

Pantheon Report

Generated at 2018-02-20 22:08:20 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

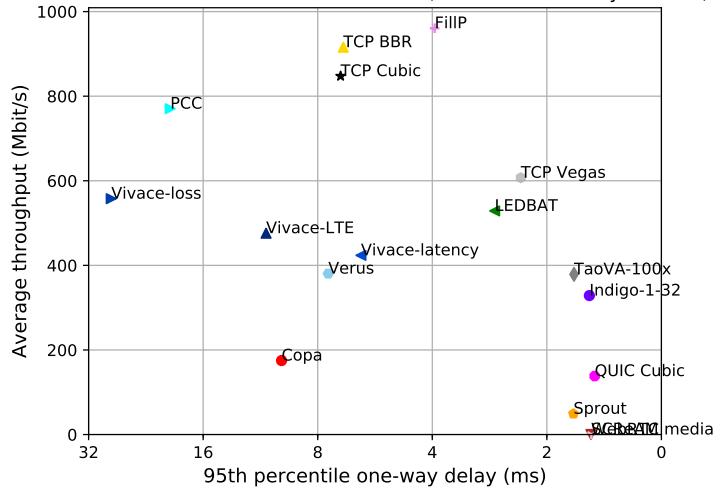
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

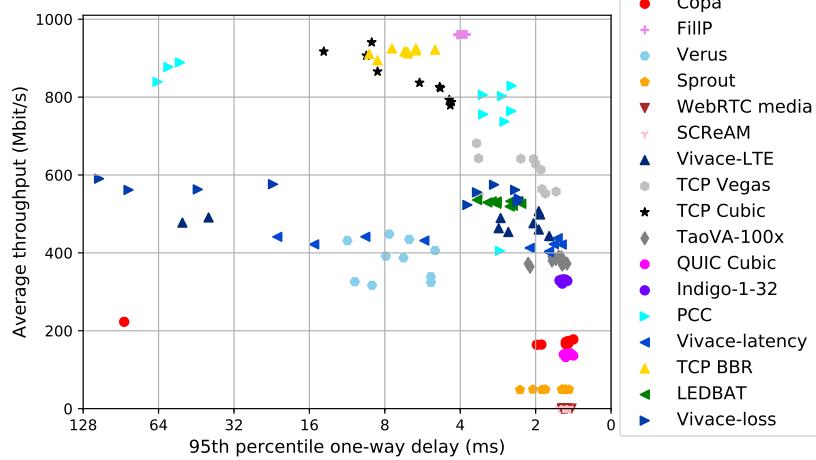
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



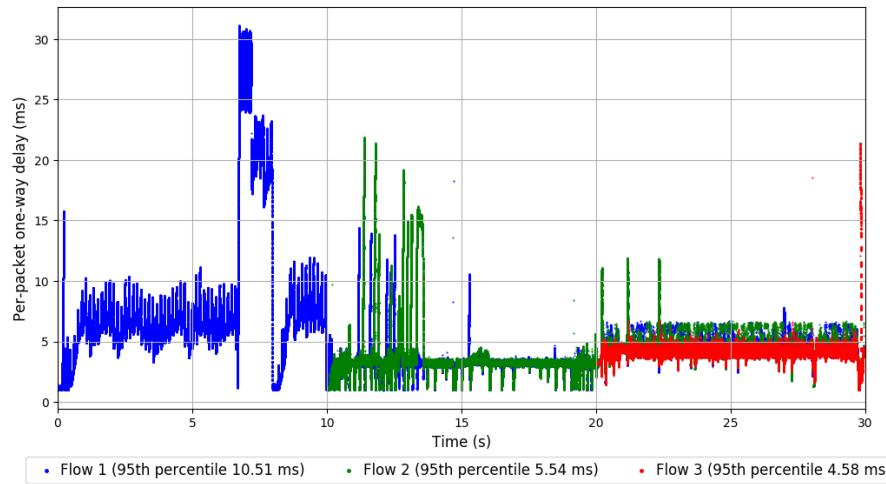
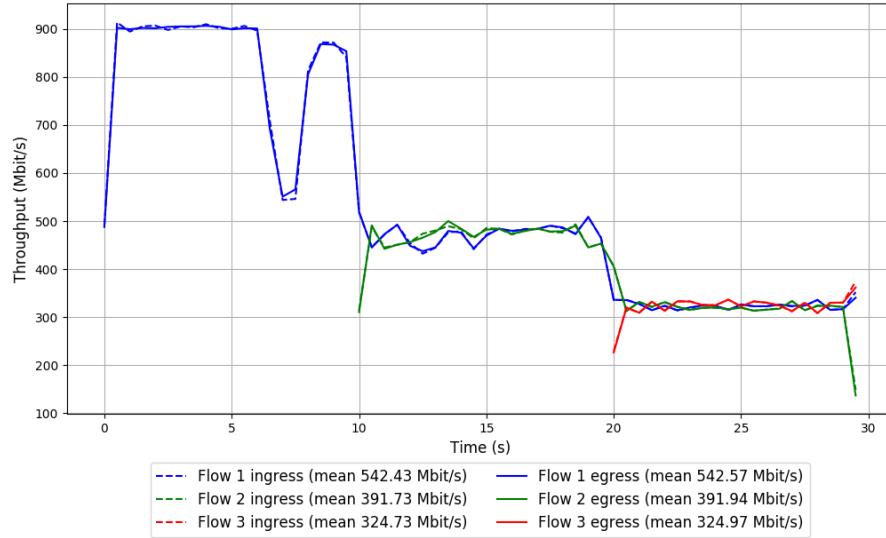
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	550.17	390.12	320.35	7.48	4.86	4.48	0.04	0.10	0.23
TCP Cubic	10	482.96	396.70	303.73	7.06	5.49	4.43	0.05	0.09	0.23
LEDBAT	10	304.74	243.32	189.50	2.64	3.15	2.61	0.05	0.08	0.21
PCC	10	595.75	181.47	165.09	23.09	2.66	2.60	0.52	0.13	0.29
QUIC Cubic	10	73.51	68.74	57.70	1.16	1.17	1.16	0.06	0.09	0.22
SCReAM	10	0.22	0.22	0.22	1.23	1.22	1.22	0.00	0.00	0.28
WebRTC media	10	0.05	0.05	0.05	1.25	1.23	1.20	0.02	0.02	0.01
Sprout	10	24.70	24.67	24.39	1.53	1.48	1.55	0.24	0.24	0.41
TaoVA-100x	10	211.18	189.55	125.59	1.44	1.58	1.89	0.04	0.07	0.19
TCP Vegas	10	269.06	360.98	295.42	2.07	2.46	3.11	0.06	0.08	0.19
Verus	10	231.67	159.99	129.68	8.42	5.92	3.81	0.44	0.32	0.42
Copa	10	85.94	84.12	100.05	1.29	1.29	13.57	0.05	0.09	0.27
FillP	10	589.80	400.27	316.85	3.89	3.97	4.01	0.06	0.09	0.23
Indigo-1-32	10	175.81	160.28	142.63	1.23	1.28	1.32	0.06	0.09	0.22
Vivace-latency	10	302.77	134.82	95.48	13.29	2.92	1.26	0.24	0.11	0.33
Vivace-loss	10	343.69	229.63	187.54	32.18	4.44	2.72	0.74	0.08	0.18
Vivace-LTE	10	331.00	149.44	139.68	16.22	5.35	1.63	0.17	0.14	0.23

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-20 10:01:22
End at: 2018-02-20 10:01:52
Local clock offset: 0.719 ms
Remote clock offset: -5.079 ms

# Below is generated by plot.py at 2018-02-20 19:57:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 910.59 Mbit/s
95th percentile per-packet one-way delay: 9.232 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 542.57 Mbit/s
95th percentile per-packet one-way delay: 10.514 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 391.94 Mbit/s
95th percentile per-packet one-way delay: 5.540 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 324.97 Mbit/s
95th percentile per-packet one-way delay: 4.579 ms
Loss rate: 0.24%
```

Run 1: Report of TCP BBR — Data Link

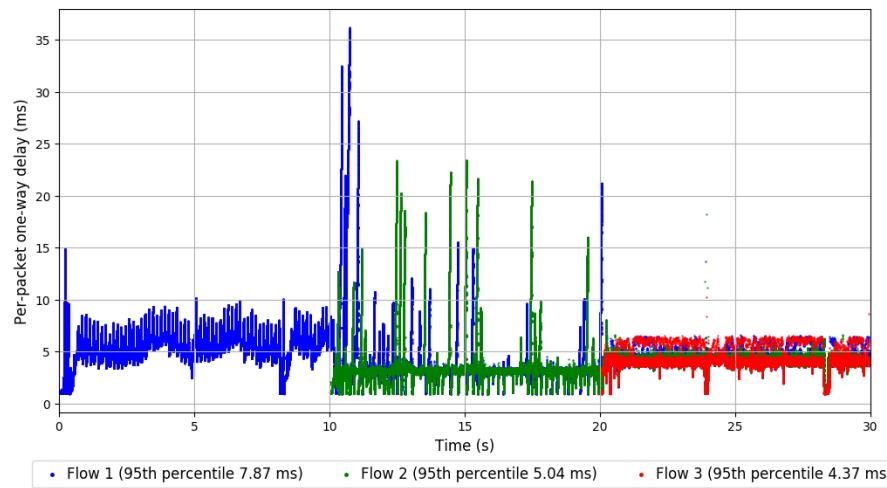
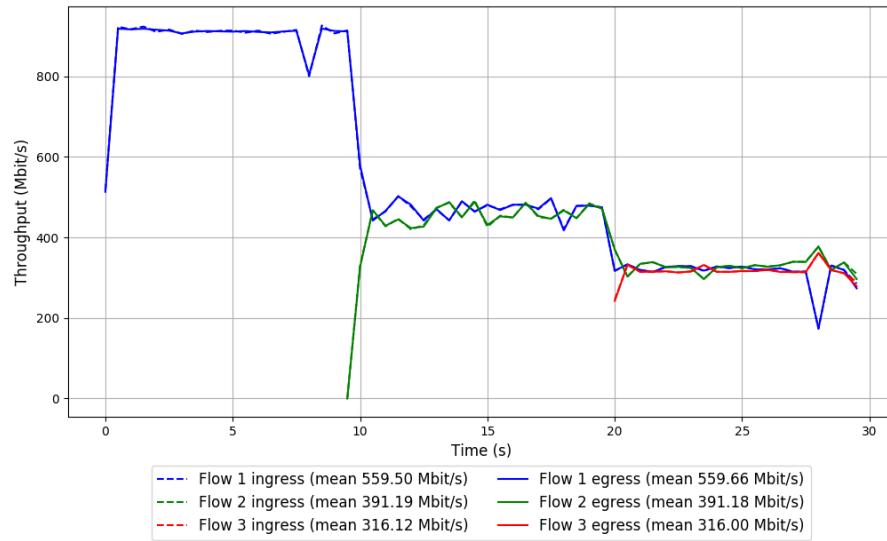


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-20 10:30:31
End at: 2018-02-20 10:31:01
Local clock offset: 0.924 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 924.84 Mbit/s
95th percentile per-packet one-way delay: 7.496 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 559.66 Mbit/s
95th percentile per-packet one-way delay: 7.866 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 391.18 Mbit/s
95th percentile per-packet one-way delay: 5.036 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.00 Mbit/s
95th percentile per-packet one-way delay: 4.367 ms
Loss rate: 0.21%
```

Run 2: Report of TCP BBR — Data Link

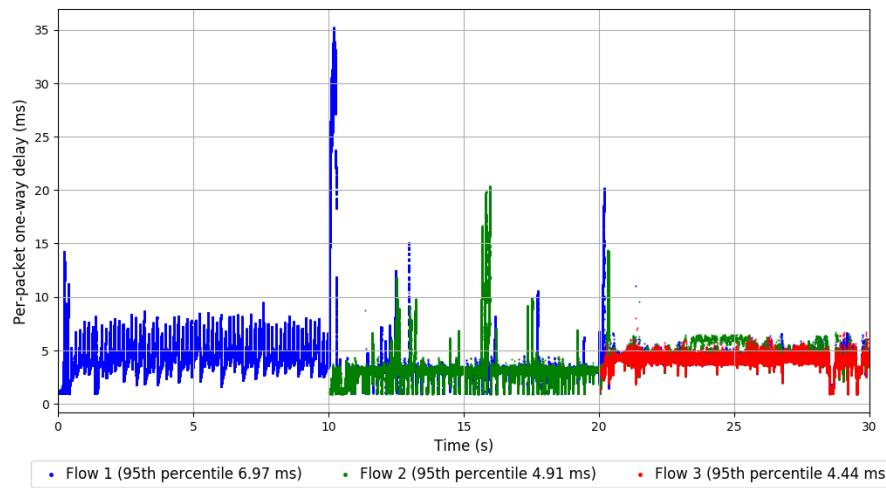
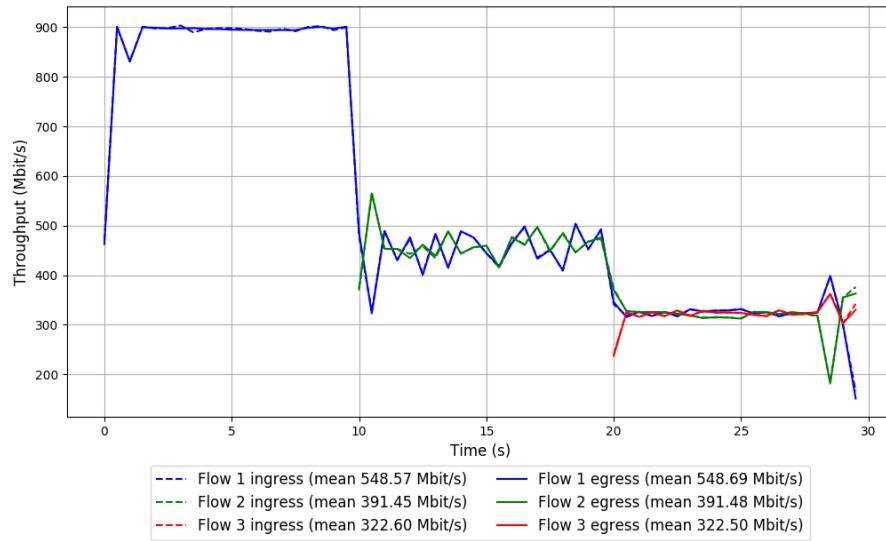


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-20 10:59:48
End at: 2018-02-20 11:00:18
Local clock offset: 0.946 ms
Remote clock offset: -6.548 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 916.14 Mbit/s
95th percentile per-packet one-way delay: 6.494 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 548.69 Mbit/s
95th percentile per-packet one-way delay: 6.972 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 391.48 Mbit/s
95th percentile per-packet one-way delay: 4.912 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 322.50 Mbit/s
95th percentile per-packet one-way delay: 4.438 ms
Loss rate: 0.23%
```

Run 3: Report of TCP BBR — Data Link

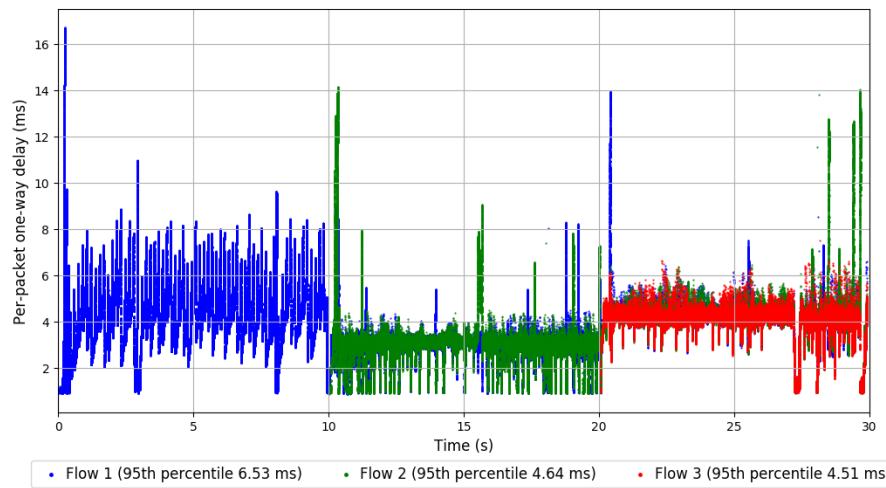
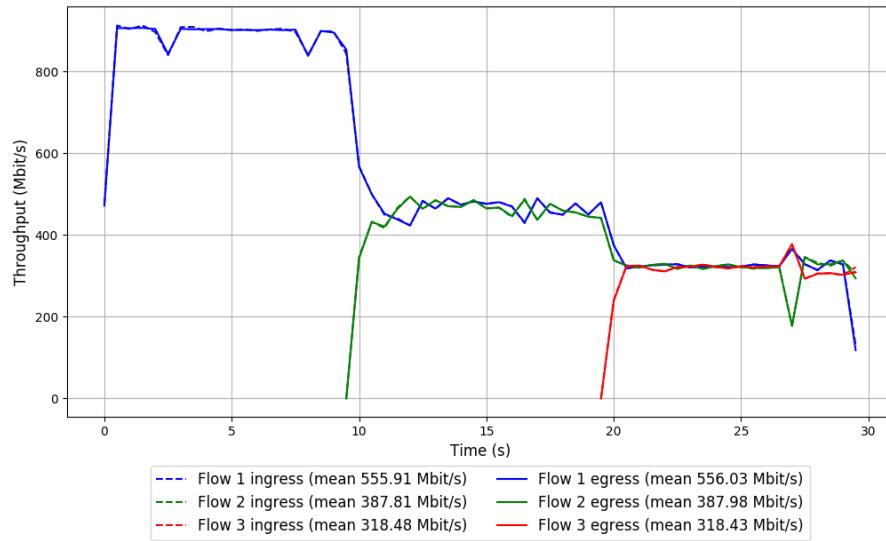


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-20 11:28:40
End at: 2018-02-20 11:29:10
Local clock offset: 0.86 ms
Remote clock offset: -4.935 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 919.83 Mbit/s
95th percentile per-packet one-way delay: 6.008 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 556.03 Mbit/s
95th percentile per-packet one-way delay: 6.531 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 387.98 Mbit/s
95th percentile per-packet one-way delay: 4.640 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.43 Mbit/s
95th percentile per-packet one-way delay: 4.506 ms
Loss rate: 0.23%
```

Run 4: Report of TCP BBR — Data Link

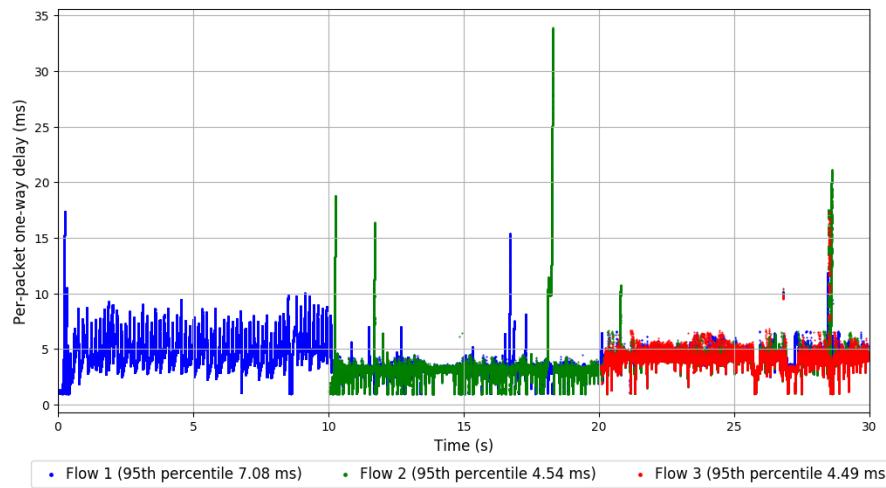
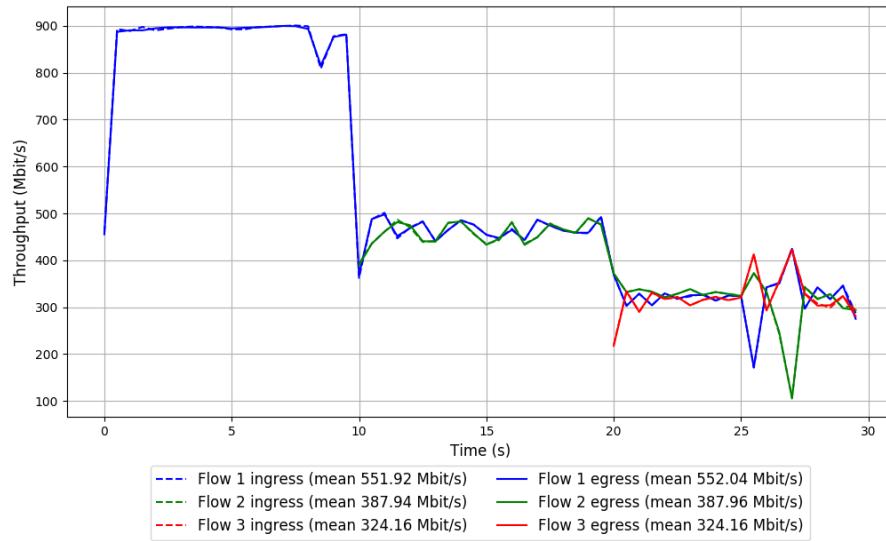


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-20 11:57:49
End at: 2018-02-20 11:58:19
Local clock offset: -0.496 ms
Remote clock offset: -4.232 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.41 Mbit/s
95th percentile per-packet one-way delay: 6.674 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 552.04 Mbit/s
95th percentile per-packet one-way delay: 7.082 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.96 Mbit/s
95th percentile per-packet one-way delay: 4.538 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 324.16 Mbit/s
95th percentile per-packet one-way delay: 4.490 ms
Loss rate: 0.23%
```

Run 5: Report of TCP BBR — Data Link

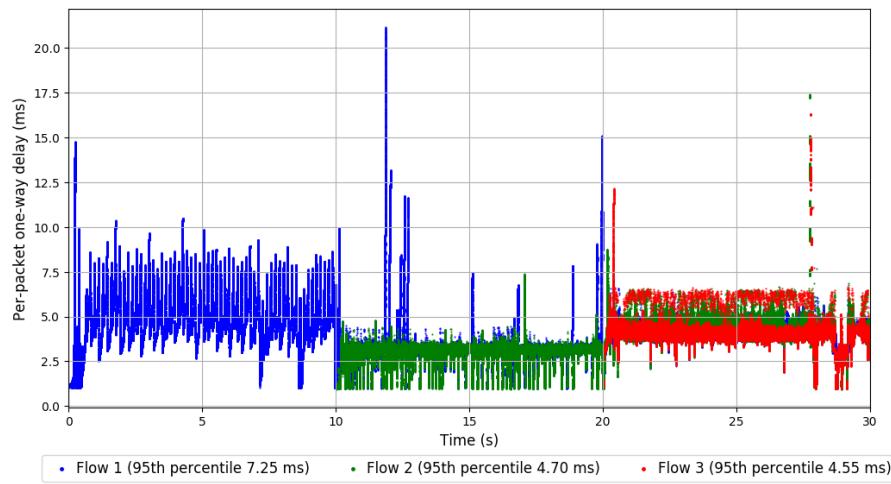
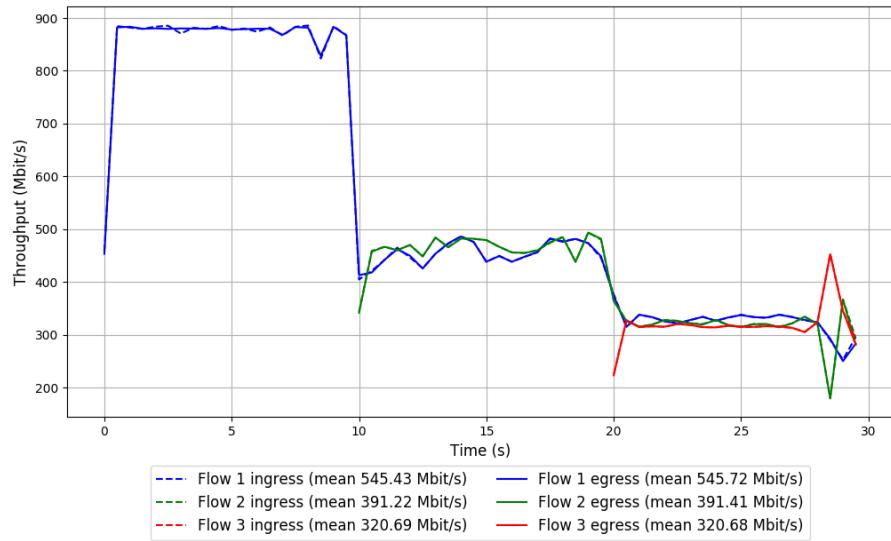


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-20 12:26:59
End at: 2018-02-20 12:27:29
Local clock offset: 1.038 ms
Remote clock offset: -4.876 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 912.29 Mbit/s
95th percentile per-packet one-way delay: 6.471 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 545.72 Mbit/s
95th percentile per-packet one-way delay: 7.254 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.41 Mbit/s
95th percentile per-packet one-way delay: 4.697 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.68 Mbit/s
95th percentile per-packet one-way delay: 4.550 ms
Loss rate: 0.21%
```

Run 6: Report of TCP BBR — Data Link

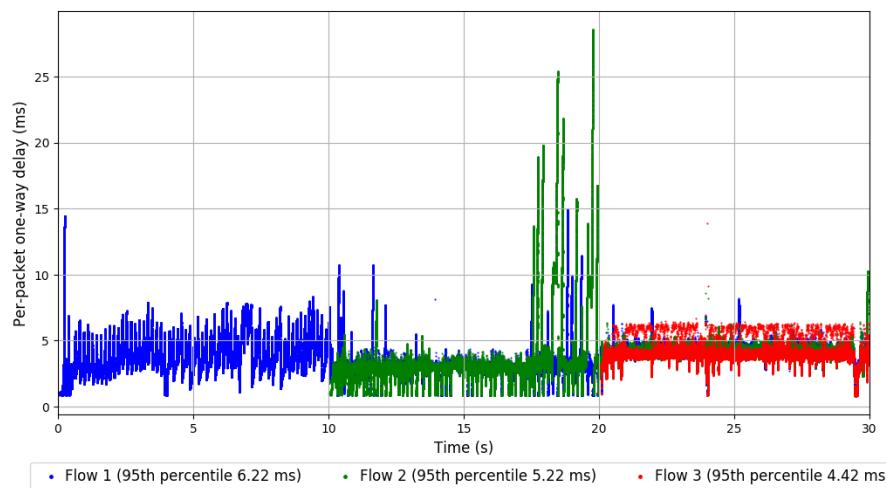
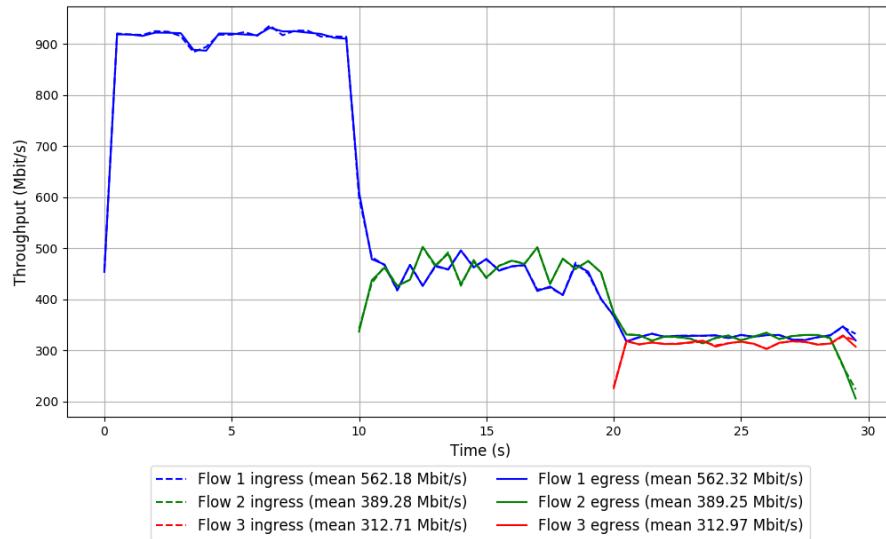


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-20 12:56:13
End at: 2018-02-20 12:56:43
Local clock offset: 1.244 ms
Remote clock offset: -6.032 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 925.09 Mbit/s
95th percentile per-packet one-way delay: 6.012 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 562.32 Mbit/s
95th percentile per-packet one-way delay: 6.221 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.25 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 312.97 Mbit/s
95th percentile per-packet one-way delay: 4.418 ms
Loss rate: 0.22%
```

Run 7: Report of TCP BBR — Data Link

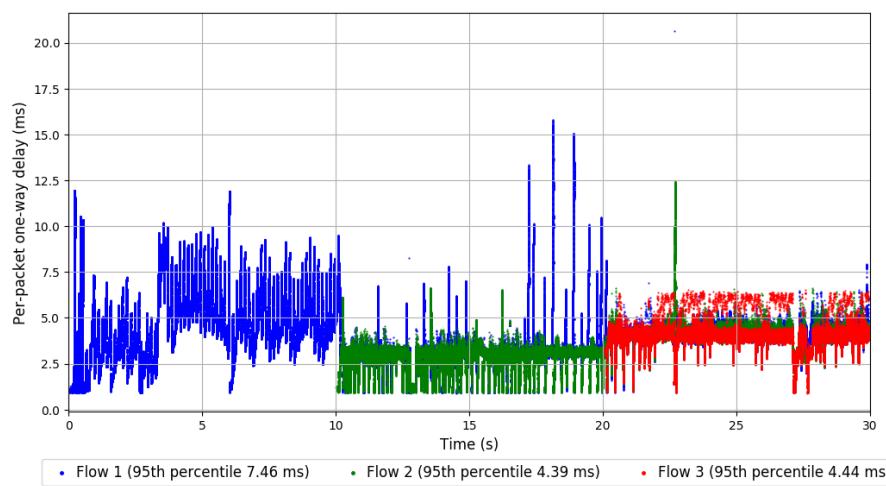
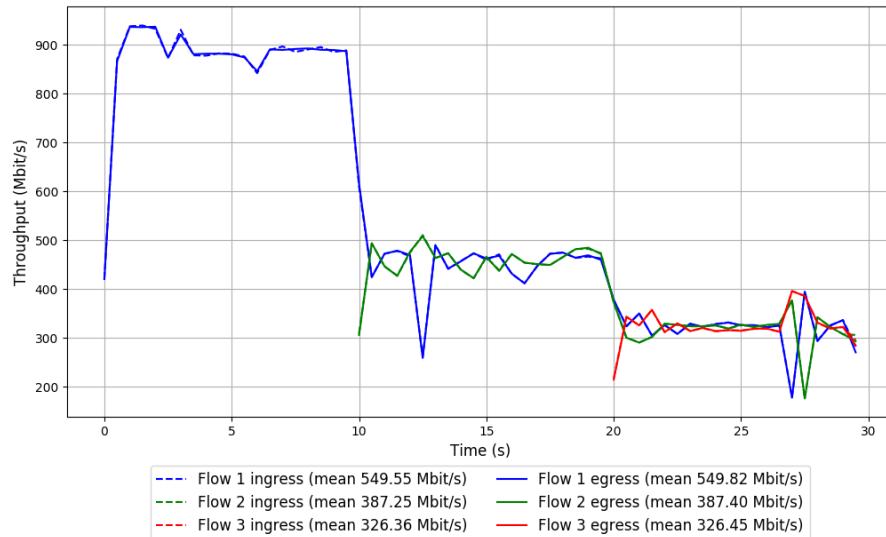


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-20 13:25:24
End at: 2018-02-20 13:25:54
Local clock offset: 1.107 ms
Remote clock offset: -7.209 ms

# Below is generated by plot.py at 2018-02-20 19:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 915.47 Mbit/s
95th percentile per-packet one-way delay: 6.559 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 549.82 Mbit/s
95th percentile per-packet one-way delay: 7.462 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.40 Mbit/s
95th percentile per-packet one-way delay: 4.395 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 326.45 Mbit/s
95th percentile per-packet one-way delay: 4.441 ms
Loss rate: 0.21%
```

Run 8: Report of TCP BBR — Data Link

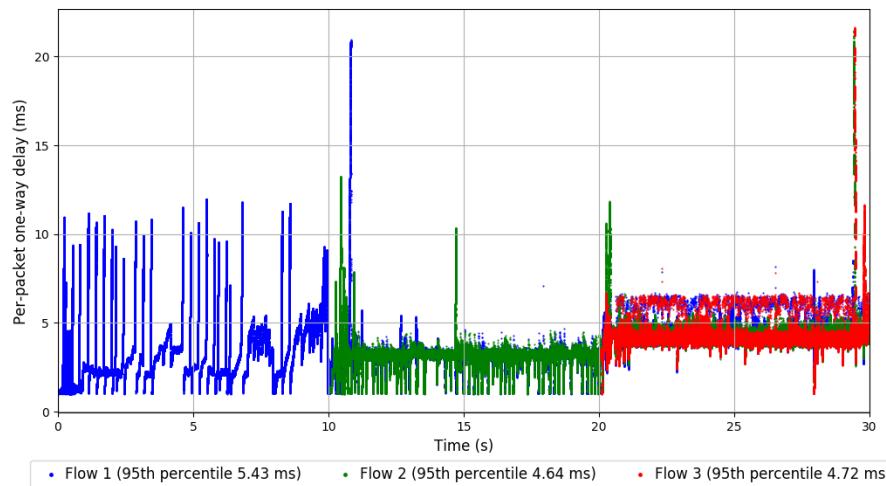
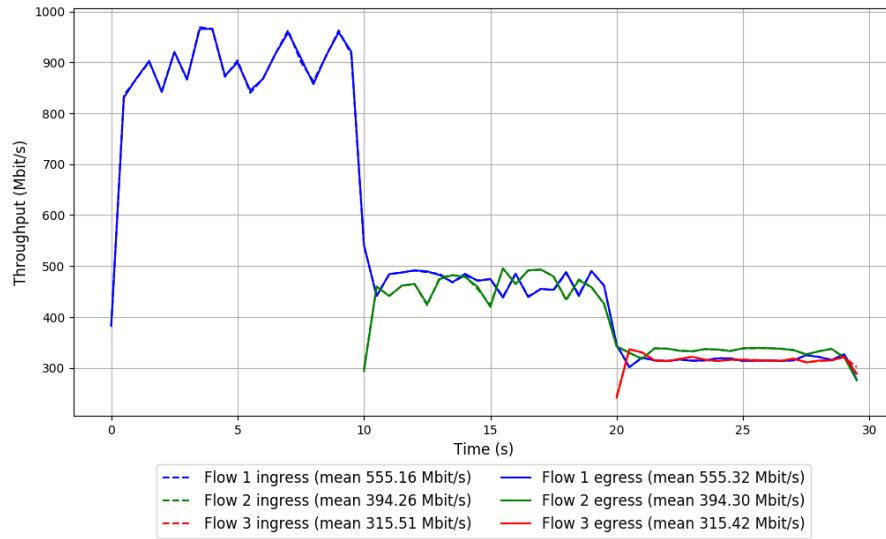


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-20 13:54:48
End at: 2018-02-20 13:55:18
Local clock offset: 1.215 ms
Remote clock offset: -6.731 ms

# Below is generated by plot.py at 2018-02-20 20:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 921.84 Mbit/s
95th percentile per-packet one-way delay: 5.038 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 555.32 Mbit/s
95th percentile per-packet one-way delay: 5.429 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 394.30 Mbit/s
95th percentile per-packet one-way delay: 4.643 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.42 Mbit/s
95th percentile per-packet one-way delay: 4.725 ms
Loss rate: 0.25%
```

Run 9: Report of TCP BBR — Data Link

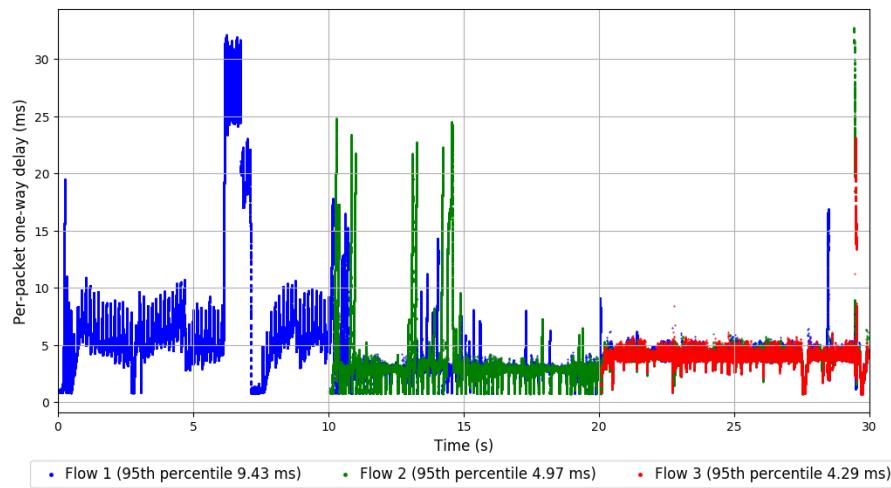
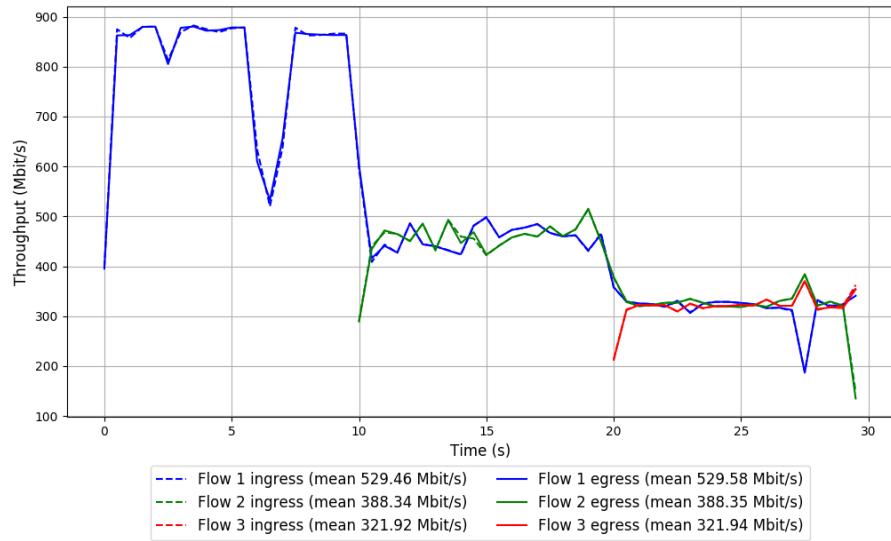


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-20 14:24:03
End at: 2018-02-20 14:24:33
Local clock offset: 1.972 ms
Remote clock offset: -6.498 ms

# Below is generated by plot.py at 2018-02-20 20:10:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 894.51 Mbit/s
95th percentile per-packet one-way delay: 8.556 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 529.58 Mbit/s
95th percentile per-packet one-way delay: 9.434 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.35 Mbit/s
95th percentile per-packet one-way delay: 4.975 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.94 Mbit/s
95th percentile per-packet one-way delay: 4.294 ms
Loss rate: 0.24%
```

Run 10: Report of TCP BBR — Data Link

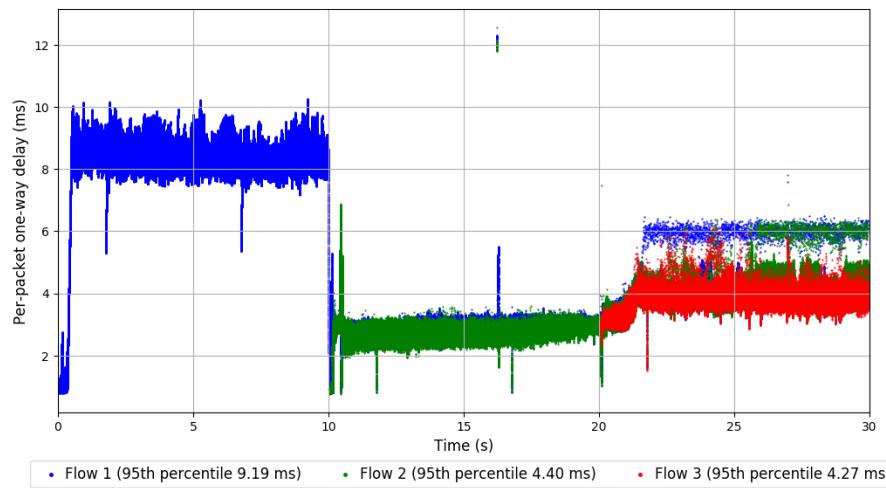
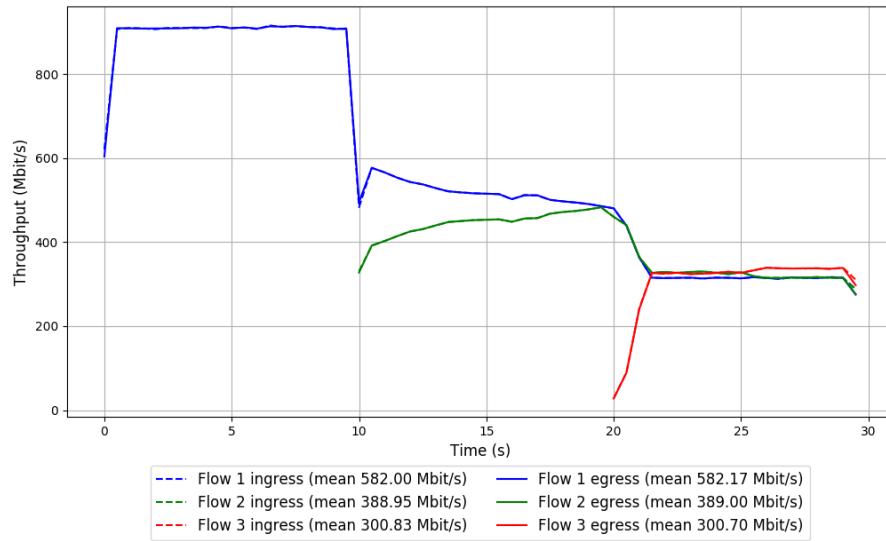


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-02-20 09:57:50
End at: 2018-02-20 09:58:20
Local clock offset: 0.396 ms
Remote clock offset: -5.031 ms

# Below is generated by plot.py at 2018-02-20 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 940.65 Mbit/s
95th percentile per-packet one-way delay: 9.025 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 582.17 Mbit/s
95th percentile per-packet one-way delay: 9.187 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.00 Mbit/s
95th percentile per-packet one-way delay: 4.402 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 300.70 Mbit/s
95th percentile per-packet one-way delay: 4.267 ms
Loss rate: 0.27%
```

Run 1: Report of TCP Cubic — Data Link

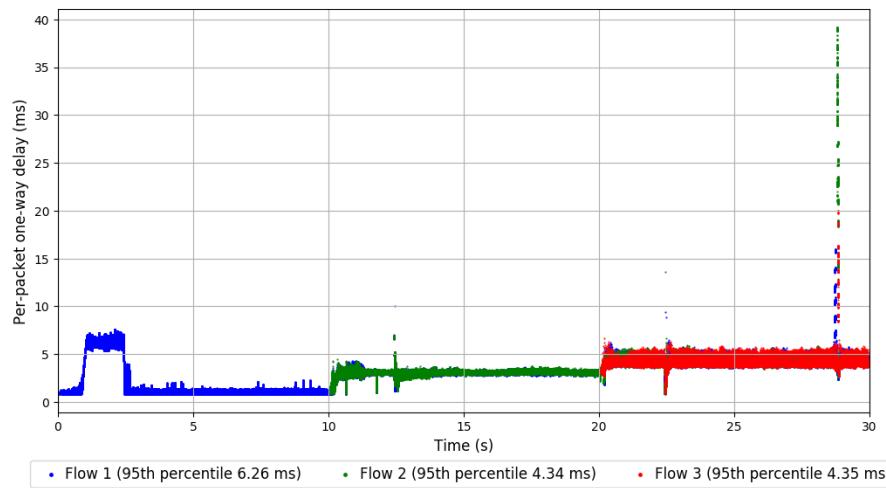
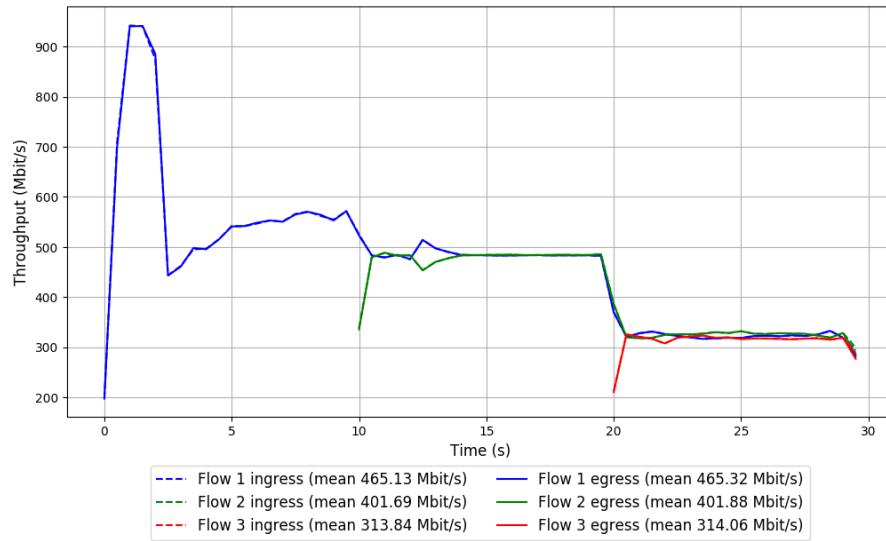


Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-20 10:27:07
End at: 2018-02-20 10:27:37
Local clock offset: 0.967 ms
Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-02-20 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 836.86 Mbit/s
95th percentile per-packet one-way delay: 5.814 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 465.32 Mbit/s
95th percentile per-packet one-way delay: 6.261 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 401.88 Mbit/s
95th percentile per-packet one-way delay: 4.341 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 314.06 Mbit/s
95th percentile per-packet one-way delay: 4.348 ms
Loss rate: 0.24%
```

Run 2: Report of TCP Cubic — Data Link

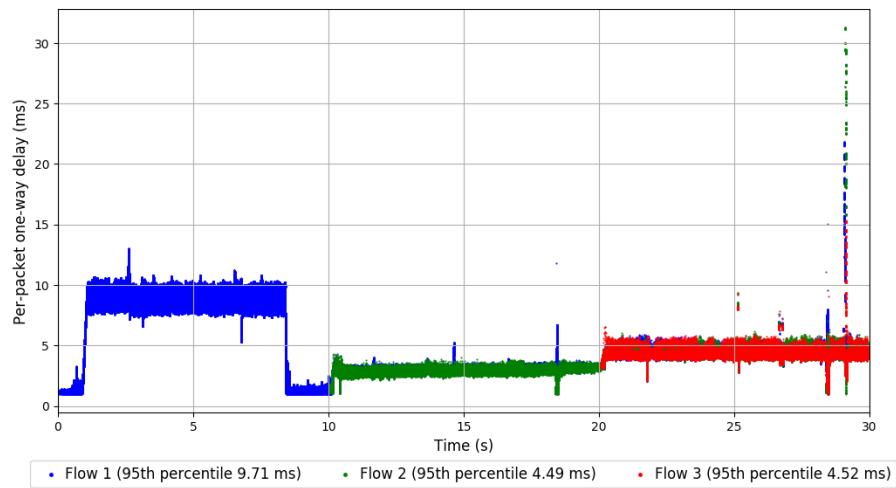
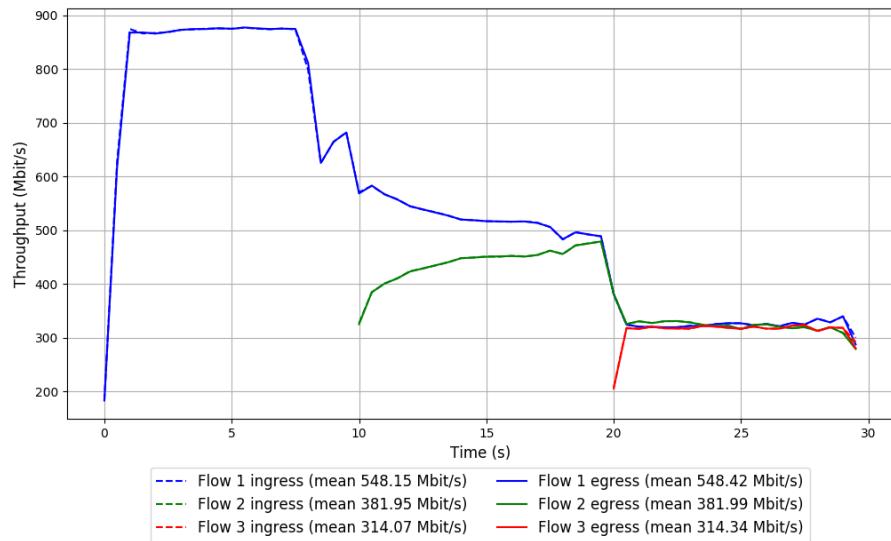


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-20 10:56:21
End at: 2018-02-20 10:56:51
Local clock offset: 0.962 ms
Remote clock offset: -6.561 ms

# Below is generated by plot.py at 2018-02-20 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 906.53 Mbit/s
95th percentile per-packet one-way delay: 9.473 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 548.42 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 381.99 Mbit/s
95th percentile per-packet one-way delay: 4.494 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.34 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.24%
```

Run 3: Report of TCP Cubic — Data Link

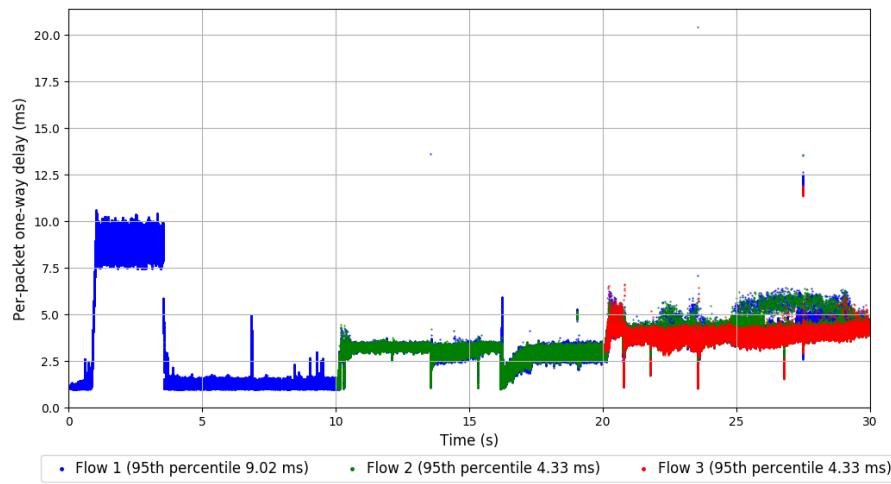
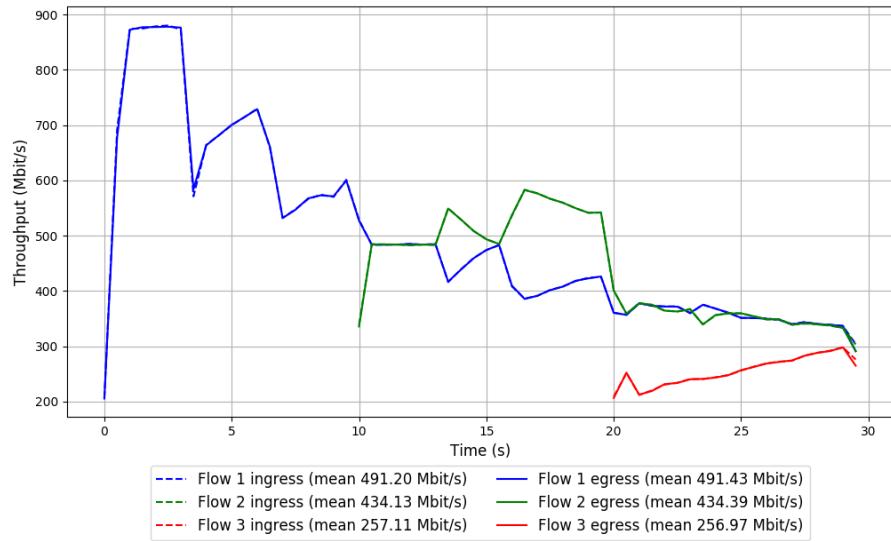


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-20 11:25:15
End at: 2018-02-20 11:25:45
Local clock offset: 0.941 ms
Remote clock offset: -5.062 ms

# Below is generated by plot.py at 2018-02-20 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 865.61 Mbit/s
95th percentile per-packet one-way delay: 8.552 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 491.43 Mbit/s
95th percentile per-packet one-way delay: 9.016 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 434.39 Mbit/s
95th percentile per-packet one-way delay: 4.332 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 256.97 Mbit/s
95th percentile per-packet one-way delay: 4.331 ms
Loss rate: 0.27%
```

Run 4: Report of TCP Cubic — Data Link

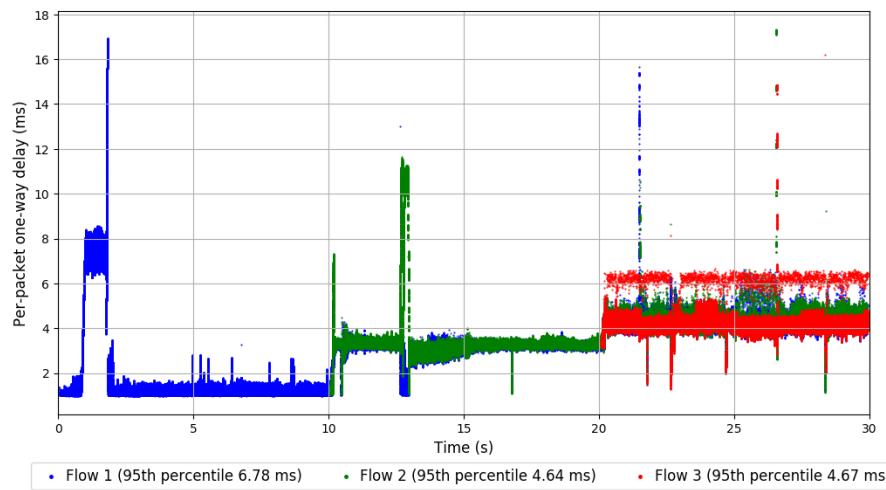
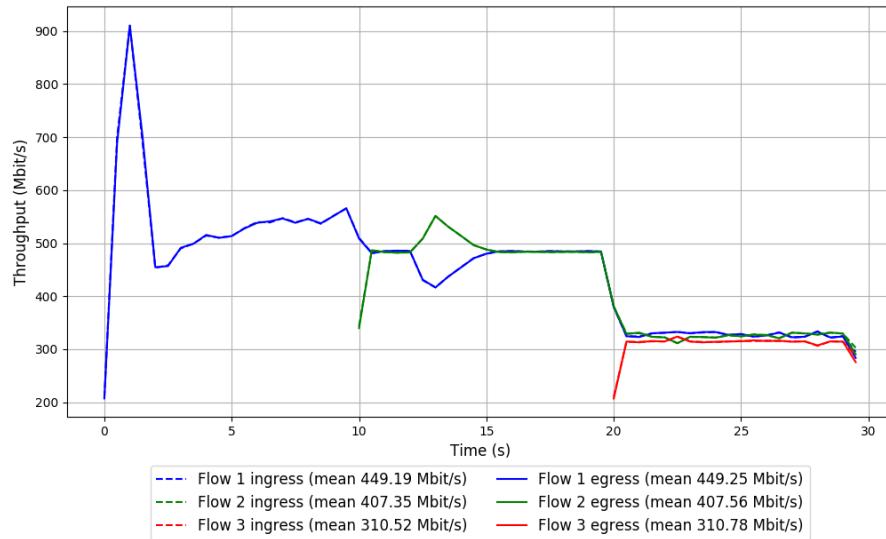


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-20 11:54:25
End at: 2018-02-20 11:54:55
Local clock offset: -0.331 ms
Remote clock offset: -4.255 ms

# Below is generated by plot.py at 2018-02-20 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 823.24 Mbit/s
95th percentile per-packet one-way delay: 4.805 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 449.25 Mbit/s
95th percentile per-packet one-way delay: 6.779 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 407.56 Mbit/s
95th percentile per-packet one-way delay: 4.637 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 310.78 Mbit/s
95th percentile per-packet one-way delay: 4.669 ms
Loss rate: 0.23%
```

Run 5: Report of TCP Cubic — Data Link

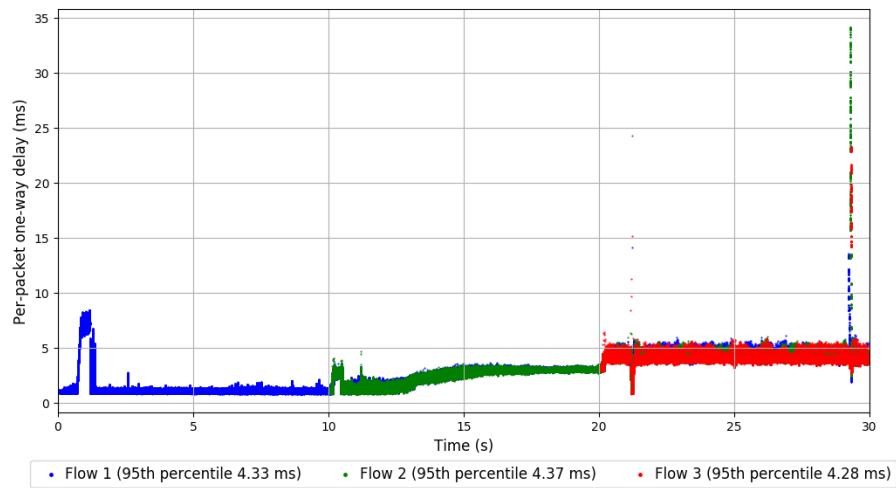
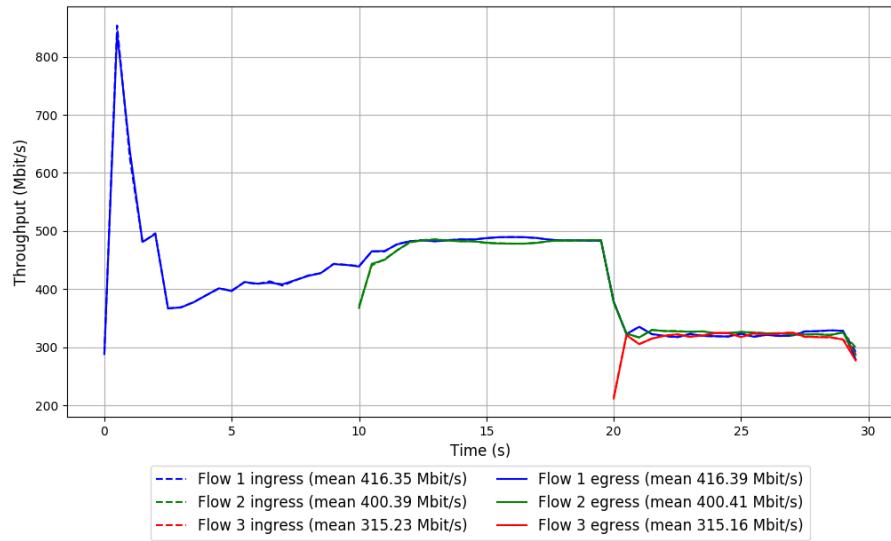


Run 6: Statistics of TCP Cubic

```
Start at: 2018-02-20 12:23:36
End at: 2018-02-20 12:24:06
Local clock offset: 0.975 ms
Remote clock offset: -4.367 ms

# Below is generated by plot.py at 2018-02-20 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 787.09 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 416.39 Mbit/s
95th percentile per-packet one-way delay: 4.334 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 400.41 Mbit/s
95th percentile per-packet one-way delay: 4.366 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.16 Mbit/s
95th percentile per-packet one-way delay: 4.283 ms
Loss rate: 0.24%
```

Run 6: Report of TCP Cubic — Data Link

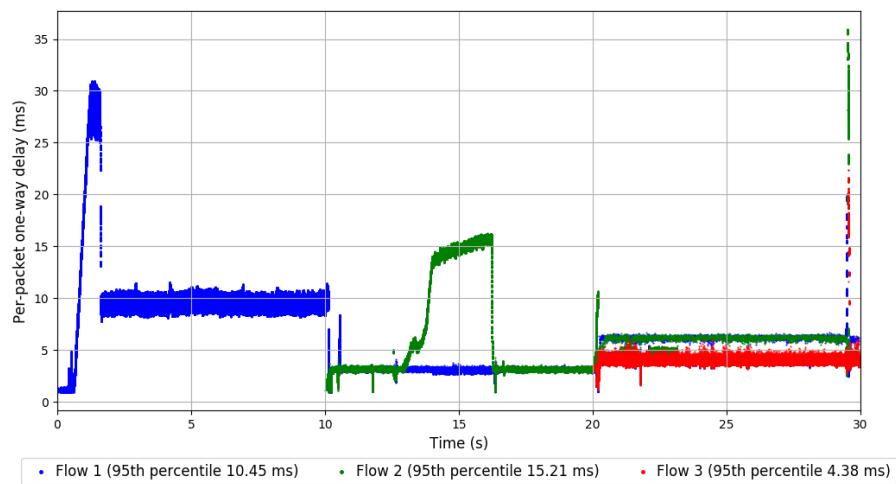
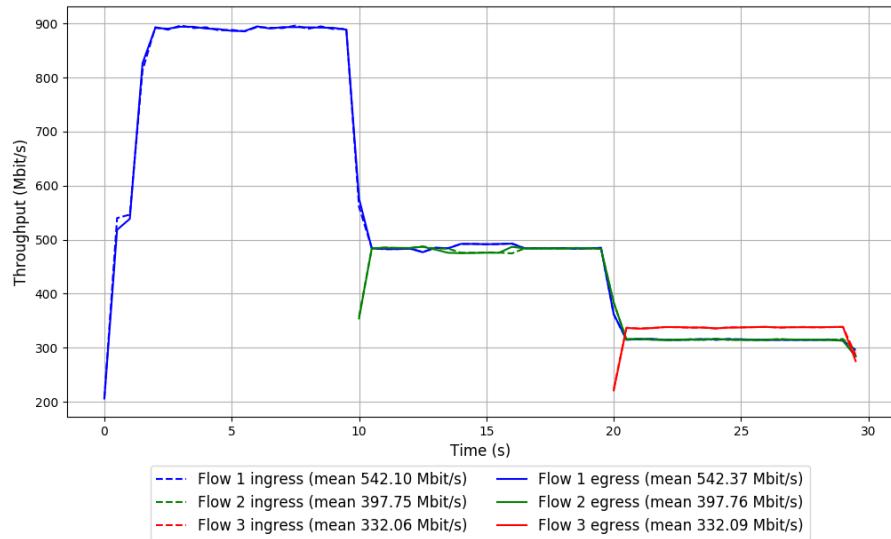


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-20 12:52:47
End at: 2018-02-20 12:53:17
Local clock offset: 1.209 ms
Remote clock offset: -5.913 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 916.96 Mbit/s
95th percentile per-packet one-way delay: 14.022 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 542.37 Mbit/s
95th percentile per-packet one-way delay: 10.450 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 397.76 Mbit/s
95th percentile per-packet one-way delay: 15.213 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 332.09 Mbit/s
95th percentile per-packet one-way delay: 4.382 ms
Loss rate: 0.21%
```

Run 7: Report of TCP Cubic — Data Link

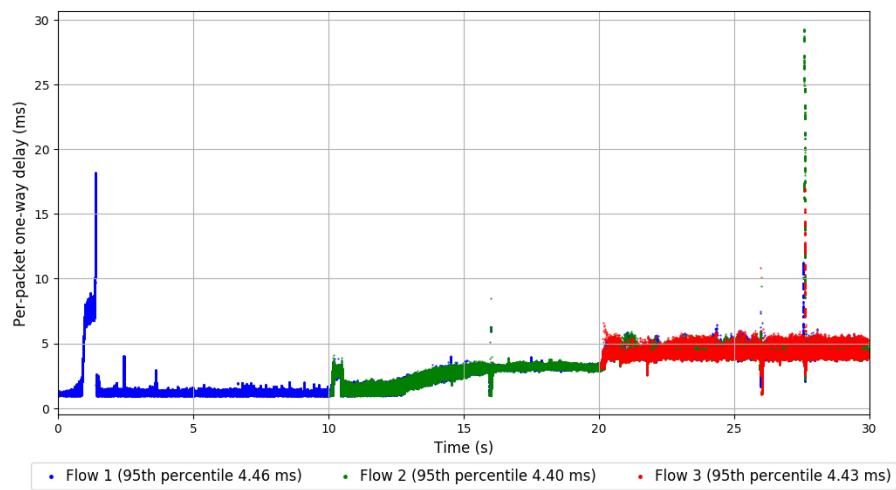
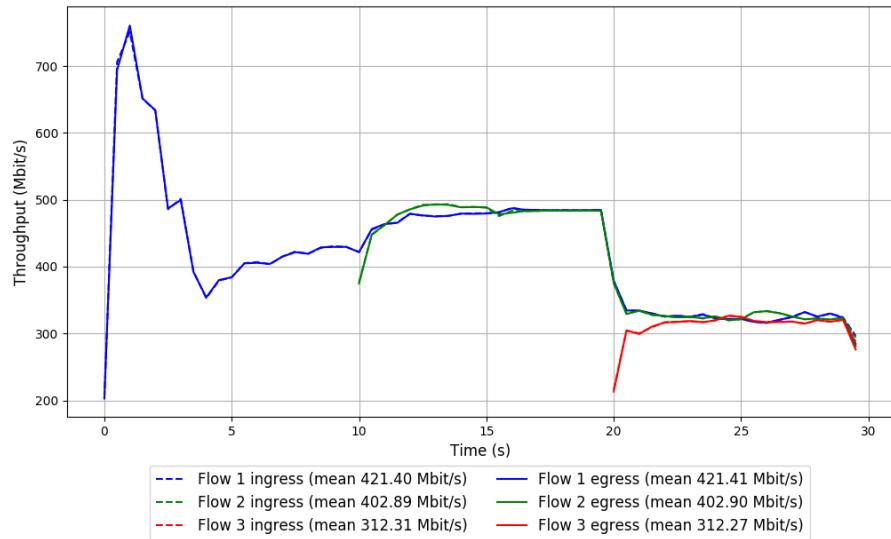


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-20 13:22:01
End at: 2018-02-20 13:22:31
Local clock offset: 1.242 ms
Remote clock offset: -7.047 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 792.95 Mbit/s
95th percentile per-packet one-way delay: 4.423 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 421.41 Mbit/s
95th percentile per-packet one-way delay: 4.455 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 402.90 Mbit/s
95th percentile per-packet one-way delay: 4.398 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.27 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.23%
```

Run 8: Report of TCP Cubic — Data Link

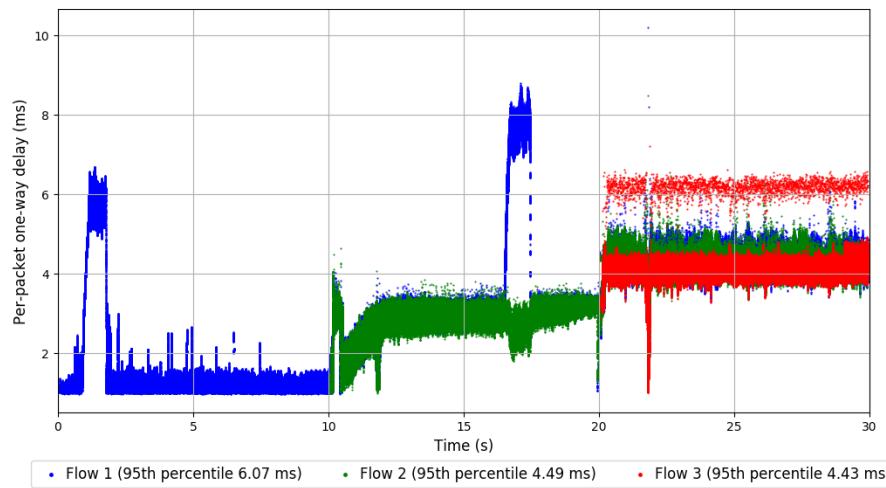
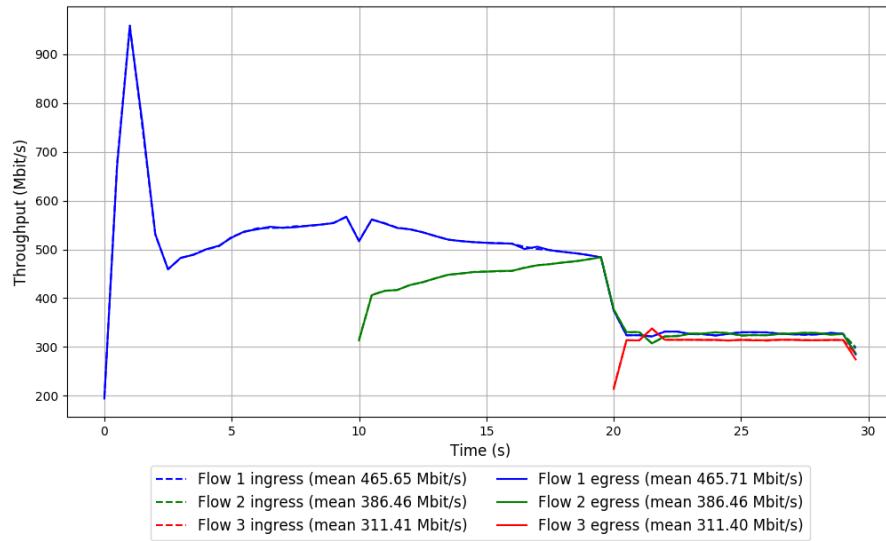


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-20 13:51:24
End at: 2018-02-20 13:51:54
Local clock offset: 1.188 ms
Remote clock offset: -6.72 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.97 Mbit/s
95th percentile per-packet one-way delay: 4.832 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 465.71 Mbit/s
95th percentile per-packet one-way delay: 6.069 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 386.46 Mbit/s
95th percentile per-packet one-way delay: 4.493 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 311.40 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.23%
```

Run 9: Report of TCP Cubic — Data Link

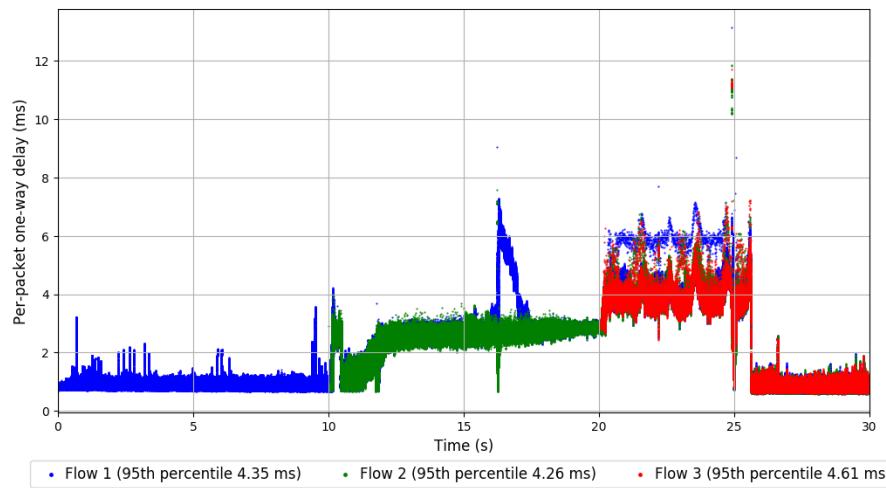
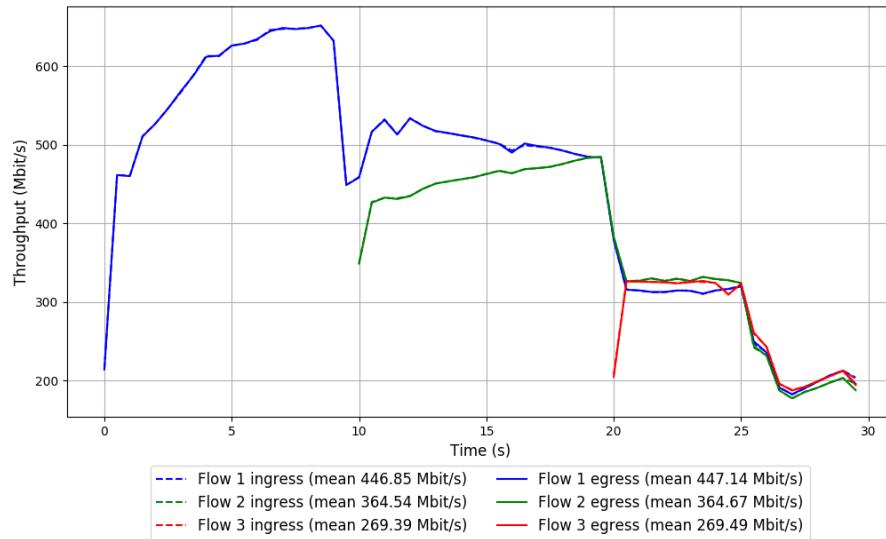


Run 10: Statistics of TCP Cubic

```
Start at: 2018-02-20 14:20:41
End at: 2018-02-20 14:21:11
Local clock offset: 1.16 ms
Remote clock offset: -6.457 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.90 Mbit/s
95th percentile per-packet one-way delay: 4.384 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 447.14 Mbit/s
95th percentile per-packet one-way delay: 4.347 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 364.67 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 269.49 Mbit/s
95th percentile per-packet one-way delay: 4.613 ms
Loss rate: 0.18%
```

Run 10: Report of TCP Cubic — Data Link

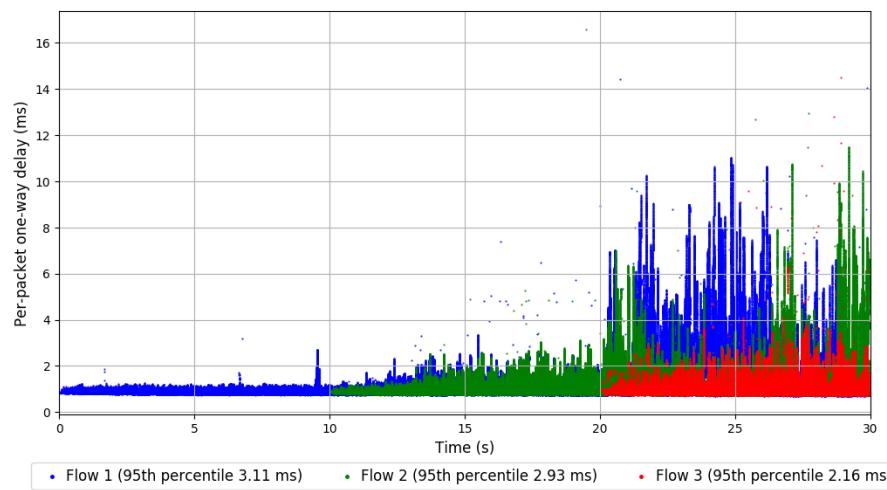
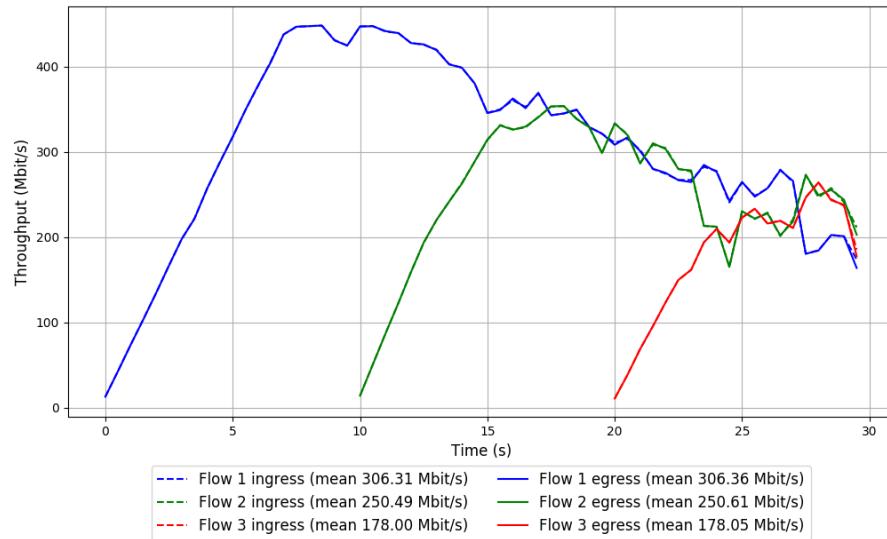


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-02-20 09:48:31
End at: 2018-02-20 09:49:01
Local clock offset: -0.775 ms
Remote clock offset: -5.181 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.81 Mbit/s
95th percentile per-packet one-way delay: 2.861 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 306.36 Mbit/s
95th percentile per-packet one-way delay: 3.109 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 250.61 Mbit/s
95th percentile per-packet one-way delay: 2.927 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 178.05 Mbit/s
95th percentile per-packet one-way delay: 2.161 ms
Loss rate: 0.22%
```

Run 1: Report of LEDBAT — Data Link

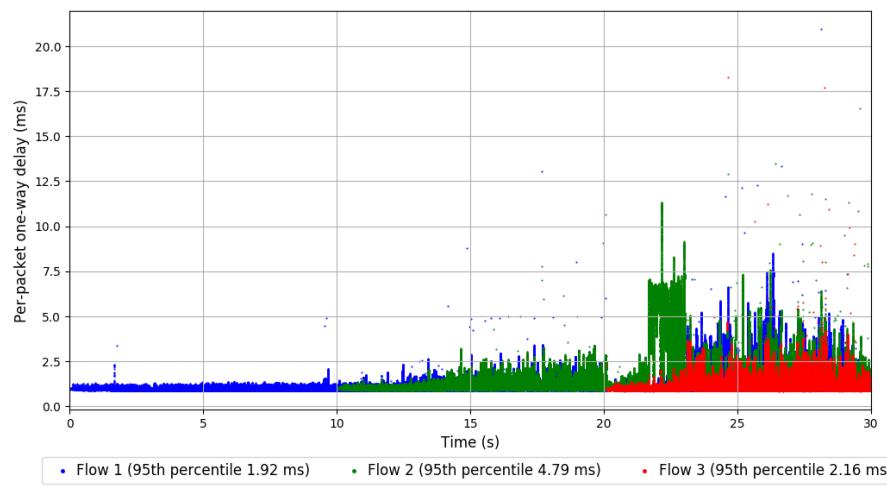
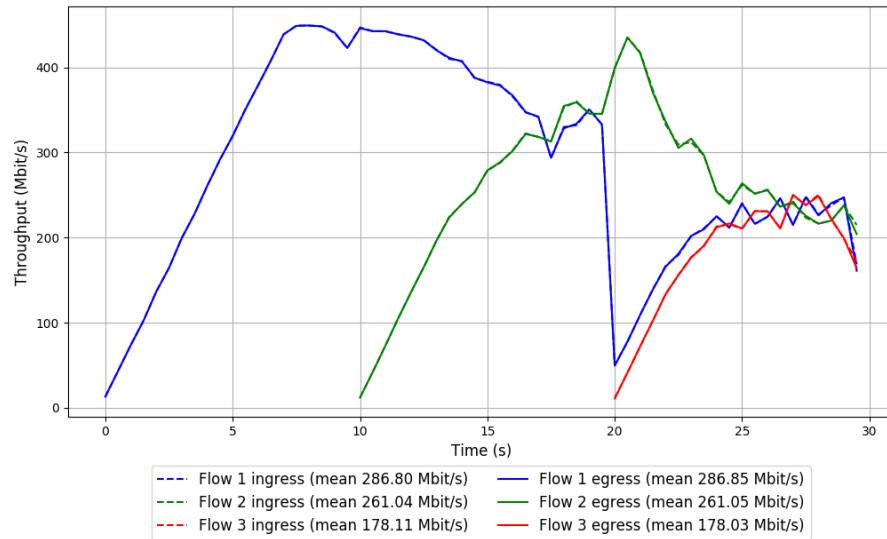


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-20 10:18:00
End at: 2018-02-20 10:18:30
Local clock offset: 1.015 ms
Remote clock offset: -6.24 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.16 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 286.85 Mbit/s
95th percentile per-packet one-way delay: 1.923 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 261.05 Mbit/s
95th percentile per-packet one-way delay: 4.789 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 2.161 ms
Loss rate: 0.25%
```

Run 2: Report of LEDBAT — Data Link

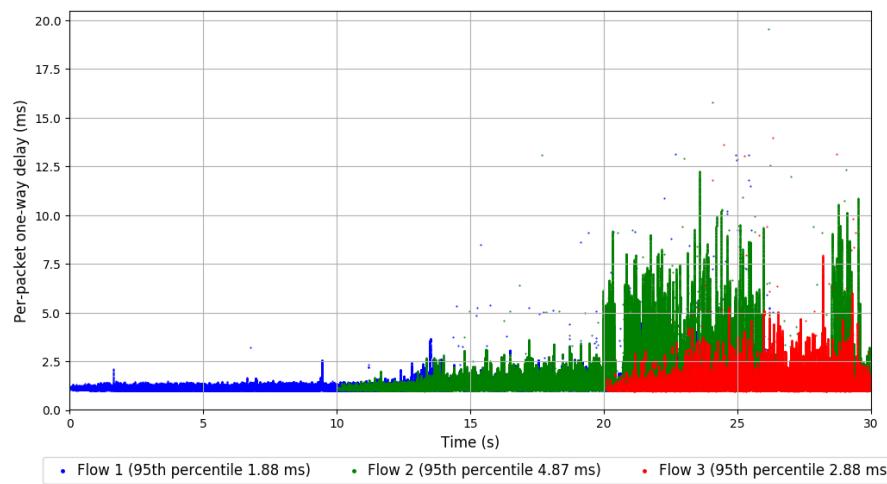
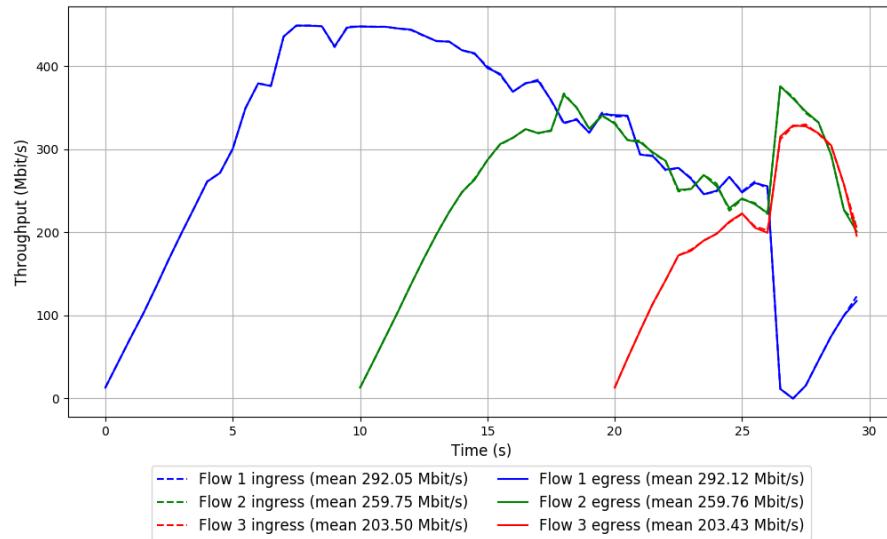


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-20 10:47:10
End at: 2018-02-20 10:47:40
Local clock offset: 0.941 ms
Remote clock offset: -6.58 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.16 Mbit/s
95th percentile per-packet one-way delay: 2.997 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 292.12 Mbit/s
95th percentile per-packet one-way delay: 1.882 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 259.76 Mbit/s
95th percentile per-packet one-way delay: 4.866 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 203.43 Mbit/s
95th percentile per-packet one-way delay: 2.880 ms
Loss rate: 0.24%
```

Run 3: Report of LEDBAT — Data Link

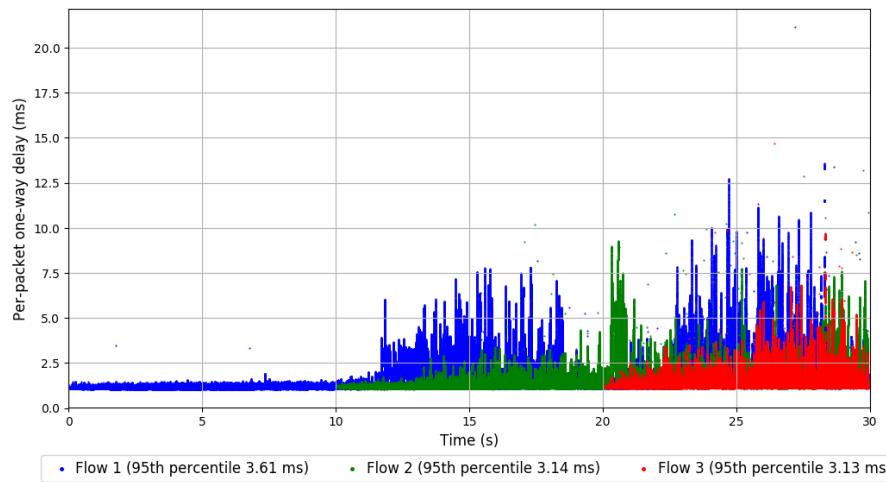
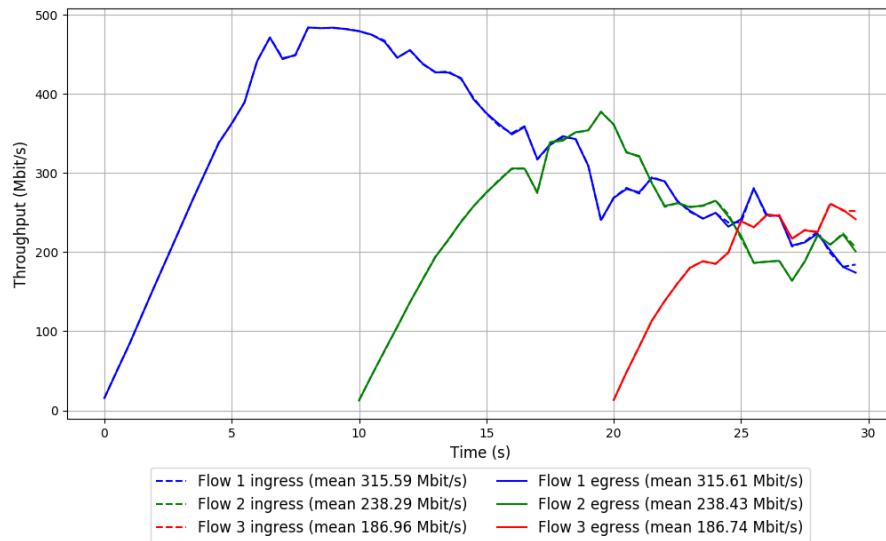


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-20 11:16:11
End at: 2018-02-20 11:16:41
Local clock offset: 0.945 ms
Remote clock offset: -5.942 ms

# Below is generated by plot.py at 2018-02-20 20:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 535.94 Mbit/s
95th percentile per-packet one-way delay: 3.427 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 315.61 Mbit/s
95th percentile per-packet one-way delay: 3.610 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 238.43 Mbit/s
95th percentile per-packet one-way delay: 3.141 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 186.74 Mbit/s
95th percentile per-packet one-way delay: 3.130 ms
Loss rate: 0.31%
```

Run 4: Report of LEDBAT — Data Link

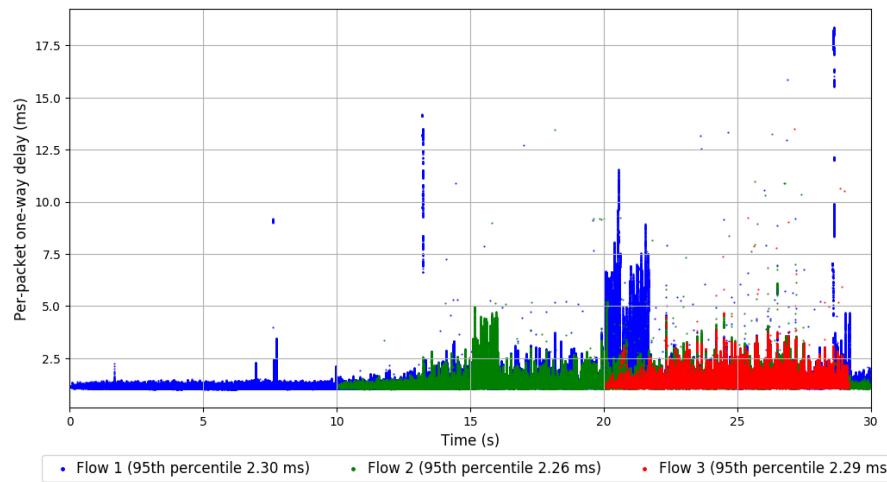
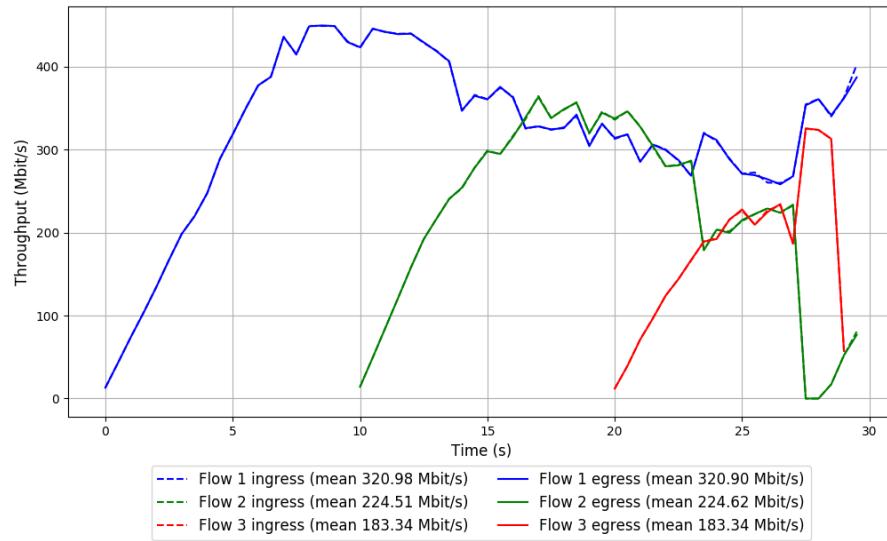


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-20 11:45:19
End at: 2018-02-20 11:45:49
Local clock offset: -0.101 ms
Remote clock offset: -4.458 ms

# Below is generated by plot.py at 2018-02-20 20:24:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 526.20 Mbit/s
95th percentile per-packet one-way delay: 2.282 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 320.90 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 224.62 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 183.34 Mbit/s
95th percentile per-packet one-way delay: 2.286 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

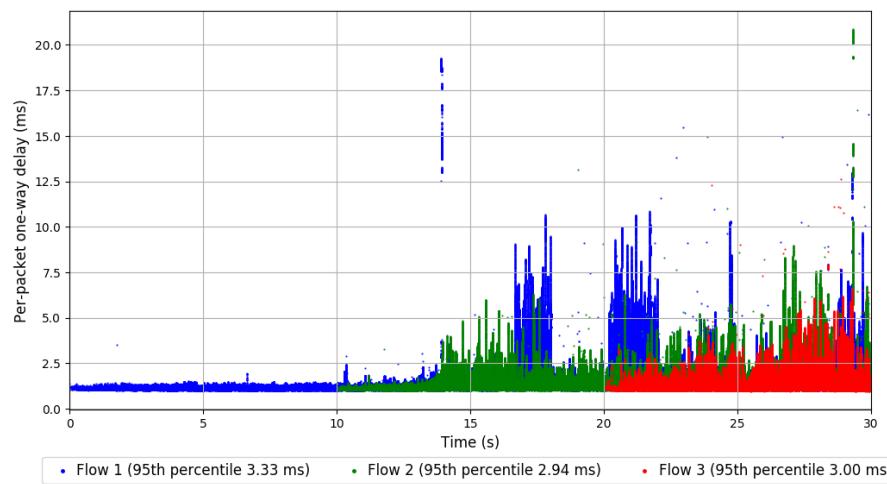
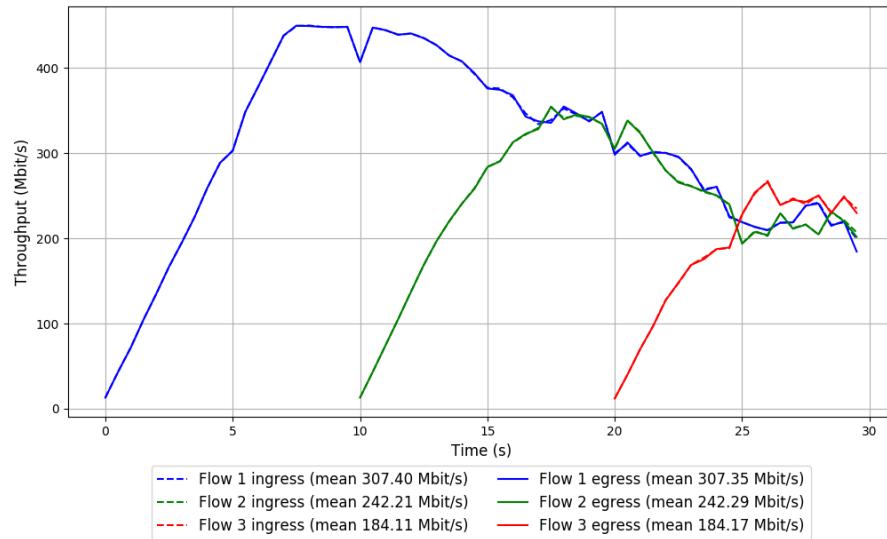


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-20 12:14:27
End at: 2018-02-20 12:14:57
Local clock offset: 0.605 ms
Remote clock offset: -3.956 ms

# Below is generated by plot.py at 2018-02-20 20:24:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.43 Mbit/s
95th percentile per-packet one-way delay: 3.117 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 307.35 Mbit/s
95th percentile per-packet one-way delay: 3.332 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 242.29 Mbit/s
95th percentile per-packet one-way delay: 2.945 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 184.17 Mbit/s
95th percentile per-packet one-way delay: 3.000 ms
Loss rate: 0.15%
```

Run 6: Report of LEDBAT — Data Link

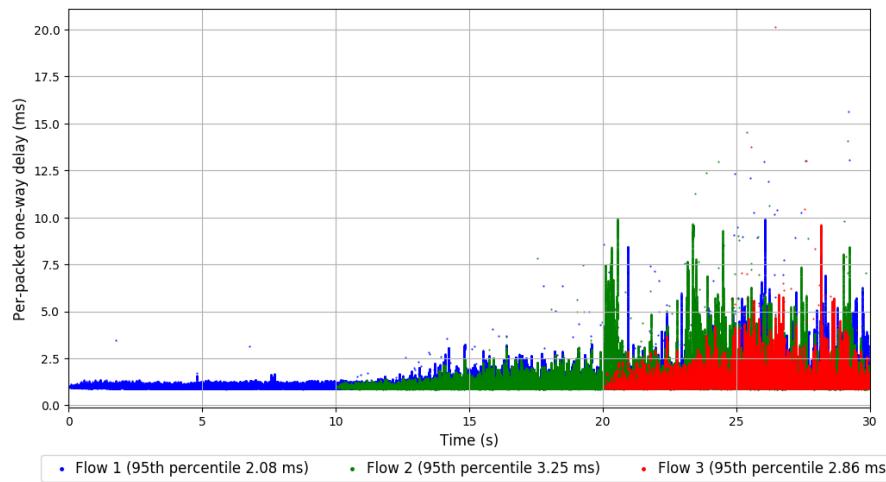
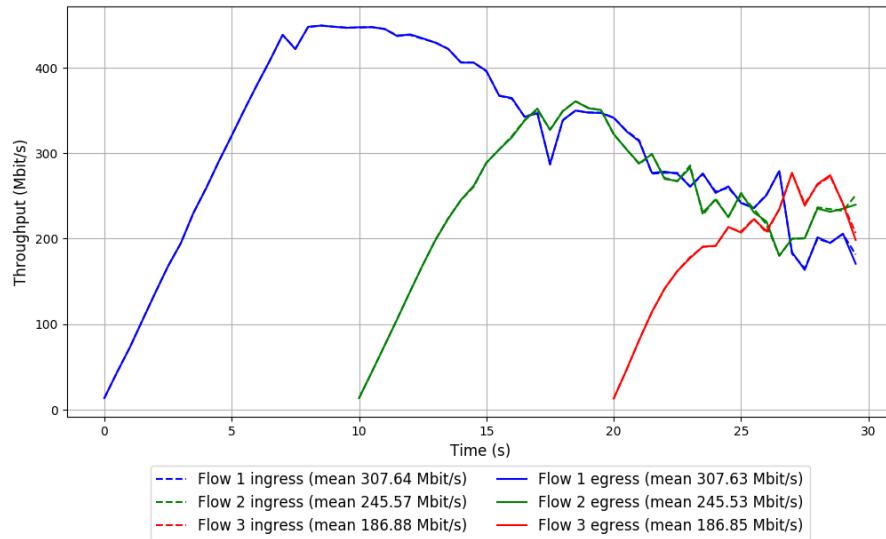


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-20 12:43:40
End at: 2018-02-20 12:44:10
Local clock offset: 1.133 ms
Remote clock offset: -5.688 ms

# Below is generated by plot.py at 2018-02-20 20:24:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.70 Mbit/s
95th percentile per-packet one-way delay: 2.525 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 307.63 Mbit/s
95th percentile per-packet one-way delay: 2.075 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 245.53 Mbit/s
95th percentile per-packet one-way delay: 3.248 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 2.863 ms
Loss rate: 0.22%
```

Run 7: Report of LEDBAT — Data Link

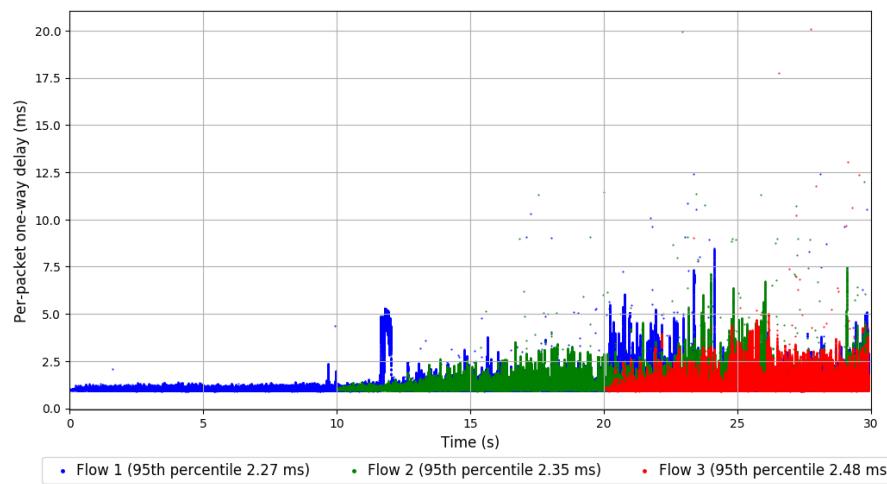
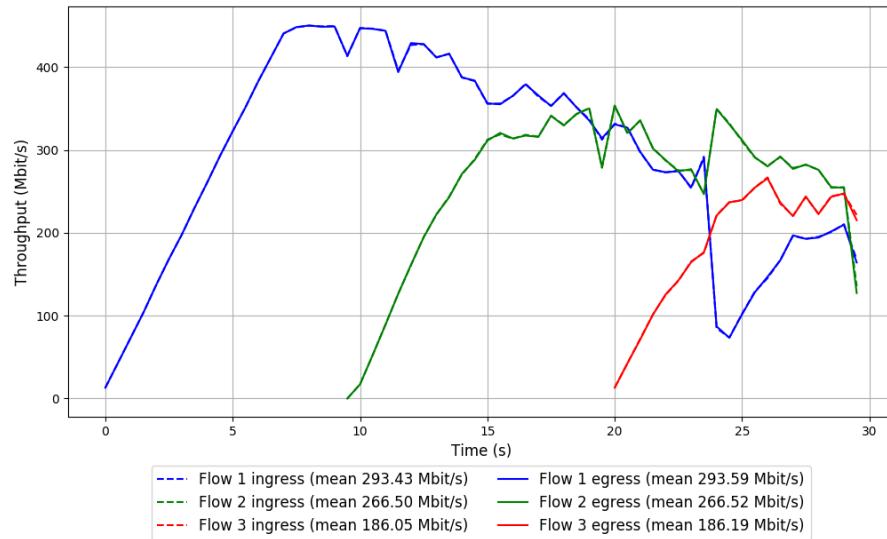


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-20 13:12:57
End at: 2018-02-20 13:13:27
Local clock offset: 1.305 ms
Remote clock offset: -6.85 ms

# Below is generated by plot.py at 2018-02-20 20:25:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.69 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 293.59 Mbit/s
95th percentile per-packet one-way delay: 2.275 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 266.52 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 186.19 Mbit/s
95th percentile per-packet one-way delay: 2.475 ms
Loss rate: 0.18%
```

Run 8: Report of LEDBAT — Data Link

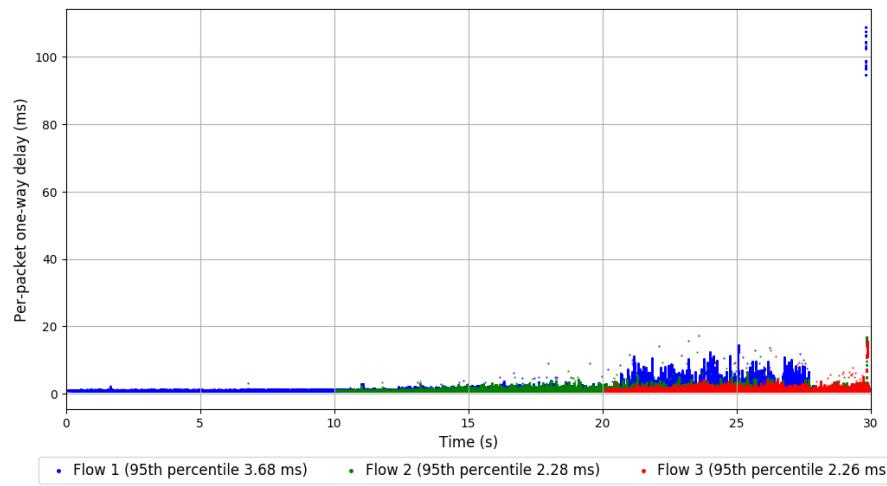
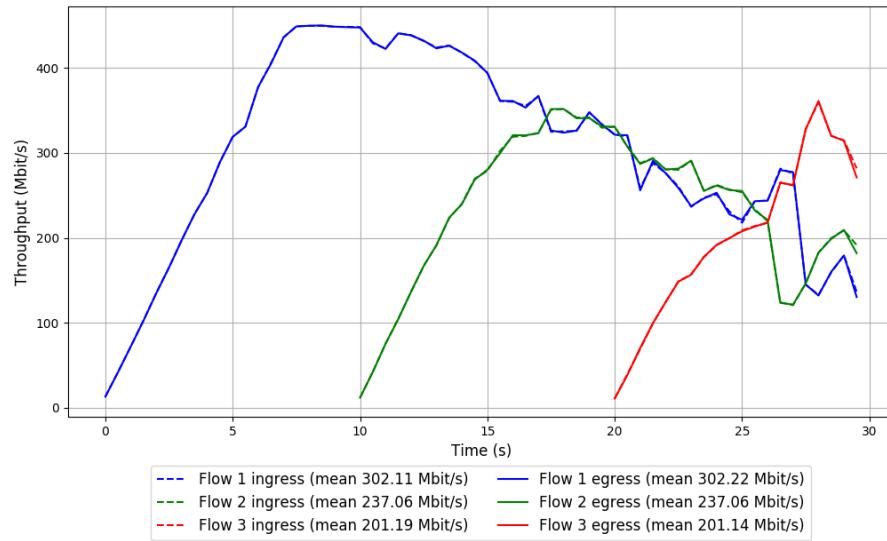


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-20 13:42:15
End at: 2018-02-20 13:42:45
Local clock offset: 1.077 ms
Remote clock offset: -6.768 ms

# Below is generated by plot.py at 2018-02-20 20:26:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 526.30 Mbit/s
95th percentile per-packet one-way delay: 2.869 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 302.22 Mbit/s
95th percentile per-packet one-way delay: 3.680 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 237.06 Mbit/s
95th percentile per-packet one-way delay: 2.280 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 201.14 Mbit/s
95th percentile per-packet one-way delay: 2.258 ms
Loss rate: 0.28%
```

Run 9: Report of LEDBAT — Data Link

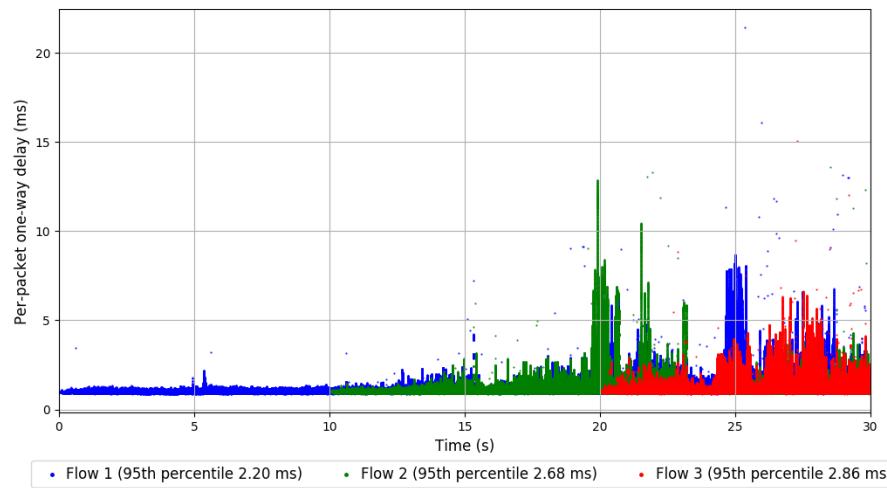
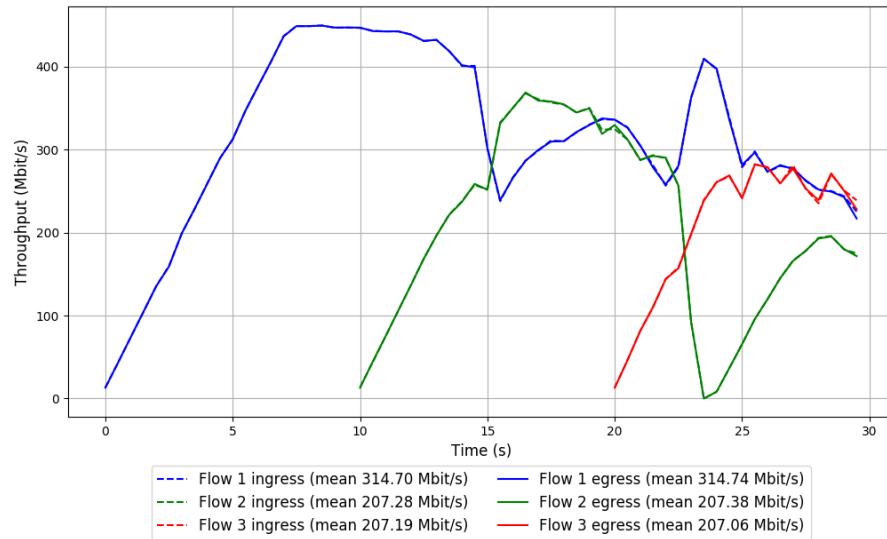


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-20 14:11:30
End at: 2018-02-20 14:12:00
Local clock offset: 1.127 ms
Remote clock offset: -6.509 ms

# Below is generated by plot.py at 2018-02-20 20:27:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 521.15 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 314.74 Mbit/s
95th percentile per-packet one-way delay: 2.201 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 207.38 Mbit/s
95th percentile per-packet one-way delay: 2.684 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 207.06 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.27%
```

Run 10: Report of LEDBAT — Data Link

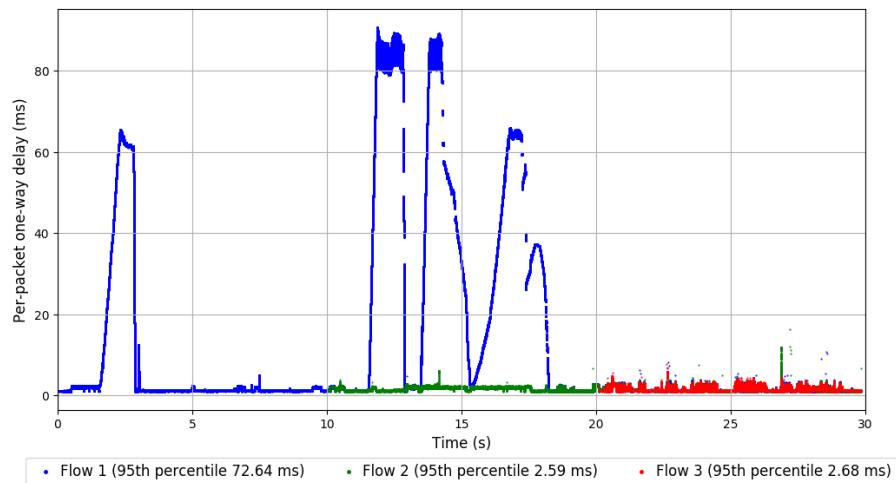
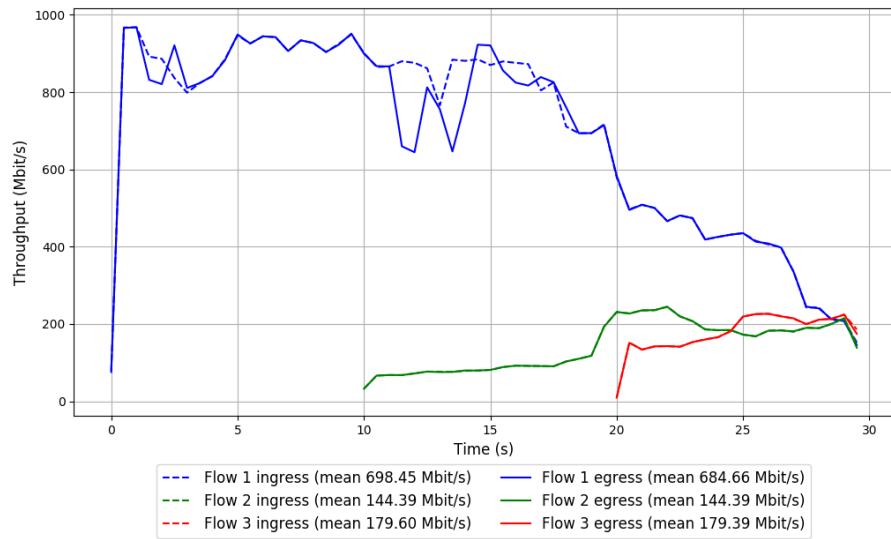


Run 1: Statistics of PCC

```
Start at: 2018-02-20 09:45:03
End at: 2018-02-20 09:45:33
Local clock offset: -0.889 ms
Remote clock offset: -5.243 ms

# Below is generated by plot.py at 2018-02-20 20:31:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 839.18 Mbit/s
95th percentile per-packet one-way delay: 64.582 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 684.66 Mbit/s
95th percentile per-packet one-way delay: 72.644 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 144.39 Mbit/s
95th percentile per-packet one-way delay: 2.594 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 179.39 Mbit/s
95th percentile per-packet one-way delay: 2.684 ms
Loss rate: 0.33%
```

Run 1: Report of PCC — Data Link

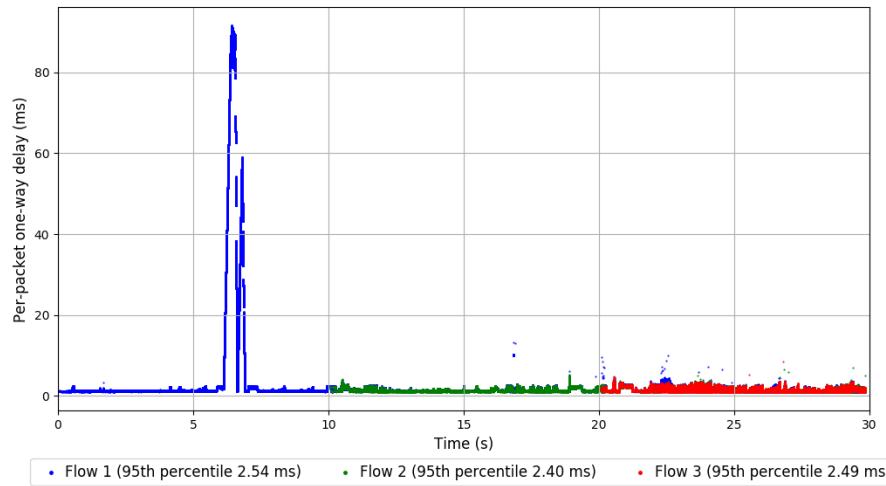
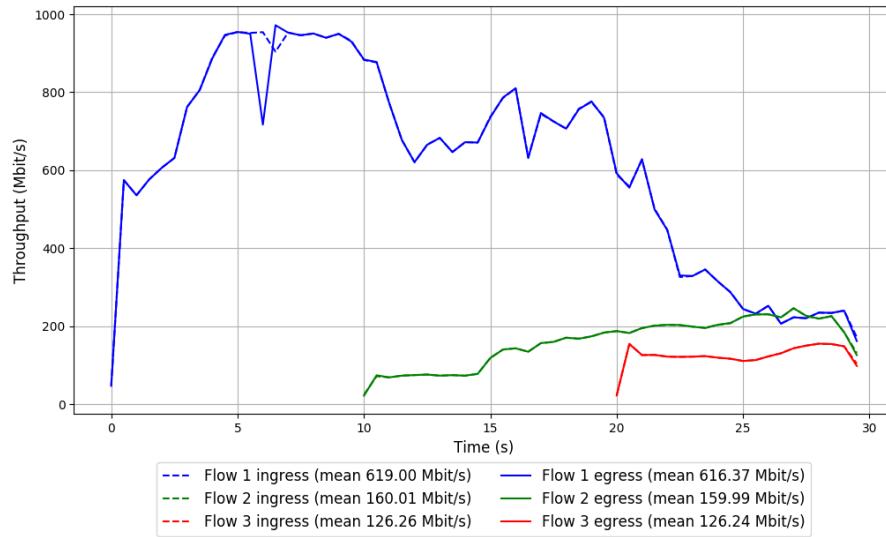


Run 2: Statistics of PCC

```
Start at: 2018-02-20 10:14:33
End at: 2018-02-20 10:15:03
Local clock offset: 1.069 ms
Remote clock offset: -6.147 ms

# Below is generated by plot.py at 2018-02-20 20:31:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 763.92 Mbit/s
95th percentile per-packet one-way delay: 2.503 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 616.37 Mbit/s
95th percentile per-packet one-way delay: 2.542 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 159.99 Mbit/s
95th percentile per-packet one-way delay: 2.397 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 126.24 Mbit/s
95th percentile per-packet one-way delay: 2.490 ms
Loss rate: 0.24%
```

Run 2: Report of PCC — Data Link

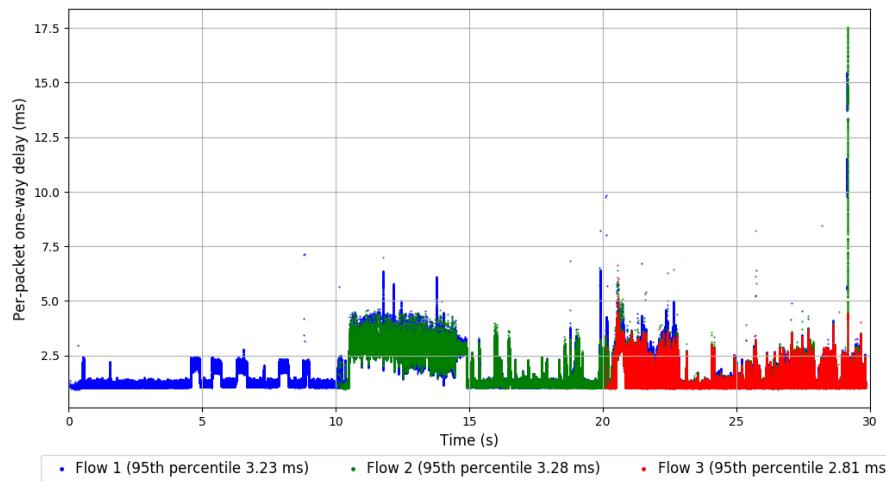
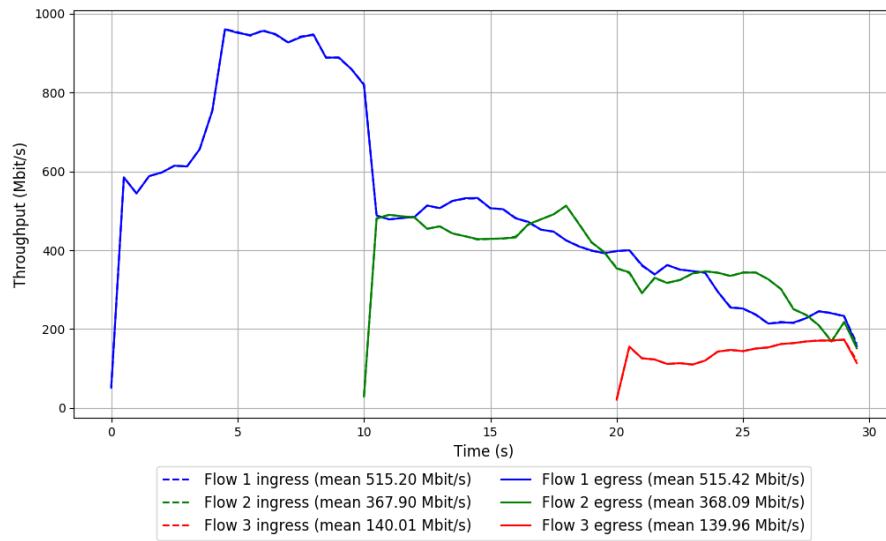


Run 3: Statistics of PCC

```
Start at: 2018-02-20 10:43:40
End at: 2018-02-20 10:44:10
Local clock offset: 0.956 ms
Remote clock offset: -6.618 ms

# Below is generated by plot.py at 2018-02-20 20:35:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 805.80 Mbit/s
95th percentile per-packet one-way delay: 3.249 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 515.42 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 368.09 Mbit/s
95th percentile per-packet one-way delay: 3.283 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 139.96 Mbit/s
95th percentile per-packet one-way delay: 2.807 ms
Loss rate: 0.24%
```

Run 3: Report of PCC — Data Link

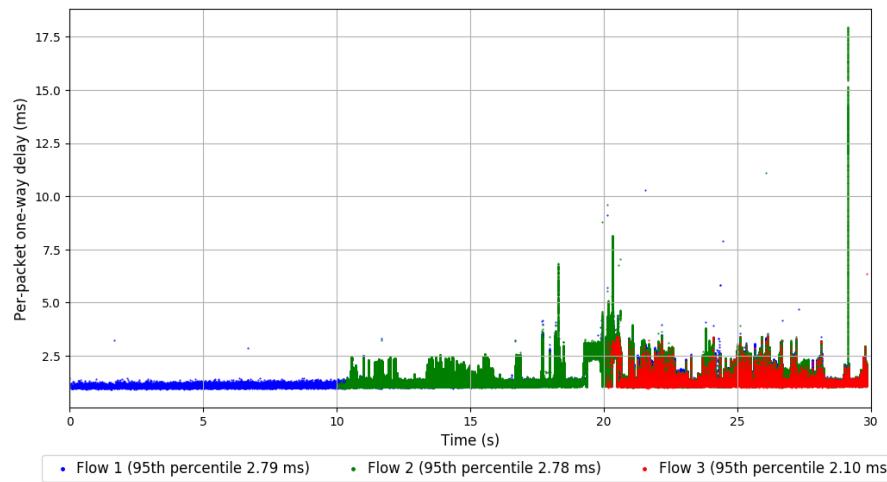
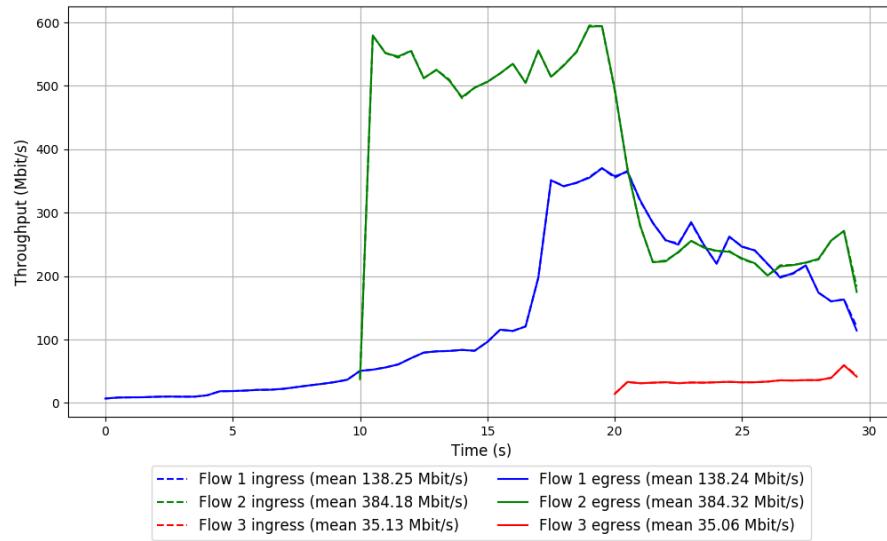


Run 4: Statistics of PCC

```
Start at: 2018-02-20 11:12:54
End at: 2018-02-20 11:13:24
Local clock offset: 0.928 ms
Remote clock offset: -6.398 ms

# Below is generated by plot.py at 2018-02-20 20:35:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.10 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 138.24 Mbit/s
95th percentile per-packet one-way delay: 2.786 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 384.32 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 2.095 ms
Loss rate: 0.35%
```

Run 4: Report of PCC — Data Link

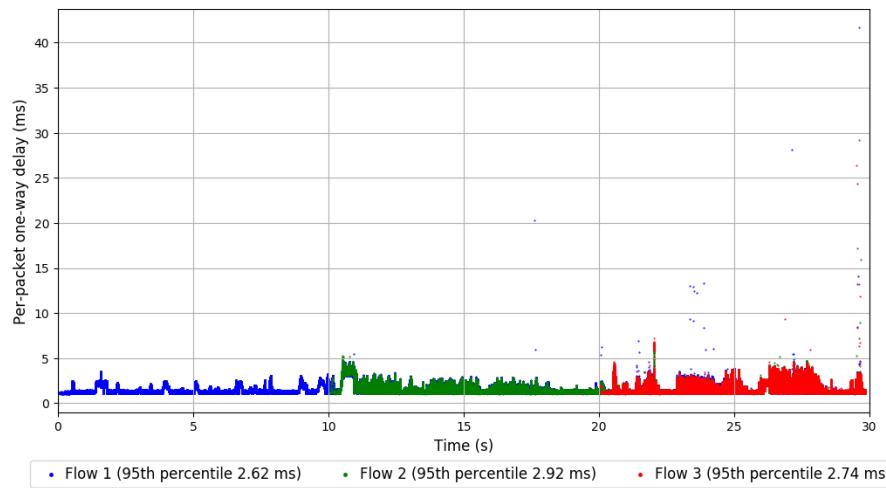
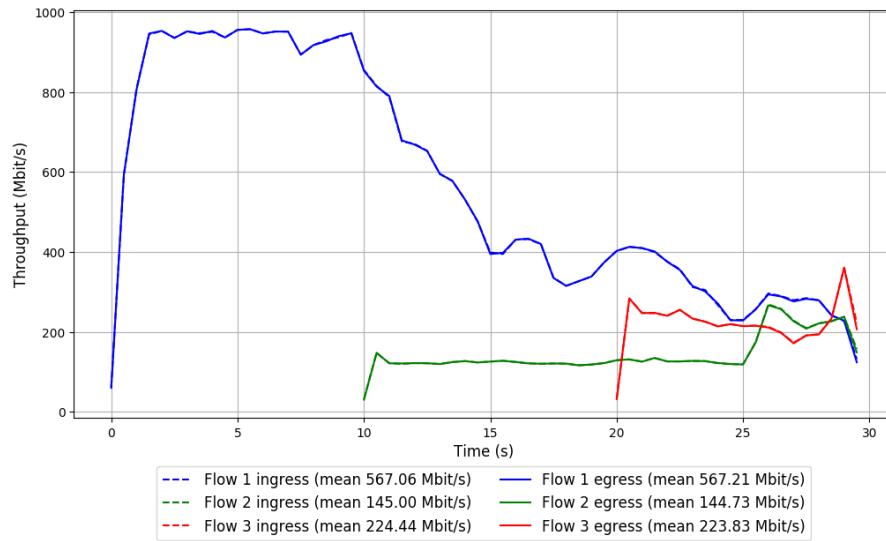


Run 5: Statistics of PCC

```
Start at: 2018-02-20 11:41:50
End at: 2018-02-20 11:42:21
Local clock offset: 0.024 ms
Remote clock offset: -4.549 ms

# Below is generated by plot.py at 2018-02-20 20:35:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.93 Mbit/s
95th percentile per-packet one-way delay: 2.663 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 567.21 Mbit/s
95th percentile per-packet one-way delay: 2.619 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 144.73 Mbit/s
95th percentile per-packet one-way delay: 2.916 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 223.83 Mbit/s
95th percentile per-packet one-way delay: 2.740 ms
Loss rate: 0.47%
```

Run 5: Report of PCC — Data Link

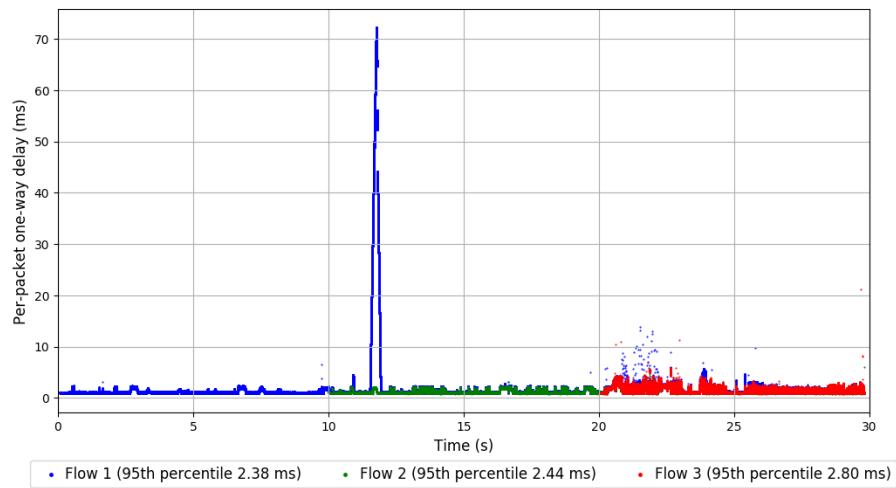
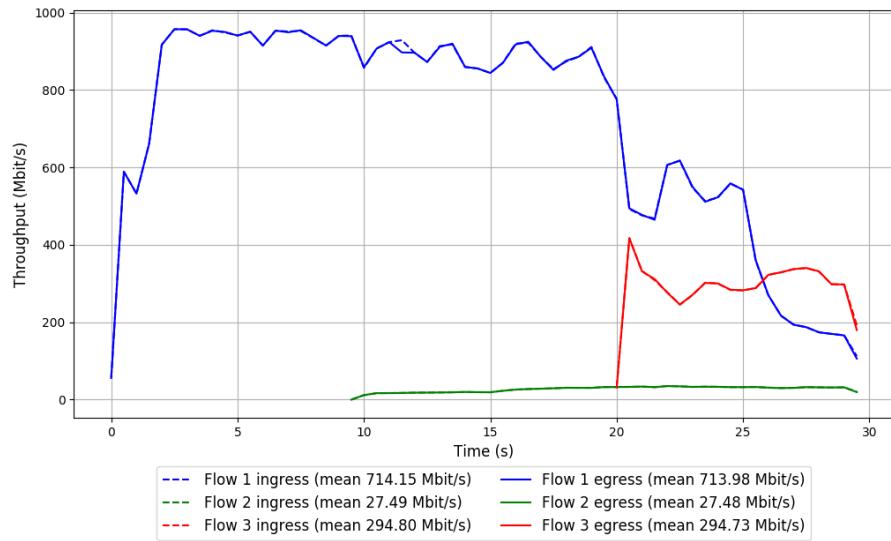


Run 6: Statistics of PCC

```
Start at: 2018-02-20 12:10:58
End at: 2018-02-20 12:11:28
Local clock offset: 0.235 ms
Remote clock offset: -4.007 ms

# Below is generated by plot.py at 2018-02-20 20:37:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 828.99 Mbit/s
95th percentile per-packet one-way delay: 2.492 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 713.98 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 2.444 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 294.73 Mbit/s
95th percentile per-packet one-way delay: 2.798 ms
Loss rate: 0.22%
```

Run 6: Report of PCC — Data Link

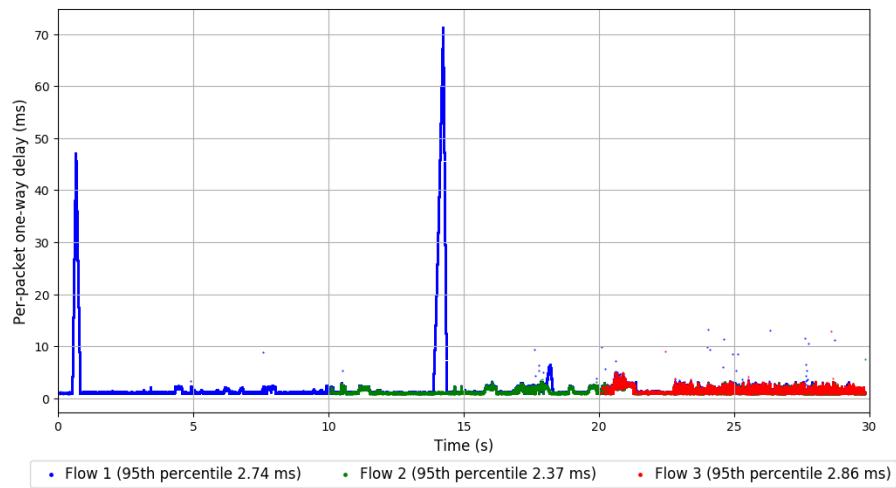
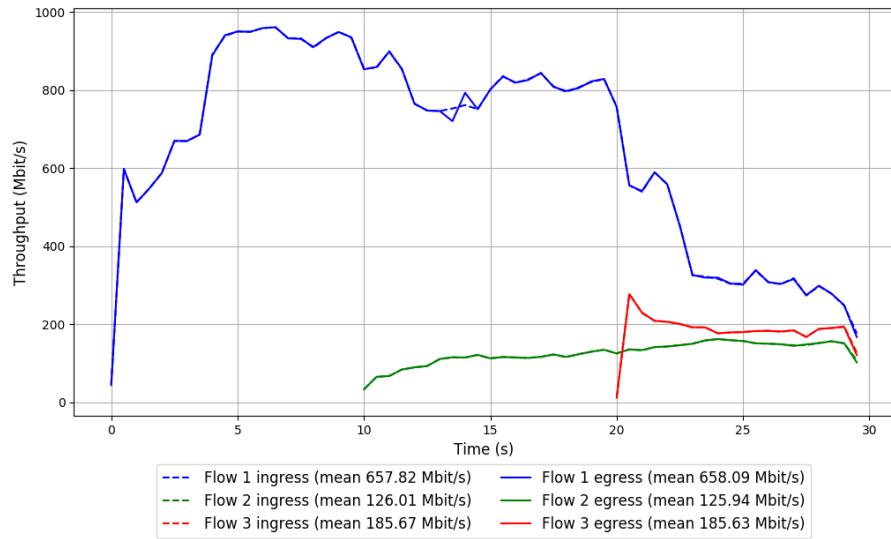


Run 7: Statistics of PCC

```
Start at: 2018-02-20 12:40:10
End at: 2018-02-20 12:40:40
Local clock offset: 1.226 ms
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2018-02-20 20:38:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.59 Mbit/s
95th percentile per-packet one-way delay: 2.724 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 658.09 Mbit/s
95th percentile per-packet one-way delay: 2.742 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 125.94 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 185.63 Mbit/s
95th percentile per-packet one-way delay: 2.859 ms
Loss rate: 0.22%
```

Run 7: Report of PCC — Data Link

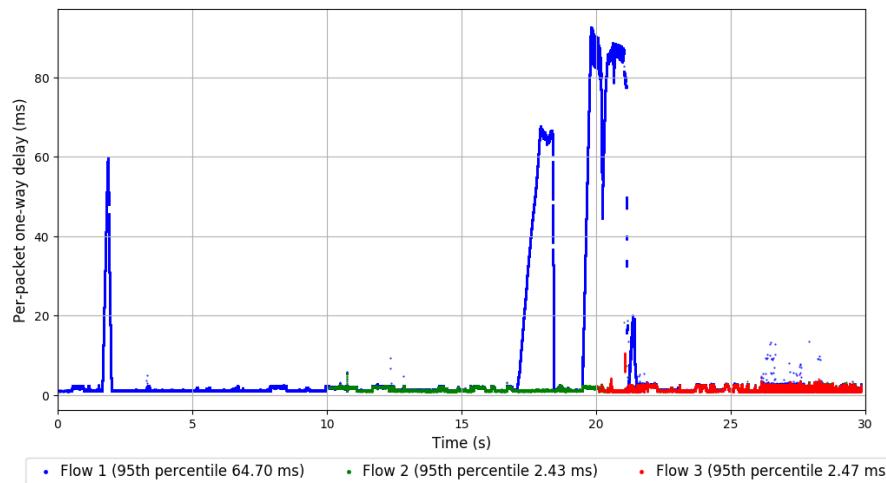
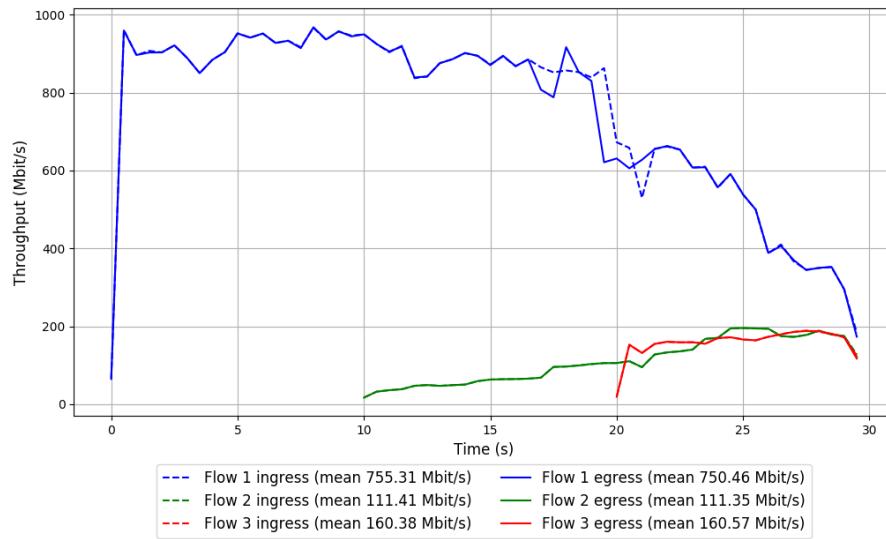


Run 8: Statistics of PCC

```
Start at: 2018-02-20 13:09:26
End at: 2018-02-20 13:09:56
Local clock offset: 1.389 ms
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2018-02-20 20:40:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 877.07 Mbit/s
95th percentile per-packet one-way delay: 58.461 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 750.46 Mbit/s
95th percentile per-packet one-way delay: 64.697 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 111.35 Mbit/s
95th percentile per-packet one-way delay: 2.426 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 160.57 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.25%
```

Run 8: Report of PCC — Data Link

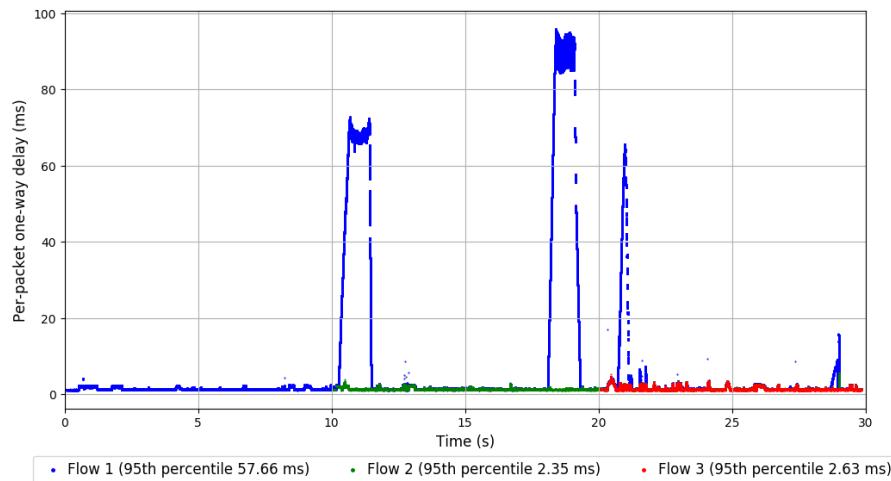
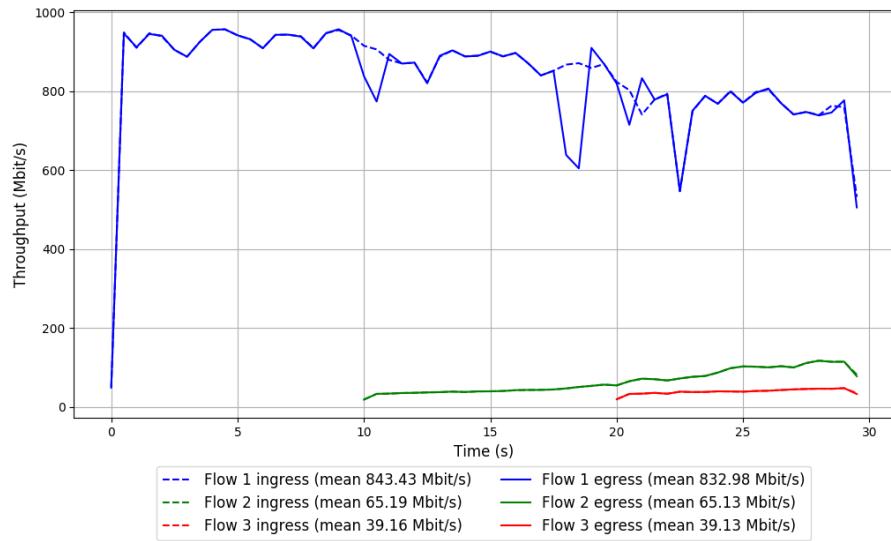


Run 9: Statistics of PCC

```
Start at: 2018-02-20 13:38:44
End at: 2018-02-20 13:39:14
Local clock offset: 1.174 ms
Remote clock offset: -6.809 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 889.08 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 832.98 Mbit/s
95th percentile per-packet one-way delay: 57.661 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 2.632 ms
Loss rate: 0.27%
```

Run 9: Report of PCC — Data Link

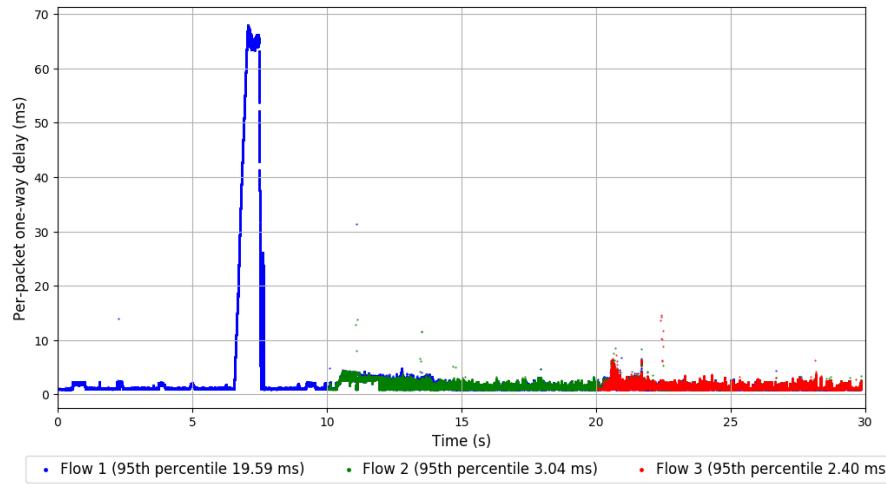
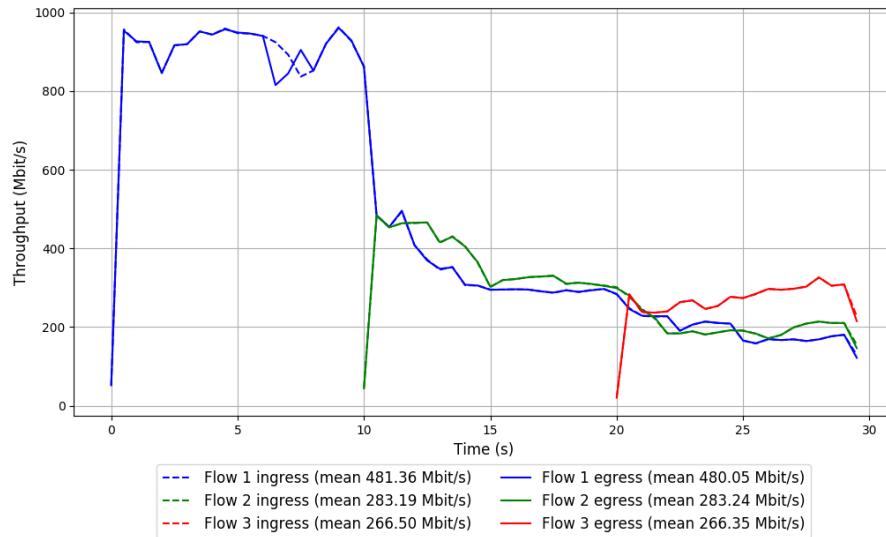


Run 10: Statistics of PCC

```
Start at: 2018-02-20 14:08:04
End at: 2018-02-20 14:08:34
Local clock offset: 1.127 ms
Remote clock offset: -6.633 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 755.78 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 480.05 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 283.24 Mbit/s
95th percentile per-packet one-way delay: 3.035 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 266.35 Mbit/s
95th percentile per-packet one-way delay: 2.397 ms
Loss rate: 0.26%
```

Run 10: Report of PCC — Data Link

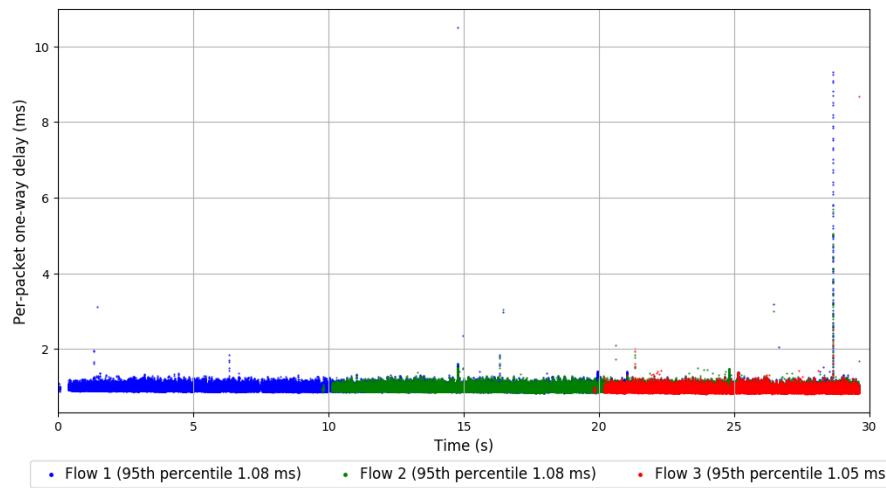
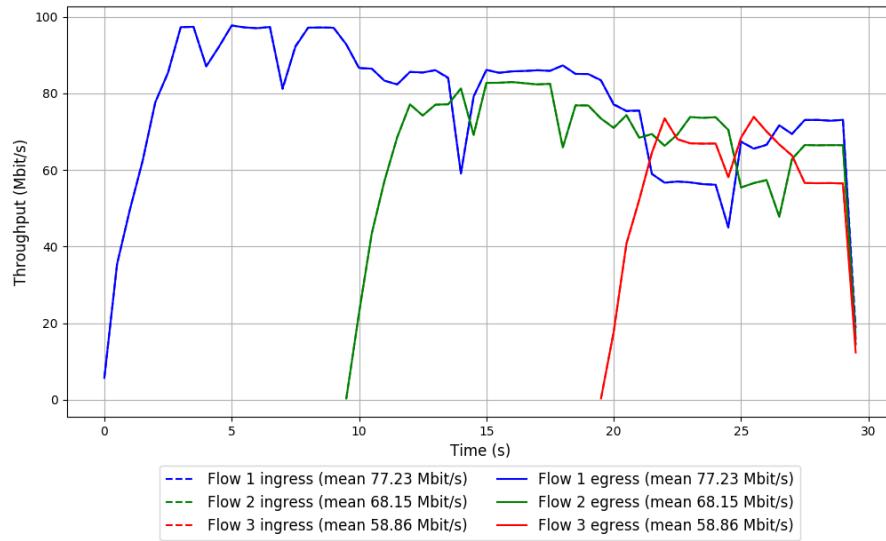


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 10:08:05
End at: 2018-02-20 10:08:35
Local clock offset: 0.859 ms
Remote clock offset: -5.669 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.23 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.20%
```

Run 1: Report of QUIC Cubic — Data Link

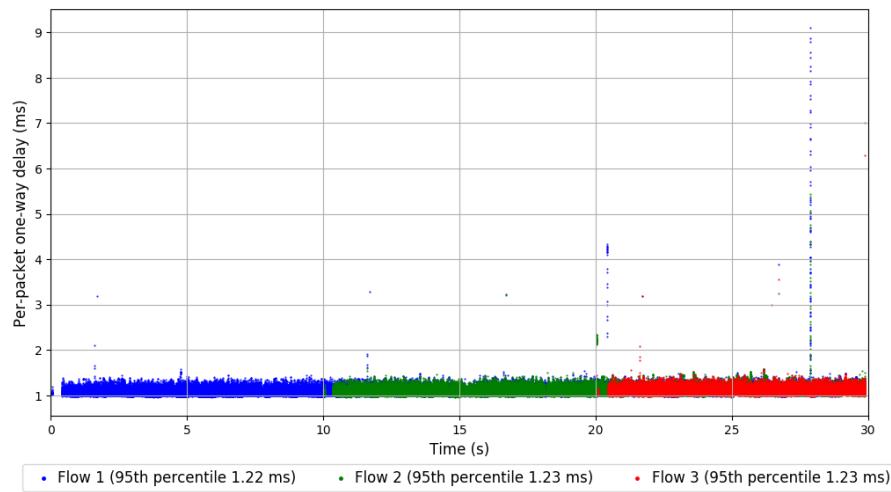
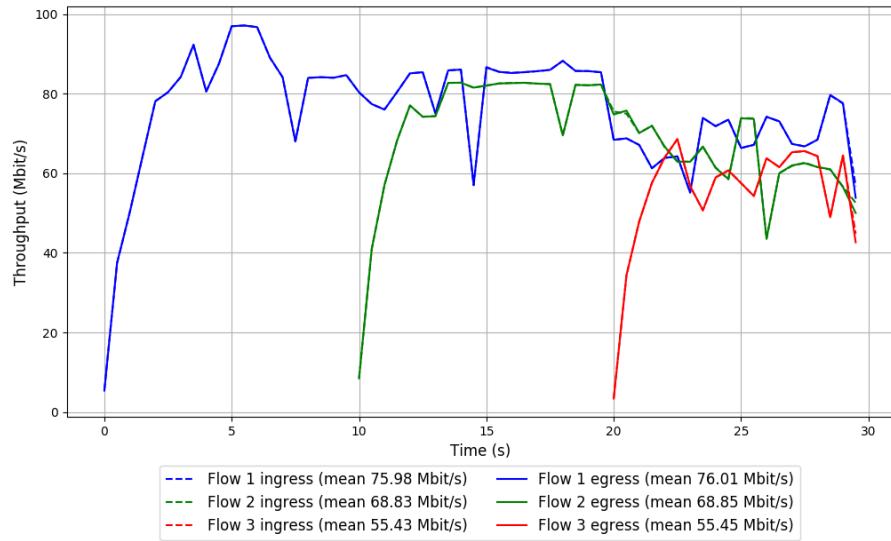


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-20 10:37:16
End at: 2018-02-20 10:37:46
Local clock offset: 0.994 ms
Remote clock offset: -6.647 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.04 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.21%
```

Run 2: Report of QUIC Cubic — Data Link

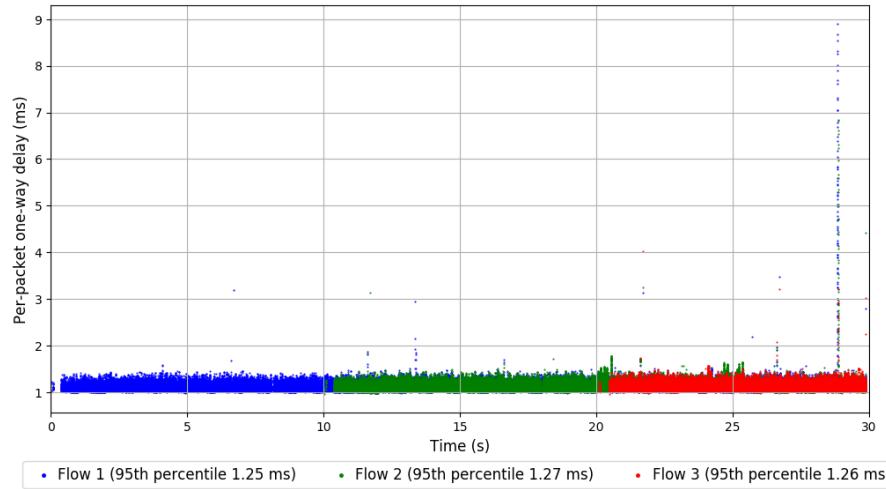
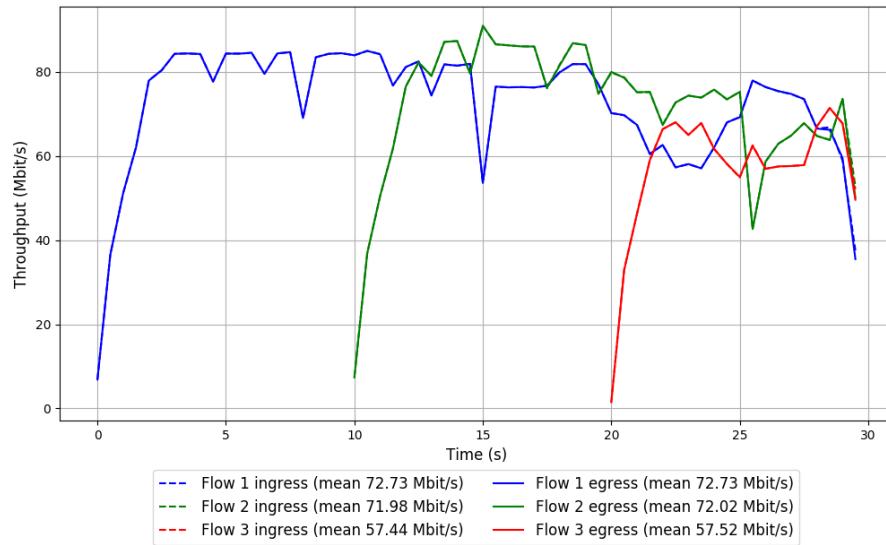


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-20 11:06:29
End at: 2018-02-20 11:06:59
Local clock offset: 0.957 ms
Remote clock offset: -6.666 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.52 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.24%
```

Run 3: Report of QUIC Cubic — Data Link

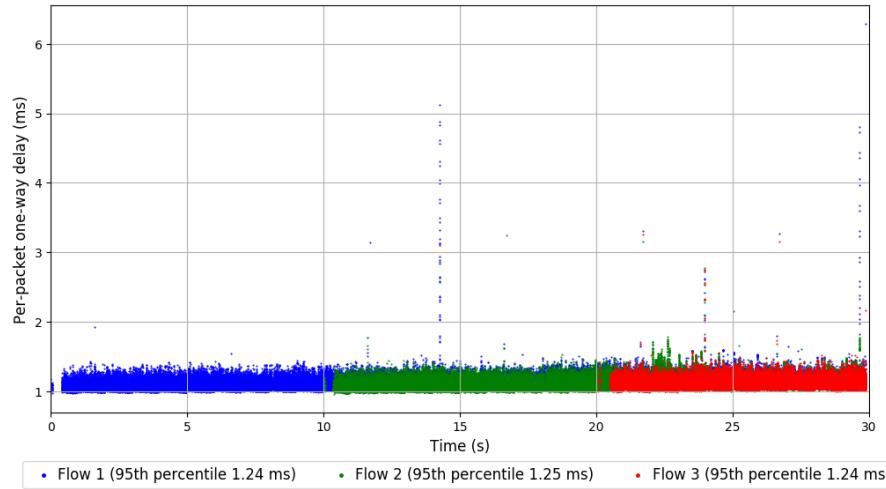
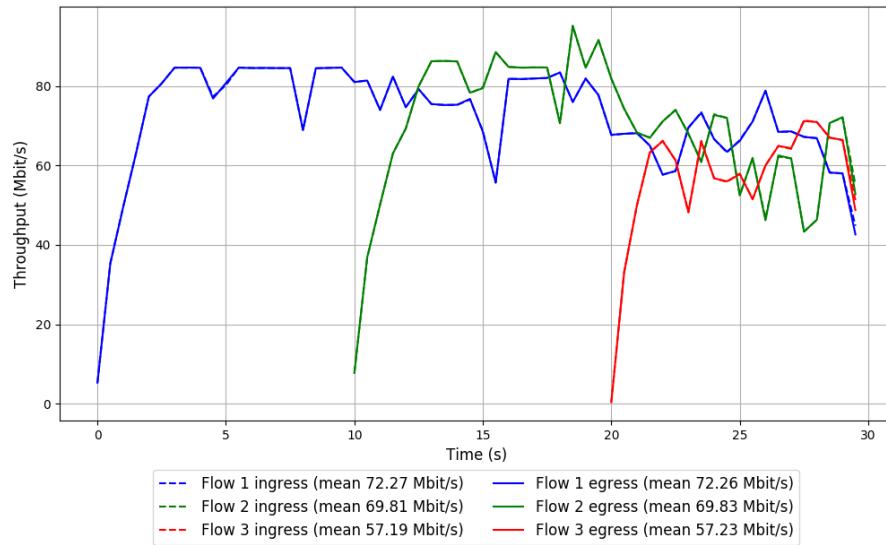


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-20 11:35:23
End at: 2018-02-20 11:35:53
Local clock offset: 0.312 ms
Remote clock offset: -4.722 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.49 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.26 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.23%
```

Run 4: Report of QUIC Cubic — Data Link

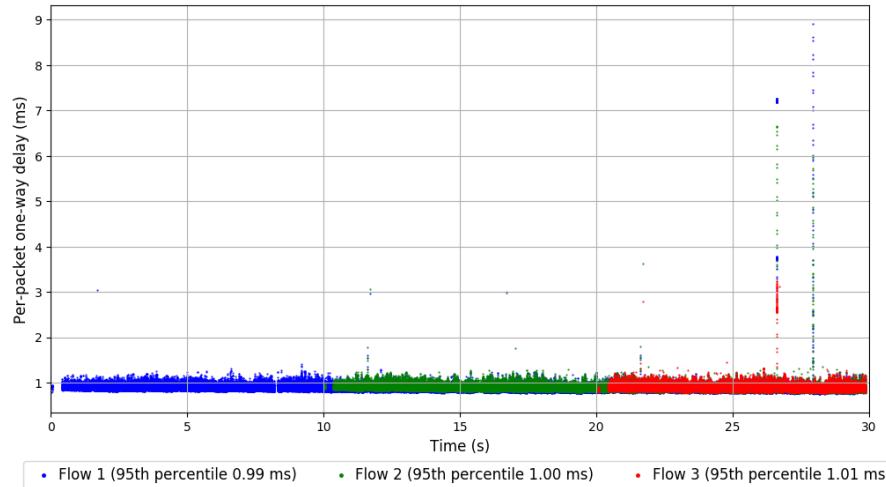
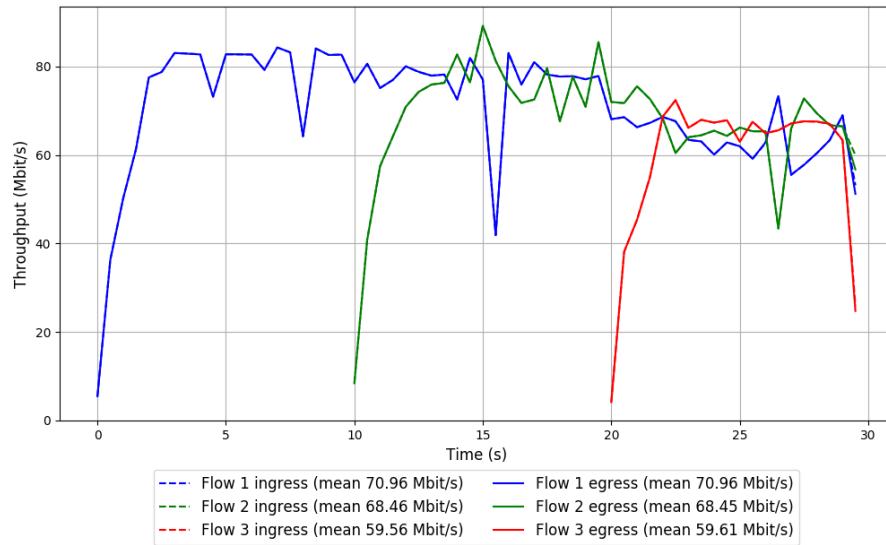


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-20 12:04:31
End at: 2018-02-20 12:05:01
Local clock offset: -0.561 ms
Remote clock offset: -4.121 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.07 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.96 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 68.45 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.12%
```

Run 5: Report of QUIC Cubic — Data Link

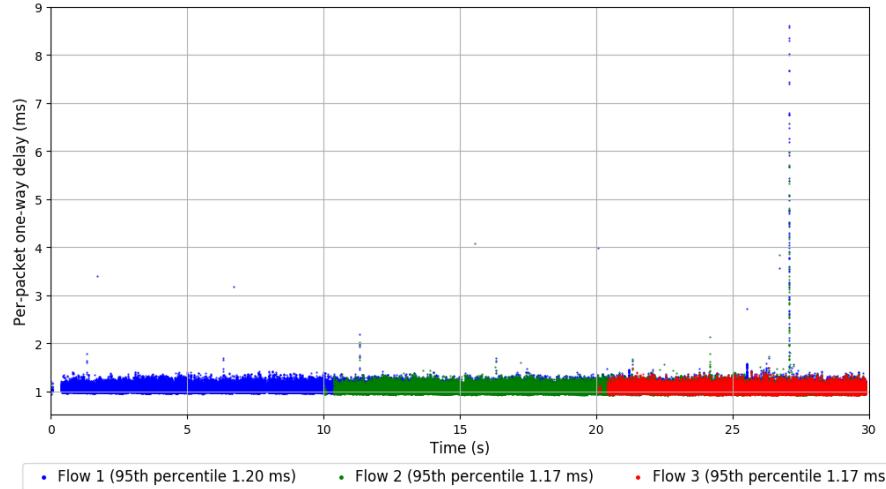
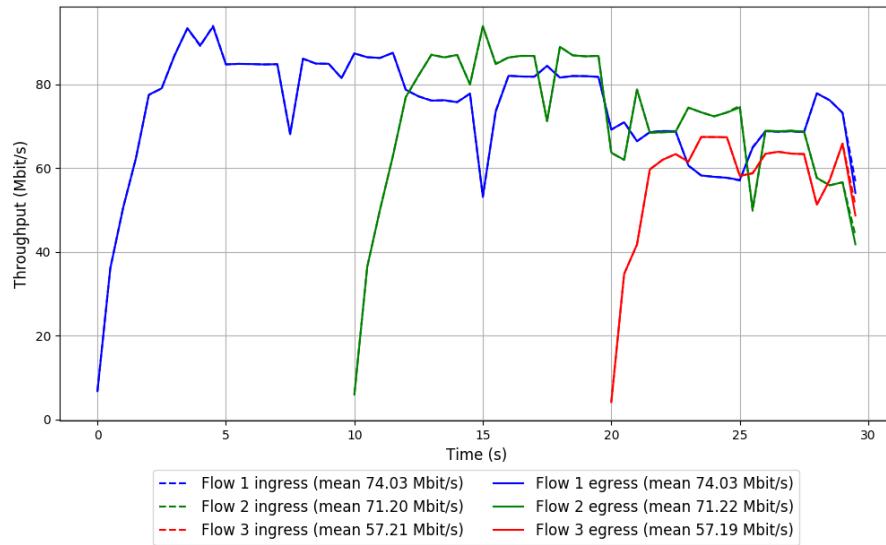


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-20 12:33:42
End at: 2018-02-20 12:34:12
Local clock offset: 1.138 ms
Remote clock offset: -5.338 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 140.18 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 71.22 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.23%
```

Run 6: Report of QUIC Cubic — Data Link

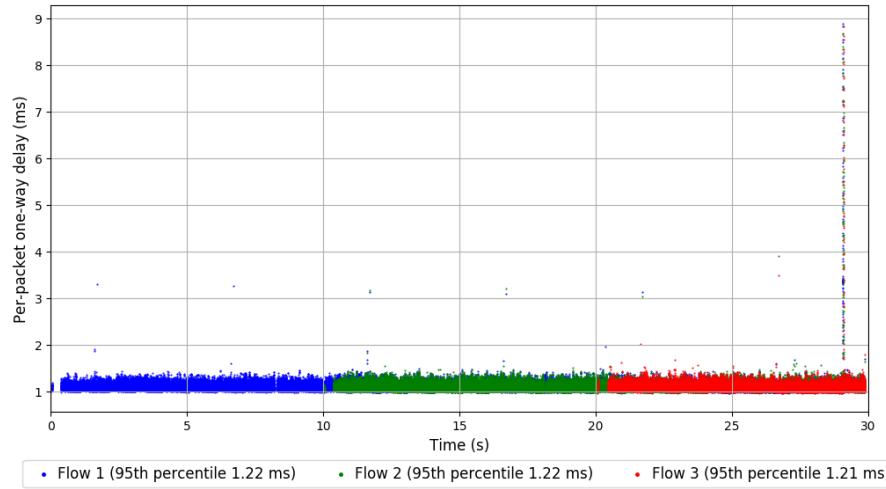
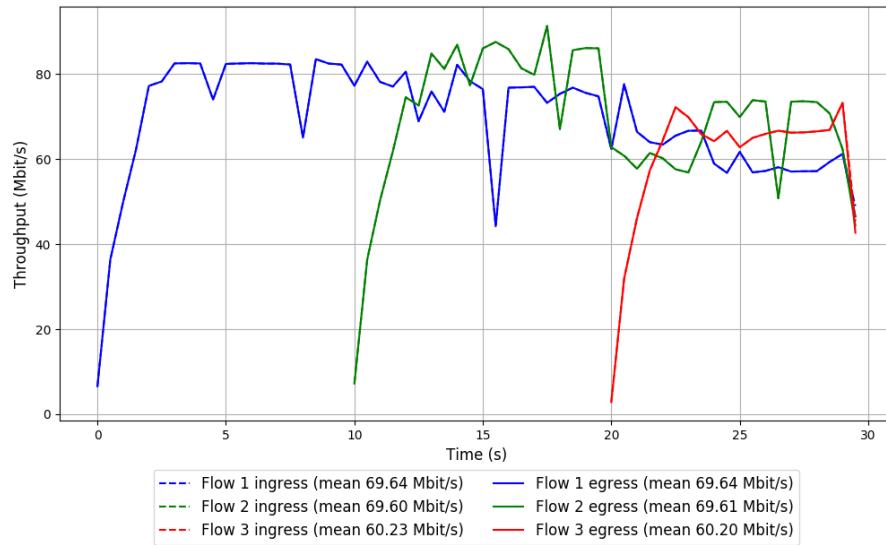


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-20 13:02:56
End at: 2018-02-20 13:03:26
Local clock offset: 1.363 ms
Remote clock offset: -6.486 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.73 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.64 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.24%
```

Run 7: Report of QUIC Cubic — Data Link

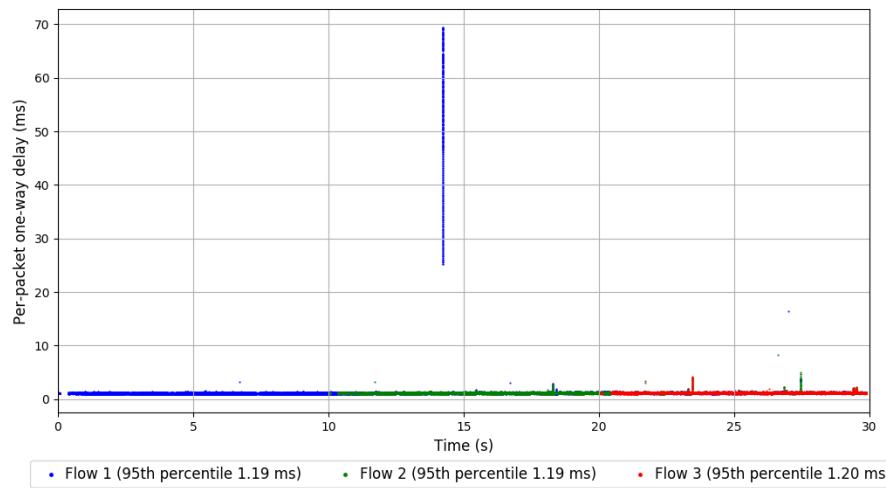
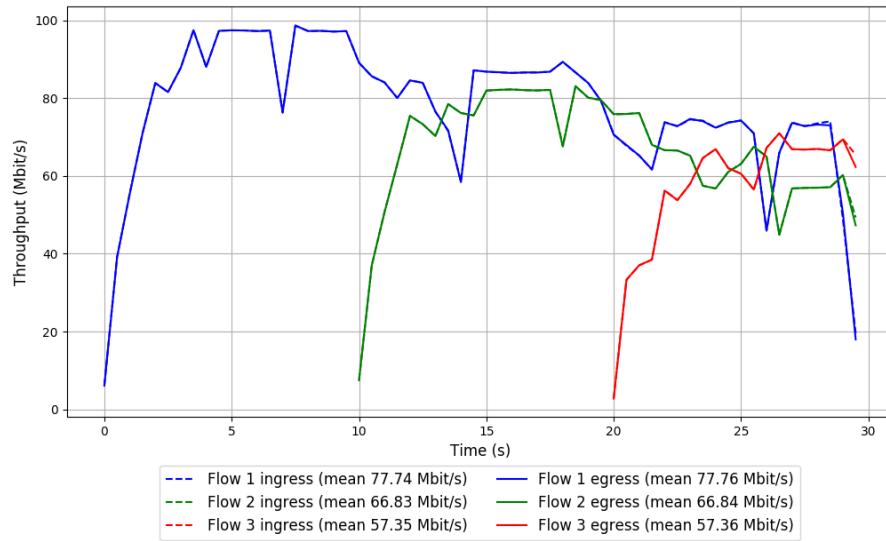


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-20 13:32:13
End at: 2018-02-20 13:32:43
Local clock offset: 1.186 ms
Remote clock offset: -6.982 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.08 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.30%
```

Run 8: Report of QUIC Cubic — Data Link

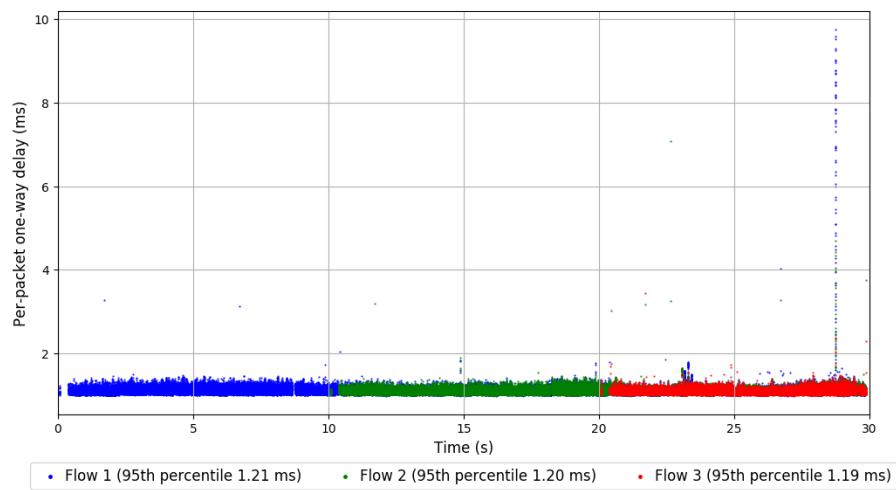
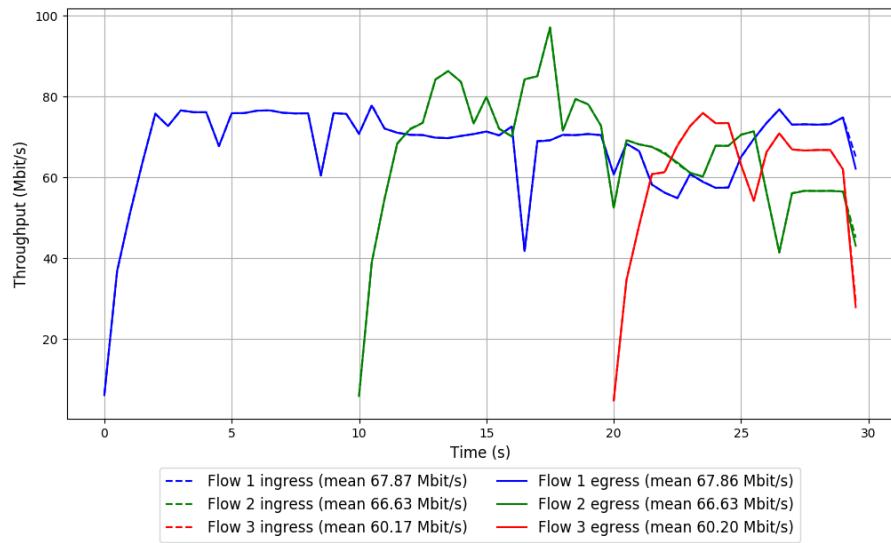


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-20 14:01:35
End at: 2018-02-20 14:02:05
Local clock offset: 1.205 ms
Remote clock offset: -6.773 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.93 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.14%
```

Run 9: Report of QUIC Cubic — Data Link

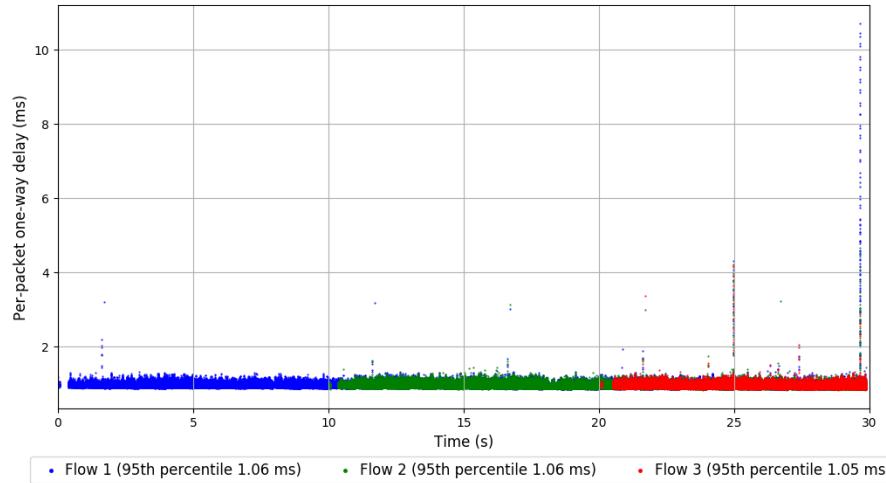
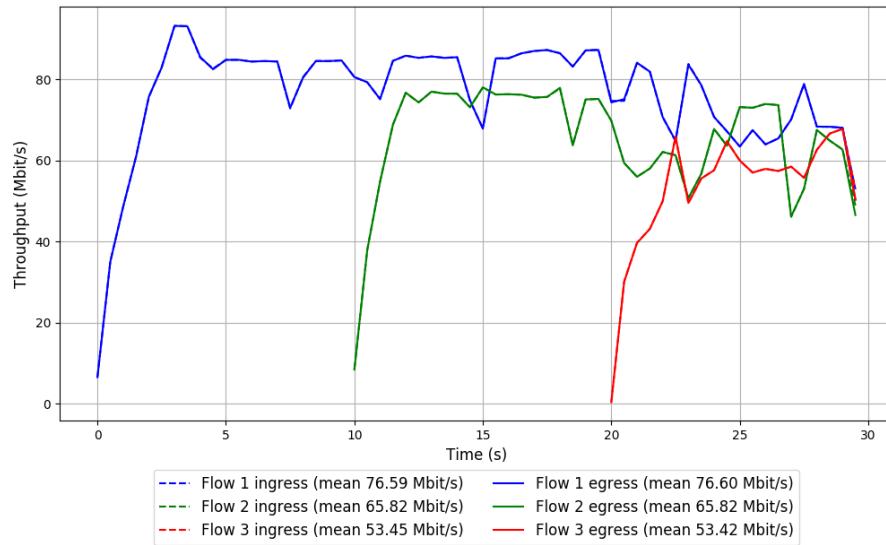


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-20 14:30:45
End at: 2018-02-20 14:31:15
Local clock offset: 3.008 ms
Remote clock offset: -6.499 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.94 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.26%
```

Run 10: Report of QUIC Cubic — Data Link

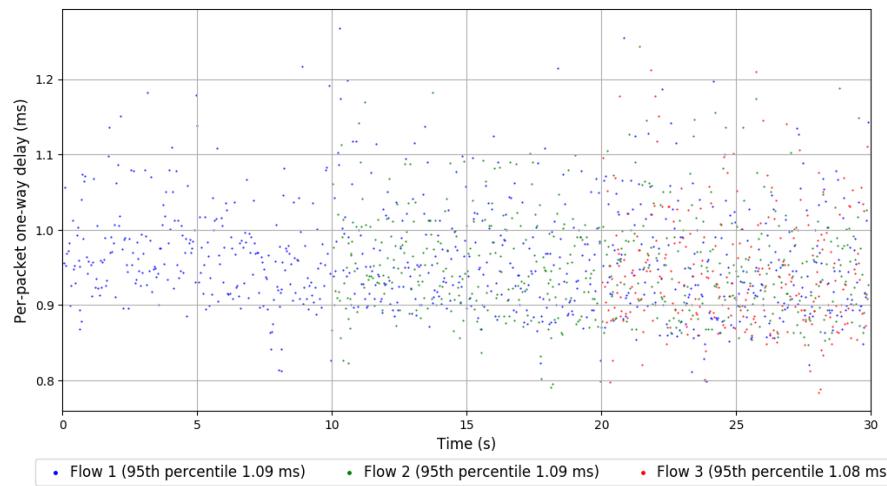
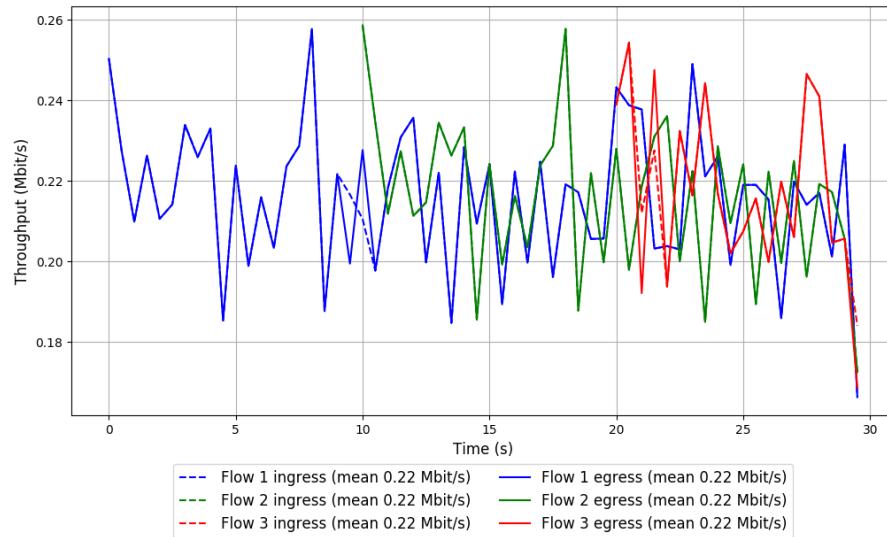


```
Run 1: Statistics of SCReAM

Start at: 2018-02-20 09:53:12
End at: 2018-02-20 09:53:42
Local clock offset: -0.07 ms
Remote clock offset: -5.168 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

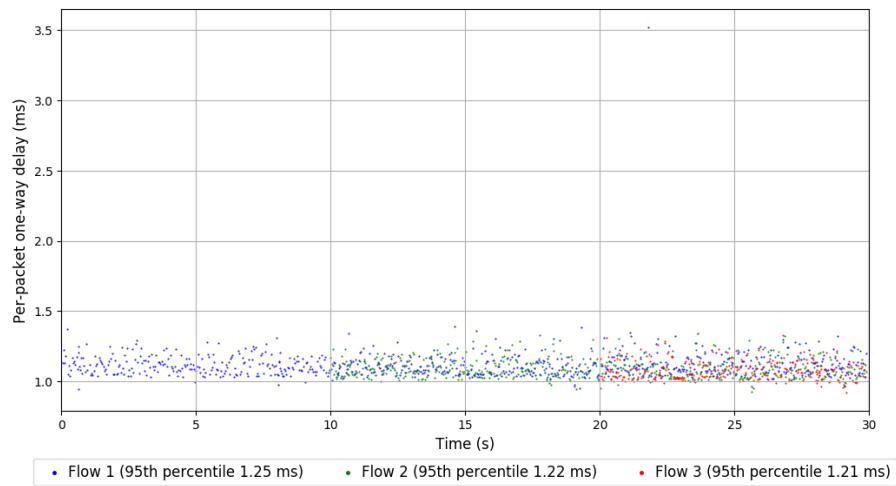
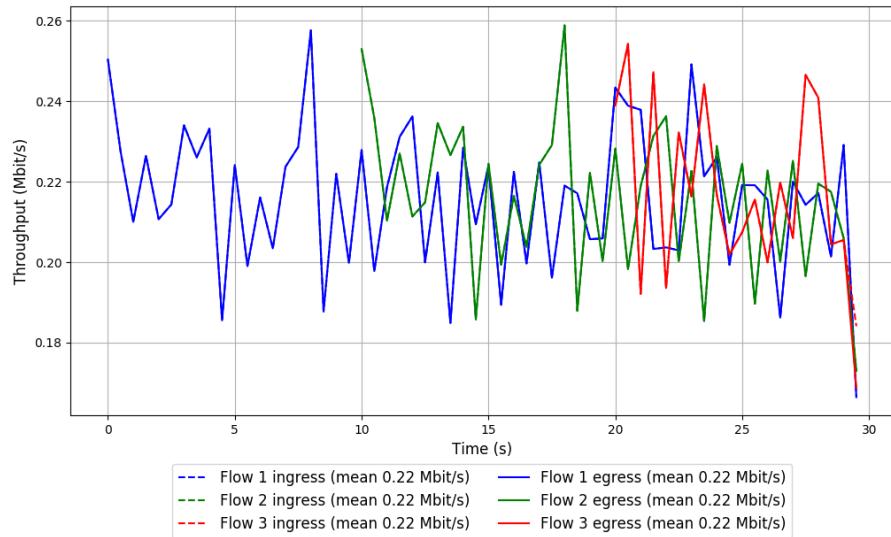


Run 2: Statistics of SCReAM

```
Start at: 2018-02-20 10:22:40
End at: 2018-02-20 10:23:10
Local clock offset: 1.091 ms
Remote clock offset: -6.371 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

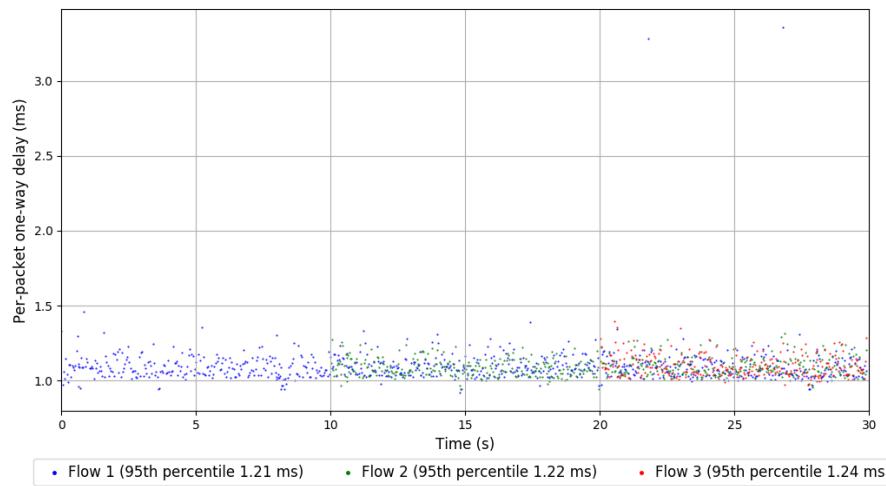
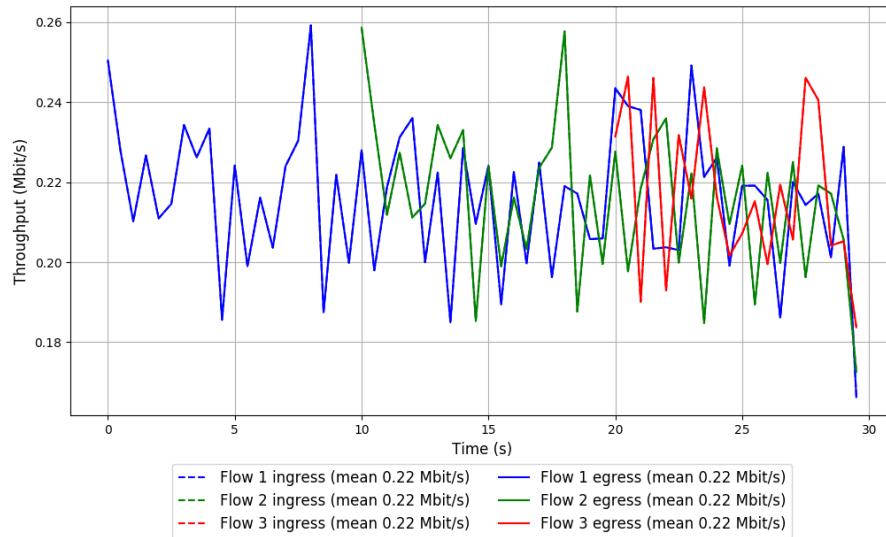


Run 3: Statistics of SCReAM

```
Start at: 2018-02-20 10:51:51
End at: 2018-02-20 10:52:21
Local clock offset: 0.937 ms
Remote clock offset: -6.49 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

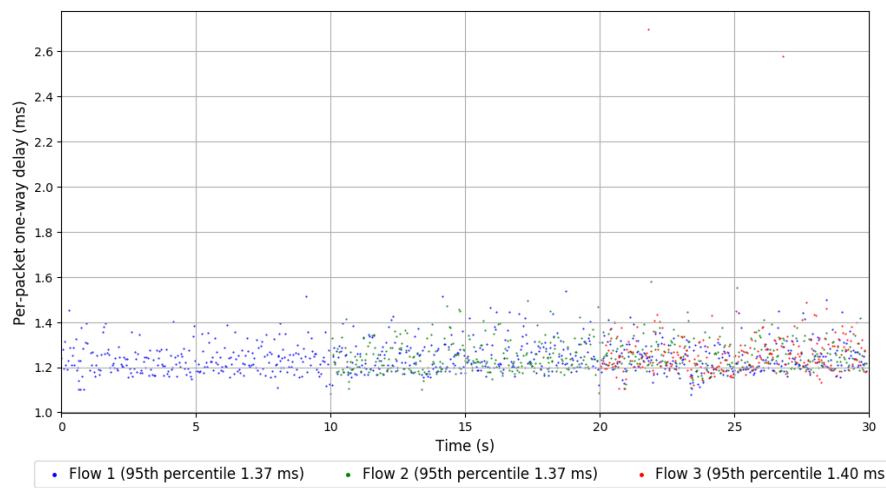
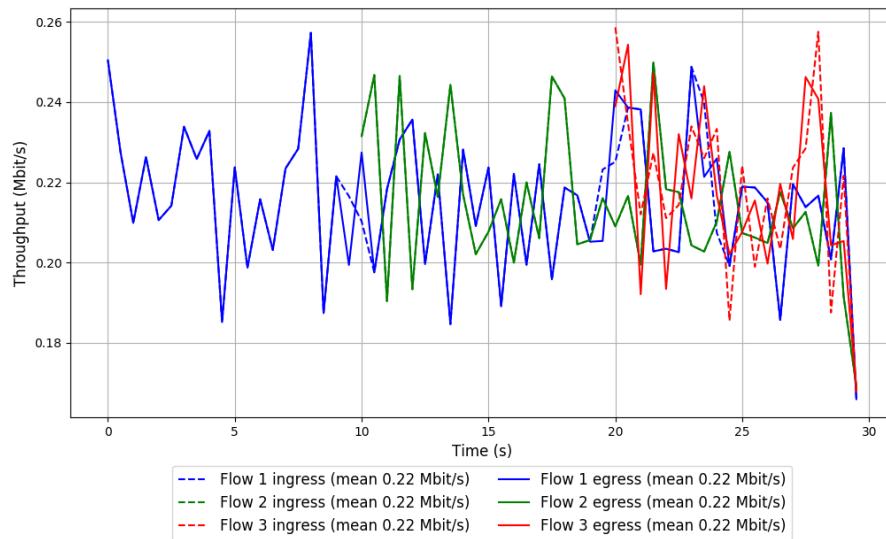


Run 4: Statistics of SCReAM

```
Start at: 2018-02-20 11:20:45
End at: 2018-02-20 11:21:15
Local clock offset: 0.945 ms
Remote clock offset: -5.444 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.378 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

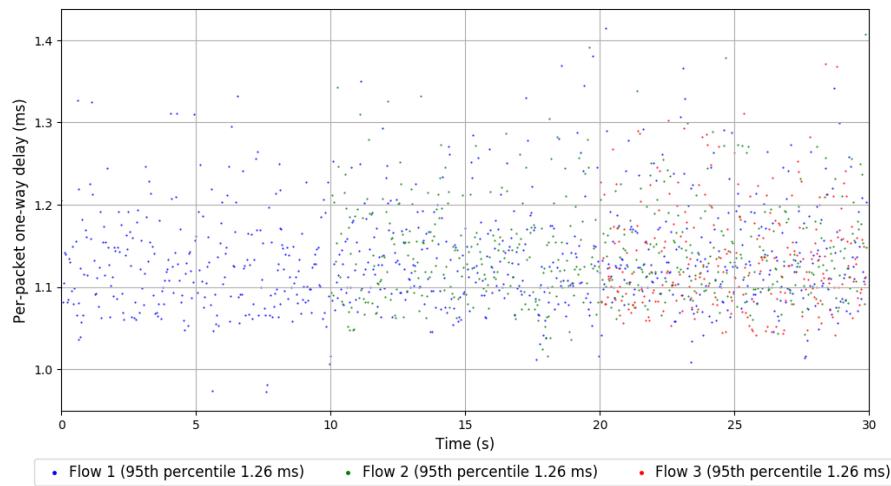
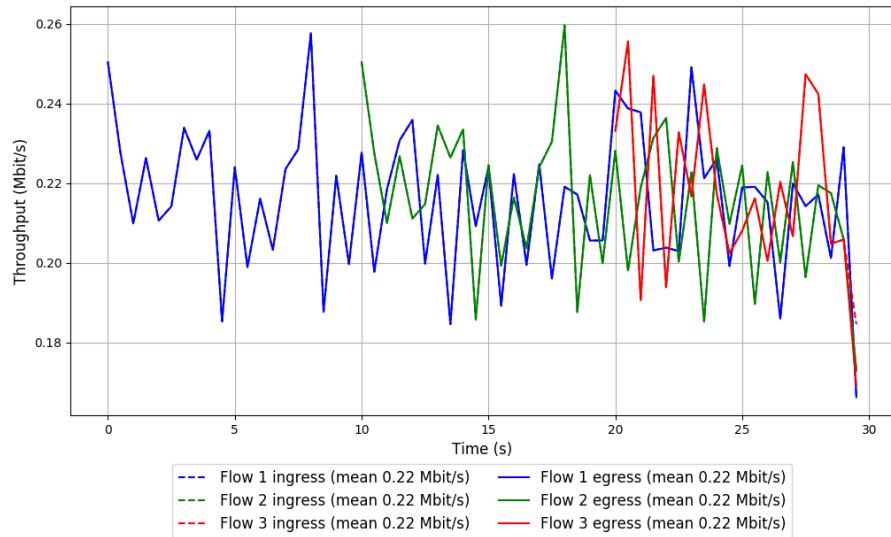


```
Run 5: Statistics of SCReAM

Start at: 2018-02-20 11:50:00
End at: 2018-02-20 11:50:30
Local clock offset: -0.221 ms
Remote clock offset: -4.26 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

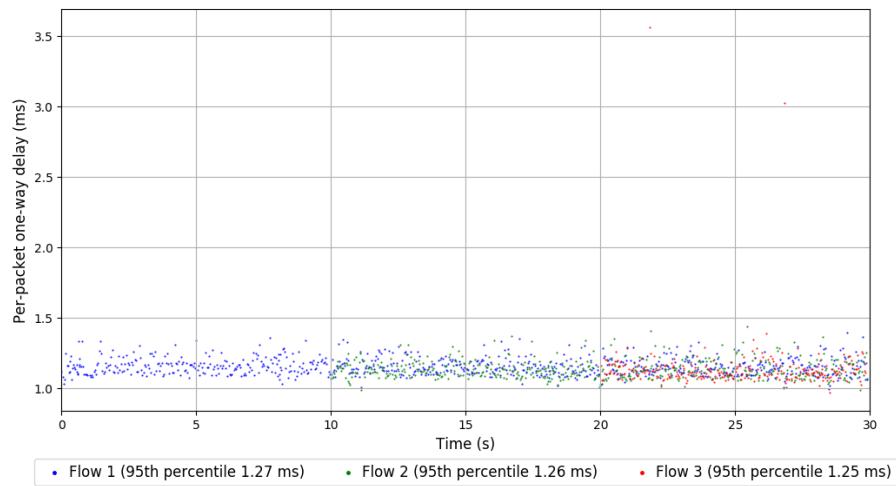
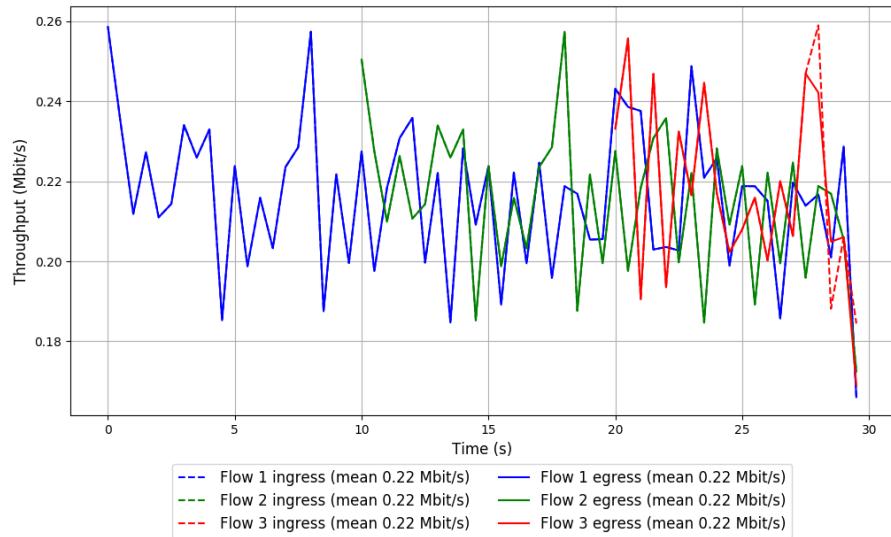


Run 6: Statistics of SCReAM

```
Start at: 2018-02-20 12:19:09
End at: 2018-02-20 12:19:39
Local clock offset: 0.823 ms
Remote clock offset: -3.866 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

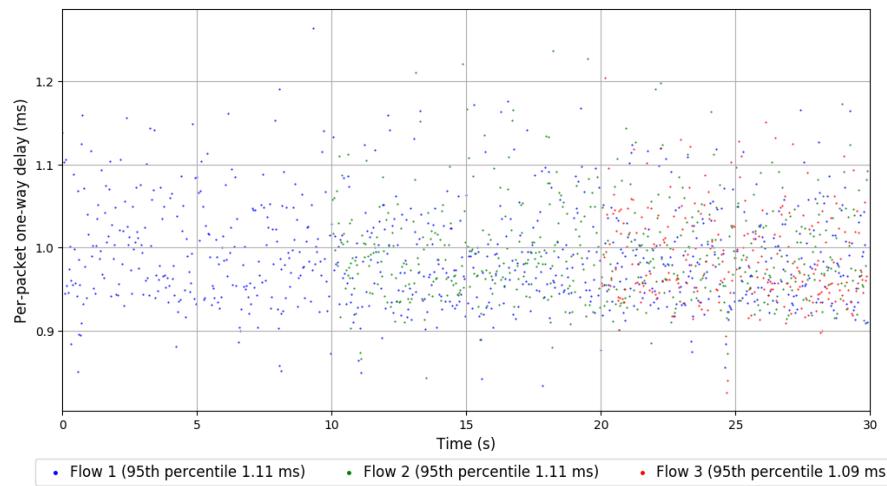
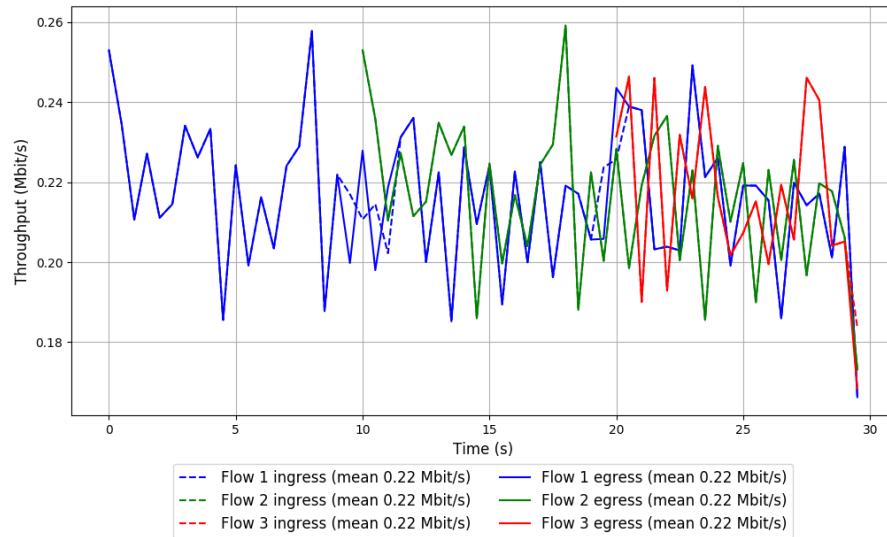


Run 7: Statistics of SCReAM

```
Start at: 2018-02-20 12:48:23
End at: 2018-02-20 12:48:53
Local clock offset: 1.187 ms
Remote clock offset: -5.731 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.35%
```

Run 7: Report of SCReAM — Data Link

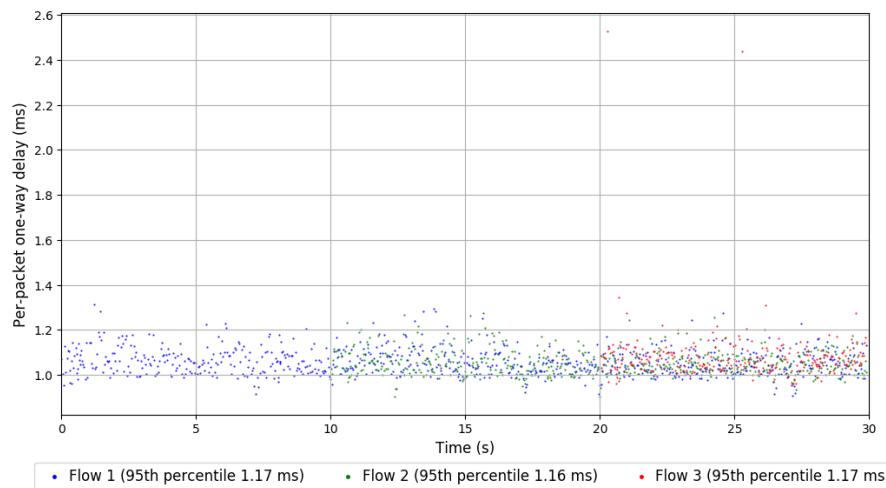
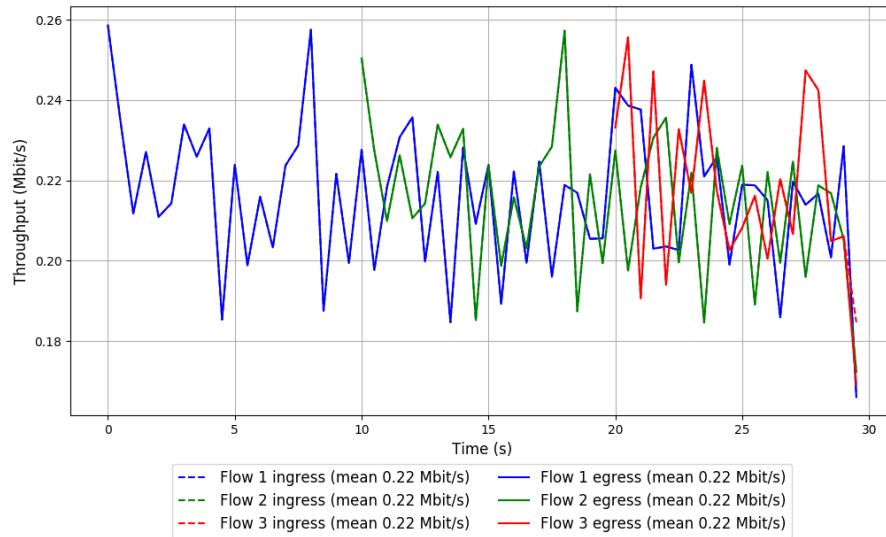


Run 8: Statistics of SCReAM

```
Start at: 2018-02-20 13:17:39
End at: 2018-02-20 13:18:10
Local clock offset: 1.272 ms
Remote clock offset: -6.897 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

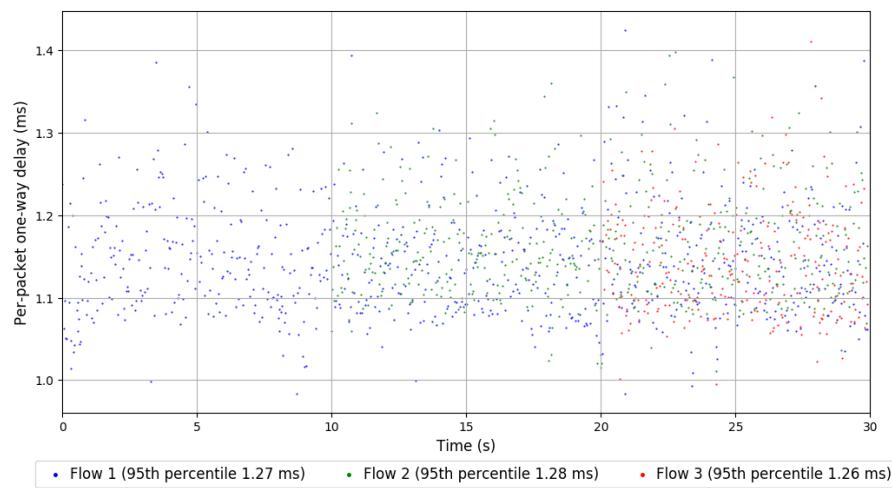
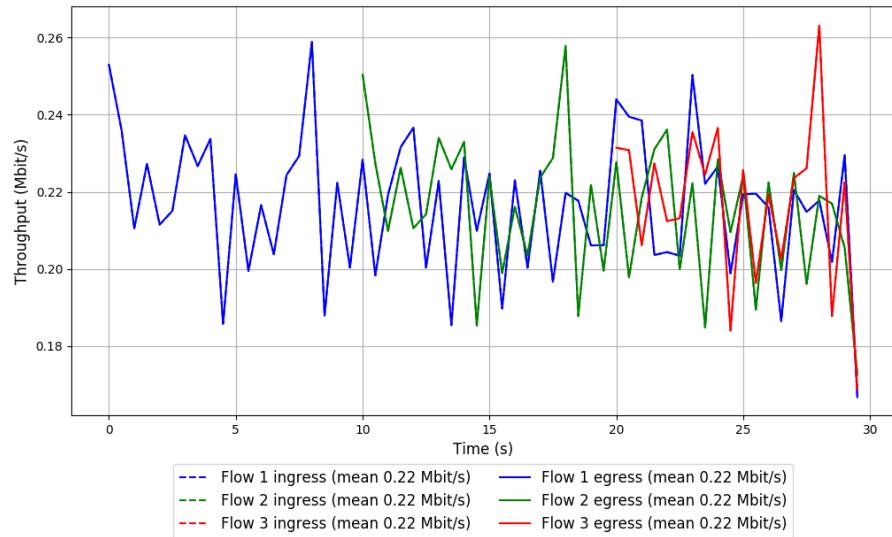


Run 9: Statistics of SCReAM

```
Start at: 2018-02-20 13:46:57
End at: 2018-02-20 13:47:27
Local clock offset: 1.196 ms
Remote clock offset: -6.699 ms

# Below is generated by plot.py at 2018-02-20 20:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

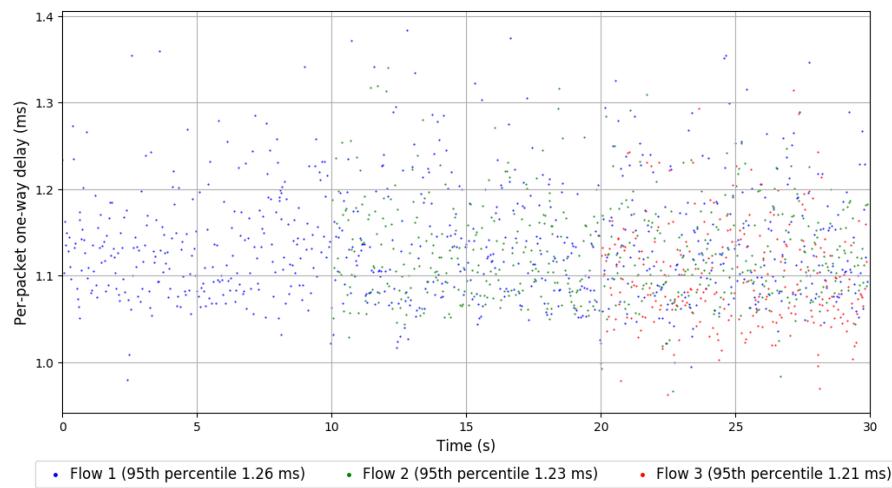
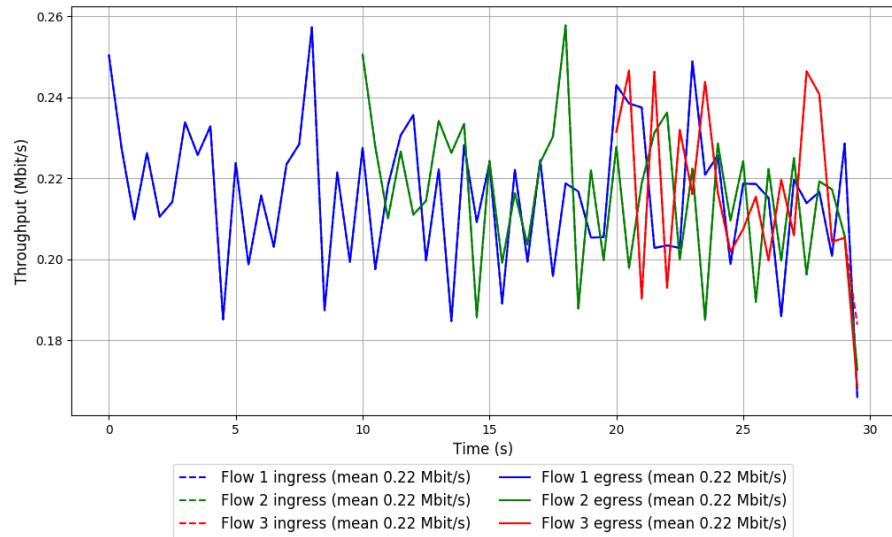


Run 10: Statistics of SCReAM

```
Start at: 2018-02-20 14:16:13
End at: 2018-02-20 14:16:43
Local clock offset: 1.15 ms
Remote clock offset: -6.533 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.35%
```

Run 10: Report of SCReAM — Data Link

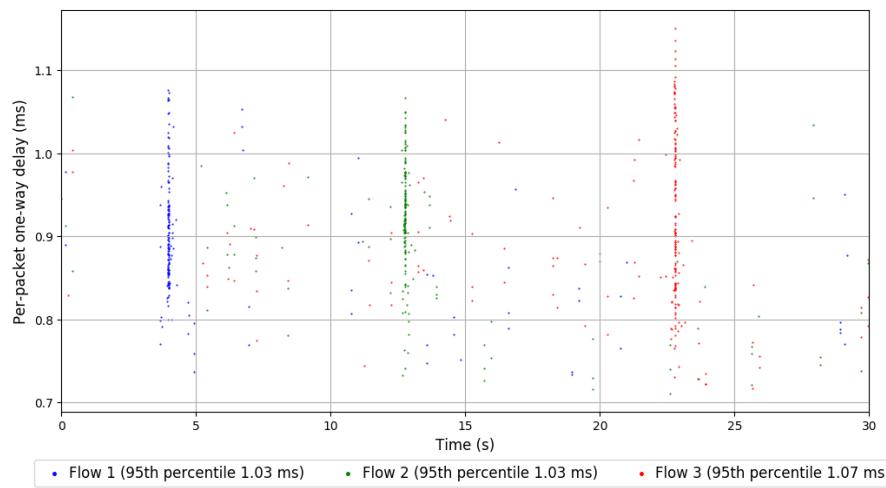
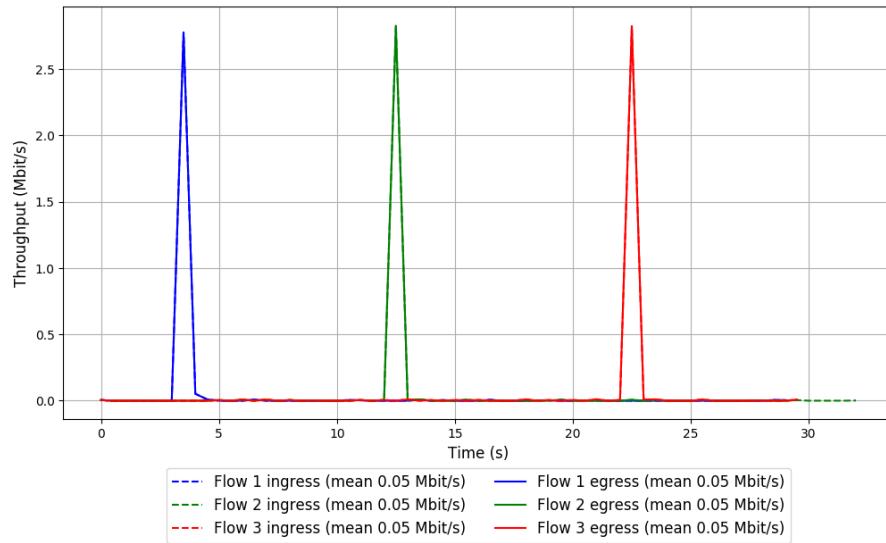


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-20 09:51:54
End at: 2018-02-20 09:52:24
Local clock offset: -0.222 ms
Remote clock offset: -5.155 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

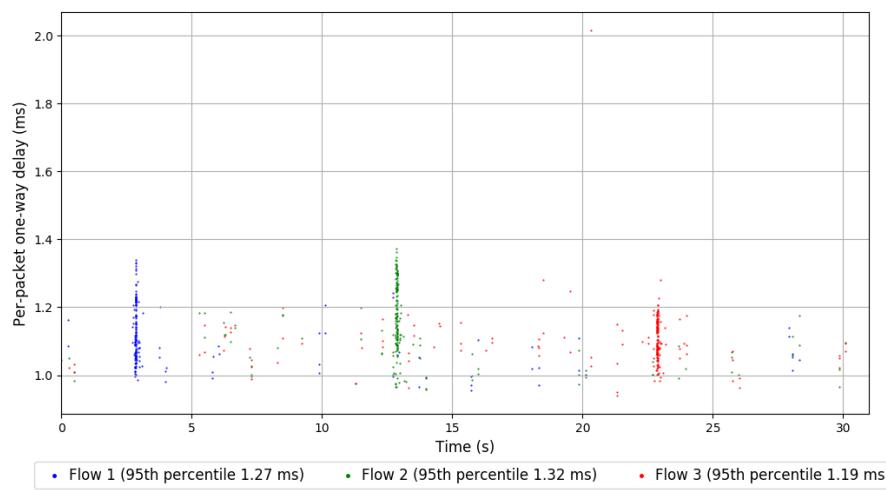
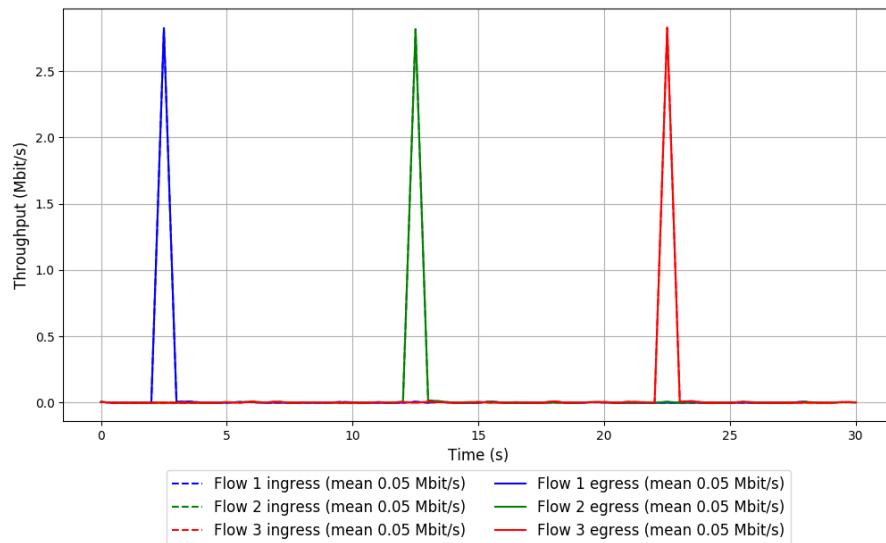


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-20 10:21:22
End at: 2018-02-20 10:21:52
Local clock offset: 1.137 ms
Remote clock offset: -6.356 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

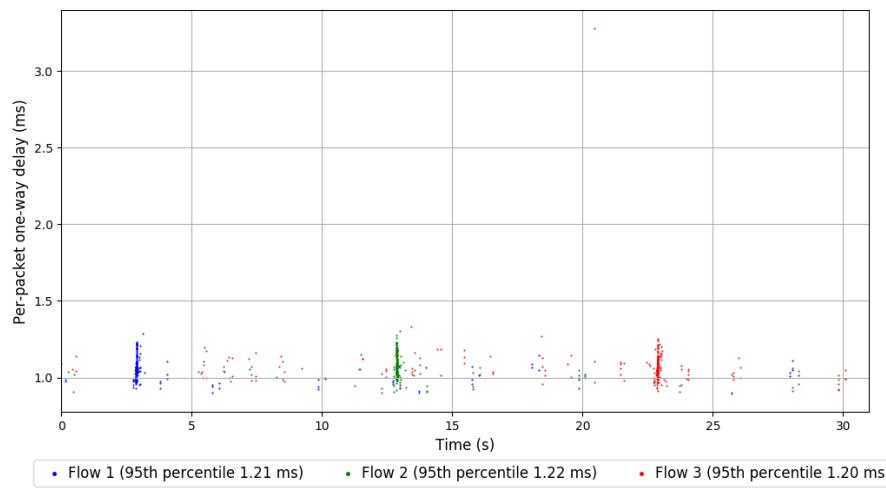
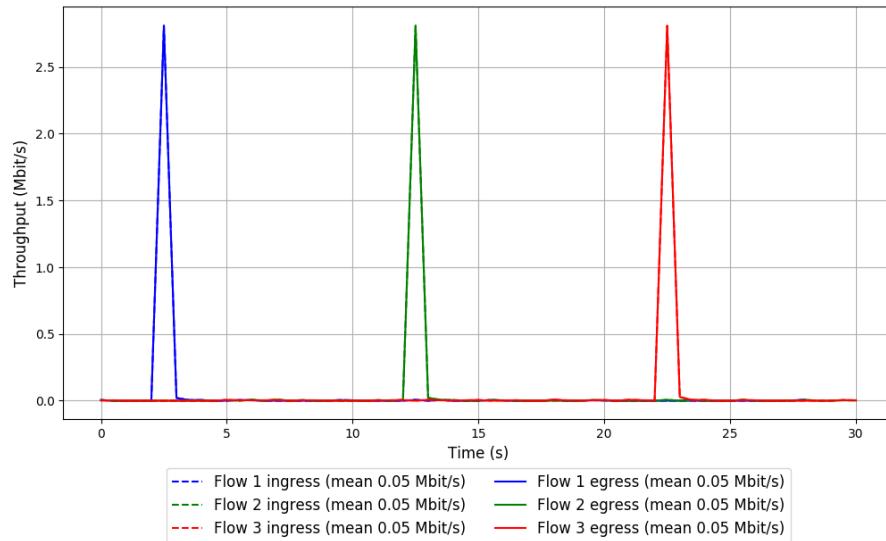


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-20 10:50:33
End at: 2018-02-20 10:51:03
Local clock offset: 0.942 ms
Remote clock offset: -6.514 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

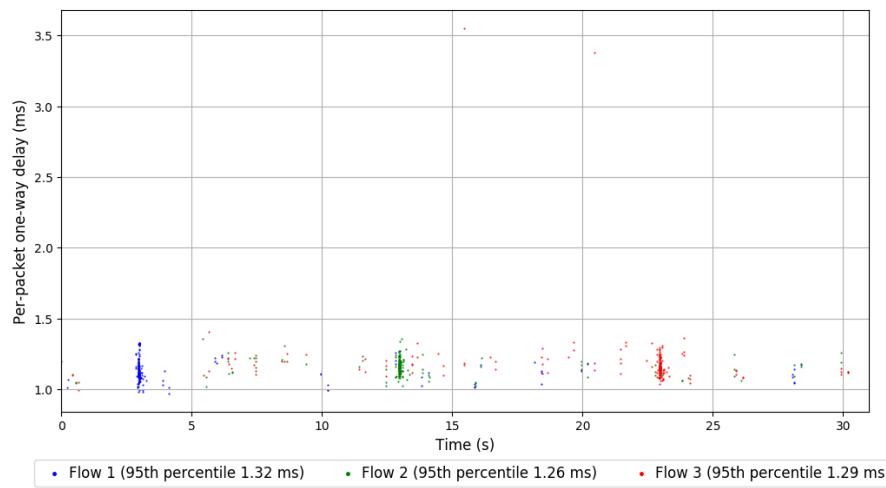
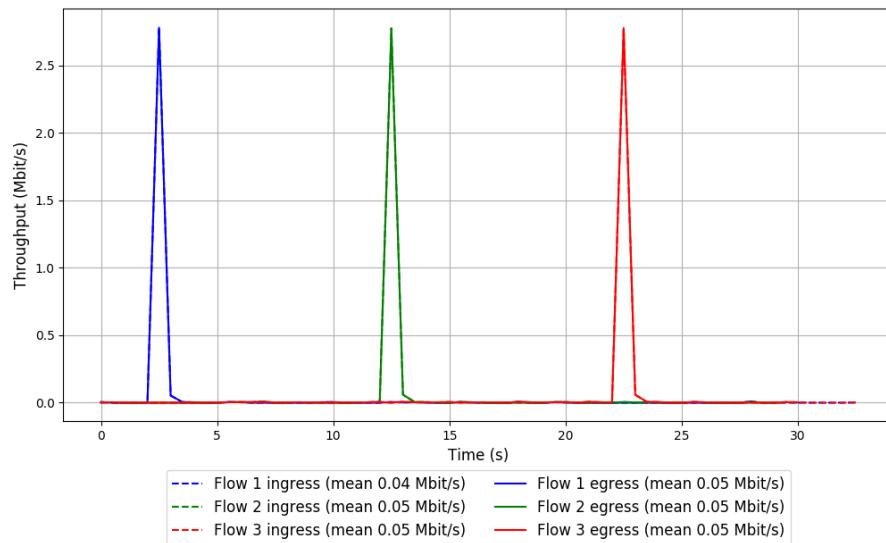


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-20 11:19:27
End at: 2018-02-20 11:19:57
Local clock offset: 0.952 ms
Remote clock offset: -5.527 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.05%
```

Run 4: Report of WebRTC media — Data Link

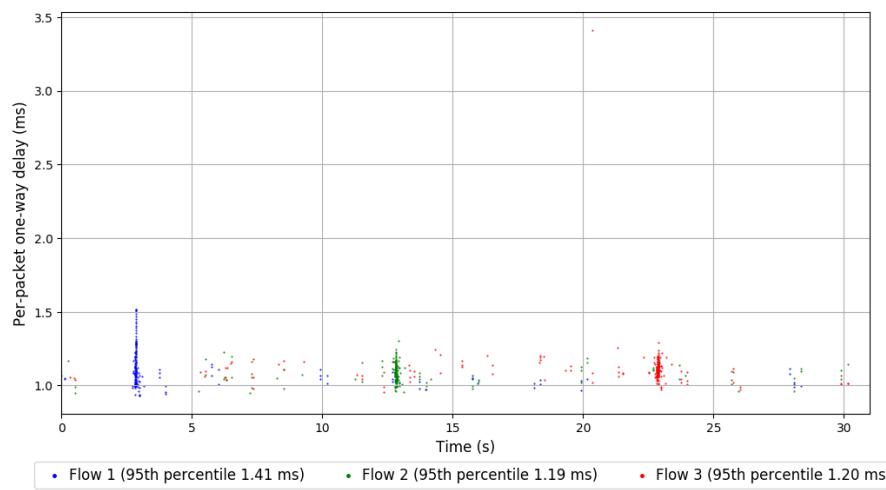
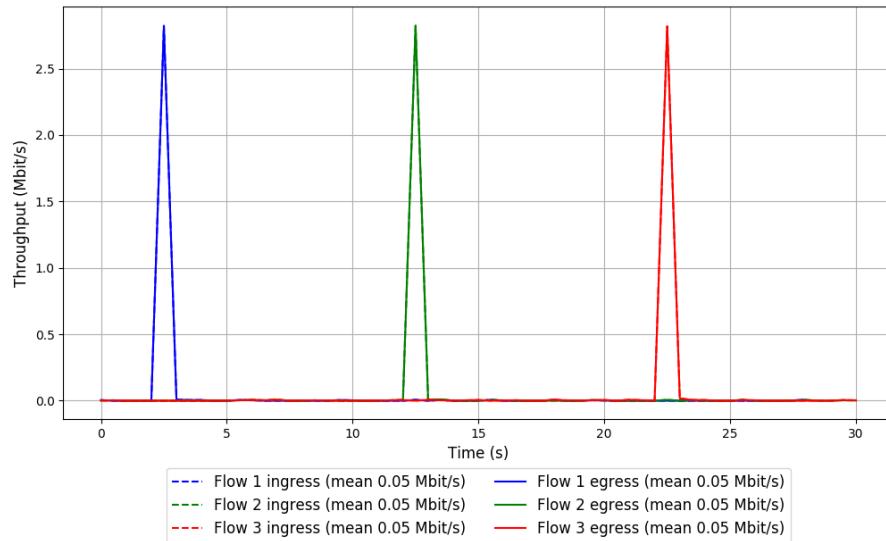


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-20 11:48:42
End at: 2018-02-20 11:49:12
Local clock offset: -0.286 ms
Remote clock offset: -4.404 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

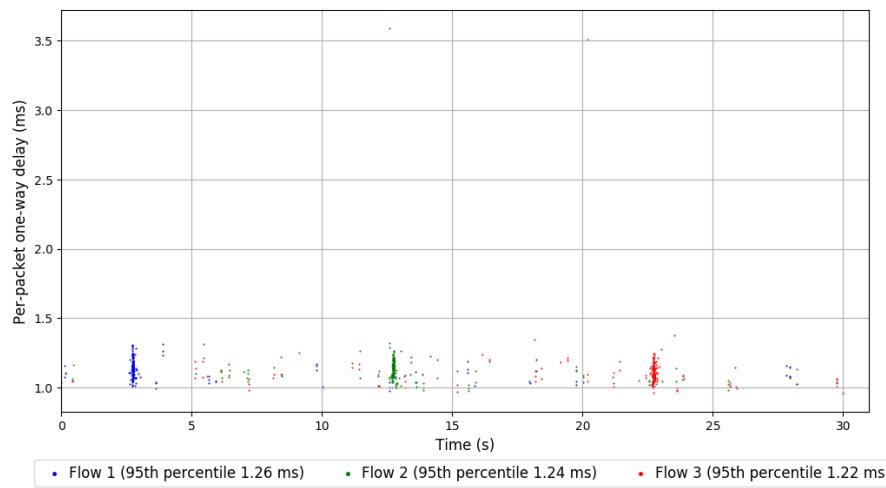
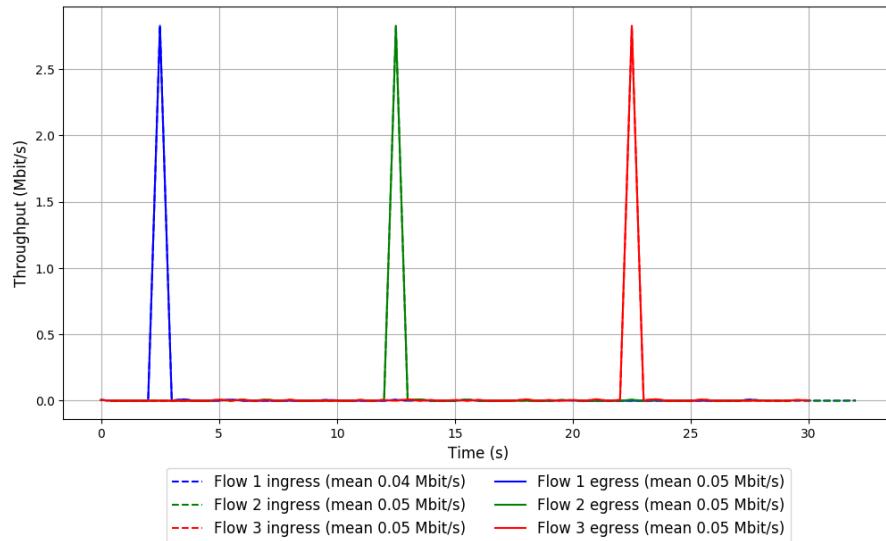


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-20 12:17:50
End at: 2018-02-20 12:18:20
Local clock offset: 0.769 ms
Remote clock offset: -3.91 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

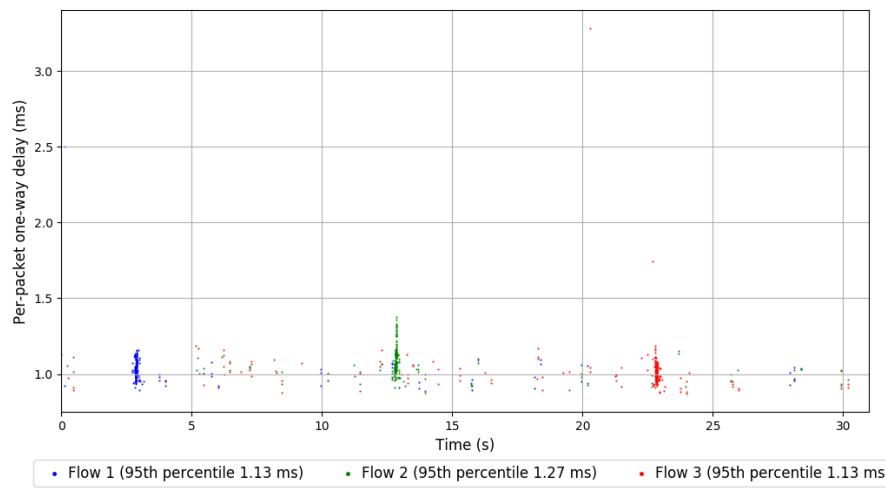
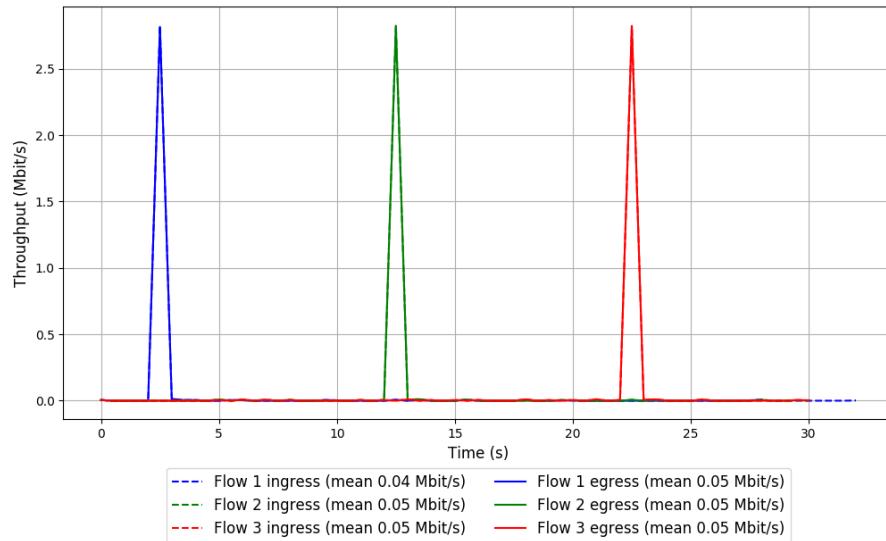


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-20 12:47:04
End at: 2018-02-20 12:47:34
Local clock offset: 1.171 ms
Remote clock offset: -5.784 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

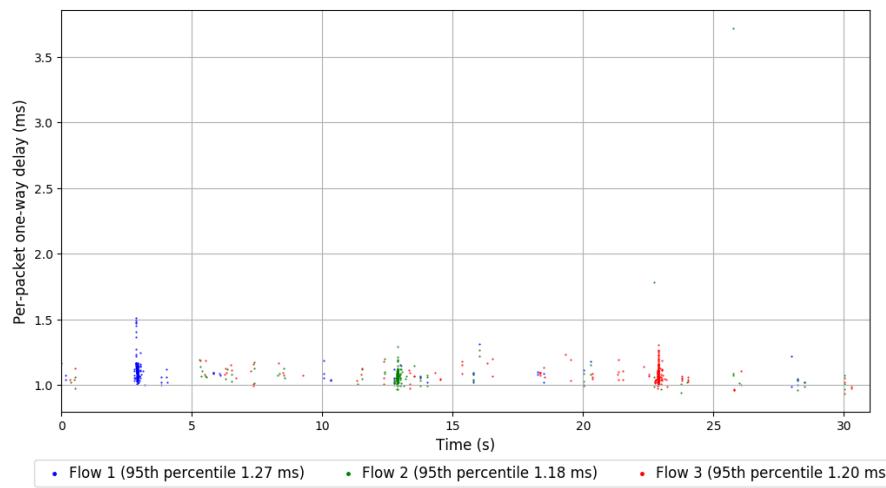
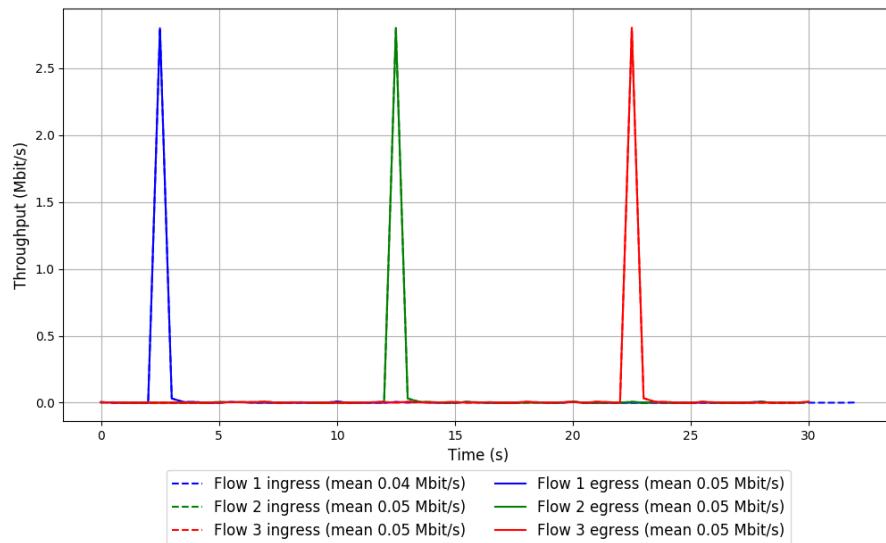


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-20 13:16:21
End at: 2018-02-20 13:16:51
Local clock offset: 1.301 ms
Remote clock offset: -6.928 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

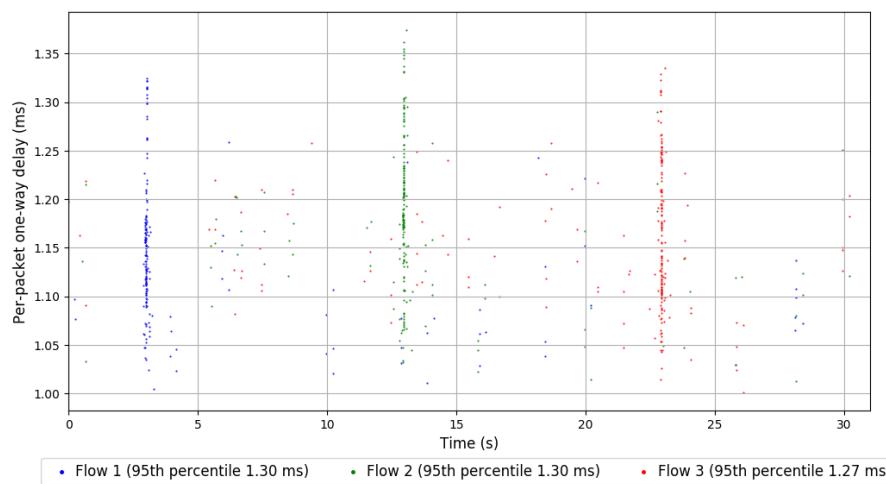
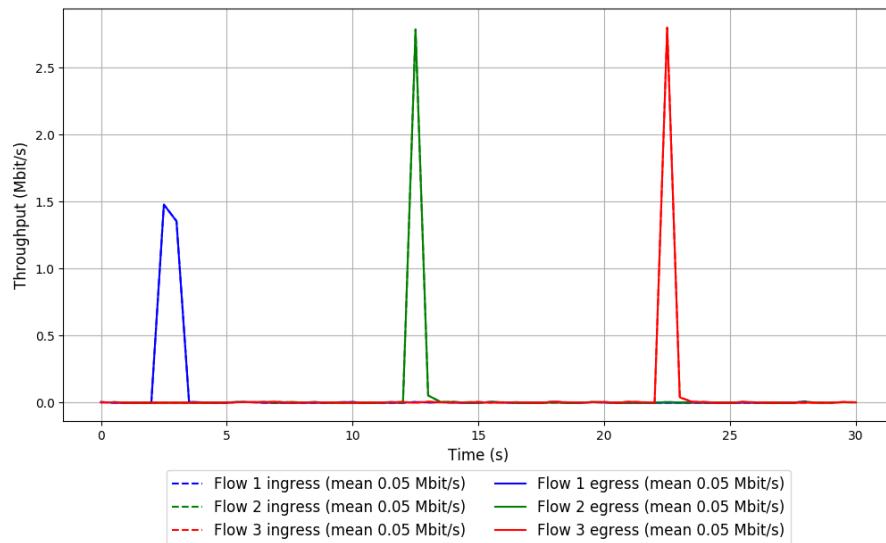


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-20 13:45:39
End at: 2018-02-20 13:46:09
Local clock offset: 1.201 ms
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

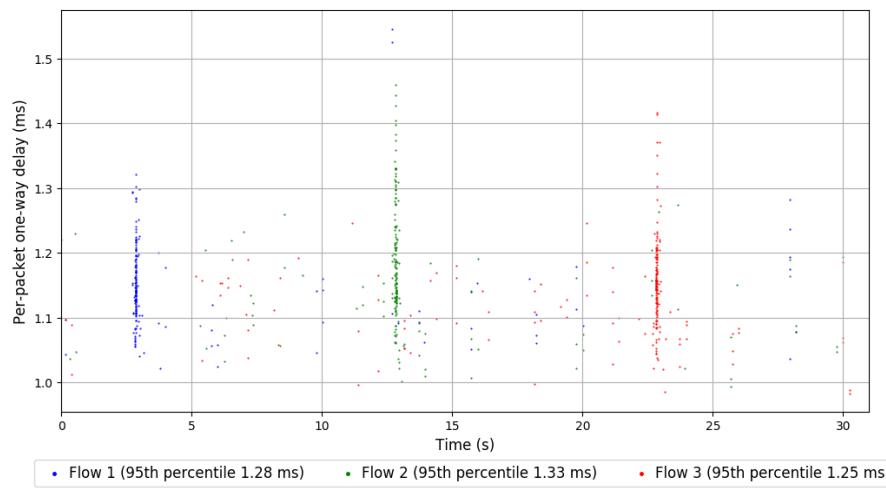
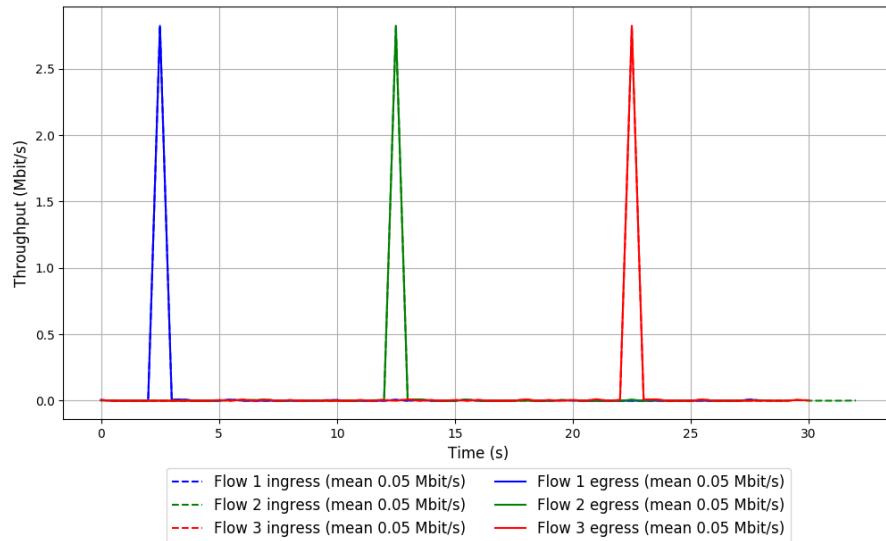


Run 10: Statistics of WebRTC media

```
Start at: 2018-02-20 14:14:55
End at: 2018-02-20 14:15:25
Local clock offset: 1.231 ms
Remote clock offset: -6.528 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

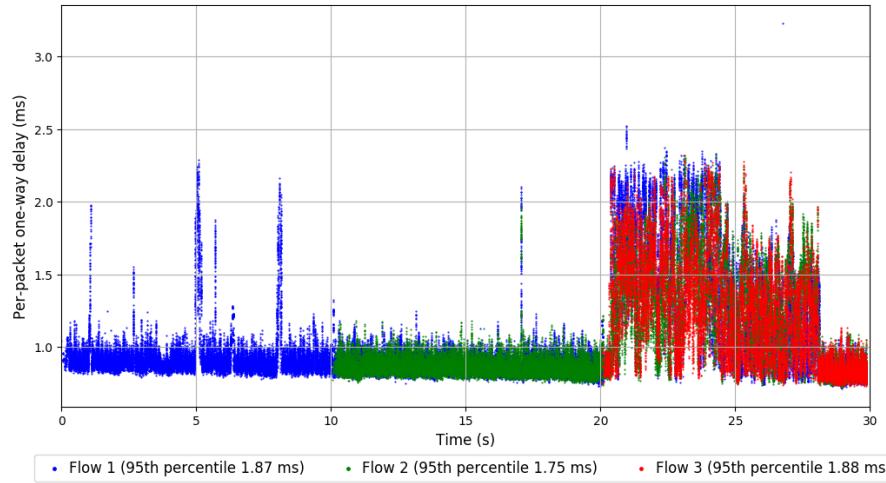
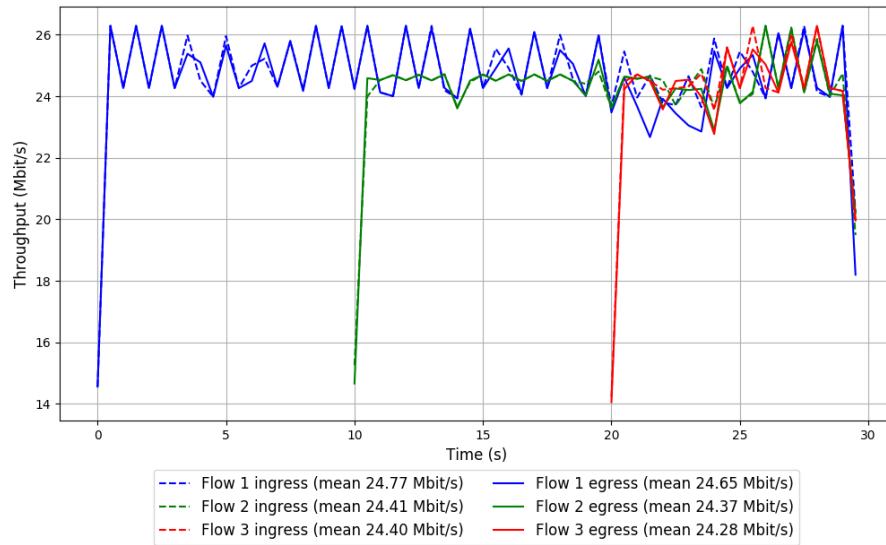


Run 1: Statistics of Sprout

```
Start at: 2018-02-20 10:05:00
End at: 2018-02-20 10:05:30
Local clock offset: 0.793 ms
Remote clock offset: -5.159 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 1.832 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.874 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 1.880 ms
Loss rate: 0.50%
```

Run 1: Report of Sprout — Data Link

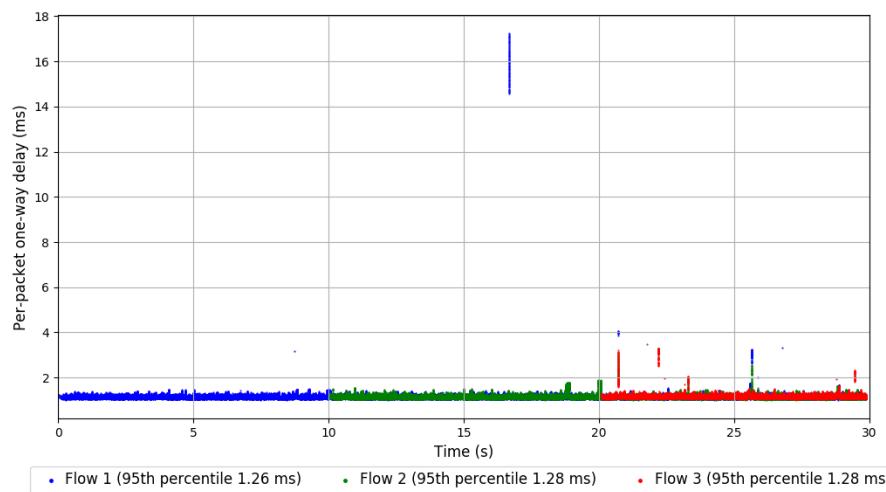
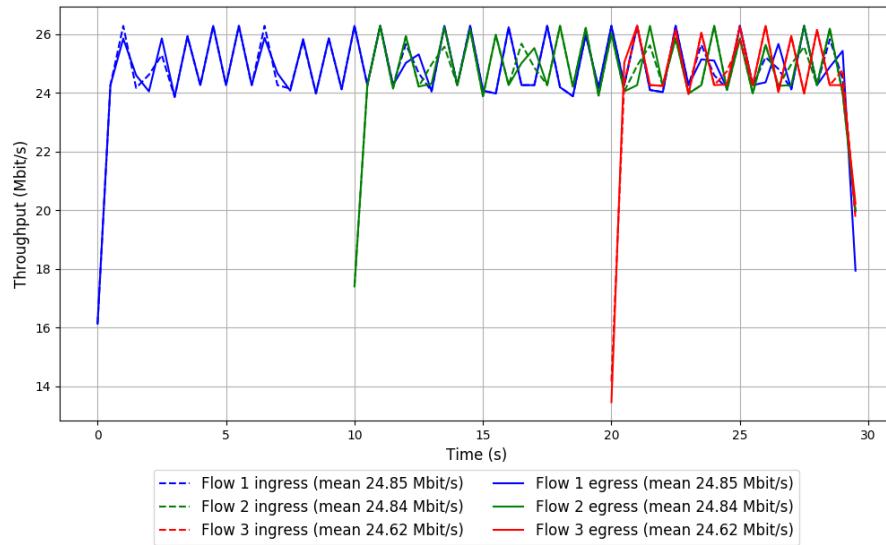


Run 2: Statistics of Sprout

```
Start at: 2018-02-20 10:34:11
End at: 2018-02-20 10:34:41
Local clock offset: 0.996 ms
Remote clock offset: -6.653 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

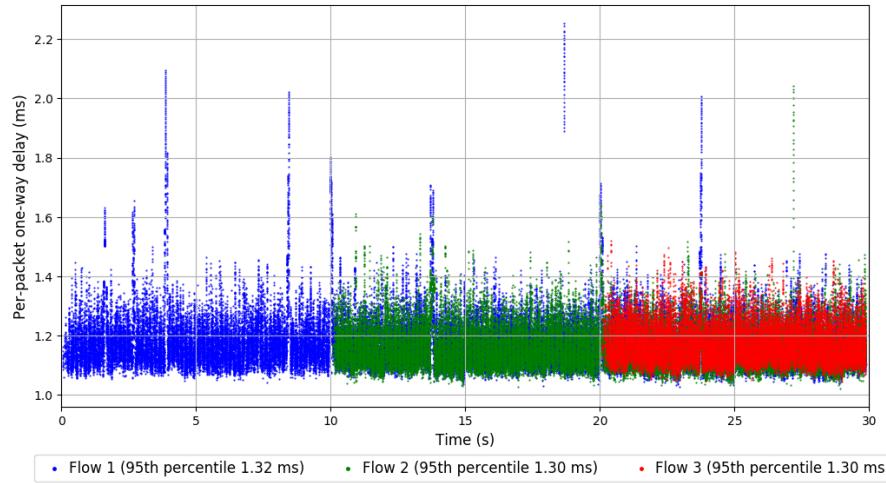
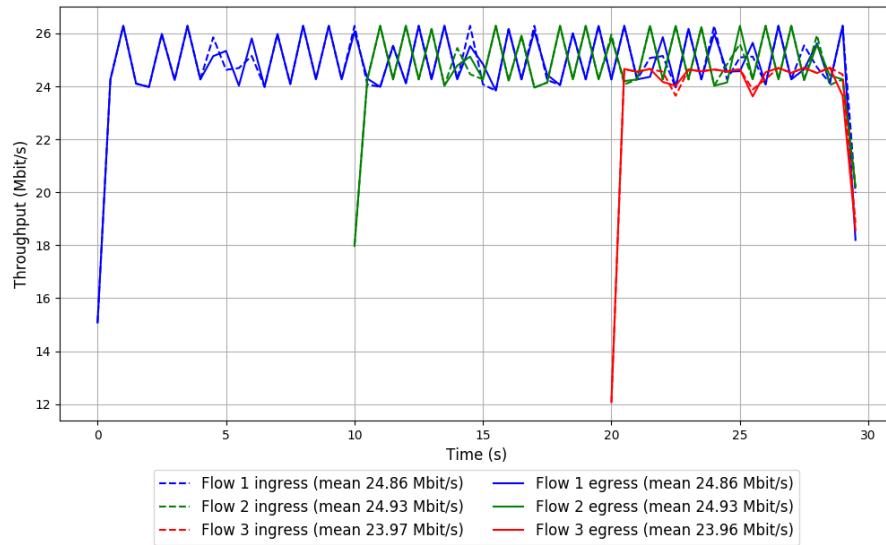


Run 3: Statistics of Sprout

```
Start at: 2018-02-20 11:03:25
End at: 2018-02-20 11:03:55
Local clock offset: 0.971 ms
Remote clock offset: -6.654 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.23%
```

Run 3: Report of Sprout — Data Link

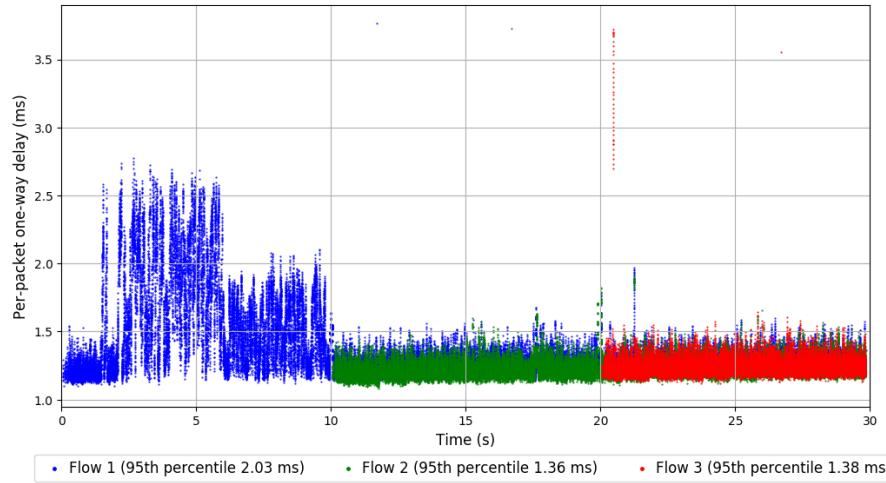
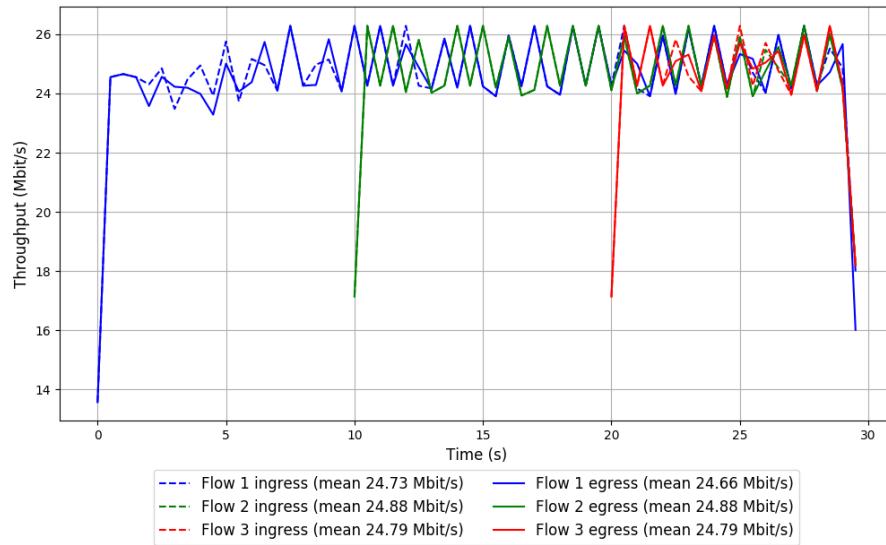


Run 4: Statistics of Sprout

```
Start at: 2018-02-20 11:32:18
End at: 2018-02-20 11:32:48
Local clock offset: 0.681 ms
Remote clock offset: -4.804 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 1.740 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 2.033 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

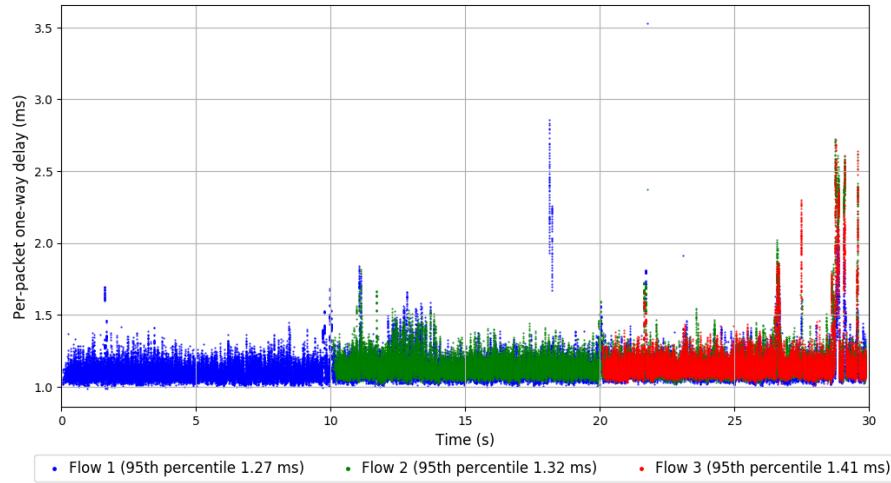
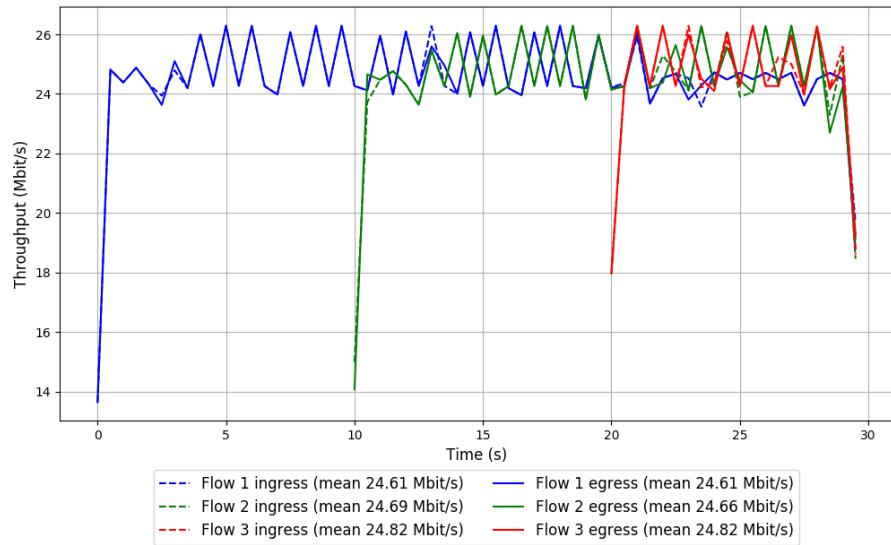


Run 5: Statistics of Sprout

```
Start at: 2018-02-20 12:01:26
End at: 2018-02-20 12:01:56
Local clock offset: -0.512 ms
Remote clock offset: -4.135 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.409 ms
Loss rate: 0.02%
```

Run 5: Report of Sprout — Data Link

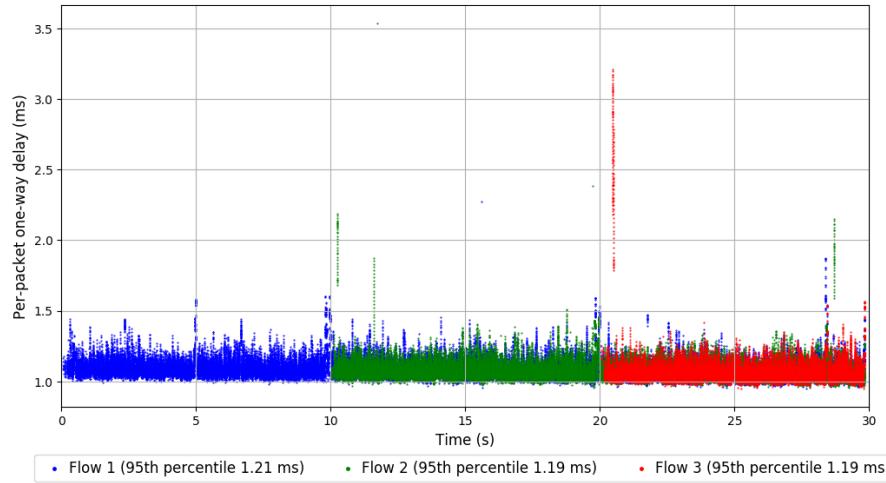
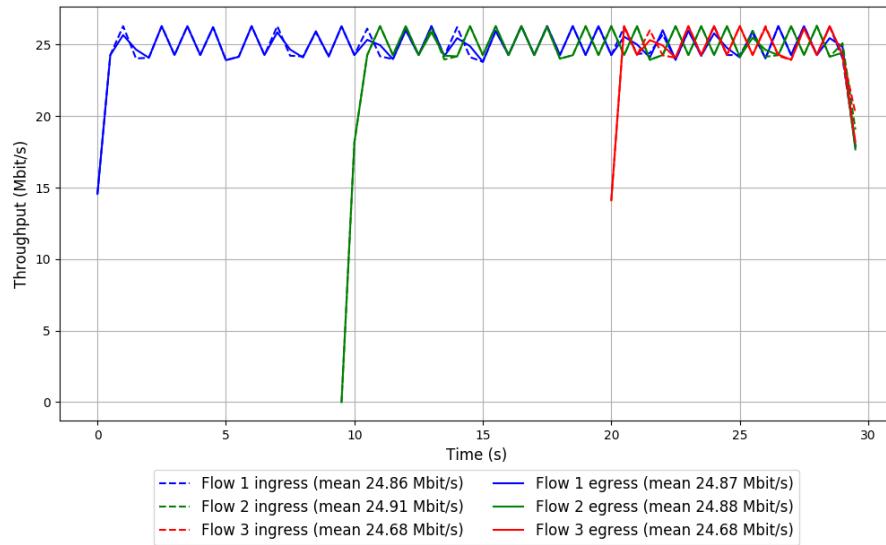


Run 6: Statistics of Sprout

```
Start at: 2018-02-20 12:30:38
End at: 2018-02-20 12:31:08
Local clock offset: 1.092 ms
Remote clock offset: -5.151 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.42%
```

Run 6: Report of Sprout — Data Link

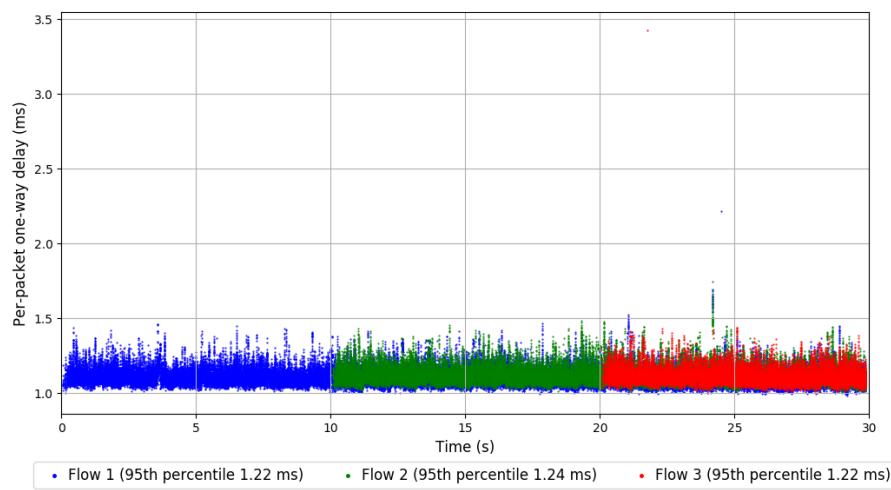
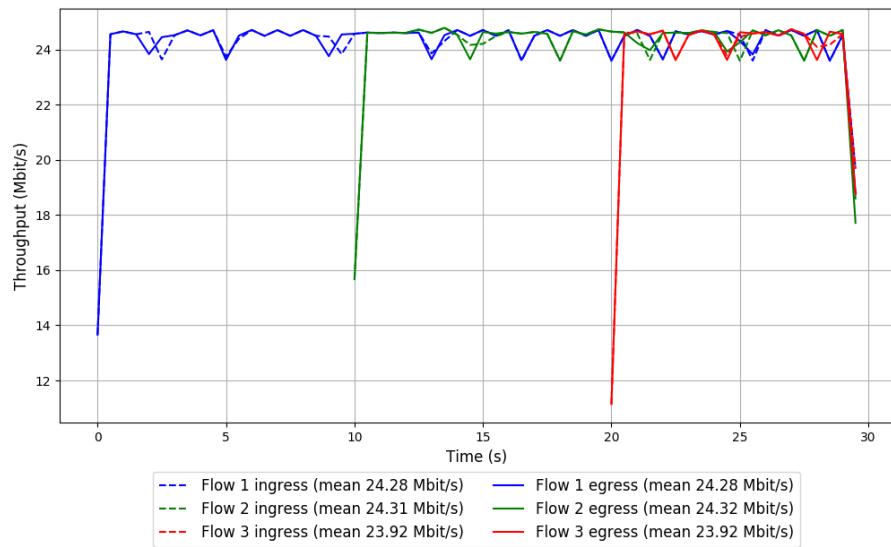


Run 7: Statistics of Sprout

```
Start at: 2018-02-20 12:59:53
End at: 2018-02-20 13:00:23
Local clock offset: 1.362 ms
Remote clock offset: -6.332 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.20%
```

Run 7: Report of Sprout — Data Link

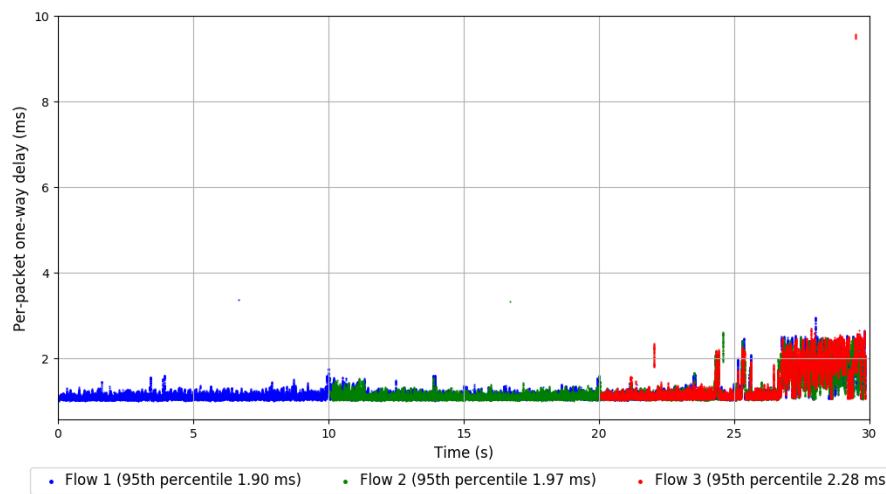
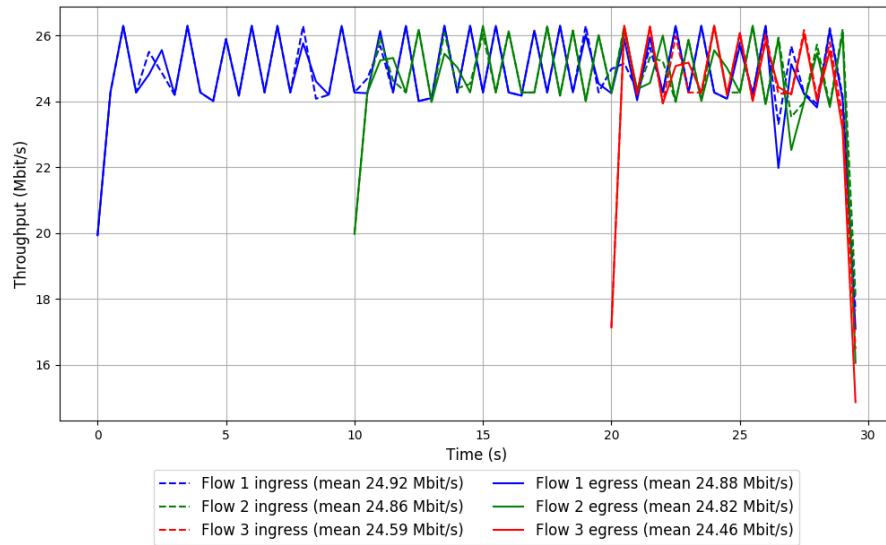


Run 8: Statistics of Sprout

```
Start at: 2018-02-20 13:29:03
End at: 2018-02-20 13:29:33
Local clock offset: 1.16 ms
Remote clock offset: -7.195 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 2.050 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.904 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.971 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.53%
```

Run 8: Report of Sprout — Data Link

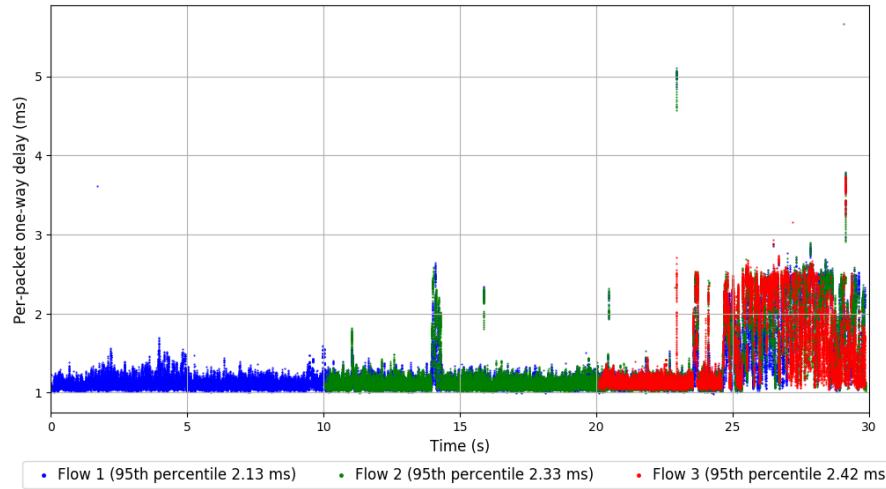
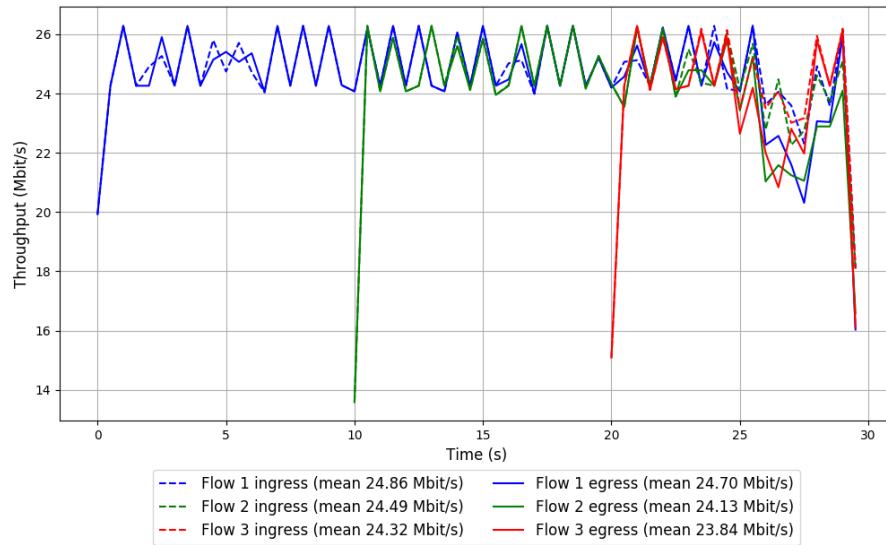


Run 9: Statistics of Sprout

```
Start at: 2018-02-20 13:58:26
End at: 2018-02-20 13:58:56
Local clock offset: 1.193 ms
Remote clock offset: -6.745 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 2.129 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 2.21%
```

Run 9: Report of Sprout — Data Link

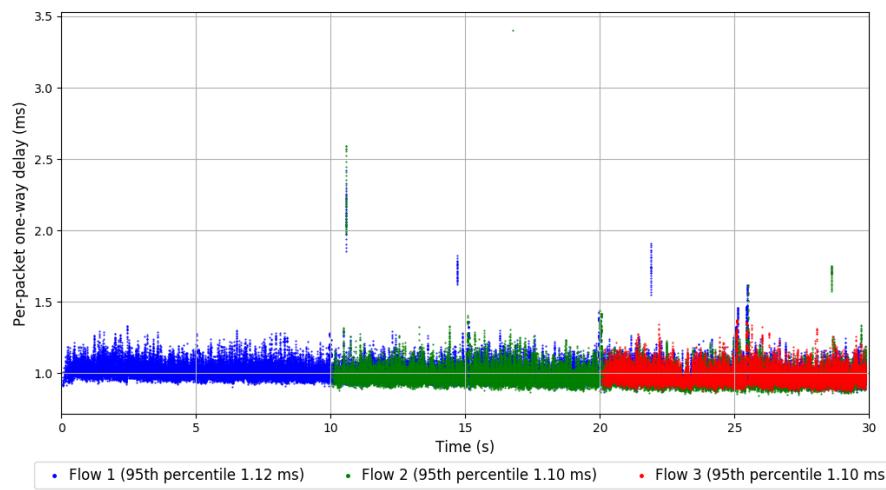
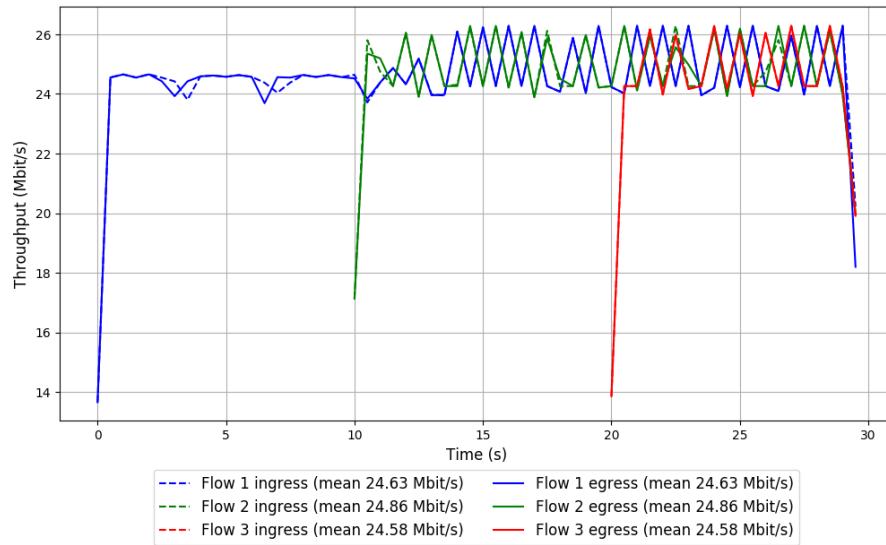


Run 10: Statistics of Sprout

```
Start at: 2018-02-20 14:27:40
End at: 2018-02-20 14:28:10
Local clock offset: 2.705 ms
Remote clock offset: -6.453 ms

# Below is generated by plot.py at 2018-02-20 20:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

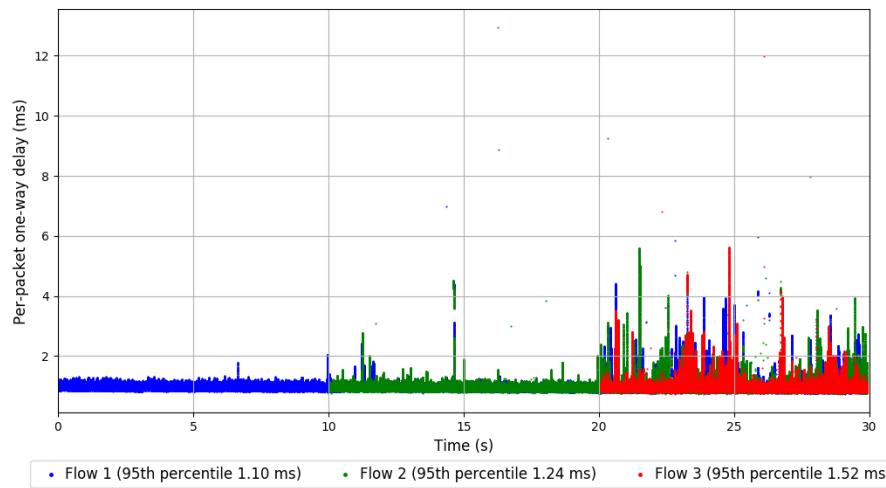
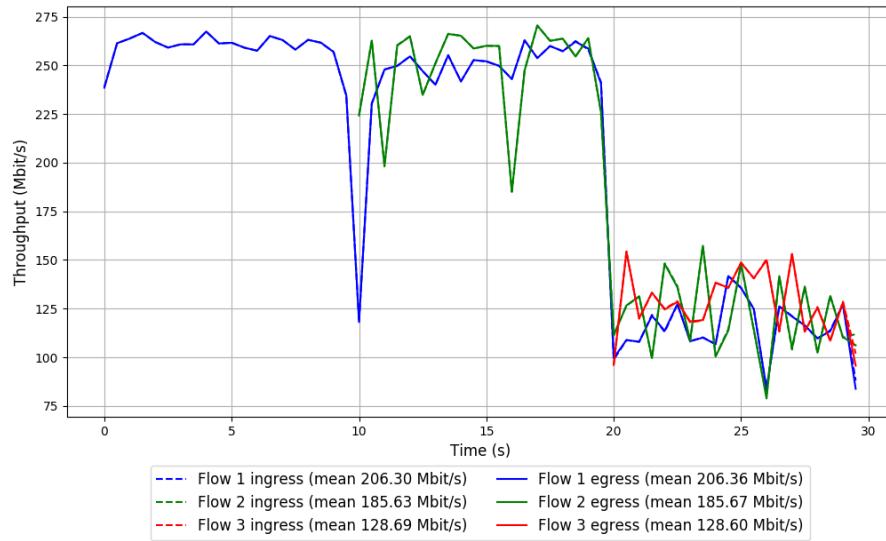


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-20 10:06:20
End at: 2018-02-20 10:06:50
Local clock offset: 0.906 ms
Remote clock offset: -5.35 ms

# Below is generated by plot.py at 2018-02-20 20:51:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.36 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 206.36 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 128.60 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.27%
```

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

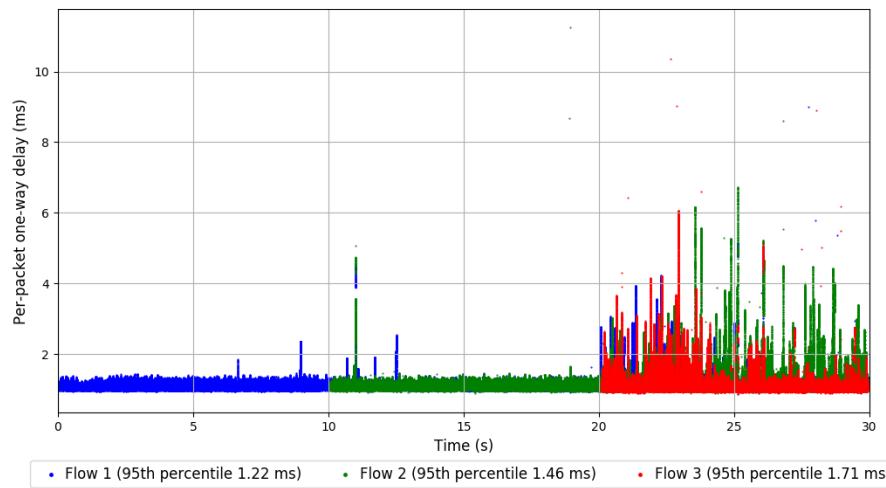
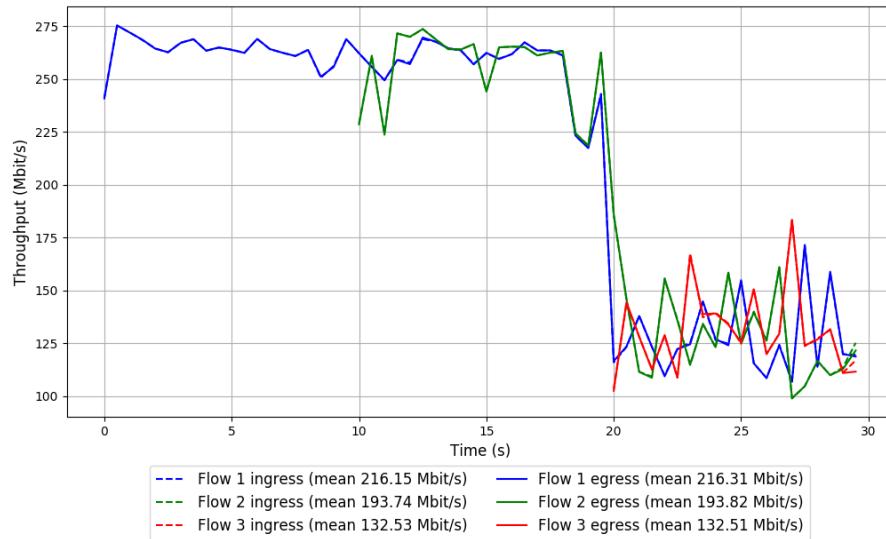


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-20 10:35:30
End at: 2018-02-20 10:36:00
Local clock offset: 0.995 ms
Remote clock offset: -6.593 ms

# Below is generated by plot.py at 2018-02-20 20:51:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.88 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 216.31 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 193.82 Mbit/s
95th percentile per-packet one-way delay: 1.455 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 132.51 Mbit/s
95th percentile per-packet one-way delay: 1.709 ms
Loss rate: 0.21%
```

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

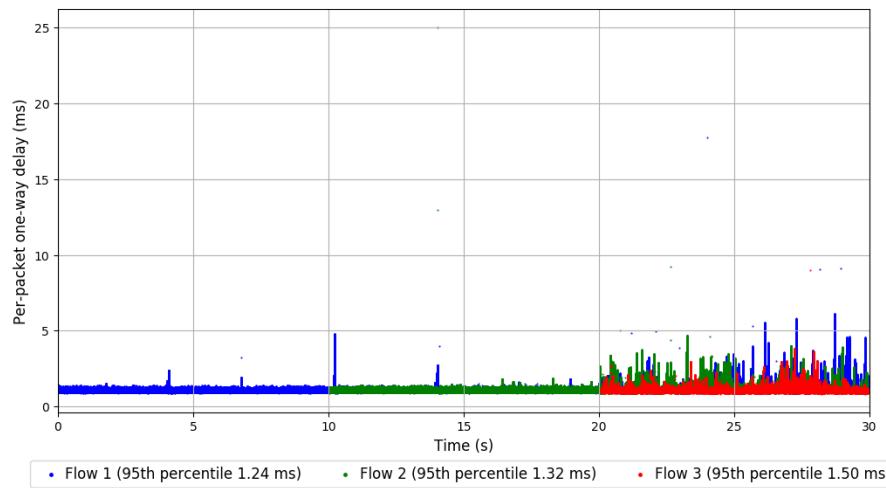
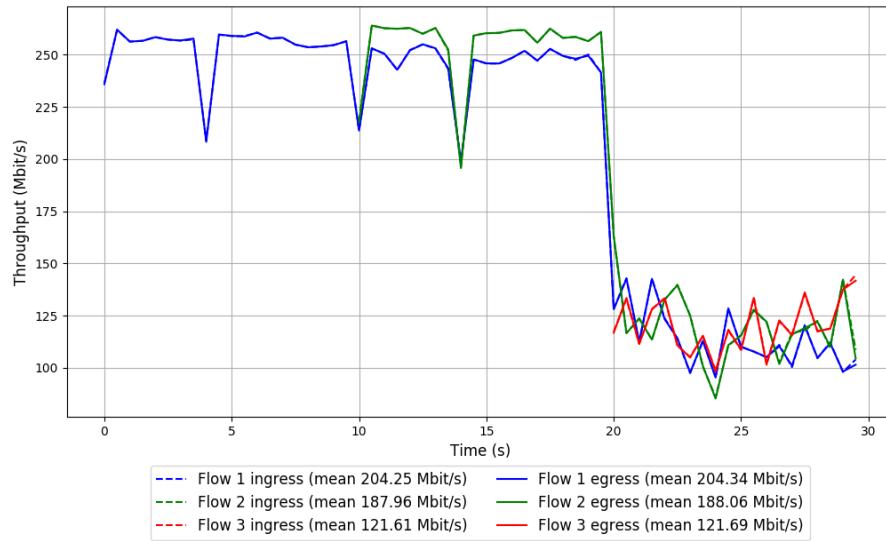


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-20 11:04:45
End at: 2018-02-20 11:05:15
Local clock offset: 0.942 ms
Remote clock offset: -6.56 ms

# Below is generated by plot.py at 2018-02-20 20:51:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.56 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 204.34 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.12%
```

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

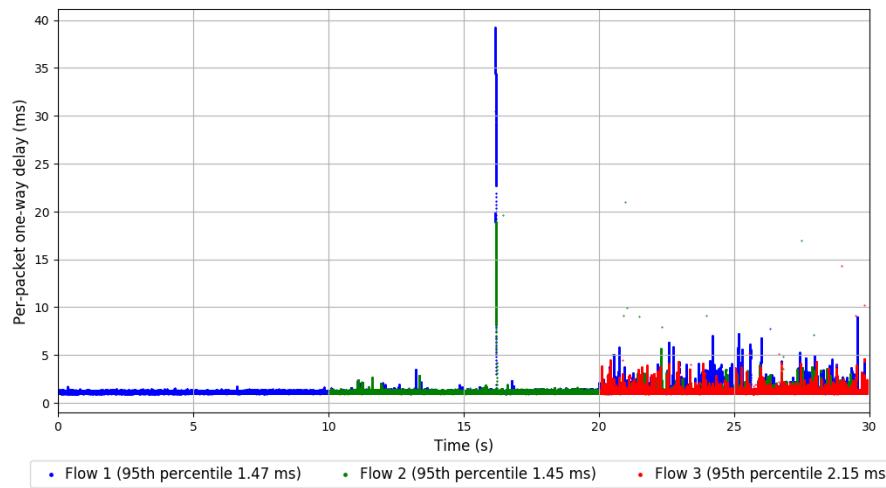
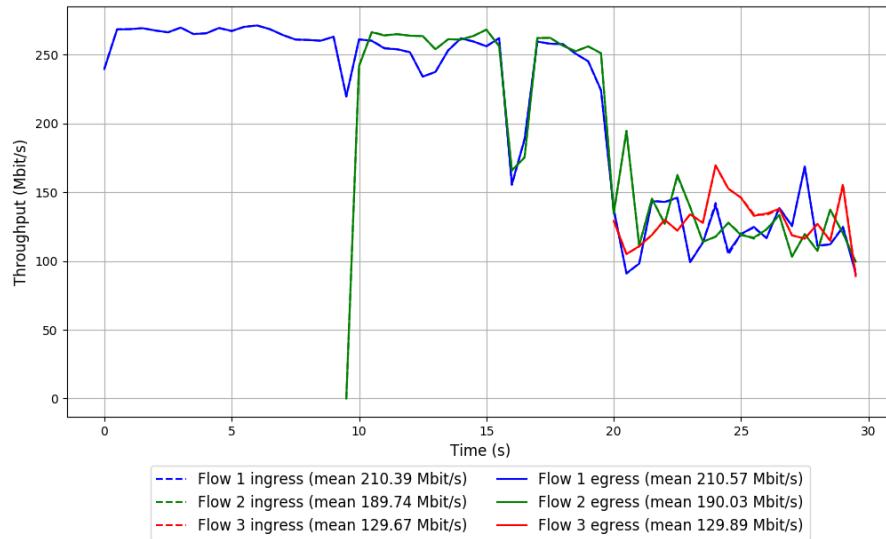


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-20 11:33:39
End at: 2018-02-20 11:34:09
Local clock offset: 0.462 ms
Remote clock offset: -4.751 ms

# Below is generated by plot.py at 2018-02-20 20:51:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.98 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 210.57 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 190.03 Mbit/s
95th percentile per-packet one-way delay: 1.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.89 Mbit/s
95th percentile per-packet one-way delay: 2.153 ms
Loss rate: 0.07%
```

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

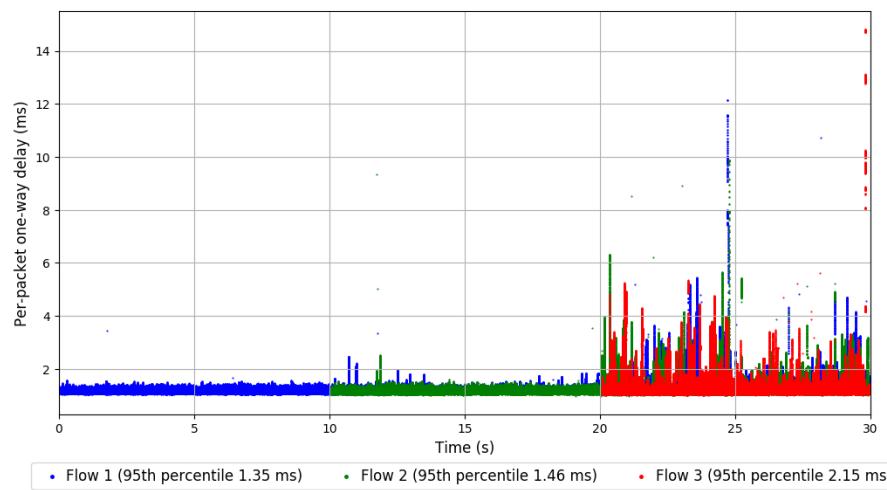
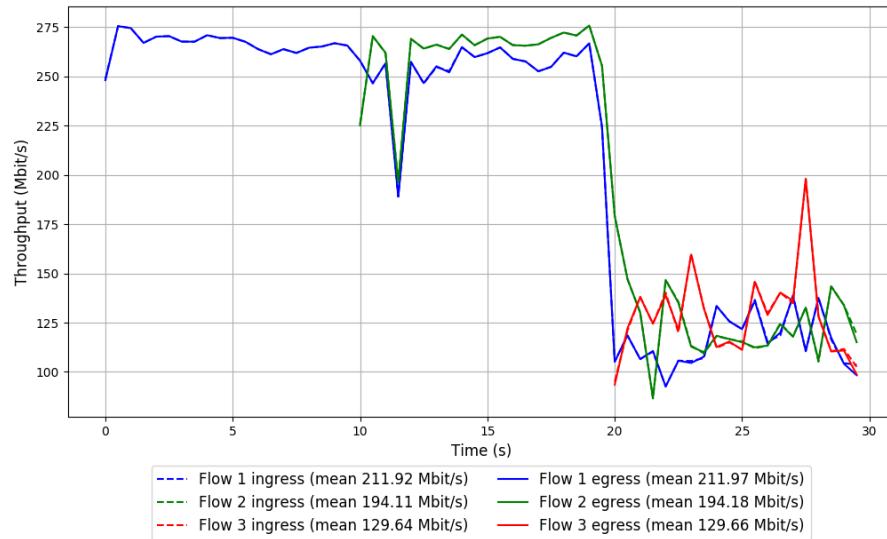


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-20 12:02:46
End at: 2018-02-20 12:03:16
Local clock offset: -0.52 ms
Remote clock offset: -4.147 ms

# Below is generated by plot.py at 2018-02-20 20:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.95 Mbit/s
95th percentile per-packet one-way delay: 1.464 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 211.97 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 194.18 Mbit/s
95th percentile per-packet one-way delay: 1.462 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 129.66 Mbit/s
95th percentile per-packet one-way delay: 2.154 ms
Loss rate: 0.19%
```

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

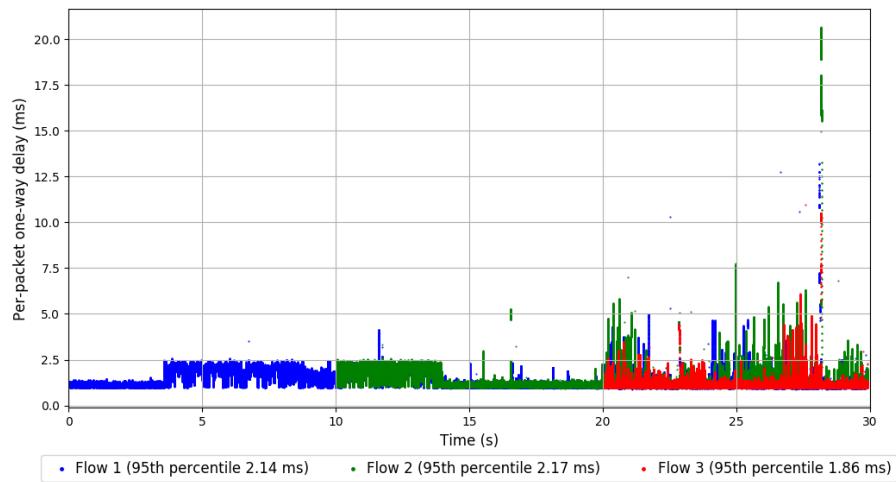
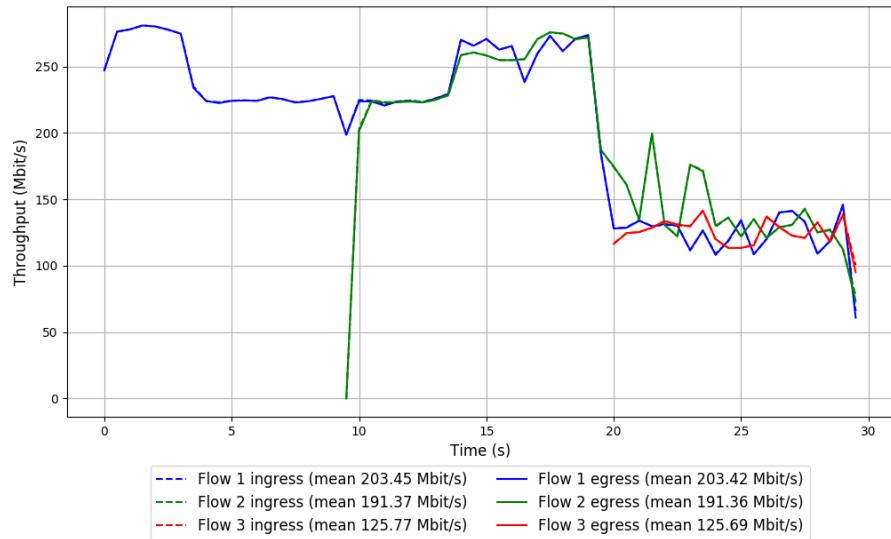


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-20 12:31:58
End at: 2018-02-20 12:32:28
Local clock offset: 1.111 ms
Remote clock offset: -5.264 ms

# Below is generated by plot.py at 2018-02-20 20:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.37 Mbit/s
95th percentile per-packet one-way delay: 2.143 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 203.42 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 191.36 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 125.69 Mbit/s
95th percentile per-packet one-way delay: 1.864 ms
Loss rate: 0.22%
```

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

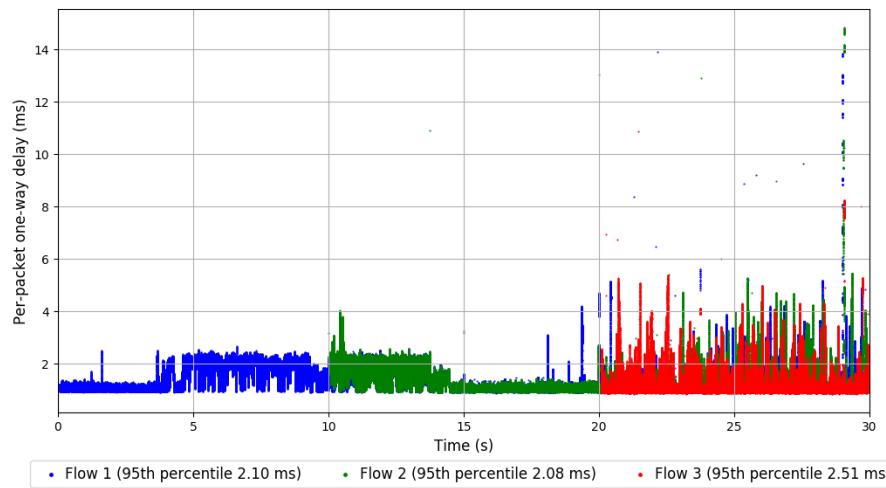
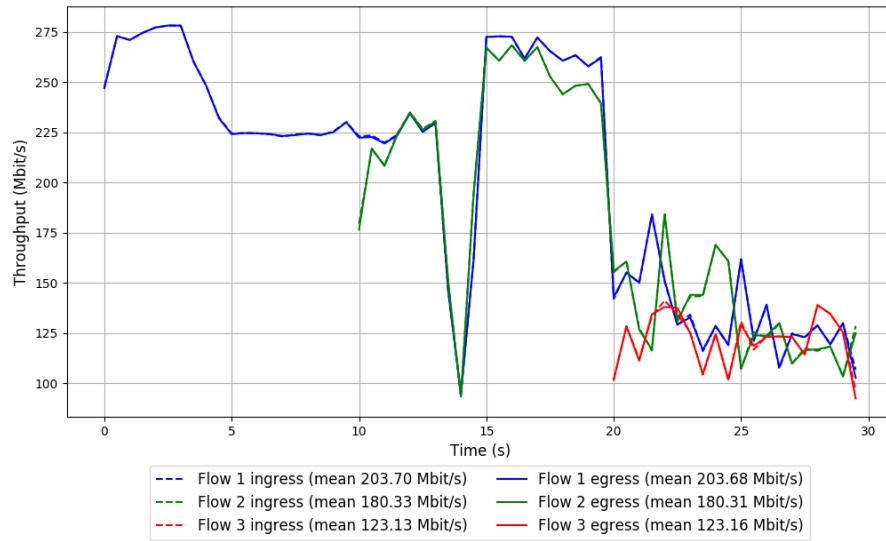


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-20 13:01:13
End at: 2018-02-20 13:01:43
Local clock offset: 1.38 ms
Remote clock offset: -6.304 ms

# Below is generated by plot.py at 2018-02-20 20:52:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.21 Mbit/s
95th percentile per-packet one-way delay: 2.104 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 203.68 Mbit/s
95th percentile per-packet one-way delay: 2.098 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 180.31 Mbit/s
95th percentile per-packet one-way delay: 2.075 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 123.16 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.17%
```

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

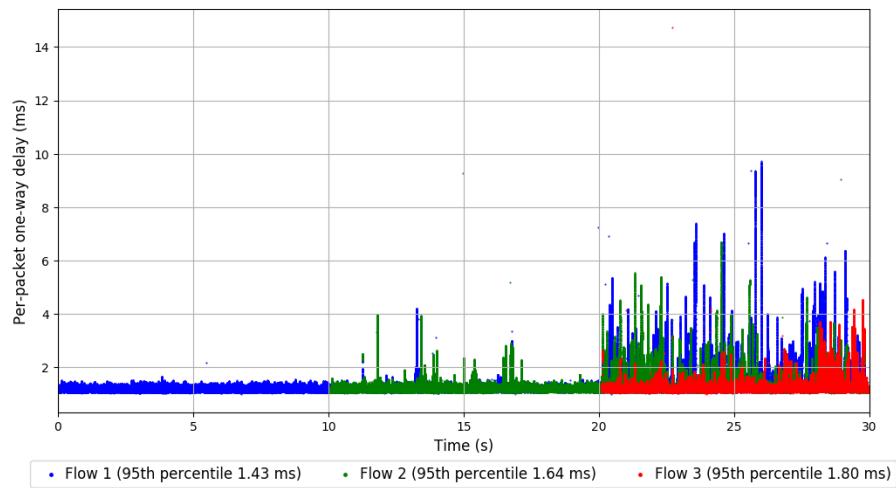
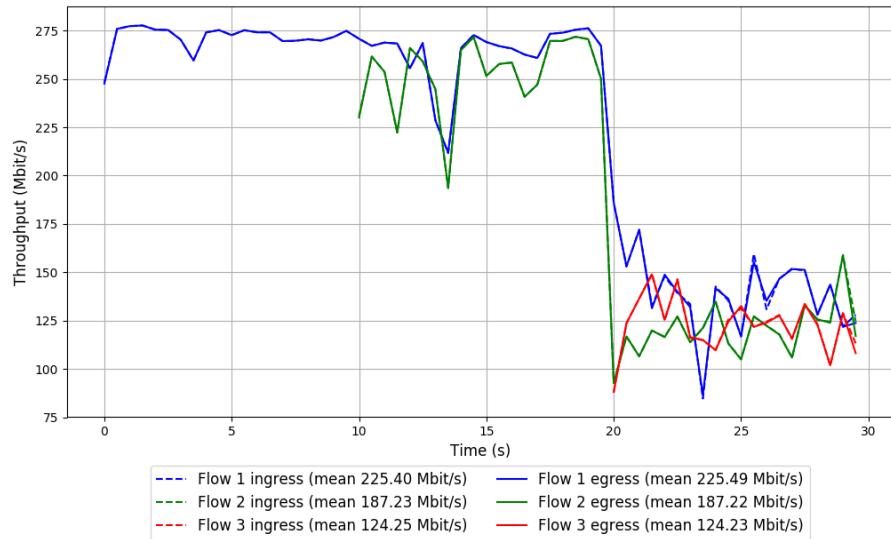


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-20 13:30:23
End at: 2018-02-20 13:30:53
Local clock offset: 1.209 ms
Remote clock offset: -7.121 ms

# Below is generated by plot.py at 2018-02-20 20:53:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.96 Mbit/s
95th percentile per-packet one-way delay: 1.570 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 225.49 Mbit/s
95th percentile per-packet one-way delay: 1.430 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 187.22 Mbit/s
95th percentile per-packet one-way delay: 1.641 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 124.23 Mbit/s
95th percentile per-packet one-way delay: 1.799 ms
Loss rate: 0.22%
```

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

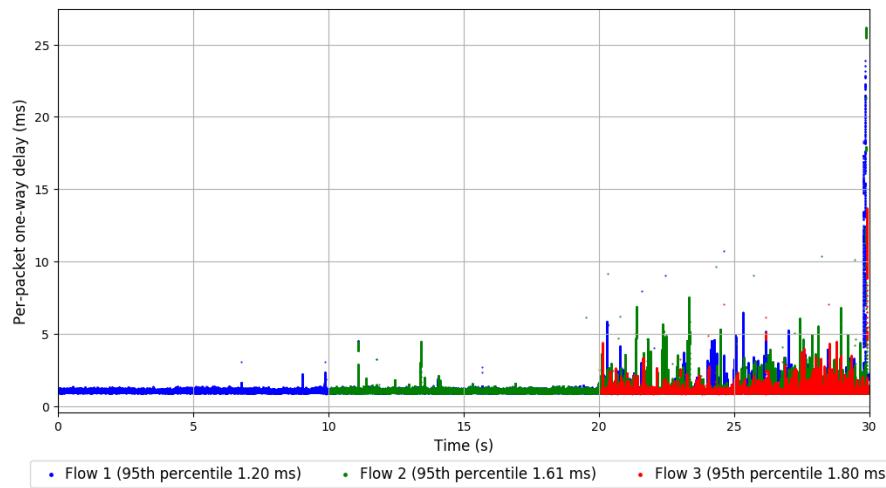
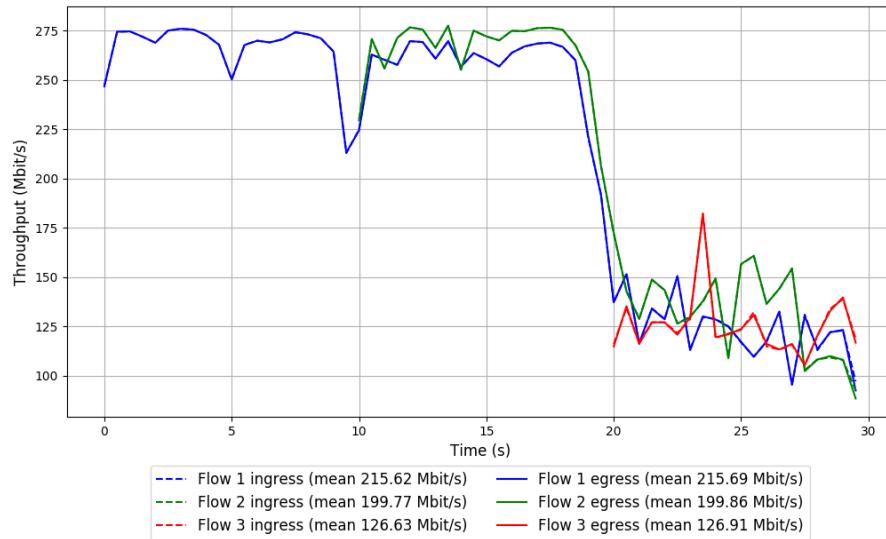


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-20 13:59:47
End at: 2018-02-20 14:00:17
Local clock offset: 1.197 ms
Remote clock offset: -6.666 ms

# Below is generated by plot.py at 2018-02-20 21:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.52 Mbit/s
95th percentile per-packet one-way delay: 1.392 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 215.69 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 199.86 Mbit/s
95th percentile per-packet one-way delay: 1.612 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 126.91 Mbit/s
95th percentile per-packet one-way delay: 1.798 ms
Loss rate: 0.09%
```

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

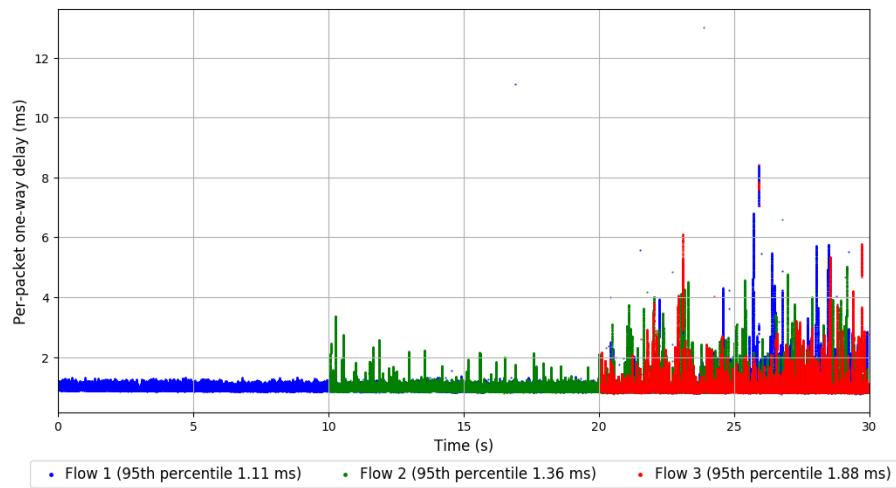
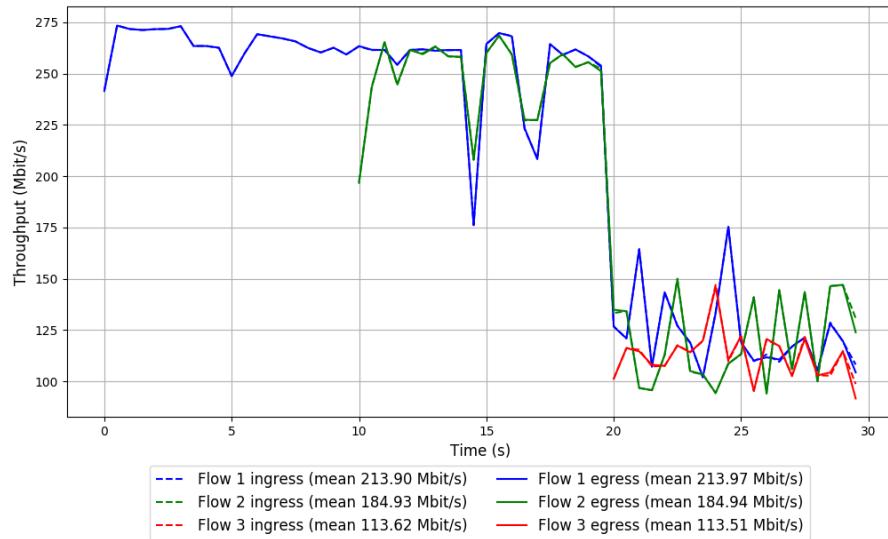


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-20 14:29:00
End at: 2018-02-20 14:29:30
Local clock offset: 2.857 ms
Remote clock offset: -6.437 ms

# Below is generated by plot.py at 2018-02-20 21:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 374.64 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 184.94 Mbit/s
95th percentile per-packet one-way delay: 1.360 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 113.51 Mbit/s
95th percentile per-packet one-way delay: 1.878 ms
Loss rate: 0.31%
```

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

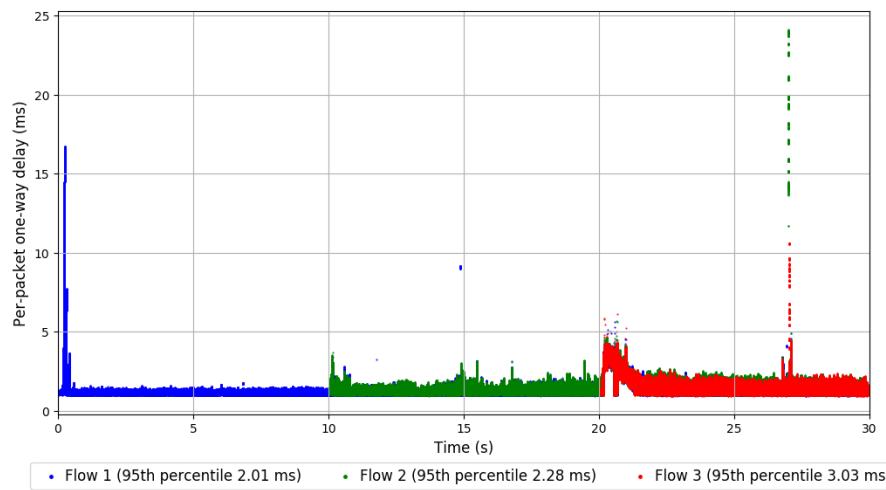
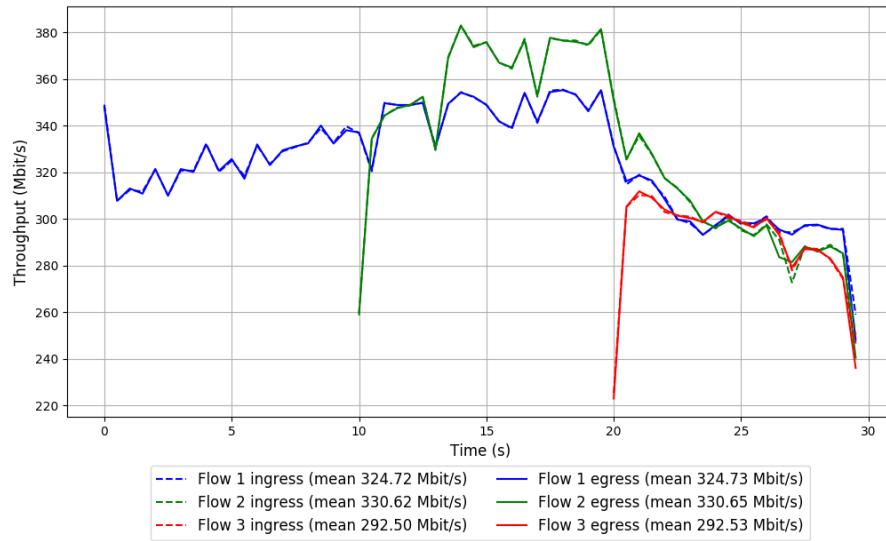


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-20 10:12:49
End at: 2018-02-20 10:13:19
Local clock offset: 1.047 ms
Remote clock offset: -6.042 ms

# Below is generated by plot.py at 2018-02-20 21:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 641.65 Mbit/s
95th percentile per-packet one-way delay: 2.290 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 324.73 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 330.65 Mbit/s
95th percentile per-packet one-way delay: 2.279 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 292.53 Mbit/s
95th percentile per-packet one-way delay: 3.032 ms
Loss rate: 0.19%
```

Run 1: Report of TCP Vegas — Data Link

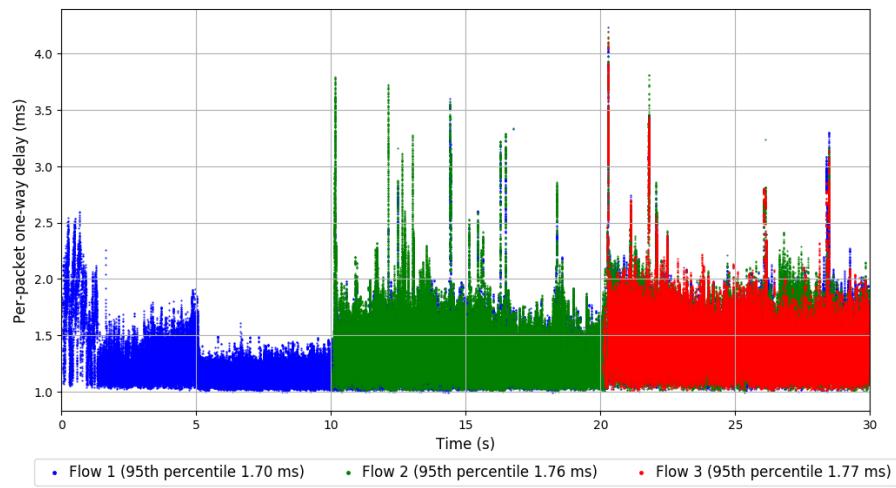
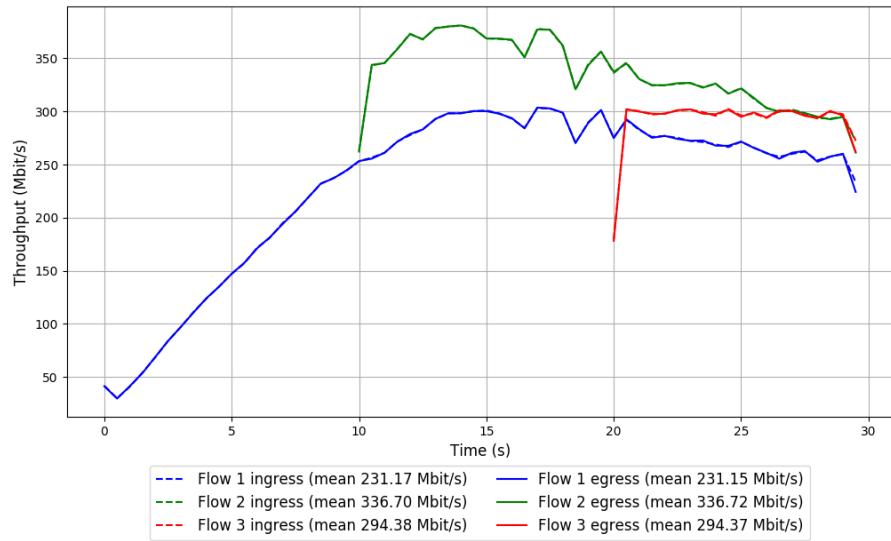


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-20 10:42:01
End at: 2018-02-20 10:42:31
Local clock offset: 0.967 ms
Remote clock offset: -6.611 ms

# Below is generated by plot.py at 2018-02-20 21:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.39 Mbit/s
95th percentile per-packet one-way delay: 1.741 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 231.15 Mbit/s
95th percentile per-packet one-way delay: 1.699 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 336.72 Mbit/s
95th percentile per-packet one-way delay: 1.761 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 294.37 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.21%
```

Run 2: Report of TCP Vegas — Data Link

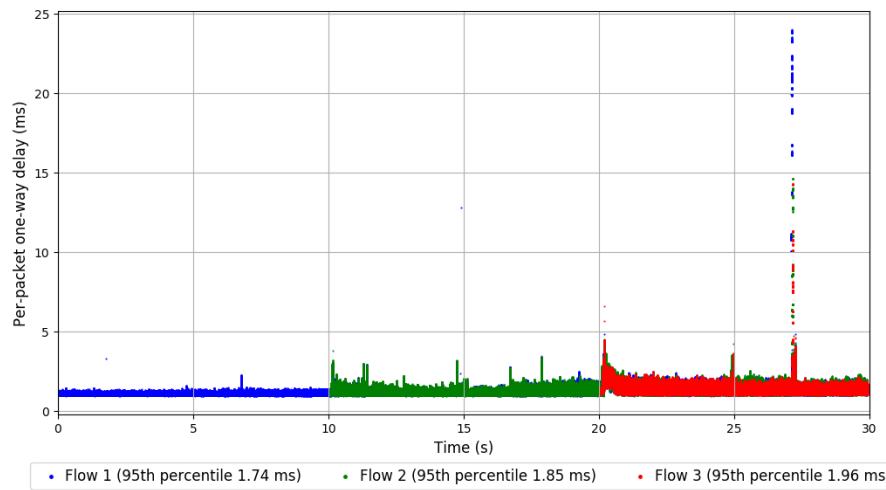
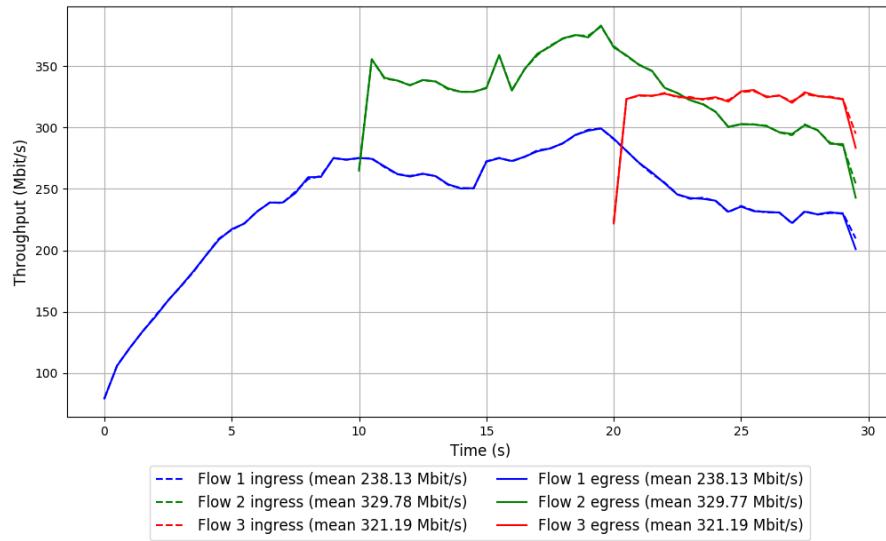


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-20 11:11:14
End at: 2018-02-20 11:11:44
Local clock offset: 0.914 ms
Remote clock offset: -6.665 ms

# Below is generated by plot.py at 2018-02-20 21:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 563.83 Mbit/s
95th percentile per-packet one-way delay: 1.831 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 238.13 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 329.77 Mbit/s
95th percentile per-packet one-way delay: 1.850 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.19 Mbit/s
95th percentile per-packet one-way delay: 1.958 ms
Loss rate: 0.20%
```

Run 3: Report of TCP Vegas — Data Link

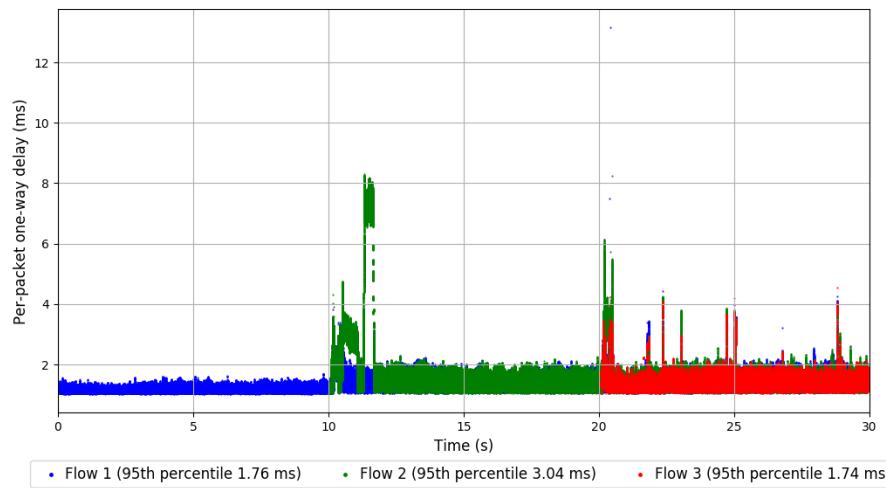
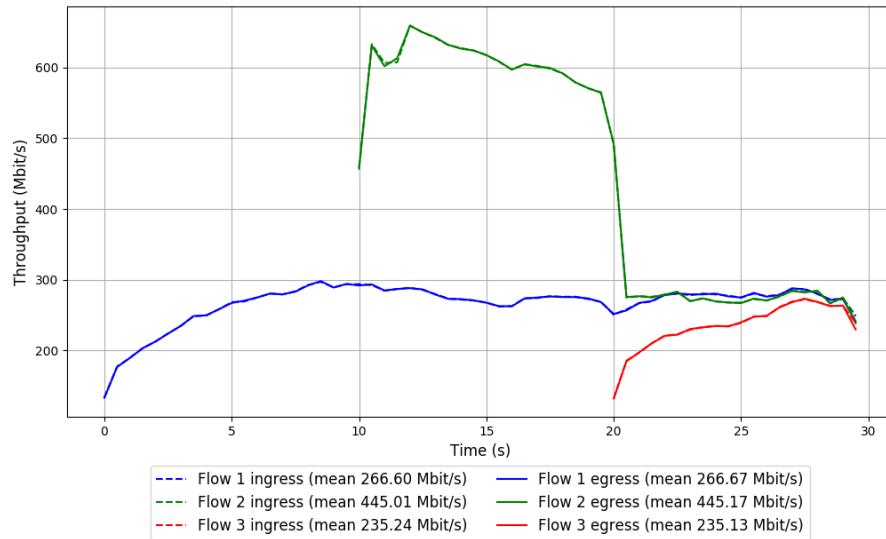


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-20 11:40:08
End at: 2018-02-20 11:40:38
Local clock offset: 0.105 ms
Remote clock offset: -4.531 ms

# Below is generated by plot.py at 2018-02-20 21:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.89 Mbit/s
95th percentile per-packet one-way delay: 2.040 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 266.67 Mbit/s
95th percentile per-packet one-way delay: 1.756 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 445.17 Mbit/s
95th percentile per-packet one-way delay: 3.041 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 1.743 ms
Loss rate: 0.21%
```

Run 4: Report of TCP Vegas — Data Link

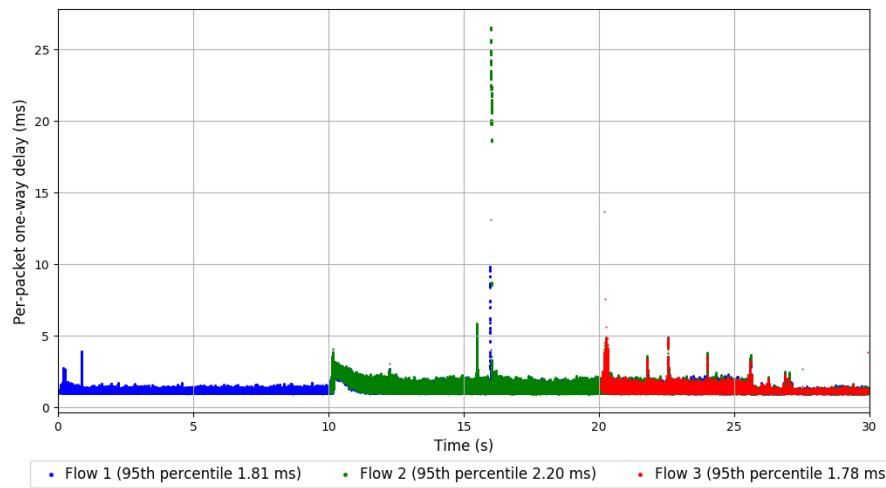
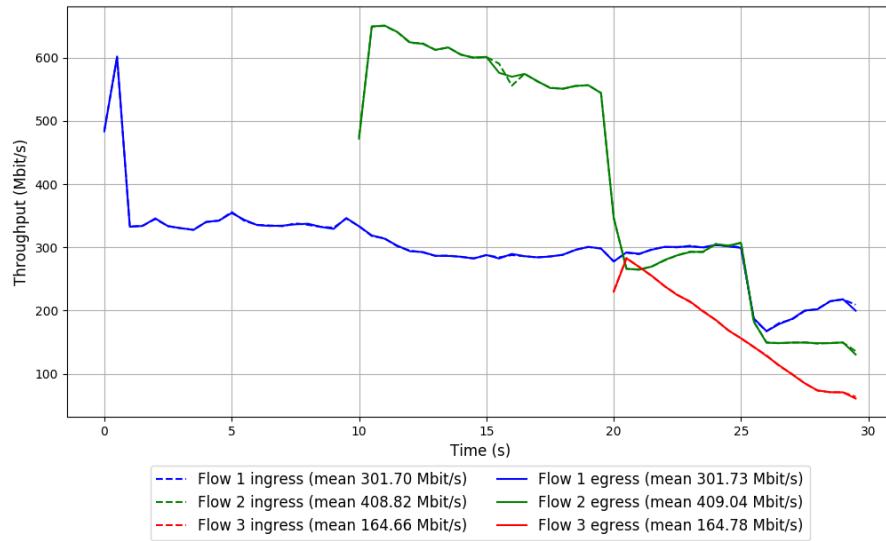


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-20 12:09:16
End at: 2018-02-20 12:09:46
Local clock offset: 0.159 ms
Remote clock offset: -4.046 ms

# Below is generated by plot.py at 2018-02-20 21:01:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 628.55 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 301.73 Mbit/s
95th percentile per-packet one-way delay: 1.806 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 409.04 Mbit/s
95th percentile per-packet one-way delay: 2.202 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 164.78 Mbit/s
95th percentile per-packet one-way delay: 1.778 ms
Loss rate: 0.08%
```

Run 5: Report of TCP Vegas — Data Link

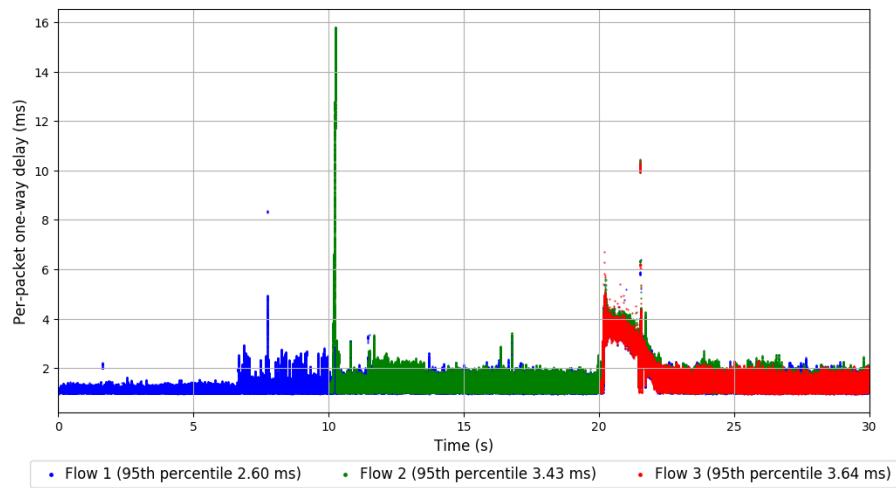
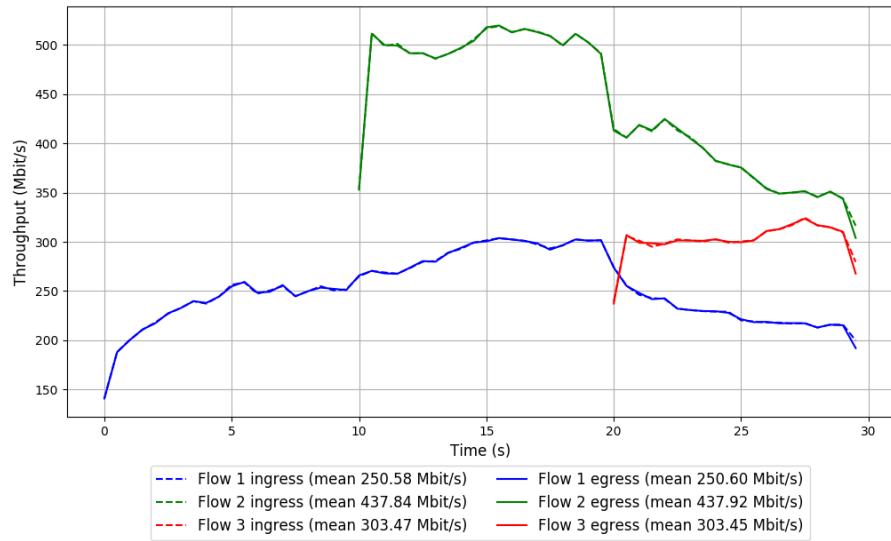


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-20 12:38:26
End at: 2018-02-20 12:38:56
Local clock offset: 1.206 ms
Remote clock offset: -5.532 ms

# Below is generated by plot.py at 2018-02-20 21:02:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 642.67 Mbit/s
95th percentile per-packet one-way delay: 3.379 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 437.92 Mbit/s
95th percentile per-packet one-way delay: 3.428 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 303.45 Mbit/s
95th percentile per-packet one-way delay: 3.636 ms
Loss rate: 0.20%
```

Run 6: Report of TCP Vegas — Data Link

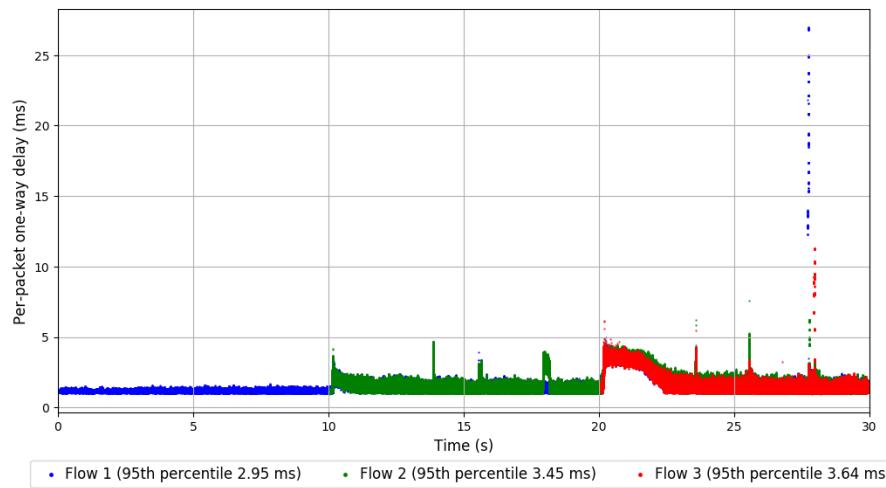
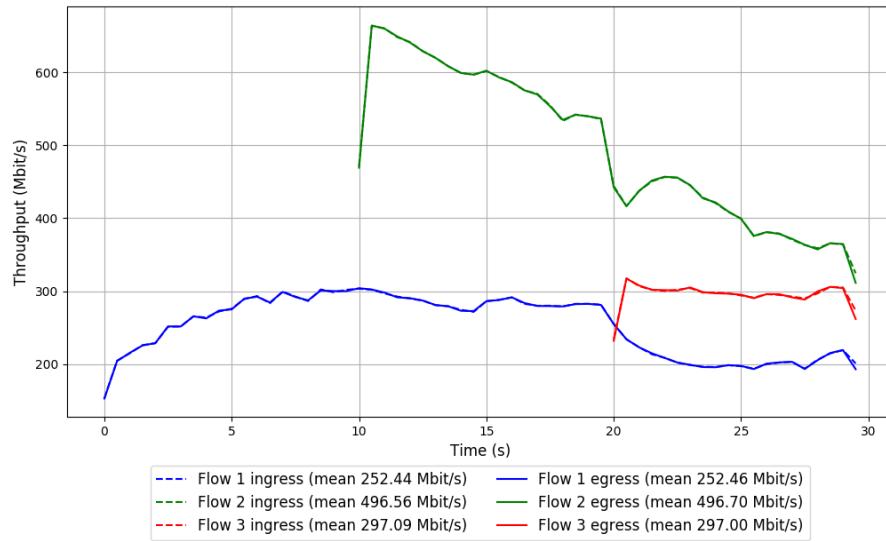


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-20 13:07:41
End at: 2018-02-20 13:08:11
Local clock offset: 1.386 ms
Remote clock offset: -6.671 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 681.47 Mbit/s
95th percentile per-packet one-way delay: 3.443 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 252.46 Mbit/s
95th percentile per-packet one-way delay: 2.949 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 496.70 Mbit/s
95th percentile per-packet one-way delay: 3.452 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 297.00 Mbit/s
95th percentile per-packet one-way delay: 3.644 ms
Loss rate: 0.21%
```

Run 7: Report of TCP Vegas — Data Link

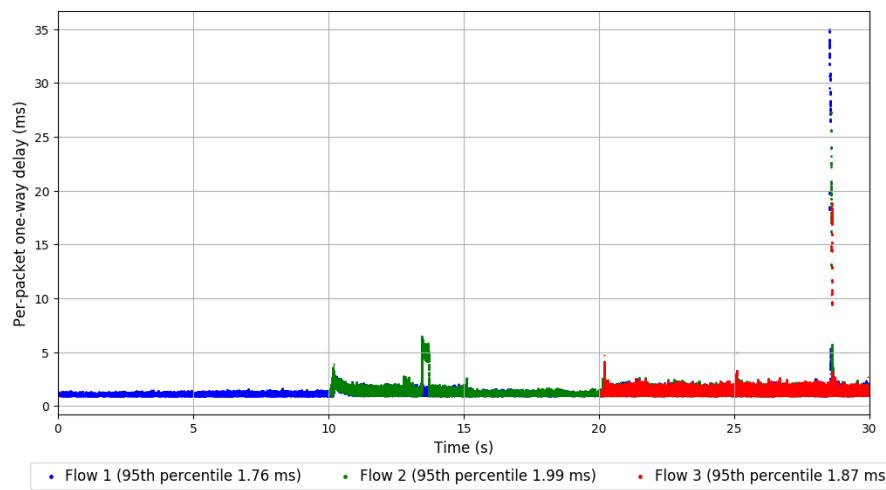
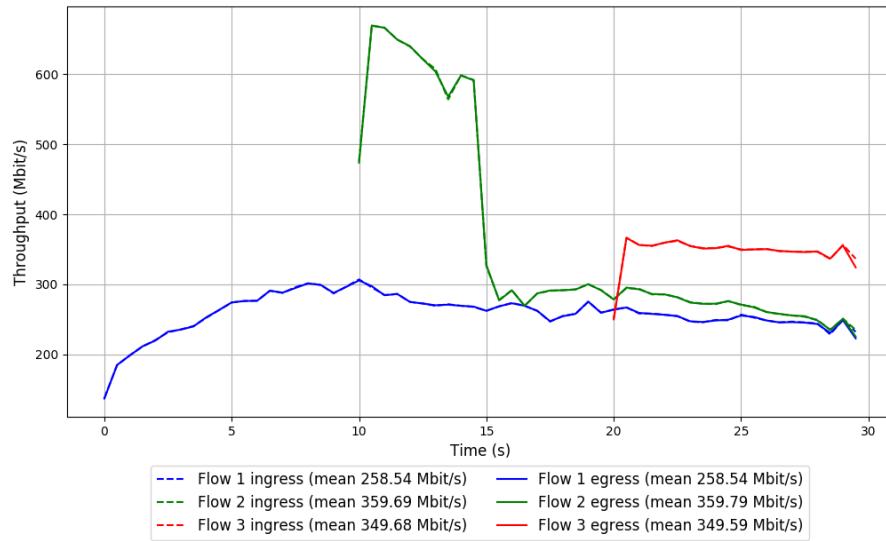


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-20 13:37:01
End at: 2018-02-20 13:37:31
Local clock offset: 1.169 ms
Remote clock offset: -6.792 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 613.54 Mbit/s
95th percentile per-packet one-way delay: 1.862 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 258.54 Mbit/s
95th percentile per-packet one-way delay: 1.759 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 359.79 Mbit/s
95th percentile per-packet one-way delay: 1.990 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 349.59 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.20%
```

Run 8: Report of TCP Vegas — Data Link

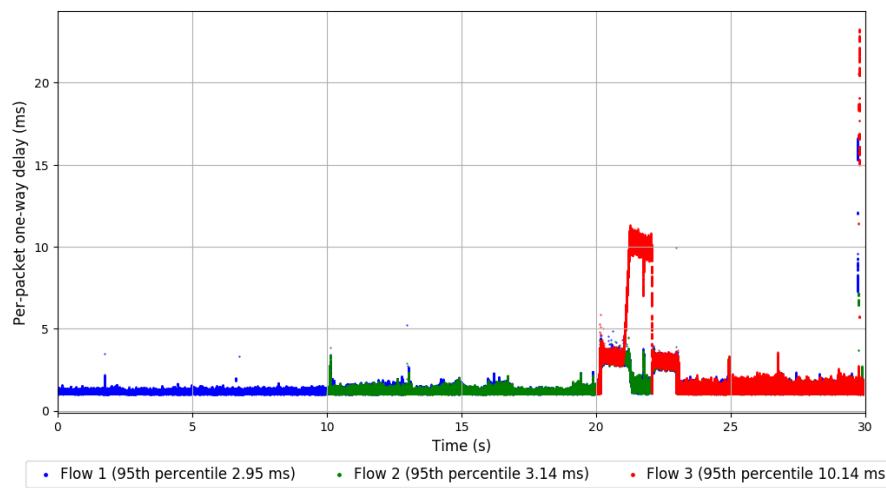
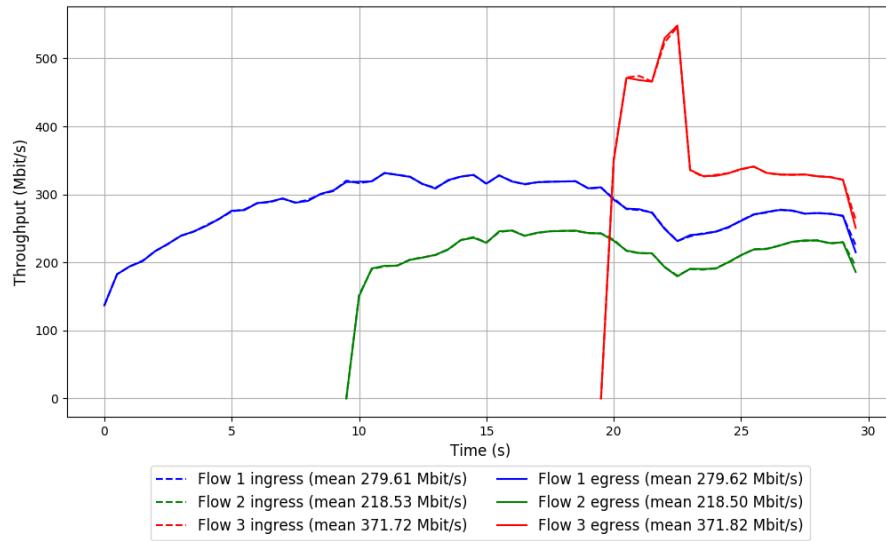


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-20 14:06:23
End at: 2018-02-20 14:06:53
Local clock offset: 1.223 ms
Remote clock offset: -6.632 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 548.44 Mbit/s
95th percentile per-packet one-way delay: 3.370 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 279.62 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 218.50 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 371.82 Mbit/s
95th percentile per-packet one-way delay: 10.140 ms
Loss rate: 0.17%
```

Run 9: Report of TCP Vegas — Data Link

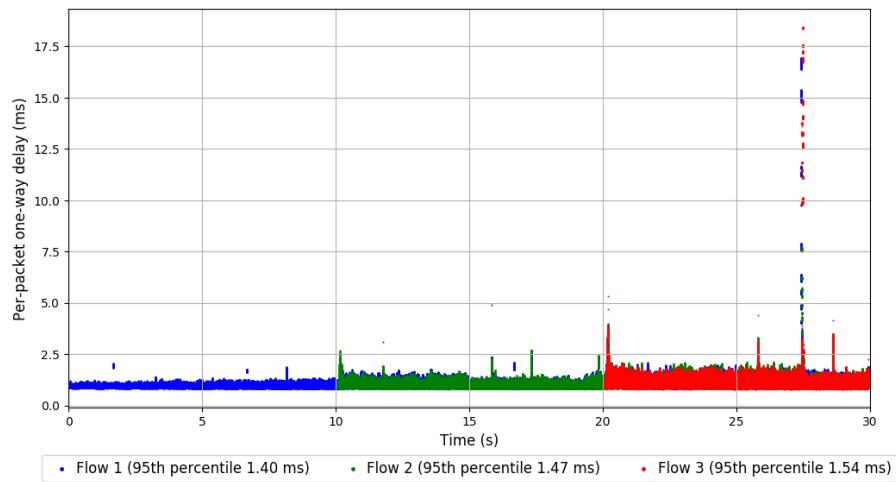
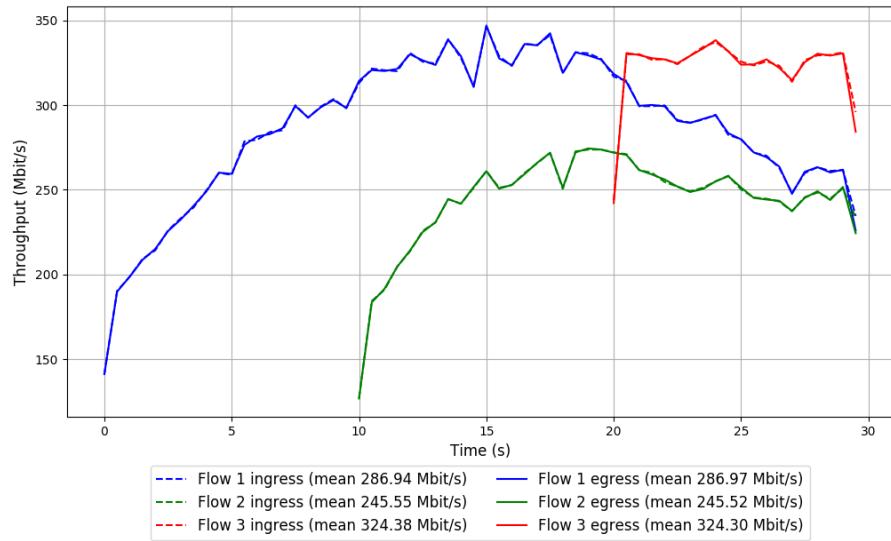


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-20 14:35:30
End at: 2018-02-20 14:36:00
Local clock offset: 3.439 ms
Remote clock offset: -6.439 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.46 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 286.97 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 245.52 Mbit/s
95th percentile per-packet one-way delay: 1.471 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 324.30 Mbit/s
95th percentile per-packet one-way delay: 1.537 ms
Loss rate: 0.20%
```

Run 10: Report of TCP Vegas — Data Link

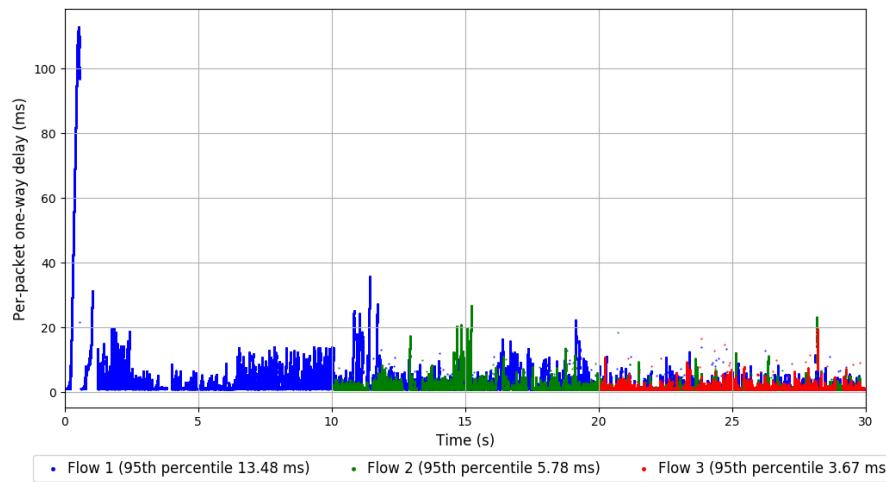
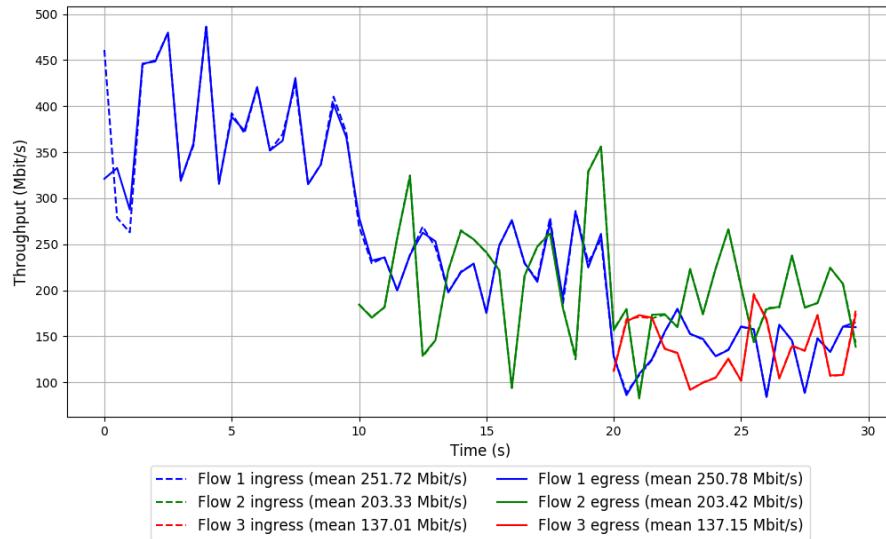


Run 1: Statistics of Verus

```
Start at: 2018-02-20 09:56:05
End at: 2018-02-20 09:56:35
Local clock offset: 0.339 ms
Remote clock offset: -5.118 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.56 Mbit/s
95th percentile per-packet one-way delay: 11.287 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 250.78 Mbit/s
95th percentile per-packet one-way delay: 13.482 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 203.42 Mbit/s
95th percentile per-packet one-way delay: 5.775 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 137.15 Mbit/s
95th percentile per-packet one-way delay: 3.669 ms
Loss rate: 0.15%
```

Run 1: Report of Verus — Data Link

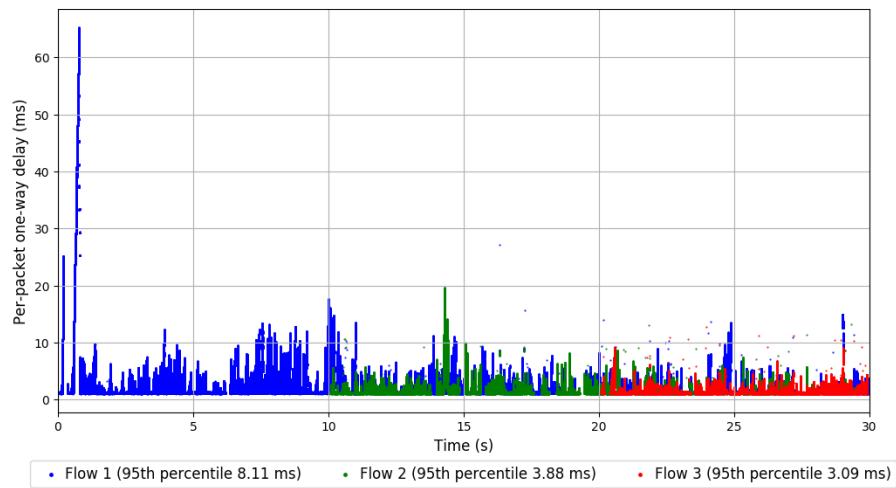
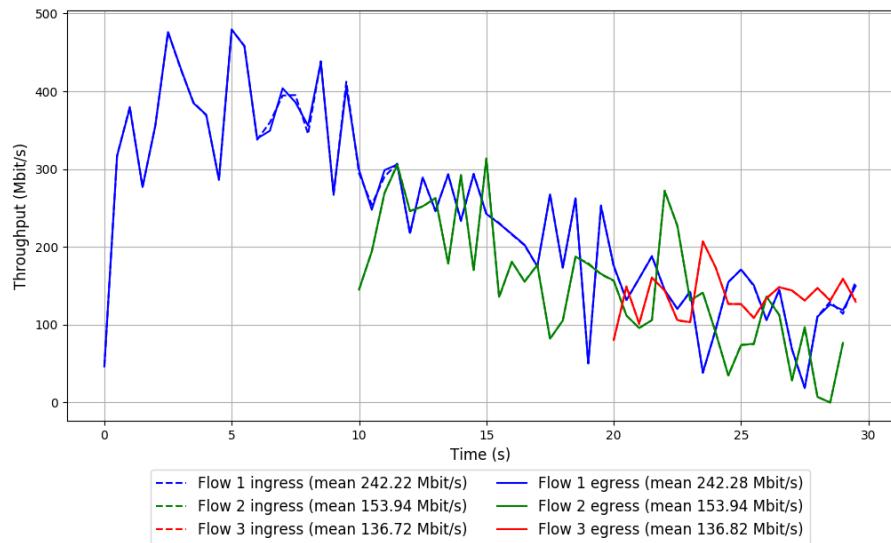


Run 2: Statistics of Verus

```
Start at: 2018-02-20 10:25:29
End at: 2018-02-20 10:25:59
Local clock offset: 1.083 ms
Remote clock offset: -6.523 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.18 Mbit/s
95th percentile per-packet one-way delay: 6.739 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 242.28 Mbit/s
95th percentile per-packet one-way delay: 8.114 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 153.94 Mbit/s
95th percentile per-packet one-way delay: 3.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.82 Mbit/s
95th percentile per-packet one-way delay: 3.088 ms
Loss rate: 0.08%
```

Run 2: Report of Verus — Data Link

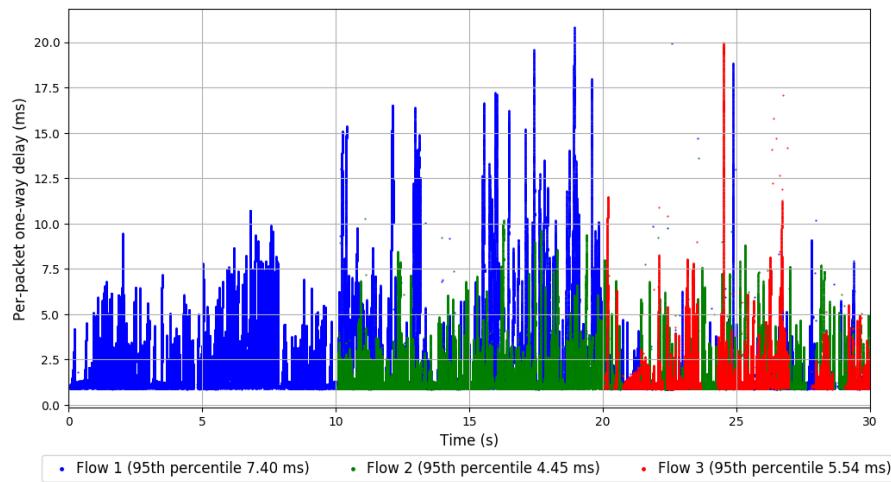
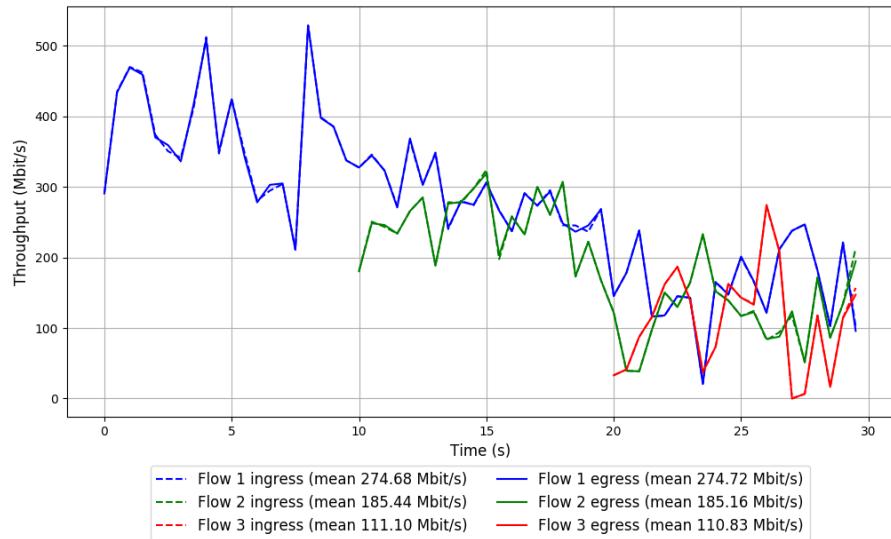


Run 3: Statistics of Verus

```
Start at: 2018-02-20 10:54:41
End at: 2018-02-20 10:55:11
Local clock offset: 0.852 ms
Remote clock offset: -6.588 ms

# Below is generated by plot.py at 2018-02-20 21:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 434.69 Mbit/s
95th percentile per-packet one-way delay: 6.397 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 274.72 Mbit/s
95th percentile per-packet one-way delay: 7.400 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 185.16 Mbit/s
95th percentile per-packet one-way delay: 4.447 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 110.83 Mbit/s
95th percentile per-packet one-way delay: 5.535 ms
Loss rate: 0.44%
```

Run 3: Report of Verus — Data Link

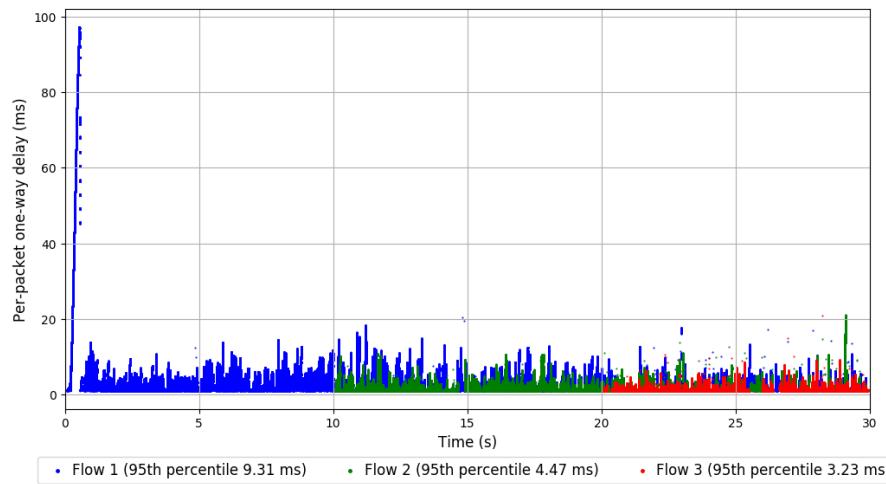
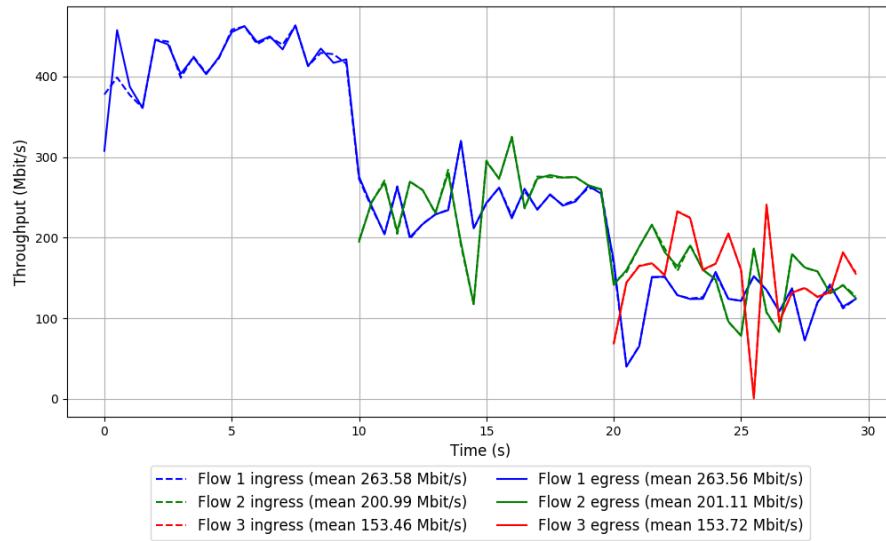


Run 4: Statistics of Verus

```
Start at: 2018-02-20 11:23:34
End at: 2018-02-20 11:24:04
Local clock offset: 0.961 ms
Remote clock offset: -5.235 ms

# Below is generated by plot.py at 2018-02-20 21:09:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.21 Mbit/s
95th percentile per-packet one-way delay: 7.676 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 263.56 Mbit/s
95th percentile per-packet one-way delay: 9.311 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 201.11 Mbit/s
95th percentile per-packet one-way delay: 4.475 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 153.72 Mbit/s
95th percentile per-packet one-way delay: 3.229 ms
Loss rate: 0.06%
```

Run 4: Report of Verus — Data Link

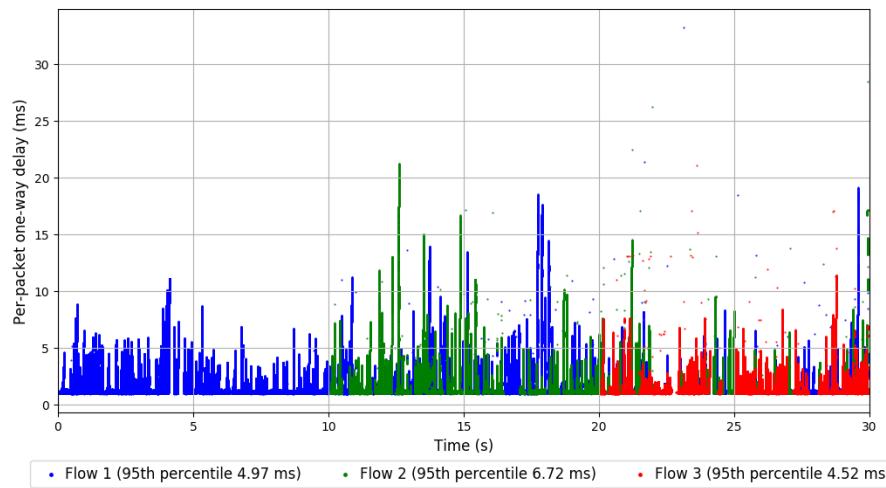
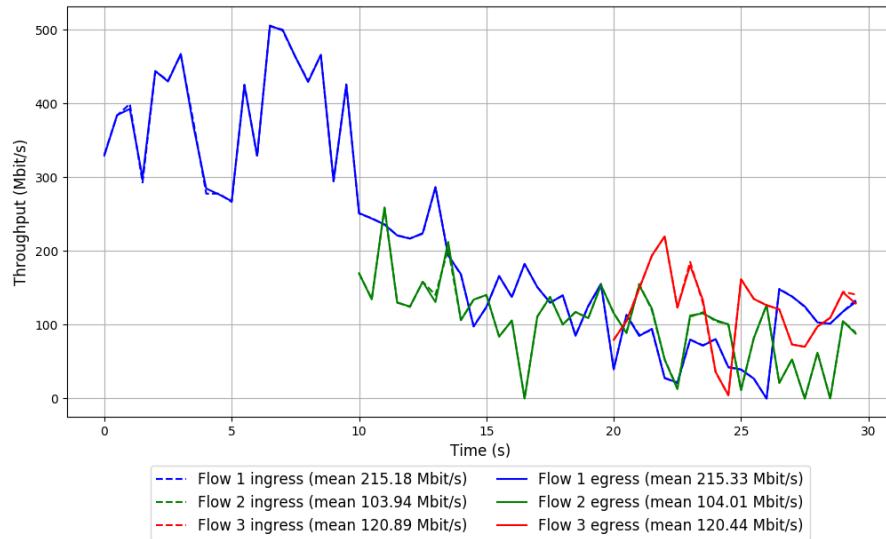


Run 5: Statistics of Verus

```
Start at: 2018-02-20 11:52:50
End at: 2018-02-20 11:53:20
Local clock offset: -0.309 ms
Remote clock offset: -4.267 ms

# Below is generated by plot.py at 2018-02-20 21:10:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.47 Mbit/s
95th percentile per-packet one-way delay: 5.233 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 215.33 Mbit/s
95th percentile per-packet one-way delay: 4.970 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 104.01 Mbit/s
95th percentile per-packet one-way delay: 6.725 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 120.44 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.54%
```

Run 5: Report of Verus — Data Link

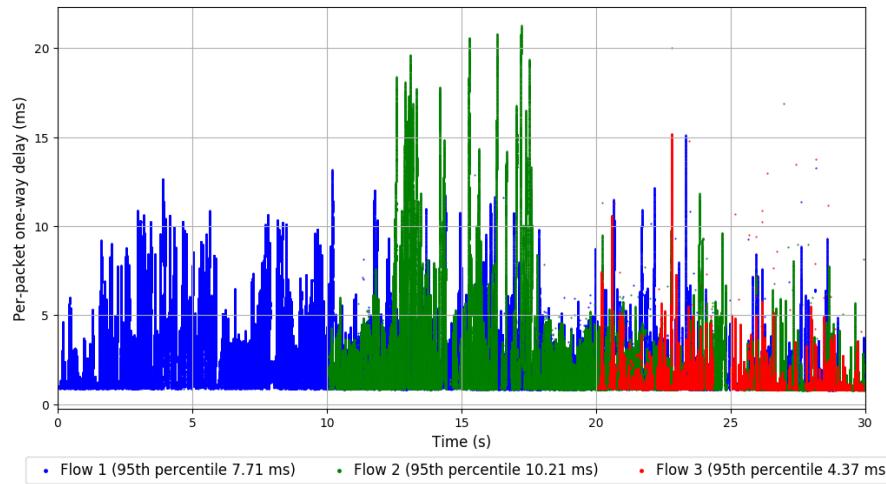
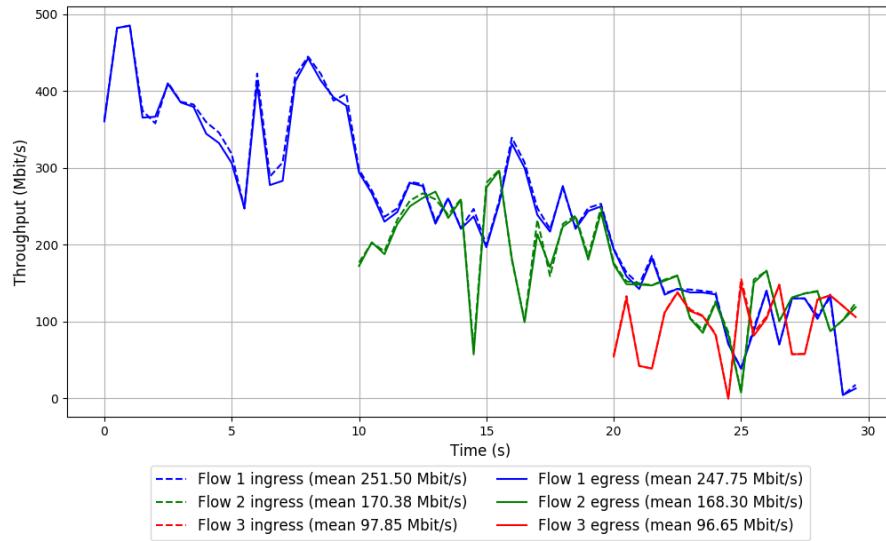


Run 6: Statistics of Verus

```
Start at: 2018-02-20 12:21:58
End at: 2018-02-20 12:22:28
Local clock offset: 0.921 ms
Remote clock offset: -4.148 ms

# Below is generated by plot.py at 2018-02-20 21:12:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.62 Mbit/s
95th percentile per-packet one-way delay: 7.921 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 247.75 Mbit/s
95th percentile per-packet one-way delay: 7.714 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 168.30 Mbit/s
95th percentile per-packet one-way delay: 10.212 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 4.366 ms
Loss rate: 1.23%
```

Run 6: Report of Verus — Data Link

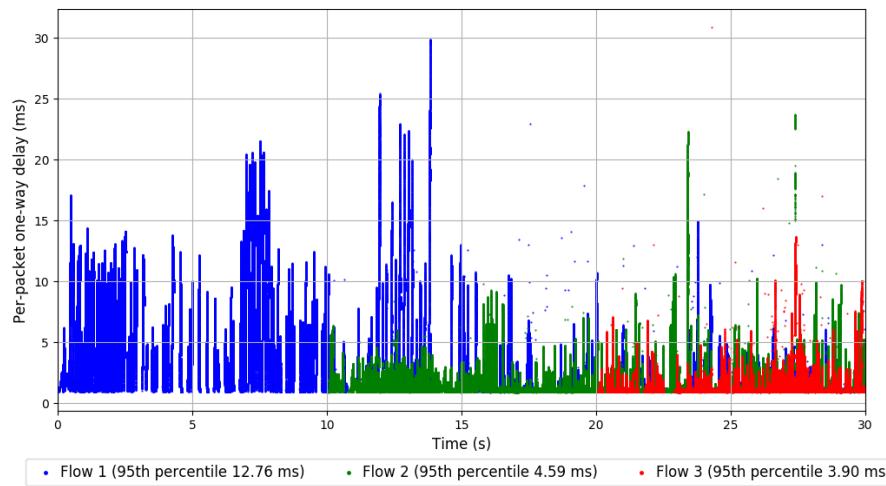
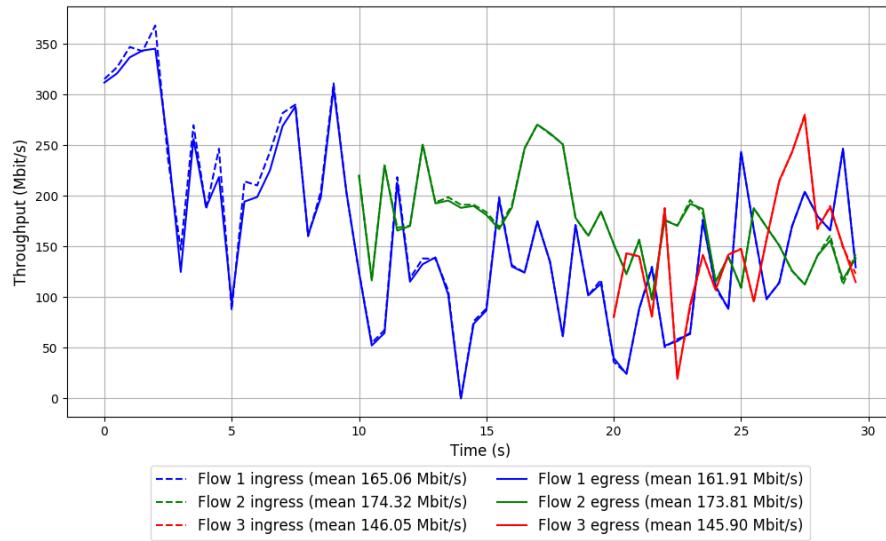


Run 7: Statistics of Verus

```
Start at: 2018-02-20 12:51:11
End at: 2018-02-20 12:51:41
Local clock offset: 1.204 ms
Remote clock offset: -5.889 ms

# Below is generated by plot.py at 2018-02-20 21:12:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.90 Mbit/s
95th percentile per-packet one-way delay: 10.540 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 161.91 Mbit/s
95th percentile per-packet one-way delay: 12.764 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 173.81 Mbit/s
95th percentile per-packet one-way delay: 4.594 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 145.90 Mbit/s
95th percentile per-packet one-way delay: 3.896 ms
Loss rate: 0.29%
```

Run 7: Report of Verus — Data Link

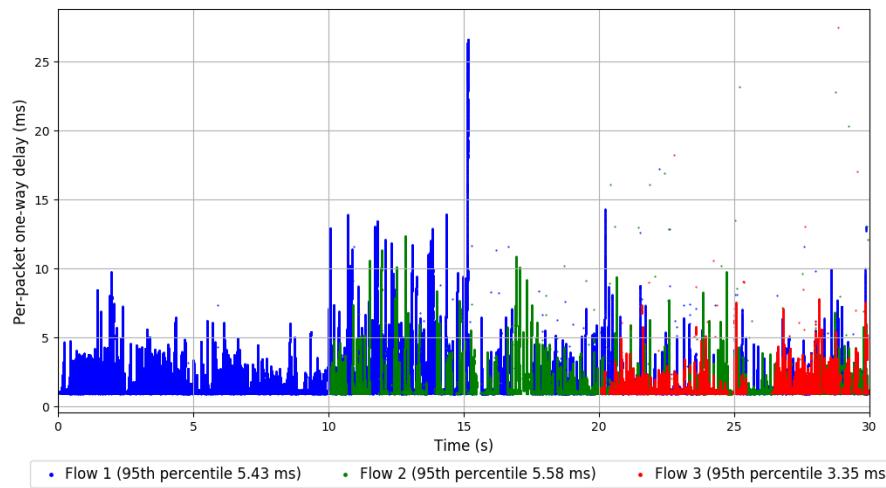
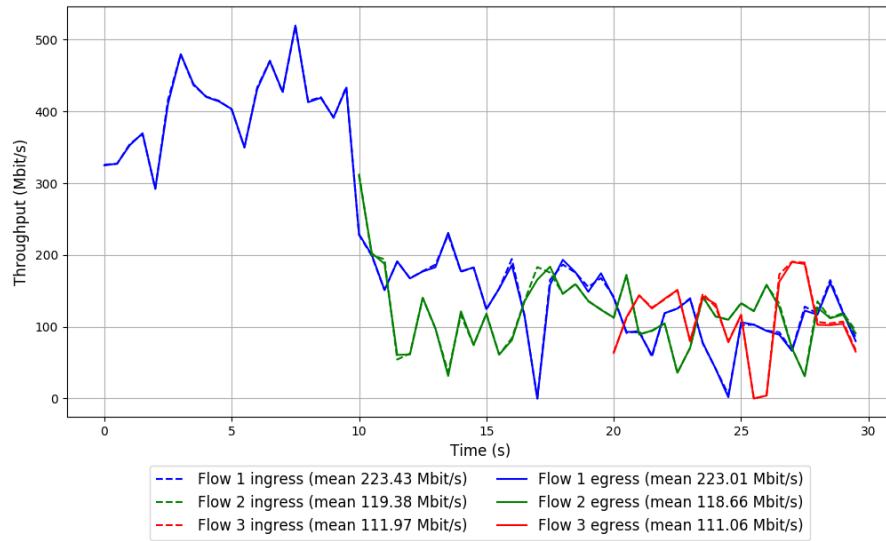


Run 8: Statistics of Verus

```
Start at: 2018-02-20 13:20:21
End at: 2018-02-20 13:20:51
Local clock offset: 1.16 ms
Remote clock offset: -7.101 ms

# Below is generated by plot.py at 2018-02-20 21:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.73 Mbit/s
95th percentile per-packet one-way delay: 5.244 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 223.01 Mbit/s
95th percentile per-packet one-way delay: 5.427 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 118.66 Mbit/s
95th percentile per-packet one-way delay: 5.584 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 111.06 Mbit/s
95th percentile per-packet one-way delay: 3.348 ms
Loss rate: 1.09%
```

Run 8: Report of Verus — Data Link

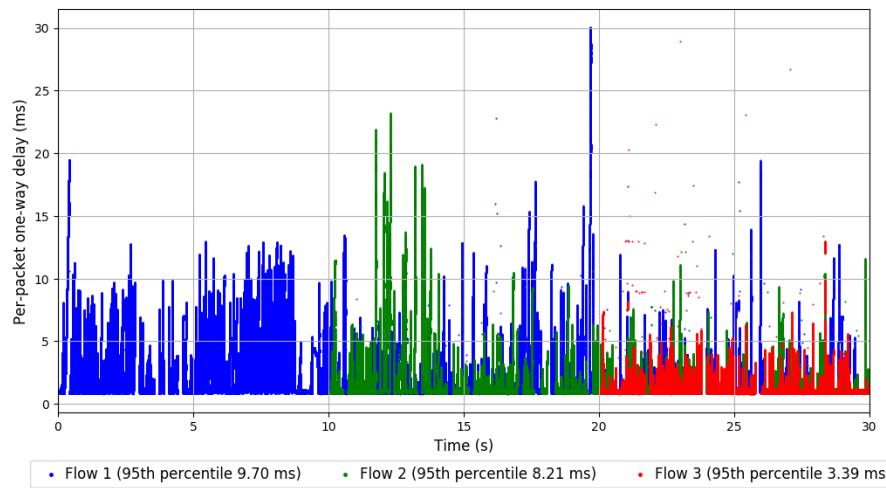
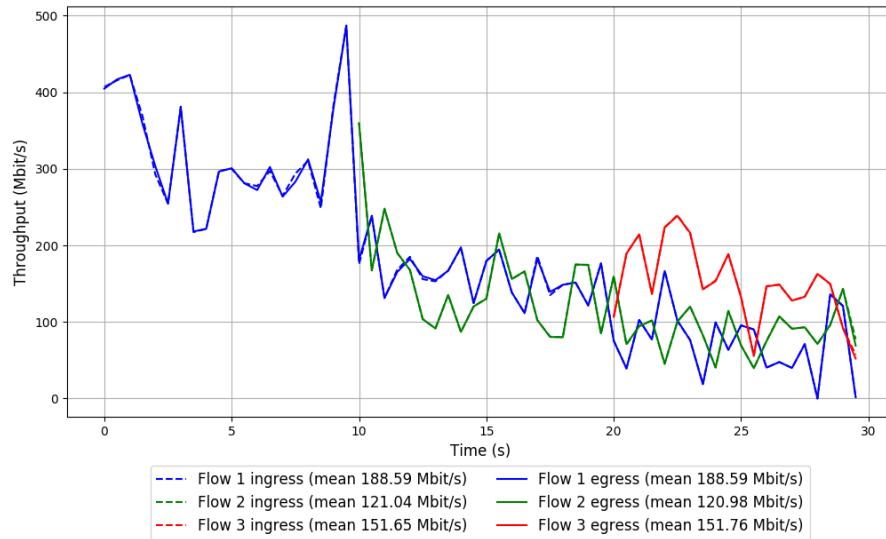


Run 9: Statistics of Verus

```
Start at: 2018-02-20 13:49:50
End at: 2018-02-20 13:50:20
Local clock offset: 1.096 ms
Remote clock offset: -6.654 ms

# Below is generated by plot.py at 2018-02-20 21:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.68 Mbit/s
95th percentile per-packet one-way delay: 8.995 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 188.59 Mbit/s
95th percentile per-packet one-way delay: 9.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.98 Mbit/s
95th percentile per-packet one-way delay: 8.205 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 151.76 Mbit/s
95th percentile per-packet one-way delay: 3.386 ms
Loss rate: 0.17%
```

Run 9: Report of Verus — Data Link

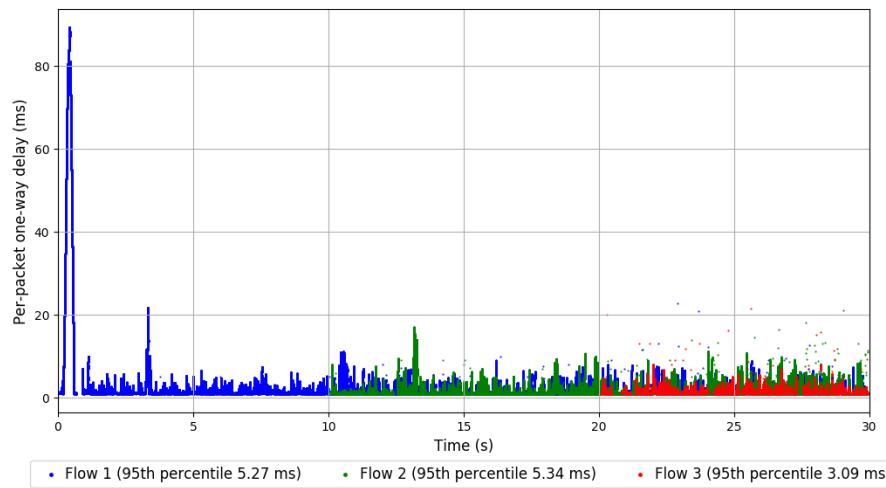
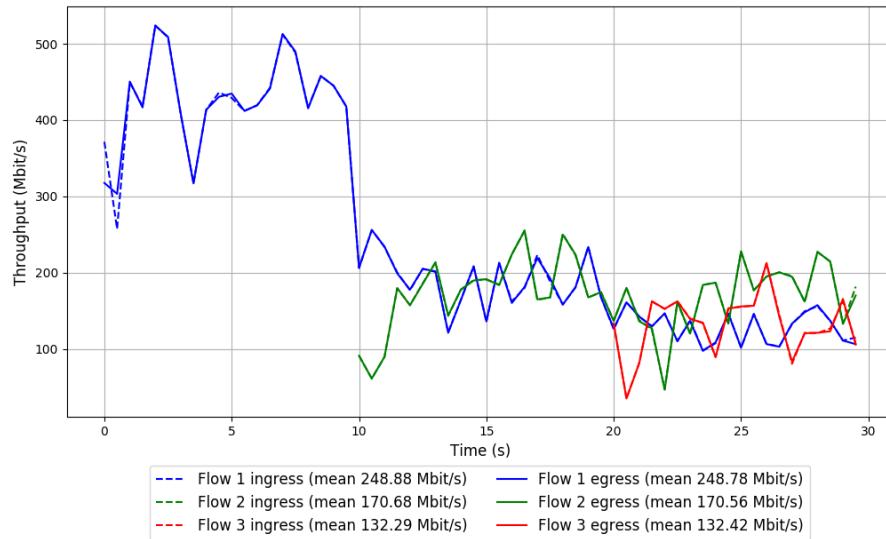


Run 10: Statistics of Verus

```
Start at: 2018-02-20 14:19:02
End at: 2018-02-20 14:19:32
Local clock offset: 1.237 ms
Remote clock offset: -6.421 ms

# Below is generated by plot.py at 2018-02-20 21:14:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.19 Mbit/s
95th percentile per-packet one-way delay: 5.041 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 248.78 Mbit/s
95th percentile per-packet one-way delay: 5.271 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 170.56 Mbit/s
95th percentile per-packet one-way delay: 5.345 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 132.42 Mbit/s
95th percentile per-packet one-way delay: 3.090 ms
Loss rate: 0.11%
```

Run 10: Report of Verus — Data Link

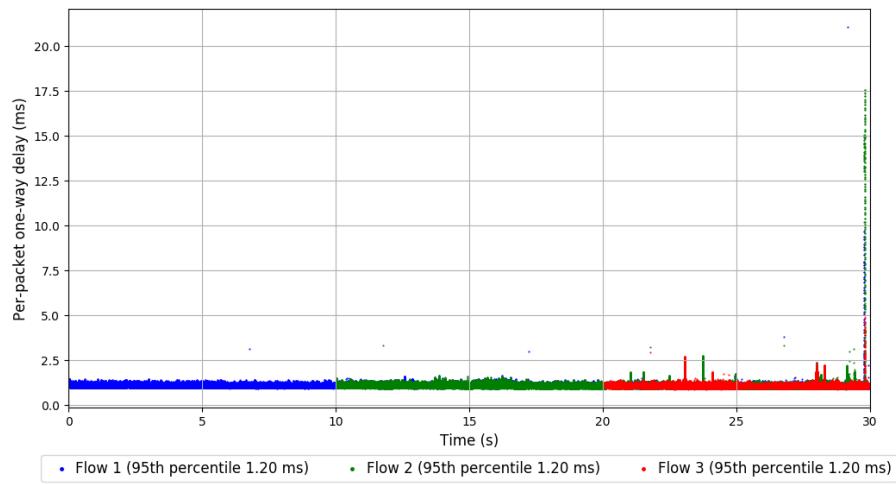
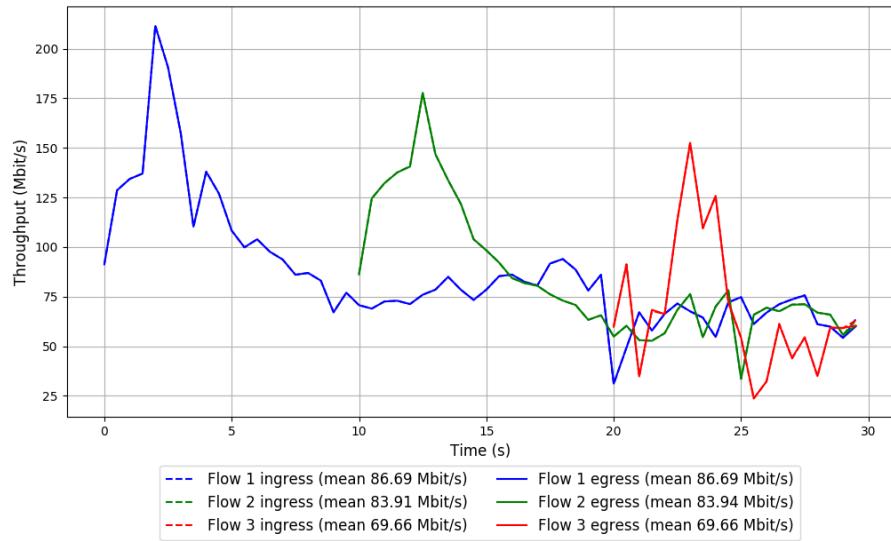


Run 1: Statistics of Copa

```
Start at: 2018-02-20 09:54:31
End at: 2018-02-20 09:55:01
Local clock offset: 0.214 ms
Remote clock offset: -5.188 ms

# Below is generated by plot.py at 2018-02-20 21:14:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.55 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.20%
```

Run 1: Report of Copa — Data Link

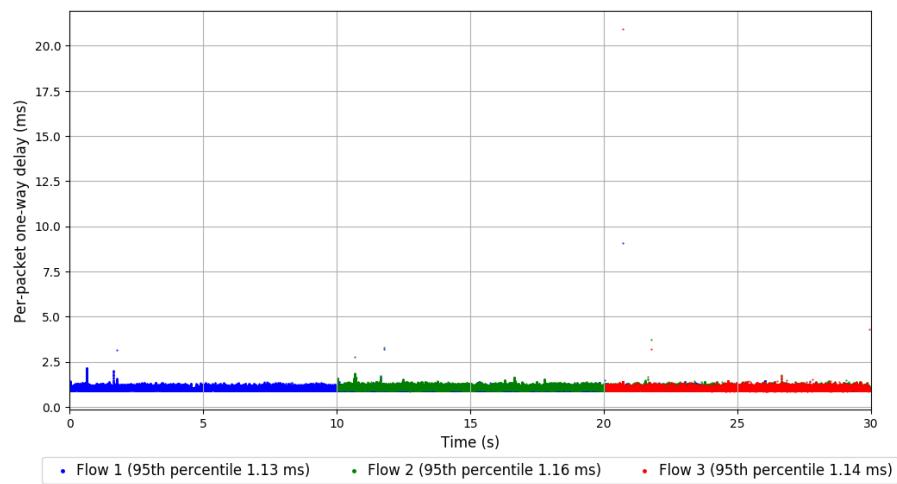
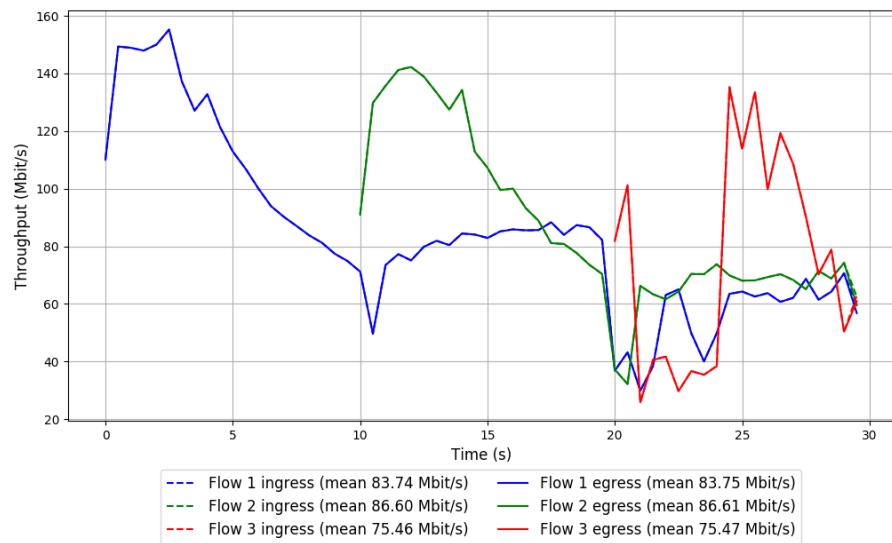


Run 2: Statistics of Copa

```
Start at: 2018-02-20 10:23:59
End at: 2018-02-20 10:24:29
Local clock offset: 1.005 ms
Remote clock offset: -6.474 ms

# Below is generated by plot.py at 2018-02-20 21:14:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.29 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.75 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.15%
```

Run 2: Report of Copa — Data Link

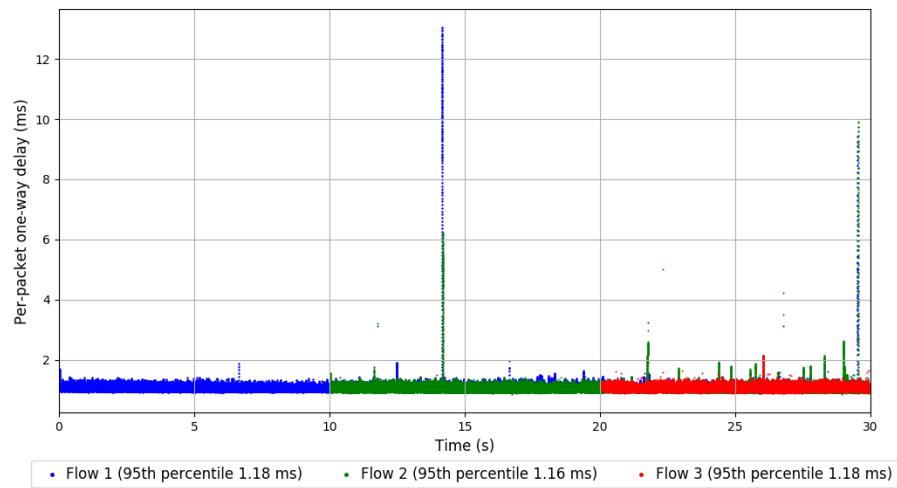
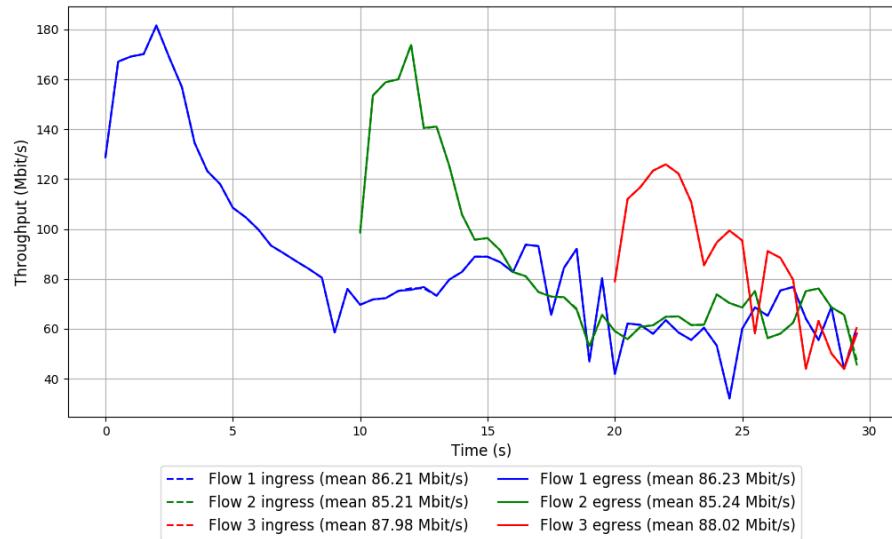


Run 3: Statistics of Copa

```
Start at: 2018-02-20 10:53:10
End at: 2018-02-20 10:53:40
Local clock offset: 0.941 ms
Remote clock offset: -6.529 ms

# Below is generated by plot.py at 2018-02-20 21:15:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.02 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.15%
```

Run 3: Report of Copa — Data Link

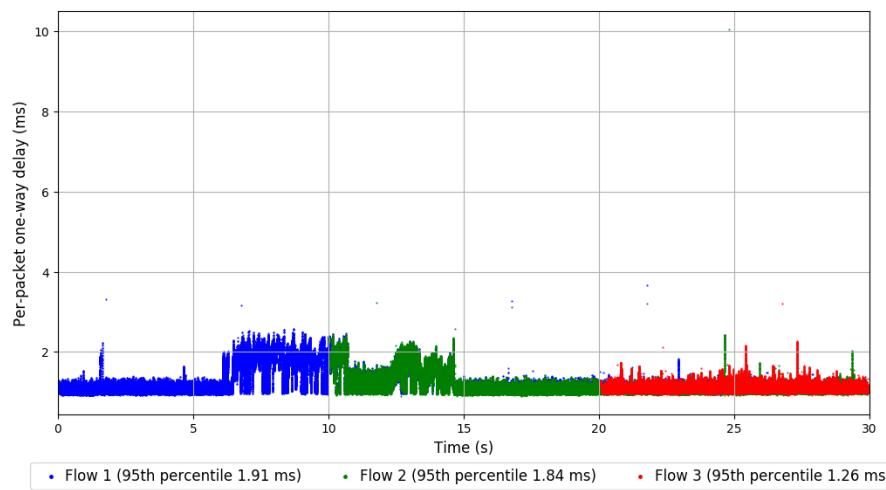
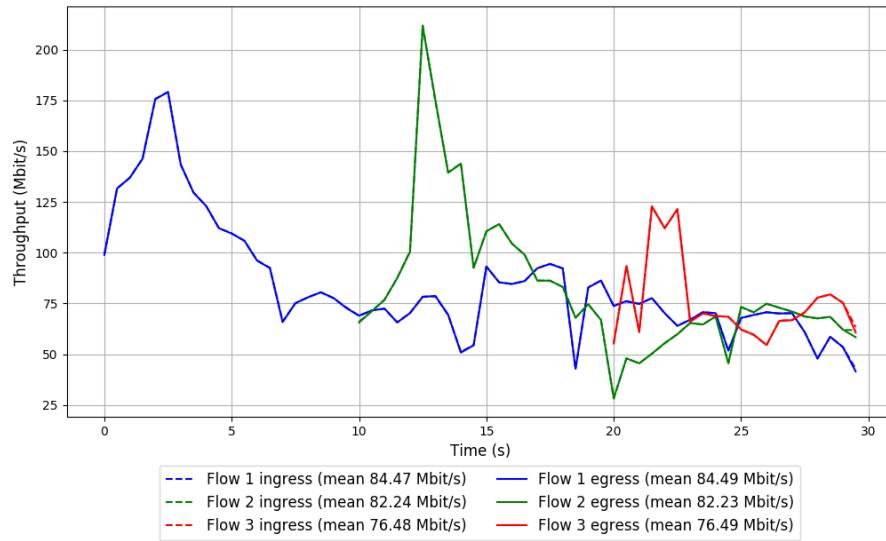


Run 4: Statistics of Copa

```
Start at: 2018-02-20 11:22:04
End at: 2018-02-20 11:22:34
Local clock offset: 0.858 ms
Remote clock offset: -5.333 ms

# Below is generated by plot.py at 2018-02-20 21:16:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 164.50 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 1.912 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 82.23 Mbit/s
95th percentile per-packet one-way delay: 1.838 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.19%
```

Run 4: Report of Copa — Data Link

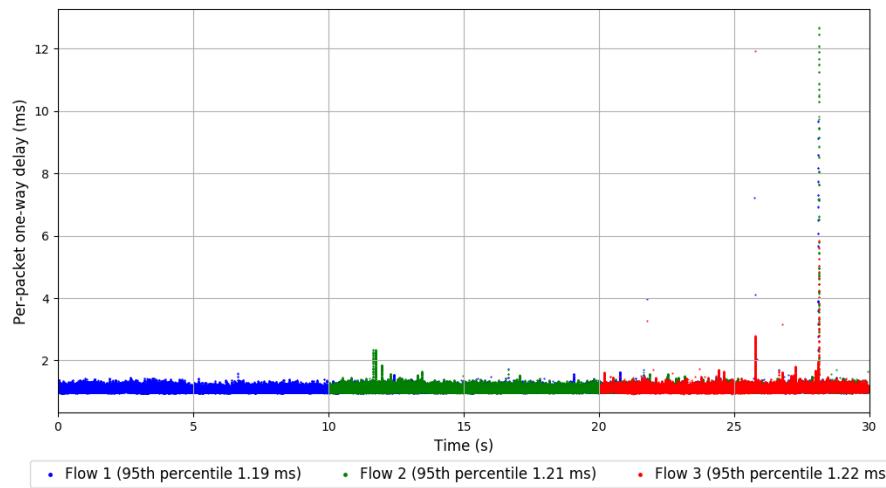
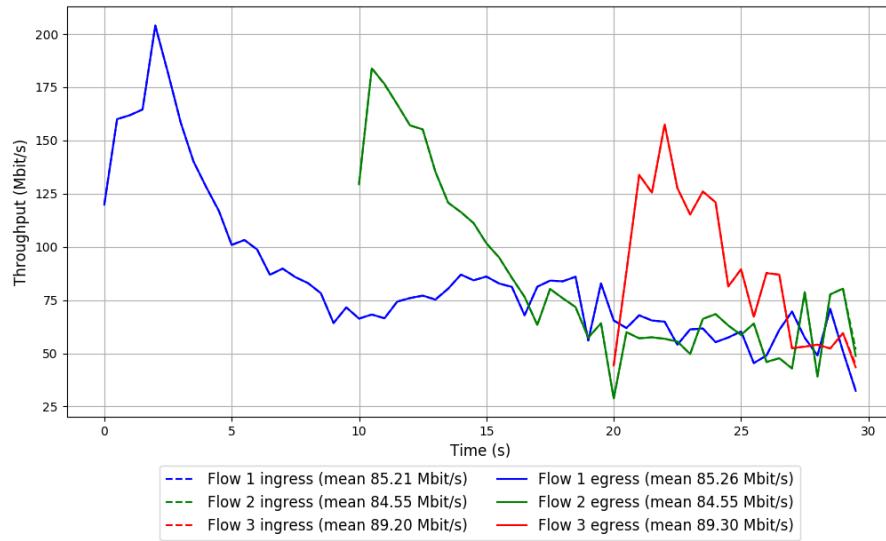


Run 5: Statistics of Copa

```
Start at: 2018-02-20 11:51:19
End at: 2018-02-20 11:51:49
Local clock offset: -0.268 ms
Remote clock offset: -4.297 ms

# Below is generated by plot.py at 2018-02-20 21:17:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.05 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.09%
```

Run 5: Report of Copa — Data Link

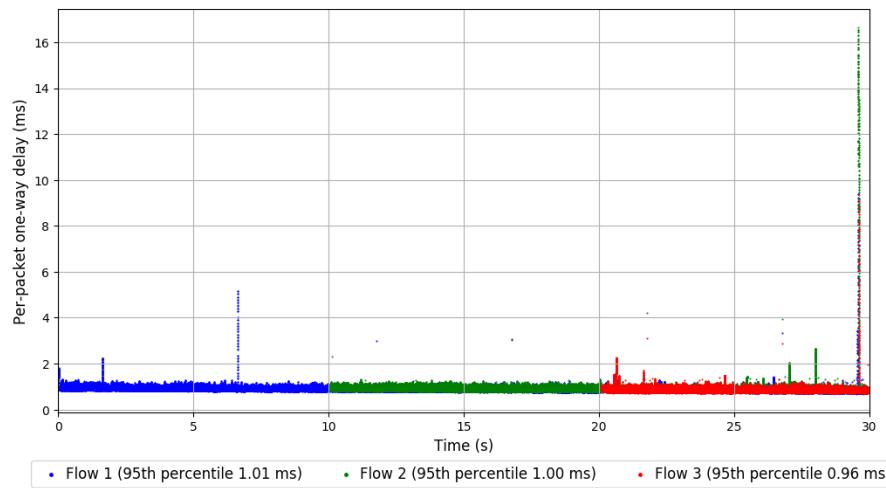
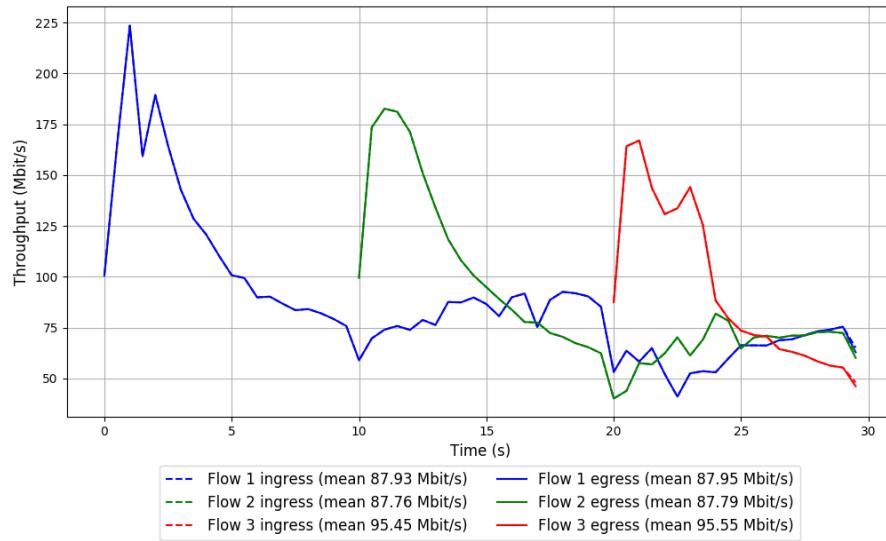


Run 6: Statistics of Copa

```
Start at: 2018-02-20 12:20:28
End at: 2018-02-20 12:20:58
Local clock offset: 0.792 ms
Remote clock offset: -3.93 ms

# Below is generated by plot.py at 2018-02-20 21:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.11%
```

Run 6: Report of Copa — Data Link

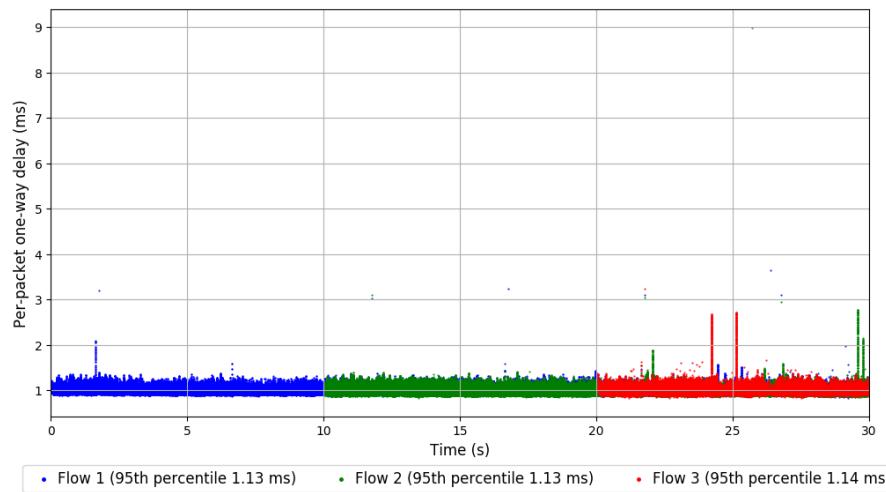
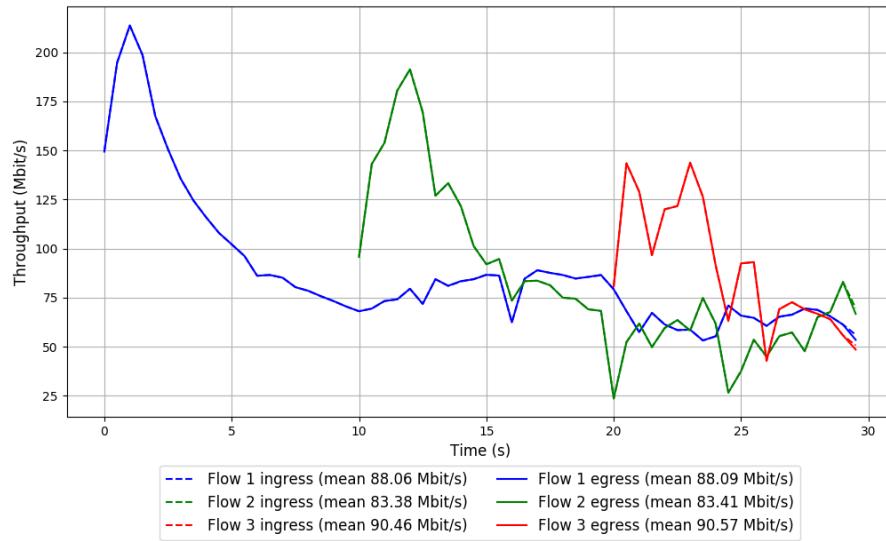


Run 7: Statistics of Copa

```
Start at: 2018-02-20 12:49:41
End at: 2018-02-20 12:50:11
Local clock offset: 1.281 ms
Remote clock offset: -5.75 ms

# Below is generated by plot.py at 2018-02-20 21:17:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.52 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 83.41 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.13%
```

Run 7: Report of Copa — Data Link

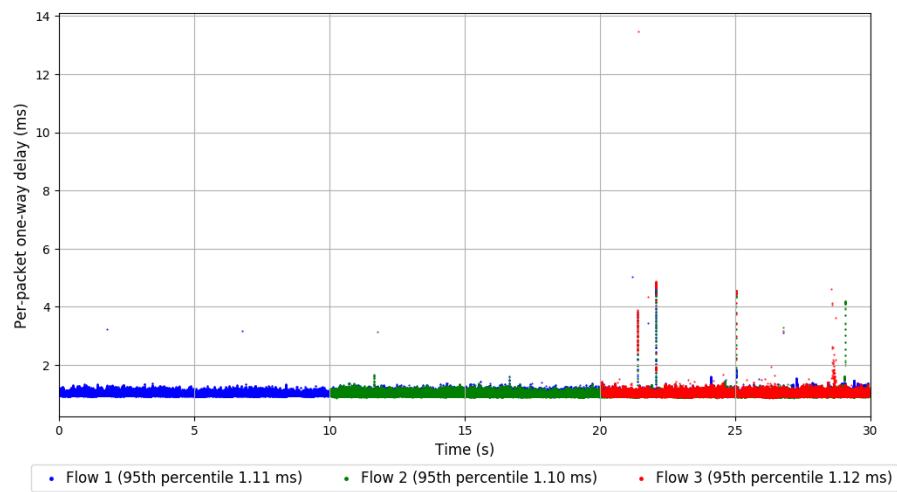
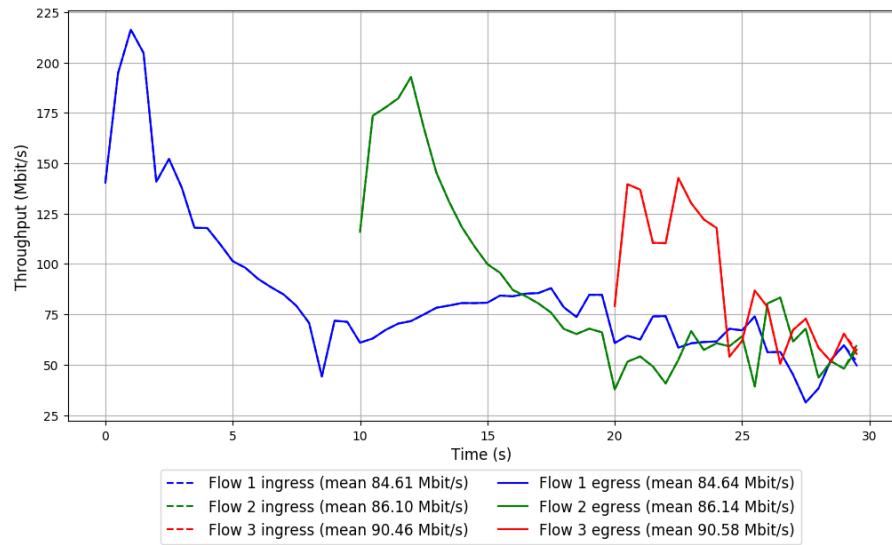


Run 8: Statistics of Copa

```
Start at: 2018-02-20 13:18:58
End at: 2018-02-20 13:19:28
Local clock offset: 1.182 ms
Remote clock offset: -7.033 ms

# Below is generated by plot.py at 2018-02-20 21:17:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.83 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.10%
```

Run 8: Report of Copa — Data Link

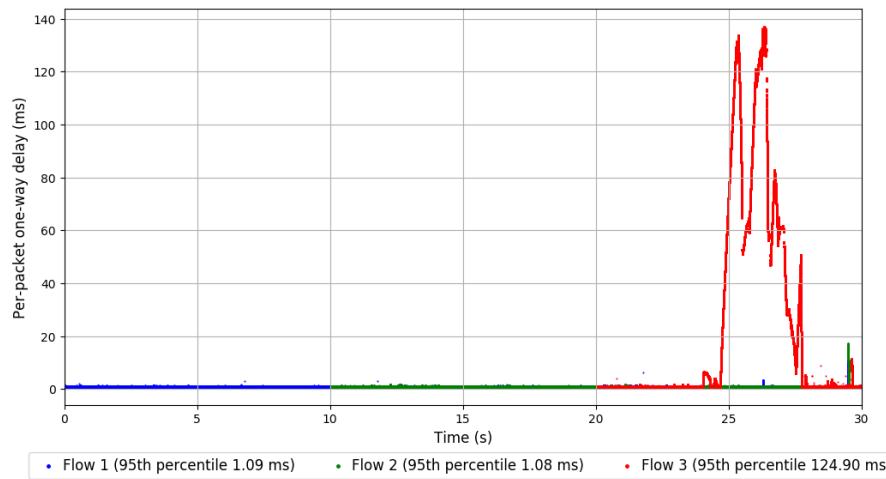
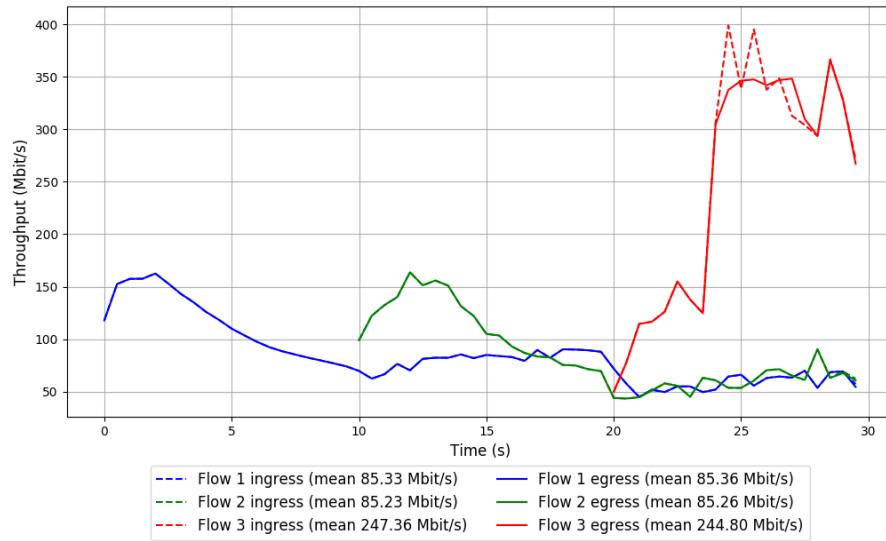


Run 9: Statistics of Copa

```
Start at: 2018-02-20 13:48:16
End at: 2018-02-20 13:48:46
Local clock offset: 1.111 ms
Remote clock offset: -6.676 ms

# Below is generated by plot.py at 2018-02-20 21:19:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.95 Mbit/s
95th percentile per-packet one-way delay: 87.803 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 244.80 Mbit/s
95th percentile per-packet one-way delay: 124.902 ms
Loss rate: 1.30%
```

Run 9: Report of Copa — Data Link

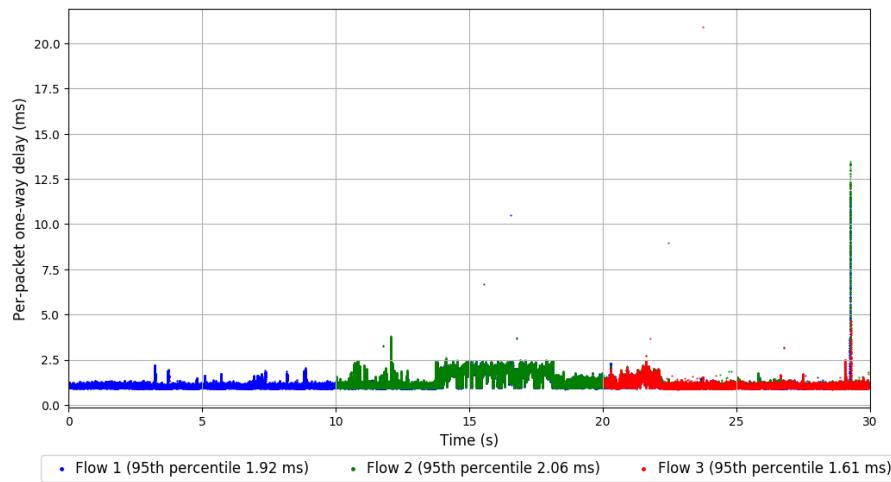
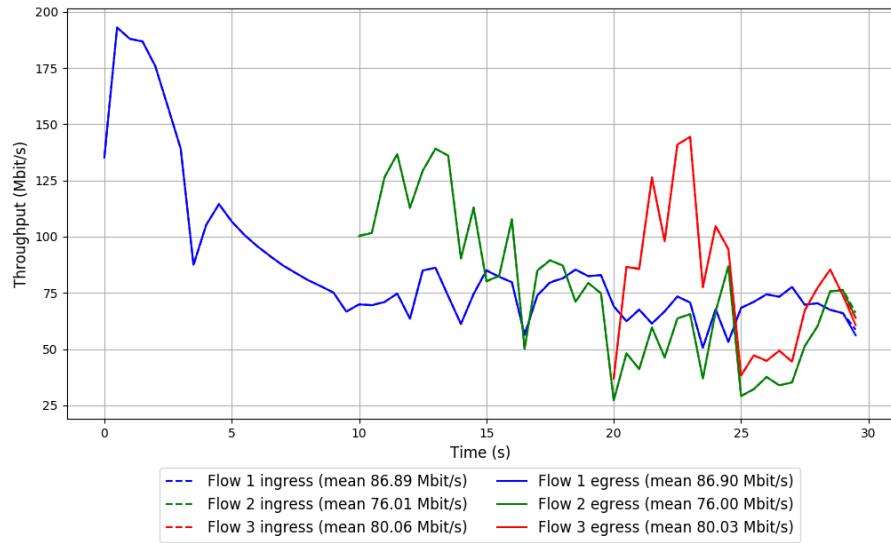


Run 10: Statistics of Copa

```
Start at: 2018-02-20 14:17:32
End at: 2018-02-20 14:18:02
Local clock offset: 1.226 ms
Remote clock offset: -6.457 ms

# Below is generated by plot.py at 2018-02-20 21:19:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.92 Mbit/s
95th percentile per-packet one-way delay: 1.970 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 1.922 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 2.061 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 80.03 Mbit/s
95th percentile per-packet one-way delay: 1.613 ms
Loss rate: 0.25%
```

Run 10: Report of Copa — Data Link

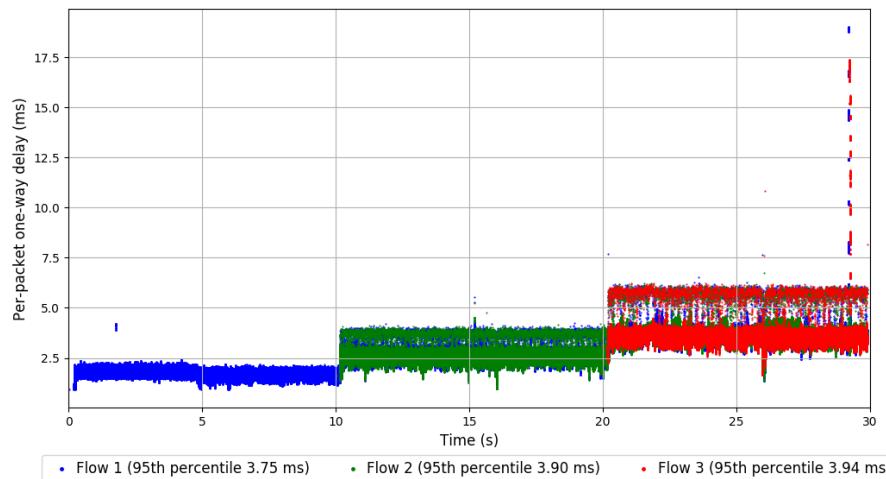
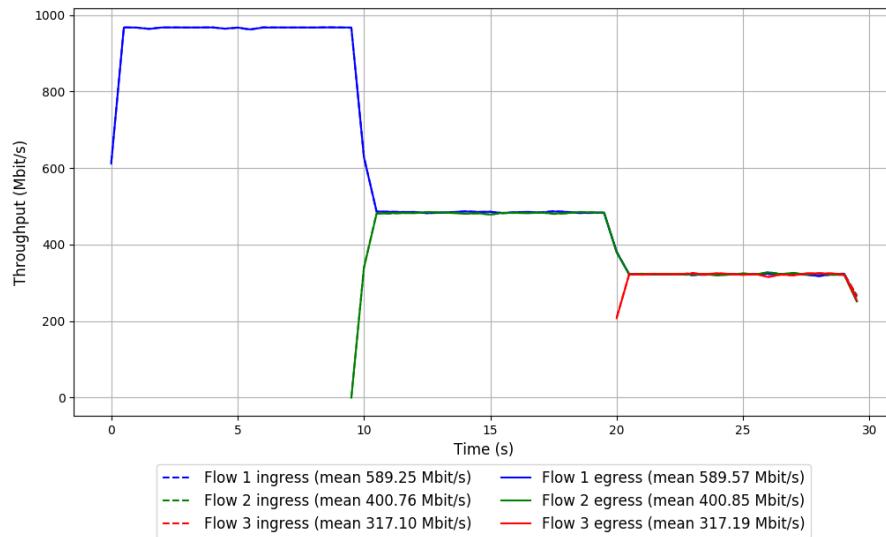


```
Run 1: Statistics of FillP

Start at: 2018-02-20 10:11:04
End at: 2018-02-20 10:11:34
Local clock offset: 0.937 ms
Remote clock offset: -5.921 ms

# Below is generated by plot.py at 2018-02-20 21:29:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 961.10 Mbit/s
95th percentile per-packet one-way delay: 3.840 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.57 Mbit/s
95th percentile per-packet one-way delay: 3.748 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.85 Mbit/s
95th percentile per-packet one-way delay: 3.897 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 317.19 Mbit/s
95th percentile per-packet one-way delay: 3.939 ms
Loss rate: 0.25%
```

Run 1: Report of FillP — Data Link

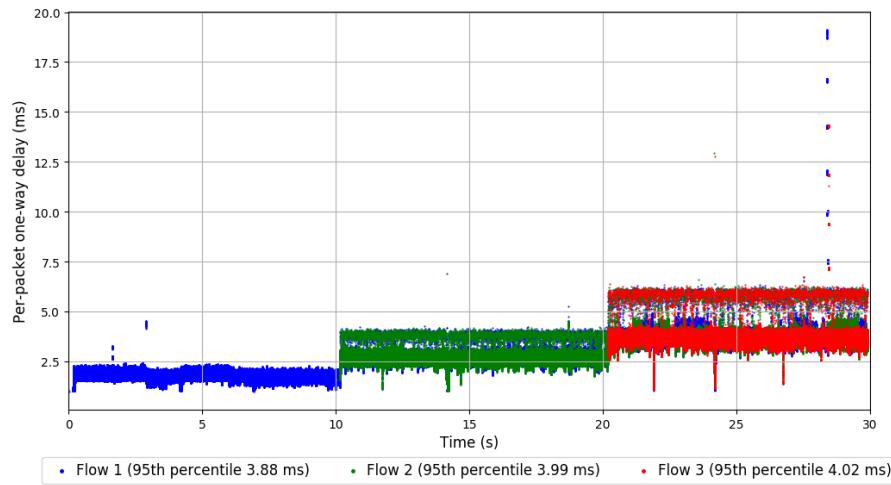
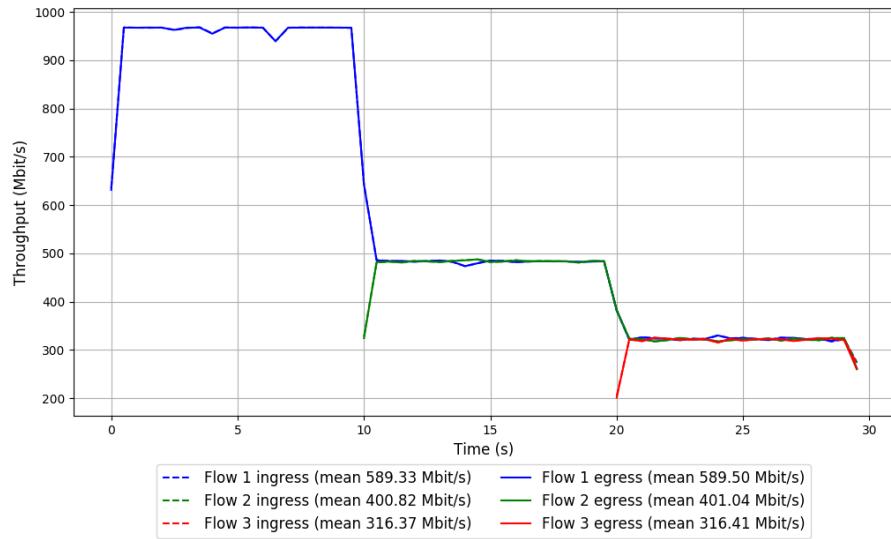


Run 2: Statistics of FillP

```
Start at: 2018-02-20 10:40:15
End at: 2018-02-20 10:40:45
Local clock offset: 0.986 ms
Remote clock offset: -6.585 ms

# Below is generated by plot.py at 2018-02-20 21:30:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.79 Mbit/s
95th percentile per-packet one-way delay: 3.950 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.50 Mbit/s
95th percentile per-packet one-way delay: 3.878 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.04 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.41 Mbit/s
95th percentile per-packet one-way delay: 4.022 ms
Loss rate: 0.22%
```

Run 2: Report of FillP — Data Link

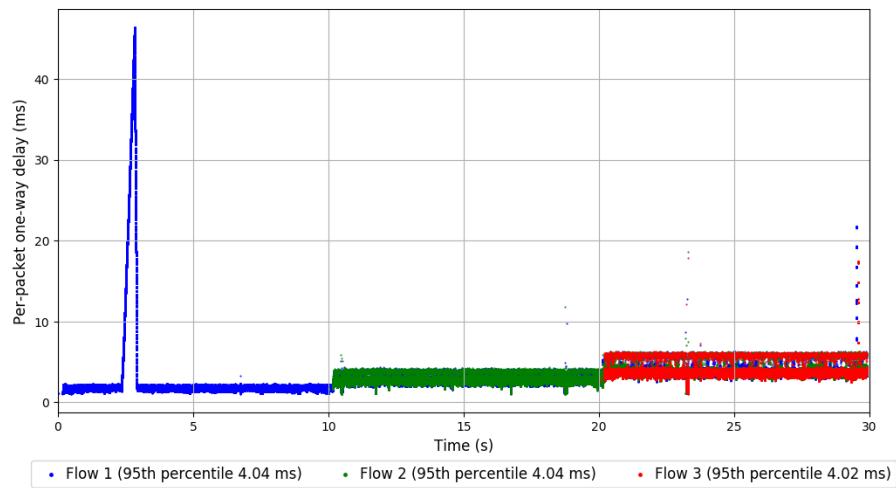
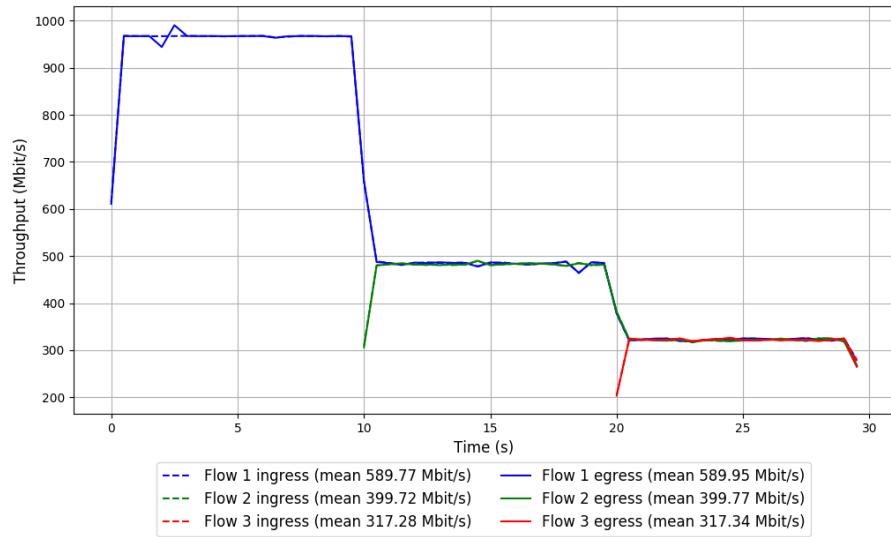


Run 3: Statistics of FillP

```
Start at: 2018-02-20 11:09:28
End at: 2018-02-20 11:09:58
Local clock offset: 0.935 ms
Remote clock offset: -6.666 ms

# Below is generated by plot.py at 2018-02-20 21:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.71 Mbit/s
95th percentile per-packet one-way delay: 4.035 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.95 Mbit/s
95th percentile per-packet one-way delay: 4.044 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.77 Mbit/s
95th percentile per-packet one-way delay: 4.035 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.34 Mbit/s
95th percentile per-packet one-way delay: 4.023 ms
Loss rate: 0.22%
```

Run 3: Report of FillP — Data Link

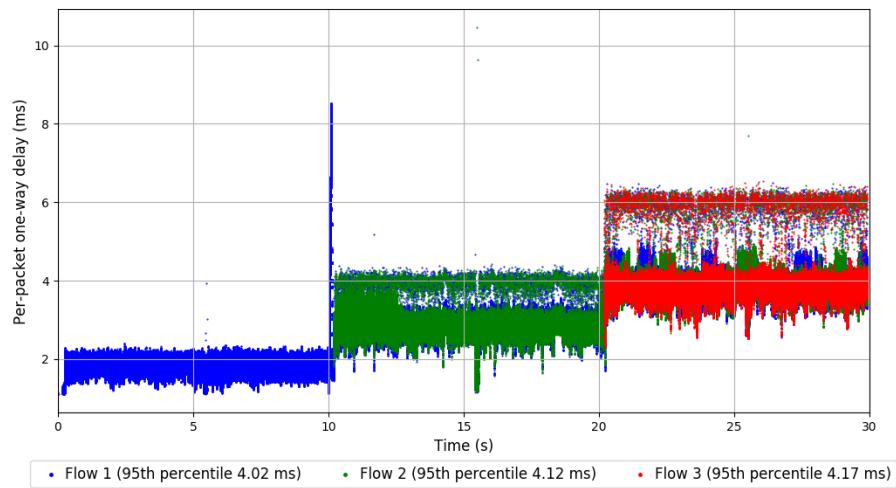
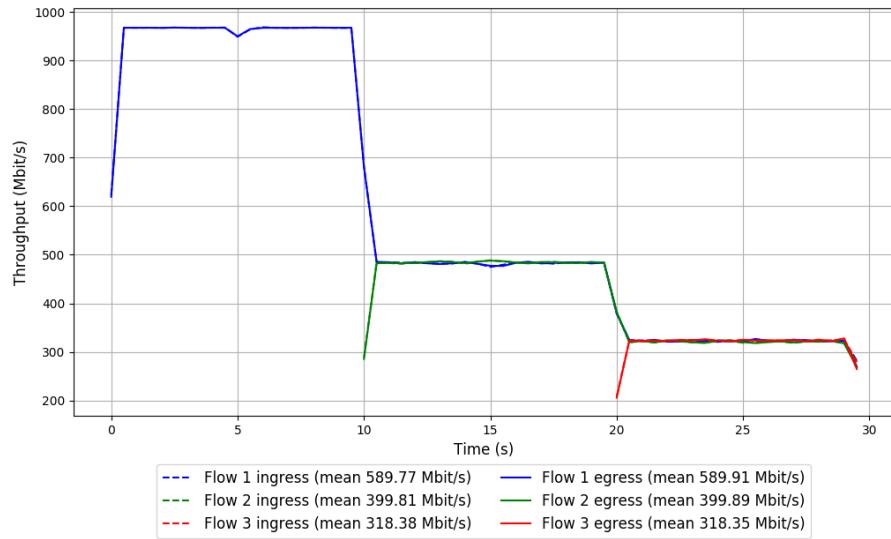


Run 4: Statistics of FillP

```
Start at: 2018-02-20 11:38:23
End at: 2018-02-20 11:38:53
Local clock offset: 0.221 ms
Remote clock offset: -4.634 ms

# Below is generated by plot.py at 2018-02-20 21:31:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 961.15 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.91 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.89 Mbit/s
95th percentile per-packet one-way delay: 4.122 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.35 Mbit/s
95th percentile per-packet one-way delay: 4.169 ms
Loss rate: 0.24%
```

Run 4: Report of FillP — Data Link

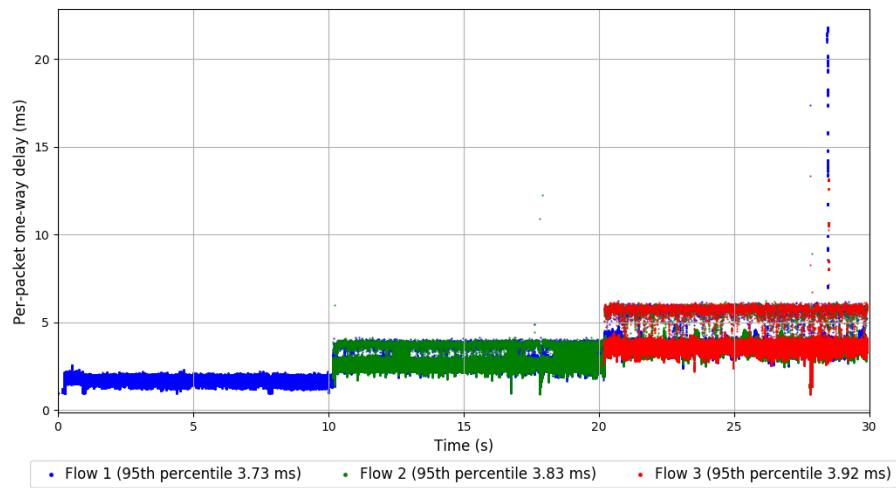
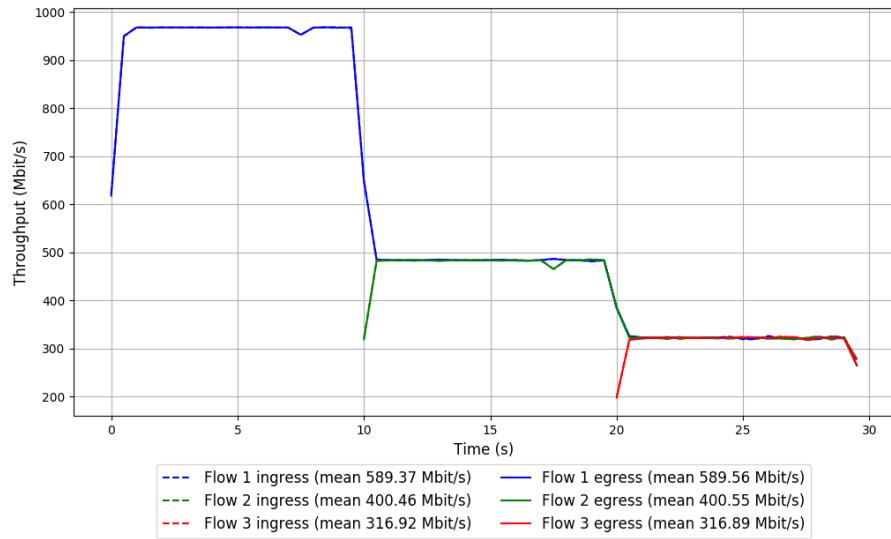


Run 5: Statistics of FillP

```
Start at: 2018-02-20 12:07:30
End at: 2018-02-20 12:08:00
Local clock offset: -0.073 ms
Remote clock offset: -4.077 ms

# Below is generated by plot.py at 2018-02-20 21:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.66 Mbit/s
95th percentile per-packet one-way delay: 3.812 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.56 Mbit/s
95th percentile per-packet one-way delay: 3.735 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.55 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.89 Mbit/s
95th percentile per-packet one-way delay: 3.915 ms
Loss rate: 0.24%
```

Run 5: Report of FillP — Data Link

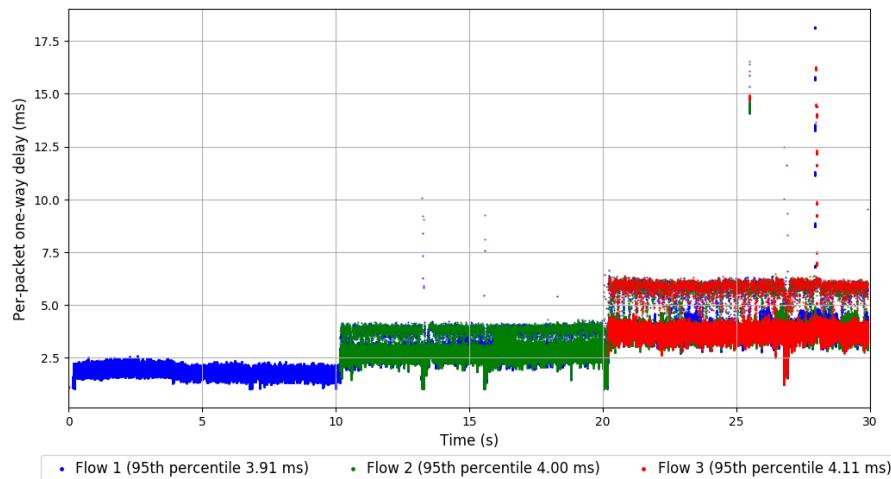
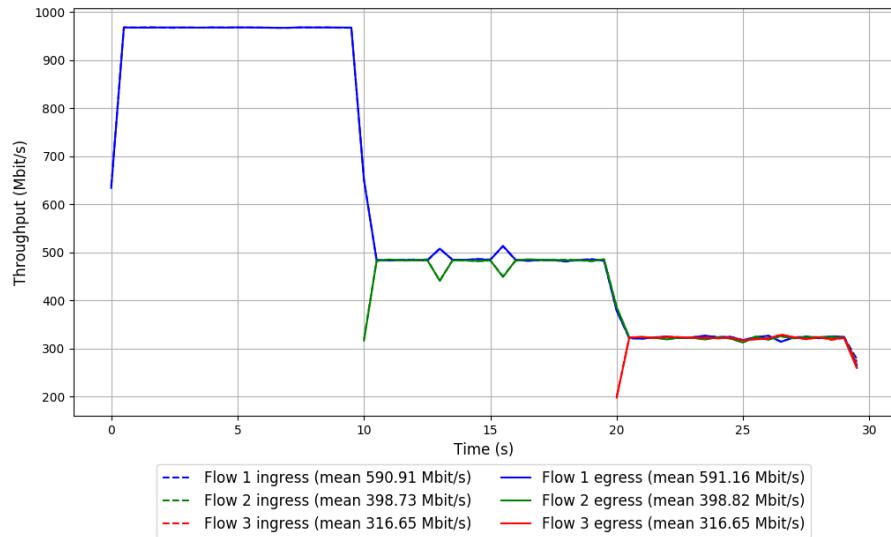


Run 6: Statistics of FillP

```
Start at: 2018-02-20 12:36:40
End at: 2018-02-20 12:37:10
Local clock offset: 1.203 ms
Remote clock offset: -5.475 ms

# Below is generated by plot.py at 2018-02-20 21:32:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.73 Mbit/s
95th percentile per-packet one-way delay: 3.989 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 591.16 Mbit/s
95th percentile per-packet one-way delay: 3.911 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.82 Mbit/s
95th percentile per-packet one-way delay: 3.998 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.65 Mbit/s
95th percentile per-packet one-way delay: 4.108 ms
Loss rate: 0.22%
```

Run 6: Report of FillP — Data Link

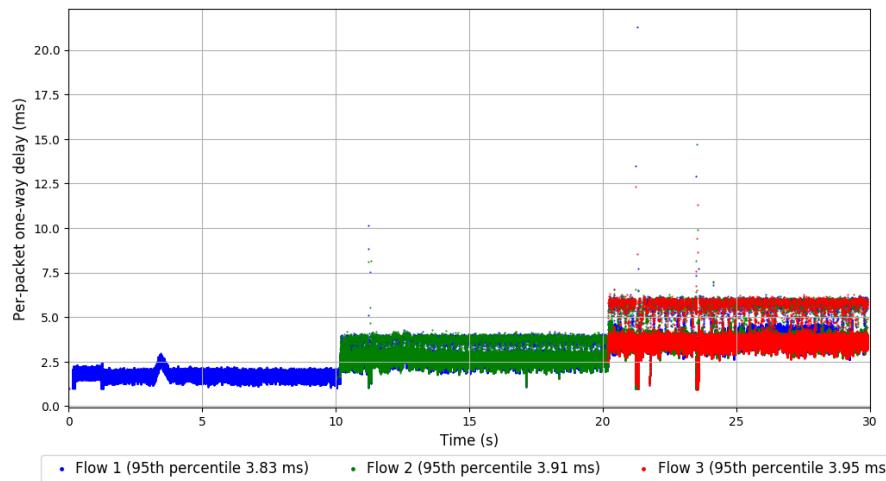
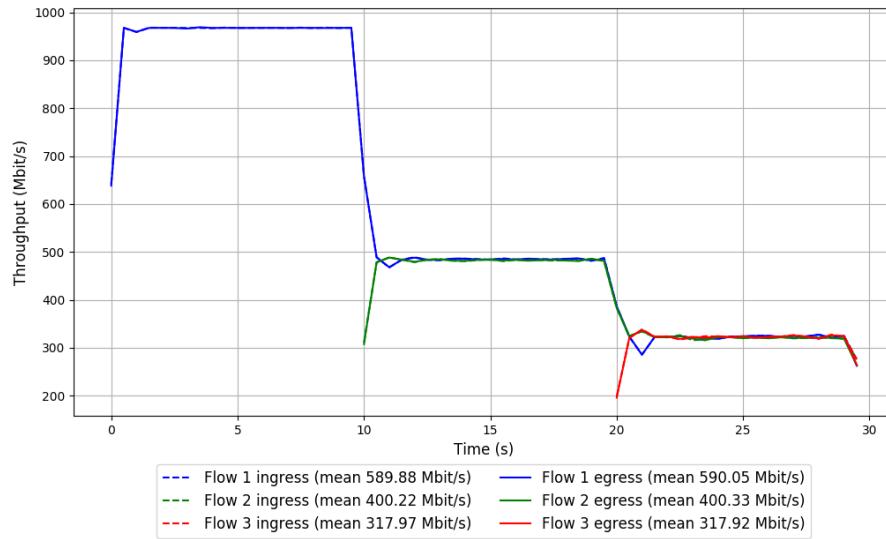


Run 7: Statistics of FillP

```
Start at: 2018-02-20 13:05:56
End at: 2018-02-20 13:06:26
Local clock offset: 1.376 ms
Remote clock offset: -6.564 ms

# Below is generated by plot.py at 2018-02-20 21:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 961.11 Mbit/s
95th percentile per-packet one-way delay: 3.888 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 590.05 Mbit/s
95th percentile per-packet one-way delay: 3.826 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.33 Mbit/s
95th percentile per-packet one-way delay: 3.908 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.92 Mbit/s
95th percentile per-packet one-way delay: 3.954 ms
Loss rate: 0.23%
```

Run 7: Report of FillP — Data Link

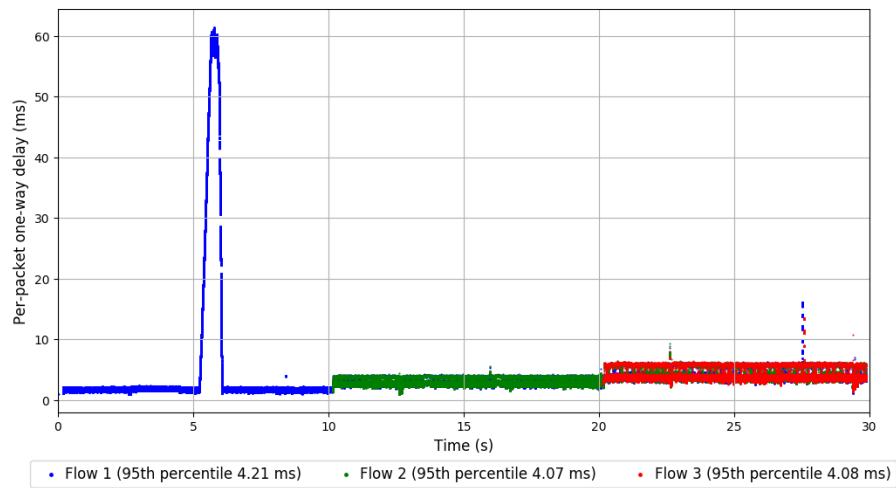
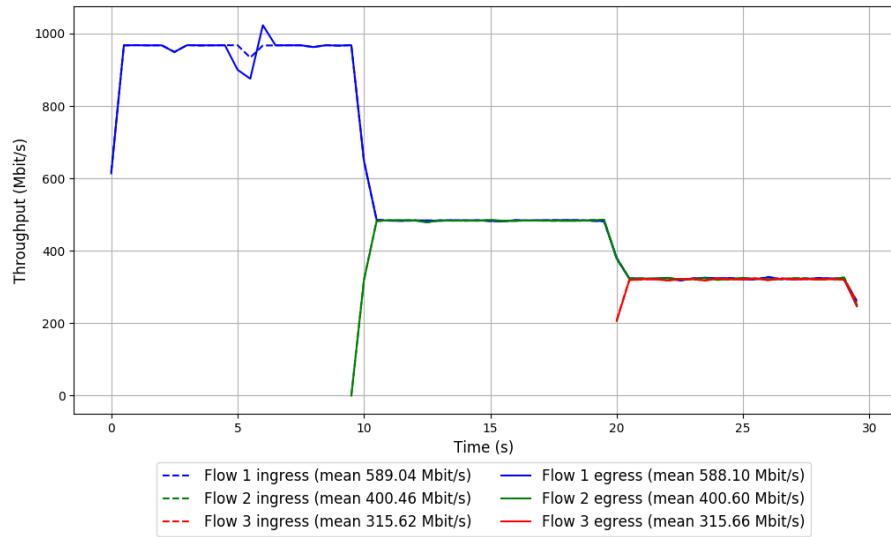


Run 8: Statistics of FillP

```
Start at: 2018-02-20 13:35:14
End at: 2018-02-20 13:35:44
Local clock offset: 1.16 ms
Remote clock offset: -6.899 ms

# Below is generated by plot.py at 2018-02-20 21:33:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 959.11 Mbit/s
95th percentile per-packet one-way delay: 4.105 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 588.10 Mbit/s
95th percentile per-packet one-way delay: 4.206 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 400.60 Mbit/s
95th percentile per-packet one-way delay: 4.073 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.66 Mbit/s
95th percentile per-packet one-way delay: 4.084 ms
Loss rate: 0.25%
```

Run 8: Report of FillP — Data Link

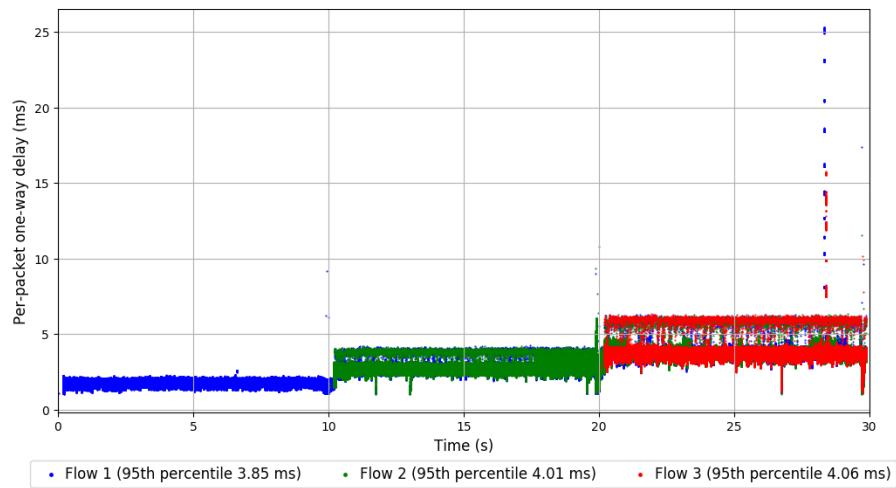
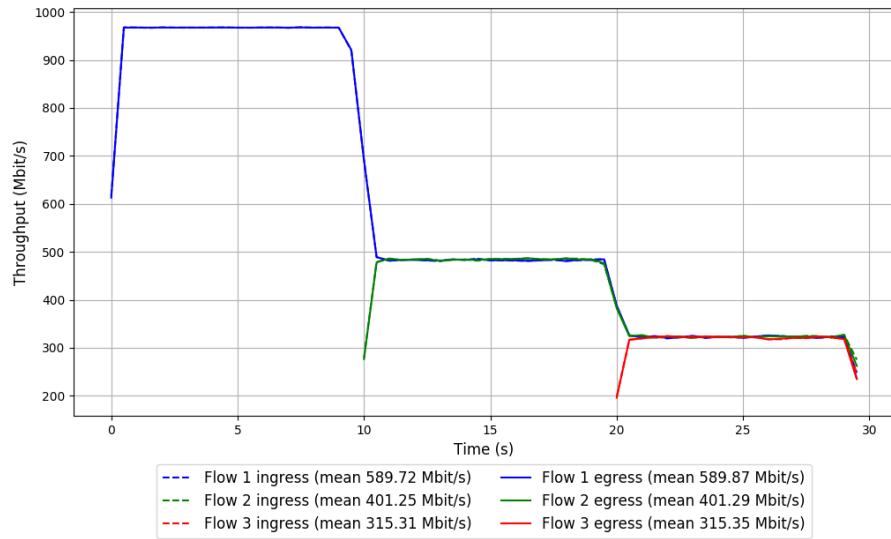


Run 9: Statistics of FillP

```
Start at: 2018-02-20 14:04:36
End at: 2018-02-20 14:05:06
Local clock offset: 1.2 ms
Remote clock offset: -6.707 ms

# Below is generated by plot.py at 2018-02-20 21:44:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.43 Mbit/s
95th percentile per-packet one-way delay: 3.953 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.87 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.29 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.35 Mbit/s
95th percentile per-packet one-way delay: 4.059 ms
Loss rate: 0.23%
```

Run 9: Report of FillP — Data Link

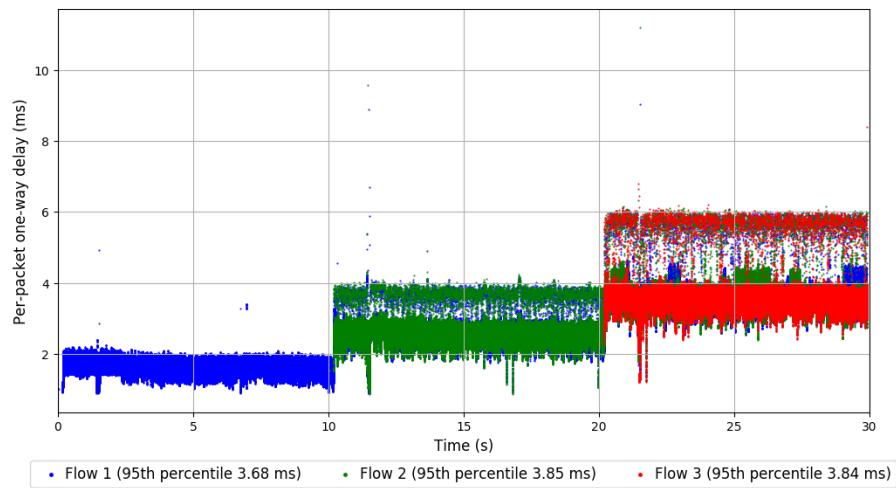
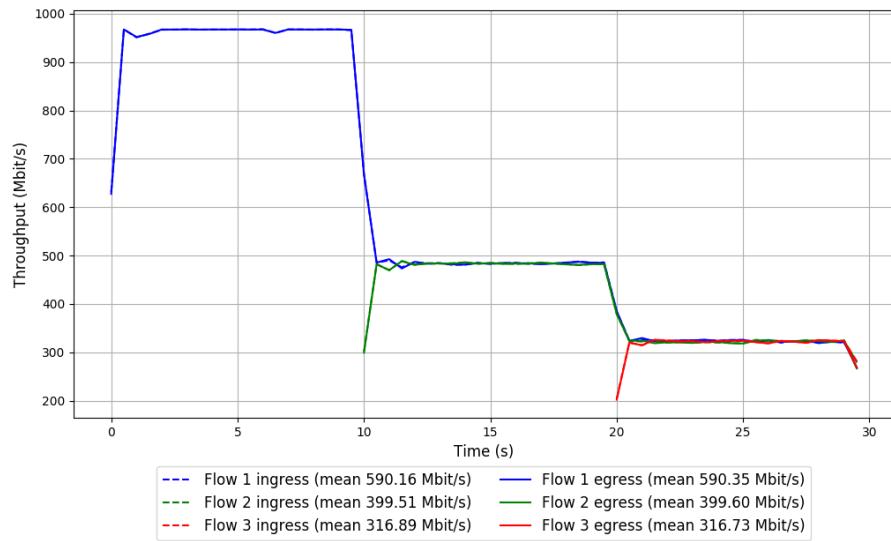


Run 10: Statistics of FillP

```
Start at: 2018-02-20 14:33:44
End at: 2018-02-20 14:34:14
Local clock offset: 3.397 ms
Remote clock offset: -6.387 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.94 Mbit/s
95th percentile per-packet one-way delay: 3.774 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 590.35 Mbit/s
95th percentile per-packet one-way delay: 3.678 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.60 Mbit/s
95th percentile per-packet one-way delay: 3.850 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.73 Mbit/s
95th percentile per-packet one-way delay: 3.841 ms
Loss rate: 0.24%
```

Run 10: Report of FillP — Data Link

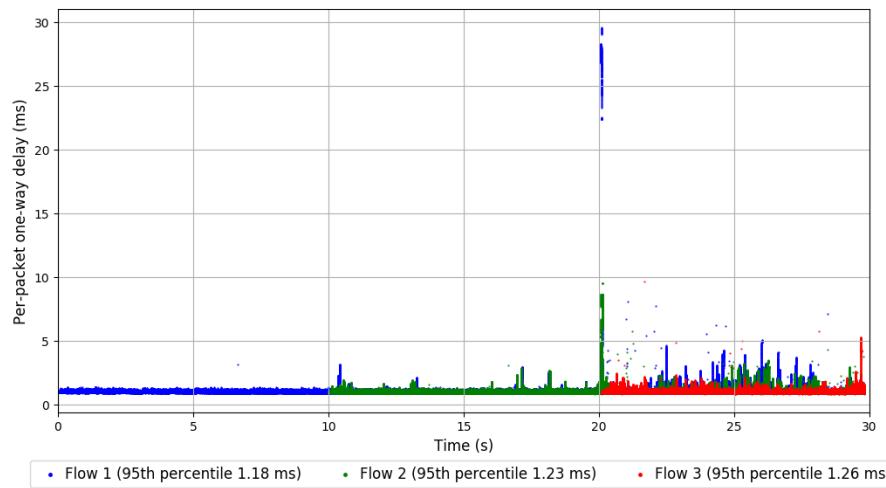
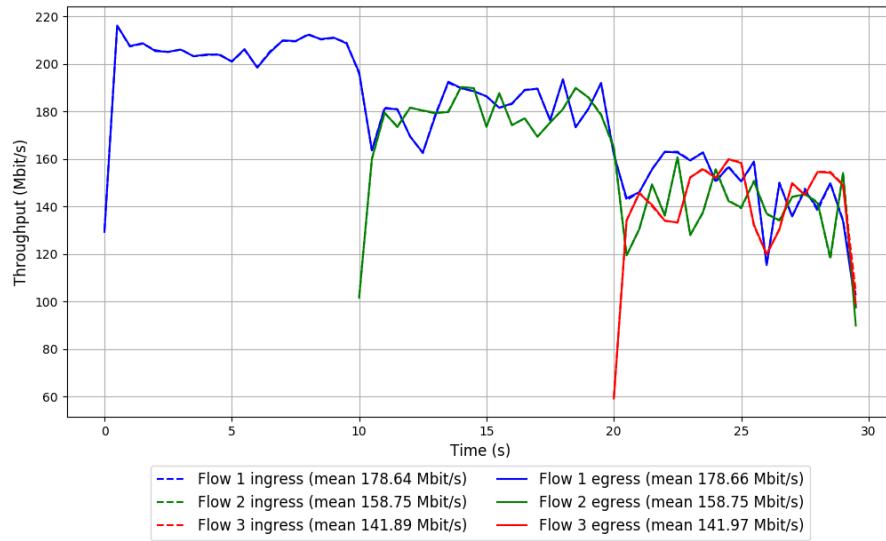


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-20 10:09:29
End at: 2018-02-20 10:09:59
Local clock offset: 0.968 ms
Remote clock offset: -5.742 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.39 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 178.66 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 158.75 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 141.97 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.23%
```

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

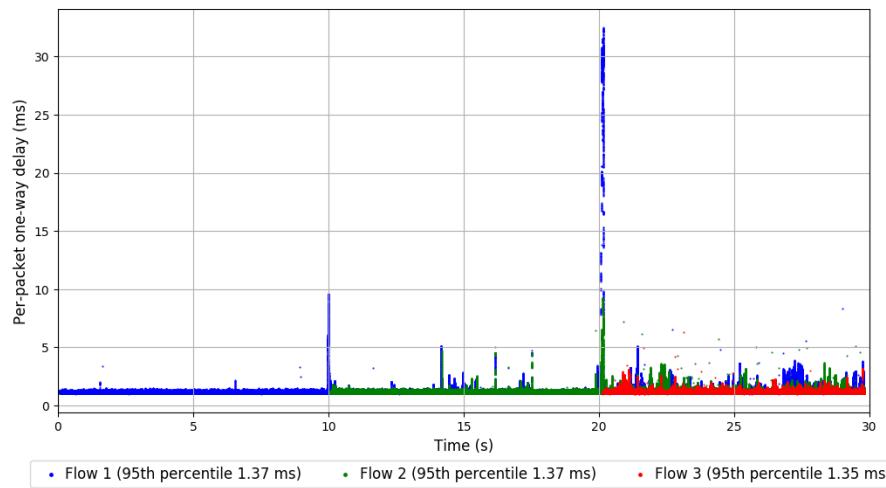
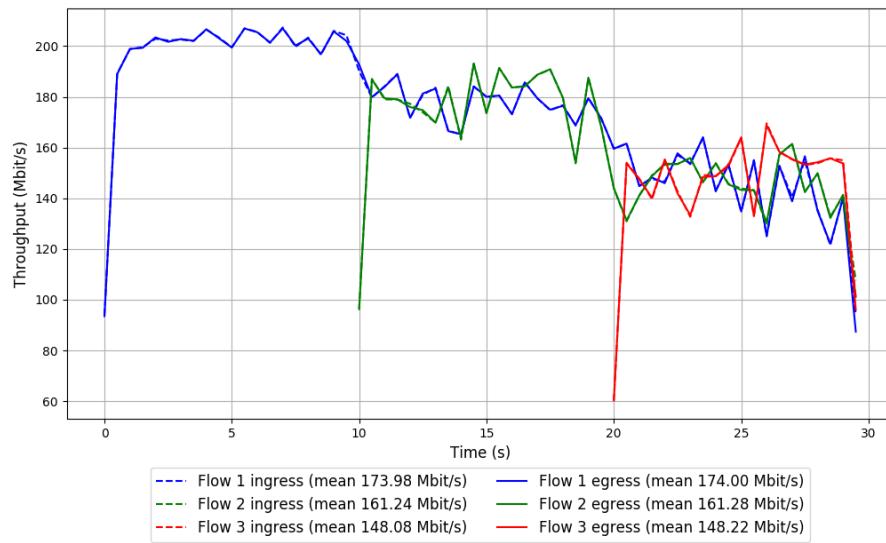


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-20 10:38:40
End at: 2018-02-20 10:39:10
Local clock offset: 0.965 ms
Remote clock offset: -6.688 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 329.20 Mbit/s
95th percentile per-packet one-way delay: 1.368 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 174.00 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 161.28 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 148.22 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.19%
```

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

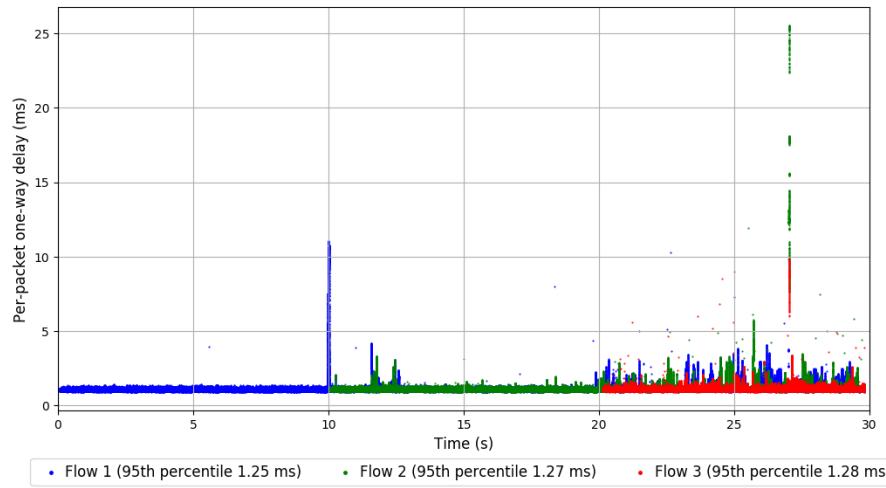
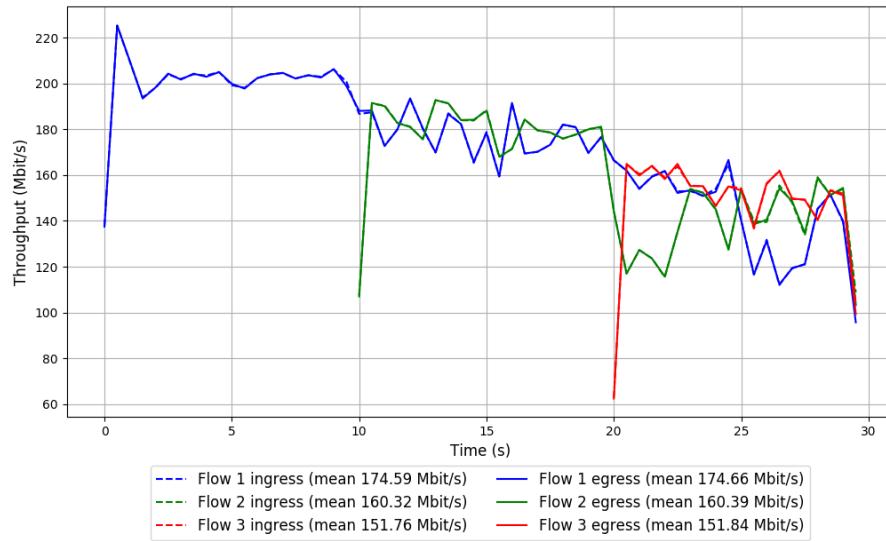


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-20 11:07:53
End at: 2018-02-20 11:08:23
Local clock offset: 0.927 ms
Remote clock offset: -6.606 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.31 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 174.66 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 160.39 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 151.84 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.19%
```

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

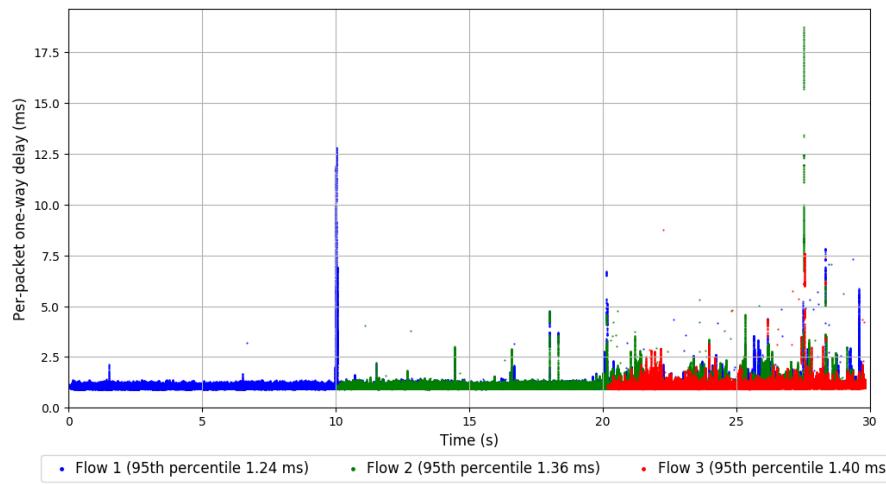
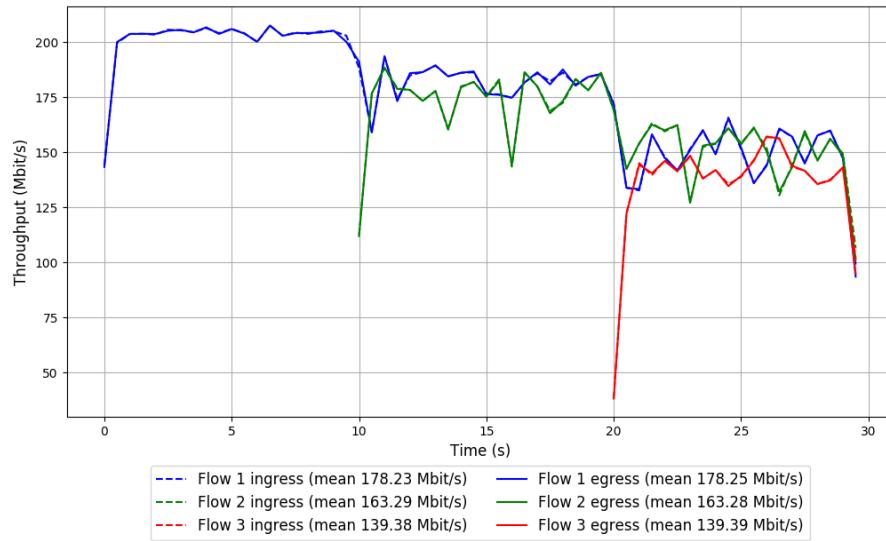


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-20 11:36:48
End at: 2018-02-20 11:37:18
Local clock offset: 0.206 ms
Remote clock offset: -4.619 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.67 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 178.25 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 163.28 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 139.39 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 0.27%
```

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

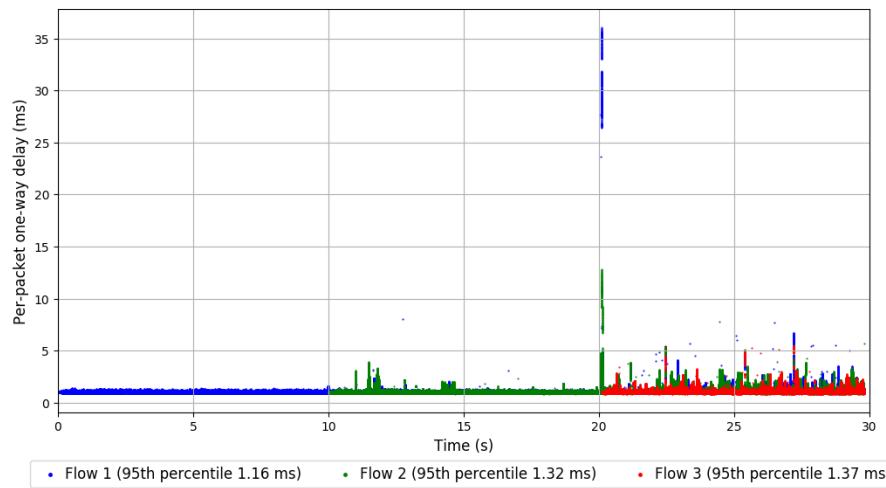
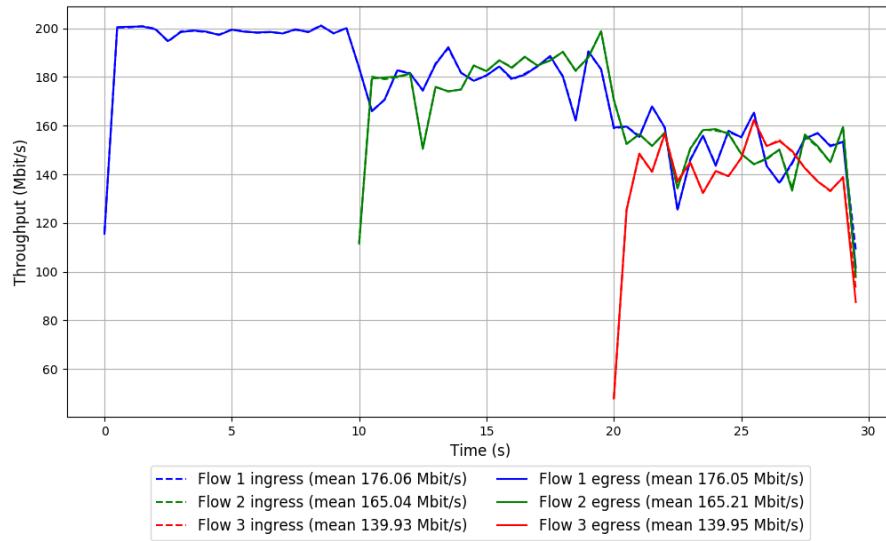


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-20 12:05:55
End at: 2018-02-20 12:06:25
Local clock offset: -0.274 ms
Remote clock offset: -4.105 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.33 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 176.05 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 165.21 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 139.95 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.20%
```

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

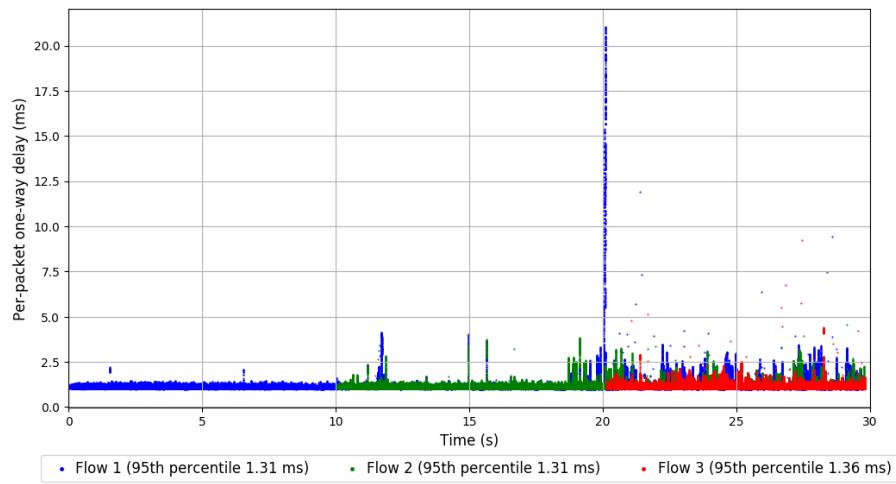
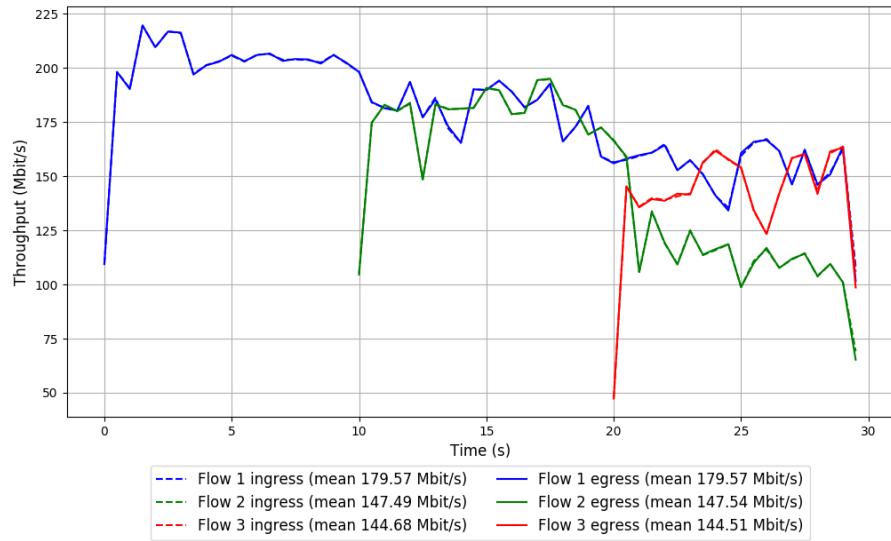


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-20 12:35:06
End at: 2018-02-20 12:35:36
Local clock offset: 1.186 ms
Remote clock offset: -5.418 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.51 Mbit/s
95th percentile per-packet one-way delay: 1.322 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 147.54 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 144.51 Mbit/s
95th percentile per-packet one-way delay: 1.363 ms
Loss rate: 0.30%
```

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

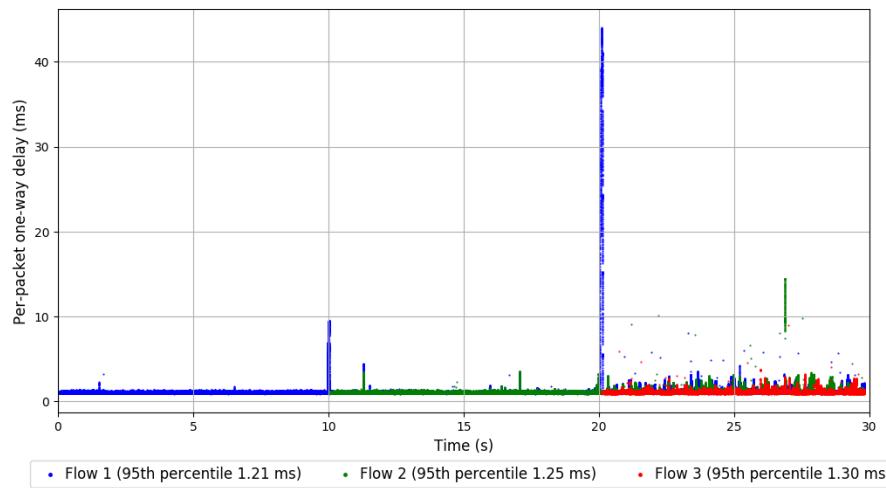
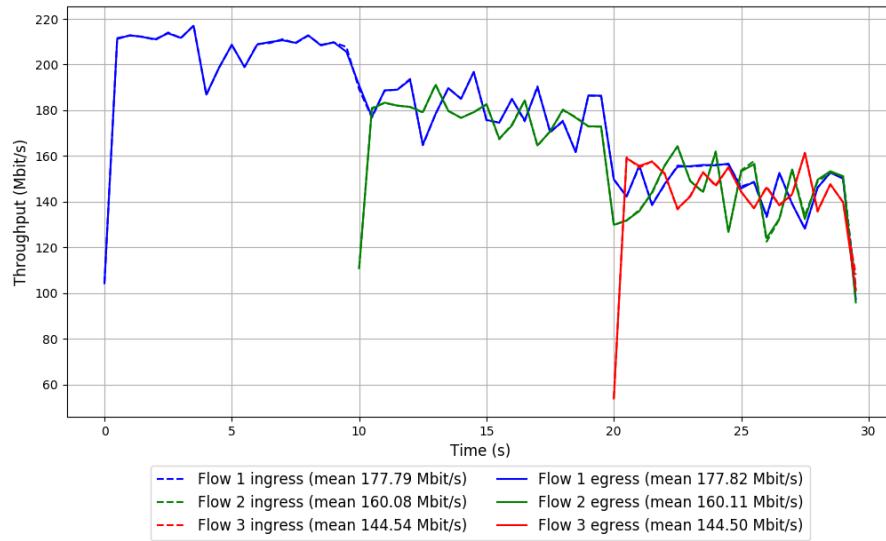


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-20 13:04:21
End at: 2018-02-20 13:04:51
Local clock offset: 1.37 ms
Remote clock offset: -6.462 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.14 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 160.11 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 144.50 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.23%
```

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

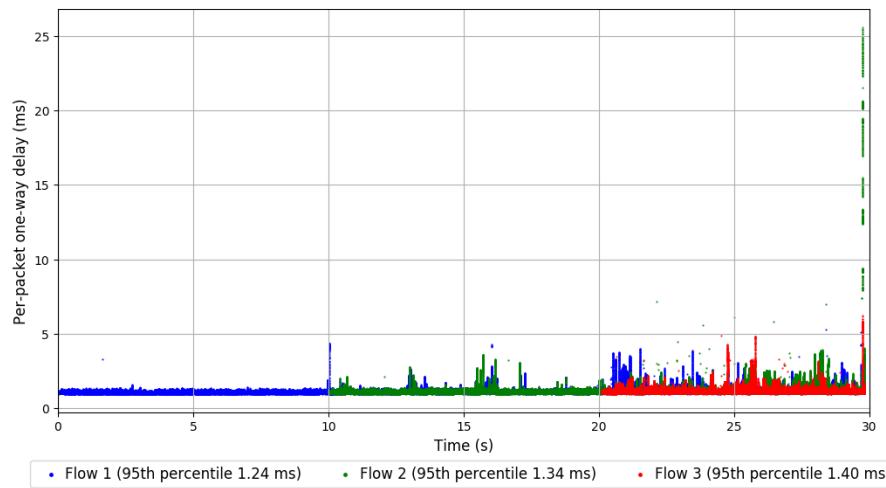
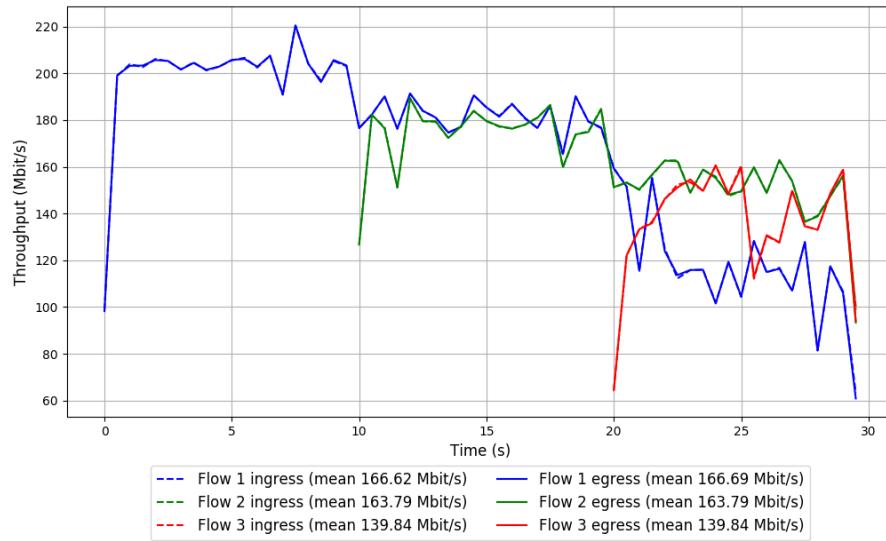


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-20 13:33:38
End at: 2018-02-20 13:34:08
Local clock offset: 1.151 ms
Remote clock offset: -6.936 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.97 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 166.69 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 163.79 Mbit/s
95th percentile per-packet one-way delay: 1.338 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 139.84 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.18%
```

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

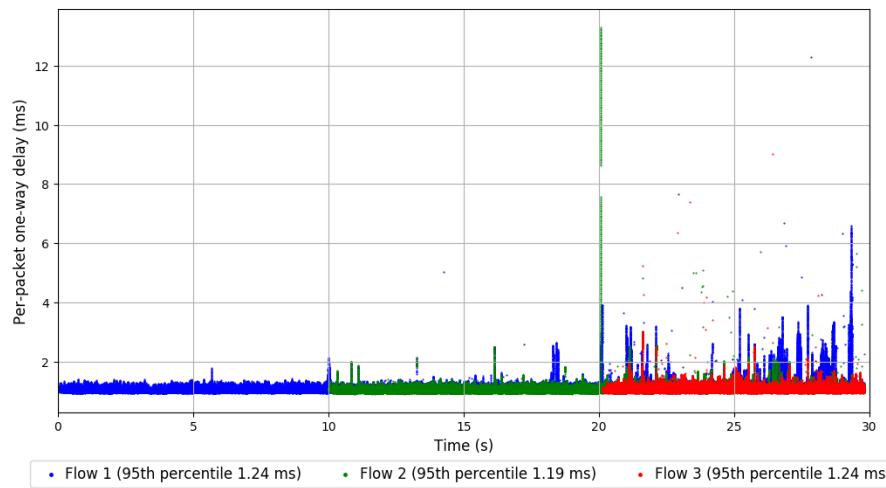
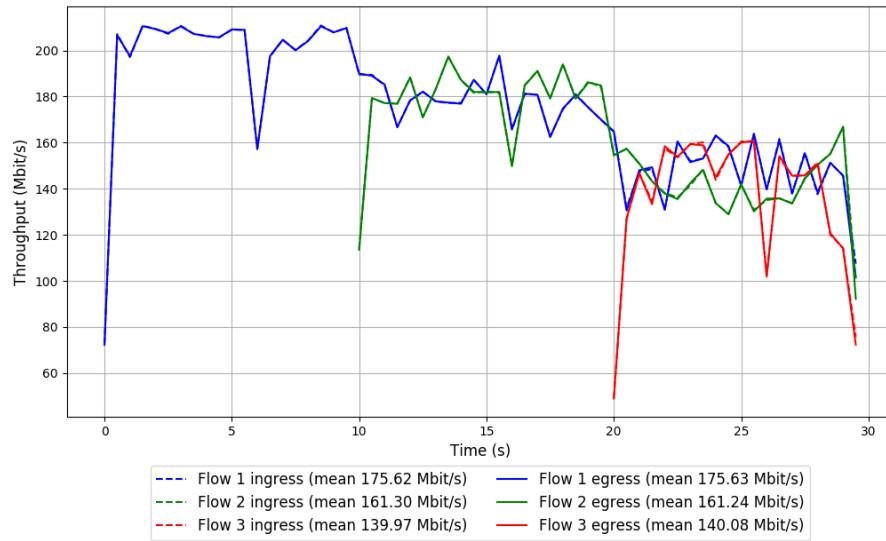


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-20 14:03:00
End at: 2018-02-20 14:03:30
Local clock offset: 1.208 ms
Remote clock offset: -6.664 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.26 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.63 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 161.24 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 140.08 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.13%
```

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

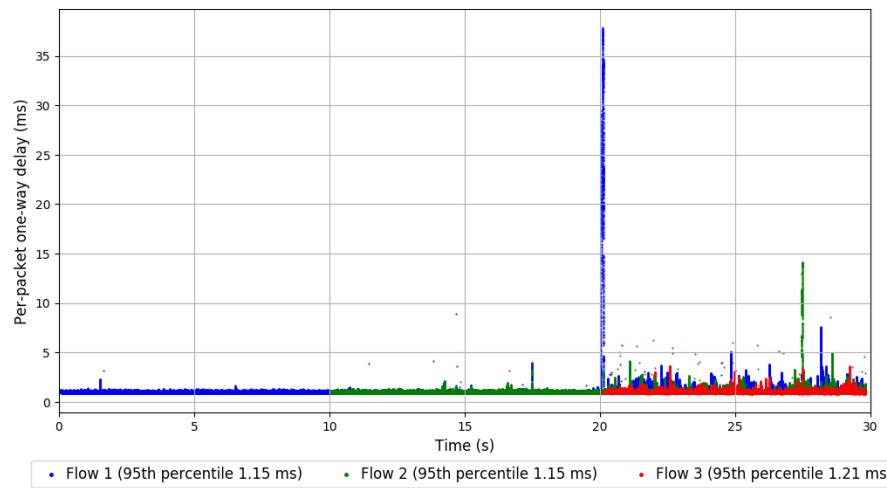
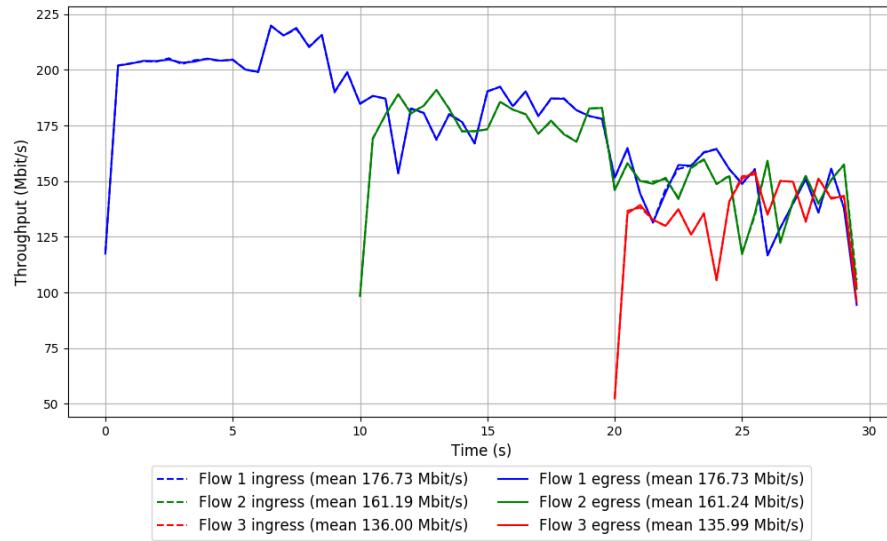


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-20 14:32:09
End at: 2018-02-20 14:32:39
Local clock offset: 3.23 ms
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.01 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 176.73 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 161.24 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 135.99 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.26%
```

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

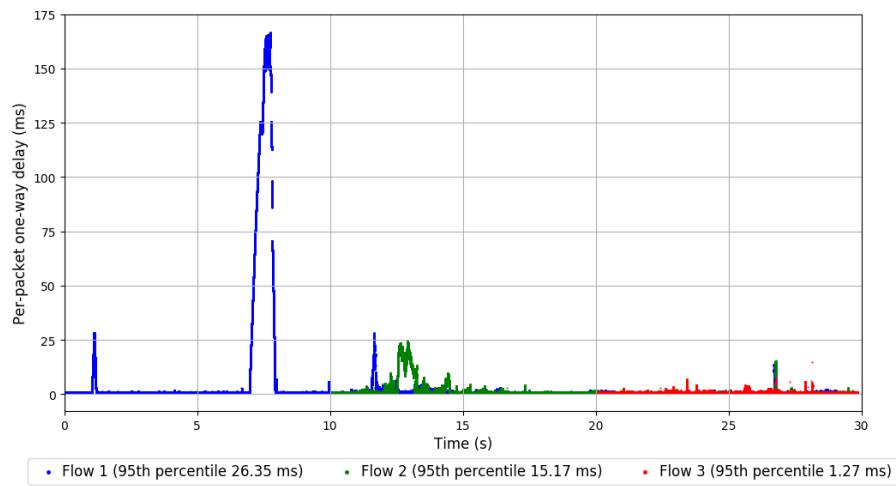
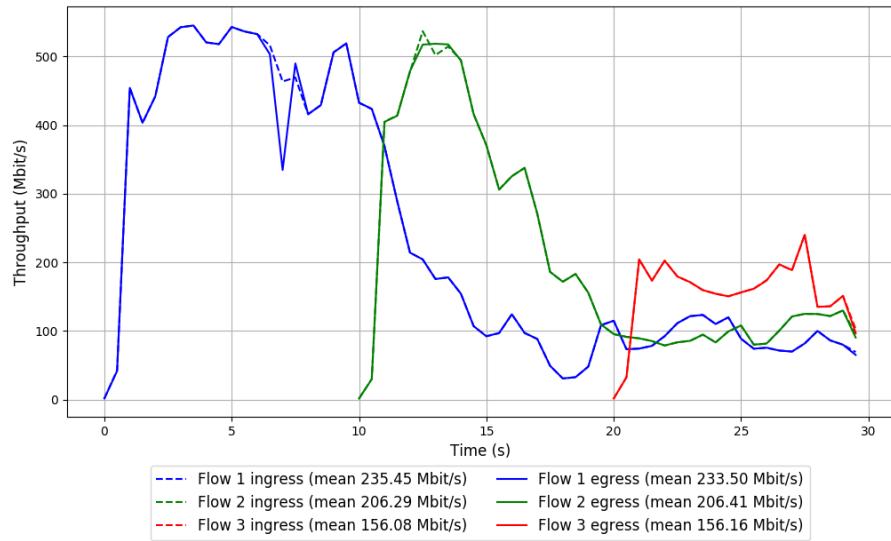


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-20 09:50:13
End at: 2018-02-20 09:50:43
Local clock offset: -0.547 ms
Remote clock offset: -5.234 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.86 Mbit/s
95th percentile per-packet one-way delay: 15.316 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 233.50 Mbit/s
95th percentile per-packet one-way delay: 26.347 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 206.41 Mbit/s
95th percentile per-packet one-way delay: 15.174 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 156.16 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.19%
```

Run 1: Report of Vivace-latency — Data Link

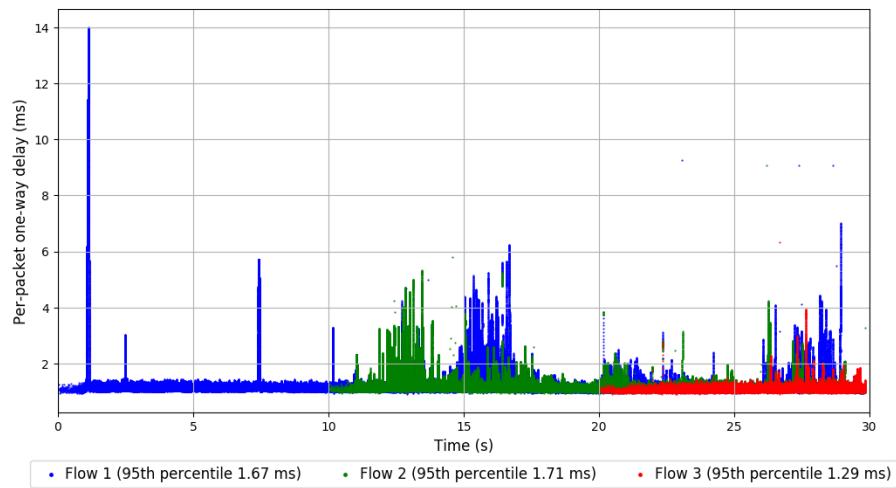
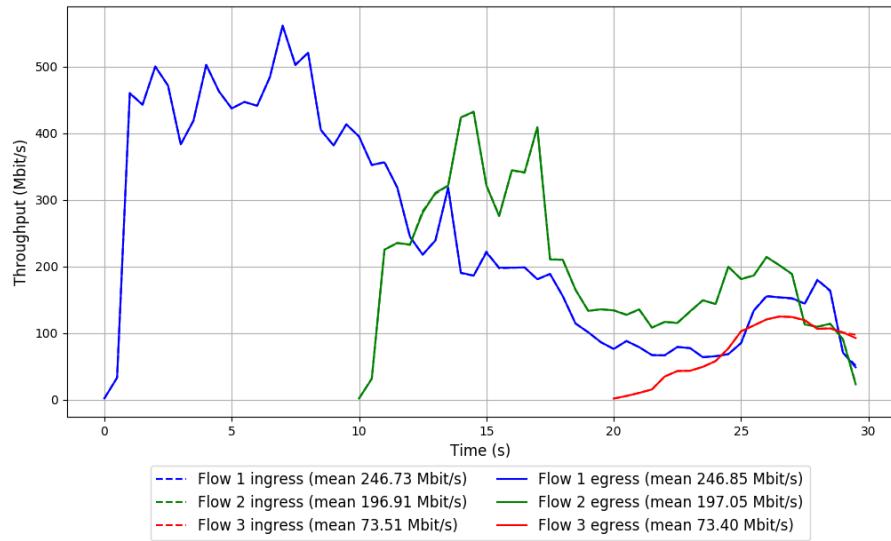


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-20 10:19:42
End at: 2018-02-20 10:20:12
Local clock offset: 1.113 ms
Remote clock offset: -6.351 ms

# Below is generated by plot.py at 2018-02-20 21:45:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.91 Mbit/s
95th percentile per-packet one-way delay: 1.654 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 246.85 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 197.05 Mbit/s
95th percentile per-packet one-way delay: 1.708 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.36%
```

Run 2: Report of Vivace-latency — Data Link

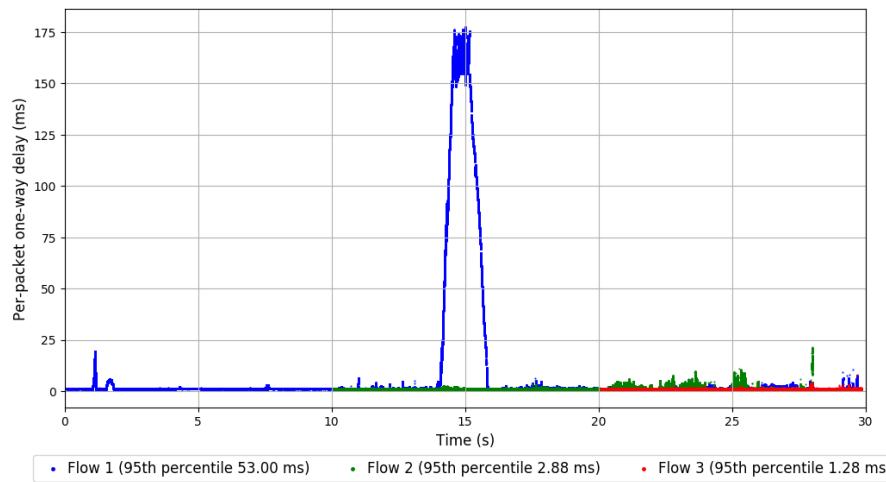
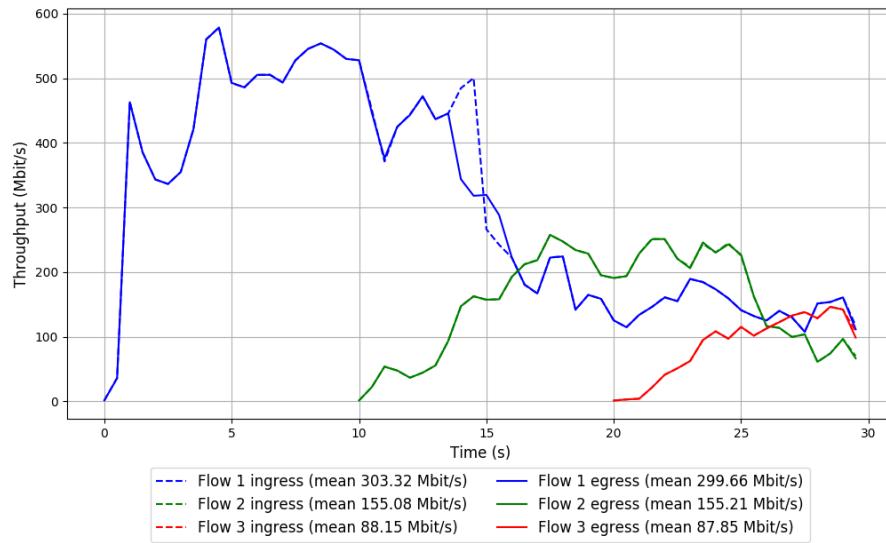


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-20 10:48:52
End at: 2018-02-20 10:49:22
Local clock offset: 0.938 ms
Remote clock offset: -6.601 ms

# Below is generated by plot.py at 2018-02-20 21:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.57 Mbit/s
95th percentile per-packet one-way delay: 5.566 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 299.66 Mbit/s
95th percentile per-packet one-way delay: 52.996 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 155.21 Mbit/s
95th percentile per-packet one-way delay: 2.879 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.56%
```

Run 3: Report of Vivace-latency — Data Link

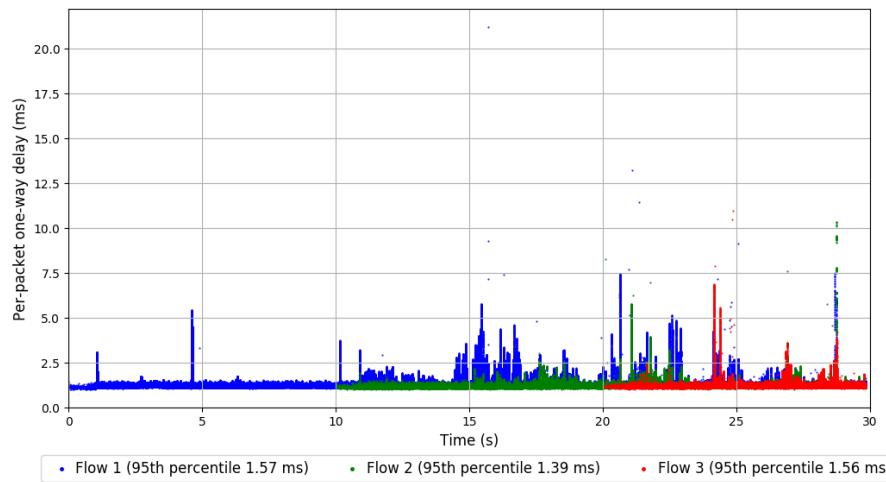
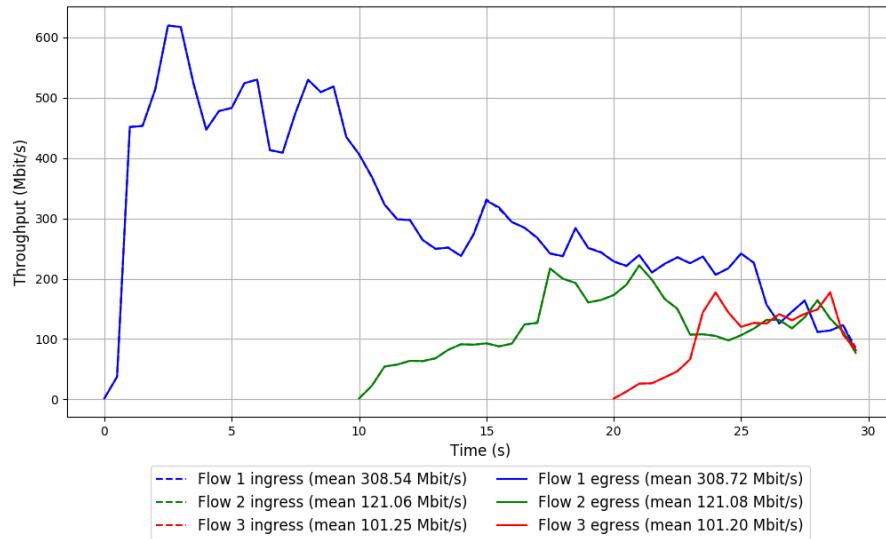


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-20 11:17:54
End at: 2018-02-20 11:18:24
Local clock offset: 0.958 ms
Remote clock offset: -5.722 ms

# Below is generated by plot.py at 2018-02-20 21:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.37 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 308.72 Mbit/s
95th percentile per-packet one-way delay: 1.569 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 121.08 Mbit/s
95th percentile per-packet one-way delay: 1.392 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 101.20 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.26%
```

Run 4: Report of Vivace-latency — Data Link

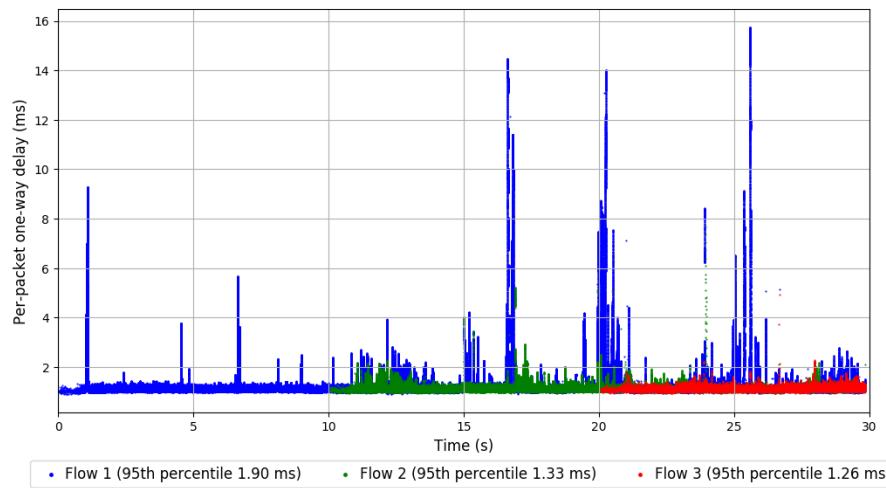
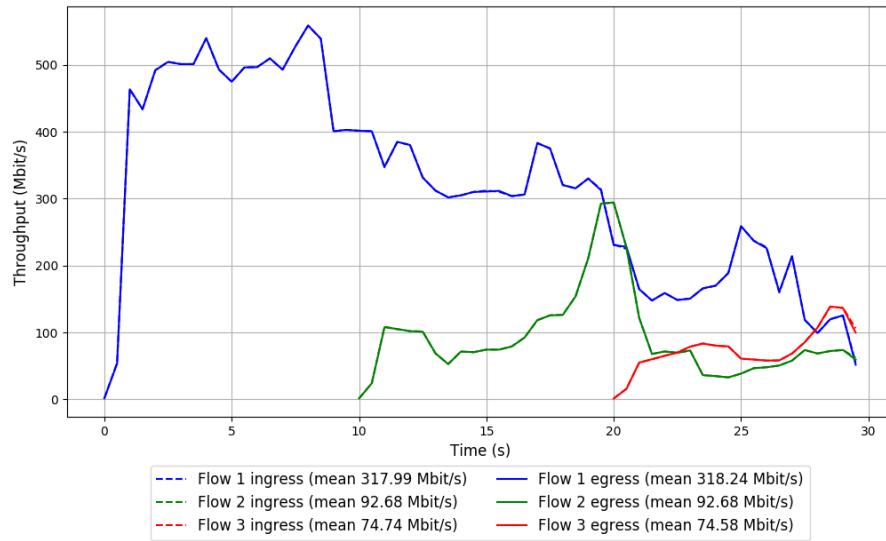


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-20 11:47:01
End at: 2018-02-20 11:47:31
Local clock offset: -0.13 ms
Remote clock offset: -4.339 ms

# Below is generated by plot.py at 2018-02-20 21:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.13 Mbit/s
95th percentile per-packet one-way delay: 1.643 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 318.24 Mbit/s
95th percentile per-packet one-way delay: 1.900 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.47%
```

Run 5: Report of Vivace-latency — Data Link

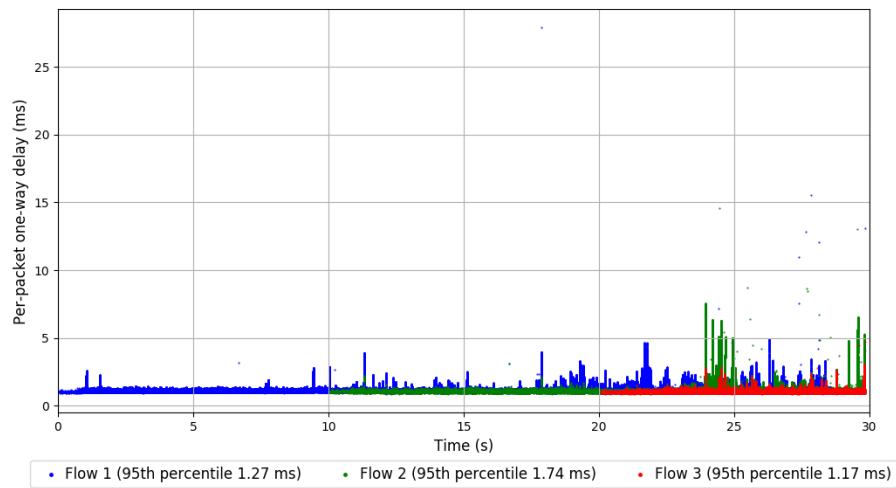
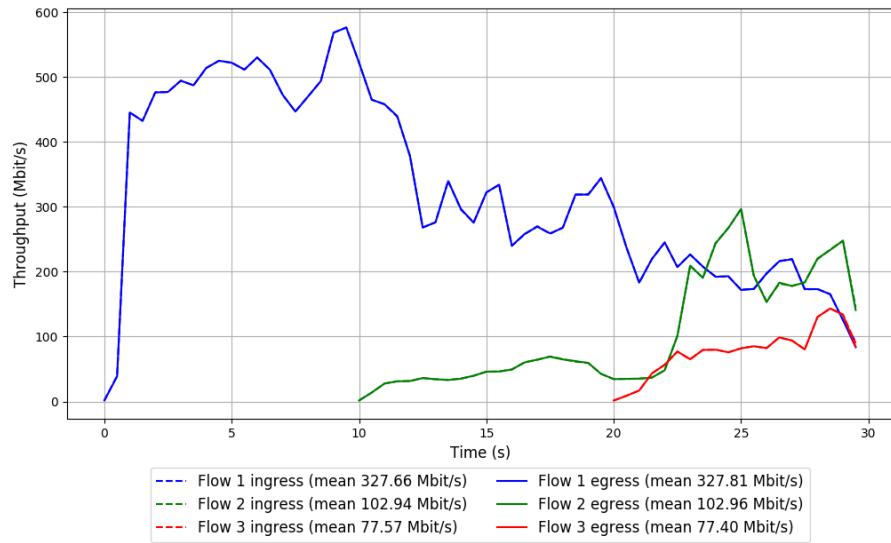


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-20 12:16:10
End at: 2018-02-20 12:16:40
Local clock offset: 0.69 ms
Remote clock offset: -3.876 ms

# Below is generated by plot.py at 2018-02-20 21:47:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.54 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 327.81 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 102.96 Mbit/s
95th percentile per-packet one-way delay: 1.735 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.38%
```

Run 6: Report of Vivace-latency — Data Link

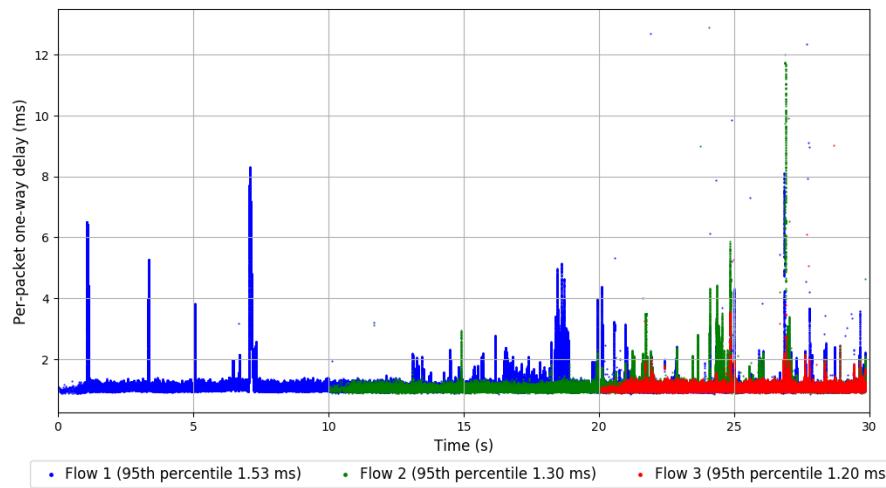
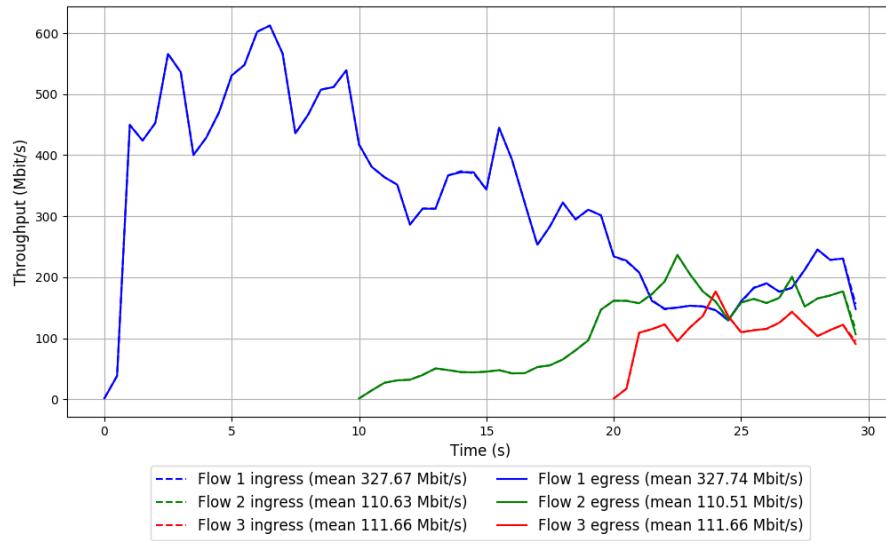


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-20 12:45:22
End at: 2018-02-20 12:45:52
Local clock offset: 1.246 ms
Remote clock offset: -5.686 ms

# Below is generated by plot.py at 2018-02-20 21:50:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.78 Mbit/s
95th percentile per-packet one-way delay: 1.417 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 327.74 Mbit/s
95th percentile per-packet one-way delay: 1.528 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 110.51 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 111.66 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.21%
```

Run 7: Report of Vivace-latency — Data Link

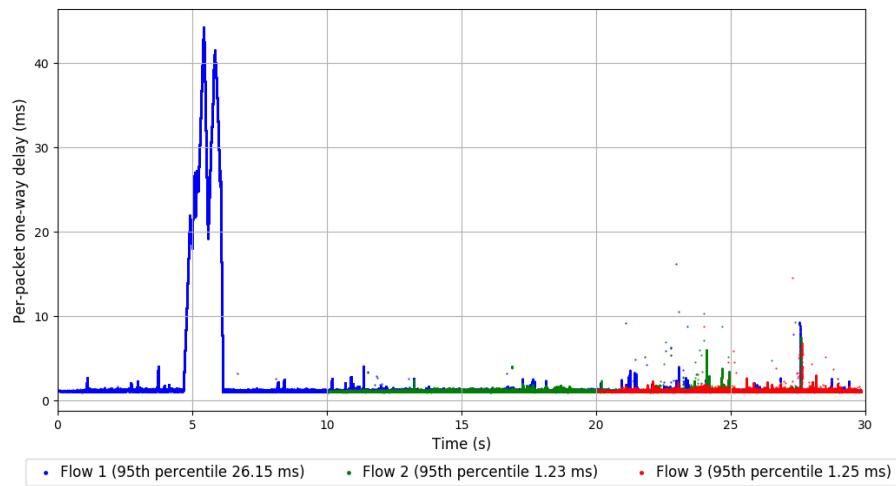
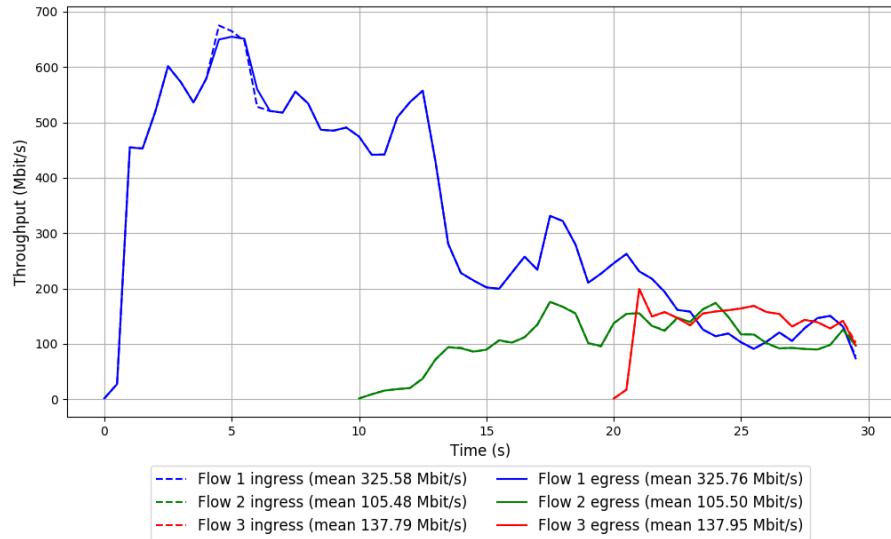


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-20 13:14:39
End at: 2018-02-20 13:15:09
Local clock offset: 1.353 ms
Remote clock offset: -6.892 ms

# Below is generated by plot.py at 2018-02-20 21:50:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.17 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 325.76 Mbit/s
95th percentile per-packet one-way delay: 26.152 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 105.50 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 137.95 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.20%
```

Run 8: Report of Vivace-latency — Data Link

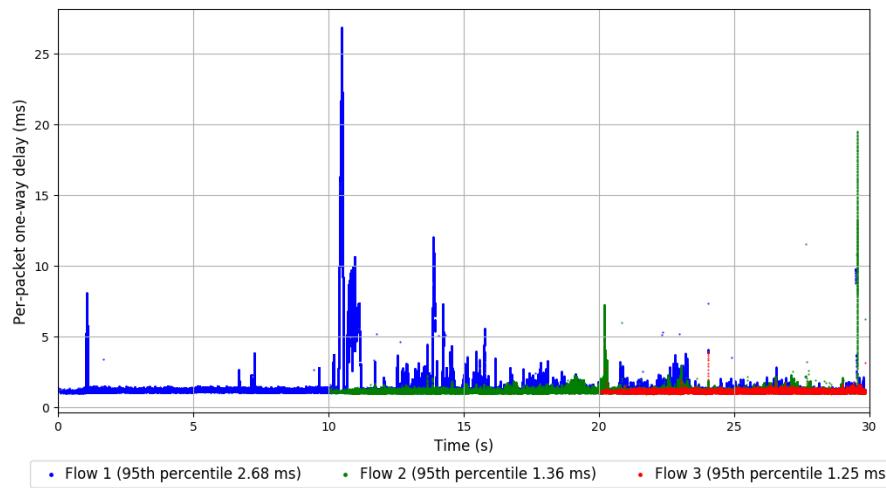
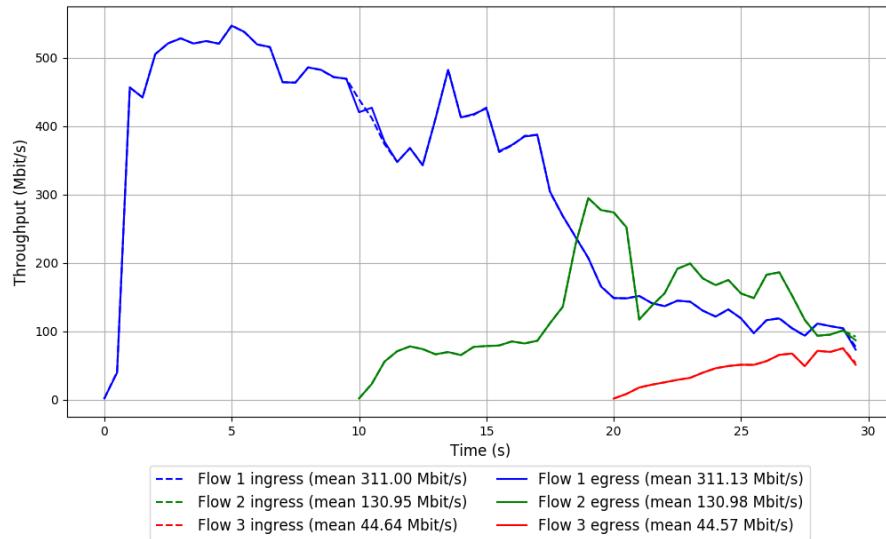


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-20 13:43:58
End at: 2018-02-20 13:44:29
Local clock offset: 1.196 ms
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-02-20 21:50:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.71 Mbit/s
95th percentile per-packet one-way delay: 2.114 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 311.13 Mbit/s
95th percentile per-packet one-way delay: 2.676 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 130.98 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.34%
```

Run 9: Report of Vivace-latency — Data Link

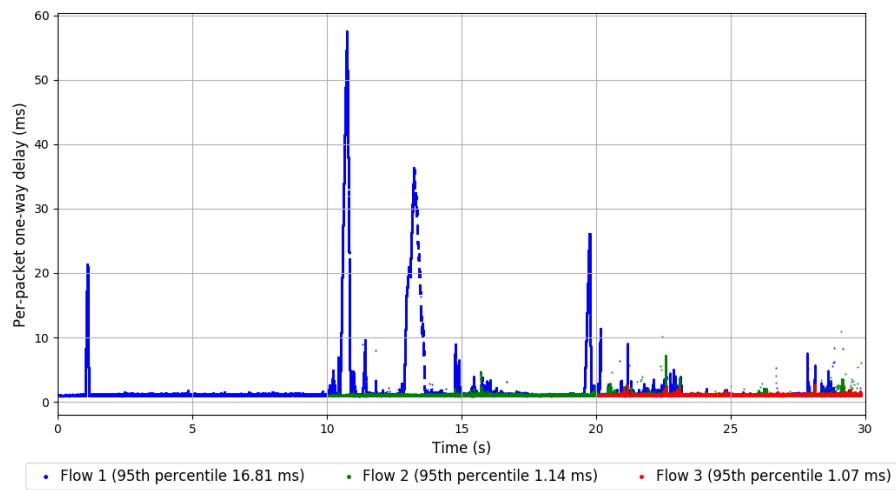
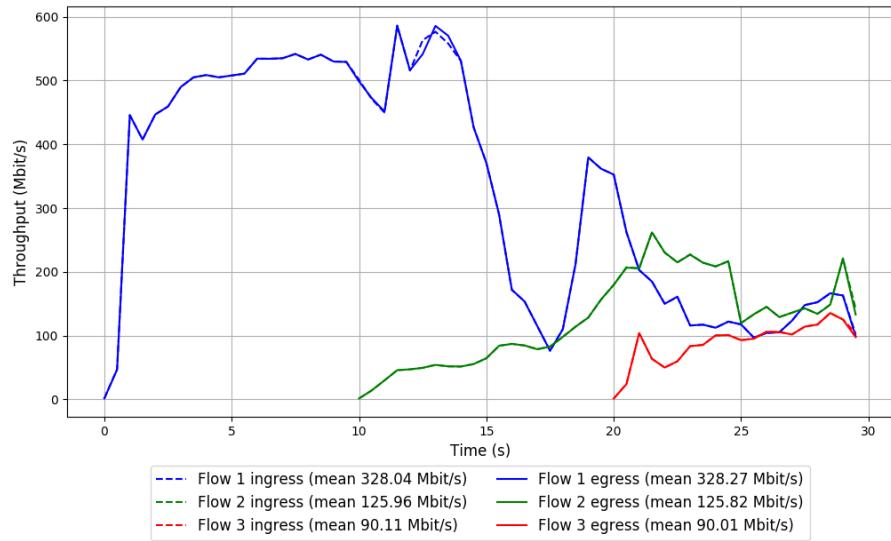


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-20 14:13:13
End at: 2018-02-20 14:13:43
Local clock offset: 1.126 ms
Remote clock offset: -6.497 ms

# Below is generated by plot.py at 2018-02-20 21:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.36 Mbit/s
95th percentile per-packet one-way delay: 9.569 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 328.27 Mbit/s
95th percentile per-packet one-way delay: 16.806 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 125.82 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.38%
```

Run 10: Report of Vivace-latency — Data Link

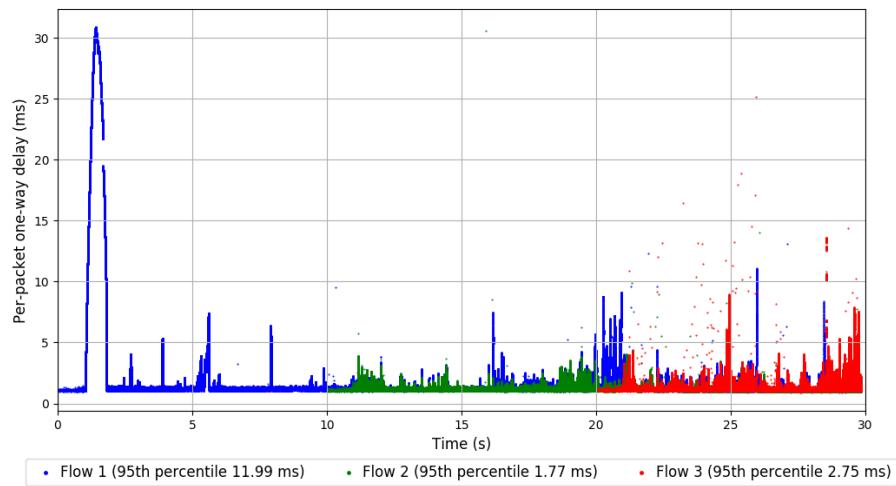
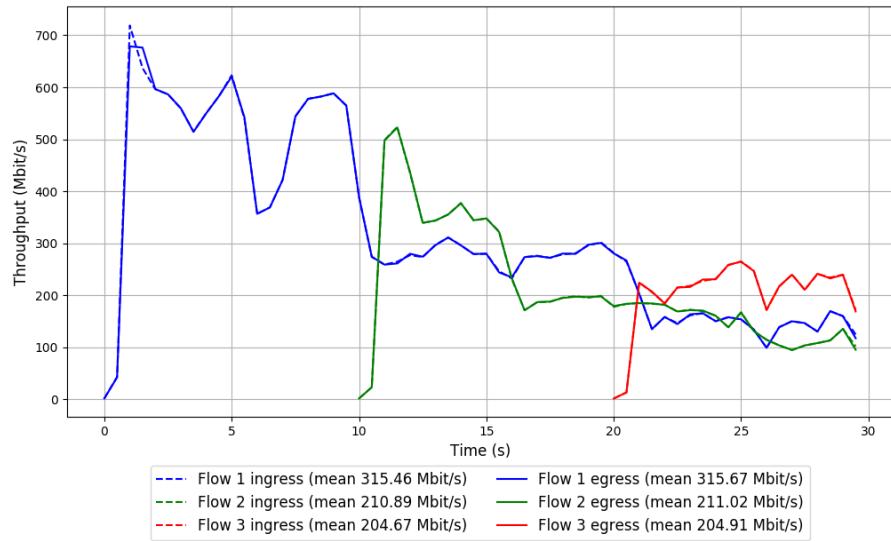


Run 1: Statistics of Vivace-loss

```
Start at: 2018-02-20 09:46:44
End at: 2018-02-20 09:47:14
Local clock offset: -0.927 ms
Remote clock offset: -5.242 ms

# Below is generated by plot.py at 2018-02-20 21:54:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 523.07 Mbit/s
95th percentile per-packet one-way delay: 3.744 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 315.67 Mbit/s
95th percentile per-packet one-way delay: 11.994 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 1.773 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 204.91 Mbit/s
95th percentile per-packet one-way delay: 2.750 ms
Loss rate: 0.12%
```

Run 1: Report of Vivace-loss — Data Link

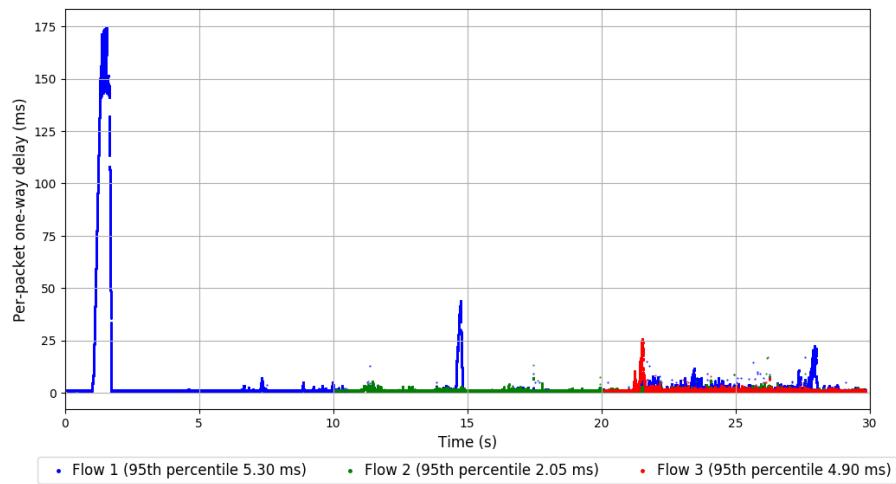
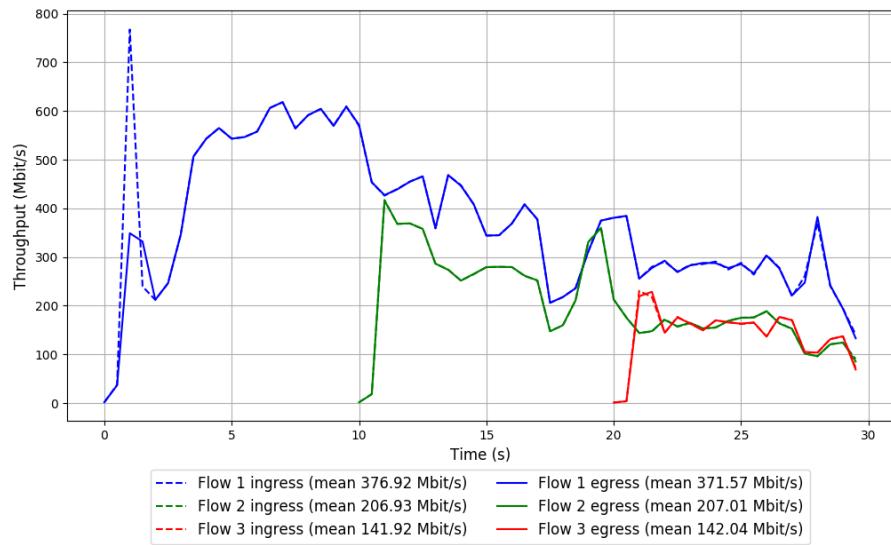


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-20 10:16:12
End at: 2018-02-20 10:16:42
Local clock offset: 1.056 ms
Remote clock offset: -6.206 ms

# Below is generated by plot.py at 2018-02-20 21:55:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.53 Mbit/s
95th percentile per-packet one-way delay: 3.428 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 371.57 Mbit/s
95th percentile per-packet one-way delay: 5.303 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 207.01 Mbit/s
95th percentile per-packet one-way delay: 2.047 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 142.04 Mbit/s
95th percentile per-packet one-way delay: 4.901 ms
Loss rate: 0.12%
```

Run 2: Report of Vivace-loss — Data Link

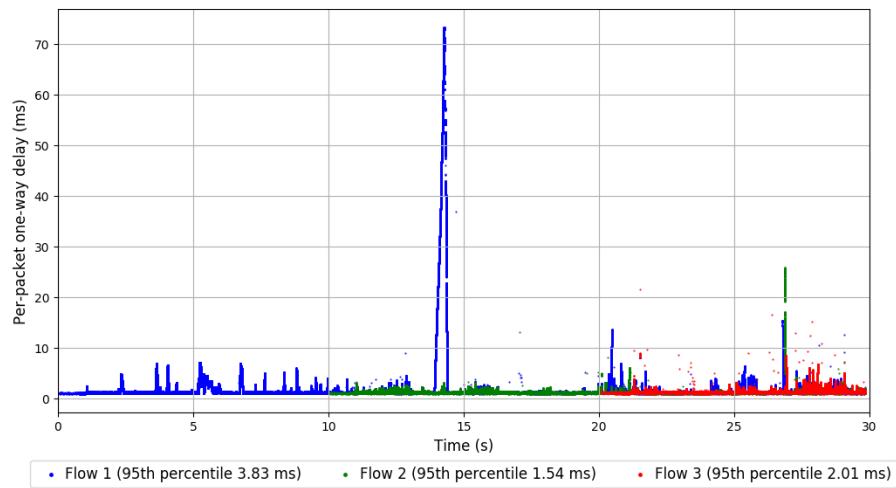
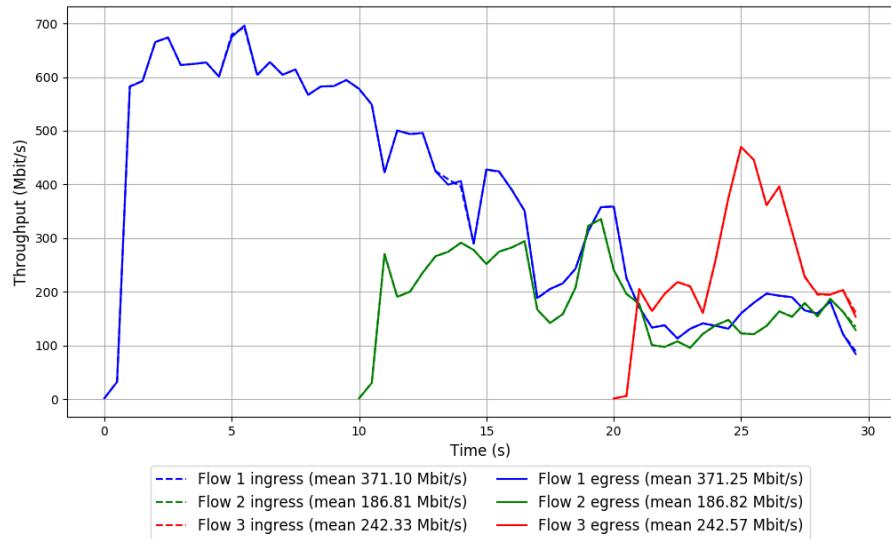


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-20 10:45:21
End at: 2018-02-20 10:45:51
Local clock offset: 0.96 ms
Remote clock offset: -6.544 ms

# Below is generated by plot.py at 2018-02-20 21:55:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.01 Mbit/s
95th percentile per-packet one-way delay: 2.931 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 371.25 Mbit/s
95th percentile per-packet one-way delay: 3.825 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 186.82 Mbit/s
95th percentile per-packet one-way delay: 1.541 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 242.57 Mbit/s
95th percentile per-packet one-way delay: 2.006 ms
Loss rate: 0.18%
```

Run 3: Report of Vivace-loss — Data Link

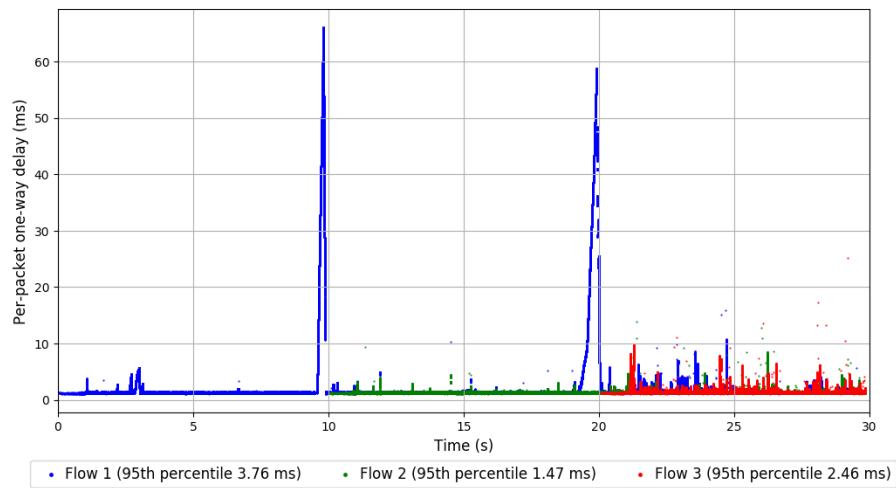
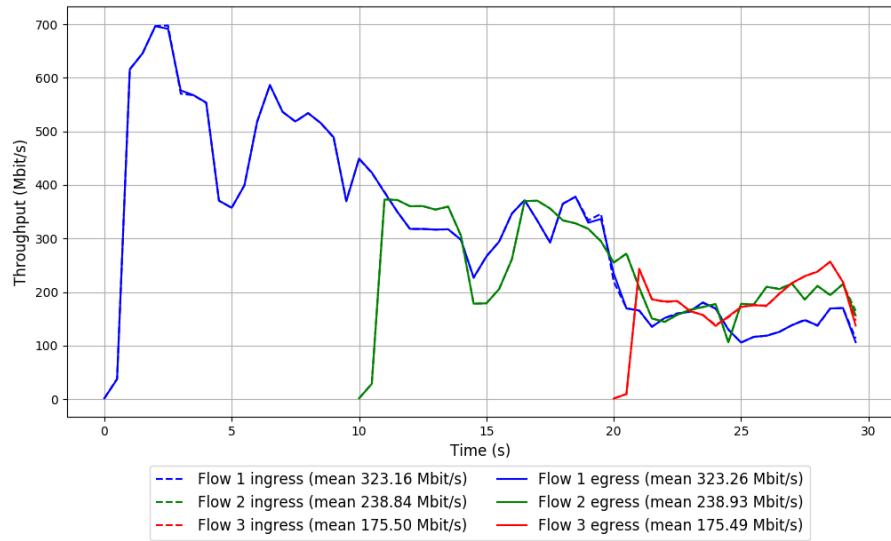


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-20 11:14:24
End at: 2018-02-20 11:14:54
Local clock offset: 0.959 ms
Remote clock offset: -6.203 ms

# Below is generated by plot.py at 2018-02-20 21:55:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.46 Mbit/s
95th percentile per-packet one-way delay: 2.335 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 323.26 Mbit/s
95th percentile per-packet one-way delay: 3.761 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 238.93 Mbit/s
95th percentile per-packet one-way delay: 1.472 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 175.49 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.28%
```

Run 4: Report of Vivace-loss — Data Link

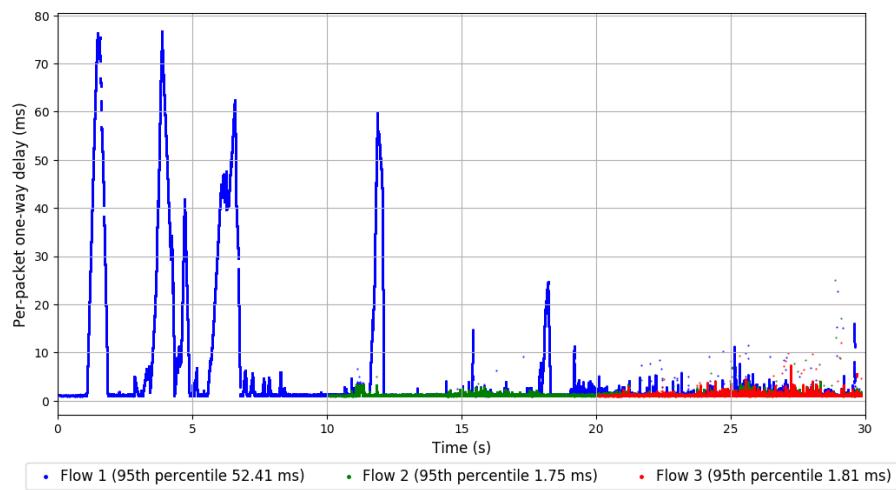
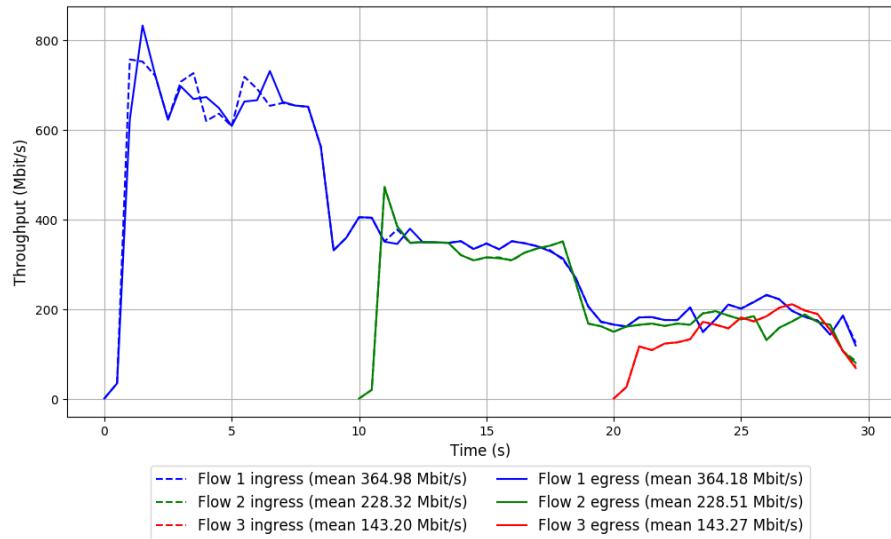


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-20 11:43:29
End at: 2018-02-20 11:43:59
Local clock offset: -0.127 ms
Remote clock offset: -4.505 ms

# Below is generated by plot.py at 2018-02-20 21:58:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 563.01 Mbit/s
95th percentile per-packet one-way delay: 44.618 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 364.18 Mbit/s
95th percentile per-packet one-way delay: 52.413 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 228.51 Mbit/s
95th percentile per-packet one-way delay: 1.752 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 1.809 ms
Loss rate: 0.11%
```

Run 5: Report of Vivace-loss — Data Link

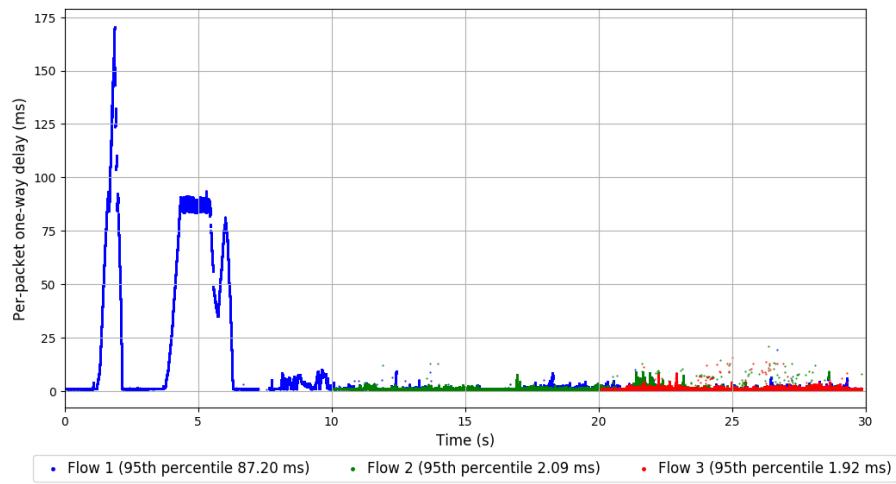
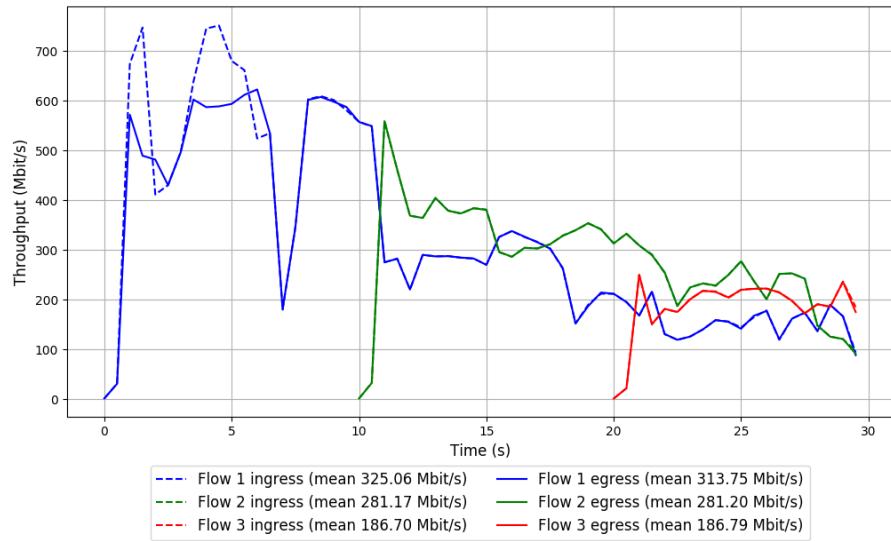


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-20 12:12:39
End at: 2018-02-20 12:13:09
Local clock offset: 0.367 ms
Remote clock offset: -3.979 ms

# Below is generated by plot.py at 2018-02-20 21:58:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.64 Mbit/s
95th percentile per-packet one-way delay: 84.328 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 313.75 Mbit/s
95th percentile per-packet one-way delay: 87.196 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 281.20 Mbit/s
95th percentile per-packet one-way delay: 2.086 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 186.79 Mbit/s
95th percentile per-packet one-way delay: 1.924 ms
Loss rate: 0.29%
```

Run 6: Report of Vivace-loss — Data Link

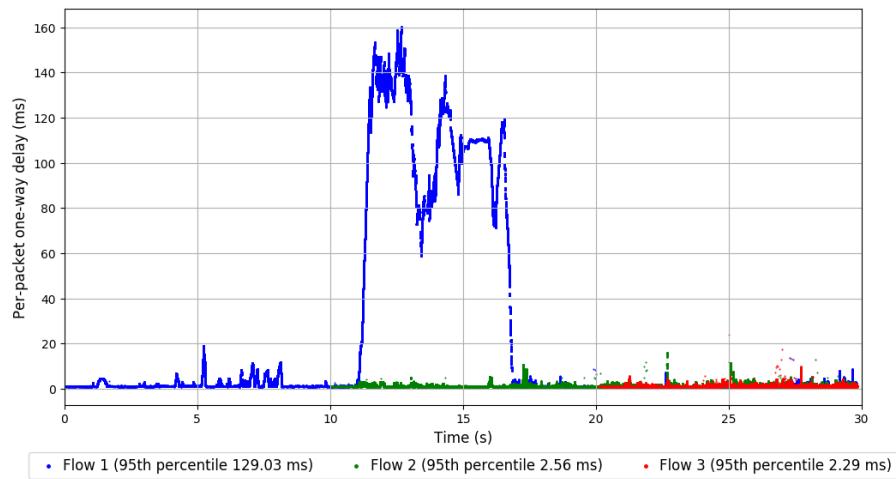
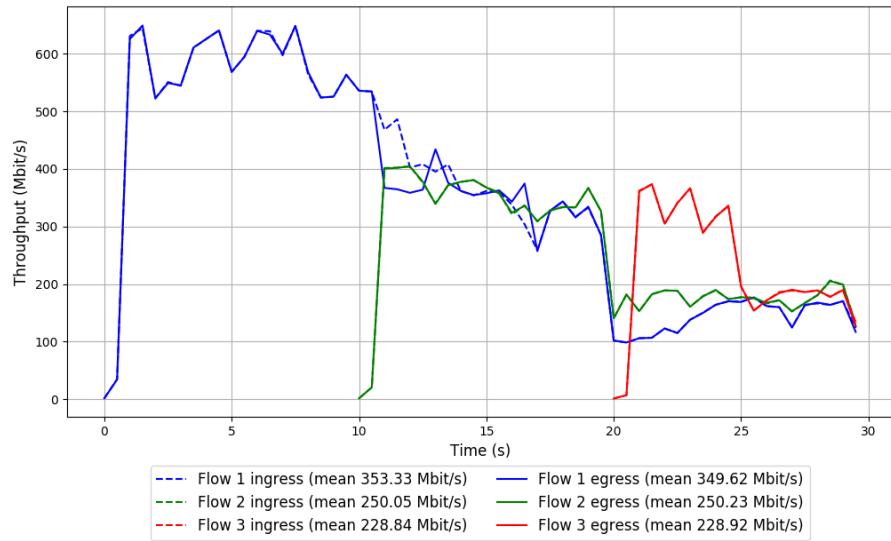


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-20 12:41:50
End at: 2018-02-20 12:42:20
Local clock offset: 1.236 ms
Remote clock offset: -5.63 ms

# Below is generated by plot.py at 2018-02-20 21:59:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 590.52 Mbit/s
95th percentile per-packet one-way delay: 110.547 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 349.62 Mbit/s
95th percentile per-packet one-way delay: 129.026 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 250.23 Mbit/s
95th percentile per-packet one-way delay: 2.563 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 228.92 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.18%
```

Run 7: Report of Vivace-loss — Data Link

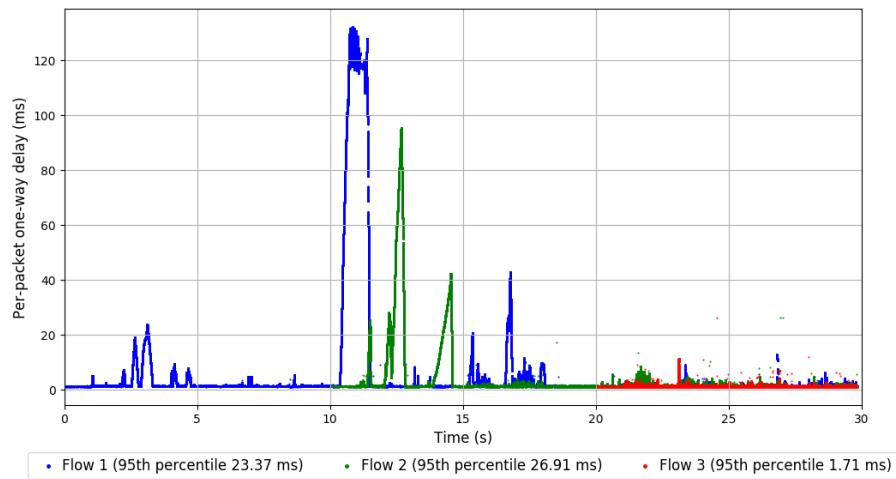
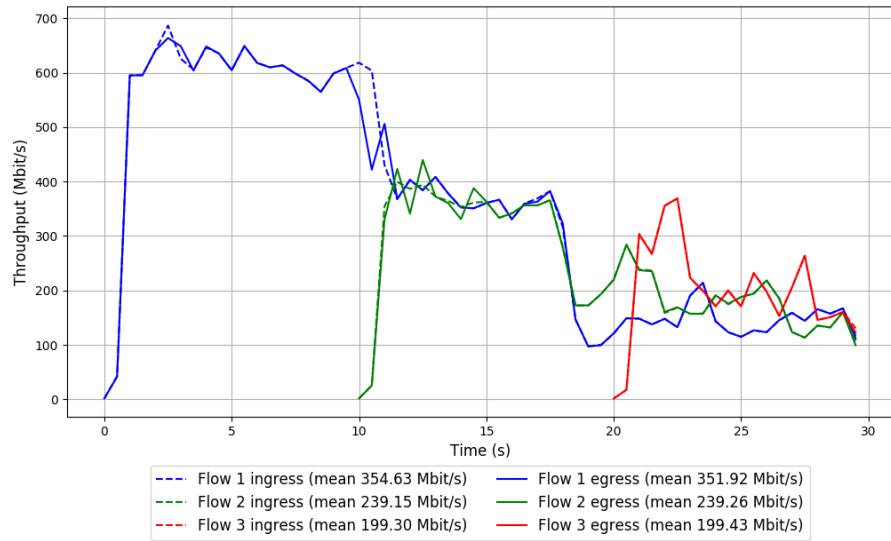


Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-20 13:11:08
End at: 2018-02-20 13:11:38
Local clock offset: 1.391 ms
Remote clock offset: -6.793 ms

# Below is generated by plot.py at 2018-02-20 22:00:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 576.32 Mbit/s
95th percentile per-packet one-way delay: 22.352 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 351.92 Mbit/s
95th percentile per-packet one-way delay: 23.366 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 239.26 Mbit/s
95th percentile per-packet one-way delay: 26.914 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 199.43 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.22%
```

Run 8: Report of Vivace-loss — Data Link

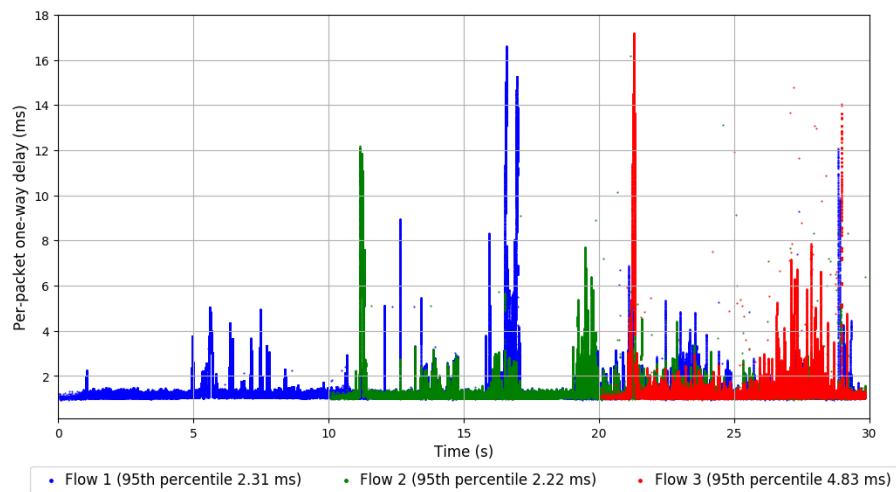
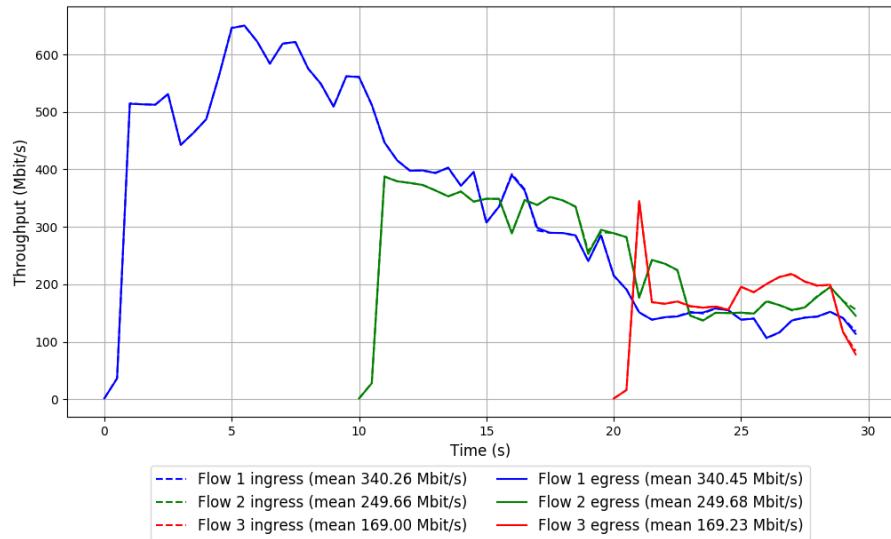


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-20 13:40:27
End at: 2018-02-20 13:40:57
Local clock offset: 1.175 ms
Remote clock offset: -6.783 ms

# Below is generated by plot.py at 2018-02-20 22:02:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.74 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 340.45 Mbit/s
95th percentile per-packet one-way delay: 2.310 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 249.68 Mbit/s
95th percentile per-packet one-way delay: 2.216 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 169.23 Mbit/s
95th percentile per-packet one-way delay: 4.832 ms
Loss rate: 0.19%
```

Run 9: Report of Vivace-loss — Data Link

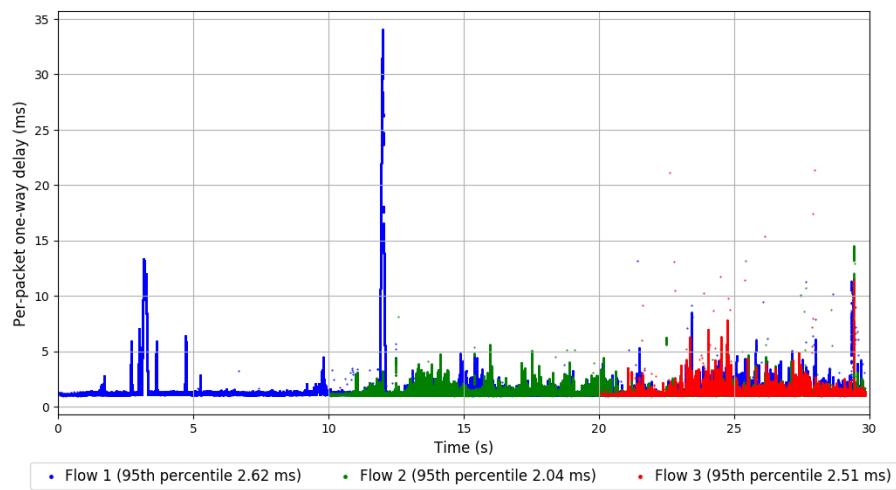
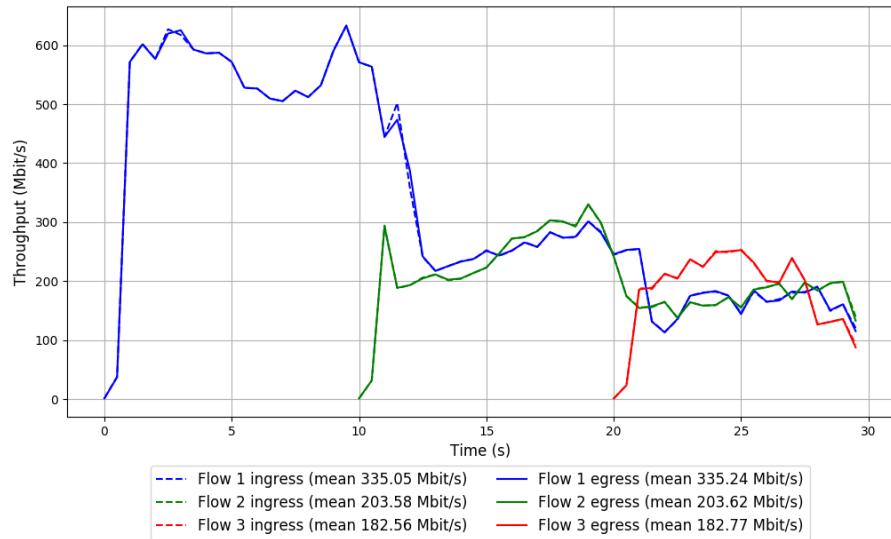


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-20 14:09:43
End at: 2018-02-20 14:10:13
Local clock offset: 1.22 ms
Remote clock offset: -6.59 ms

# Below is generated by plot.py at 2018-02-20 22:02:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.58 Mbit/s
95th percentile per-packet one-way delay: 2.358 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 335.24 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 203.62 Mbit/s
95th percentile per-packet one-way delay: 2.037 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 182.77 Mbit/s
95th percentile per-packet one-way delay: 2.510 ms
Loss rate: 0.15%
```

Run 10: Report of Vivace-loss — Data Link

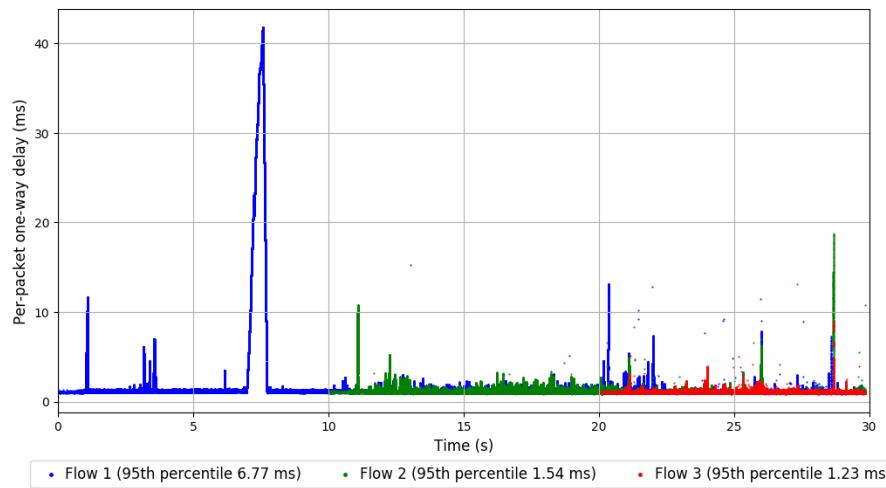
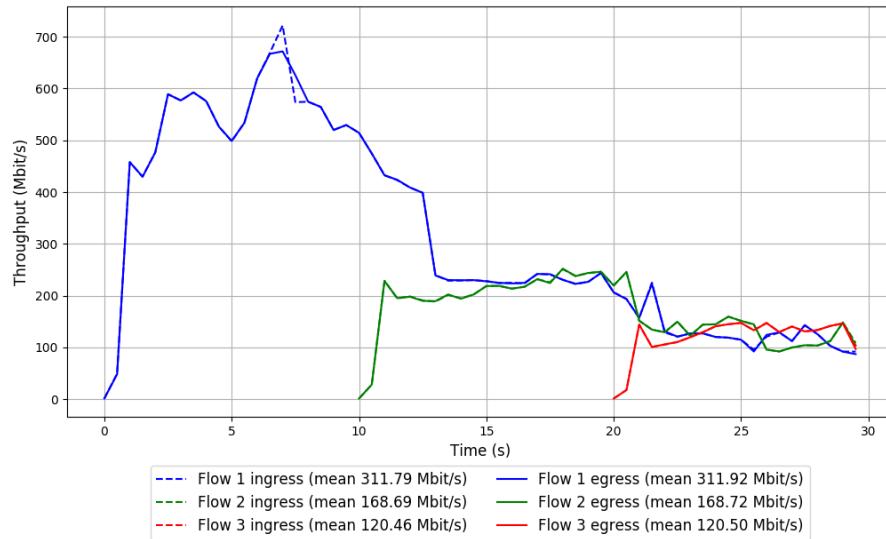


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-20 10:03:17
End at: 2018-02-20 10:03:47
Local clock offset: 0.784 ms
Remote clock offset: -5.041 ms

# Below is generated by plot.py at 2018-02-20 22:02:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 463.49 Mbit/s
95th percentile per-packet one-way delay: 2.810 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 311.92 Mbit/s
95th percentile per-packet one-way delay: 6.771 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 168.72 Mbit/s
95th percentile per-packet one-way delay: 1.544 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 120.50 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.23%
```

Run 1: Report of Vivace-LTE — Data Link

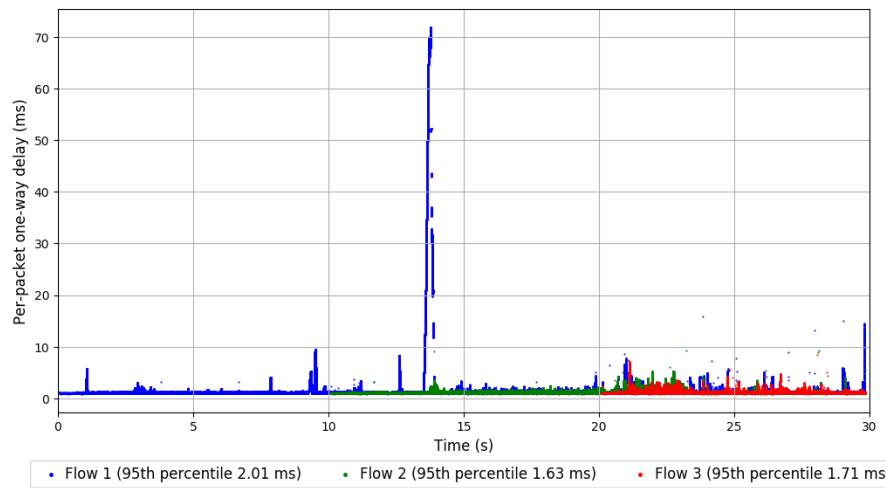
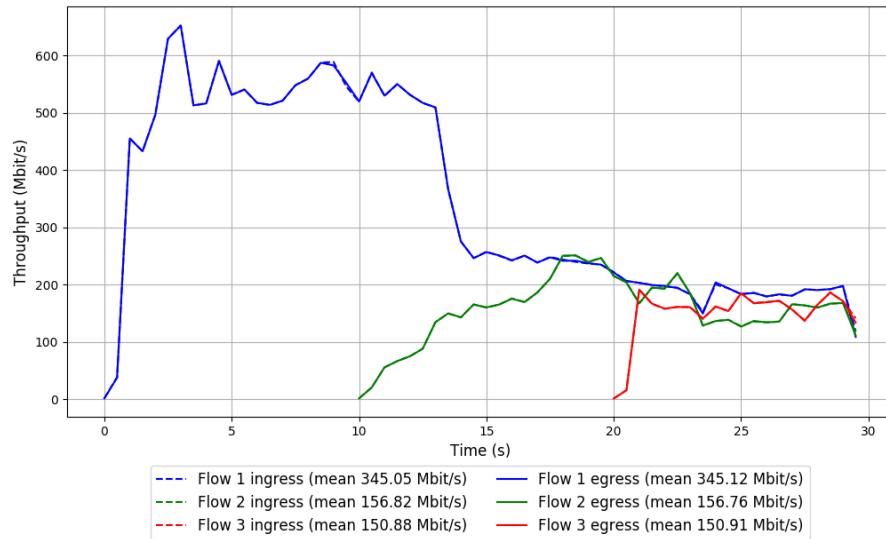


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-20 10:32:26
End at: 2018-02-20 10:32:56
Local clock offset: 0.922 ms
Remote clock offset: -6.62 ms

# Below is generated by plot.py at 2018-02-20 22:02:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 498.68 Mbit/s
95th percentile per-packet one-way delay: 1.881 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 345.12 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 156.76 Mbit/s
95th percentile per-packet one-way delay: 1.632 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 150.91 Mbit/s
95th percentile per-packet one-way delay: 1.710 ms
Loss rate: 0.27%
```

Run 2: Report of Vivace-LTE — Data Link

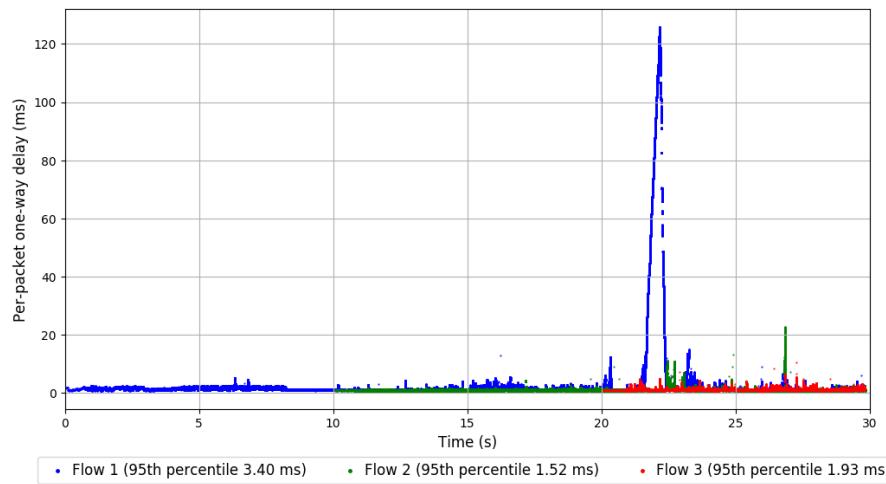
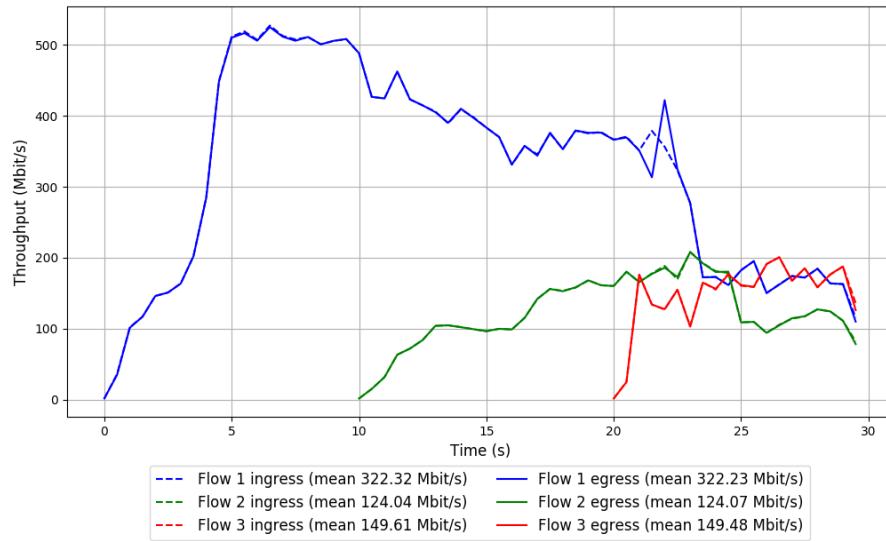


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-20 11:01:43
End at: 2018-02-20 11:02:13
Local clock offset: 0.866 ms
Remote clock offset: -6.55 ms

# Below is generated by plot.py at 2018-02-20 22:05:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 453.70 Mbit/s
95th percentile per-packet one-way delay: 2.571 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 322.23 Mbit/s
95th percentile per-packet one-way delay: 3.395 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 124.07 Mbit/s
95th percentile per-packet one-way delay: 1.516 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 149.48 Mbit/s
95th percentile per-packet one-way delay: 1.927 ms
Loss rate: 0.34%
```

Run 3: Report of Vivace-LTE — Data Link

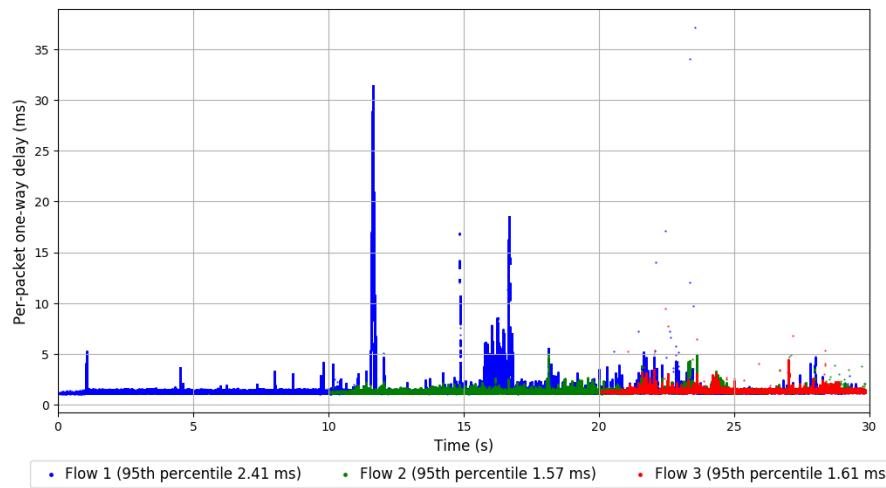
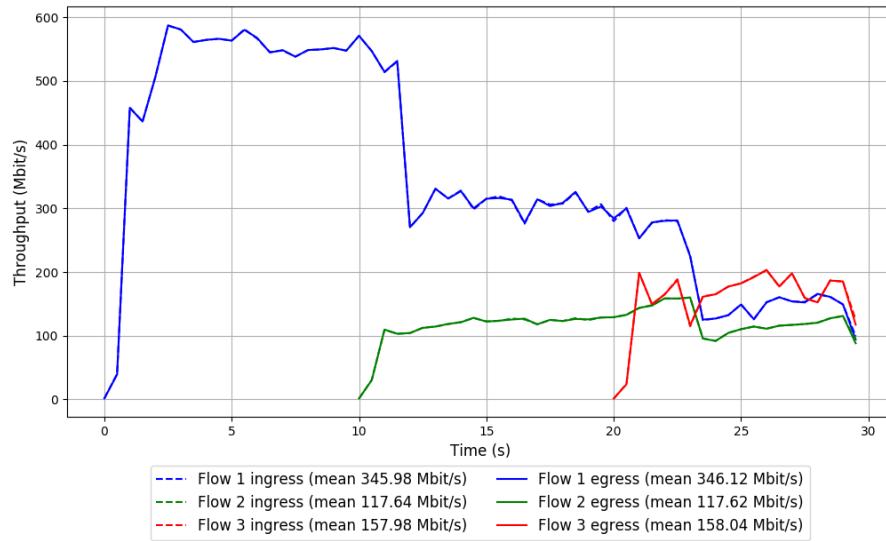


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-20 11:30:35
End at: 2018-02-20 11:31:05
Local clock offset: 0.907 ms
Remote clock offset: -4.863 ms

# Below is generated by plot.py at 2018-02-20 22:05:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.14 Mbit/s
95th percentile per-packet one-way delay: 2.040 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 346.12 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 117.62 Mbit/s
95th percentile per-packet one-way delay: 1.575 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 158.04 Mbit/s
95th percentile per-packet one-way delay: 1.613 ms
Loss rate: 0.25%
```

Run 4: Report of Vivace-LTE — Data Link

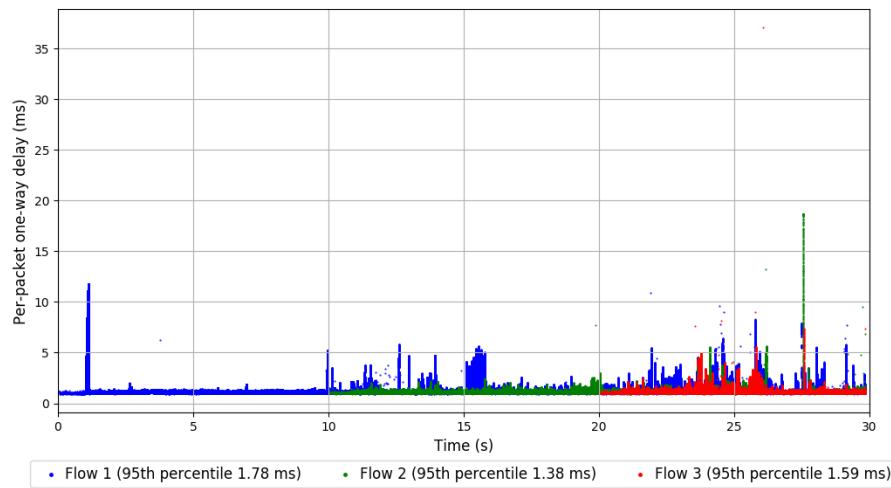
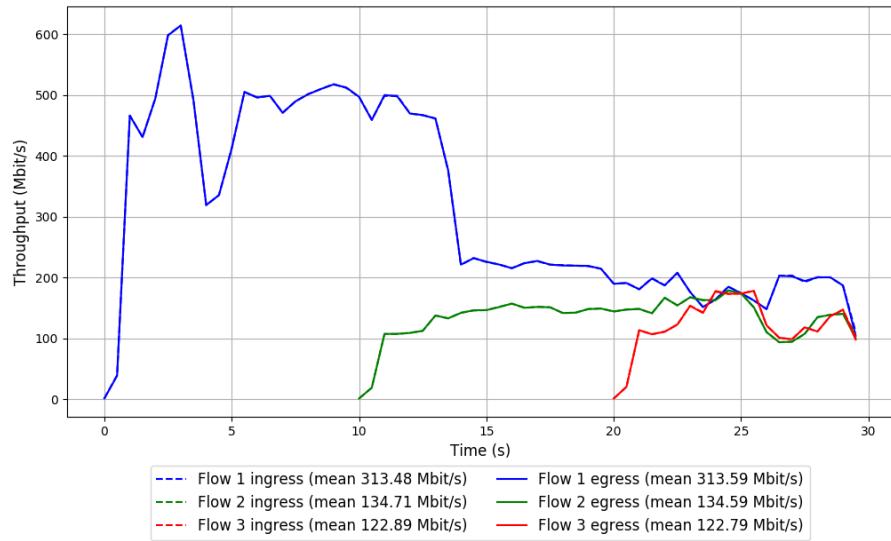


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-20 11:59:44
End at: 2018-02-20 12:00:14
Local clock offset: -0.481 ms
Remote clock offset: -4.138 ms

# Below is generated by plot.py at 2018-02-20 22:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.27 Mbit/s
95th percentile per-packet one-way delay: 1.640 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 313.59 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 134.59 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 122.79 Mbit/s
95th percentile per-packet one-way delay: 1.587 ms
Loss rate: 0.22%
```

Run 5: Report of Vivace-LTE — Data Link

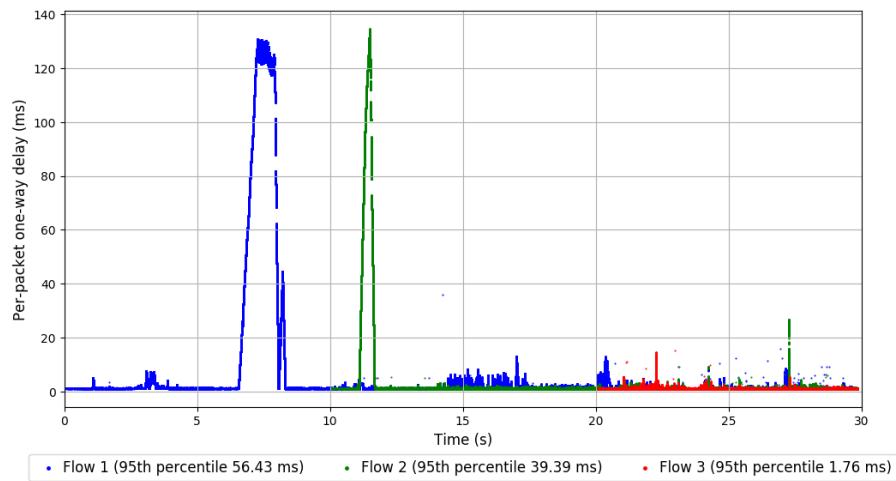
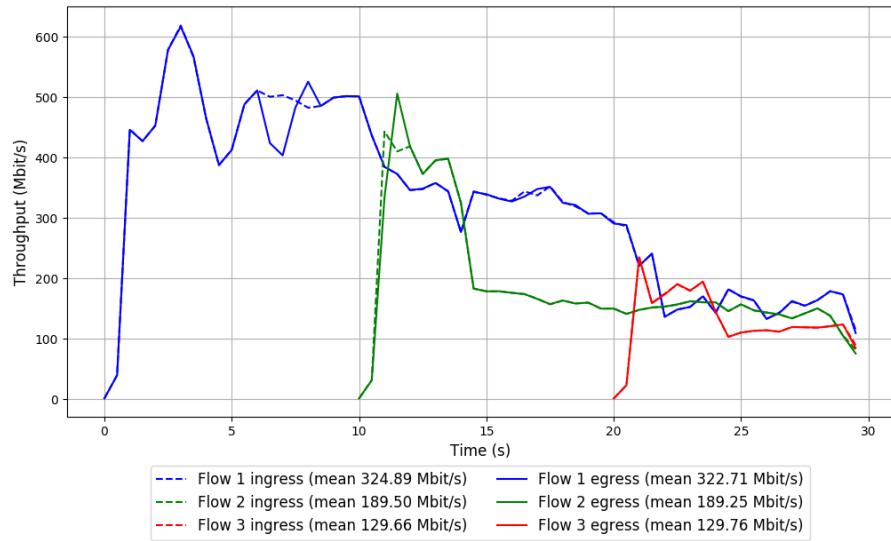


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-20 12:28:53
End at: 2018-02-20 12:29:23
Local clock offset: 1.058 ms
Remote clock offset: -5.039 ms

# Below is generated by plot.py at 2018-02-20 22:06:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.05 Mbit/s
95th percentile per-packet one-way delay: 40.414 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 322.71 Mbit/s
95th percentile per-packet one-way delay: 56.434 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 189.25 Mbit/s
95th percentile per-packet one-way delay: 39.392 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 129.76 Mbit/s
95th percentile per-packet one-way delay: 1.760 ms
Loss rate: 0.20%
```

Run 6: Report of Vivace-LTE — Data Link

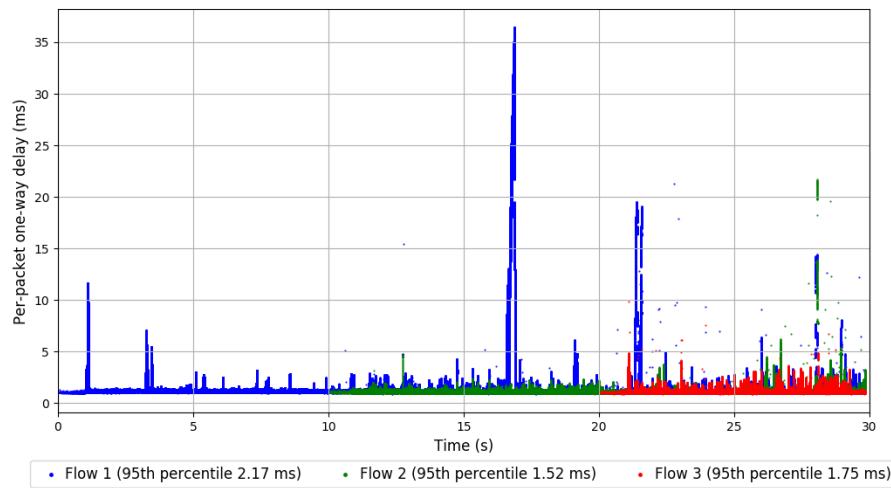
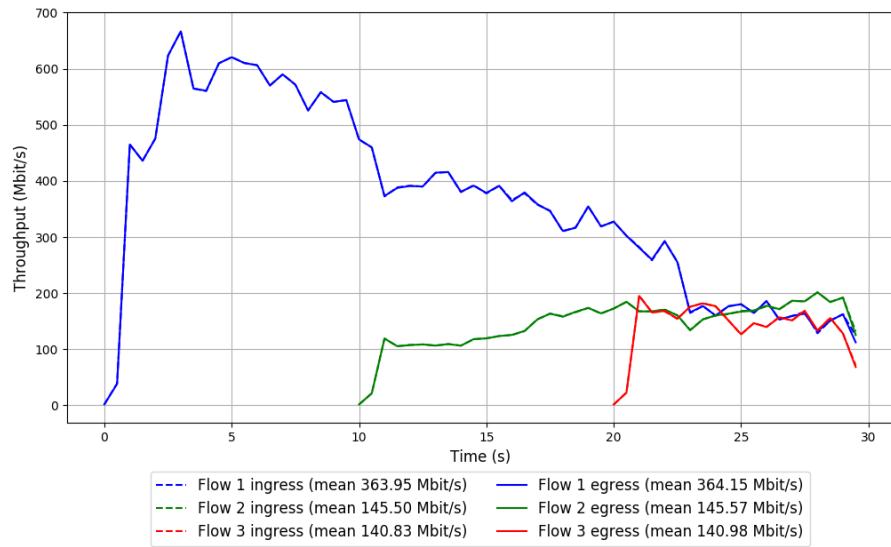


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-20 12:58:08
End at: 2018-02-20 12:58:38
Local clock offset: 1.341 ms
Remote clock offset: -6.204 ms

# Below is generated by plot.py at 2018-02-20 22:08:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.19 Mbit/s
95th percentile per-packet one-way delay: 1.918 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 364.15 Mbit/s
95th percentile per-packet one-way delay: 2.168 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 145.57 Mbit/s
95th percentile per-packet one-way delay: 1.517 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 140.98 Mbit/s
95th percentile per-packet one-way delay: 1.746 ms
Loss rate: 0.12%
```

Run 7: Report of Vivace-LTE — Data Link

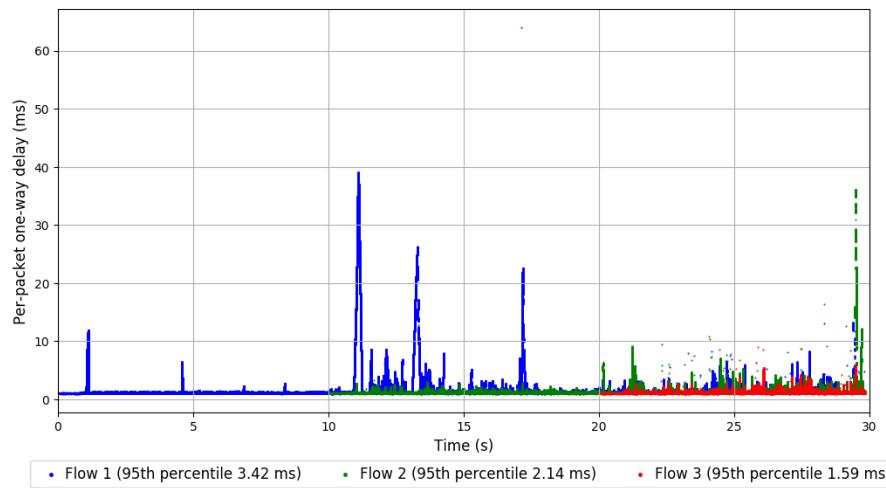
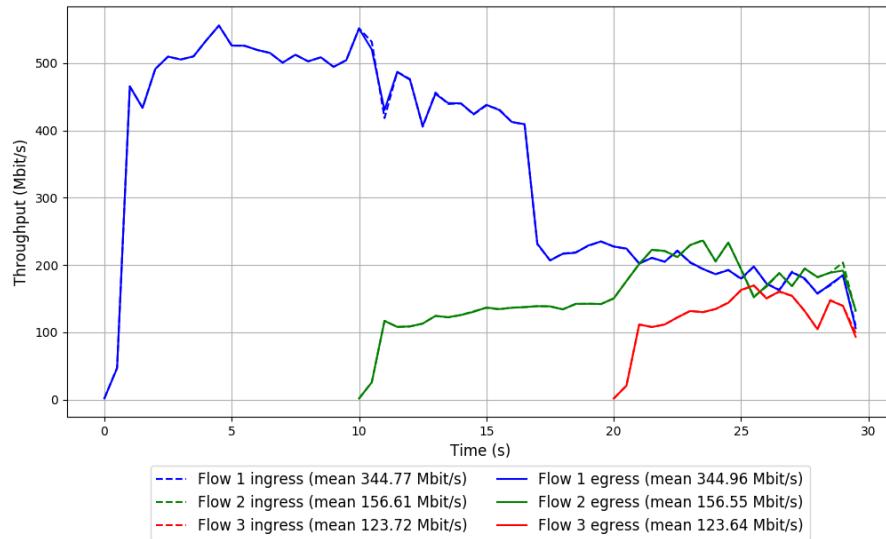


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-20 13:27:18
End at: 2018-02-20 13:27:48
Local clock offset: 1.193 ms
Remote clock offset: -7.199 ms

# Below is generated by plot.py at 2018-02-20 22:08:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.60 Mbit/s
95th percentile per-packet one-way delay: 2.760 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 344.96 Mbit/s
95th percentile per-packet one-way delay: 3.424 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 156.55 Mbit/s
95th percentile per-packet one-way delay: 2.136 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 123.64 Mbit/s
95th percentile per-packet one-way delay: 1.588 ms
Loss rate: 0.26%
```

Run 8: Report of Vivace-LTE — Data Link

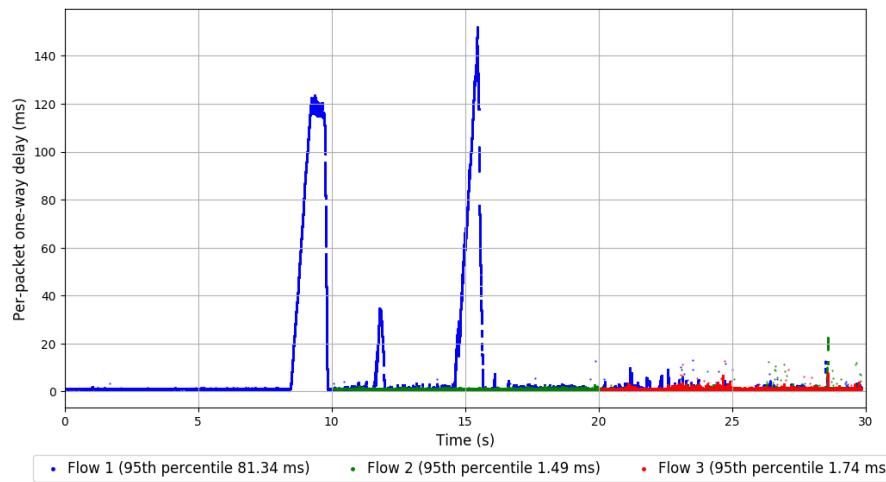
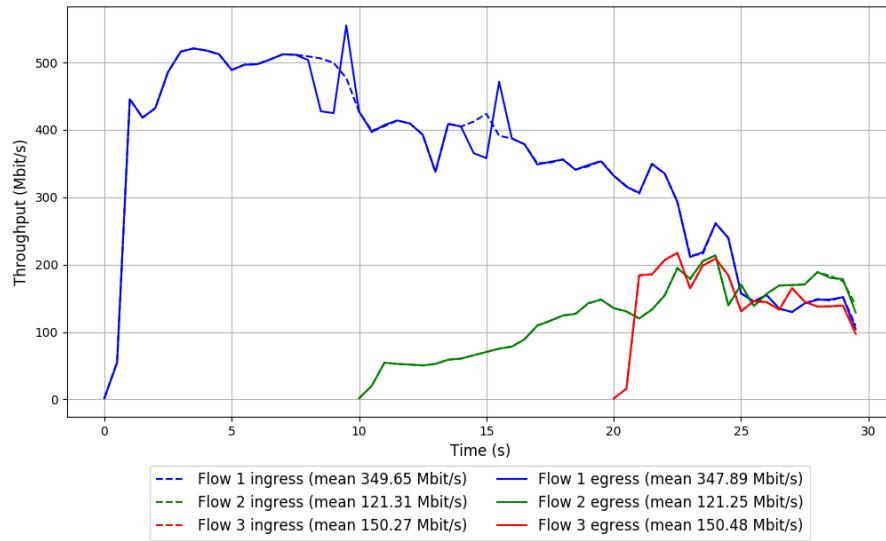


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-20 13:56:43
End at: 2018-02-20 13:57:13
Local clock offset: 1.21 ms
Remote clock offset: -6.758 ms

# Below is generated by plot.py at 2018-02-20 22:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 477.78 Mbit/s
95th percentile per-packet one-way delay: 51.400 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 347.89 Mbit/s
95th percentile per-packet one-way delay: 81.340 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 121.25 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 150.48 Mbit/s
95th percentile per-packet one-way delay: 1.739 ms
Loss rate: 0.15%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-20 14:25:57
End at: 2018-02-20 14:26:27
Local clock offset: 2.33 ms
Remote clock offset: -6.465 ms

# Below is generated by plot.py at 2018-02-20 22:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.00 Mbit/s
95th percentile per-packet one-way delay: 1.917 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 291.26 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 180.02 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 150.25 Mbit/s
95th percentile per-packet one-way delay: 1.364 ms
Loss rate: 0.21%
```

Run 10: Report of Vivace-LTE — Data Link

