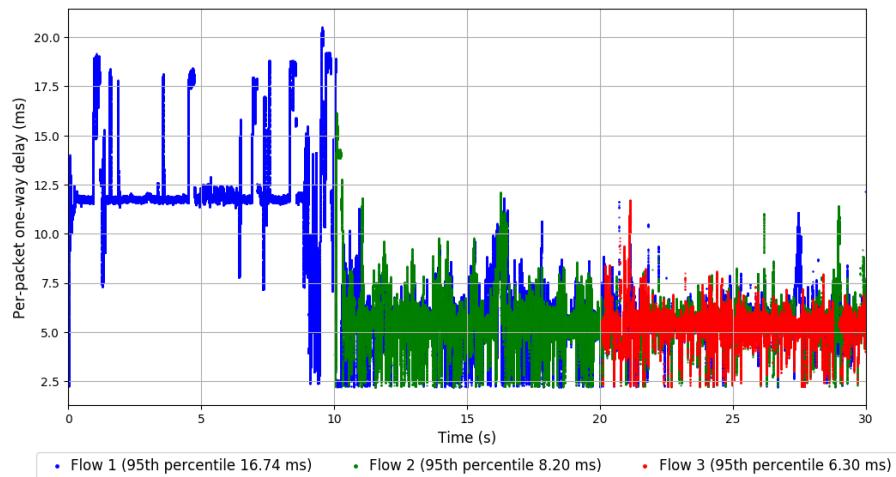
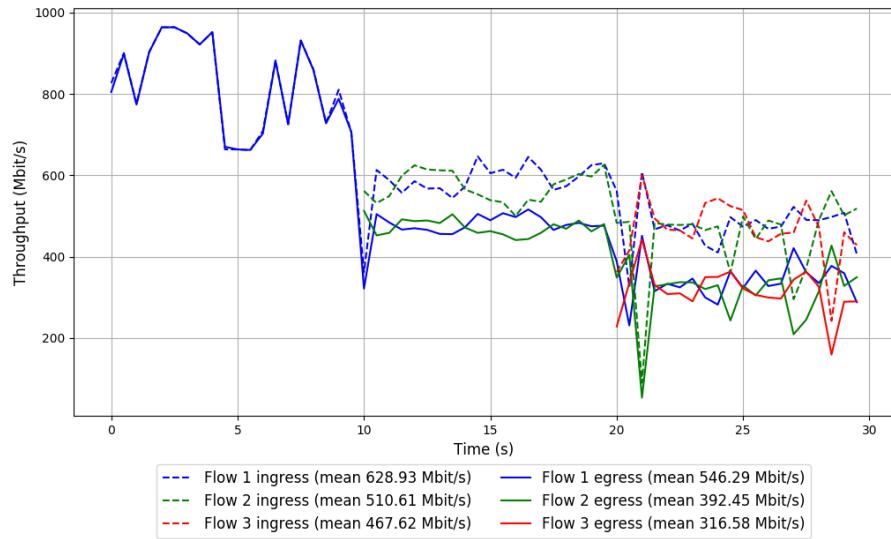


Run 8: Statistics of TCP BBR

```
Start at: 2017-10-12 09:14:46
End at: 2017-10-12 09:15:16
Local clock offset: -0.188 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-10-12 12:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 912.63 Mbit/s
95th percentile per-packet one-way delay: 12.745 ms
Loss rate: 18.79%
-- Flow 1:
Average throughput: 546.29 Mbit/s
95th percentile per-packet one-way delay: 16.736 ms
Loss rate: 13.11%
-- Flow 2:
Average throughput: 392.45 Mbit/s
95th percentile per-packet one-way delay: 8.204 ms
Loss rate: 23.14%
-- Flow 3:
Average throughput: 316.58 Mbit/s
95th percentile per-packet one-way delay: 6.299 ms
Loss rate: 32.29%
```

Run 8: Report of TCP BBR — Data Link

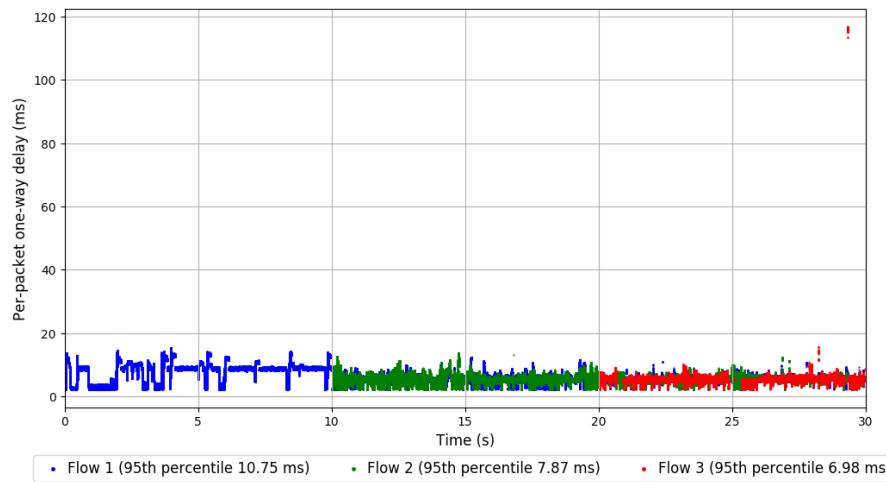
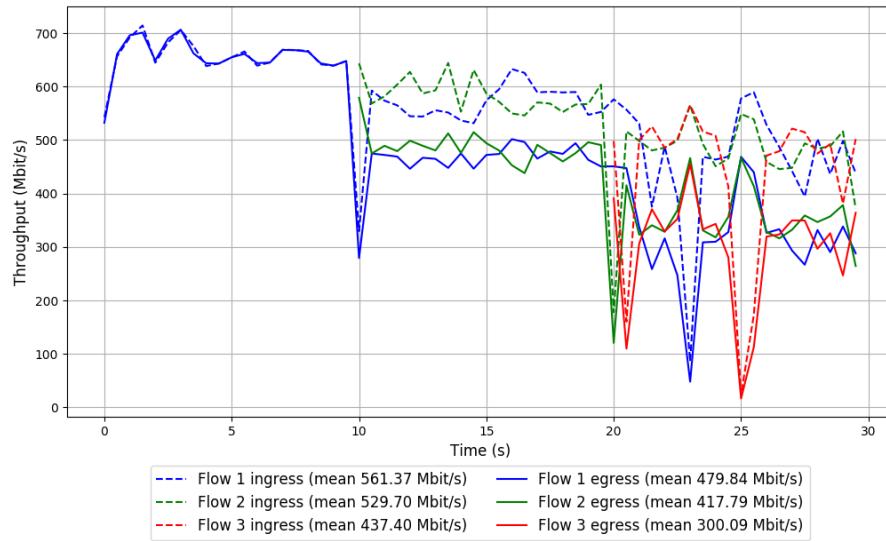


Run 9: Statistics of TCP BBR

```
Start at: 2017-10-12 09:34:59
End at: 2017-10-12 09:35:30
Local clock offset: -0.172 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2017-10-12 12:43:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 857.71 Mbit/s
95th percentile per-packet one-way delay: 9.913 ms
Loss rate: 19.02%
-- Flow 1:
Average throughput: 479.84 Mbit/s
95th percentile per-packet one-way delay: 10.750 ms
Loss rate: 14.51%
-- Flow 2:
Average throughput: 417.79 Mbit/s
95th percentile per-packet one-way delay: 7.874 ms
Loss rate: 21.11%
-- Flow 3:
Average throughput: 300.09 Mbit/s
95th percentile per-packet one-way delay: 6.979 ms
Loss rate: 31.37%
```

Run 9: Report of TCP BBR — Data Link

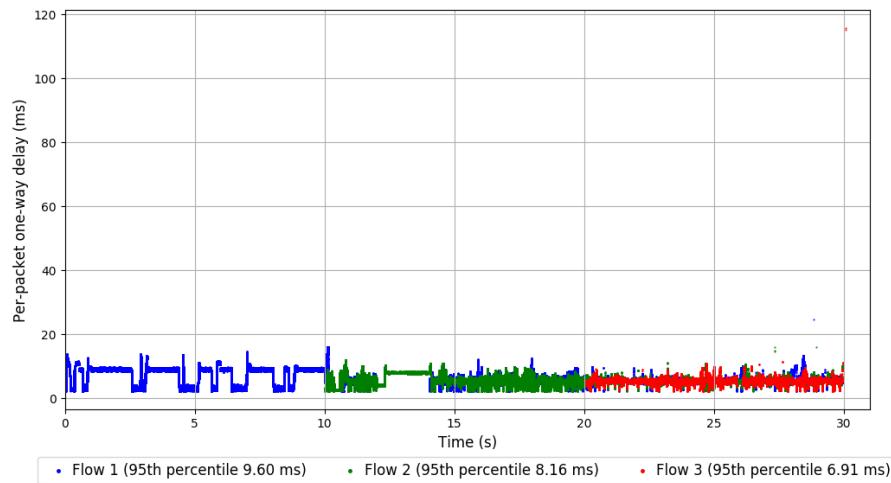
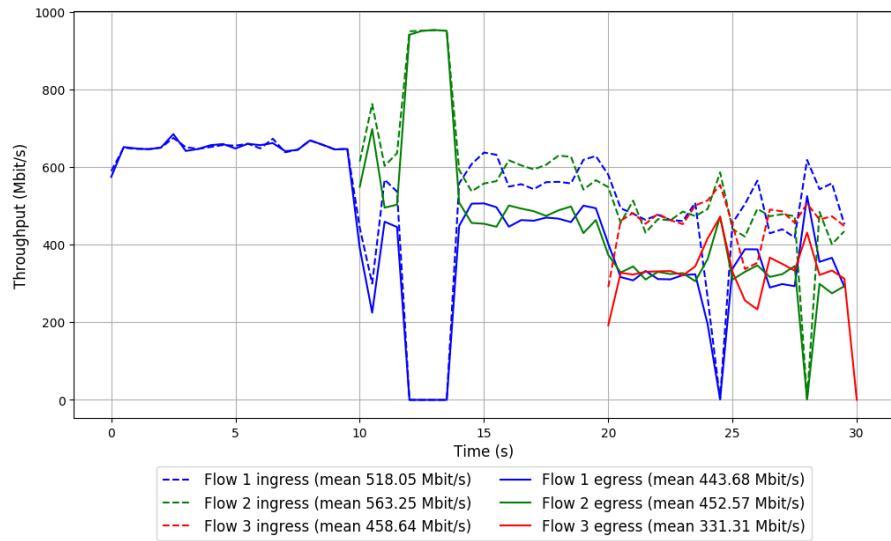


Run 10: Statistics of TCP BBR

```
Start at: 2017-10-12 09:55:09
End at: 2017-10-12 09:55:39
Local clock offset: -0.109 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2017-10-12 12:50:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 853.26 Mbit/s
95th percentile per-packet one-way delay: 9.293 ms
Loss rate: 18.09%
-- Flow 1:
Average throughput: 443.68 Mbit/s
95th percentile per-packet one-way delay: 9.603 ms
Loss rate: 14.35%
-- Flow 2:
Average throughput: 452.57 Mbit/s
95th percentile per-packet one-way delay: 8.161 ms
Loss rate: 19.64%
-- Flow 3:
Average throughput: 331.31 Mbit/s
95th percentile per-packet one-way delay: 6.905 ms
Loss rate: 27.00%
```

Run 10: Report of TCP BBR — Data Link

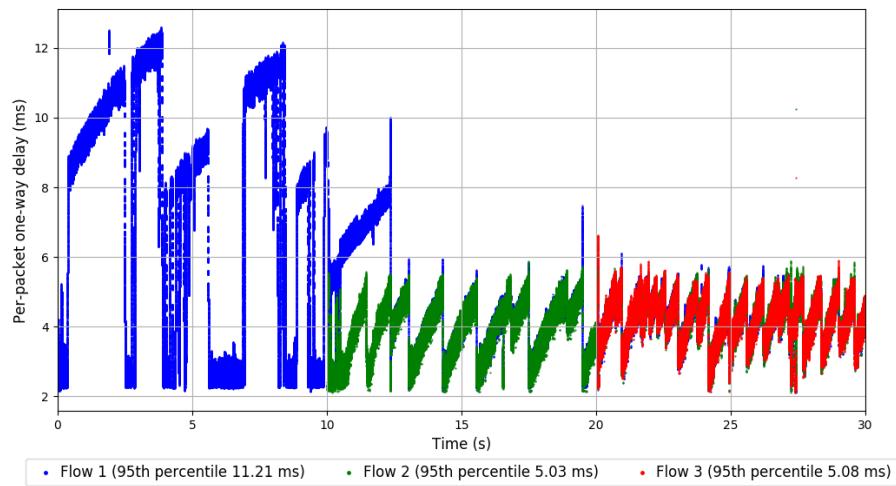
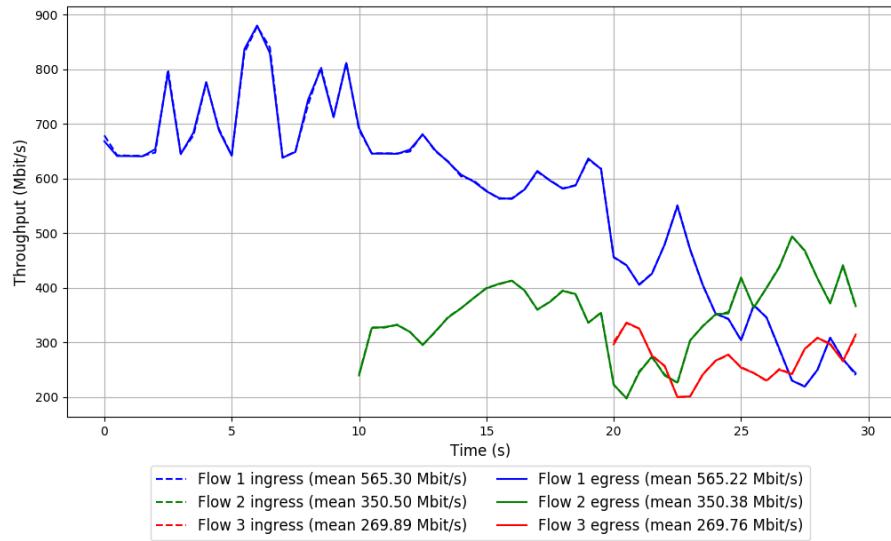


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-10-12 06:59:00
End at: 2017-10-12 06:59:30
Local clock offset: -0.344 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2017-10-12 12:50:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 888.11 Mbit/s
95th percentile per-packet one-way delay: 10.820 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 565.22 Mbit/s
95th percentile per-packet one-way delay: 11.212 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 350.38 Mbit/s
95th percentile per-packet one-way delay: 5.027 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 269.76 Mbit/s
95th percentile per-packet one-way delay: 5.083 ms
Loss rate: 0.03%
```

Run 1: Report of TCP Cubic — Data Link

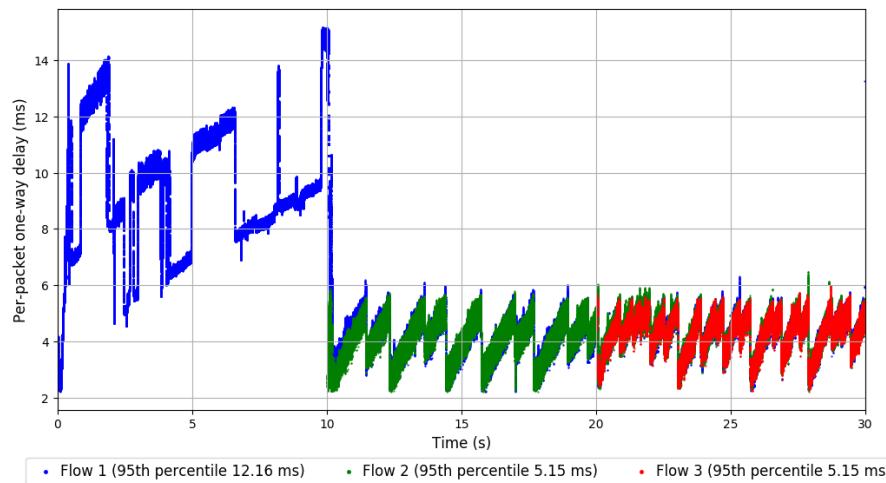
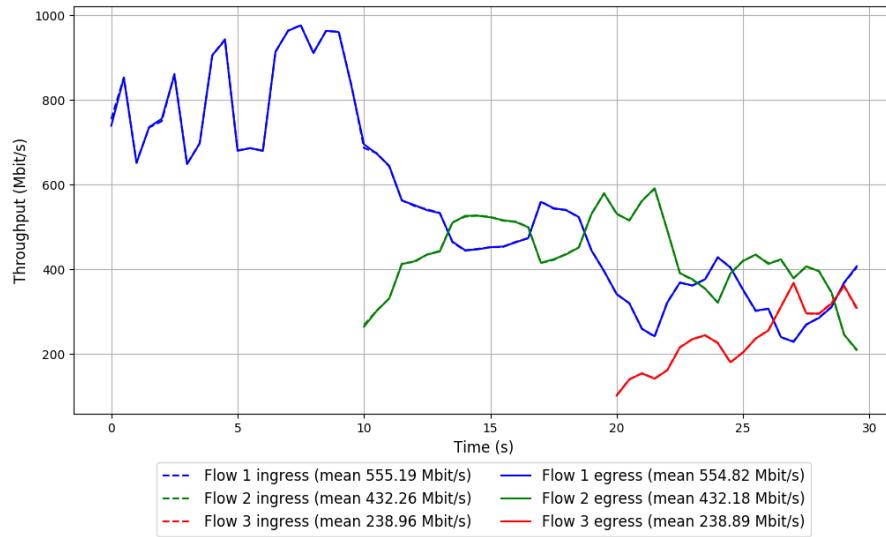


Run 2: Statistics of TCP Cubic

```
Start at: 2017-10-12 07:19:07
End at: 2017-10-12 07:19:37
Local clock offset: -0.385 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2017-10-12 12:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 921.93 Mbit/s
95th percentile per-packet one-way delay: 11.436 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 554.82 Mbit/s
95th percentile per-packet one-way delay: 12.156 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 432.18 Mbit/s
95th percentile per-packet one-way delay: 5.149 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 5.149 ms
Loss rate: 0.03%
```

Run 2: Report of TCP Cubic — Data Link

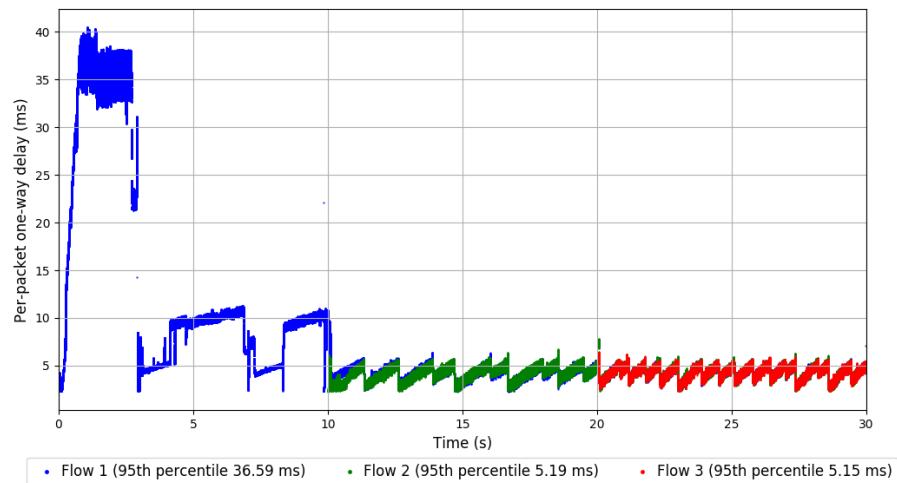
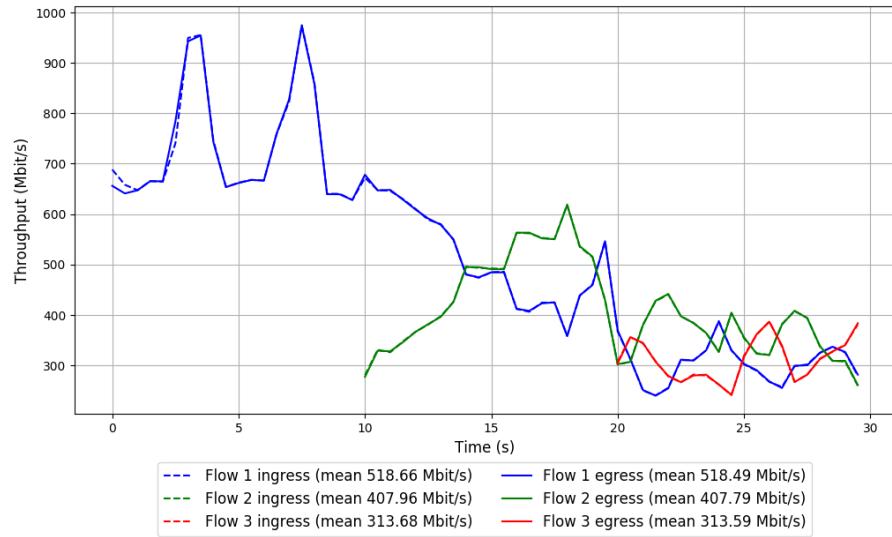


Run 3: Statistics of TCP Cubic

```
Start at: 2017-10-12 07:39:32
End at: 2017-10-12 07:40:02
Local clock offset: -0.448 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2017-10-12 12:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 894.13 Mbit/s
95th percentile per-packet one-way delay: 30.338 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 518.49 Mbit/s
95th percentile per-packet one-way delay: 36.595 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 407.79 Mbit/s
95th percentile per-packet one-way delay: 5.189 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 313.59 Mbit/s
95th percentile per-packet one-way delay: 5.148 ms
Loss rate: 0.03%
```

Run 3: Report of TCP Cubic — Data Link

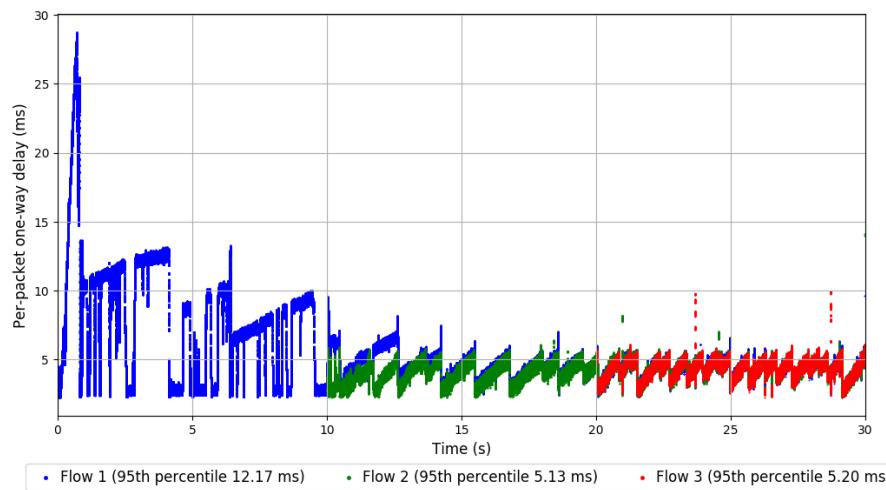
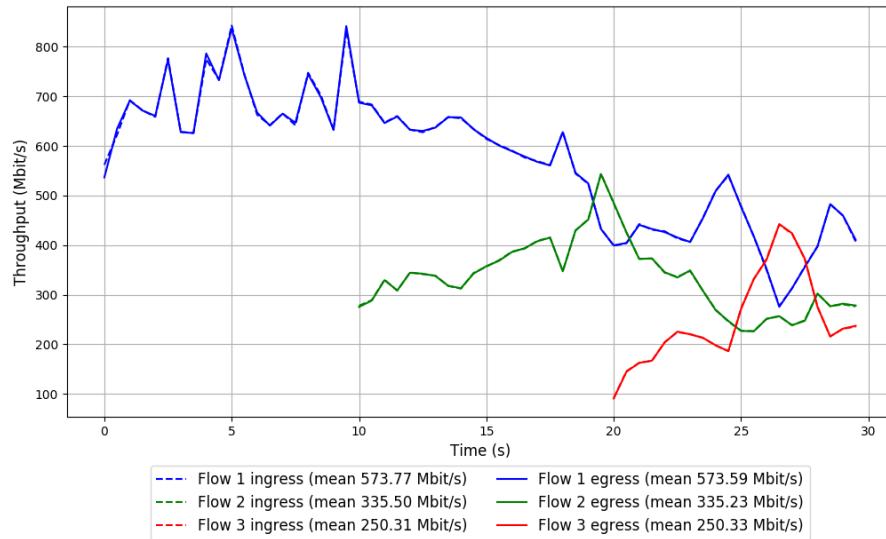


Run 4: Statistics of TCP Cubic

```
Start at: 2017-10-12 07:59:45
End at: 2017-10-12 08:00:15
Local clock offset: -0.436 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2017-10-12 12:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 879.99 Mbit/s
95th percentile per-packet one-way delay: 11.336 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 573.59 Mbit/s
95th percentile per-packet one-way delay: 12.172 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 335.23 Mbit/s
95th percentile per-packet one-way delay: 5.134 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 250.33 Mbit/s
95th percentile per-packet one-way delay: 5.195 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Cubic — Data Link

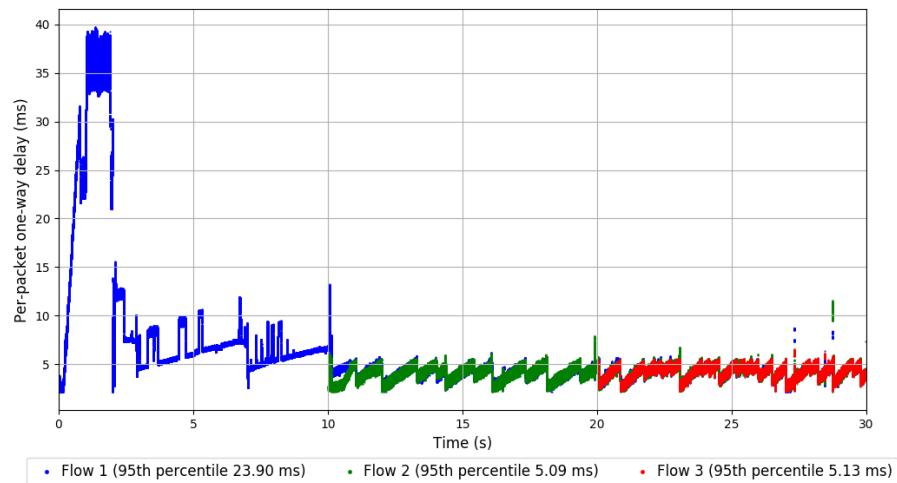
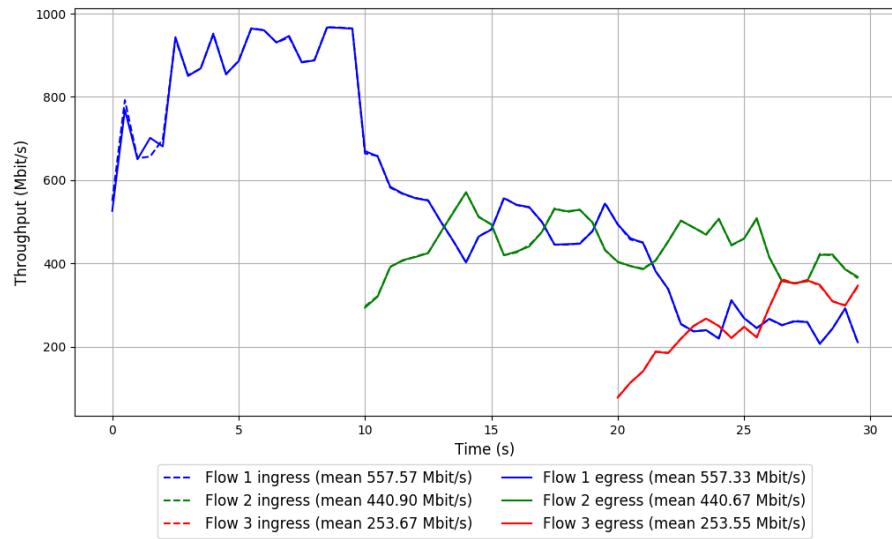


Run 5: Statistics of TCP Cubic

```
Start at: 2017-10-12 08:20:05
End at: 2017-10-12 08:20:35
Local clock offset: -0.336 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2017-10-12 12:51:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 934.91 Mbit/s
95th percentile per-packet one-way delay: 11.446 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 557.33 Mbit/s
95th percentile per-packet one-way delay: 23.904 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 440.67 Mbit/s
95th percentile per-packet one-way delay: 5.090 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 253.55 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Cubic — Data Link

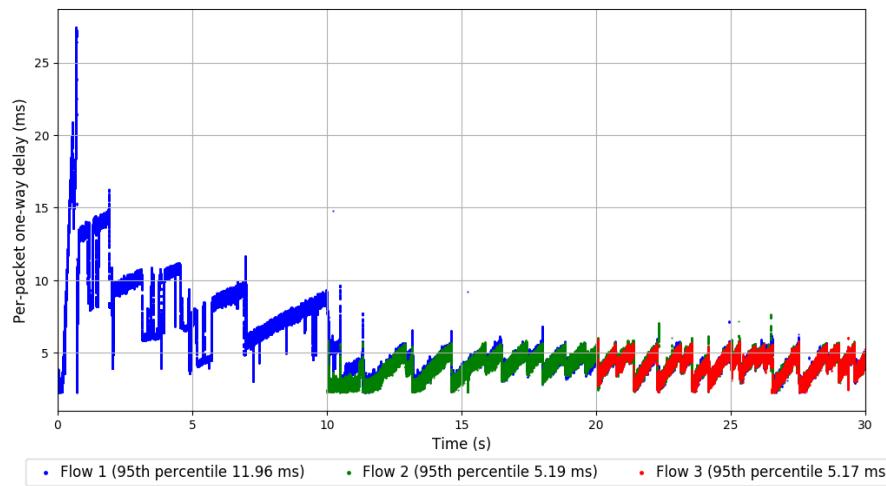
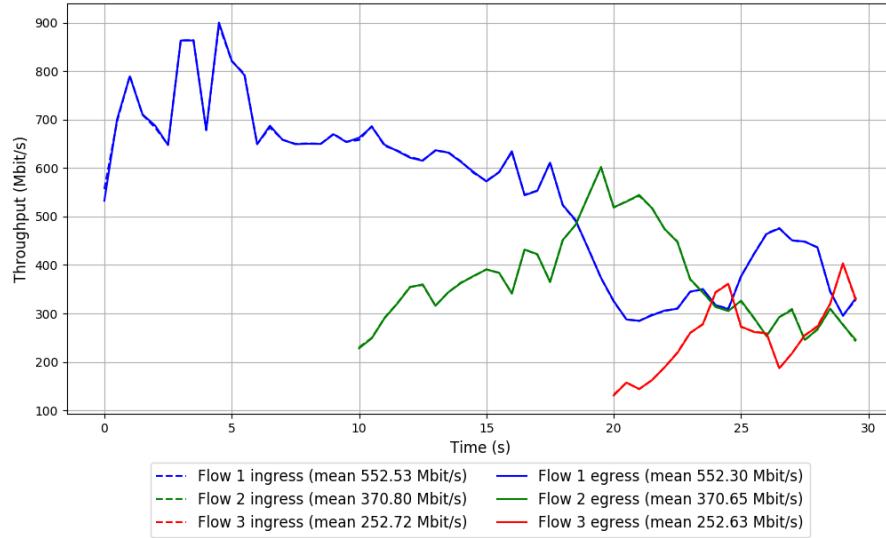


Run 6: Statistics of TCP Cubic

```
Start at: 2017-10-12 08:40:18
End at: 2017-10-12 08:40:48
Local clock offset: -0.345 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2017-10-12 12:51:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 882.88 Mbit/s
95th percentile per-packet one-way delay: 10.288 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 552.30 Mbit/s
95th percentile per-packet one-way delay: 11.963 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 370.65 Mbit/s
95th percentile per-packet one-way delay: 5.190 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 252.63 Mbit/s
95th percentile per-packet one-way delay: 5.175 ms
Loss rate: 0.03%
```

Run 6: Report of TCP Cubic — Data Link

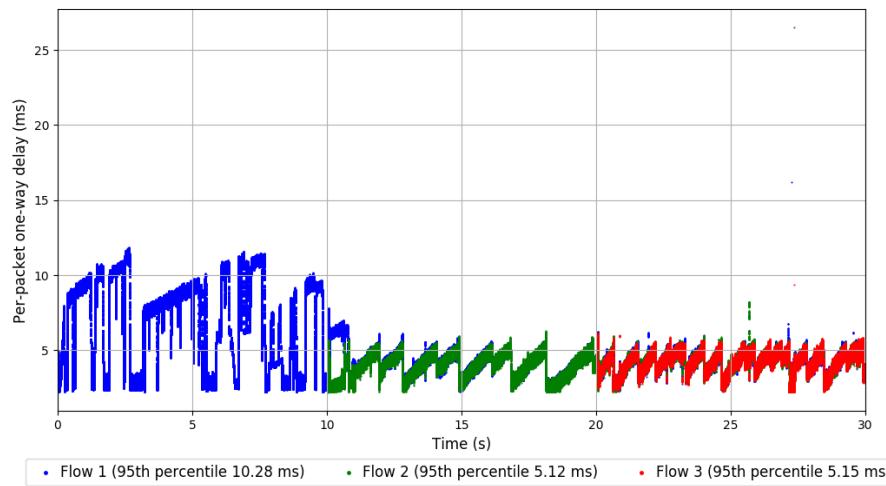
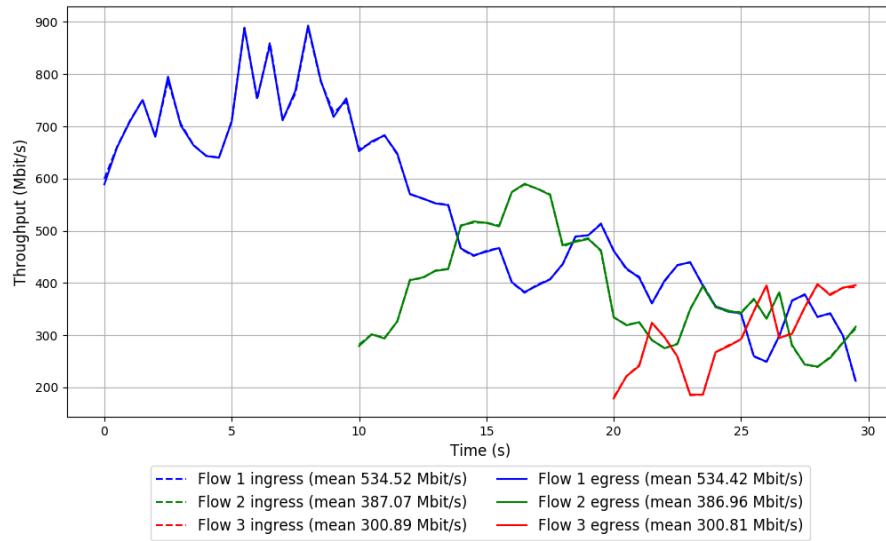


Run 7: Statistics of TCP Cubic

```
Start at: 2017-10-12 09:00:34
End at: 2017-10-12 09:01:04
Local clock offset: -0.24 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2017-10-12 12:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 891.84 Mbit/s
95th percentile per-packet one-way delay: 9.555 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 534.42 Mbit/s
95th percentile per-packet one-way delay: 10.283 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 386.96 Mbit/s
95th percentile per-packet one-way delay: 5.117 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 300.81 Mbit/s
95th percentile per-packet one-way delay: 5.151 ms
Loss rate: 0.03%
```

Run 7: Report of TCP Cubic — Data Link

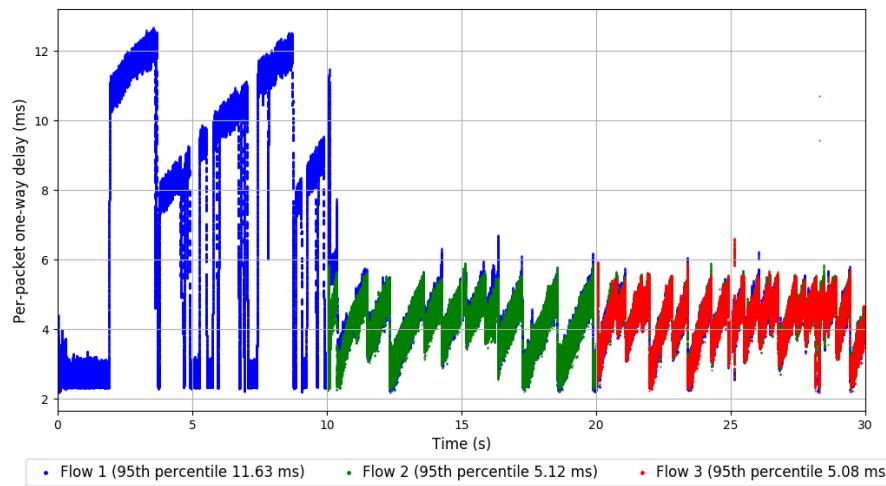
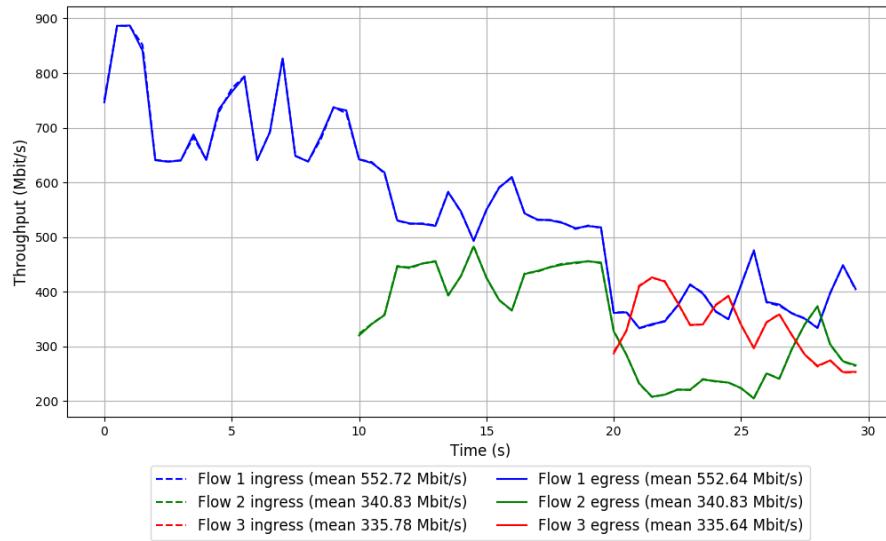


Run 8: Statistics of TCP Cubic

```
Start at: 2017-10-12 09:20:50
End at: 2017-10-12 09:21:20
Local clock offset: -0.128 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2017-10-12 13:03:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 891.08 Mbit/s
95th percentile per-packet one-way delay: 11.304 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 552.64 Mbit/s
95th percentile per-packet one-way delay: 11.634 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 340.83 Mbit/s
95th percentile per-packet one-way delay: 5.124 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 335.64 Mbit/s
95th percentile per-packet one-way delay: 5.080 ms
Loss rate: 0.02%
```

Run 8: Report of TCP Cubic — Data Link

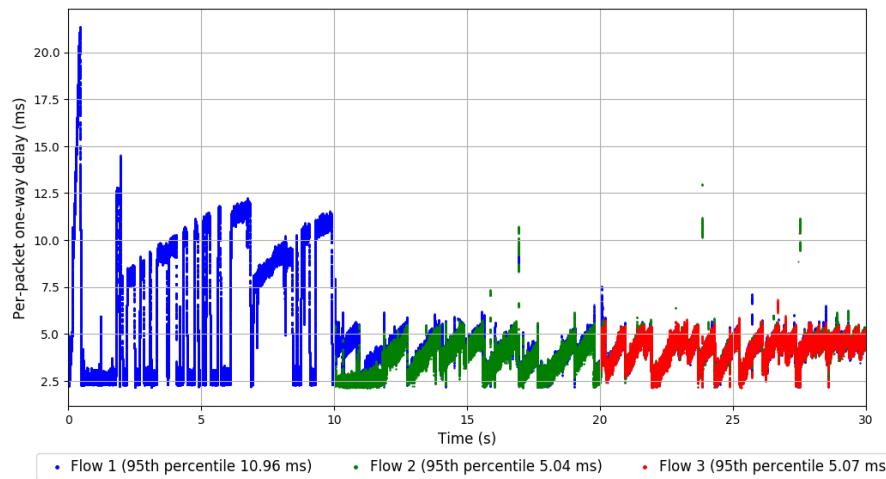
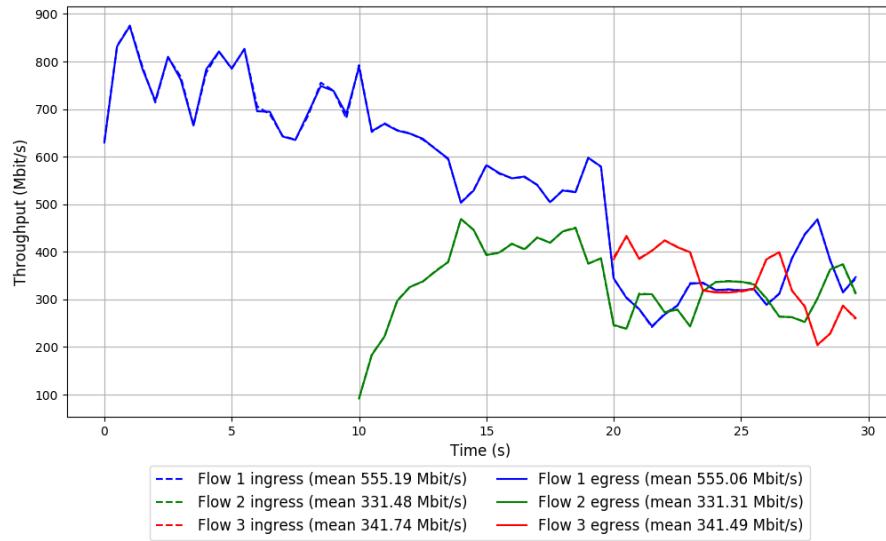


Run 9: Statistics of TCP Cubic

```
Start at: 2017-10-12 09:41:04
End at: 2017-10-12 09:41:34
Local clock offset: -0.086 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2017-10-12 13:03:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 889.04 Mbit/s
95th percentile per-packet one-way delay: 10.372 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 555.06 Mbit/s
95th percentile per-packet one-way delay: 10.961 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 331.31 Mbit/s
95th percentile per-packet one-way delay: 5.040 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 5.069 ms
Loss rate: 0.06%
```

Run 9: Report of TCP Cubic — Data Link

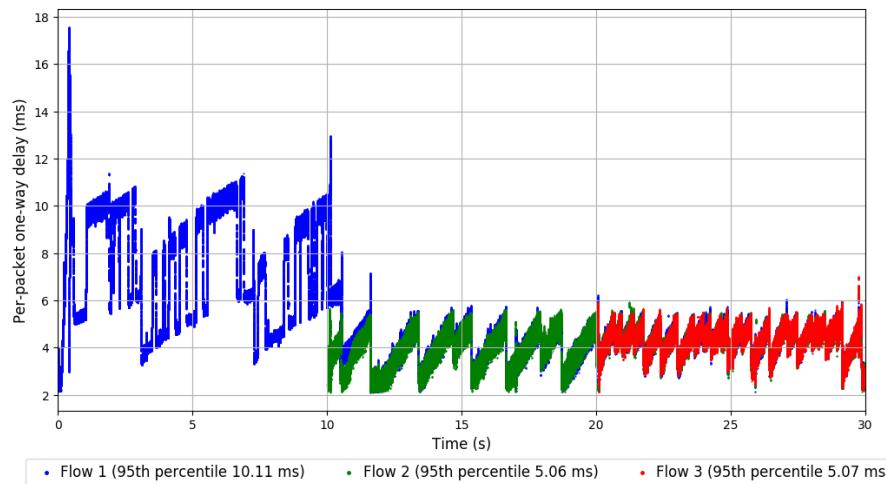
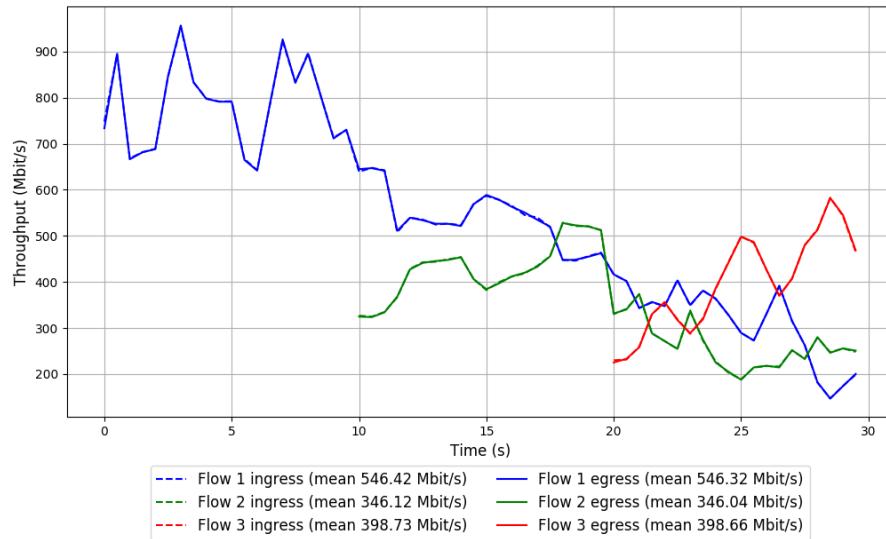


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-10-12 10:01:07
End at: 2017-10-12 10:01:37
Local clock offset: -0.037 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2017-10-12 13:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.09 Mbit/s
95th percentile per-packet one-way delay: 9.877 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 546.32 Mbit/s
95th percentile per-packet one-way delay: 10.110 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 346.04 Mbit/s
95th percentile per-packet one-way delay: 5.056 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 398.66 Mbit/s
95th percentile per-packet one-way delay: 5.071 ms
Loss rate: 0.02%
```

Run 10: Report of TCP Cubic — Data Link

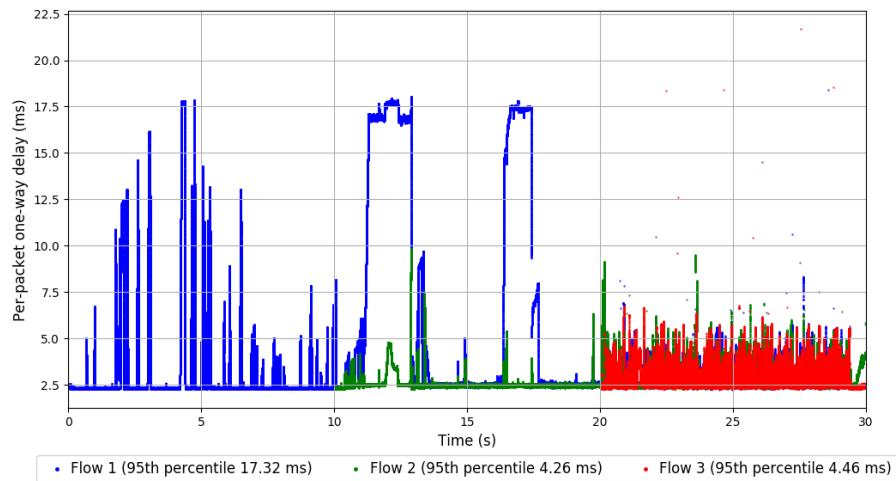
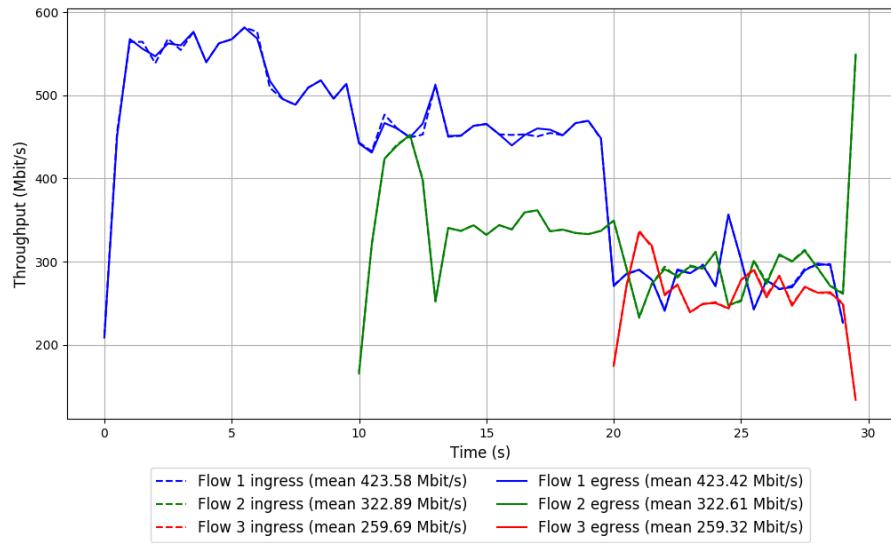


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-10-12 07:08:40
End at: 2017-10-12 07:09:10
Local clock offset: -0.44 ms
Remote clock offset: -0.283 ms

# Below is generated by plot.py at 2017-10-12 13:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 715.65 Mbit/s
95th percentile per-packet one-way delay: 16.794 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 423.42 Mbit/s
95th percentile per-packet one-way delay: 17.315 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 322.61 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 259.32 Mbit/s
95th percentile per-packet one-way delay: 4.457 ms
Loss rate: 0.14%
```

Run 1: Report of LEDBAT — Data Link

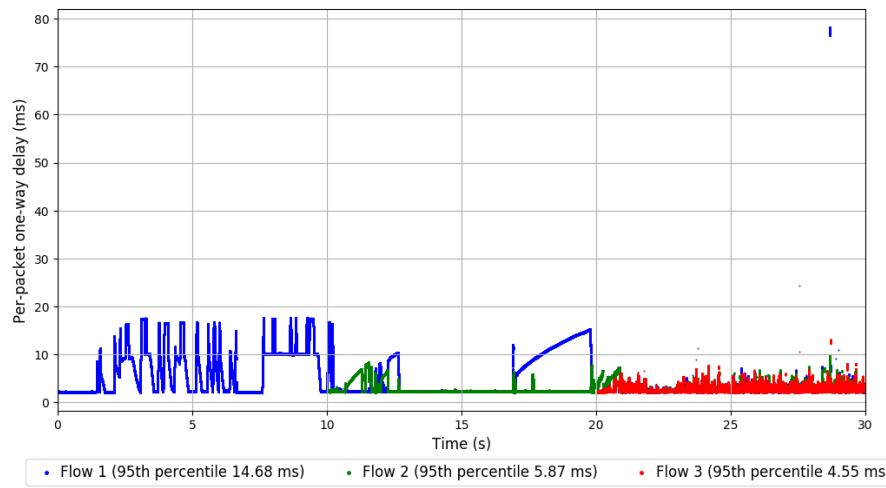
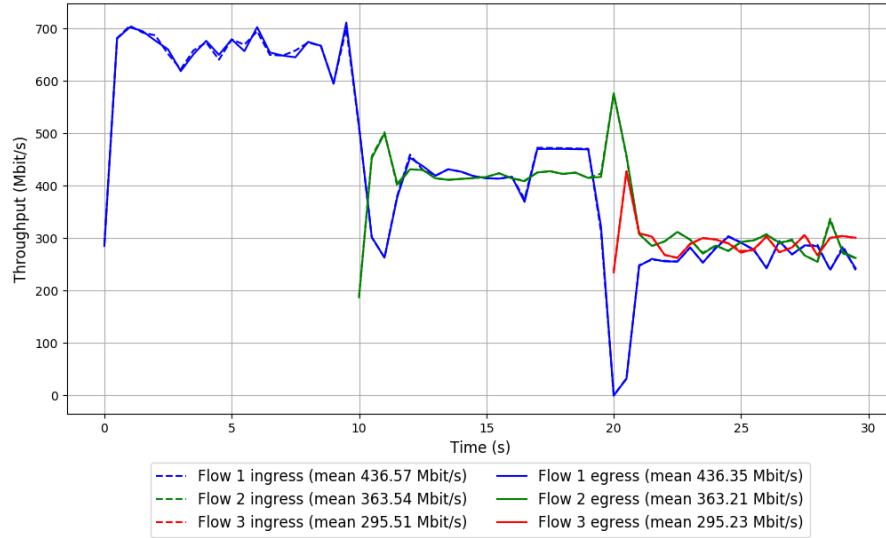


Run 2: Statistics of LEDBAT

```
Start at: 2017-10-12 07:28:53
End at: 2017-10-12 07:29:23
Local clock offset: -0.368 ms
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2017-10-12 13:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 776.26 Mbit/s
95th percentile per-packet one-way delay: 12.522 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 436.35 Mbit/s
95th percentile per-packet one-way delay: 14.682 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 363.21 Mbit/s
95th percentile per-packet one-way delay: 5.871 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 295.23 Mbit/s
95th percentile per-packet one-way delay: 4.553 ms
Loss rate: 0.09%
```

Run 2: Report of LEDBAT — Data Link

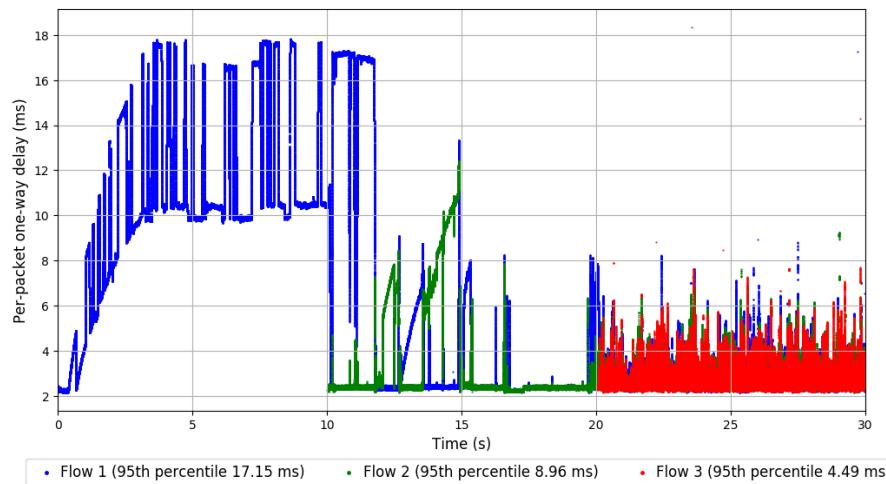
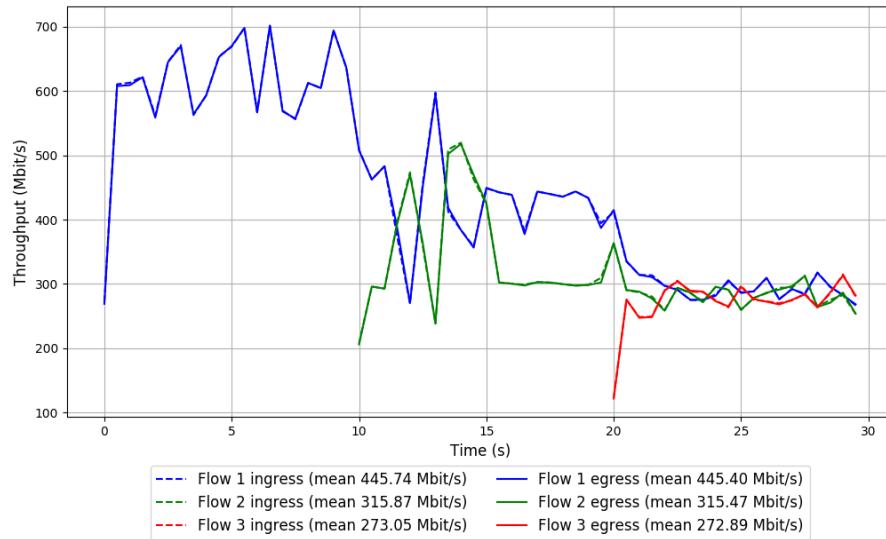


Run 3: Statistics of LEDBAT

```
Start at: 2017-10-12 07:49:20
End at: 2017-10-12 07:49:50
Local clock offset: -0.37 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2017-10-12 13:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 745.89 Mbit/s
95th percentile per-packet one-way delay: 16.803 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 445.40 Mbit/s
95th percentile per-packet one-way delay: 17.154 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 315.47 Mbit/s
95th percentile per-packet one-way delay: 8.963 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 272.89 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.09%
```

Run 3: Report of LEDBAT — Data Link

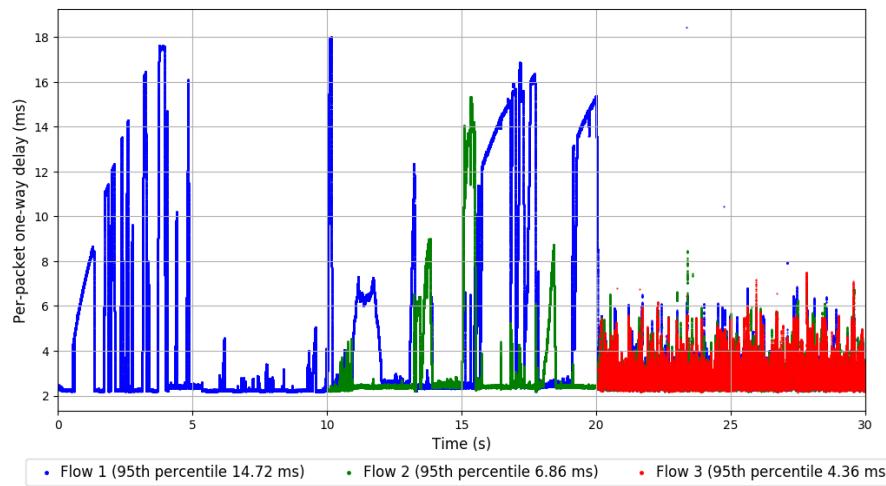
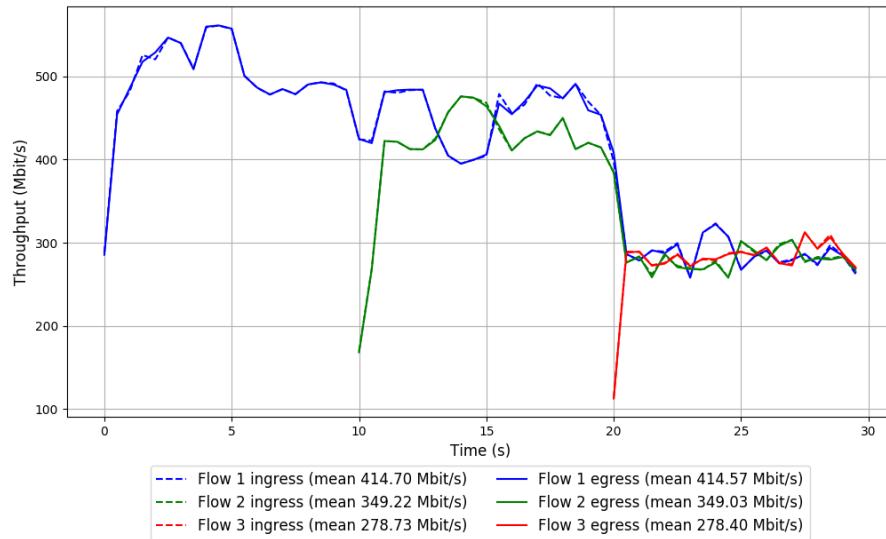


Run 4: Statistics of LEDBAT

```
Start at: 2017-10-12 08:09:28
End at: 2017-10-12 08:09:58
Local clock offset: -0.359 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2017-10-12 13:04:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 739.24 Mbit/s
95th percentile per-packet one-way delay: 13.671 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 414.57 Mbit/s
95th percentile per-packet one-way delay: 14.722 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 349.03 Mbit/s
95th percentile per-packet one-way delay: 6.861 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 278.40 Mbit/s
95th percentile per-packet one-way delay: 4.360 ms
Loss rate: 0.12%
```

Run 4: Report of LEDBAT — Data Link

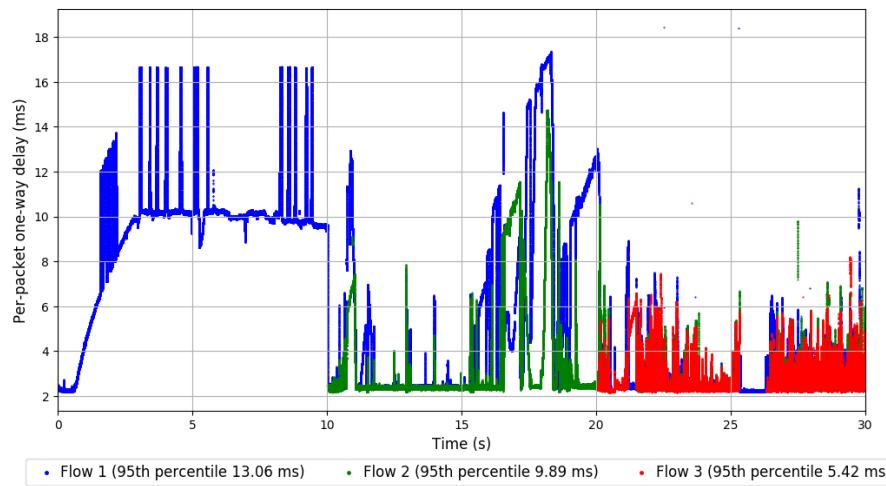
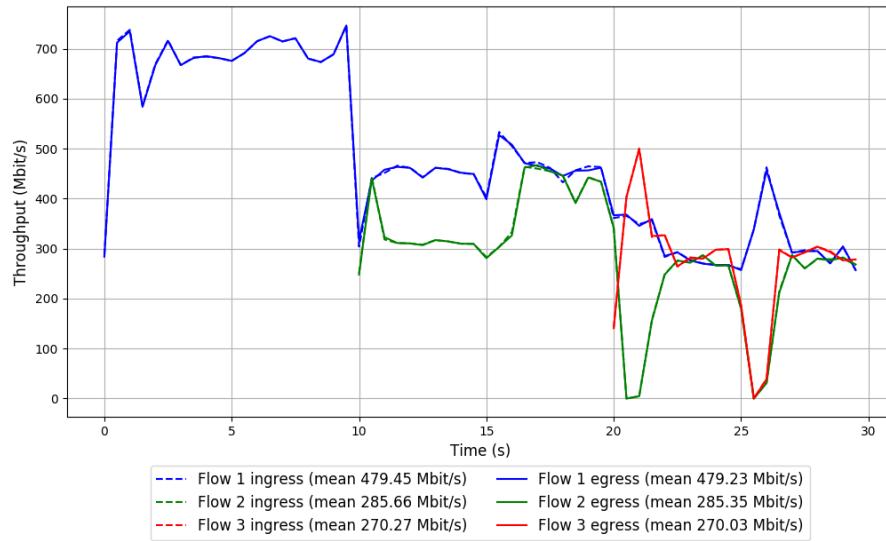


Run 5: Statistics of LEDBAT

```
Start at: 2017-10-12 08:29:52
End at: 2017-10-12 08:30:22
Local clock offset: -0.346 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2017-10-12 13:08:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 758.66 Mbit/s
95th percentile per-packet one-way delay: 11.887 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 479.23 Mbit/s
95th percentile per-packet one-way delay: 13.060 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 285.35 Mbit/s
95th percentile per-packet one-way delay: 9.891 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 270.03 Mbit/s
95th percentile per-packet one-way delay: 5.416 ms
Loss rate: 0.08%
```

Run 5: Report of LEDBAT — Data Link

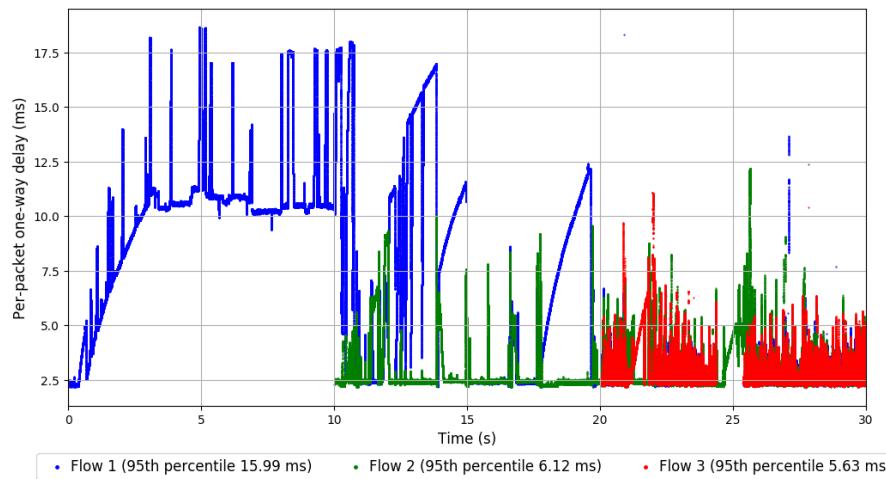
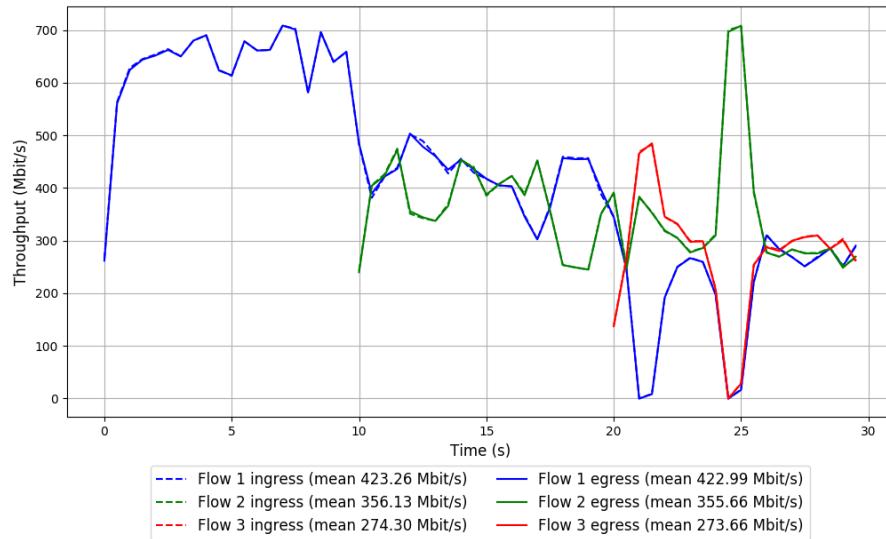


Run 6: Statistics of LEDBAT

```
Start at: 2017-10-12 08:50:04
End at: 2017-10-12 08:50:34
Local clock offset: -0.237 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-10-12 13:12:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 750.73 Mbit/s
95th percentile per-packet one-way delay: 12.643 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 422.99 Mbit/s
95th percentile per-packet one-way delay: 15.986 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 355.66 Mbit/s
95th percentile per-packet one-way delay: 6.119 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 273.66 Mbit/s
95th percentile per-packet one-way delay: 5.634 ms
Loss rate: 0.21%
```

Run 6: Report of LEDBAT — Data Link

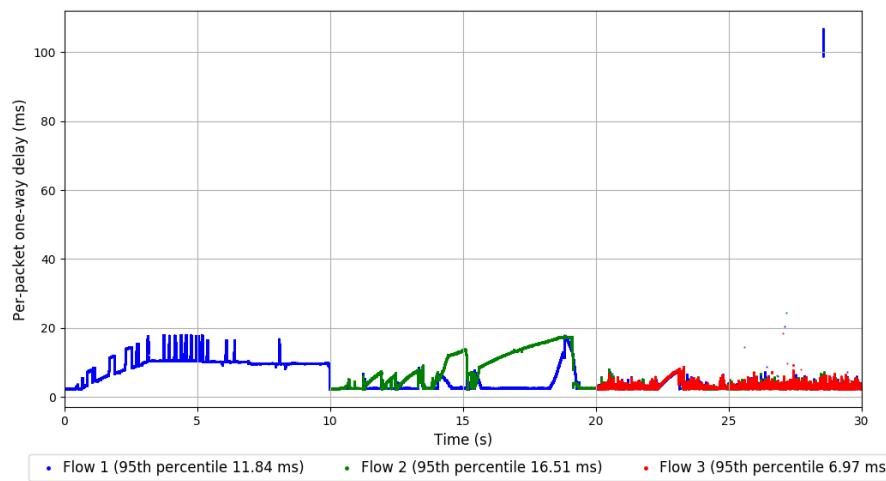
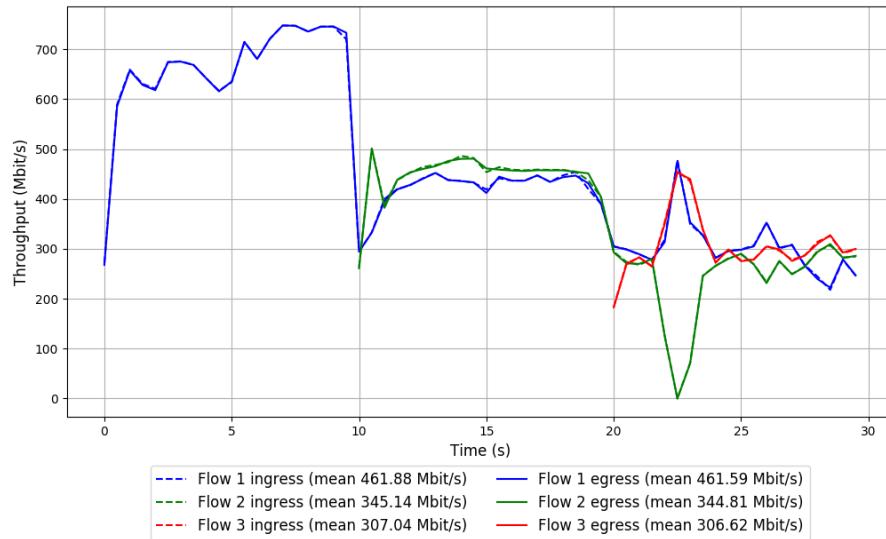


Run 7: Statistics of LEDBAT

```
Start at: 2017-10-12 09:10:21
End at: 2017-10-12 09:10:51
Local clock offset: -0.242 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2017-10-12 13:14:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.02 Mbit/s
95th percentile per-packet one-way delay: 14.435 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 461.59 Mbit/s
95th percentile per-packet one-way delay: 11.836 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 344.81 Mbit/s
95th percentile per-packet one-way delay: 16.506 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 306.62 Mbit/s
95th percentile per-packet one-way delay: 6.973 ms
Loss rate: 0.13%
```

Run 7: Report of LEDBAT — Data Link

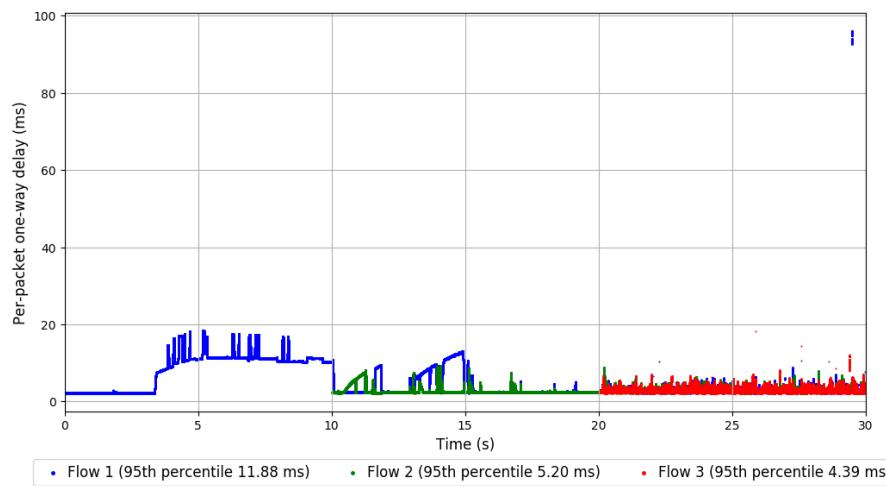
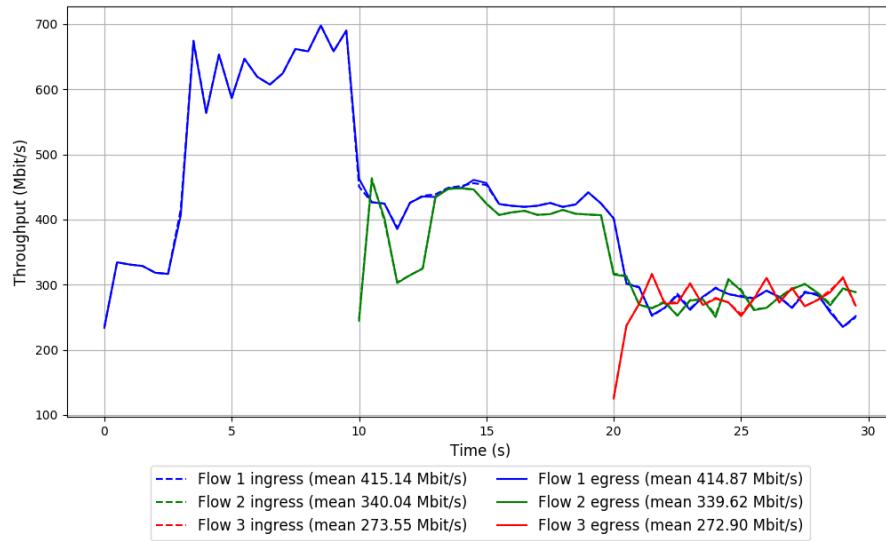


Run 8: Statistics of LEDBAT

```
Start at: 2017-10-12 09:30:38
End at: 2017-10-12 09:31:08
Local clock offset: -0.112 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2017-10-12 13:14:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 731.63 Mbit/s
95th percentile per-packet one-way delay: 11.429 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 414.87 Mbit/s
95th percentile per-packet one-way delay: 11.881 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 339.62 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 272.90 Mbit/s
95th percentile per-packet one-way delay: 4.395 ms
Loss rate: 0.23%
```

Run 8: Report of LEDBAT — Data Link

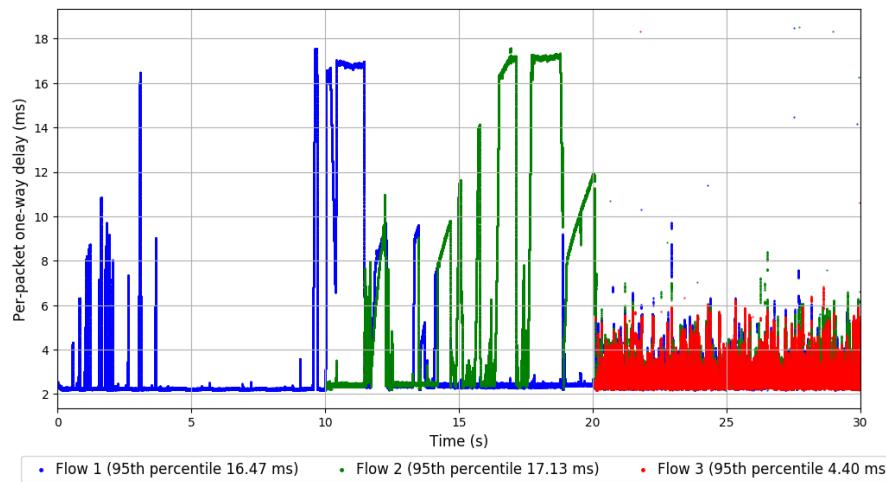
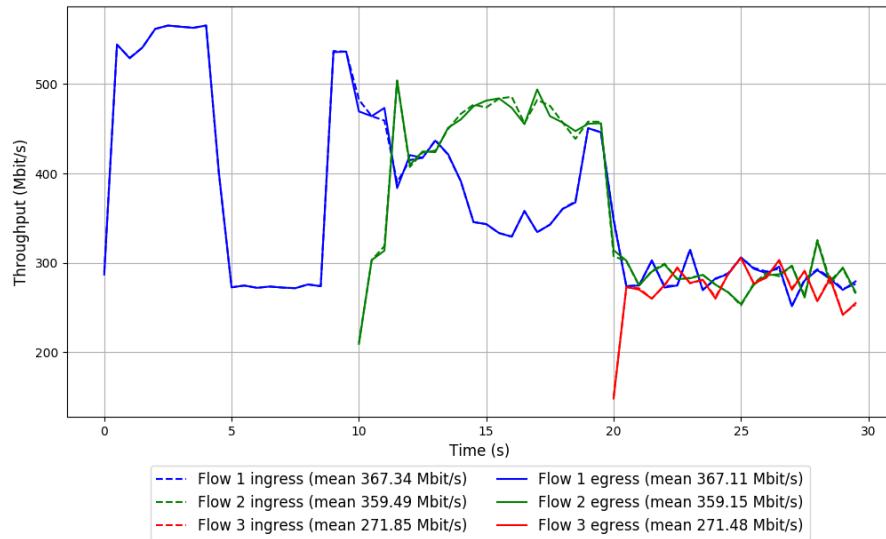


Run 9: Statistics of LEDBAT

```
Start at: 2017-10-12 09:50:50
End at: 2017-10-12 09:51:20
Local clock offset: -0.061 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 13:14:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.25 Mbit/s
95th percentile per-packet one-way delay: 16.784 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 367.11 Mbit/s
95th percentile per-packet one-way delay: 16.470 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 359.15 Mbit/s
95th percentile per-packet one-way delay: 17.133 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 271.48 Mbit/s
95th percentile per-packet one-way delay: 4.402 ms
Loss rate: 0.12%
```

Run 9: Report of LEDBAT — Data Link

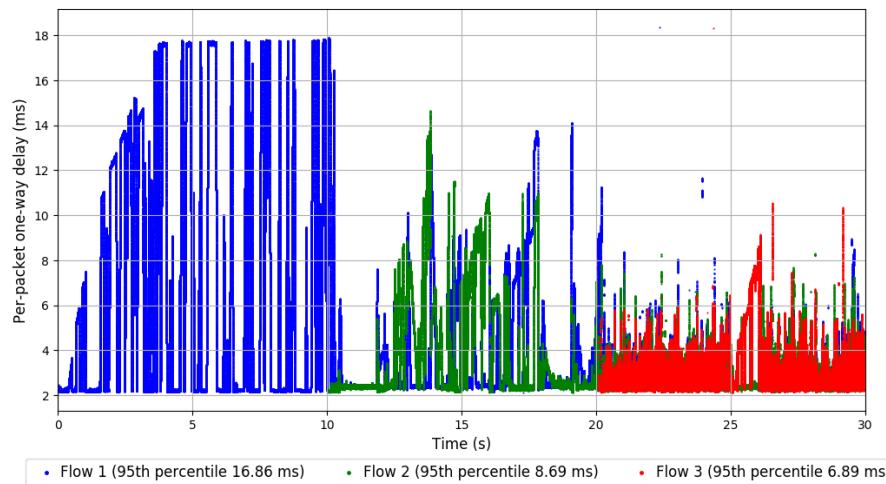
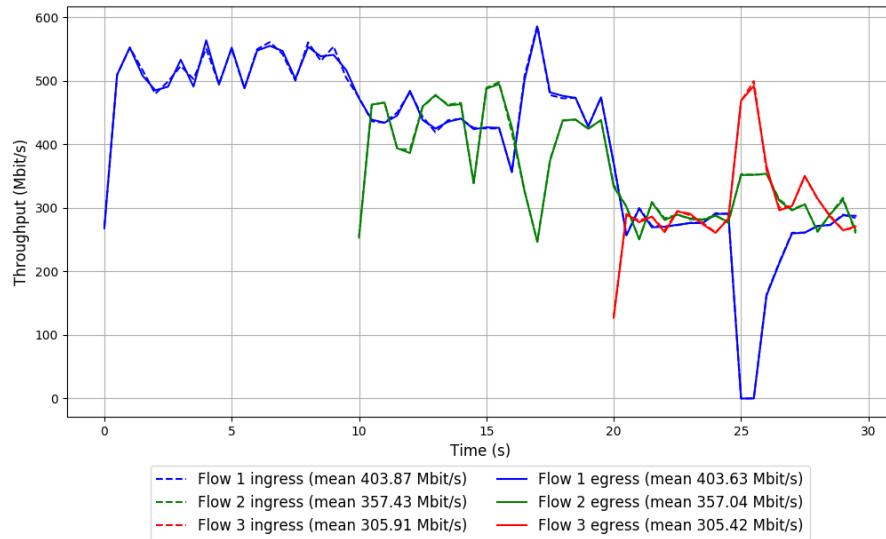


Run 10: Statistics of LEDBAT

```
Start at: 2017-10-12 10:10:53
End at: 2017-10-12 10:11:23
Local clock offset: -0.021 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2017-10-12 13:14:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 742.50 Mbit/s
95th percentile per-packet one-way delay: 13.366 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 403.63 Mbit/s
95th percentile per-packet one-way delay: 16.859 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 357.04 Mbit/s
95th percentile per-packet one-way delay: 8.691 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 305.42 Mbit/s
95th percentile per-packet one-way delay: 6.892 ms
Loss rate: 0.16%
```

Run 10: Report of LEDBAT — Data Link

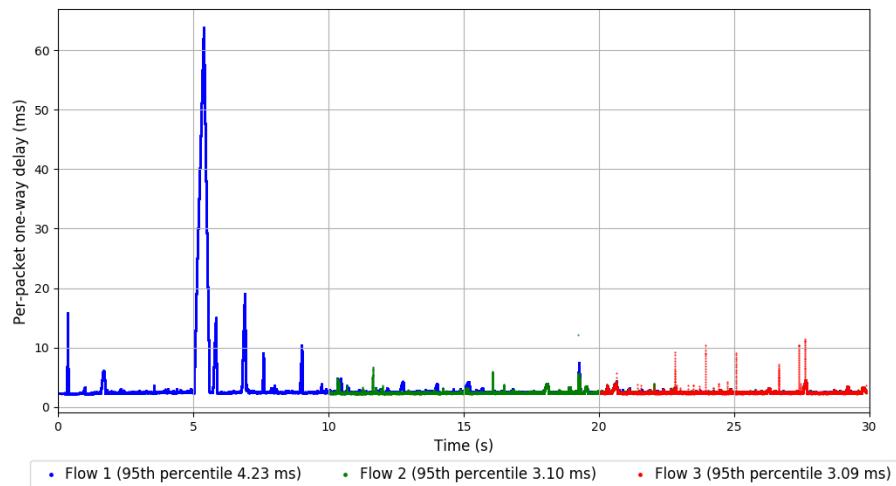
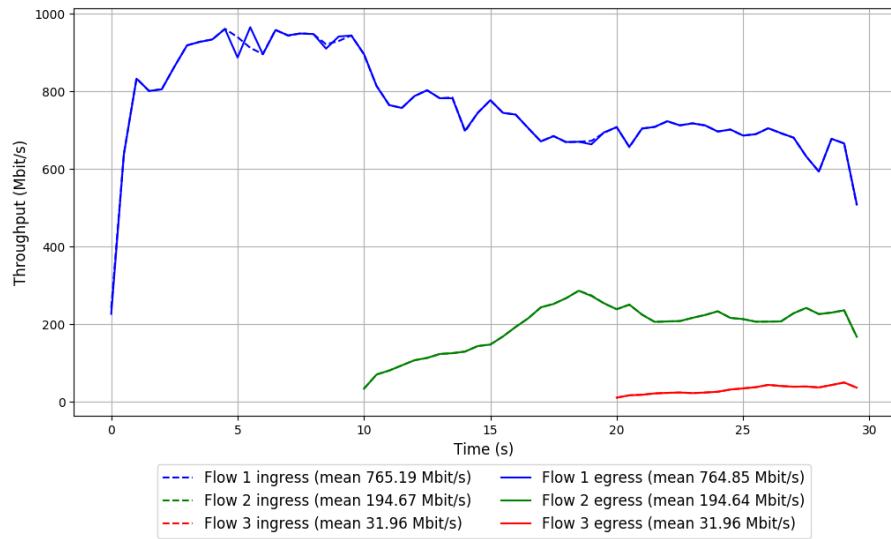


Run 1: Statistics of PCC

```
Start at: 2017-10-12 06:51:42
End at: 2017-10-12 06:52:12
Local clock offset: -0.353 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2017-10-12 13:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 904.66 Mbit/s
95th percentile per-packet one-way delay: 3.900 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 764.85 Mbit/s
95th percentile per-packet one-way delay: 4.232 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 194.64 Mbit/s
95th percentile per-packet one-way delay: 3.099 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 3.090 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

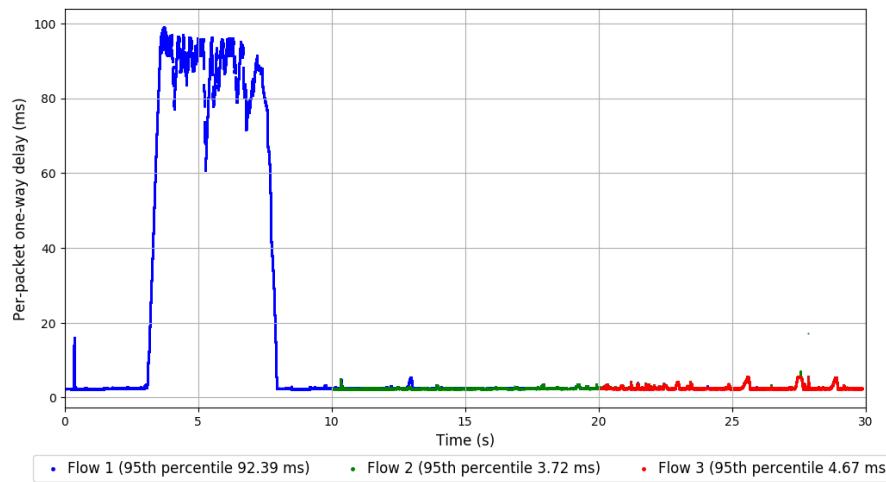
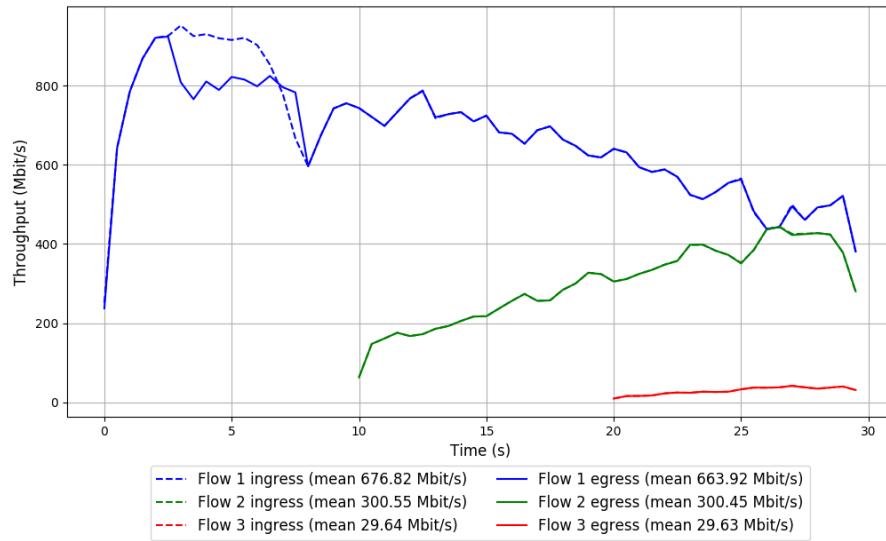


Run 2: Statistics of PCC

```
Start at: 2017-10-12 07:11:29
End at: 2017-10-12 07:11:59
Local clock offset: -0.406 ms
Remote clock offset: -0.265 ms

# Below is generated by plot.py at 2017-10-12 13:17:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 873.35 Mbit/s
95th percentile per-packet one-way delay: 91.477 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 663.92 Mbit/s
95th percentile per-packet one-way delay: 92.389 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 300.45 Mbit/s
95th percentile per-packet one-way delay: 3.721 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 4.674 ms
Loss rate: 0.03%
```

Run 2: Report of PCC — Data Link

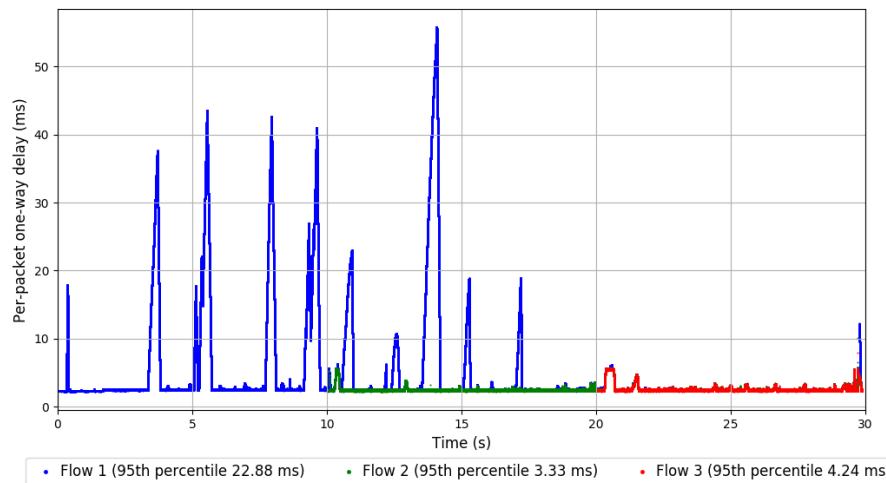
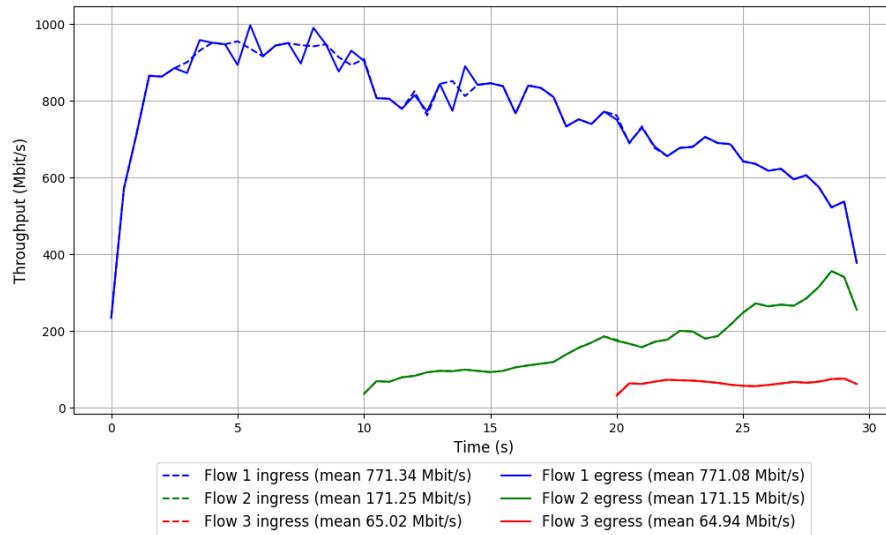


Run 3: Statistics of PCC

```
Start at: 2017-10-12 07:31:46
End at: 2017-10-12 07:32:16
Local clock offset: -0.396 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2017-10-12 13:21:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 906.21 Mbit/s
95th percentile per-packet one-way delay: 20.712 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 771.08 Mbit/s
95th percentile per-packet one-way delay: 22.875 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 171.15 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 4.235 ms
Loss rate: 0.12%
```

Run 3: Report of PCC — Data Link

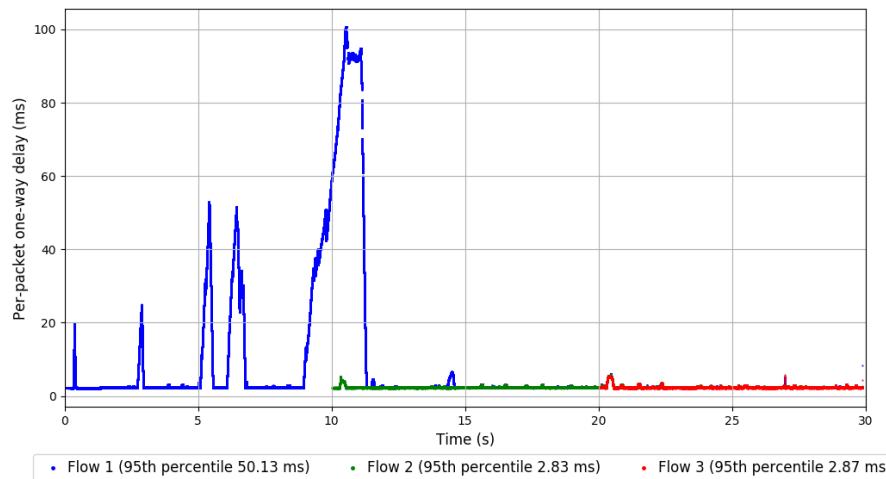
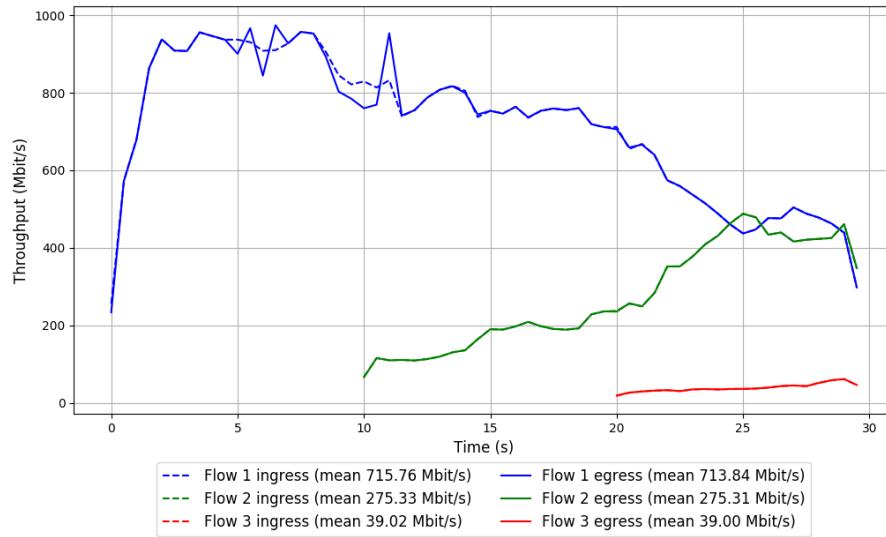


Run 4: Statistics of PCC

```
Start at: 2017-10-12 07:52:11
End at: 2017-10-12 07:52:41
Local clock offset: -0.369 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2017-10-12 13:26:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.70 Mbit/s
95th percentile per-packet one-way delay: 43.950 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 713.84 Mbit/s
95th percentile per-packet one-way delay: 50.130 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 275.31 Mbit/s
95th percentile per-packet one-way delay: 2.833 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 2.866 ms
Loss rate: 0.01%
```

Run 4: Report of PCC — Data Link

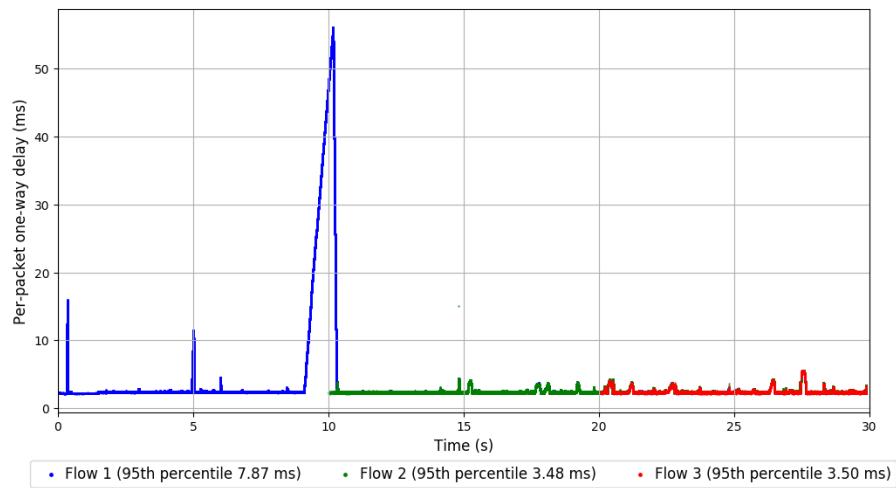
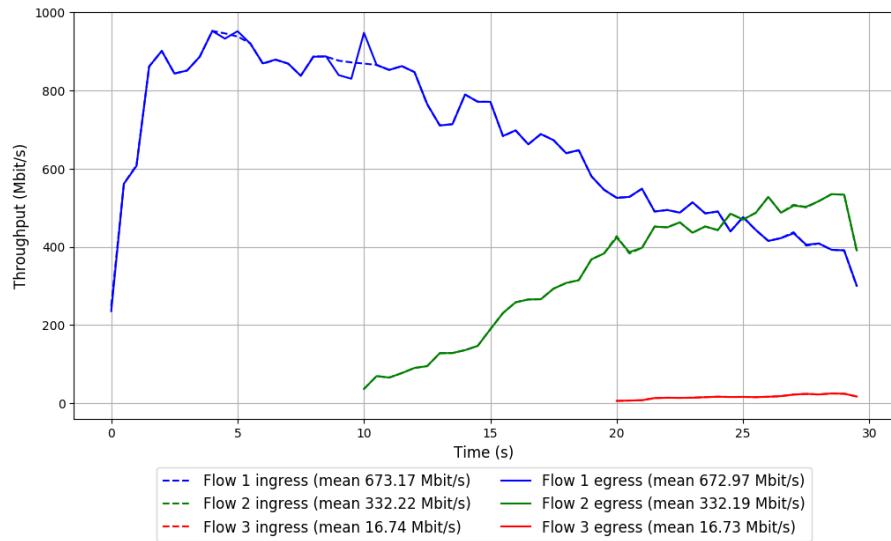


Run 5: Statistics of PCC

```
Start at: 2017-10-12 08:12:18
End at: 2017-10-12 08:12:48
Local clock offset: -0.337 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2017-10-12 13:26:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 899.35 Mbit/s
95th percentile per-packet one-way delay: 4.104 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 672.97 Mbit/s
95th percentile per-packet one-way delay: 7.874 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 332.19 Mbit/s
95th percentile per-packet one-way delay: 3.476 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.06%
```

Run 5: Report of PCC — Data Link

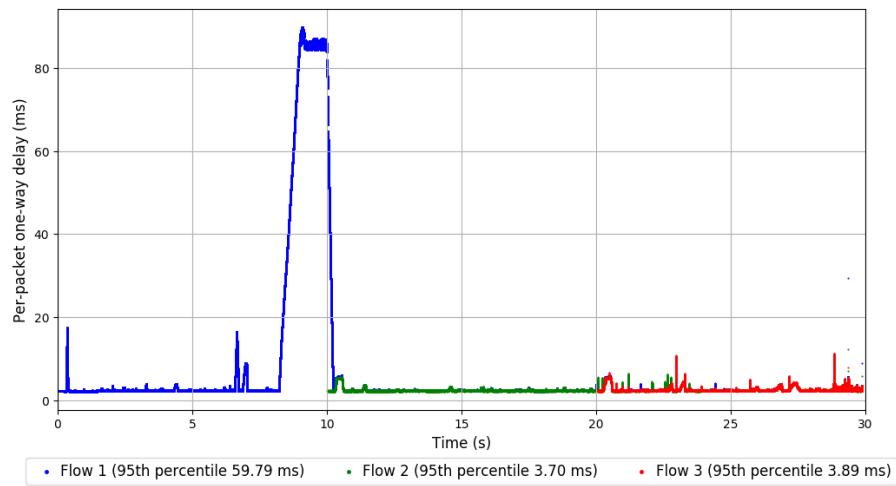
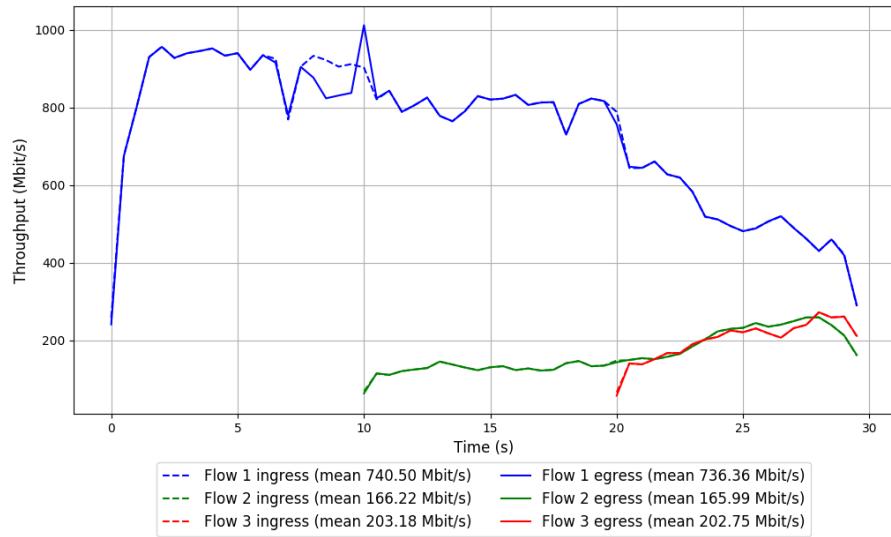


Run 6: Statistics of PCC

```
Start at: 2017-10-12 08:32:44
End at: 2017-10-12 08:33:14
Local clock offset: -0.27 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2017-10-12 13:27:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 913.46 Mbit/s
95th percentile per-packet one-way delay: 36.313 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 736.36 Mbit/s
95th percentile per-packet one-way delay: 59.786 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 165.99 Mbit/s
95th percentile per-packet one-way delay: 3.698 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 202.75 Mbit/s
95th percentile per-packet one-way delay: 3.889 ms
Loss rate: 0.21%
```

Run 6: Report of PCC — Data Link

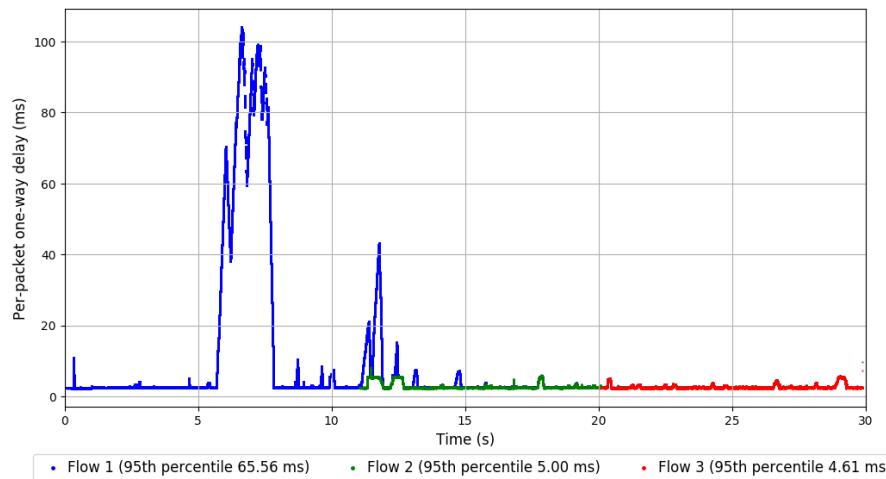
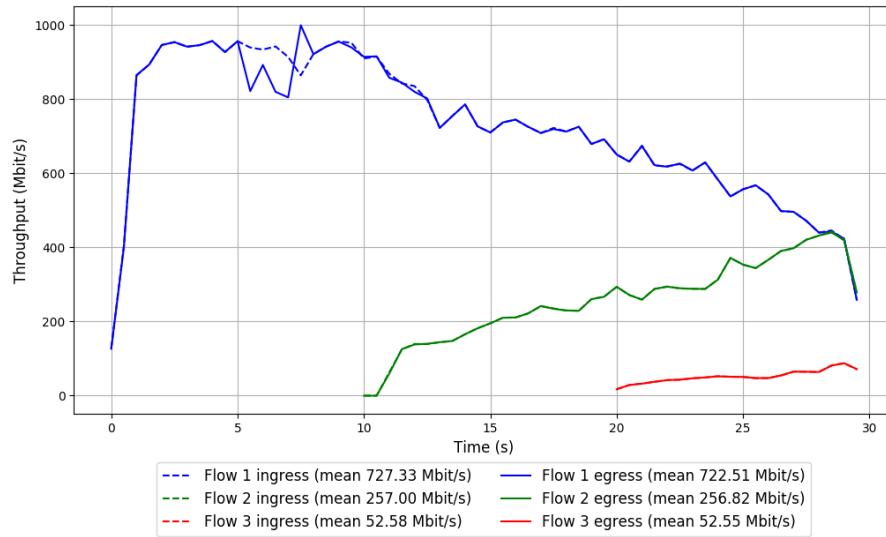


Run 7: Statistics of PCC

```
Start at: 2017-10-12 08:52:55
End at: 2017-10-12 08:53:25
Local clock offset: -0.235 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 13:28:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 910.28 Mbit/s
95th percentile per-packet one-way delay: 51.247 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 722.51 Mbit/s
95th percentile per-packet one-way delay: 65.559 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 256.82 Mbit/s
95th percentile per-packet one-way delay: 4.998 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 4.613 ms
Loss rate: 0.01%
```

Run 7: Report of PCC — Data Link

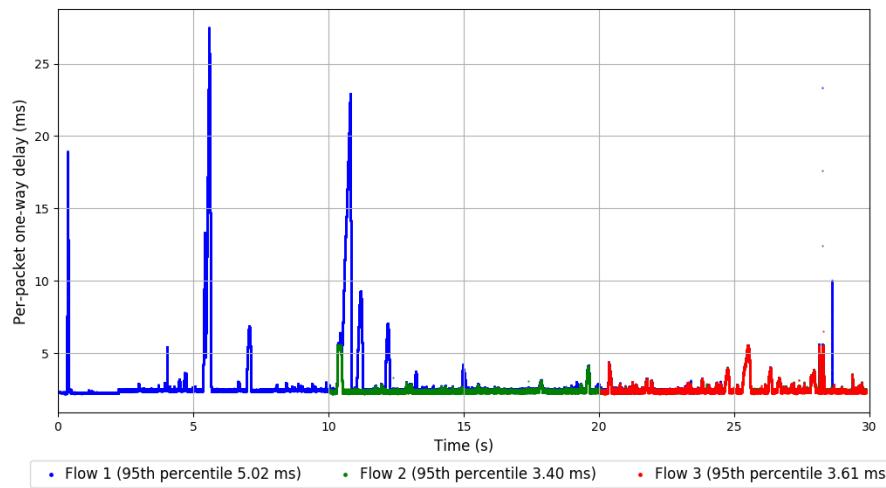
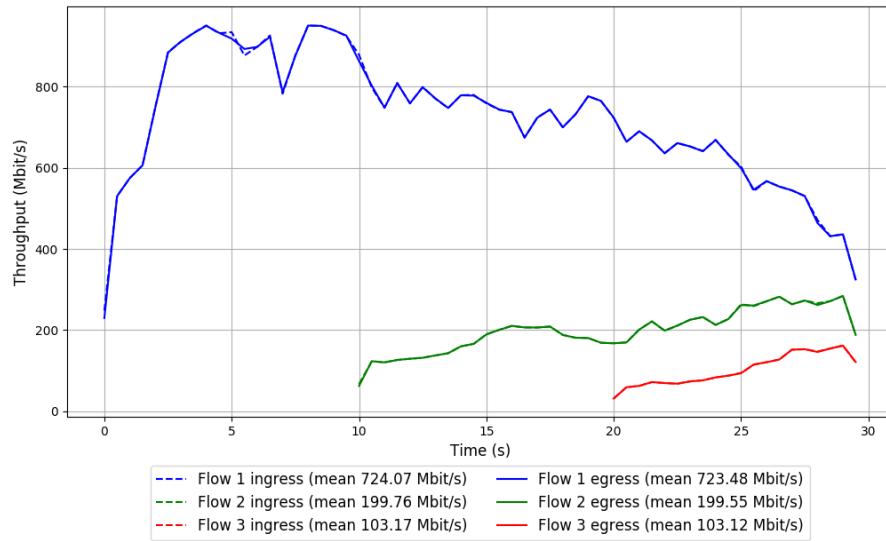


Run 8: Statistics of PCC

```
Start at: 2017-10-12 09:13:15
End at: 2017-10-12 09:13:45
Local clock offset: -0.237 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2017-10-12 13:28:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 889.92 Mbit/s
95th percentile per-packet one-way delay: 4.317 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 723.48 Mbit/s
95th percentile per-packet one-way delay: 5.018 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 199.55 Mbit/s
95th percentile per-packet one-way delay: 3.401 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 103.12 Mbit/s
95th percentile per-packet one-way delay: 3.609 ms
Loss rate: 0.05%
```

Run 8: Report of PCC — Data Link

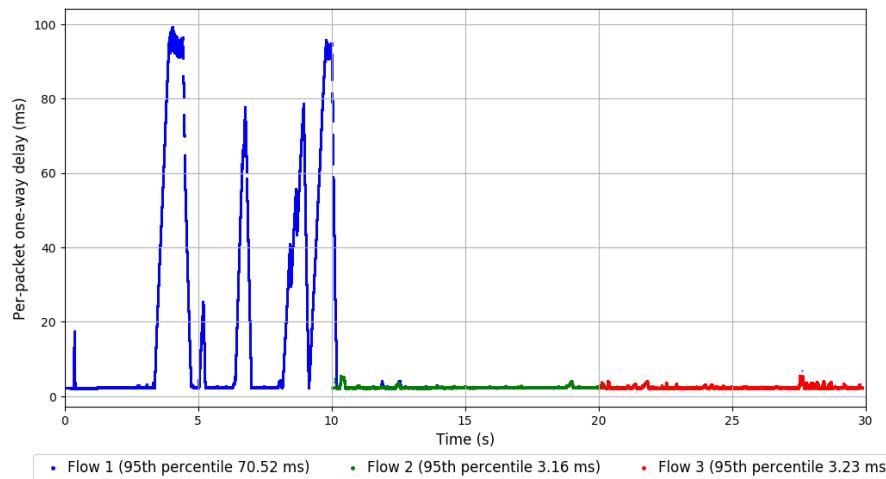
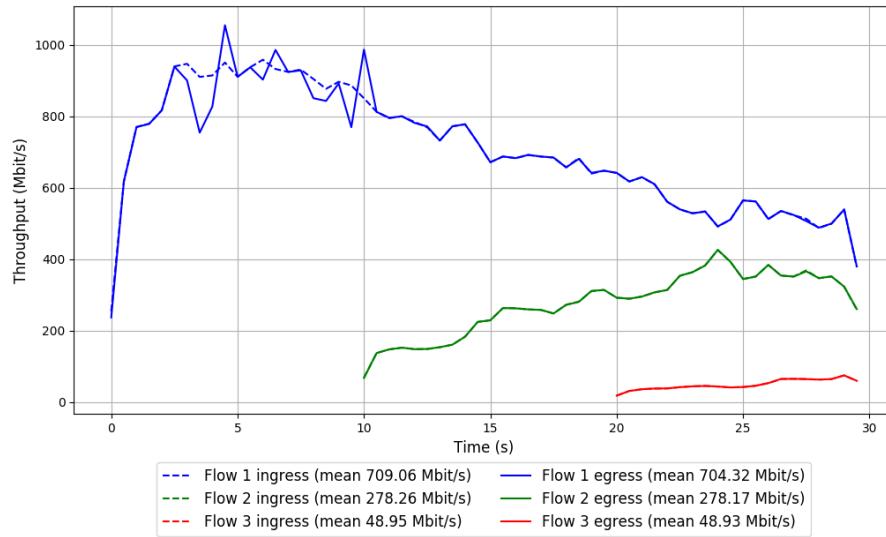


Run 9: Statistics of PCC

```
Start at: 2017-10-12 09:33:28
End at: 2017-10-12 09:33:58
Local clock offset: -0.117 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 905.36 Mbit/s
95th percentile per-packet one-way delay: 61.540 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 704.32 Mbit/s
95th percentile per-packet one-way delay: 70.522 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 278.17 Mbit/s
95th percentile per-packet one-way delay: 3.158 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.05%
```

Run 9: Report of PCC — Data Link

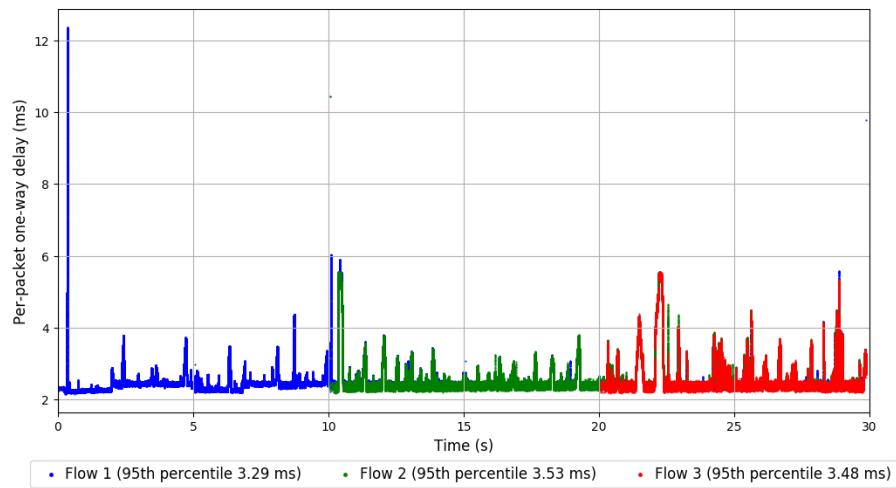
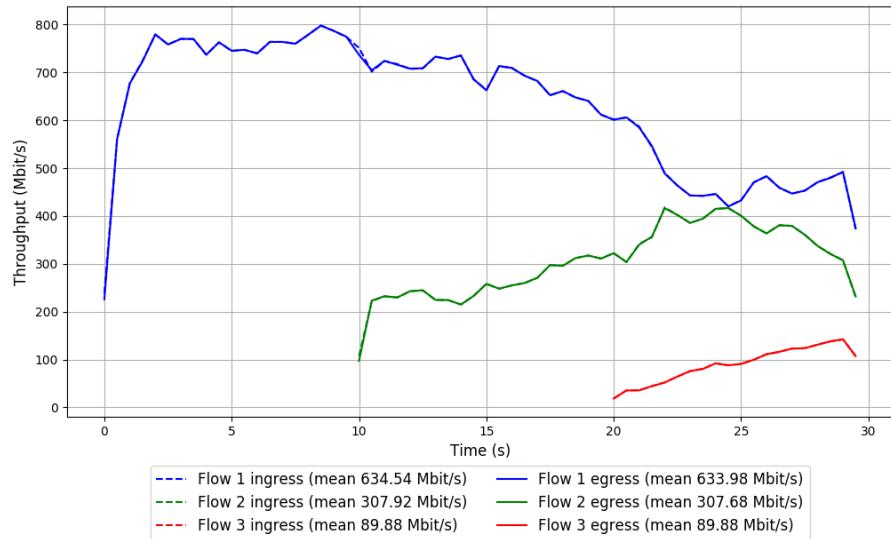


Run 10: Statistics of PCC

```
Start at: 2017-10-12 09:53:38
End at: 2017-10-12 09:54:08
Local clock offset: -0.08 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 867.86 Mbit/s
95th percentile per-packet one-way delay: 3.340 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 633.98 Mbit/s
95th percentile per-packet one-way delay: 3.285 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 307.68 Mbit/s
95th percentile per-packet one-way delay: 3.533 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 3.475 ms
Loss rate: 0.01%
```

Run 10: Report of PCC — Data Link

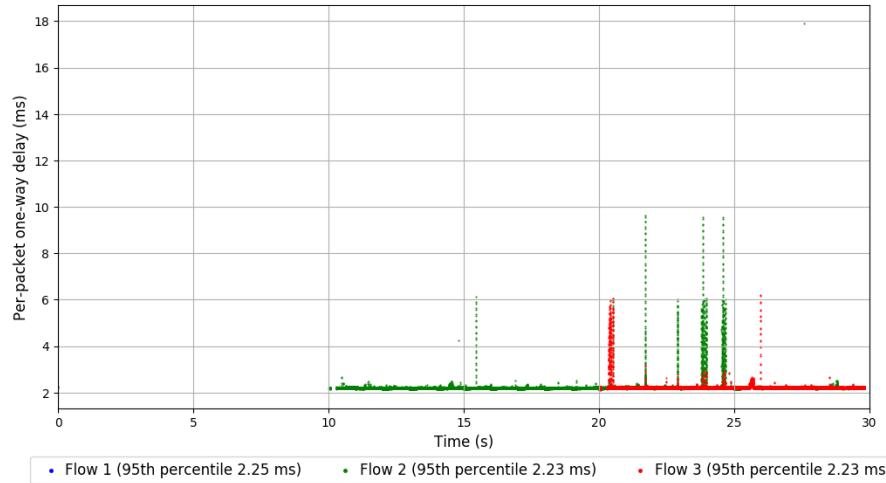
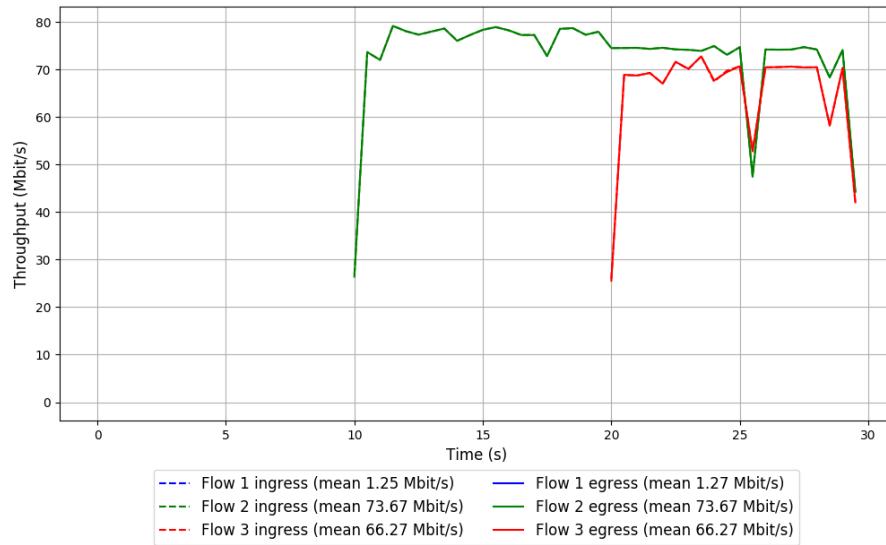


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-10-12 07:07:33
End at: 2017-10-12 07:08:03
Local clock offset: -0.355 ms
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 2.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 2.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 2.235 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

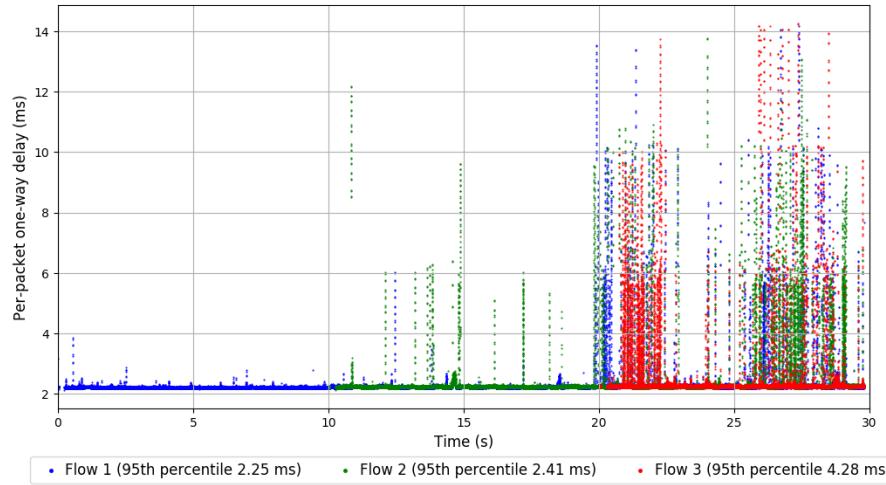
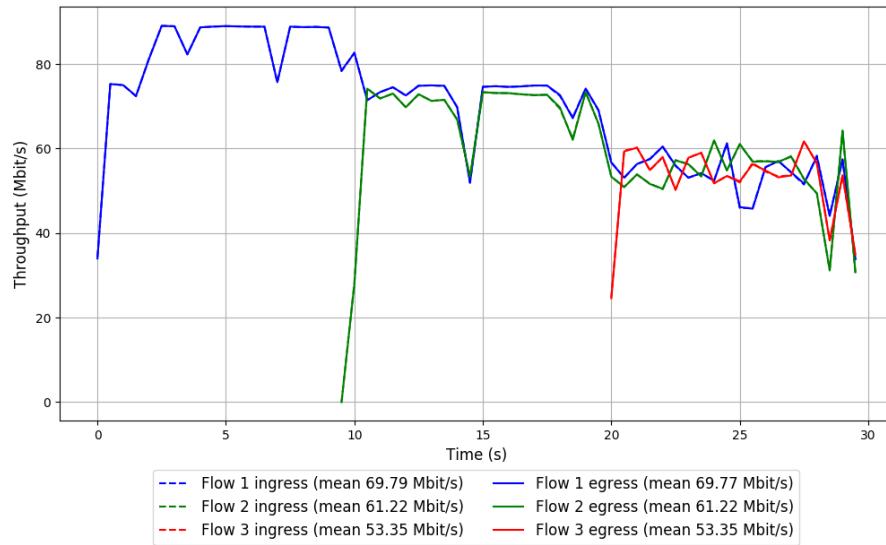


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-10-12 07:27:43
End at: 2017-10-12 07:28:13
Local clock offset: -0.366 ms
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.98 Mbit/s
95th percentile per-packet one-way delay: 2.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 4.280 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

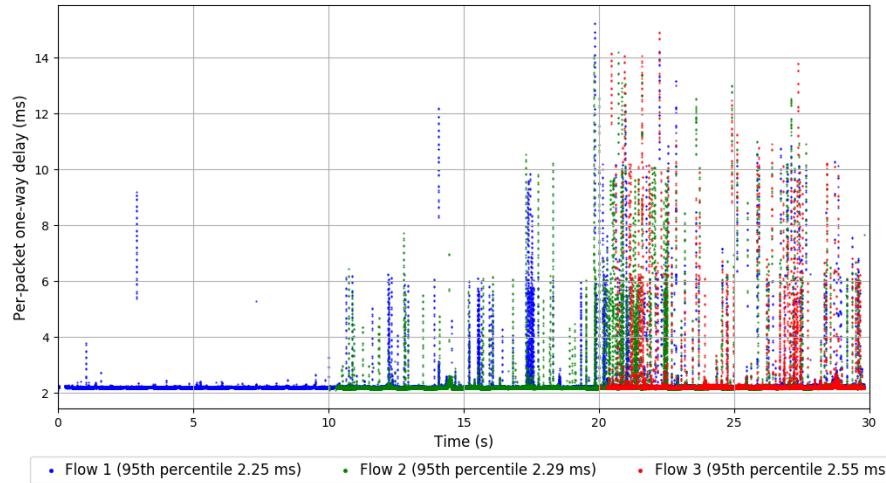
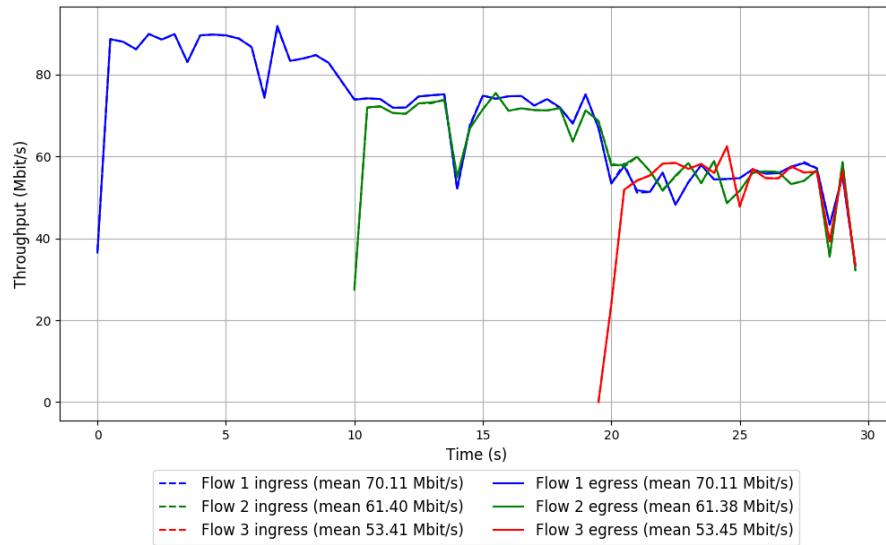


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-10-12 07:48:10
End at: 2017-10-12 07:48:40
Local clock offset: -0.358 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.46 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 2.245 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 2.290 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

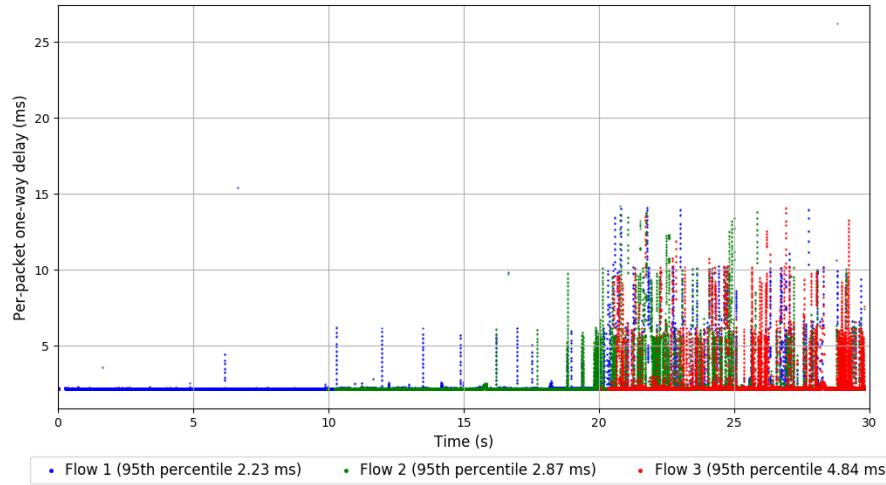
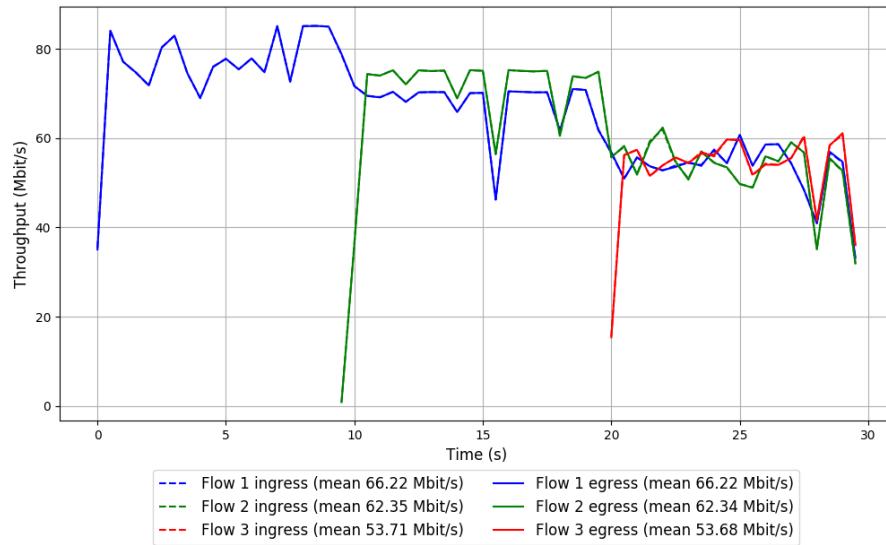


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-10-12 08:08:18
End at: 2017-10-12 08:08:48
Local clock offset: -0.353 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.35 Mbit/s
95th percentile per-packet one-way delay: 2.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 2.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.34 Mbit/s
95th percentile per-packet one-way delay: 2.873 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 4.841 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

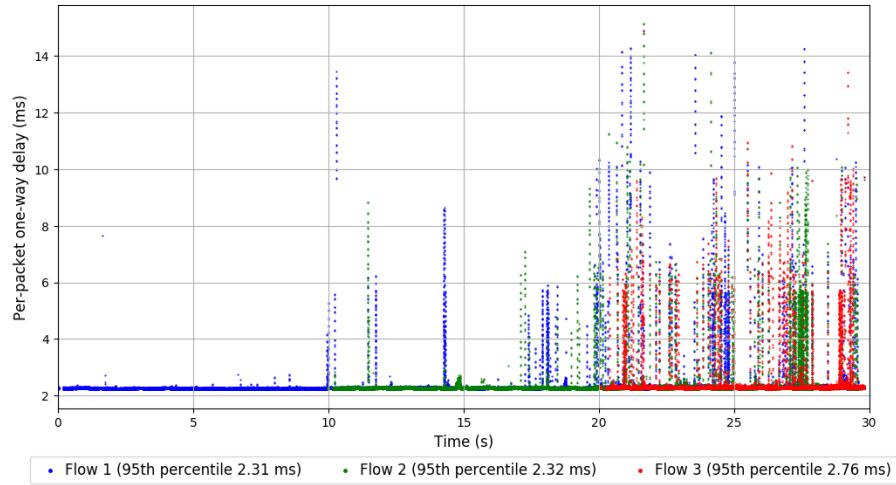
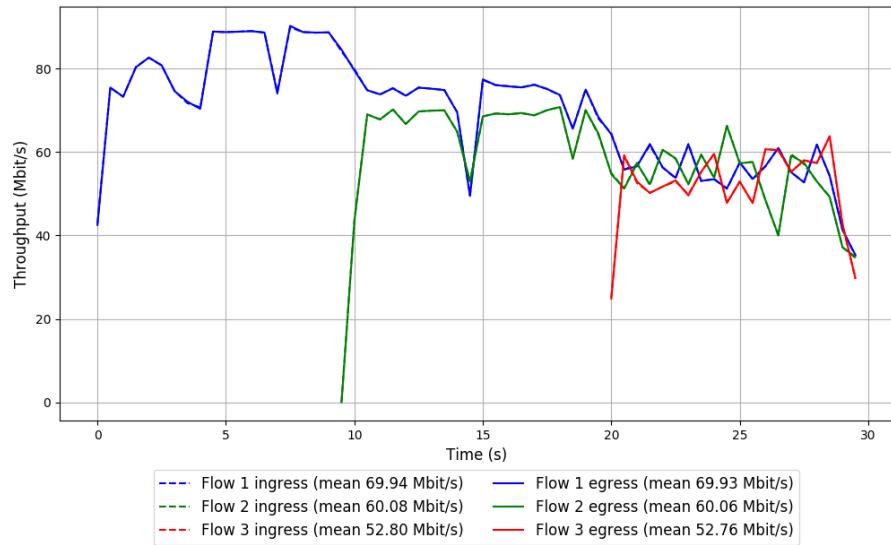


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-10-12 08:28:43
End at: 2017-10-12 08:29:13
Local clock offset: -0.359 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.24 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 2.762 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

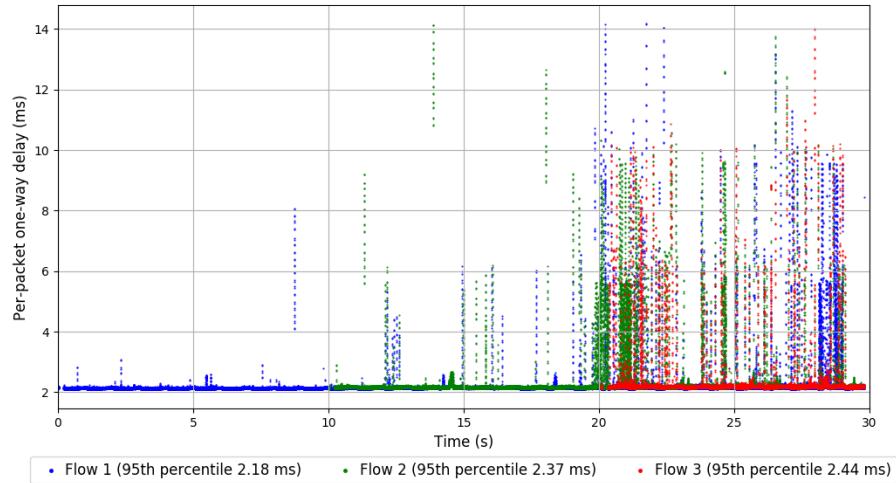
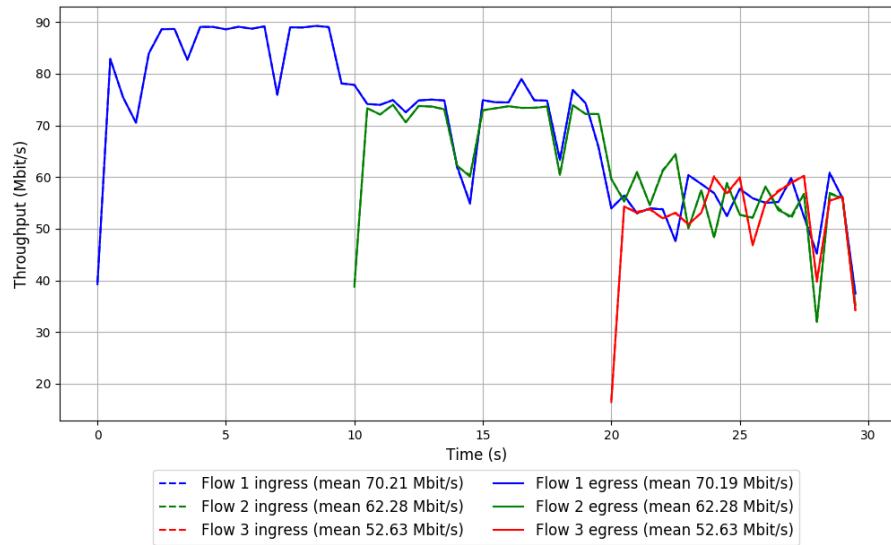


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-10-12 08:48:54
End at: 2017-10-12 08:49:24
Local clock offset: -0.215 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.79 Mbit/s
95th percentile per-packet one-way delay: 2.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.19 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.28 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 2.441 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

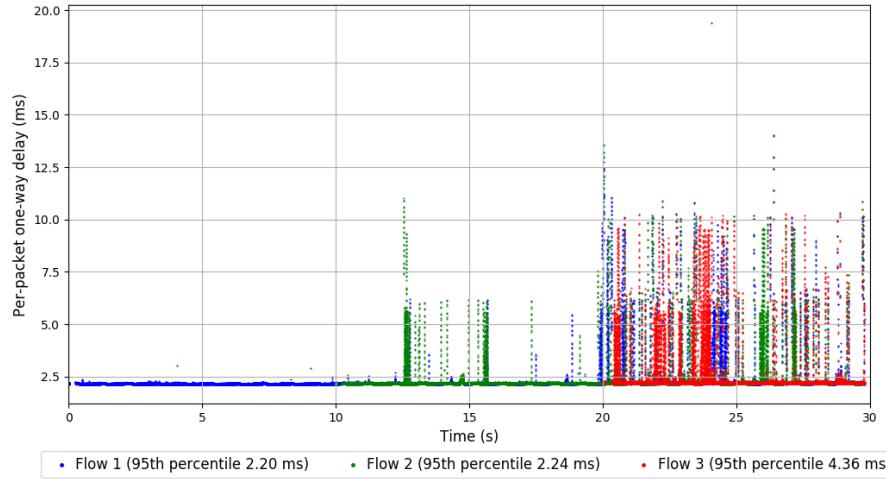
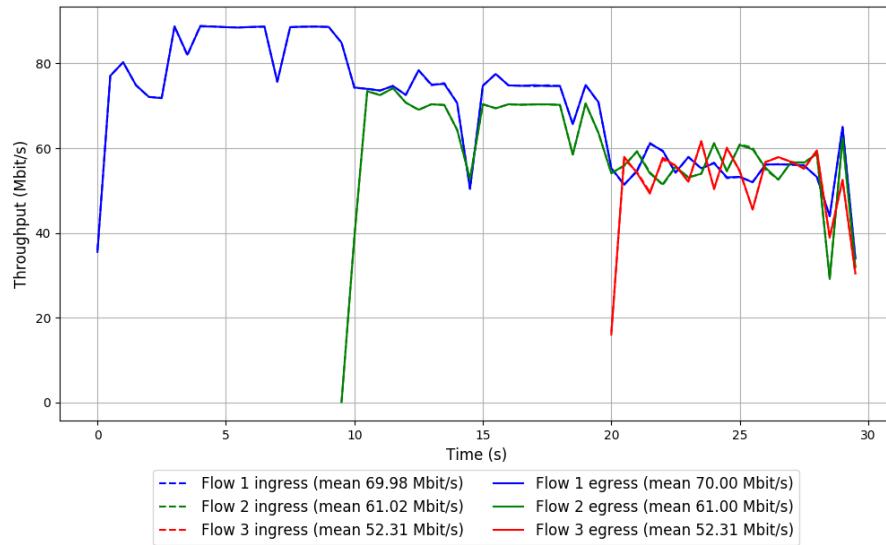


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-10-12 09:09:12
End at: 2017-10-12 09:09:42
Local clock offset: -0.188 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.72 Mbit/s
95th percentile per-packet one-way delay: 2.229 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 2.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 2.240 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 4.364 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

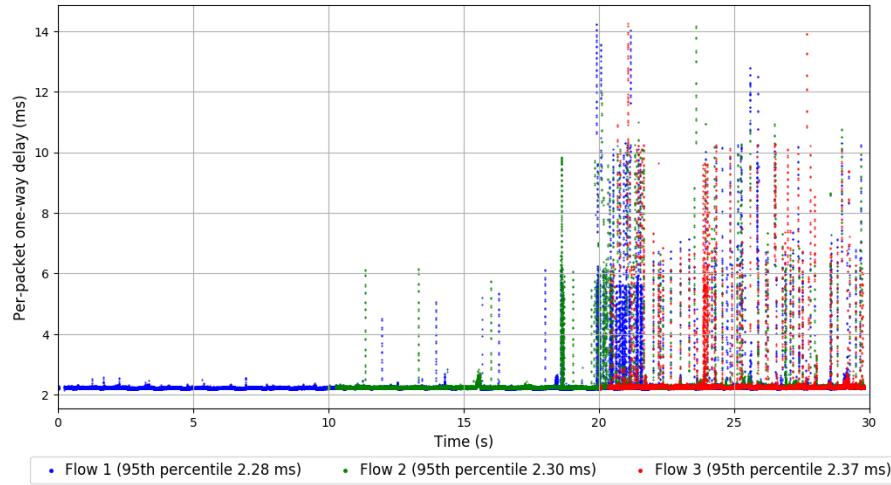
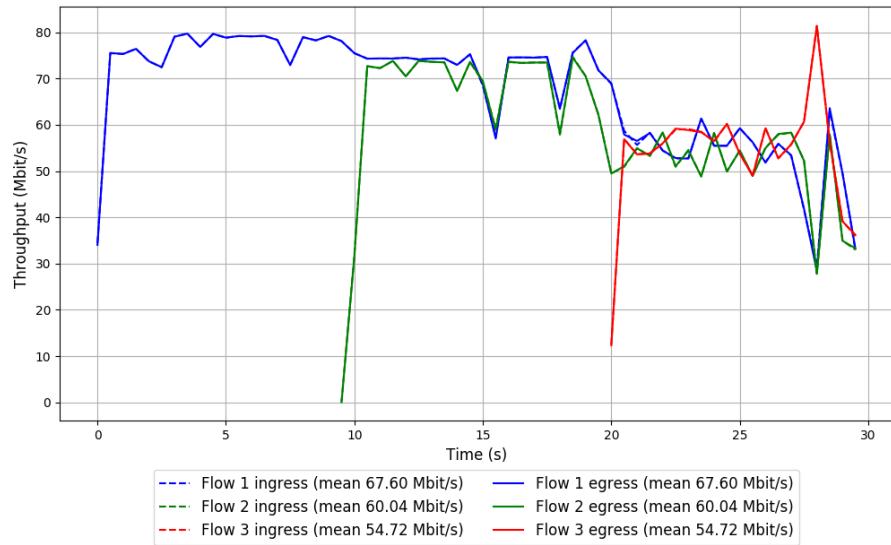


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-10-12 09:29:29
End at: 2017-10-12 09:29:59
Local clock offset: -0.132 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.50 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.60 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 2.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

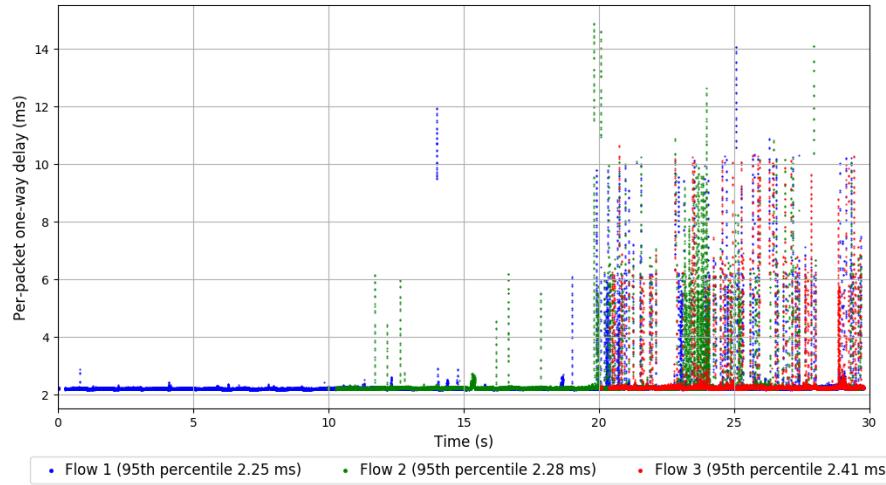
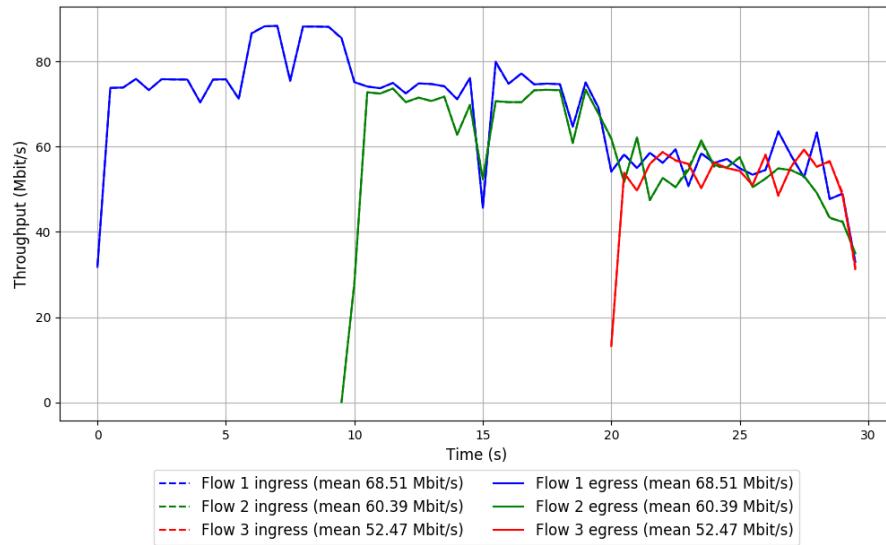


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-10-12 09:49:40
End at: 2017-10-12 09:50:10
Local clock offset: -0.069 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.88 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 2.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

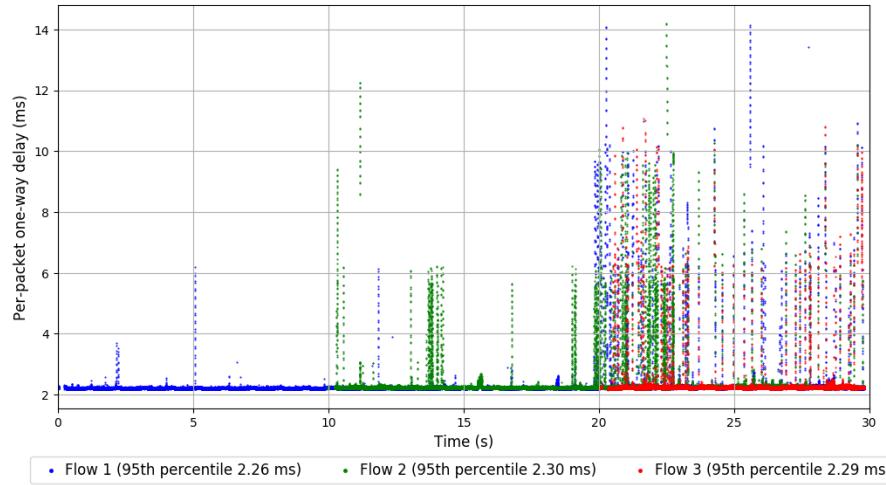
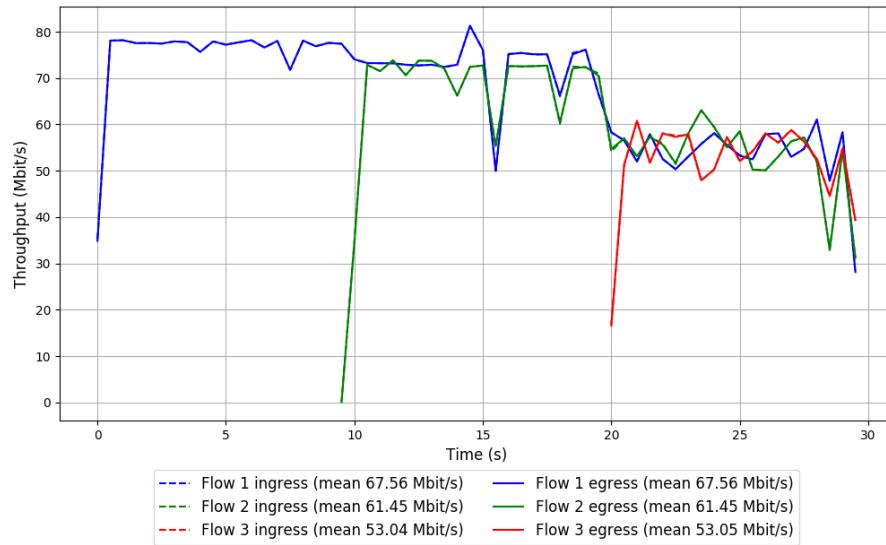


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-10-12 10:09:43
End at: 2017-10-12 10:10:13
Local clock offset: -0.03 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.82 Mbit/s
95th percentile per-packet one-way delay: 2.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 2.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 2.287 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

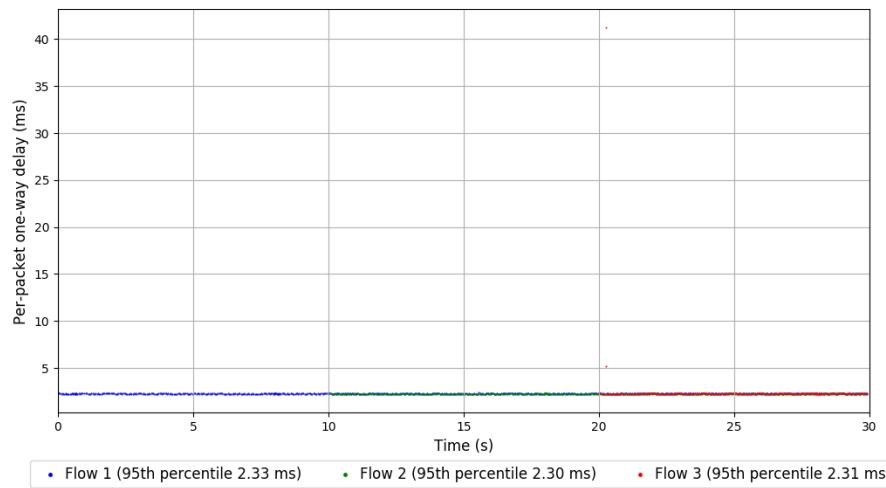
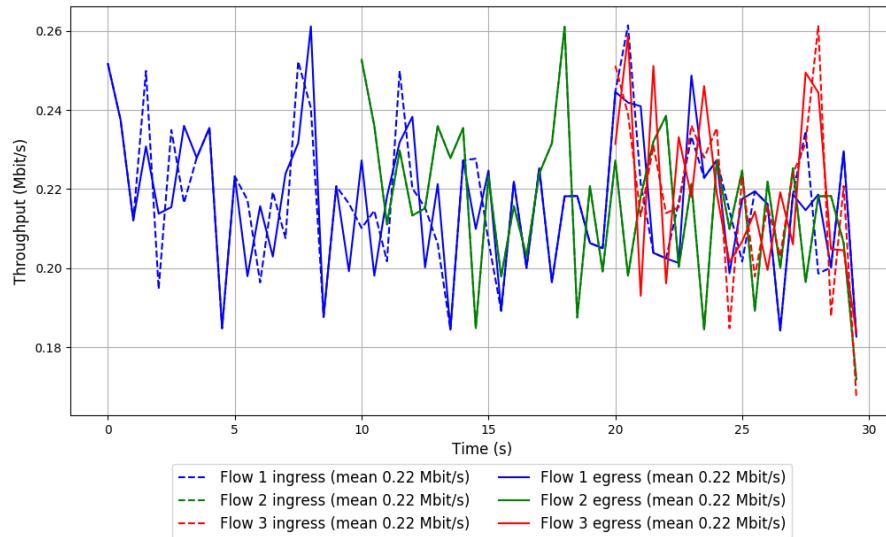


```
Run 1: Statistics of SCReAM

Start at: 2017-10-12 07:06:29
End at: 2017-10-12 07:06:59
Local clock offset: -0.331 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

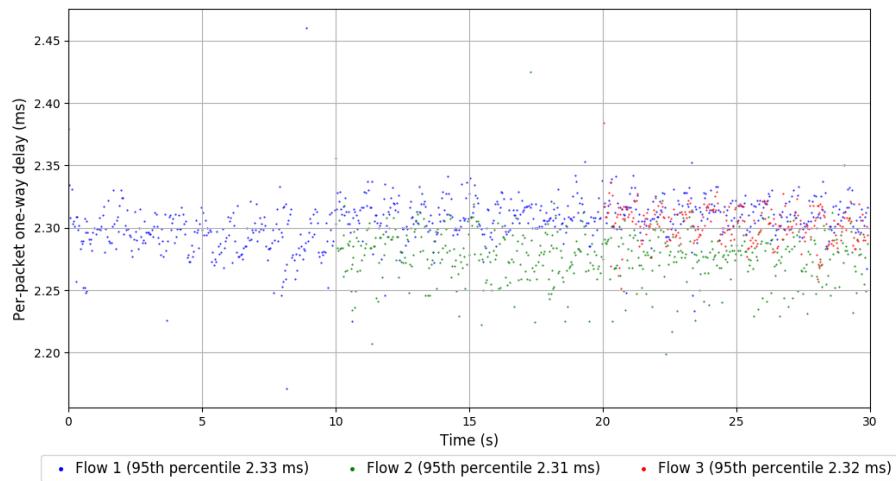
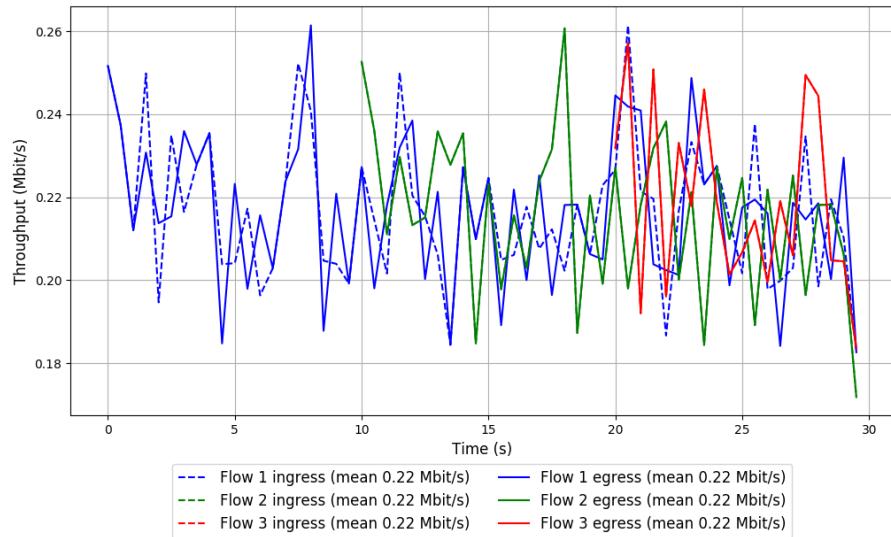


Run 2: Statistics of SCReAM

```
Start at: 2017-10-12 07:26:39
End at: 2017-10-12 07:27:09
Local clock offset: -0.441 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

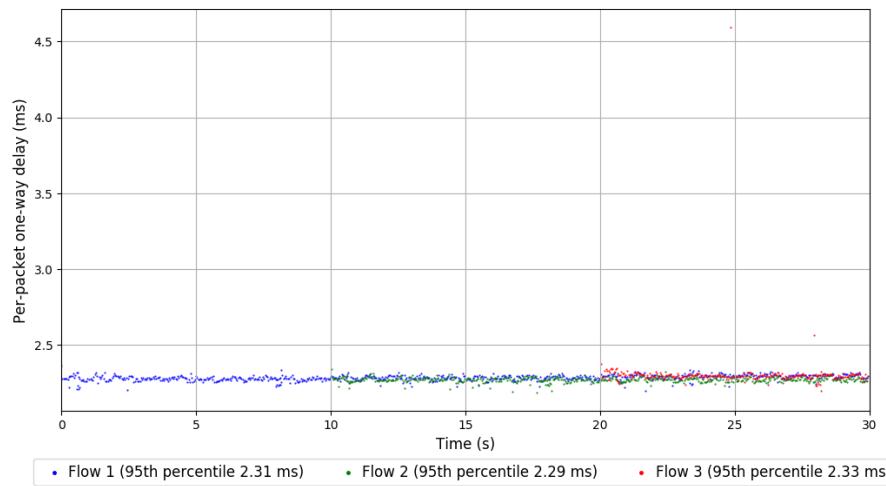
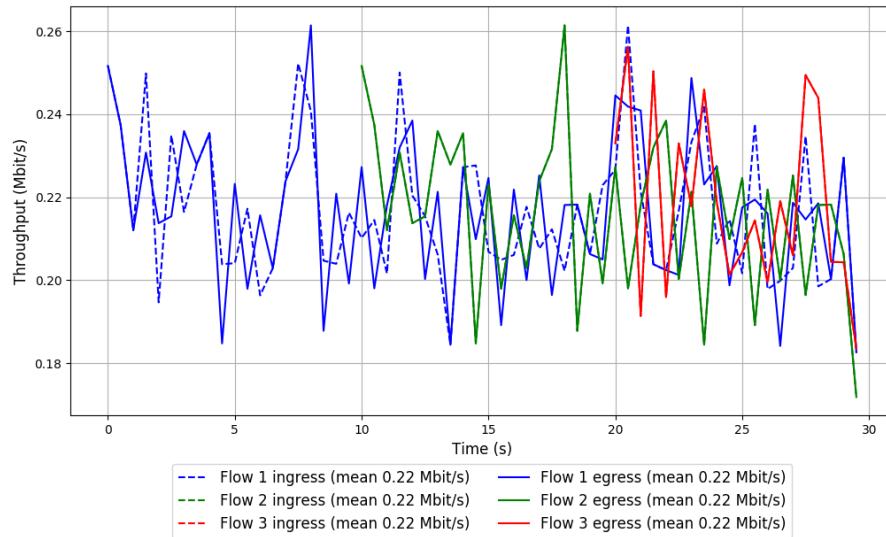


Run 3: Statistics of SCReAM

```
Start at: 2017-10-12 07:47:06
End at: 2017-10-12 07:47:36
Local clock offset: -0.377 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

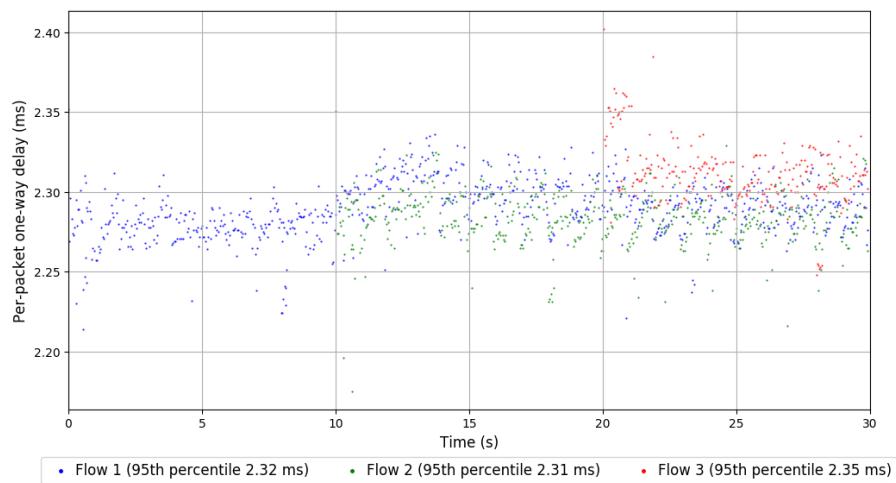
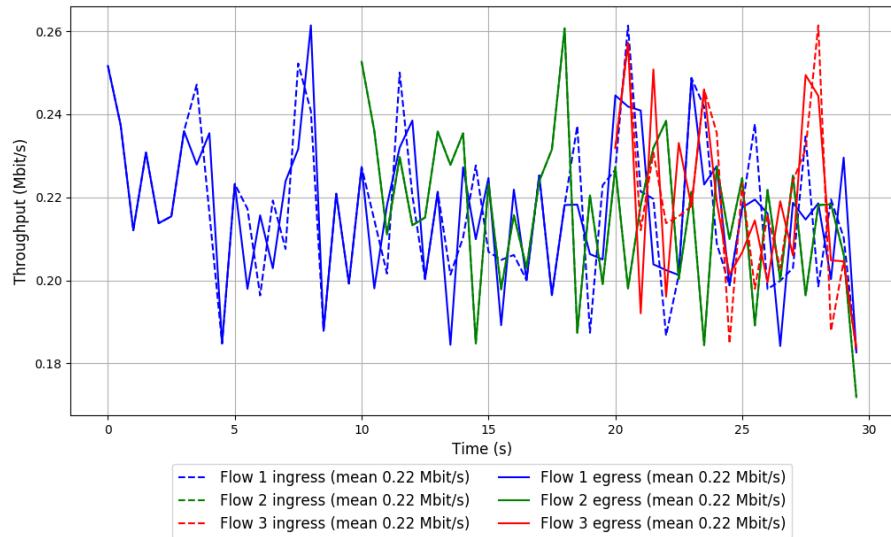


Run 4: Statistics of SCReAM

```
Start at: 2017-10-12 08:07:14
End at: 2017-10-12 08:07:44
Local clock offset: -0.367 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

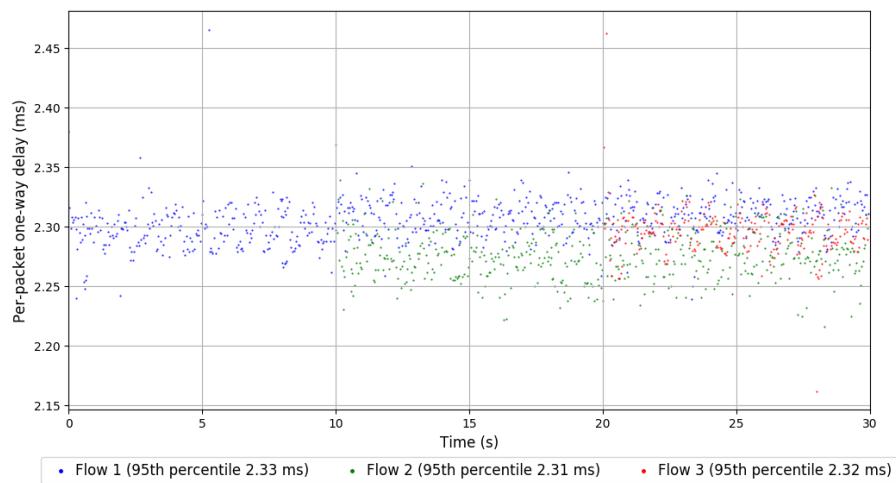
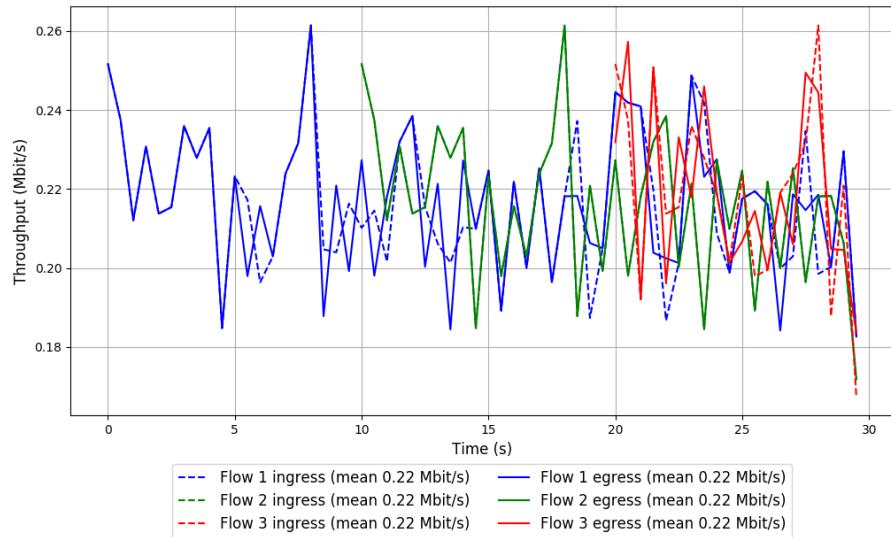


Run 5: Statistics of SCReAM

```
Start at: 2017-10-12 08:27:39
End at: 2017-10-12 08:28:09
Local clock offset: -0.313 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

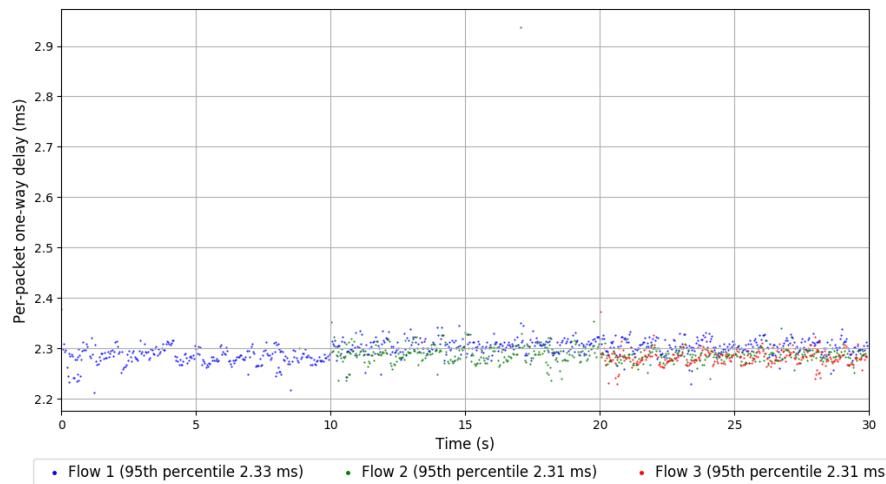
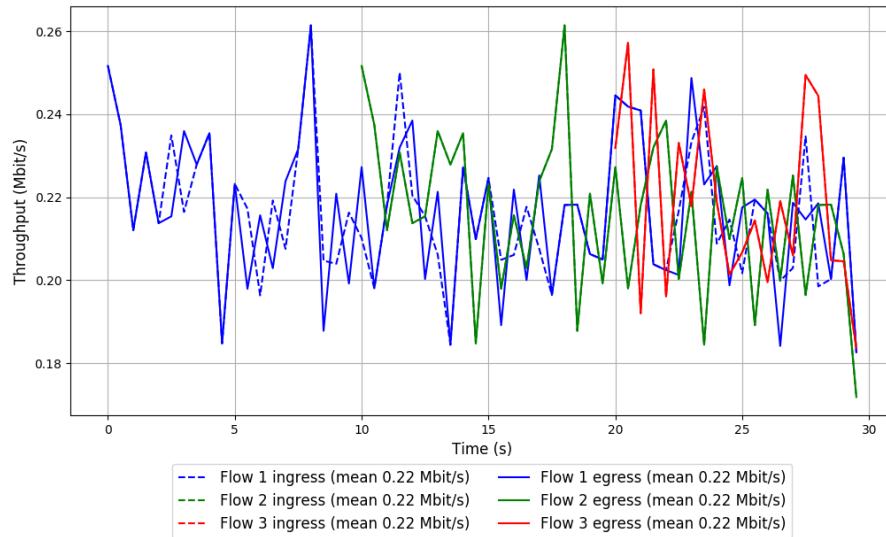


Run 6: Statistics of SCReAM

```
Start at: 2017-10-12 08:47:50
End at: 2017-10-12 08:48:20
Local clock offset: -0.243 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

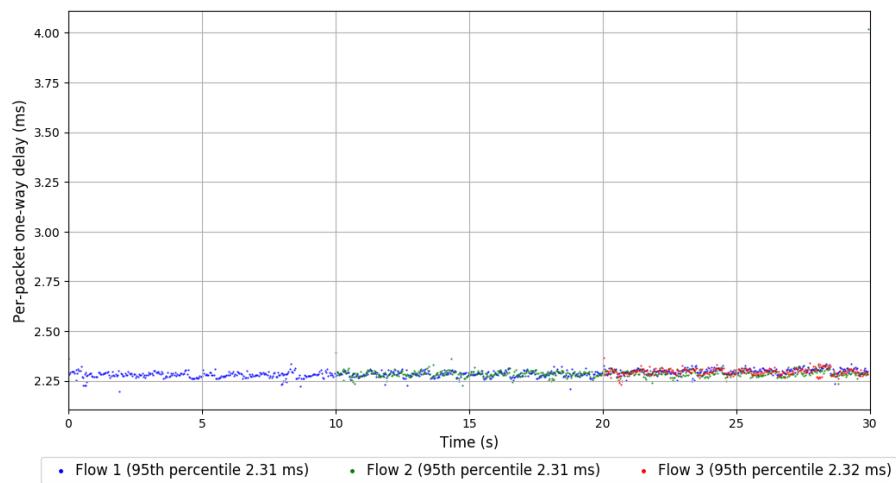
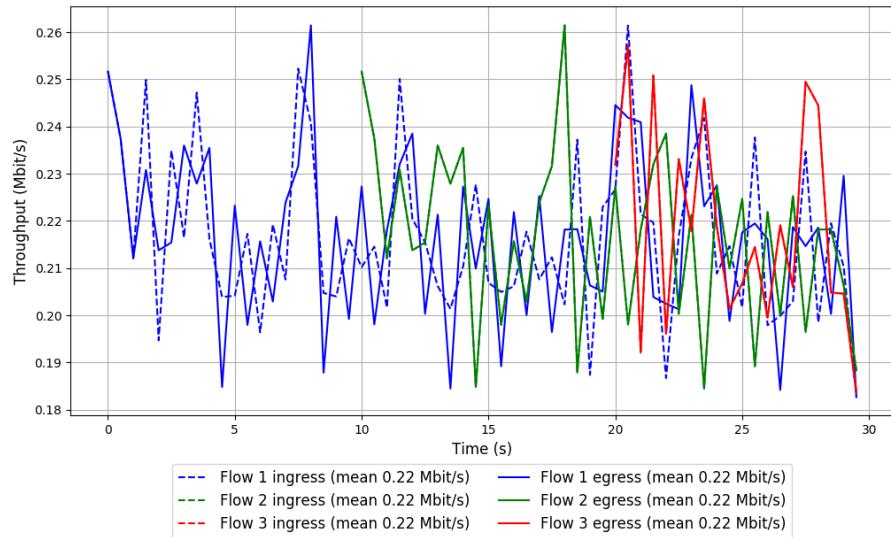


Run 7: Statistics of SCReAM

```
Start at: 2017-10-12 09:08:08
End at: 2017-10-12 09:08:38
Local clock offset: -0.186 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

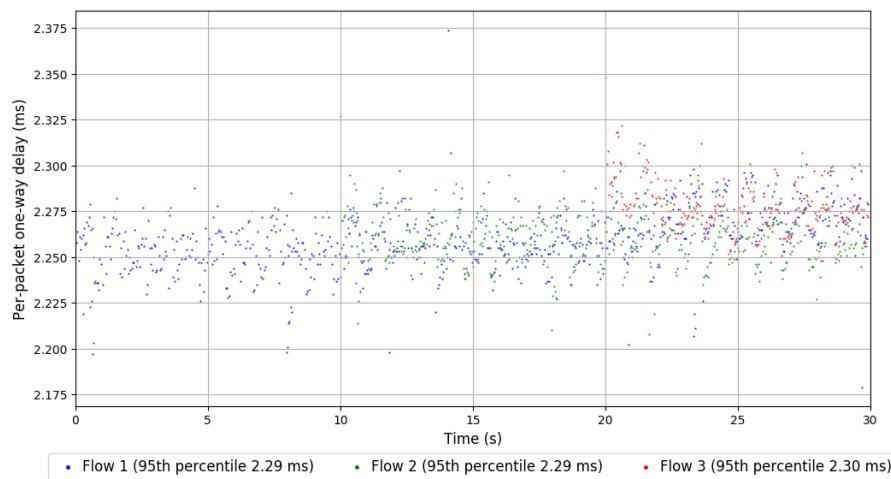
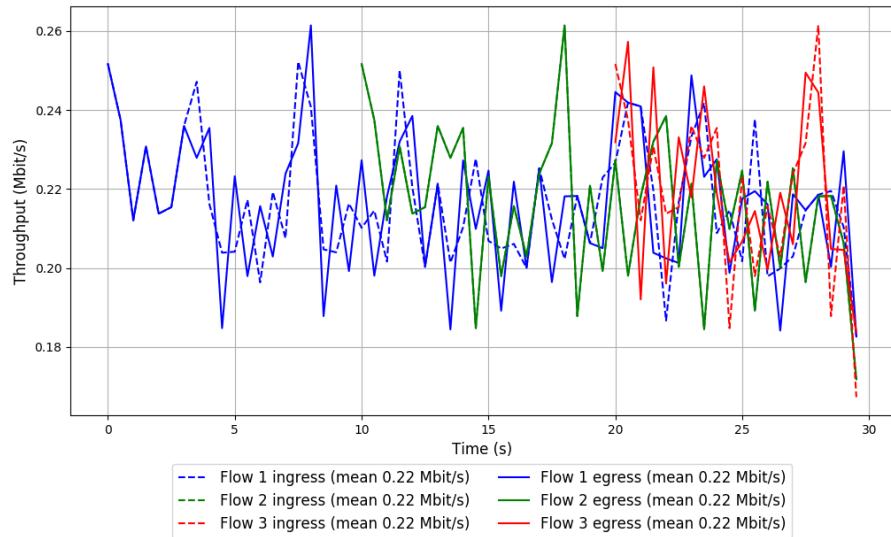


Run 8: Statistics of SCReAM

```
Start at: 2017-10-12 09:28:25
End at: 2017-10-12 09:28:55
Local clock offset: -0.109 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

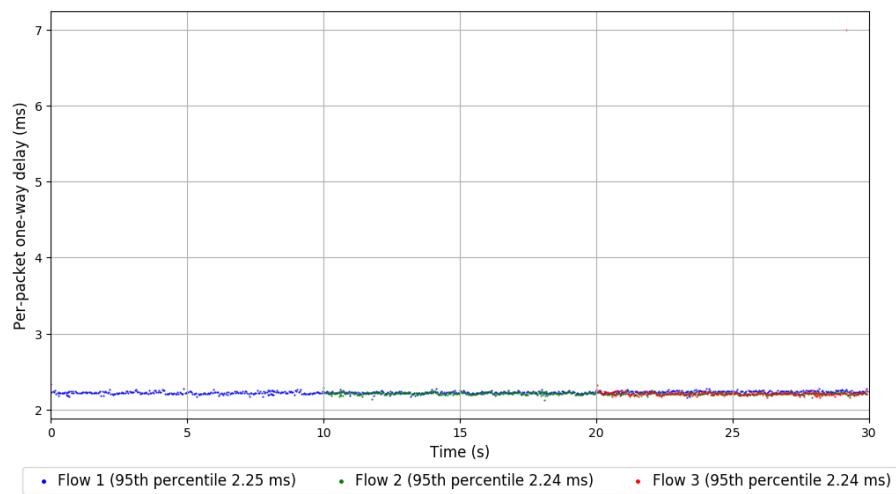
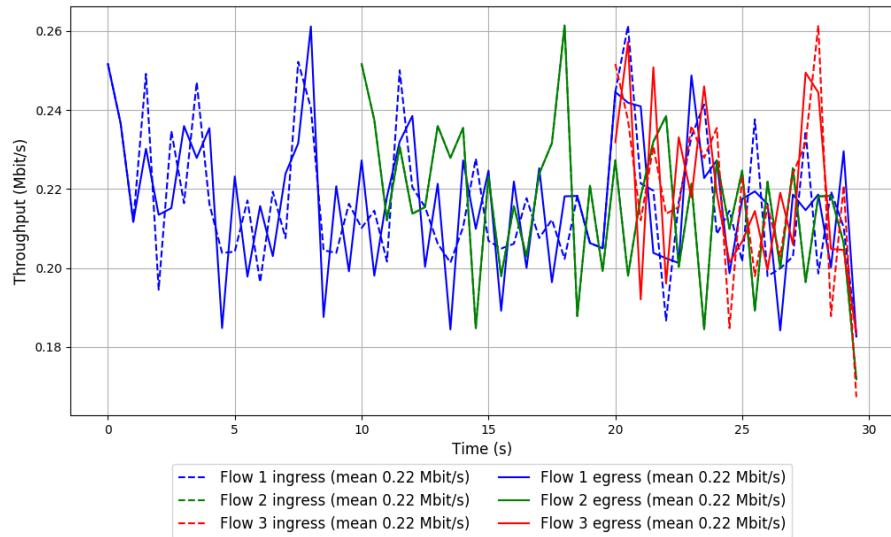


Run 9: Statistics of SCReAM

```
Start at: 2017-10-12 09:48:36
End at: 2017-10-12 09:49:06
Local clock offset: -0.081 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.244 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

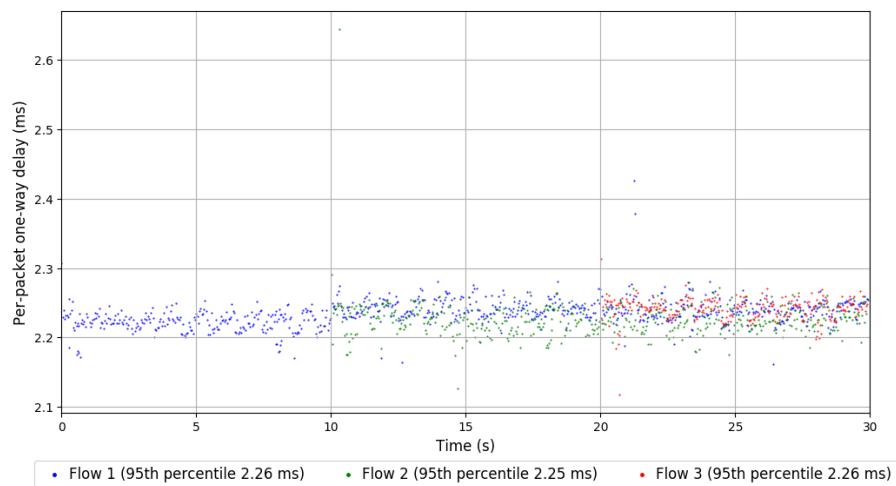
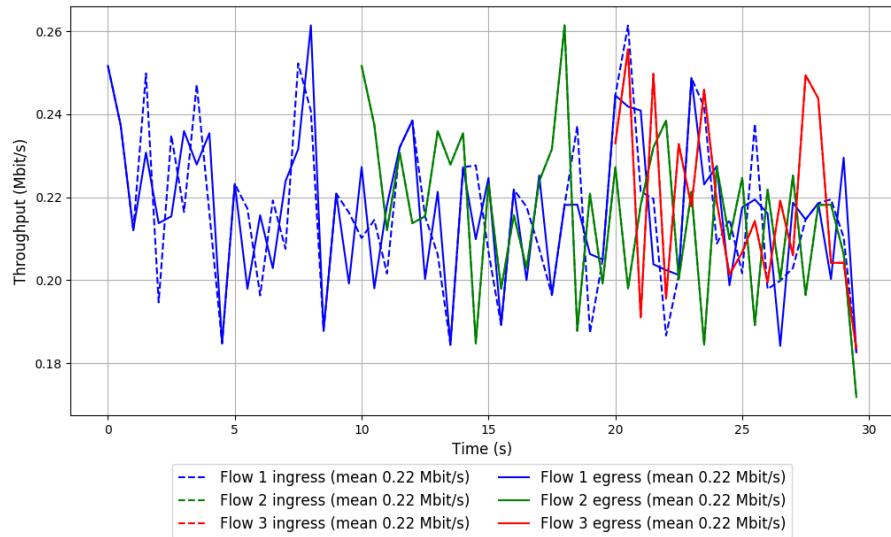


Run 10: Statistics of SCReAM

```
Start at: 2017-10-12 10:08:39
End at: 2017-10-12 10:09:09
Local clock offset: -0.037 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.262 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

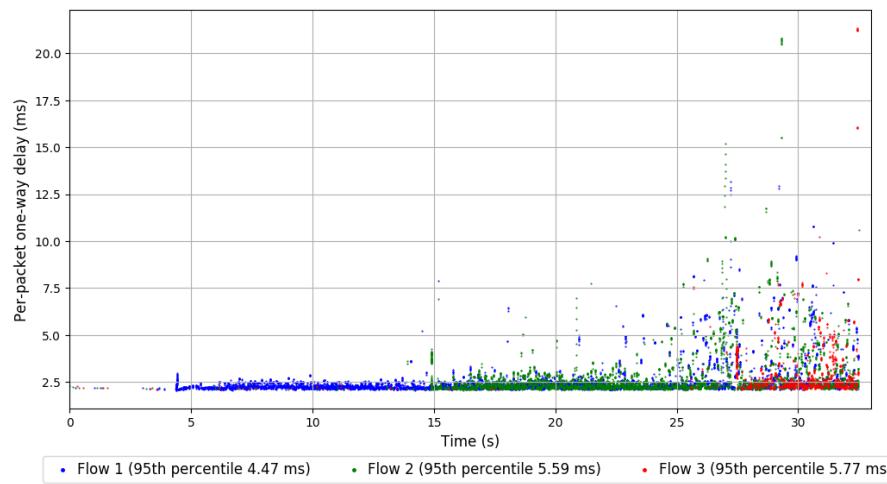
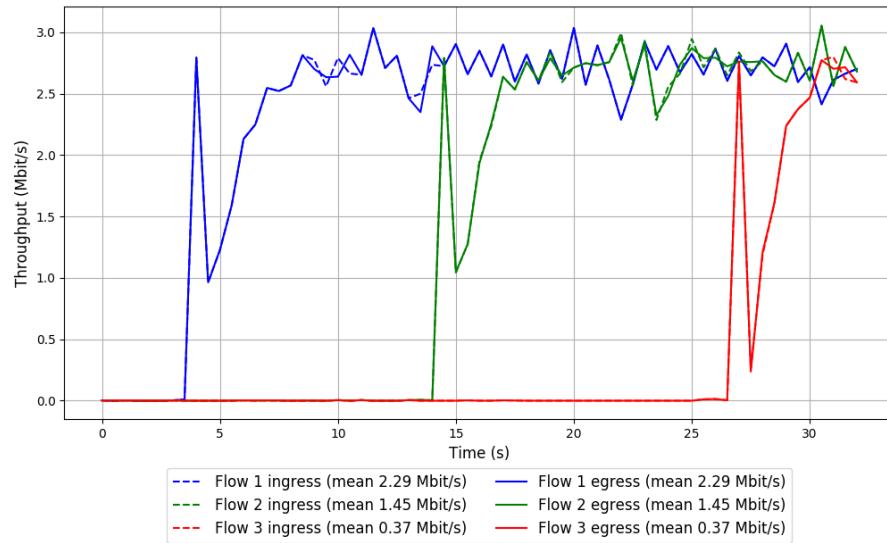


```
Run 1: Statistics of WebRTC media

Start at: 2017-10-12 07:04:05
End at: 2017-10-12 07:04:35
Local clock offset: -0.358 ms
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 4.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 4.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 5.766 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

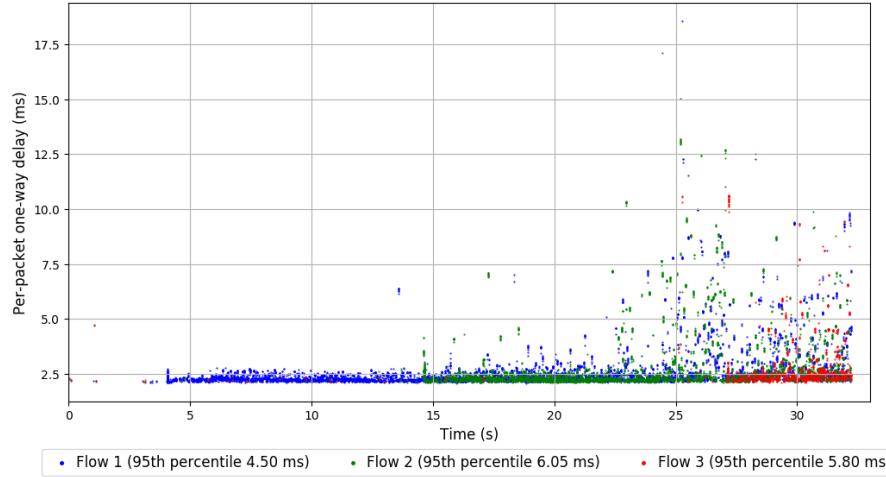
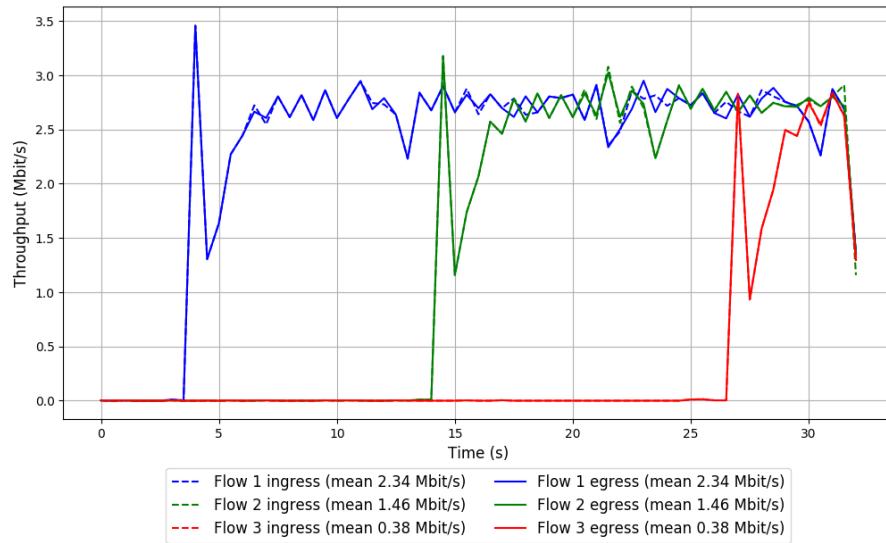


Run 2: Statistics of WebRTC media

```
Start at: 2017-10-12 07:24:18
End at: 2017-10-12 07:24:48
Local clock offset: -0.377 ms
Remote clock offset: -0.241 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 5.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 4.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 6.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 5.803 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

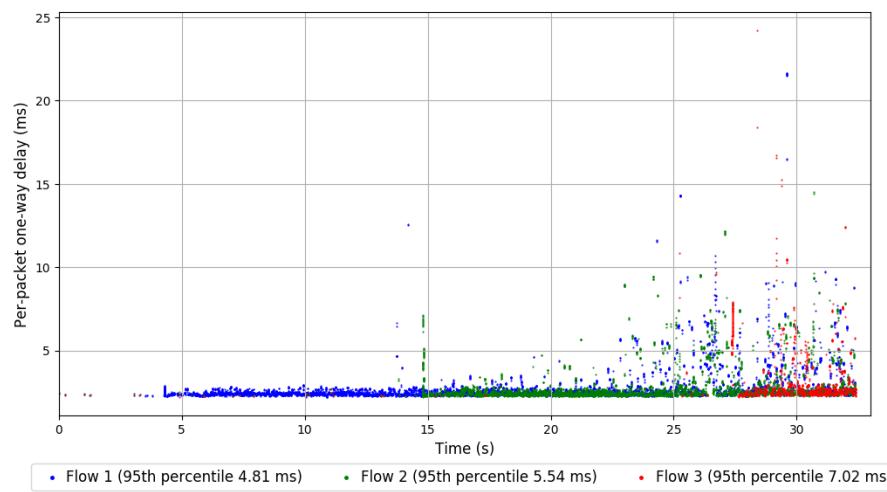
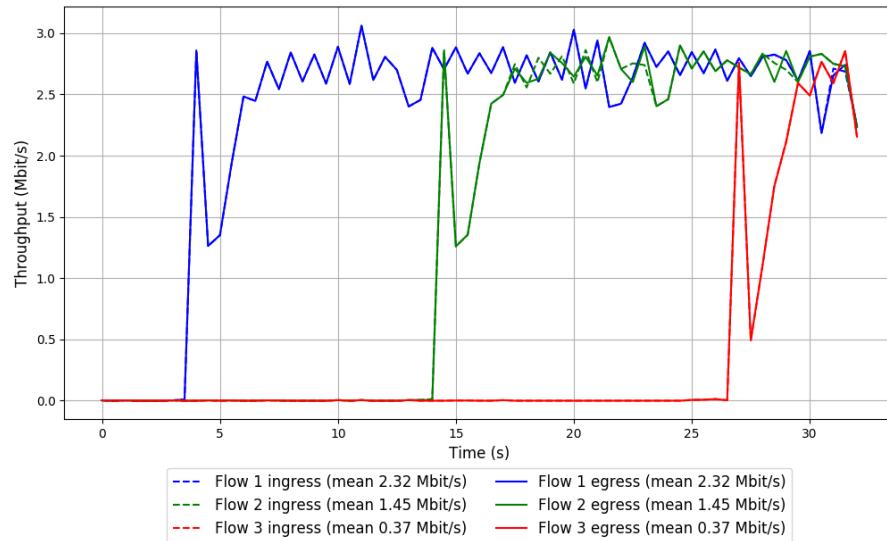


```
Run 3: Statistics of WebRTC media

Start at: 2017-10-12 07:44:43
End at: 2017-10-12 07:45:13
Local clock offset: -0.446 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 5.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 4.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.537 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 7.018 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

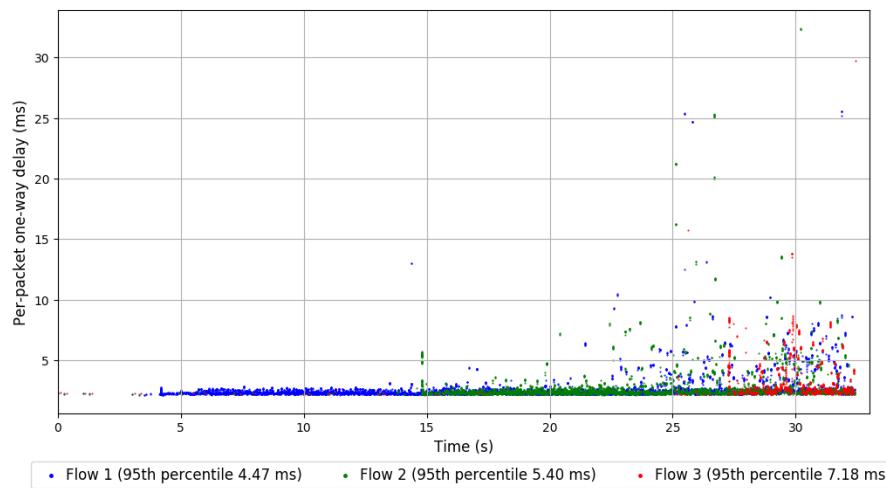
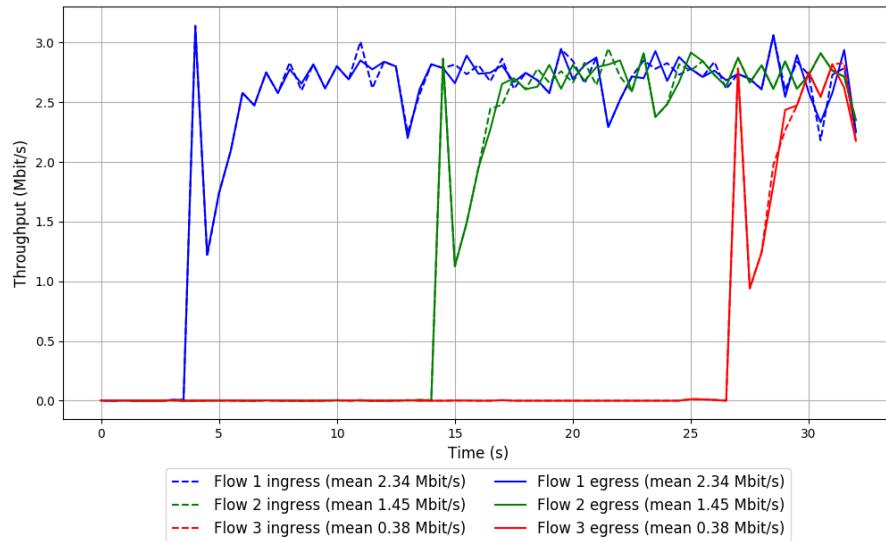


Run 4: Statistics of WebRTC media

```
Start at: 2017-10-12 08:04:55
End at: 2017-10-12 08:05:25
Local clock offset: -0.355 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 5.346 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 4.471 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 7.180 ms
Loss rate: 0.78%
```

Run 4: Report of WebRTC media — Data Link

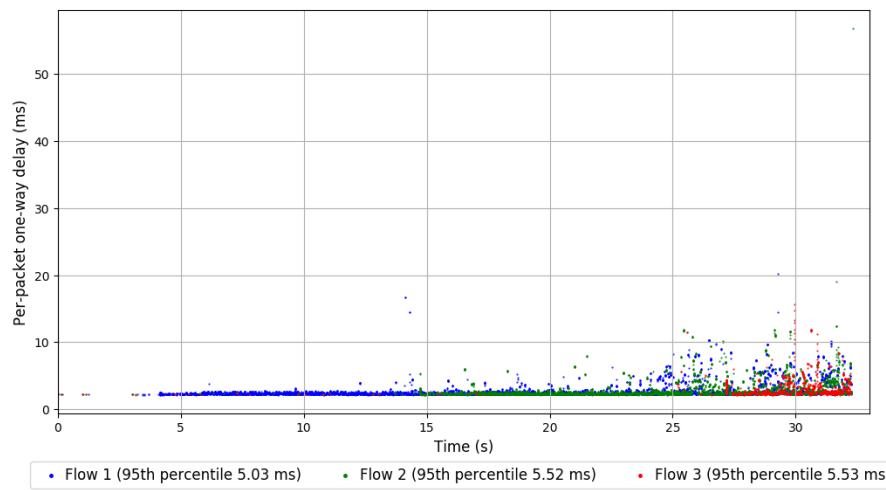
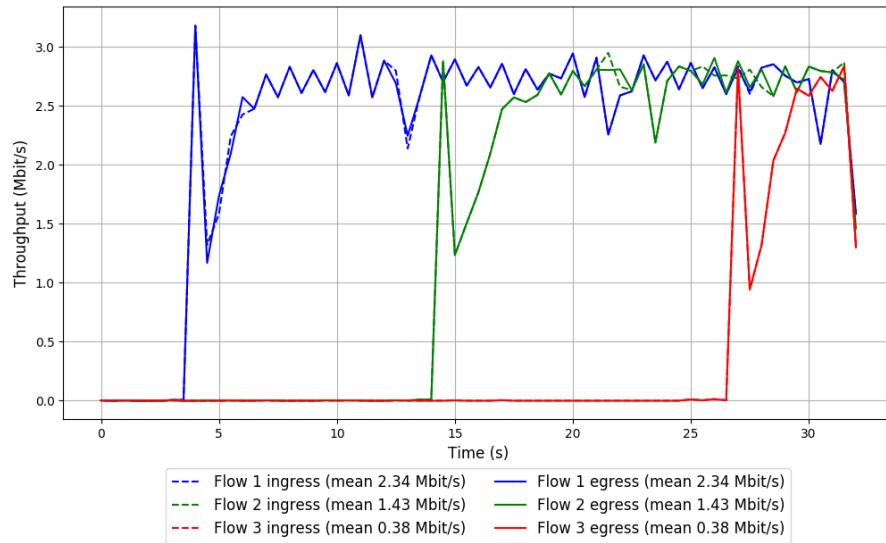


Run 5: Statistics of WebRTC media

```
Start at: 2017-10-12 08:25:15
End at: 2017-10-12 08:25:45
Local clock offset: -0.31 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 5.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 5.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 5.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 5.525 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

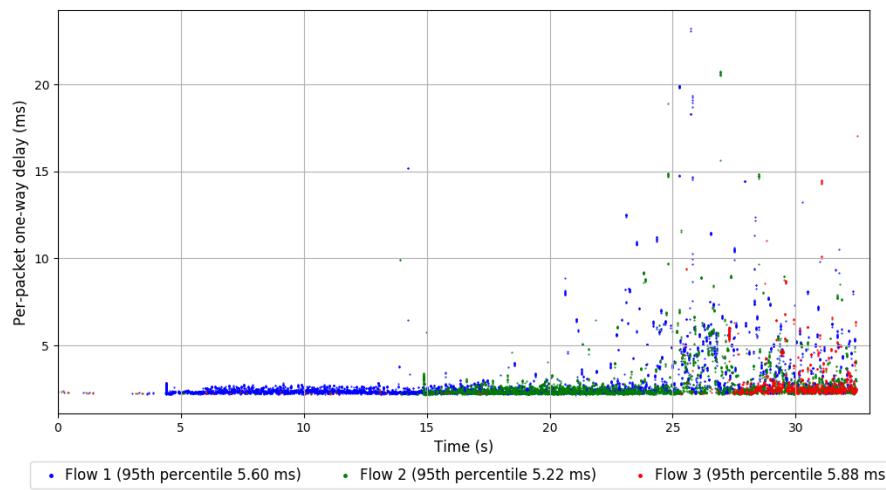
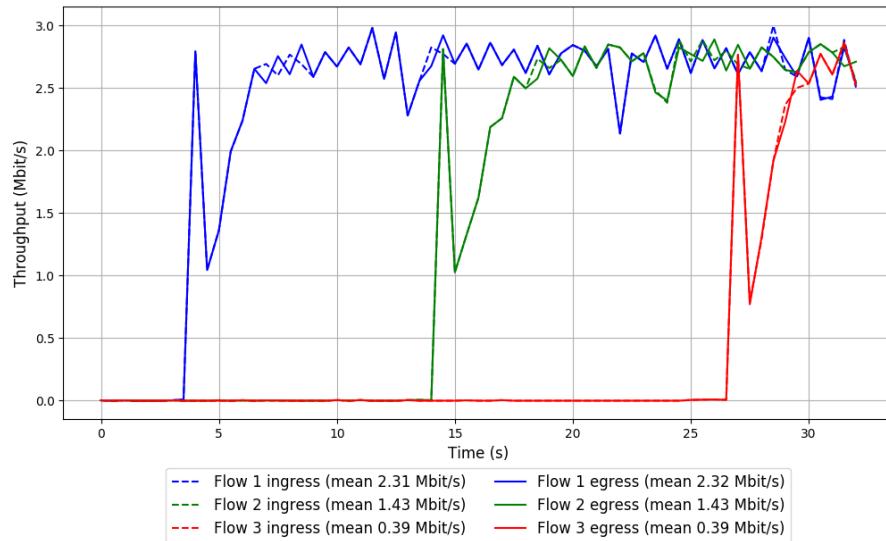


Run 6: Statistics of WebRTC media

```
Start at: 2017-10-12 08:45:27
End at: 2017-10-12 08:45:57
Local clock offset: -0.255 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 5.632 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 5.599 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 5.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 5.883 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

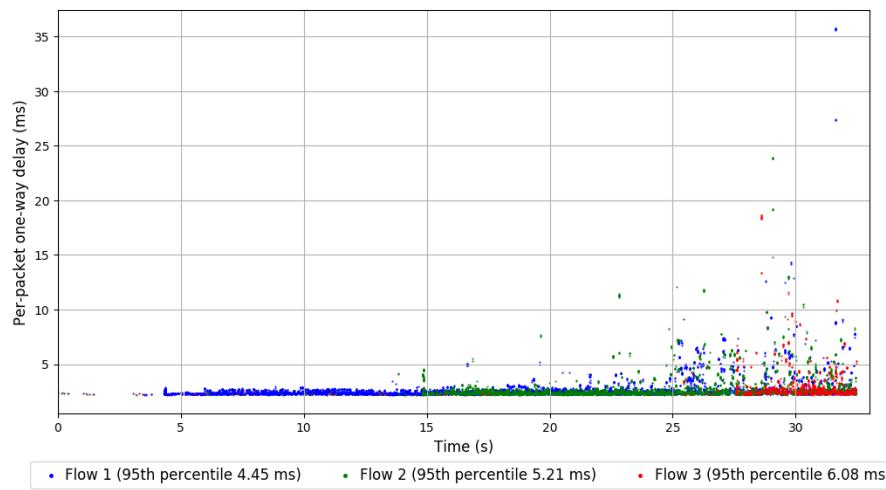
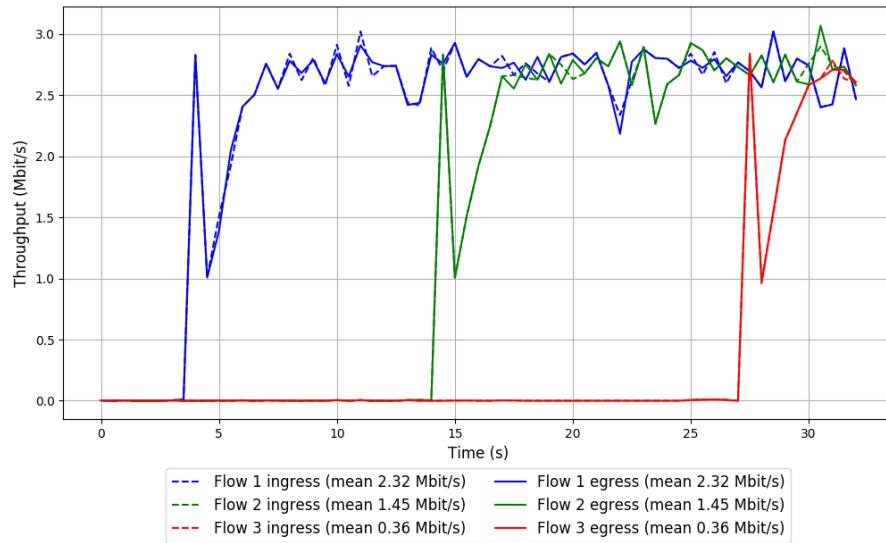


Run 7: Statistics of WebRTC media

```
Start at: 2017-10-12 09:05:44
End at: 2017-10-12 09:06:14
Local clock offset: -0.174 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 4.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 4.445 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 6.078 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

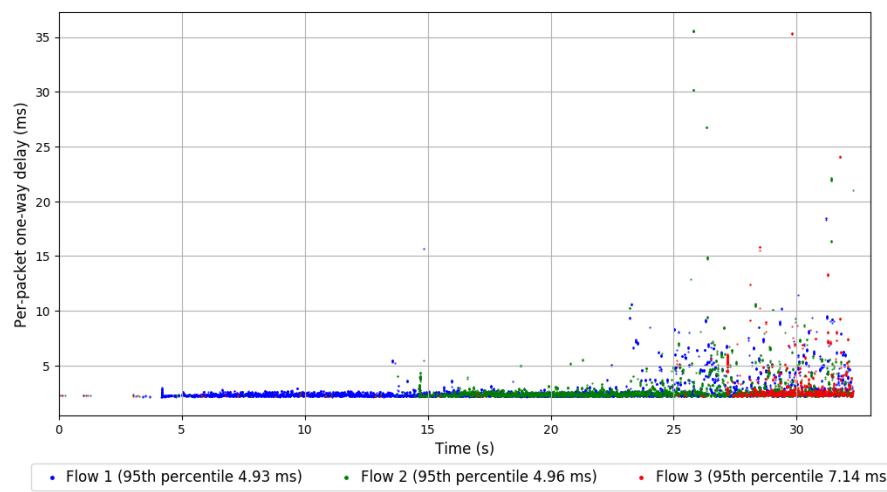
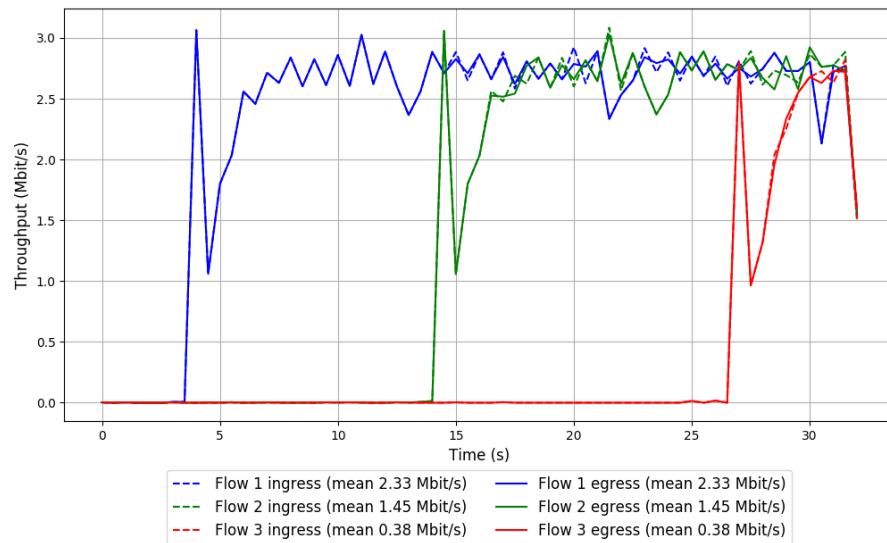


Run 8: Statistics of WebRTC media

```
Start at: 2017-10-12 09:26:01
End at: 2017-10-12 09:26:31
Local clock offset: -0.123 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 5.138 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 4.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 4.955 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 7.138 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

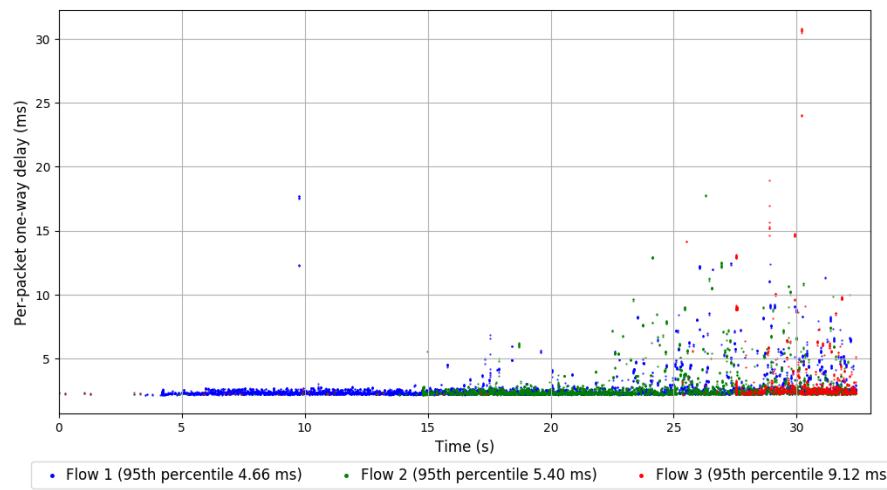
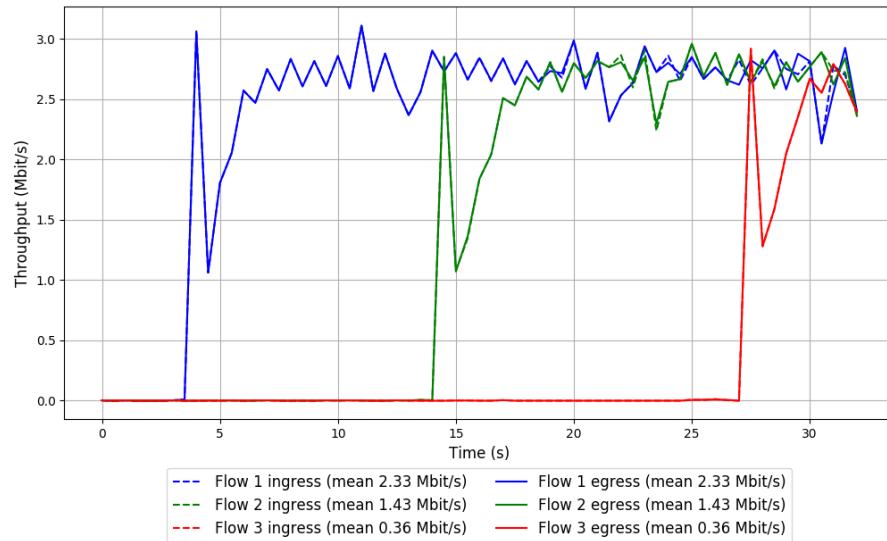


Run 9: Statistics of WebRTC media

```
Start at: 2017-10-12 09:46:13
End at: 2017-10-12 09:46:43
Local clock offset: -0.078 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 5.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 4.662 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 5.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 9.123 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

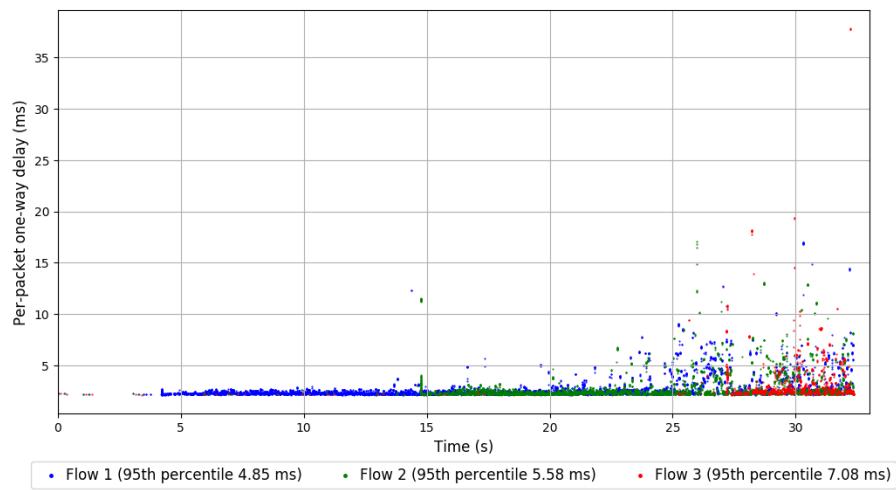
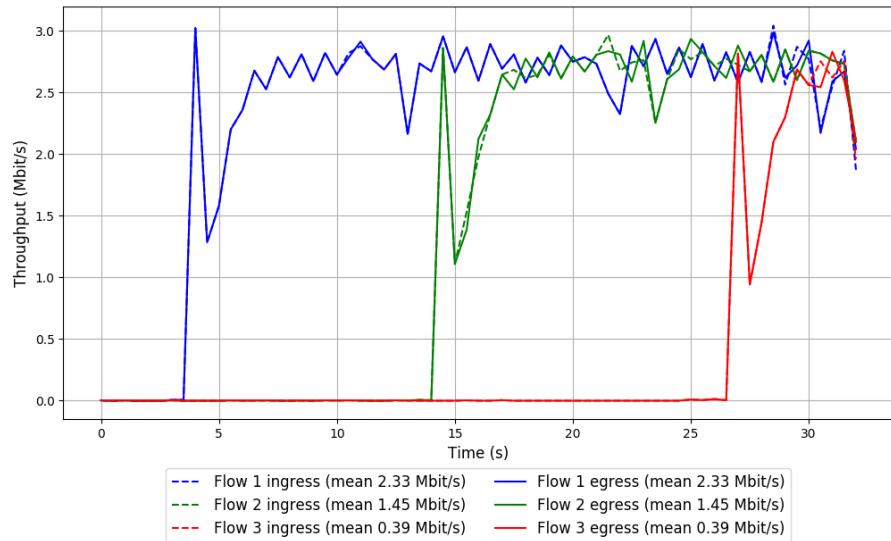


Run 10: Statistics of WebRTC media

```
Start at: 2017-10-12 10:06:16
End at: 2017-10-12 10:06:46
Local clock offset: -0.02 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2017-10-12 13:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 5.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 4.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.583 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 7.076 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

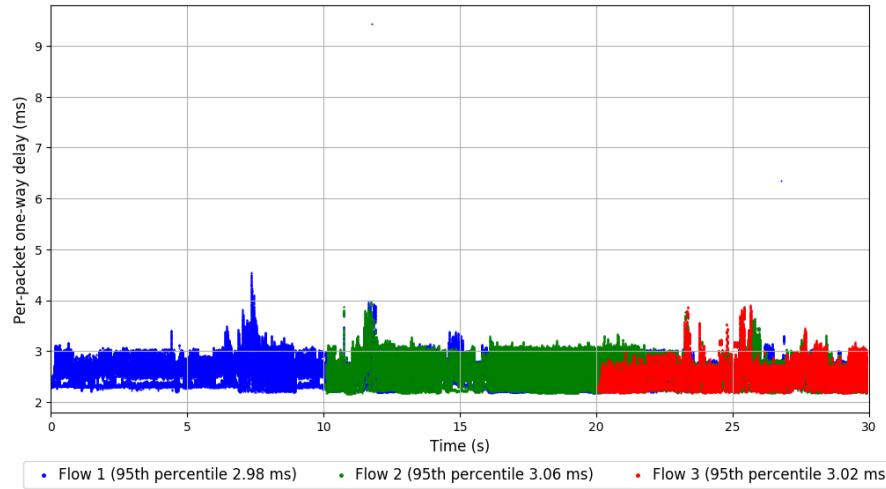
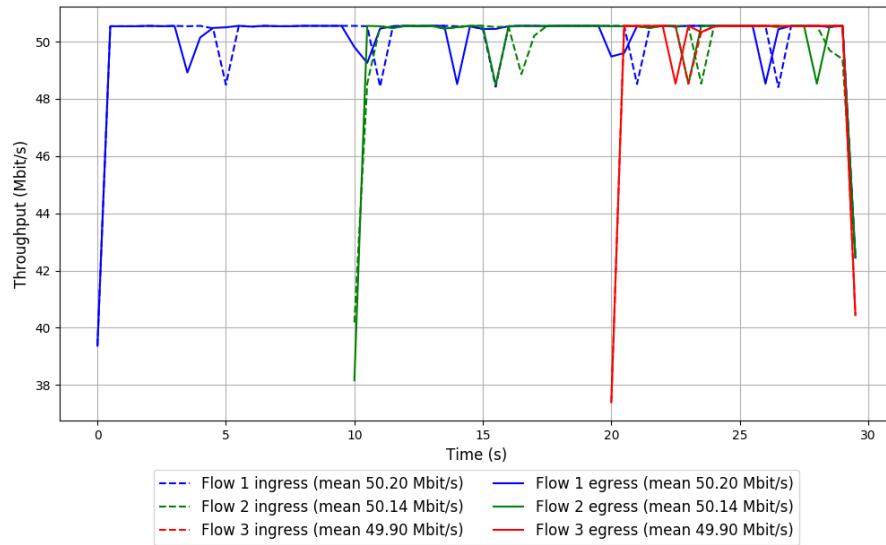


Run 1: Statistics of Sprout

```
Start at: 2017-10-12 06:50:35
End at: 2017-10-12 06:51:05
Local clock offset: -0.409 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2017-10-12 13:32:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.02 Mbit/s
95th percentile per-packet one-way delay: 3.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 2.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 3.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 3.018 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

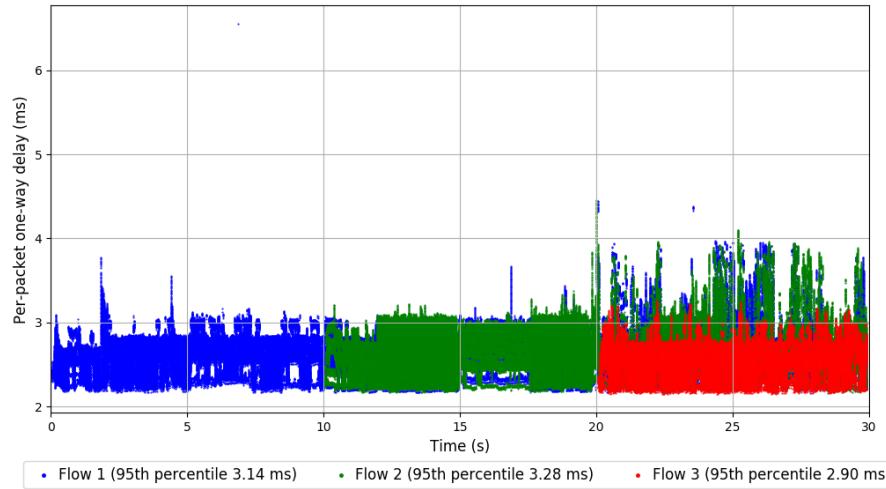
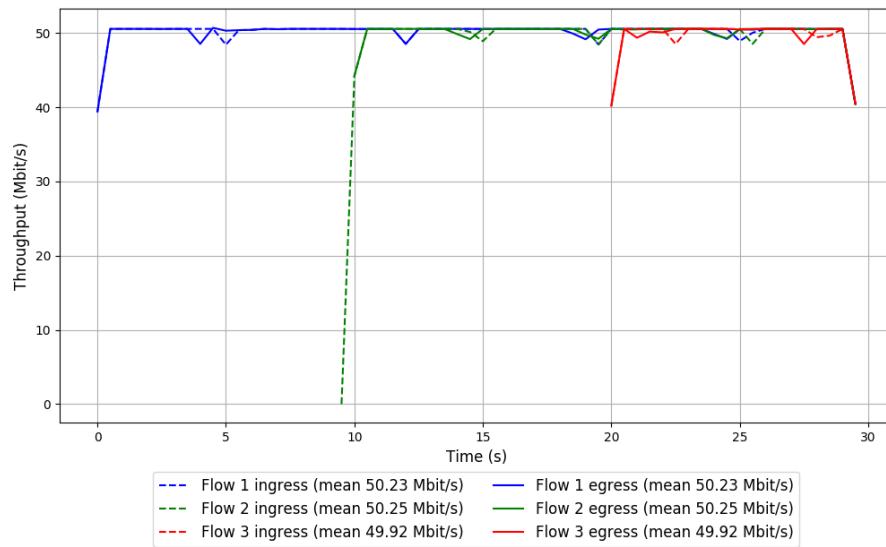


Run 2: Statistics of Sprout

```
Start at: 2017-10-12 07:10:22
End at: 2017-10-12 07:10:52
Local clock offset: -0.351 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2017-10-12 13:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.16 Mbit/s
95th percentile per-packet one-way delay: 3.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 3.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 2.902 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

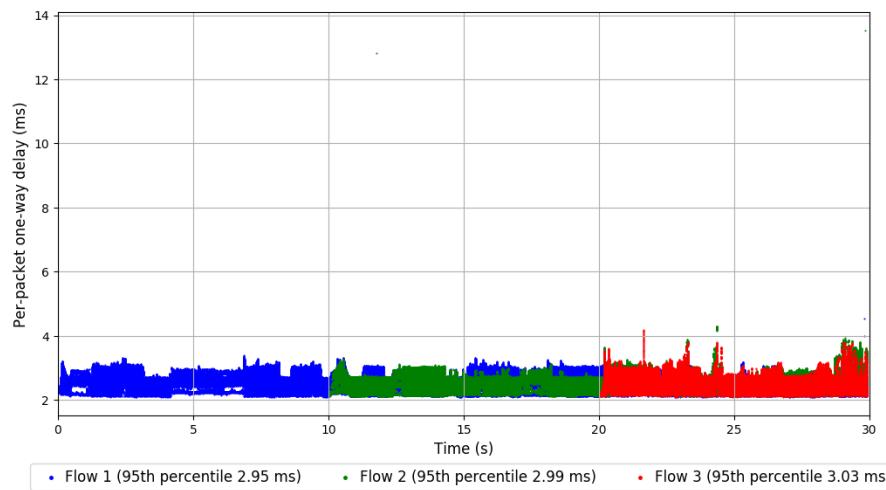
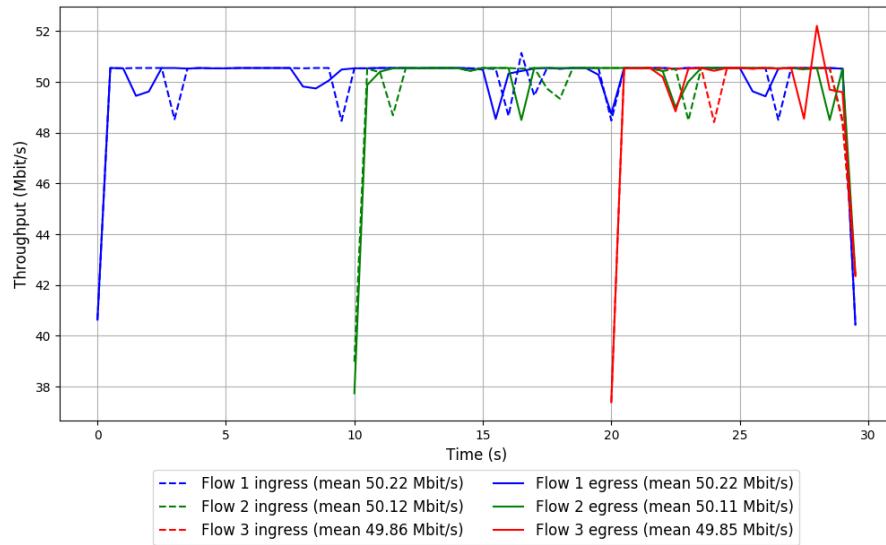


Run 3: Statistics of Sprout

```
Start at: 2017-10-12 07:30:39
End at: 2017-10-12 07:31:09
Local clock offset: -0.361 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2017-10-12 13:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.01 Mbit/s
95th percentile per-packet one-way delay: 2.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 3.033 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

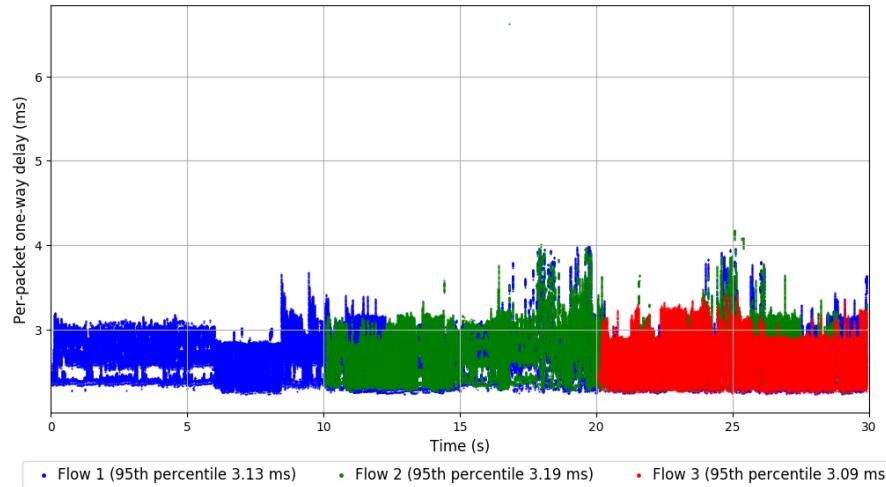
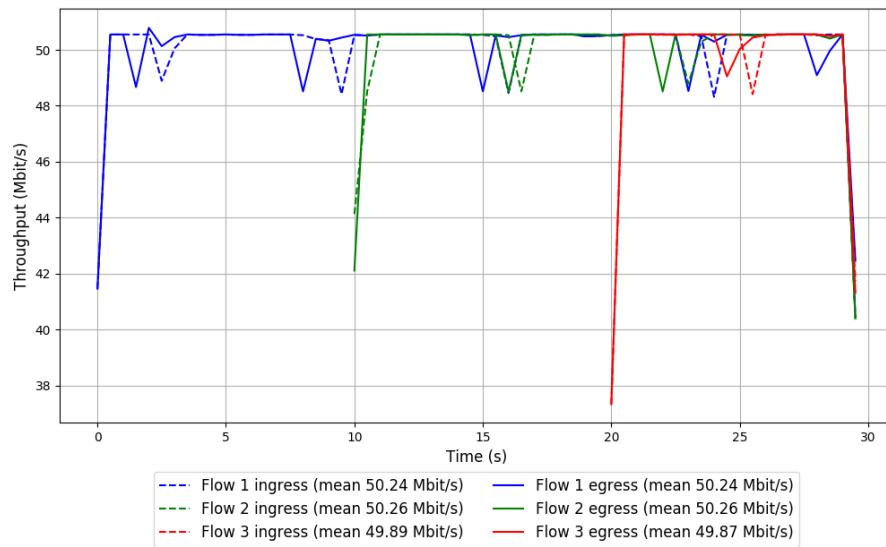


Run 4: Statistics of Sprout

```
Start at: 2017-10-12 07:51:04
End at: 2017-10-12 07:51:34
Local clock offset: -0.453 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2017-10-12 13:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.13 Mbit/s
95th percentile per-packet one-way delay: 3.143 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 3.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 3.092 ms
Loss rate: 0.04%
```

Run 4: Report of Sprout — Data Link

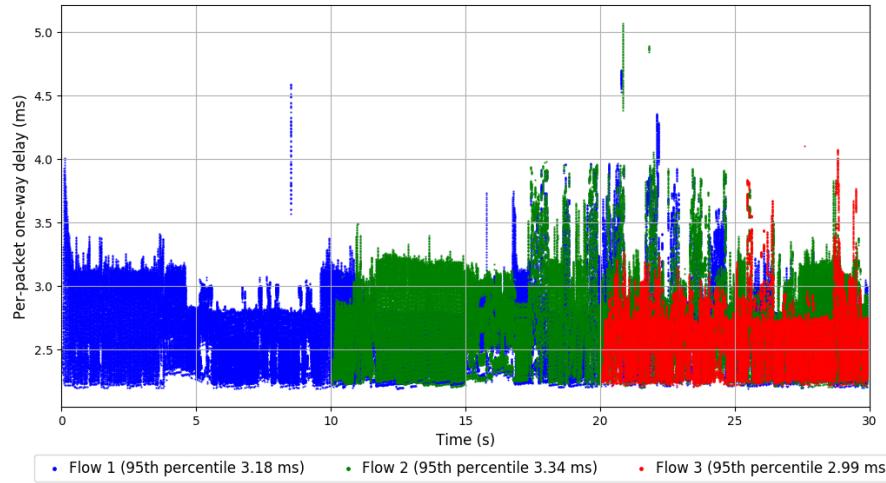
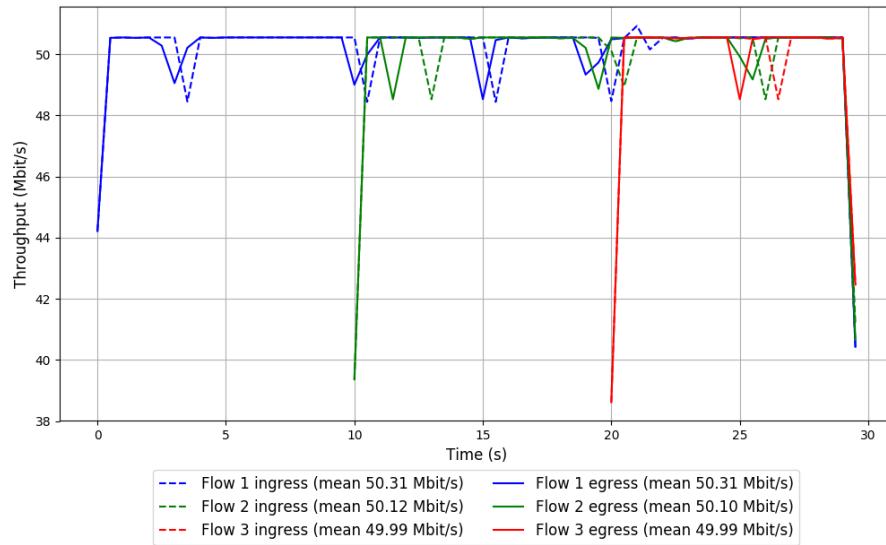


Run 5: Statistics of Sprout

```
Start at: 2017-10-12 08:11:12
End at: 2017-10-12 08:11:42
Local clock offset: -0.374 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2017-10-12 13:32:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.15 Mbit/s
95th percentile per-packet one-way delay: 3.211 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 3.178 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 3.338 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 2.986 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

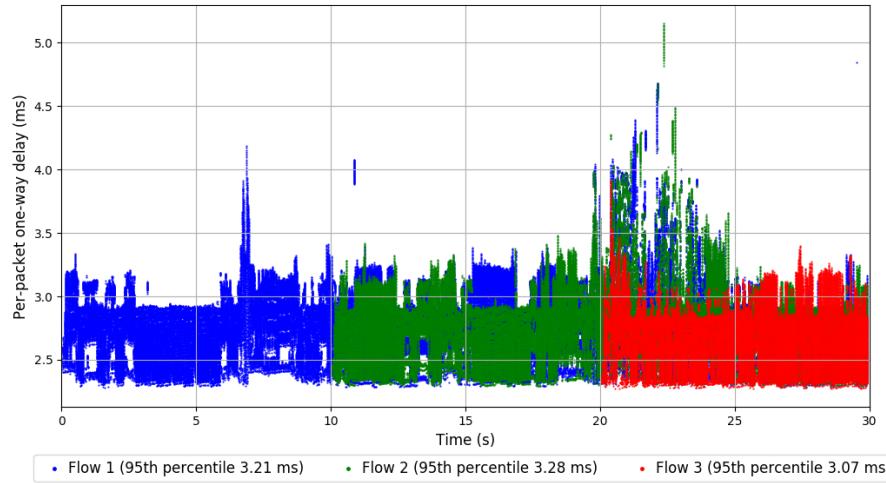
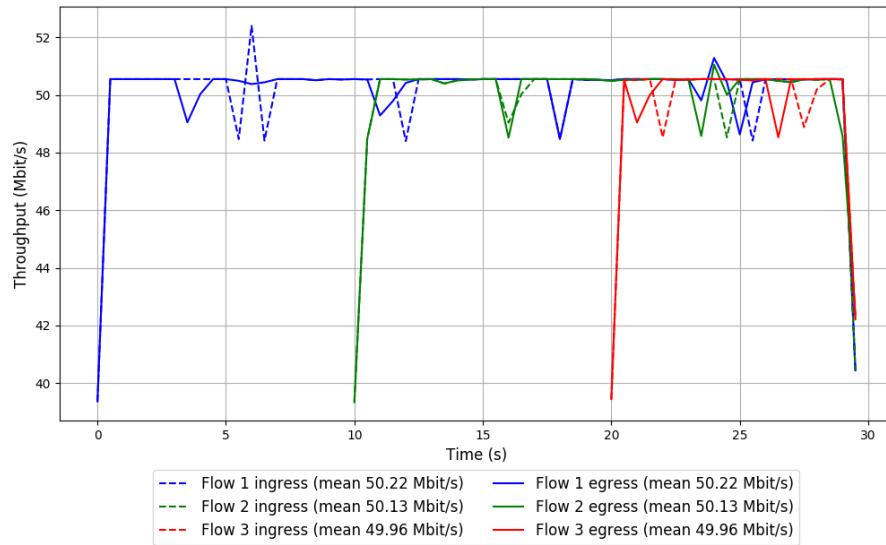


Run 6: Statistics of Sprout

```
Start at: 2017-10-12 08:31:38
End at: 2017-10-12 08:32:08
Local clock offset: -0.389 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2017-10-12 13:32:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.05 Mbit/s
95th percentile per-packet one-way delay: 3.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 3.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 3.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

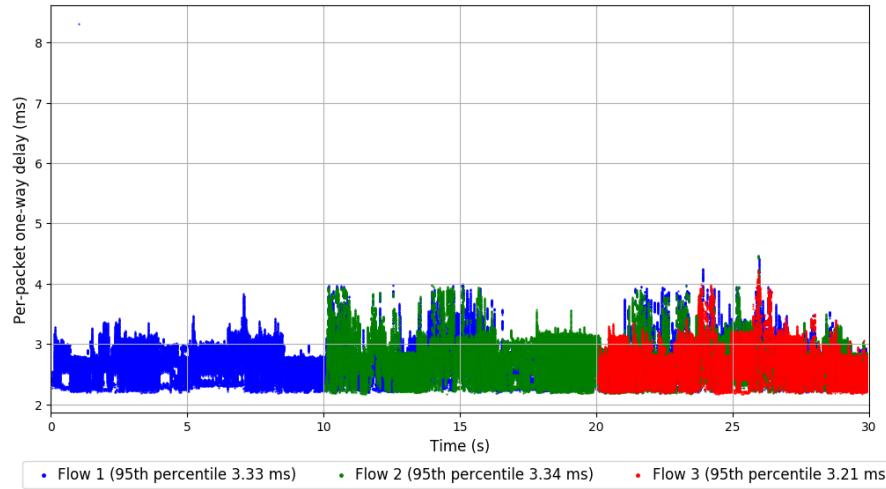
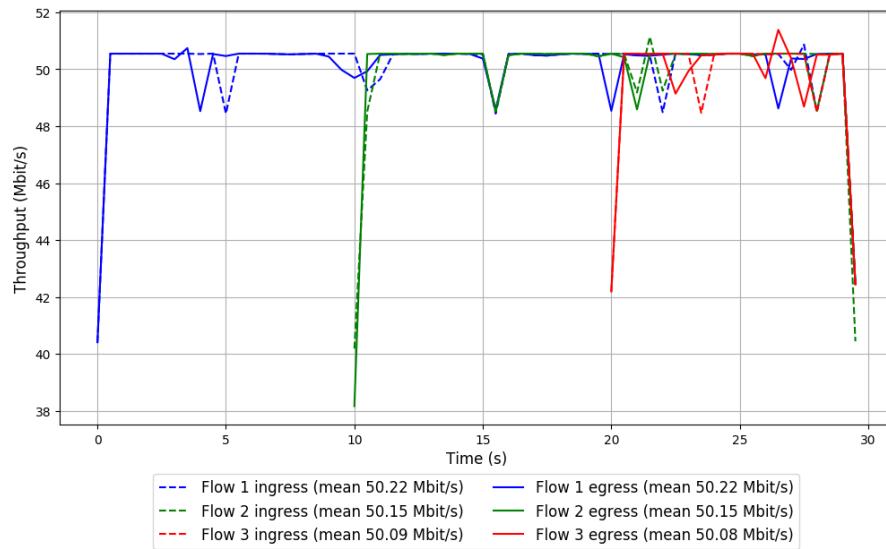


Run 7: Statistics of Sprout

```
Start at: 2017-10-12 08:51:48
End at: 2017-10-12 08:52:18
Local clock offset: -0.225 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2017-10-12 13:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.12 Mbit/s
95th percentile per-packet one-way delay: 3.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 3.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 3.206 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

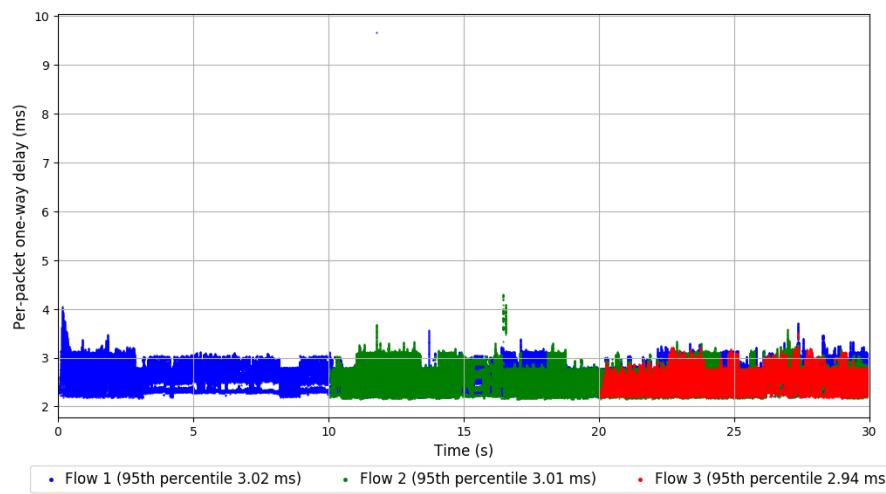
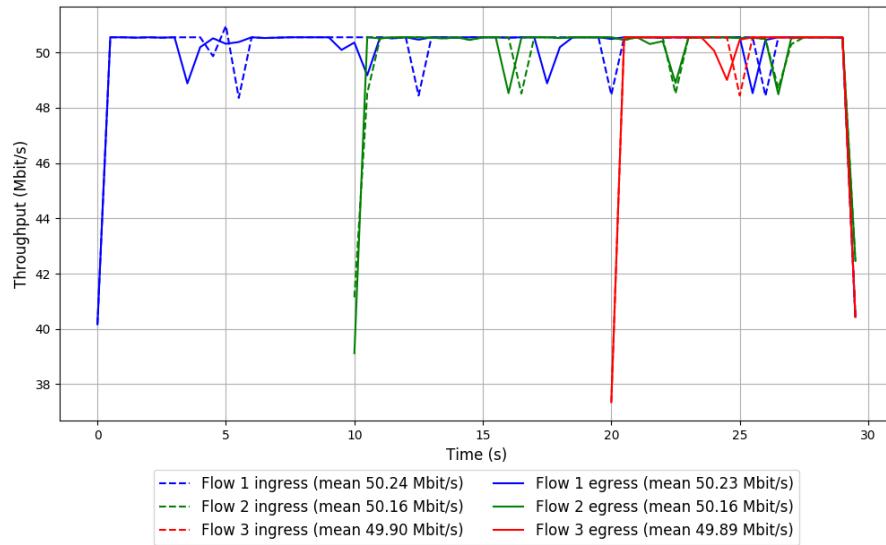


Run 8: Statistics of Sprout

```
Start at: 2017-10-12 09:12:08
End at: 2017-10-12 09:12:38
Local clock offset: -0.158 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2017-10-12 13:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.06 Mbit/s
95th percentile per-packet one-way delay: 3.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 3.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 3.012 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

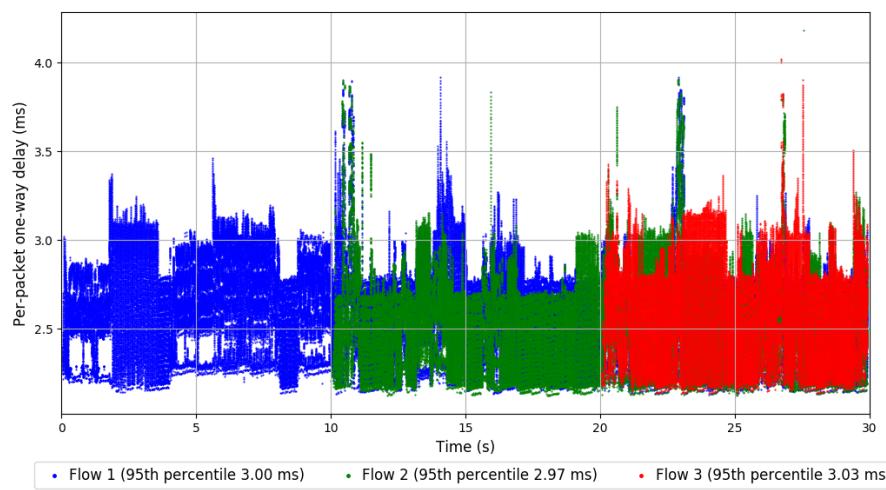
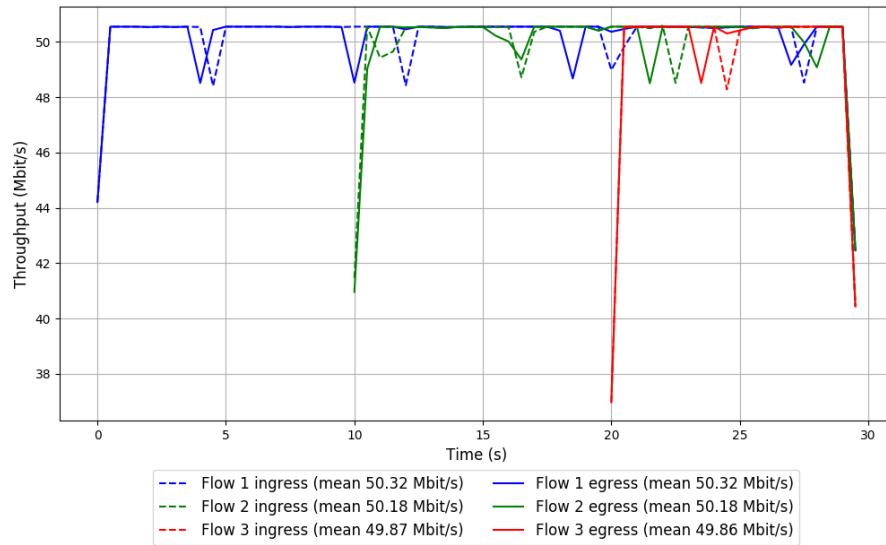


Run 9: Statistics of Sprout

```
Start at: 2017-10-12 09:32:21
End at: 2017-10-12 09:32:51
Local clock offset: -0.11 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2017-10-12 13:33:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.17 Mbit/s
95th percentile per-packet one-way delay: 2.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 3.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 2.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 3.032 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

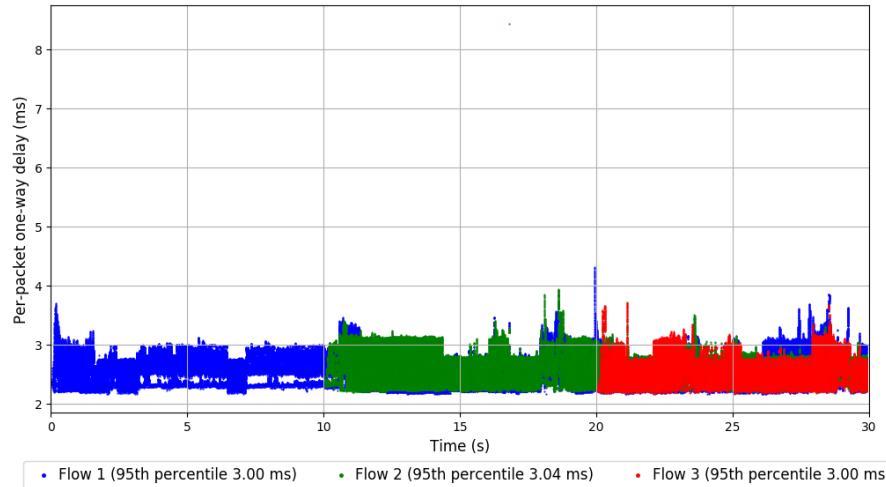
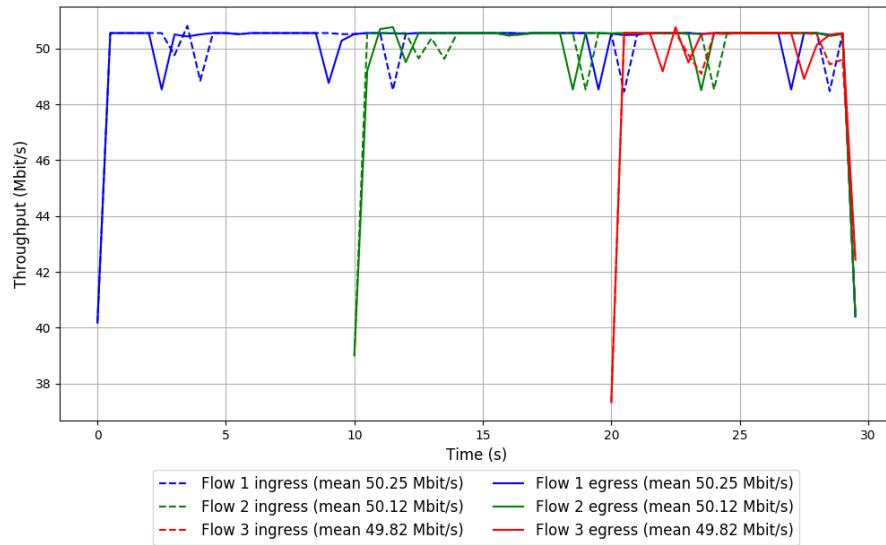


Run 10: Statistics of Sprout

```
Start at: 2017-10-12 09:52:31
End at: 2017-10-12 09:53:01
Local clock offset: -0.064 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2017-10-12 13:33:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 3.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 3.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 3.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 2.997 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

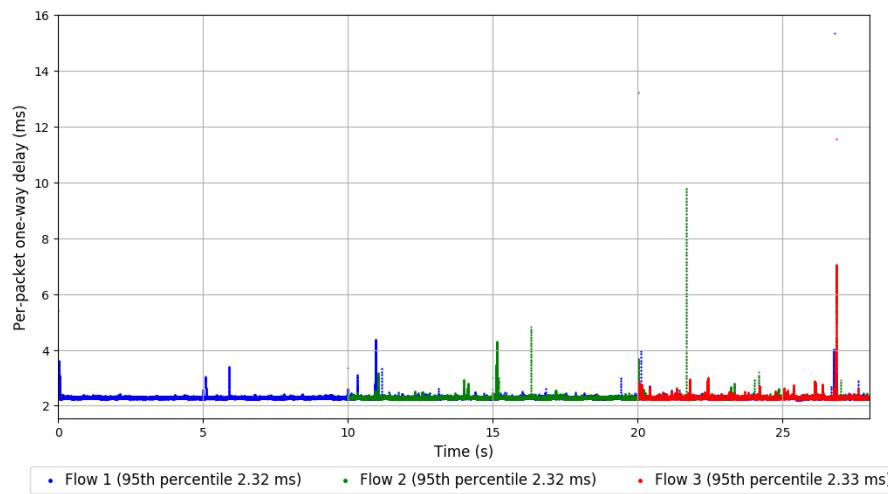
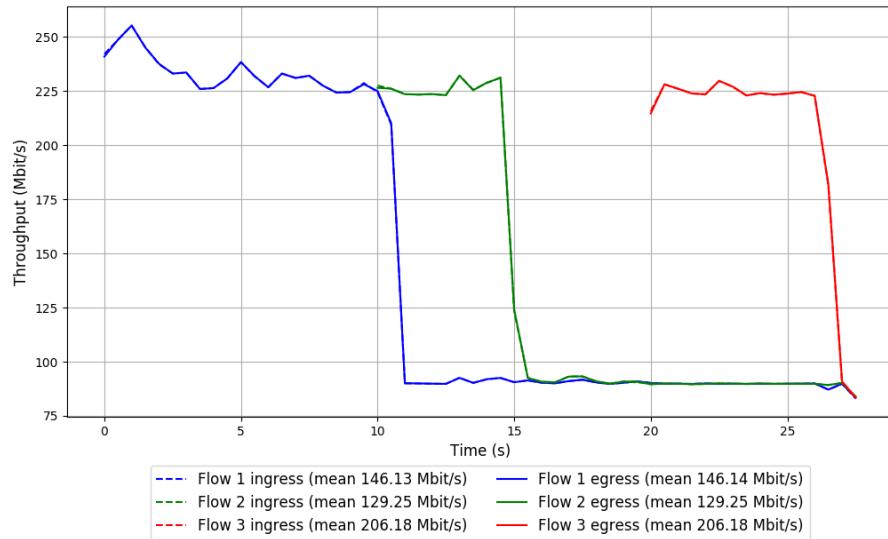


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-10-12 06:57:35
End at: 2017-10-12 06:58:05
Local clock offset: -0.447 ms
Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2017-10-12 13:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.63 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.14 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.25 Mbit/s
95th percentile per-packet one-way delay: 2.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 206.18 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%
```

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

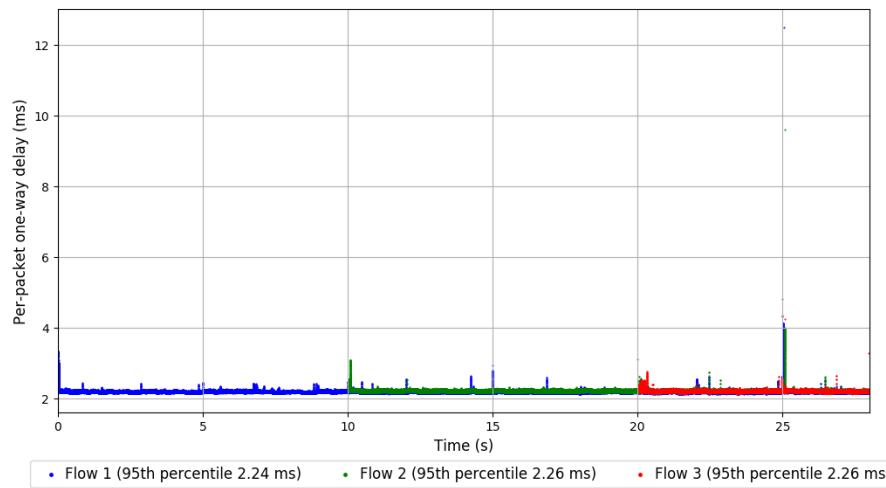
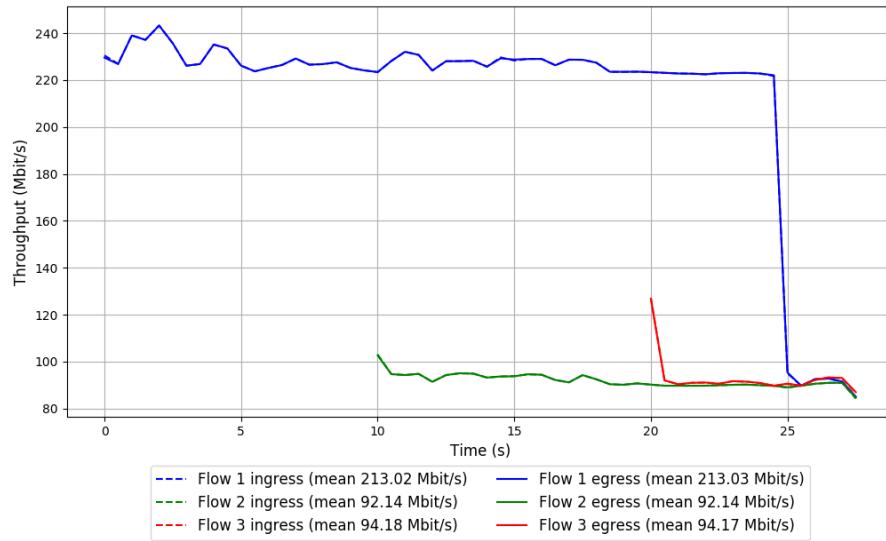


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-10-12 07:17:42
End at: 2017-10-12 07:18:12
Local clock offset: -0.374 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2017-10-12 13:40:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.84 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.03 Mbit/s
95th percentile per-packet one-way delay: 2.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 2.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 2.257 ms
Loss rate: 0.00%
```

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

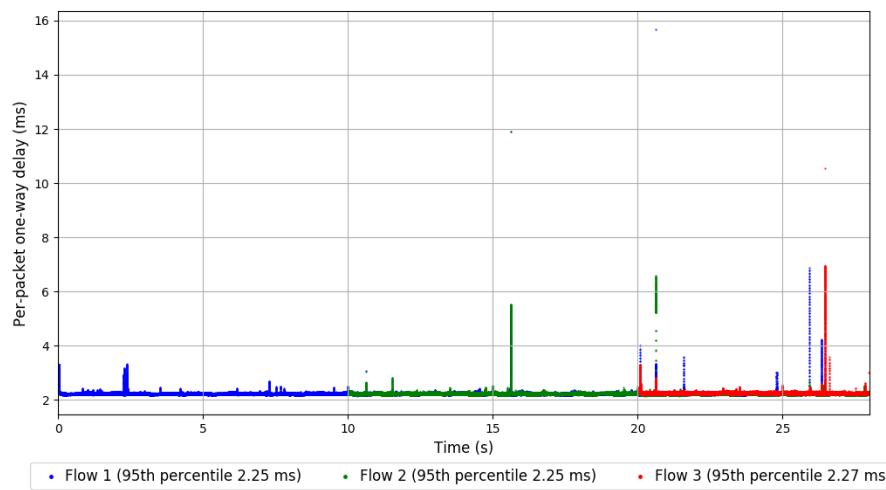
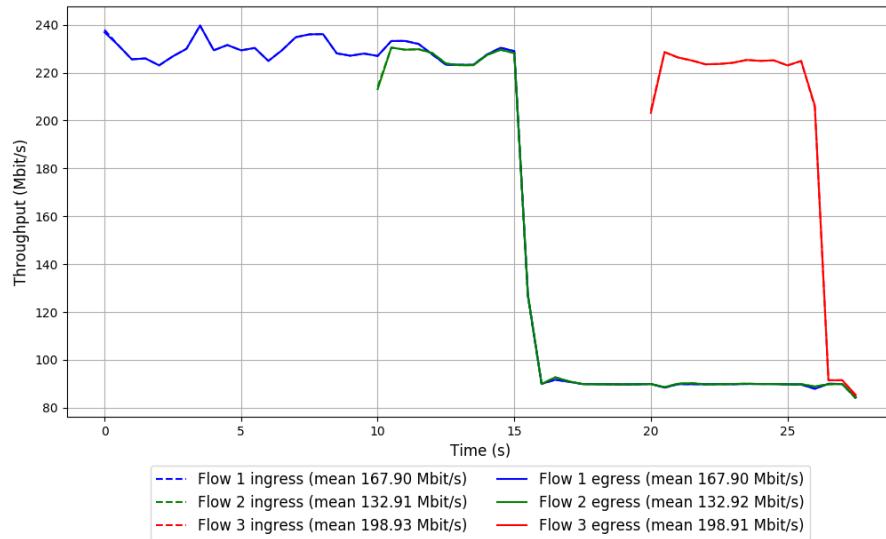


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-10-12 07:38:06
End at: 2017-10-12 07:38:36
Local clock offset: -0.379 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2017-10-12 13:40:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 309.46 Mbit/s
95th percentile per-packet one-way delay: 2.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.90 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.92 Mbit/s
95th percentile per-packet one-way delay: 2.251 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.91 Mbit/s
95th percentile per-packet one-way delay: 2.274 ms
Loss rate: 0.00%
```

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

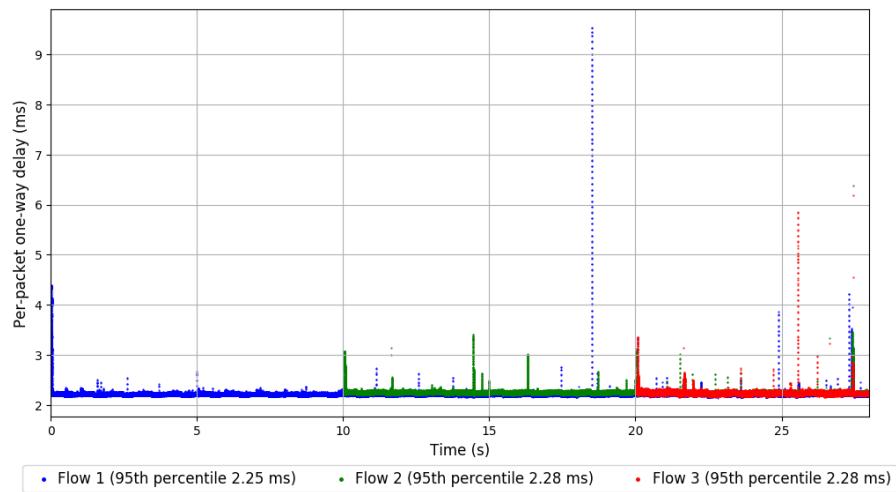
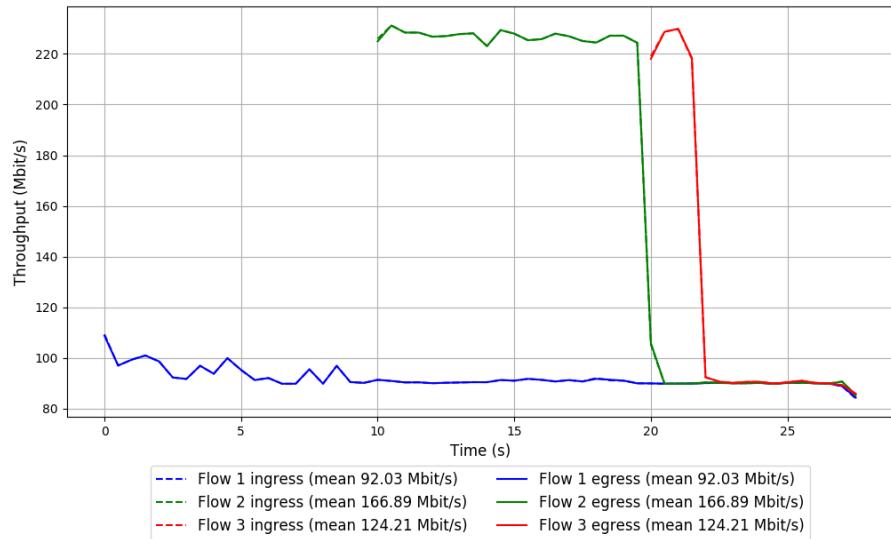


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-10-12 07:58:25
End at: 2017-10-12 07:58:55
Local clock offset: -0.369 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2017-10-12 13:40:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.43 Mbit/s
95th percentile per-packet one-way delay: 2.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 2.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.89 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.21 Mbit/s
95th percentile per-packet one-way delay: 2.282 ms
Loss rate: 0.00%
```

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

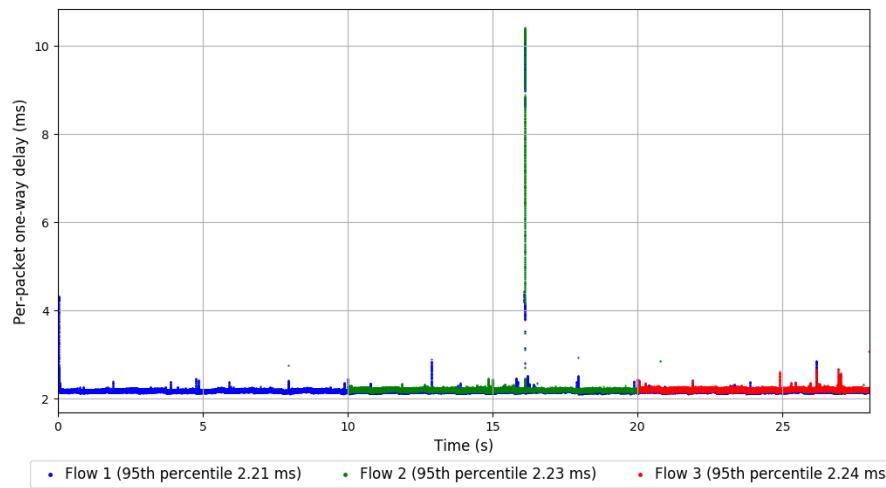
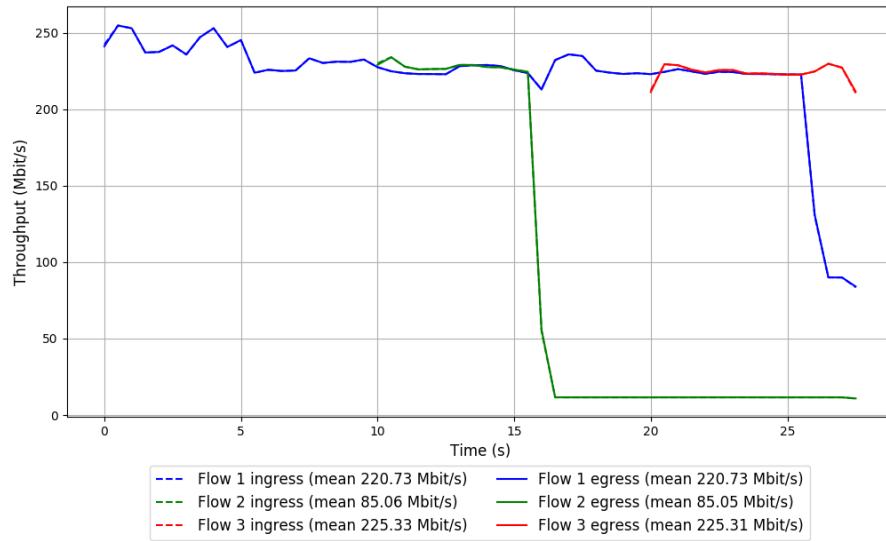


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-10-12 08:18:36
End at: 2017-10-12 08:19:06
Local clock offset: -0.31 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2017-10-12 13:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.31 Mbit/s
95th percentile per-packet one-way delay: 2.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.73 Mbit/s
95th percentile per-packet one-way delay: 2.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 2.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 225.31 Mbit/s
95th percentile per-packet one-way delay: 2.236 ms
Loss rate: 0.00%
```

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

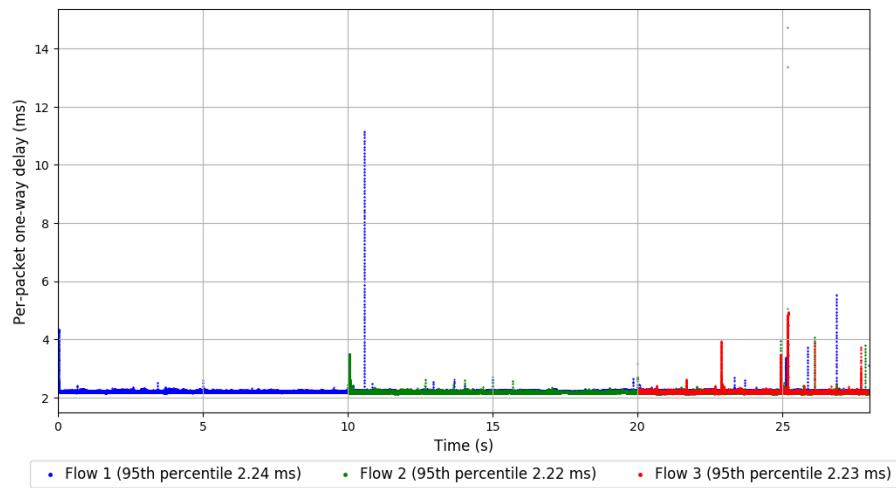
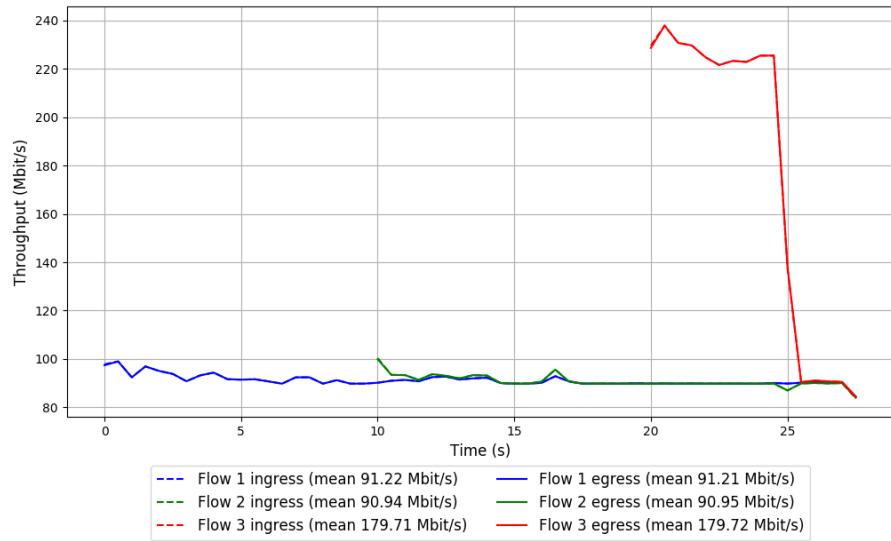


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-10-12 08:39:00
End at: 2017-10-12 08:39:30
Local clock offset: -0.269 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2017-10-12 13:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.66 Mbit/s
95th percentile per-packet one-way delay: 2.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 2.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 2.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.72 Mbit/s
95th percentile per-packet one-way delay: 2.232 ms
Loss rate: 0.00%
```

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

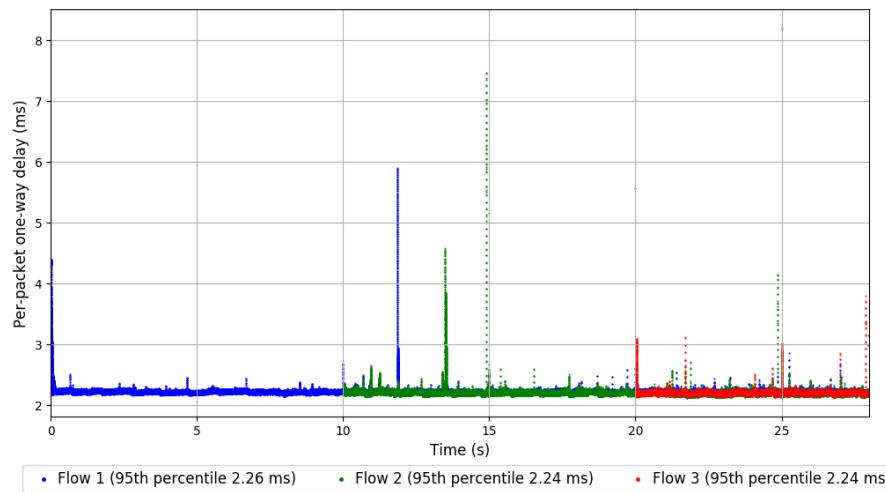
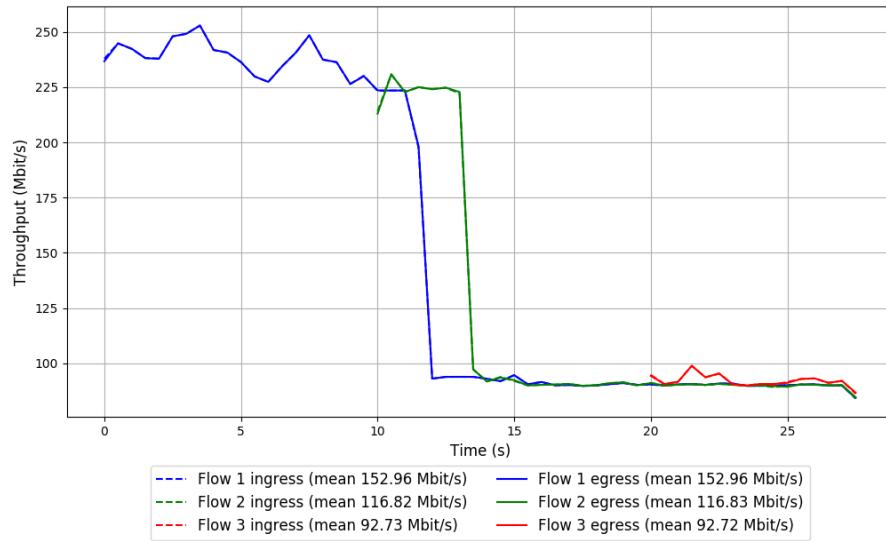


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-10-12 08:59:12
End at: 2017-10-12 08:59:42
Local clock offset: -0.193 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2017-10-12 13:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.20 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.96 Mbit/s
95th percentile per-packet one-way delay: 2.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.83 Mbit/s
95th percentile per-packet one-way delay: 2.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 2.240 ms
Loss rate: 0.00%
```

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

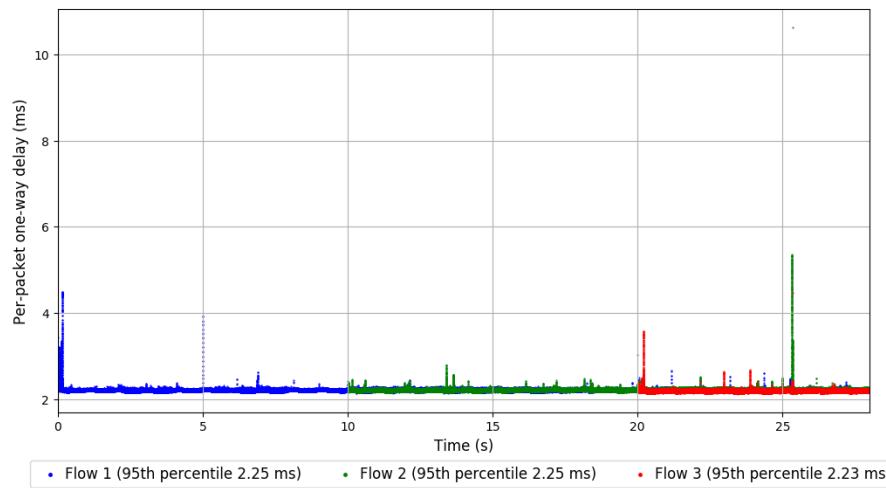
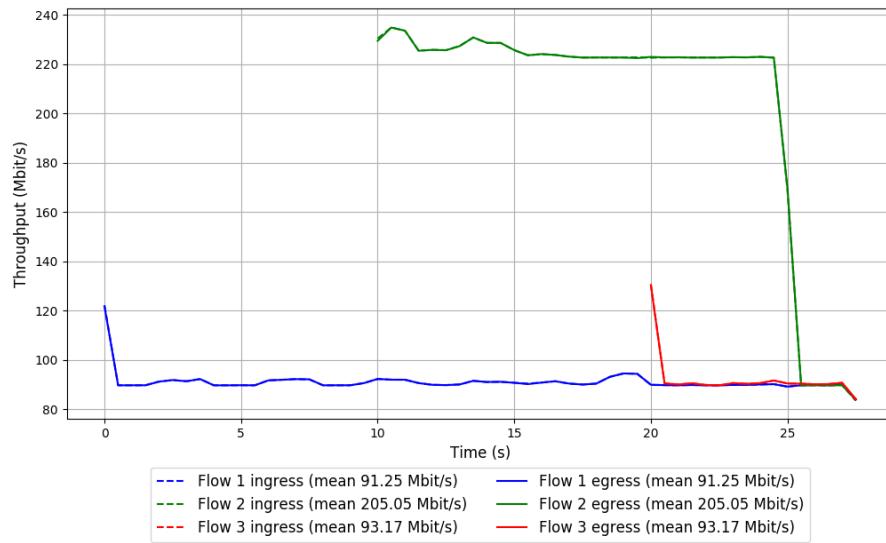


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-10-12 09:19:28
End at: 2017-10-12 09:19:58
Local clock offset: -0.13 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2017-10-12 13:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 249.38 Mbit/s
95th percentile per-packet one-way delay: 2.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 2.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.05 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 2.231 ms
Loss rate: 0.00%
```

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

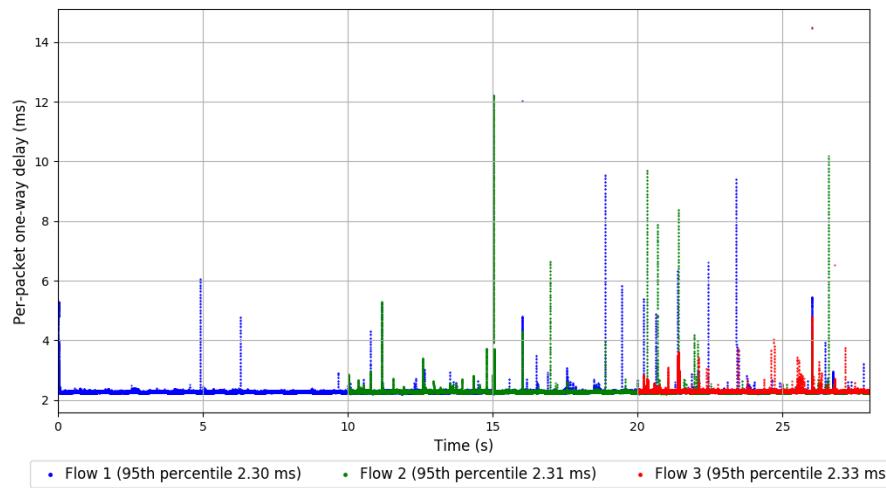
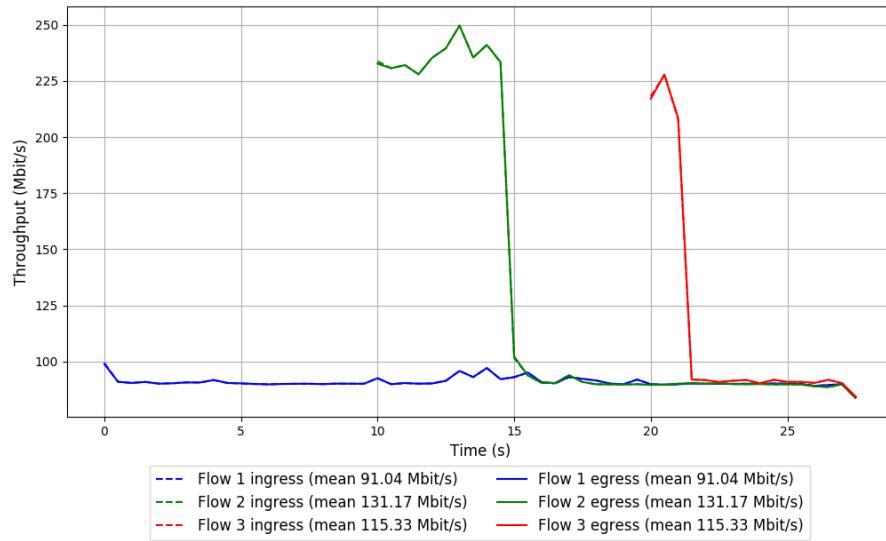


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-10-12 09:39:46
End at: 2017-10-12 09:40:16
Local clock offset: -0.156 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2017-10-12 13:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 208.02 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 2.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 131.17 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.33 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%
```

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

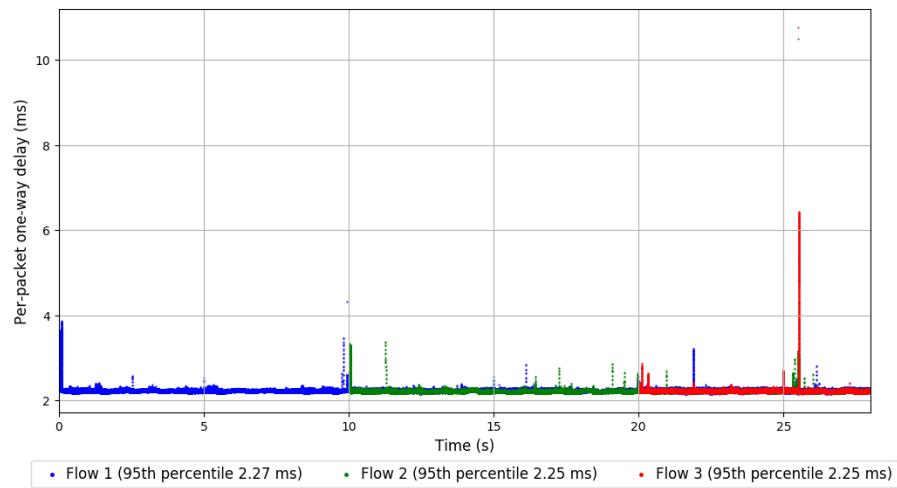
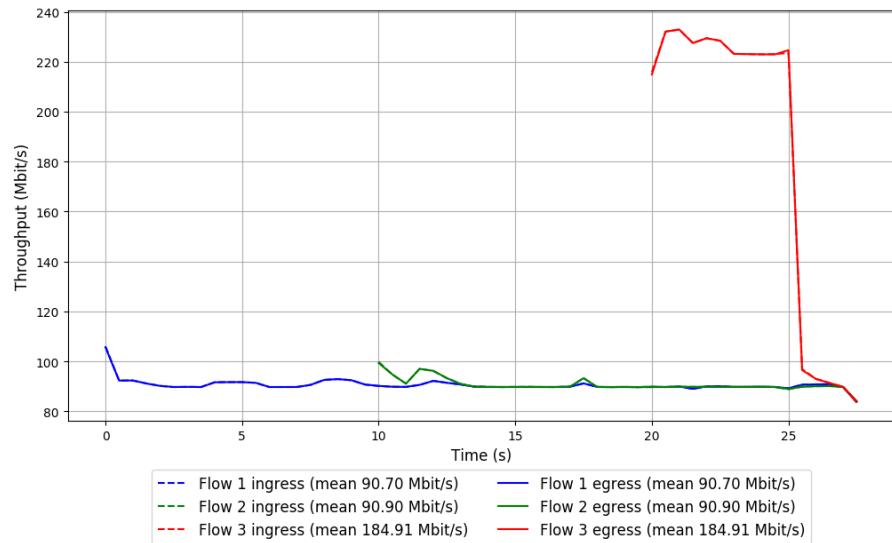


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-10-12 09:59:49
End at: 2017-10-12 10:00:19
Local clock offset: -0.05 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2017-10-12 13:43:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.57 Mbit/s
95th percentile per-packet one-way delay: 2.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.91 Mbit/s
95th percentile per-packet one-way delay: 2.254 ms
Loss rate: 0.00%
```

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

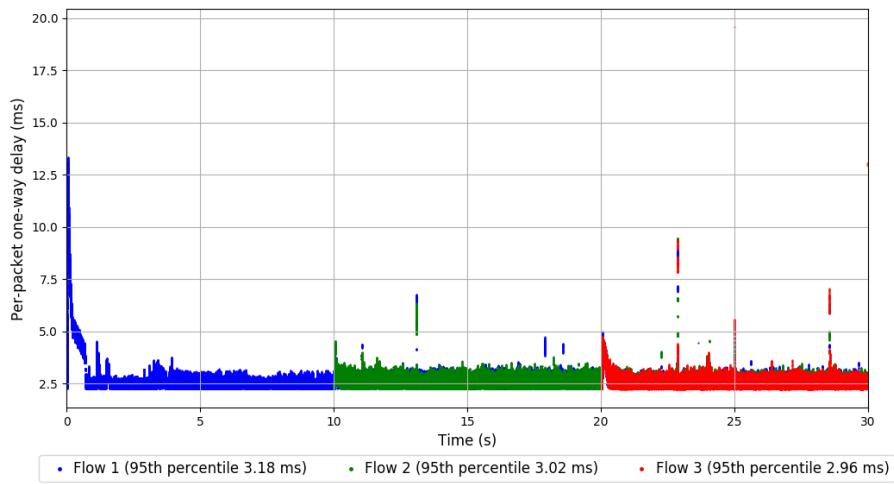
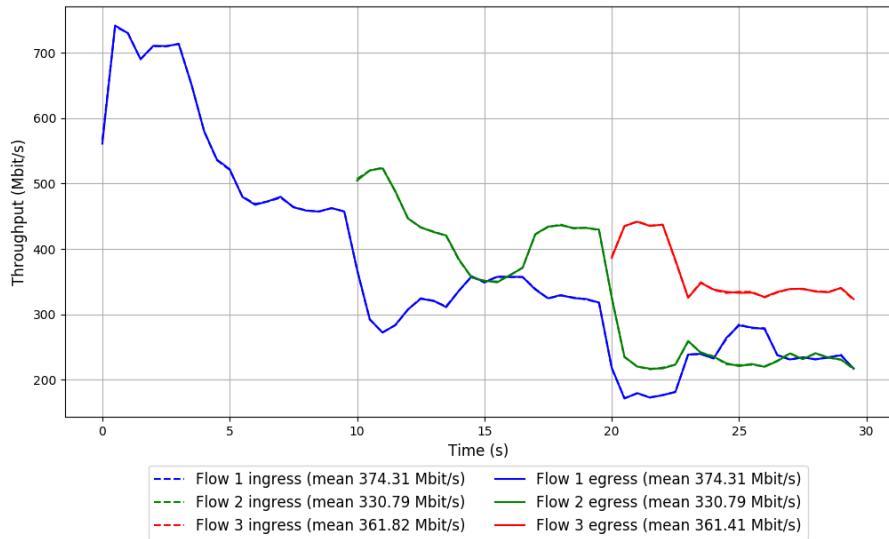


Run 1: Statistics of TCP Vegas

```
Start at: 2017-10-12 07:00:40
End at: 2017-10-12 07:01:10
Local clock offset: -0.424 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2017-10-12 13:49:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 714.52 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 374.31 Mbit/s
95th percentile per-packet one-way delay: 3.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 330.79 Mbit/s
95th percentile per-packet one-way delay: 3.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 361.41 Mbit/s
95th percentile per-packet one-way delay: 2.963 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Vegas — Data Link

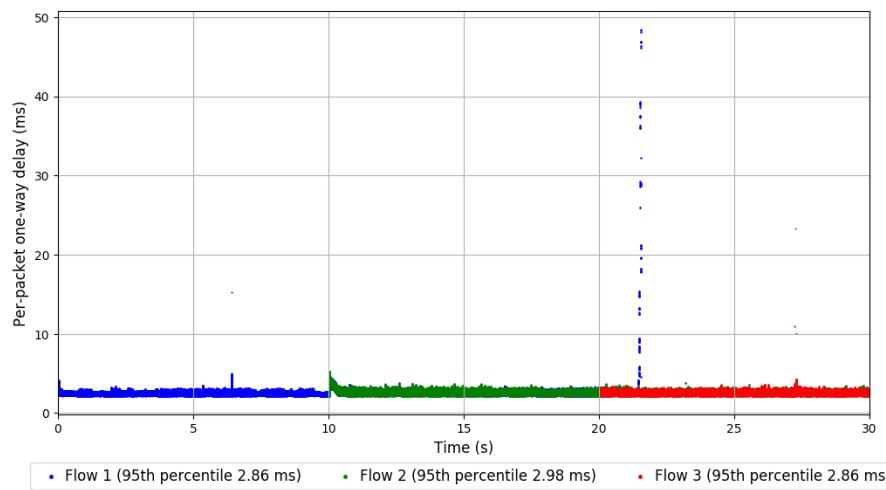
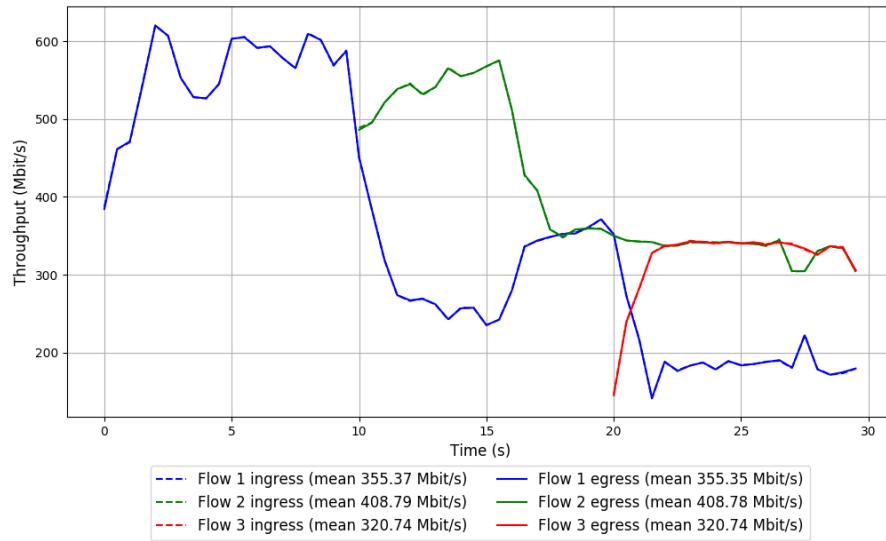


Run 2: Statistics of TCP Vegas

```
Start at: 2017-10-12 07:20:49
End at: 2017-10-12 07:21:19
Local clock offset: -0.373 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2017-10-12 13:50:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 733.95 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 355.35 Mbit/s
95th percentile per-packet one-way delay: 2.862 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 408.78 Mbit/s
95th percentile per-packet one-way delay: 2.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 320.74 Mbit/s
95th percentile per-packet one-way delay: 2.860 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

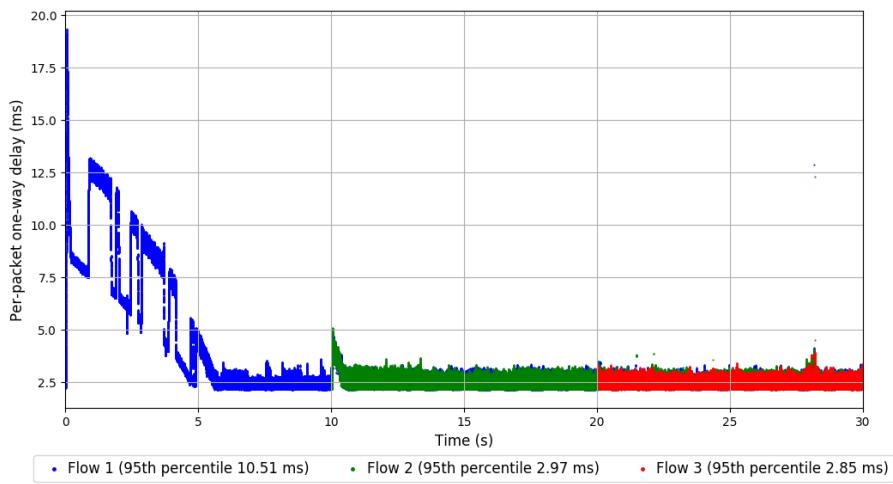
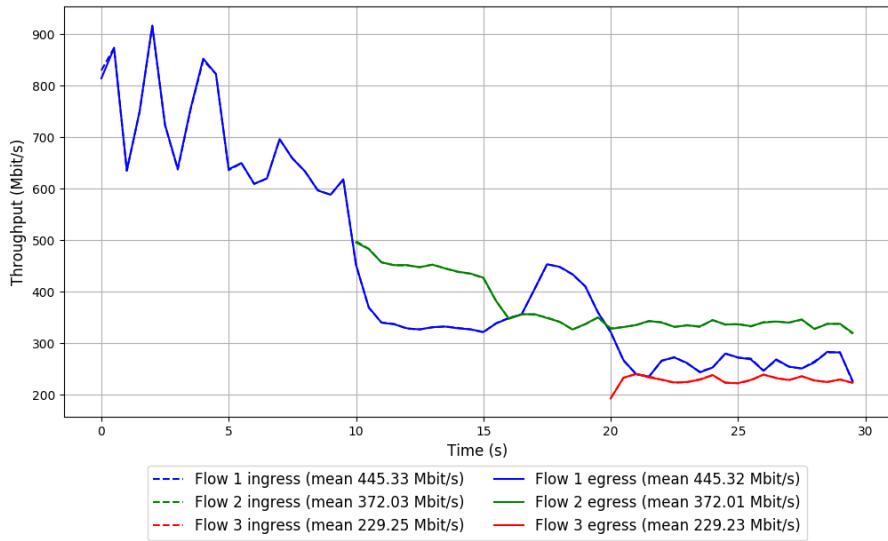


Run 3: Statistics of TCP Vegas

```
Start at: 2017-10-12 07:41:12
End at: 2017-10-12 07:41:42
Local clock offset: -0.363 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2017-10-12 13:51:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 769.15 Mbit/s
95th percentile per-packet one-way delay: 8.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 445.32 Mbit/s
95th percentile per-packet one-way delay: 10.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 372.01 Mbit/s
95th percentile per-packet one-way delay: 2.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 229.23 Mbit/s
95th percentile per-packet one-way delay: 2.848 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

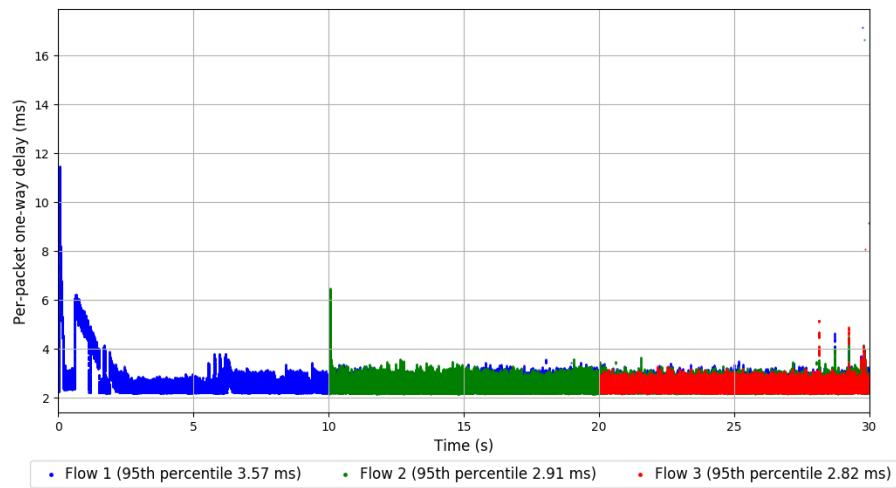
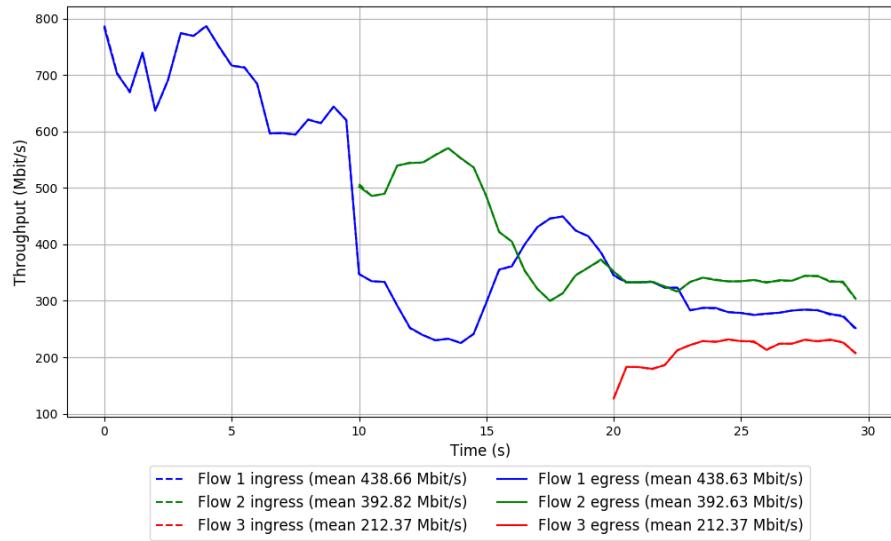


Run 4: Statistics of TCP Vegas

```
Start at: 2017-10-12 08:01:25
End at: 2017-10-12 08:01:55
Local clock offset: -0.368 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2017-10-12 13:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 770.51 Mbit/s
95th percentile per-packet one-way delay: 3.019 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 438.63 Mbit/s
95th percentile per-packet one-way delay: 3.566 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 392.63 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

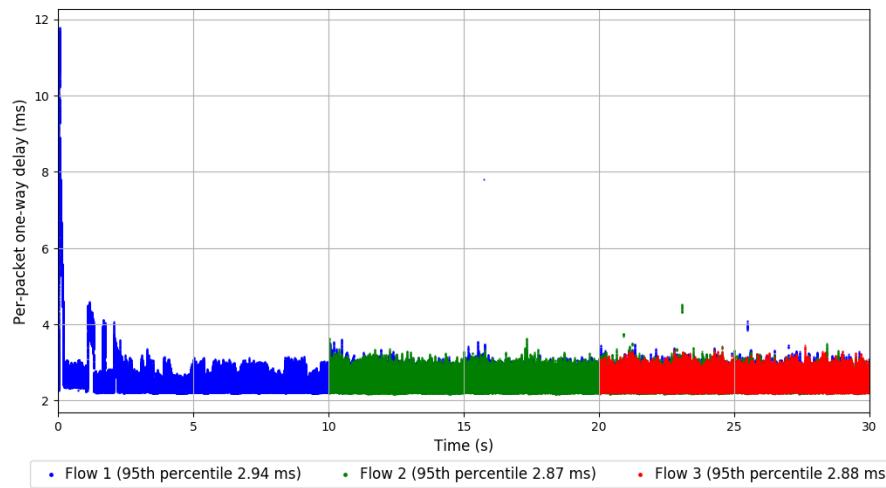
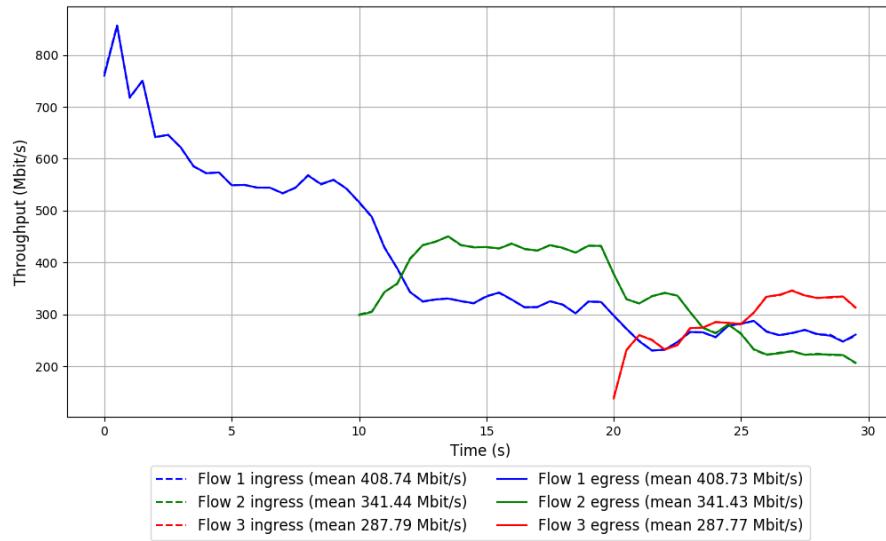


Run 5: Statistics of TCP Vegas

```
Start at: 2017-10-12 08:21:47
End at: 2017-10-12 08:22:17
Local clock offset: -0.4 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2017-10-12 13:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 731.62 Mbit/s
95th percentile per-packet one-way delay: 2.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 408.73 Mbit/s
95th percentile per-packet one-way delay: 2.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 341.43 Mbit/s
95th percentile per-packet one-way delay: 2.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 287.77 Mbit/s
95th percentile per-packet one-way delay: 2.879 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

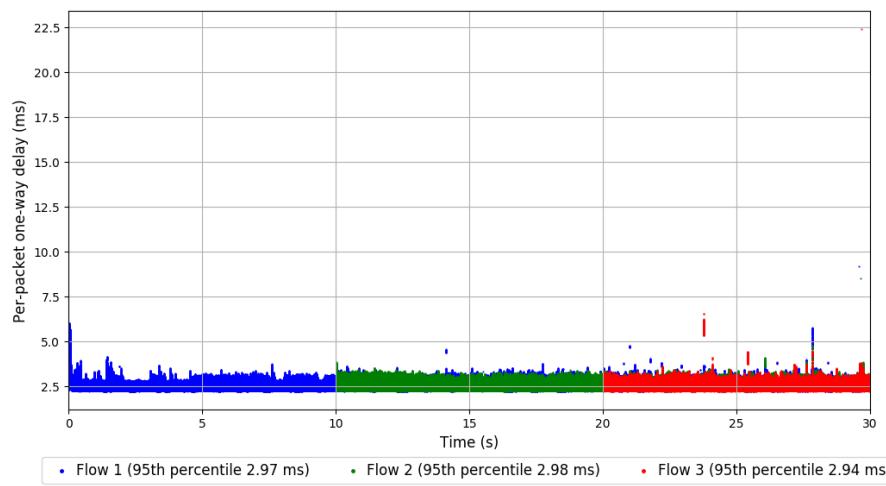
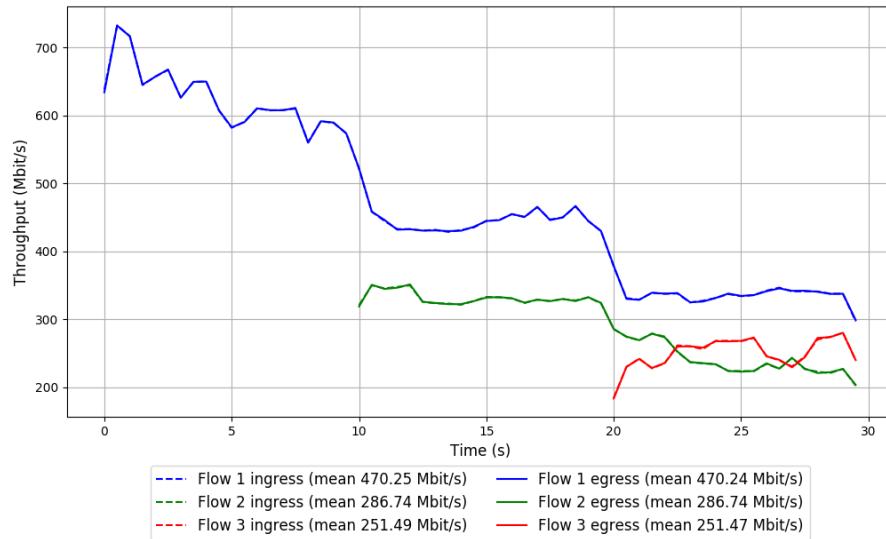


Run 6: Statistics of TCP Vegas

```
Start at: 2017-10-12 08:41:58
End at: 2017-10-12 08:42:28
Local clock offset: -0.279 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2017-10-12 13:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 744.66 Mbit/s
95th percentile per-packet one-way delay: 2.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 470.24 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 286.74 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 251.47 Mbit/s
95th percentile per-packet one-way delay: 2.939 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

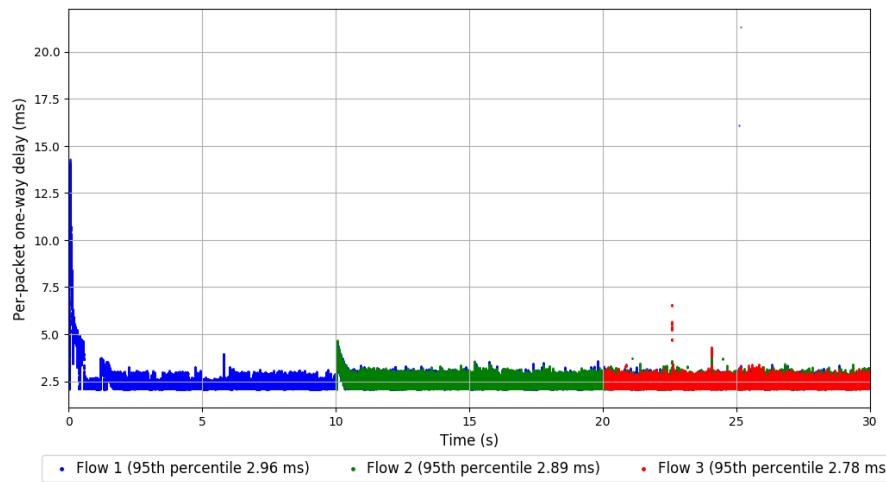
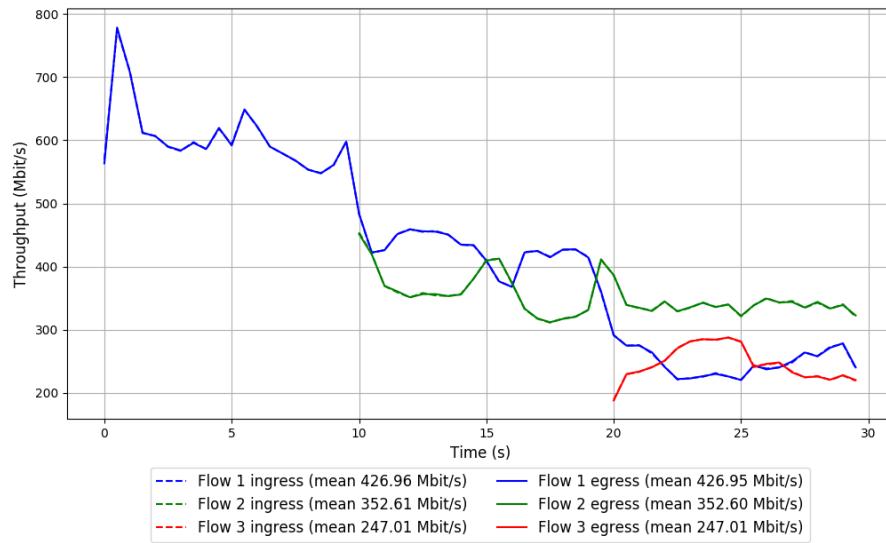


Run 7: Statistics of TCP Vegas

```
Start at: 2017-10-12 09:02:14
End at: 2017-10-12 09:02:44
Local clock offset: -0.179 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2017-10-12 13:54:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 743.76 Mbit/s
95th percentile per-packet one-way delay: 2.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 426.95 Mbit/s
95th percentile per-packet one-way delay: 2.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 352.60 Mbit/s
95th percentile per-packet one-way delay: 2.888 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 247.01 Mbit/s
95th percentile per-packet one-way delay: 2.780 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

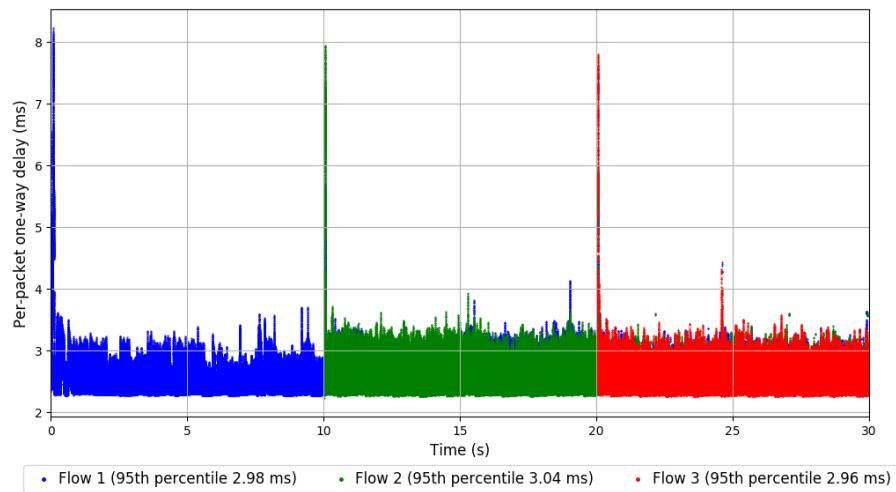
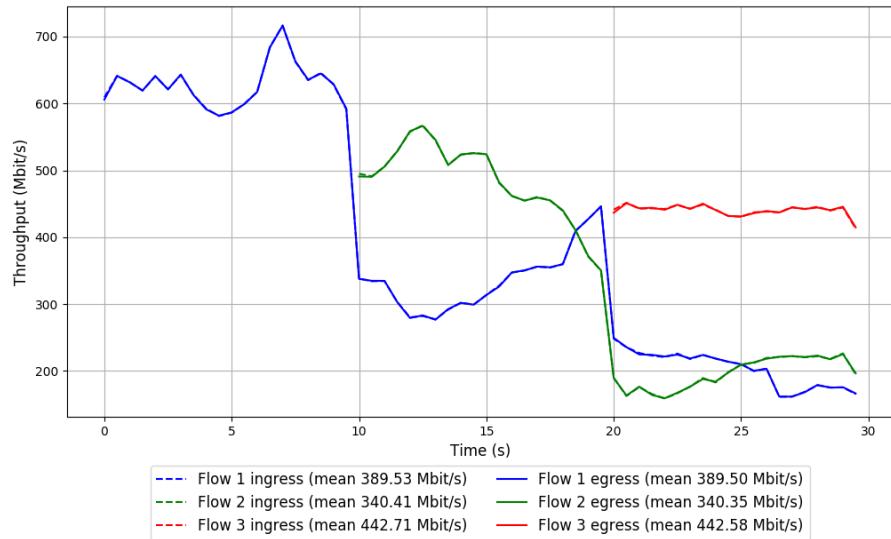


Run 8: Statistics of TCP Vegas

```
Start at: 2017-10-12 09:22:30
End at: 2017-10-12 09:23:00
Local clock offset: -0.224 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-10-12 13:54:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.03 Mbit/s
95th percentile per-packet one-way delay: 3.002 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 389.50 Mbit/s
95th percentile per-packet one-way delay: 2.985 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 340.35 Mbit/s
95th percentile per-packet one-way delay: 3.041 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 442.58 Mbit/s
95th percentile per-packet one-way delay: 2.963 ms
Loss rate: 0.02%
```

Run 8: Report of TCP Vegas — Data Link

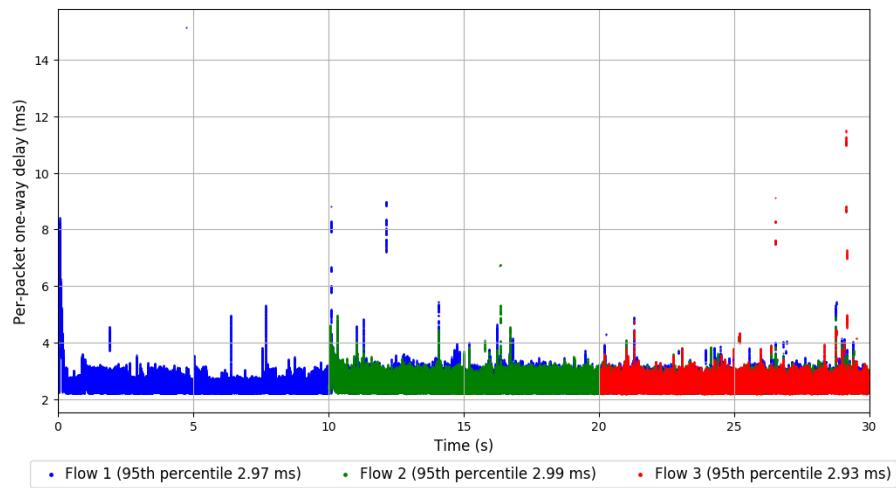
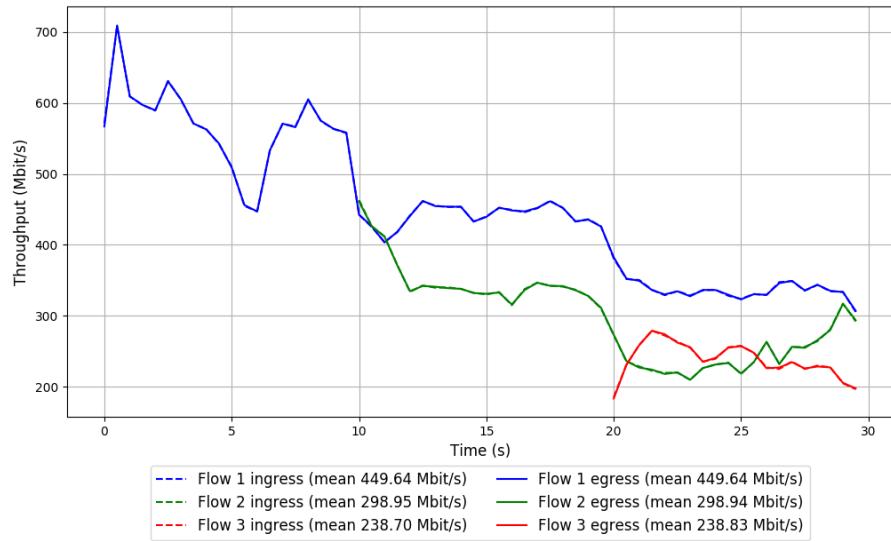


Run 9: Statistics of TCP Vegas

```
Start at: 2017-10-12 09:42:45
End at: 2017-10-12 09:43:15
Local clock offset: -0.144 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2017-10-12 14:00:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 728.01 Mbit/s
95th percentile per-packet one-way delay: 2.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 449.64 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 298.94 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 238.83 Mbit/s
95th percentile per-packet one-way delay: 2.928 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

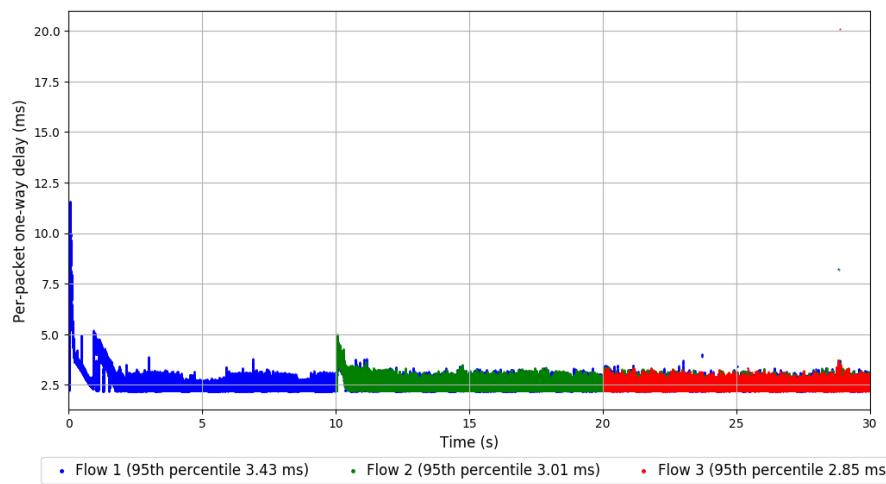
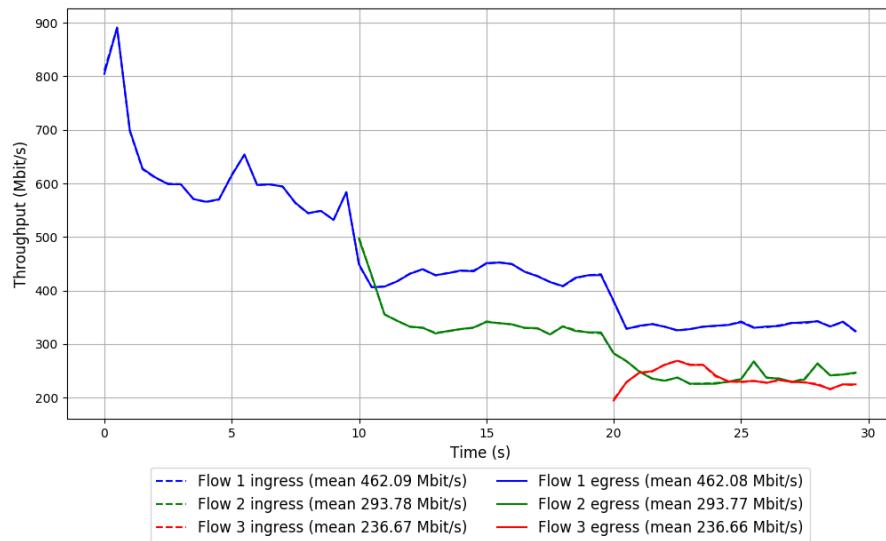


Run 10: Statistics of TCP Vegas

```
Start at: 2017-10-12 10:02:48
End at: 2017-10-12 10:03:18
Local clock offset: -0.05 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2017-10-12 14:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.30 Mbit/s
95th percentile per-packet one-way delay: 3.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 462.08 Mbit/s
95th percentile per-packet one-way delay: 3.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 293.77 Mbit/s
95th percentile per-packet one-way delay: 3.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 236.66 Mbit/s
95th percentile per-packet one-way delay: 2.855 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

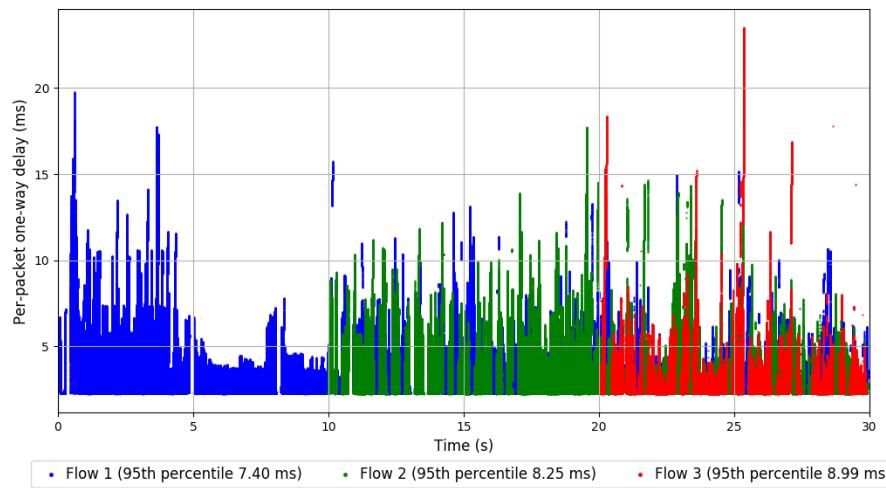
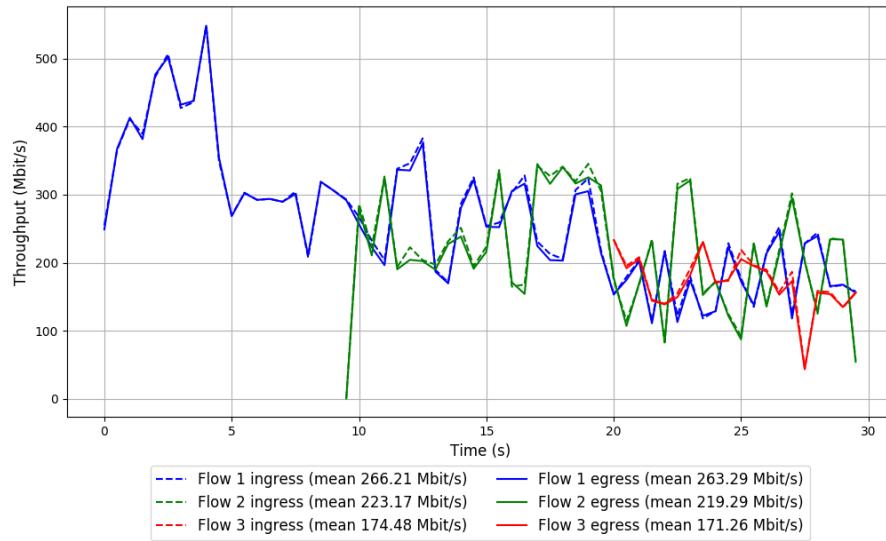


Run 1: Statistics of Verus

```
Start at: 2017-10-12 06:54:43
End at: 2017-10-12 06:55:13
Local clock offset: -0.43 ms
Remote clock offset: -0.194 ms

# Below is generated by plot.py at 2017-10-12 14:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.89 Mbit/s
95th percentile per-packet one-way delay: 7.832 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 263.29 Mbit/s
95th percentile per-packet one-way delay: 7.398 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 219.29 Mbit/s
95th percentile per-packet one-way delay: 8.252 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 171.26 Mbit/s
95th percentile per-packet one-way delay: 8.988 ms
Loss rate: 1.85%
```

Run 1: Report of Verus — Data Link

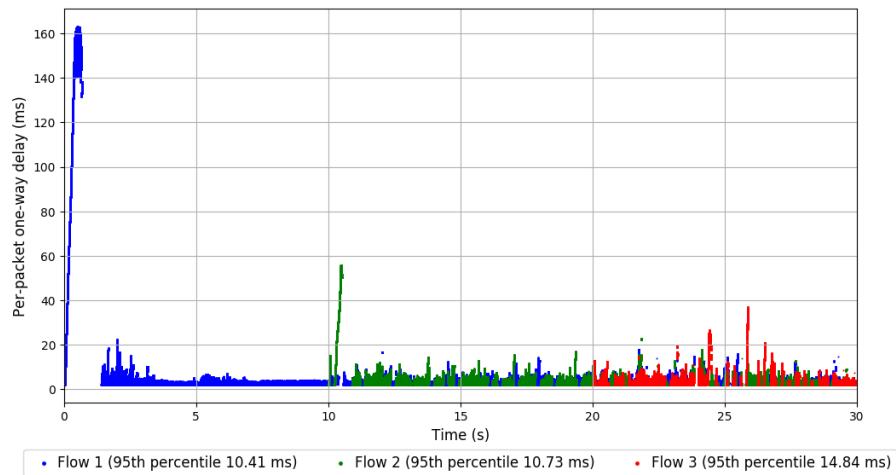
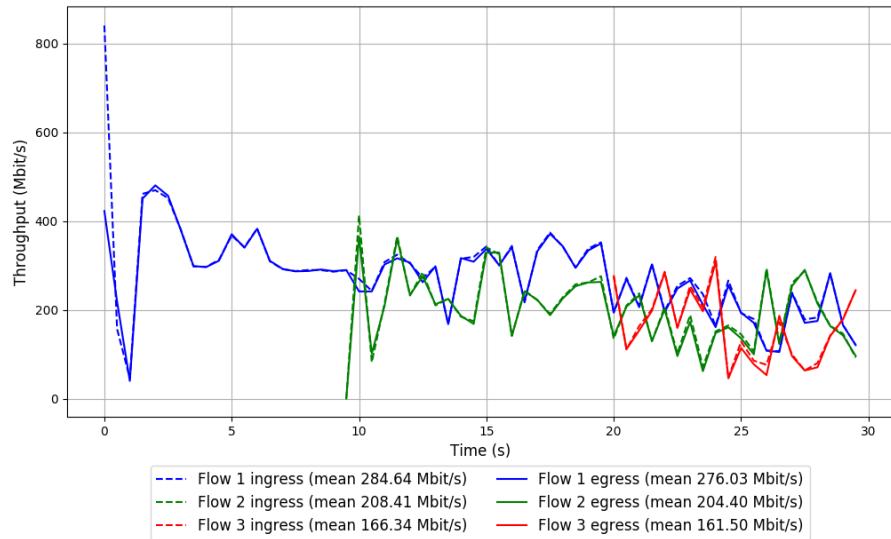


Run 2: Statistics of Verus

```
Start at: 2017-10-12 07:14:49
End at: 2017-10-12 07:15:20
Local clock offset: -0.373 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2017-10-12 14:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.76 Mbit/s
95th percentile per-packet one-way delay: 11.506 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 276.03 Mbit/s
95th percentile per-packet one-way delay: 10.406 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 204.40 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 161.50 Mbit/s
95th percentile per-packet one-way delay: 14.841 ms
Loss rate: 2.92%
```

Run 2: Report of Verus — Data Link

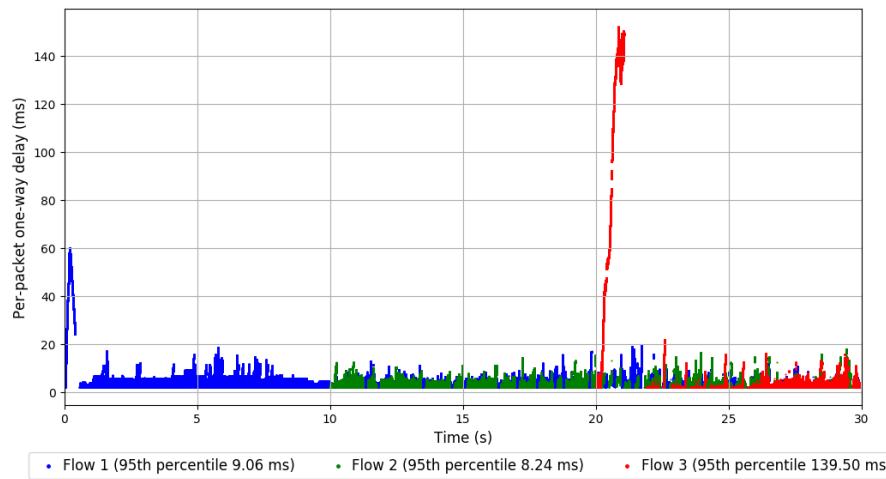
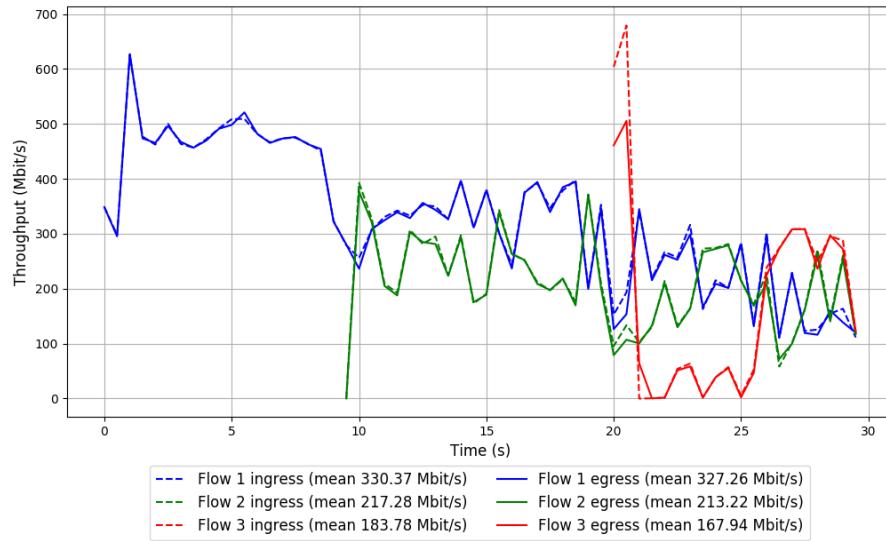


Run 3: Statistics of Verus

```
Start at: 2017-10-12 07:35:10
End at: 2017-10-12 07:35:40
Local clock offset: -0.374 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-10-12 14:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 524.90 Mbit/s
95th percentile per-packet one-way delay: 11.596 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 327.26 Mbit/s
95th percentile per-packet one-way delay: 9.062 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 213.22 Mbit/s
95th percentile per-packet one-way delay: 8.239 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 167.94 Mbit/s
95th percentile per-packet one-way delay: 139.496 ms
Loss rate: 8.62%
```

Run 3: Report of Verus — Data Link

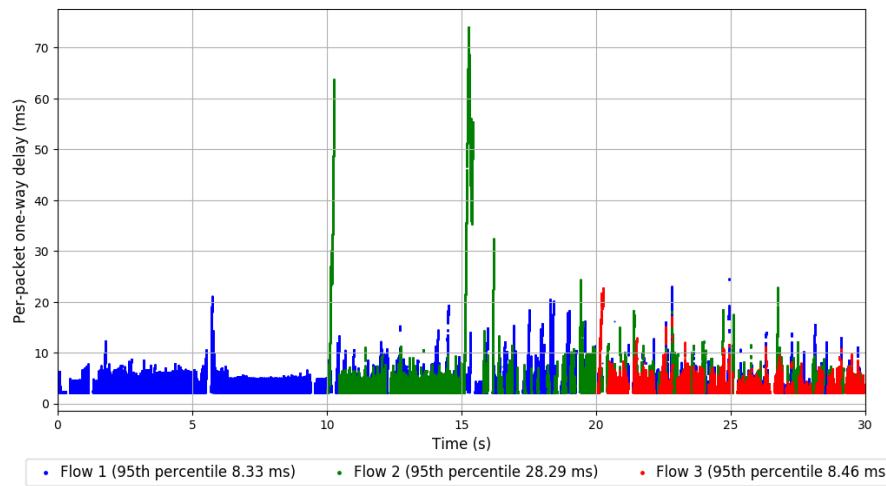
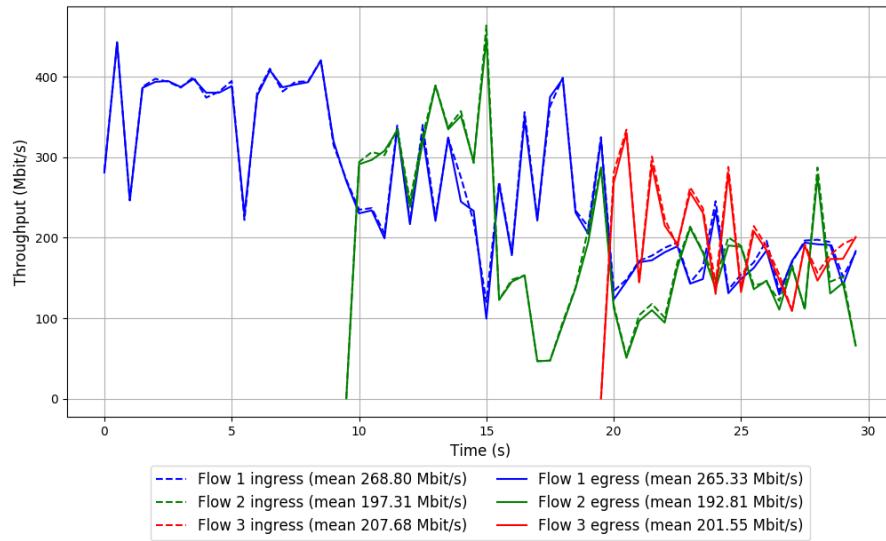


Run 4: Statistics of Verus

```
Start at: 2017-10-12 07:55:32
End at: 2017-10-12 07:56:02
Local clock offset: -0.369 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2017-10-12 14:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.09 Mbit/s
95th percentile per-packet one-way delay: 10.131 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 265.33 Mbit/s
95th percentile per-packet one-way delay: 8.326 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 192.81 Mbit/s
95th percentile per-packet one-way delay: 28.288 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 201.55 Mbit/s
95th percentile per-packet one-way delay: 8.457 ms
Loss rate: 2.96%
```

Run 4: Report of Verus — Data Link

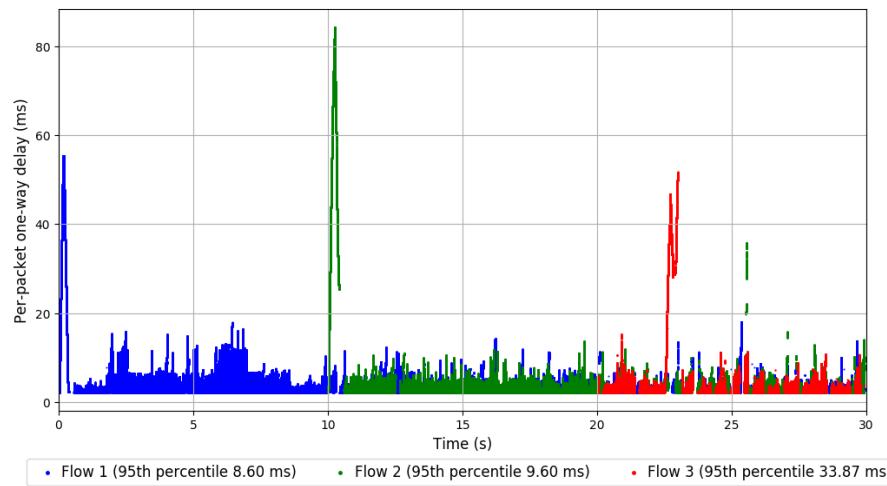
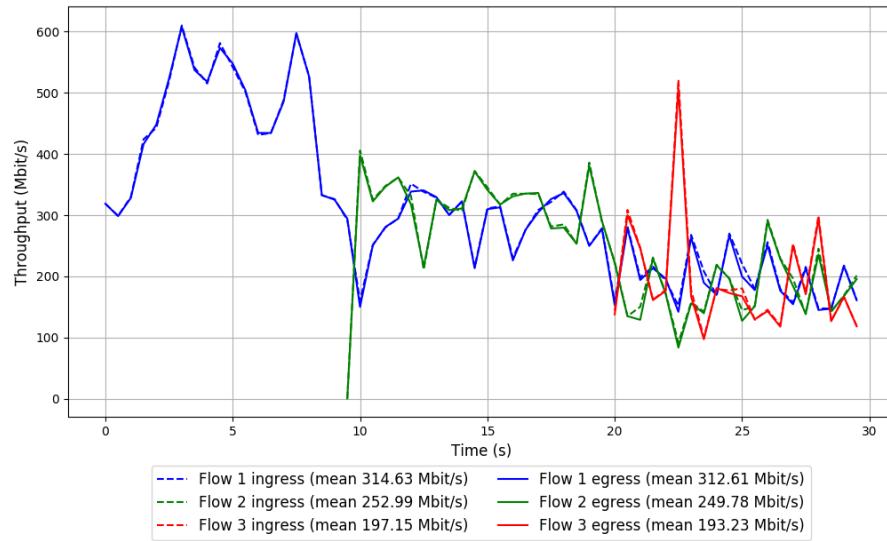


Run 5: Statistics of Verus

```
Start at: 2017-10-12 08:15:40
End at: 2017-10-12 08:16:10
Local clock offset: -0.331 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2017-10-12 14:02:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 543.06 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 312.61 Mbit/s
95th percentile per-packet one-way delay: 8.603 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 249.78 Mbit/s
95th percentile per-packet one-way delay: 9.595 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 193.23 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 1.97%
```

Run 5: Report of Verus — Data Link

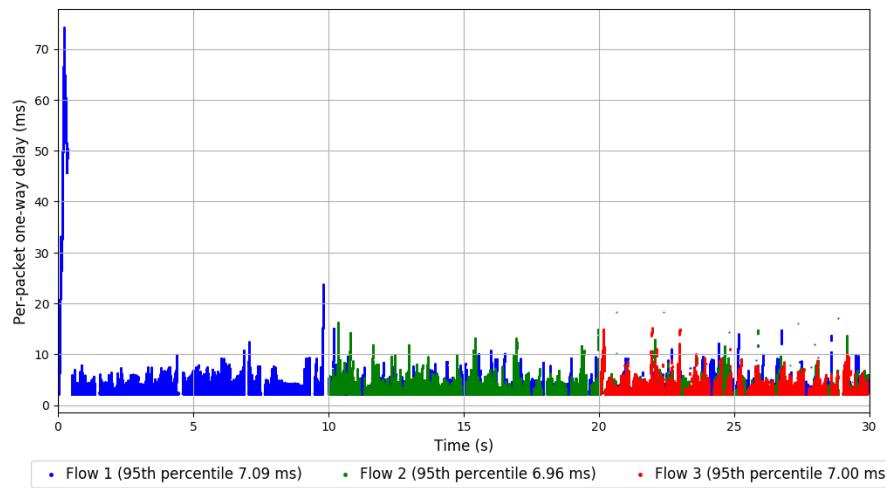
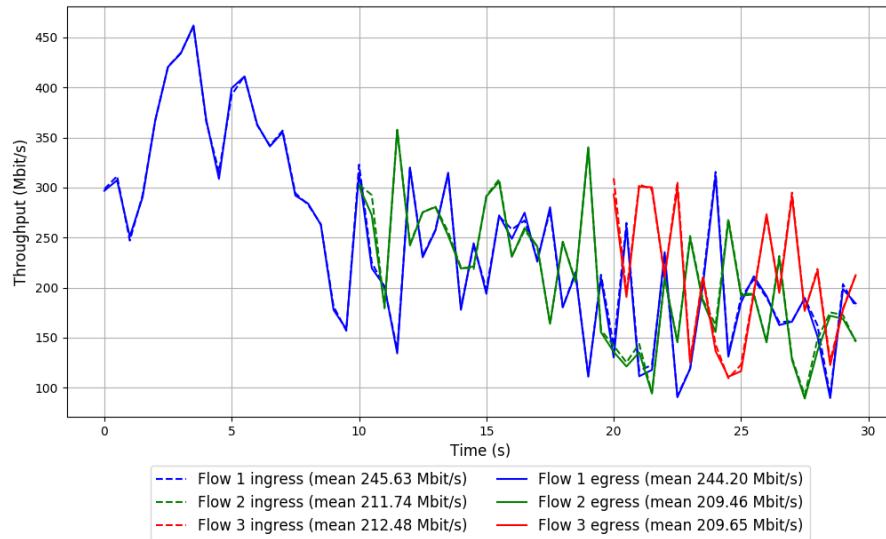


Run 6: Statistics of Verus

```
Start at: 2017-10-12 08:36:07
End at: 2017-10-12 08:36:37
Local clock offset: -0.272 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2017-10-12 14:02:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.99 Mbit/s
95th percentile per-packet one-way delay: 7.038 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 244.20 Mbit/s
95th percentile per-packet one-way delay: 7.095 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 209.46 Mbit/s
95th percentile per-packet one-way delay: 6.962 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 209.65 Mbit/s
95th percentile per-packet one-way delay: 6.998 ms
Loss rate: 1.33%
```

Run 6: Report of Verus — Data Link

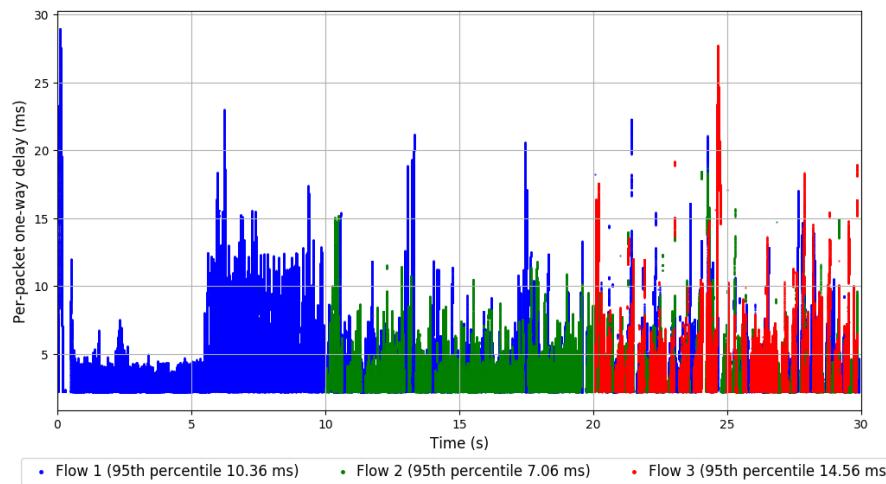
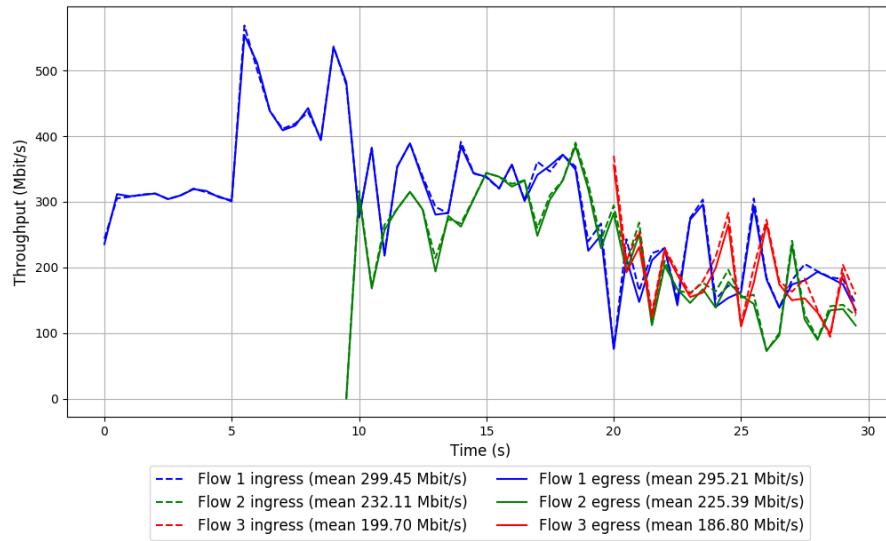


Run 7: Statistics of Verus

```
Start at: 2017-10-12 08:56:17
End at: 2017-10-12 08:56:47
Local clock offset: -0.217 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2017-10-12 14:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 506.28 Mbit/s
95th percentile per-packet one-way delay: 9.770 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 295.21 Mbit/s
95th percentile per-packet one-way delay: 10.356 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 225.39 Mbit/s
95th percentile per-packet one-way delay: 7.061 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 186.80 Mbit/s
95th percentile per-packet one-way delay: 14.564 ms
Loss rate: 6.35%
```

Run 7: Report of Verus — Data Link

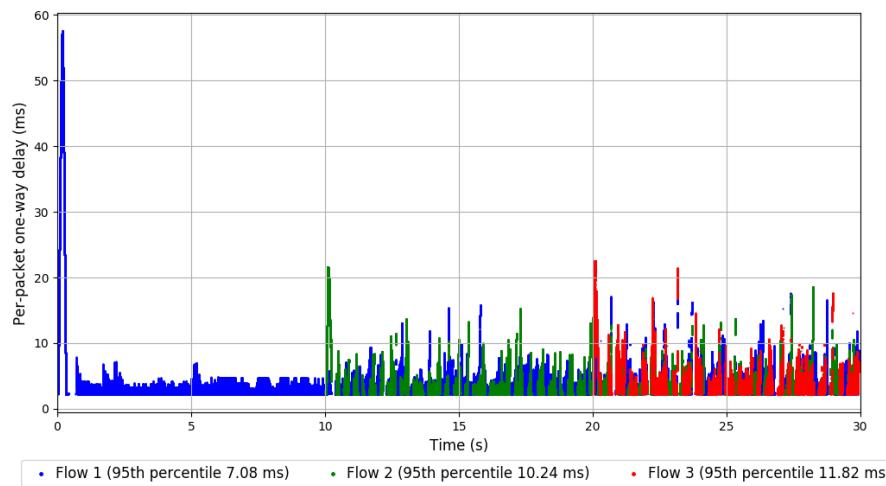
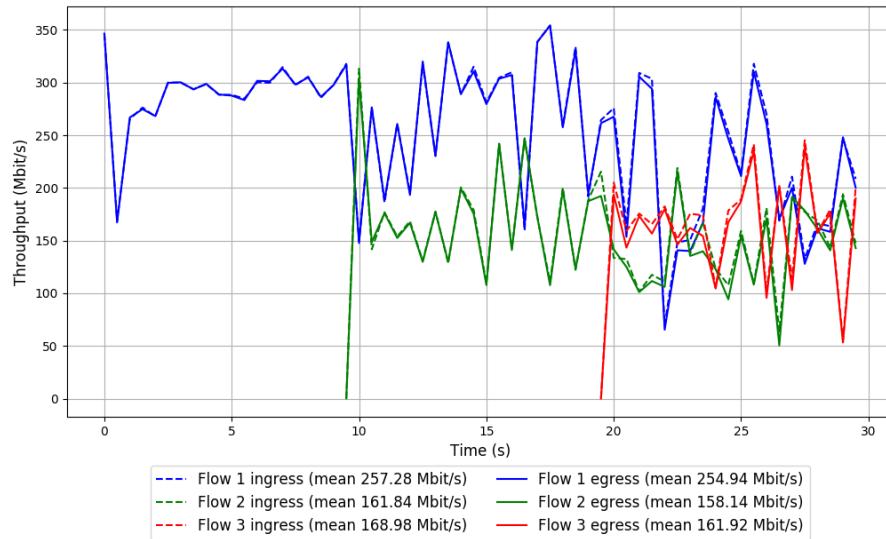


Run 8: Statistics of Verus

```
Start at: 2017-10-12 09:16:38
End at: 2017-10-12 09:17:08
Local clock offset: -0.167 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2017-10-12 14:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 413.32 Mbit/s
95th percentile per-packet one-way delay: 8.794 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 254.94 Mbit/s
95th percentile per-packet one-way delay: 7.080 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 158.14 Mbit/s
95th percentile per-packet one-way delay: 10.245 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 161.92 Mbit/s
95th percentile per-packet one-way delay: 11.823 ms
Loss rate: 4.18%
```

Run 8: Report of Verus — Data Link

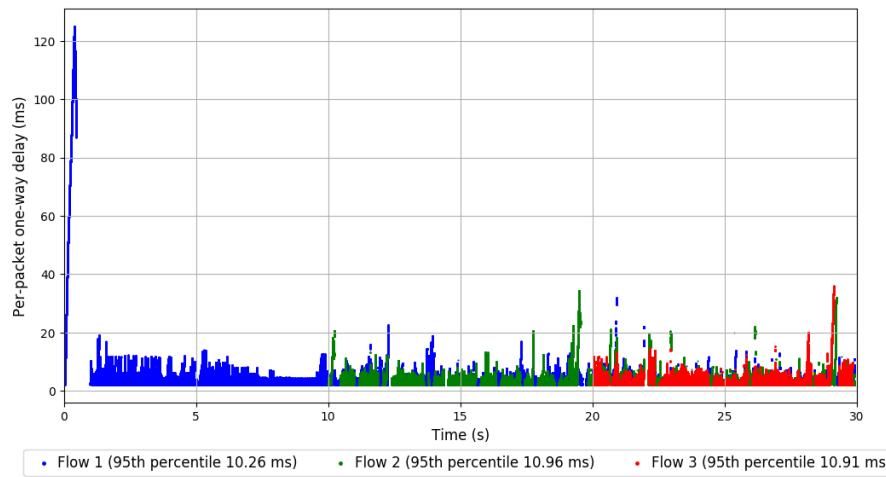
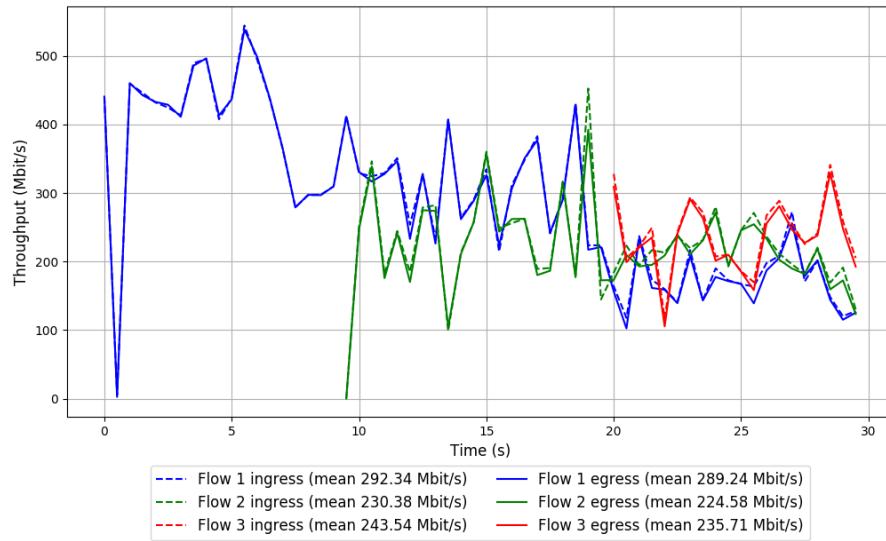


Run 9: Statistics of Verus

```
Start at: 2017-10-12 09:36:50
End at: 2017-10-12 09:37:20
Local clock offset: -0.112 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2017-10-12 14:07:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 516.38 Mbit/s
95th percentile per-packet one-way delay: 10.476 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 289.24 Mbit/s
95th percentile per-packet one-way delay: 10.262 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 224.58 Mbit/s
95th percentile per-packet one-way delay: 10.961 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 235.71 Mbit/s
95th percentile per-packet one-way delay: 10.908 ms
Loss rate: 3.14%
```

Run 9: Report of Verus — Data Link

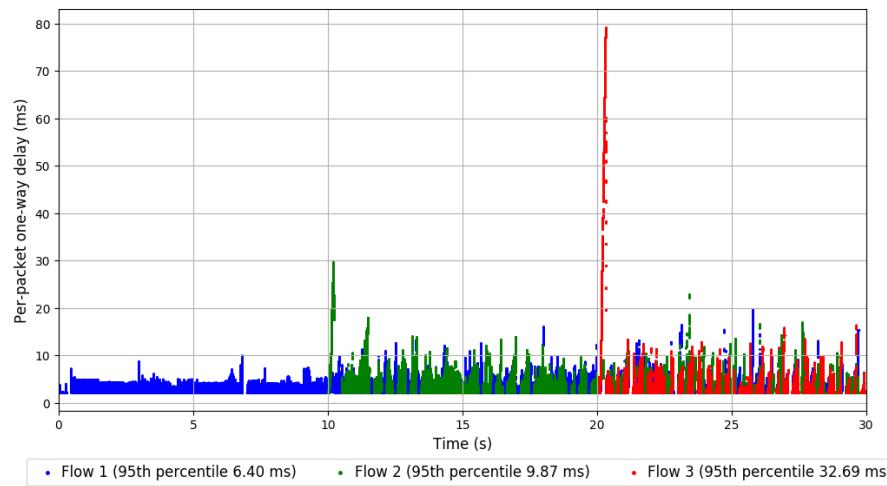
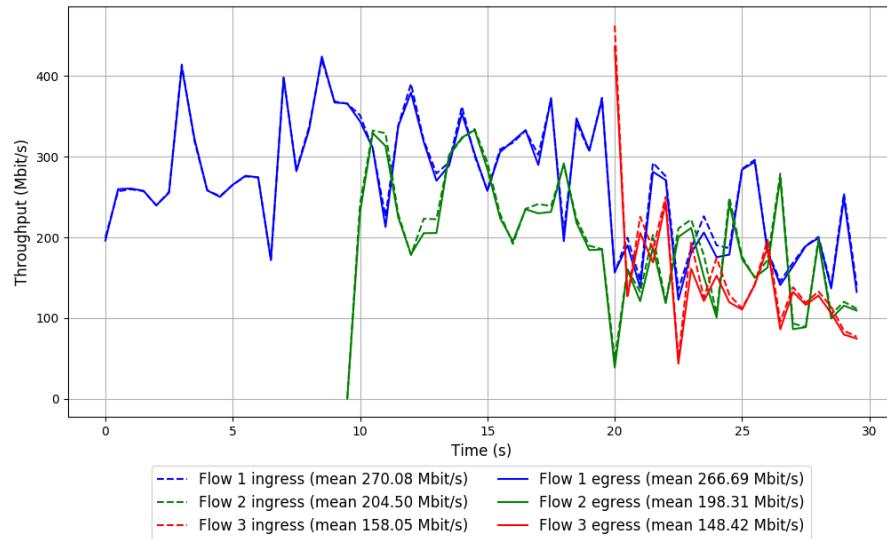


Run 10: Statistics of Verus

```
Start at: 2017-10-12 09:56:57
End at: 2017-10-12 09:57:27
Local clock offset: -0.047 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2017-10-12 14:07:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.96 Mbit/s
95th percentile per-packet one-way delay: 8.436 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 266.69 Mbit/s
95th percentile per-packet one-way delay: 6.400 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 198.31 Mbit/s
95th percentile per-packet one-way delay: 9.868 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 148.42 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 6.10%
```

Run 10: Report of Verus — Data Link

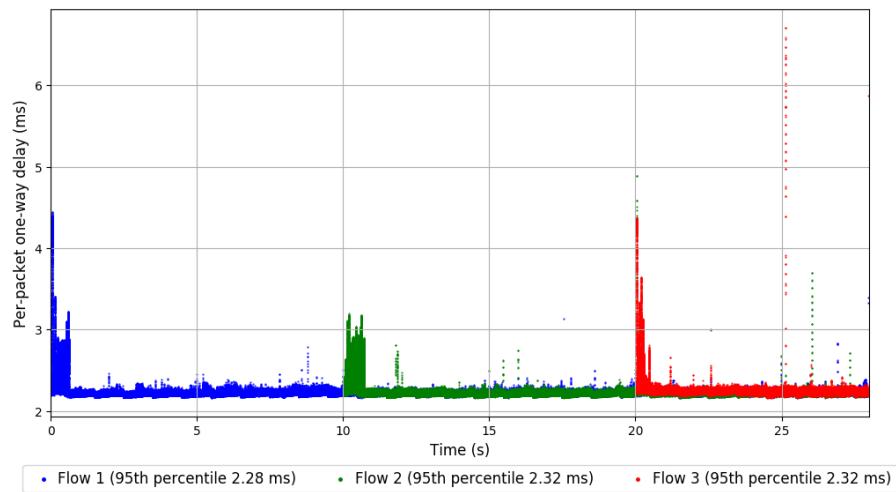
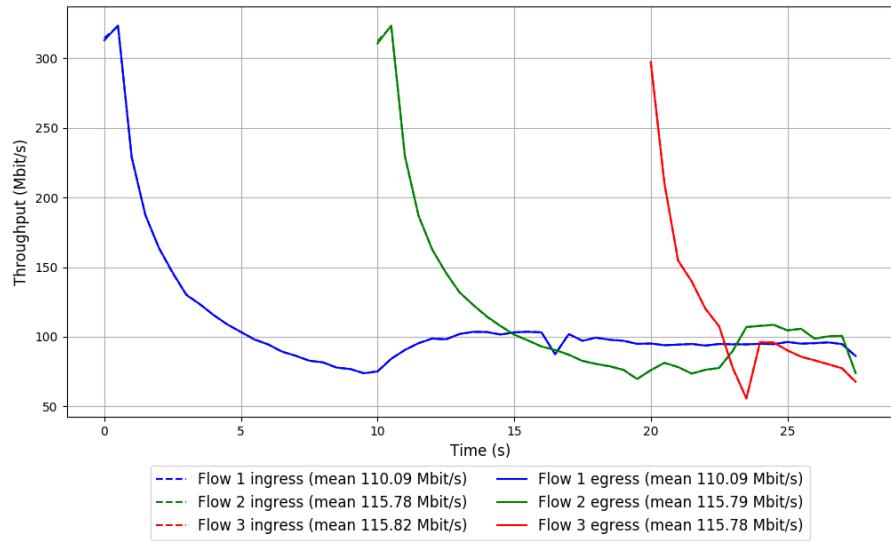


Run 1: Statistics of Copa

```
Start at: 2017-10-12 07:05:09
End at: 2017-10-12 07:05:39
Local clock offset: -0.379 ms
Remote clock offset: -0.26 ms

# Below is generated by plot.py at 2017-10-12 14:07:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.29 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.09 Mbit/s
95th percentile per-packet one-way delay: 2.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.79 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.78 Mbit/s
95th percentile per-packet one-way delay: 2.316 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

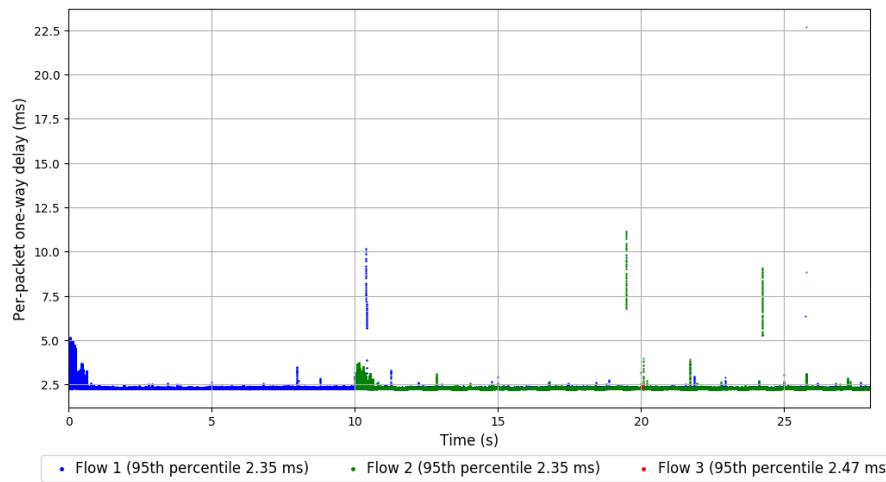
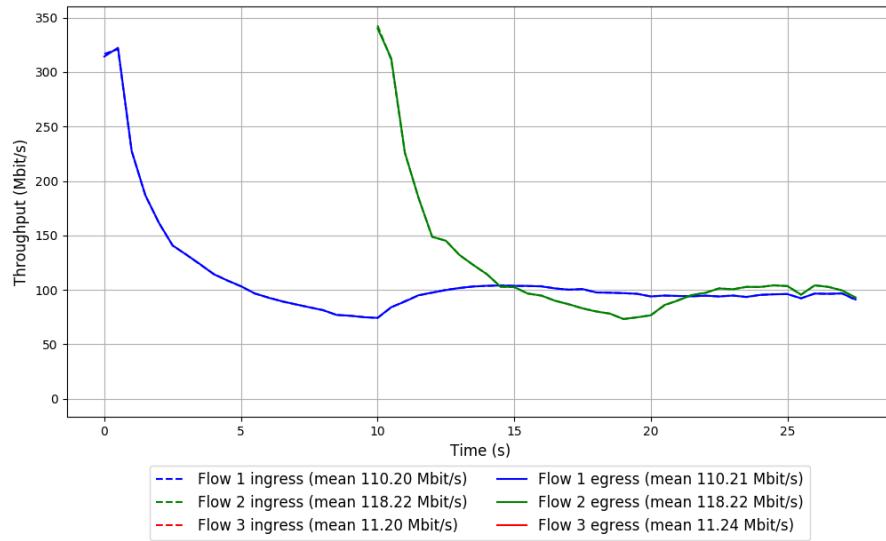


Run 2: Statistics of Copa

```
Start at: 2017-10-12 07:25:22
End at: 2017-10-12 07:25:52
Local clock offset: -0.448 ms
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2017-10-12 14:07:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 186.12 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.21 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.22 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

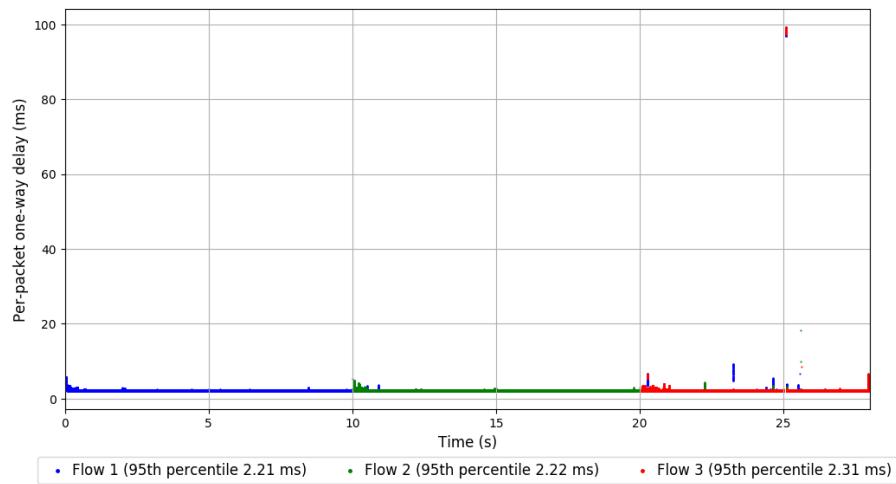
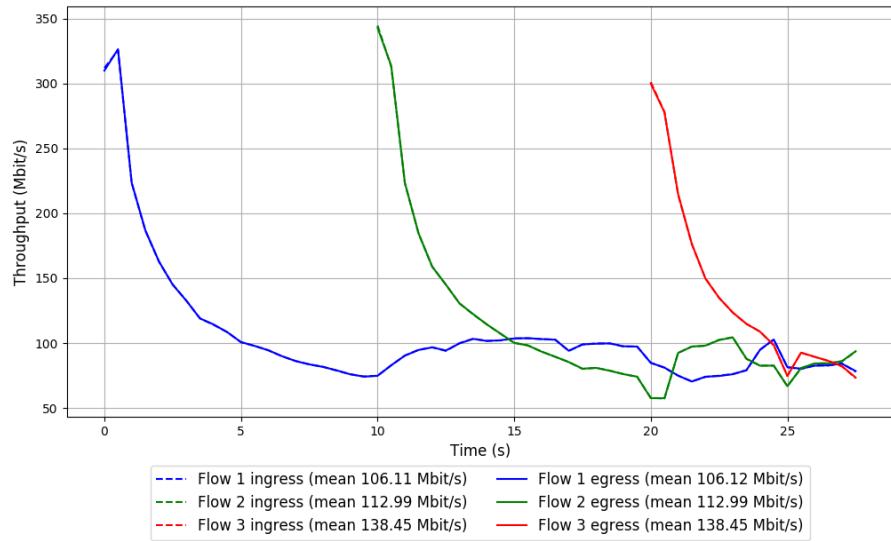


Run 3: Statistics of Copa

```
Start at: 2017-10-12 07:45:47
End at: 2017-10-12 07:46:17
Local clock offset: -0.375 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2017-10-12 14:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.97 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.12 Mbit/s
95th percentile per-packet one-way delay: 2.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.99 Mbit/s
95th percentile per-packet one-way delay: 2.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.45 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

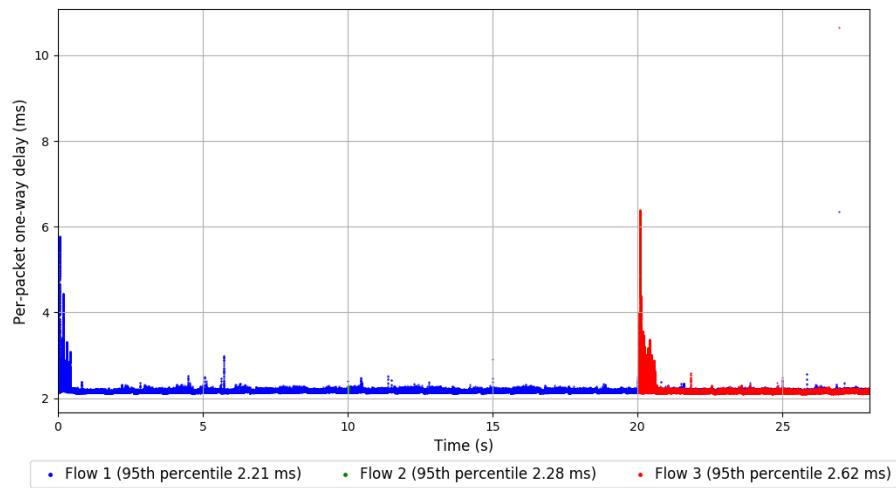
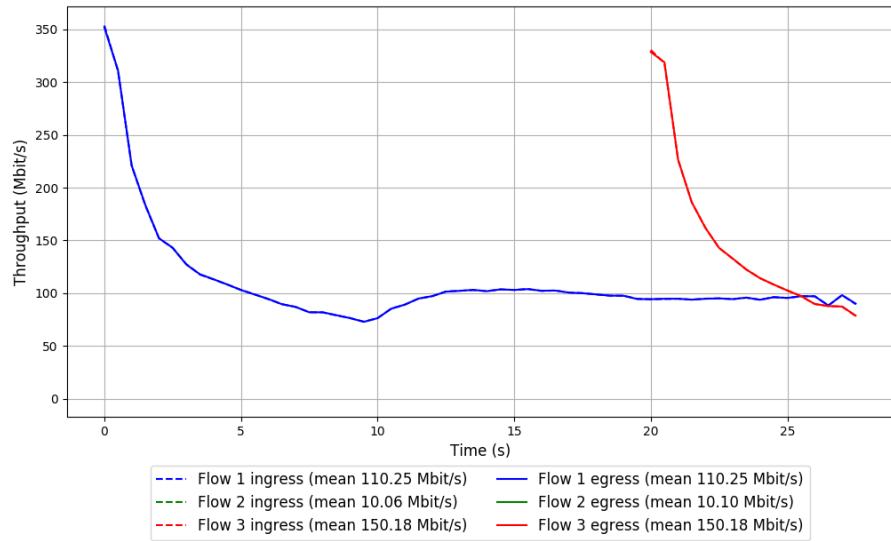


Run 4: Statistics of Copa

```
Start at: 2017-10-12 08:05:59
End at: 2017-10-12 08:06:29
Local clock offset: -0.371 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2017-10-12 14:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 152.93 Mbit/s
95th percentile per-packet one-way delay: 2.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.25 Mbit/s
95th percentile per-packet one-way delay: 2.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 2.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 150.18 Mbit/s
95th percentile per-packet one-way delay: 2.621 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

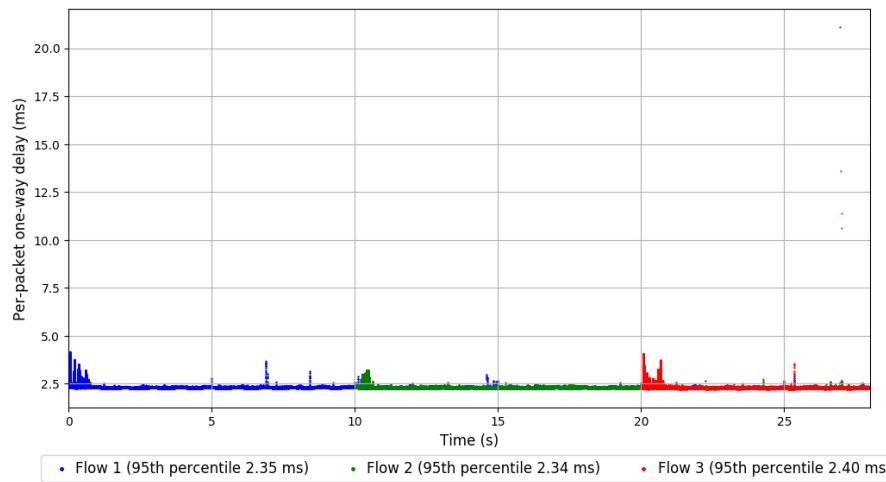
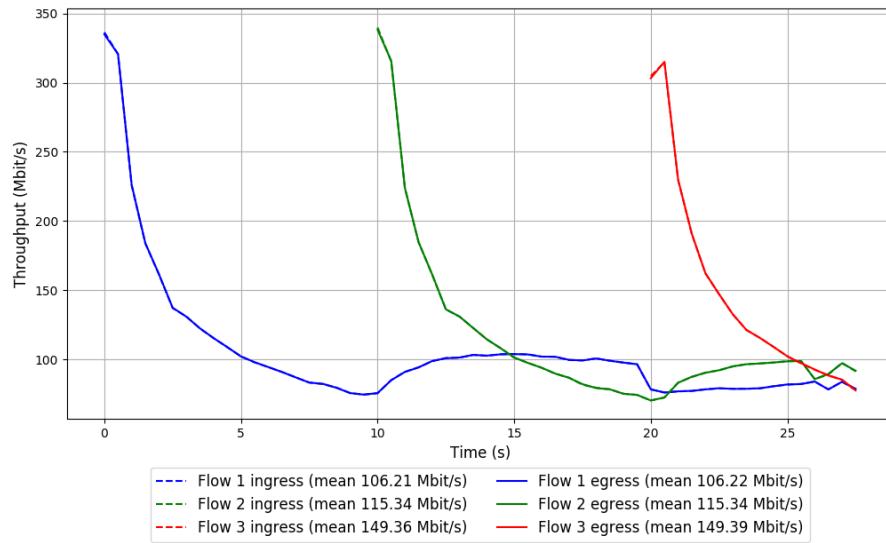


Run 5: Statistics of Copa

```
Start at: 2017-10-12 08:26:19
End at: 2017-10-12 08:26:49
Local clock offset: -0.382 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2017-10-12 14:10:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.22 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.34 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.39 Mbit/s
95th percentile per-packet one-way delay: 2.401 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

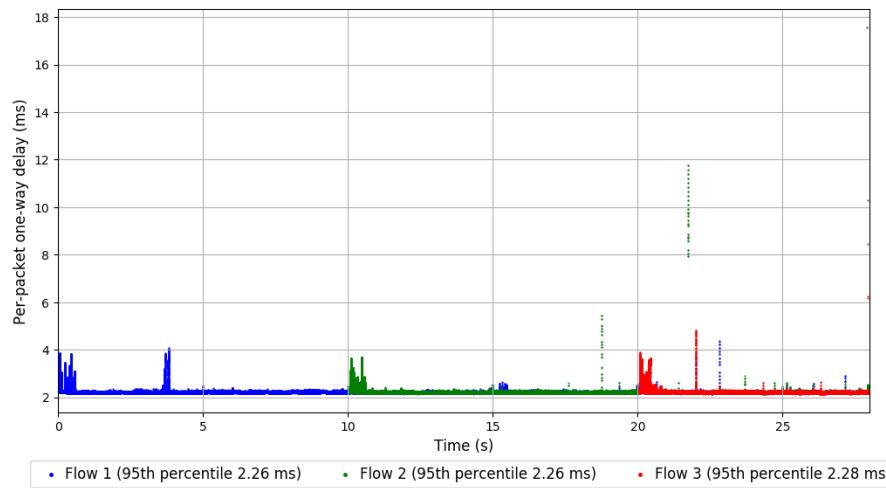
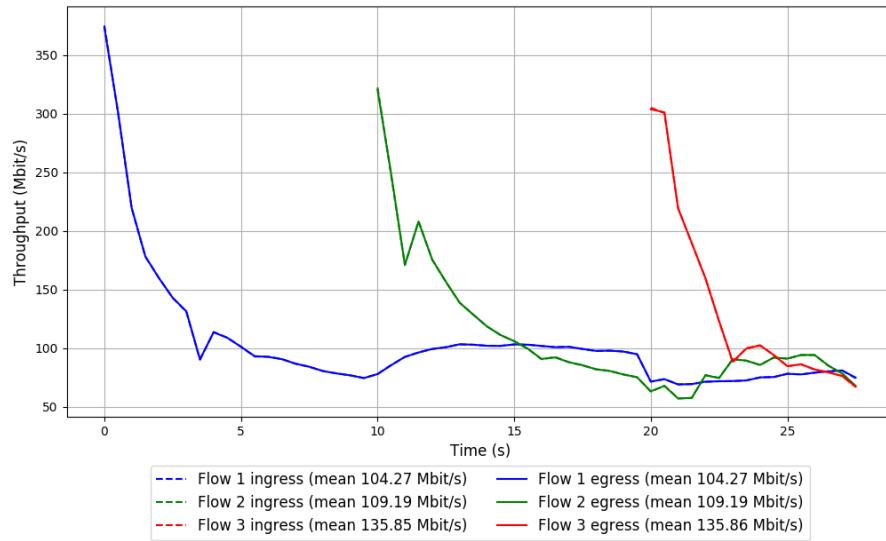


Run 6: Statistics of Copa

```
Start at: 2017-10-12 08:46:31
End at: 2017-10-12 08:47:01
Local clock offset: -0.235 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2017-10-12 14:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.94 Mbit/s
95th percentile per-packet one-way delay: 2.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.27 Mbit/s
95th percentile per-packet one-way delay: 2.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.19 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.86 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

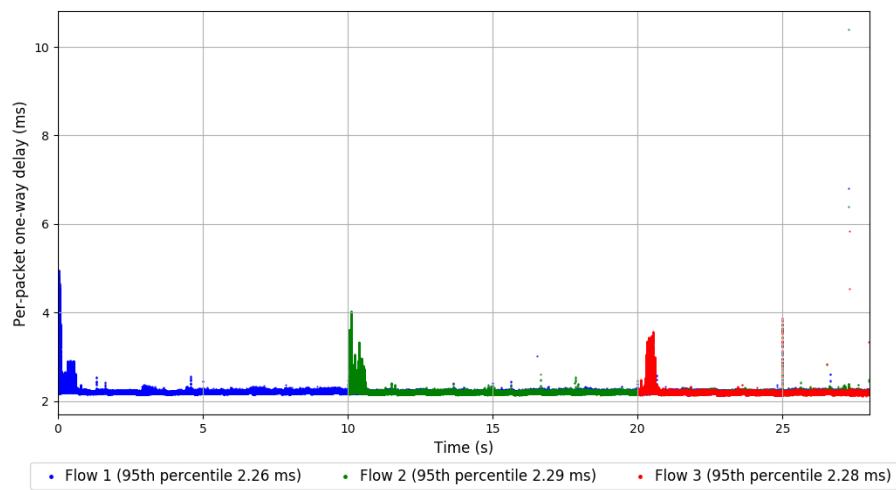
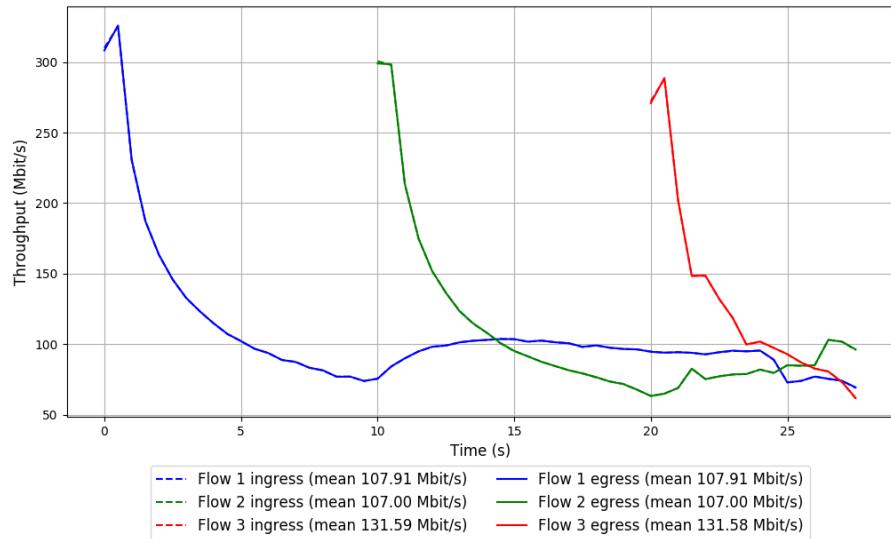


Run 7: Statistics of Copa

```
Start at: 2017-10-12 09:06:49
End at: 2017-10-12 09:07:19
Local clock offset: -0.164 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2017-10-12 14:12:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 2.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.91 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.00 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 2.279 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

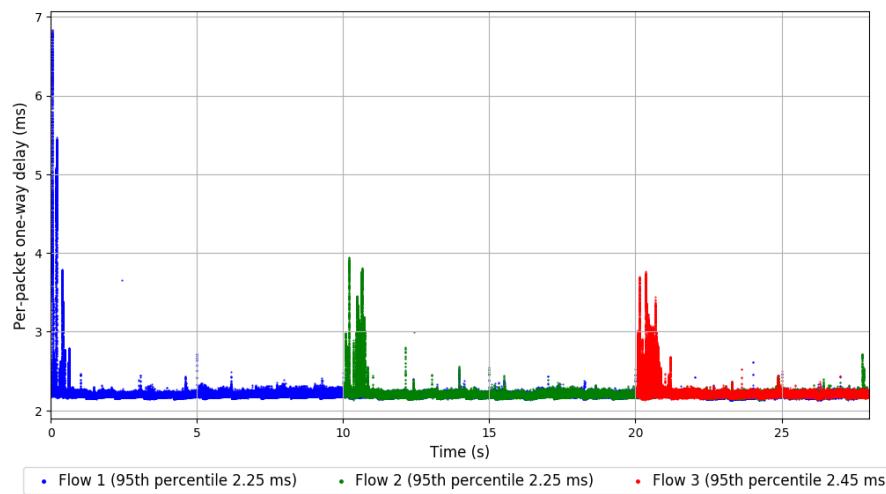
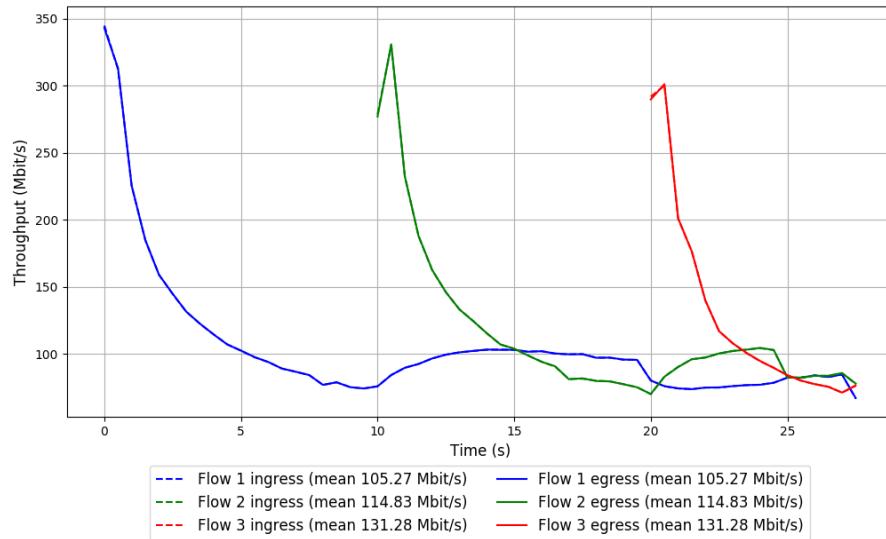


Run 8: Statistics of Copa

```
Start at: 2017-10-12 09:27:05
End at: 2017-10-12 09:27:35
Local clock offset: -0.115 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 14:12:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 216.22 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.27 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.83 Mbit/s
95th percentile per-packet one-way delay: 2.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.28 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

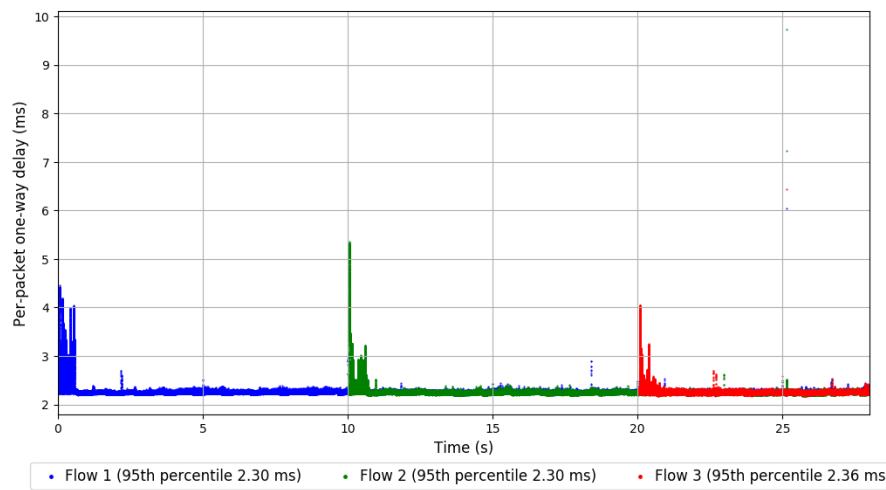
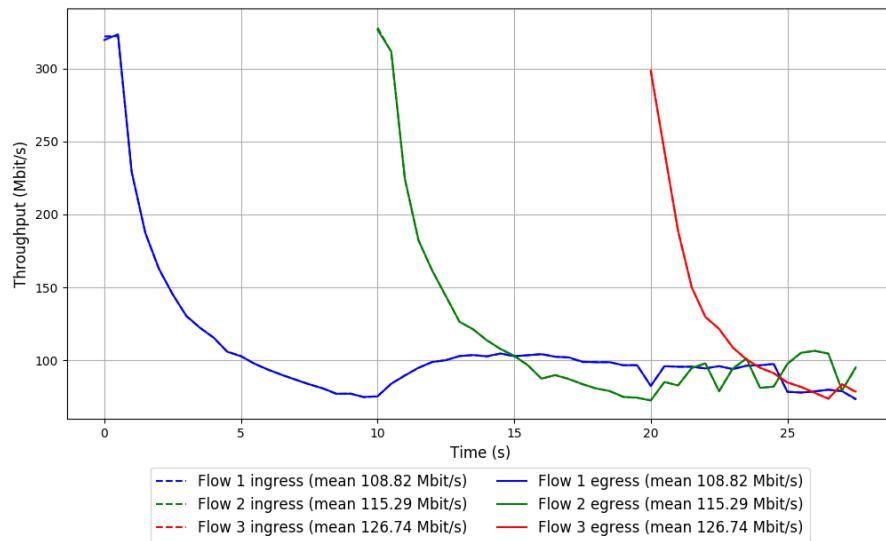


Run 9: Statistics of Copa

```
Start at: 2017-10-12 09:47:17
End at: 2017-10-12 09:47:47
Local clock offset: -0.1 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2017-10-12 14:12:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.77 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.82 Mbit/s
95th percentile per-packet one-way delay: 2.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.29 Mbit/s
95th percentile per-packet one-way delay: 2.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.74 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

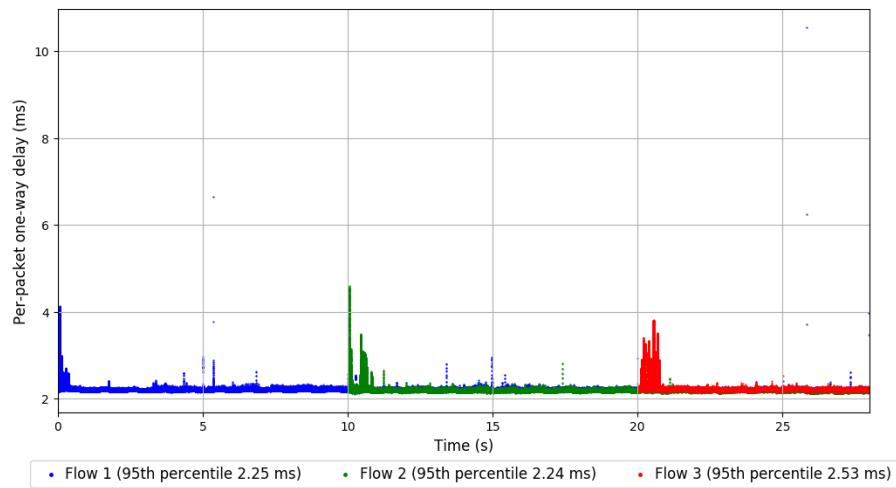
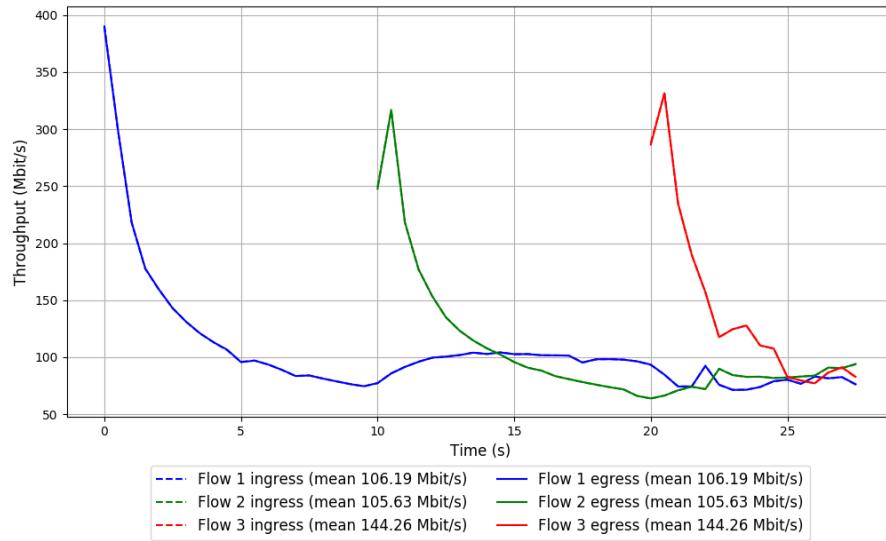


Run 10: Statistics of Copa

```
Start at: 2017-10-12 10:07:20
End at: 2017-10-12 10:07:50
Local clock offset: -0.016 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2017-10-12 14:12:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.89 Mbit/s
95th percentile per-packet one-way delay: 2.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.19 Mbit/s
95th percentile per-packet one-way delay: 2.254 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.63 Mbit/s
95th percentile per-packet one-way delay: 2.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.26 Mbit/s
95th percentile per-packet one-way delay: 2.526 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

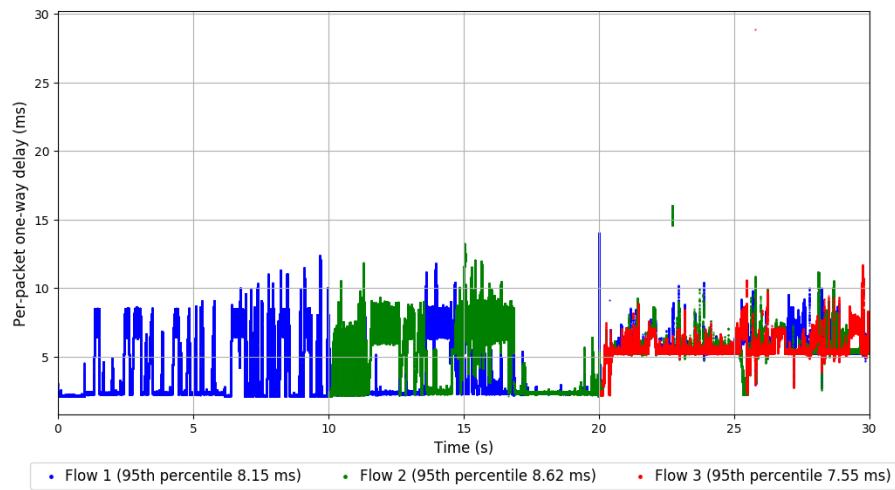
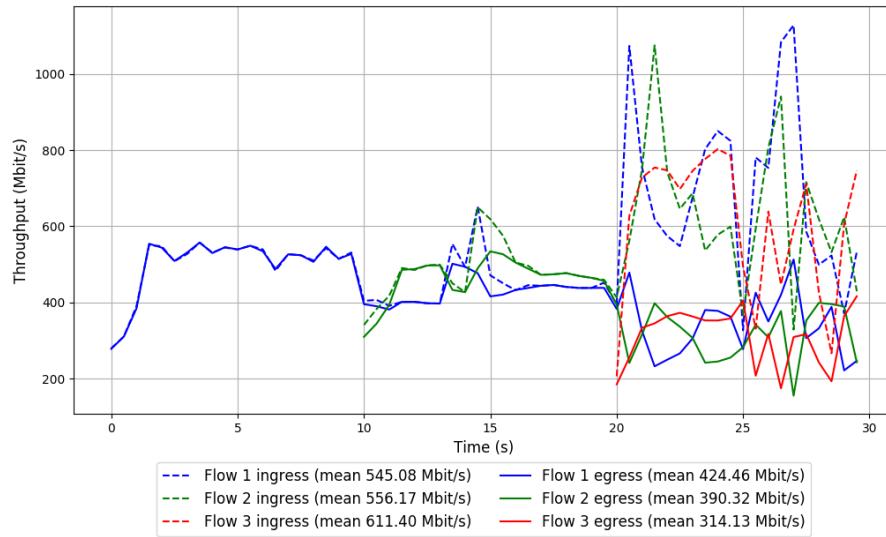


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-10-12 07:02:13
End at: 2017-10-12 07:02:43
Local clock offset: -0.368 ms
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2017-10-12 14:19:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.32 Mbit/s
95th percentile per-packet one-way delay: 8.258 ms
Loss rate: 29.50%
-- Flow 1:
Average throughput: 424.46 Mbit/s
95th percentile per-packet one-way delay: 8.152 ms
Loss rate: 22.15%
-- Flow 2:
Average throughput: 390.32 Mbit/s
95th percentile per-packet one-way delay: 8.615 ms
Loss rate: 29.85%
-- Flow 3:
Average throughput: 314.13 Mbit/s
95th percentile per-packet one-way delay: 7.546 ms
Loss rate: 48.66%
```

Run 1: Report of CalibratedKoho — Data Link

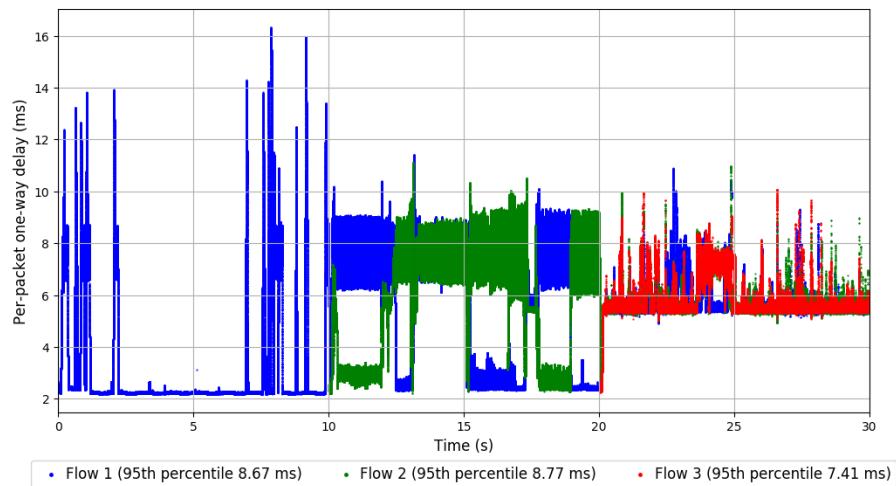
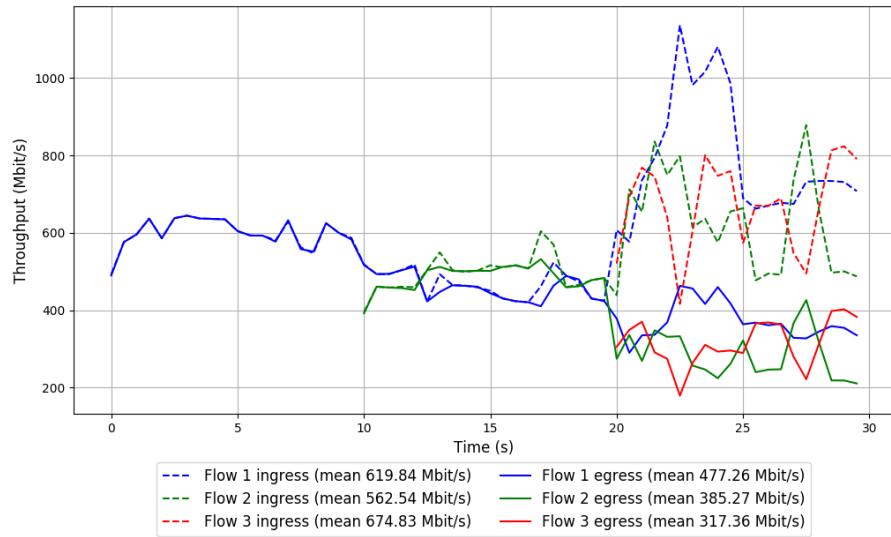


Run 2: Statistics of CalibratedKoho

```
Start at: 2017-10-12 07:22:23
End at: 2017-10-12 07:22:53
Local clock offset: -0.384 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2017-10-12 14:20:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 839.24 Mbit/s
95th percentile per-packet one-way delay: 8.653 ms
Loss rate: 31.12%
-- Flow 1:
Average throughput: 477.26 Mbit/s
95th percentile per-packet one-way delay: 8.670 ms
Loss rate: 23.00%
-- Flow 2:
Average throughput: 385.27 Mbit/s
95th percentile per-packet one-way delay: 8.774 ms
Loss rate: 31.50%
-- Flow 3:
Average throughput: 317.36 Mbit/s
95th percentile per-packet one-way delay: 7.412 ms
Loss rate: 52.96%
```

Run 2: Report of CalibratedKoho — Data Link

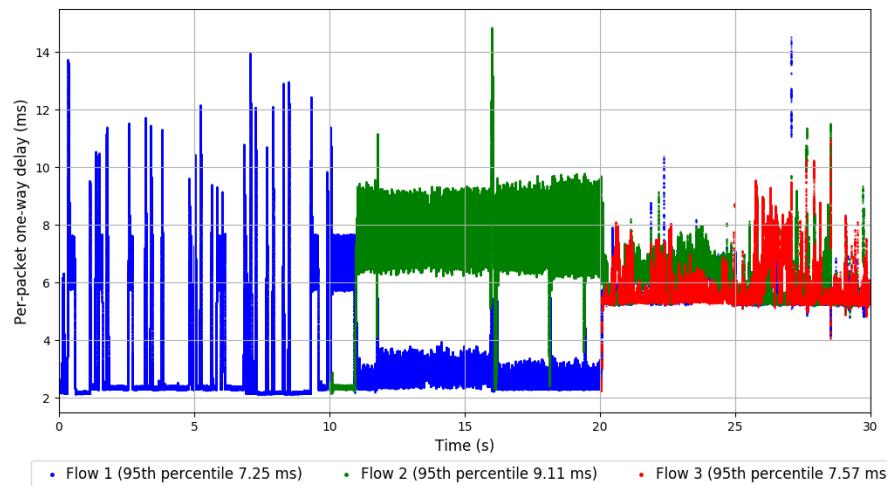
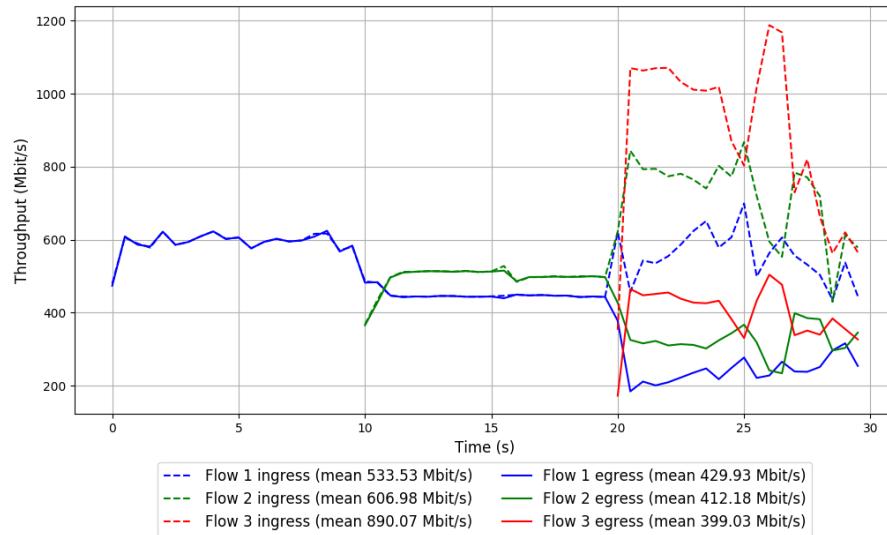


Run 3: Statistics of CalibratedKoho

```
Start at: 2017-10-12 07:42:48
End at: 2017-10-12 07:43:18
Local clock offset: -0.384 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2017-10-12 14:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 836.93 Mbit/s
95th percentile per-packet one-way delay: 8.736 ms
Loss rate: 32.13%
-- Flow 1:
Average throughput: 429.93 Mbit/s
95th percentile per-packet one-way delay: 7.245 ms
Loss rate: 19.41%
-- Flow 2:
Average throughput: 412.18 Mbit/s
95th percentile per-packet one-way delay: 9.105 ms
Loss rate: 32.08%
-- Flow 3:
Average throughput: 399.03 Mbit/s
95th percentile per-packet one-way delay: 7.574 ms
Loss rate: 55.16%
```

Run 3: Report of CalibratedKoho — Data Link

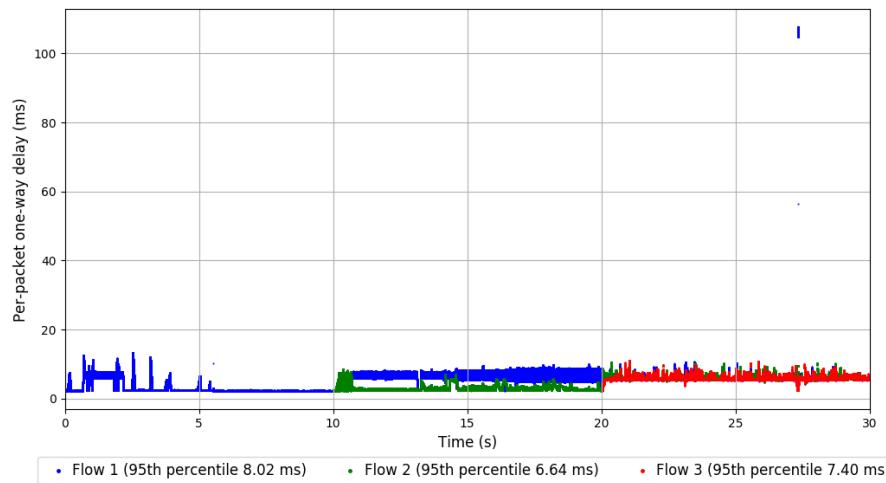
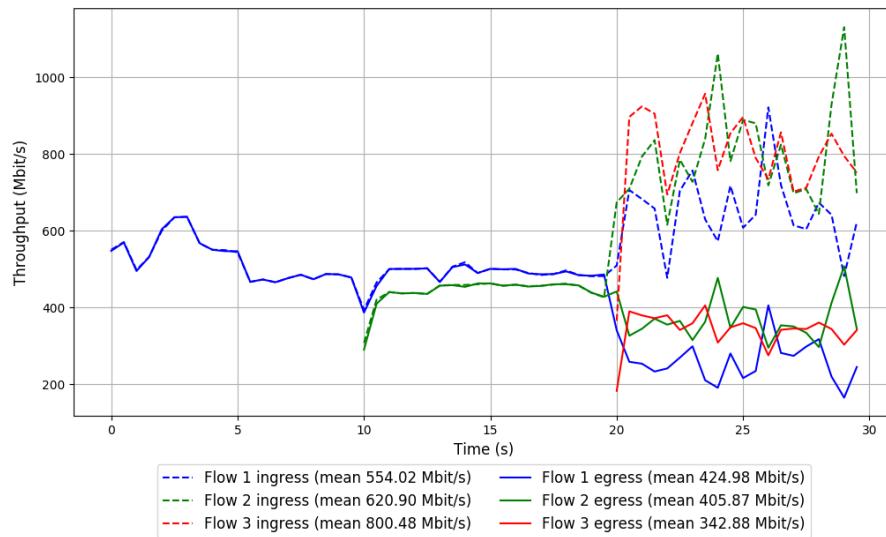


Run 4: Statistics of CalibratedKoho

```
Start at: 2017-10-12 08:03:01
End at: 2017-10-12 08:03:31
Local clock offset: -0.373 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2017-10-12 14:24:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 809.10 Mbit/s
95th percentile per-packet one-way delay: 7.702 ms
Loss rate: 34.38%
-- Flow 1:
Average throughput: 424.98 Mbit/s
95th percentile per-packet one-way delay: 8.015 ms
Loss rate: 23.28%
-- Flow 2:
Average throughput: 405.87 Mbit/s
95th percentile per-packet one-way delay: 6.643 ms
Loss rate: 34.62%
-- Flow 3:
Average throughput: 342.88 Mbit/s
95th percentile per-packet one-way delay: 7.396 ms
Loss rate: 57.15%
```

Run 4: Report of CalibratedKoho — Data Link

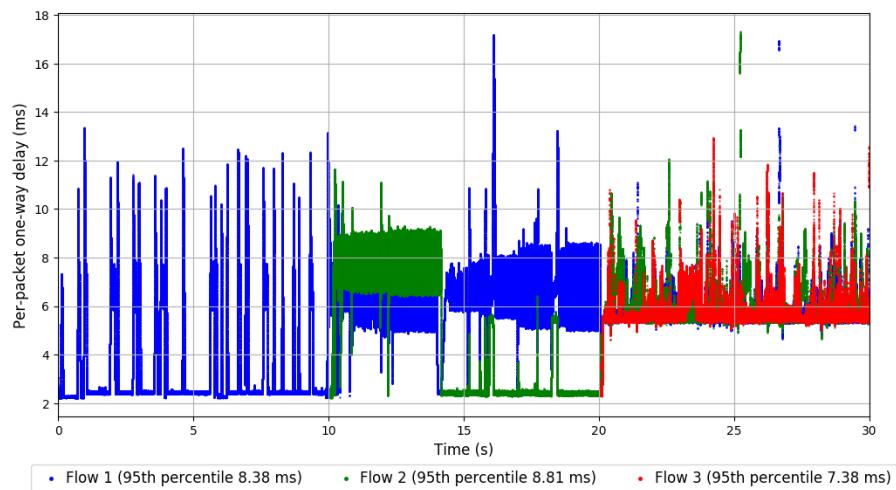
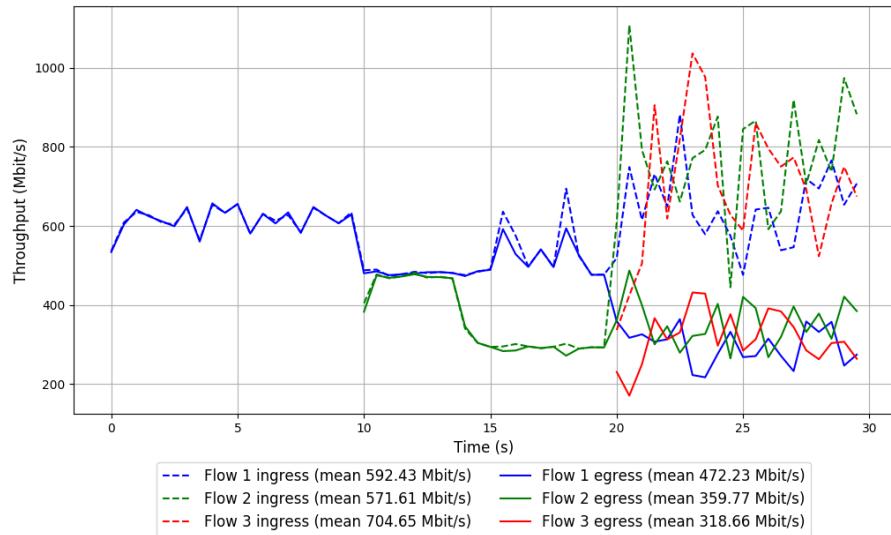


Run 5: Statistics of CalibratedKoho

```
Start at: 2017-10-12 08:23:20
End at: 2017-10-12 08:23:50
Local clock offset: -0.346 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2017-10-12 14:25:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 817.45 Mbit/s
95th percentile per-packet one-way delay: 8.502 ms
Loss rate: 32.25%
-- Flow 1:
Average throughput: 472.23 Mbit/s
95th percentile per-packet one-way delay: 8.379 ms
Loss rate: 20.28%
-- Flow 2:
Average throughput: 359.77 Mbit/s
95th percentile per-packet one-way delay: 8.808 ms
Loss rate: 37.05%
-- Flow 3:
Average throughput: 318.66 Mbit/s
95th percentile per-packet one-way delay: 7.379 ms
Loss rate: 54.77%
```

Run 5: Report of CalibratedKoho — Data Link

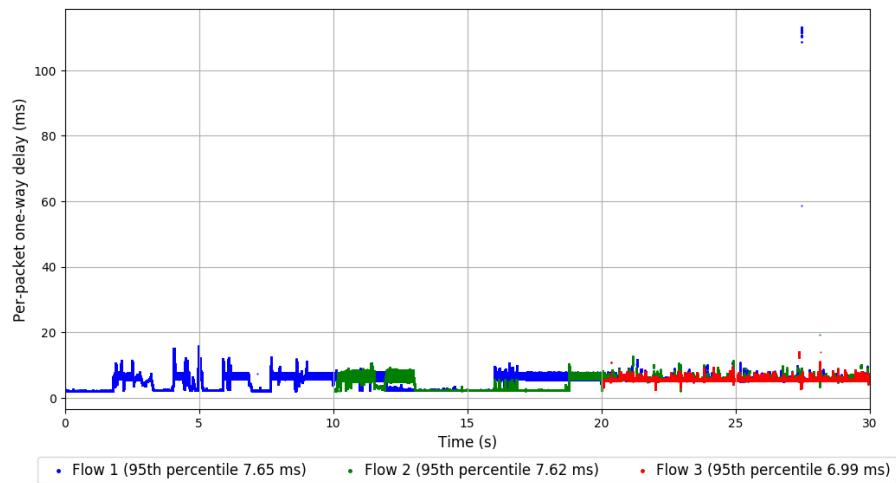
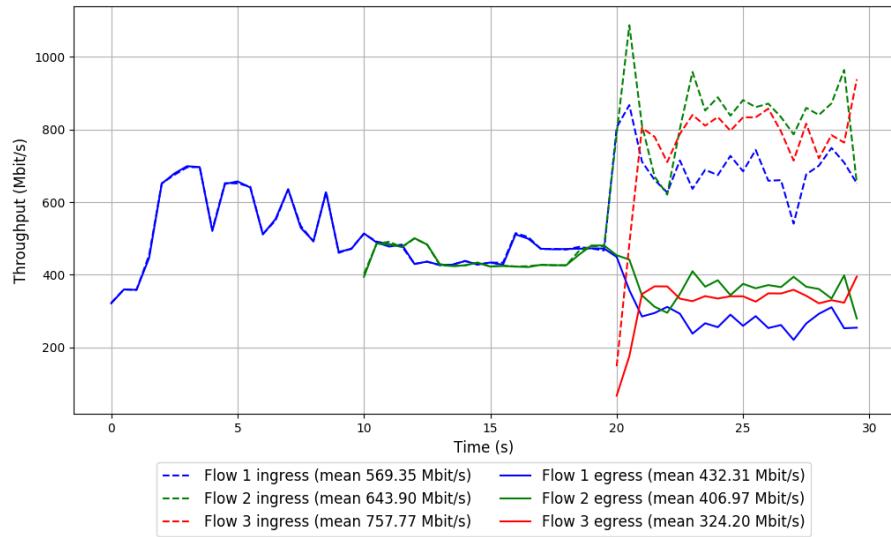


Run 6: Statistics of CalibratedKoho

```
Start at: 2017-10-12 08:43:32
End at: 2017-10-12 08:44:02
Local clock offset: -0.245 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2017-10-12 14:25:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 810.56 Mbit/s
95th percentile per-packet one-way delay: 7.598 ms
Loss rate: 35.09%
-- Flow 1:
Average throughput: 432.31 Mbit/s
95th percentile per-packet one-way delay: 7.646 ms
Loss rate: 24.06%
-- Flow 2:
Average throughput: 406.97 Mbit/s
95th percentile per-packet one-way delay: 7.620 ms
Loss rate: 36.79%
-- Flow 3:
Average throughput: 324.20 Mbit/s
95th percentile per-packet one-way delay: 6.988 ms
Loss rate: 57.21%
```

Run 6: Report of CalibratedKoho — Data Link

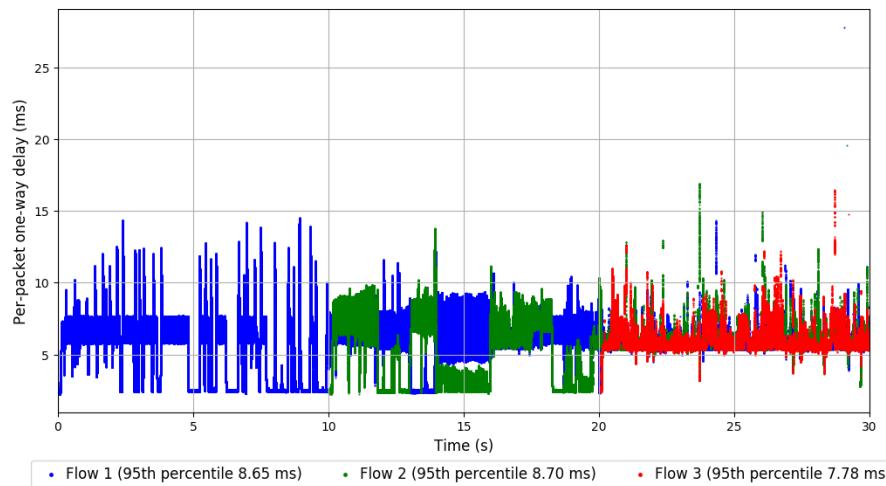
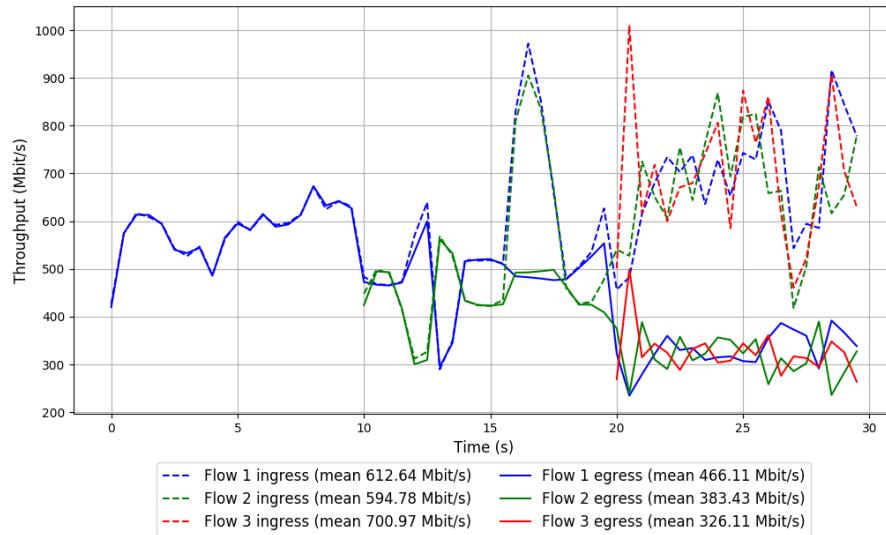


Run 7: Statistics of CalibratedKoho

```
Start at: 2017-10-12 09:03:48
End at: 2017-10-12 09:04:18
Local clock offset: -0.239 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2017-10-12 14:25:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 829.69 Mbit/s
95th percentile per-packet one-way delay: 8.604 ms
Loss rate: 33.15%
-- Flow 1:
Average throughput: 466.11 Mbit/s
95th percentile per-packet one-way delay: 8.647 ms
Loss rate: 23.91%
-- Flow 2:
Average throughput: 383.43 Mbit/s
95th percentile per-packet one-way delay: 8.703 ms
Loss rate: 35.53%
-- Flow 3:
Average throughput: 326.11 Mbit/s
95th percentile per-packet one-way delay: 7.781 ms
Loss rate: 53.46%
```

Run 7: Report of CalibratedKoho — Data Link

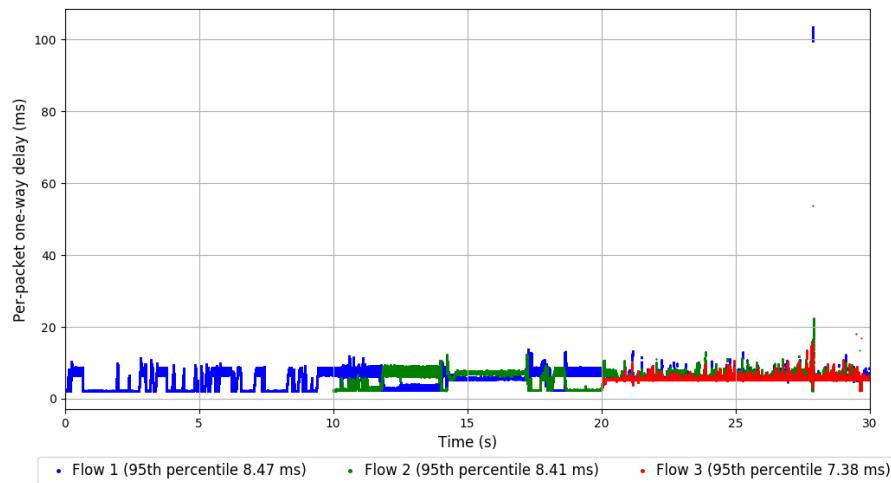
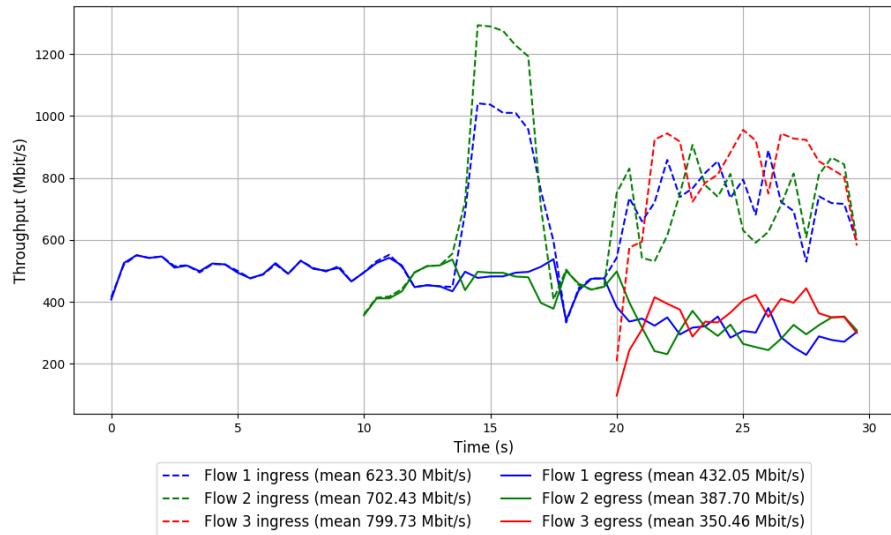


Run 8: Statistics of CalibratedKoho

```
Start at: 2017-10-12 09:24:05
End at: 2017-10-12 09:24:35
Local clock offset: -0.119 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2017-10-12 14:26:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 806.06 Mbit/s
95th percentile per-packet one-way delay: 8.426 ms
Loss rate: 40.52%
-- Flow 1:
Average throughput: 432.05 Mbit/s
95th percentile per-packet one-way delay: 8.472 ms
Loss rate: 30.67%
-- Flow 2:
Average throughput: 387.70 Mbit/s
95th percentile per-packet one-way delay: 8.409 ms
Loss rate: 44.80%
-- Flow 3:
Average throughput: 350.46 Mbit/s
95th percentile per-packet one-way delay: 7.375 ms
Loss rate: 56.17%
```

Run 8: Report of CalibratedKoho — Data Link

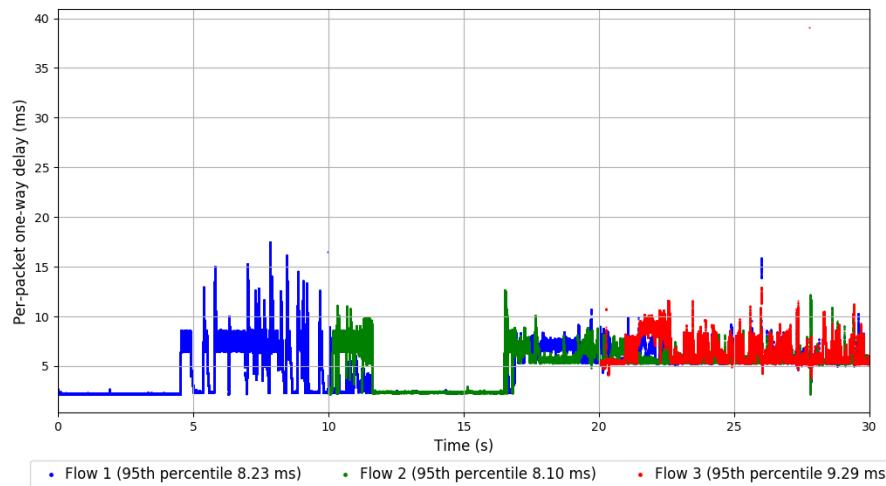
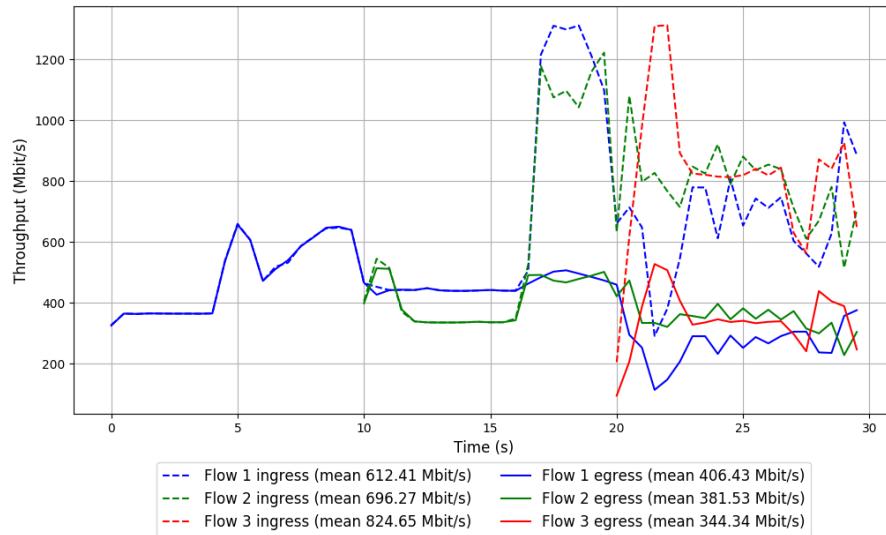


Run 9: Statistics of CalibratedKoho

```
Start at: 2017-10-12 09:44:18
End at: 2017-10-12 09:44:48
Local clock offset: -0.089 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2017-10-12 14:34:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.79 Mbit/s
95th percentile per-packet one-way delay: 8.449 ms
Loss rate: 42.59%
-- Flow 1:
Average throughput: 406.43 Mbit/s
95th percentile per-packet one-way delay: 8.230 ms
Loss rate: 33.63%
-- Flow 2:
Average throughput: 381.53 Mbit/s
95th percentile per-packet one-way delay: 8.102 ms
Loss rate: 45.19%
-- Flow 3:
Average throughput: 344.34 Mbit/s
95th percentile per-packet one-way delay: 9.292 ms
Loss rate: 58.24%
```

Run 9: Report of CalibratedKoho — Data Link

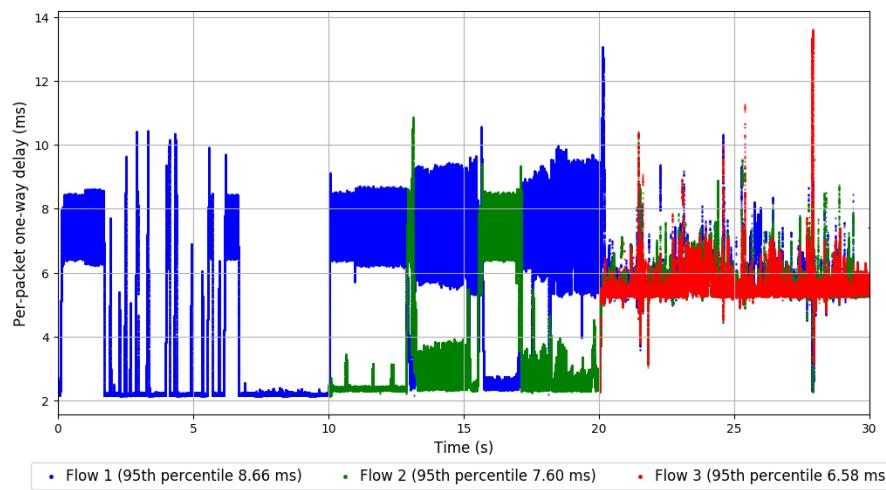
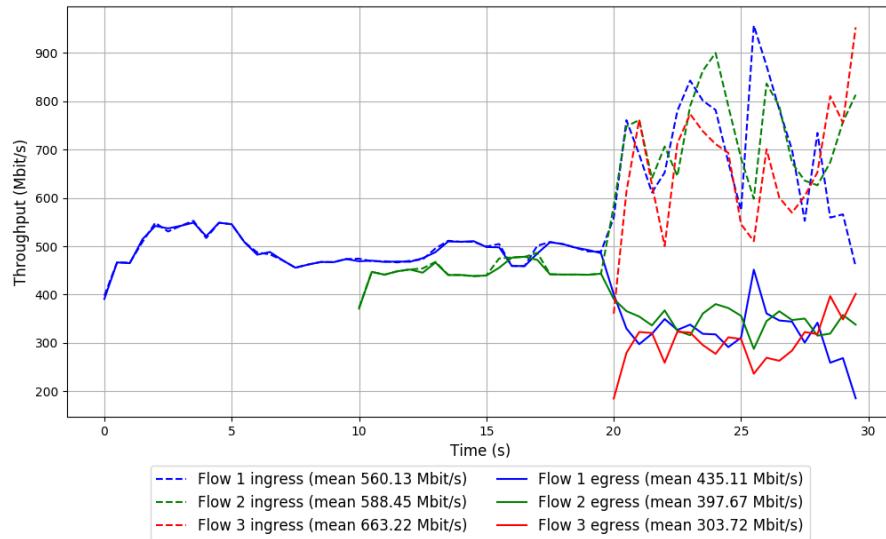


```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-10-12 10:04:22
End at: 2017-10-12 10:04:52
Local clock offset: -0.05 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 800.70 Mbit/s
95th percentile per-packet one-way delay: 8.393 ms
Loss rate: 31.68%
-- Flow 1:
Average throughput: 435.11 Mbit/s
95th percentile per-packet one-way delay: 8.658 ms
Loss rate: 22.31%
-- Flow 2:
Average throughput: 397.67 Mbit/s
95th percentile per-packet one-way delay: 7.598 ms
Loss rate: 32.40%
-- Flow 3:
Average throughput: 303.72 Mbit/s
95th percentile per-packet one-way delay: 6.584 ms
Loss rate: 54.20%
```

Run 10: Report of CalibratedKoho — Data Link

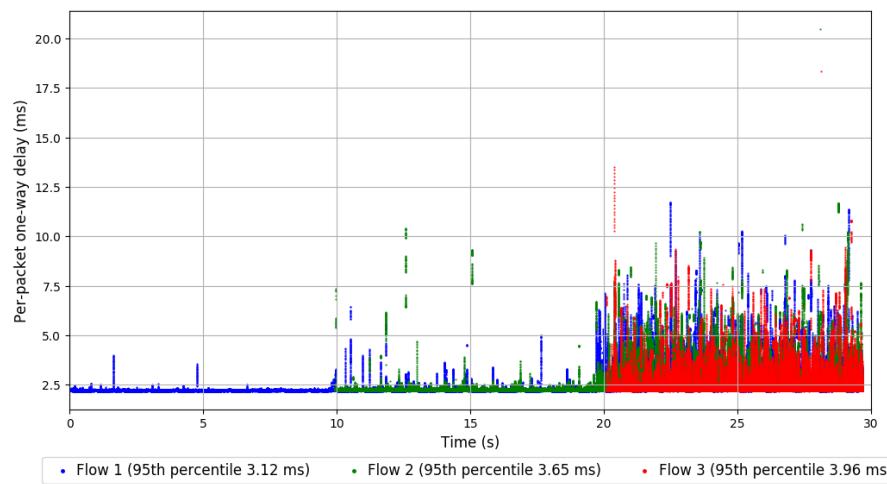
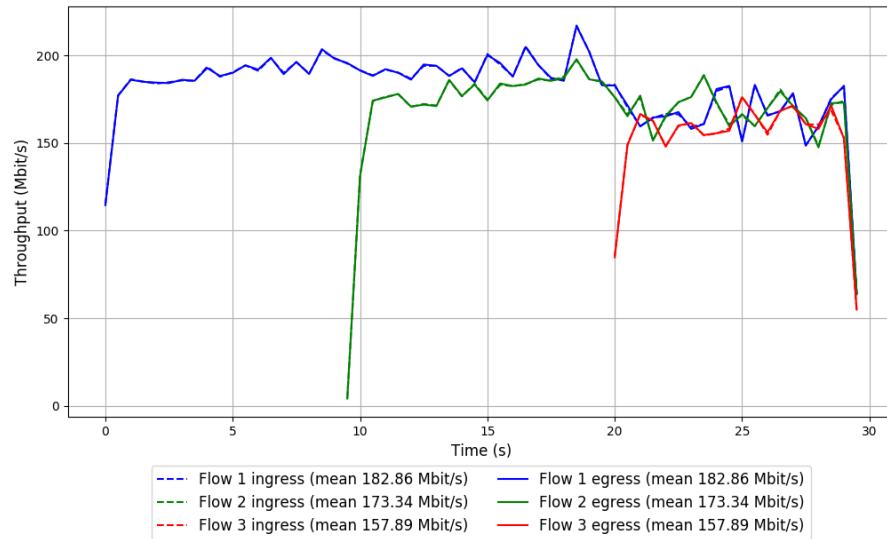


Run 1: Statistics of Indigo

```
Start at: 2017-10-12 06:56:12
End at: 2017-10-12 06:56:42
Local clock offset: -0.361 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.30 Mbit/s
95th percentile per-packet one-way delay: 3.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.86 Mbit/s
95th percentile per-packet one-way delay: 3.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.34 Mbit/s
95th percentile per-packet one-way delay: 3.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.89 Mbit/s
95th percentile per-packet one-way delay: 3.961 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

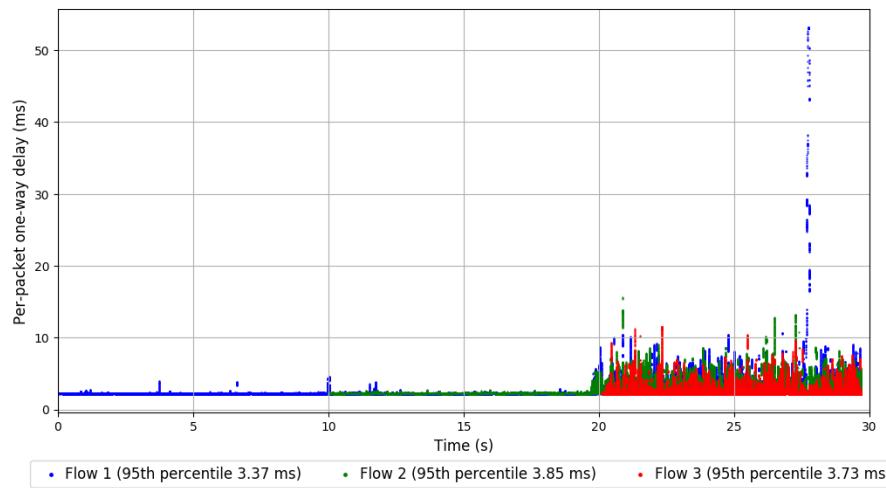
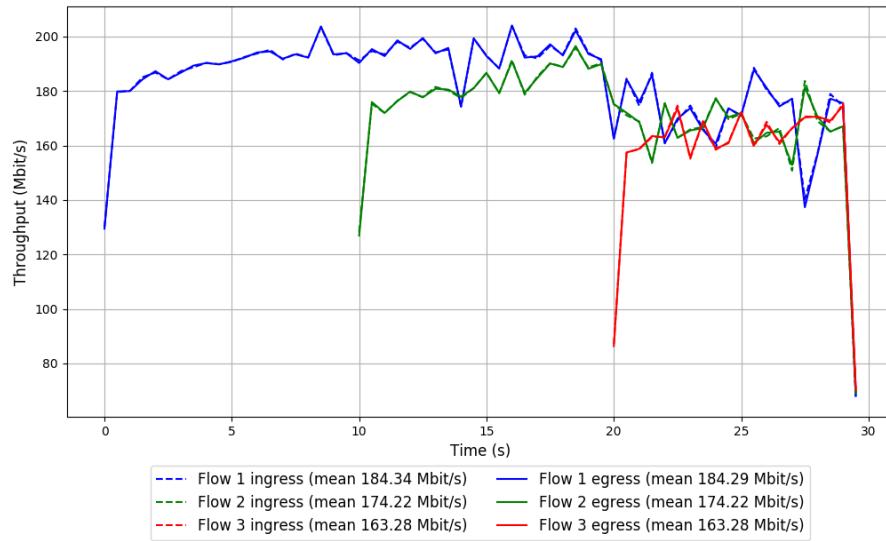


Run 2: Statistics of Indigo

```
Start at: 2017-10-12 07:16:19
End at: 2017-10-12 07:16:49
Local clock offset: -0.443 ms
Remote clock offset: -0.293 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.49 Mbit/s
95th percentile per-packet one-way delay: 3.594 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 184.29 Mbit/s
95th percentile per-packet one-way delay: 3.366 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 174.22 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.28 Mbit/s
95th percentile per-packet one-way delay: 3.732 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

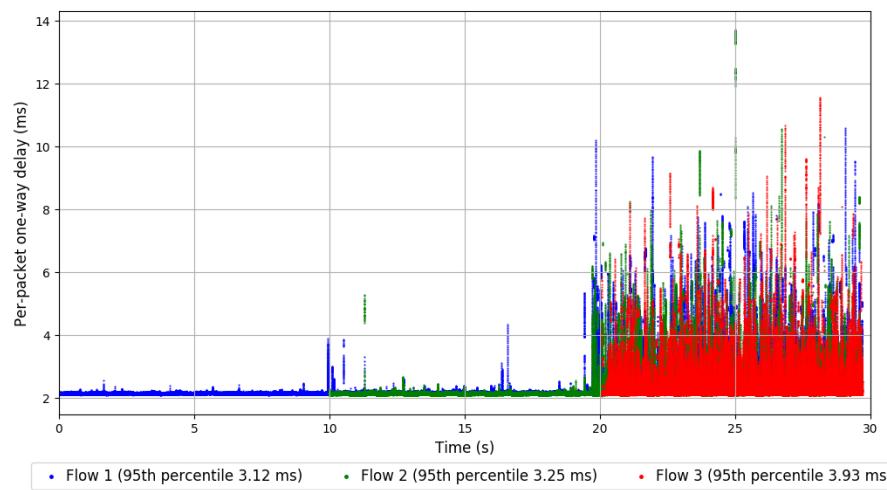
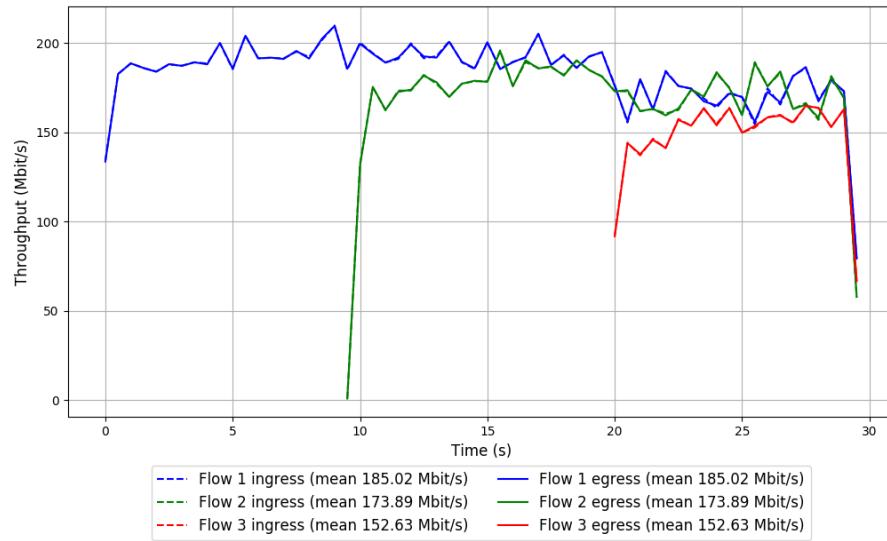


Run 3: Statistics of Indigo

```
Start at: 2017-10-12 07:36:43
End at: 2017-10-12 07:37:13
Local clock offset: -0.354 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.00 Mbit/s
95th percentile per-packet one-way delay: 3.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.02 Mbit/s
95th percentile per-packet one-way delay: 3.121 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.89 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.63 Mbit/s
95th percentile per-packet one-way delay: 3.927 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

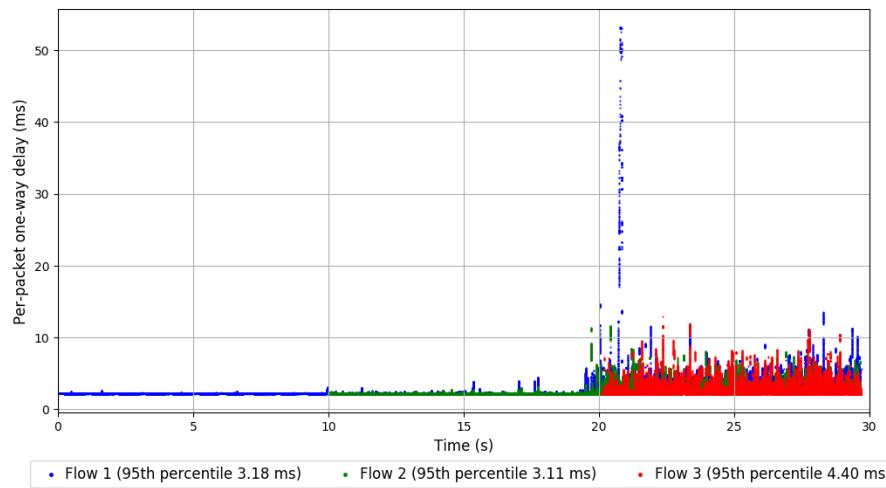
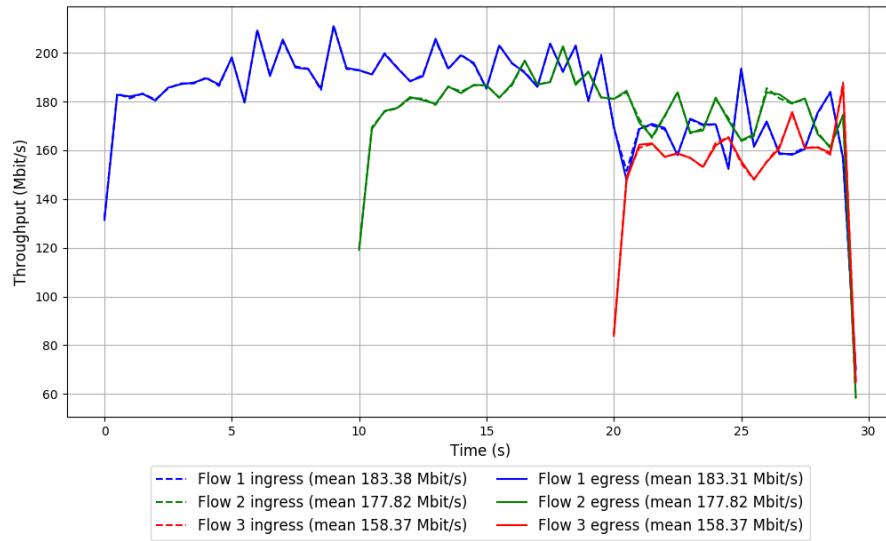


Run 4: Statistics of Indigo

```
Start at: 2017-10-12 07:57:01
End at: 2017-10-12 07:57:31
Local clock offset: -0.371 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.30 Mbit/s
95th percentile per-packet one-way delay: 3.378 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 183.31 Mbit/s
95th percentile per-packet one-way delay: 3.180 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 3.111 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 158.37 Mbit/s
95th percentile per-packet one-way delay: 4.401 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

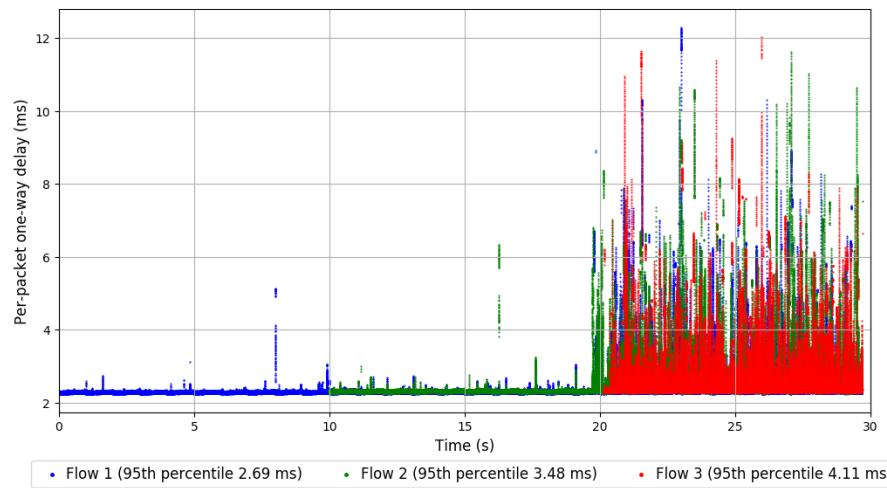
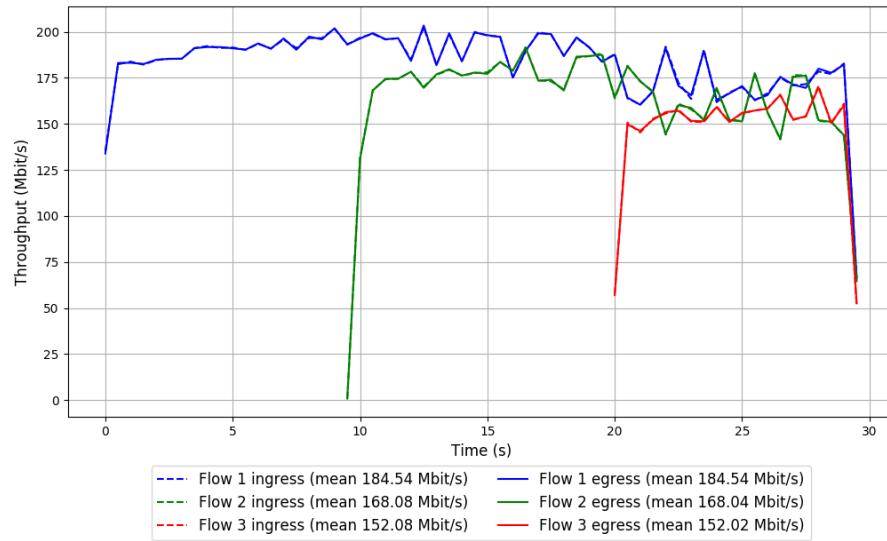


Run 5: Statistics of Indigo

```
Start at: 2017-10-12 08:17:14
End at: 2017-10-12 08:17:44
Local clock offset: -0.41 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.08 Mbit/s
95th percentile per-packet one-way delay: 3.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.54 Mbit/s
95th percentile per-packet one-way delay: 2.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 3.482 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.02 Mbit/s
95th percentile per-packet one-way delay: 4.110 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

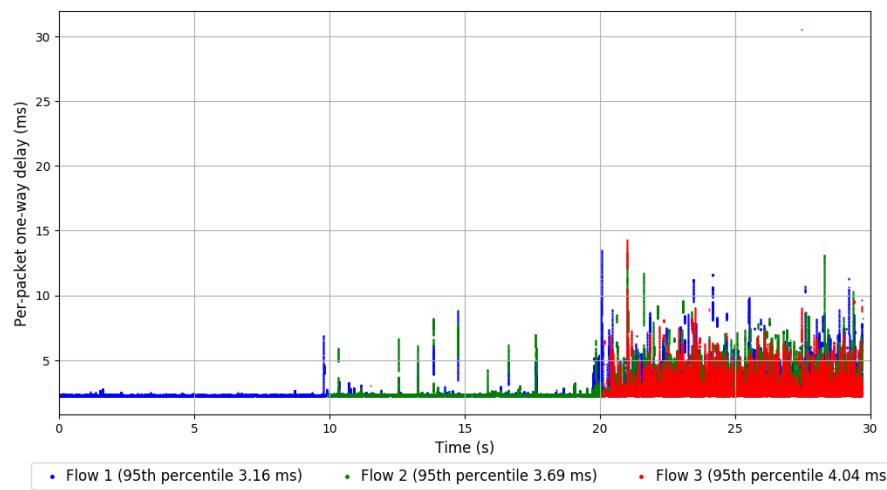
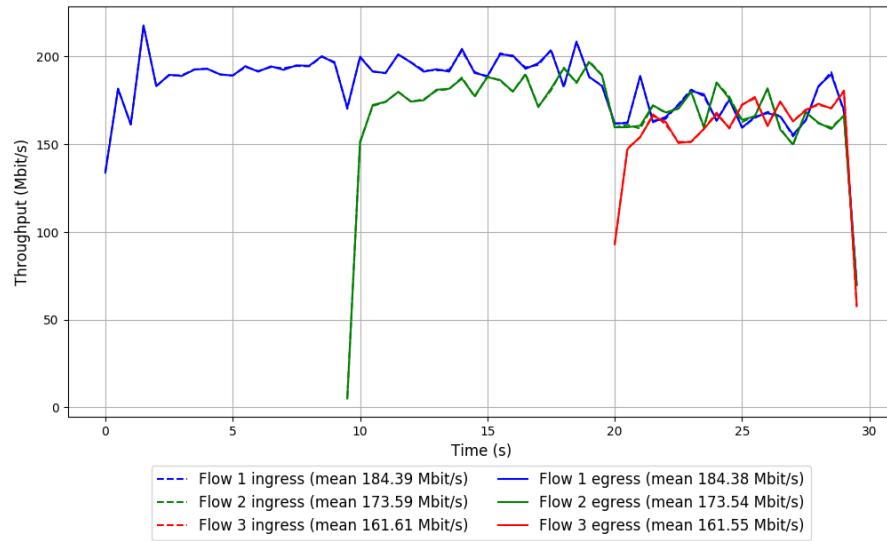


Run 6: Statistics of Indigo

```
Start at: 2017-10-12 08:37:37
End at: 2017-10-12 08:38:07
Local clock offset: -0.299 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.19 Mbit/s
95th percentile per-packet one-way delay: 3.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.38 Mbit/s
95th percentile per-packet one-way delay: 3.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.54 Mbit/s
95th percentile per-packet one-way delay: 3.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.55 Mbit/s
95th percentile per-packet one-way delay: 4.044 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

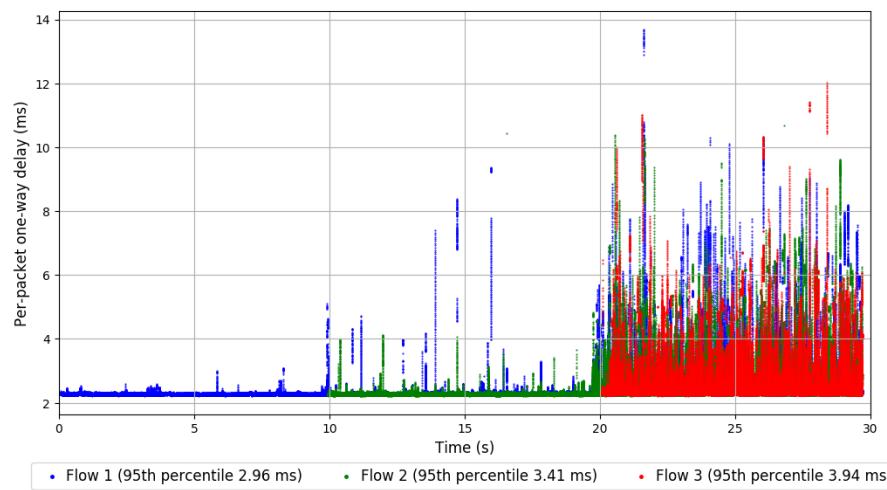
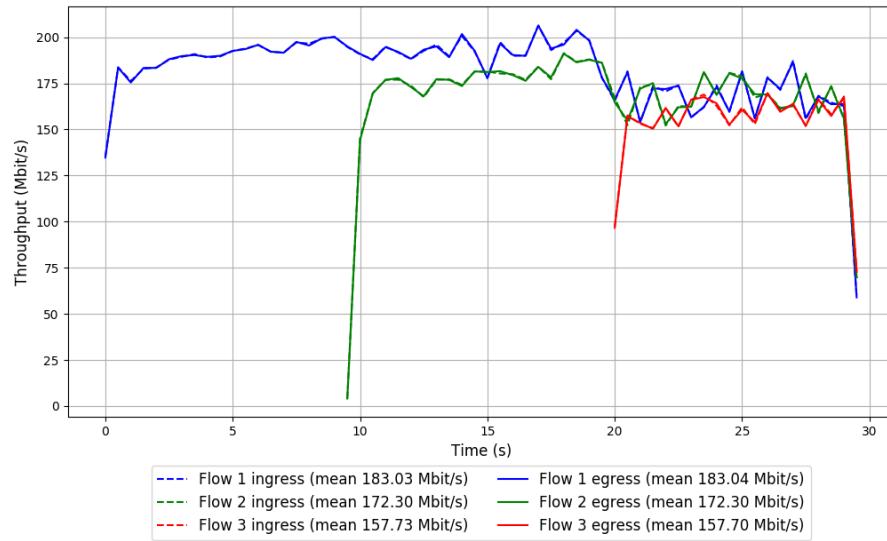


Run 7: Statistics of Indigo

```
Start at: 2017-10-12 08:57:49
End at: 2017-10-12 08:58:19
Local clock offset: -0.273 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2017-10-12 14:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 3.326 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 183.04 Mbit/s
95th percentile per-packet one-way delay: 2.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.30 Mbit/s
95th percentile per-packet one-way delay: 3.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.70 Mbit/s
95th percentile per-packet one-way delay: 3.943 ms
Loss rate: 0.04%
```

Run 7: Report of Indigo — Data Link

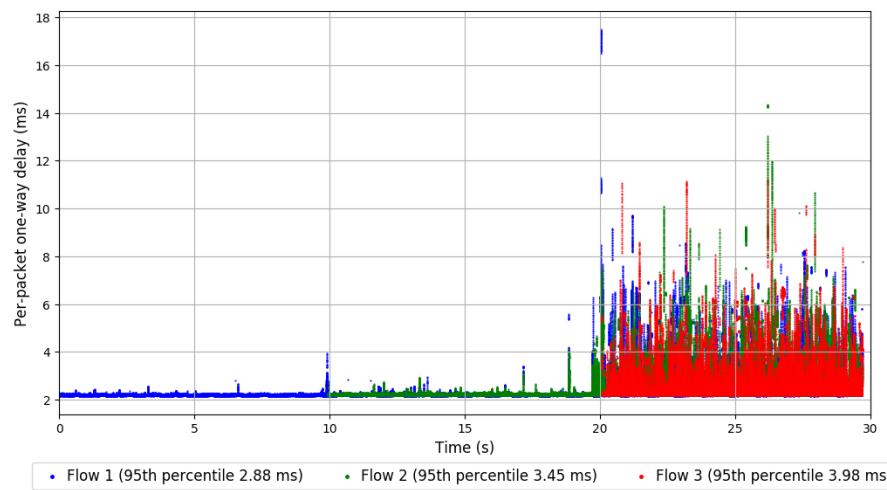
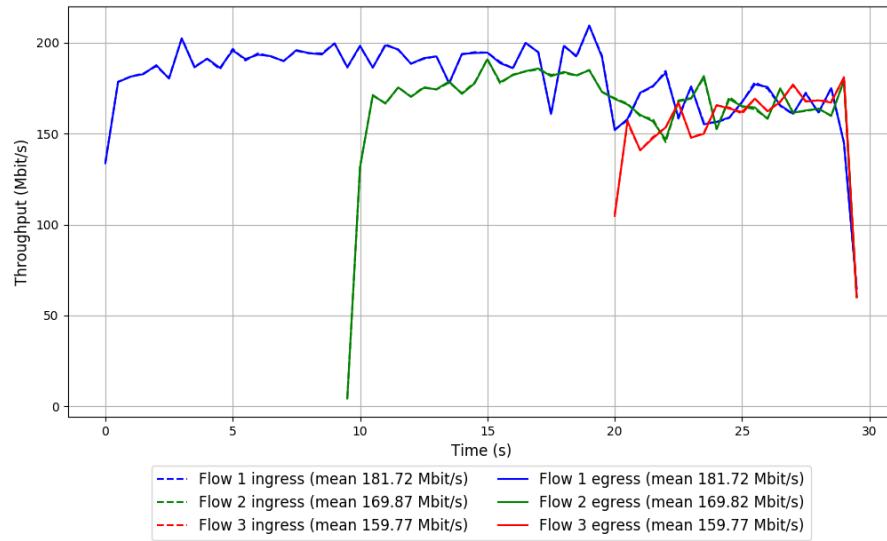


Run 8: Statistics of Indigo

```
Start at: 2017-10-12 09:18:05
End at: 2017-10-12 09:18:35
Local clock offset: -0.143 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2017-10-12 14:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.54 Mbit/s
95th percentile per-packet one-way delay: 3.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.72 Mbit/s
95th percentile per-packet one-way delay: 2.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.82 Mbit/s
95th percentile per-packet one-way delay: 3.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.77 Mbit/s
95th percentile per-packet one-way delay: 3.985 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

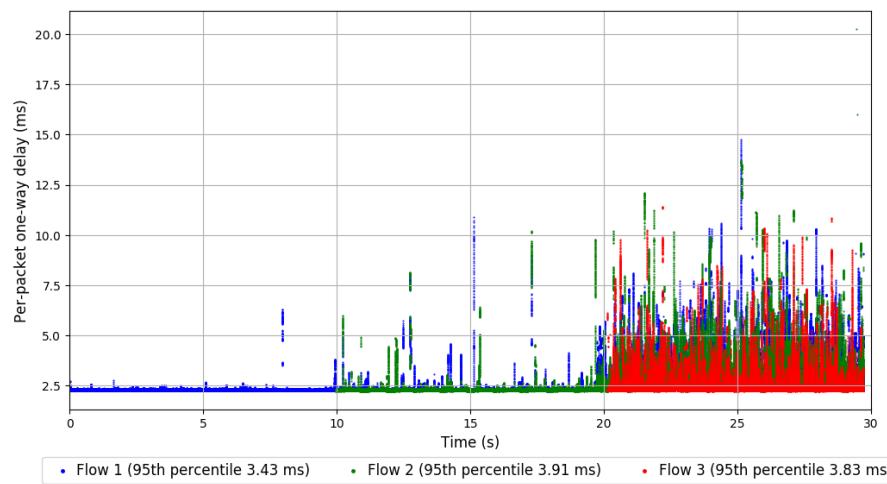
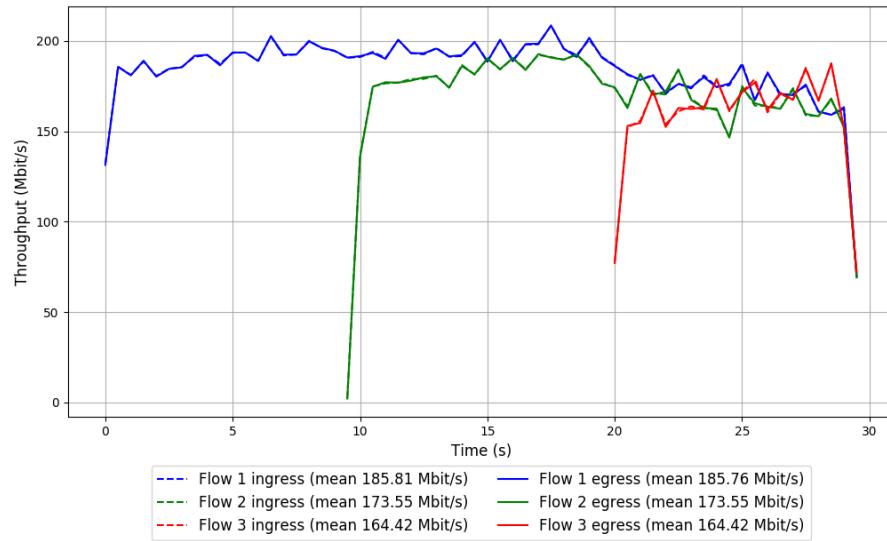


Run 9: Statistics of Indigo

```
Start at: 2017-10-12 09:38:22
End at: 2017-10-12 09:38:52
Local clock offset: -0.144 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2017-10-12 14:34:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.13 Mbit/s
95th percentile per-packet one-way delay: 3.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.76 Mbit/s
95th percentile per-packet one-way delay: 3.432 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 173.55 Mbit/s
95th percentile per-packet one-way delay: 3.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.42 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

```
Start at: 2017-10-12 09:58:26
End at: 2017-10-12 09:58:56
Local clock offset: -0.061 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-10-12 14:34:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.76 Mbit/s
95th percentile per-packet one-way delay: 3.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.58 Mbit/s
95th percentile per-packet one-way delay: 3.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.94 Mbit/s
95th percentile per-packet one-way delay: 3.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.92 Mbit/s
95th percentile per-packet one-way delay: 4.505 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

