

Pantheon Report

Generated at 2017-09-22 05:29:27 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

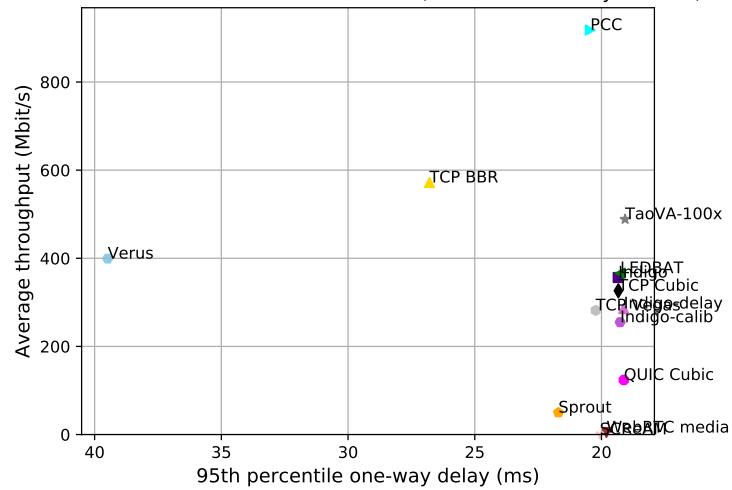
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

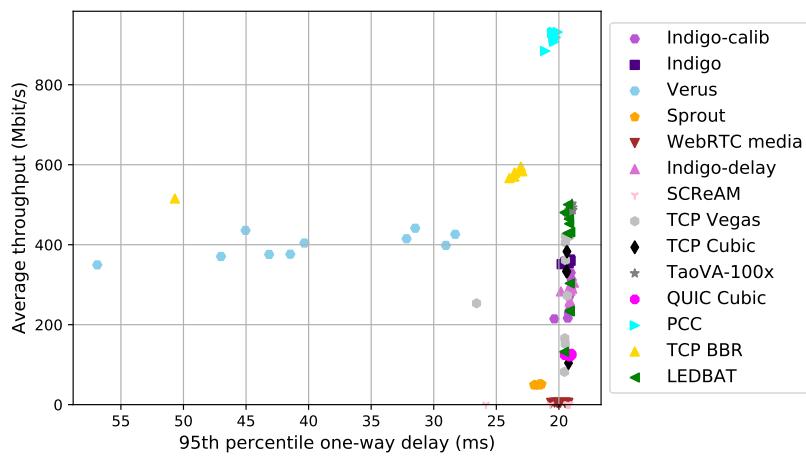
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efef6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS California 1 Ethernet to Stanford 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	8	315.91	271.06	234.52	27.20	25.37	25.09	15.38	18.64	22.00
TCP Cubic	5	174.84	144.15	167.07	19.41	19.24	18.78	0.10	0.09	0.11
LEDBAT	10	208.58	169.28	135.66	19.07	18.91	19.40	0.03	0.03	0.04
PCC	10	792.78	151.30	74.85	20.43	20.39	20.40	0.56	0.43	0.58
QUIC Cubic	10	66.62	60.01	52.94	18.89	18.83	20.33	0.01	0.01	0.01
SCReAM	10	0.21	0.22	0.22	19.85	19.93	19.63	0.03	0.00	0.03
WebRTC media	10	2.43	1.56	0.58	19.63	19.63	20.77	0.02	0.03	0.06
Sprout	7	24.69	24.63	24.38	21.91	21.19	21.18	0.09	0.09	0.13
TaoVA-100x	10	258.38	249.84	246.78	19.00	18.91	18.90	0.02	0.03	0.03
TCP Vegas	9	147.16	137.53	129.49	20.13	19.72	19.90	0.06	0.06	0.07
Verus	10	206.53	211.25	163.68	47.39	29.83	25.77	19.43	18.01	15.87
Indigo	10	187.57	175.25	163.01	19.05	19.20	19.35	0.03	0.03	0.05
Indigo-calib	10	131.38	129.26	117.81	19.08	19.27	19.24	0.02	0.03	0.03
Indigo-delay	10	149.06	143.32	130.28	18.91	19.12	19.21	0.02	0.02	0.03

Run 1: Statistics of TCP BBR

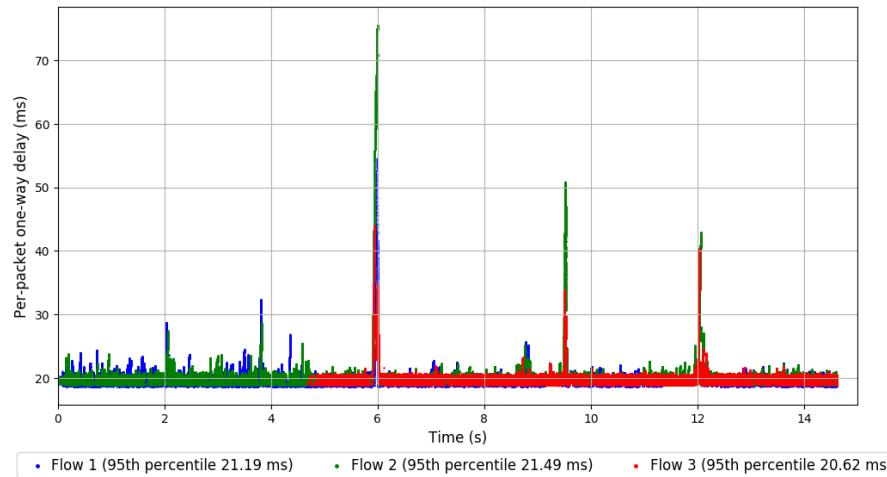
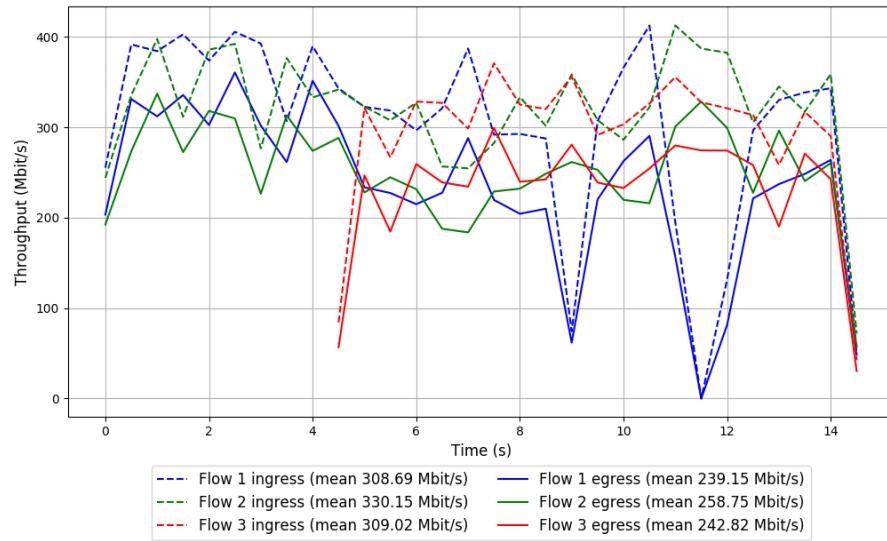
Start at: 2017-09-21 22:53:27

End at: 2017-09-21 22:53:57

Local clock offset: 0.294 ms

Remote clock offset: -1.13 ms

Run 1: Report of TCP BBR — Data Link

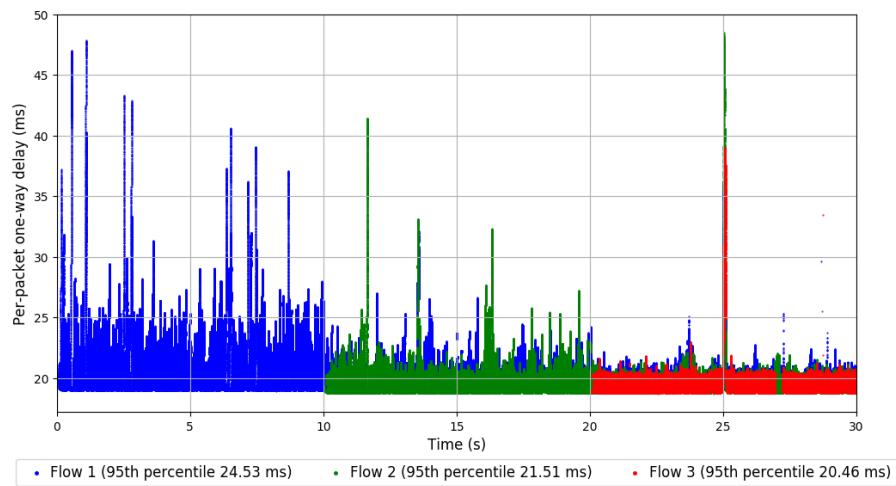
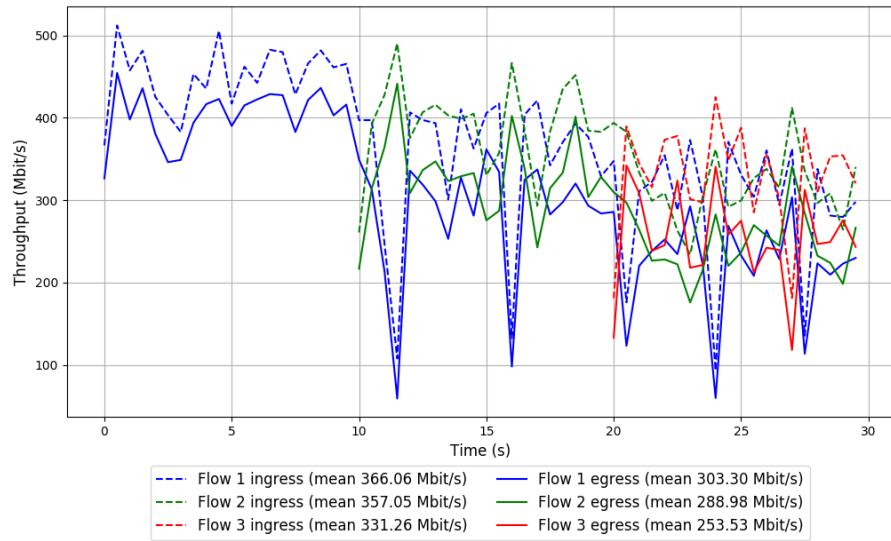


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-21 23:12:54
End at: 2017-09-21 23:13:24
Local clock offset: 0.136 ms
Remote clock offset: -1.611 ms

# Below is generated by plot.py at 2017-09-22 04:14:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 579.87 Mbit/s
95th percentile per-packet one-way delay: 23.506 ms
Loss rate: 18.76%
-- Flow 1:
Average throughput: 303.30 Mbit/s
95th percentile per-packet one-way delay: 24.527 ms
Loss rate: 17.15%
-- Flow 2:
Average throughput: 288.98 Mbit/s
95th percentile per-packet one-way delay: 21.506 ms
Loss rate: 19.07%
-- Flow 3:
Average throughput: 253.53 Mbit/s
95th percentile per-packet one-way delay: 20.464 ms
Loss rate: 23.49%
```

Run 2: Report of TCP BBR — Data Link

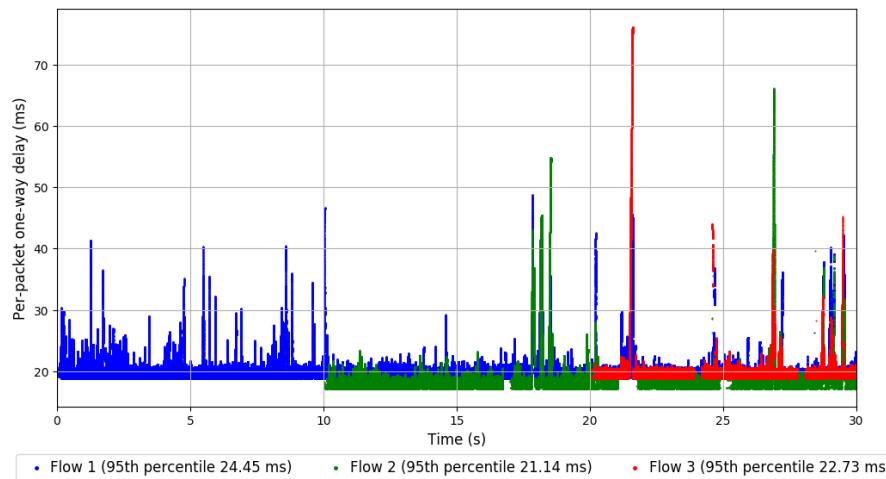
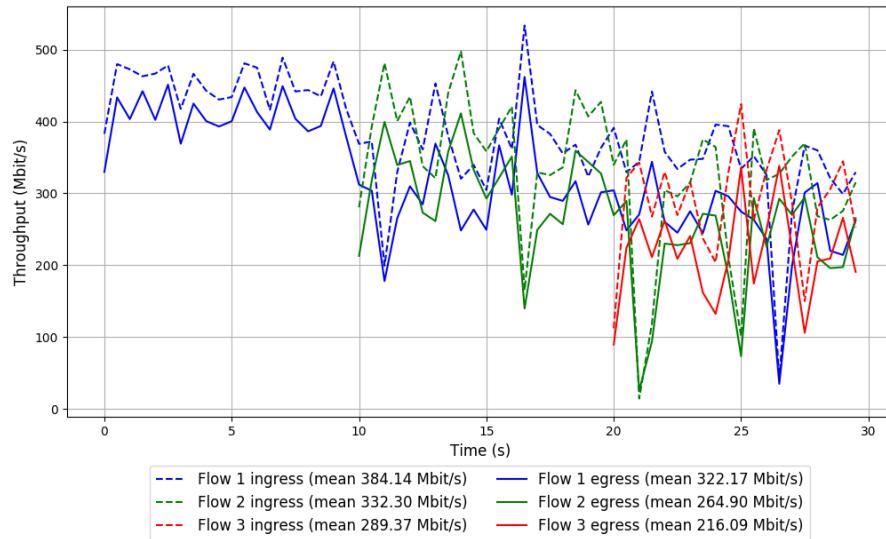


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-21 23:32:35
End at: 2017-09-21 23:33:05
Local clock offset: 0.197 ms
Remote clock offset: -1.947 ms

# Below is generated by plot.py at 2017-09-22 04:14:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 570.20 Mbit/s
95th percentile per-packet one-way delay: 23.549 ms
Loss rate: 18.70%
-- Flow 1:
Average throughput: 322.17 Mbit/s
95th percentile per-packet one-way delay: 24.445 ms
Loss rate: 16.12%
-- Flow 2:
Average throughput: 264.90 Mbit/s
95th percentile per-packet one-way delay: 21.136 ms
Loss rate: 20.29%
-- Flow 3:
Average throughput: 216.09 Mbit/s
95th percentile per-packet one-way delay: 22.730 ms
Loss rate: 25.32%
```

Run 3: Report of TCP BBR — Data Link

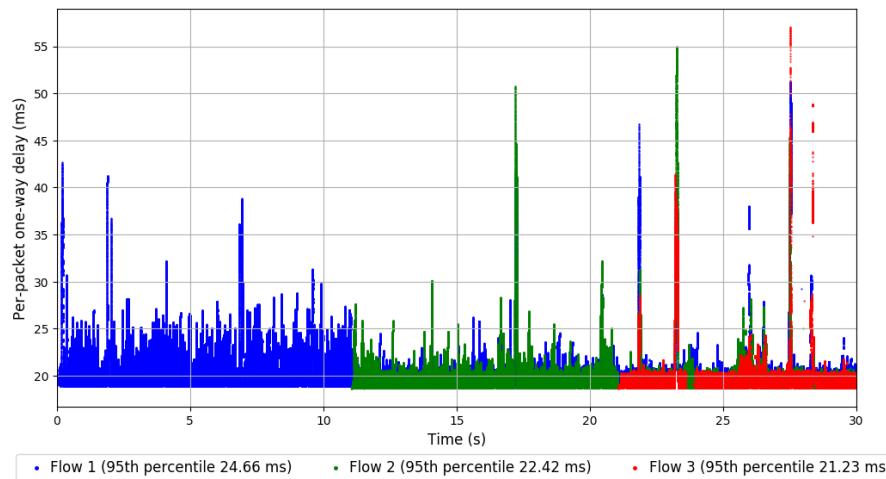
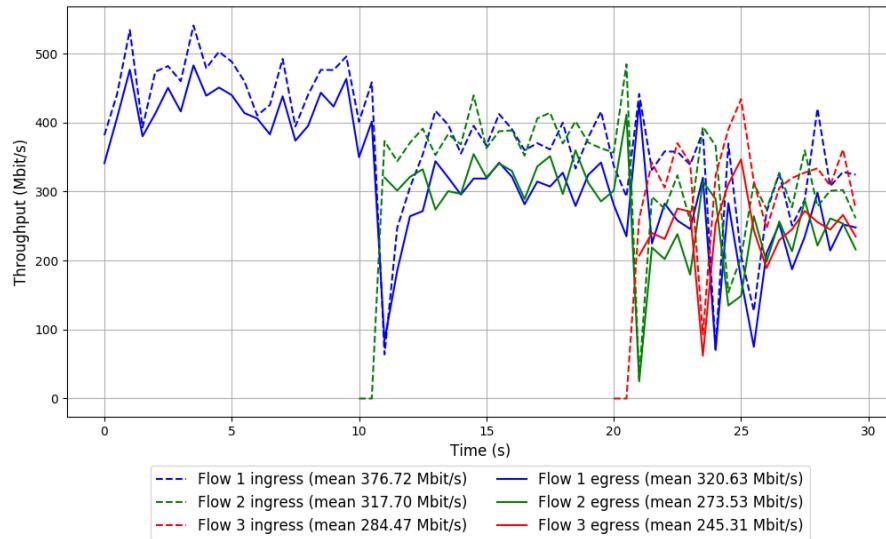


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-21 23:52:33
End at: 2017-09-21 23:53:03
Local clock offset: 0.161 ms
Remote clock offset: -1.94 ms

# Below is generated by plot.py at 2017-09-22 04:14:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.60 Mbit/s
95th percentile per-packet one-way delay: 23.956 ms
Loss rate: 16.99%
-- Flow 1:
Average throughput: 320.63 Mbit/s
95th percentile per-packet one-way delay: 24.662 ms
Loss rate: 14.89%
-- Flow 2:
Average throughput: 273.53 Mbit/s
95th percentile per-packet one-way delay: 22.421 ms
Loss rate: 18.25%
-- Flow 3:
Average throughput: 245.31 Mbit/s
95th percentile per-packet one-way delay: 21.227 ms
Loss rate: 22.55%
```

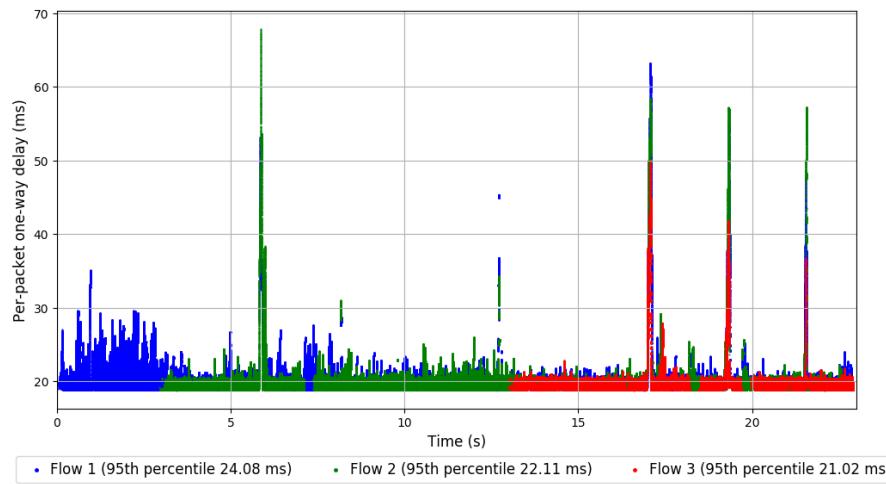
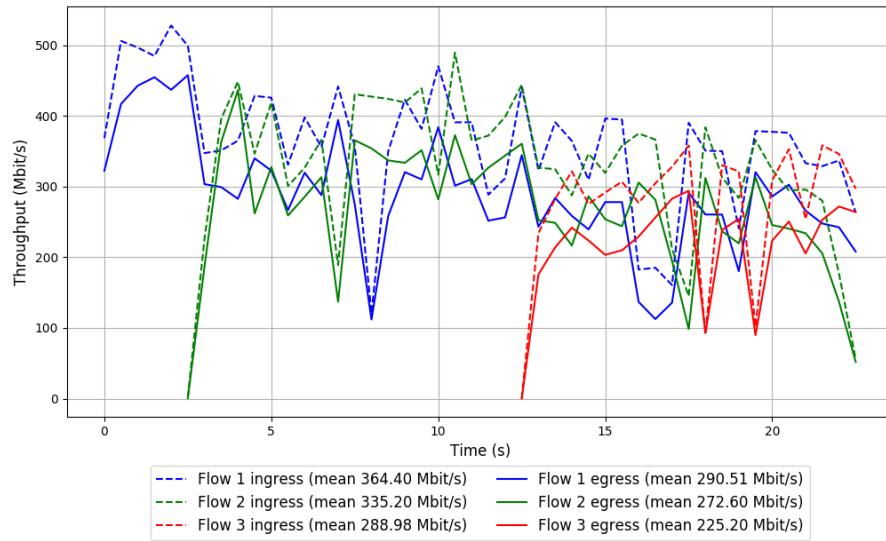
Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-22 00:12:43
End at: 2017-09-22 00:13:13
Local clock offset: 0.433 ms
Remote clock offset: -1.871 ms

Run 5: Report of TCP BBR — Data Link

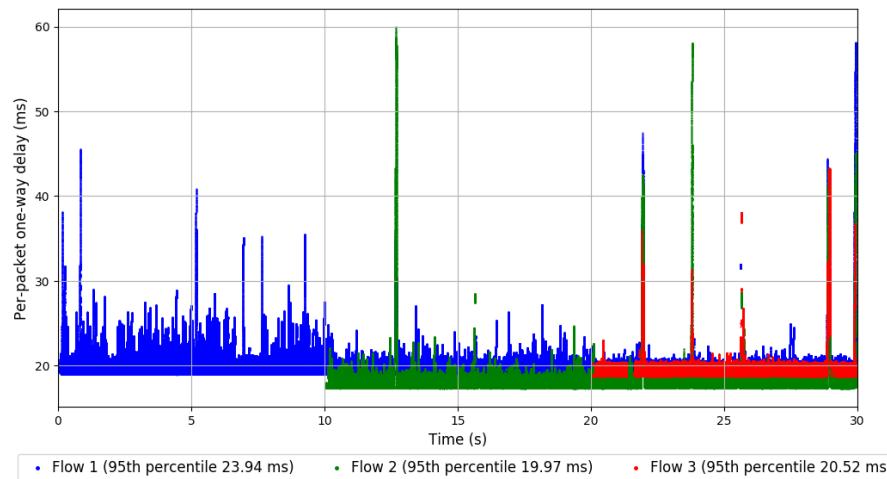
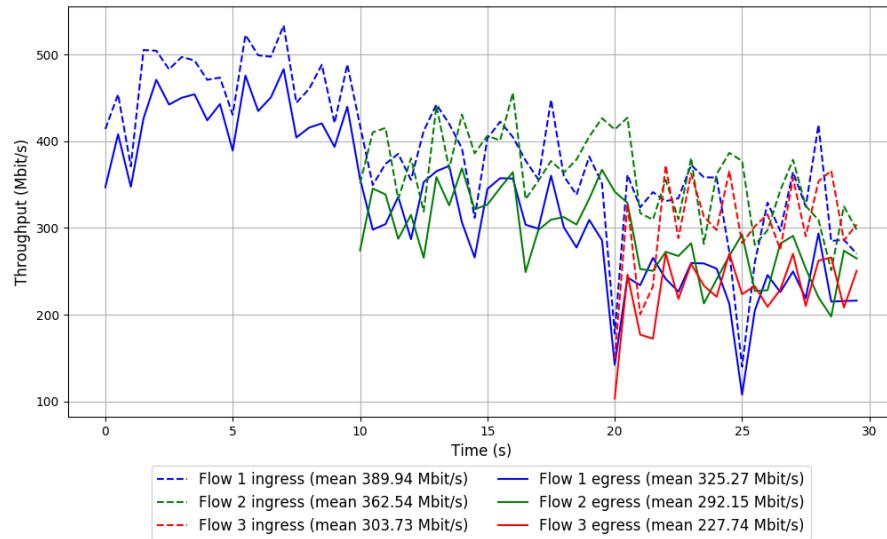


Run 6: Statistics of TCP BBR

```
Start at: 2017-09-22 00:33:04
End at: 2017-09-22 00:33:34
Local clock offset: 0.234 ms
Remote clock offset: -1.743 ms

# Below is generated by plot.py at 2017-09-22 04:14:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.44 Mbit/s
95th percentile per-packet one-way delay: 23.039 ms
Loss rate: 18.67%
-- Flow 1:
Average throughput: 325.27 Mbit/s
95th percentile per-packet one-way delay: 23.942 ms
Loss rate: 16.58%
-- Flow 2:
Average throughput: 292.15 Mbit/s
95th percentile per-packet one-way delay: 19.967 ms
Loss rate: 19.41%
-- Flow 3:
Average throughput: 227.74 Mbit/s
95th percentile per-packet one-way delay: 20.516 ms
Loss rate: 25.00%
```

Run 6: Report of TCP BBR — Data Link

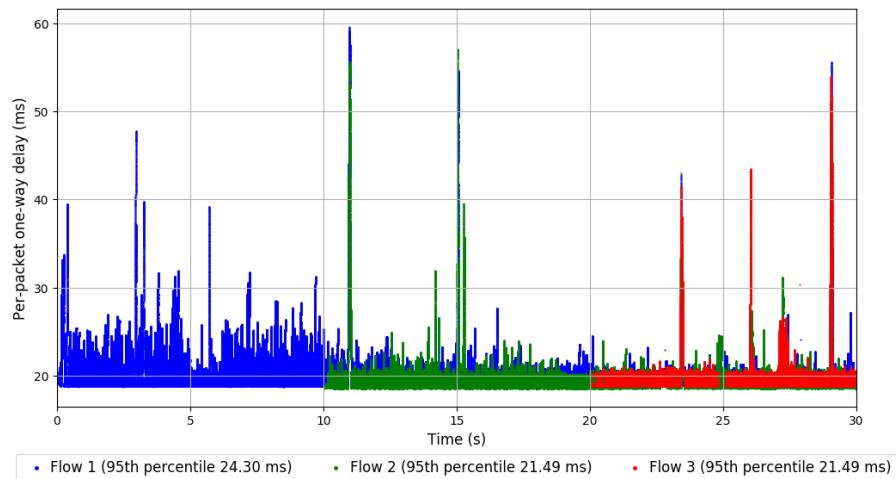
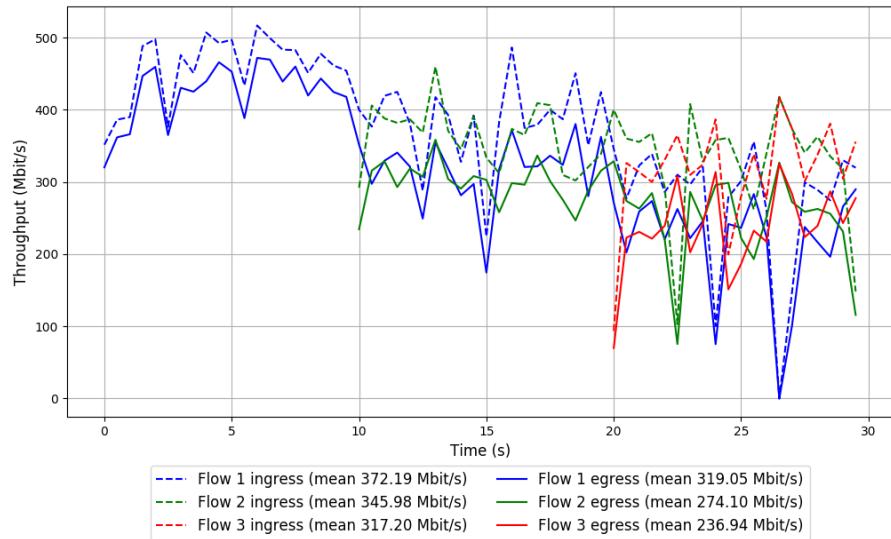


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-22 00:53:22
End at: 2017-09-22 00:53:52
Local clock offset: 0.028 ms
Remote clock offset: -1.851 ms

# Below is generated by plot.py at 2017-09-22 04:14:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 580.31 Mbit/s
95th percentile per-packet one-way delay: 23.542 ms
Loss rate: 18.03%
-- Flow 1:
Average throughput: 319.05 Mbit/s
95th percentile per-packet one-way delay: 24.305 ms
Loss rate: 14.28%
-- Flow 2:
Average throughput: 274.10 Mbit/s
95th percentile per-packet one-way delay: 21.494 ms
Loss rate: 20.77%
-- Flow 3:
Average throughput: 236.94 Mbit/s
95th percentile per-packet one-way delay: 21.487 ms
Loss rate: 25.30%
```

Run 7: Report of TCP BBR — Data Link

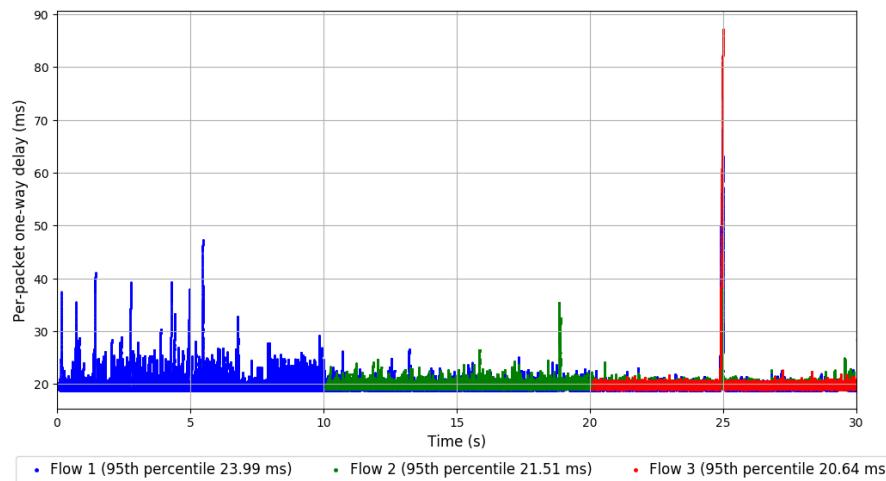
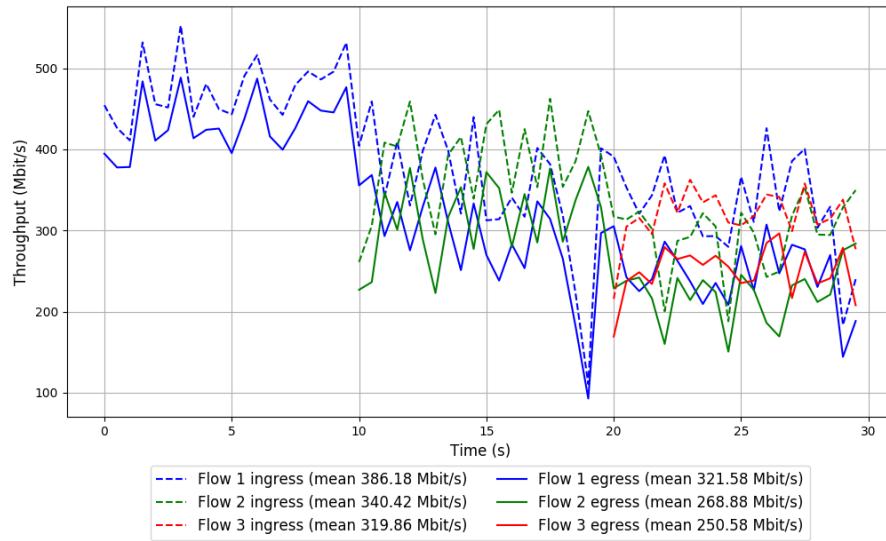


Run 8: Statistics of TCP BBR

```
Start at: 2017-09-22 01:13:39
End at: 2017-09-22 01:14:09
Local clock offset: -0.351 ms
Remote clock offset: -1.8 ms

# Below is generated by plot.py at 2017-09-22 04:14:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 583.75 Mbit/s
95th percentile per-packet one-way delay: 22.924 ms
Loss rate: 18.80%
-- Flow 1:
Average throughput: 321.58 Mbit/s
95th percentile per-packet one-way delay: 23.986 ms
Loss rate: 16.73%
-- Flow 2:
Average throughput: 268.88 Mbit/s
95th percentile per-packet one-way delay: 21.507 ms
Loss rate: 21.01%
-- Flow 3:
Average throughput: 250.58 Mbit/s
95th percentile per-packet one-way delay: 20.639 ms
Loss rate: 21.59%
```

Run 8: Report of TCP BBR — Data Link

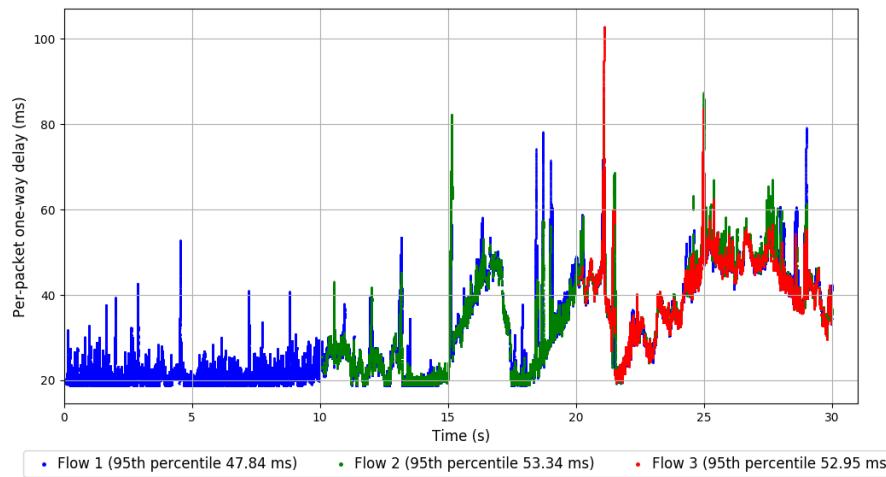
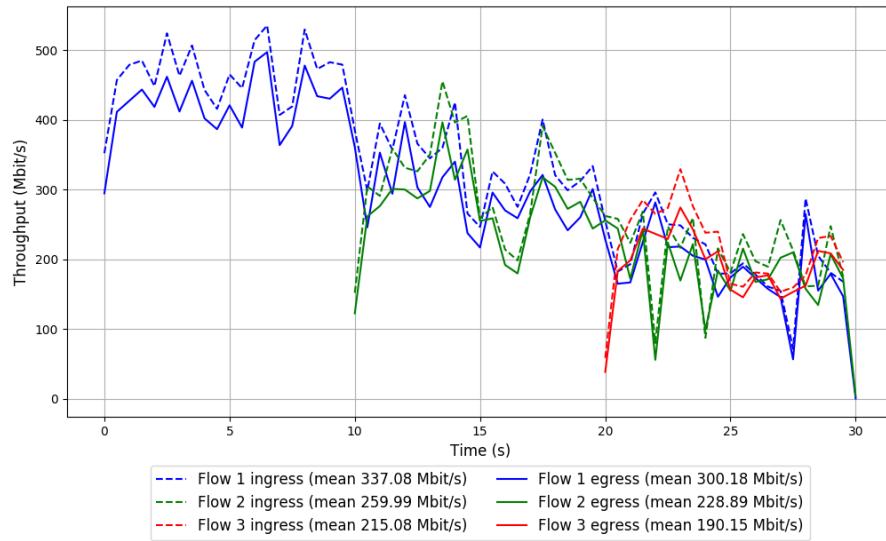


Run 9: Statistics of TCP BBR

```
Start at: 2017-09-22 01:33:49
End at: 2017-09-22 01:34:19
Local clock offset: -0.332 ms
Remote clock offset: -1.851 ms

# Below is generated by plot.py at 2017-09-22 04:17:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 515.55 Mbit/s
95th percentile per-packet one-way delay: 50.687 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 300.18 Mbit/s
95th percentile per-packet one-way delay: 47.842 ms
Loss rate: 10.91%
-- Flow 2:
Average throughput: 228.89 Mbit/s
95th percentile per-packet one-way delay: 53.337 ms
Loss rate: 11.92%
-- Flow 3:
Average throughput: 190.15 Mbit/s
95th percentile per-packet one-way delay: 52.949 ms
Loss rate: 11.64%
```

Run 9: Report of TCP BBR — Data Link

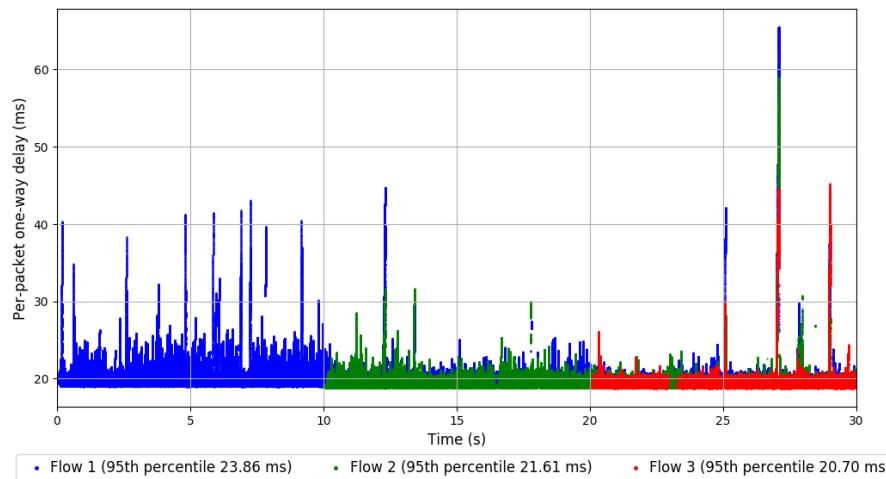
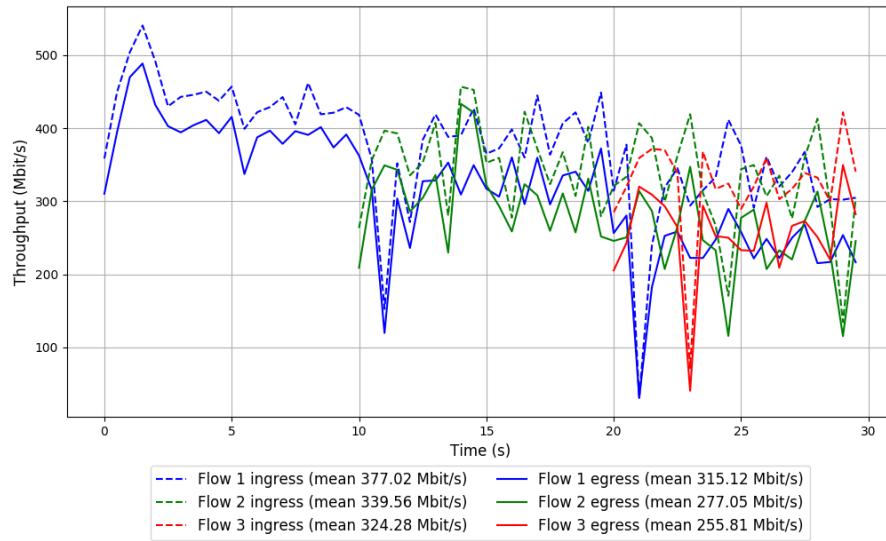


Run 10: Statistics of TCP BBR

```
Start at: 2017-09-22 01:54:07
End at: 2017-09-22 01:54:37
Local clock offset: -0.474 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 584.49 Mbit/s
95th percentile per-packet one-way delay: 23.104 ms
Loss rate: 17.77%
-- Flow 1:
Average throughput: 315.12 Mbit/s
95th percentile per-packet one-way delay: 23.860 ms
Loss rate: 16.42%
-- Flow 2:
Average throughput: 277.05 Mbit/s
95th percentile per-packet one-way delay: 21.610 ms
Loss rate: 18.42%
-- Flow 3:
Average throughput: 255.81 Mbit/s
95th percentile per-packet one-way delay: 20.705 ms
Loss rate: 21.11%
```

Run 10: Report of TCP BBR — Data Link

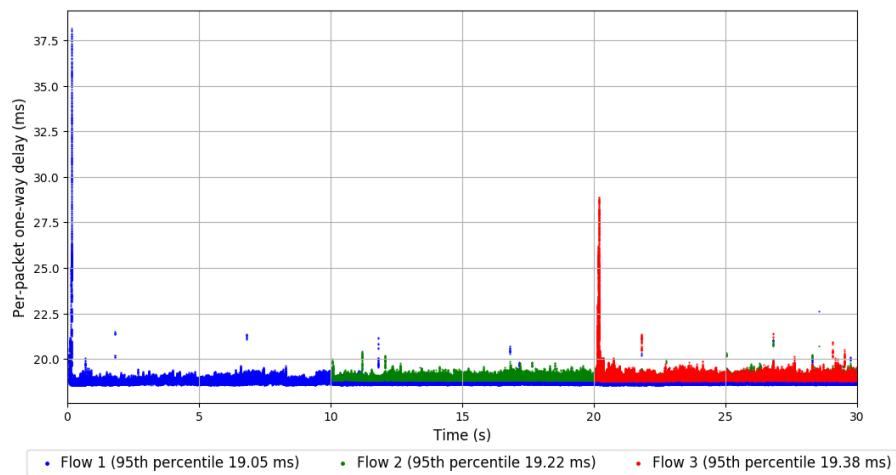
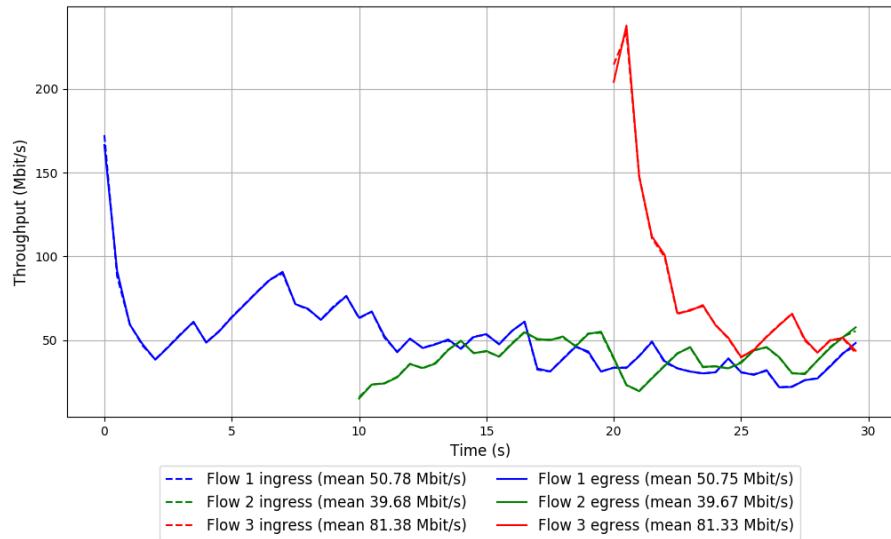


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-21 23:07:17
End at: 2017-09-21 23:07:47
Local clock offset: 0.246 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.15 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 19.053 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.09%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

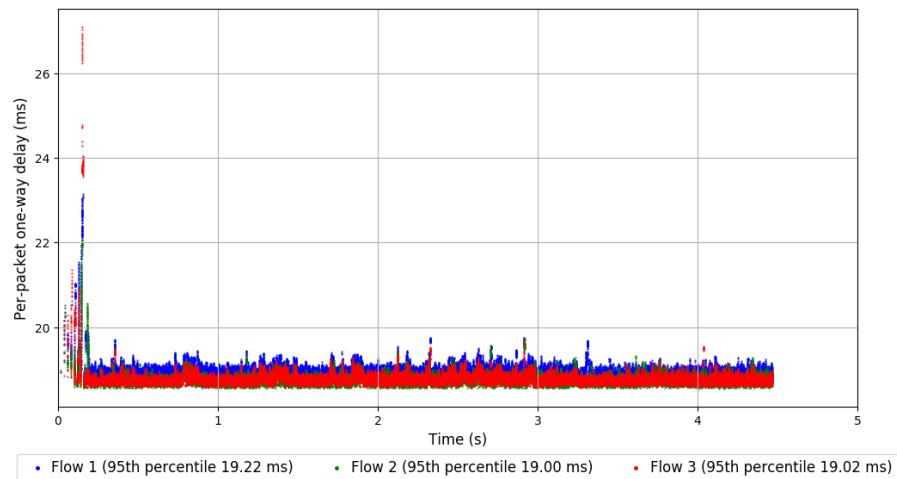
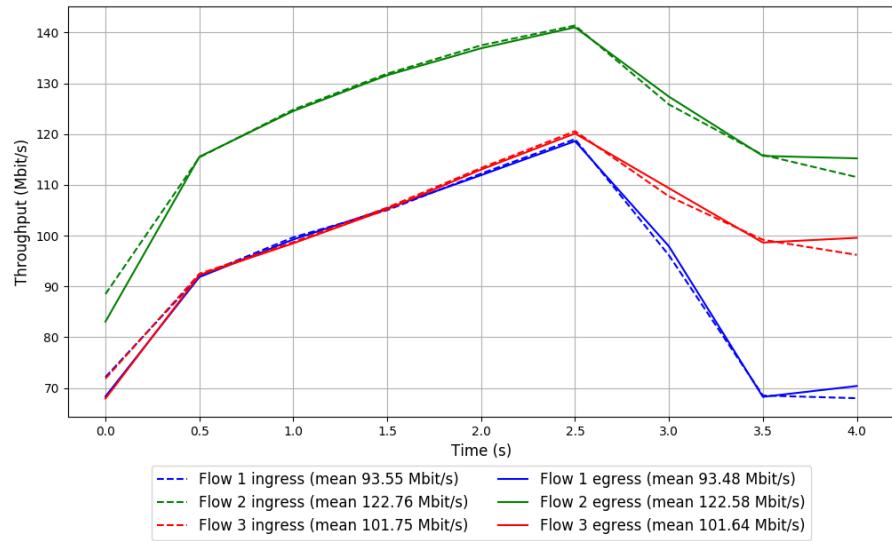
Start at: 2017-09-21 23:27:03

End at: 2017-09-21 23:27:33

Local clock offset: 0.197 ms

Remote clock offset: -2.02 ms

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

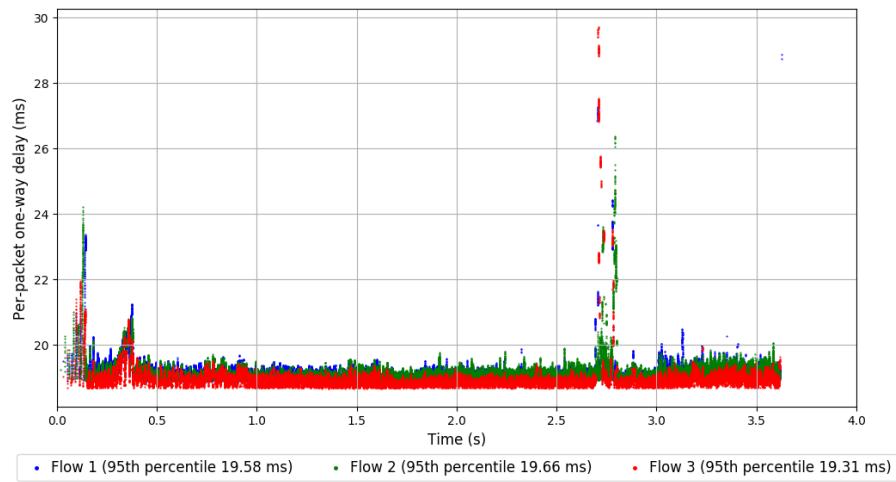
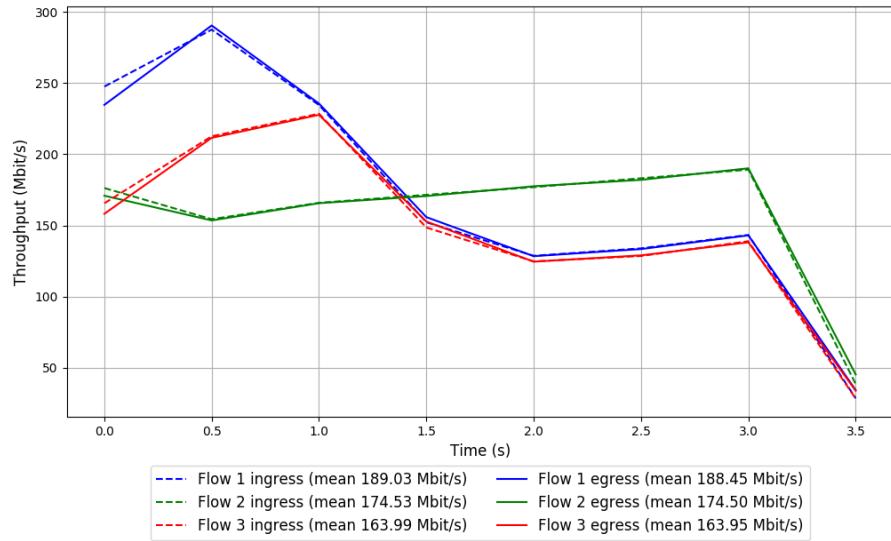
Start at: 2017-09-21 23:46:46

End at: 2017-09-21 23:47:16

Local clock offset: 0.15 ms

Remote clock offset: -1.966 ms

Run 3: Report of TCP Cubic — Data Link

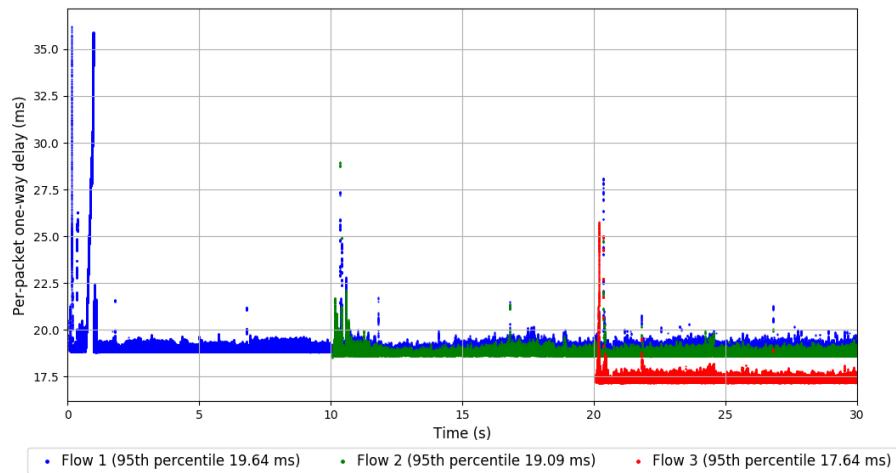
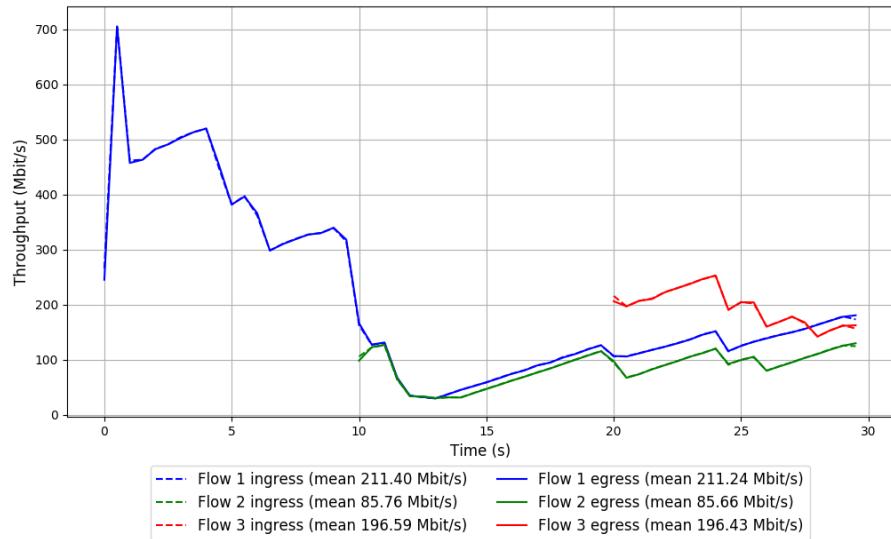


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-22 00:06:54
End at: 2017-09-22 00:07:24
Local clock offset: 0.387 ms
Remote clock offset: -1.916 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.46 Mbit/s
95th percentile per-packet one-way delay: 19.393 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 211.24 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 196.43 Mbit/s
95th percentile per-packet one-way delay: 17.641 ms
Loss rate: 0.08%
```

Run 4: Report of TCP Cubic — Data Link

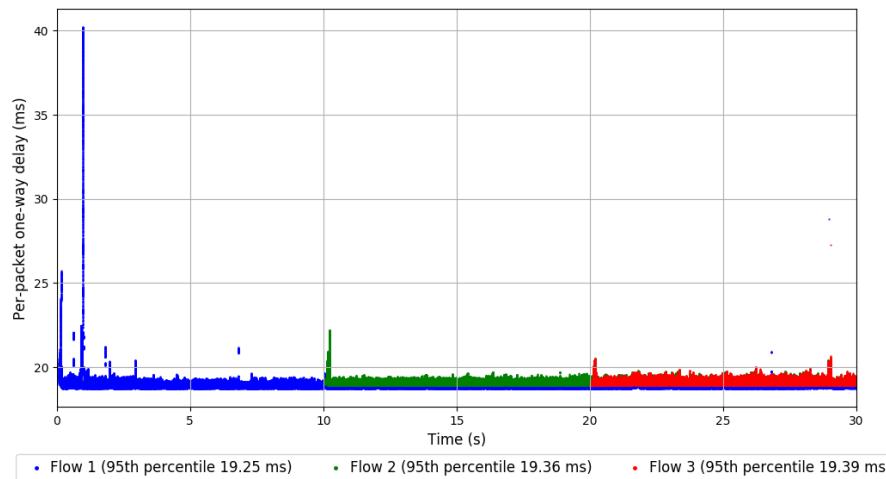
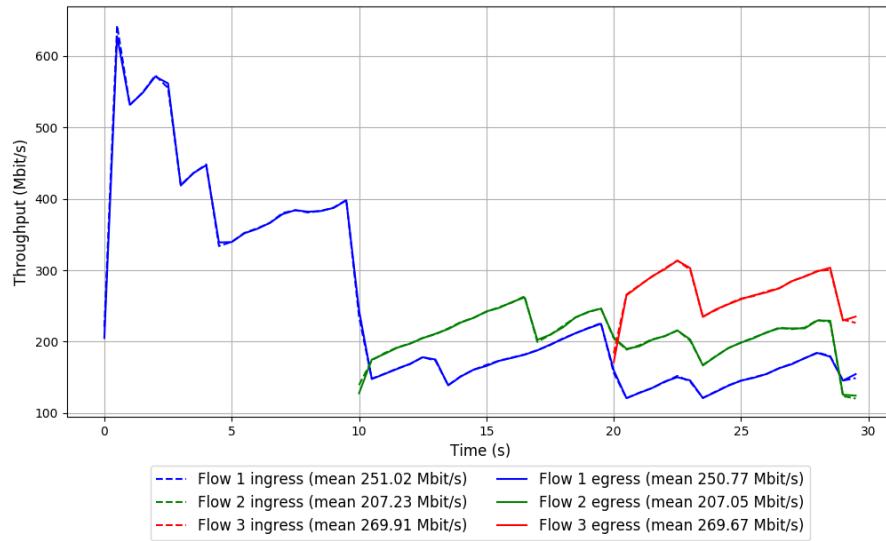


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-22 00:27:02
End at: 2017-09-22 00:27:32
Local clock offset: 0.321 ms
Remote clock offset: -1.791 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.19 Mbit/s
95th percentile per-packet one-way delay: 19.336 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 250.77 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 207.05 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 269.67 Mbit/s
95th percentile per-packet one-way delay: 19.393 ms
Loss rate: 0.08%
```

Run 5: Report of TCP Cubic — Data Link

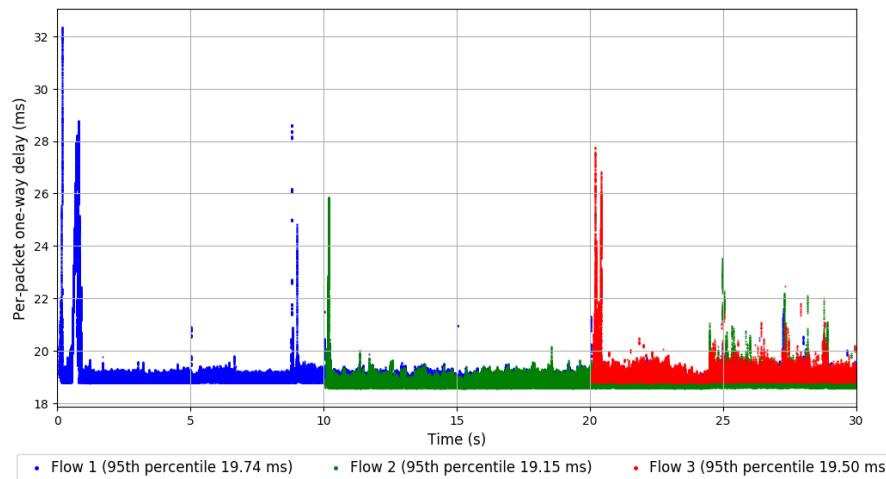
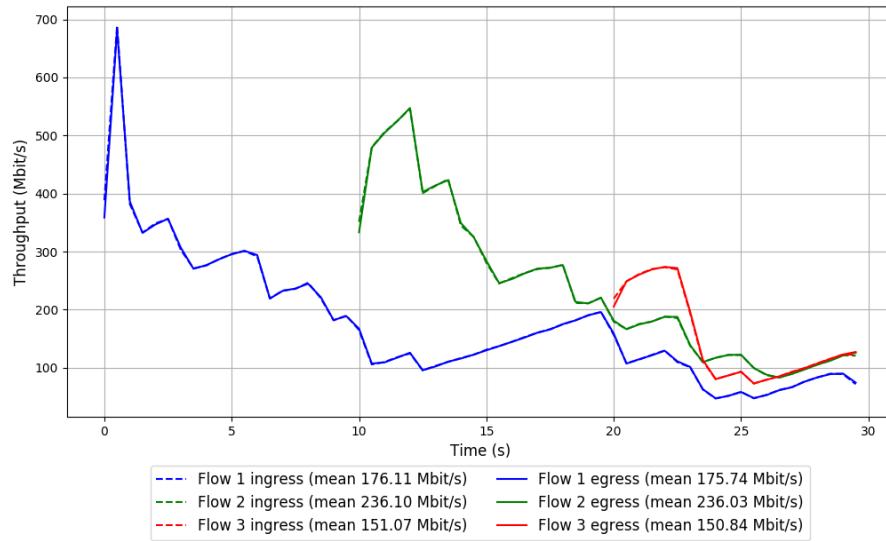


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-22 00:47:29
End at: 2017-09-22 00:47:59
Local clock offset: 0.097 ms
Remote clock offset: -1.822 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.01 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 175.74 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 236.03 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 150.84 Mbit/s
95th percentile per-packet one-way delay: 19.501 ms
Loss rate: 0.14%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

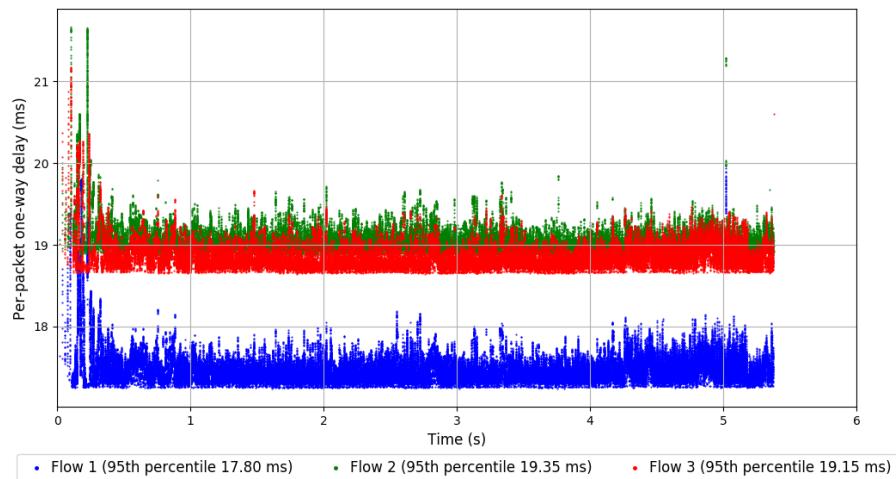
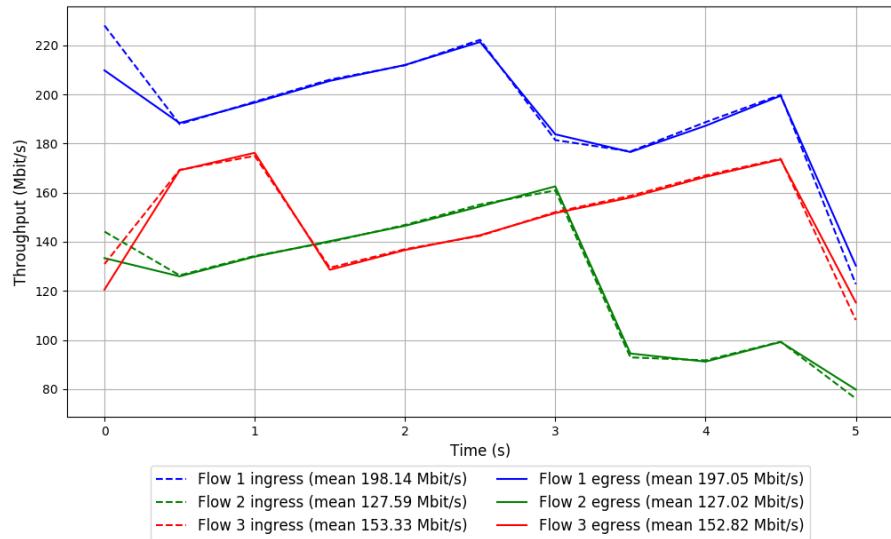
Start at: 2017-09-22 01:07:53

End at: 2017-09-22 01:08:23

Local clock offset: -0.288 ms

Remote clock offset: -1.887 ms

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

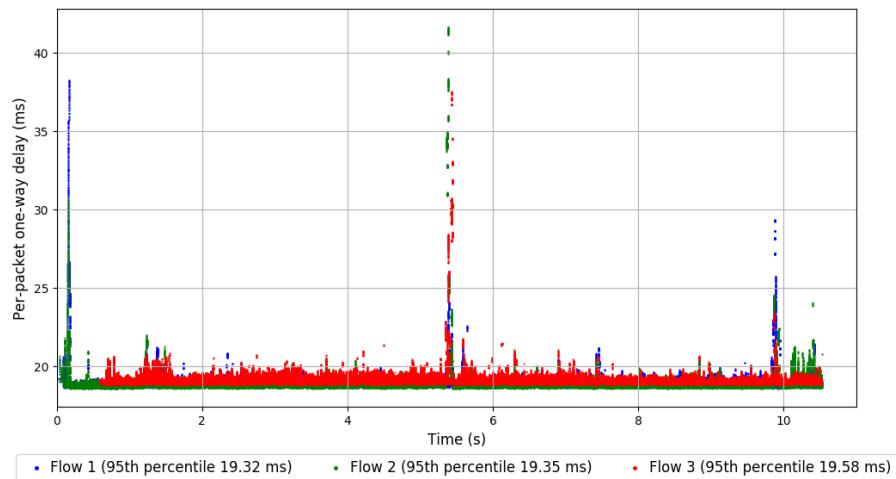
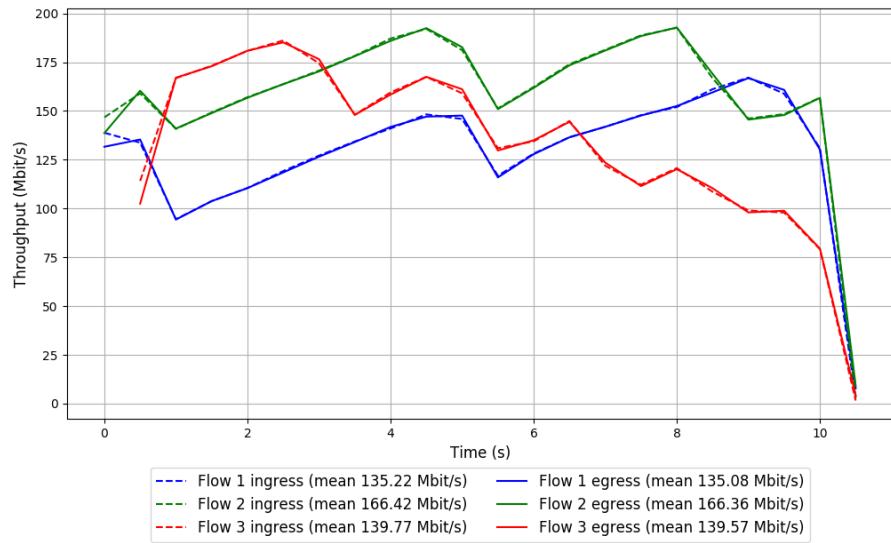
Start at: 2017-09-22 01:28:05

End at: 2017-09-22 01:28:35

Local clock offset: -0.343 ms

Remote clock offset: -1.945 ms

Run 8: Report of TCP Cubic — Data Link

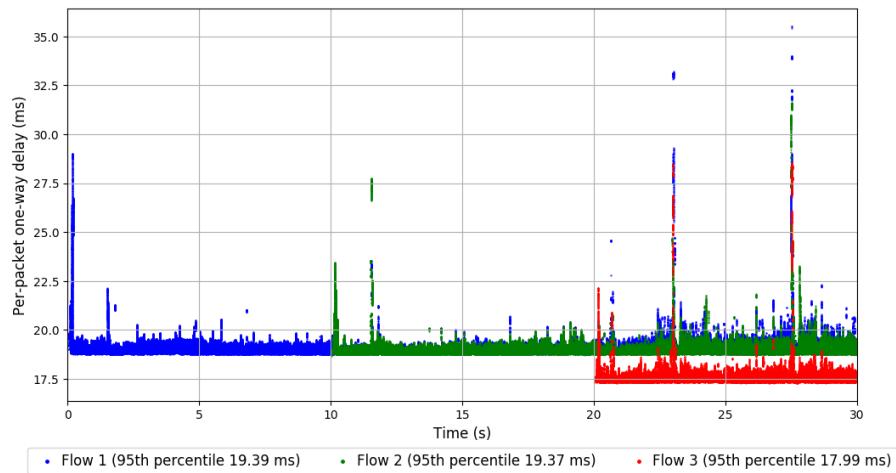
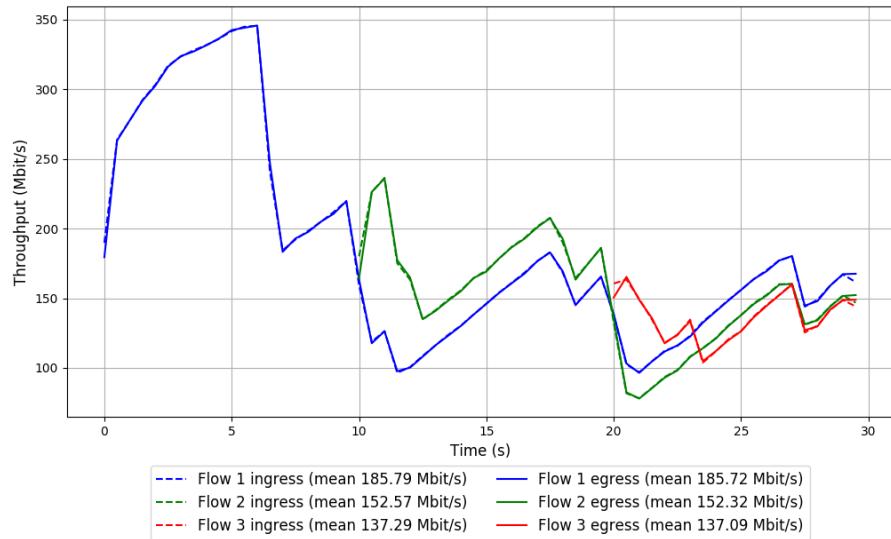


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-22 01:48:08
End at: 2017-09-22 01:48:38
Local clock offset: -0.447 ms
Remote clock offset: -1.853 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 332.67 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 152.32 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 137.09 Mbit/s
95th percentile per-packet one-way delay: 17.991 ms
Loss rate: 0.14%
```

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

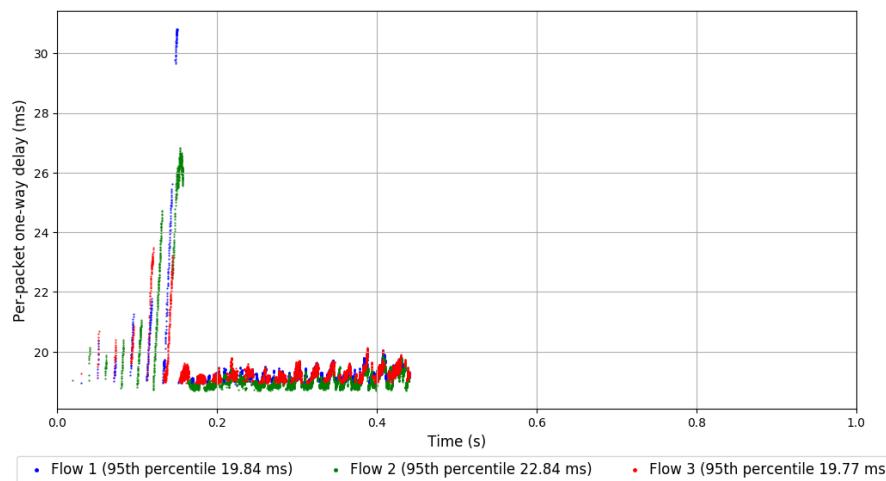
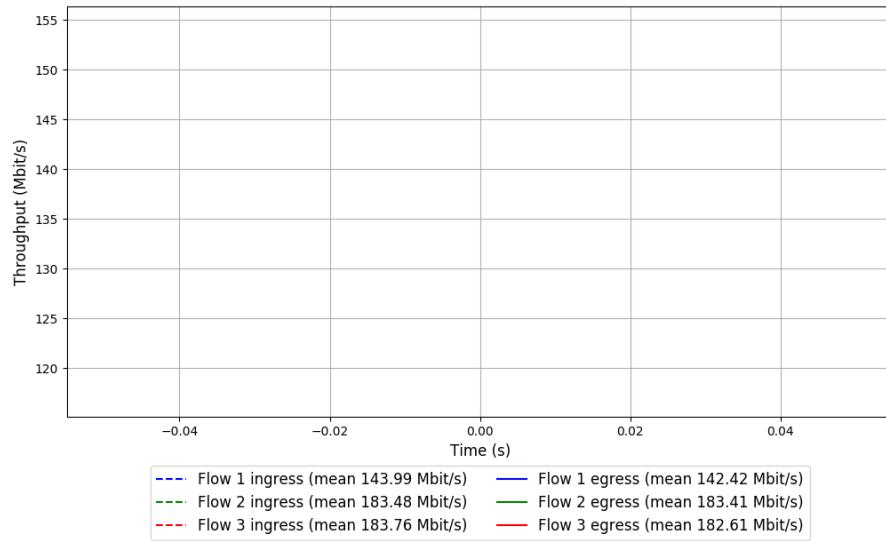
Start at: 2017-09-22 02:08:34

End at: 2017-09-22 02:09:04

Local clock offset: -0.424 ms

Remote clock offset: -1.745 ms

Run 10: Report of TCP Cubic — Data Link

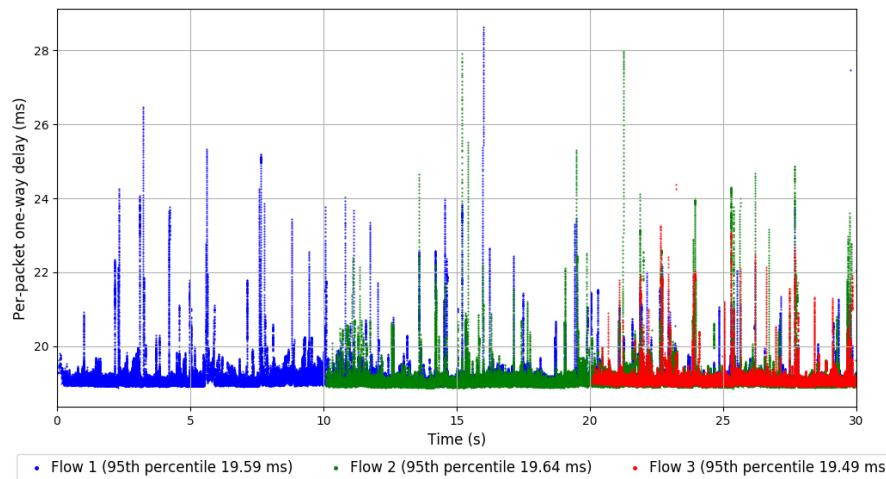
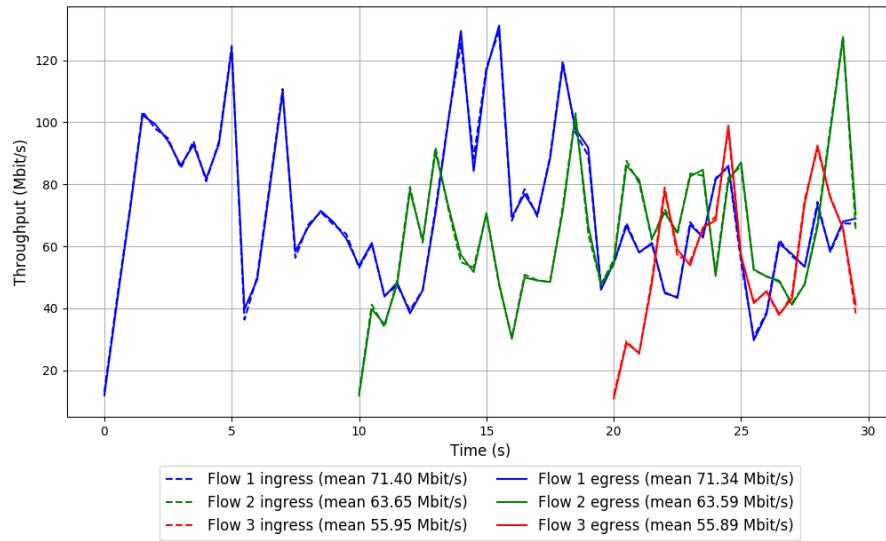


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-09-21 22:57:24
End at: 2017-09-21 22:57:54
Local clock offset: 0.175 ms
Remote clock offset: -1.244 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.24 Mbit/s
95th percentile per-packet one-way delay: 19.592 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 71.34 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 19.640 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.09%
```

Run 1: Report of LEDBAT — Data Link

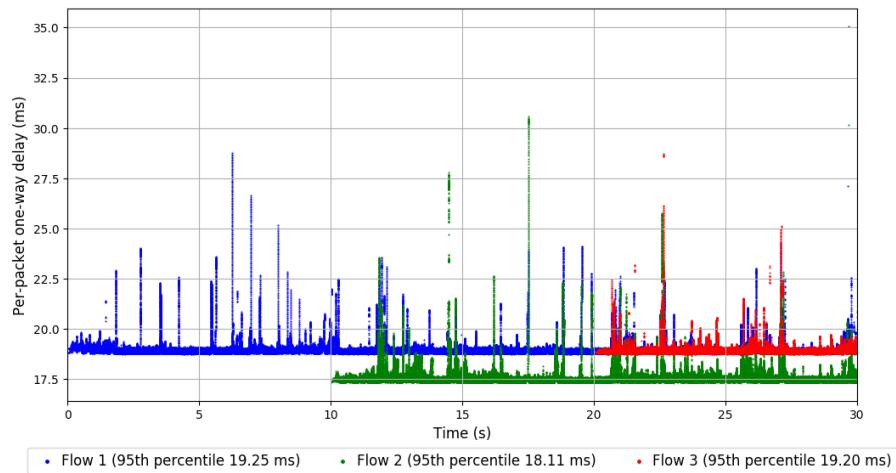
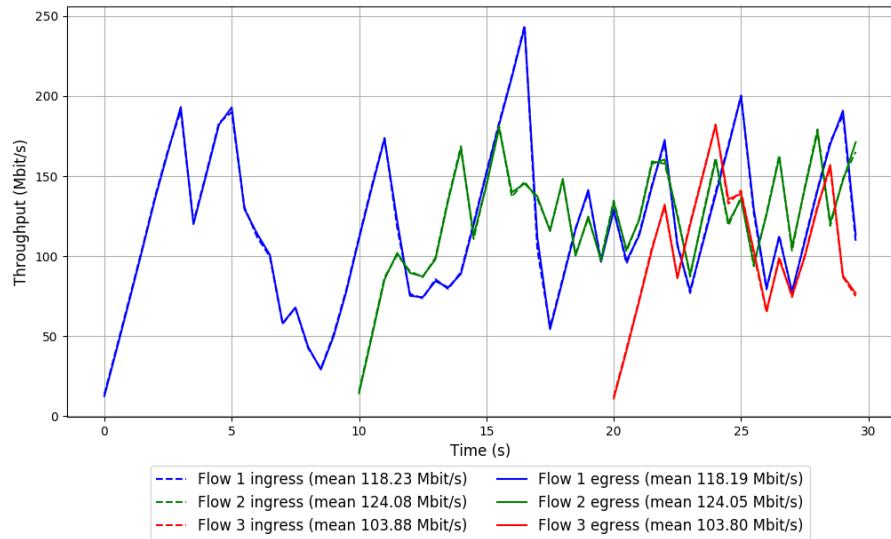


Run 2: Statistics of LEDBAT

```
Start at: 2017-09-21 23:17:05
End at: 2017-09-21 23:17:35
Local clock offset: 0.139 ms
Remote clock offset: -1.724 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.23 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 118.19 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 124.05 Mbit/s
95th percentile per-packet one-way delay: 18.109 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 103.80 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.07%
```

Run 2: Report of LEDBAT — Data Link

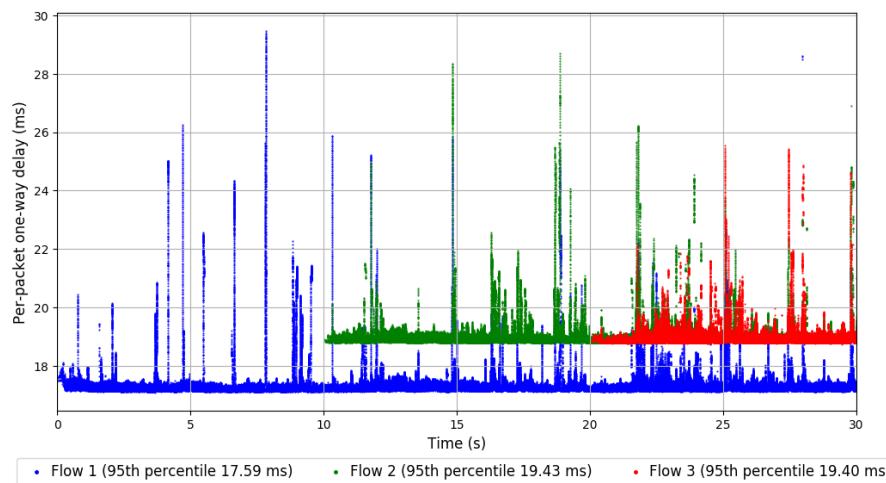
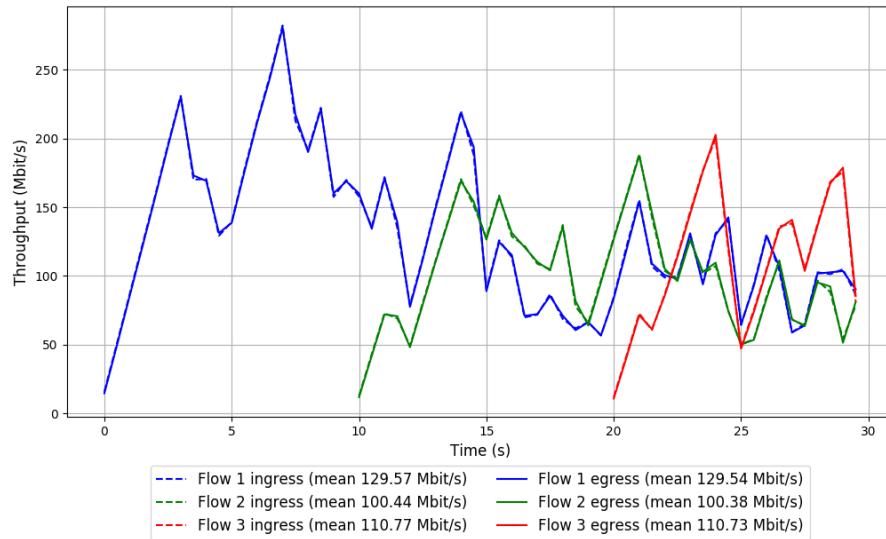


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-21 23:36:46
End at: 2017-09-21 23:37:16
Local clock offset: 0.204 ms
Remote clock offset: -2.018 ms

# Below is generated by plot.py at 2017-09-22 04:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.10 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 17.585 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 100.38 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 110.73 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.03%
```

Run 3: Report of LEDBAT — Data Link

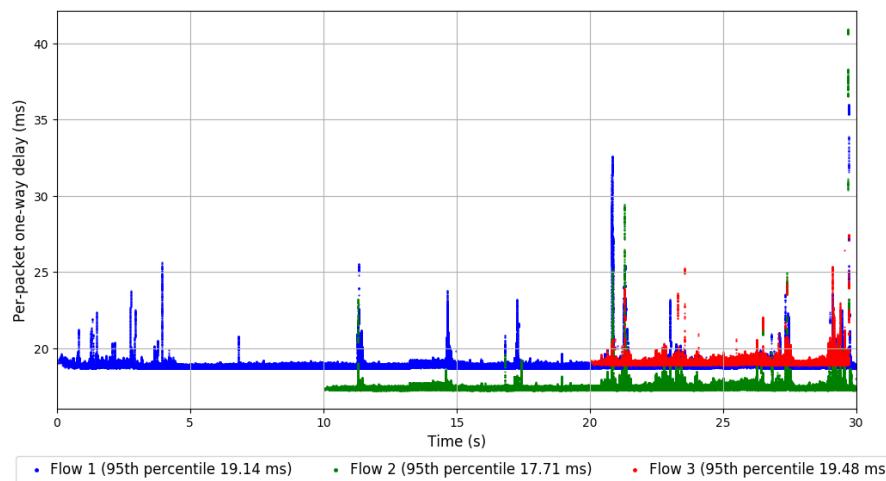
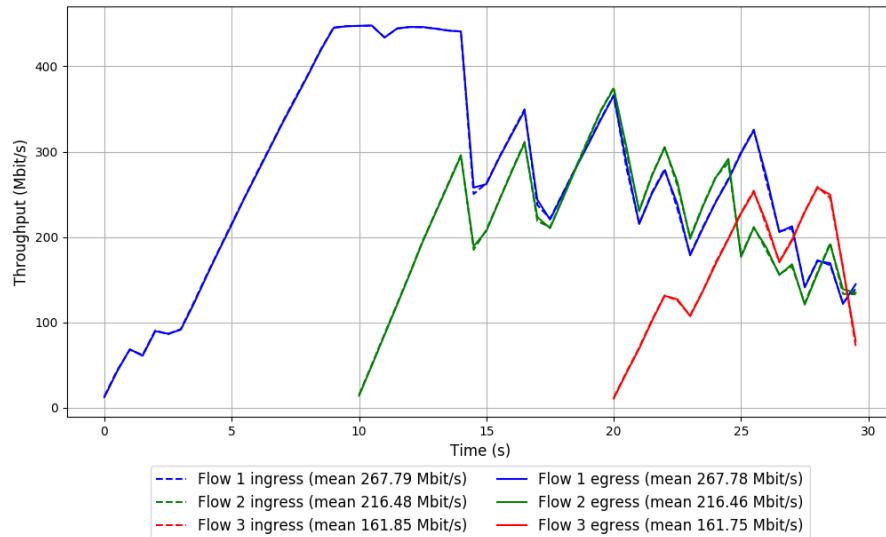


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-21 23:56:44
End at: 2017-09-21 23:57:14
Local clock offset: 0.288 ms
Remote clock offset: -1.859 ms

# Below is generated by plot.py at 2017-09-22 04:24:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.18 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 267.78 Mbit/s
95th percentile per-packet one-way delay: 19.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 216.46 Mbit/s
95th percentile per-packet one-way delay: 17.714 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 161.75 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.06%
```

Run 4: Report of LEDBAT — Data Link

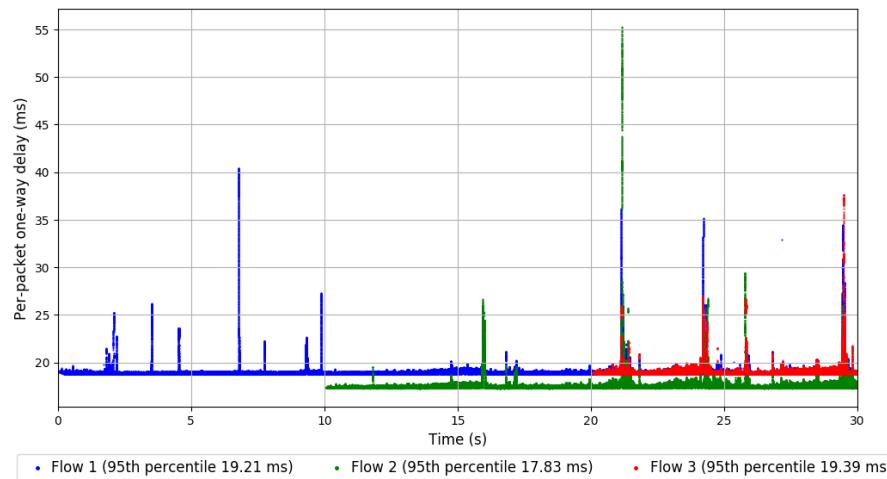
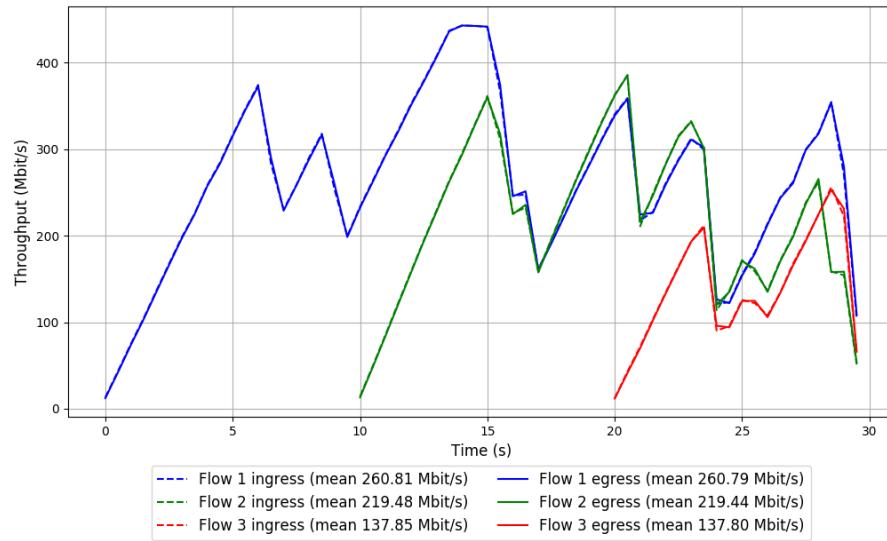


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-22 00:16:49
End at: 2017-09-22 00:17:19
Local clock offset: 0.347 ms
Remote clock offset: -1.84 ms

# Below is generated by plot.py at 2017-09-22 04:25:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.43 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 260.79 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 219.44 Mbit/s
95th percentile per-packet one-way delay: 17.833 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 137.80 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.04%
```

Run 5: Report of LEDBAT — Data Link

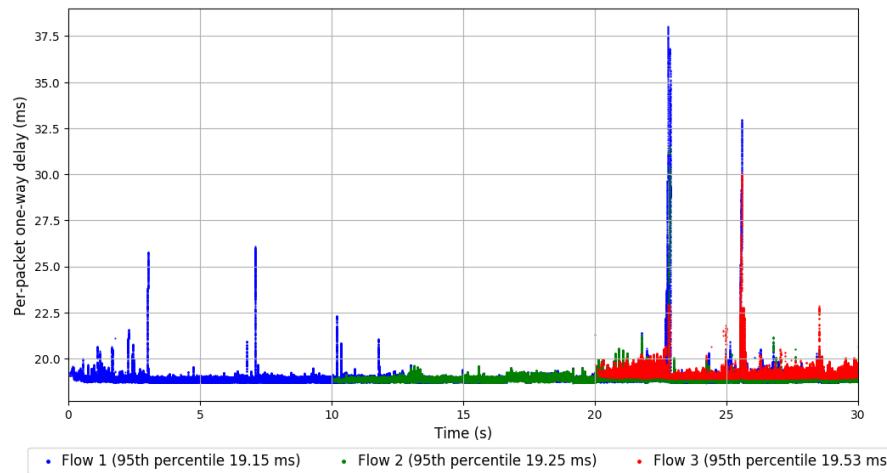
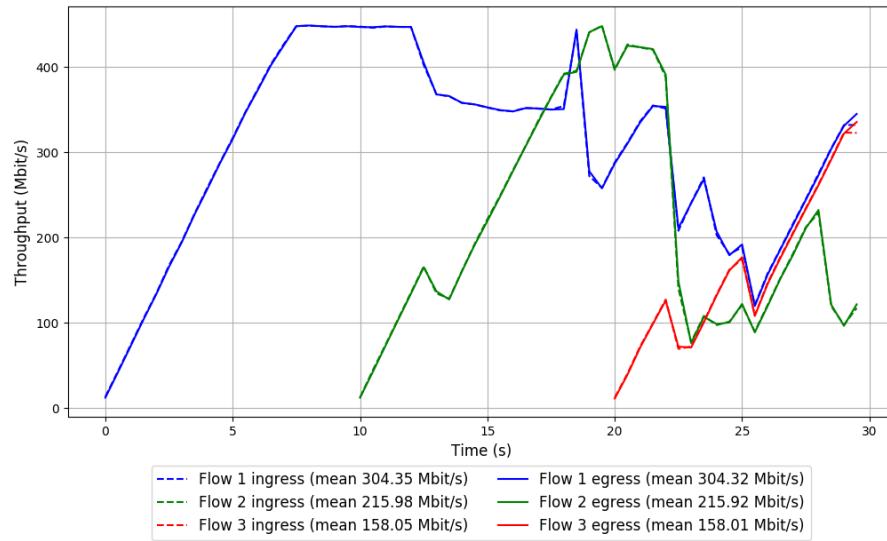


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-22 00:37:17
End at: 2017-09-22 00:37:47
Local clock offset: 0.177 ms
Remote clock offset: -1.755 ms

# Below is generated by plot.py at 2017-09-22 04:26:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.39 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 304.32 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 215.92 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 158.01 Mbit/s
95th percentile per-packet one-way delay: 19.531 ms
Loss rate: 0.03%
```

Run 6: Report of LEDBAT — Data Link

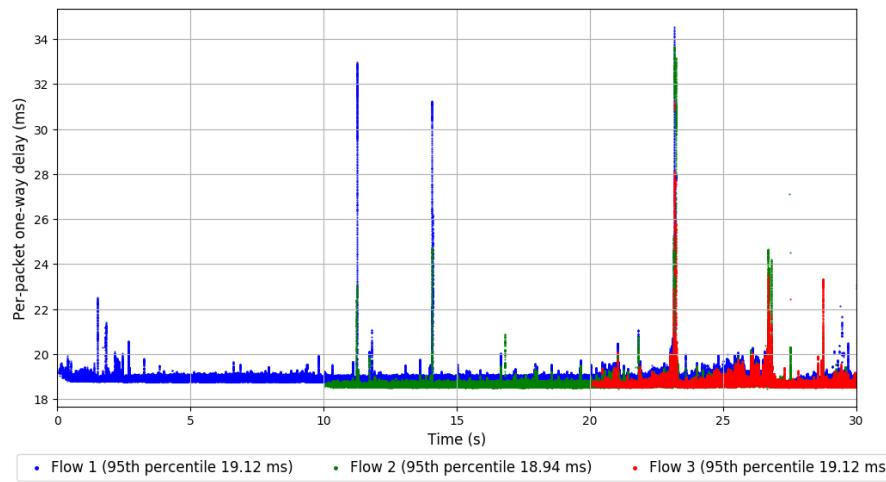
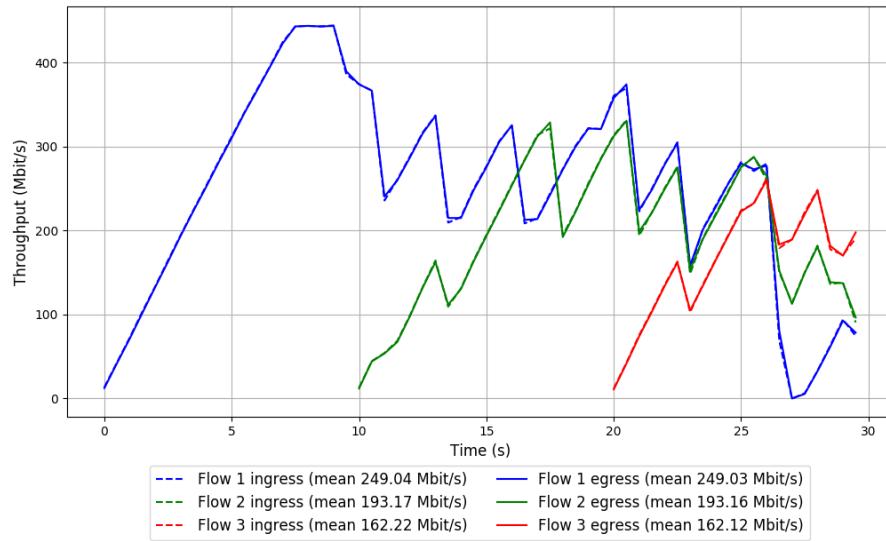


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-22 00:57:34
End at: 2017-09-22 00:58:04
Local clock offset: -0.035 ms
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2017-09-22 04:26:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.42 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 249.03 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 193.16 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.12 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.01%
```

Run 7: Report of LEDBAT — Data Link

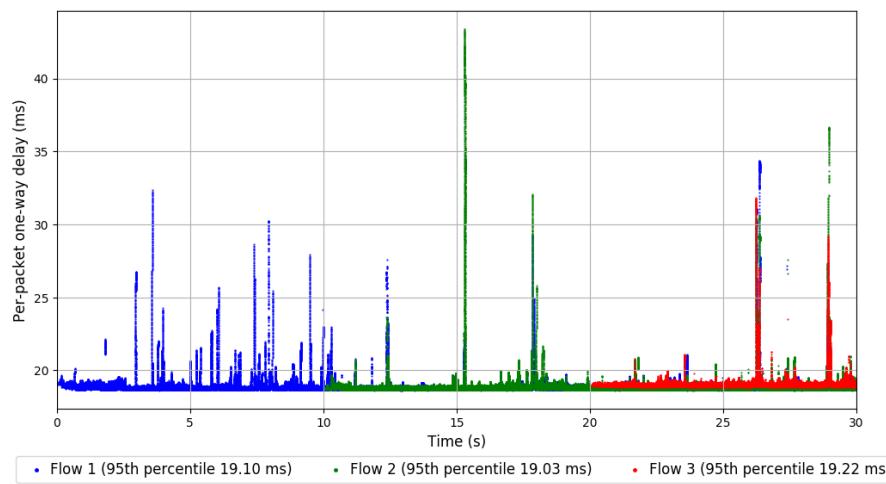
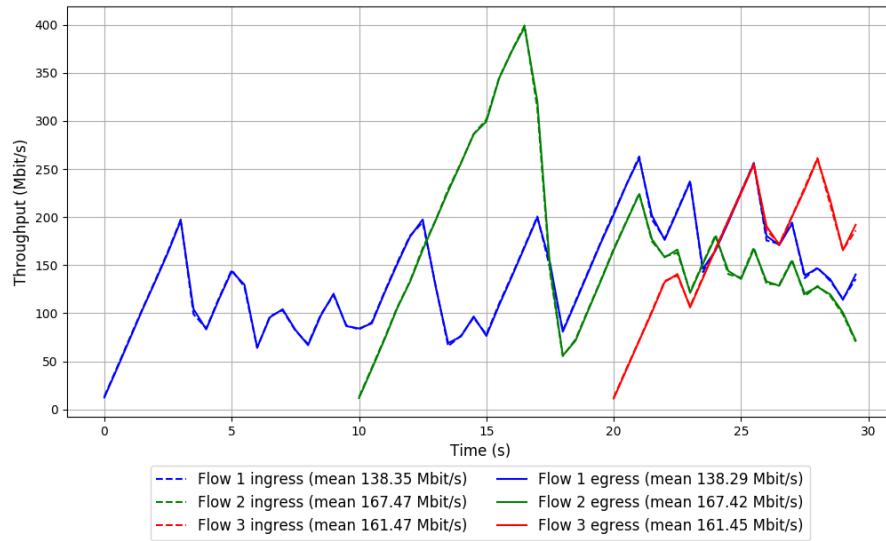


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-22 01:17:52
End at: 2017-09-22 01:18:22
Local clock offset: -0.297 ms
Remote clock offset: -1.849 ms

# Below is generated by plot.py at 2017-09-22 04:26:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 303.30 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 138.29 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 167.42 Mbit/s
95th percentile per-packet one-way delay: 19.031 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.01%
```

Run 8: Report of LEDBAT — Data Link

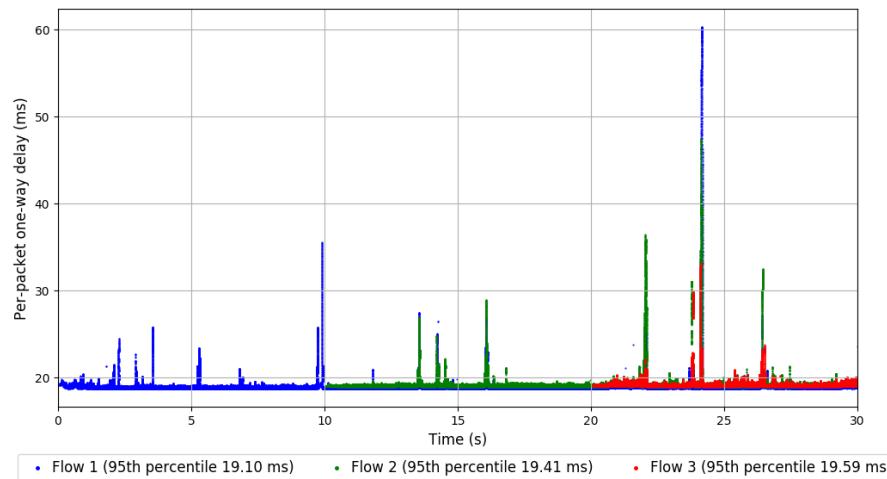
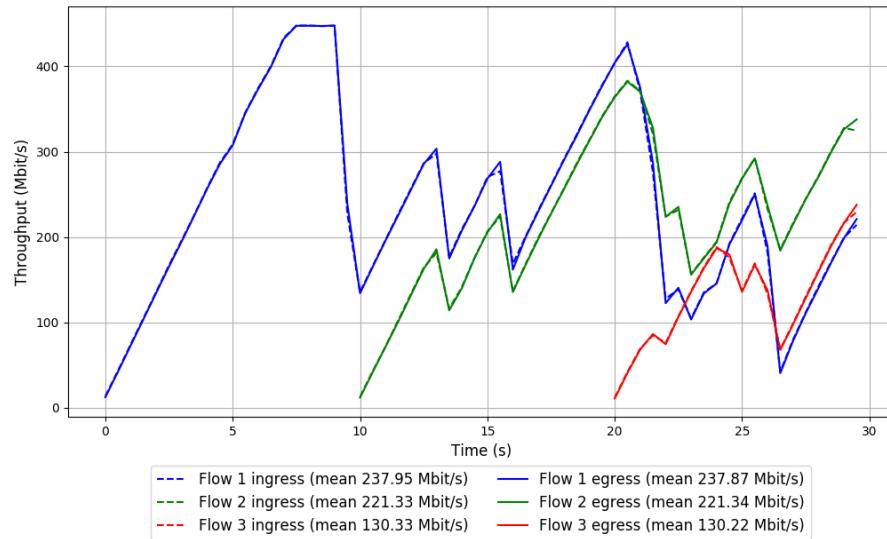


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-22 01:37:56
End at: 2017-09-22 01:38:26
Local clock offset: -0.442 ms
Remote clock offset: -1.948 ms

# Below is generated by plot.py at 2017-09-22 04:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.41 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 237.87 Mbit/s
95th percentile per-packet one-way delay: 19.103 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 221.34 Mbit/s
95th percentile per-packet one-way delay: 19.407 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 130.22 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.05%
```

Run 9: Report of LEDBAT — Data Link

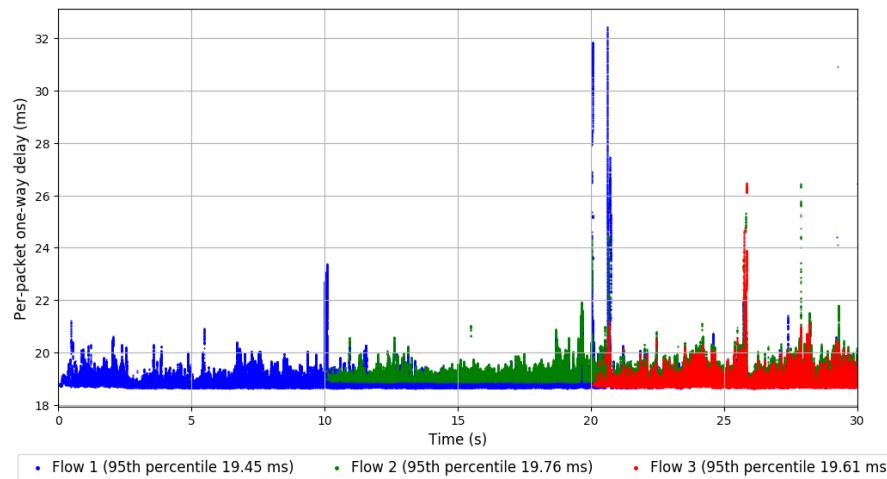
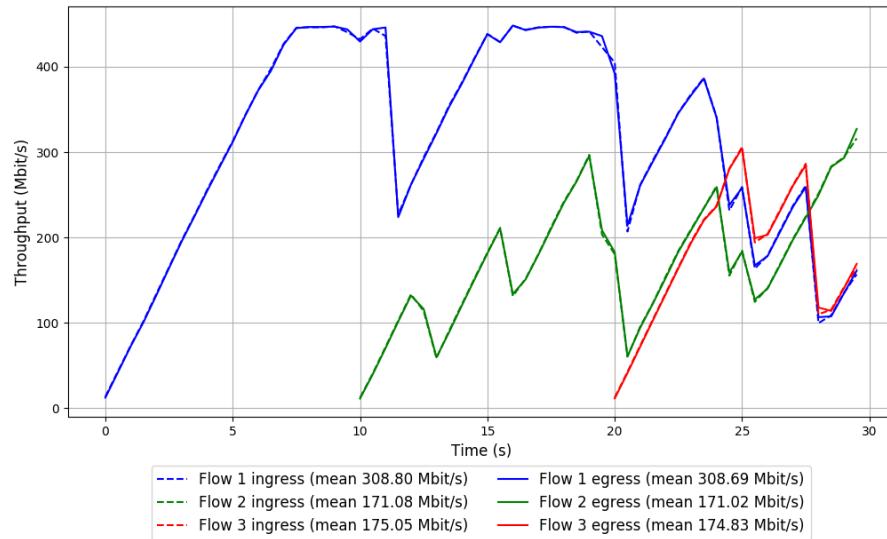


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-22 01:58:20
End at: 2017-09-22 01:58:50
Local clock offset: -0.392 ms
Remote clock offset: -1.81 ms

# Below is generated by plot.py at 2017-09-22 04:27:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.48 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 308.69 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 171.02 Mbit/s
95th percentile per-packet one-way delay: 19.761 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 174.83 Mbit/s
95th percentile per-packet one-way delay: 19.615 ms
Loss rate: 0.05%
```

Run 10: Report of LEDBAT — Data Link

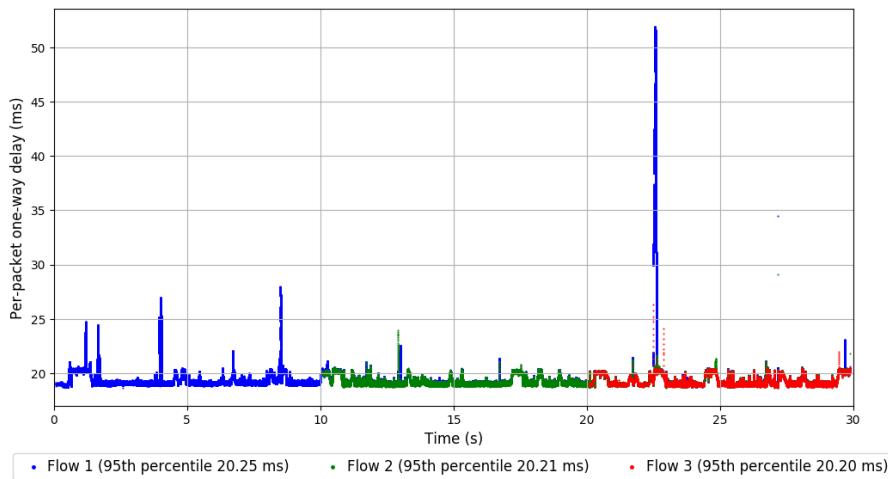
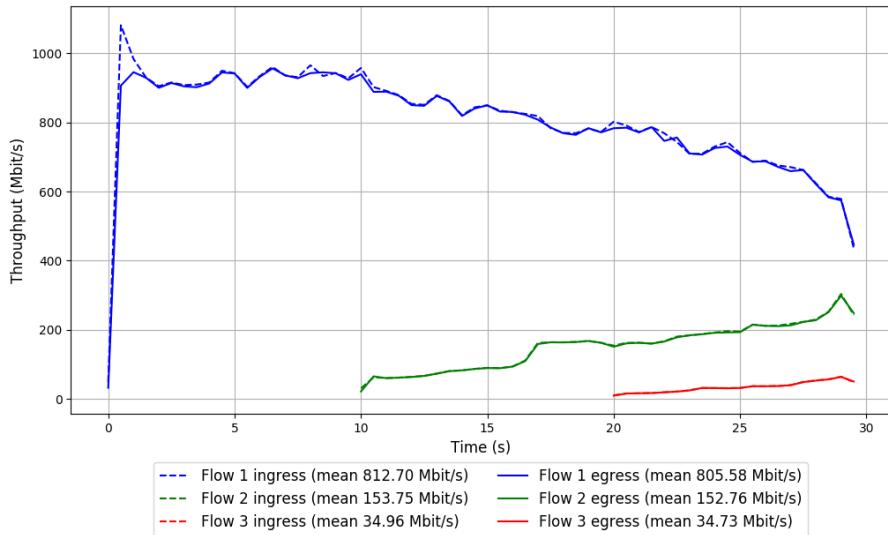


Run 1: Statistics of PCC

```
Start at: 2017-09-21 23:00:27
End at: 2017-09-21 23:00:57
Local clock offset: 0.182 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at 2017-09-22 04:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 918.55 Mbit/s
95th percentile per-packet one-way delay: 20.244 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 805.58 Mbit/s
95th percentile per-packet one-way delay: 20.248 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 152.76 Mbit/s
95th percentile per-packet one-way delay: 20.207 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 20.200 ms
Loss rate: 0.68%
```

Run 1: Report of PCC — Data Link

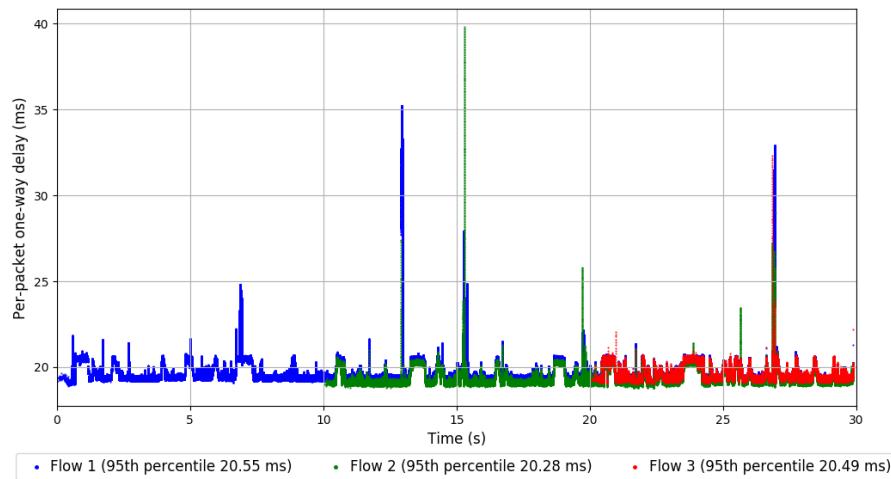
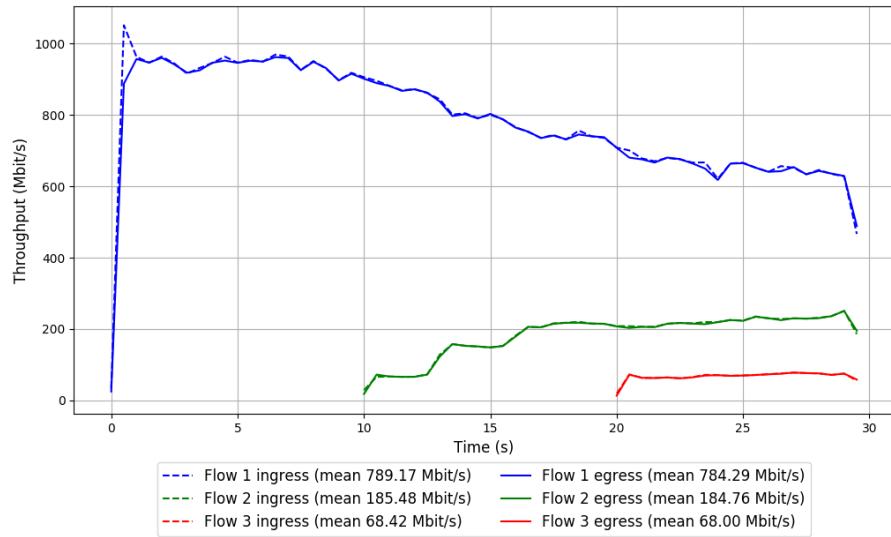


Run 2: Statistics of PCC

```
Start at: 2017-09-21 23:20:13
End at: 2017-09-21 23:20:43
Local clock offset: 0.117 ms
Remote clock offset: -1.768 ms

# Below is generated by plot.py at 2017-09-22 04:37:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 929.32 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 784.29 Mbit/s
95th percentile per-packet one-way delay: 20.545 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 184.76 Mbit/s
95th percentile per-packet one-way delay: 20.281 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 68.00 Mbit/s
95th percentile per-packet one-way delay: 20.492 ms
Loss rate: 0.59%
```

Run 2: Report of PCC — Data Link

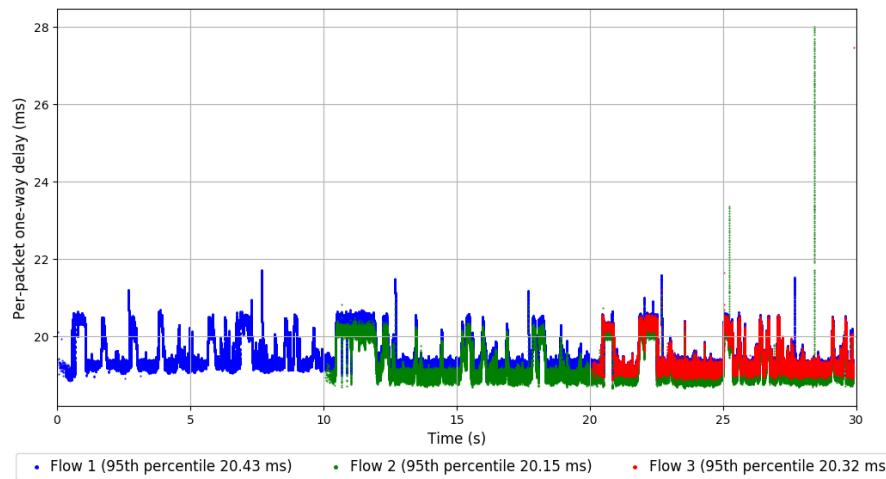
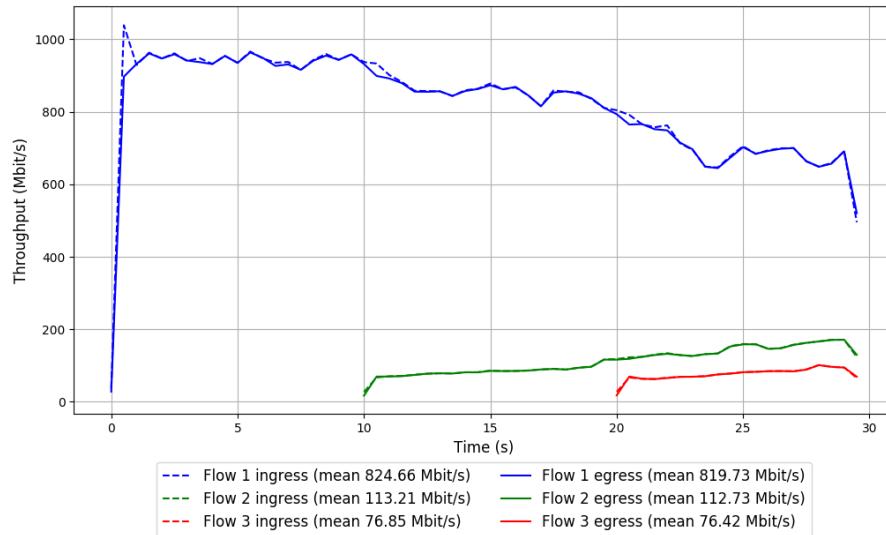


Run 3: Statistics of PCC

```
Start at: 2017-09-21 23:39:55
End at: 2017-09-21 23:40:25
Local clock offset: 0.124 ms
Remote clock offset: -2.019 ms

# Below is generated by plot.py at 2017-09-22 04:38:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 919.54 Mbit/s
95th percentile per-packet one-way delay: 20.428 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 819.73 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 112.73 Mbit/s
95th percentile per-packet one-way delay: 20.147 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 20.325 ms
Loss rate: 0.48%
```

Run 3: Report of PCC — Data Link

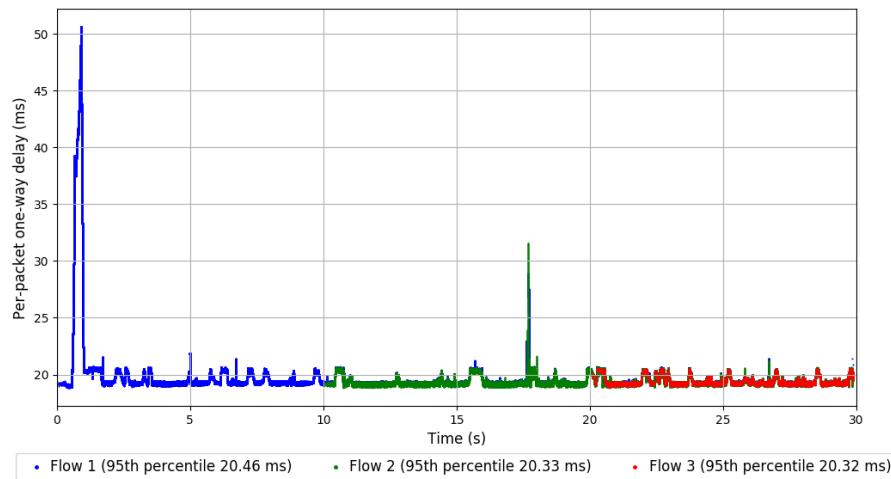
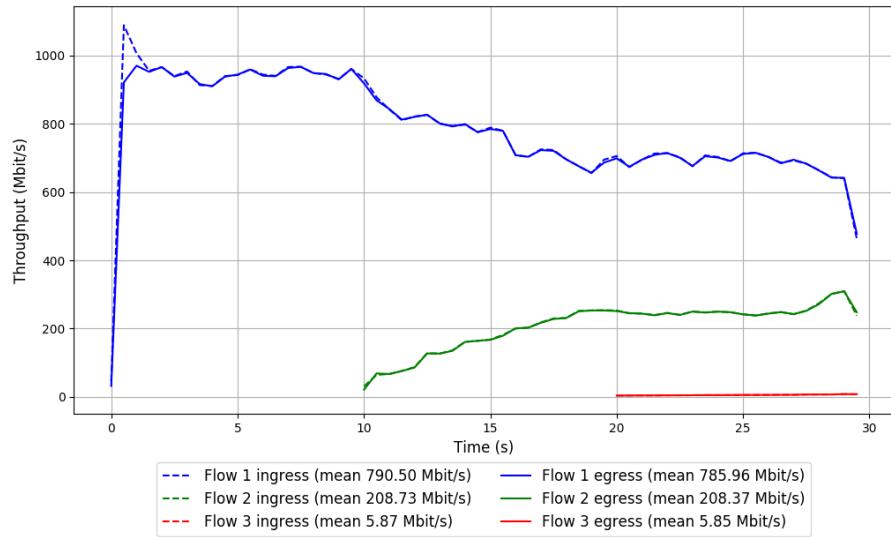


Run 4: Statistics of PCC

```
Start at: 2017-09-22 00:00:05
End at: 2017-09-22 00:00:35
Local clock offset: 0.24 ms
Remote clock offset: -1.934 ms

# Below is generated by plot.py at 2017-09-22 04:38:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 926.42 Mbit/s
95th percentile per-packet one-way delay: 20.445 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 785.96 Mbit/s
95th percentile per-packet one-way delay: 20.457 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 208.37 Mbit/s
95th percentile per-packet one-way delay: 20.334 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.36%
```

Run 4: Report of PCC — Data Link

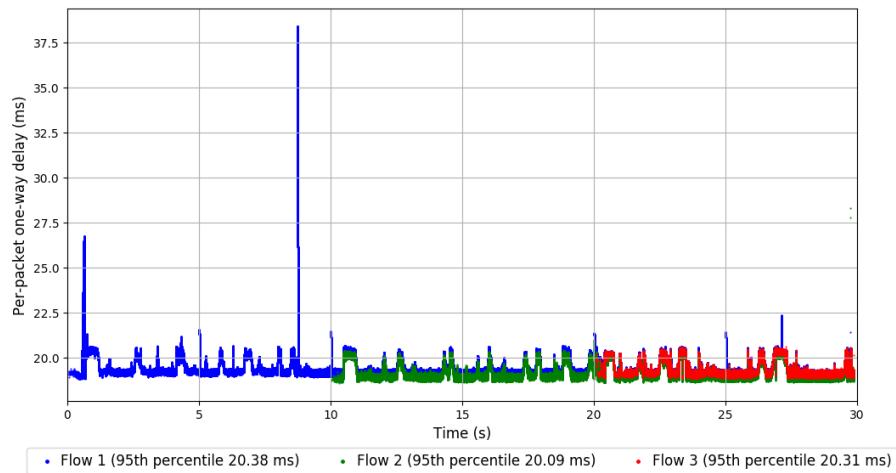
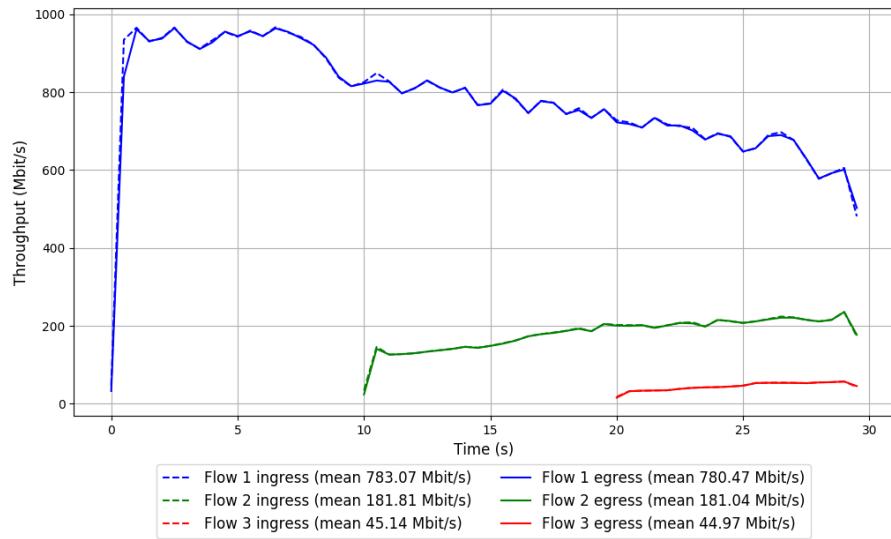


Run 5: Statistics of PCC

```
Start at: 2017-09-22 00:20:10
End at: 2017-09-22 00:20:40
Local clock offset: 0.447 ms
Remote clock offset: -1.859 ms

# Below is generated by plot.py at 2017-09-22 04:39:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 915.63 Mbit/s
95th percentile per-packet one-way delay: 20.365 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 780.47 Mbit/s
95th percentile per-packet one-way delay: 20.380 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 181.04 Mbit/s
95th percentile per-packet one-way delay: 20.090 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 20.308 ms
Loss rate: 0.39%
```

Run 5: Report of PCC — Data Link

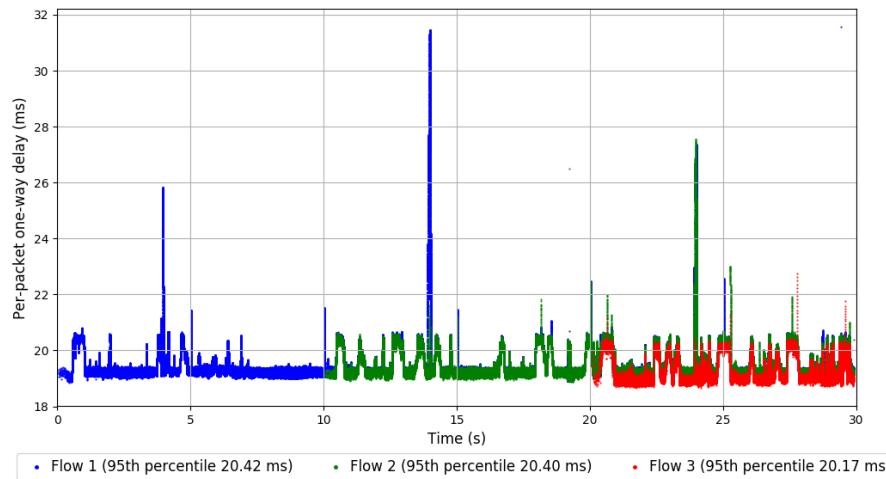
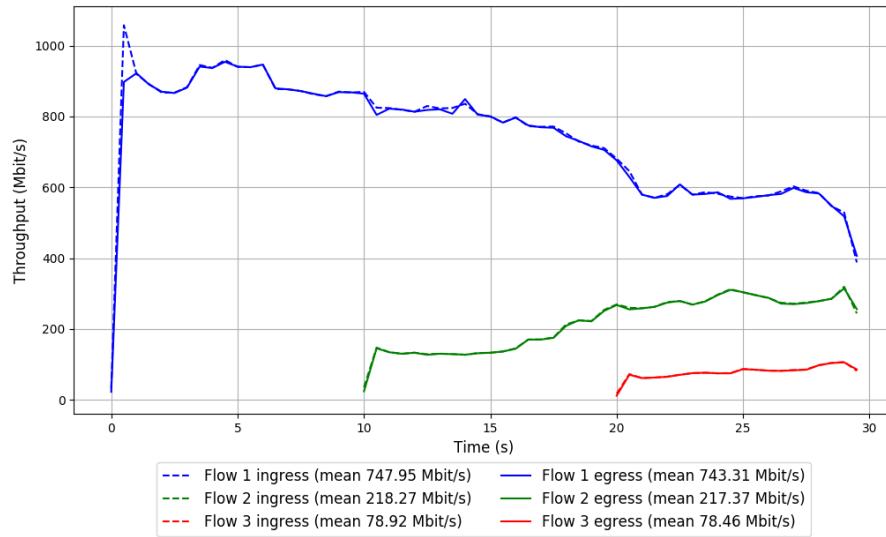


Run 6: Statistics of PCC

```
Start at: 2017-09-22 00:40:41
End at: 2017-09-22 00:41:11
Local clock offset: 0.125 ms
Remote clock offset: -1.793 ms

# Below is generated by plot.py at 2017-09-22 04:40:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 913.59 Mbit/s
95th percentile per-packet one-way delay: 20.418 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 743.31 Mbit/s
95th percentile per-packet one-way delay: 20.423 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 217.37 Mbit/s
95th percentile per-packet one-way delay: 20.402 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 20.169 ms
Loss rate: 0.59%
```

Run 6: Report of PCC — Data Link

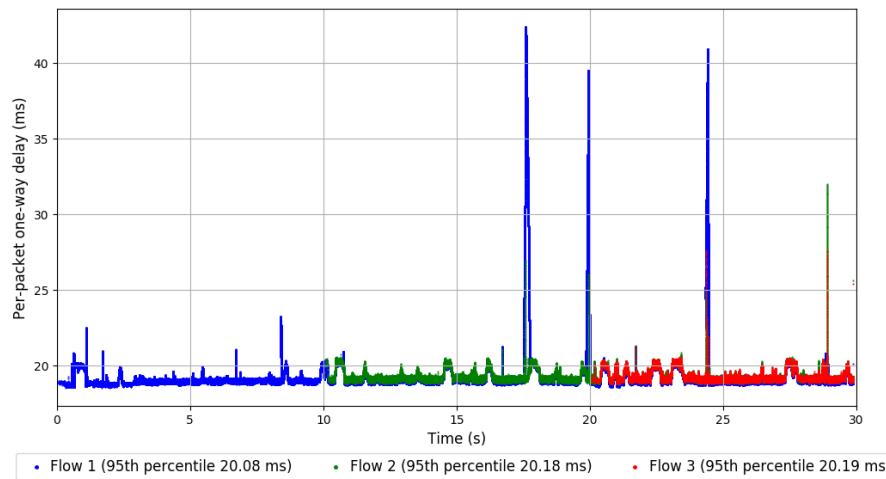
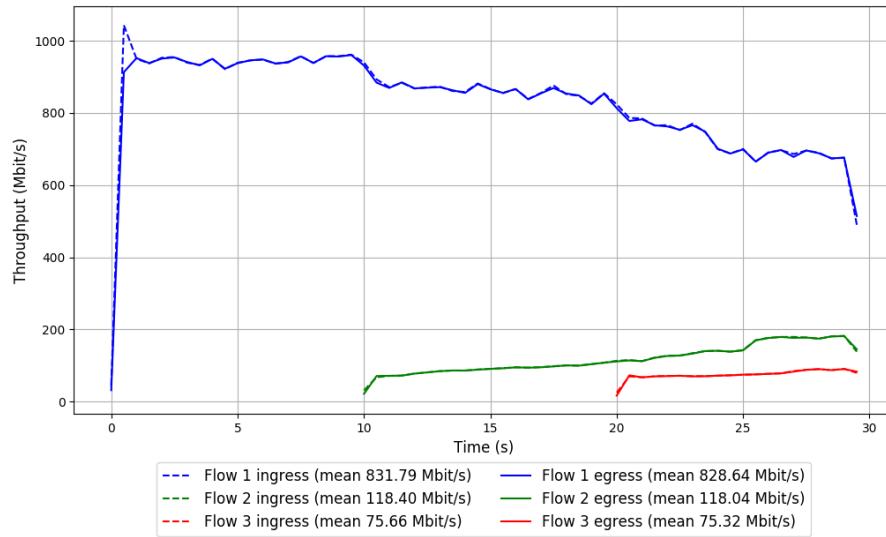


Run 7: Statistics of PCC

```
Start at: 2017-09-22 01:00:56
End at: 2017-09-22 01:01:26
Local clock offset: -0.089 ms
Remote clock offset: -1.859 ms

# Below is generated by plot.py at 2017-09-22 04:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 931.81 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 828.64 Mbit/s
95th percentile per-packet one-way delay: 20.079 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 118.04 Mbit/s
95th percentile per-packet one-way delay: 20.185 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 20.191 ms
Loss rate: 0.39%
```

Run 7: Report of PCC — Data Link

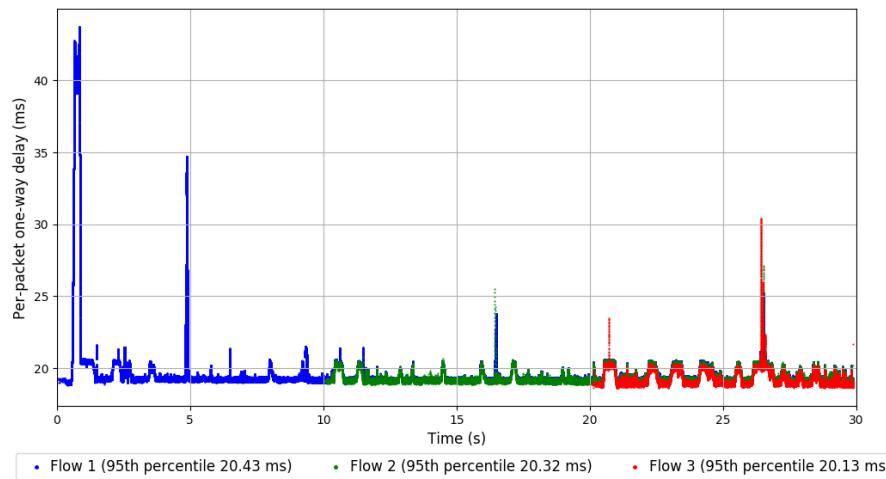
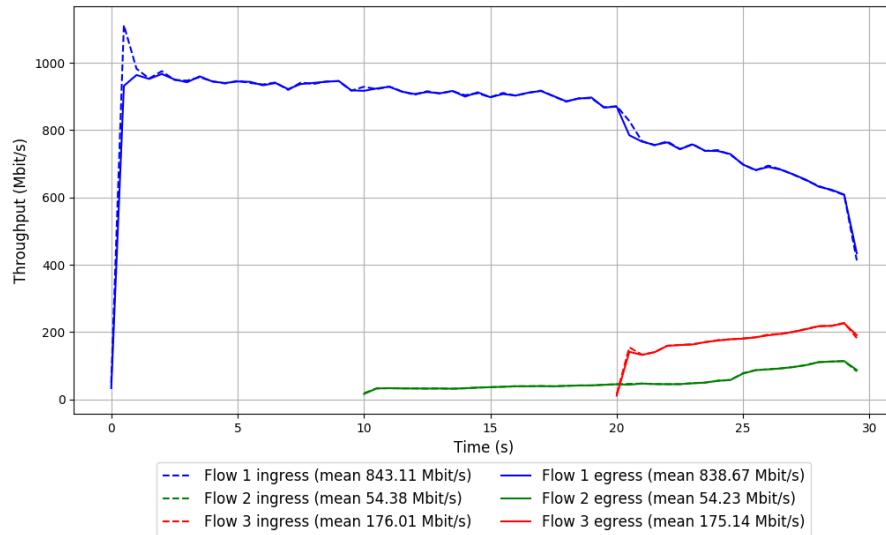


Run 8: Statistics of PCC

```
Start at: 2017-09-22 01:21:08
End at: 2017-09-22 01:21:38
Local clock offset: -0.317 ms
Remote clock offset: -1.865 ms

# Below is generated by plot.py at 2017-09-22 04:41:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 932.22 Mbit/s
95th percentile per-packet one-way delay: 20.424 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 838.67 Mbit/s
95th percentile per-packet one-way delay: 20.433 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 20.325 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 175.14 Mbit/s
95th percentile per-packet one-way delay: 20.132 ms
Loss rate: 0.48%
```

Run 8: Report of PCC — Data Link

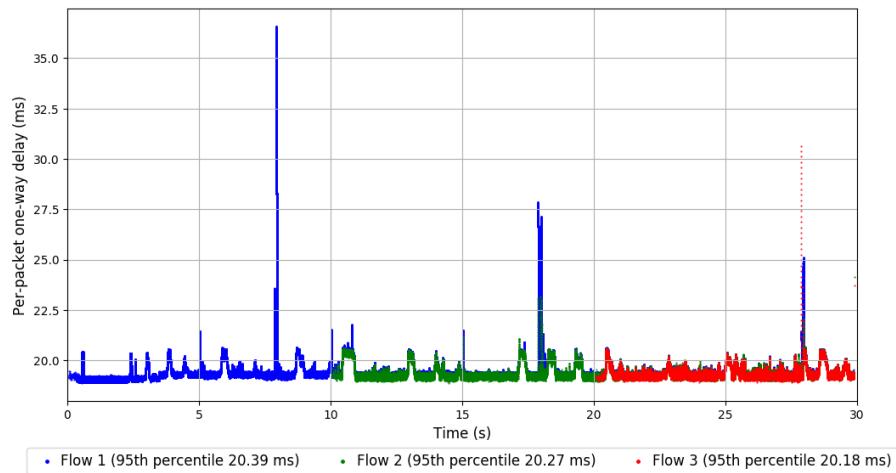
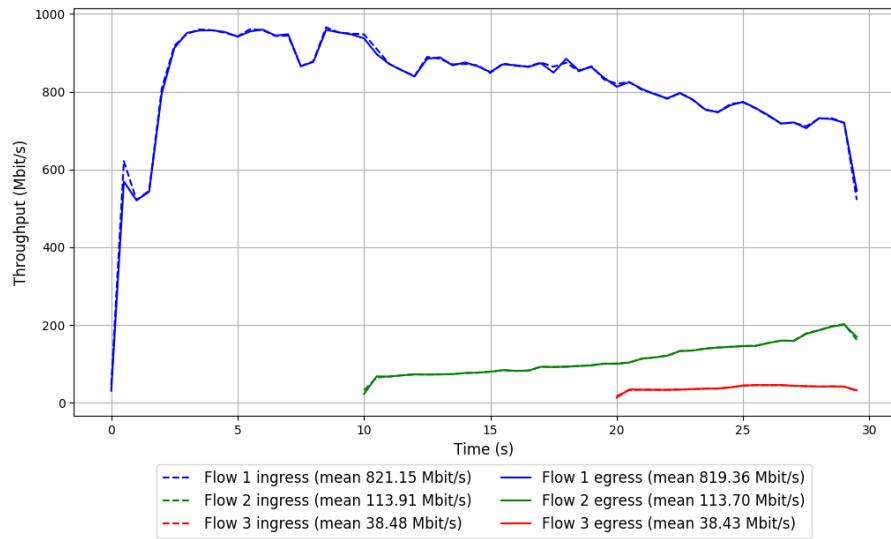


Run 9: Statistics of PCC

```
Start at: 2017-09-22 01:41:17
End at: 2017-09-22 01:41:47
Local clock offset: -0.353 ms
Remote clock offset: -1.83 ms

# Below is generated by plot.py at 2017-09-22 04:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.47 Mbit/s
95th percentile per-packet one-way delay: 20.374 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 819.36 Mbit/s
95th percentile per-packet one-way delay: 20.389 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 113.70 Mbit/s
95th percentile per-packet one-way delay: 20.272 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 20.176 ms
Loss rate: 0.12%
```

Run 9: Report of PCC — Data Link

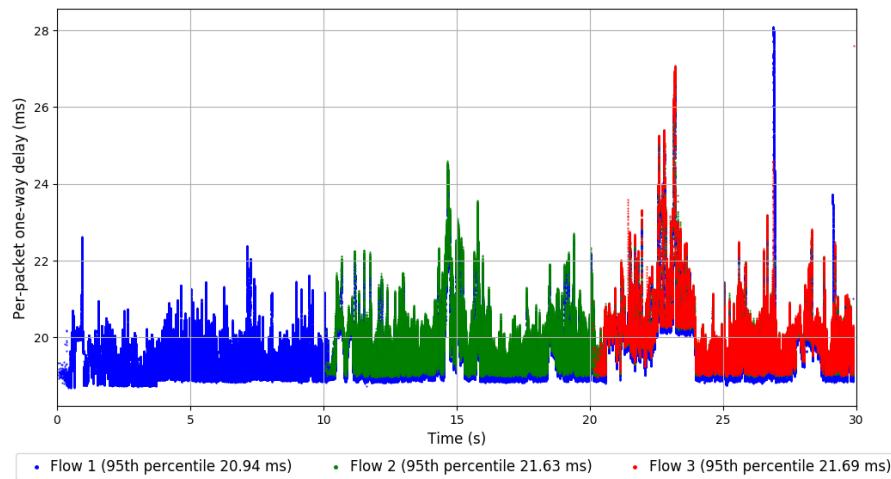
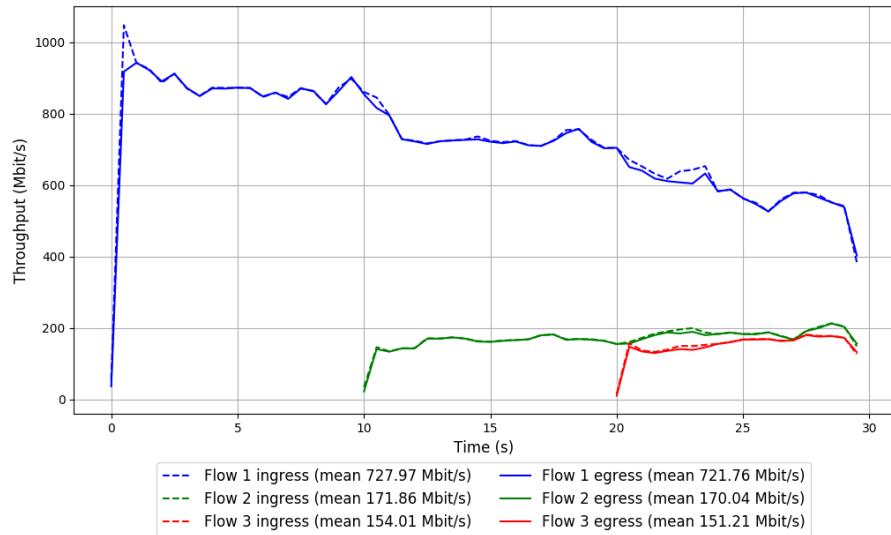


Run 10: Statistics of PCC

```
Start at: 2017-09-22 02:01:43
End at: 2017-09-22 02:02:13
Local clock offset: -0.367 ms
Remote clock offset: -1.736 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.35 Mbit/s
95th percentile per-packet one-way delay: 21.100 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 721.76 Mbit/s
95th percentile per-packet one-way delay: 20.940 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 170.04 Mbit/s
95th percentile per-packet one-way delay: 21.632 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 151.21 Mbit/s
95th percentile per-packet one-way delay: 21.692 ms
Loss rate: 1.77%
```

Run 10: Report of PCC — Data Link

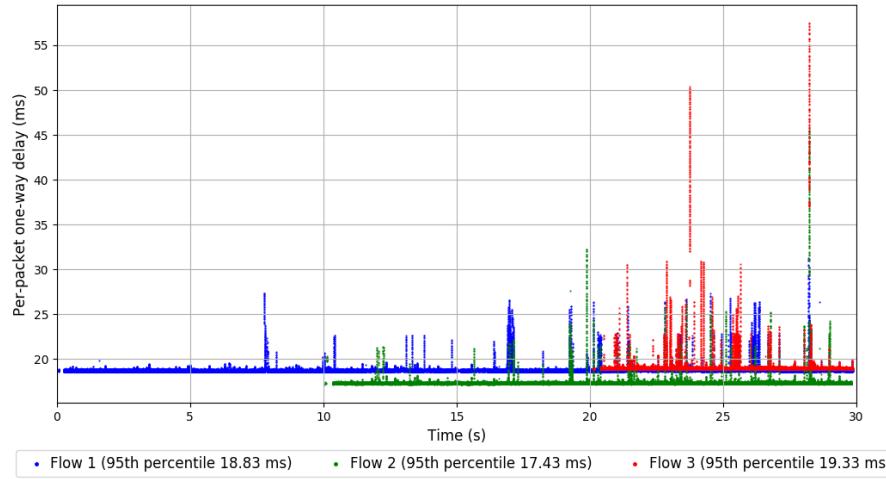
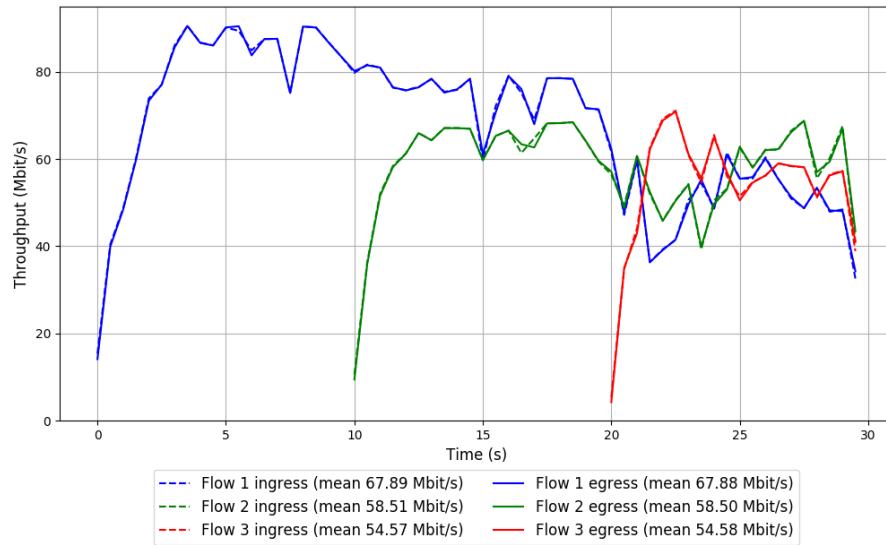


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 22:54:57
End at: 2017-09-21 22:55:27
Local clock offset: 0.292 ms
Remote clock offset: -1.182 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.48 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 17.427 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.02%
```

Run 1: Report of QUIC Cubic — Data Link

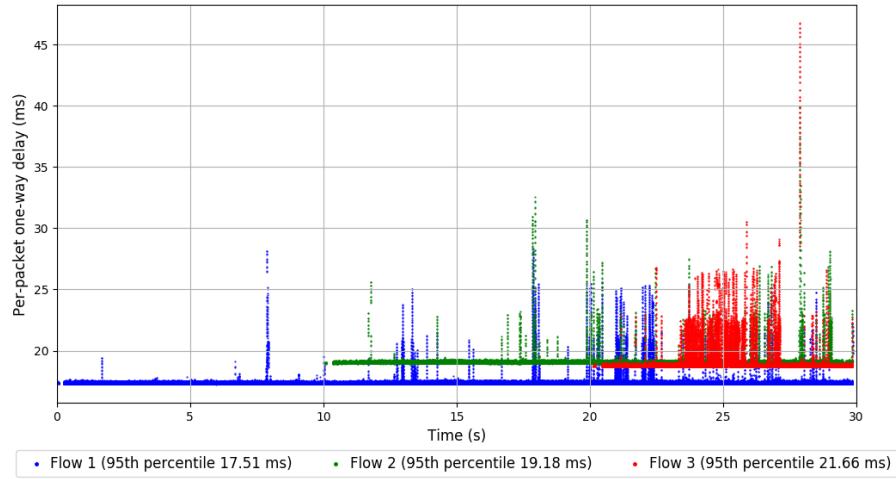
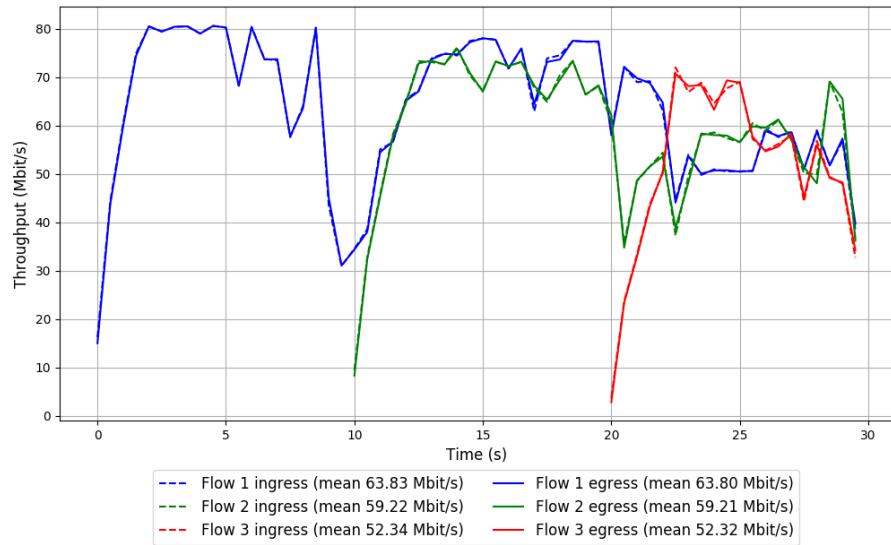


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-21 23:14:37
End at: 2017-09-21 23:15:07
Local clock offset: 0.138 ms
Remote clock offset: -1.705 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.23 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 17.509 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 21.657 ms
Loss rate: 0.05%
```

Run 2: Report of QUIC Cubic — Data Link

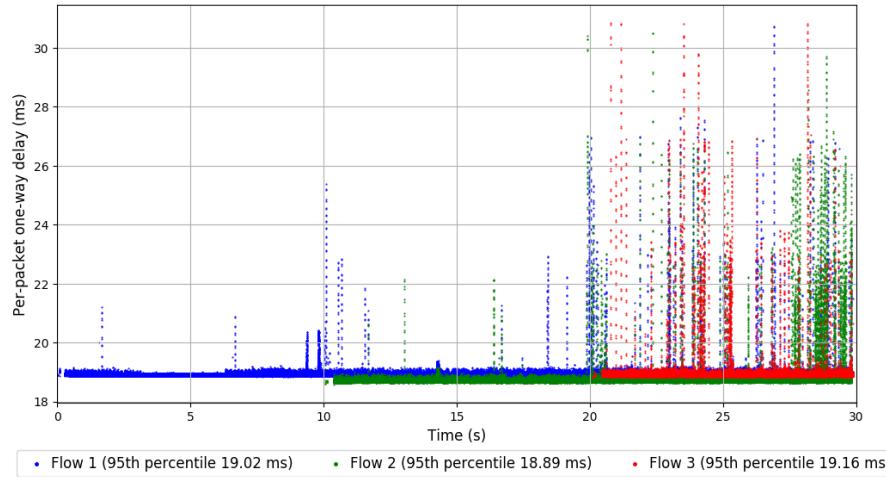
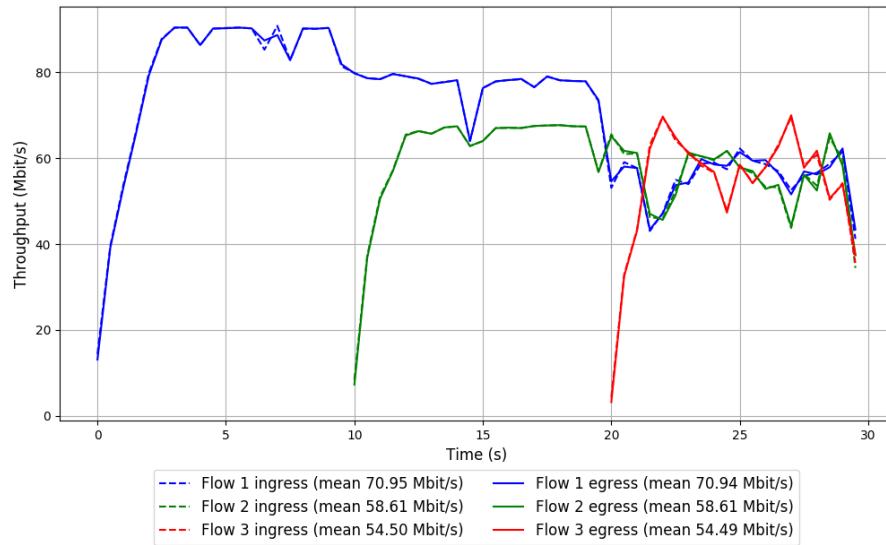


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-21 23:34:18
End at: 2017-09-21 23:34:48
Local clock offset: 0.204 ms
Remote clock offset: -1.954 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.60 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

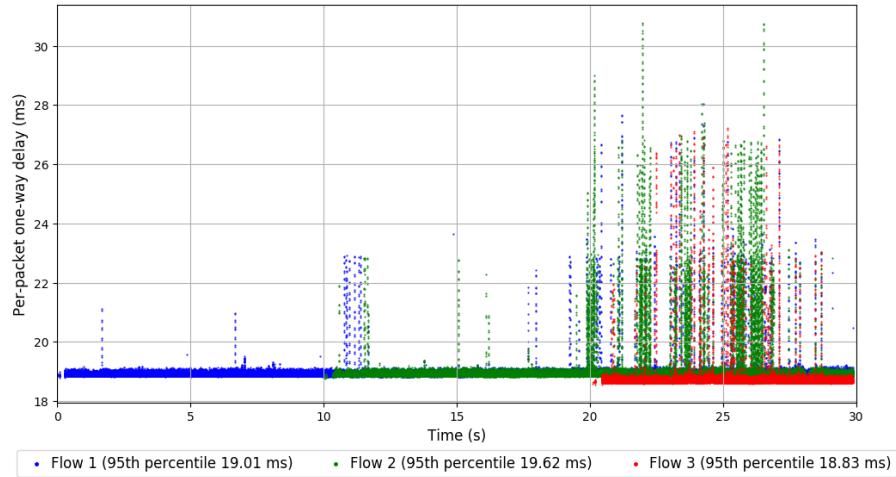
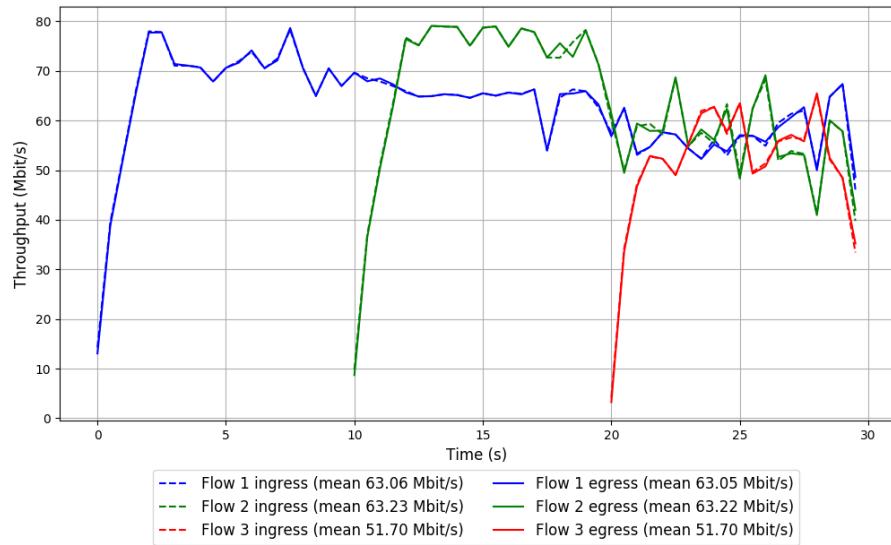


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-21 23:54:15
End at: 2017-09-21 23:54:45
Local clock offset: 0.266 ms
Remote clock offset: -1.926 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.97 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 19.009 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 19.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 18.831 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

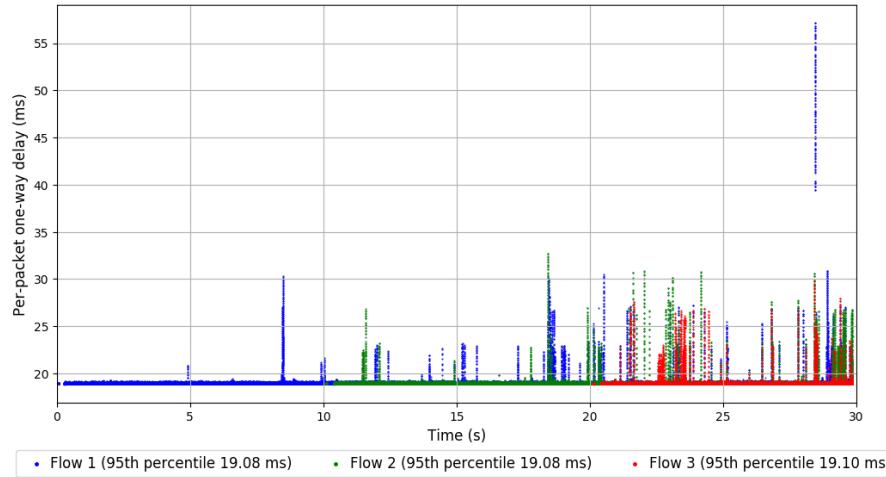
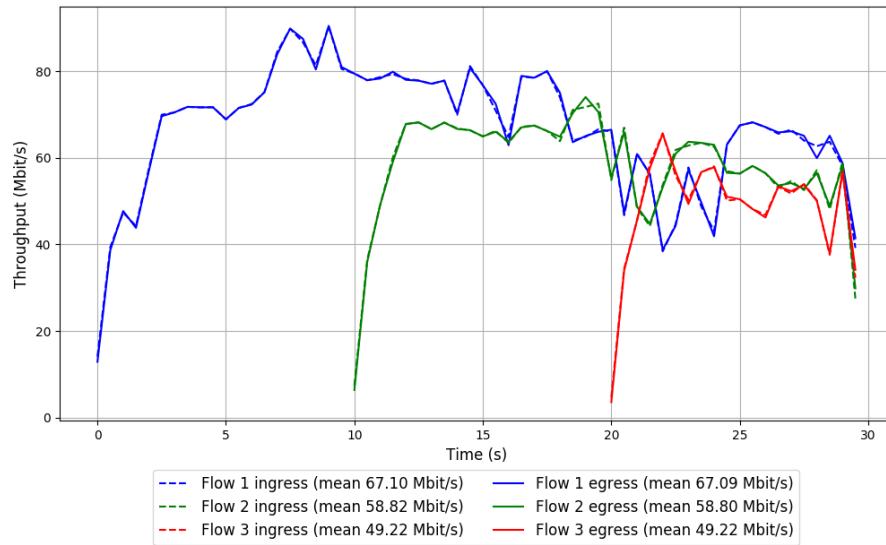


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-22 00:14:21
End at: 2017-09-22 00:14:51
Local clock offset: 0.435 ms
Remote clock offset: -1.817 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.23 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.09 Mbit/s
95th percentile per-packet one-way delay: 19.078 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.01%
```

Run 5: Report of QUIC Cubic — Data Link

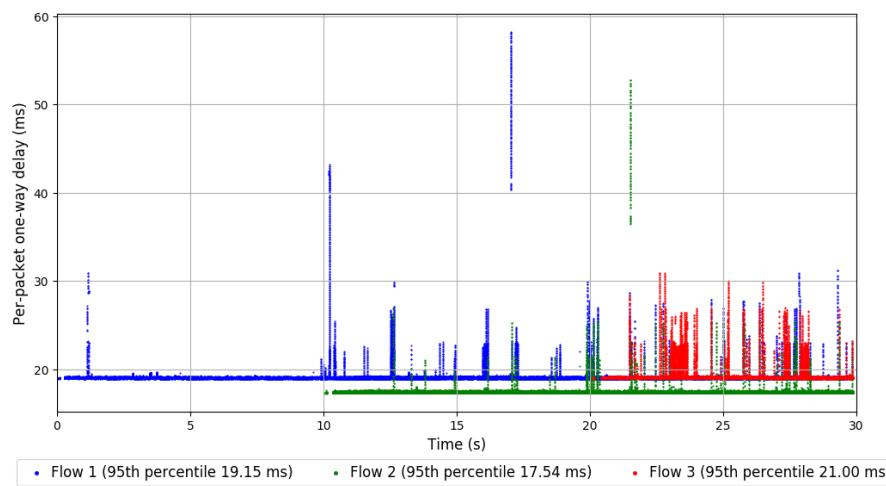
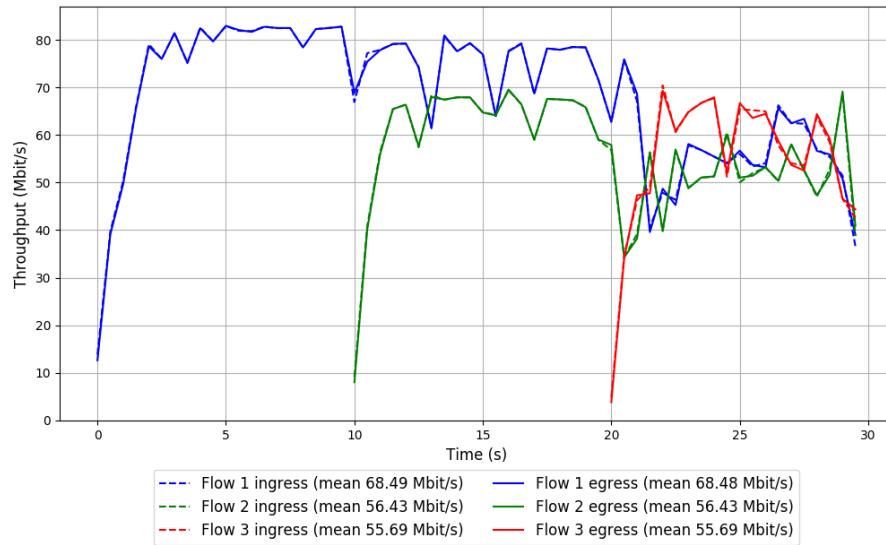


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-22 00:34:49
End at: 2017-09-22 00:35:19
Local clock offset: 0.222 ms
Remote clock offset: -1.703 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.19 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.48 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 17.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 21.003 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

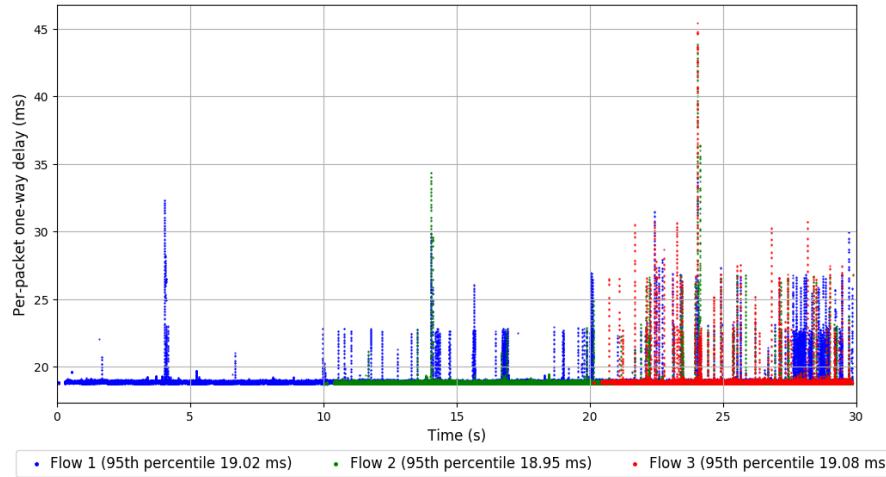
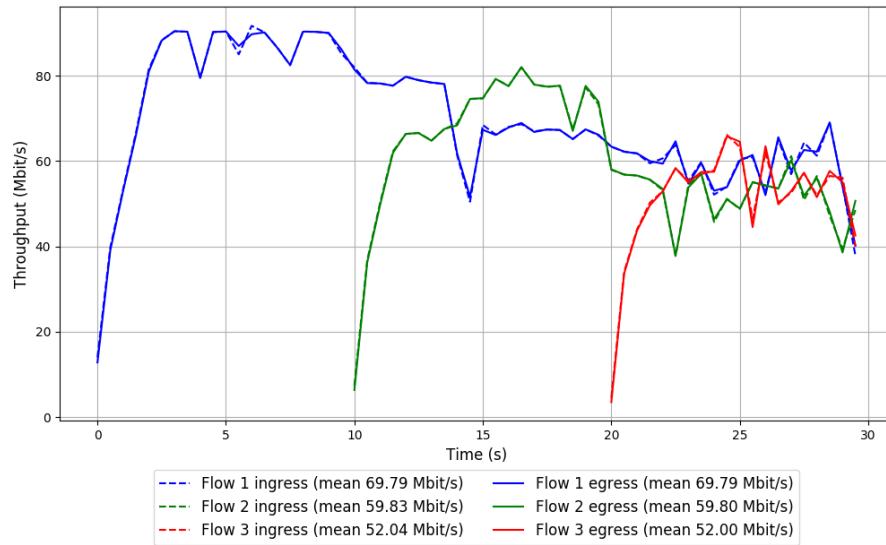


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-22 00:55:06
End at: 2017-09-22 00:55:36
Local clock offset: -0.107 ms
Remote clock offset: -1.758 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.49 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.00 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

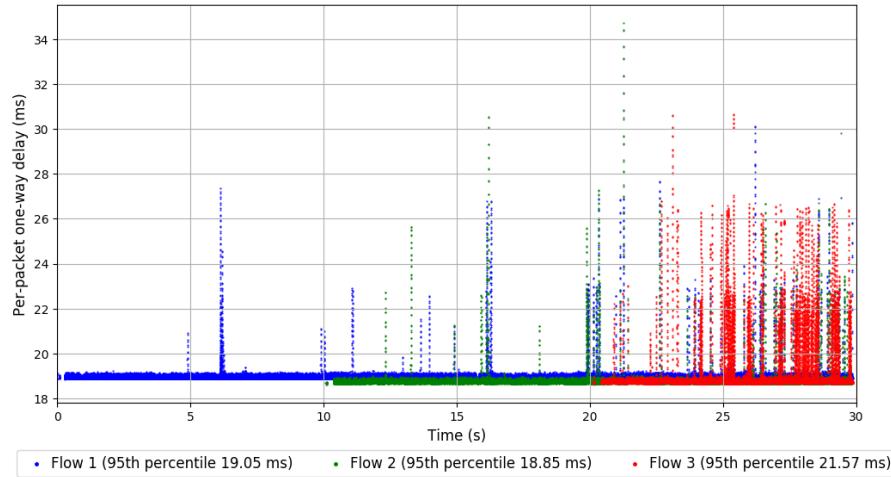
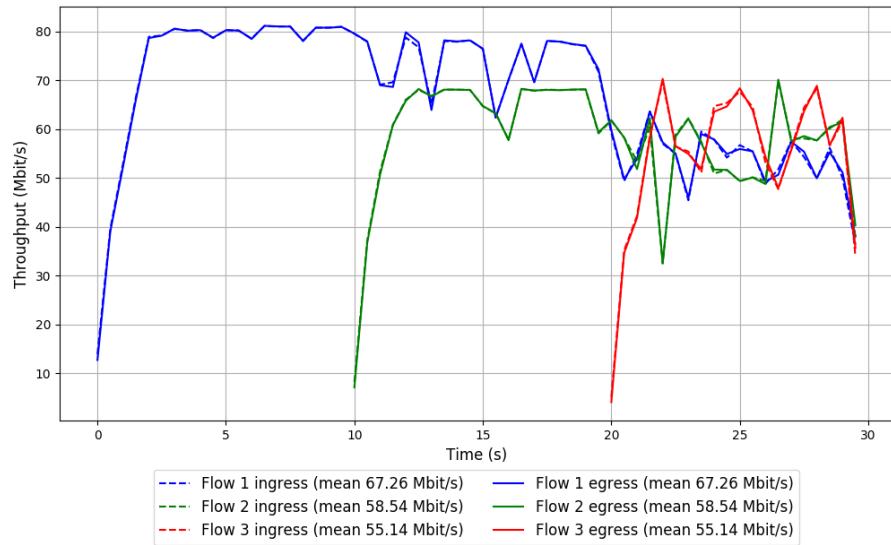


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-22 01:15:24
End at: 2017-09-22 01:15:54
Local clock offset: -0.274 ms
Remote clock offset: -1.83 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.08 Mbit/s
95th percentile per-packet one-way delay: 19.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 21.569 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

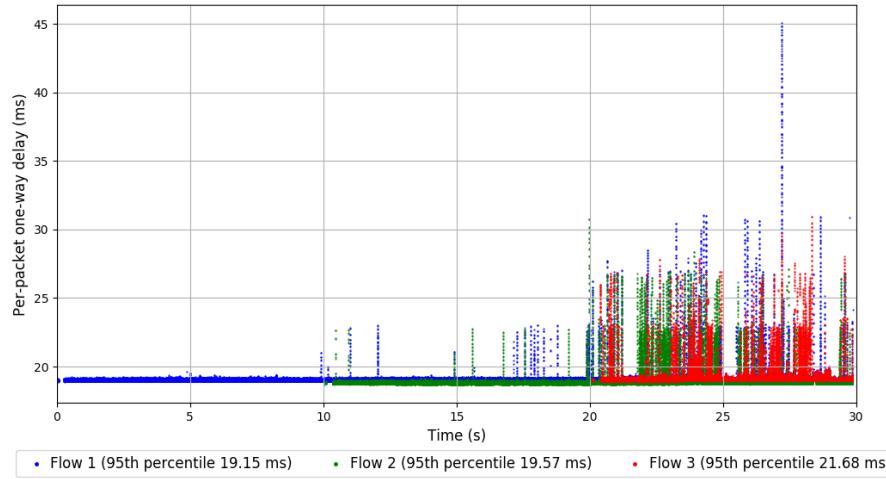
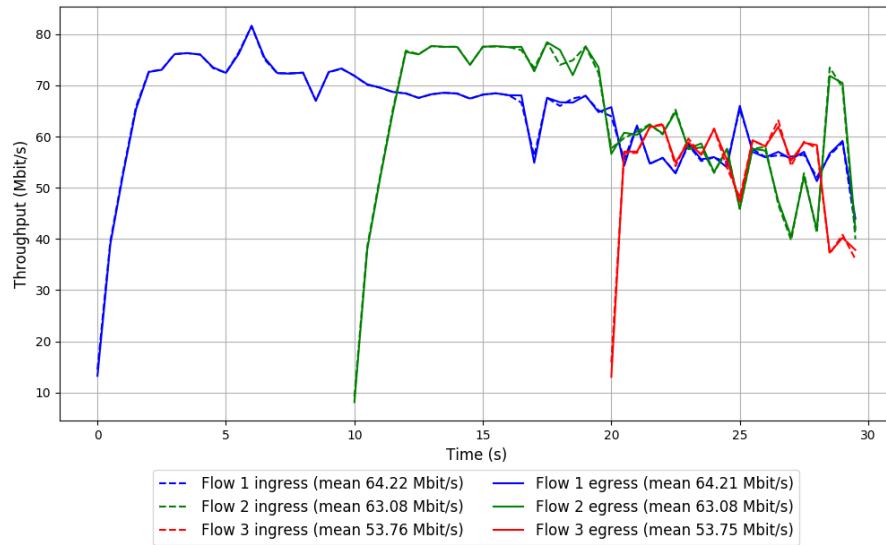


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-22 01:35:28
End at: 2017-09-22 01:35:58
Local clock offset: -0.45 ms
Remote clock offset: -1.944 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.77 Mbit/s
95th percentile per-packet one-way delay: 19.540 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 21.682 ms
Loss rate: 0.02%
```

Run 9: Report of QUIC Cubic — Data Link

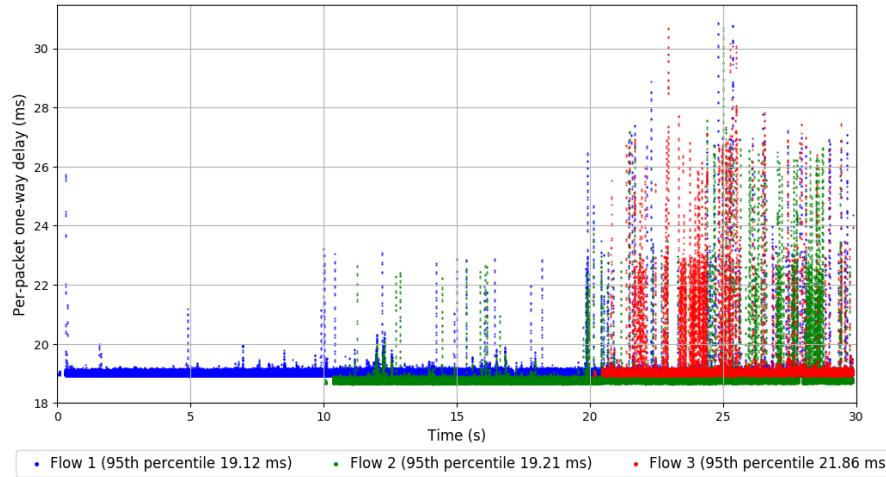
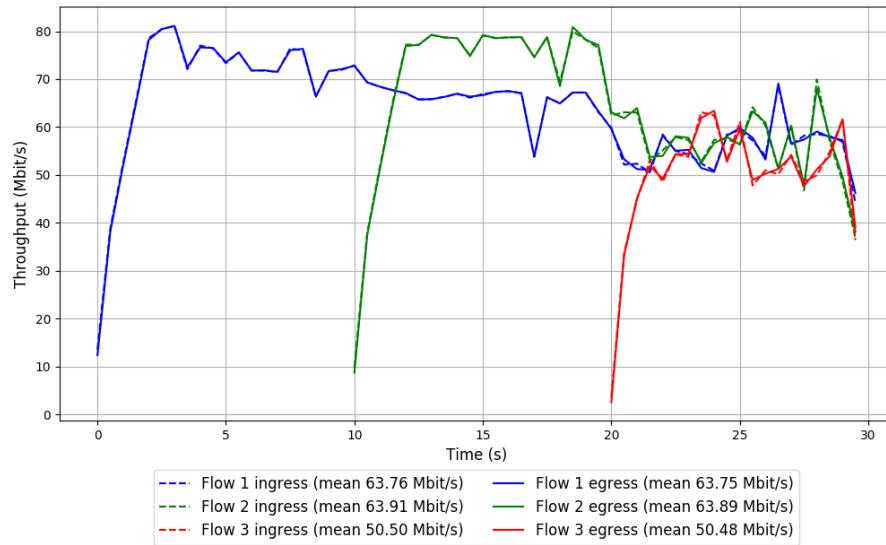


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-22 01:55:52
End at: 2017-09-22 01:56:22
Local clock offset: -0.465 ms
Remote clock offset: -1.883 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.72 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 21.864 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

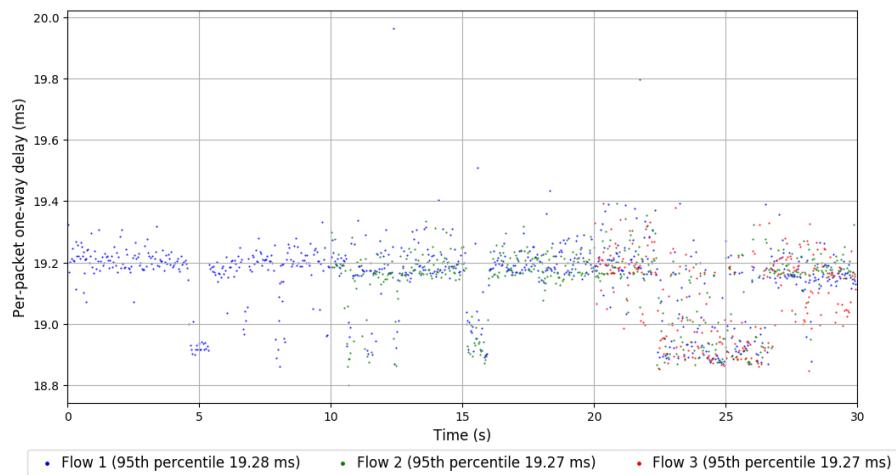
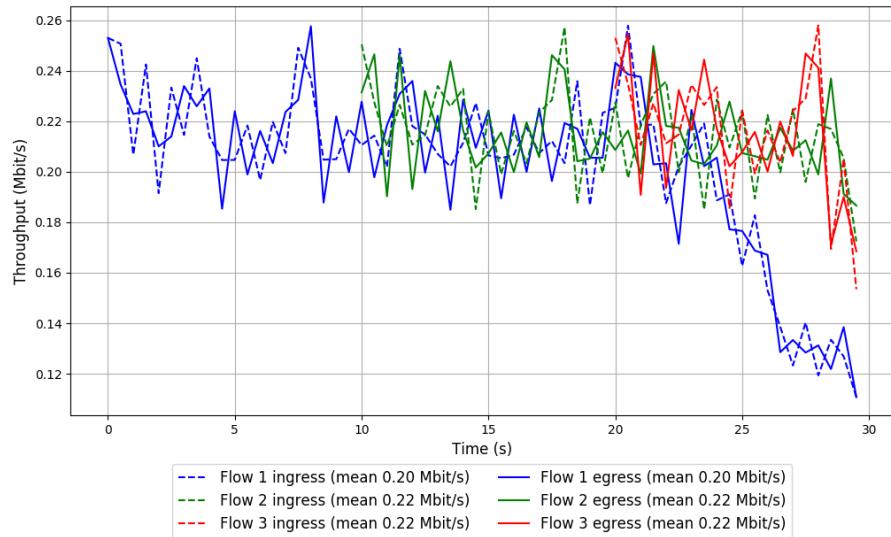


Run 1: Statistics of SCReAM

```
Start at: 2017-09-21 23:03:32
End at: 2017-09-21 23:04:02
Local clock offset: 0.241 ms
Remote clock offset: -1.419 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 19.279 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 19.284 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

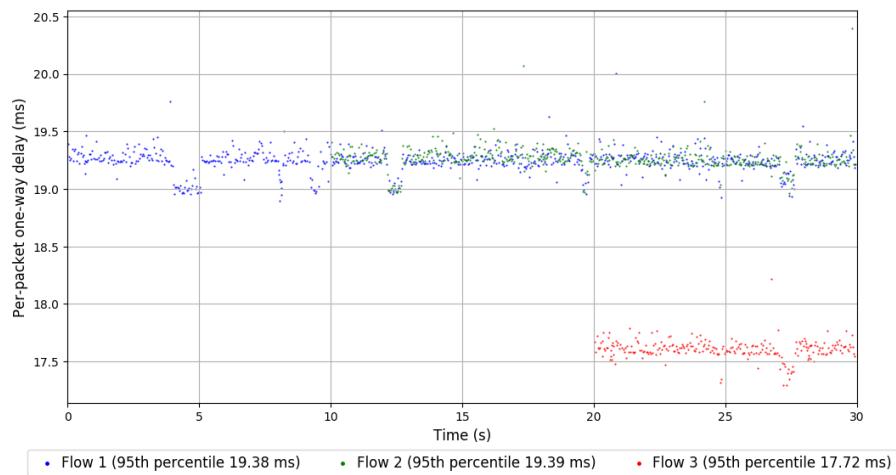
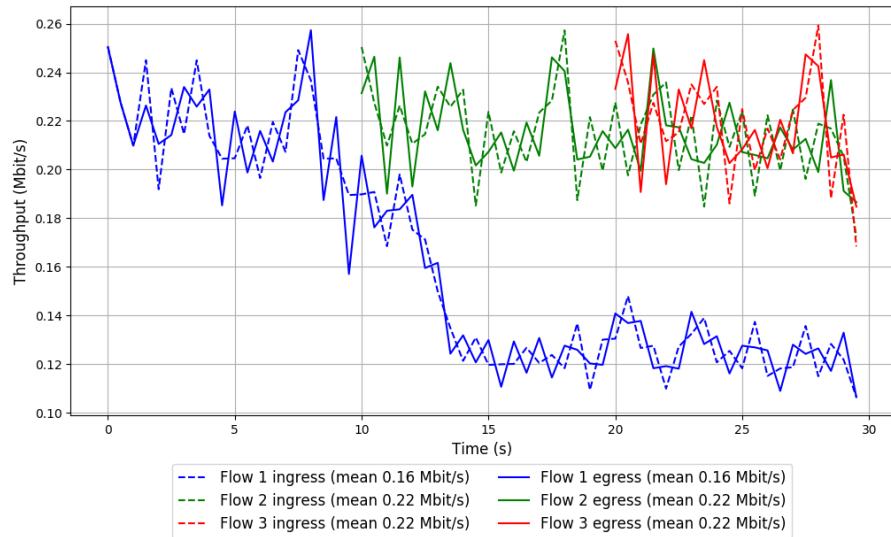


Run 2: Statistics of SCReAM

```
Start at: 2017-09-21 23:23:18
End at: 2017-09-21 23:23:48
Local clock offset: 0.102 ms
Remote clock offset: -1.922 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.724 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

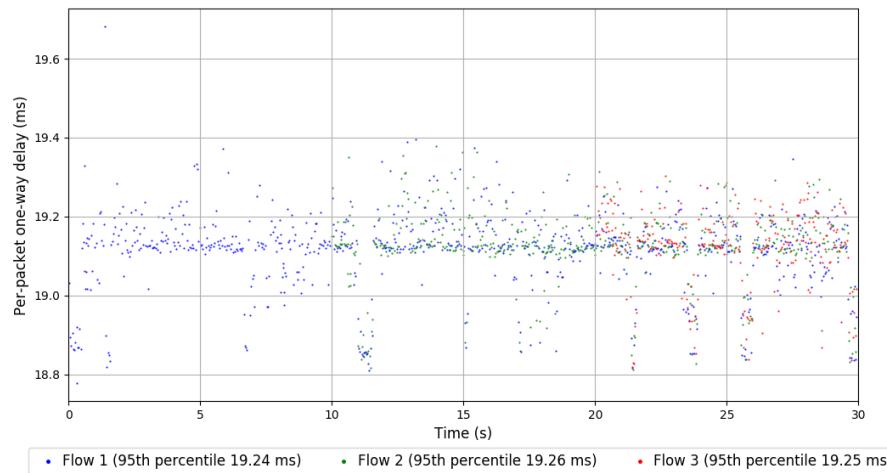
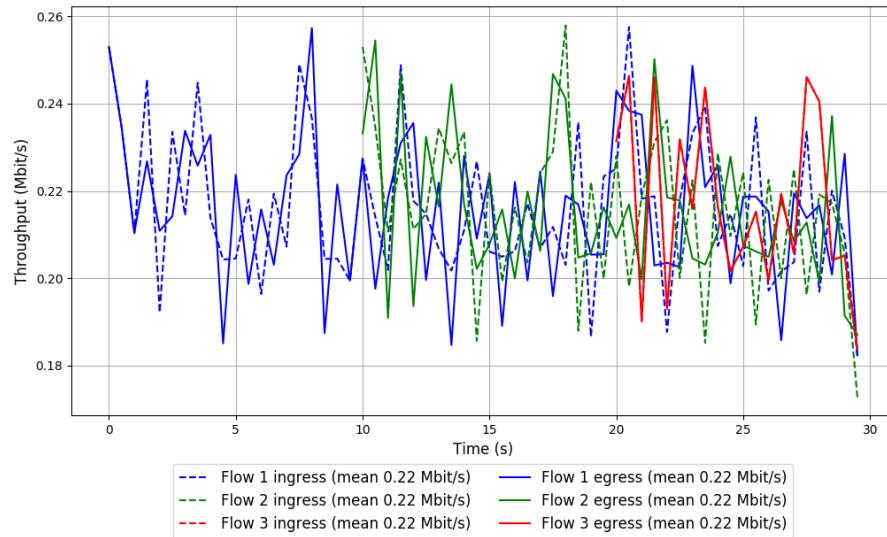


Run 3: Statistics of SCReAM

```
Start at: 2017-09-21 23:42:58
End at: 2017-09-21 23:43:28
Local clock offset: 0.217 ms
Remote clock offset: -2.011 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

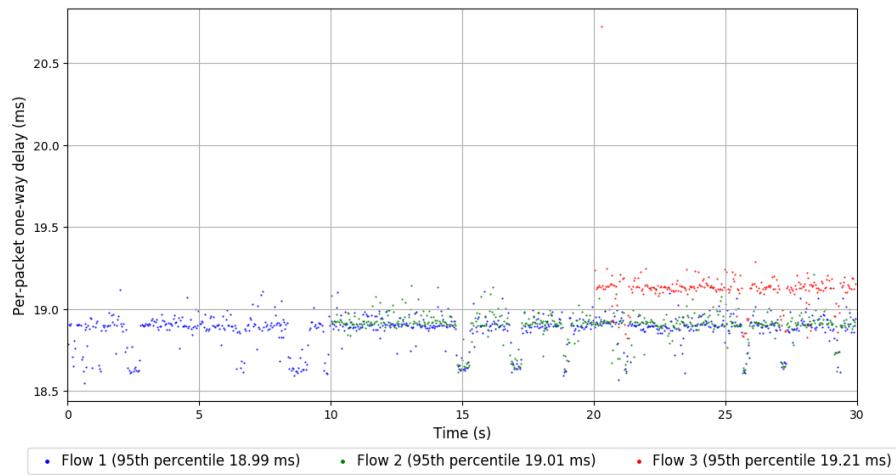
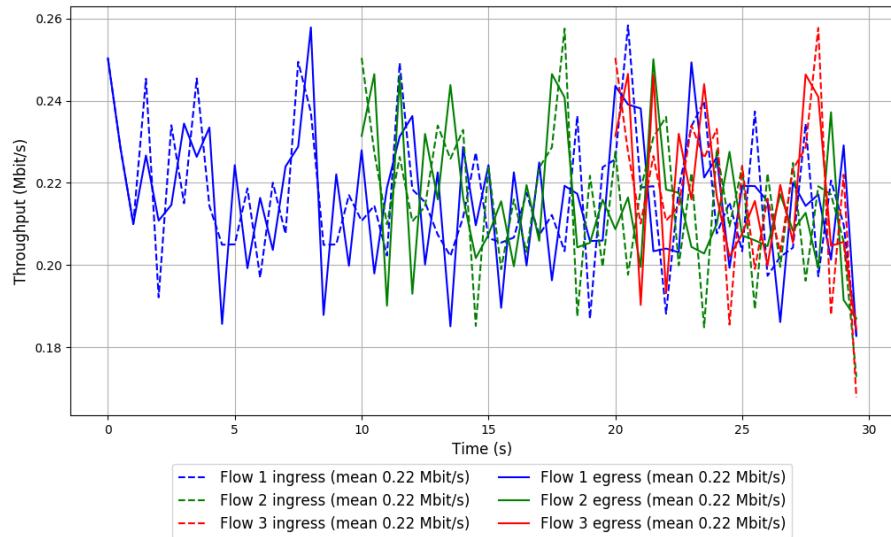


Run 4: Statistics of SCReAM

```
Start at: 2017-09-22 00:03:10
End at: 2017-09-22 00:03:40
Local clock offset: 0.354 ms
Remote clock offset: -1.925 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

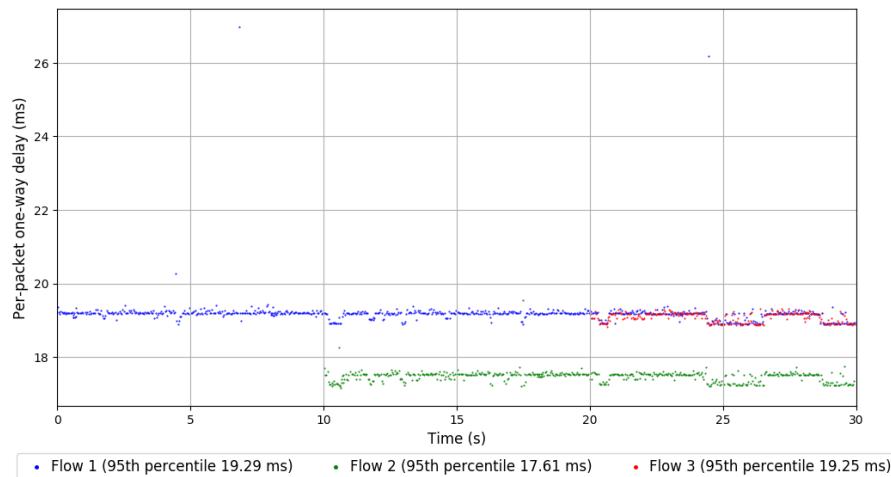
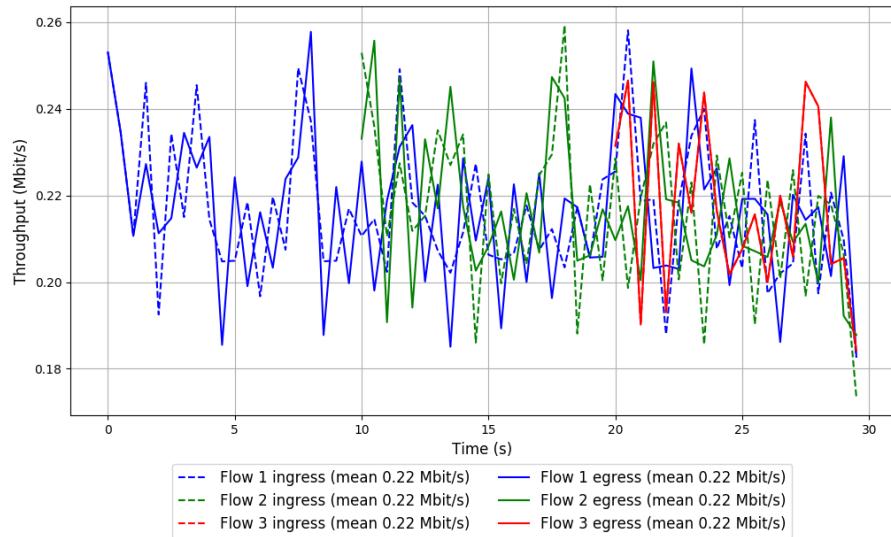


Run 5: Statistics of SCReAM

```
Start at: 2017-09-22 00:23:15
End at: 2017-09-22 00:23:45
Local clock offset: 0.45 ms
Remote clock offset: -1.828 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

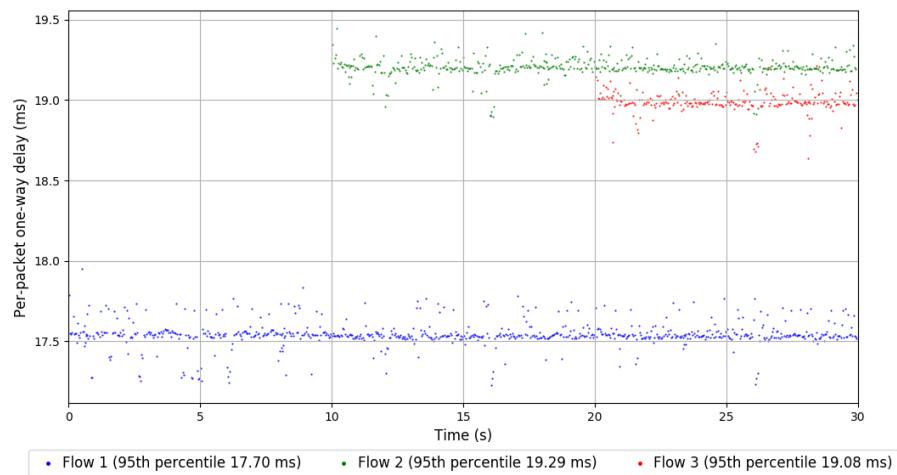
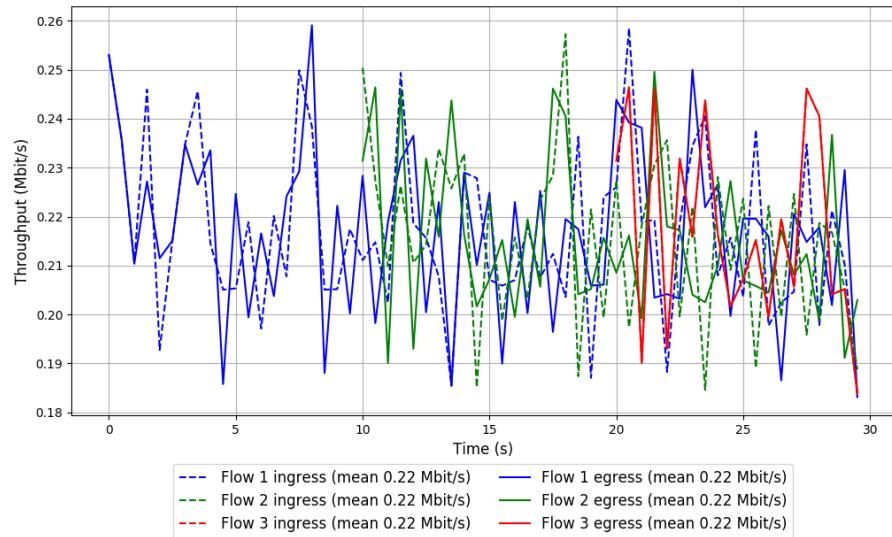


Run 6: Statistics of SCReAM

```
Start at: 2017-09-22 00:43:44
End at: 2017-09-22 00:44:14
Local clock offset: 0.164 ms
Remote clock offset: -1.724 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.082 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

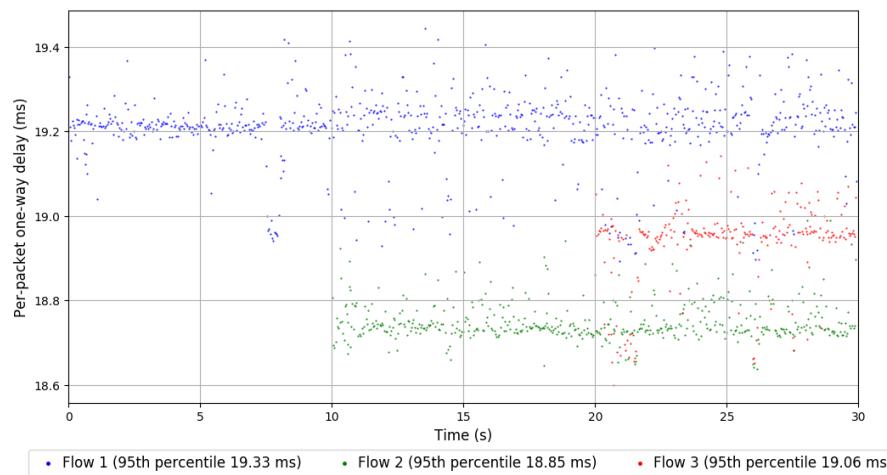
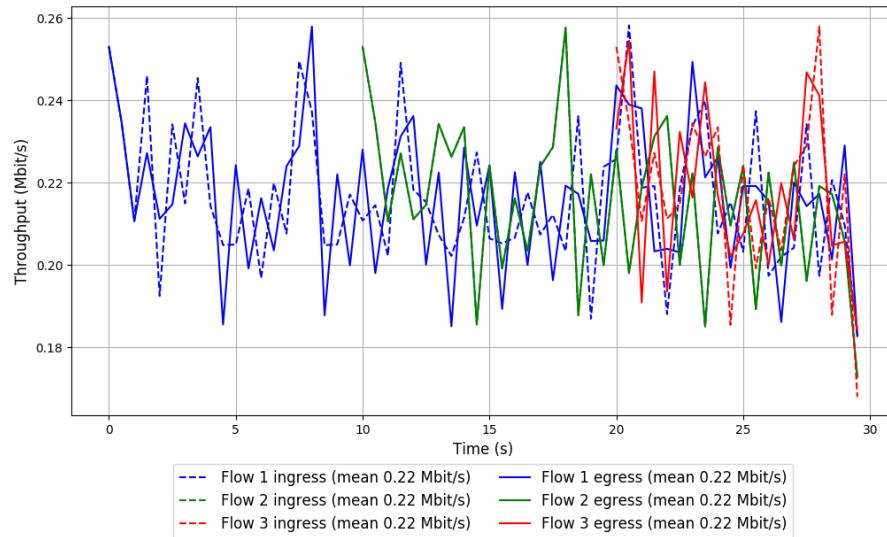


Run 7: Statistics of SCReAM

```
Start at: 2017-09-22 01:04:04
End at: 2017-09-22 01:04:34
Local clock offset: -0.12 ms
Remote clock offset: -1.789 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

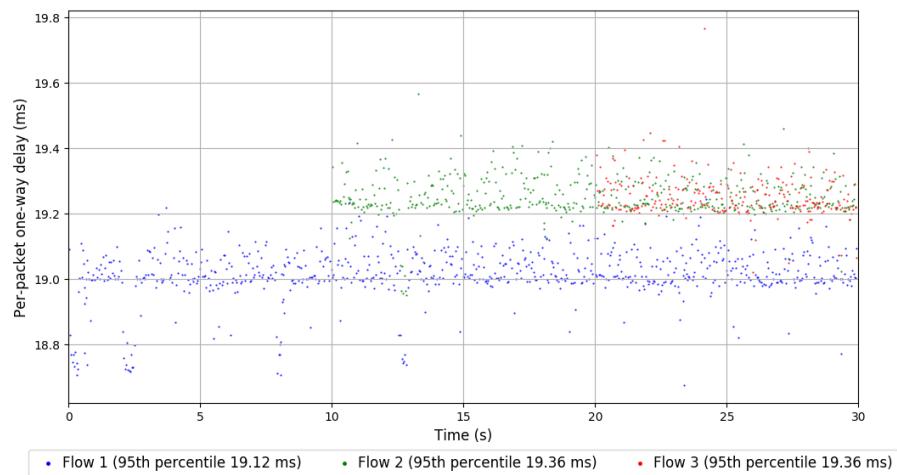
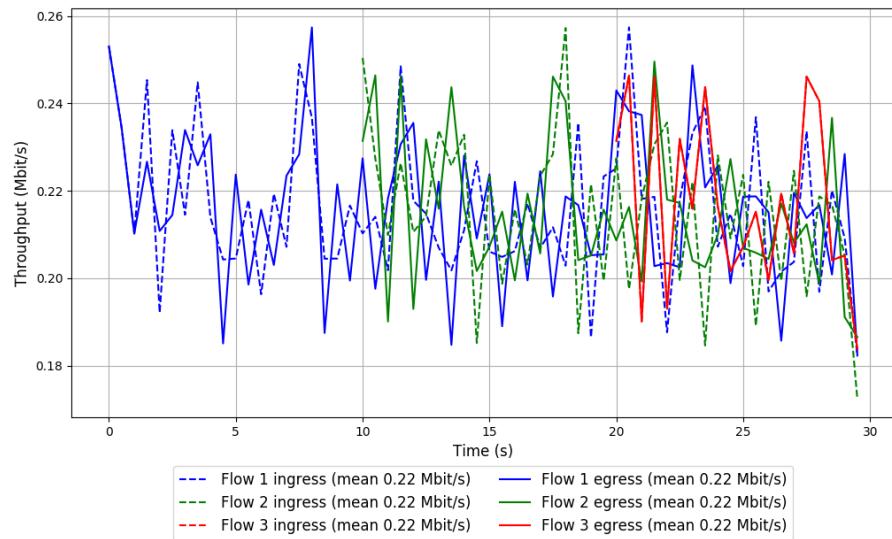


Run 8: Statistics of SCReAM

```
Start at: 2017-09-22 01:24:14
End at: 2017-09-22 01:24:44
Local clock offset: -0.432 ms
Remote clock offset: -1.929 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

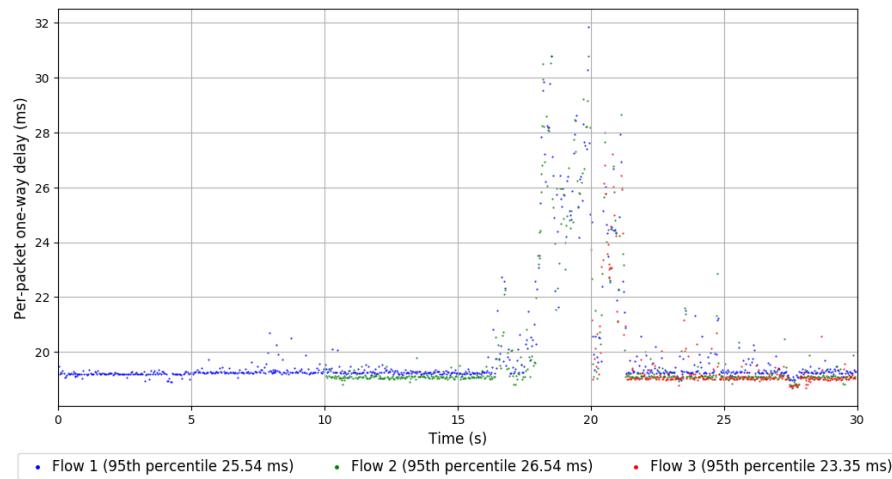
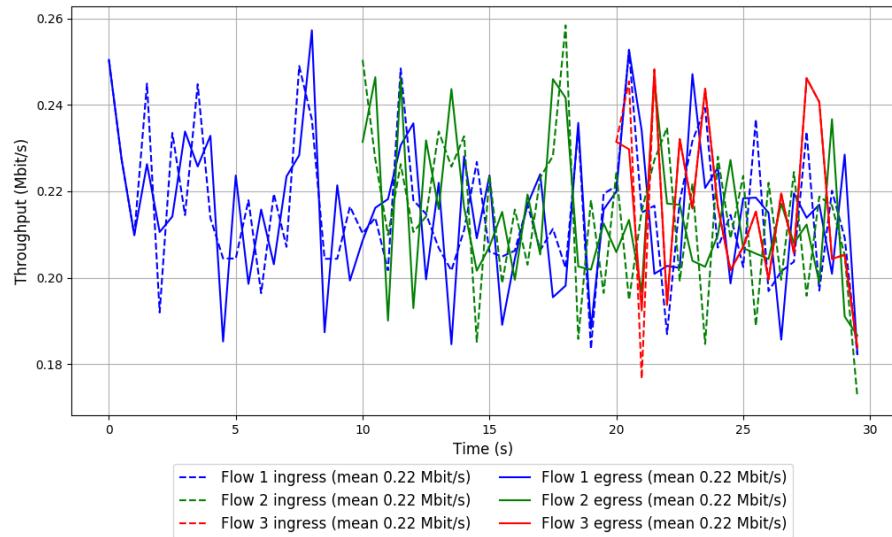


Run 9: Statistics of SCReAM

```
Start at: 2017-09-22 01:44:23
End at: 2017-09-22 01:44:53
Local clock offset: -0.355 ms
Remote clock offset: -1.873 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 25.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.536 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.354 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

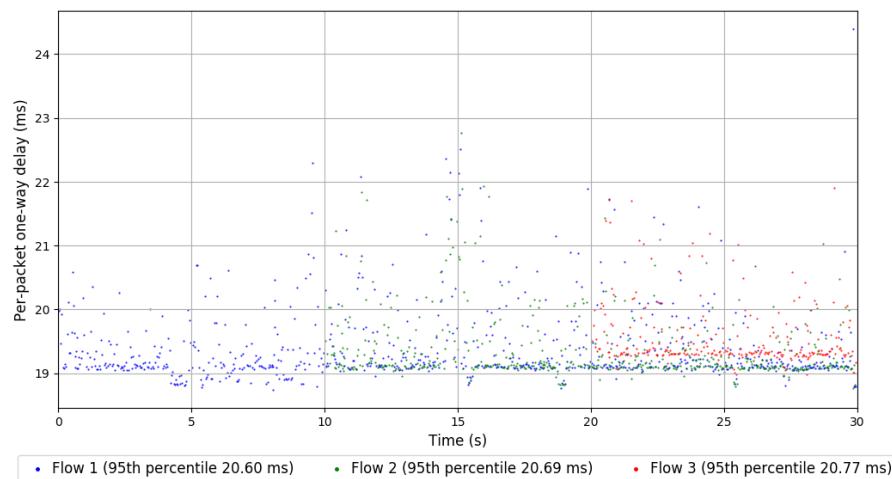
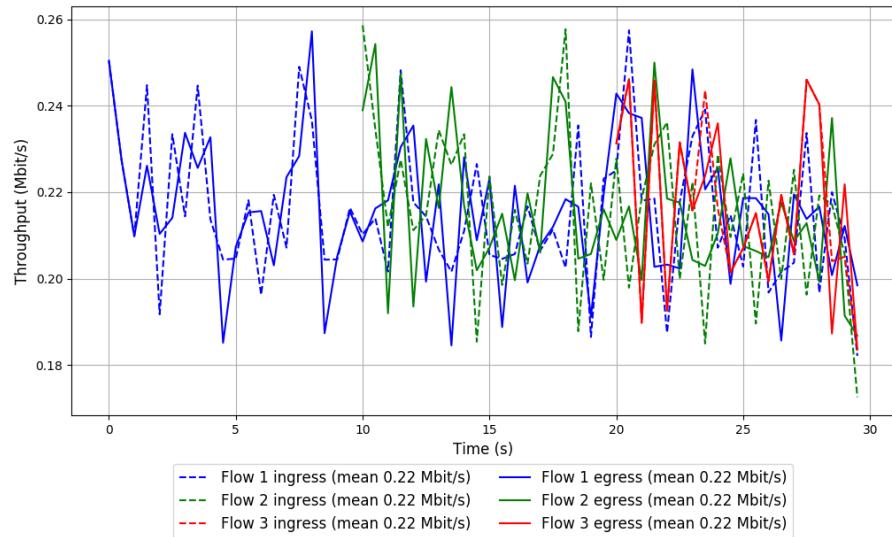


Run 10: Statistics of SCReAM

```
Start at: 2017-09-22 02:04:49
End at: 2017-09-22 02:05:19
Local clock offset: -0.453 ms
Remote clock offset: -1.773 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.691 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.767 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

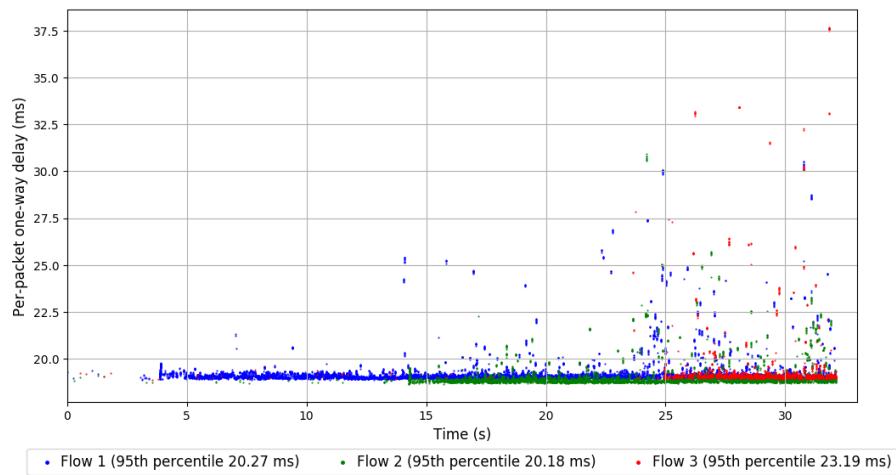
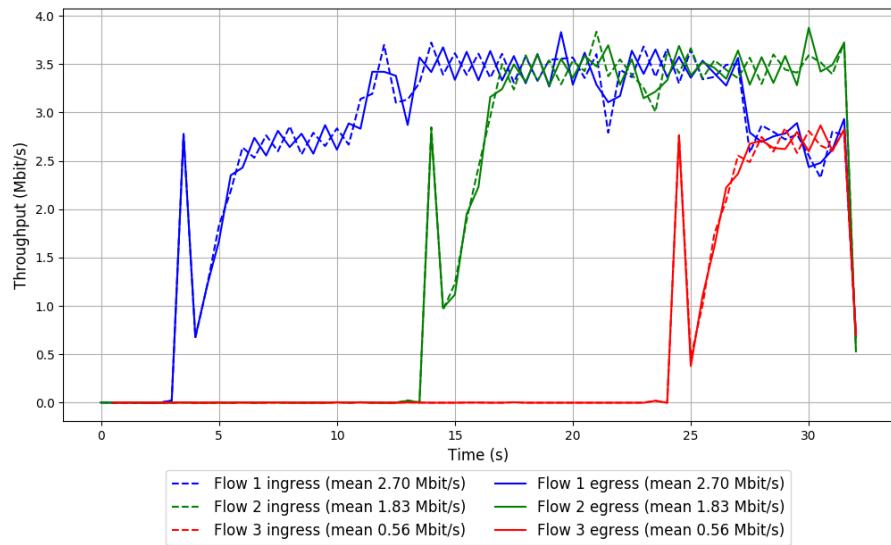


Run 1: Statistics of WebRTC media

```
Start at: 2017-09-21 23:04:43
End at: 2017-09-21 23:05:13
Local clock offset: 0.146 ms
Remote clock offset: -1.467 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 20.346 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 20.265 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 20.177 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 23.193 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

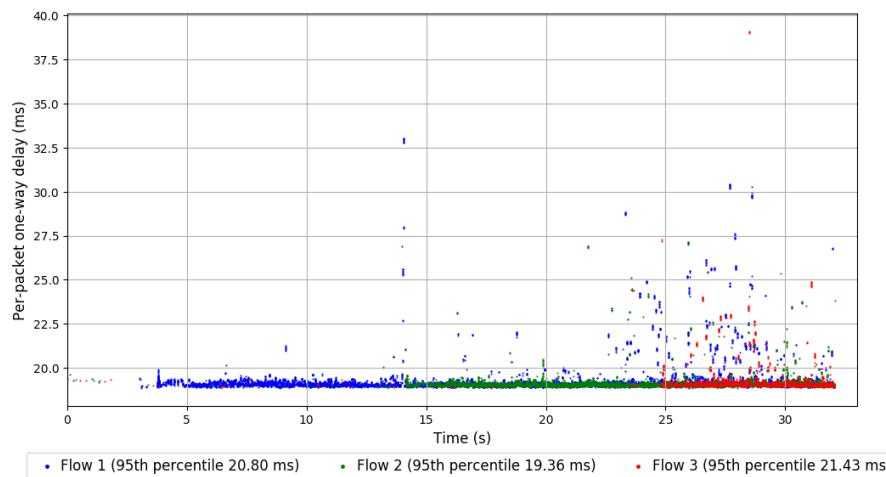
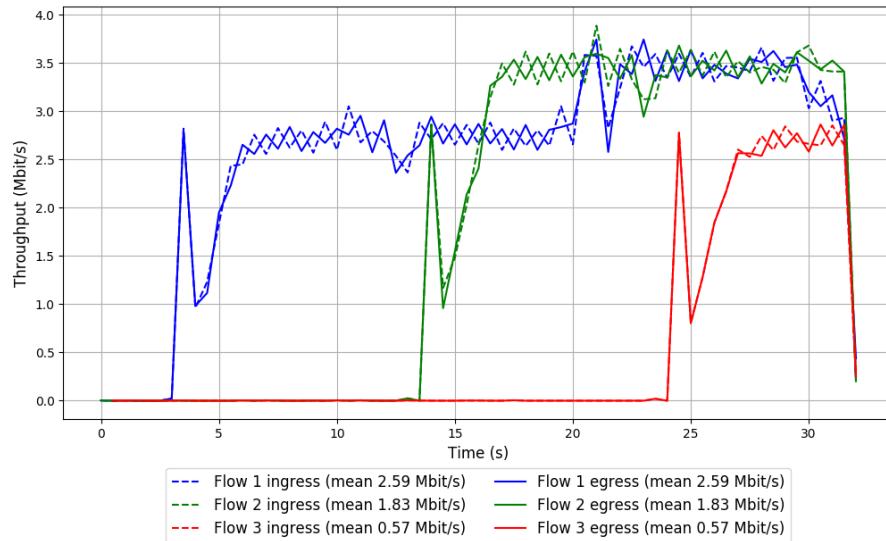


Run 2: Statistics of WebRTC media

```
Start at: 2017-09-21 23:24:28
End at: 2017-09-21 23:24:58
Local clock offset: 0.101 ms
Remote clock offset: -1.971 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 20.804 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21.434 ms
Loss rate: 0.05%
```

Run 2: Report of WebRTC media — Data Link

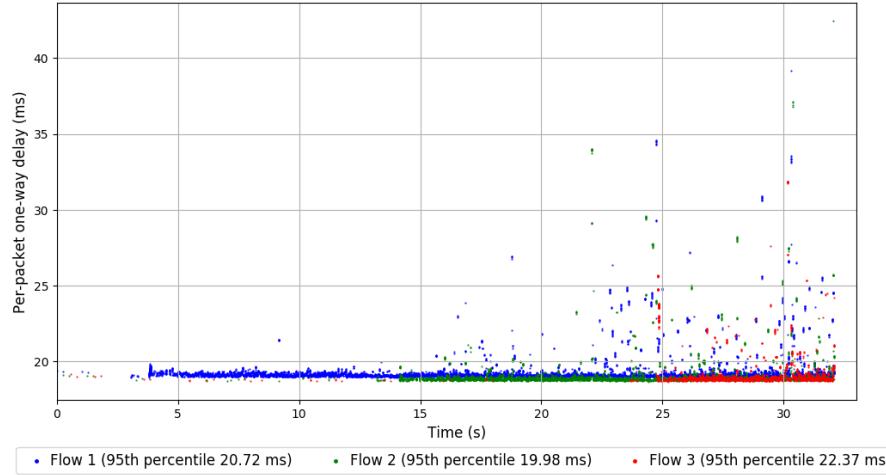
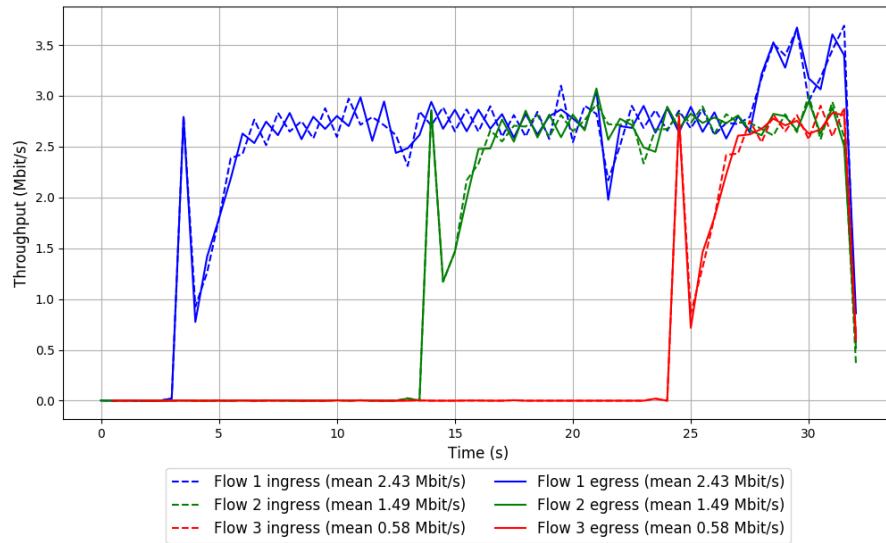


Run 3: Statistics of WebRTC media

```
Start at: 2017-09-21 23:44:09
End at: 2017-09-21 23:44:39
Local clock offset: 0.115 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 20.613 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 20.721 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 19.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 22.371 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

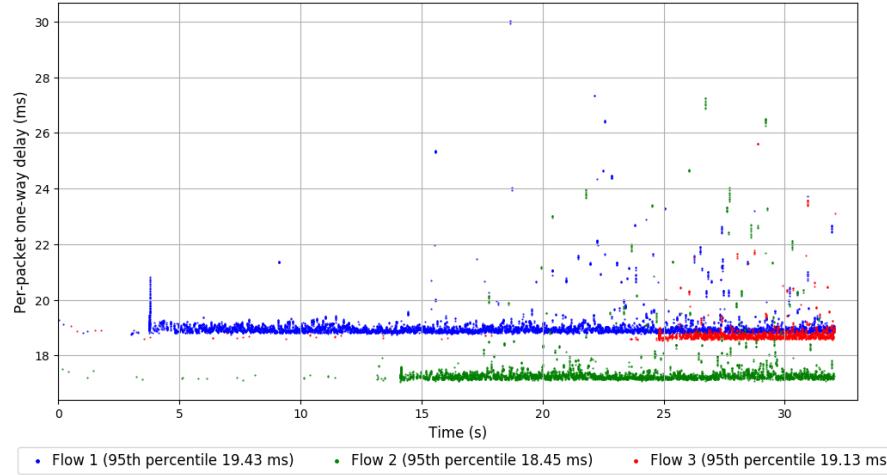
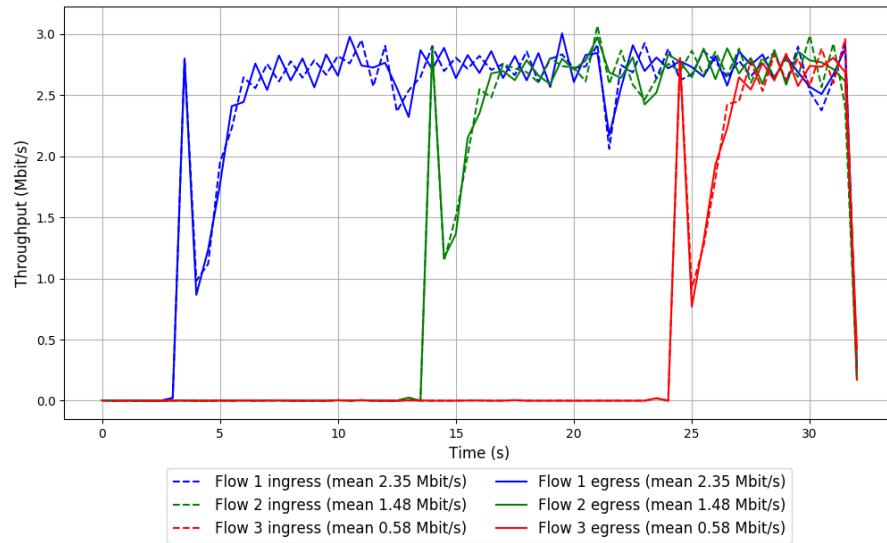


Run 4: Statistics of WebRTC media

```
Start at: 2017-09-22 00:04:21
End at: 2017-09-22 00:04:51
Local clock offset: 0.366 ms
Remote clock offset: -1.926 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 19.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 18.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

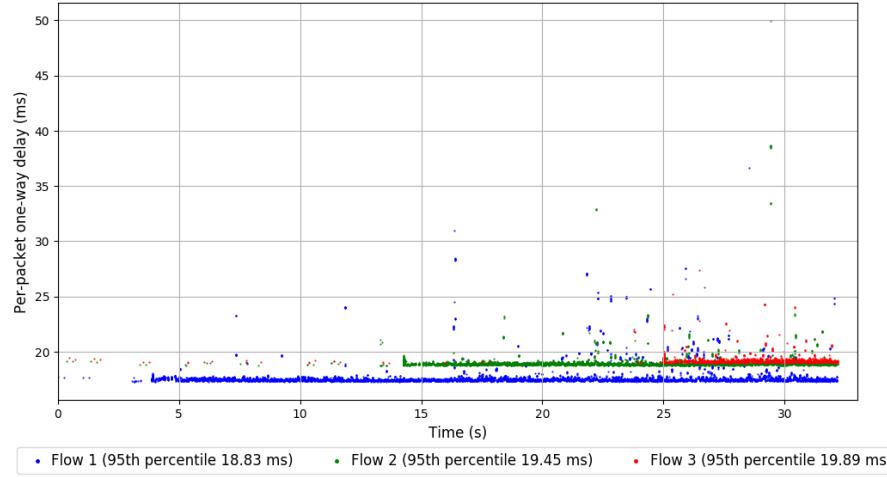
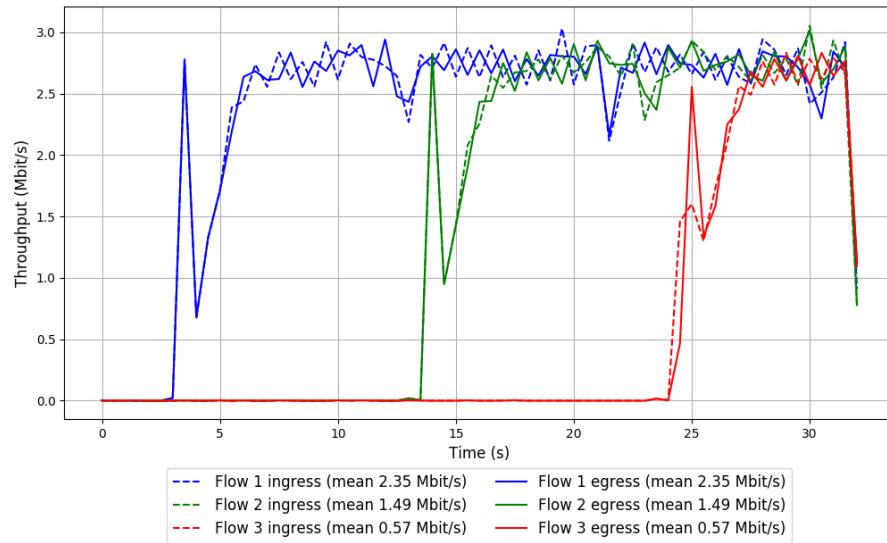


Run 5: Statistics of WebRTC media

```
Start at: 2017-09-22 00:24:26
End at: 2017-09-22 00:24:56
Local clock offset: 0.328 ms
Remote clock offset: -1.784 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 19.894 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

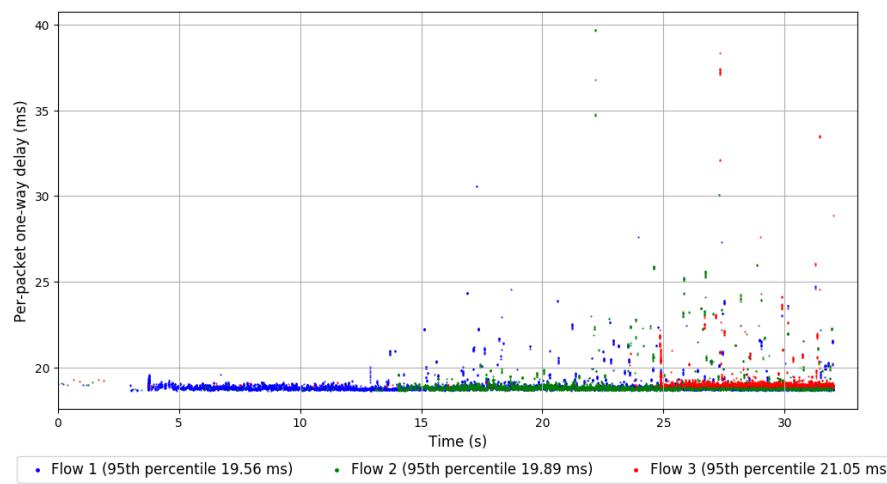
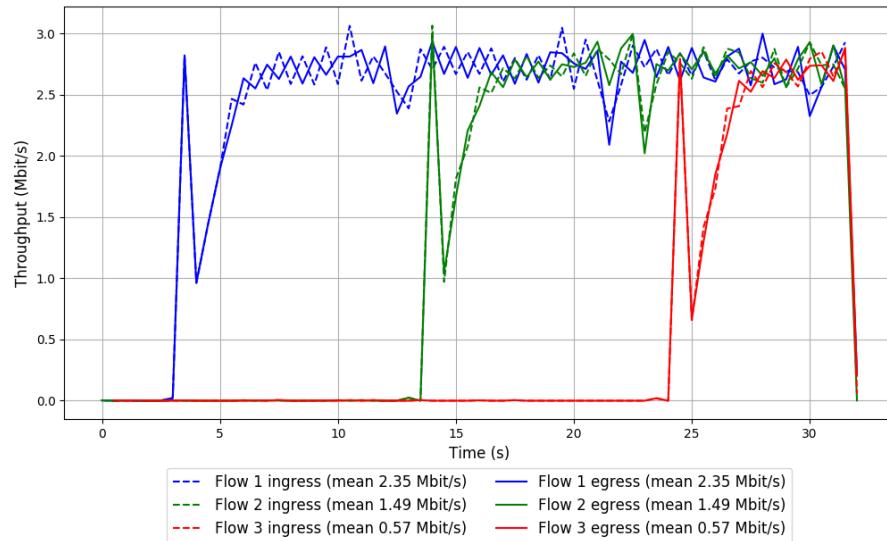


Run 6: Statistics of WebRTC media

```
Start at: 2017-09-22 00:44:55
End at: 2017-09-22 00:45:25
Local clock offset: 0.047 ms
Remote clock offset: -1.79 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 19.896 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 19.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 19.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21.051 ms
Loss rate: 0.11%
```

Run 6: Report of WebRTC media — Data Link

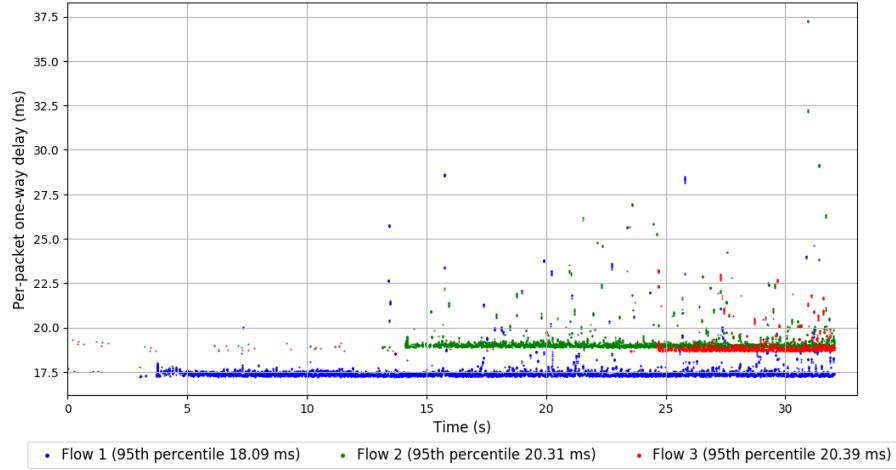
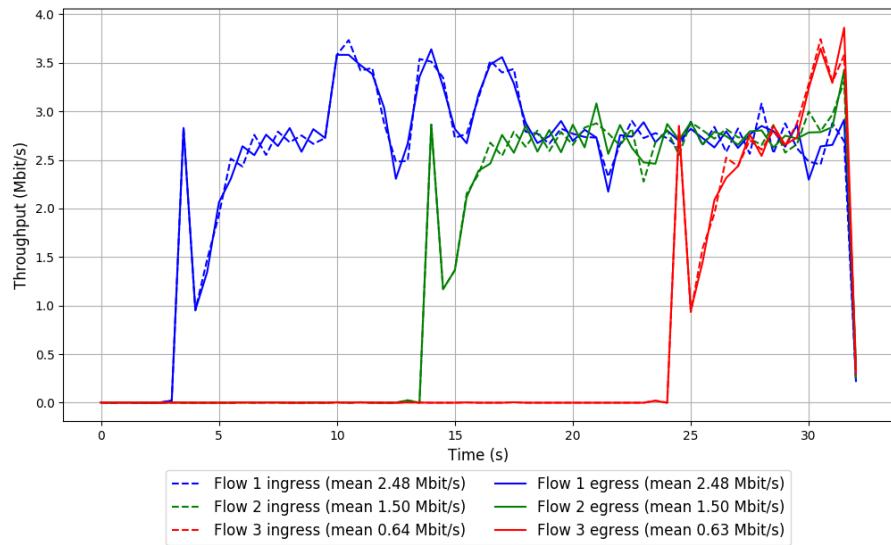


Run 7: Statistics of WebRTC media

```
Start at: 2017-09-22 01:05:15
End at: 2017-09-22 01:05:45
Local clock offset: -0.248 ms
Remote clock offset: -1.87 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 19.498 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 18.091 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 20.308 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 0.43%
```

Run 7: Report of WebRTC media — Data Link

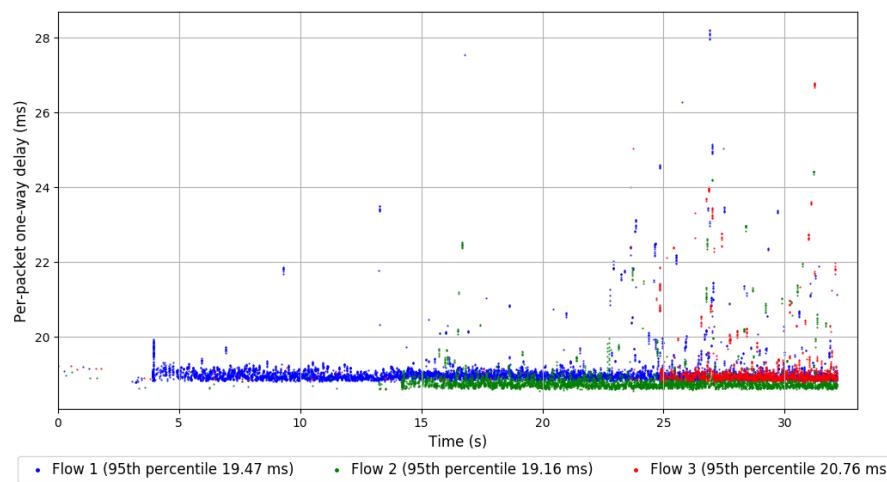
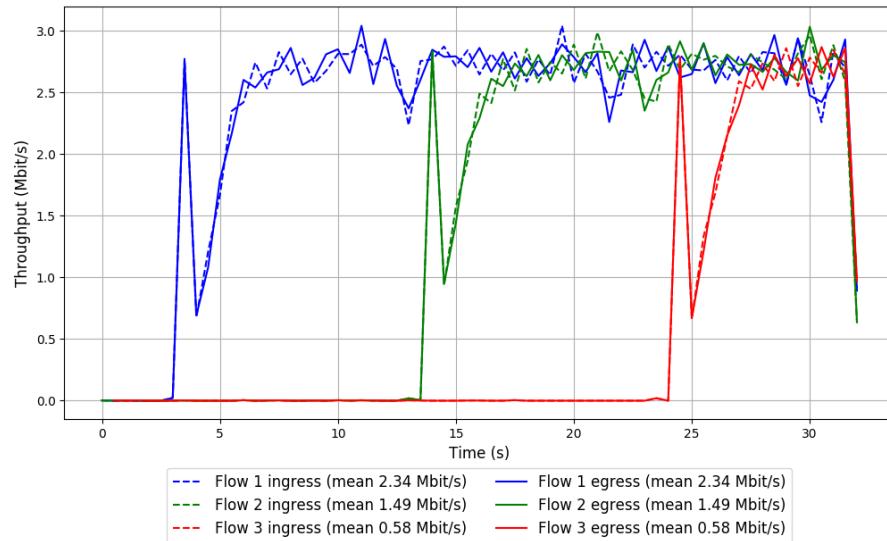


Run 8: Statistics of WebRTC media

```
Start at: 2017-09-22 01:25:25
End at: 2017-09-22 01:25:55
Local clock offset: -0.338 ms
Remote clock offset: -1.929 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 20.757 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

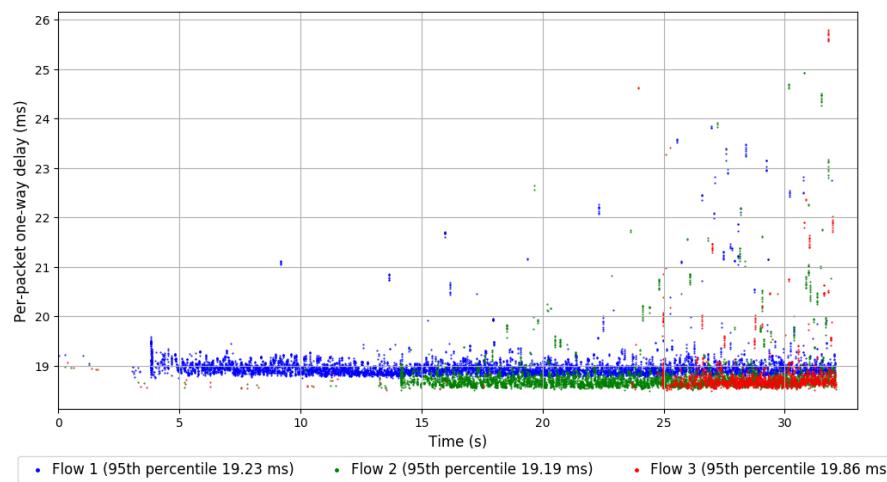
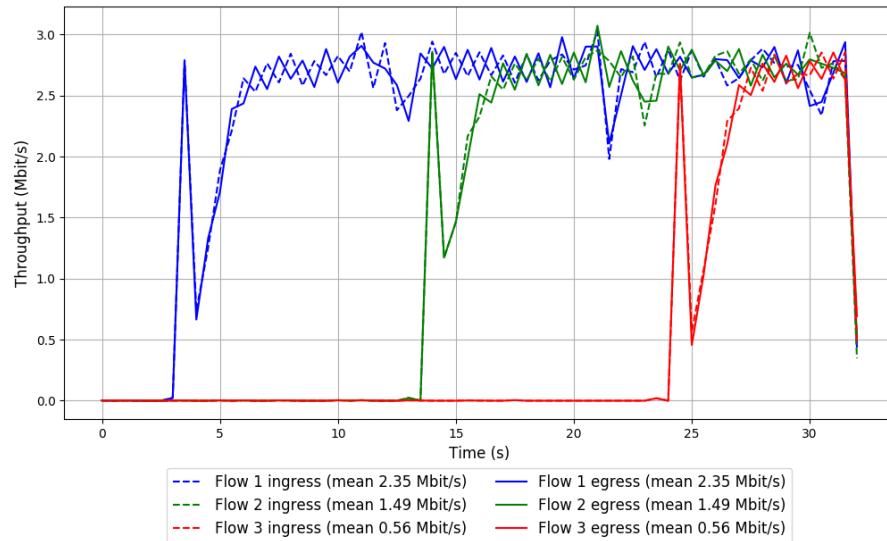


Run 9: Statistics of WebRTC media

```
Start at: 2017-09-22 01:45:33
End at: 2017-09-22 01:46:03
Local clock offset: -0.348 ms
Remote clock offset: -1.936 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.857 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

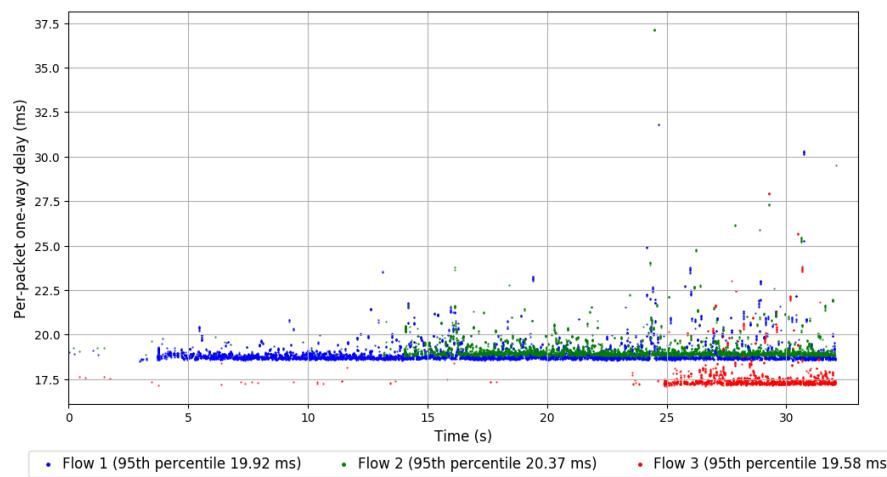
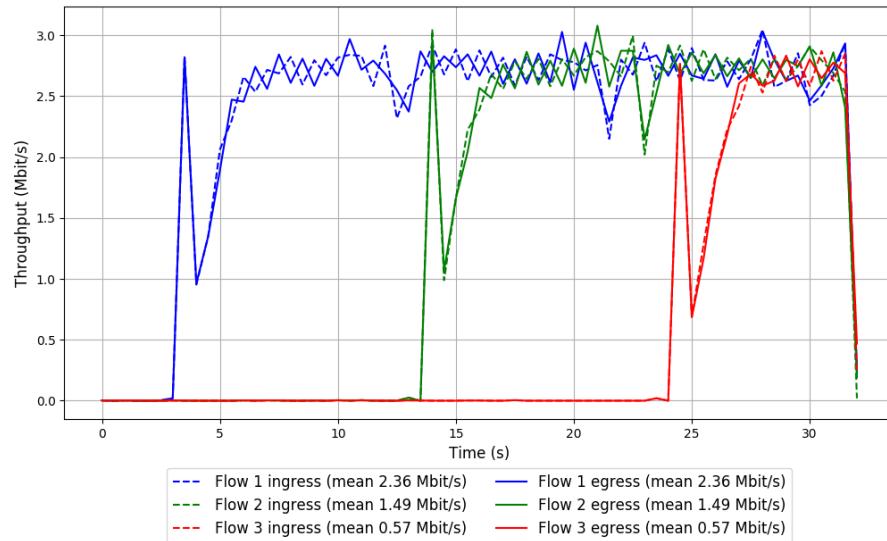


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-09-22 02:06:00
End at: 2017-09-22 02:06:30
Local clock offset: -0.35 ms
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 19.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

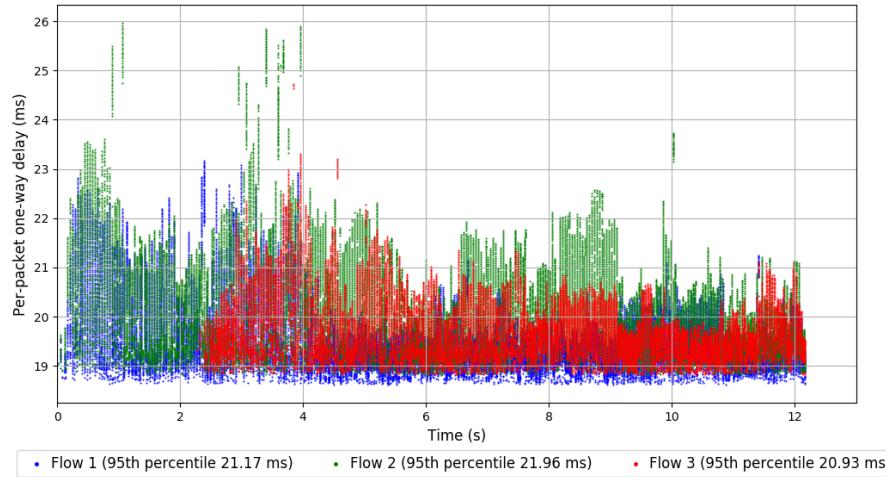
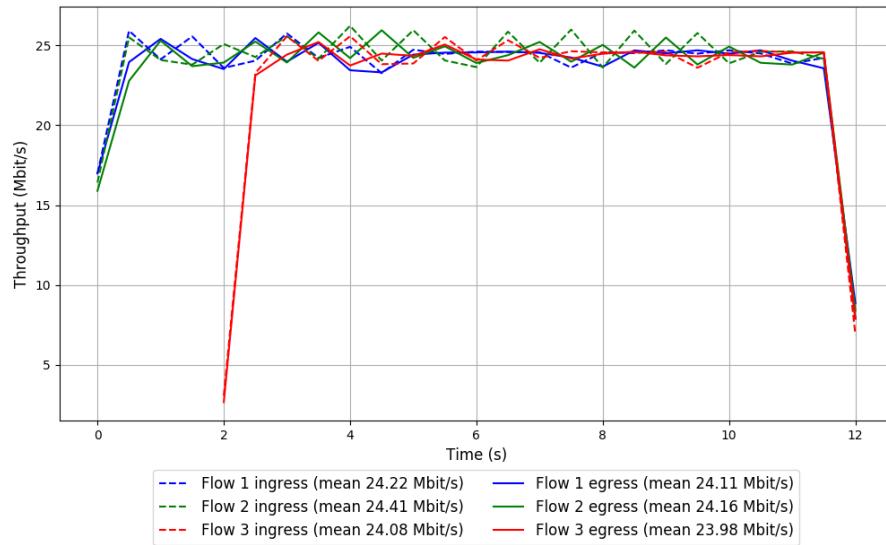
Start at: 2017-09-21 22:56:13

End at: 2017-09-21 22:56:43

Local clock offset: 0.288 ms

Remote clock offset: -1.236 ms

Run 1: Report of Sprout — Data Link

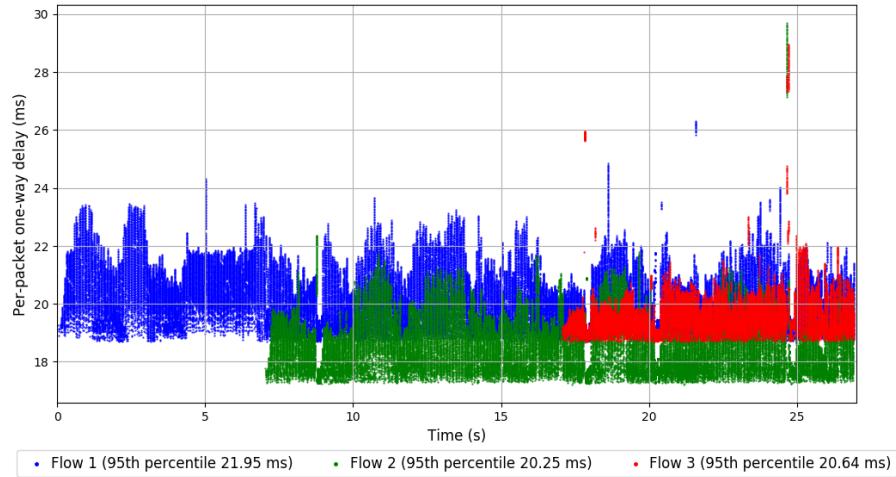
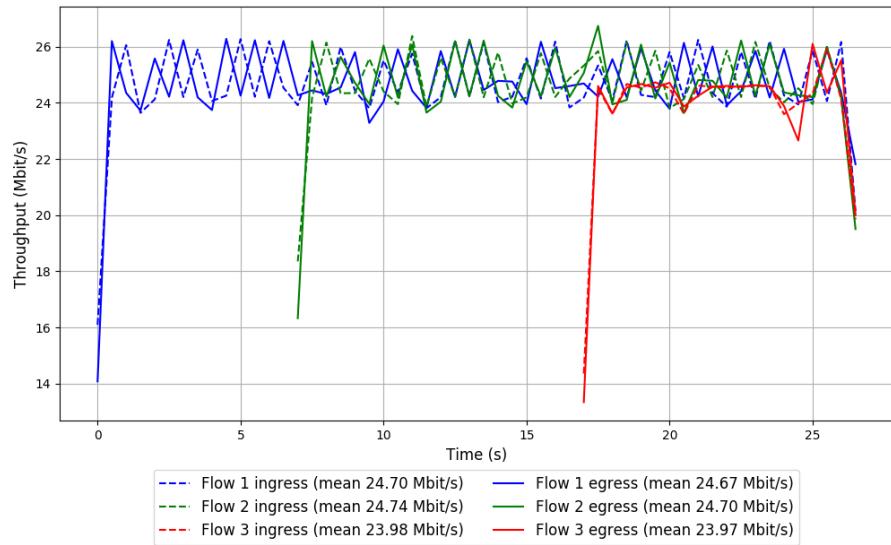


Run 2: Statistics of Sprout

```
Start at: 2017-09-21 23:15:53
End at: 2017-09-21 23:16:23
Local clock offset: 0.221 ms
Remote clock offset: -1.697 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 21.560 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.951 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 20.252 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 20.644 ms
Loss rate: 0.06%
```

Run 2: Report of Sprout — Data Link

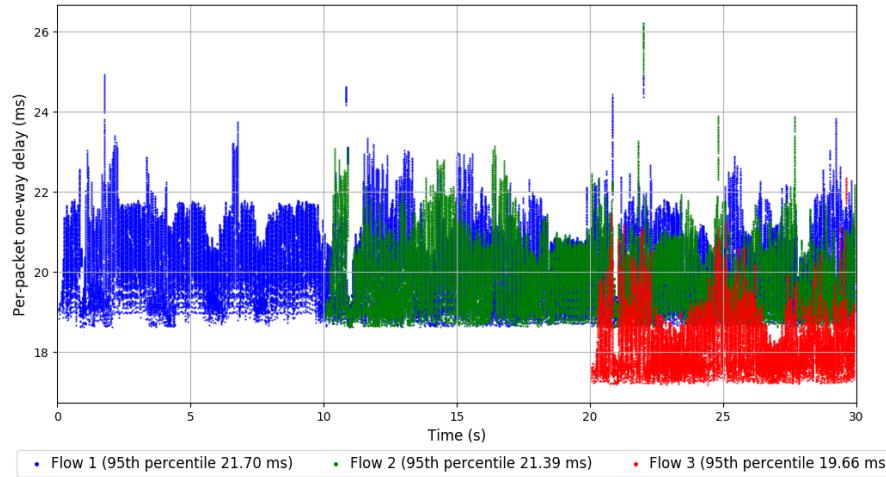
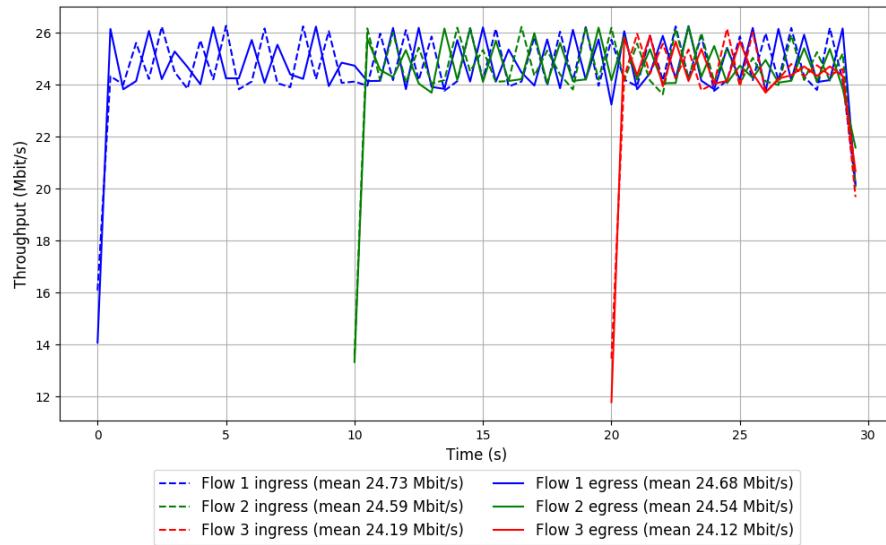


Run 3: Statistics of Sprout

```
Start at: 2017-09-21 23:35:34
End at: 2017-09-21 23:36:04
Local clock offset: 0.192 ms
Remote clock offset: -2.0 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 21.529 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.697 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.391 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.29%
```

Run 3: Report of Sprout — Data Link

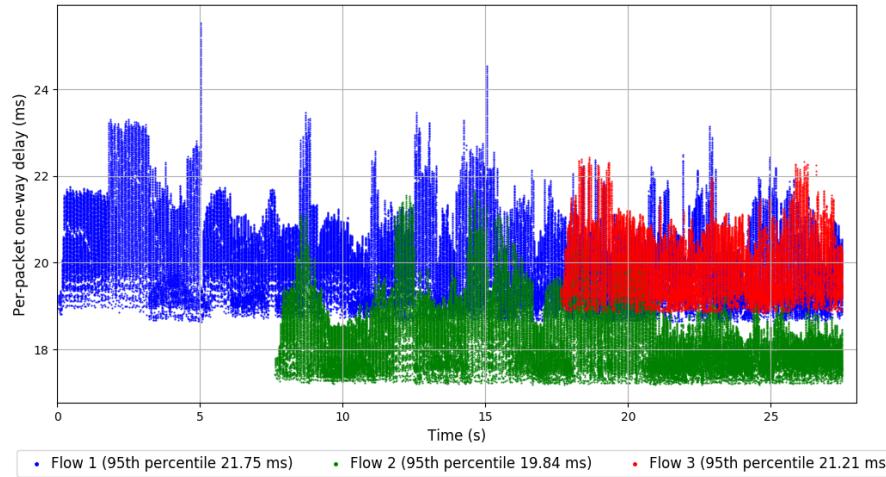
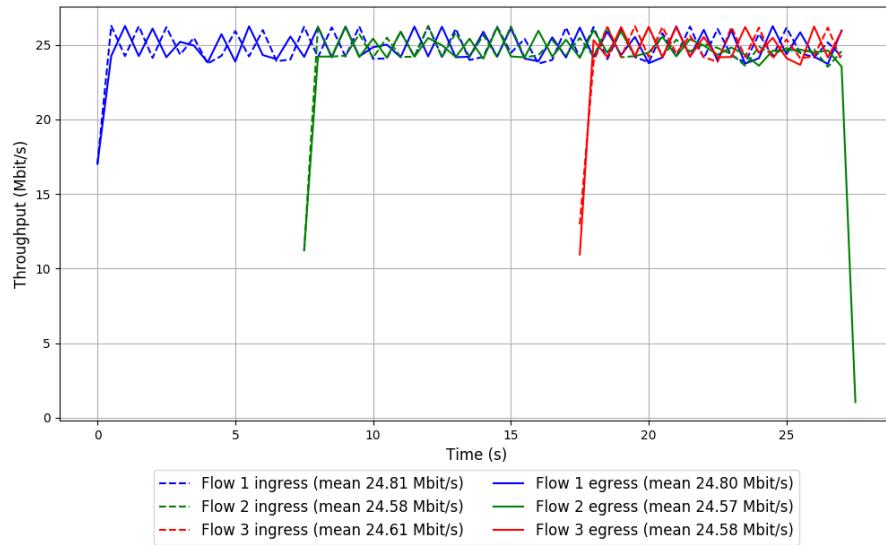


Run 4: Statistics of Sprout

```
Start at: 2017-09-21 23:55:31
End at: 2017-09-21 23:56:01
Local clock offset: 0.281 ms
Remote clock offset: -1.938 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 21.377 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 21.747 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 19.838 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 21.212 ms
Loss rate: 0.11%
```

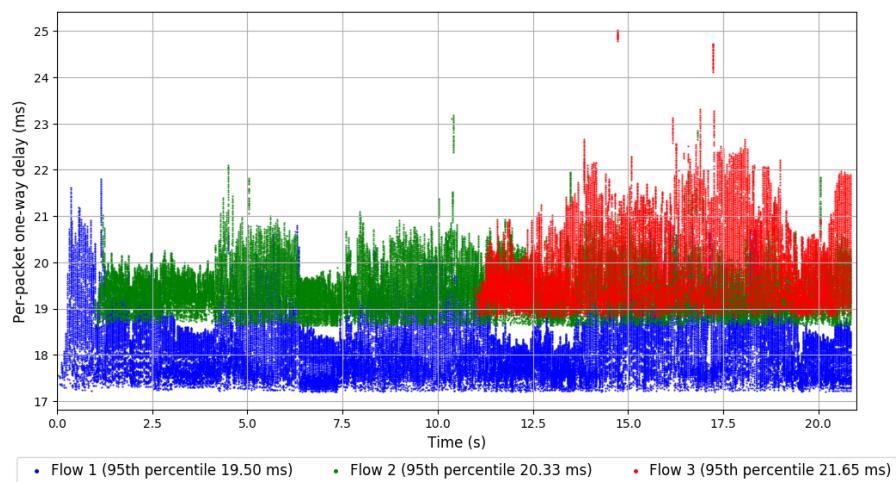
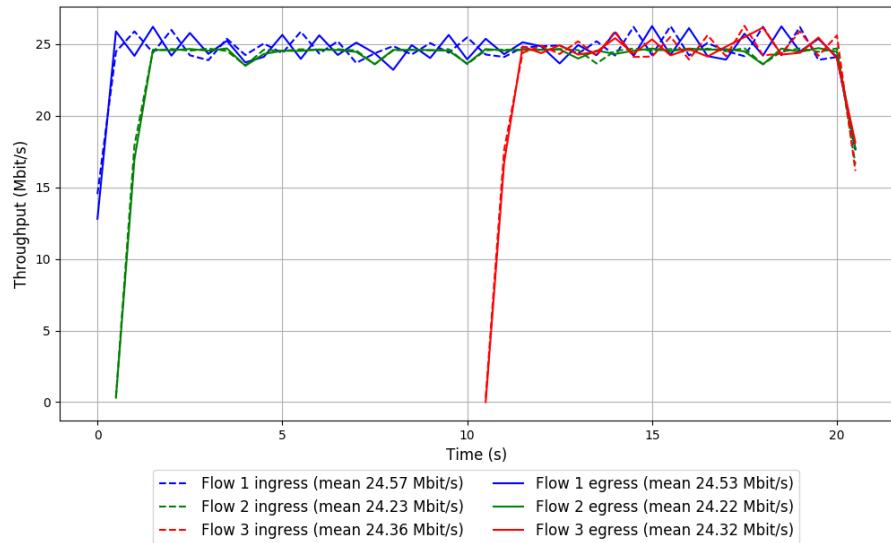
Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-22 00:15:37
End at: 2017-09-22 00:16:07
Local clock offset: 0.427 ms
Remote clock offset: -1.922 ms

Run 5: Report of Sprout — Data Link

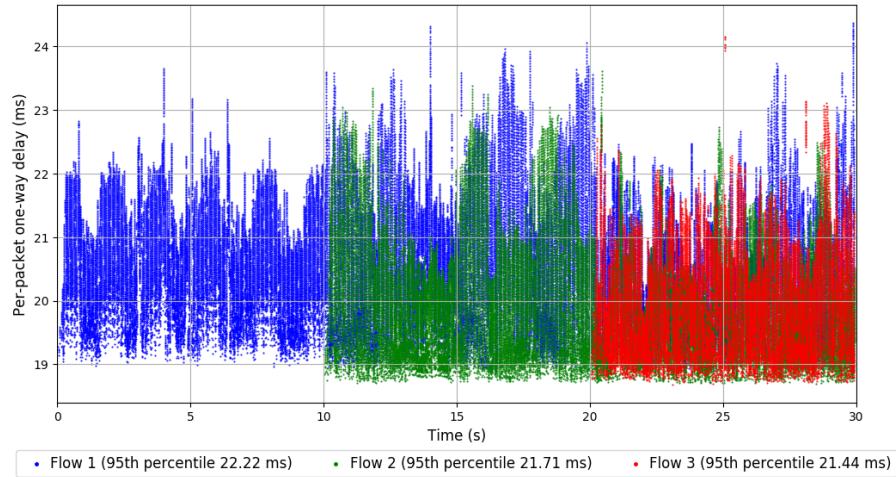
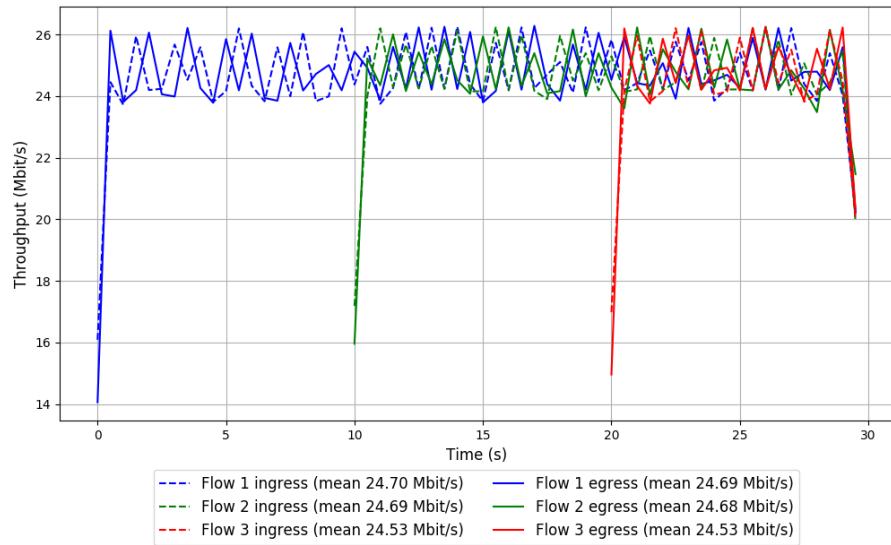


Run 6: Statistics of Sprout

```
Start at: 2017-09-22 00:36:05
End at: 2017-09-22 00:36:35
Local clock offset: 0.192 ms
Remote clock offset: -1.801 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 21.987 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.224 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.713 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 21.441 ms
Loss rate: 0.03%
```

Run 6: Report of Sprout — Data Link

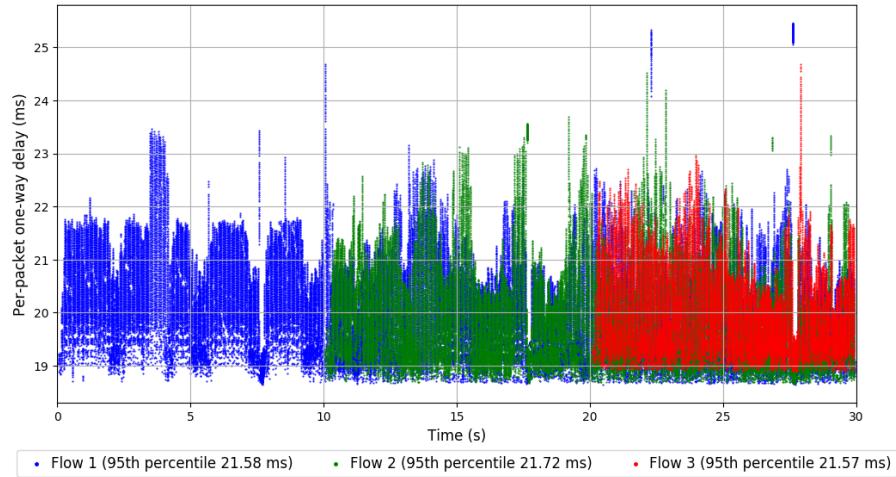
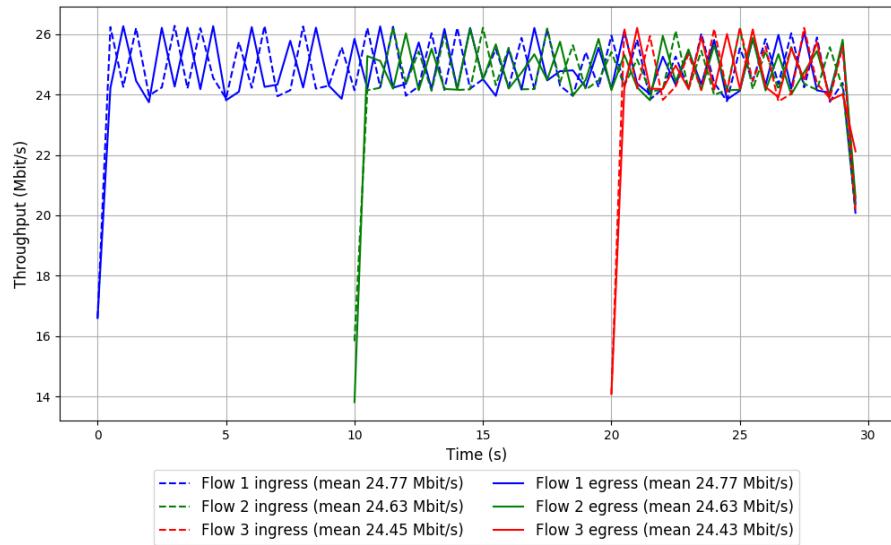


Run 7: Statistics of Sprout

```
Start at: 2017-09-22 00:56:22
End at: 2017-09-22 00:56:52
Local clock offset: -0.116 ms
Remote clock offset: -1.868 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 21.610 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 21.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 21.570 ms
Loss rate: 0.03%
```

Run 7: Report of Sprout — Data Link

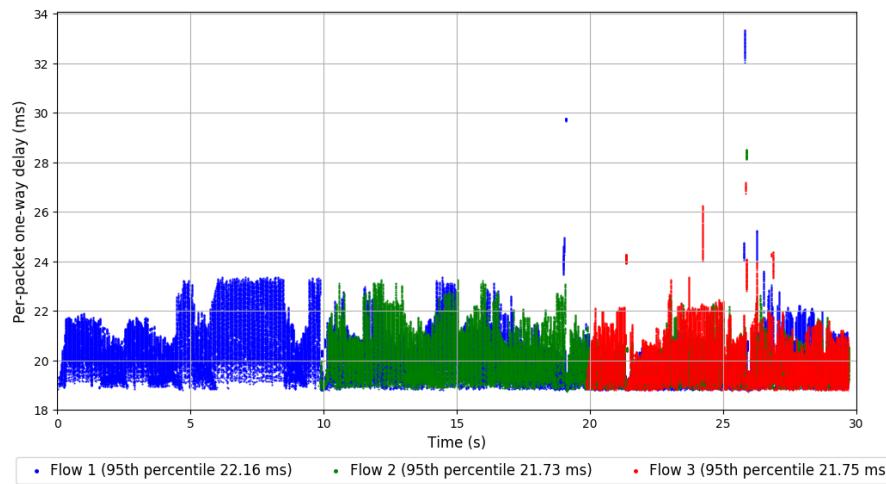
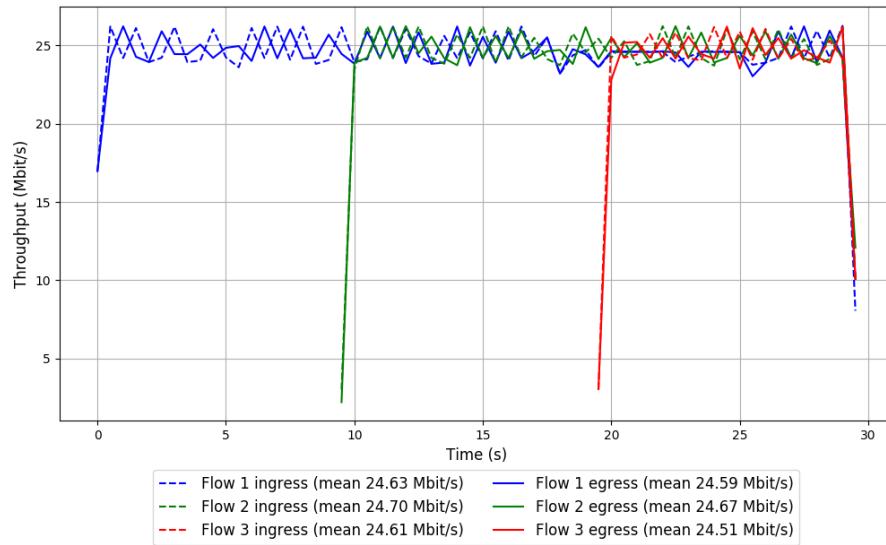


Run 8: Statistics of Sprout

```
Start at: 2017-09-22 01:16:40
End at: 2017-09-22 01:17:10
Local clock offset: -0.276 ms
Remote clock offset: -1.904 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 21.932 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 22.160 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.733 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.755 ms
Loss rate: 0.37%
```

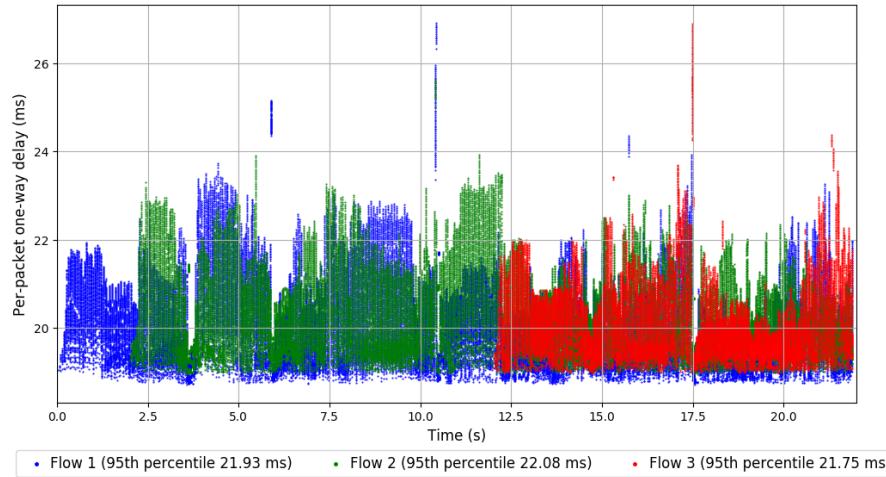
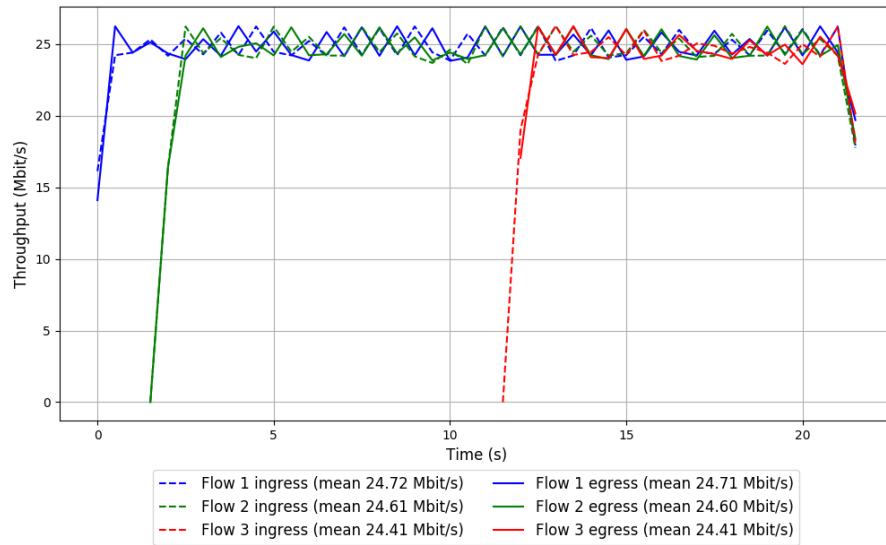
Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-22 01:36:44
End at: 2017-09-22 01:37:14
Local clock offset: -0.44 ms
Remote clock offset: -1.906 ms

Run 9: Report of Sprout — Data Link

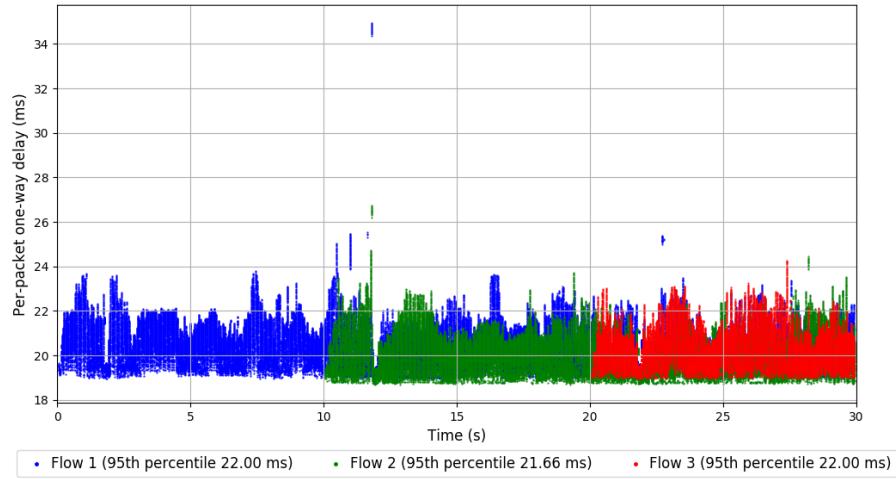
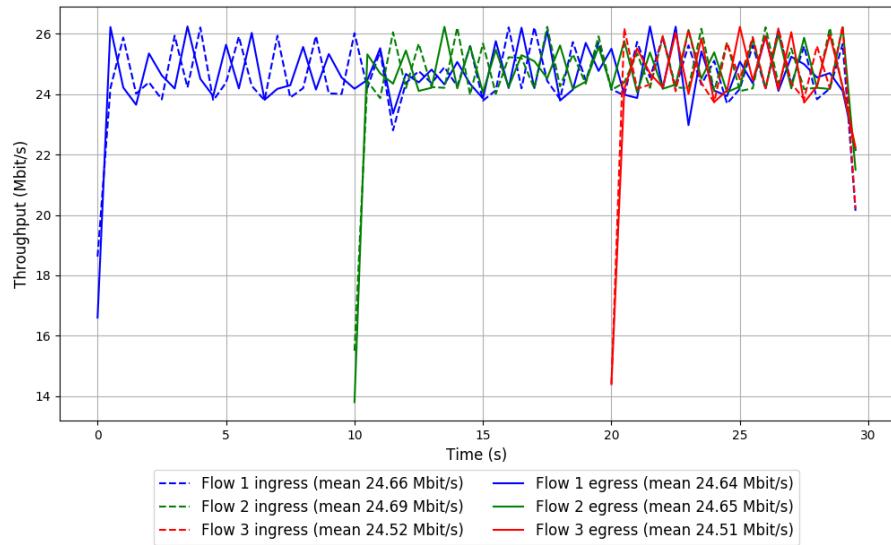


Run 10: Statistics of Sprout

```
Start at: 2017-09-22 01:57:08
End at: 2017-09-22 01:57:38
Local clock offset: -0.486 ms
Remote clock offset: -1.874 ms

# Below is generated by plot.py at 2017-09-22 04:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 21.906 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.996 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 21.658 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.997 ms
Loss rate: 0.05%
```

Run 10: Report of Sprout — Data Link

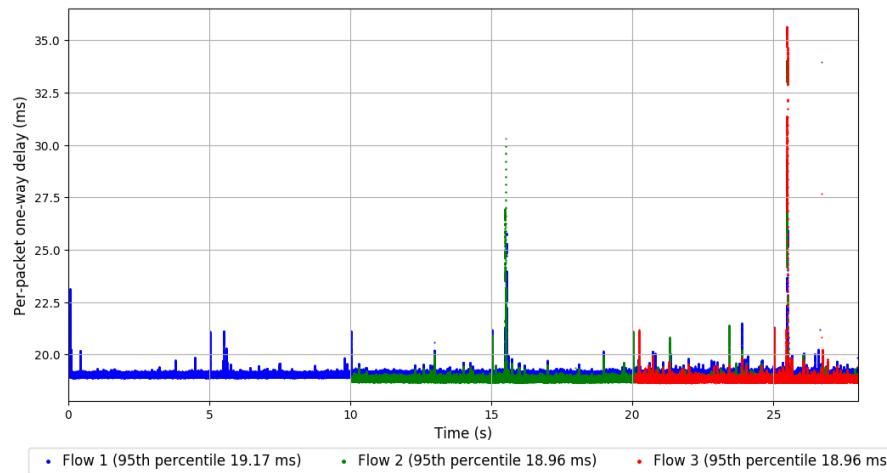
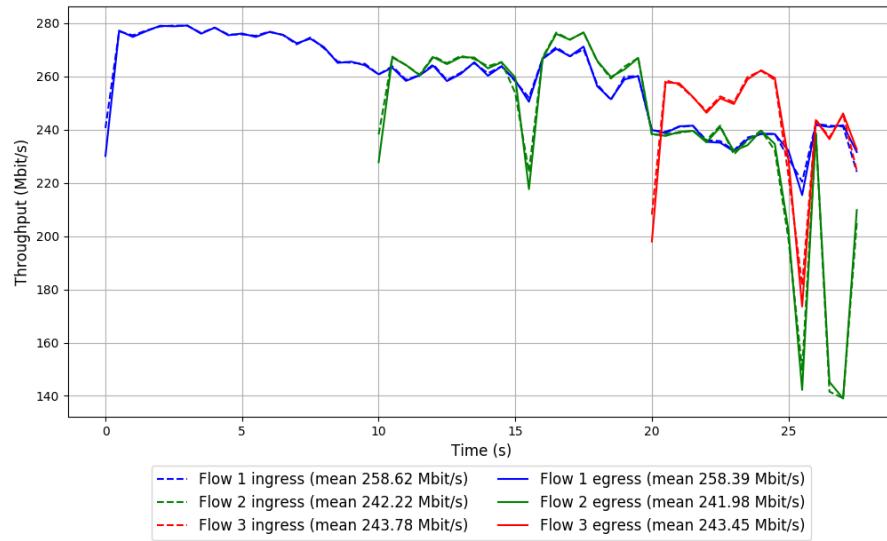


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-21 22:58:42
End at: 2017-09-21 22:59:12
Local clock offset: 0.167 ms
Remote clock offset: -1.279 ms

# Below is generated by plot.py at 2017-09-22 04:55:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.69 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 258.39 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 241.98 Mbit/s
95th percentile per-packet one-way delay: 18.965 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 243.45 Mbit/s
95th percentile per-packet one-way delay: 18.956 ms
Loss rate: 0.17%
```

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

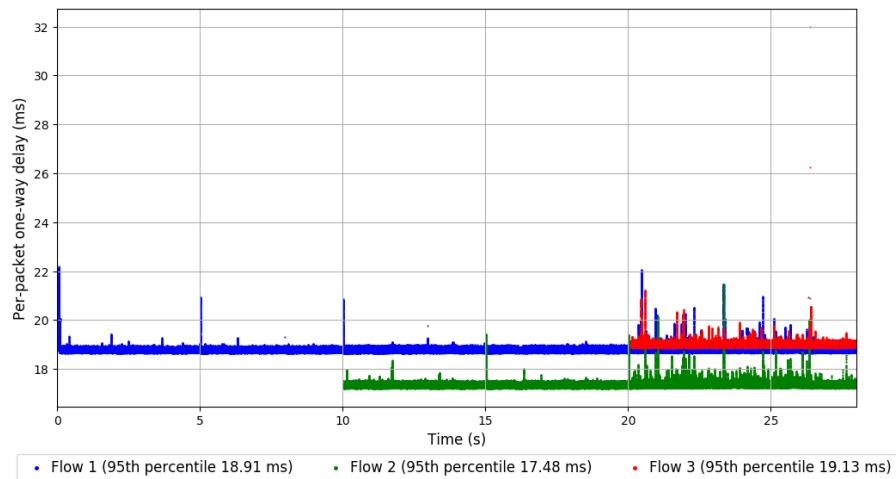
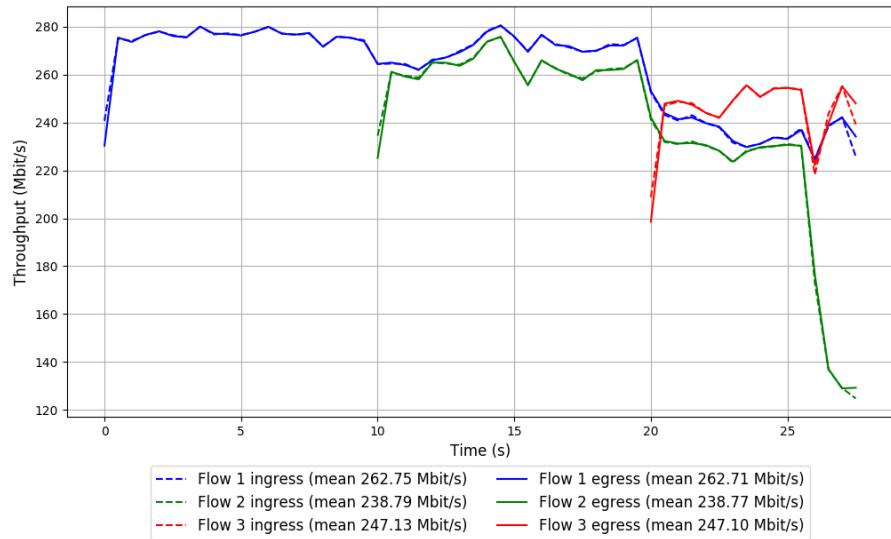


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-09-21 23:18:28
End at: 2017-09-21 23:18:58
Local clock offset: 0.228 ms
Remote clock offset: -1.753 ms

# Below is generated by plot.py at 2017-09-22 04:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 485.95 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 262.71 Mbit/s
95th percentile per-packet one-way delay: 18.907 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 238.77 Mbit/s
95th percentile per-packet one-way delay: 17.476 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 247.10 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.04%
```

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

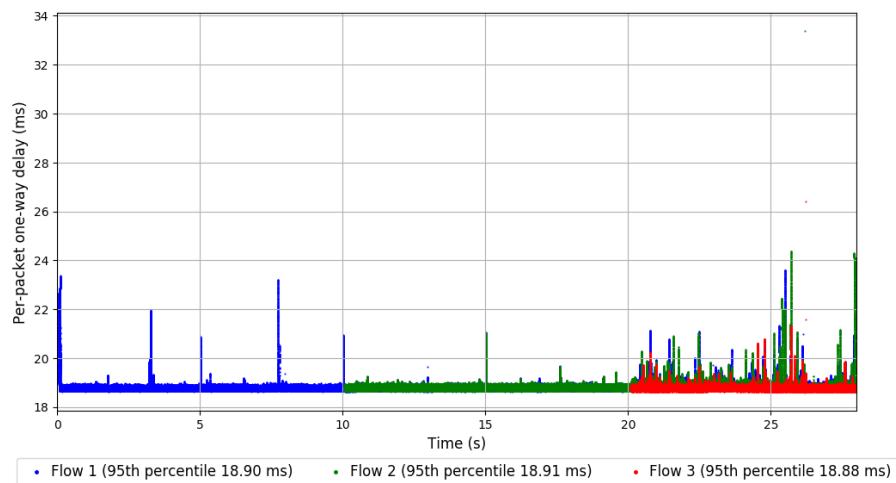
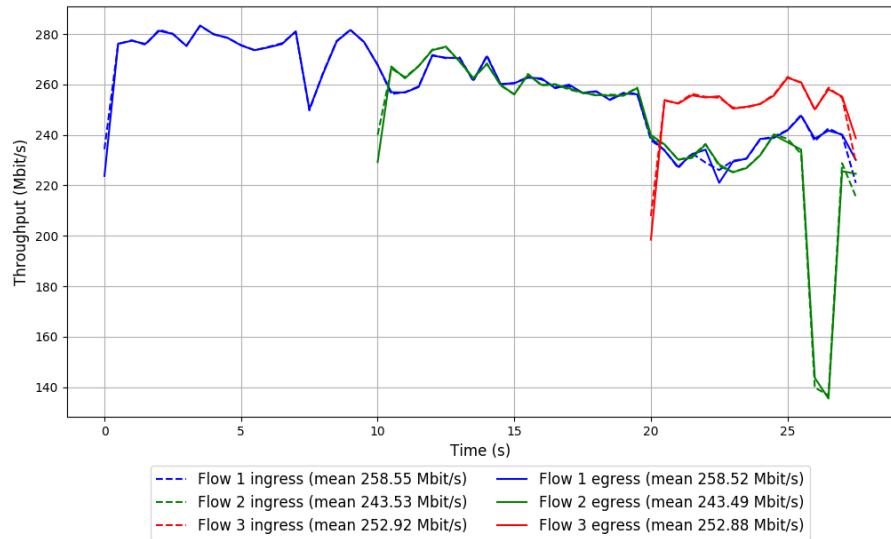


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-21 23:38:10
End at: 2017-09-21 23:38:40
Local clock offset: 0.202 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at 2017-09-22 04:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.44 Mbit/s
95th percentile per-packet one-way delay: 18.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 258.52 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 252.88 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.02%
```

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

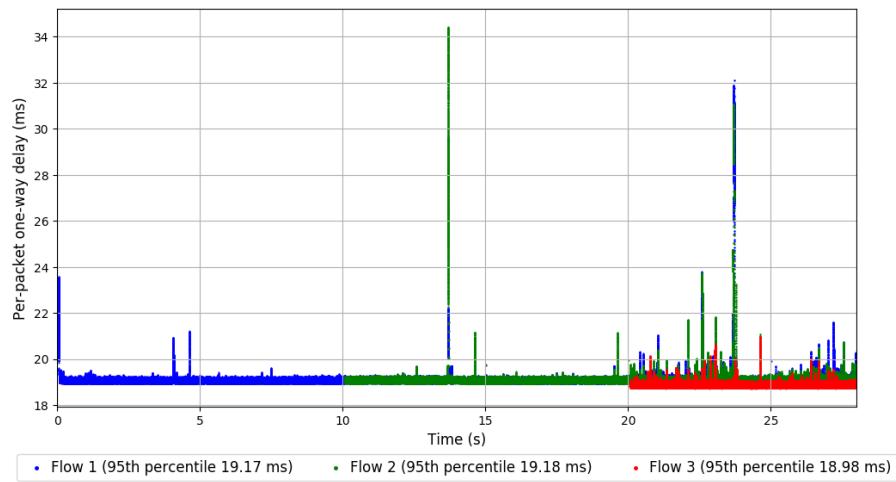
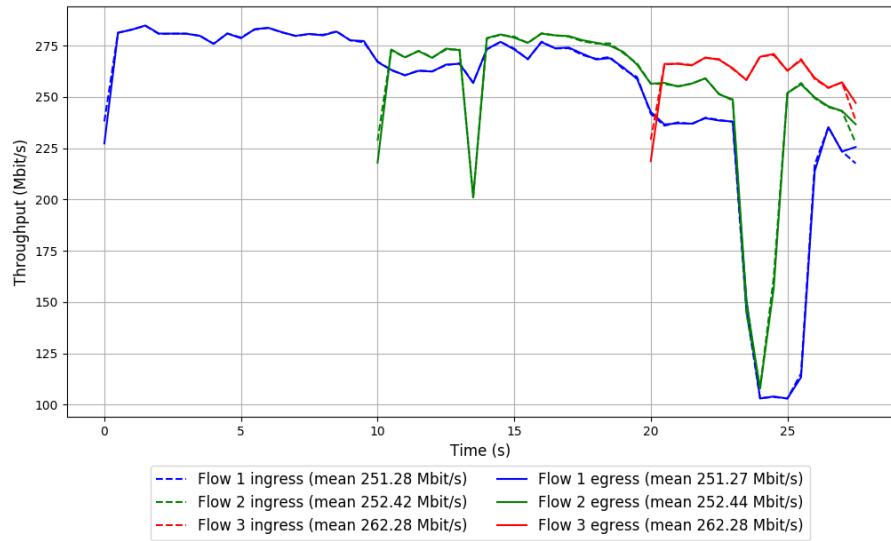


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-21 23:58:19
End at: 2017-09-21 23:58:49
Local clock offset: 0.21 ms
Remote clock offset: -1.881 ms

# Below is generated by plot.py at 2017-09-22 04:56:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.60 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 251.27 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 252.44 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 262.28 Mbit/s
95th percentile per-packet one-way delay: 18.985 ms
Loss rate: 0.03%
```

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

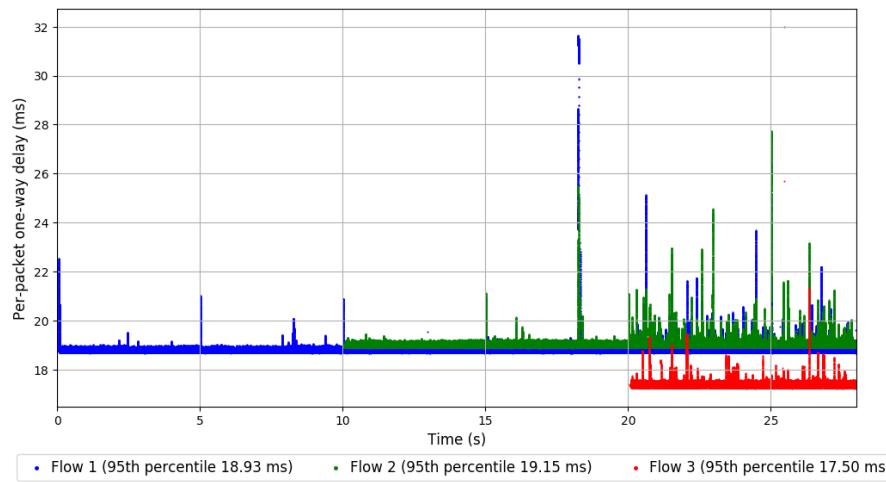
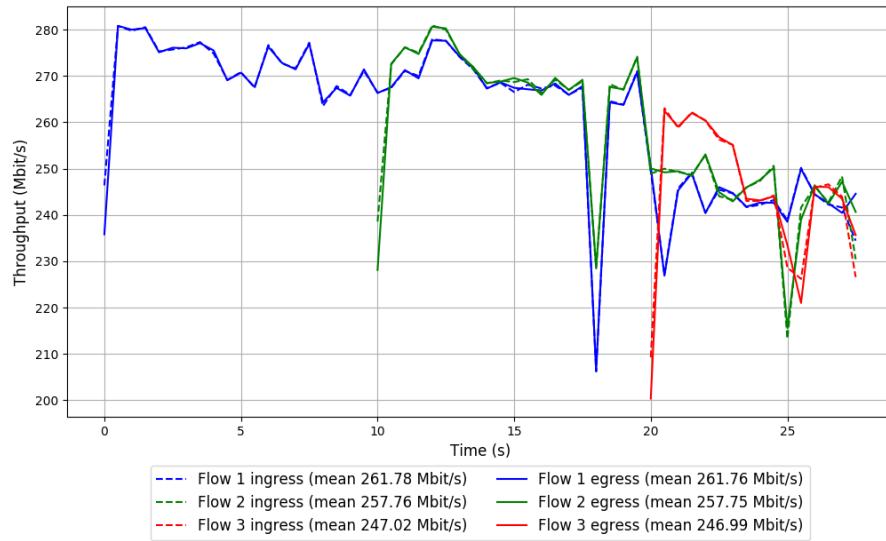


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-22 00:18:25
End at: 2017-09-22 00:18:55
Local clock offset: 0.441 ms
Remote clock offset: -1.814 ms

# Below is generated by plot.py at 2017-09-22 04:56:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.20 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 261.76 Mbit/s
95th percentile per-packet one-way delay: 18.926 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 257.75 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 246.99 Mbit/s
95th percentile per-packet one-way delay: 17.497 ms
Loss rate: 0.01%
```

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

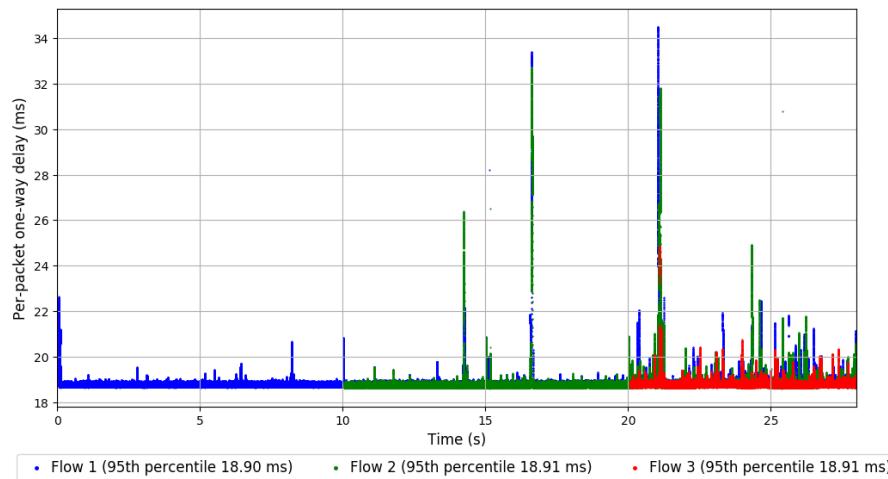
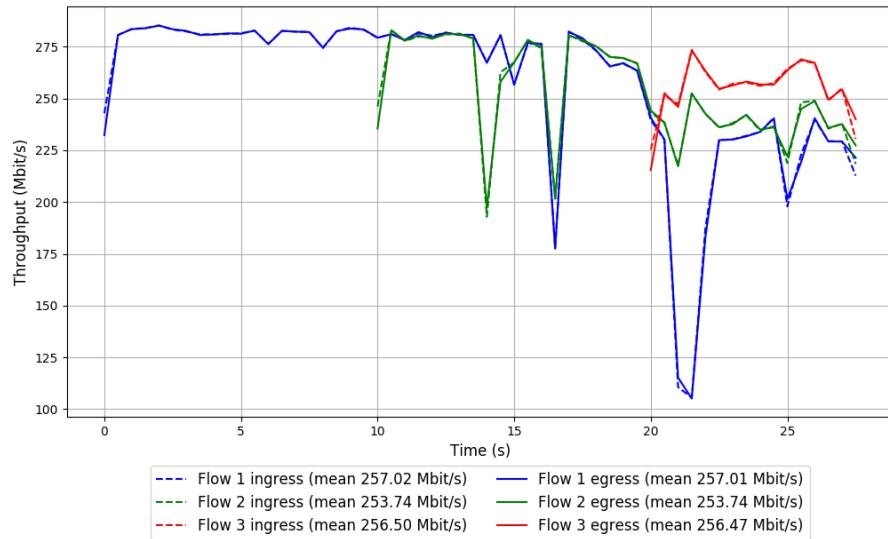


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-22 00:38:55
End at: 2017-09-22 00:39:25
Local clock offset: 0.143 ms
Remote clock offset: -1.808 ms

# Below is generated by plot.py at 2017-09-22 04:57:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 492.80 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 257.01 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 253.74 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 256.47 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.01%
```

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

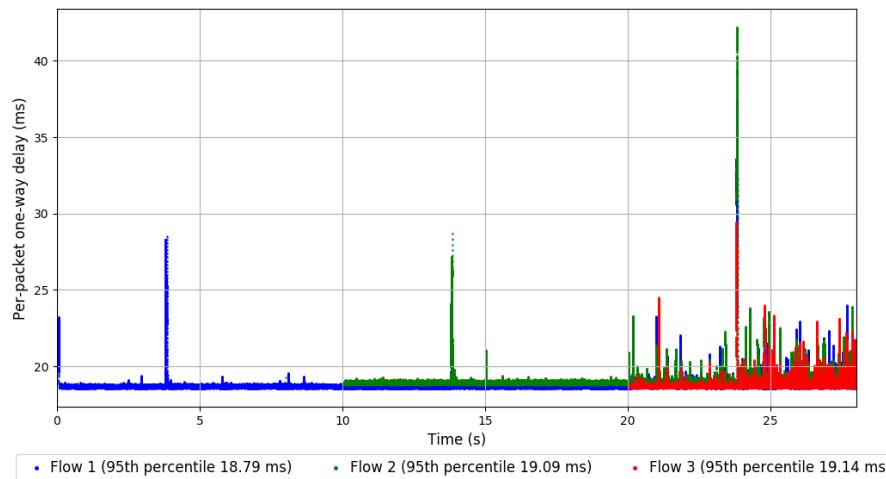
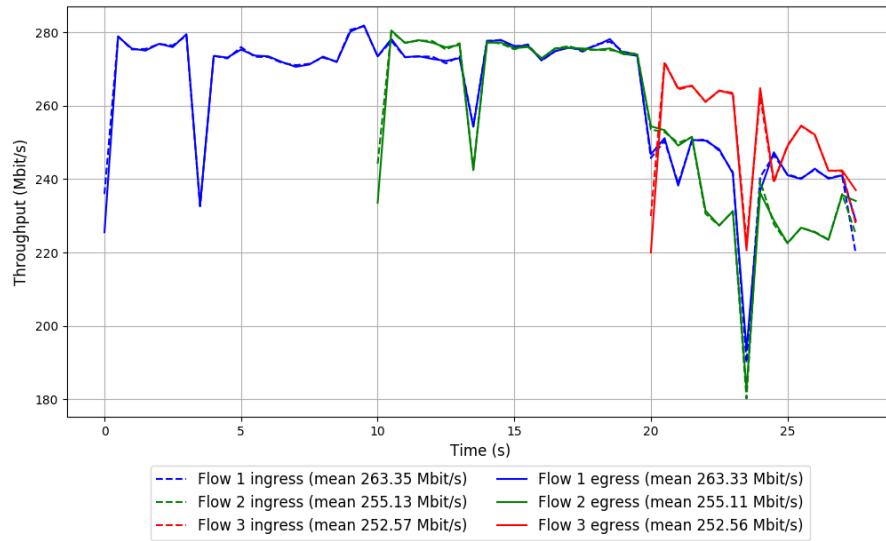


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-22 00:59:09
End at: 2017-09-22 00:59:39
Local clock offset: -0.072 ms
Remote clock offset: -1.849 ms

# Below is generated by plot.py at 2017-09-22 04:59:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 498.86 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 263.33 Mbit/s
95th percentile per-packet one-way delay: 18.794 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 255.11 Mbit/s
95th percentile per-packet one-way delay: 19.089 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 252.56 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.00%
```

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

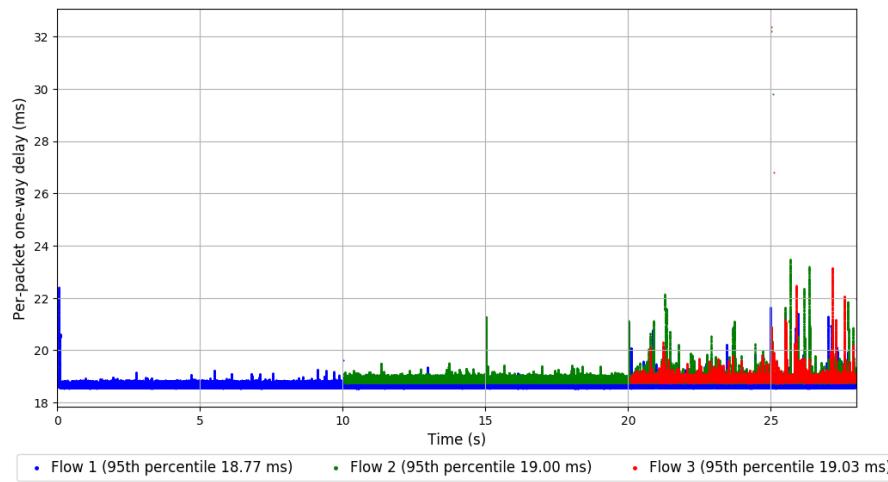
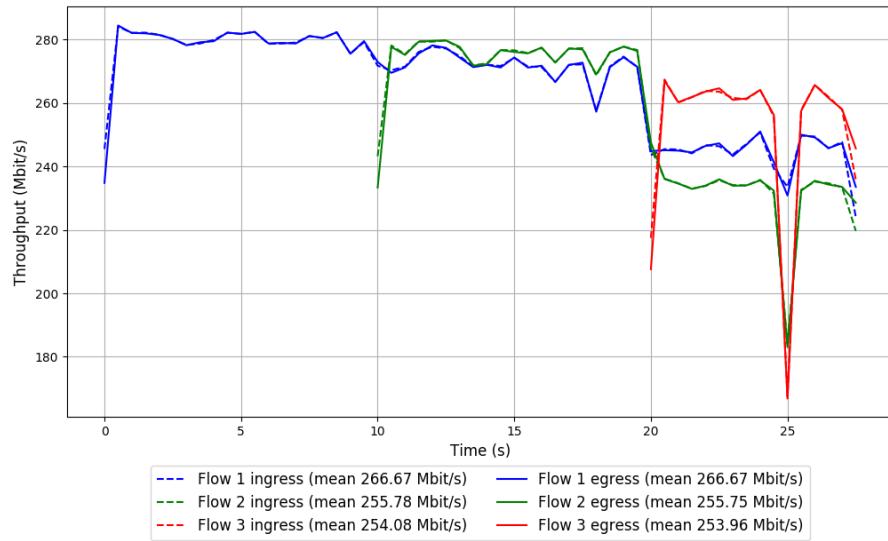


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-22 01:19:20
End at: 2017-09-22 01:19:50
Local clock offset: -0.289 ms
Remote clock offset: -1.924 ms

# Below is generated by plot.py at 2017-09-22 05:03:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 502.76 Mbit/s
95th percentile per-packet one-way delay: 18.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 266.67 Mbit/s
95th percentile per-packet one-way delay: 18.773 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 255.75 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 253.96 Mbit/s
95th percentile per-packet one-way delay: 19.029 ms
Loss rate: 0.01%
```

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

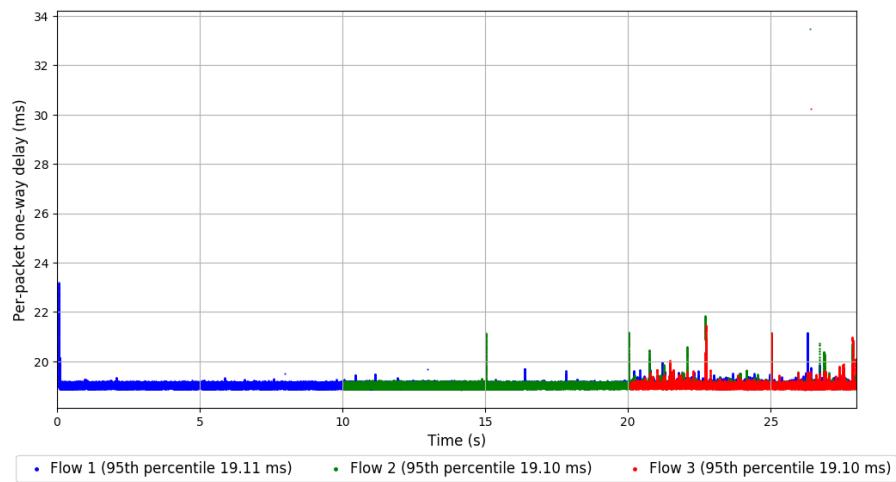
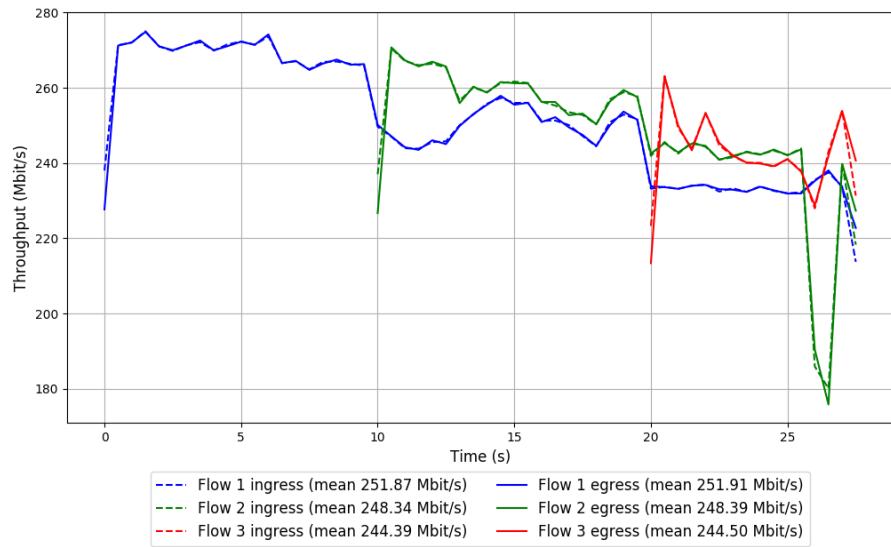


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-22 01:39:31
End at: 2017-09-22 01:40:01
Local clock offset: -0.43 ms
Remote clock offset: -1.941 ms

# Below is generated by plot.py at 2017-09-22 05:07:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.62 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.91 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.39 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 244.50 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.01%
```

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

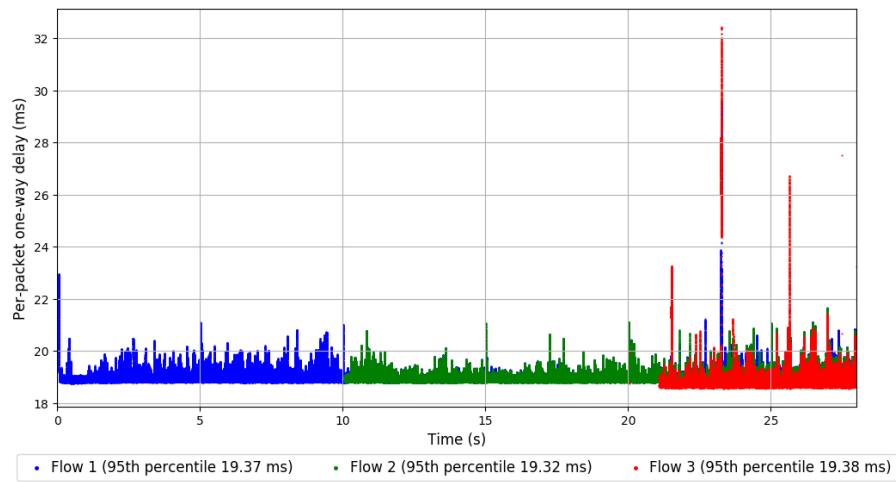
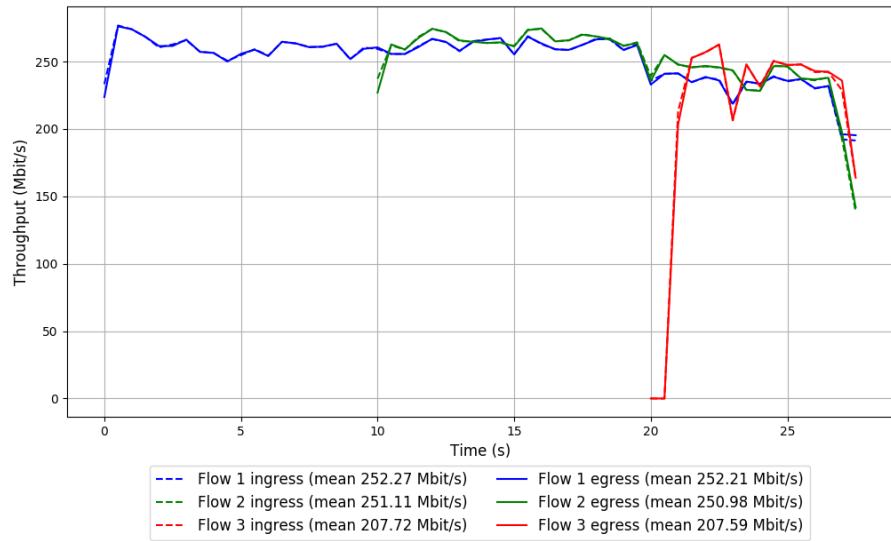


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-22 01:59:57
End at: 2017-09-22 02:00:27
Local clock offset: -0.378 ms
Remote clock offset: -1.853 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.14 Mbit/s
95th percentile per-packet one-way delay: 19.350 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 252.21 Mbit/s
95th percentile per-packet one-way delay: 19.366 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 250.98 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 207.59 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.03%
```

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



Run 1: Statistics of TCP Vegas

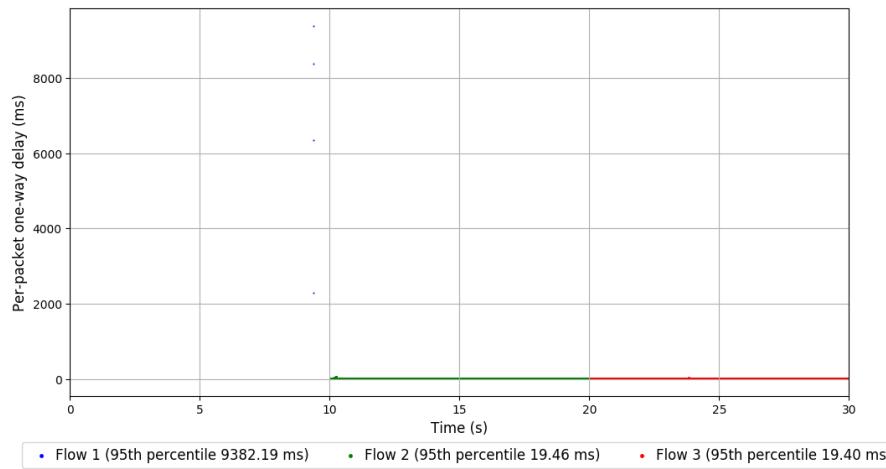
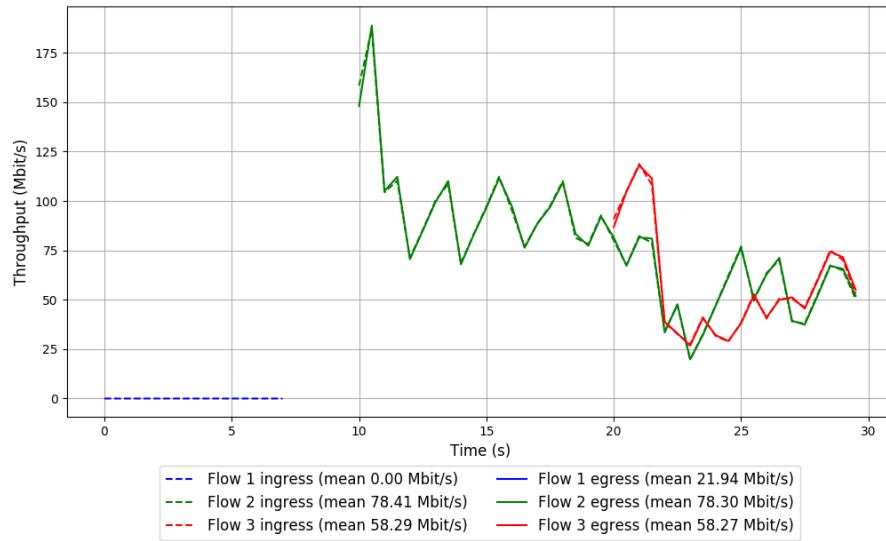
Start at: 2017-09-21 22:50:40

End at: 2017-09-21 22:51:10

Local clock offset: 0.205 ms

Remote clock offset: -1.113 ms

Run 1: Report of TCP Vegas — Data Link

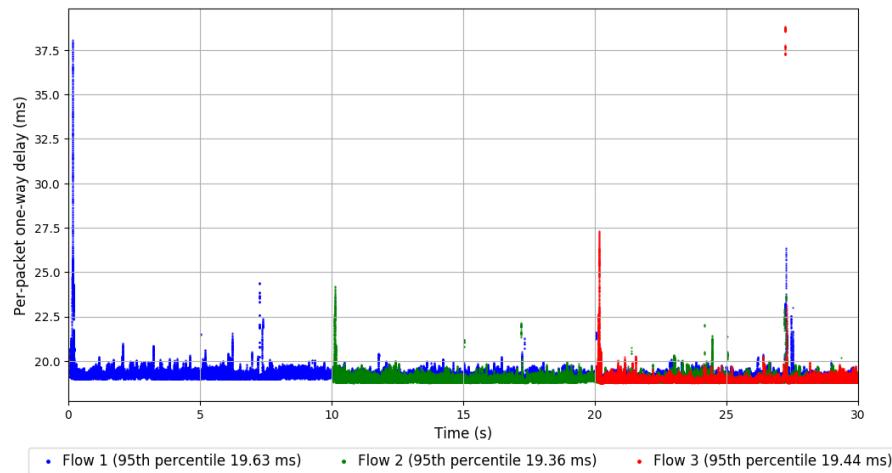
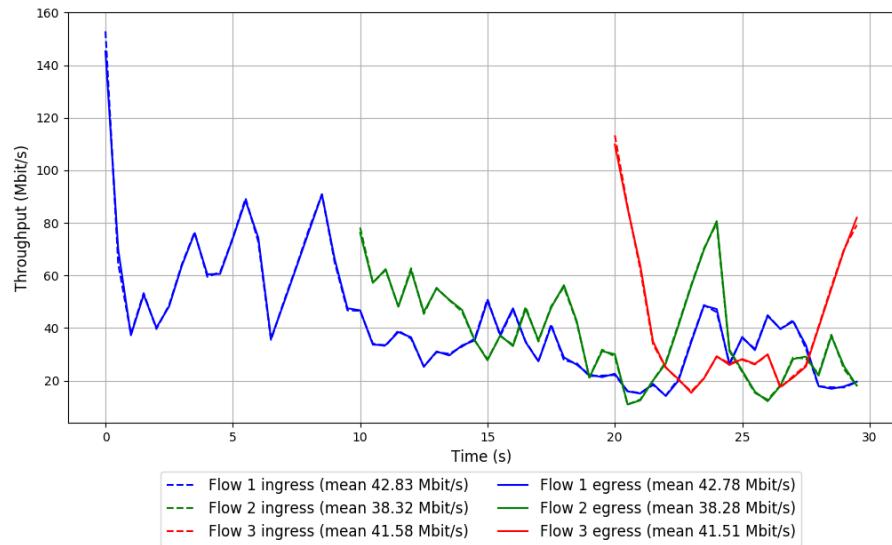


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-21 23:10:03
End at: 2017-09-21 23:10:33
Local clock offset: 0.14 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.05 Mbit/s
95th percentile per-packet one-way delay: 19.558 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 19.634 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 19.444 ms
Loss rate: 0.16%
```

Run 2: Report of TCP Vegas — Data Link

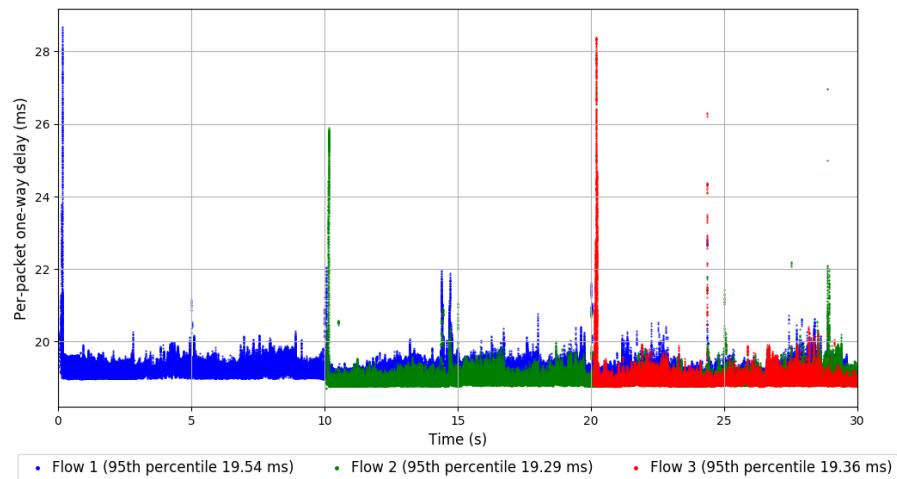
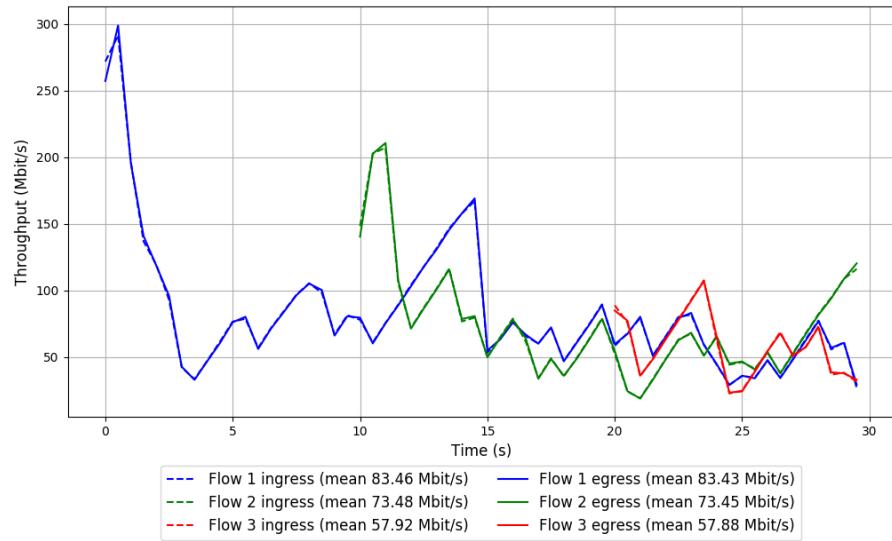


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-21 23:29:45
End at: 2017-09-21 23:30:15
Local clock offset: 0.087 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.54 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 19.540 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 19.355 ms
Loss rate: 0.07%
```

Run 3: Report of TCP Vegas — Data Link

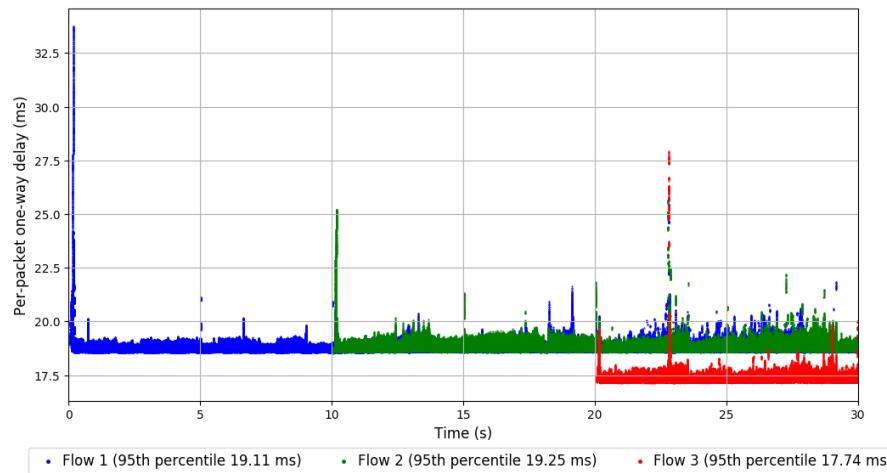
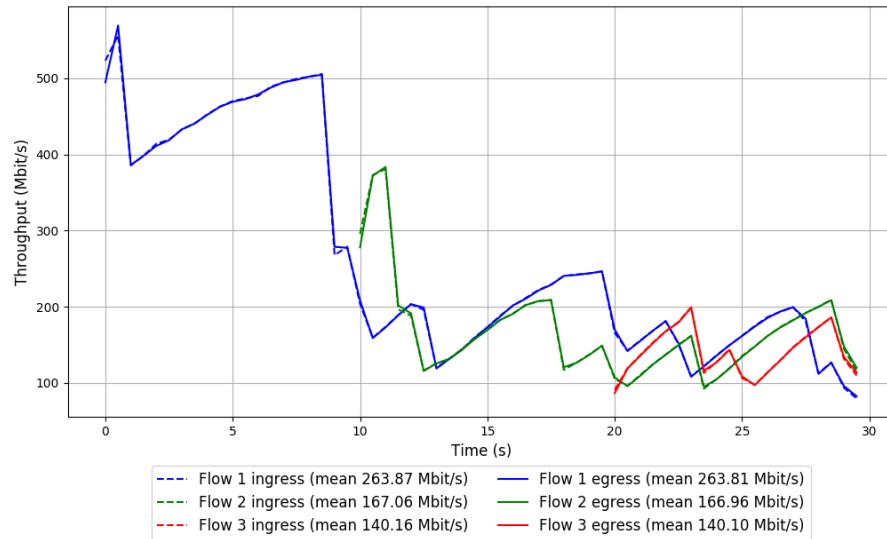


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-21 23:49:29
End at: 2017-09-21 23:49:59
Local clock offset: 0.24 ms
Remote clock offset: -1.944 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.49 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 263.81 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 166.96 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 140.10 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.04%
```

Run 4: Report of TCP Vegas — Data Link

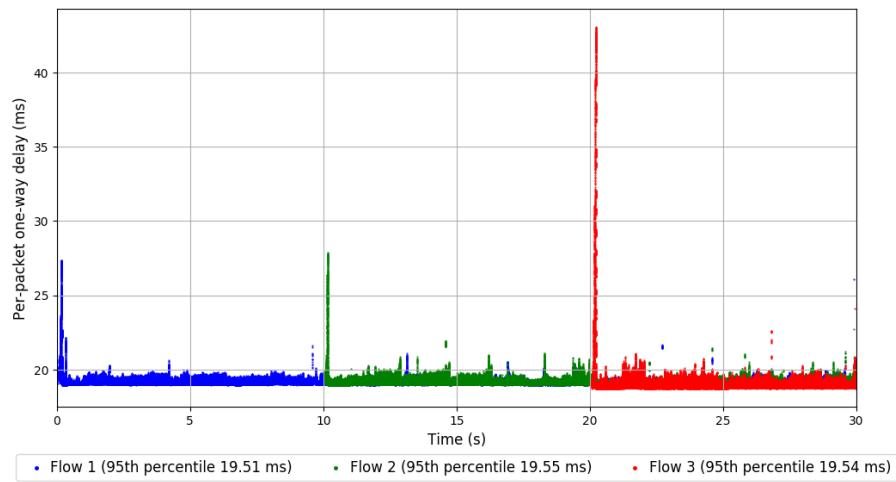
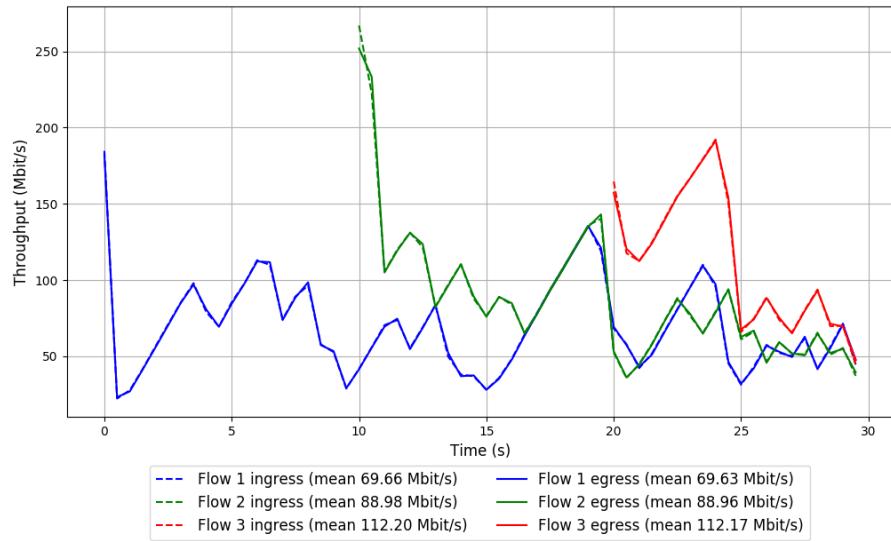


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-22 00:09:50
End at: 2017-09-22 00:10:20
Local clock offset: 0.319 ms
Remote clock offset: -1.851 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.09 Mbit/s
95th percentile per-packet one-way delay: 19.529 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 19.549 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 112.17 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Vegas — Data Link

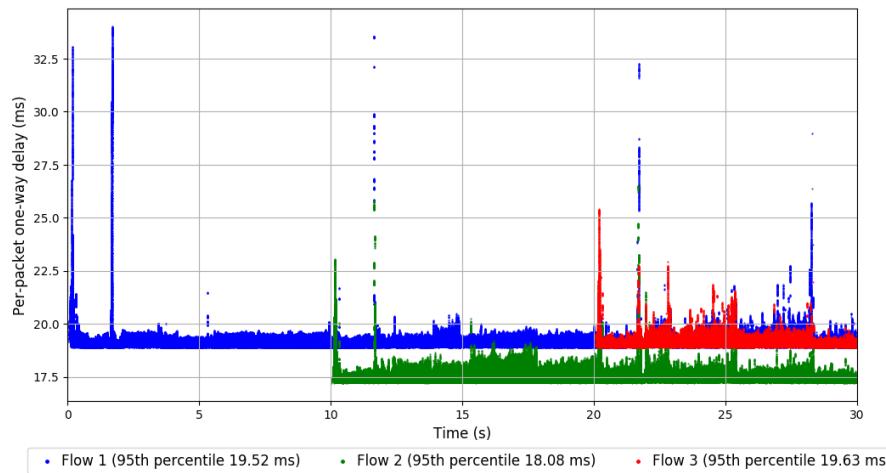
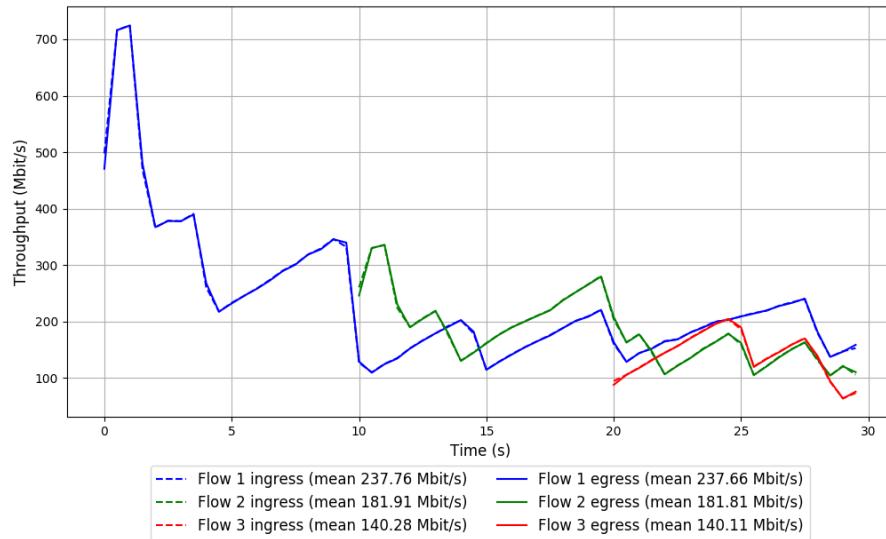


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-22 00:30:03
End at: 2017-09-22 00:30:33
Local clock offset: 0.277 ms
Remote clock offset: -1.861 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.19 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 237.66 Mbit/s
95th percentile per-packet one-way delay: 19.517 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 181.81 Mbit/s
95th percentile per-packet one-way delay: 18.078 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 140.11 Mbit/s
95th percentile per-packet one-way delay: 19.631 ms
Loss rate: 0.12%
```

Run 6: Report of TCP Vegas — Data Link

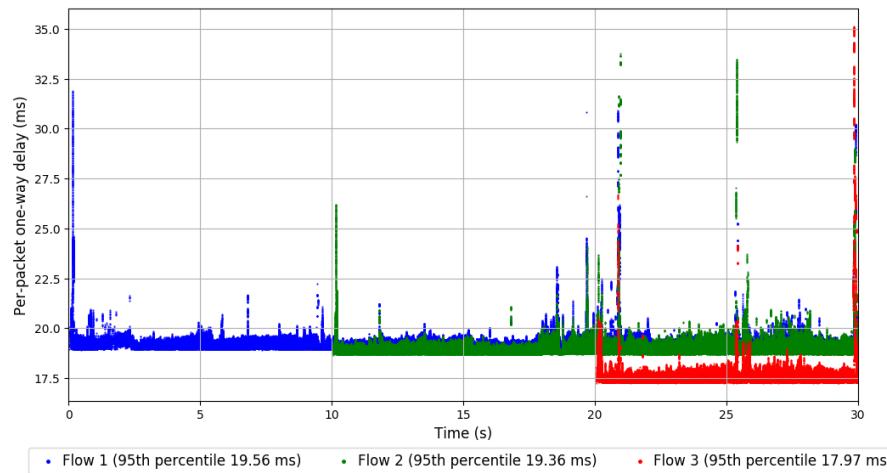
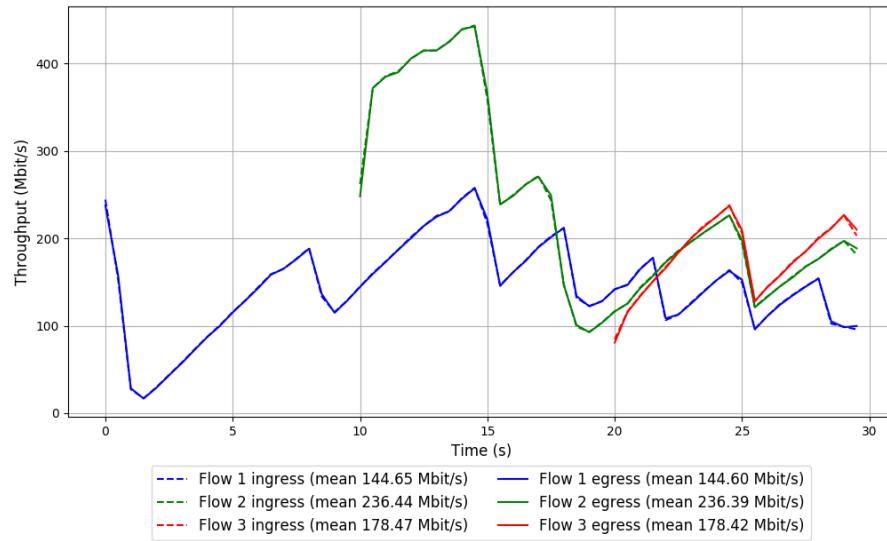


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-22 00:50:25
End at: 2017-09-22 00:50:55
Local clock offset: -0.035 ms
Remote clock offset: -1.776 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.17 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 144.60 Mbit/s
95th percentile per-packet one-way delay: 19.564 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 236.39 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 178.42 Mbit/s
95th percentile per-packet one-way delay: 17.972 ms
Loss rate: 0.03%
```

Run 7: Report of TCP Vegas — Data Link

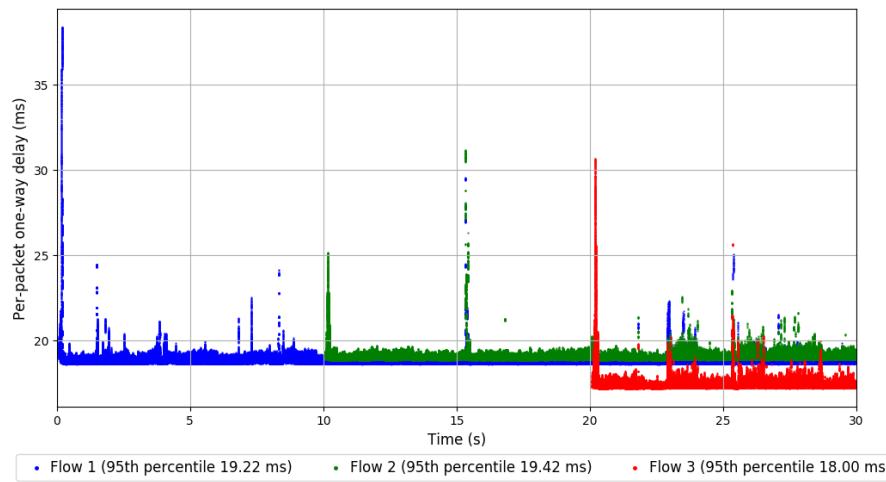
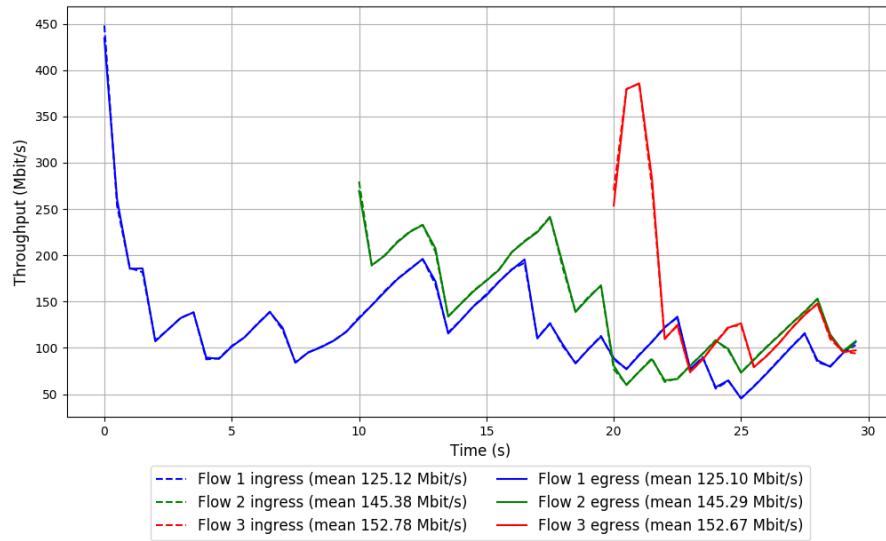


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-22 01:10:39
End at: 2017-09-22 01:11:09
Local clock offset: -0.218 ms
Remote clock offset: -1.824 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.52 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 125.10 Mbit/s
95th percentile per-packet one-way delay: 19.221 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 145.29 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 152.67 Mbit/s
95th percentile per-packet one-way delay: 18.002 ms
Loss rate: 0.12%
```

Run 8: Report of TCP Vegas — Data Link

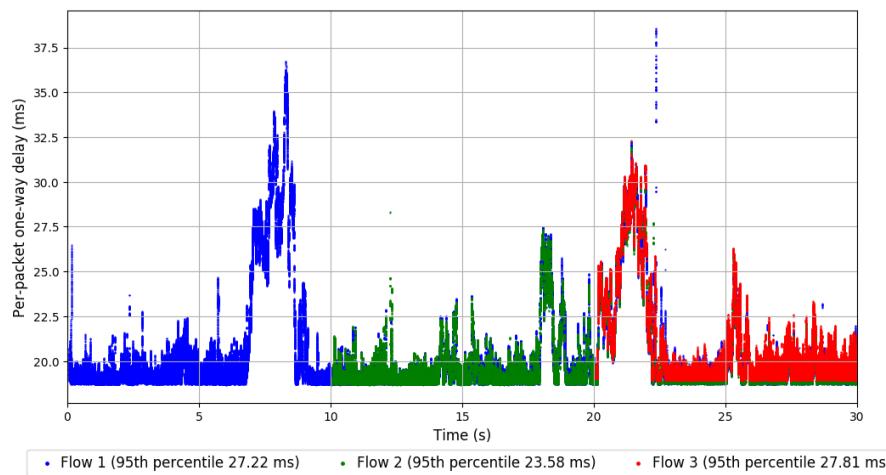
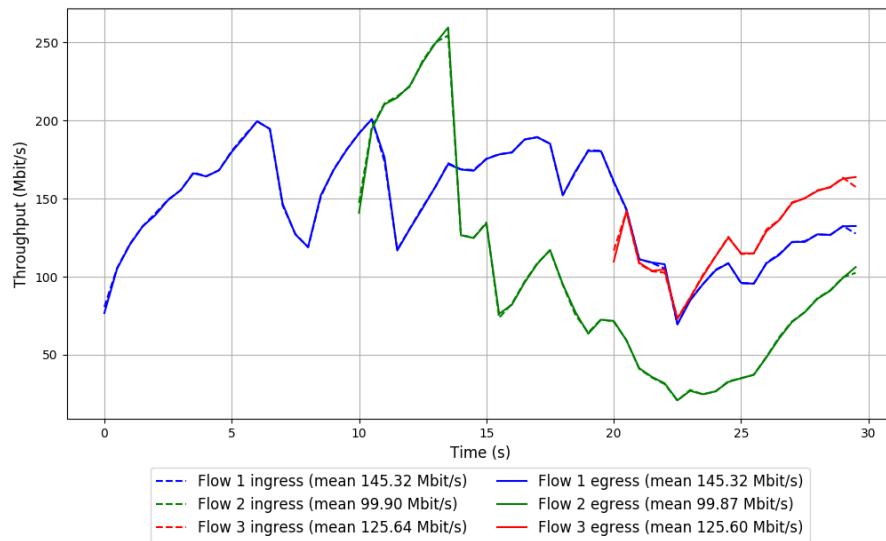


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-22 01:30:53
End at: 2017-09-22 01:31:23
Local clock offset: -0.335 ms
Remote clock offset: -1.865 ms

# Below is generated by plot.py at 2017-09-22 05:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.51 Mbit/s
95th percentile per-packet one-way delay: 26.582 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 145.32 Mbit/s
95th percentile per-packet one-way delay: 27.216 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: 23.581 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 125.60 Mbit/s
95th percentile per-packet one-way delay: 27.810 ms
Loss rate: 0.05%
```

Run 9: Report of TCP Vegas — Data Link

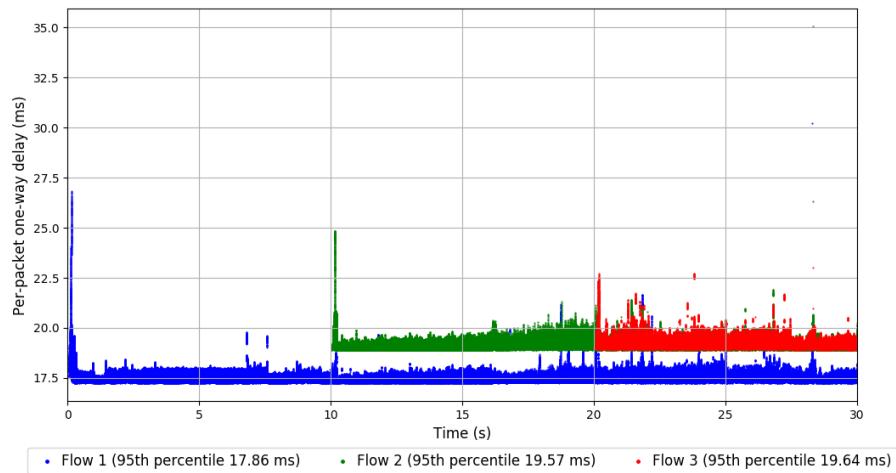
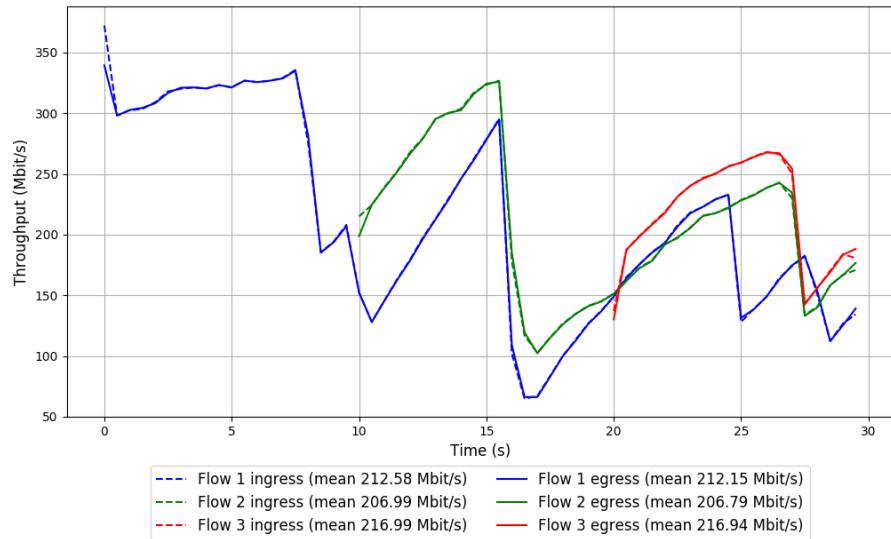


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-22 01:51:04
End at: 2017-09-22 01:51:34
Local clock offset: -0.454 ms
Remote clock offset: -1.911 ms

# Below is generated by plot.py at 2017-09-22 05:09:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.91 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 212.15 Mbit/s
95th percentile per-packet one-way delay: 17.857 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 206.79 Mbit/s
95th percentile per-packet one-way delay: 19.570 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 216.94 Mbit/s
95th percentile per-packet one-way delay: 19.640 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

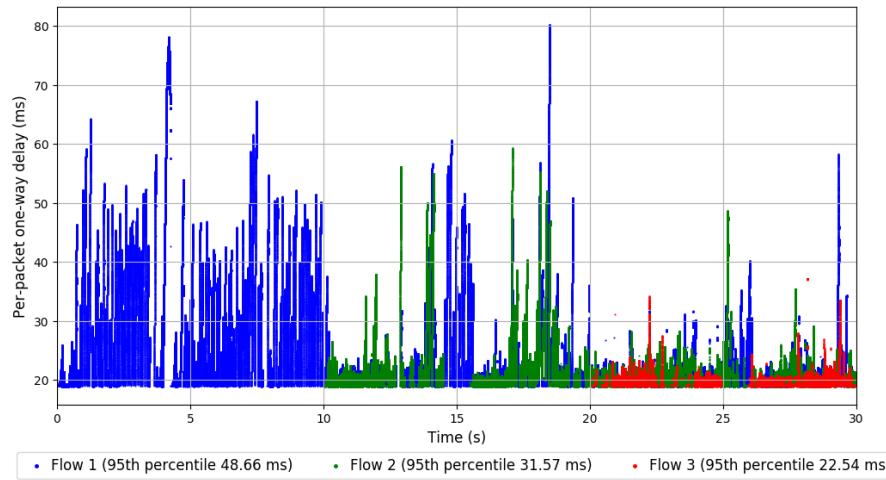
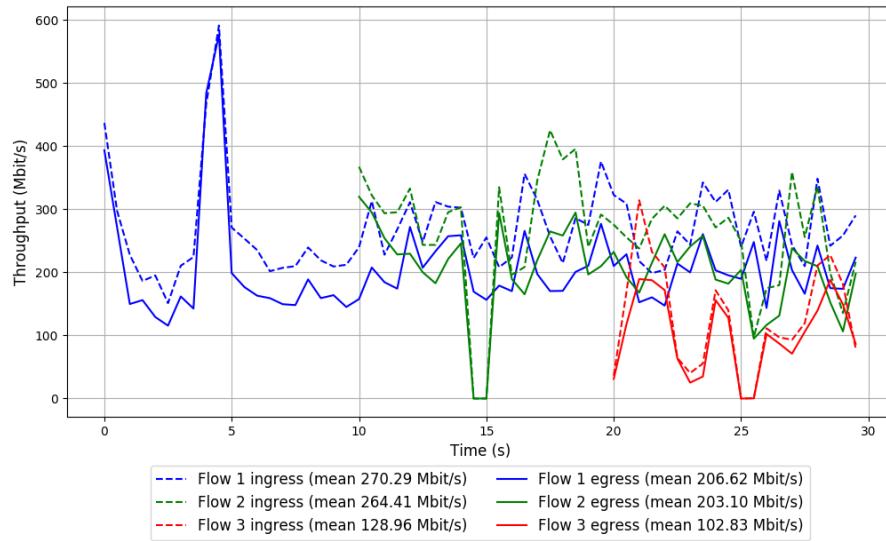


Run 1: Statistics of Verus

```
Start at: 2017-09-21 22:51:54
End at: 2017-09-21 22:52:24
Local clock offset: 0.189 ms
Remote clock offset: -1.212 ms

# Below is generated by plot.py at 2017-09-22 05:09:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.74 Mbit/s
95th percentile per-packet one-way delay: 43.153 ms
Loss rate: 23.14%
-- Flow 1:
Average throughput: 206.62 Mbit/s
95th percentile per-packet one-way delay: 48.661 ms
Loss rate: 23.56%
-- Flow 2:
Average throughput: 203.10 Mbit/s
95th percentile per-packet one-way delay: 31.572 ms
Loss rate: 23.19%
-- Flow 3:
Average throughput: 102.83 Mbit/s
95th percentile per-packet one-way delay: 22.538 ms
Loss rate: 20.27%
```

Run 1: Report of Verus — Data Link

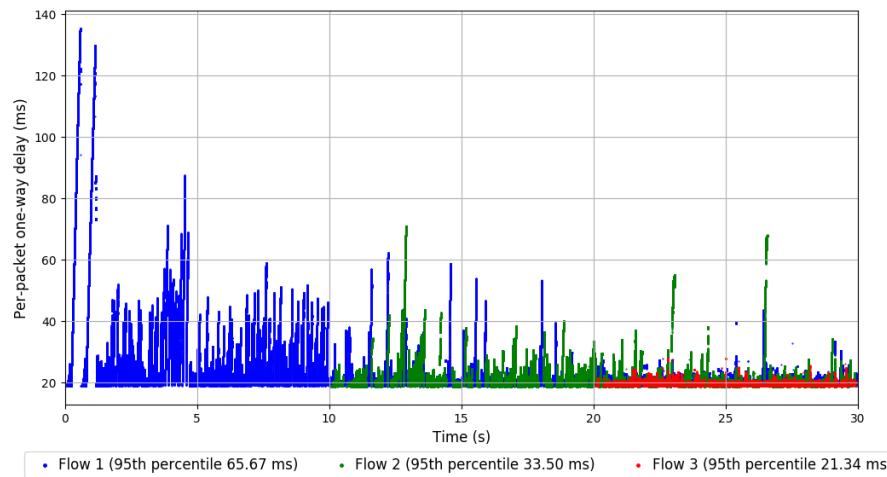
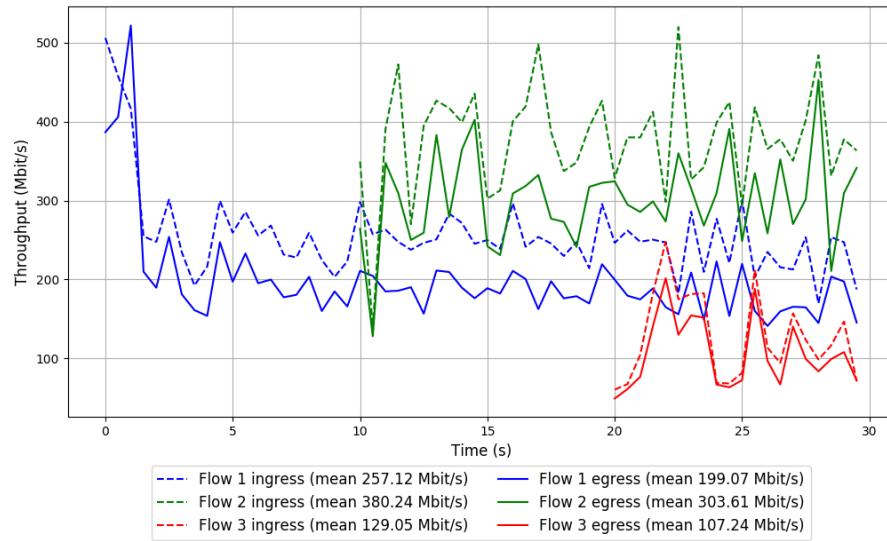


Run 2: Statistics of Verus

```
Start at: 2017-09-21 23:11:17
End at: 2017-09-21 23:11:47
Local clock offset: 0.134 ms
Remote clock offset: -1.669 ms

# Below is generated by plot.py at 2017-09-22 05:10:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.89 Mbit/s
95th percentile per-packet one-way delay: 45.040 ms
Loss rate: 21.02%
-- Flow 1:
Average throughput: 199.07 Mbit/s
95th percentile per-packet one-way delay: 65.673 ms
Loss rate: 22.57%
-- Flow 2:
Average throughput: 303.61 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 20.15%
-- Flow 3:
Average throughput: 107.24 Mbit/s
95th percentile per-packet one-way delay: 21.345 ms
Loss rate: 16.89%
```

Run 2: Report of Verus — Data Link

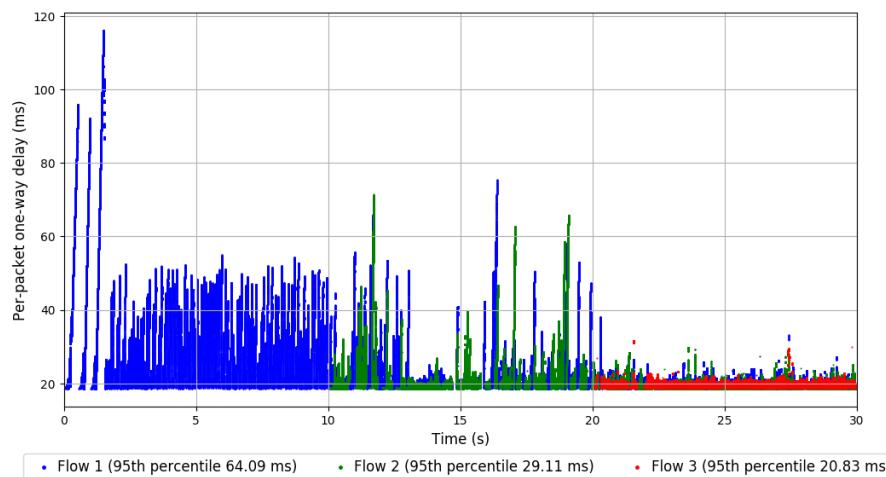
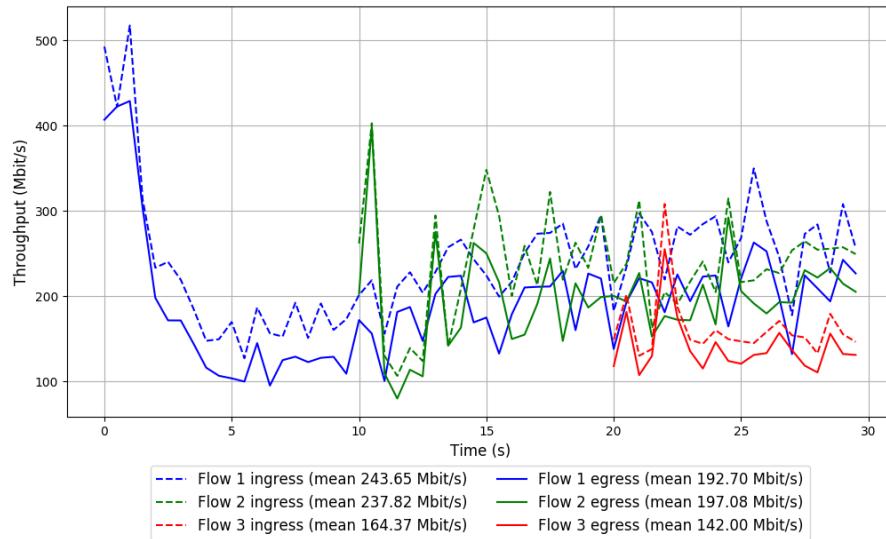


Run 3: Statistics of Verus

```
Start at: 2017-09-21 23:31:02
End at: 2017-09-21 23:31:32
Local clock offset: 0.192 ms
Remote clock offset: -1.981 ms

# Below is generated by plot.py at 2017-09-22 05:10:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.62 Mbit/s
95th percentile per-packet one-way delay: 47.001 ms
Loss rate: 18.73%
-- Flow 1:
Average throughput: 192.70 Mbit/s
95th percentile per-packet one-way delay: 64.090 ms
Loss rate: 20.91%
-- Flow 2:
Average throughput: 197.08 Mbit/s
95th percentile per-packet one-way delay: 29.106 ms
Loss rate: 17.13%
-- Flow 3:
Average throughput: 142.00 Mbit/s
95th percentile per-packet one-way delay: 20.832 ms
Loss rate: 13.60%
```

Run 3: Report of Verus — Data Link

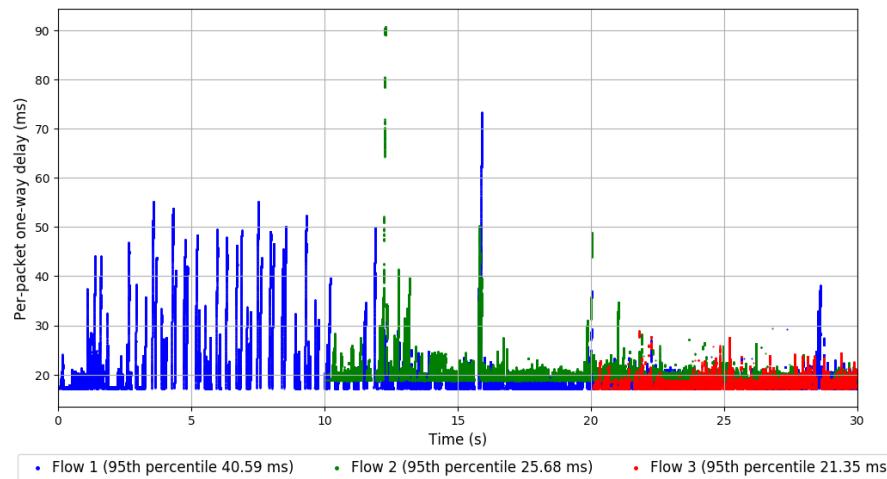
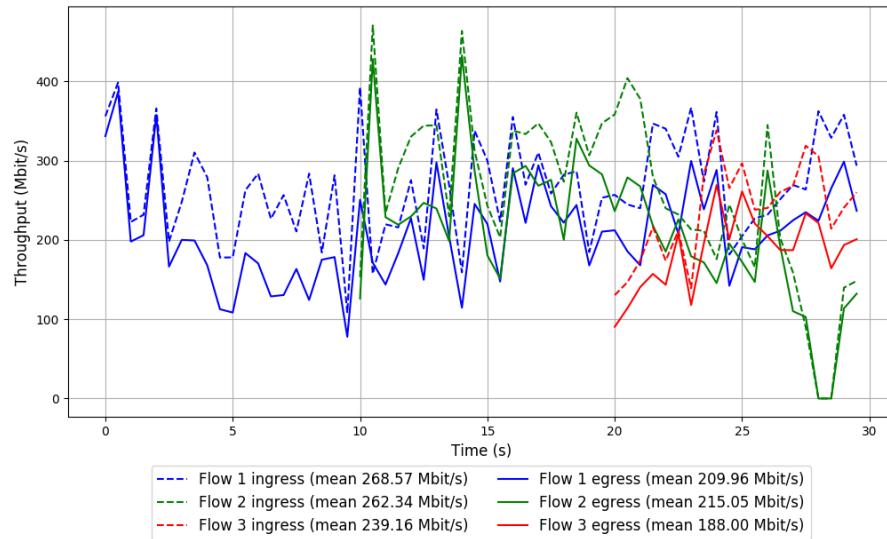


Run 4: Statistics of Verus

```
Start at: 2017-09-21 23:50:58
End at: 2017-09-21 23:51:28
Local clock offset: 0.252 ms
Remote clock offset: -1.931 ms

# Below is generated by plot.py at 2017-09-22 05:10:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.89 Mbit/s
95th percentile per-packet one-way delay: 32.171 ms
Loss rate: 20.50%
-- Flow 1:
Average throughput: 209.96 Mbit/s
95th percentile per-packet one-way delay: 40.588 ms
Loss rate: 21.84%
-- Flow 2:
Average throughput: 215.05 Mbit/s
95th percentile per-packet one-way delay: 25.685 ms
Loss rate: 18.03%
-- Flow 3:
Average throughput: 188.00 Mbit/s
95th percentile per-packet one-way delay: 21.352 ms
Loss rate: 21.39%
```

Run 4: Report of Verus — Data Link

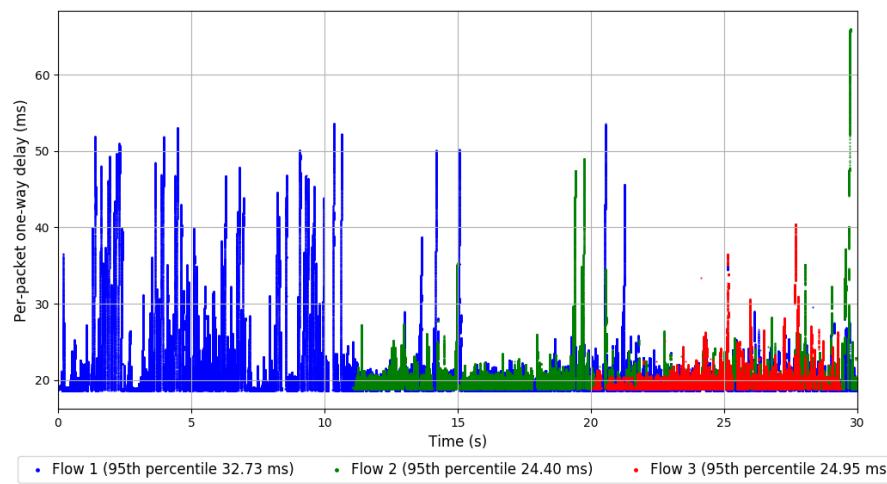
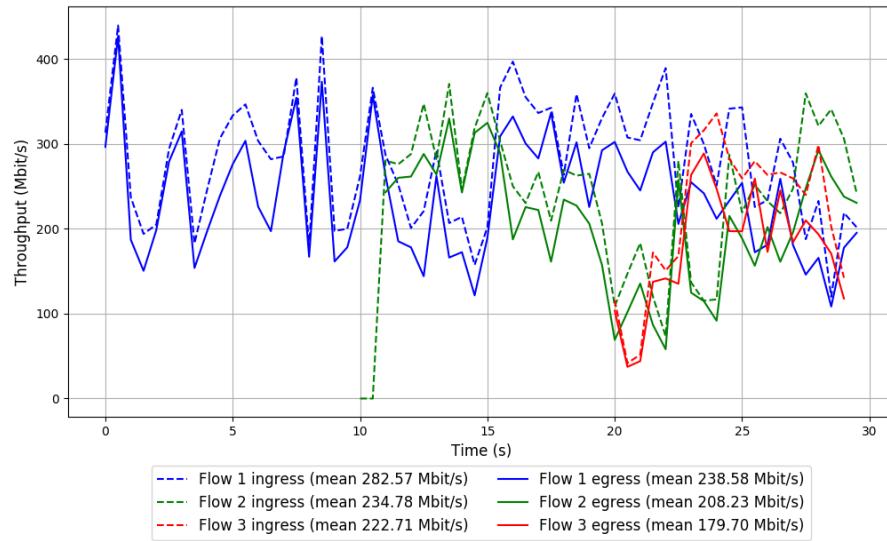


Run 5: Statistics of Verus

```
Start at: 2017-09-22 00:11:07
End at: 2017-09-22 00:11:37
Local clock offset: 0.403 ms
Remote clock offset: -1.913 ms

# Below is generated by plot.py at 2017-09-22 05:10:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.01 Mbit/s
95th percentile per-packet one-way delay: 28.285 ms
Loss rate: 16.14%
-- Flow 1:
Average throughput: 238.58 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 15.57%
-- Flow 2:
Average throughput: 208.23 Mbit/s
95th percentile per-packet one-way delay: 24.403 ms
Loss rate: 15.77%
-- Flow 3:
Average throughput: 179.70 Mbit/s
95th percentile per-packet one-way delay: 24.954 ms
Loss rate: 19.32%
```

Run 5: Report of Verus — Data Link

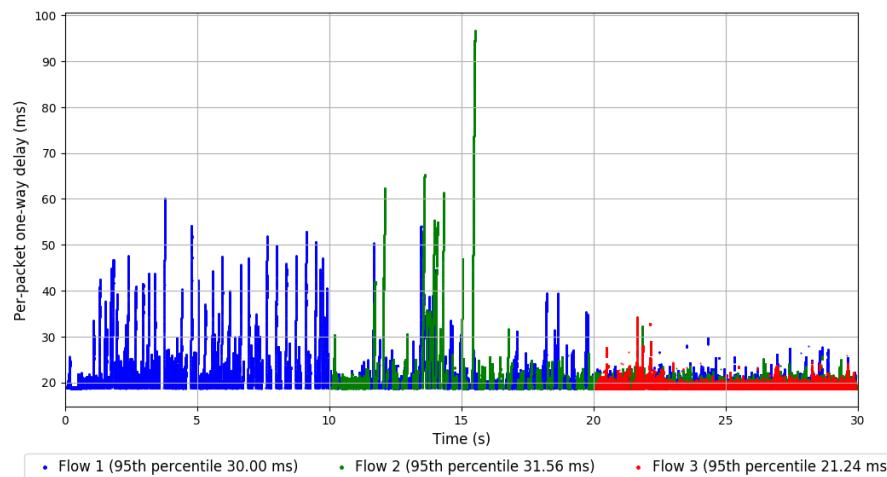
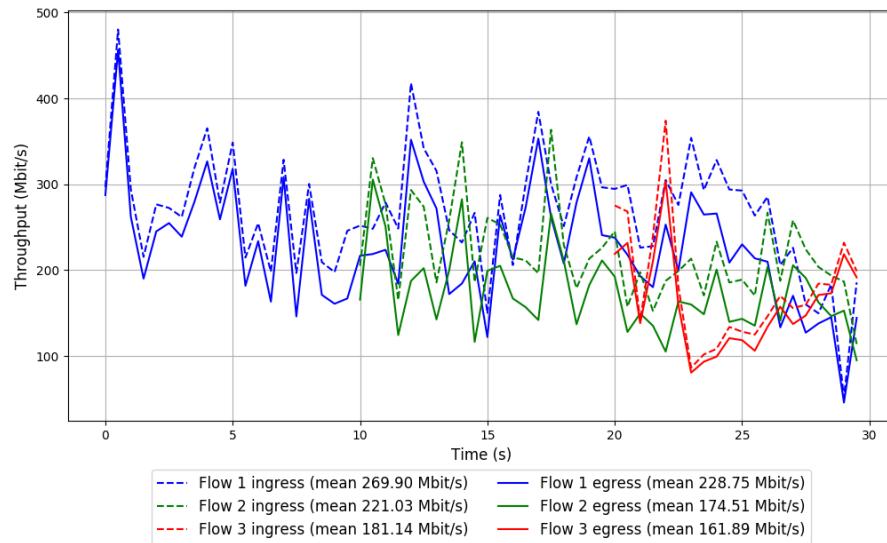


Run 6: Statistics of Verus

```
Start at: 2017-09-22 00:31:30
End at: 2017-09-22 00:32:00
Local clock offset: 0.348 ms
Remote clock offset: -1.748 ms

# Below is generated by plot.py at 2017-09-22 05:13:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.31 Mbit/s
95th percentile per-packet one-way delay: 29.031 ms
Loss rate: 16.45%
-- Flow 1:
Average throughput: 228.75 Mbit/s
95th percentile per-packet one-way delay: 30.001 ms
Loss rate: 15.24%
-- Flow 2:
Average throughput: 174.51 Mbit/s
95th percentile per-packet one-way delay: 31.561 ms
Loss rate: 21.04%
-- Flow 3:
Average throughput: 161.89 Mbit/s
95th percentile per-packet one-way delay: 21.236 ms
Loss rate: 10.63%
```

Run 6: Report of Verus — Data Link

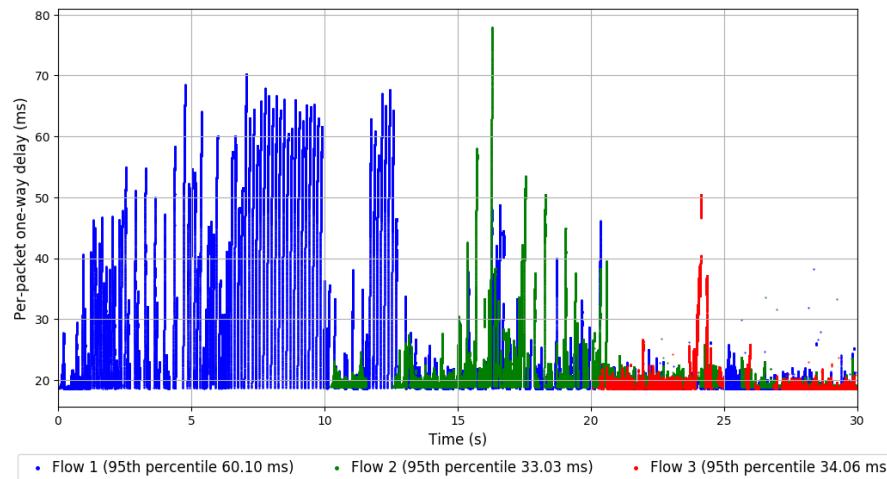
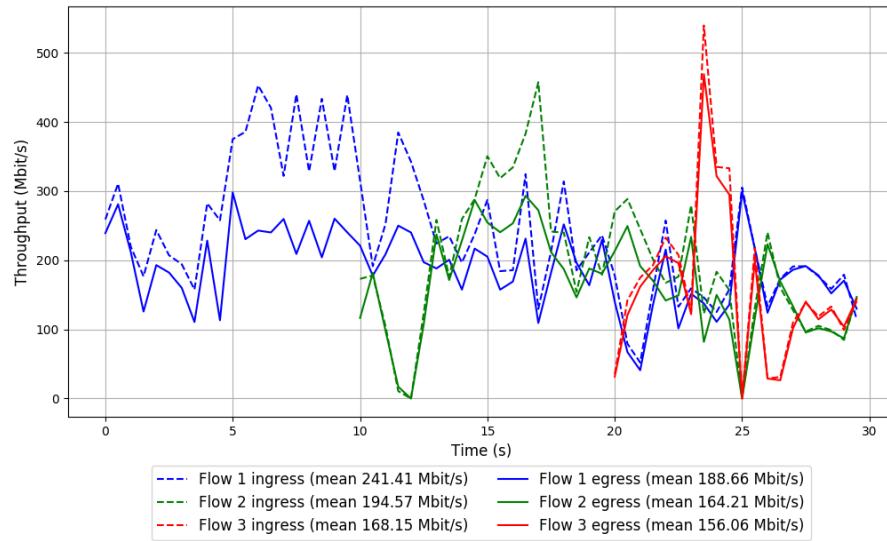


Run 7: Statistics of Verus

```
Start at: 2017-09-22 00:51:51
End at: 2017-09-22 00:52:21
Local clock offset: 0.042 ms
Remote clock offset: -1.789 ms

# Below is generated by plot.py at 2017-09-22 05:13:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.56 Mbit/s
95th percentile per-packet one-way delay: 56.889 ms
Loss rate: 18.04%
-- Flow 1:
Average throughput: 188.66 Mbit/s
95th percentile per-packet one-way delay: 60.103 ms
Loss rate: 21.85%
-- Flow 2:
Average throughput: 164.21 Mbit/s
95th percentile per-packet one-way delay: 33.031 ms
Loss rate: 15.61%
-- Flow 3:
Average throughput: 156.06 Mbit/s
95th percentile per-packet one-way delay: 34.060 ms
Loss rate: 7.19%
```

Run 7: Report of Verus — Data Link

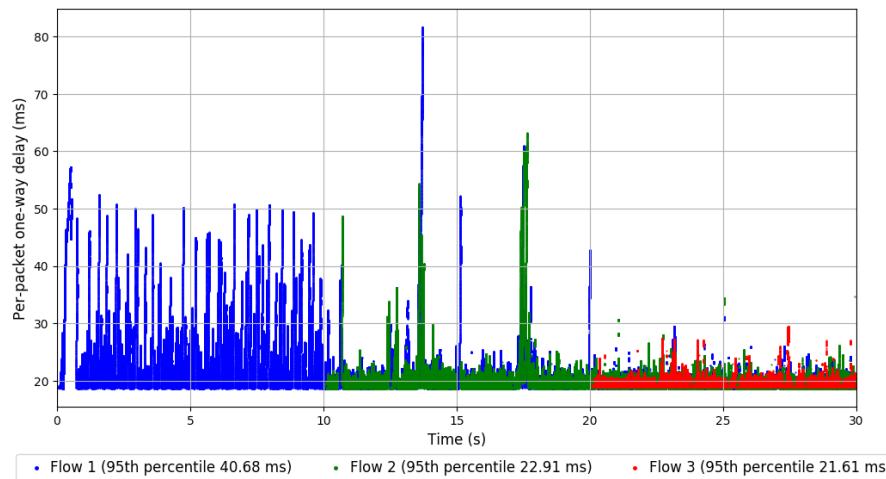
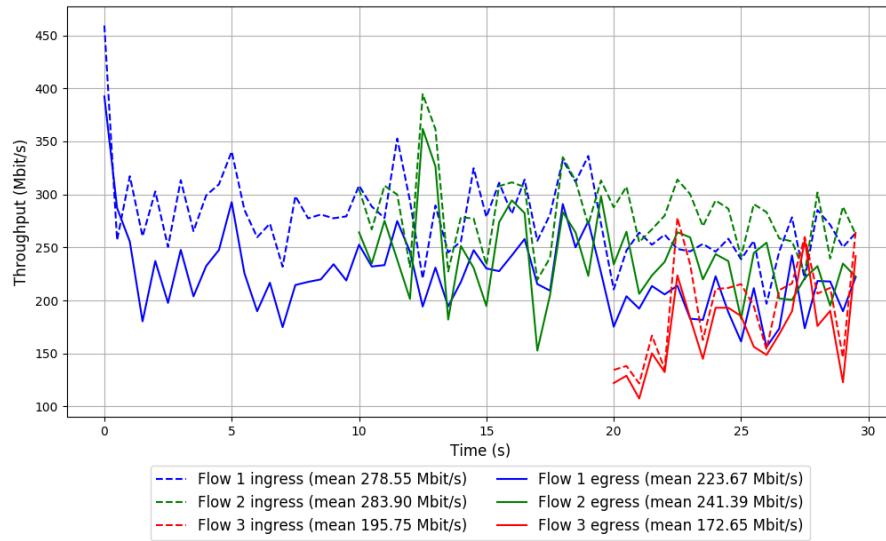


Run 8: Statistics of Verus

```
Start at: 2017-09-22 01:12:02
End at: 2017-09-22 01:12:32
Local clock offset: -0.326 ms
Remote clock offset: -1.908 ms

# Below is generated by plot.py at 2017-09-22 05:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.23 Mbit/s
95th percentile per-packet one-way delay: 31.482 ms
Loss rate: 17.06%
-- Flow 1:
Average throughput: 223.67 Mbit/s
95th percentile per-packet one-way delay: 40.680 ms
Loss rate: 19.70%
-- Flow 2:
Average throughput: 241.39 Mbit/s
95th percentile per-packet one-way delay: 22.915 ms
Loss rate: 14.97%
-- Flow 3:
Average throughput: 172.65 Mbit/s
95th percentile per-packet one-way delay: 21.606 ms
Loss rate: 11.80%
```

Run 8: Report of Verus — Data Link

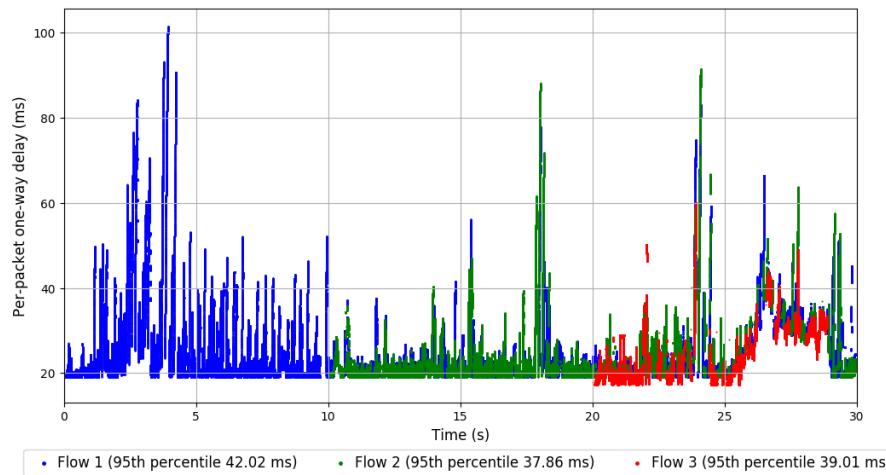
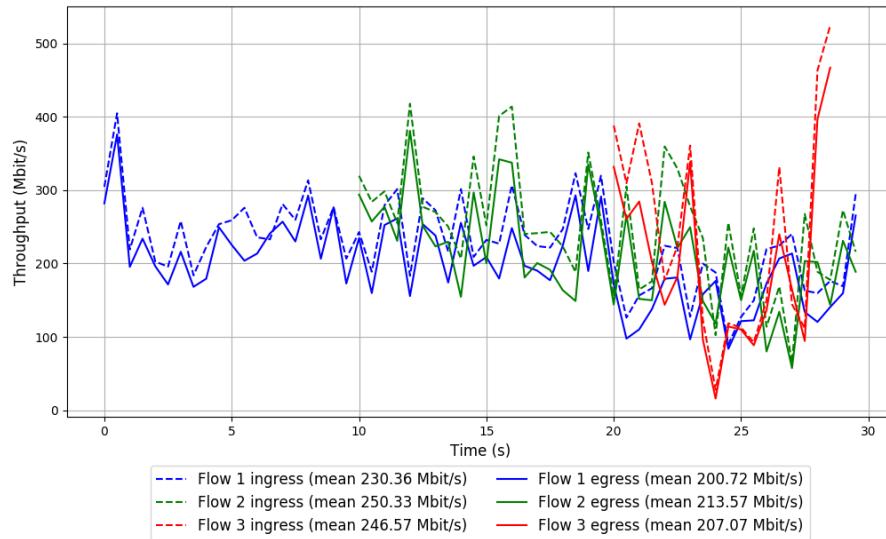


Run 9: Statistics of Verus

```
Start at: 2017-09-22 01:32:14
End at: 2017-09-22 01:32:44
Local clock offset: -0.432 ms
Remote clock offset: -1.896 ms

# Below is generated by plot.py at 2017-09-22 05:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.11 Mbit/s
95th percentile per-packet one-way delay: 40.337 ms
Loss rate: 13.98%
-- Flow 1:
Average throughput: 200.72 Mbit/s
95th percentile per-packet one-way delay: 42.019 ms
Loss rate: 12.86%
-- Flow 2:
Average throughput: 213.57 Mbit/s
95th percentile per-packet one-way delay: 37.857 ms
Loss rate: 14.68%
-- Flow 3:
Average throughput: 207.07 Mbit/s
95th percentile per-packet one-way delay: 39.010 ms
Loss rate: 15.89%
```

Run 9: Report of Verus — Data Link

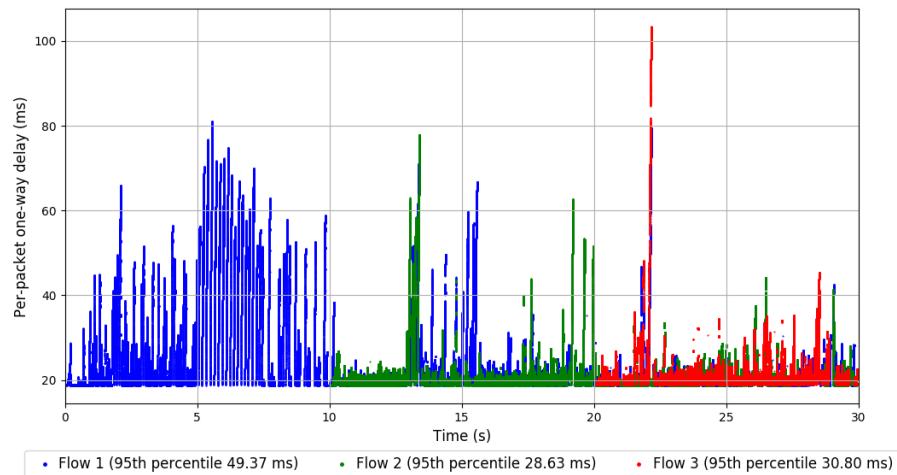
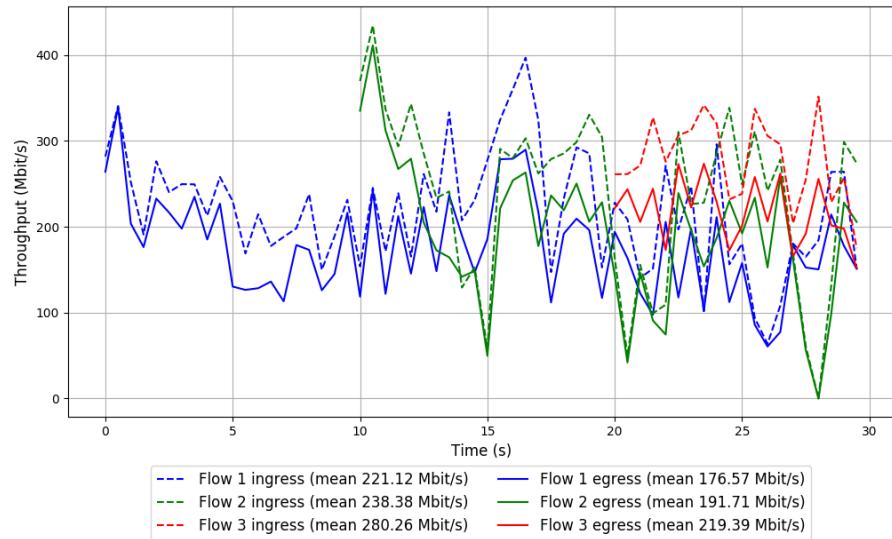


Run 10: Statistics of Verus

```
Start at: 2017-09-22 01:52:33
End at: 2017-09-22 01:53:03
Local clock offset: -0.443 ms
Remote clock offset: -1.825 ms

# Below is generated by plot.py at 2017-09-22 05:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.24 Mbit/s
95th percentile per-packet one-way delay: 41.462 ms
Loss rate: 20.26%
-- Flow 1:
Average throughput: 176.57 Mbit/s
95th percentile per-packet one-way delay: 49.368 ms
Loss rate: 20.15%
-- Flow 2:
Average throughput: 191.71 Mbit/s
95th percentile per-packet one-way delay: 28.633 ms
Loss rate: 19.57%
-- Flow 3:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 30.798 ms
Loss rate: 21.72%
```

Run 10: Report of Verus — Data Link

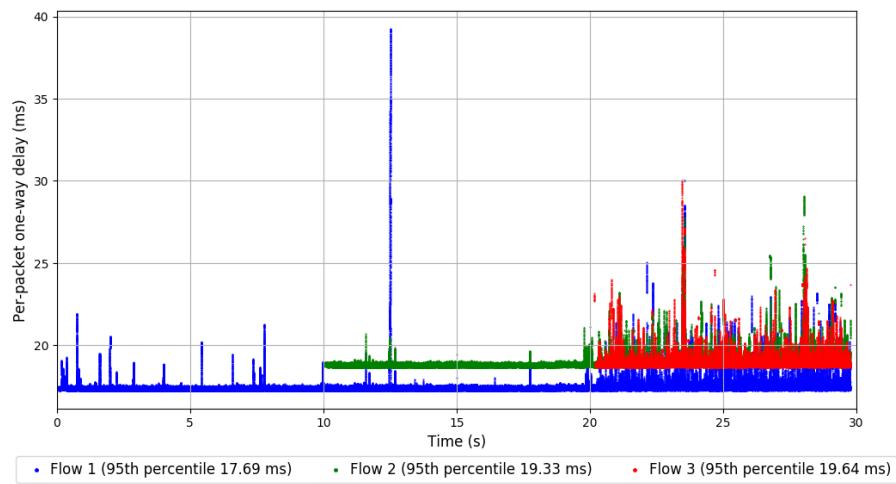
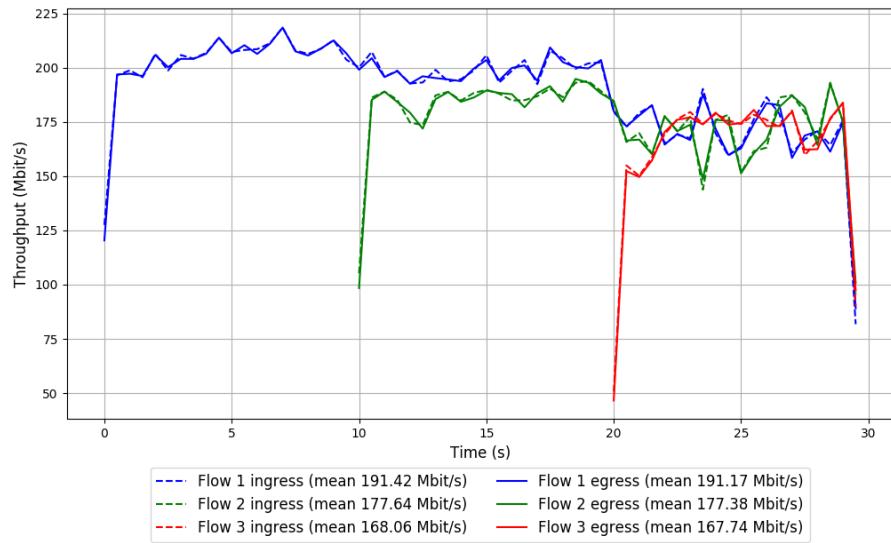


Run 1: Statistics of Indigo

```
Start at: 2017-09-21 23:08:32
End at: 2017-09-21 23:09:02
Local clock offset: 0.136 ms
Remote clock offset: -1.597 ms

# Below is generated by plot.py at 2017-09-22 05:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.90 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 191.17 Mbit/s
95th percentile per-packet one-way delay: 17.689 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 177.38 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 167.74 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.19%
```

Run 1: Report of Indigo — Data Link

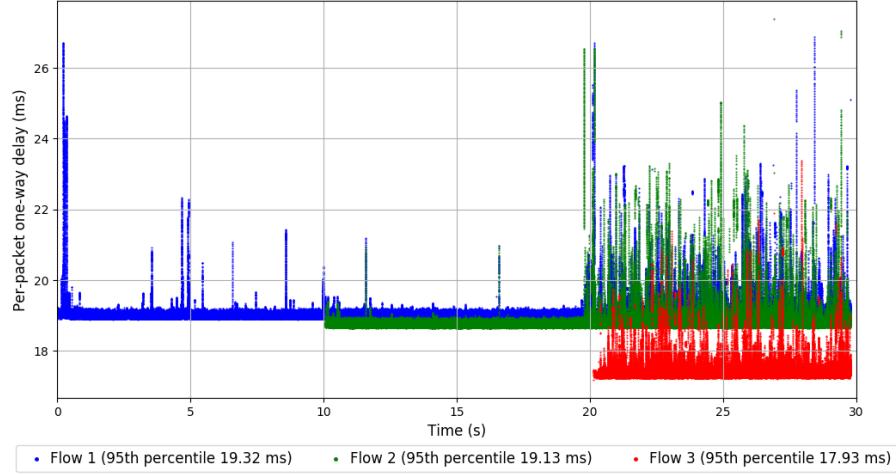
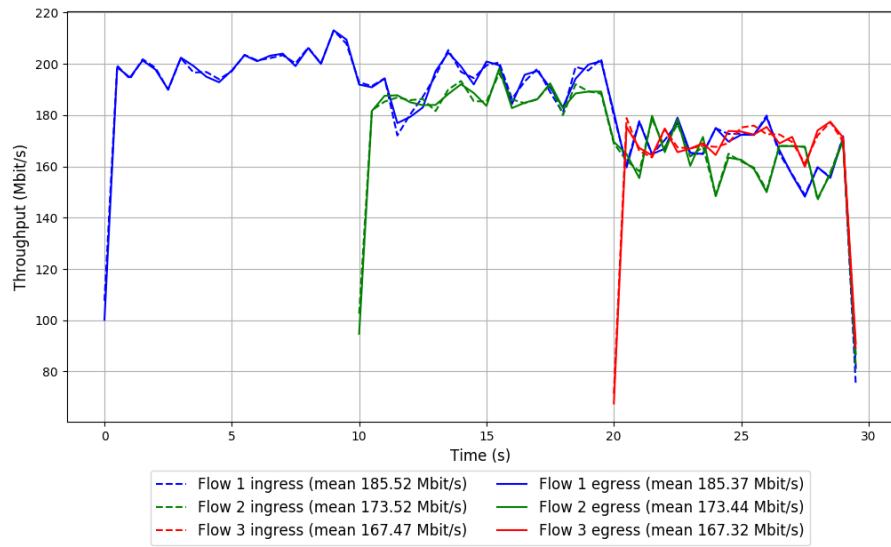


Run 2: Statistics of Indigo

```
Start at: 2017-09-21 23:28:15
End at: 2017-09-21 23:28:45
Local clock offset: 0.1 ms
Remote clock offset: -2.027 ms

# Below is generated by plot.py at 2017-09-22 05:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.58 Mbit/s
95th percentile per-packet one-way delay: 19.221 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 185.37 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 173.44 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 167.32 Mbit/s
95th percentile per-packet one-way delay: 17.927 ms
Loss rate: 0.09%
```

Run 2: Report of Indigo — Data Link

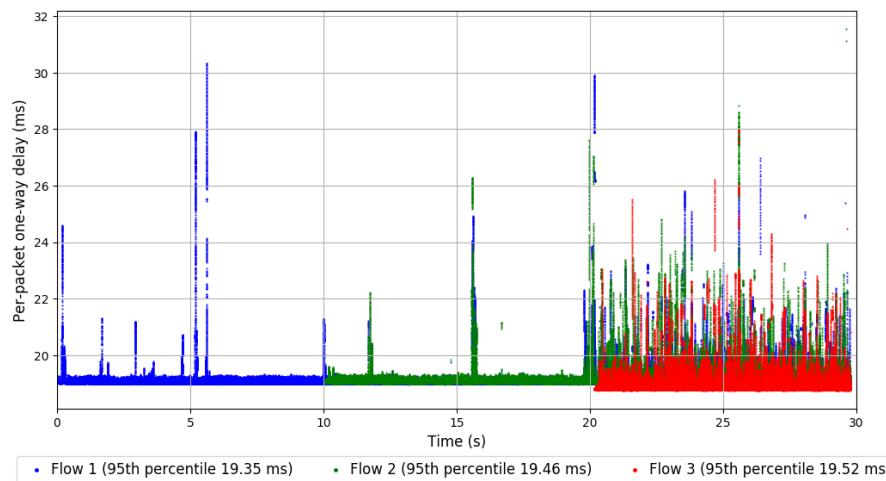
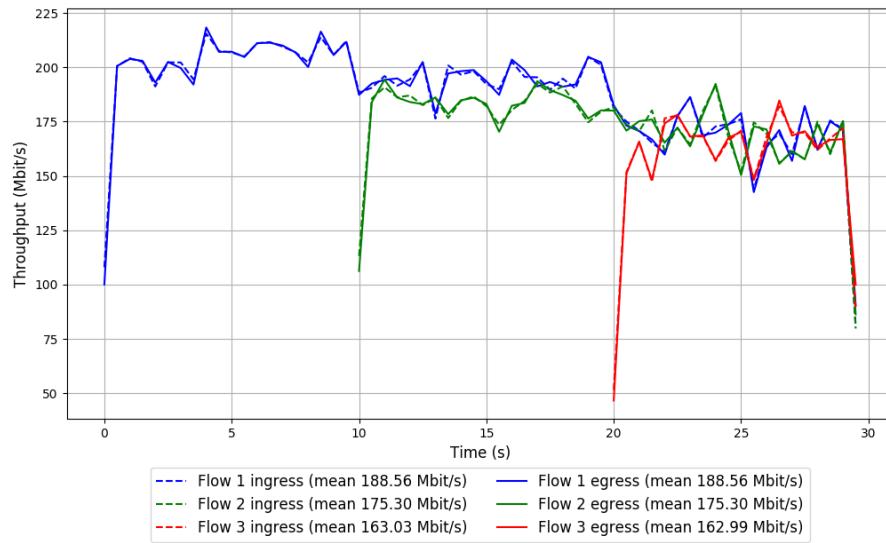


Run 3: Statistics of Indigo

```
Start at: 2017-09-21 23:47:59
End at: 2017-09-21 23:48:29
Local clock offset: 0.139 ms
Remote clock offset: -1.843 ms

# Below is generated by plot.py at 2017-09-22 05:16:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.29 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.56 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.30 Mbit/s
95th percentile per-packet one-way delay: 19.463 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.99 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

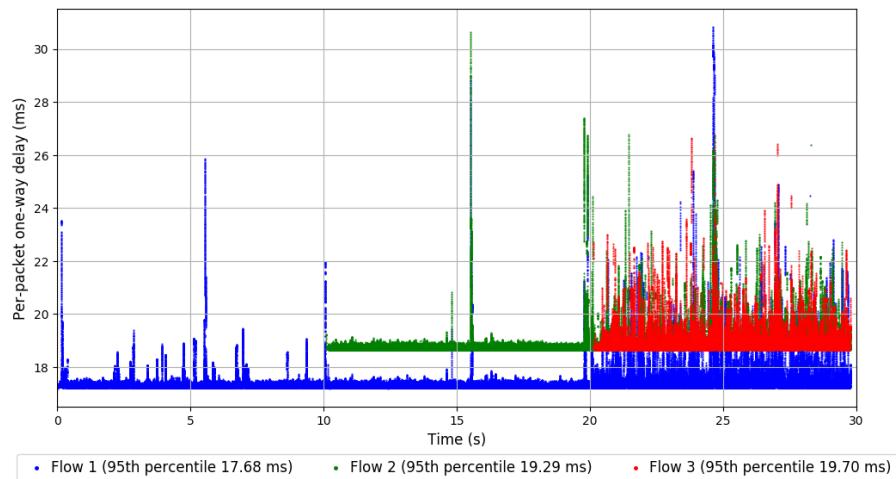
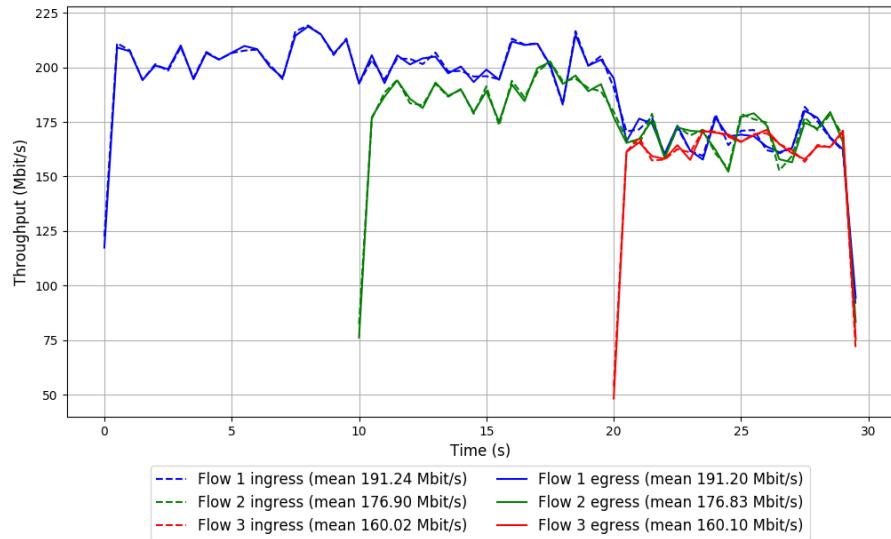


Run 4: Statistics of Indigo

```
Start at: 2017-09-22 00:08:19
End at: 2017-09-22 00:08:49
Local clock offset: 0.305 ms
Remote clock offset: -1.931 ms

# Below is generated by plot.py at 2017-09-22 05:18:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.99 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 191.20 Mbit/s
95th percentile per-packet one-way delay: 17.678 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 176.83 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 160.10 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo — Data Link

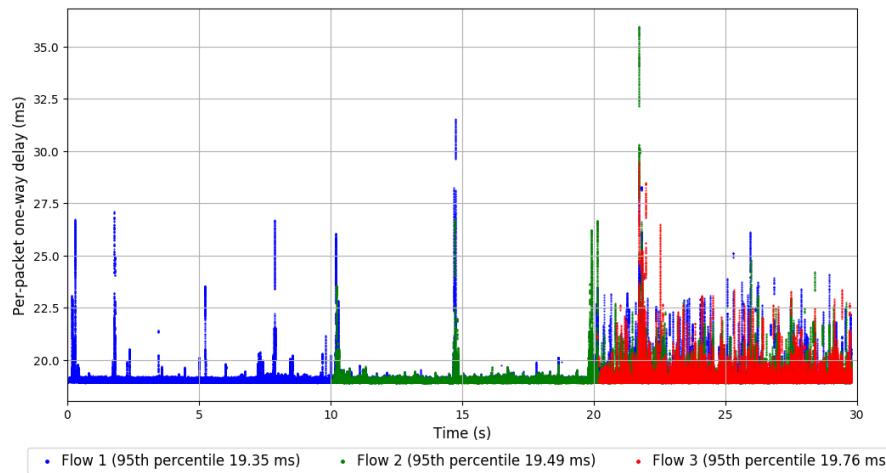
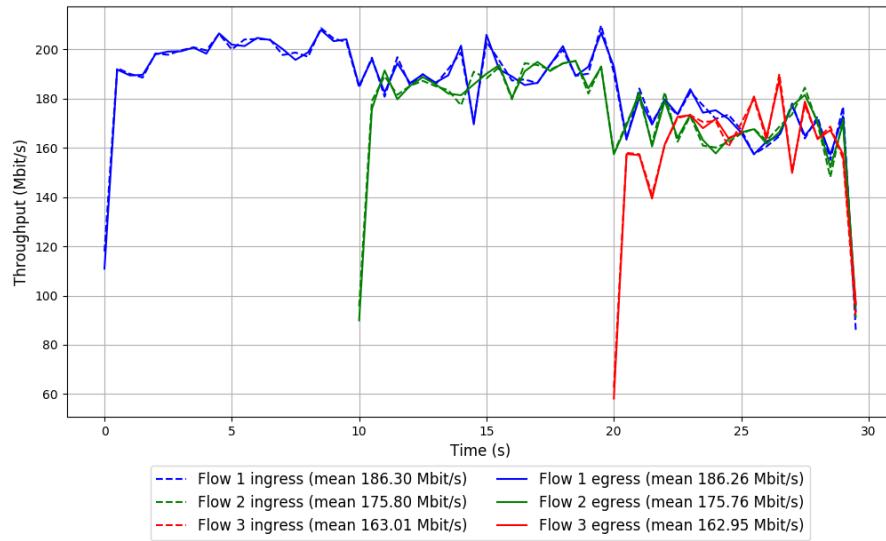


Run 5: Statistics of Indigo

```
Start at: 2017-09-22 00:28:33
End at: 2017-09-22 00:29:03
Local clock offset: 0.291 ms
Remote clock offset: -1.827 ms

# Below is generated by plot.py at 2017-09-22 05:18:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.49 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 186.26 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 175.76 Mbit/s
95th percentile per-packet one-way delay: 19.487 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 162.95 Mbit/s
95th percentile per-packet one-way delay: 19.759 ms
Loss rate: 0.06%
```

Run 5: Report of Indigo — Data Link

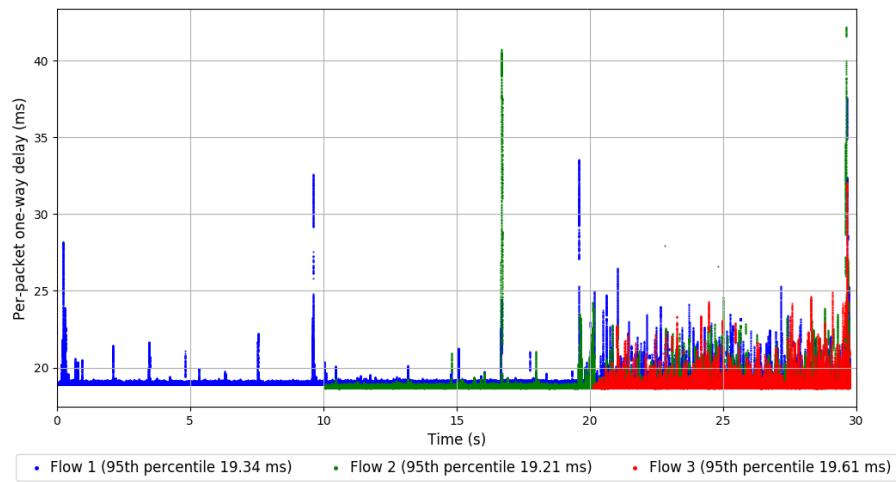
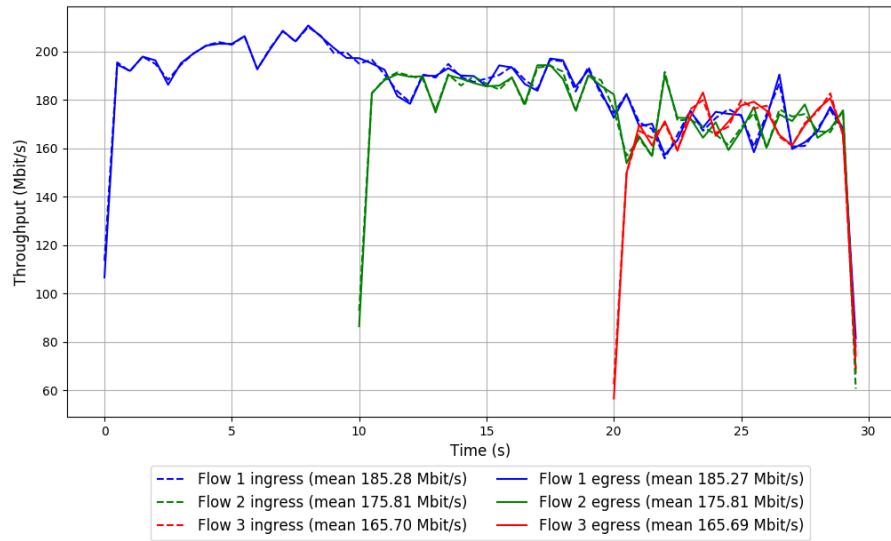


Run 6: Statistics of Indigo

```
Start at: 2017-09-22 00:48:55
End at: 2017-09-22 00:49:25
Local clock offset: 0.082 ms
Remote clock offset: -1.726 ms

# Below is generated by plot.py at 2017-09-22 05:20:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.29 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.27 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.69 Mbit/s
95th percentile per-packet one-way delay: 19.607 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

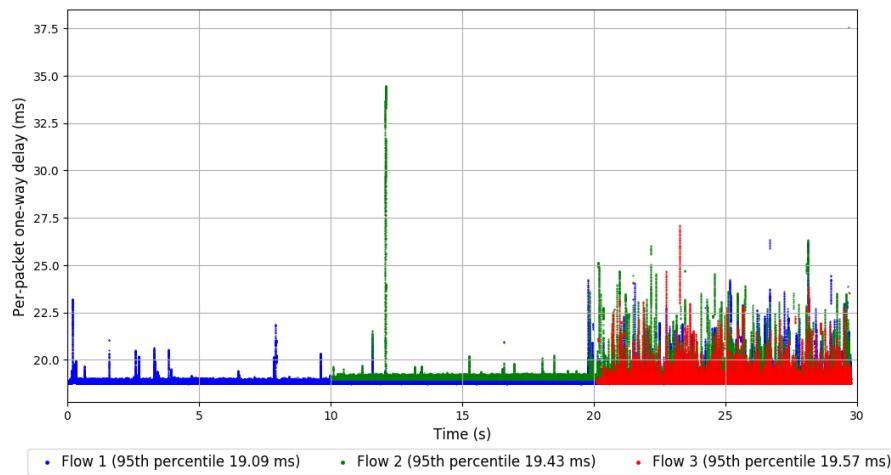
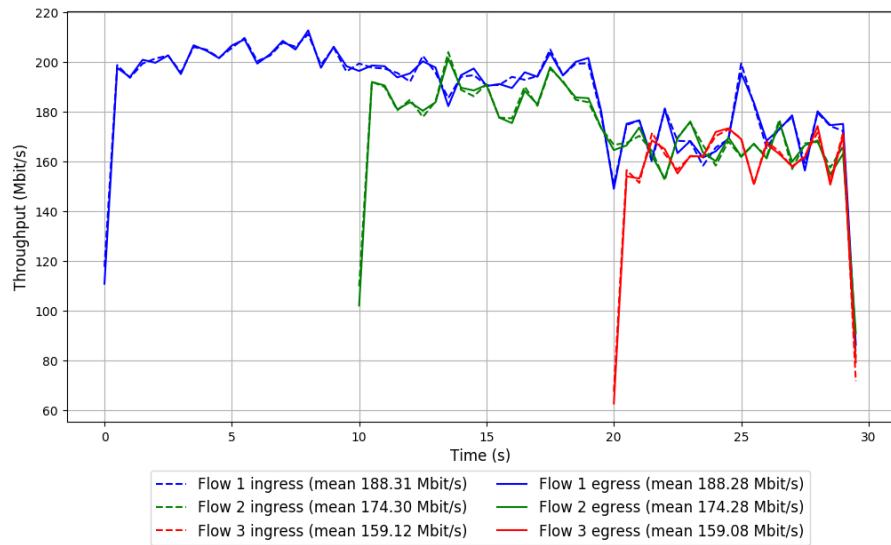


Run 7: Statistics of Indigo

```
Start at: 2017-09-22 01:09:08
End at: 2017-09-22 01:09:38
Local clock offset: -0.307 ms
Remote clock offset: -1.817 ms

# Below is generated by plot.py at 2017-09-22 05:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.49 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 188.28 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 174.28 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 159.08 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.03%
```

Run 7: Report of Indigo — Data Link

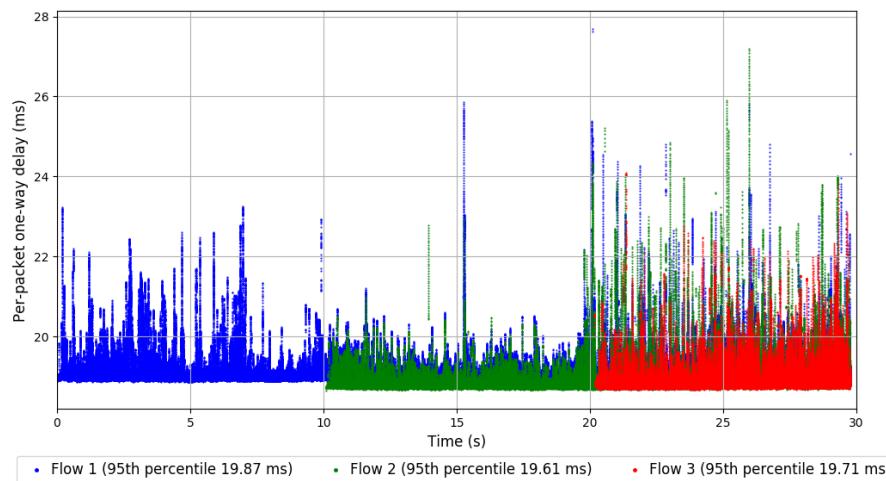
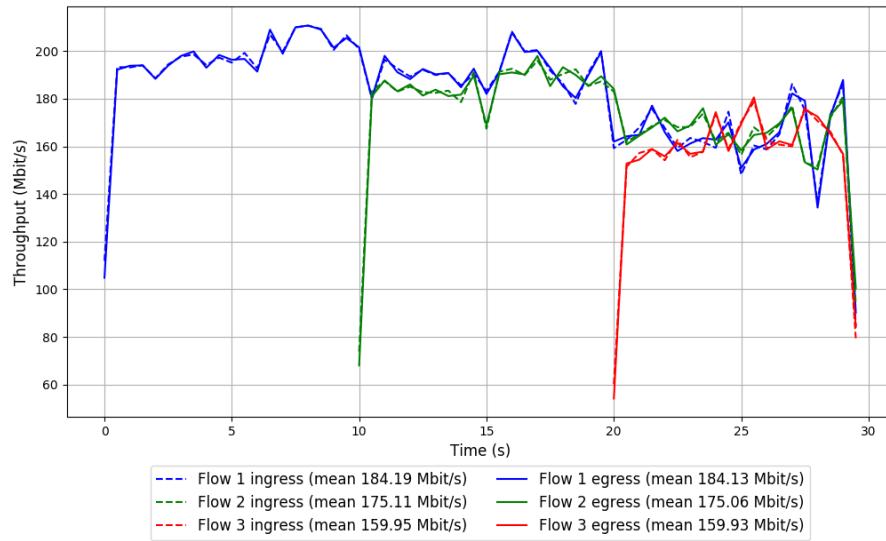


Run 8: Statistics of Indigo

```
Start at: 2017-09-22 01:29:22
End at: 2017-09-22 01:29:52
Local clock offset: -0.346 ms
Remote clock offset: -1.883 ms

# Below is generated by plot.py at 2017-09-22 05:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.39 Mbit/s
95th percentile per-packet one-way delay: 19.775 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 184.13 Mbit/s
95th percentile per-packet one-way delay: 19.871 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 175.06 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 159.93 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.03%
```

Run 8: Report of Indigo — Data Link

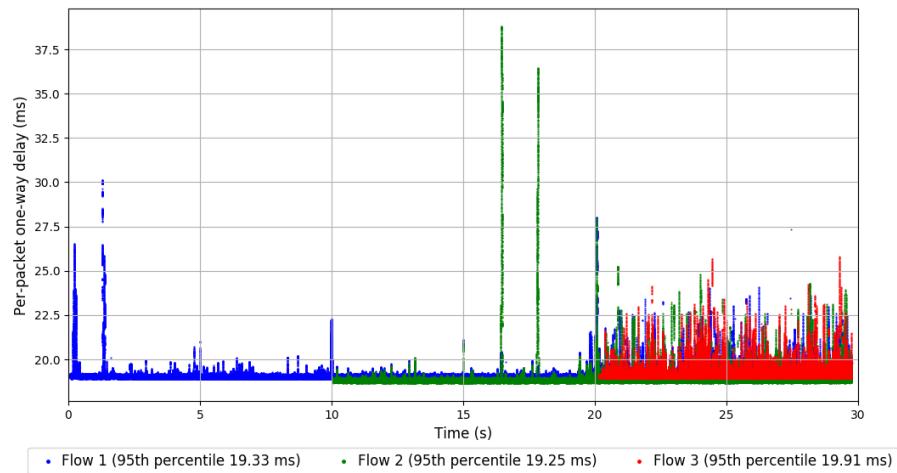
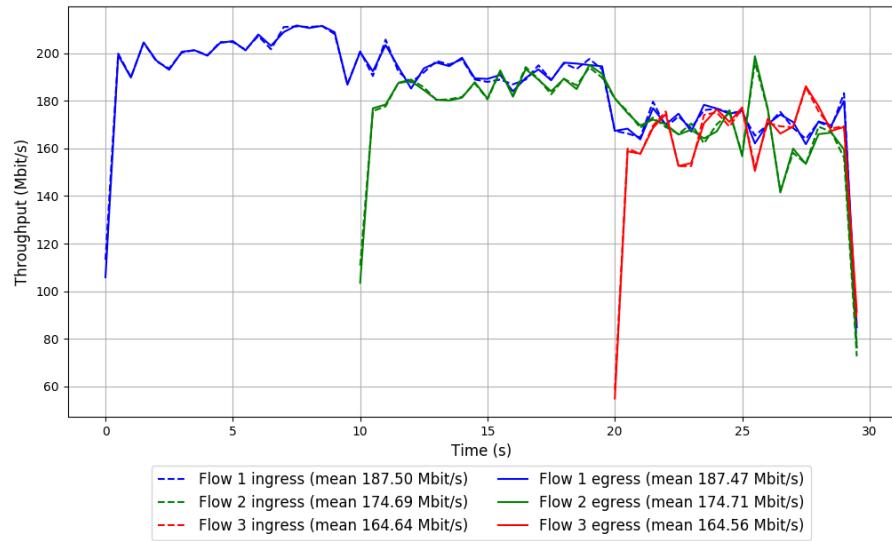


Run 9: Statistics of Indigo

```
Start at: 2017-09-22 01:49:33
End at: 2017-09-22 01:50:03
Local clock offset: -0.444 ms
Remote clock offset: -1.922 ms

# Below is generated by plot.py at 2017-09-22 05:20:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.60 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 187.47 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 174.71 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 164.56 Mbit/s
95th percentile per-packet one-way delay: 19.905 ms
Loss rate: 0.06%
```

Run 9: Report of Indigo — Data Link

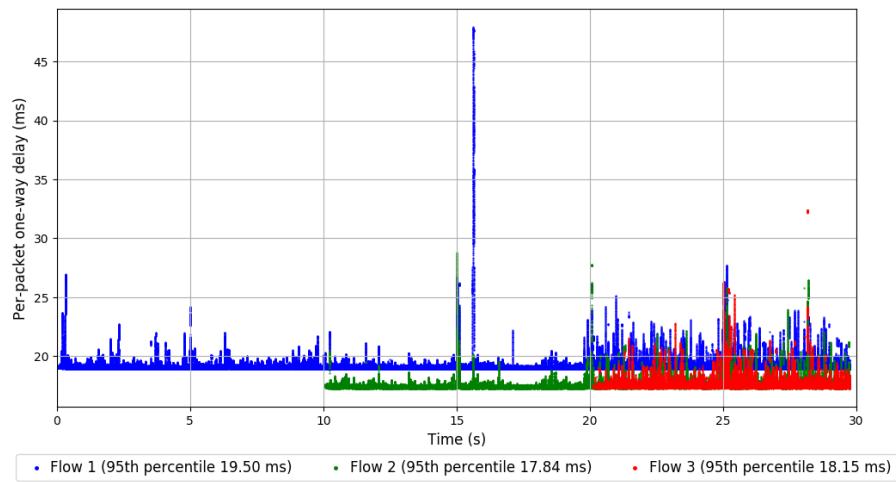
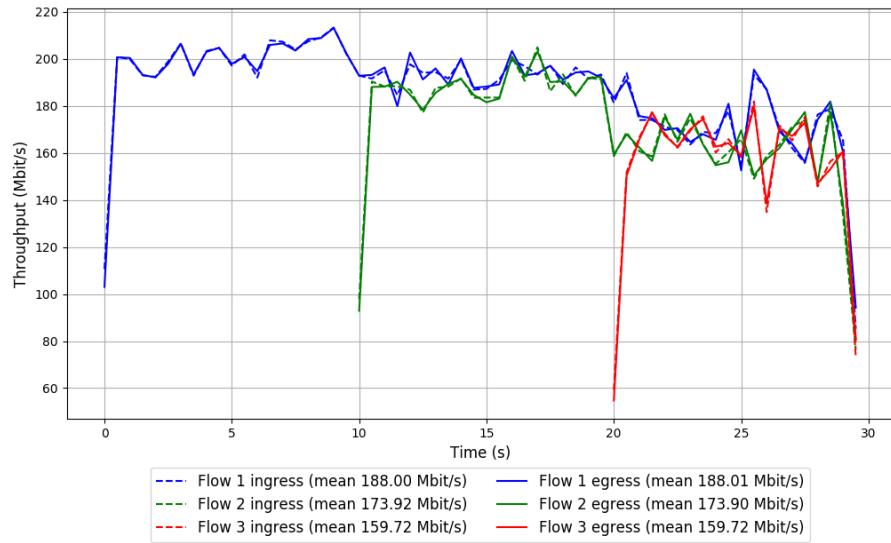


Run 10: Statistics of Indigo

```
Start at: 2017-09-22 02:09:45
End at: 2017-09-22 02:10:15
Local clock offset: -0.35 ms
Remote clock offset: -1.667 ms

# Below is generated by plot.py at 2017-09-22 05:21:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.97 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 19.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.90 Mbit/s
95th percentile per-packet one-way delay: 17.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.72 Mbit/s
95th percentile per-packet one-way delay: 18.149 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

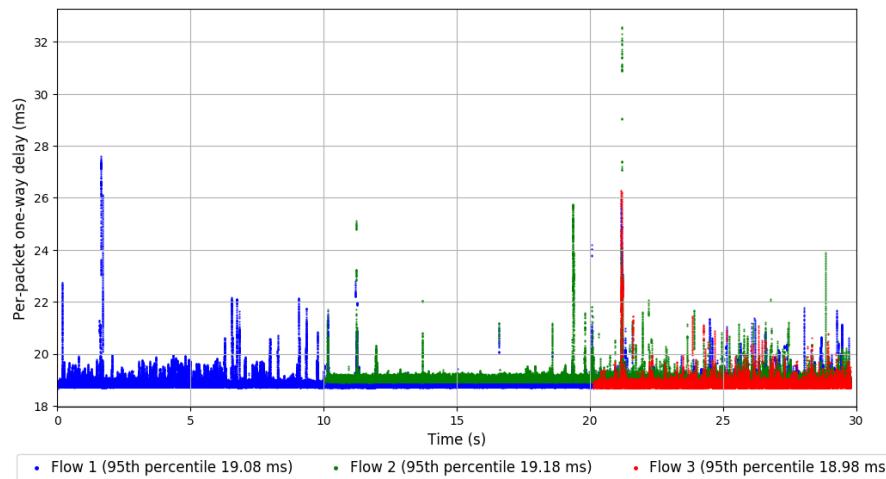
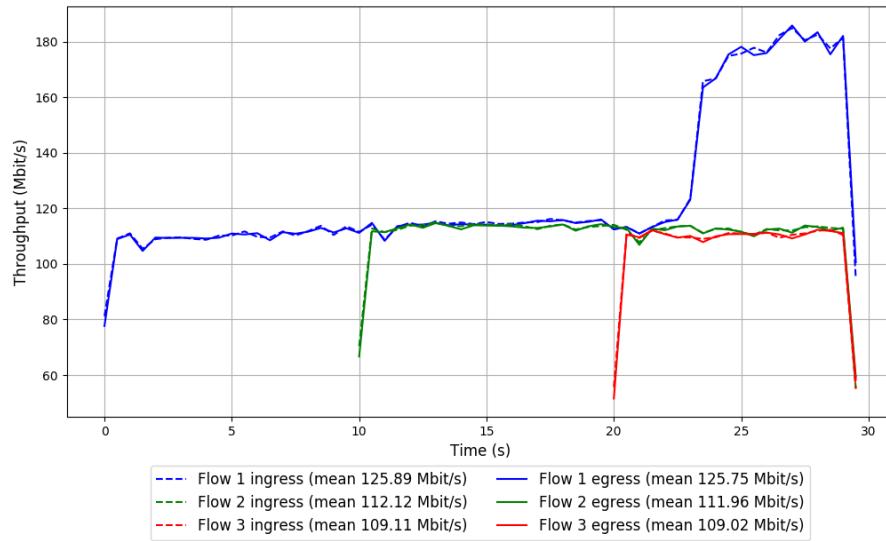


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 23:05:53
End at: 2017-09-21 23:06:23
Local clock offset: 0.242 ms
Remote clock offset: -1.402 ms

# Below is generated by plot.py at 2017-09-22 05:21:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 125.75 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 111.96 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 109.02 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo-calib — Data Link

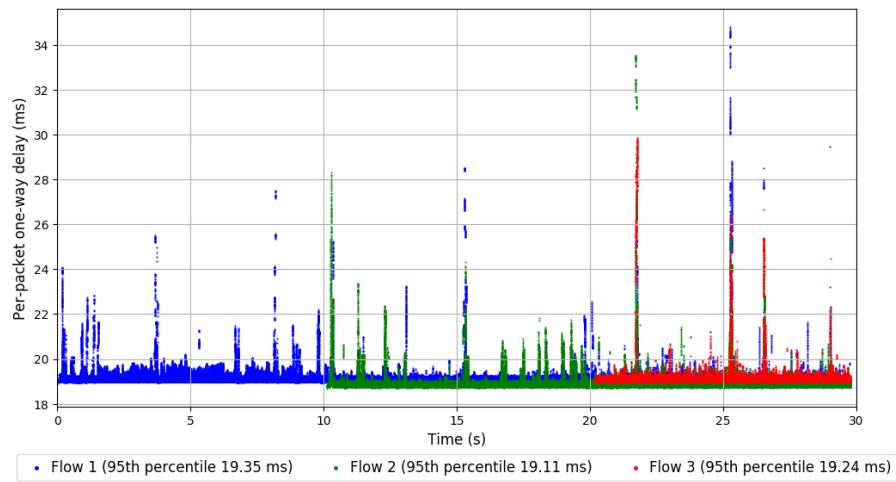
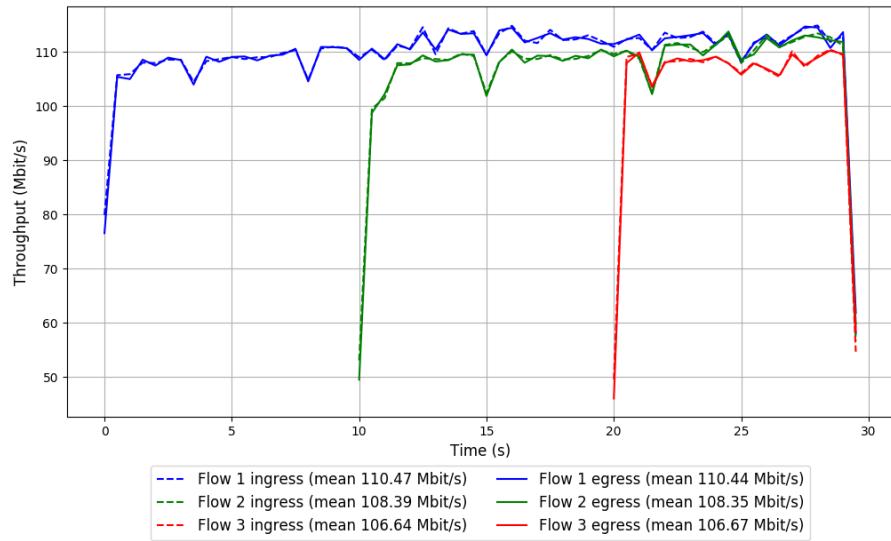


Run 2: Statistics of Indigo-calib

```
Start at: 2017-09-21 23:25:39
End at: 2017-09-21 23:26:09
Local clock offset: 0.097 ms
Remote clock offset: -1.932 ms

# Below is generated by plot.py at 2017-09-22 05:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 216.42 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 110.44 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 108.35 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 106.67 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.06%
```

Run 2: Report of Indigo-calib — Data Link

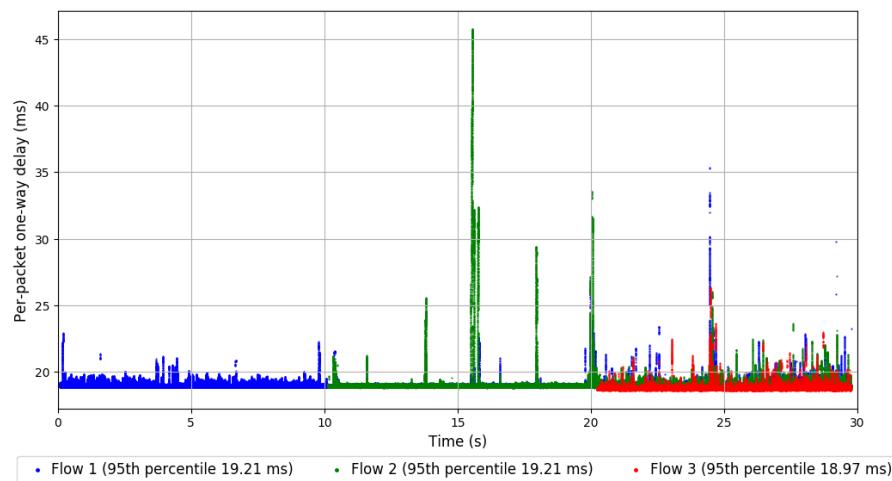
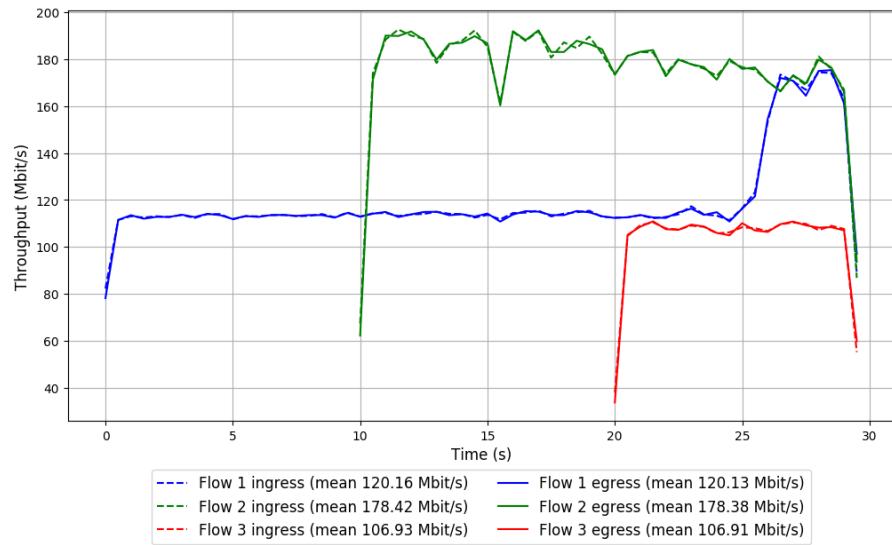


Run 3: Statistics of Indigo-calib

```
Start at: 2017-09-21 23:45:20
End at: 2017-09-21 23:45:50
Local clock offset: 0.231 ms
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2017-09-22 05:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.18 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 120.13 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.38 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-calib — Data Link

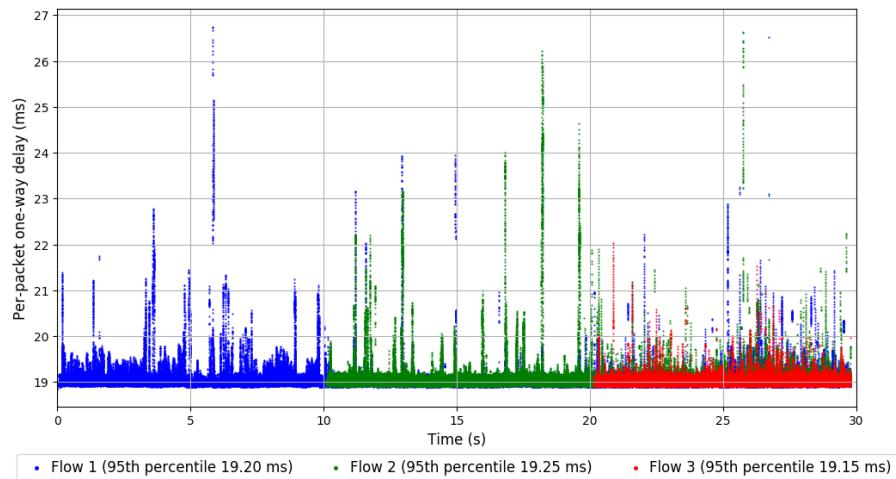
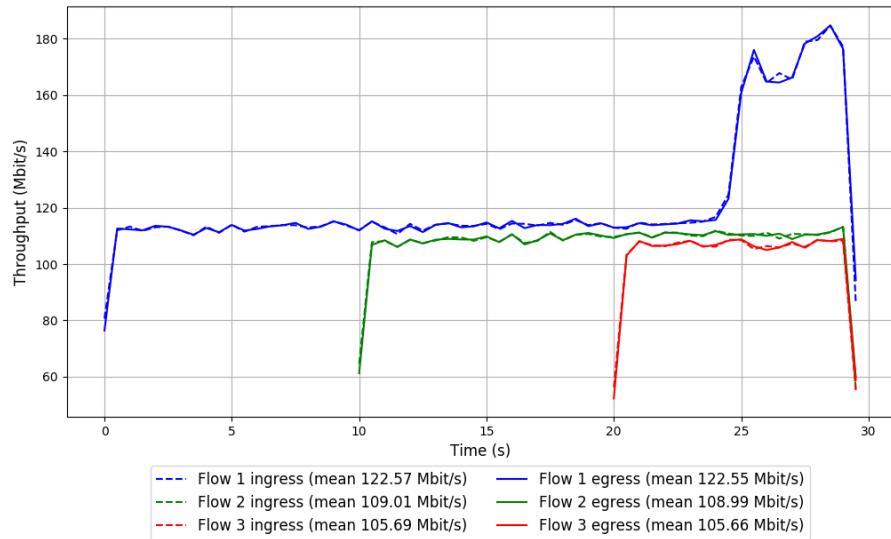


Run 4: Statistics of Indigo-calib

```
Start at: 2017-09-22 00:05:31
End at: 2017-09-22 00:06:01
Local clock offset: 0.375 ms
Remote clock offset: -1.822 ms

# Below is generated by plot.py at 2017-09-22 05:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 122.55 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 105.66 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo-calib — Data Link

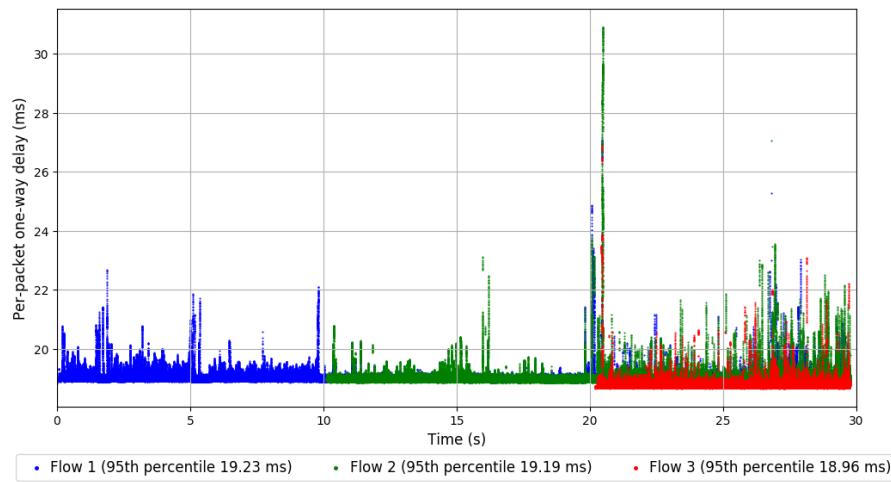
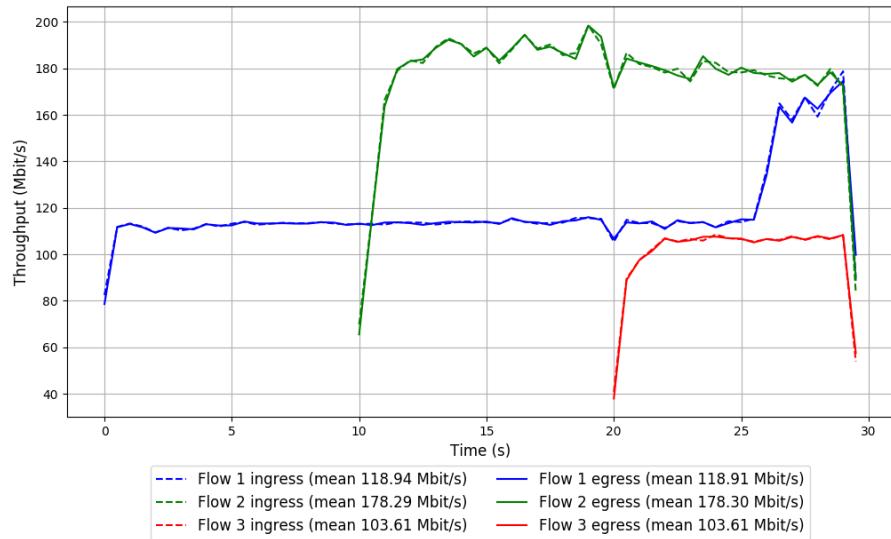


Run 5: Statistics of Indigo-calib

```
Start at: 2017-09-22 00:25:37
End at: 2017-09-22 00:26:07
Local clock offset: 0.42 ms
Remote clock offset: -1.79 ms

# Below is generated by plot.py at 2017-09-22 05:24:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.15 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 118.91 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 178.30 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.61 Mbit/s
95th percentile per-packet one-way delay: 18.964 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo-calib — Data Link

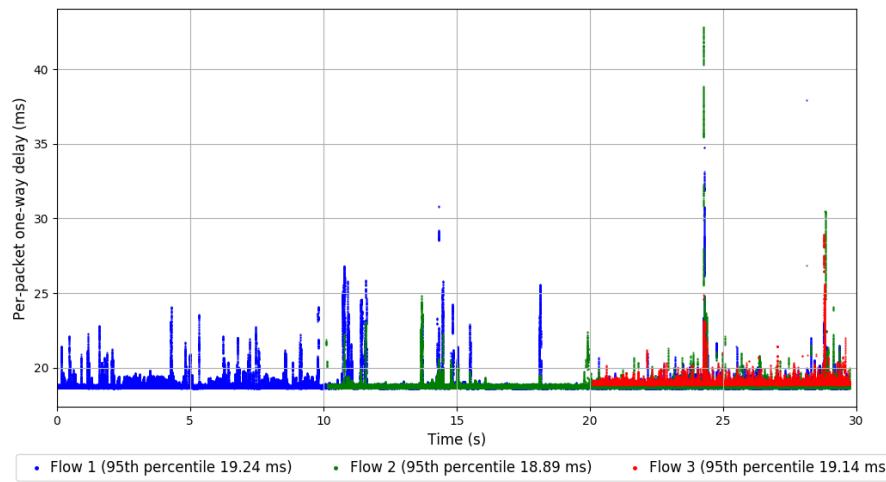
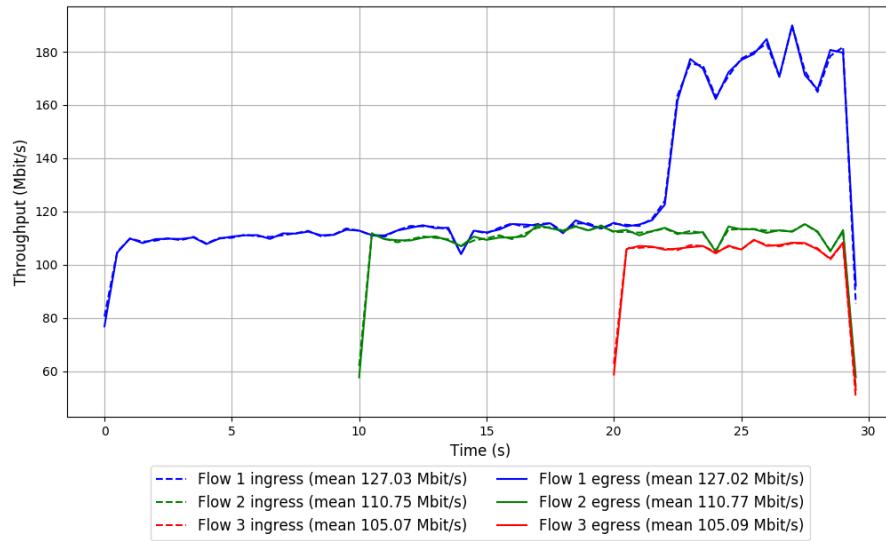


Run 6: Statistics of Indigo-calib

```
Start at: 2017-09-22 00:46:05
End at: 2017-09-22 00:46:35
Local clock offset: 0.111 ms
Remote clock offset: -1.767 ms

# Below is generated by plot.py at 2017-09-22 05:24:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.33 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.02 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 110.77 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.09 Mbit/s
95th percentile per-packet one-way delay: 19.135 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-calib — Data Link

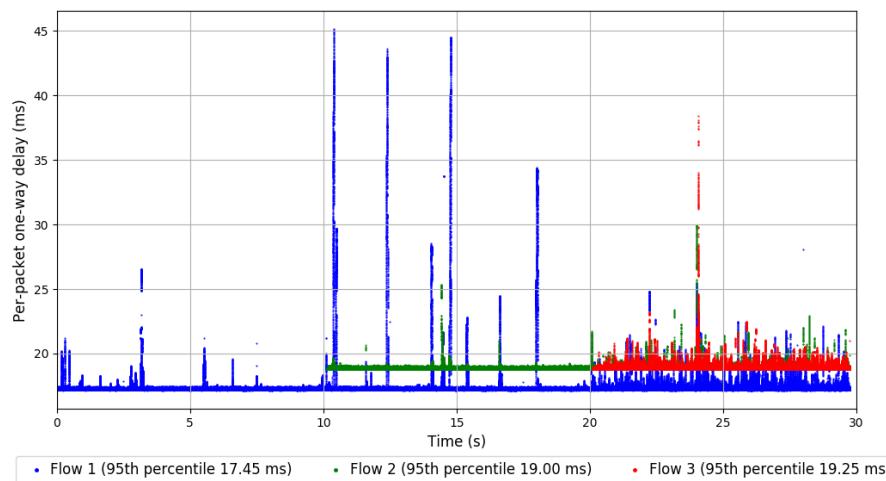
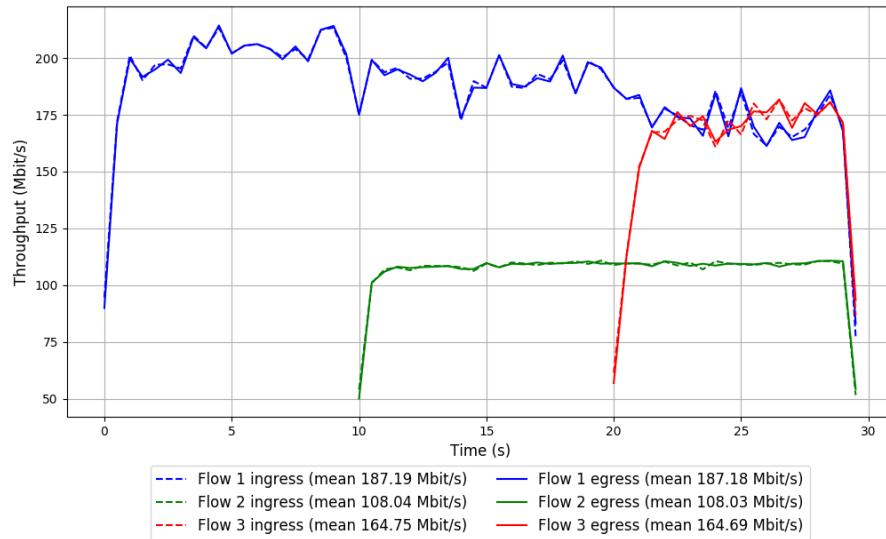


Run 7: Statistics of Indigo-calib

```
Start at: 2017-09-22 01:06:26
End at: 2017-09-22 01:06:56
Local clock offset: -0.171 ms
Remote clock offset: -1.897 ms

# Below is generated by plot.py at 2017-09-22 05:25:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.87 Mbit/s
95th percentile per-packet one-way delay: 18.979 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.18 Mbit/s
95th percentile per-packet one-way delay: 17.447 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.03 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 164.69 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.02%
```

Run 7: Report of Indigo-calib — Data Link

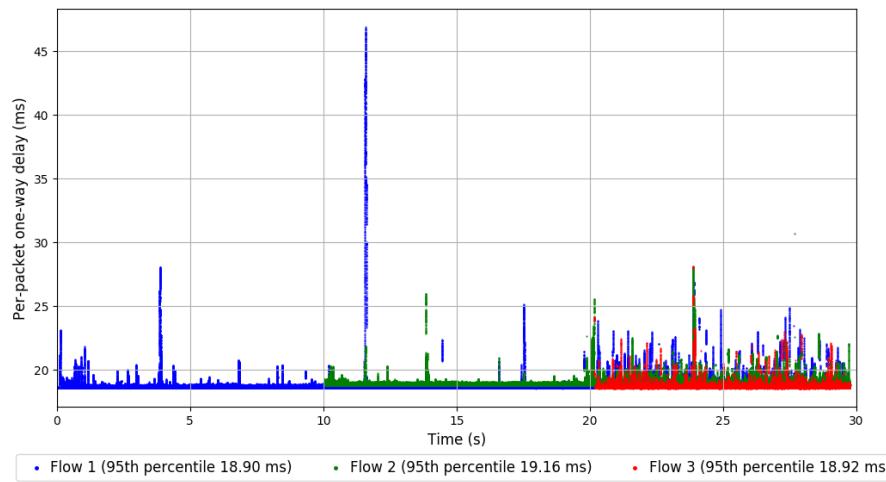
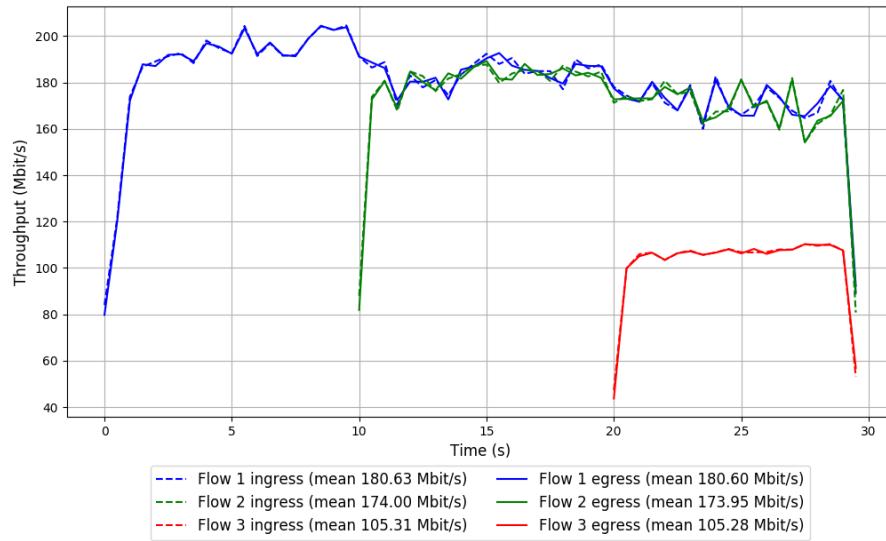


Run 8: Statistics of Indigo-calib

```
Start at: 2017-09-22 01:26:36
End at: 2017-09-22 01:27:06
Local clock offset: -0.341 ms
Remote clock offset: -1.945 ms

# Below is generated by plot.py at 2017-09-22 05:25:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.03 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 180.60 Mbit/s
95th percentile per-packet one-way delay: 18.904 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 173.95 Mbit/s
95th percentile per-packet one-way delay: 19.159 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 105.28 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.06%
```

Run 8: Report of Indigo-calib — Data Link

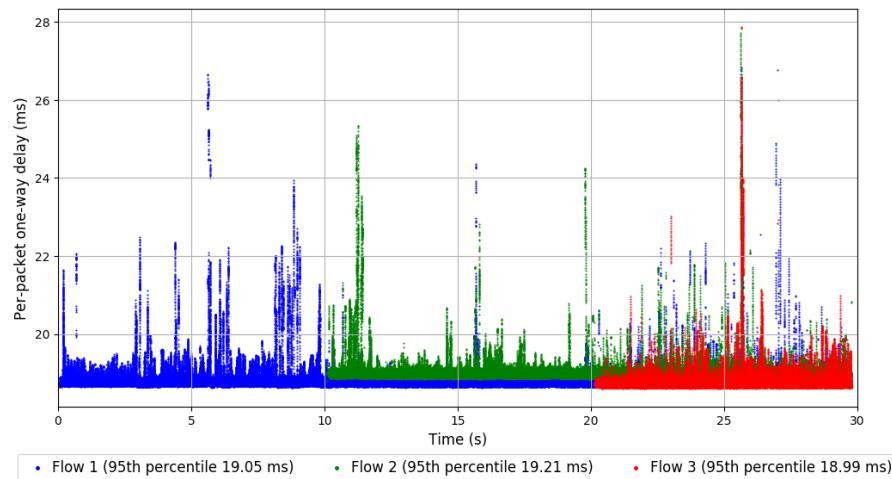
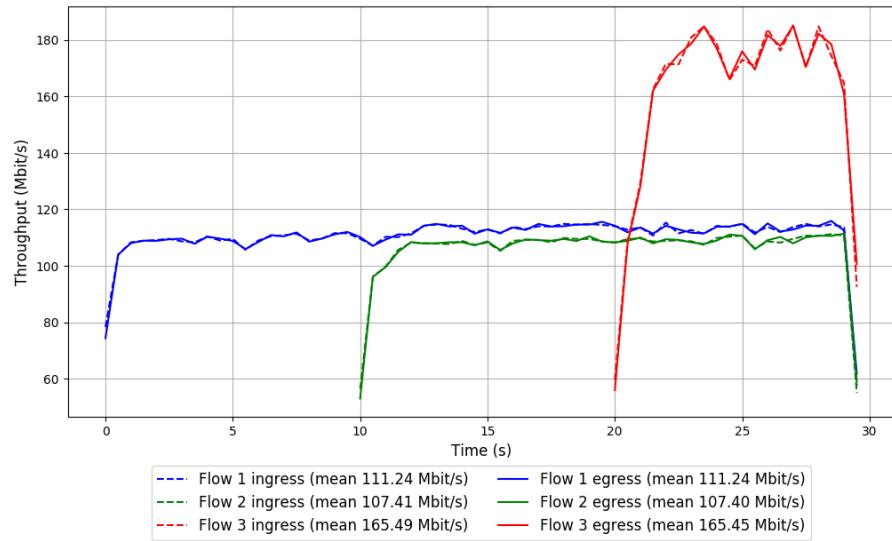


Run 9: Statistics of Indigo-calib

```
Start at: 2017-09-22 01:46:44
End at: 2017-09-22 01:47:14
Local clock offset: -0.358 ms
Remote clock offset: -1.875 ms

# Below is generated by plot.py at 2017-09-22 05:25:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.81 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 111.24 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 107.40 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 165.45 Mbit/s
95th percentile per-packet one-way delay: 18.994 ms
Loss rate: 0.04%
```

Run 9: Report of Indigo-calib — Data Link

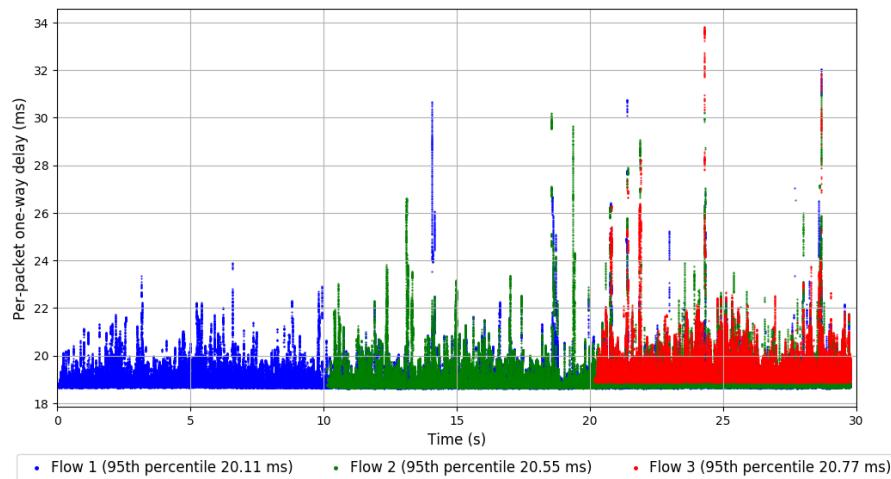
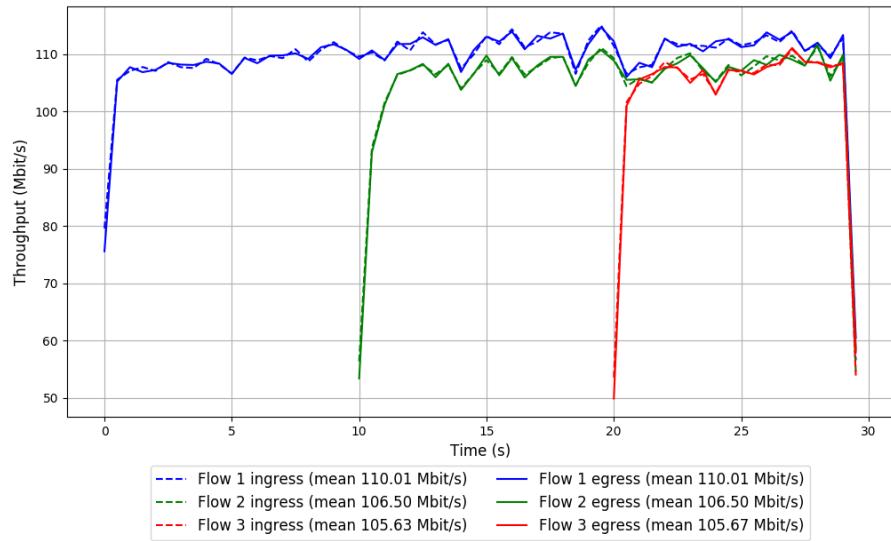


Run 10: Statistics of Indigo-calib

```
Start at: 2017-09-22 02:07:11
End at: 2017-09-22 02:07:41
Local clock offset: -0.354 ms
Remote clock offset: -1.74 ms

# Below is generated by plot.py at 2017-09-22 05:25:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.50 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.01 Mbit/s
95th percentile per-packet one-way delay: 20.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.50 Mbit/s
95th percentile per-packet one-way delay: 20.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.67 Mbit/s
95th percentile per-packet one-way delay: 20.765 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-calib — Data Link

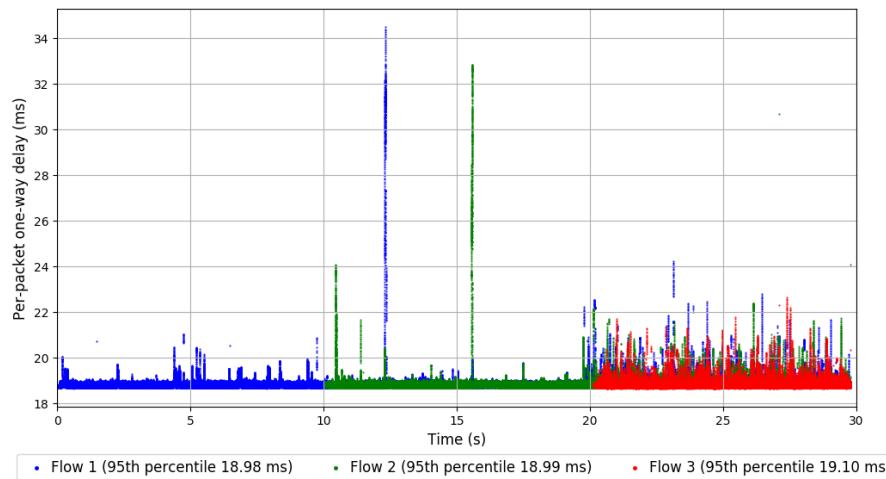
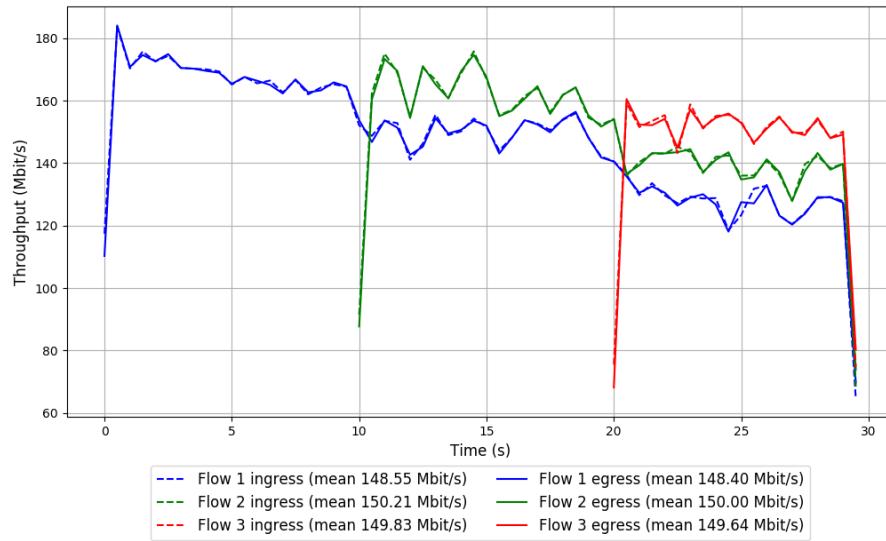


Run 1: Statistics of Indigo-delay

```
Start at: 2017-09-21 23:02:05
End at: 2017-09-21 23:02:35
Local clock offset: 0.157 ms
Remote clock offset: -1.396 ms

# Below is generated by plot.py at 2017-09-22 05:26:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.30 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 148.40 Mbit/s
95th percentile per-packet one-way delay: 18.979 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 150.00 Mbit/s
95th percentile per-packet one-way delay: 18.991 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 149.64 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.12%
```

Run 1: Report of Indigo-delay — Data Link

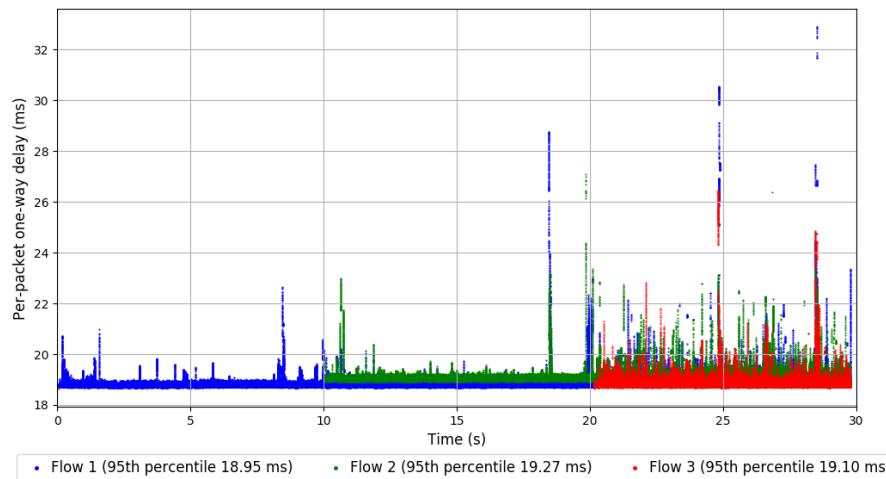
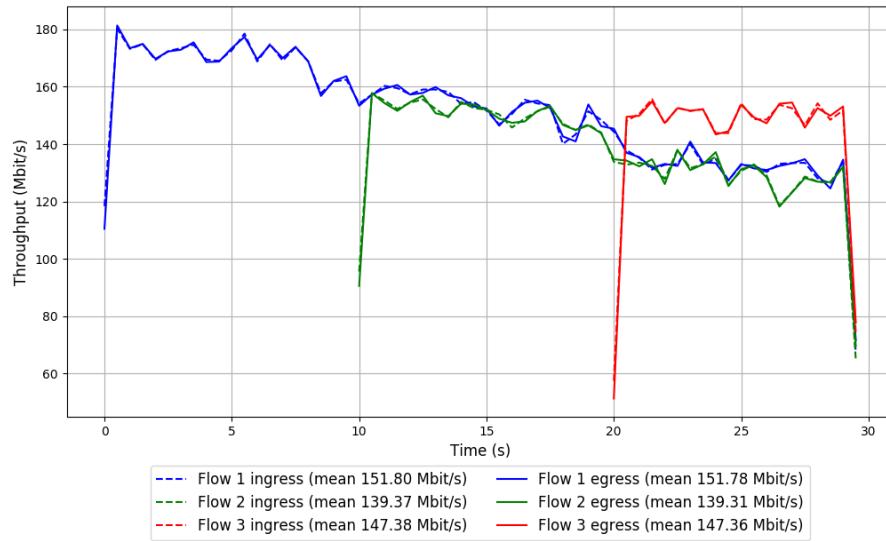


Run 2: Statistics of Indigo-delay

```
Start at: 2017-09-21 23:21:51
End at: 2017-09-21 23:22:21
Local clock offset: 0.109 ms
Remote clock offset: -1.905 ms

# Below is generated by plot.py at 2017-09-22 05:26:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.83 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 151.78 Mbit/s
95th percentile per-packet one-way delay: 18.954 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 139.31 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 147.36 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo-delay — Data Link

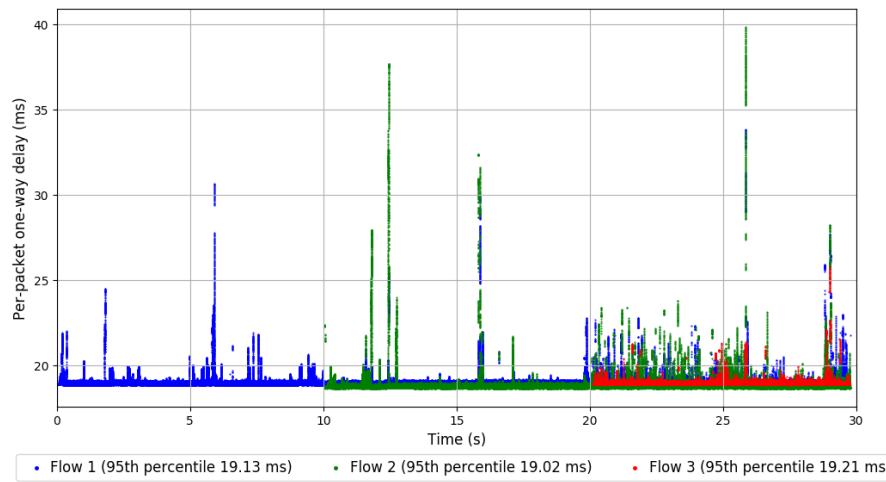
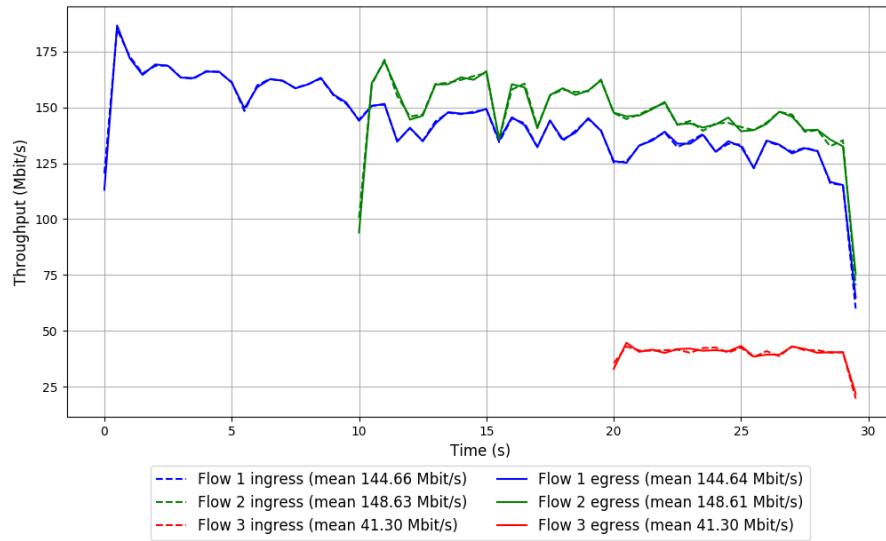


Run 3: Statistics of Indigo-delay

```
Start at: 2017-09-21 23:41:34
End at: 2017-09-21 23:42:04
Local clock offset: 0.117 ms
Remote clock offset: -2.025 ms

# Below is generated by plot.py at 2017-09-22 05:27:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.58 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 144.64 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 148.61 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-delay — Data Link

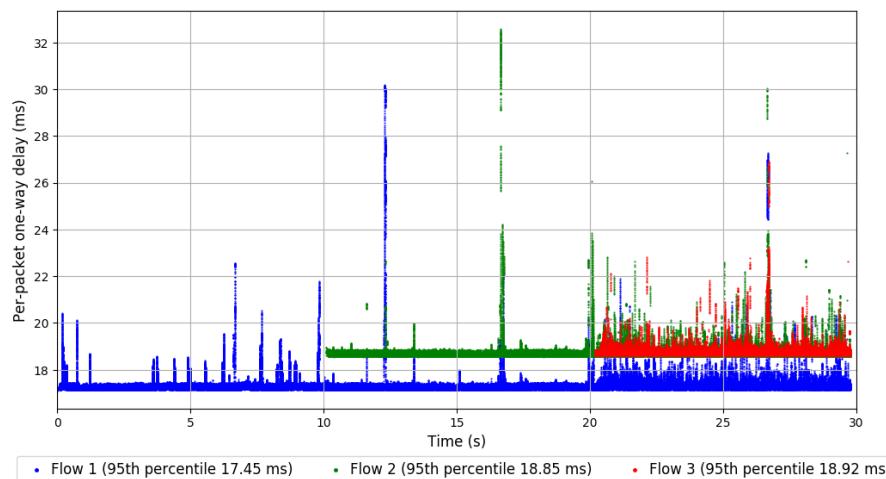
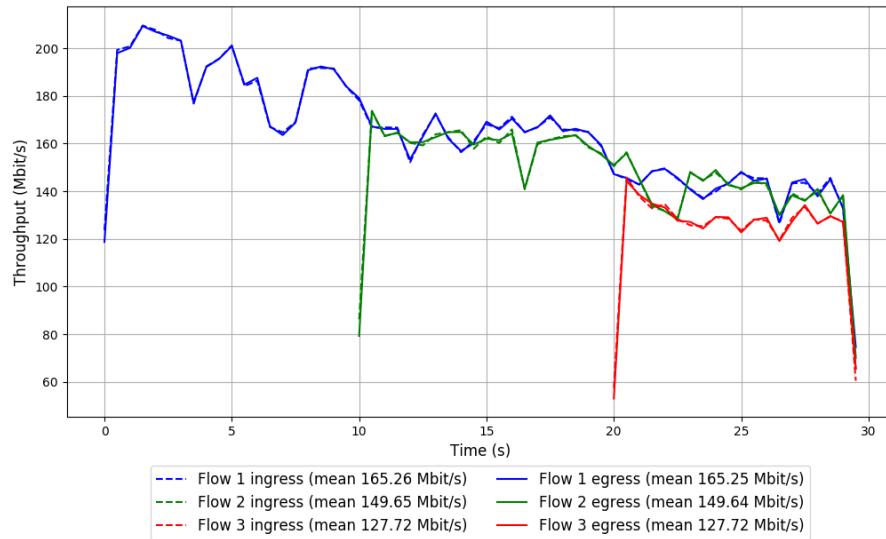


Run 4: Statistics of Indigo-delay

```
Start at: 2017-09-22 00:01:43
End at: 2017-09-22 00:02:13
Local clock offset: 0.327 ms
Remote clock offset: -1.933 ms

# Below is generated by plot.py at 2017-09-22 05:28:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.36 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.25 Mbit/s
95th percentile per-packet one-way delay: 17.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.64 Mbit/s
95th percentile per-packet one-way delay: 18.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.72 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-delay — Data Link

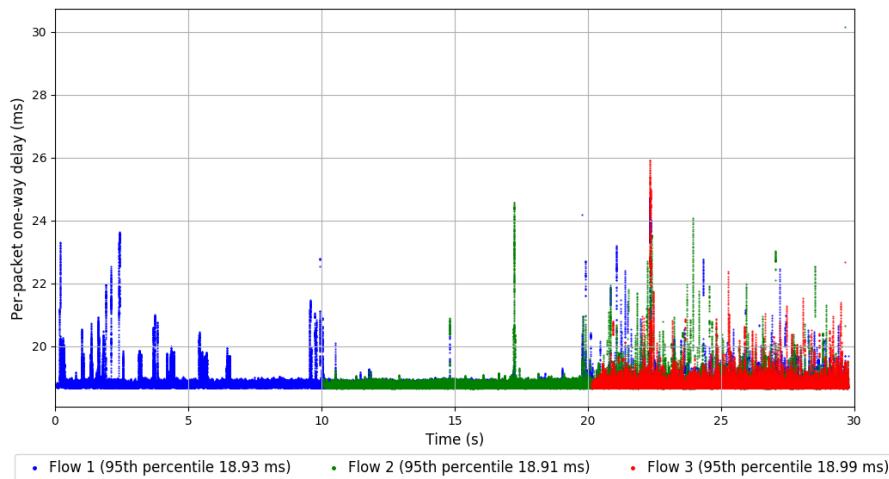
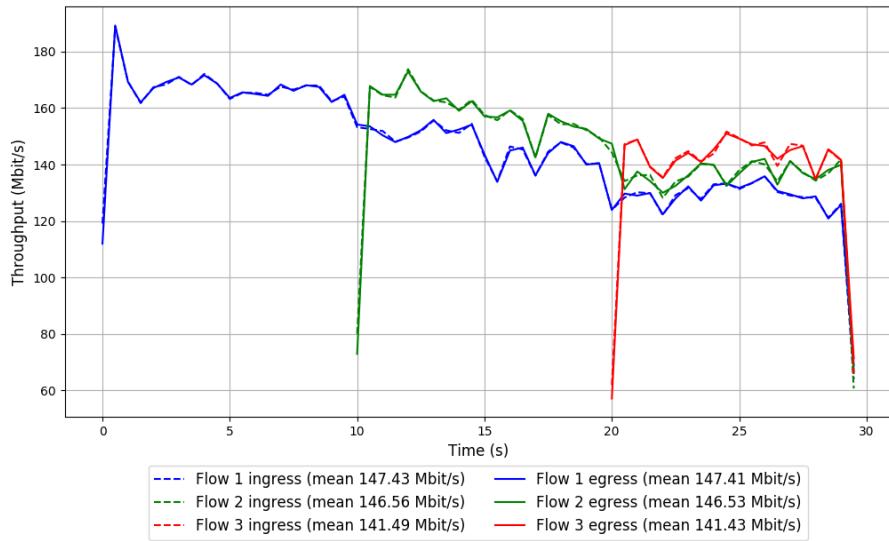


Run 5: Statistics of Indigo-delay

```
Start at: 2017-09-22 00:21:49
End at: 2017-09-22 00:22:19
Local clock offset: 0.341 ms
Remote clock offset: -1.902 ms

# Below is generated by plot.py at 2017-09-22 05:28:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.06 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 147.41 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 146.53 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 141.43 Mbit/s
95th percentile per-packet one-way delay: 18.994 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-delay — Data Link

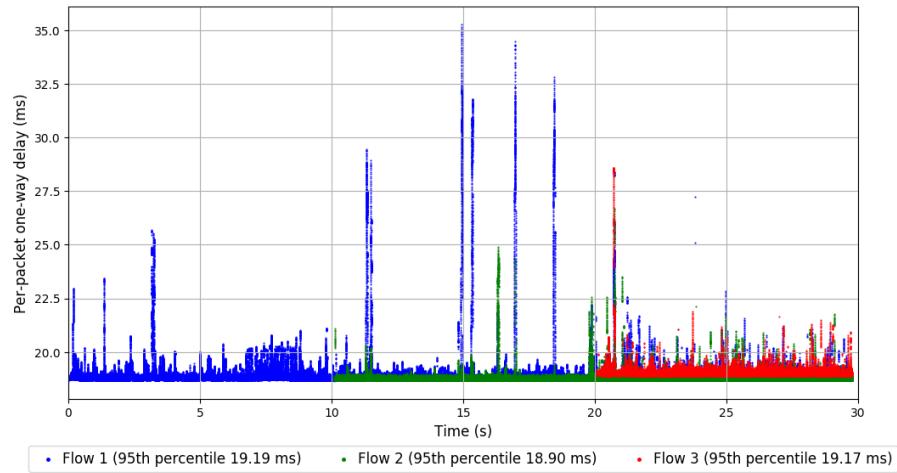
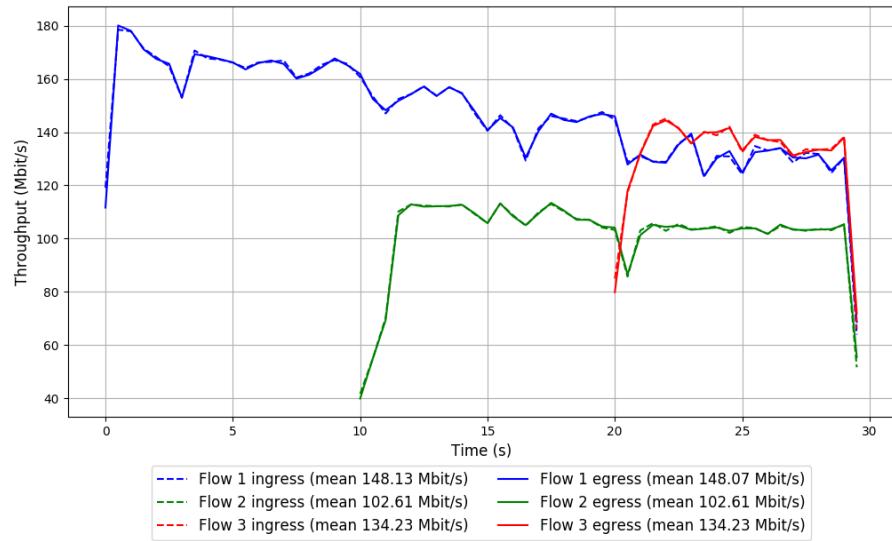


Run 6: Statistics of Indigo-delay

```
Start at: 2017-09-22 00:42:19
End at: 2017-09-22 00:42:49
Local clock offset: 0.195 ms
Remote clock offset: -1.683 ms

# Below is generated by plot.py at 2017-09-22 05:28:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 259.63 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 148.07 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 102.61 Mbit/s
95th percentile per-packet one-way delay: 18.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.23 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-delay — Data Link

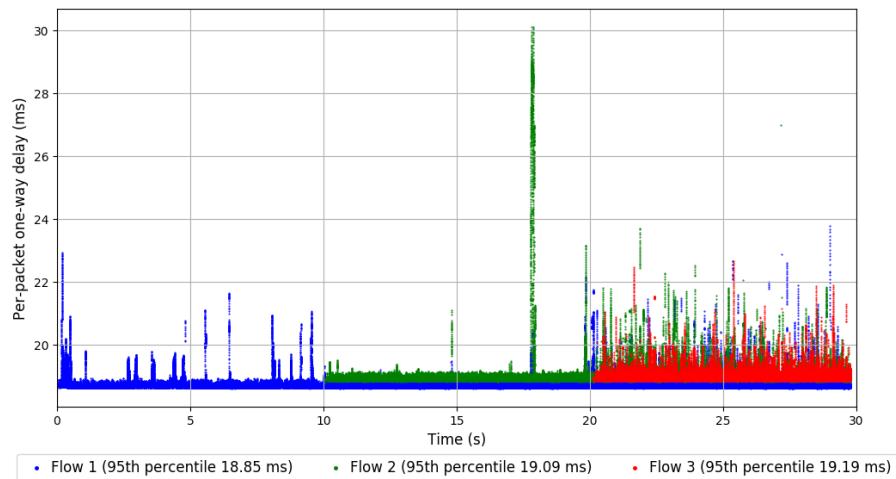
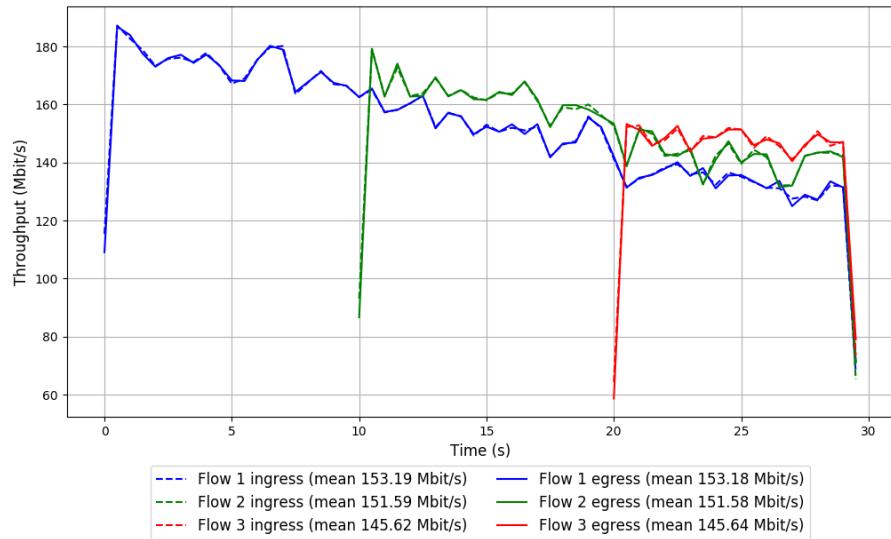


Run 7: Statistics of Indigo-delay

```
Start at: 2017-09-22 01:02:36
End at: 2017-09-22 01:03:06
Local clock offset: -0.125 ms
Remote clock offset: -1.813 ms

# Below is generated by plot.py at 2017-09-22 05:29:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.64 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.18 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.58 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.64 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-delay — Data Link

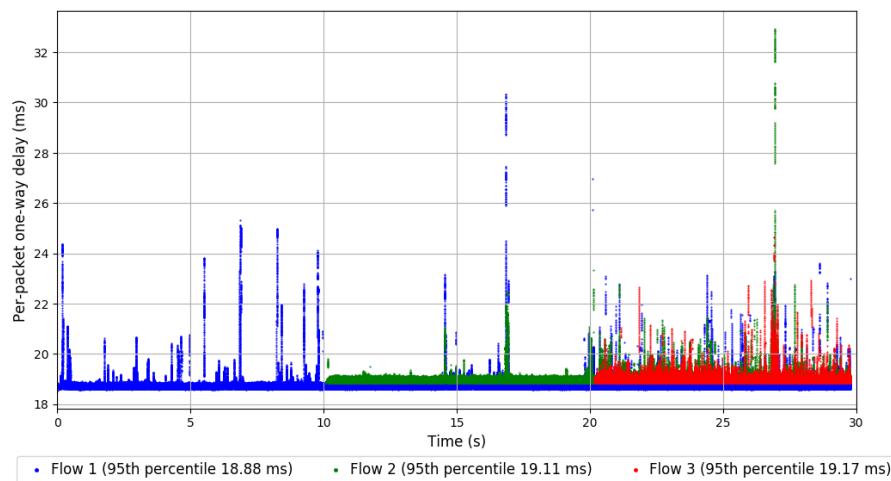
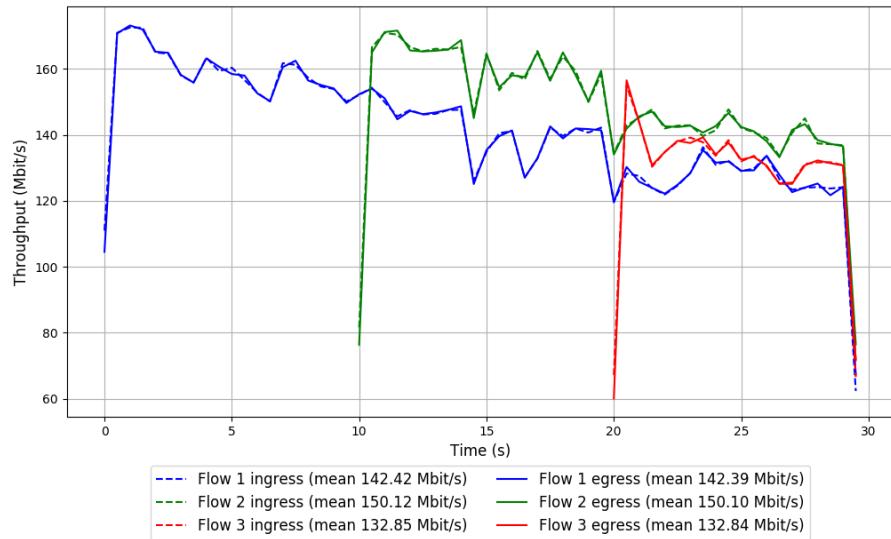


Run 8: Statistics of Indigo-delay

```
Start at: 2017-09-22 01:22:48
End at: 2017-09-22 01:23:18
Local clock offset: -0.317 ms
Remote clock offset: -1.89 ms

# Below is generated by plot.py at 2017-09-22 05:29:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.57 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 142.39 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 150.10 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 132.84 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.02%
```

Run 8: Report of Indigo-delay — Data Link

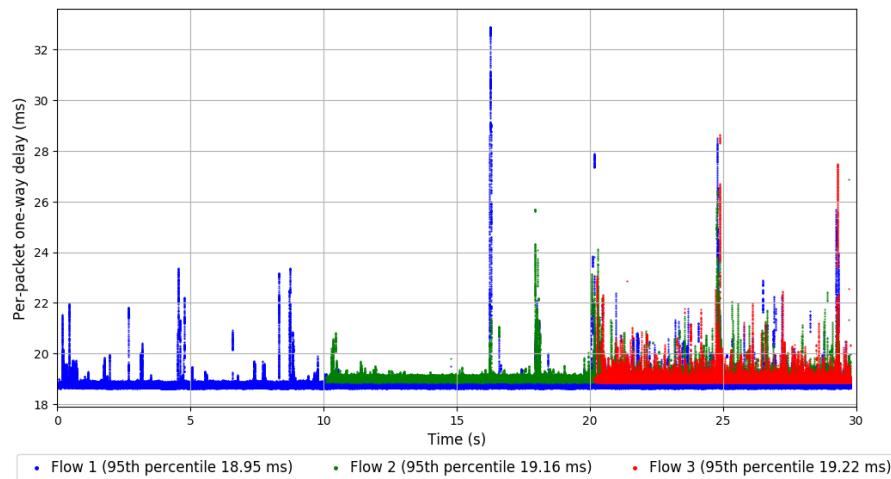
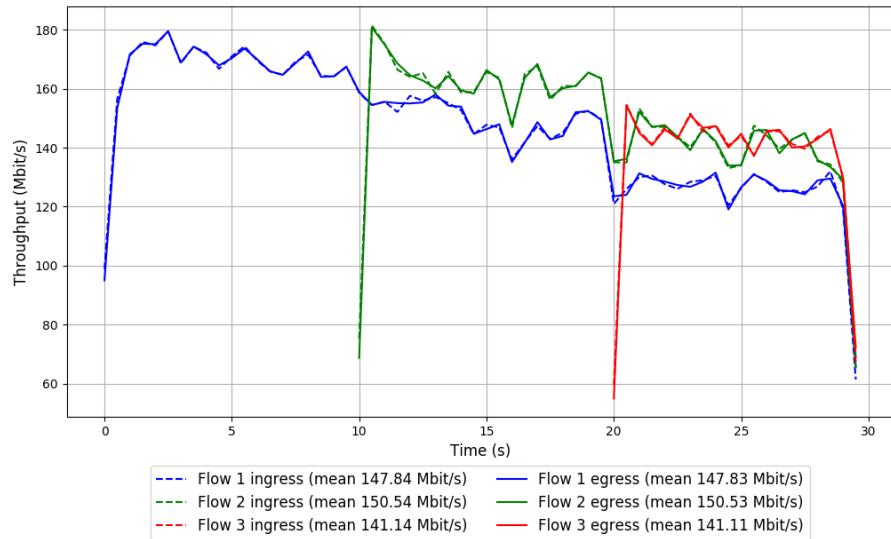


Run 9: Statistics of Indigo-delay

```
Start at: 2017-09-22 01:42:56
End at: 2017-09-22 01:43:26
Local clock offset: -0.337 ms
Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2017-09-22 05:29:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.99 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 147.83 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.53 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 141.11 Mbit/s
95th percentile per-packet one-way delay: 19.224 ms
Loss rate: 0.02%
```

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

```
Start at: 2017-09-22 02:03:23
End at: 2017-09-22 02:03:53
Local clock offset: -0.371 ms
Remote clock offset: -1.831 ms

# Below is generated by plot.py at 2017-09-22 05:29:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.21 Mbit/s
95th percentile per-packet one-way delay: 19.838 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 141.63 Mbit/s
95th percentile per-packet one-way delay: 19.765 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 144.31 Mbit/s
95th percentile per-packet one-way delay: 19.868 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 141.48 Mbit/s
95th percentile per-packet one-way delay: 20.025 ms
Loss rate: 0.04%
```

Run 10: Report of Indigo-delay — Data Link

