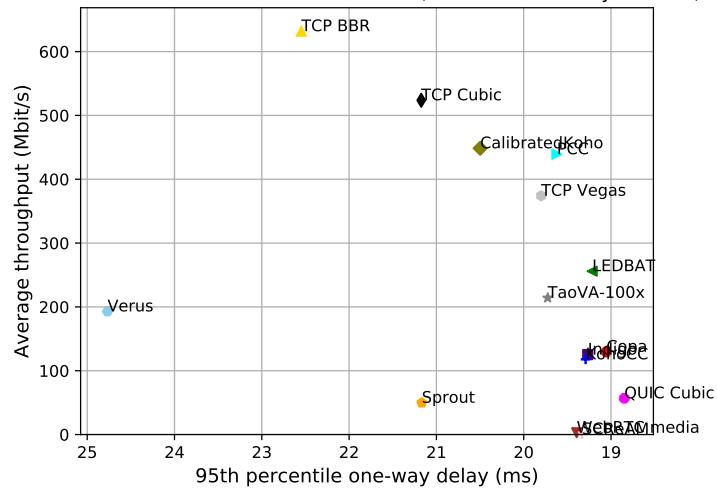


Pantheon Report

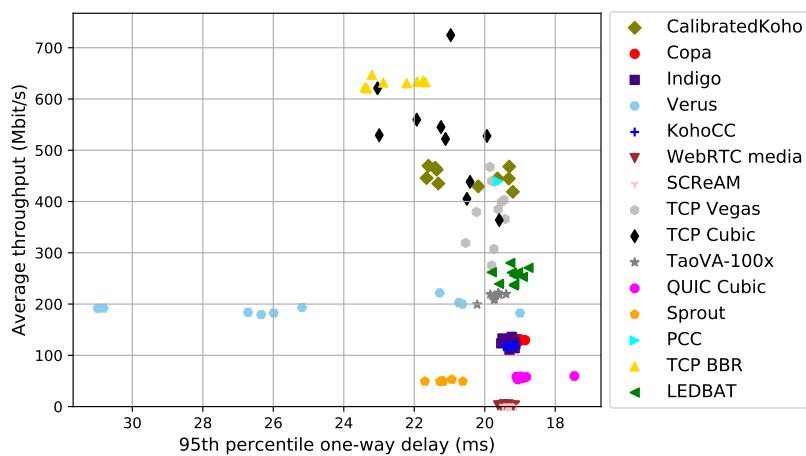
Generated at 2017-09-08 08:26:57 (UTC).
Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
M scripts/merge-tunnel-logs
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 @ f1a14bfe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42

test from AWS California 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



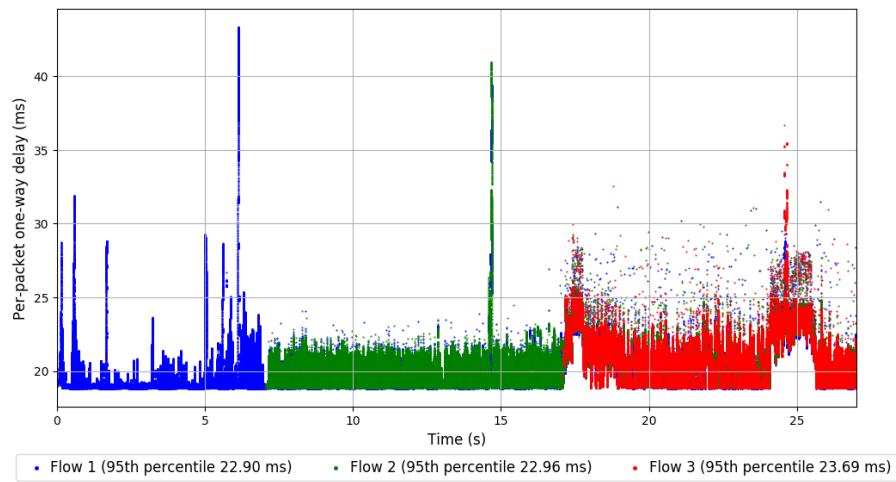
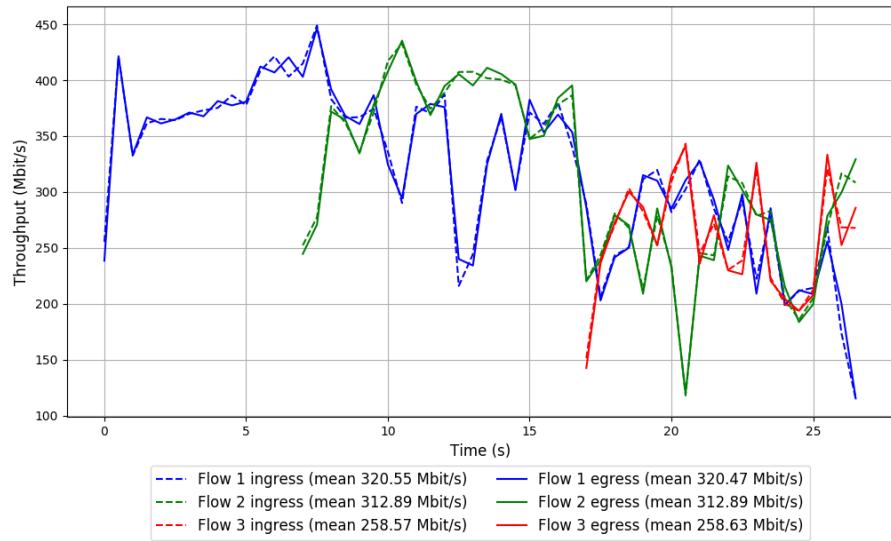
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	8	336.64	306.06	264.33	22.39	22.32	22.99	0.01	0.02	0.03
CalibratedKoho	10	276.50	187.53	144.01	20.39	20.62	19.58	0.01	0.01	0.02
Copa	10	75.37	59.91	56.58	18.88	18.99	19.00	0.00	0.00	0.01
TCP Cubic	10	260.89	256.84	276.68	20.56	21.27	21.53	0.01	0.01	0.01
Indigo	10	68.93	59.34	52.99	19.09	19.13	19.48	0.00	0.00	0.00
KohoCC	10	59.05	59.02	58.80	19.30	19.27	19.21	0.00	0.00	0.00
LEDBAT	10	147.19	118.37	91.55	19.18	19.13	19.21	0.01	0.00	0.01
PCC	1	284.63	192.84	81.64	19.64	19.74	19.21	0.52	0.00	0.00
QUIC Cubic	10	0.30	61.42	48.57	18.88	18.65	18.87	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	19.29	18.81	19.18	0.01	0.00	0.00
Sprout	8	24.70	24.68	24.39	21.37	20.36	20.89	0.00	0.01	0.01
TaoVA-100x	9	133.07	90.57	72.45	19.47	19.80	19.93	0.00	0.01	0.00
TCP Vegas	10	198.85	175.38	175.52	19.37	19.67	20.25	0.01	0.01	0.02
Verus	10	119.66	79.57	63.53	27.81	22.56	21.39	0.01	0.01	0.01
WebRTC media	10	0.74	1.50	0.57	19.65	19.24	19.50	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-08 01:42:41
End at: 2017-09-08 01:43:11
Local clock offset: 0.862 ms
Remote clock offset: -1.496 ms

# Below is generated by plot.py at 2017-09-08 07:49:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.23 Mbit/s
95th percentile per-packet one-way delay: 23.203 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 320.47 Mbit/s
95th percentile per-packet one-way delay: 22.902 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 312.89 Mbit/s
95th percentile per-packet one-way delay: 22.956 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 258.63 Mbit/s
95th percentile per-packet one-way delay: 23.688 ms
Loss rate: 0.03%
```

Run 1: Report of TCP BBR — Data Link

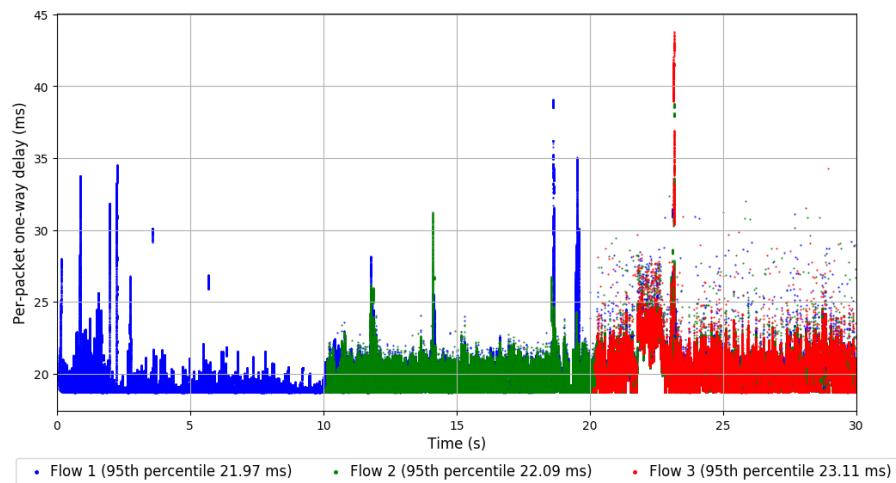
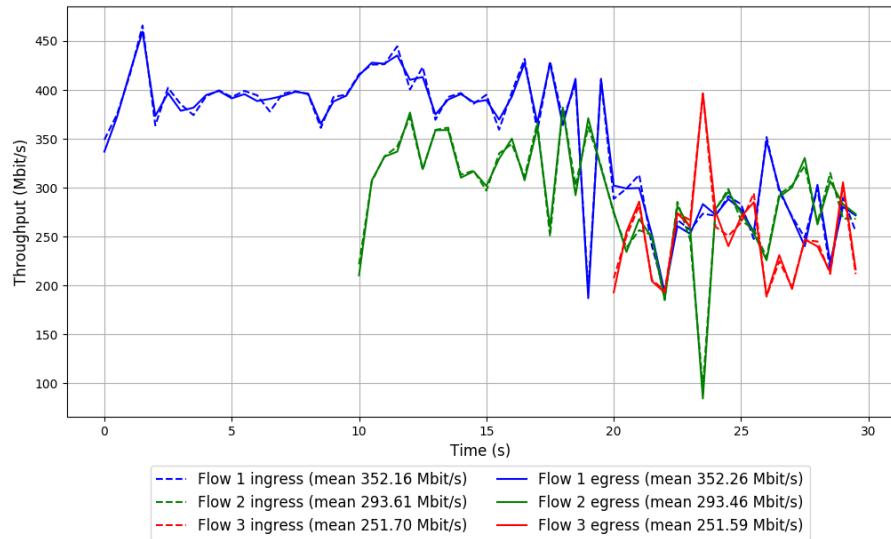


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-08 02:03:26
End at: 2017-09-08 02:03:56
Local clock offset: 0.656 ms
Remote clock offset: -1.438 ms

# Below is generated by plot.py at 2017-09-08 07:49:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 630.60 Mbit/s
95th percentile per-packet one-way delay: 22.216 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 352.26 Mbit/s
95th percentile per-packet one-way delay: 21.971 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 293.46 Mbit/s
95th percentile per-packet one-way delay: 22.089 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 251.59 Mbit/s
95th percentile per-packet one-way delay: 23.113 ms
Loss rate: 0.04%
```

Run 2: Report of TCP BBR — Data Link

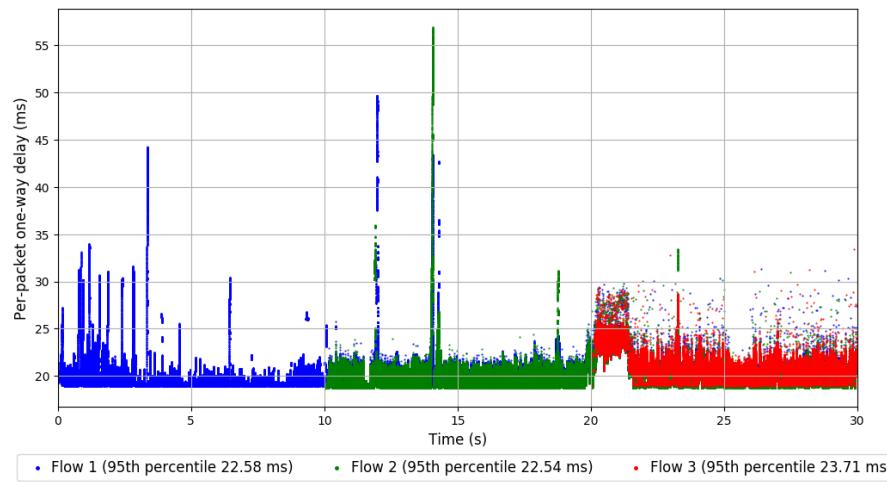
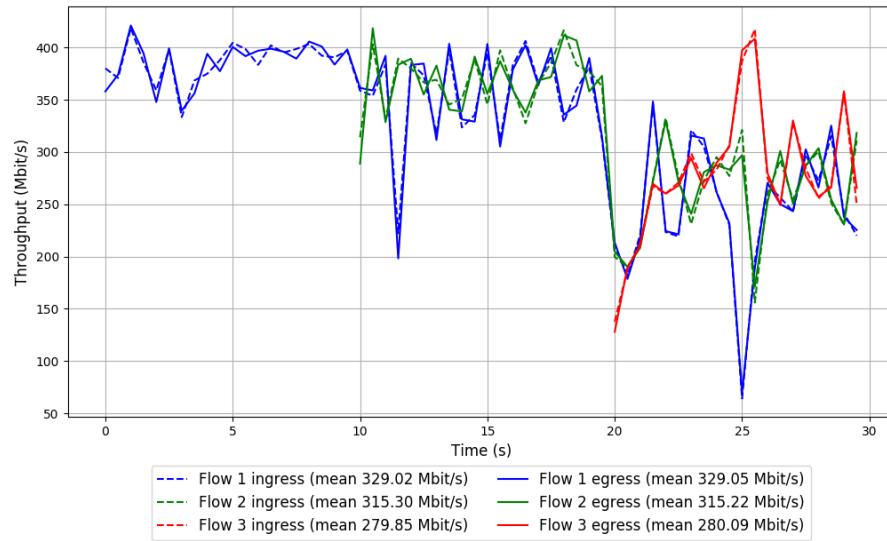


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-08 02:24:26
End at: 2017-09-08 02:24:56
Local clock offset: 0.546 ms
Remote clock offset: -1.906 ms

# Below is generated by plot.py at 2017-09-08 07:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.92 Mbit/s
95th percentile per-packet one-way delay: 22.878 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 329.05 Mbit/s
95th percentile per-packet one-way delay: 22.579 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 315.22 Mbit/s
95th percentile per-packet one-way delay: 22.538 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 280.09 Mbit/s
95th percentile per-packet one-way delay: 23.710 ms
Loss rate: 0.02%
```

Run 3: Report of TCP BBR — Data Link

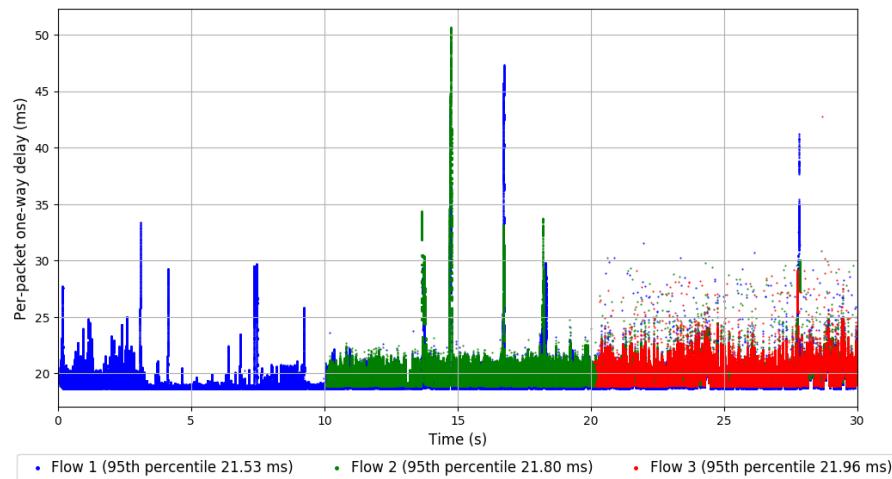
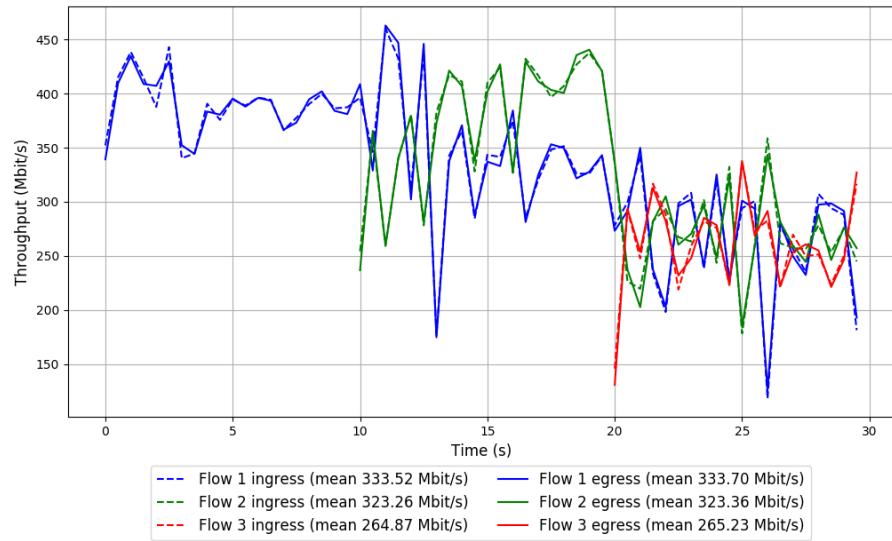


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-08 02:45:31
End at: 2017-09-08 02:46:01
Local clock offset: 0.498 ms
Remote clock offset: -1.922 ms

# Below is generated by plot.py at 2017-09-08 07:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 636.17 Mbit/s
95th percentile per-packet one-way delay: 21.742 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 333.70 Mbit/s
95th percentile per-packet one-way delay: 21.526 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 323.36 Mbit/s
95th percentile per-packet one-way delay: 21.805 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 265.23 Mbit/s
95th percentile per-packet one-way delay: 21.965 ms
Loss rate: 0.03%
```

Run 4: Report of TCP BBR — Data Link

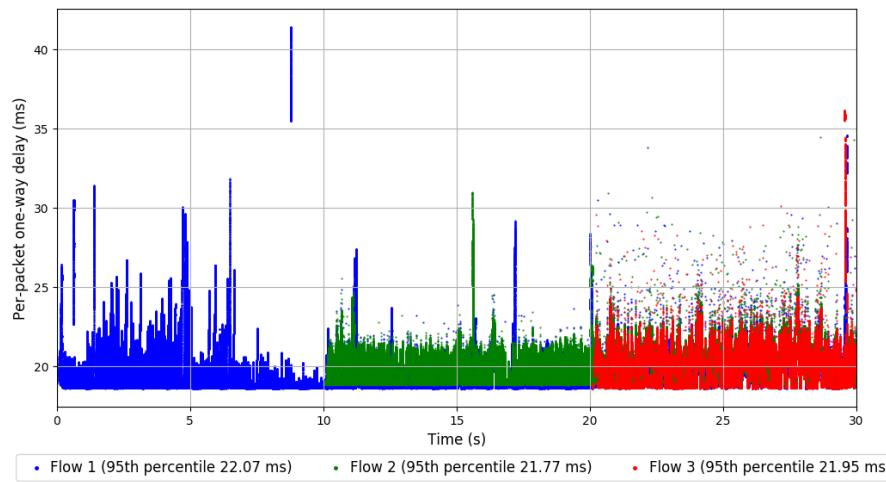
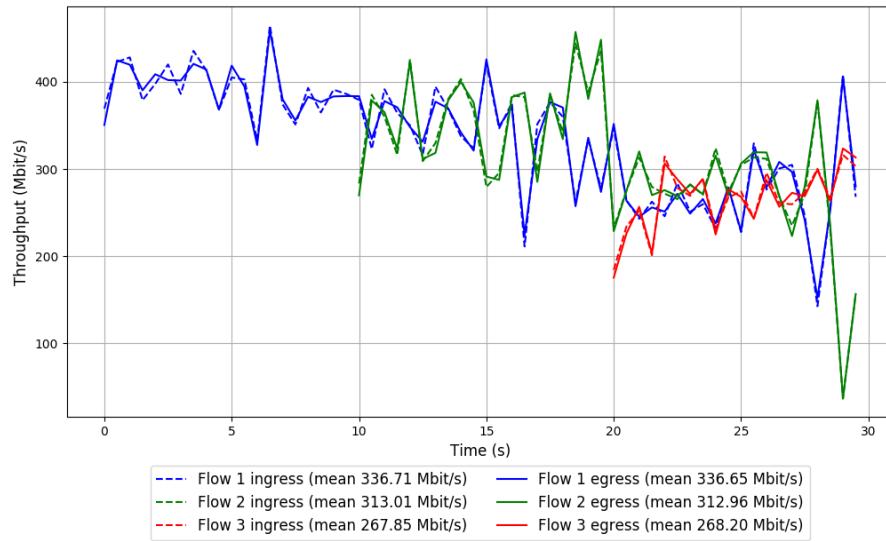


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-08 03:06:29
End at: 2017-09-08 03:06:59
Local clock offset: 0.425 ms
Remote clock offset: -1.848 ms

# Below is generated by plot.py at 2017-09-08 07:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 633.69 Mbit/s
95th percentile per-packet one-way delay: 21.919 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 336.65 Mbit/s
95th percentile per-packet one-way delay: 22.070 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 312.96 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 268.20 Mbit/s
95th percentile per-packet one-way delay: 21.947 ms
Loss rate: 0.02%
```

Run 5: Report of TCP BBR — Data Link

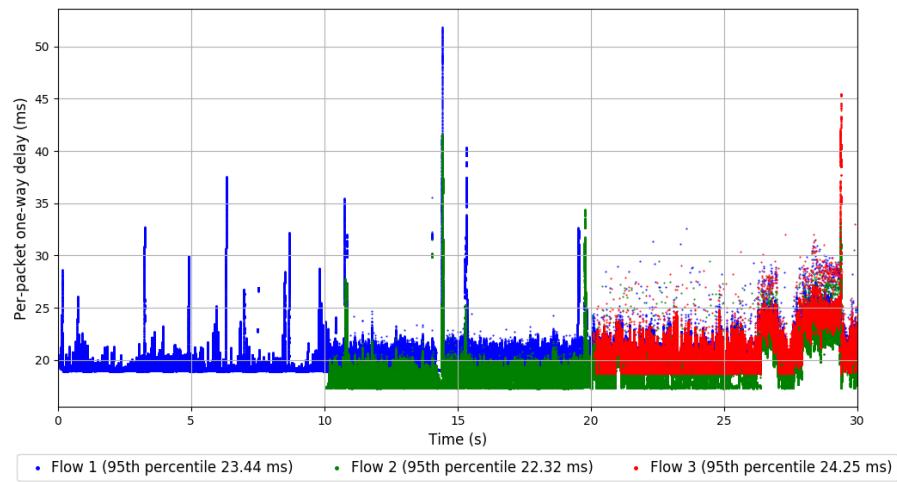
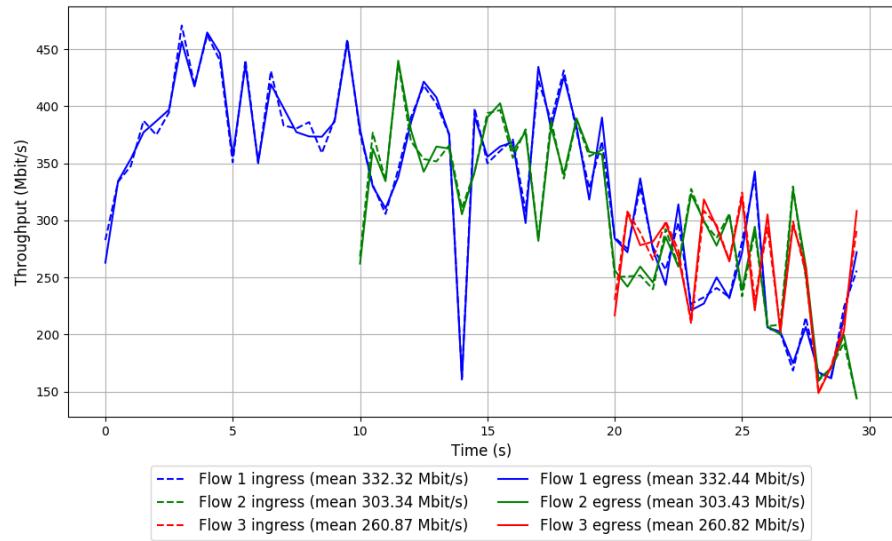


Run 6: Statistics of TCP BBR

```
Start at: 2017-09-08 03:27:32
End at: 2017-09-08 03:28:02
Local clock offset: 0.33 ms
Remote clock offset: -1.552 ms

# Below is generated by plot.py at 2017-09-08 07:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 620.54 Mbit/s
95th percentile per-packet one-way delay: 23.336 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 332.44 Mbit/s
95th percentile per-packet one-way delay: 23.442 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 303.43 Mbit/s
95th percentile per-packet one-way delay: 22.323 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 260.82 Mbit/s
95th percentile per-packet one-way delay: 24.252 ms
Loss rate: 0.03%
```

Run 6: Report of TCP BBR — Data Link

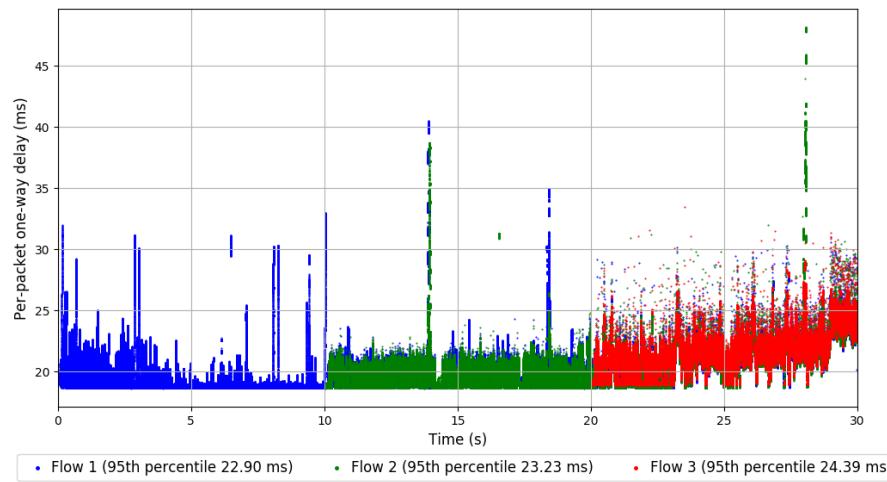
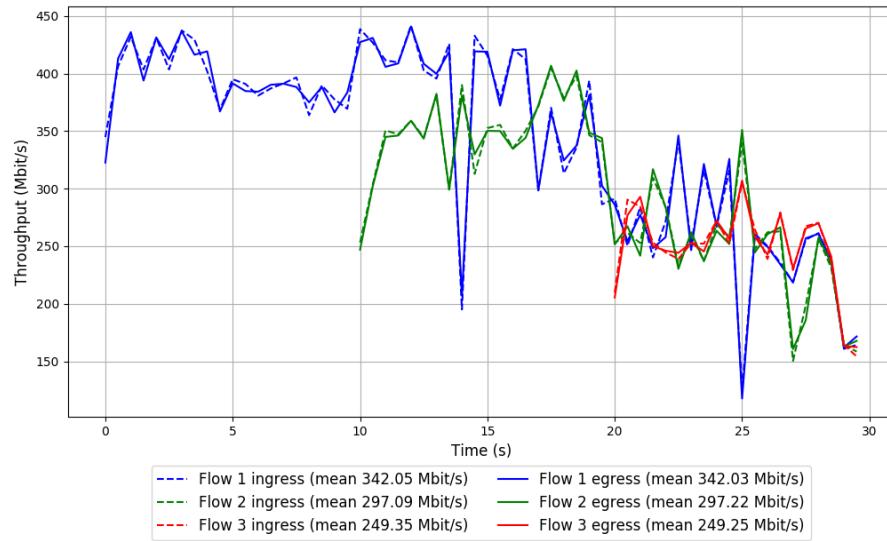


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-08 03:48:34
End at: 2017-09-08 03:49:04
Local clock offset: 0.319 ms
Remote clock offset: -1.576 ms

# Below is generated by plot.py at 2017-09-08 07:53:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 622.72 Mbit/s
95th percentile per-packet one-way delay: 23.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 342.03 Mbit/s
95th percentile per-packet one-way delay: 22.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 297.22 Mbit/s
95th percentile per-packet one-way delay: 23.231 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 249.25 Mbit/s
95th percentile per-packet one-way delay: 24.389 ms
Loss rate: 0.00%
```

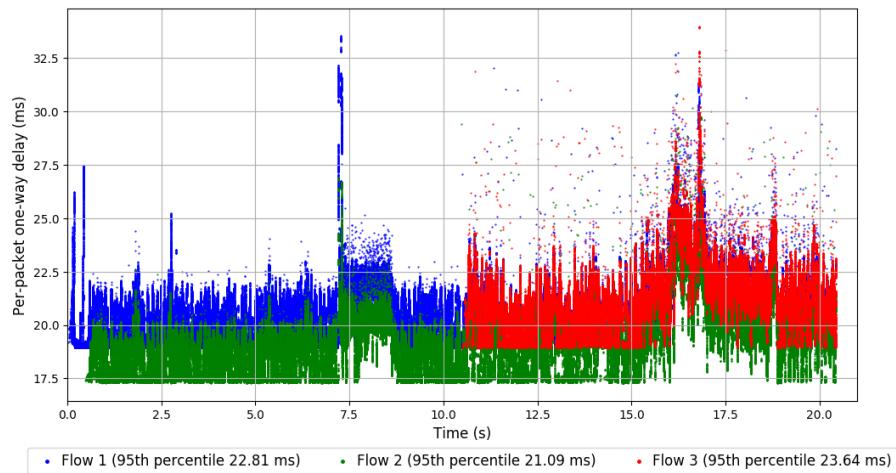
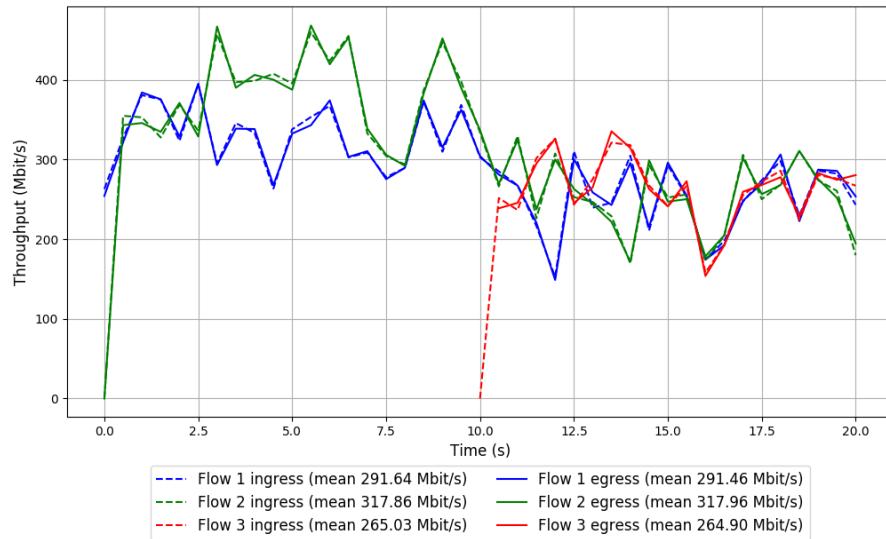
Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-09-08 04:09:35
End at: 2017-09-08 04:10:05
Local clock offset: 0.098 ms
Remote clock offset: -1.604 ms

Run 8: Report of TCP BBR — Data Link

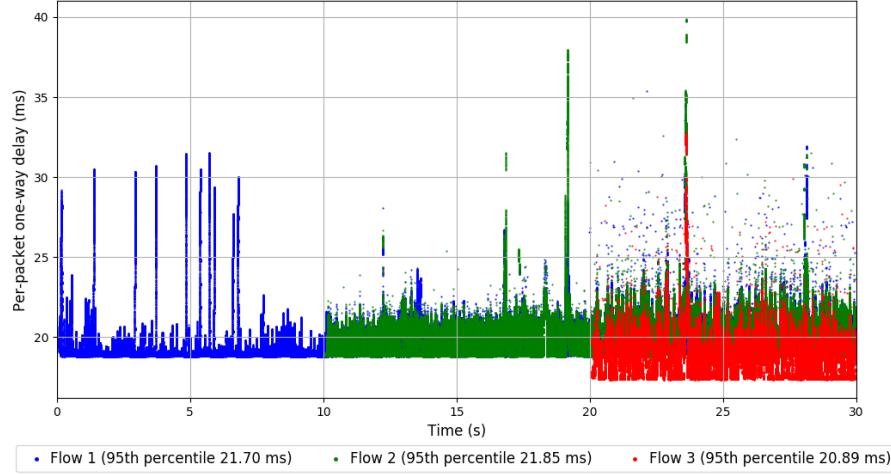
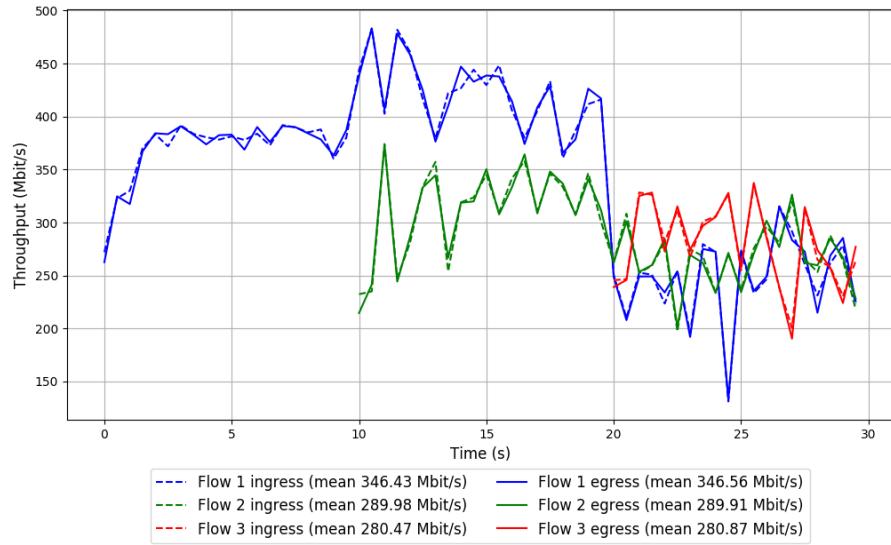


Run 9: Statistics of TCP BBR

```
Start at: 2017-09-08 04:30:27
End at: 2017-09-08 04:30:57
Local clock offset: 0.046 ms
Remote clock offset: -1.57 ms

# Below is generated by plot.py at 2017-09-08 07:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 632.71 Mbit/s
95th percentile per-packet one-way delay: 21.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 346.56 Mbit/s
95th percentile per-packet one-way delay: 21.696 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 289.91 Mbit/s
95th percentile per-packet one-way delay: 21.851 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 280.87 Mbit/s
95th percentile per-packet one-way delay: 20.889 ms
Loss rate: 0.03%
```

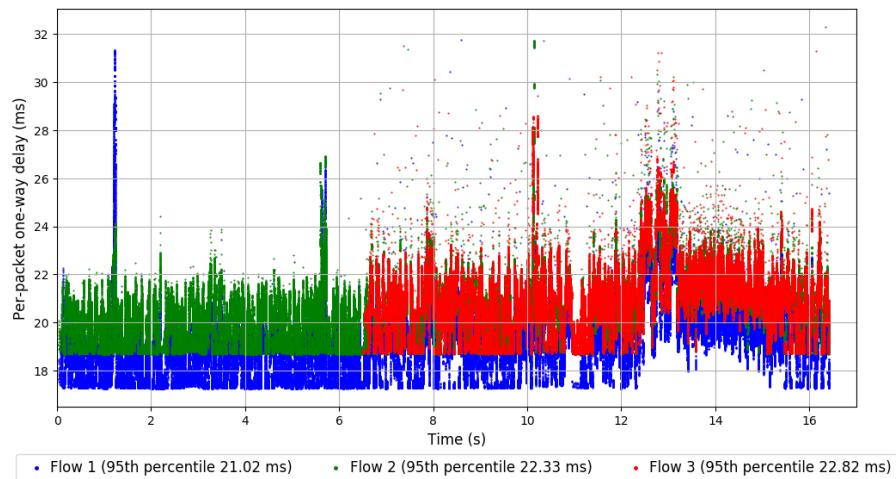
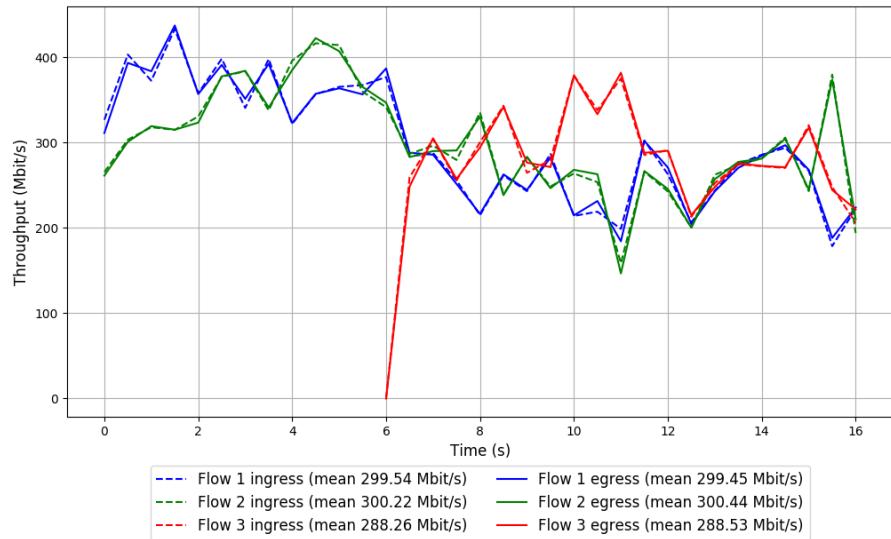
Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-09-08 04:51:35
End at: 2017-09-08 04:52:05
Local clock offset: 0.016 ms
Remote clock offset: -1.569 ms

Run 10: Report of TCP BBR — Data Link

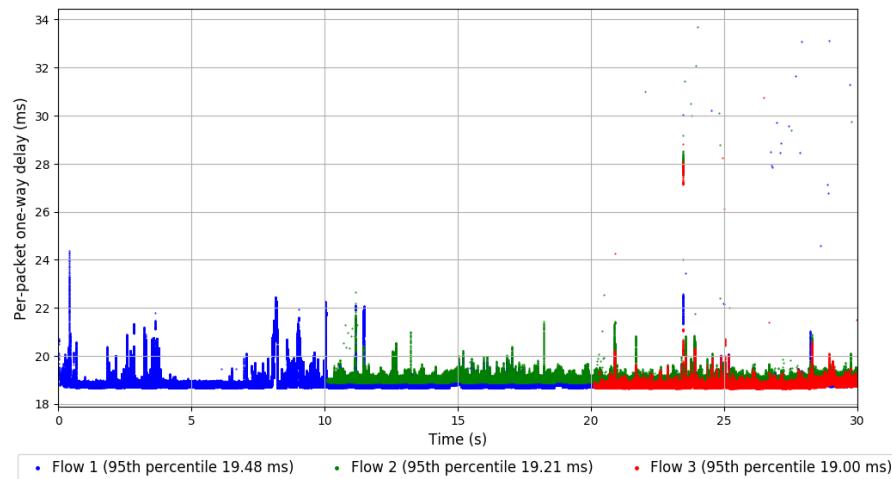
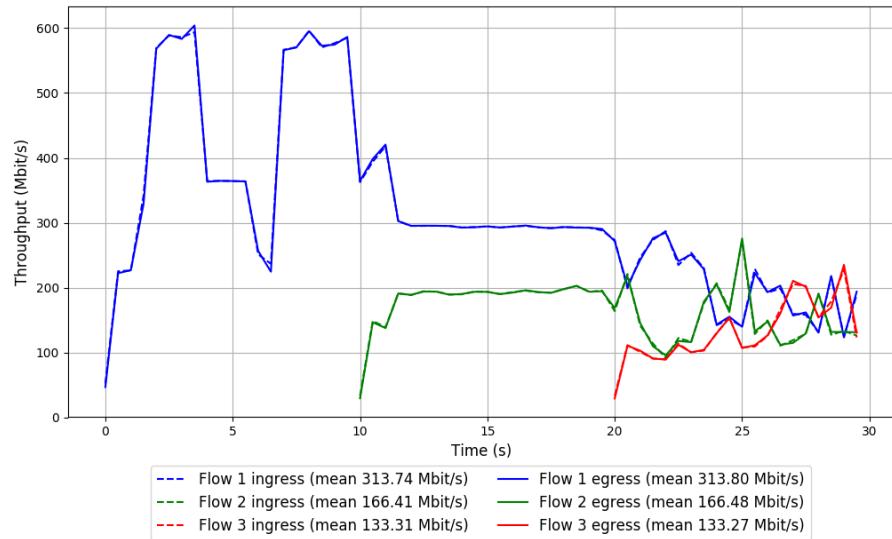


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-09-08 01:33:16
End at: 2017-09-08 01:33:46
Local clock offset: 0.794 ms
Remote clock offset: -1.541 ms

# Below is generated by plot.py at 2017-09-08 07:55:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.18 Mbit/s
95th percentile per-packet one-way delay: 19.305 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 313.80 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 166.48 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 133.27 Mbit/s
95th percentile per-packet one-way delay: 19.004 ms
Loss rate: 0.01%
```

Run 1: Report of CalibratedKoho — Data Link

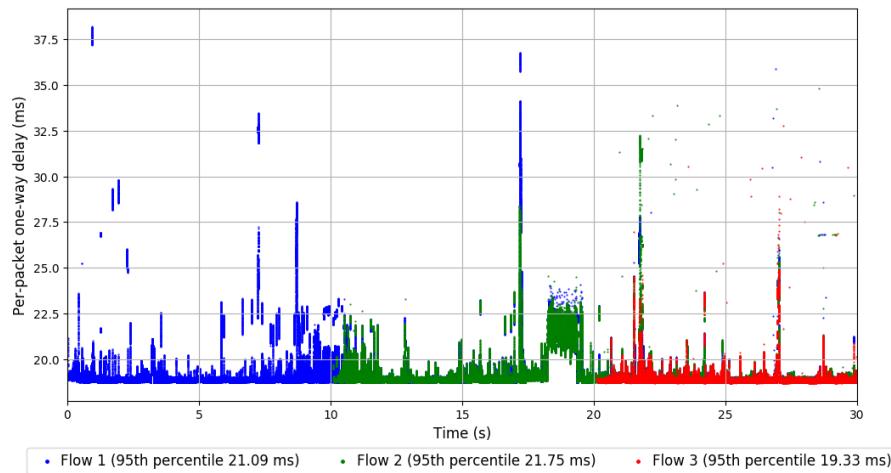
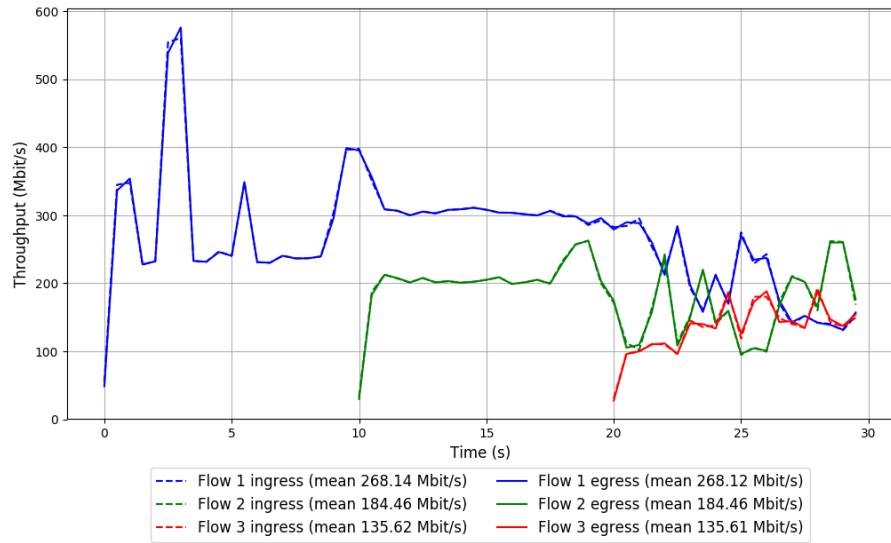


Run 2: Statistics of CalibratedKoho

```
Start at: 2017-09-08 01:53:52
End at: 2017-09-08 01:54:22
Local clock offset: 0.708 ms
Remote clock offset: -1.413 ms

# Below is generated by plot.py at 2017-09-08 07:56:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.17 Mbit/s
95th percentile per-packet one-way delay: 21.318 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 268.12 Mbit/s
95th percentile per-packet one-way delay: 21.092 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.46 Mbit/s
95th percentile per-packet one-way delay: 21.745 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 135.61 Mbit/s
95th percentile per-packet one-way delay: 19.331 ms
Loss rate: 0.01%
```

Run 2: Report of CalibratedKoho — Data Link

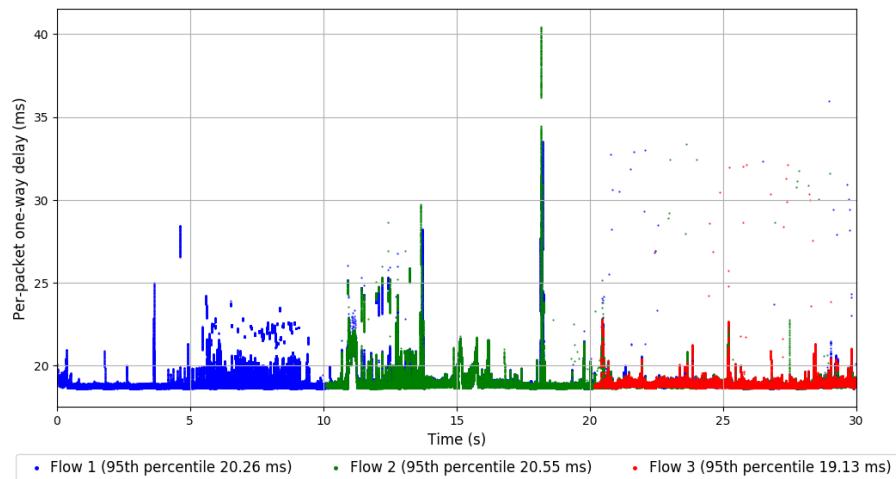
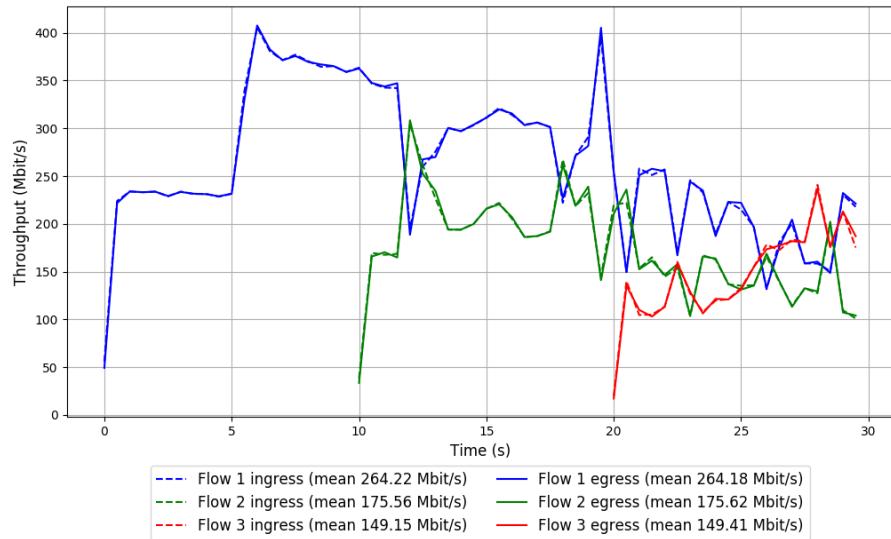


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 02:14:55
End at: 2017-09-08 02:15:25
Local clock offset: 0.666 ms
Remote clock offset: -1.676 ms

# Below is generated by plot.py at 2017-09-08 07:56:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.55 Mbit/s
95th percentile per-packet one-way delay: 20.184 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 264.18 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 175.62 Mbit/s
95th percentile per-packet one-way delay: 20.549 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 149.41 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.01%
```

Run 3: Report of CalibratedKoho — Data Link

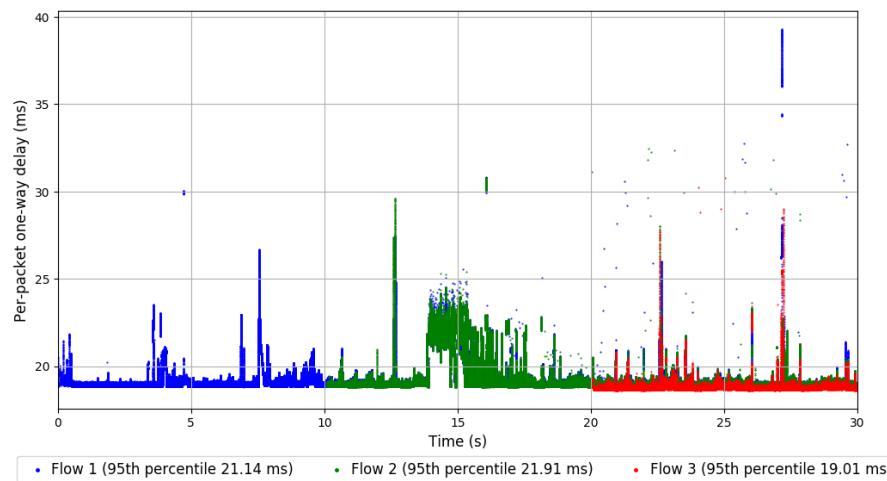
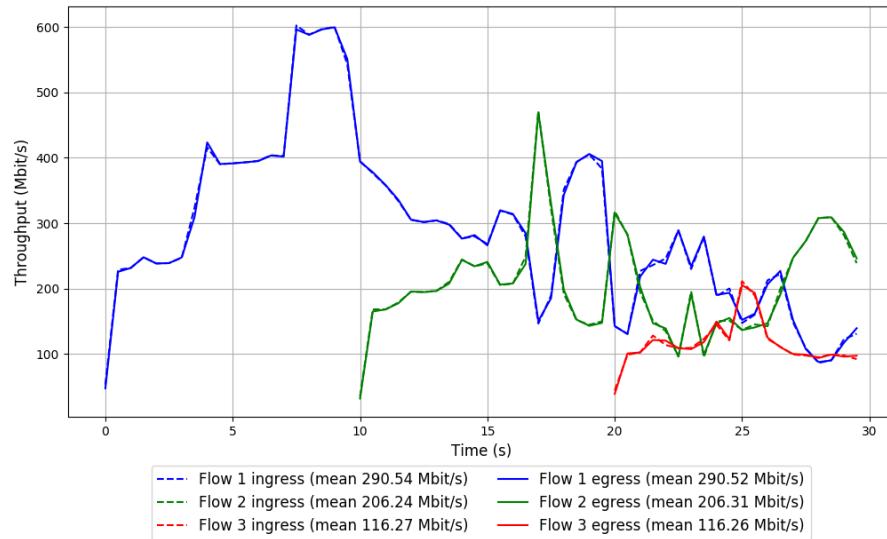


Run 4: Statistics of CalibratedKoho

```
Start at: 2017-09-08 02:35:46
End at: 2017-09-08 02:36:16
Local clock offset: 0.59 ms
Remote clock offset: -1.995 ms

# Below is generated by plot.py at 2017-09-08 07:57:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.91 Mbit/s
95th percentile per-packet one-way delay: 21.407 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 290.52 Mbit/s
95th percentile per-packet one-way delay: 21.144 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 206.31 Mbit/s
95th percentile per-packet one-way delay: 21.914 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 116.26 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.01%
```

Run 4: Report of CalibratedKoho — Data Link

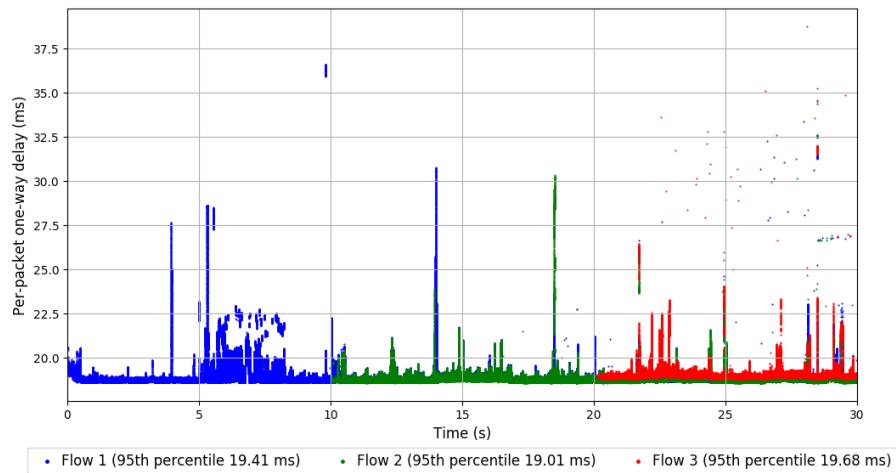
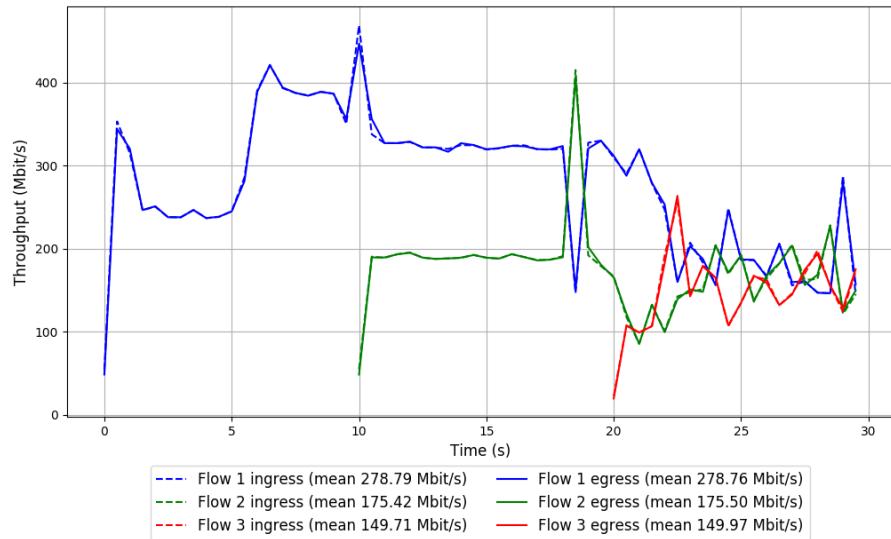


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 02:56:55
End at: 2017-09-08 02:57:25
Local clock offset: 0.545 ms
Remote clock offset: -1.805 ms

# Below is generated by plot.py at 2017-09-08 07:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 444.74 Mbit/s
95th percentile per-packet one-way delay: 19.319 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 278.76 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 175.50 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 149.97 Mbit/s
95th percentile per-packet one-way delay: 19.684 ms
Loss rate: 0.01%
```

Run 5: Report of CalibratedKoho — Data Link

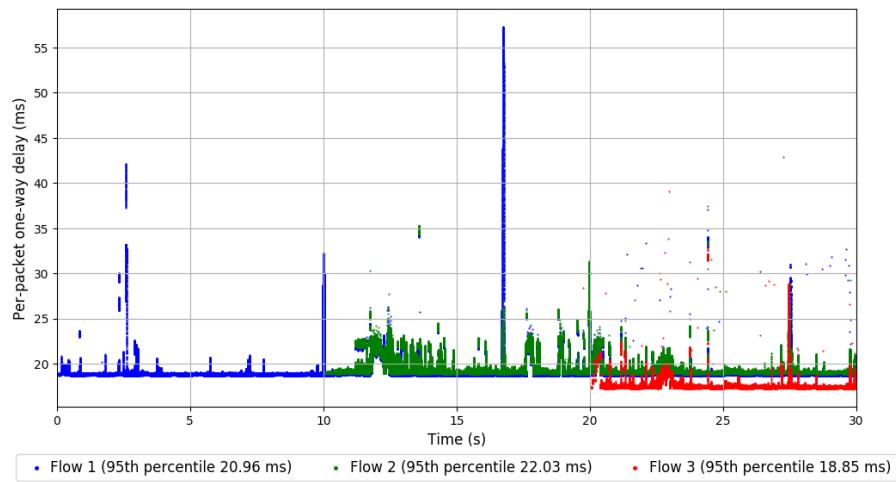
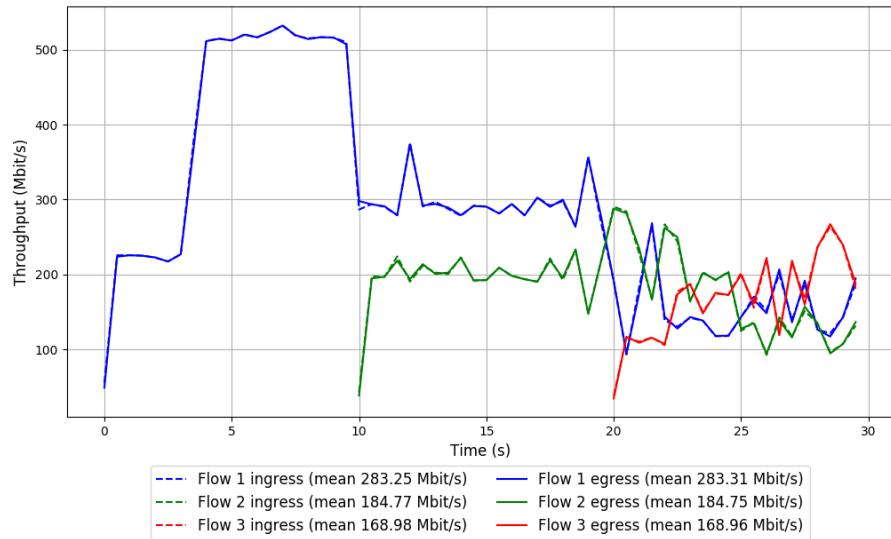


Run 6: Statistics of CalibratedKoho

```
Start at: 2017-09-08 03:17:49
End at: 2017-09-08 03:18:19
Local clock offset: 0.347 ms
Remote clock offset: -1.774 ms

# Below is generated by plot.py at 2017-09-08 07:58:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 462.09 Mbit/s
95th percentile per-packet one-way delay: 21.365 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 283.31 Mbit/s
95th percentile per-packet one-way delay: 20.962 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.75 Mbit/s
95th percentile per-packet one-way delay: 22.033 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.96 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.01%
```

Run 6: Report of CalibratedKoho — Data Link

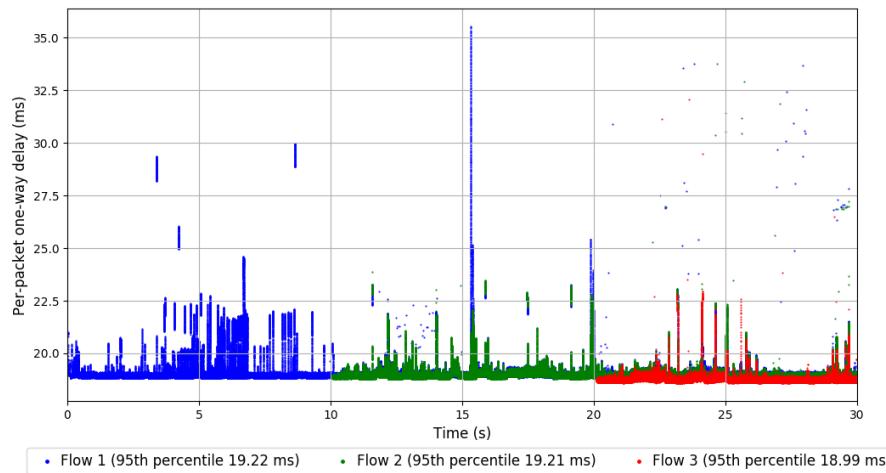
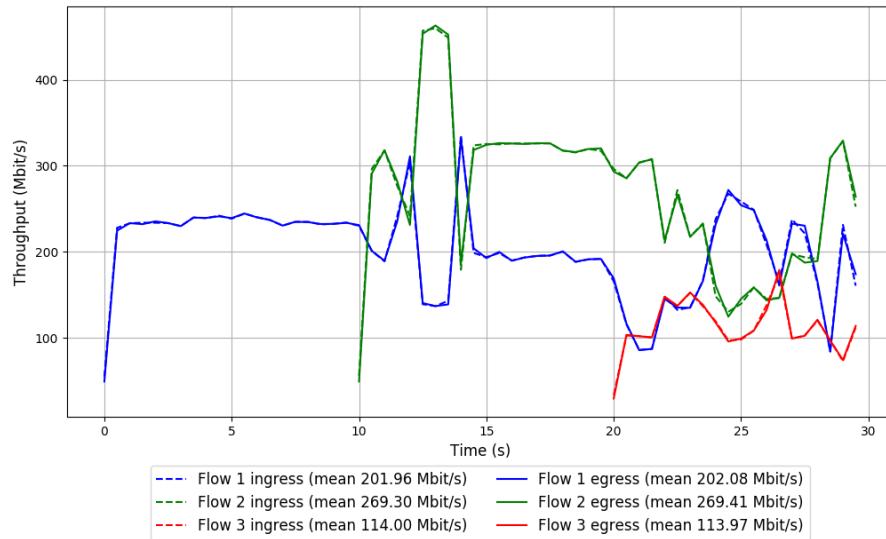


Run 7: Statistics of CalibratedKoho

```
Start at: 2017-09-08 03:38:56
End at: 2017-09-08 03:39:26
Local clock offset: 0.369 ms
Remote clock offset: -1.457 ms

# Below is generated by plot.py at 2017-09-08 07:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.98 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.08 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 269.41 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.97 Mbit/s
95th percentile per-packet one-way delay: 18.987 ms
Loss rate: 0.02%
```

Run 7: Report of CalibratedKoho — Data Link

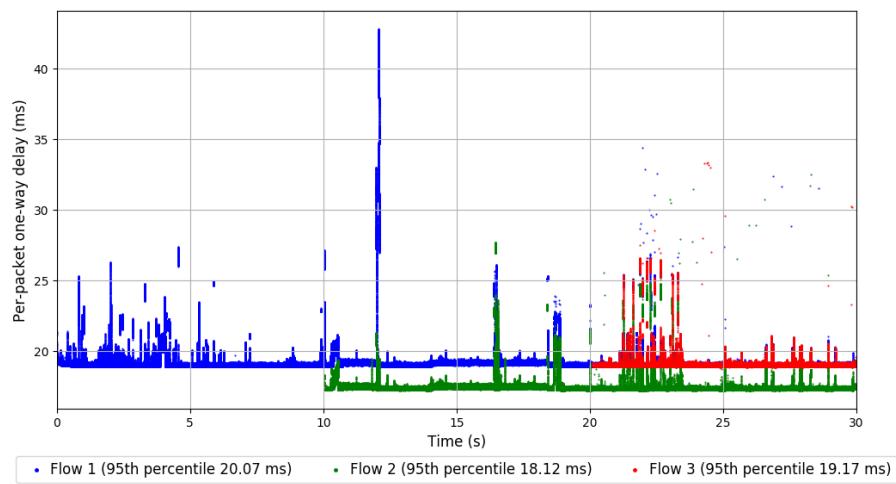
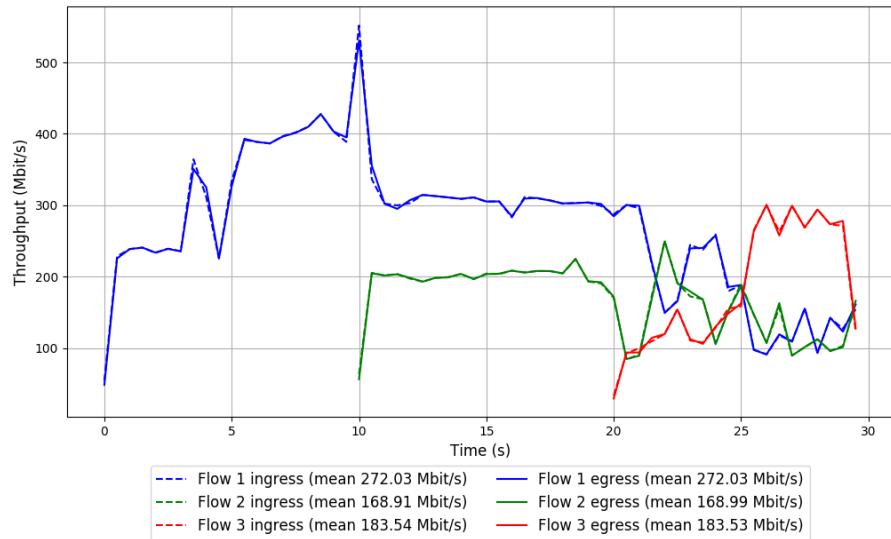


Run 8: Statistics of CalibratedKoho

```
Start at: 2017-09-08 04:00:00
End at: 2017-09-08 04:00:30
Local clock offset: 0.216 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at 2017-09-08 07:59:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.06 Mbit/s
95th percentile per-packet one-way delay: 19.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.03 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.99 Mbit/s
95th percentile per-packet one-way delay: 18.116 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.53 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.00%
```

Run 8: Report of CalibratedKoho — Data Link

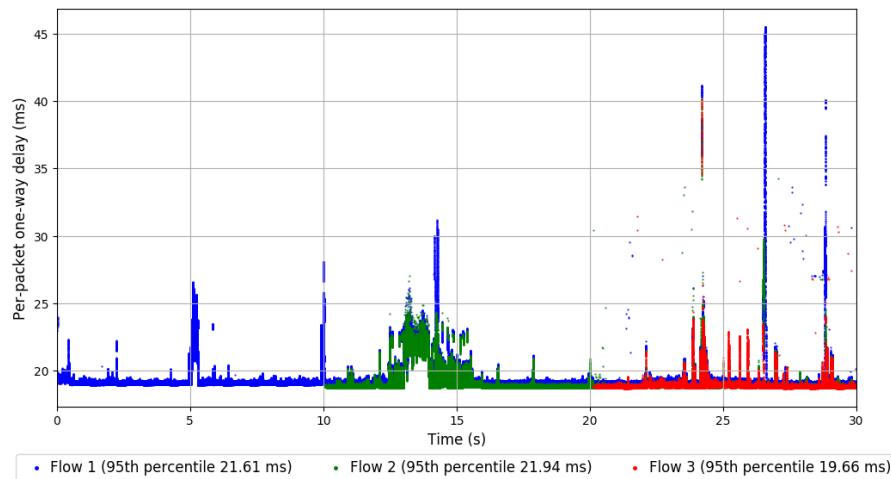
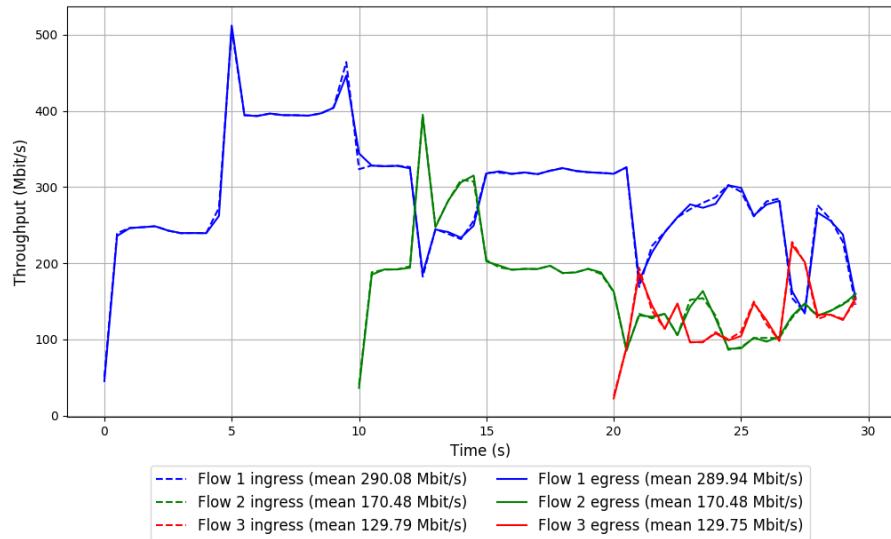


Run 9: Statistics of CalibratedKoho

```
Start at: 2017-09-08 04:20:48
End at: 2017-09-08 04:21:18
Local clock offset: 0.044 ms
Remote clock offset: -1.657 ms

# Below is generated by plot.py at 2017-09-08 07:59:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.77 Mbit/s
95th percentile per-packet one-way delay: 21.651 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 289.94 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 170.48 Mbit/s
95th percentile per-packet one-way delay: 21.936 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 129.75 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.10%
```

Run 9: Report of CalibratedKoho — Data Link

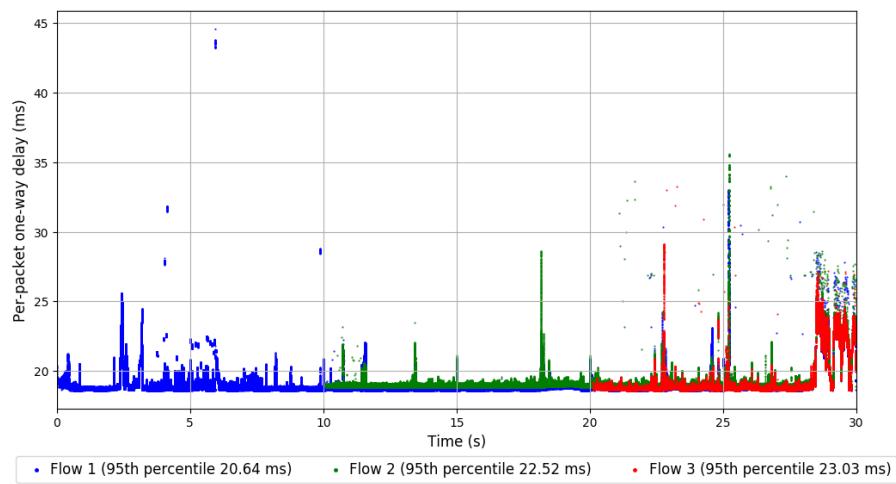
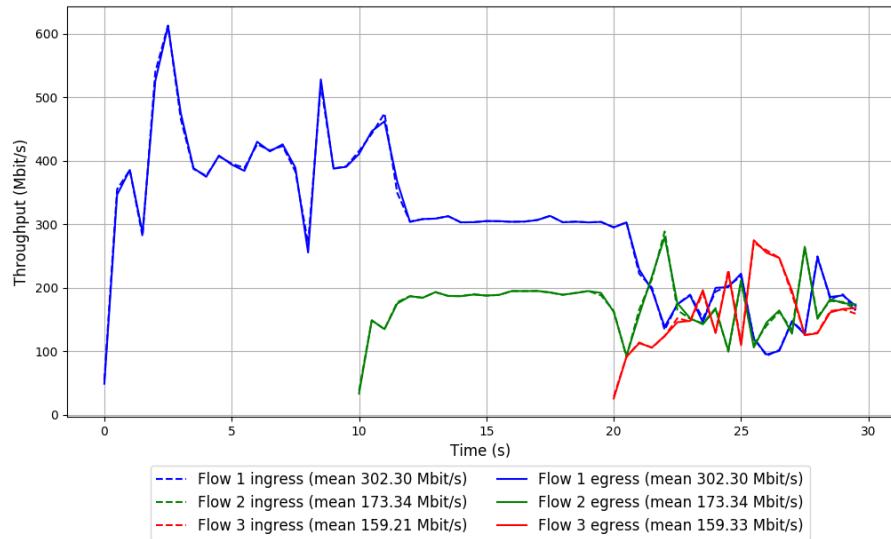


```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 04:41:57
End at: 2017-09-08 04:42:27
Local clock offset: 0.086 ms
Remote clock offset: -1.587 ms

# Below is generated by plot.py at 2017-09-08 08:00:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.76 Mbit/s
95th percentile per-packet one-way delay: 21.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 302.30 Mbit/s
95th percentile per-packet one-way delay: 20.643 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.34 Mbit/s
95th percentile per-packet one-way delay: 22.521 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.33 Mbit/s
95th percentile per-packet one-way delay: 23.032 ms
Loss rate: 0.00%
```

Run 10: Report of CalibratedKoho — Data Link

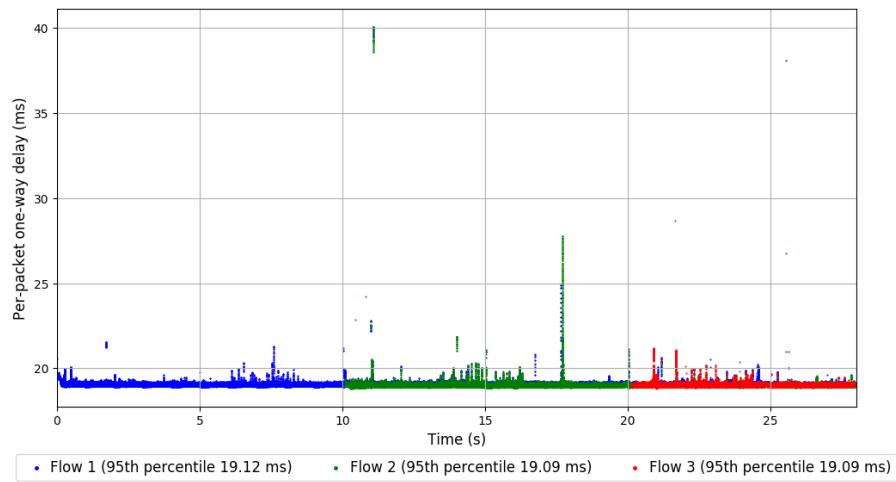
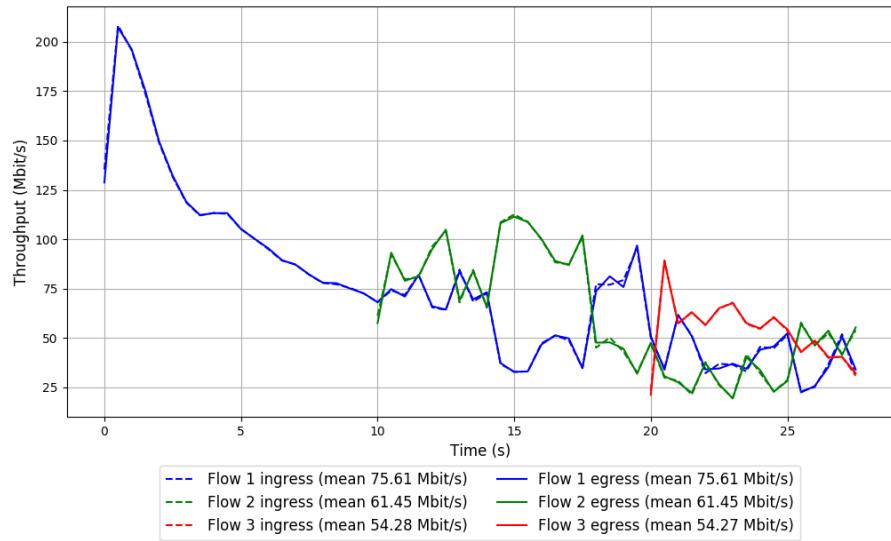


Run 1: Statistics of Copa

```
Start at: 2017-09-08 01:44:27
End at: 2017-09-08 01:44:57
Local clock offset: 0.727 ms
Remote clock offset: -1.518 ms

# Below is generated by plot.py at 2017-09-08 08:00:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.21 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 19.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 19.094 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

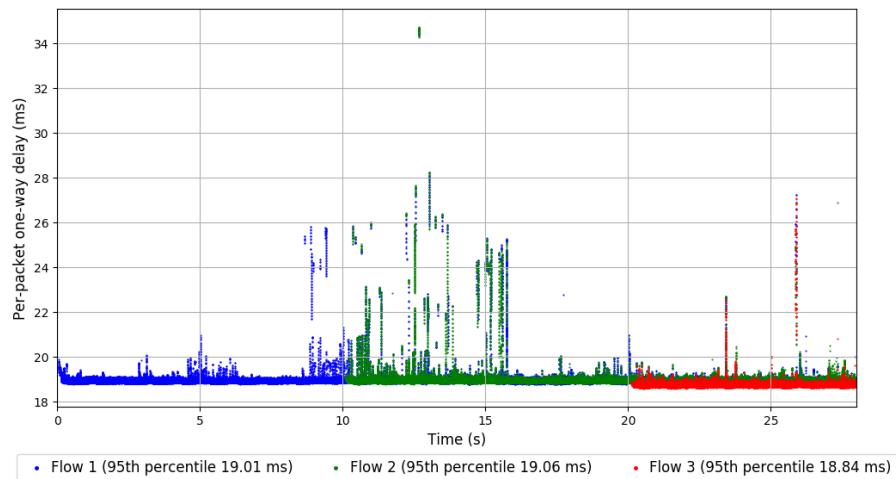
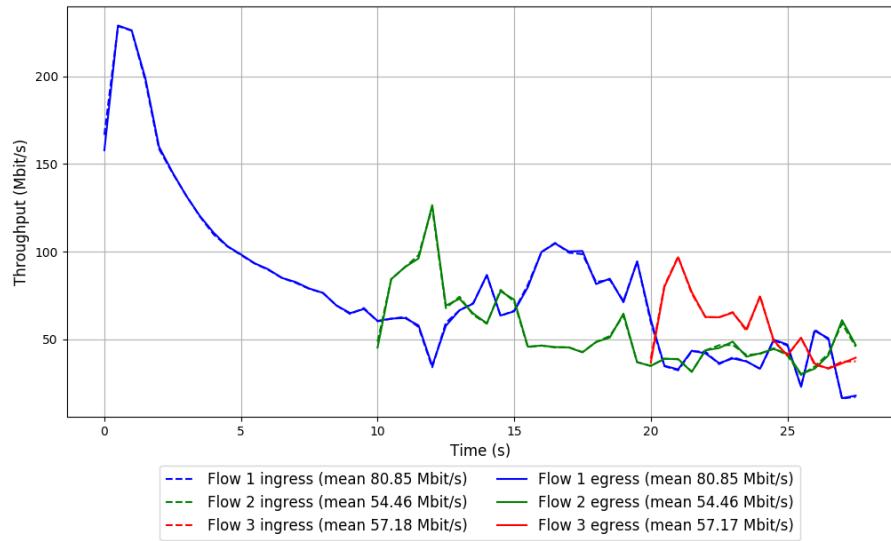


Run 2: Statistics of Copa

```
Start at: 2017-09-08 02:05:14
End at: 2017-09-08 02:05:44
Local clock offset: 0.746 ms
Remote clock offset: -1.444 ms

# Below is generated by plot.py at 2017-09-08 08:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.77 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 19.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

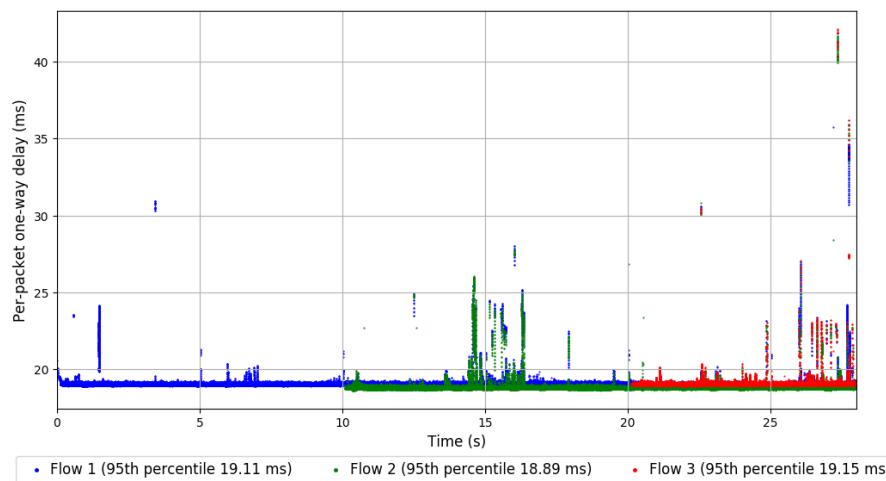
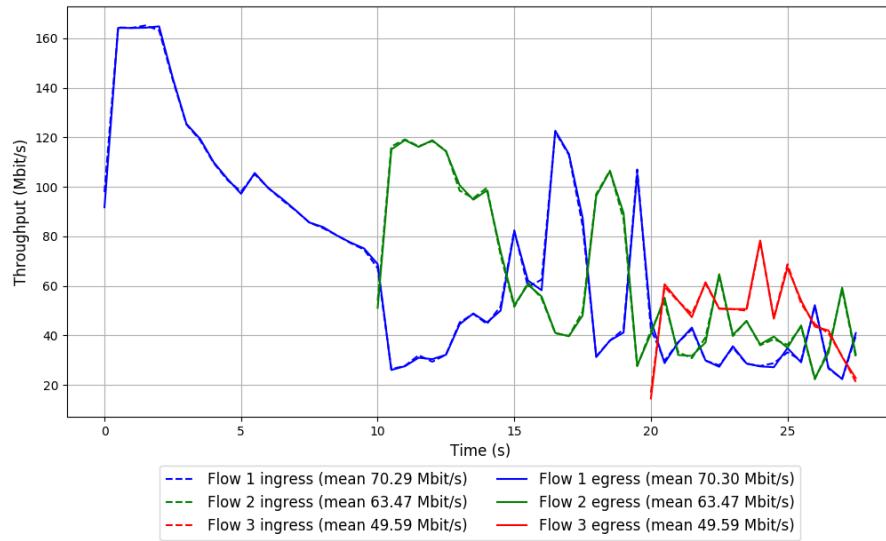


Run 3: Statistics of Copa

```
Start at: 2017-09-08 02:26:15
End at: 2017-09-08 02:26:45
Local clock offset: 0.536 ms
Remote clock offset: -2.0 ms

# Below is generated by plot.py at 2017-09-08 08:00:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.85 Mbit/s
95th percentile per-packet one-way delay: 19.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

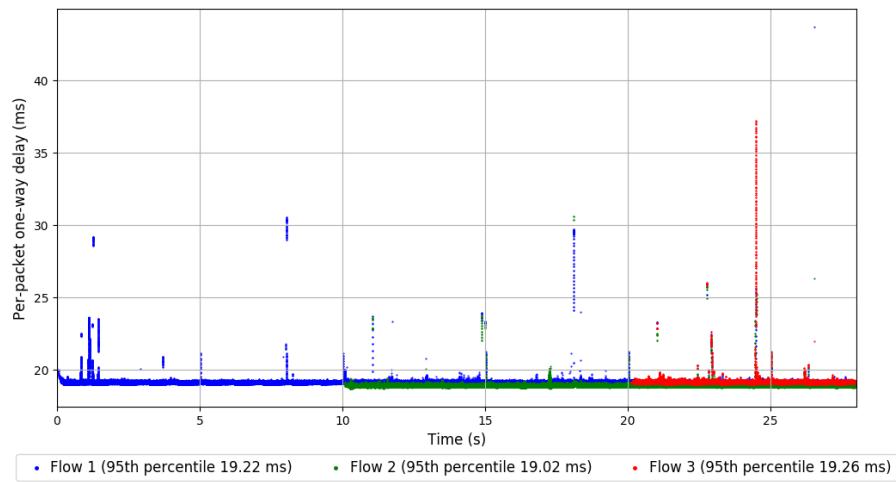
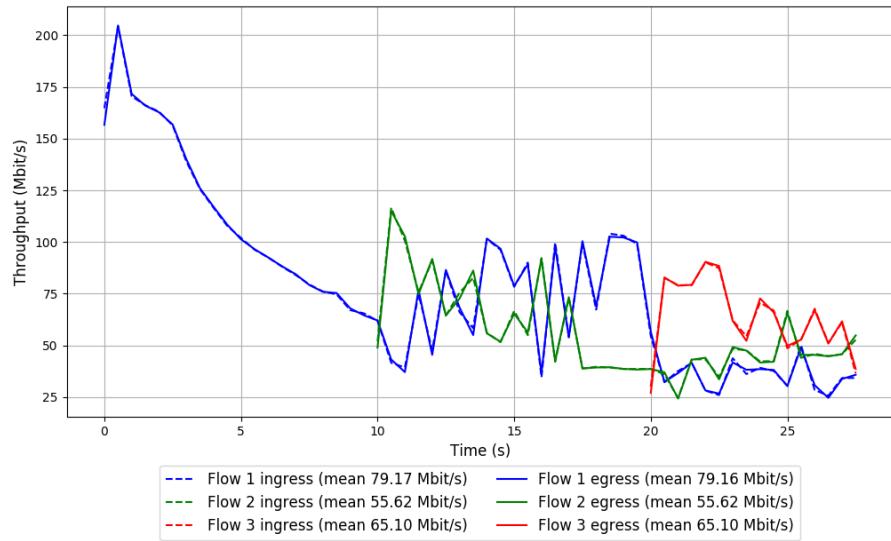


Run 4: Statistics of Copa

```
Start at: 2017-09-08 02:47:20
End at: 2017-09-08 02:47:50
Local clock offset: 0.466 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at 2017-09-08 08:01:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 133.07 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

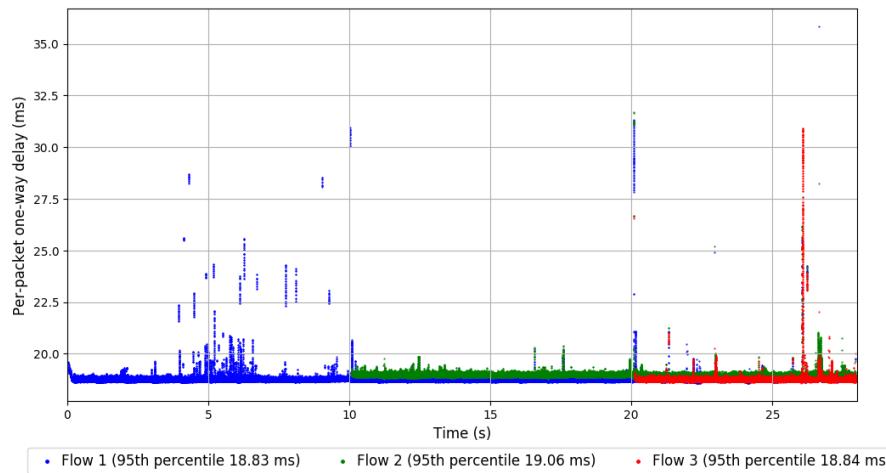
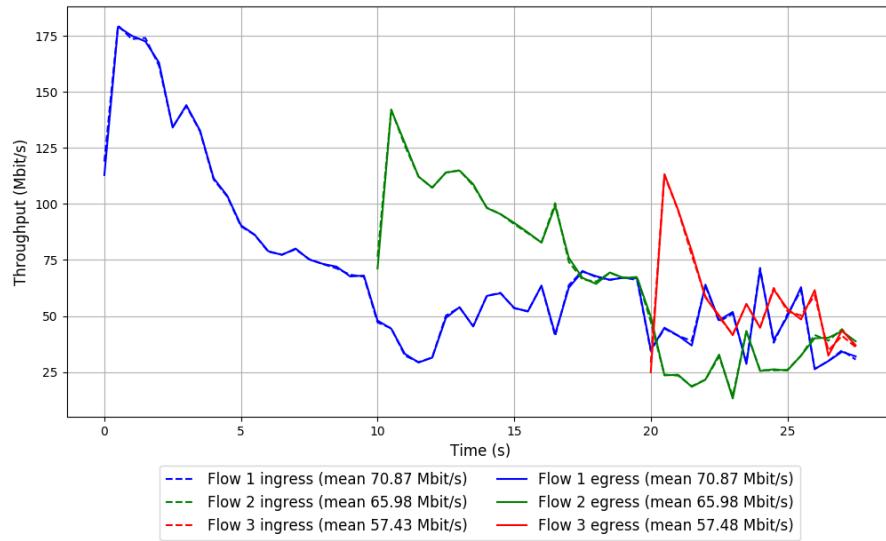


Run 5: Statistics of Copa

```
Start at: 2017-09-08 03:08:18
End at: 2017-09-08 03:08:48
Local clock offset: 0.398 ms
Remote clock offset: -1.821 ms

# Below is generated by plot.py at 2017-09-08 08:01:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 129.29 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 18.831 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.98 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.01%
```

Run 5: Report of Copa — Data Link

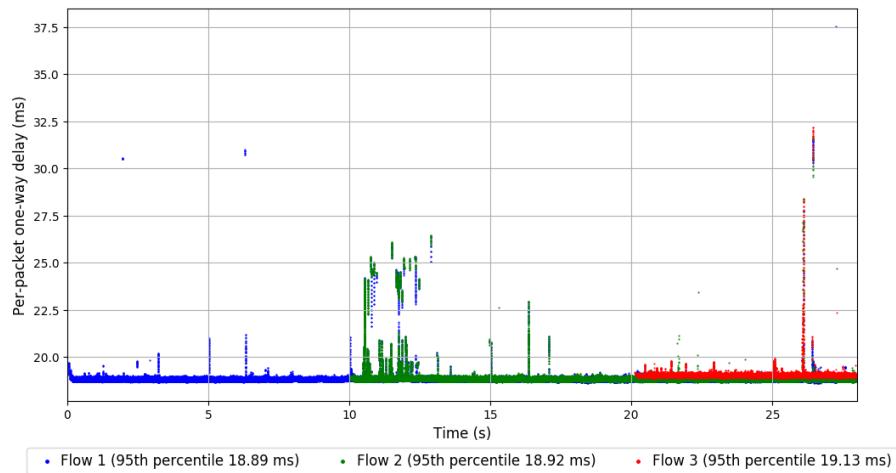
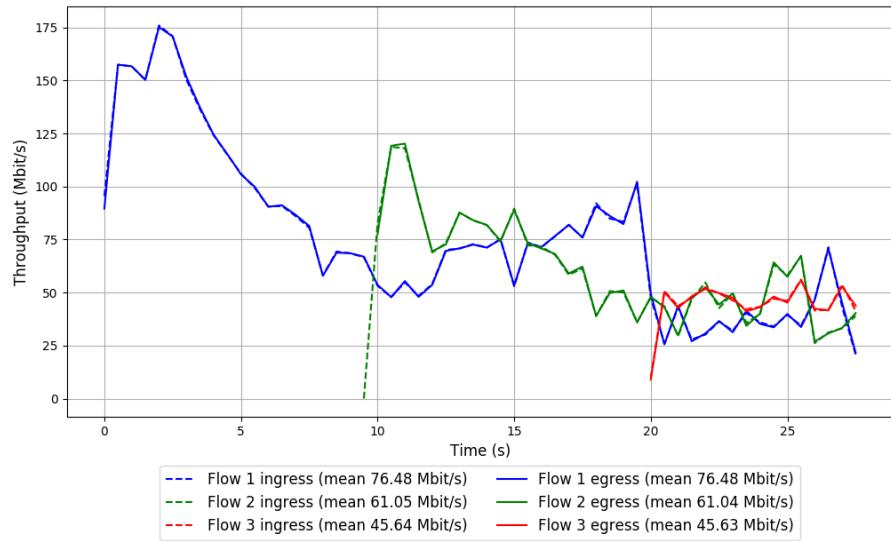


Run 6: Statistics of Copa

```
Start at: 2017-09-08 03:29:21
End at: 2017-09-08 03:29:51
Local clock offset: 0.308 ms
Remote clock offset: -1.525 ms

# Below is generated by plot.py at 2017-09-08 08:01:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.43 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 18.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.01%
```

Run 6: Report of Copa — Data Link

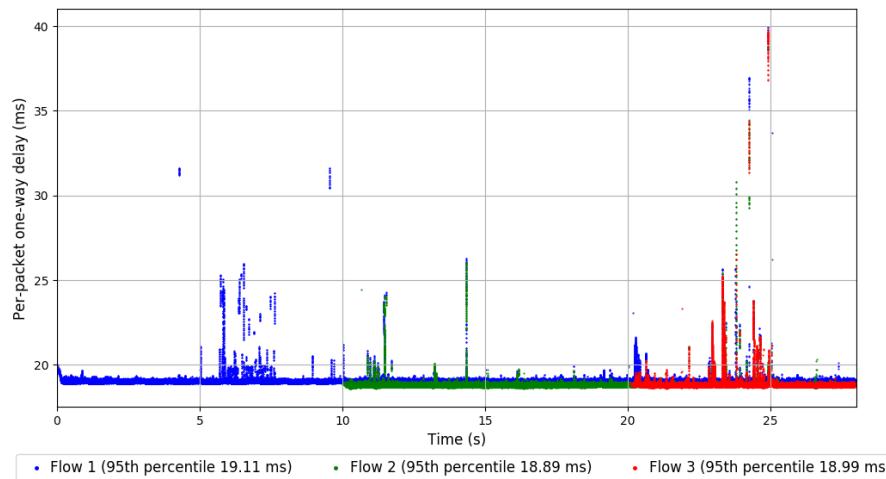
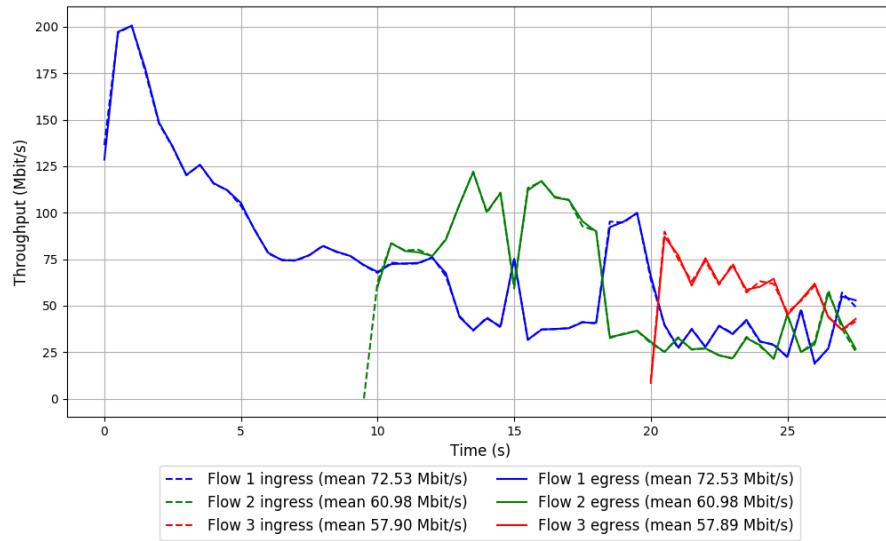


Run 7: Statistics of Copa

```
Start at: 2017-09-08 03:50:23
End at: 2017-09-08 03:50:53
Local clock offset: 0.185 ms
Remote clock offset: -1.699 ms

# Below is generated by plot.py at 2017-09-08 08:01:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.95 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.53 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 18.990 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

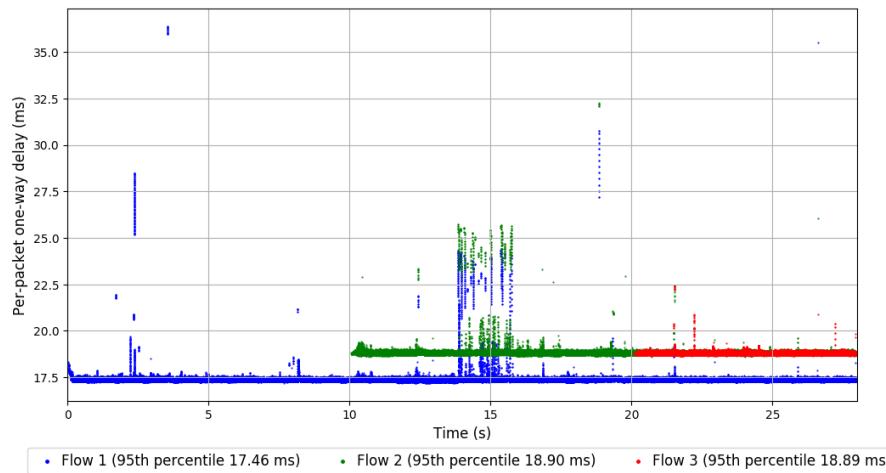
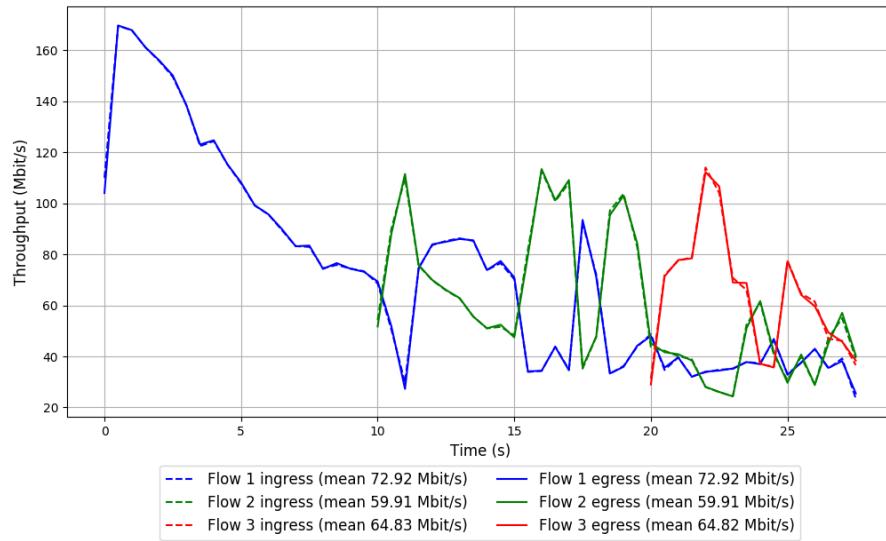


Run 8: Statistics of Copa

```
Start at: 2017-09-08 04:11:16
End at: 2017-09-08 04:11:46
Local clock offset: 0.054 ms
Remote clock offset: -1.635 ms

# Below is generated by plot.py at 2017-09-08 08:02:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 129.53 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.92 Mbit/s
95th percentile per-packet one-way delay: 17.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 18.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

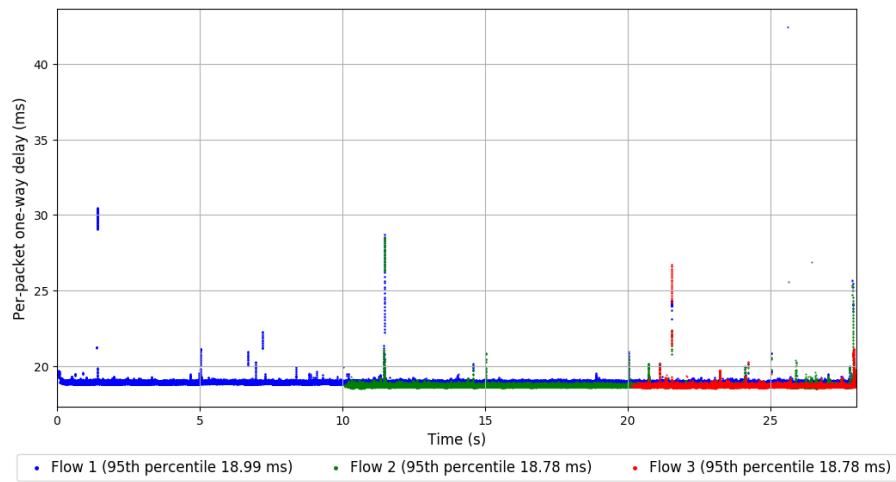
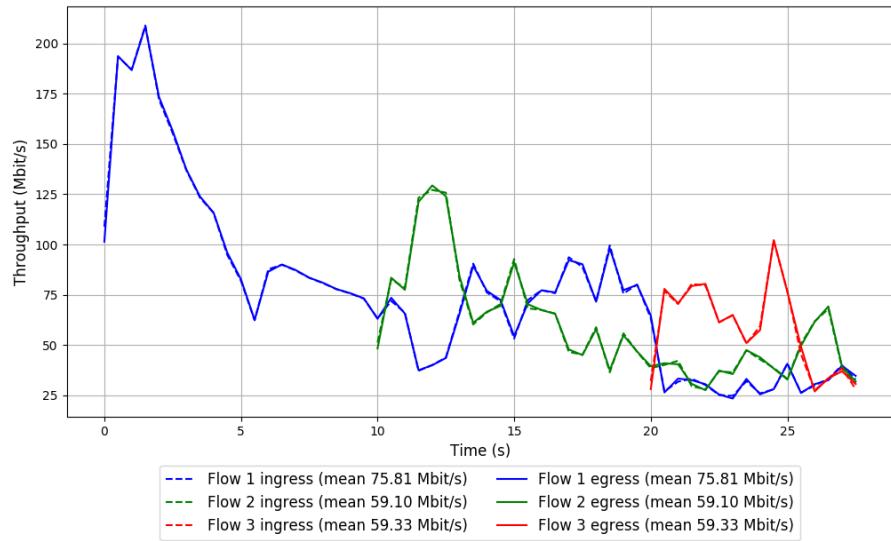


Run 9: Statistics of Copa

```
Start at: 2017-09-08 04:32:16
End at: 2017-09-08 04:32:46
Local clock offset: 0.134 ms
Remote clock offset: -1.632 ms

# Below is generated by plot.py at 2017-09-08 08:02:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.25 Mbit/s
95th percentile per-packet one-way delay: 18.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 18.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 18.778 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 18.779 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

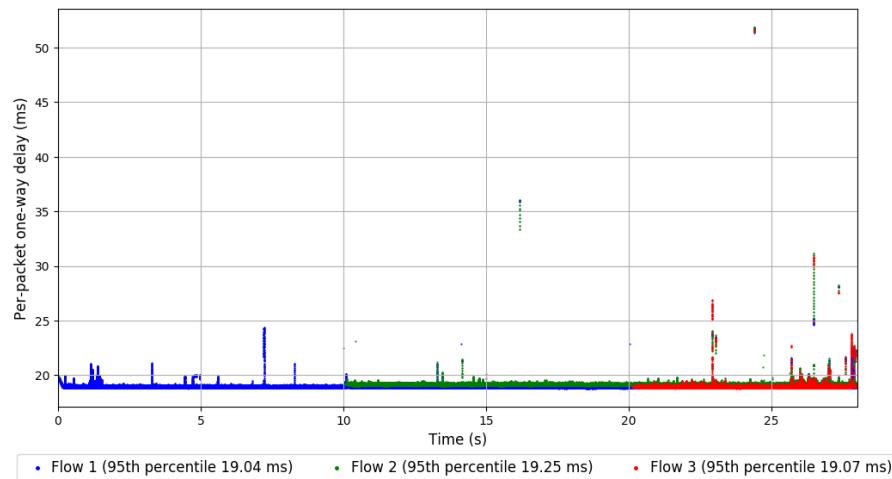
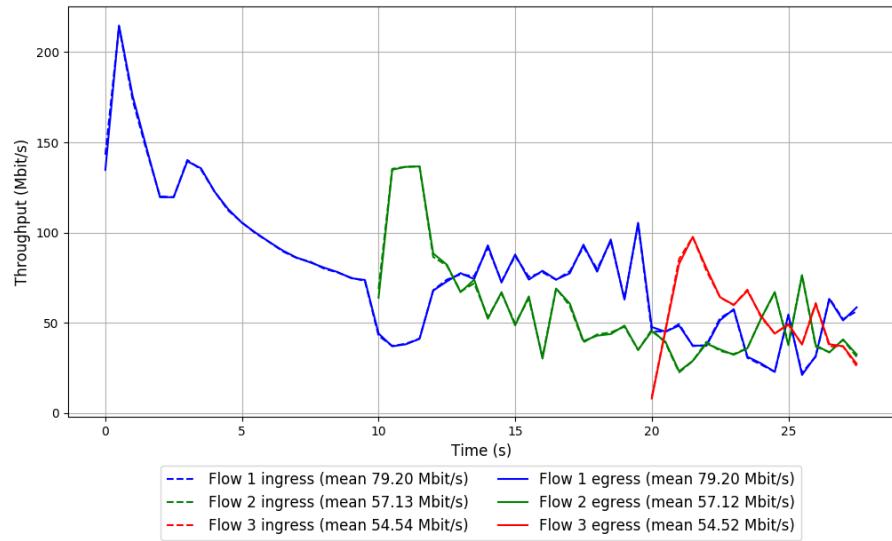


Run 10: Statistics of Copa

```
Start at: 2017-09-08 04:53:11
End at: 2017-09-08 04:53:41
Local clock offset: -0.105 ms
Remote clock offset: -1.568 ms

# Below is generated by plot.py at 2017-09-08 08:02:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.07 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 19.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 19.071 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

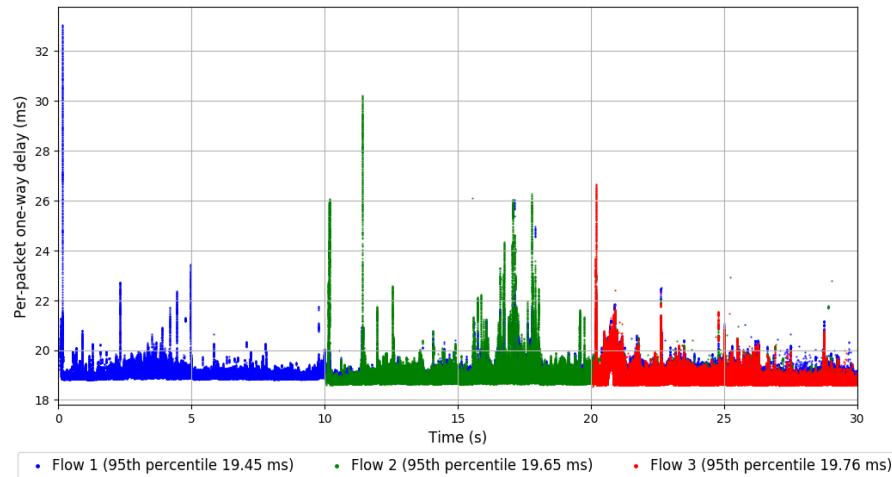
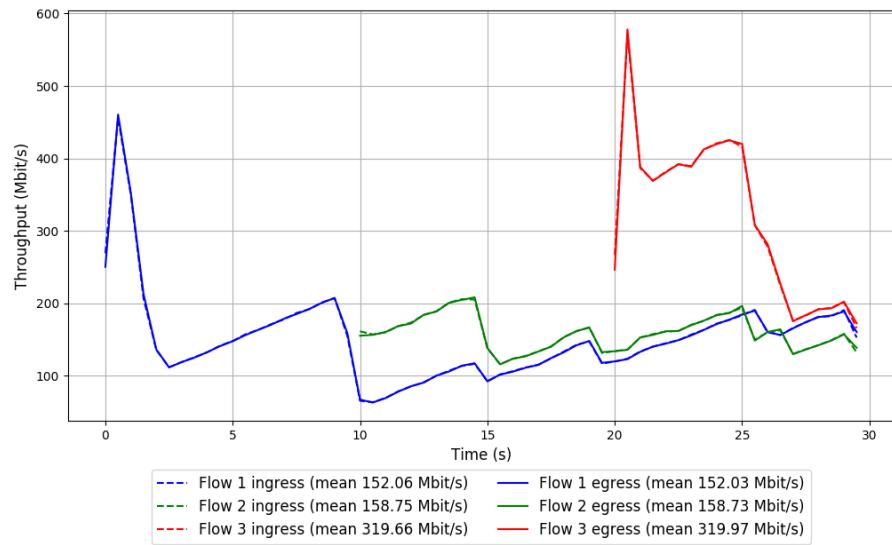


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-08 01:39:58
End at: 2017-09-08 01:40:28
Local clock offset: 0.83 ms
Remote clock offset: -1.579 ms

# Below is generated by plot.py at 2017-09-08 08:02:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.75 Mbit/s
95th percentile per-packet one-way delay: 19.589 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 152.03 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 158.73 Mbit/s
95th percentile per-packet one-way delay: 19.651 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 319.97 Mbit/s
95th percentile per-packet one-way delay: 19.758 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Cubic — Data Link

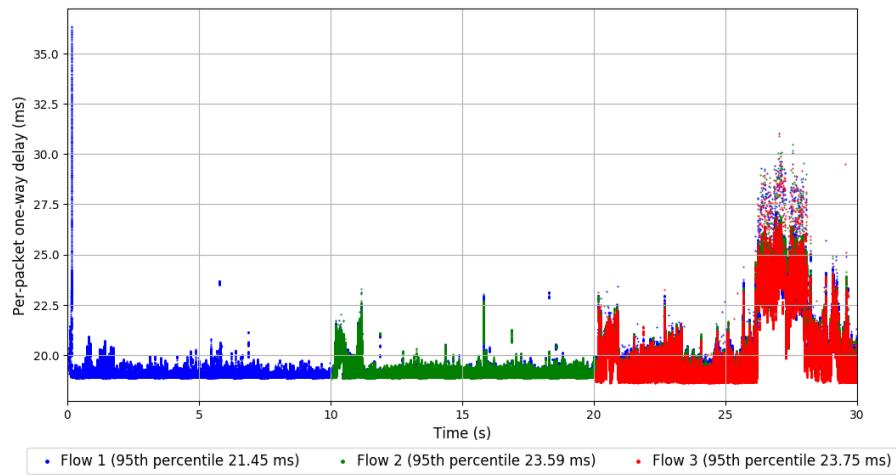
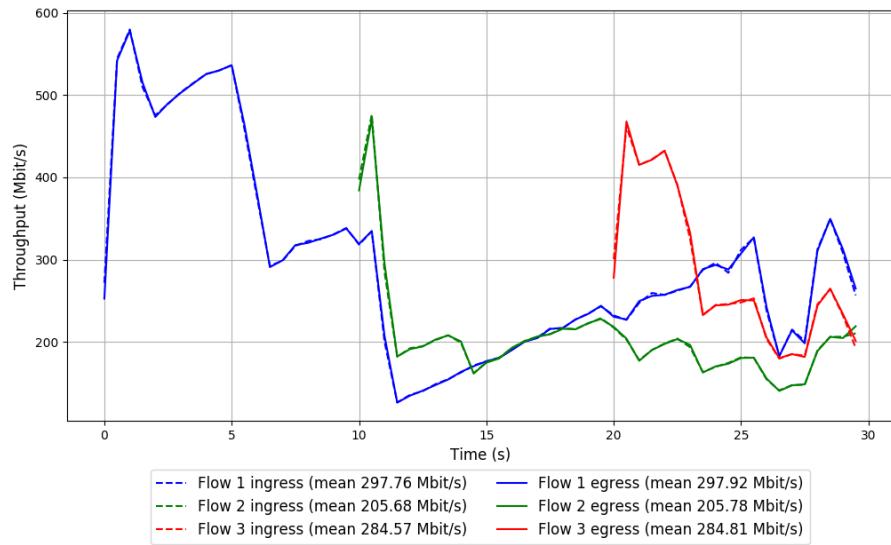


Run 2: Statistics of TCP Cubic

```
Start at: 2017-09-08 02:00:34
End at: 2017-09-08 02:01:04
Local clock offset: 0.767 ms
Remote clock offset: -1.407 ms

# Below is generated by plot.py at 2017-09-08 08:03:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.39 Mbit/s
95th percentile per-packet one-way delay: 22.995 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 297.92 Mbit/s
95th percentile per-packet one-way delay: 21.449 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 205.78 Mbit/s
95th percentile per-packet one-way delay: 23.595 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 284.81 Mbit/s
95th percentile per-packet one-way delay: 23.745 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Cubic — Data Link

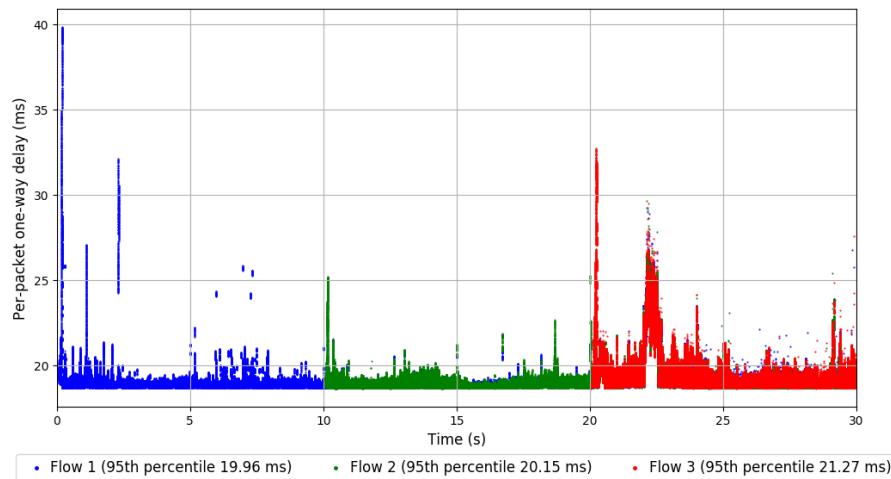
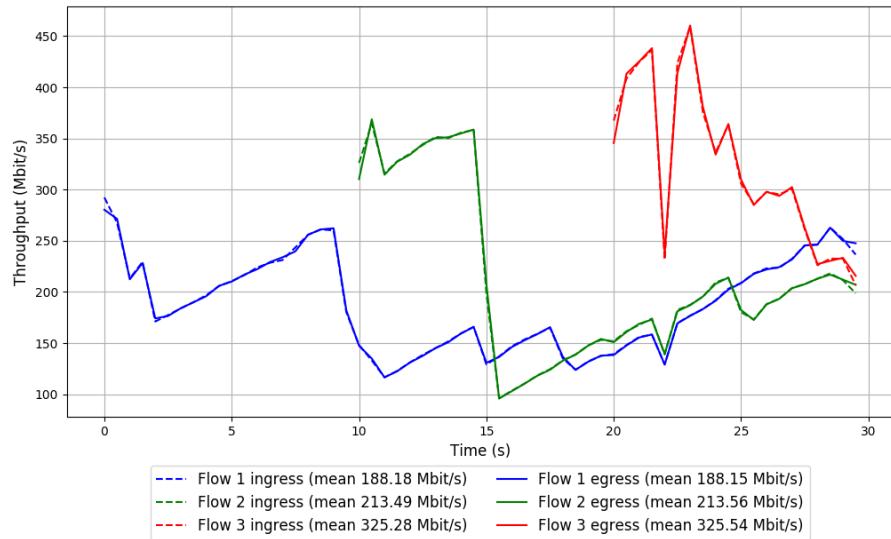


Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-08 02:21:39
End at: 2017-09-08 02:22:09
Local clock offset: 0.591 ms
Remote clock offset: -1.853 ms

# Below is generated by plot.py at 2017-09-08 08:03:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 438.39 Mbit/s
95th percentile per-packet one-way delay: 20.418 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 19.956 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 213.56 Mbit/s
95th percentile per-packet one-way delay: 20.150 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 325.54 Mbit/s
95th percentile per-packet one-way delay: 21.266 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link

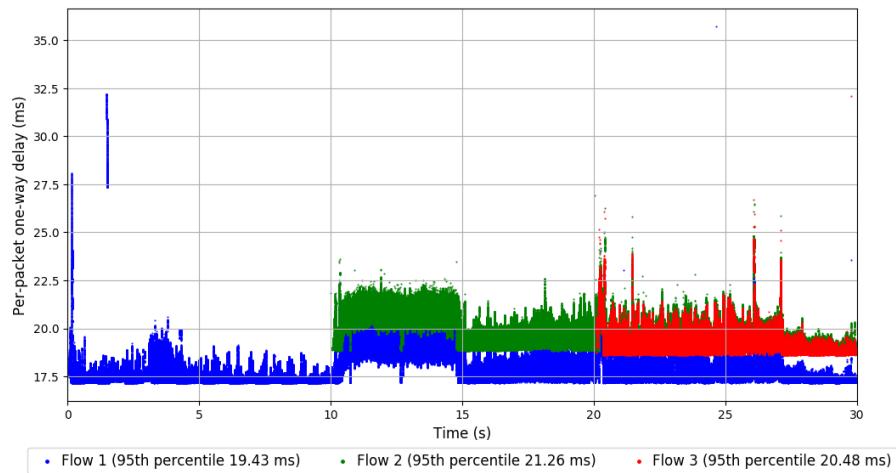
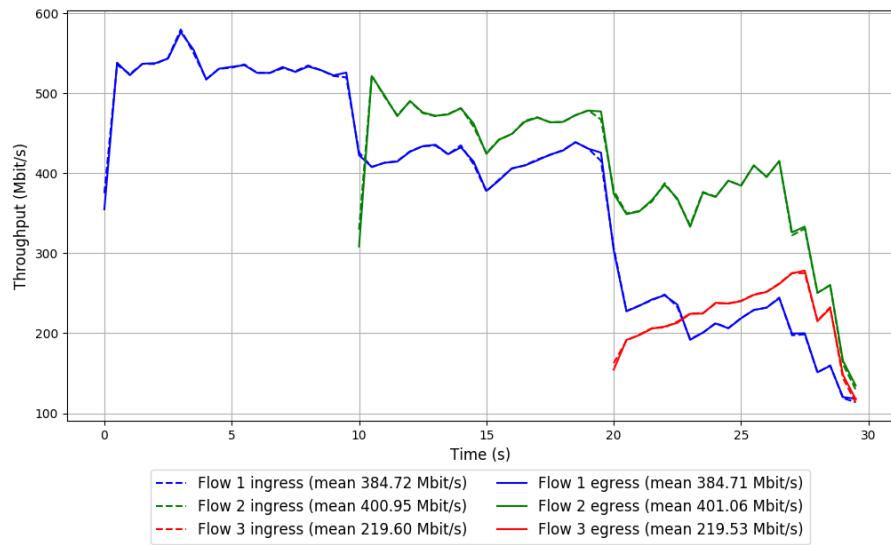


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-08 02:42:30
End at: 2017-09-08 02:43:00
Local clock offset: 0.58 ms
Remote clock offset: -1.931 ms

# Below is generated by plot.py at 2017-09-08 08:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 724.52 Mbit/s
95th percentile per-packet one-way delay: 20.966 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 384.71 Mbit/s
95th percentile per-packet one-way delay: 19.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 401.06 Mbit/s
95th percentile per-packet one-way delay: 21.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 219.53 Mbit/s
95th percentile per-packet one-way delay: 20.485 ms
Loss rate: 0.04%
```

Run 4: Report of TCP Cubic — Data Link

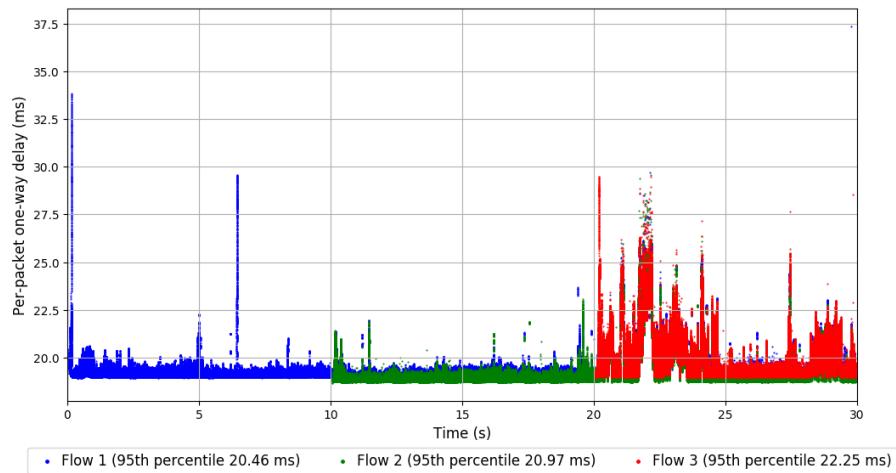
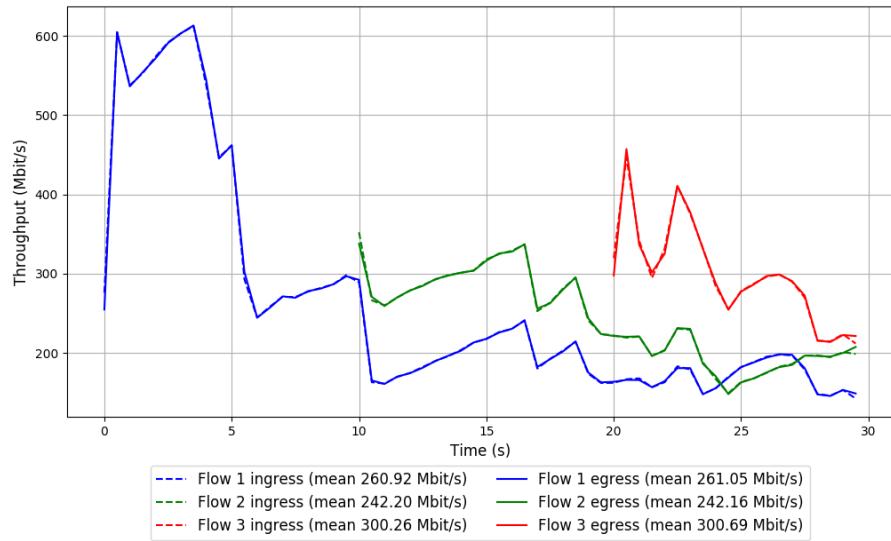


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-08 03:03:39
End at: 2017-09-08 03:04:09
Local clock offset: 0.403 ms
Remote clock offset: -1.805 ms

# Below is generated by plot.py at 2017-09-08 08:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.00 Mbit/s
95th percentile per-packet one-way delay: 21.113 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 261.05 Mbit/s
95th percentile per-packet one-way delay: 20.460 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 242.16 Mbit/s
95th percentile per-packet one-way delay: 20.968 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 300.69 Mbit/s
95th percentile per-packet one-way delay: 22.250 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Cubic — Data Link

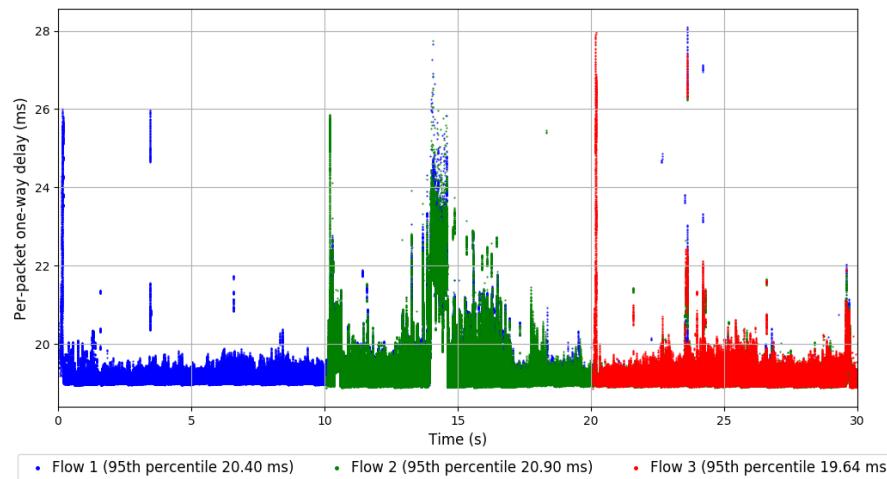
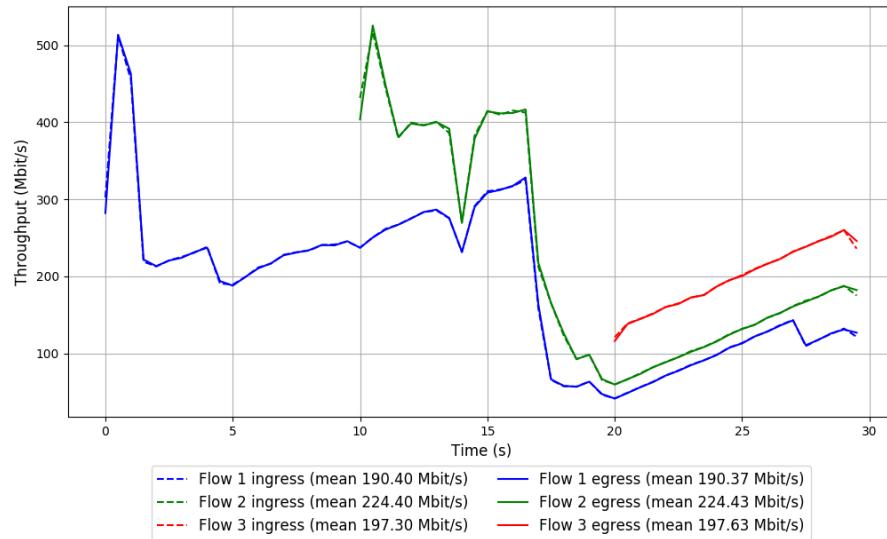


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-08 03:24:47
End at: 2017-09-08 03:25:17
Local clock offset: 0.408 ms
Remote clock offset: -1.569 ms

# Below is generated by plot.py at 2017-09-08 08:05:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.28 Mbit/s
95th percentile per-packet one-way delay: 20.506 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 190.37 Mbit/s
95th percentile per-packet one-way delay: 20.402 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 224.43 Mbit/s
95th percentile per-packet one-way delay: 20.900 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 197.63 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link

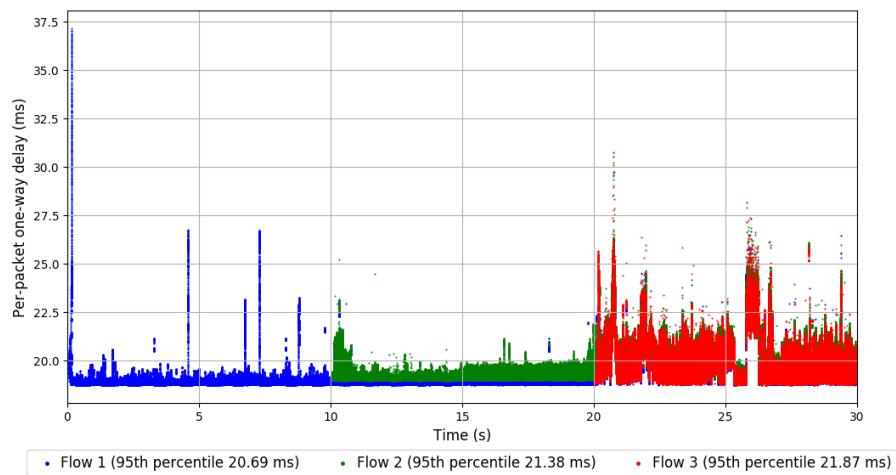
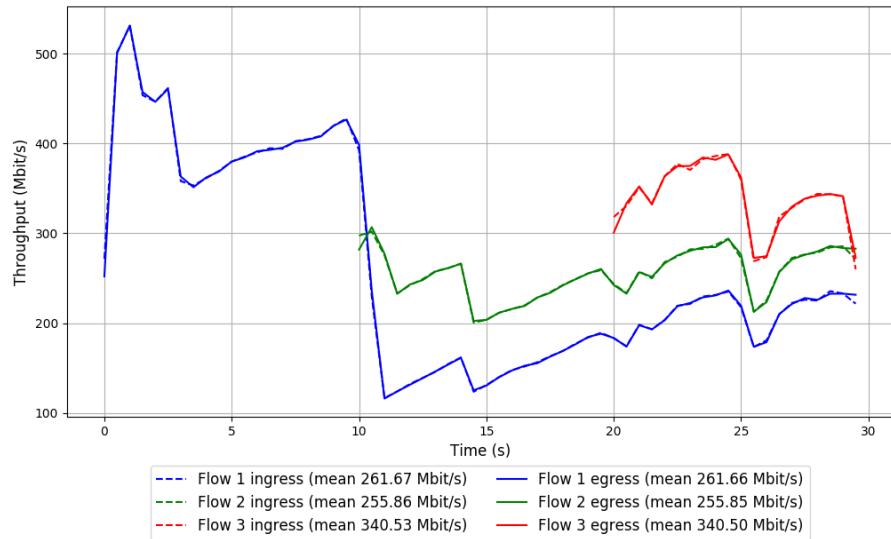


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-08 03:45:40
End at: 2017-09-08 03:46:10
Local clock offset: 0.217 ms
Remote clock offset: -1.561 ms

# Below is generated by plot.py at 2017-09-08 08:06:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 545.20 Mbit/s
95th percentile per-packet one-way delay: 21.242 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 261.66 Mbit/s
95th percentile per-packet one-way delay: 20.692 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 255.85 Mbit/s
95th percentile per-packet one-way delay: 21.381 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 340.50 Mbit/s
95th percentile per-packet one-way delay: 21.872 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Cubic — Data Link

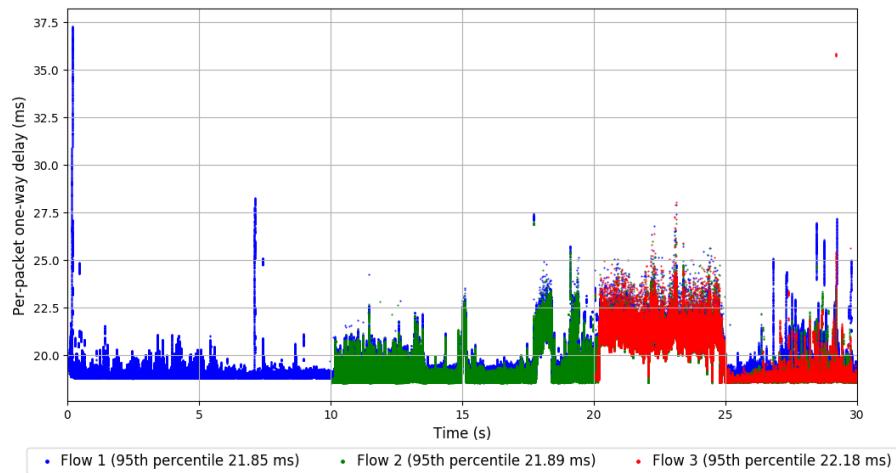
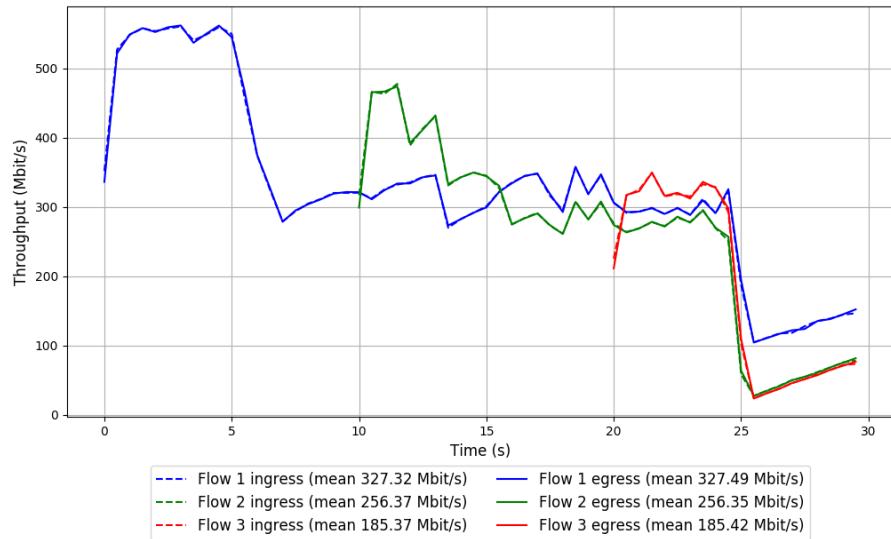


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-08 04:06:42
End at: 2017-09-08 04:07:12
Local clock offset: 0.195 ms
Remote clock offset: -1.719 ms

# Below is generated by plot.py at 2017-09-08 08:07:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.66 Mbit/s
95th percentile per-packet one-way delay: 21.929 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 327.49 Mbit/s
95th percentile per-packet one-way delay: 21.848 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 256.35 Mbit/s
95th percentile per-packet one-way delay: 21.888 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 185.42 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Cubic — Data Link

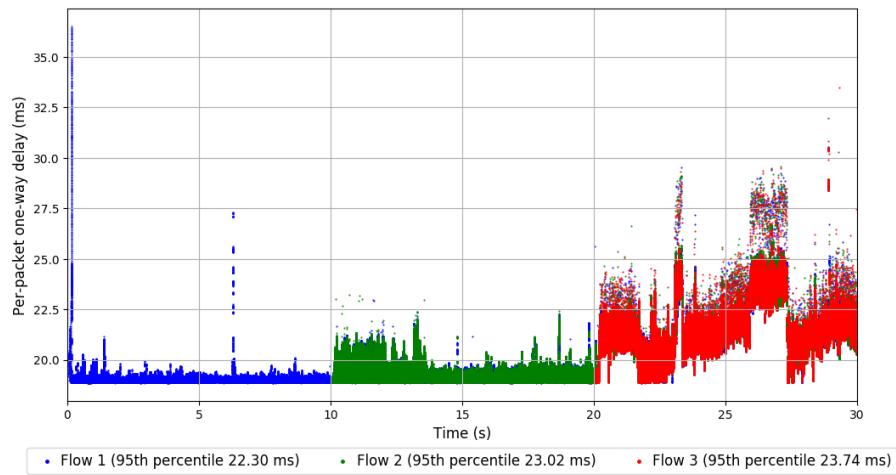
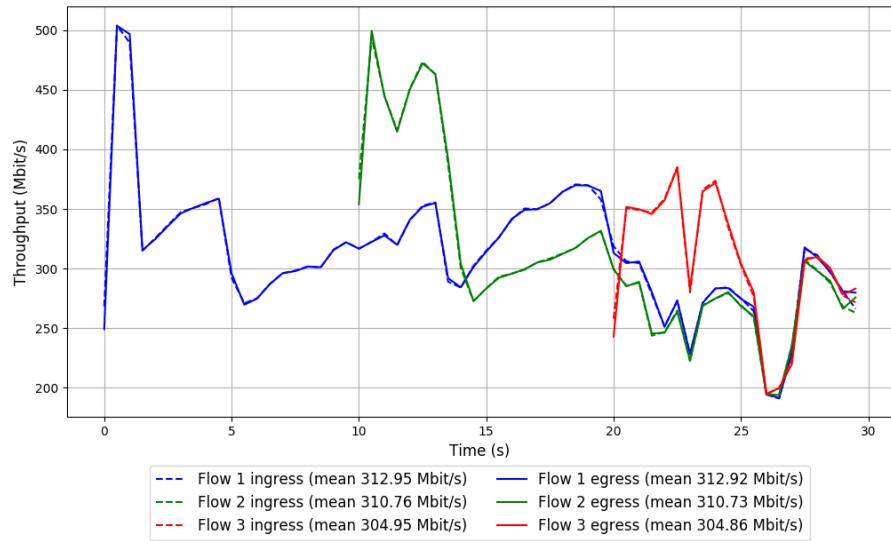


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-08 04:27:31
End at: 2017-09-08 04:28:01
Local clock offset: 0.137 ms
Remote clock offset: -1.603 ms

# Below is generated by plot.py at 2017-09-08 08:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 621.00 Mbit/s
95th percentile per-packet one-way delay: 23.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.92 Mbit/s
95th percentile per-packet one-way delay: 22.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 310.73 Mbit/s
95th percentile per-packet one-way delay: 23.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 304.86 Mbit/s
95th percentile per-packet one-way delay: 23.736 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Cubic — Data Link

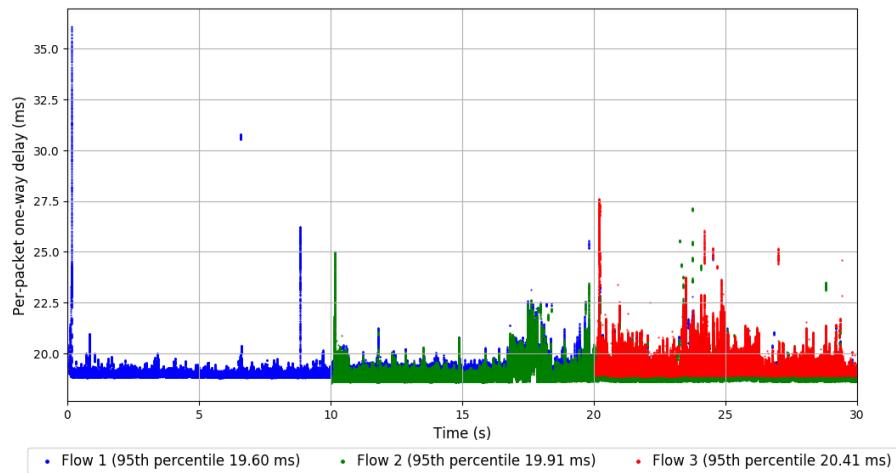
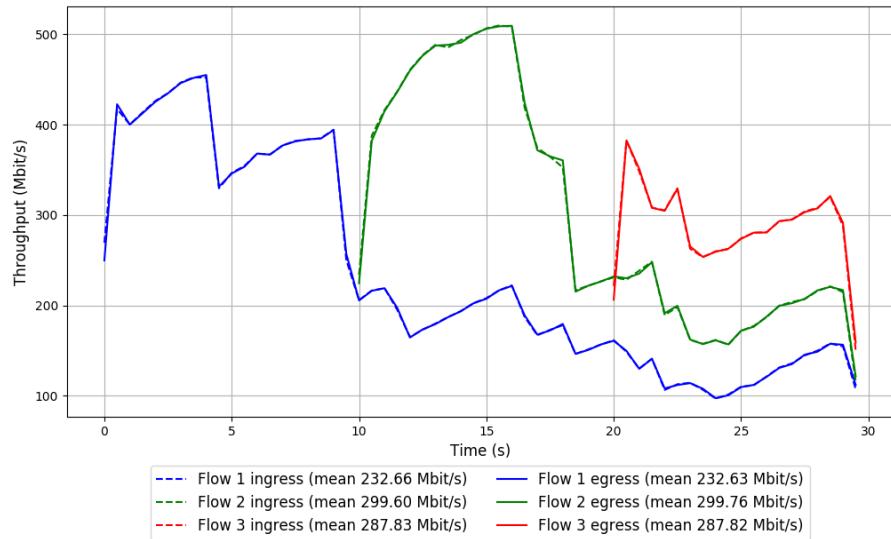


Run 10: Statistics of TCP Cubic

```
Start at: 2017-09-08 04:48:43
End at: 2017-09-08 04:49:13
Local clock offset: 0.036 ms
Remote clock offset: -1.574 ms

# Below is generated by plot.py at 2017-09-08 08:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 527.92 Mbit/s
95th percentile per-packet one-way delay: 19.938 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.63 Mbit/s
95th percentile per-packet one-way delay: 19.599 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 299.76 Mbit/s
95th percentile per-packet one-way delay: 19.912 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 287.82 Mbit/s
95th percentile per-packet one-way delay: 20.411 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

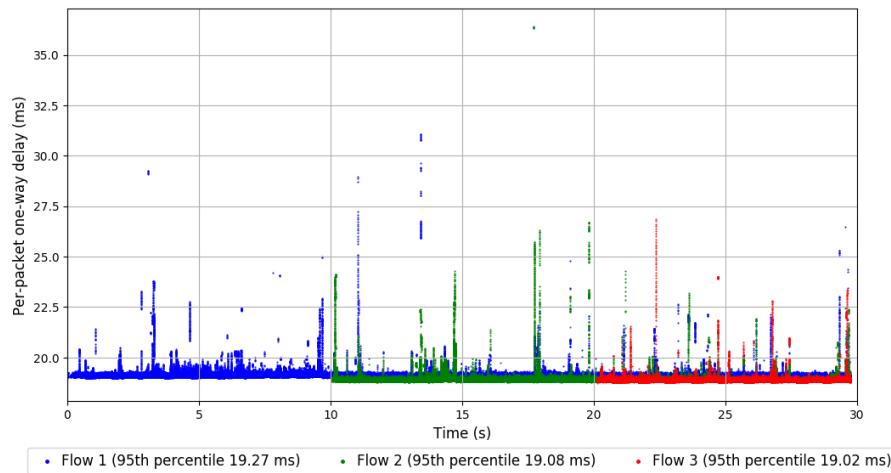
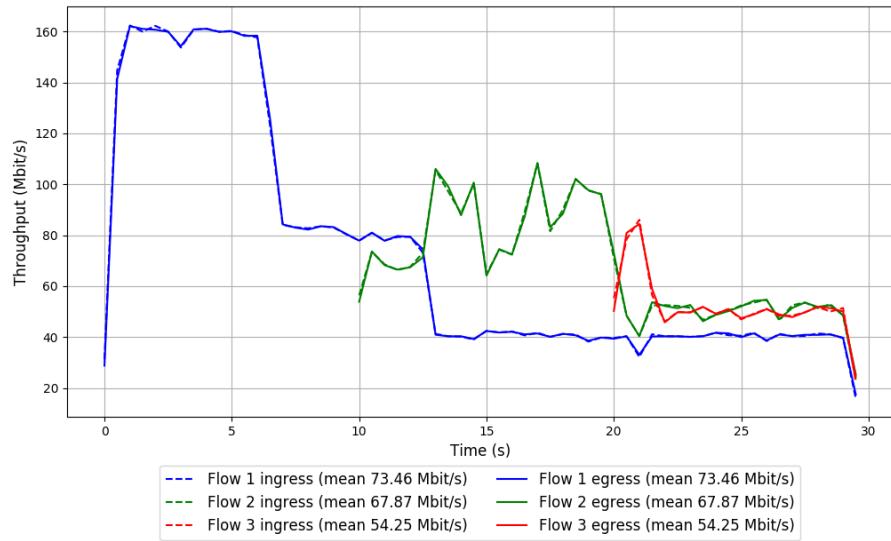


Run 1: Statistics of Indigo

```
Start at: 2017-09-08 01:31:57
End at: 2017-09-08 01:32:27
Local clock offset: 0.791 ms
Remote clock offset: -1.408 ms

# Below is generated by plot.py at 2017-09-08 08:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 136.01 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.46 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 19.078 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

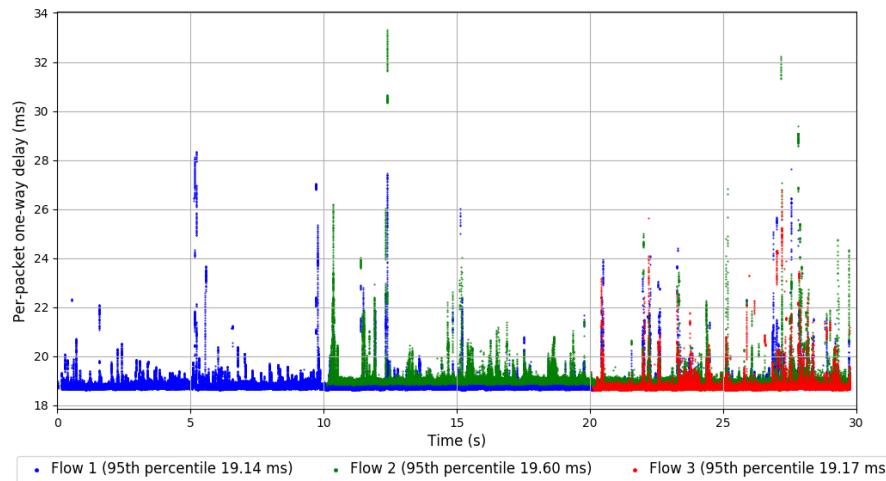
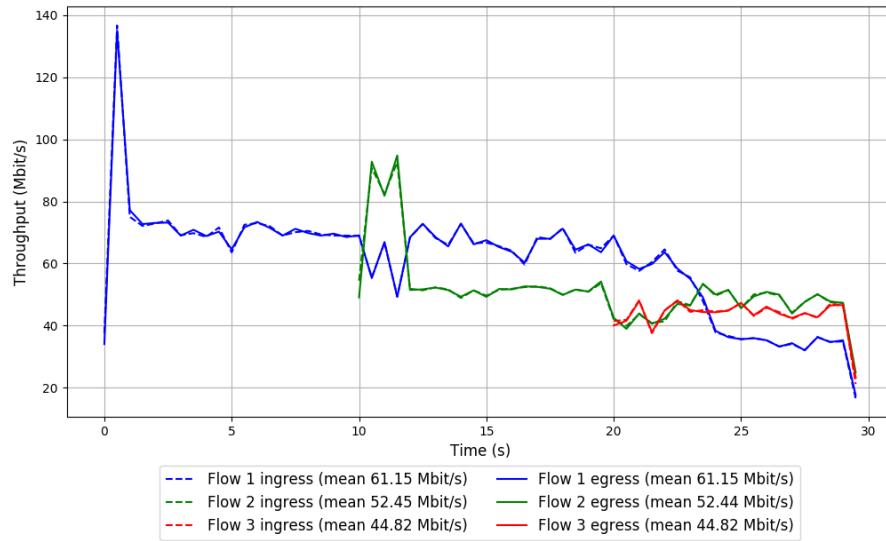


Run 2: Statistics of Indigo

```
Start at: 2017-09-08 01:52:33
End at: 2017-09-08 01:53:03
Local clock offset: 0.791 ms
Remote clock offset: -1.447 ms

# Below is generated by plot.py at 2017-09-08 08:08:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.27 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 19.601 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo — Data Link

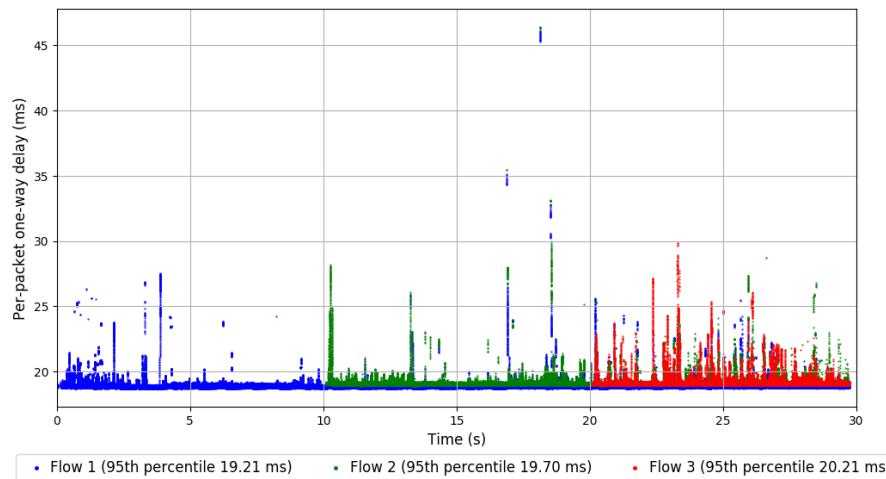
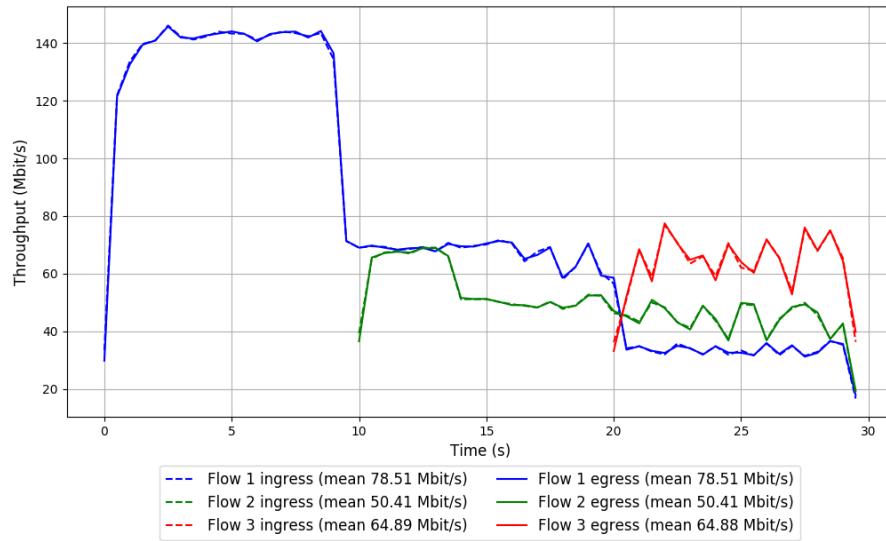


Run 3: Statistics of Indigo

```
Start at: 2017-09-08 02:13:35
End at: 2017-09-08 02:14:05
Local clock offset: 0.63 ms
Remote clock offset: -1.615 ms

# Below is generated by plot.py at 2017-09-08 08:08:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.91 Mbit/s
95th percentile per-packet one-way delay: 19.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 19.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.88 Mbit/s
95th percentile per-packet one-way delay: 20.206 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

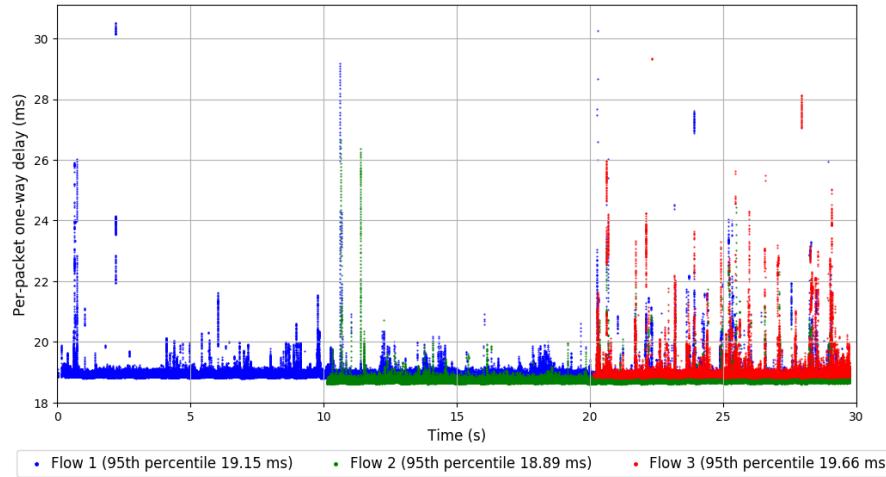
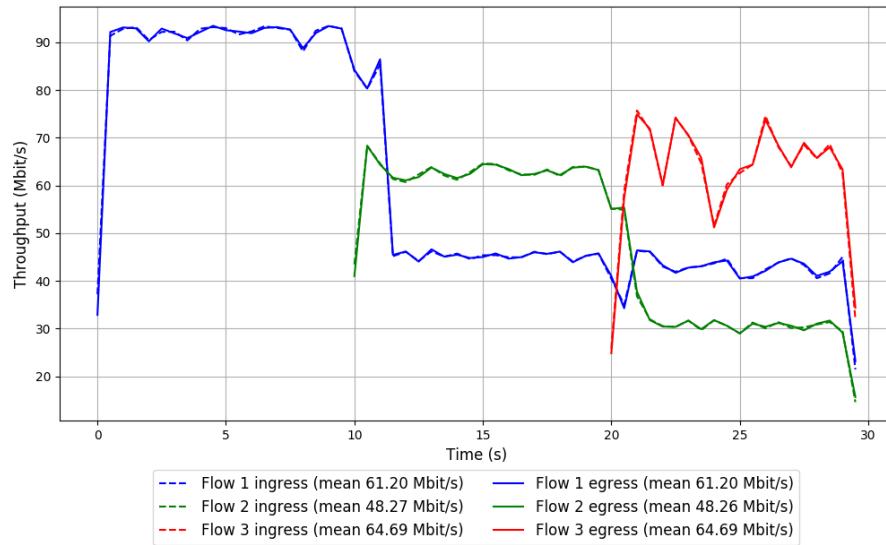


Run 4: Statistics of Indigo

```
Start at: 2017-09-08 02:34:28
End at: 2017-09-08 02:34:58
Local clock offset: 0.601 ms
Remote clock offset: -2.009 ms

# Below is generated by plot.py at 2017-09-08 08:08:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.99 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

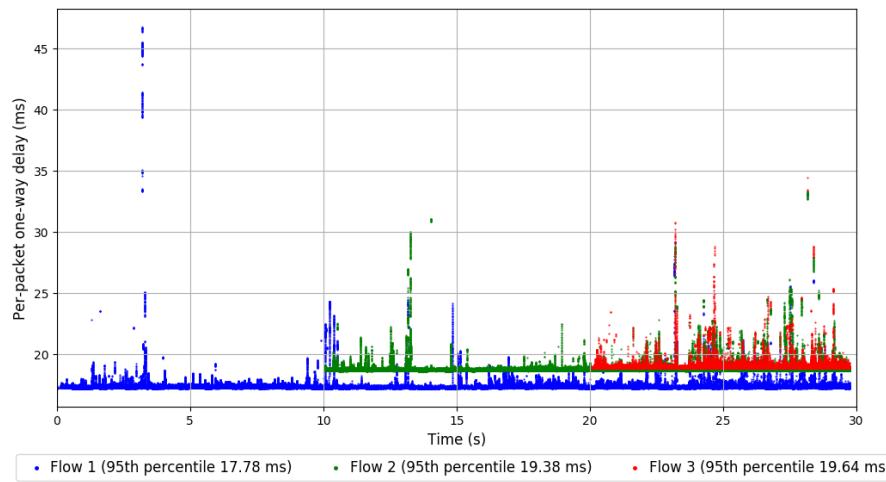
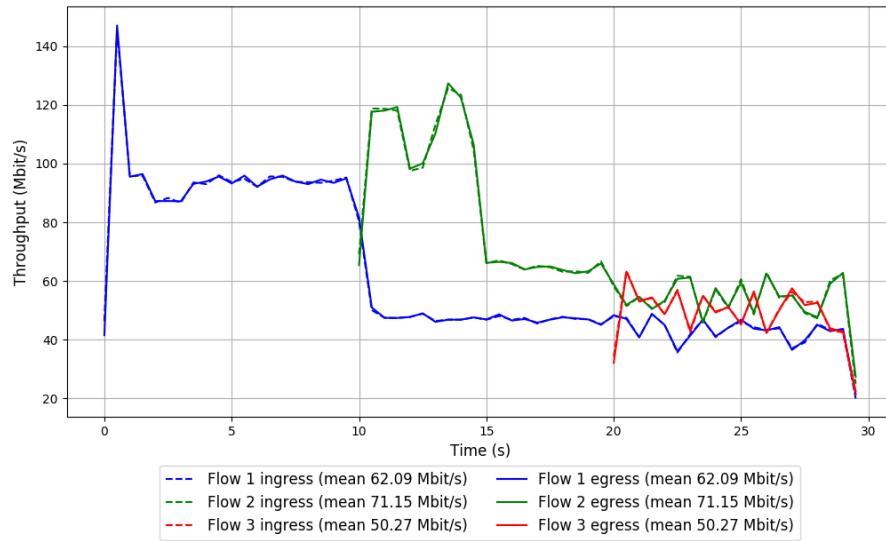


Run 5: Statistics of Indigo

```
Start at: 2017-09-08 02:55:35
End at: 2017-09-08 02:56:05
Local clock offset: 0.547 ms
Remote clock offset: -1.76 ms

# Below is generated by plot.py at 2017-09-08 08:08:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.62 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.09 Mbit/s
95th percentile per-packet one-way delay: 17.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 19.640 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

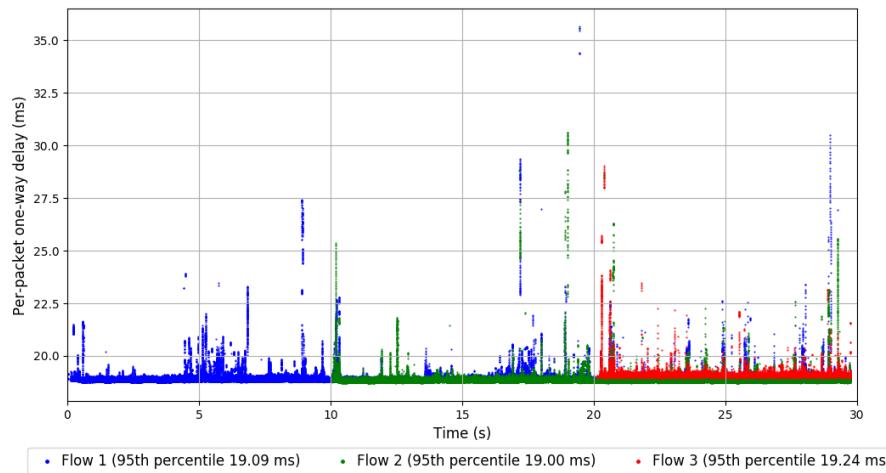
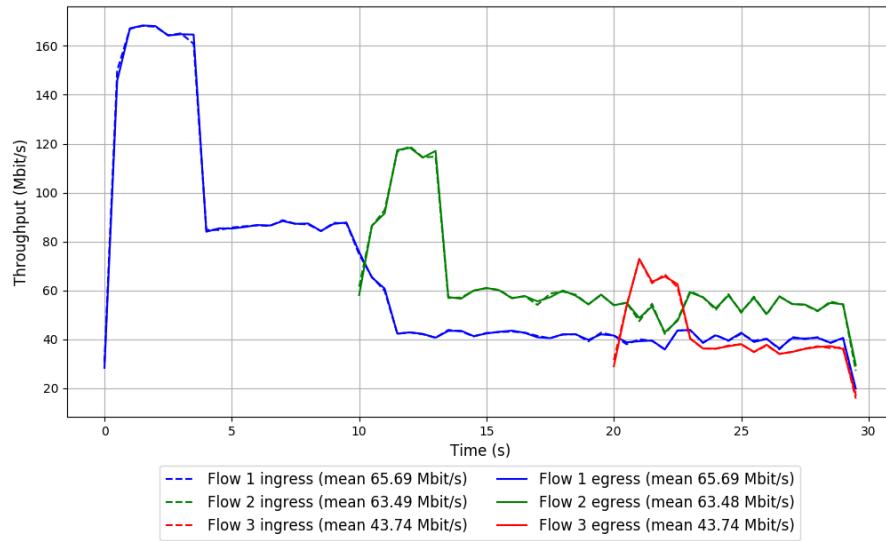


Run 6: Statistics of Indigo

```
Start at: 2017-09-08 03:16:30
End at: 2017-09-08 03:17:00
Local clock offset: 0.331 ms
Remote clock offset: -1.789 ms

# Below is generated by plot.py at 2017-09-08 08:09:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.86 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.69 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.01%
```

Run 6: Report of Indigo — Data Link

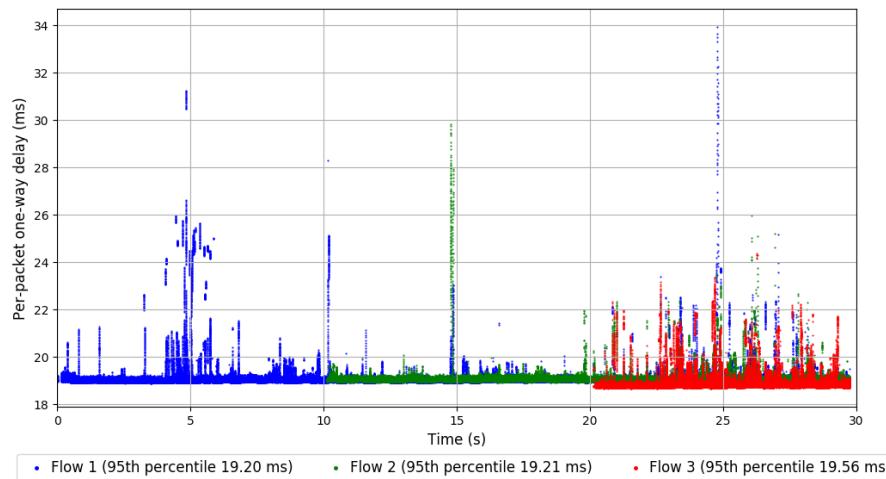
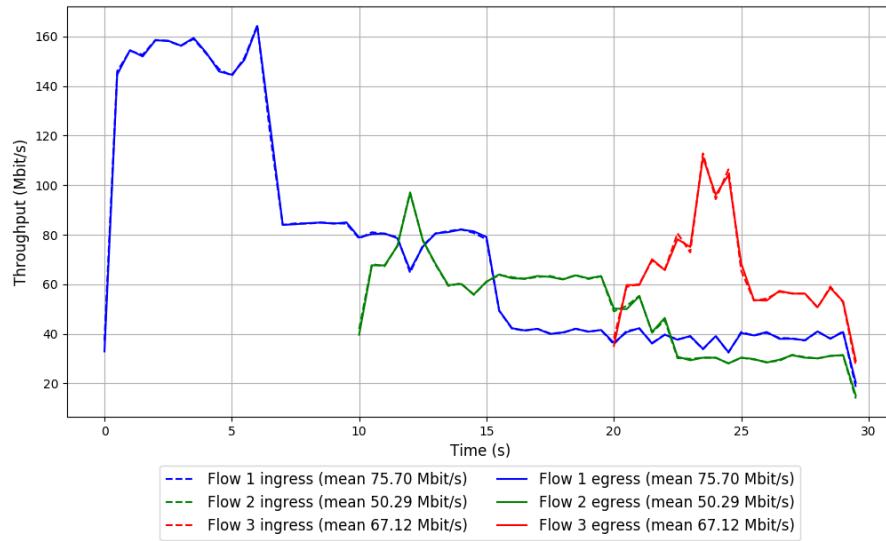


Run 7: Statistics of Indigo

```
Start at: 2017-09-08 03:37:37
End at: 2017-09-08 03:38:07
Local clock offset: 0.359 ms
Remote clock offset: -1.324 ms

# Below is generated by plot.py at 2017-09-08 08:09:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.62 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: 19.562 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

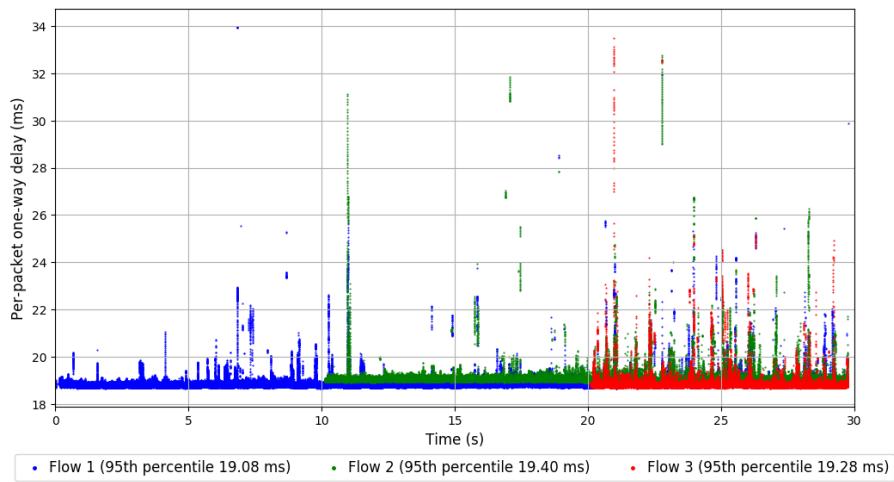
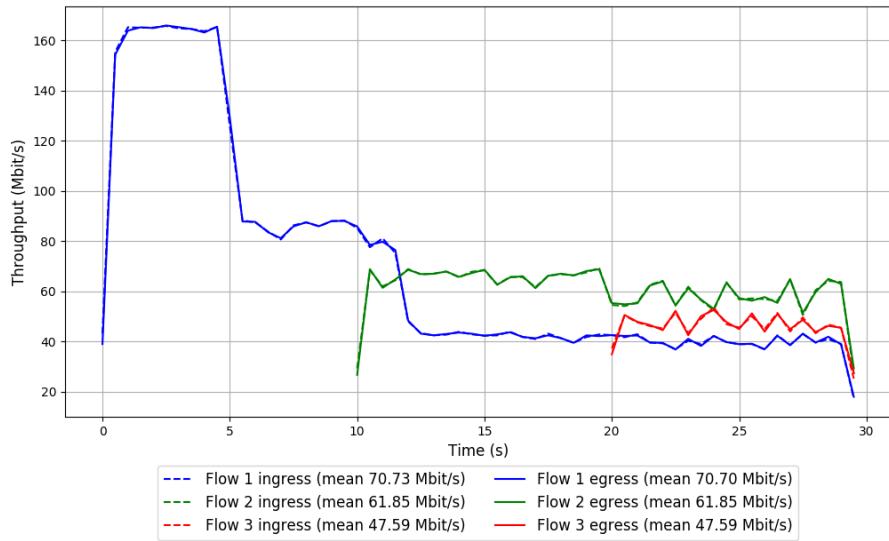


Run 8: Statistics of Indigo

```
Start at: 2017-09-08 03:58:41
End at: 2017-09-08 03:59:11
Local clock offset: 0.246 ms
Remote clock offset: -1.743 ms

# Below is generated by plot.py at 2017-09-08 08:09:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.96 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

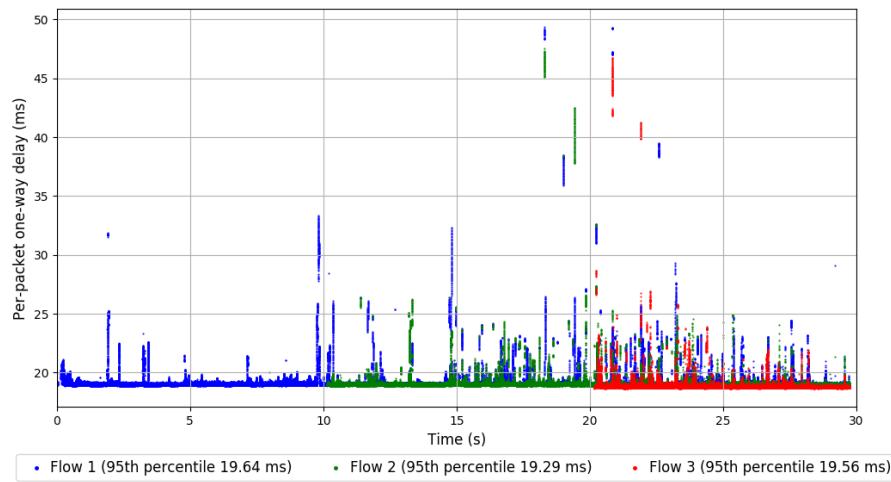
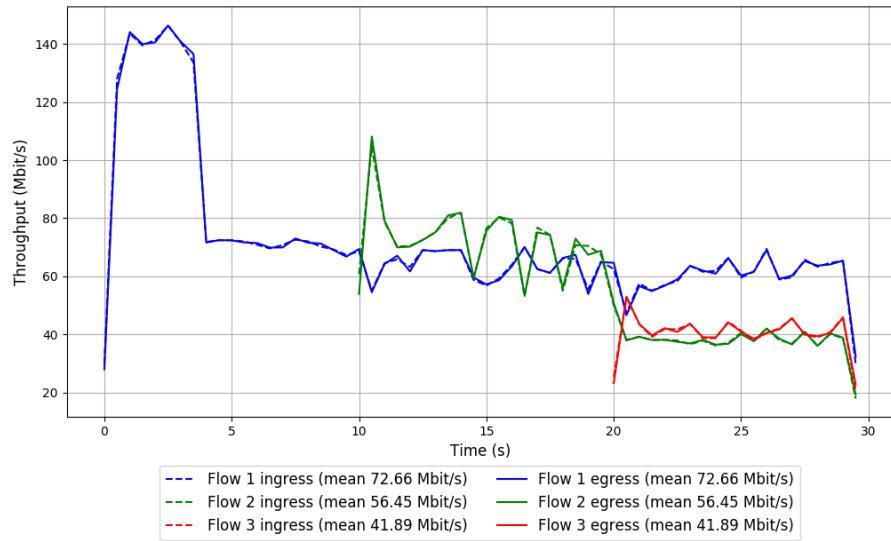


Run 9: Statistics of Indigo

```
Start at: 2017-09-08 04:19:28
End at: 2017-09-08 04:19:58
Local clock offset: 0.155 ms
Remote clock offset: -1.619 ms

# Below is generated by plot.py at 2017-09-08 08:09:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.39 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 19.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 19.557 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

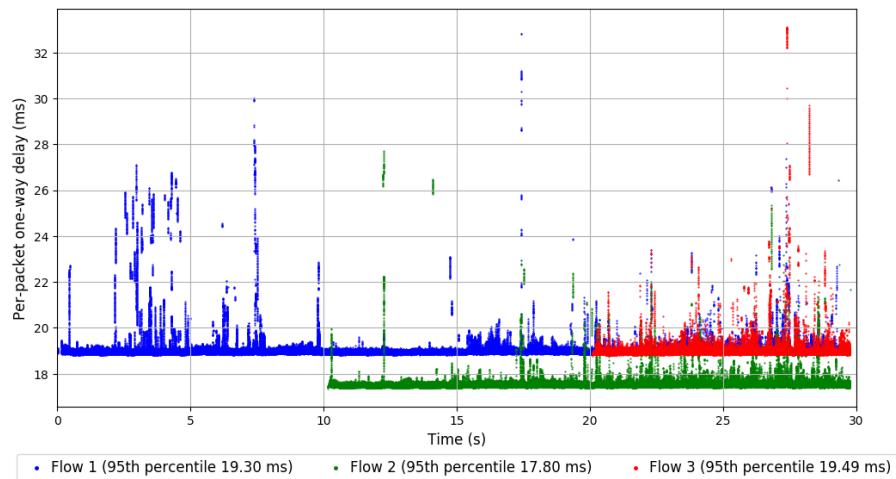
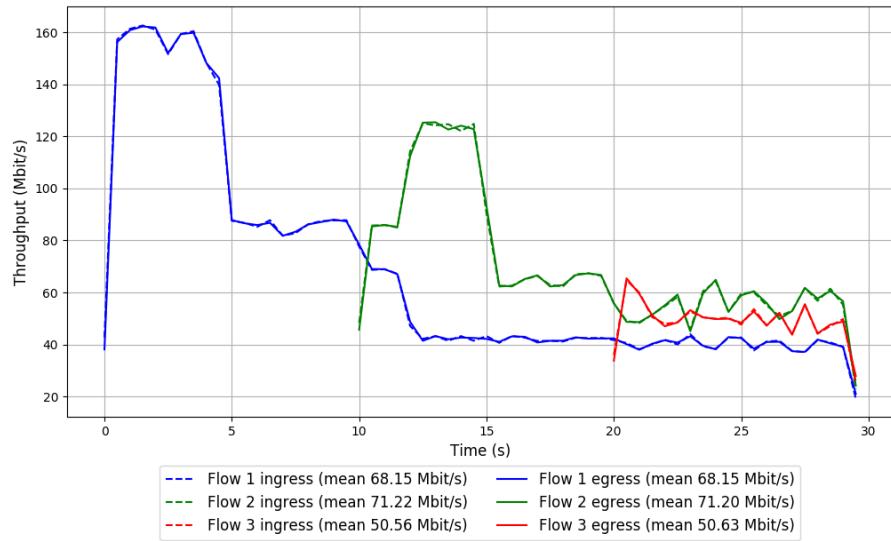


Run 10: Statistics of Indigo

```
Start at: 2017-09-08 04:40:37
End at: 2017-09-08 04:41:07
Local clock offset: -0.007 ms
Remote clock offset: -1.493 ms

# Below is generated by plot.py at 2017-09-08 08:09:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 131.45 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 19.295 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 17.799 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 19.490 ms
Loss rate: 0.01%
```

Run 10: Report of Indigo — Data Link

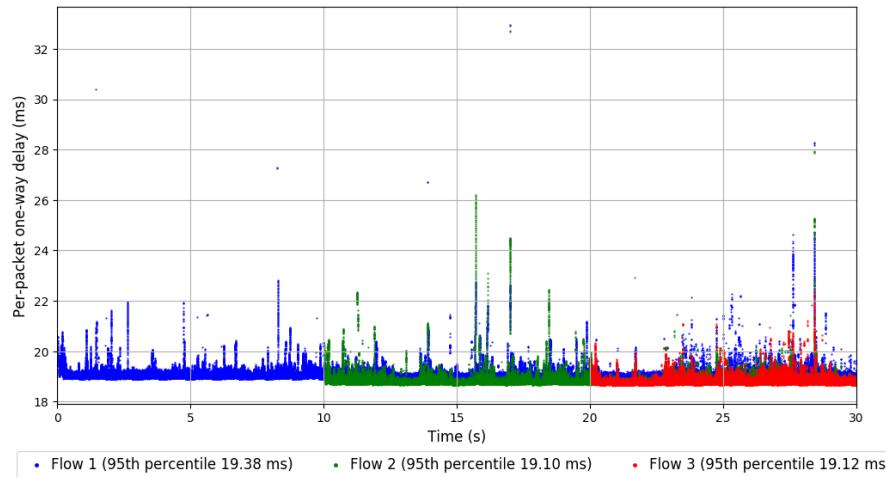
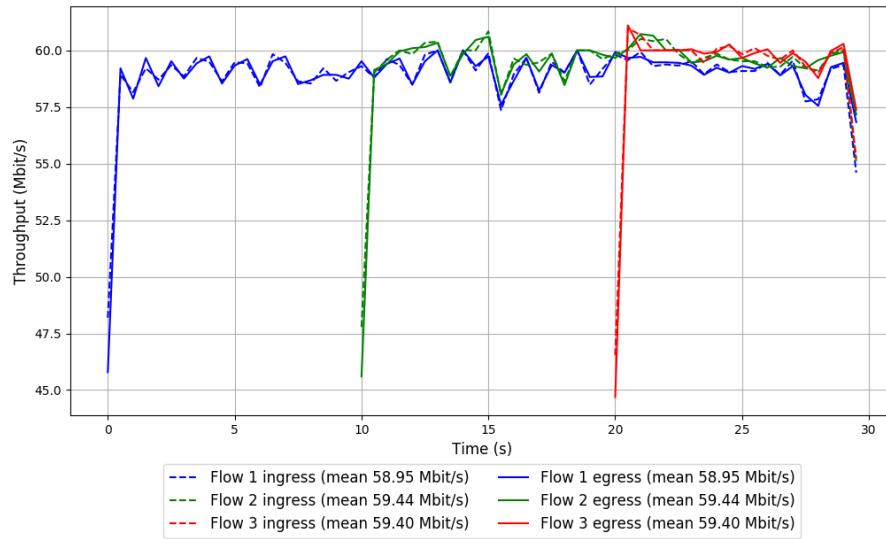


Run 1: Statistics of KohoCC

```
Start at: 2017-09-08 01:29:12
End at: 2017-09-08 01:29:42
Local clock offset: 0.893 ms
Remote clock offset: -1.386 ms

# Below is generated by plot.py at 2017-09-08 08:09:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.23 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.00%
```

Run 1: Report of KohoCC — Data Link

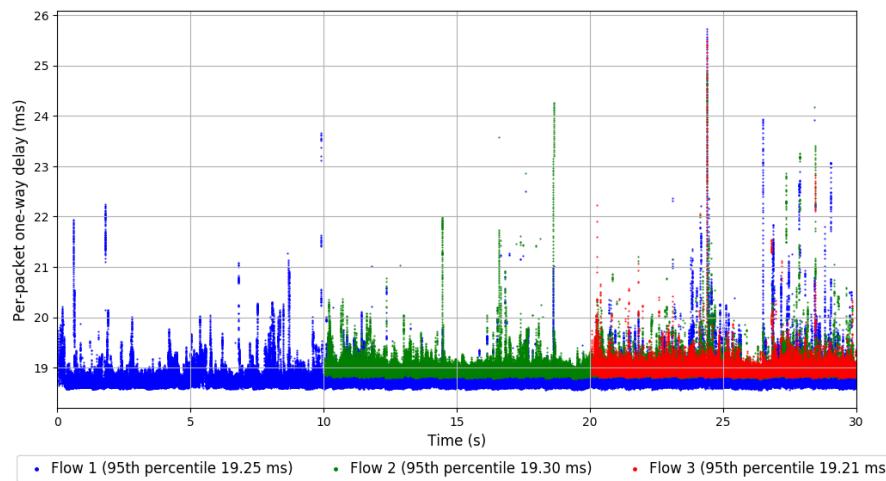
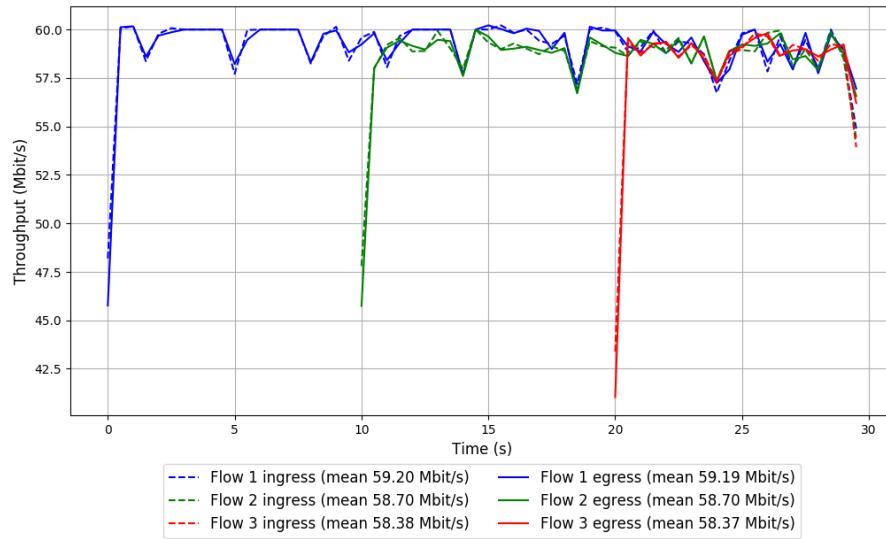


Run 2: Statistics of KohoCC

```
Start at: 2017-09-08 01:49:51
End at: 2017-09-08 01:50:21
Local clock offset: 0.851 ms
Remote clock offset: -1.47 ms

# Below is generated by plot.py at 2017-09-08 08:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.62 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.01%
```

Run 2: Report of KohoCC — Data Link

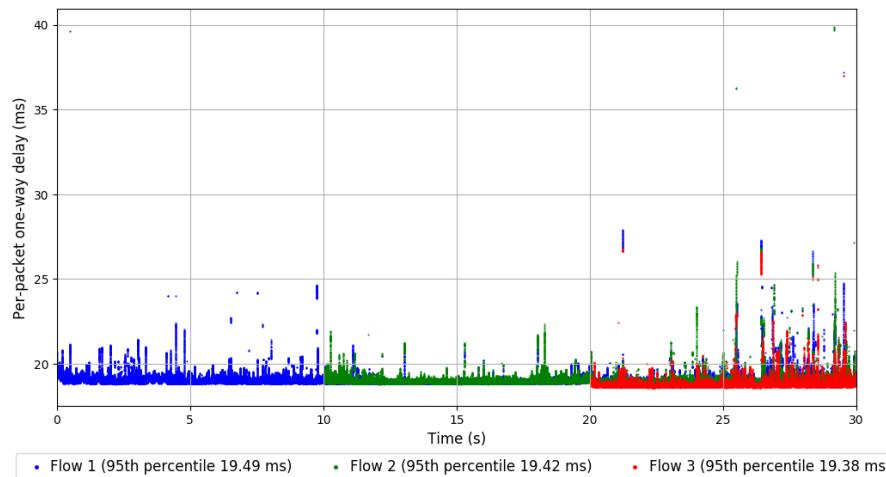
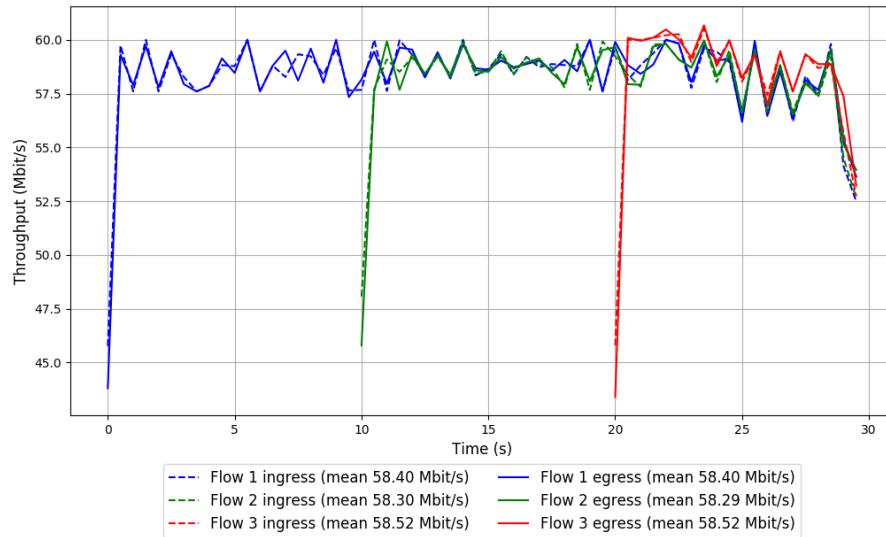


Run 3: Statistics of KohoCC

```
Start at: 2017-09-08 02:10:52
End at: 2017-09-08 02:11:22
Local clock offset: 0.749 ms
Remote clock offset: -1.527 ms

# Below is generated by plot.py at 2017-09-08 08:10:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.62 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 19.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.00%
```

Run 3: Report of KohoCC — Data Link

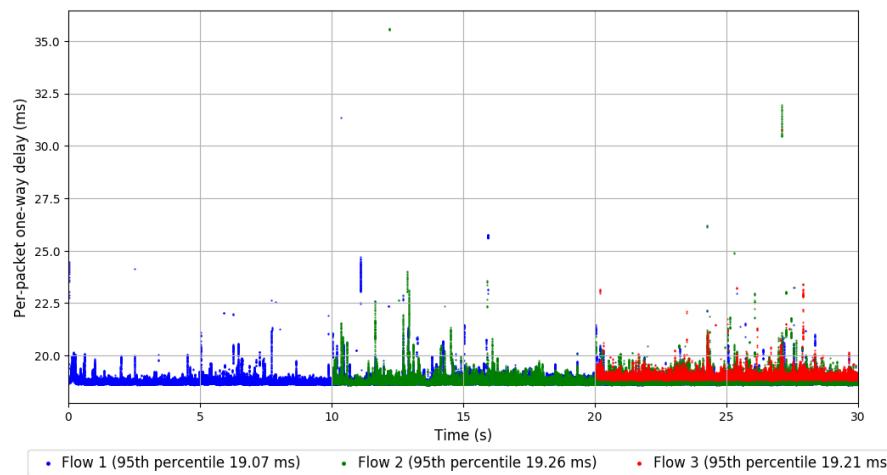
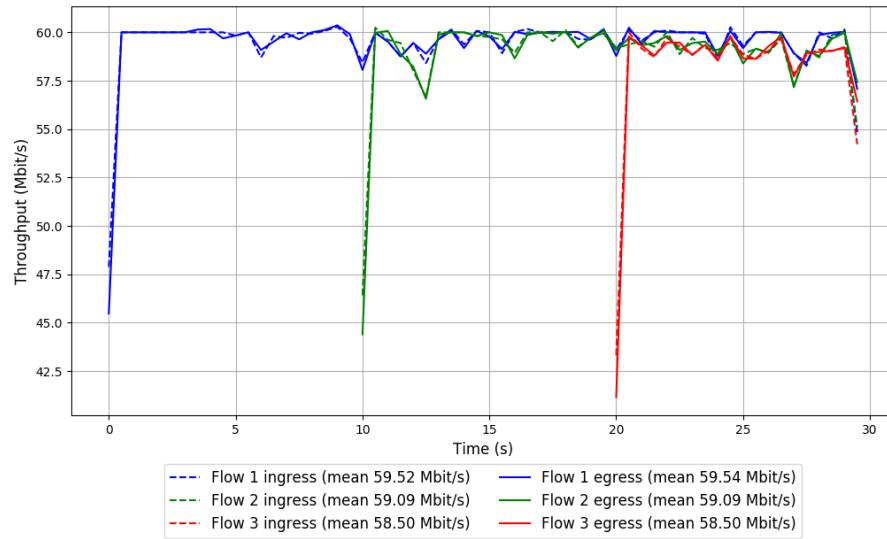


Run 4: Statistics of KohoCC

```
Start at: 2017-09-08 02:31:45
End at: 2017-09-08 02:32:15
Local clock offset: 0.6 ms
Remote clock offset: -2.036 ms

# Below is generated by plot.py at 2017-09-08 08:10:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.26 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 19.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.01%
```

Run 4: Report of KohoCC — Data Link

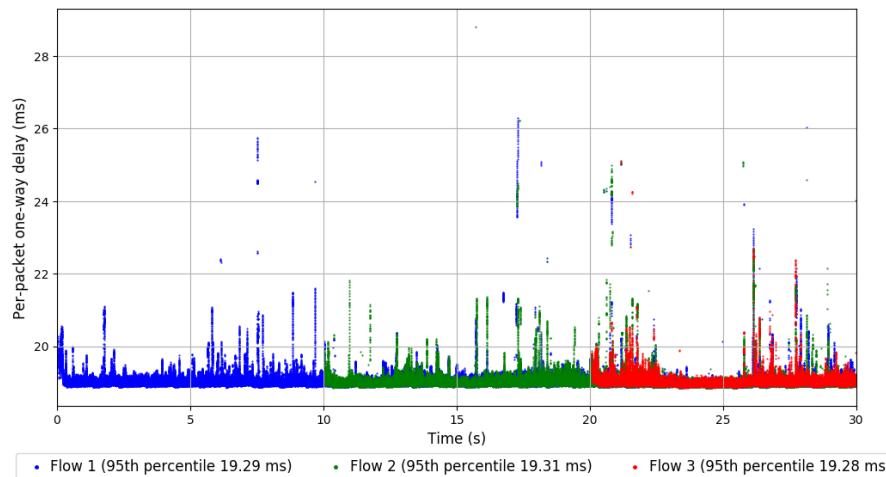
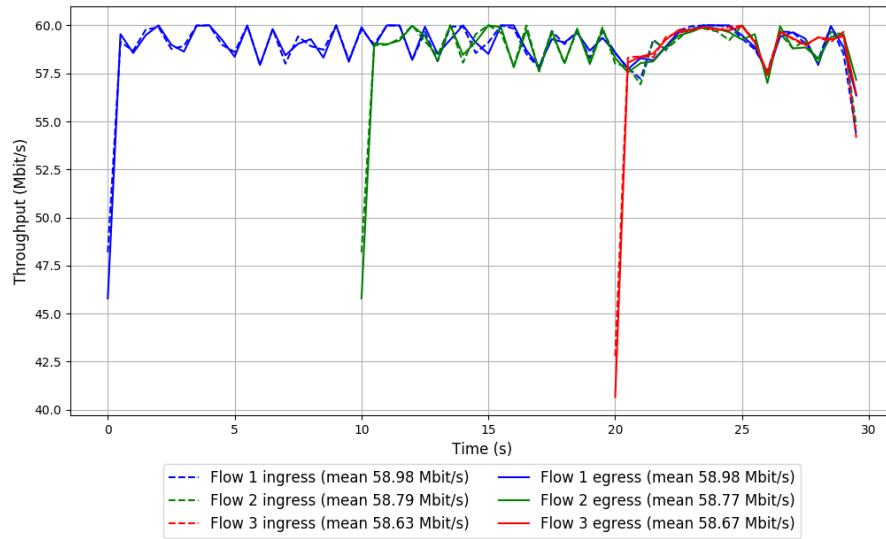


Run 5: Statistics of KohoCC

```
Start at: 2017-09-08 02:52:54
End at: 2017-09-08 02:53:24
Local clock offset: 0.487 ms
Remote clock offset: -1.833 ms

# Below is generated by plot.py at 2017-09-08 08:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.50 Mbit/s
95th percentile per-packet one-way delay: 19.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 19.289 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 19.278 ms
Loss rate: 0.00%
```

Run 5: Report of KohoCC — Data Link

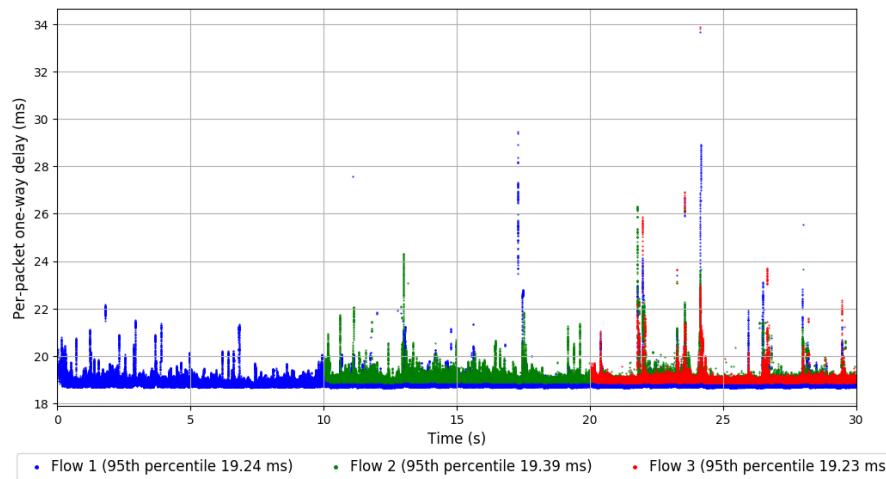
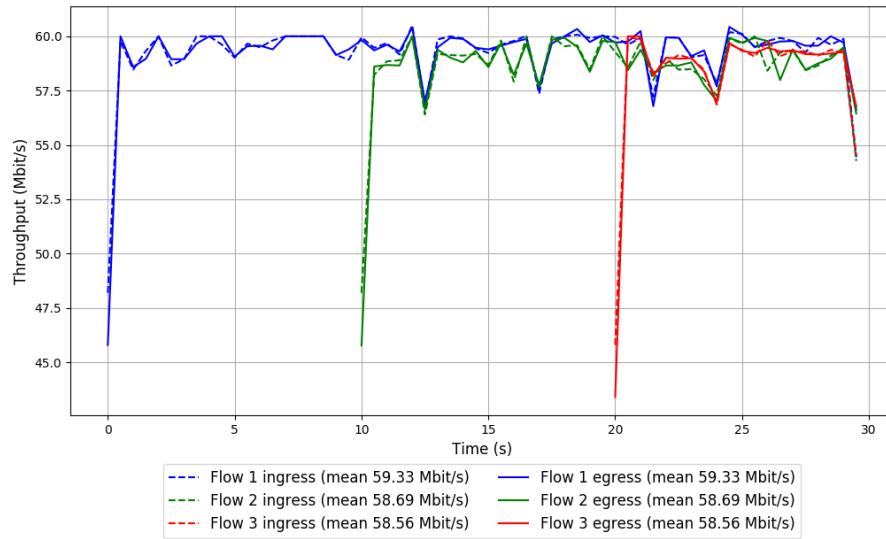


Run 6: Statistics of KohoCC

```
Start at: 2017-09-08 03:13:47
End at: 2017-09-08 03:14:17
Local clock offset: 0.494 ms
Remote clock offset: -1.738 ms

# Below is generated by plot.py at 2017-09-08 08:10:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.84 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 19.240 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 19.388 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
```

Run 6: Report of KohoCC — Data Link

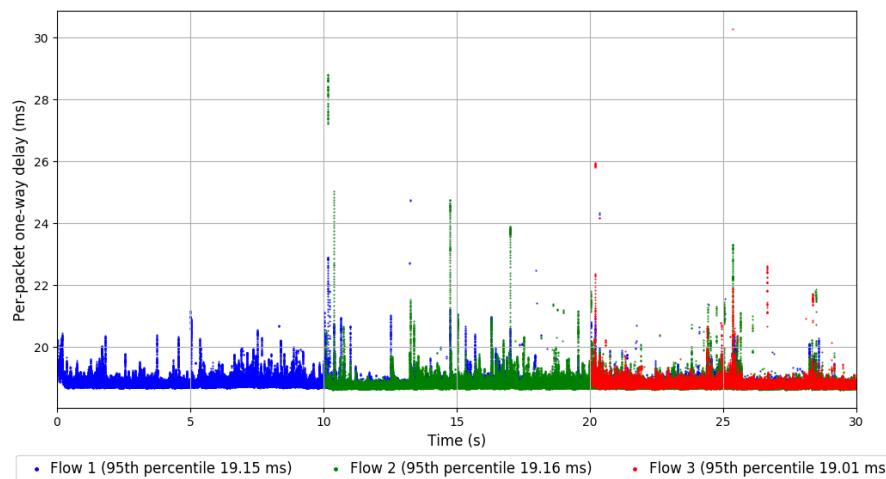
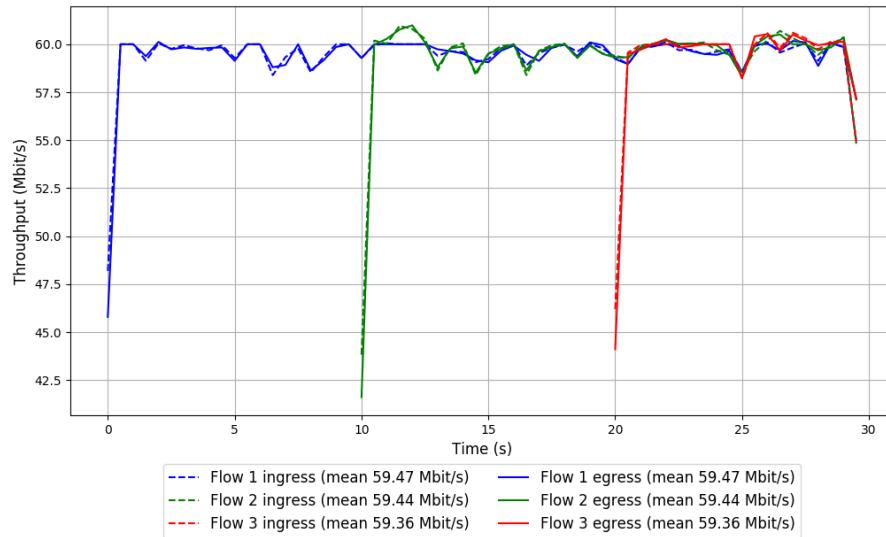


Run 7: Statistics of KohoCC

```
Start at: 2017-09-08 03:34:54
End at: 2017-09-08 03:35:24
Local clock offset: 0.39 ms
Remote clock offset: -1.376 ms

# Below is generated by plot.py at 2017-09-08 08:10:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.75 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 19.012 ms
Loss rate: 0.00%
```

Run 7: Report of KohoCC — Data Link

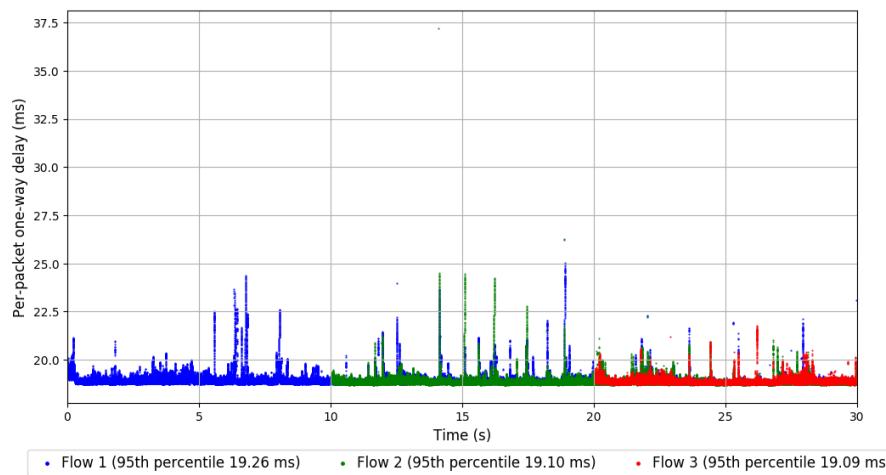
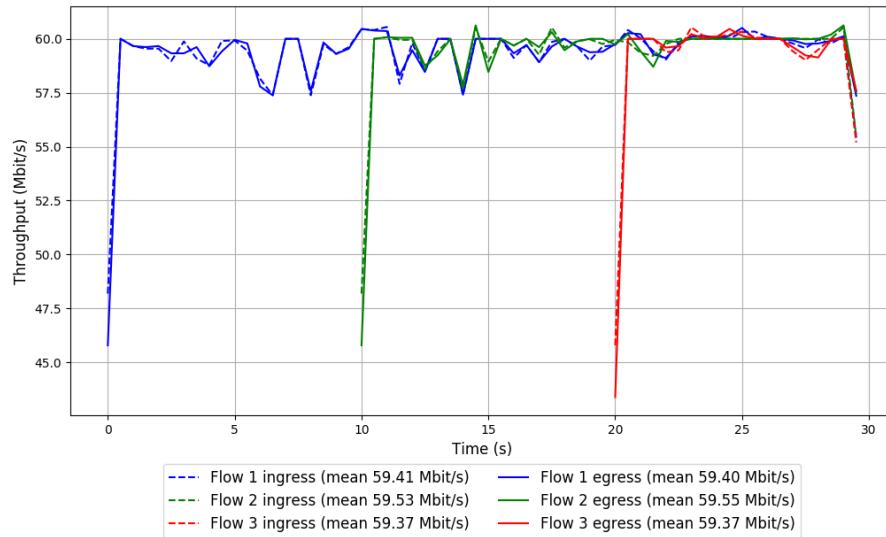


Run 8: Statistics of KohoCC

```
Start at: 2017-09-08 03:55:58
End at: 2017-09-08 03:56:28
Local clock offset: 0.141 ms
Remote clock offset: -1.812 ms

# Below is generated by plot.py at 2017-09-08 08:10:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.73 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%
```

Run 8: Report of KohoCC — Data Link

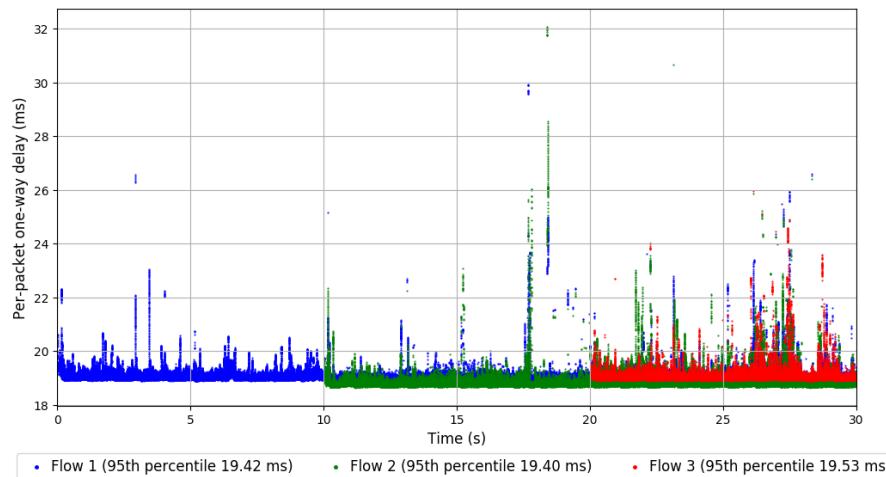
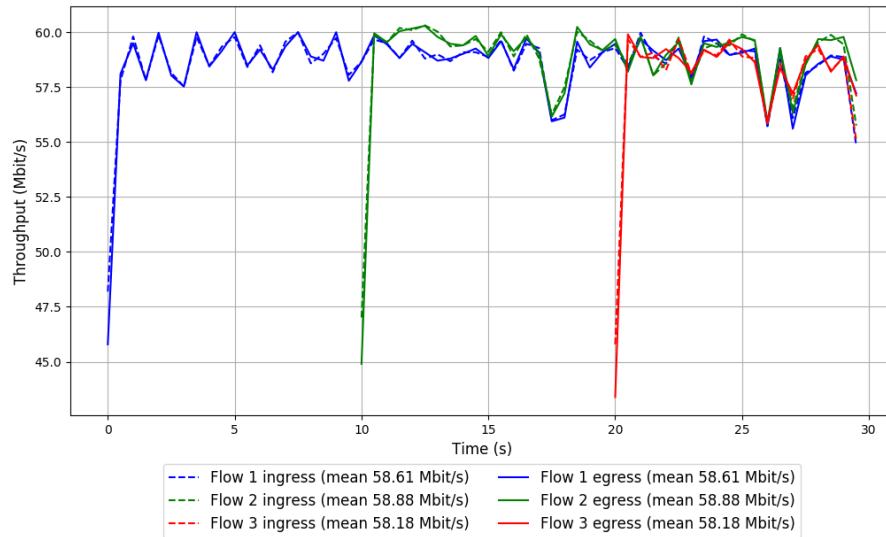


Run 9: Statistics of KohoCC

```
Start at: 2017-09-08 04:16:47
End at: 2017-09-08 04:17:17
Local clock offset: 0.063 ms
Remote clock offset: -1.7 ms

# Below is generated by plot.py at 2017-09-08 08:10:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.12 Mbit/s
95th percentile per-packet one-way delay: 19.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.00%
```

Run 9: Report of KohoCC — Data Link

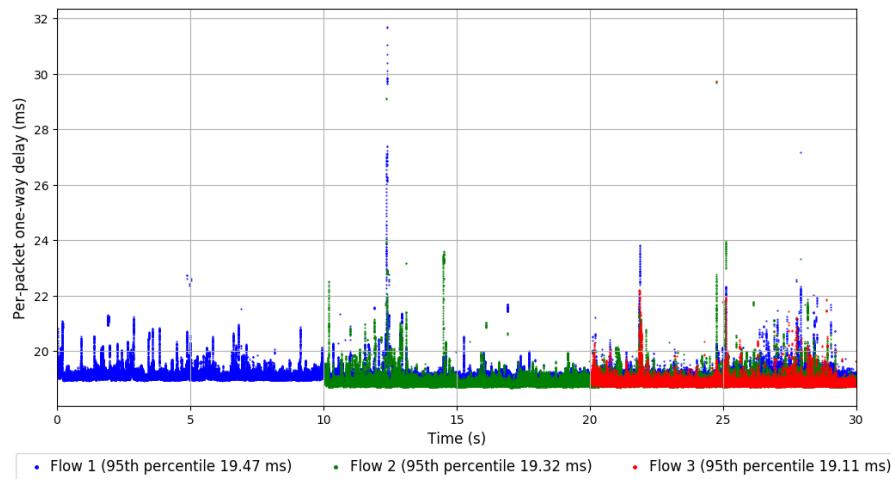
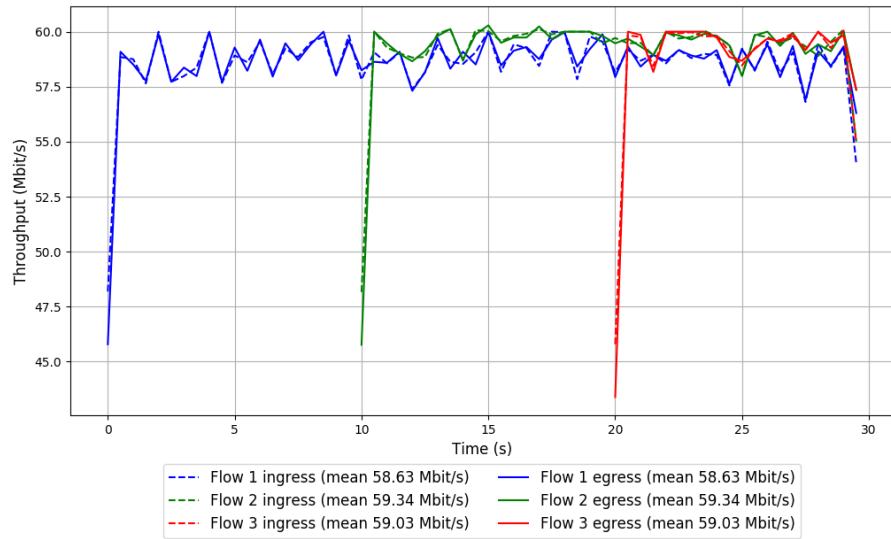


Run 10: Statistics of KohoCC

```
Start at: 2017-09-08 04:37:55
End at: 2017-09-08 04:38:25
Local clock offset: 0.035 ms
Remote clock offset: -1.599 ms

# Below is generated by plot.py at 2017-09-08 08:11:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.73 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 19.466 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 19.316 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%
```

Run 10: Report of KohoCC — Data Link

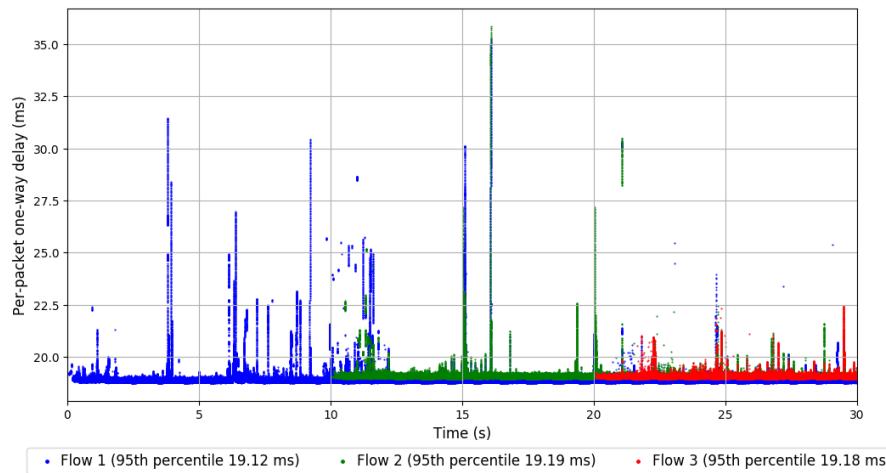
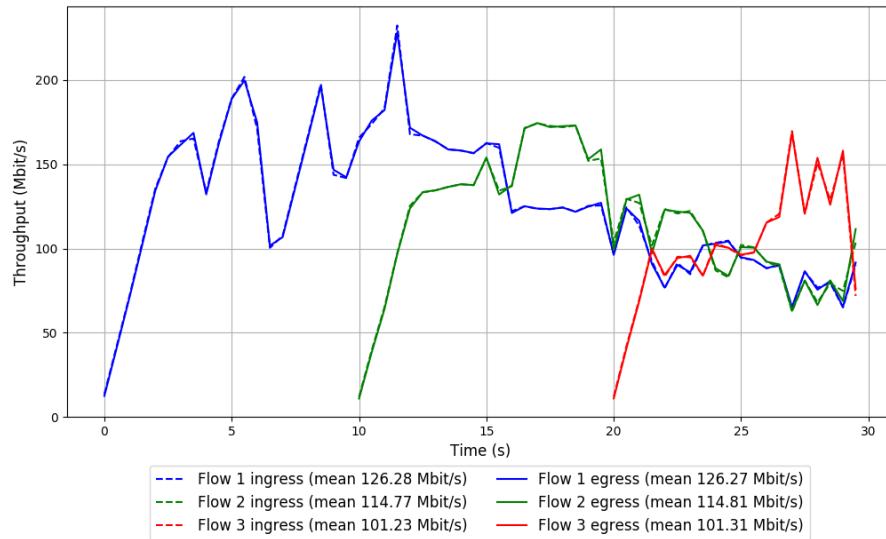


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-08 01:37:19
End at: 2017-09-08 01:37:49
Local clock offset: 0.754 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-09-08 08:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.21 Mbit/s
95th percentile per-packet one-way delay: 19.180 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 126.27 Mbit/s
95th percentile per-packet one-way delay: 19.122 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 114.81 Mbit/s
95th percentile per-packet one-way delay: 19.194 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 101.31 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

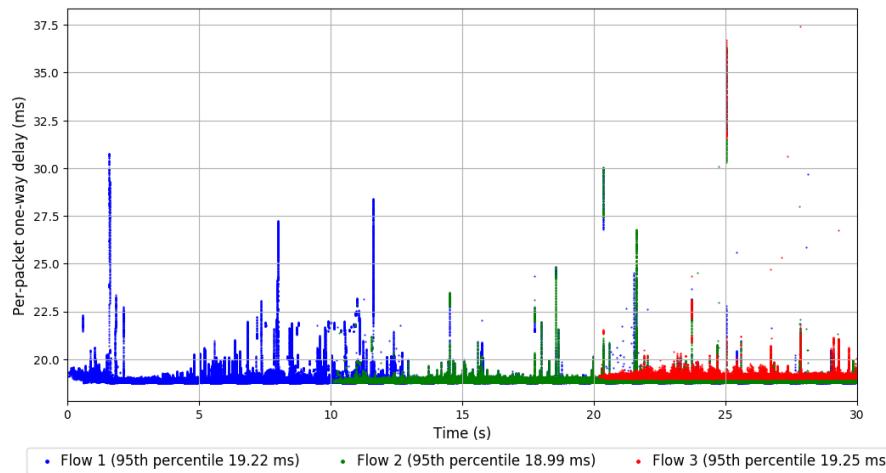
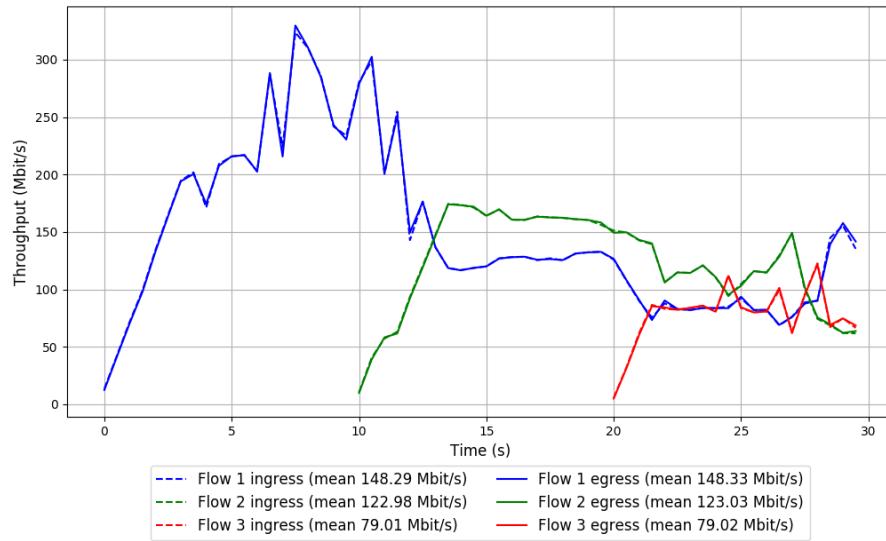


Run 2: Statistics of LEDBAT

```
Start at: 2017-09-08 01:57:52
End at: 2017-09-08 01:58:22
Local clock offset: 0.683 ms
Remote clock offset: -1.351 ms

# Below is generated by plot.py at 2017-09-08 08:11:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.91 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.33 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.03 Mbit/s
95th percentile per-packet one-way delay: 18.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

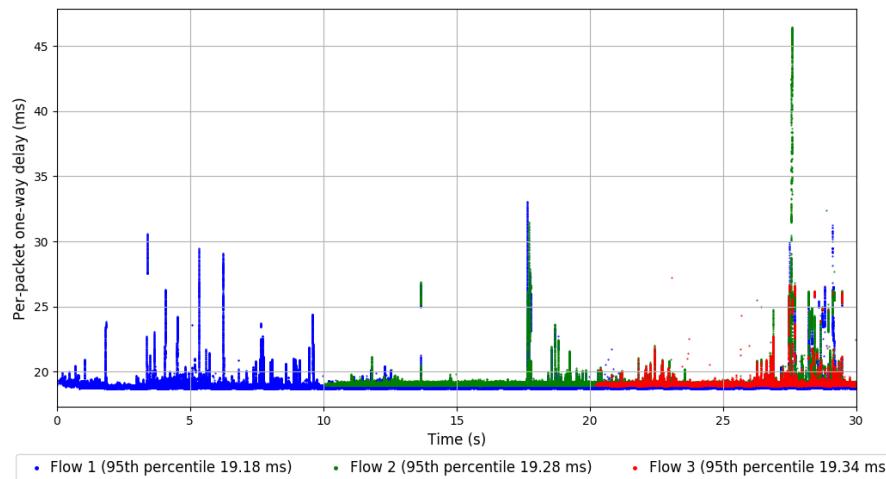
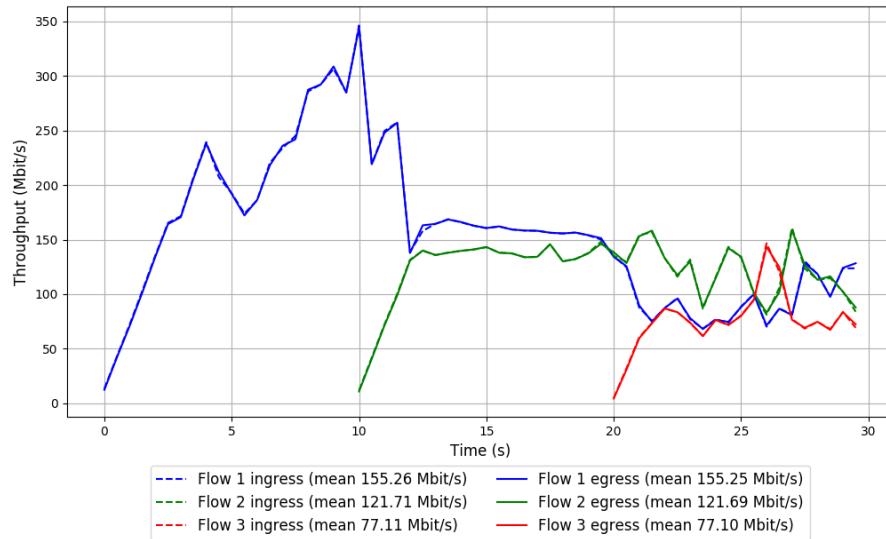


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-08 02:18:56
End at: 2017-09-08 02:19:26
Local clock offset: 0.576 ms
Remote clock offset: -1.801 ms

# Below is generated by plot.py at 2017-09-08 08:12:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 261.36 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 155.25 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 19.338 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

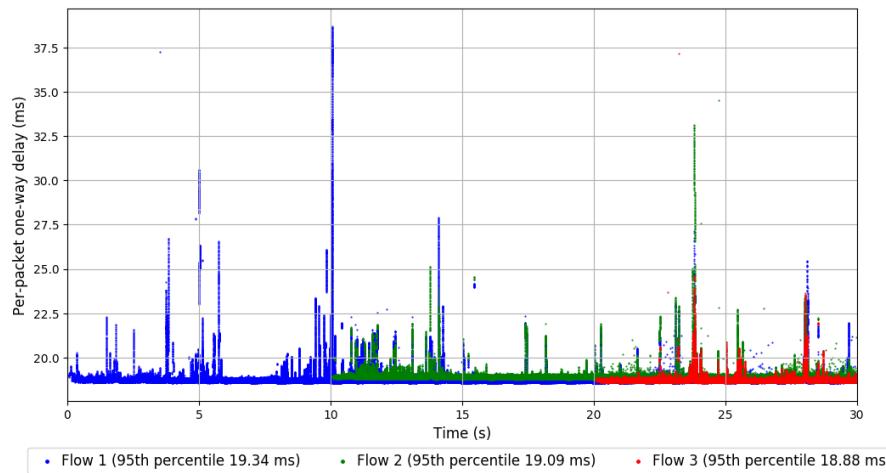
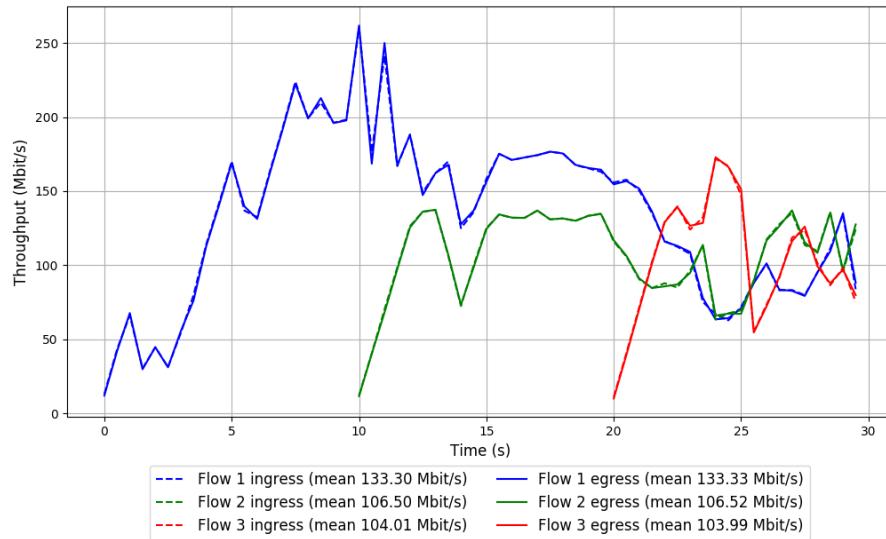


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-08 02:39:50
End at: 2017-09-08 02:40:20
Local clock offset: 0.616 ms
Remote clock offset: -1.969 ms

# Below is generated by plot.py at 2017-09-08 08:12:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.60 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 133.33 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 106.52 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.99 Mbit/s
95th percentile per-packet one-way delay: 18.882 ms
Loss rate: 0.02%
```

Run 4: Report of LEDBAT — Data Link

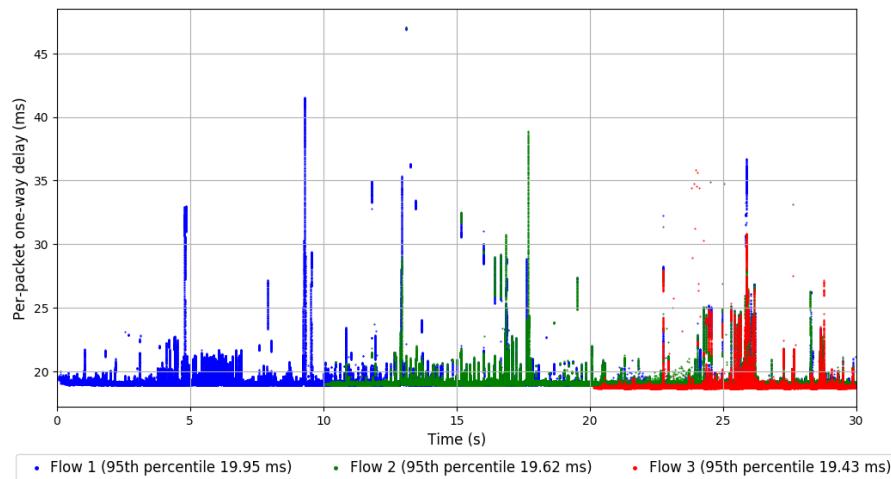
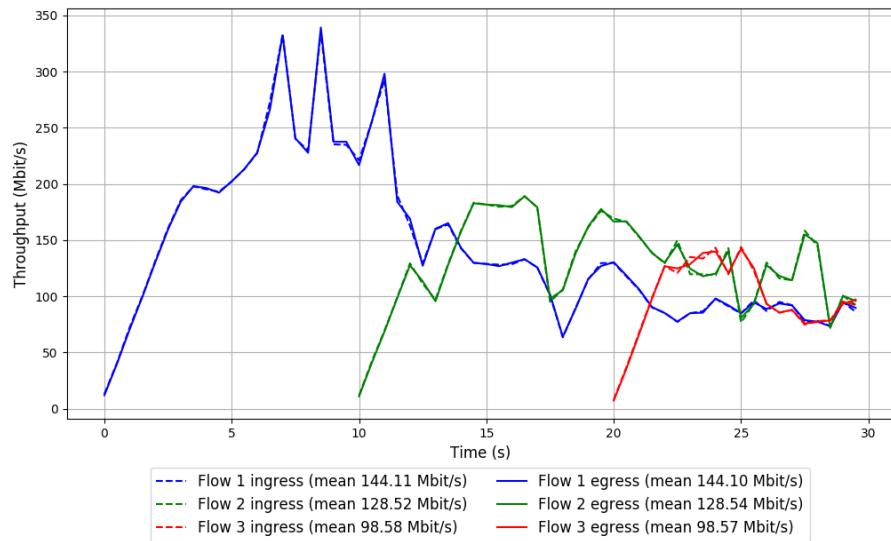


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-08 03:00:57
End at: 2017-09-08 03:01:27
Local clock offset: 0.444 ms
Remote clock offset: -1.759 ms

# Below is generated by plot.py at 2017-09-08 08:12:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 262.02 Mbit/s
95th percentile per-packet one-way delay: 19.803 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 144.10 Mbit/s
95th percentile per-packet one-way delay: 19.948 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 128.54 Mbit/s
95th percentile per-packet one-way delay: 19.622 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 98.57 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

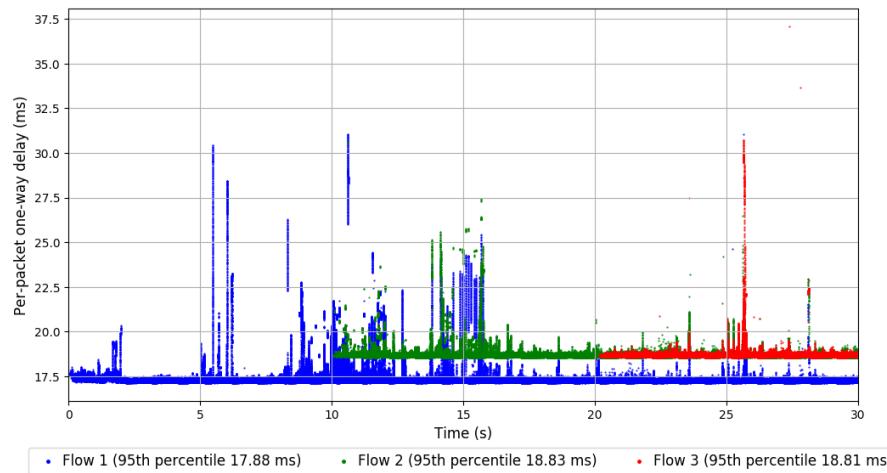
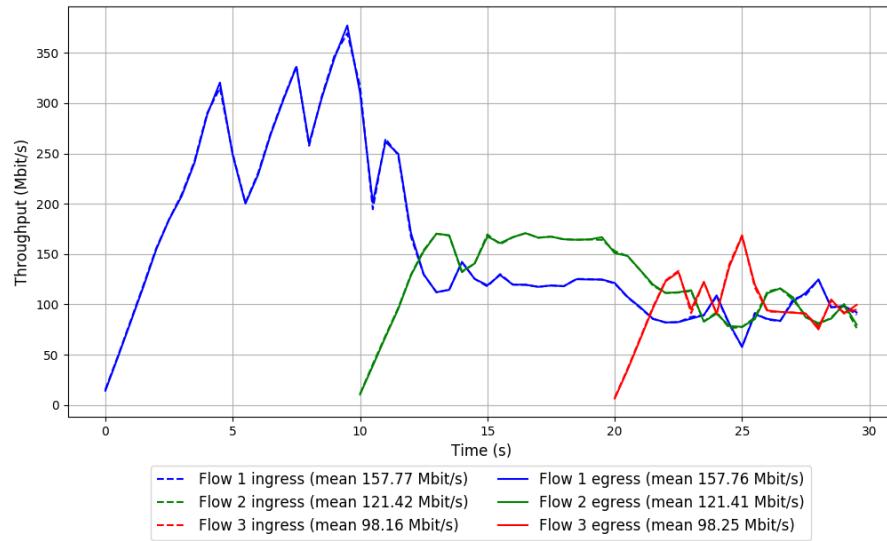


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-08 03:21:51
End at: 2017-09-08 03:22:21
Local clock offset: 0.442 ms
Remote clock offset: -1.722 ms

# Below is generated by plot.py at 2017-09-08 08:12:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.73 Mbit/s
95th percentile per-packet one-way delay: 18.760 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 157.76 Mbit/s
95th percentile per-packet one-way delay: 17.876 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.41 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 98.25 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

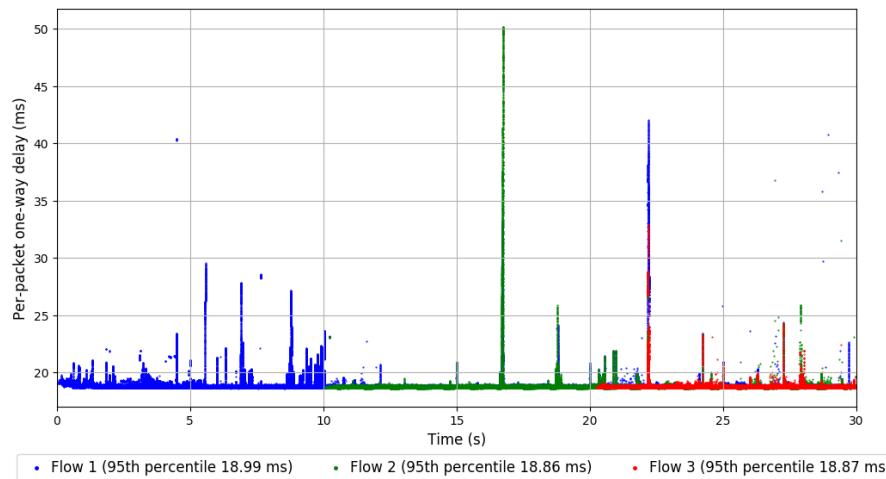
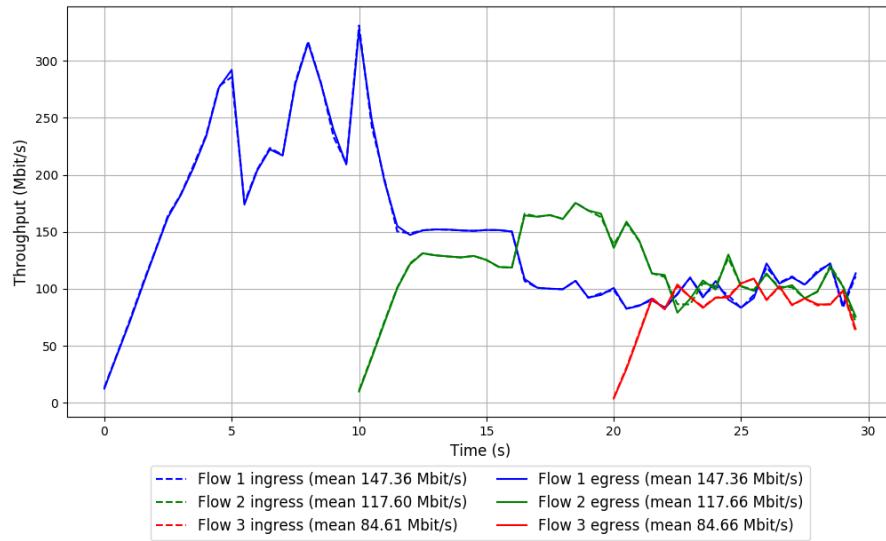


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-08 03:42:58
End at: 2017-09-08 03:43:28
Local clock offset: 0.27 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2017-09-08 08:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.11 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.36 Mbit/s
95th percentile per-packet one-way delay: 18.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.66 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 18.869 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

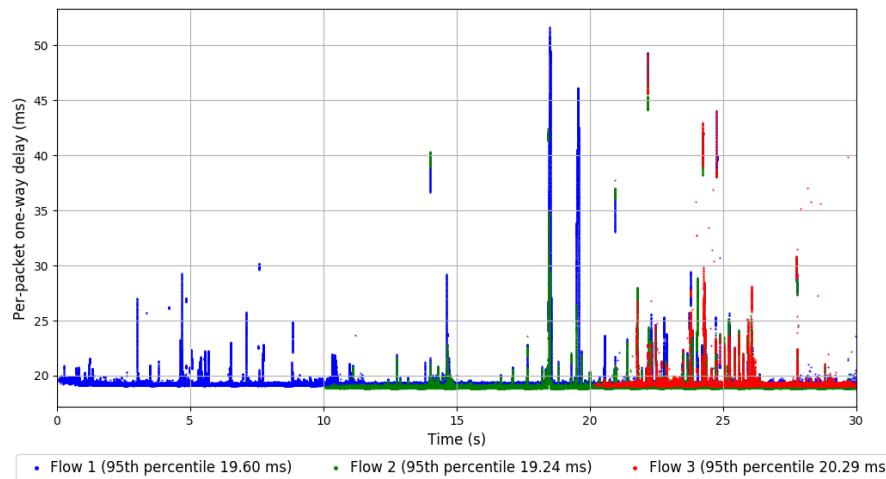
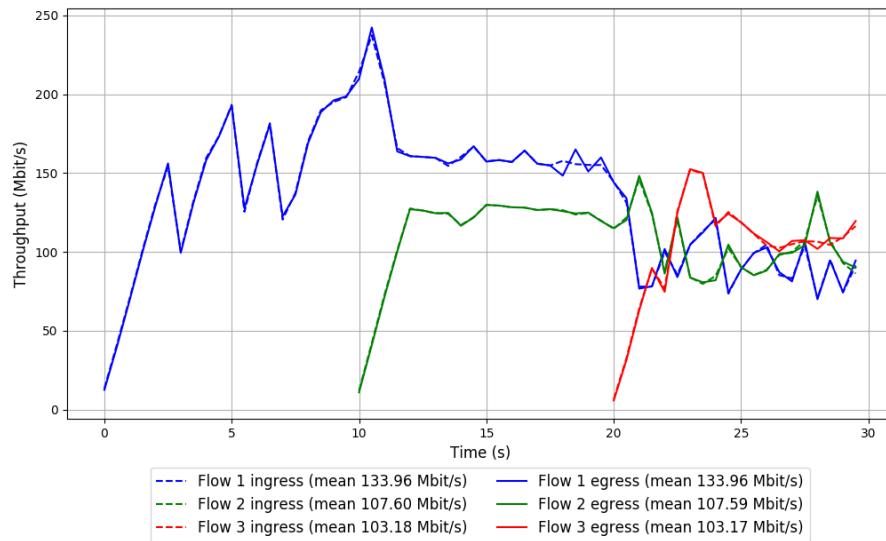


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-08 04:04:02
End at: 2017-09-08 04:04:32
Local clock offset: 0.062 ms
Remote clock offset: -1.673 ms

# Below is generated by plot.py at 2017-09-08 08:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.31 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.96 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.59 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.17 Mbit/s
95th percentile per-packet one-way delay: 20.288 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

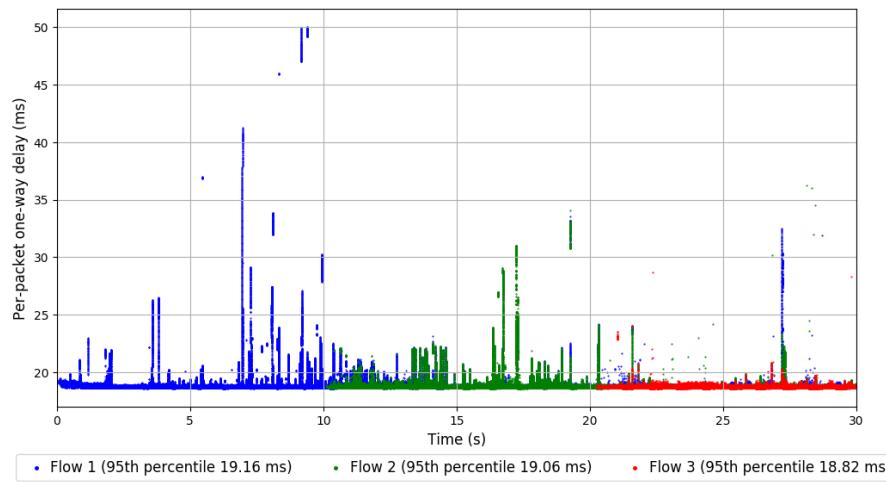
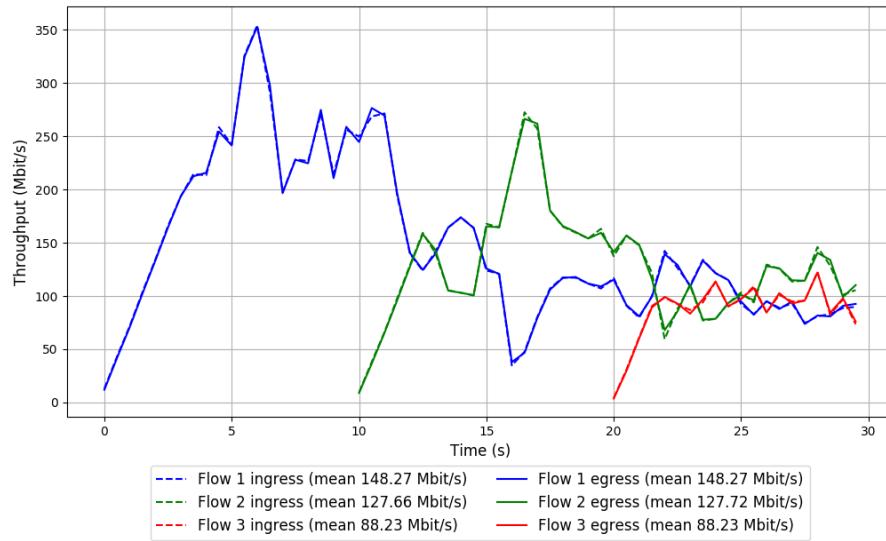


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-08 04:24:50
End at: 2017-09-08 04:25:20
Local clock offset: 0.148 ms
Remote clock offset: -1.65 ms

# Below is generated by plot.py at 2017-09-08 08:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 261.74 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.27 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.72 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 18.818 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

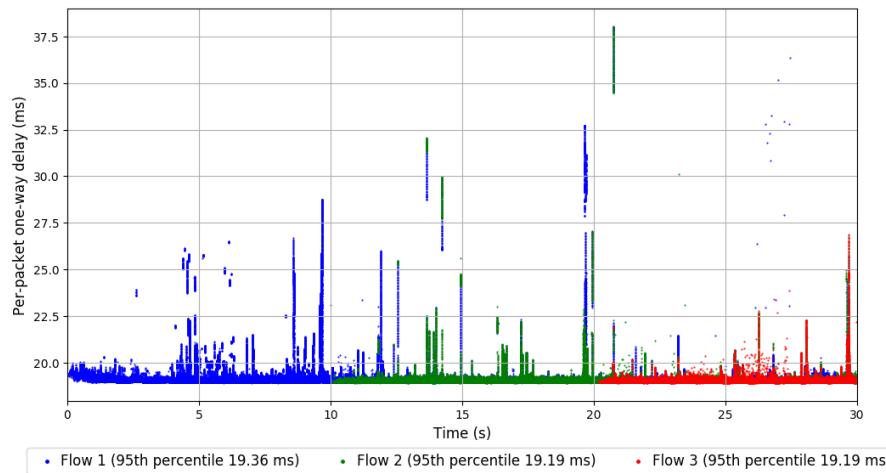
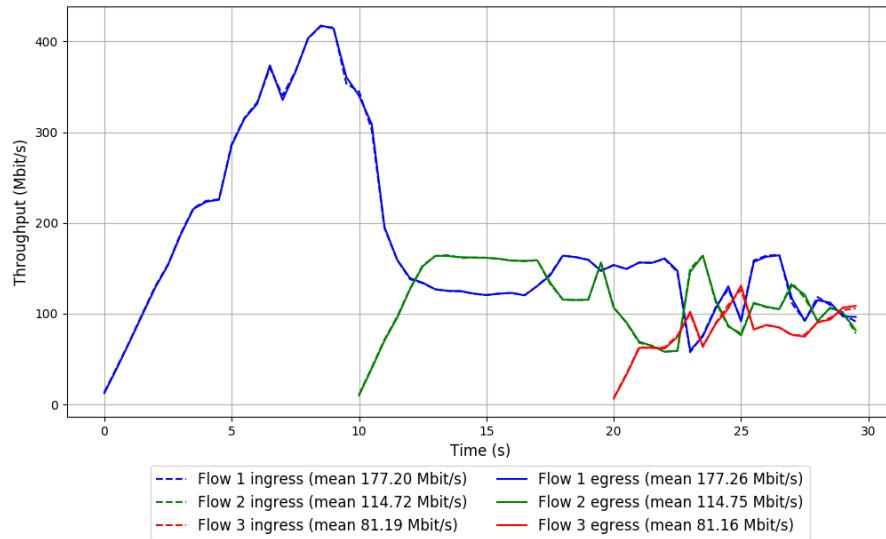


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-08 04:46:00
End at: 2017-09-08 04:46:30
Local clock offset: -0.059 ms
Remote clock offset: -1.571 ms

# Below is generated by plot.py at 2017-09-08 08:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.12 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.26 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.75 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 0.00%
```

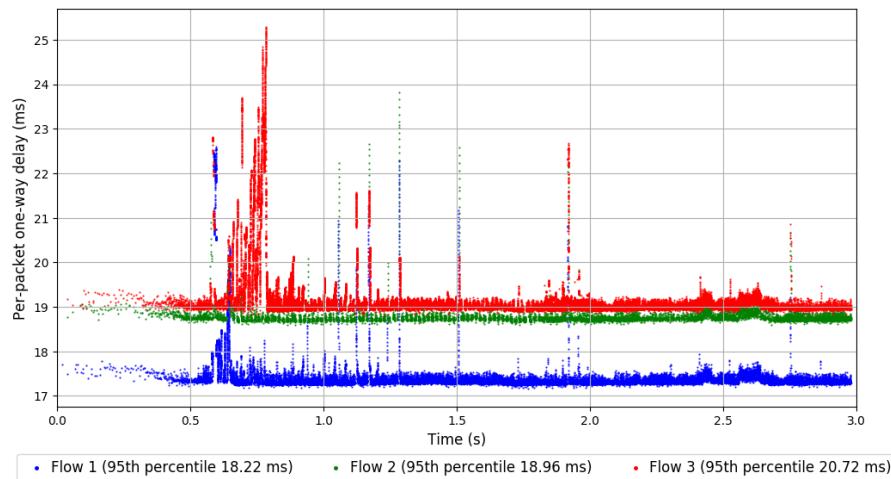
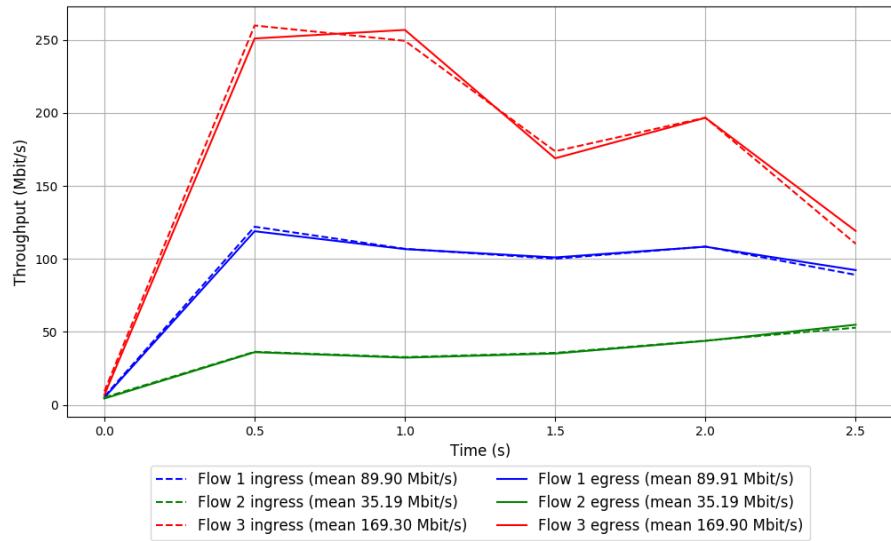
Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2017-09-08 01:38:46
End at: 2017-09-08 01:39:16
Local clock offset: 0.763 ms
Remote clock offset: -1.585 ms

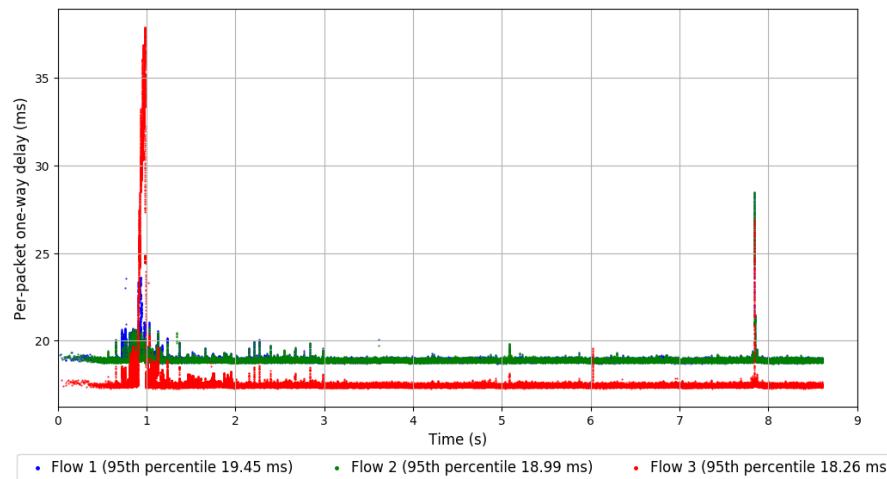
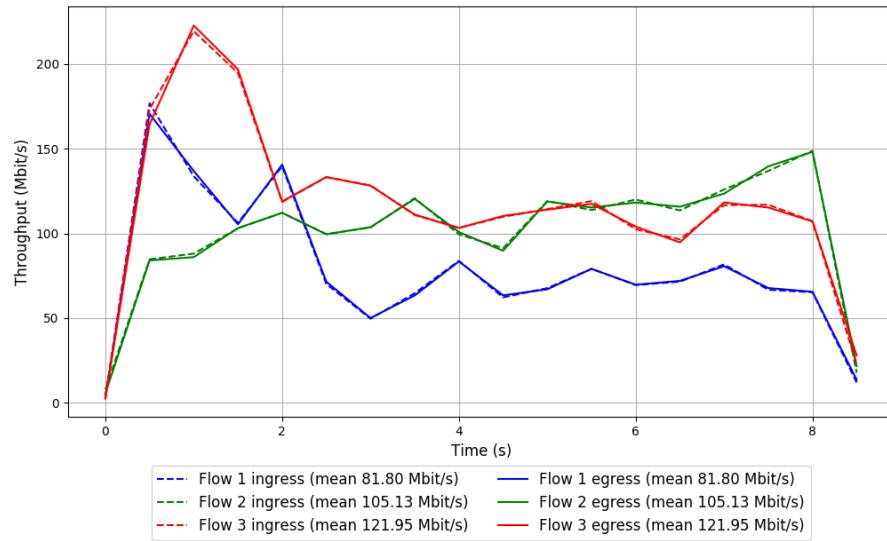
Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-08 01:59:20
End at: 2017-09-08 01:59:50
Local clock offset: 0.682 ms
Remote clock offset: -1.343 ms

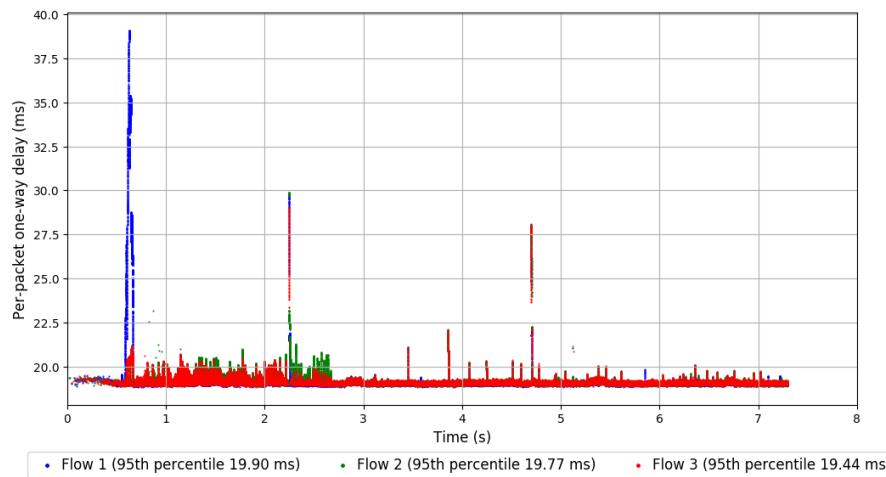
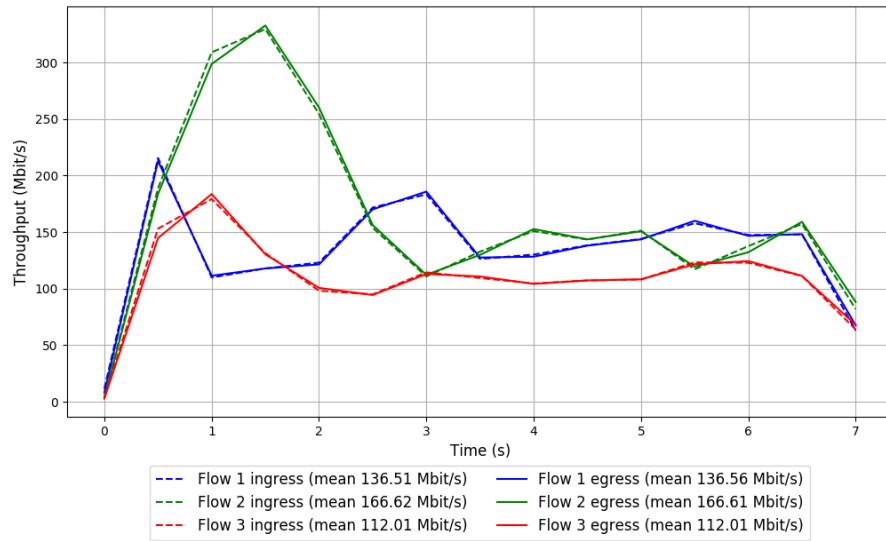
Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-08 02:20:25
End at: 2017-09-08 02:20:55
Local clock offset: 0.591 ms
Remote clock offset: -1.818 ms

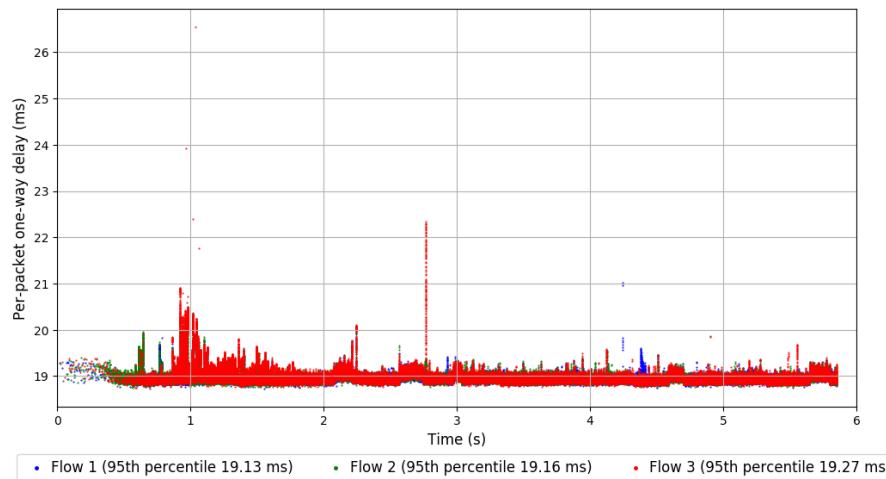
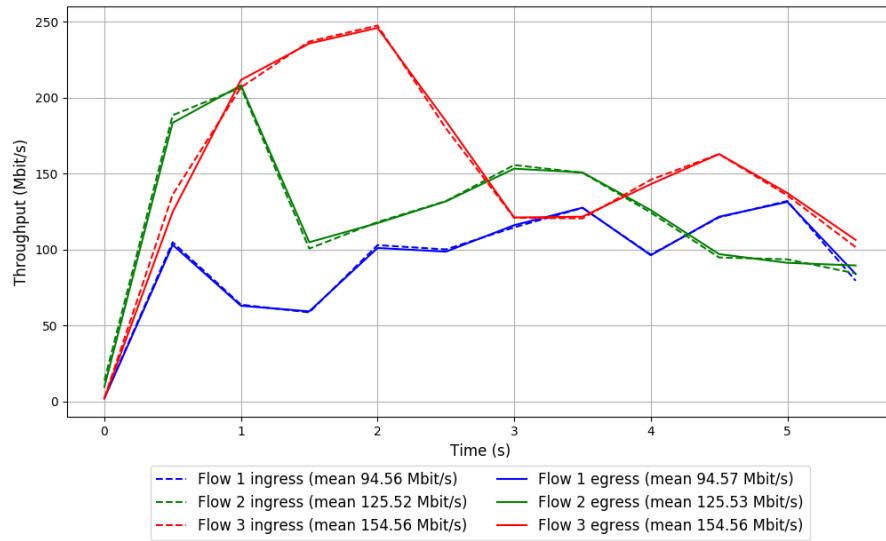
Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-08 02:41:17
End at: 2017-09-08 02:41:47
Local clock offset: 0.587 ms
Remote clock offset: -1.958 ms

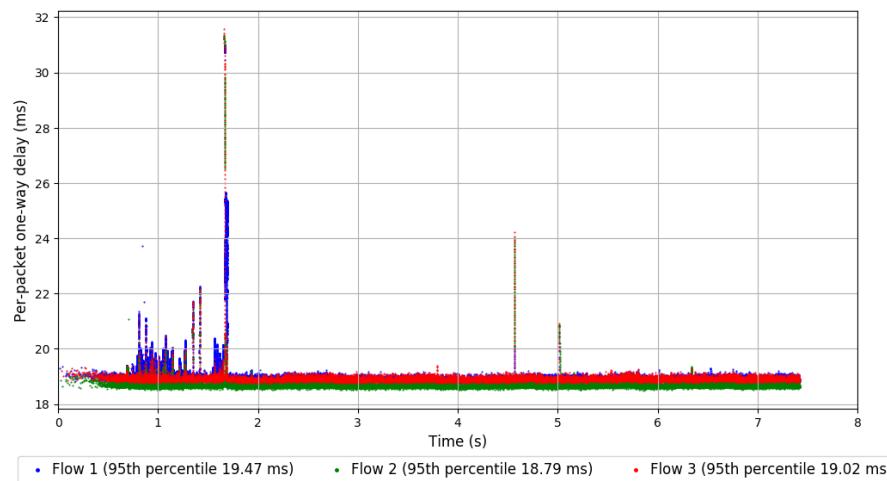
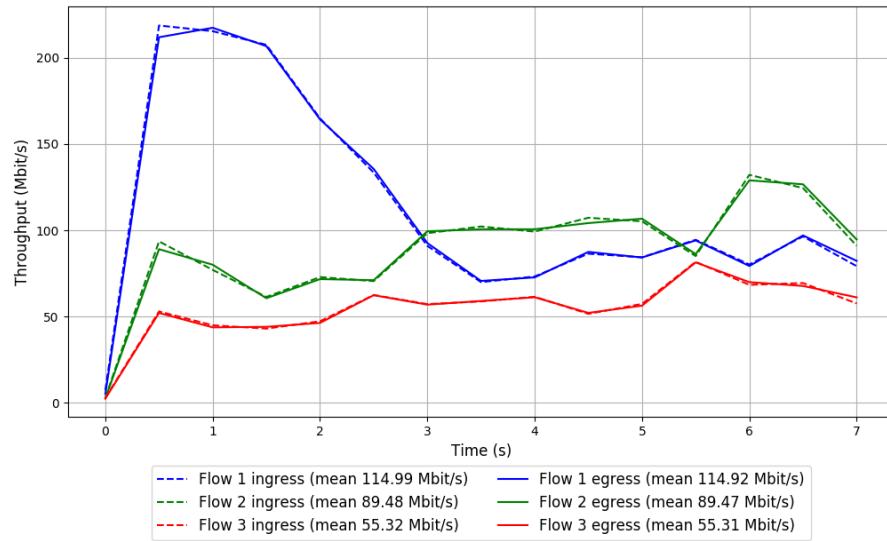
Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-08 03:02:26
End at: 2017-09-08 03:02:56
Local clock offset: 0.53 ms
Remote clock offset: -1.773 ms

Run 5: Report of PCC — Data Link

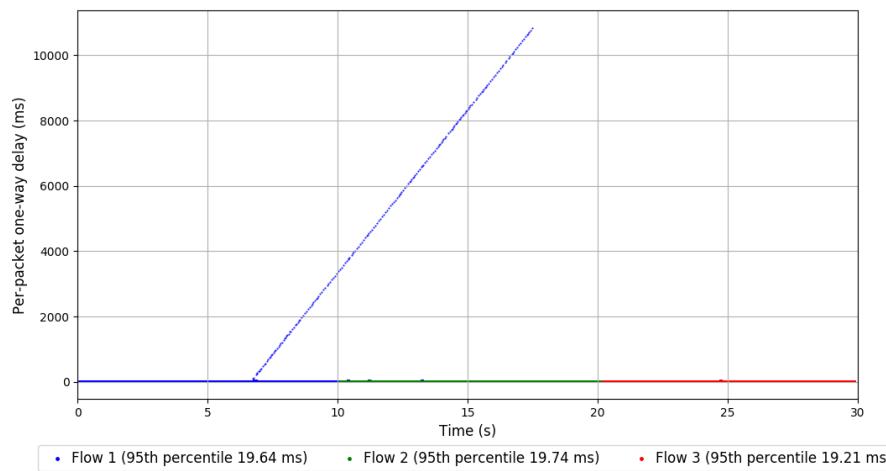
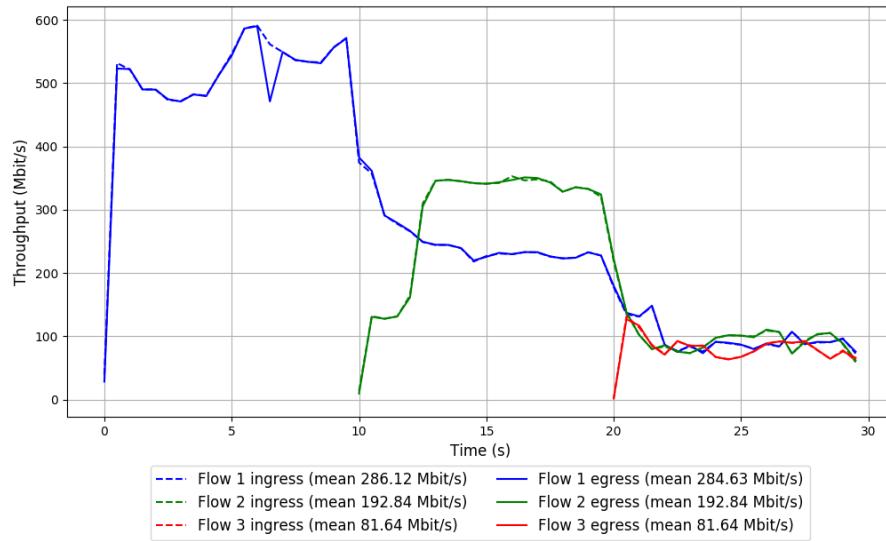


Run 6: Statistics of PCC

```
Start at: 2017-09-08 03:23:20
End at: 2017-09-08 03:23:50
Local clock offset: 0.328 ms
Remote clock offset: -1.603 ms

# Below is generated by plot.py at 2017-09-08 08:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 439.17 Mbit/s
95th percentile per-packet one-way delay: 19.620 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 284.63 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 192.84 Mbit/s
95th percentile per-packet one-way delay: 19.744 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.00%
```

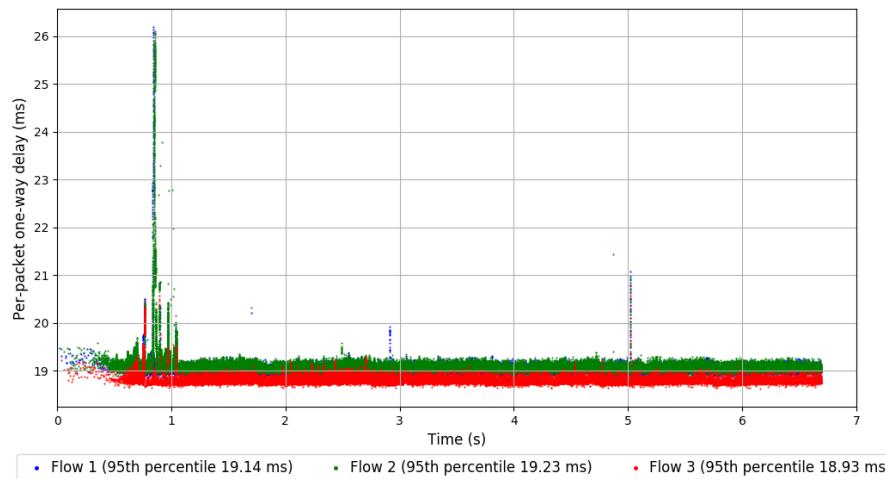
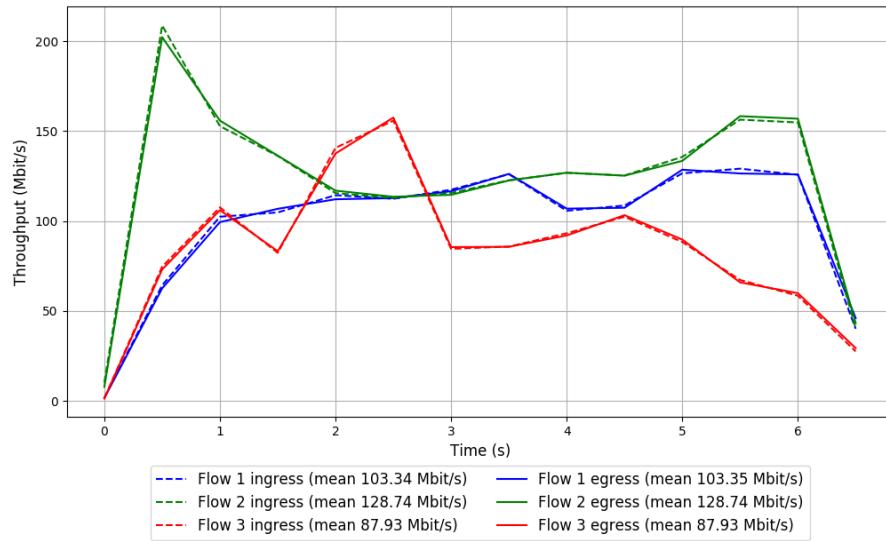
Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-08 03:44:26
End at: 2017-09-08 03:44:57
Local clock offset: 0.243 ms
Remote clock offset: -1.523 ms

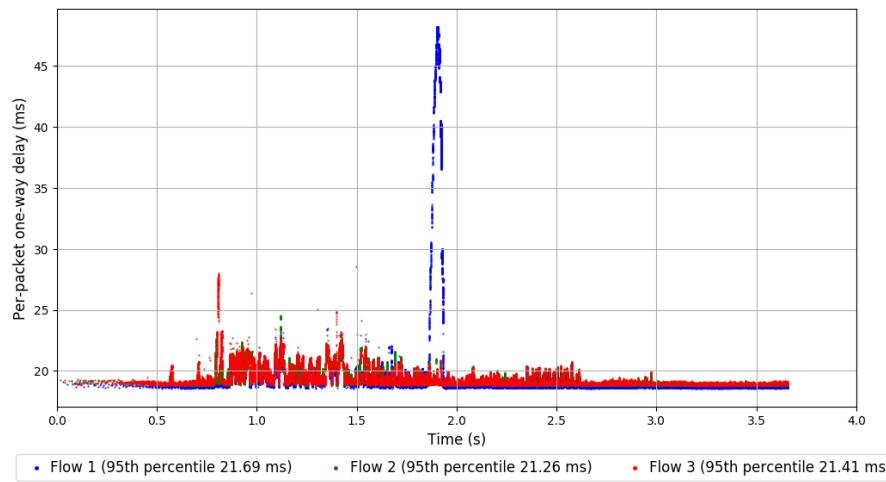
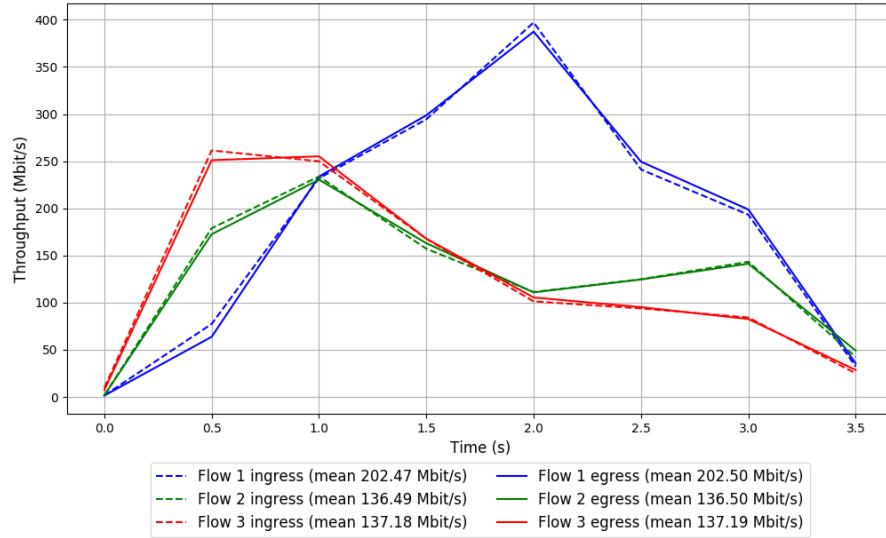
Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-08 04:05:29
End at: 2017-09-08 04:05:59
Local clock offset: 0.164 ms
Remote clock offset: -1.734 ms

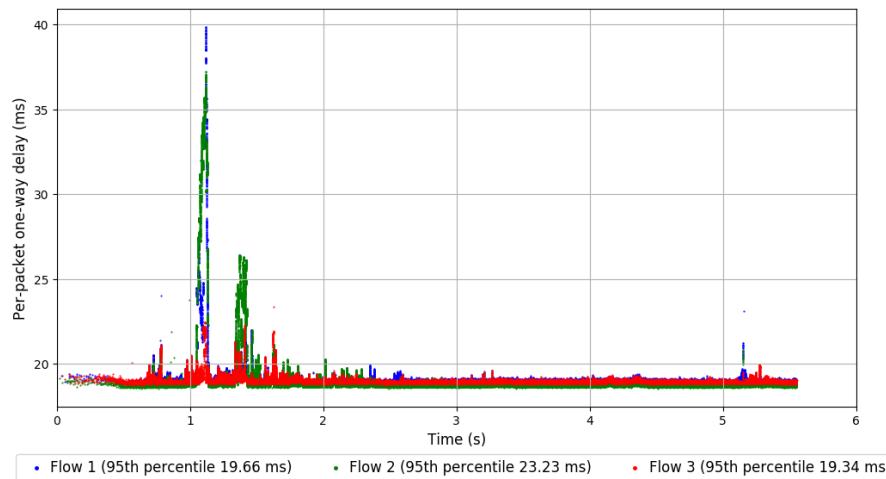
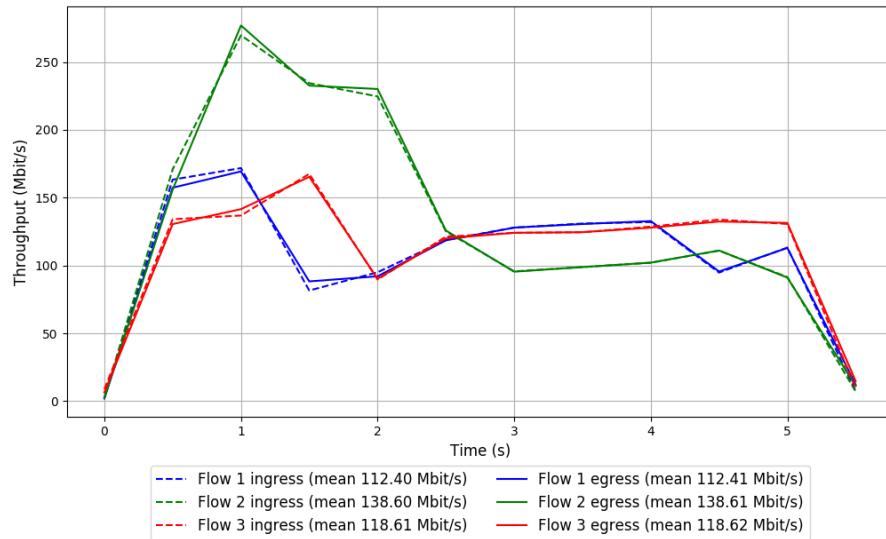
Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-08 04:26:18
End at: 2017-09-08 04:26:48
Local clock offset: 0.113 ms
Remote clock offset: -1.648 ms

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

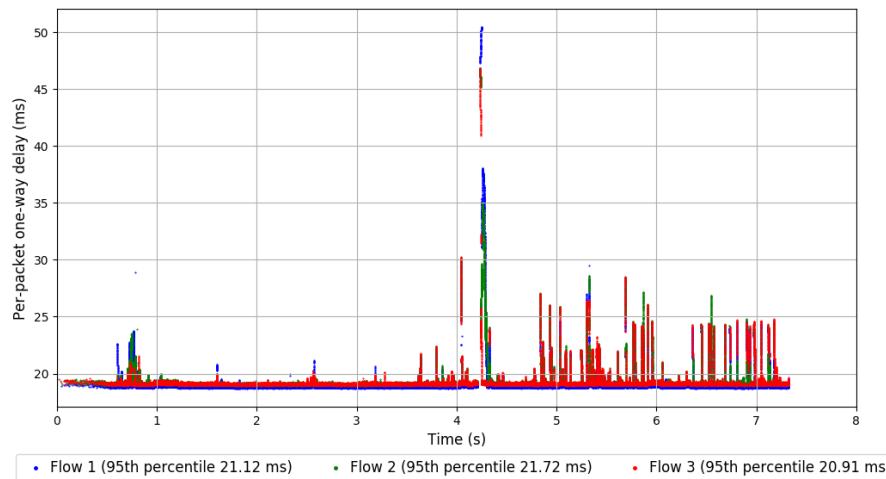
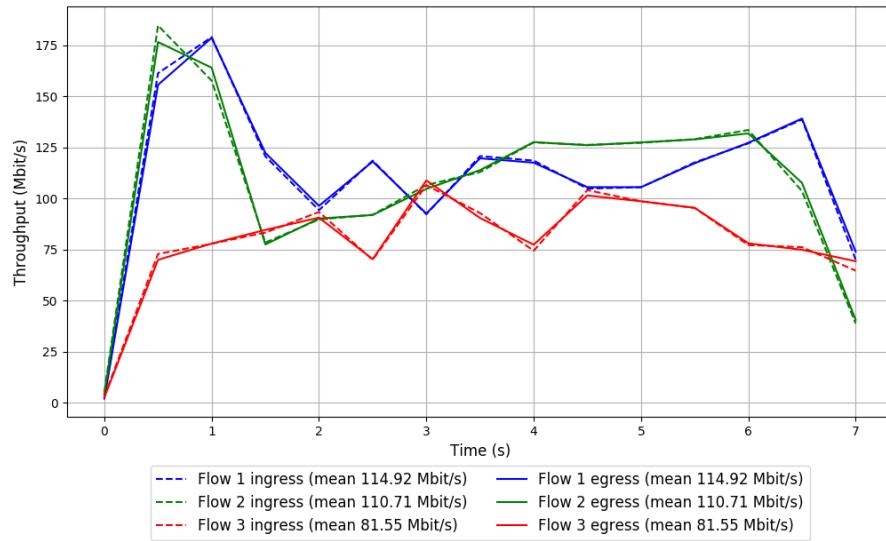
Start at: 2017-09-08 04:47:30

End at: 2017-09-08 04:48:00

Local clock offset: -0.042 ms

Remote clock offset: -1.51 ms

Run 10: Report of PCC — Data Link

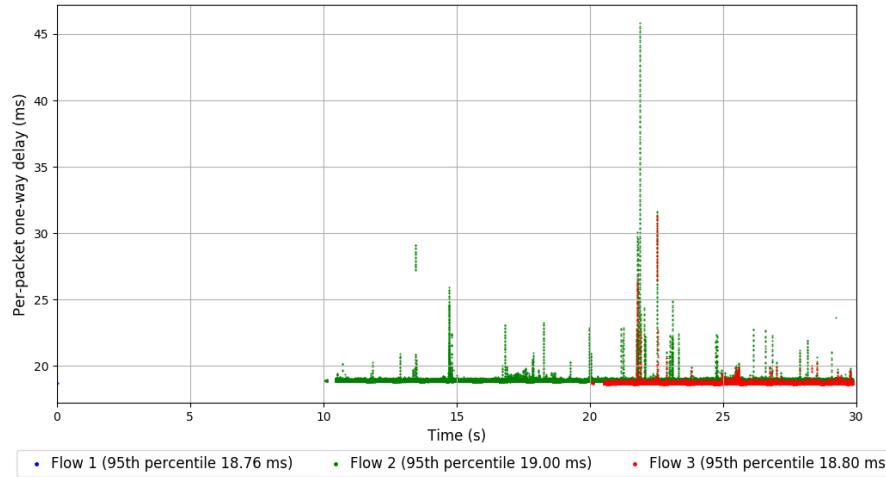
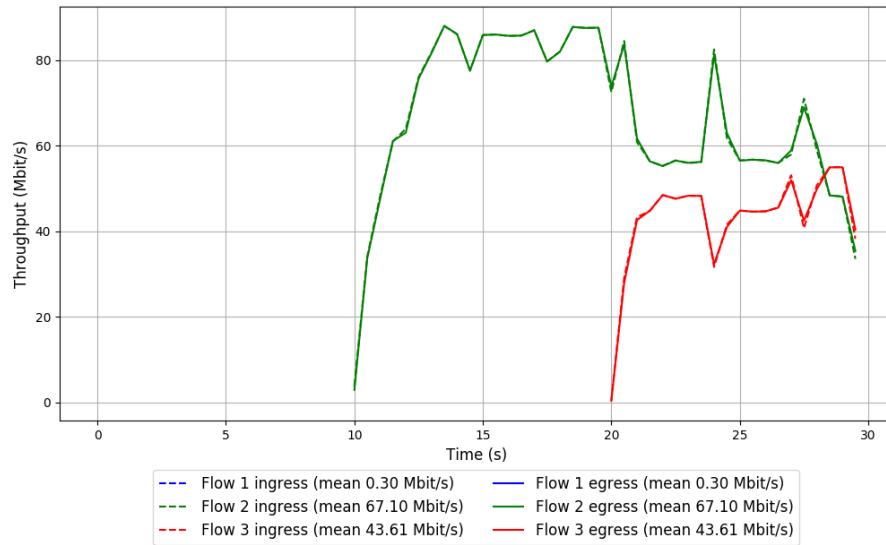


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-09-08 01:41:27
End at: 2017-09-08 01:41:57
Local clock offset: 0.849 ms
Remote clock offset: -1.545 ms

# Below is generated by plot.py at 2017-09-08 08:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 18.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.01%
```

Run 1: Report of QUIC Cubic — Data Link

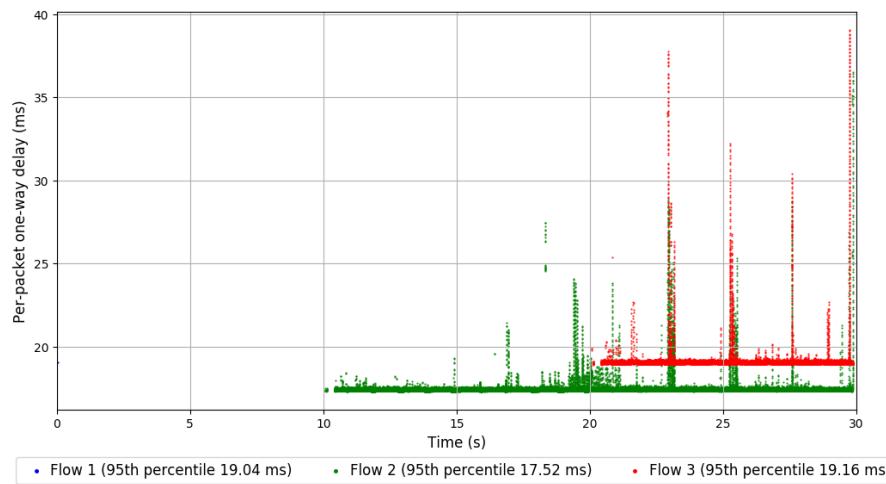
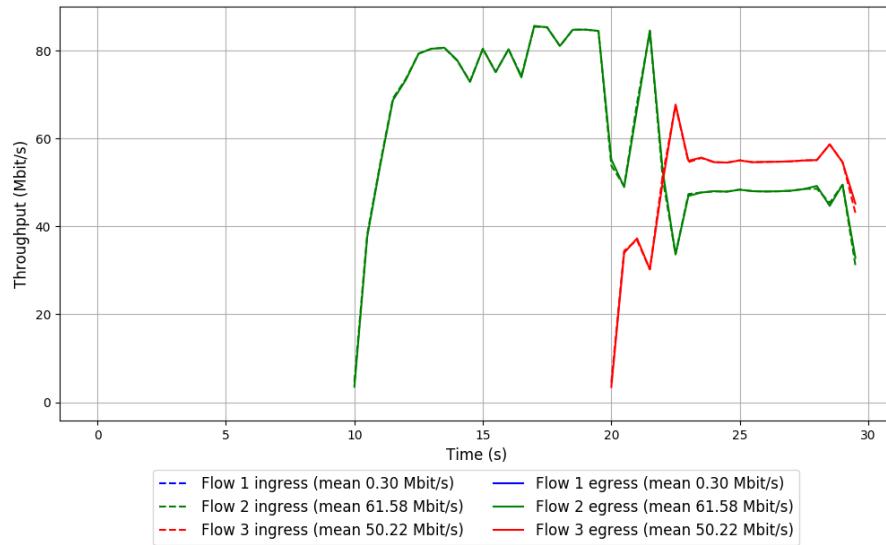


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-08 02:02:12
End at: 2017-09-08 02:02:42
Local clock offset: 0.664 ms
Remote clock offset: -1.396 ms

# Below is generated by plot.py at 2017-09-08 08:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 19.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 17.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

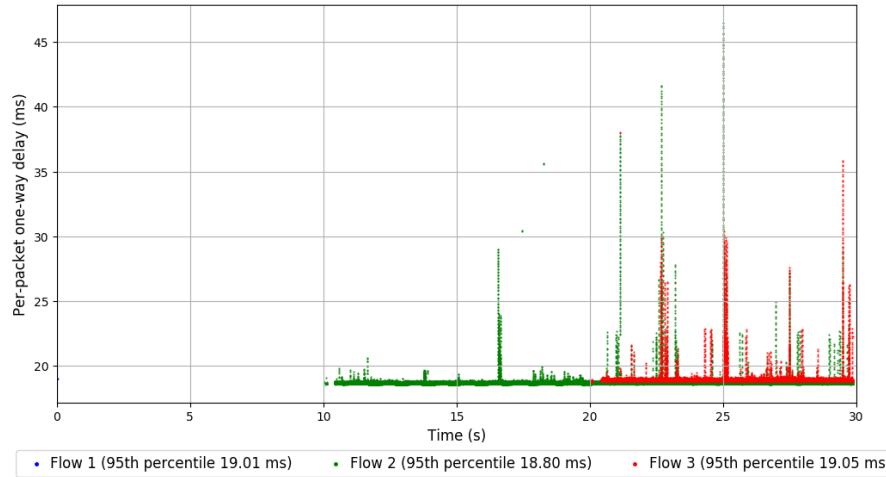
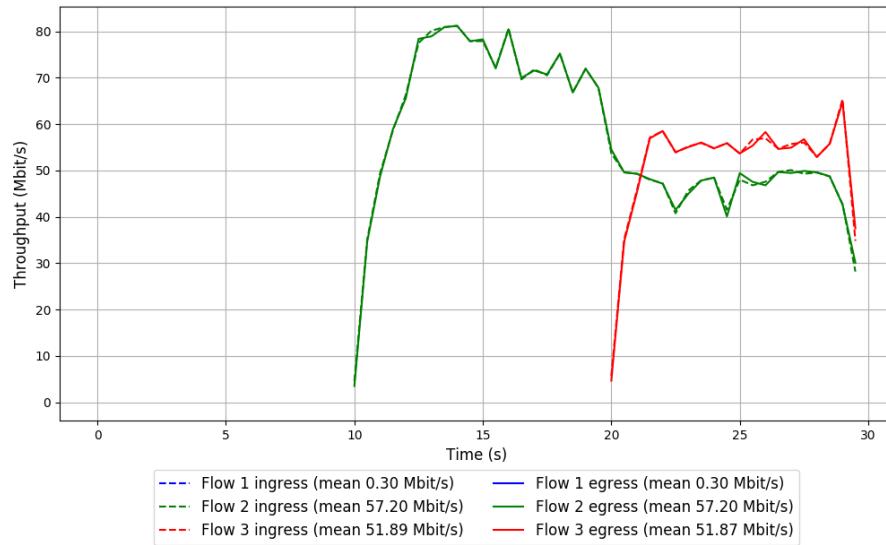


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-08 02:23:12
End at: 2017-09-08 02:23:42
Local clock offset: 0.7 ms
Remote clock offset: -1.906 ms

# Below is generated by plot.py at 2017-09-08 08:15:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 18.978 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 18.795 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.01%
```

Run 3: Report of QUIC Cubic — Data Link

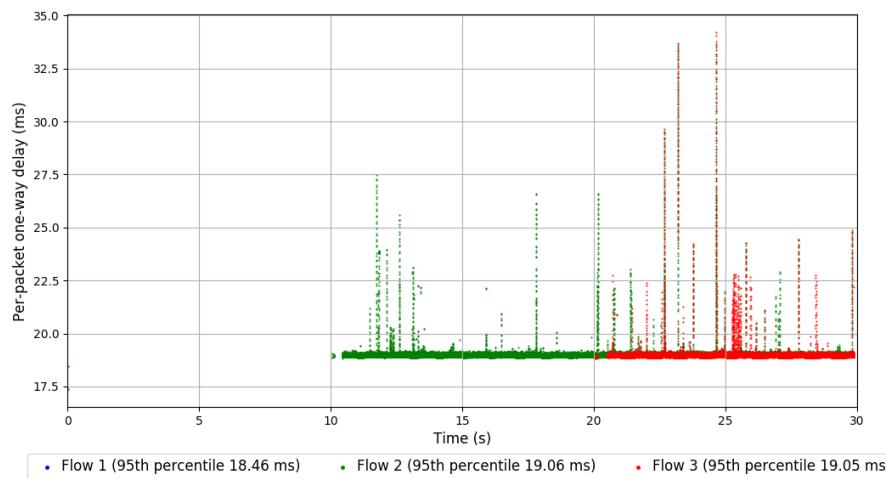
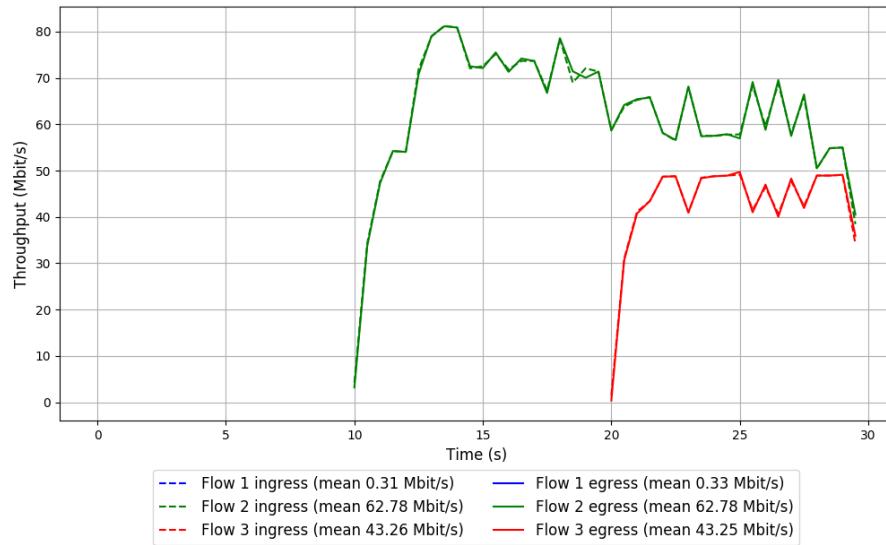


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-08 02:44:17
End at: 2017-09-08 02:44:47
Local clock offset: 0.531 ms
Remote clock offset: -1.929 ms

# Below is generated by plot.py at 2017-09-08 08:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 18.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 19.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.01%
```

Run 4: Report of QUIC Cubic — Data Link

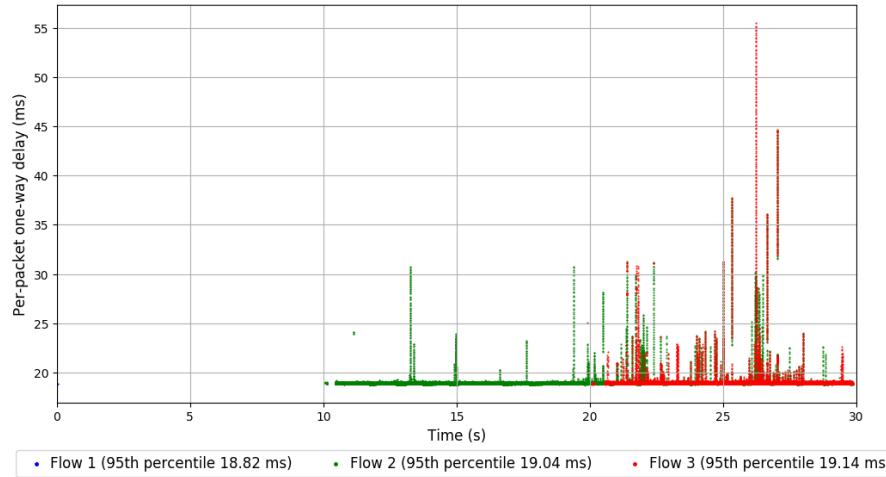
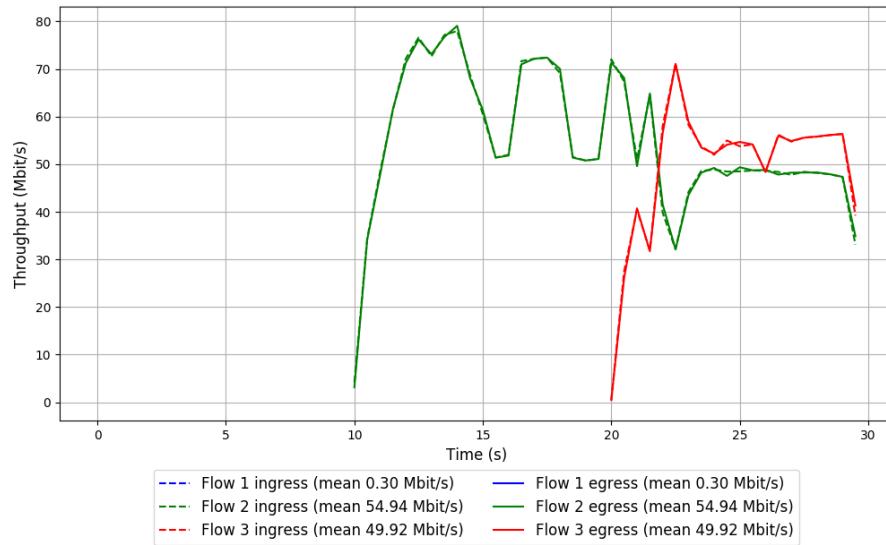


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-08 03:05:15
End at: 2017-09-08 03:05:45
Local clock offset: 0.481 ms
Remote clock offset: -1.848 ms

# Below is generated by plot.py at 2017-09-08 08:15:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.825 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

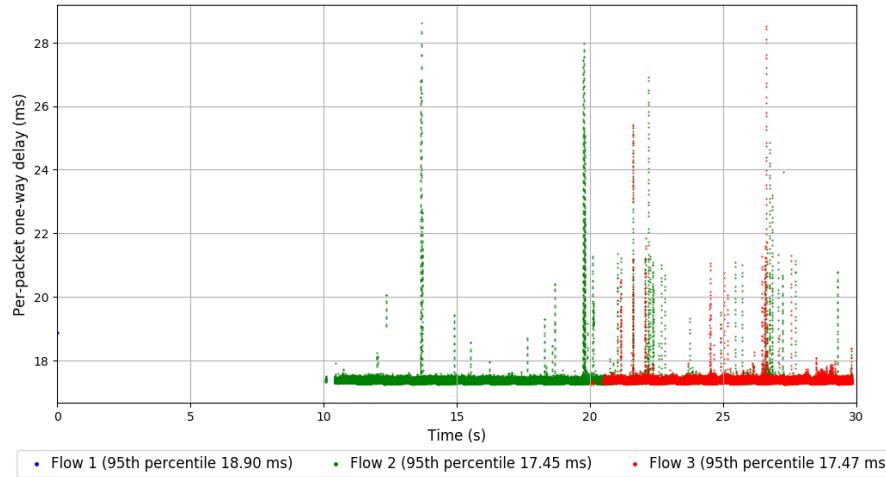
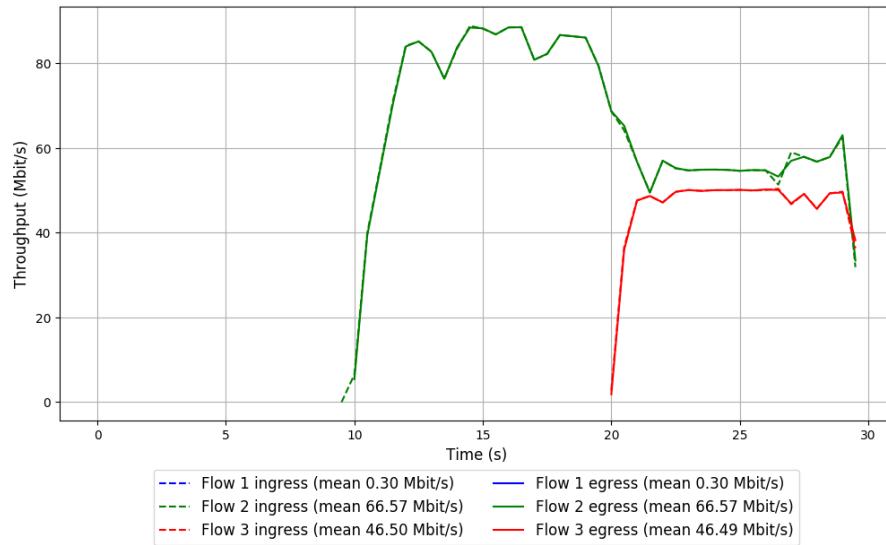


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-08 03:26:18
End at: 2017-09-08 03:26:48
Local clock offset: 0.406 ms
Remote clock offset: -1.542 ms

# Below is generated by plot.py at 2017-09-08 08:15:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 17.458 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 17.454 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 17.470 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

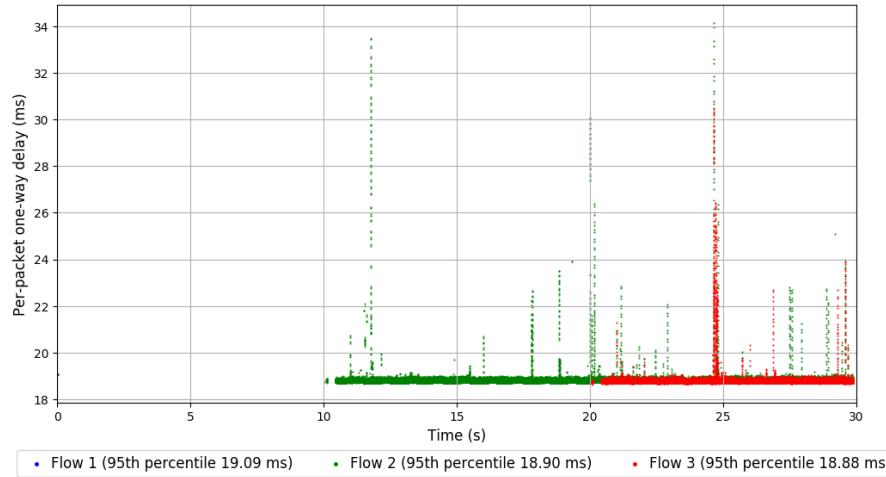
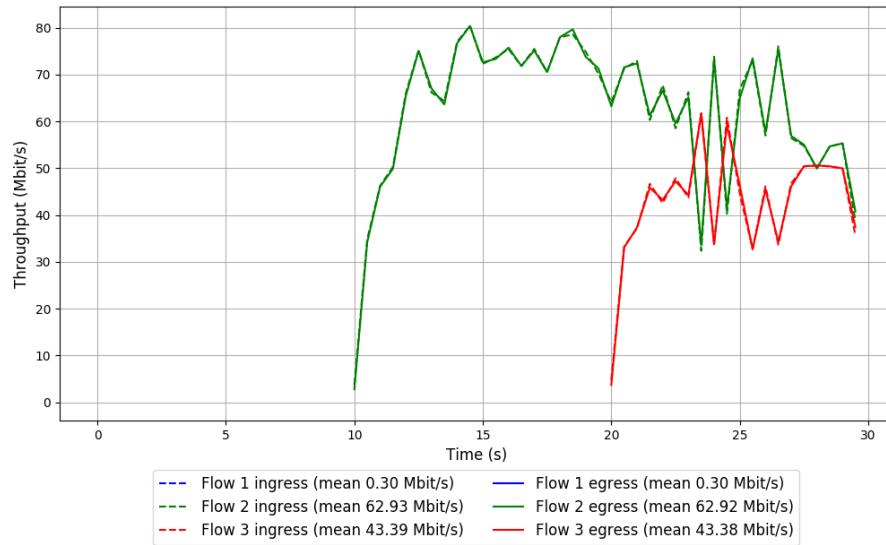


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-08 03:47:20
End at: 2017-09-08 03:47:50
Local clock offset: 0.205 ms
Remote clock offset: -1.632 ms

# Below is generated by plot.py at 2017-09-08 08:15:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 19.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 18.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.38 Mbit/s
95th percentile per-packet one-way delay: 18.879 ms
Loss rate: 0.01%
```

Run 7: Report of QUIC Cubic — Data Link

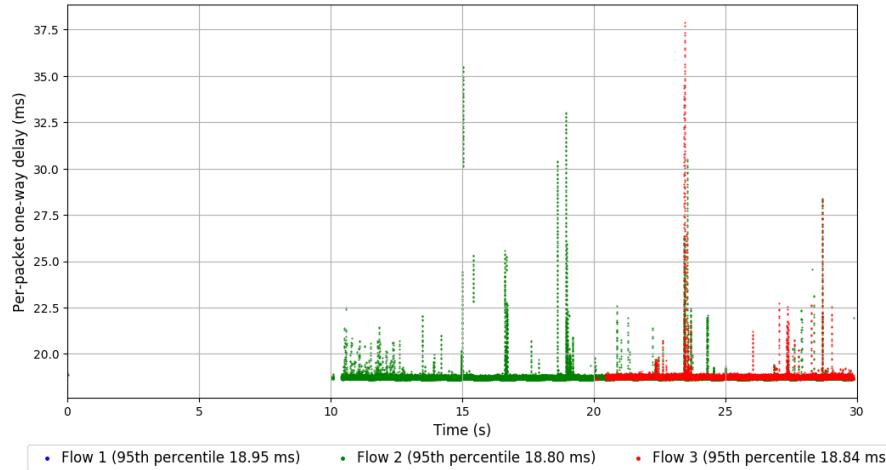
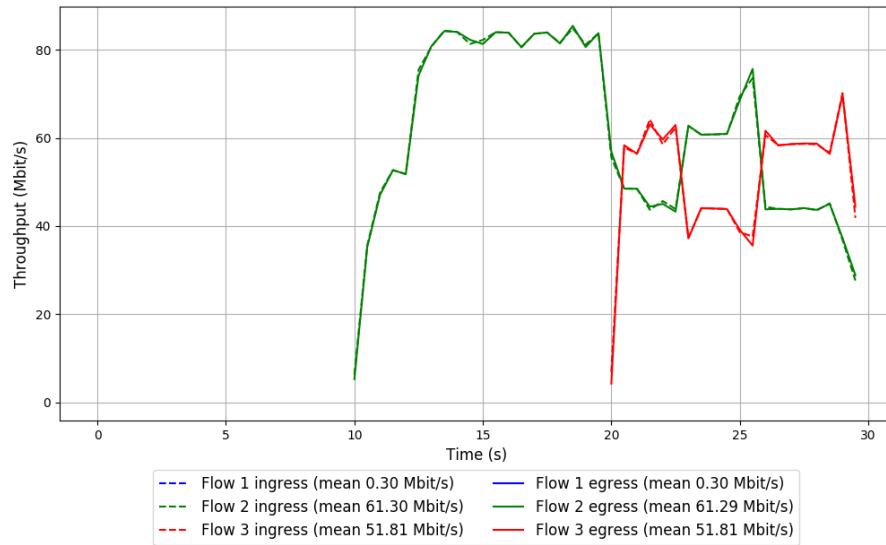


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-08 04:08:21
End at: 2017-09-08 04:08:51
Local clock offset: 0.184 ms
Remote clock offset: -1.642 ms

# Below is generated by plot.py at 2017-09-08 08:15:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 18.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.29 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.81 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

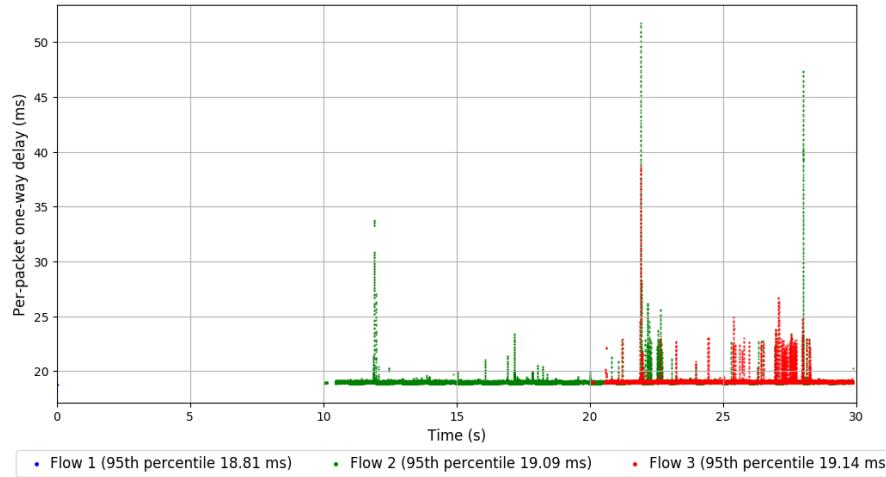
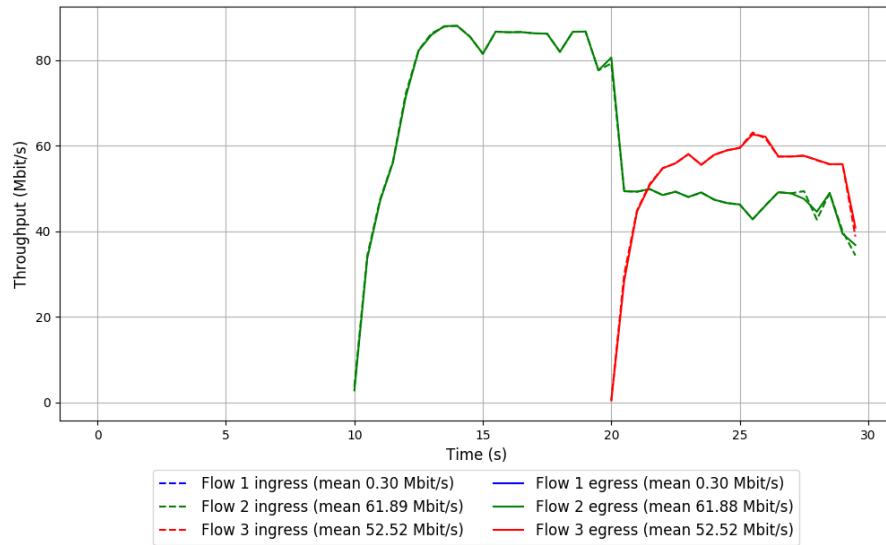


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-08 04:29:13
End at: 2017-09-08 04:29:43
Local clock offset: 0.14 ms
Remote clock offset: -1.598 ms

# Below is generated by plot.py at 2017-09-08 08:15:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 19.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

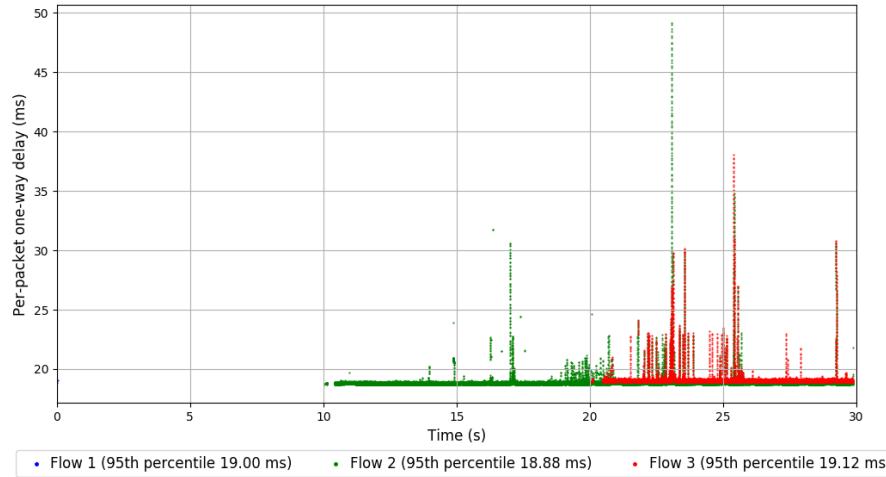
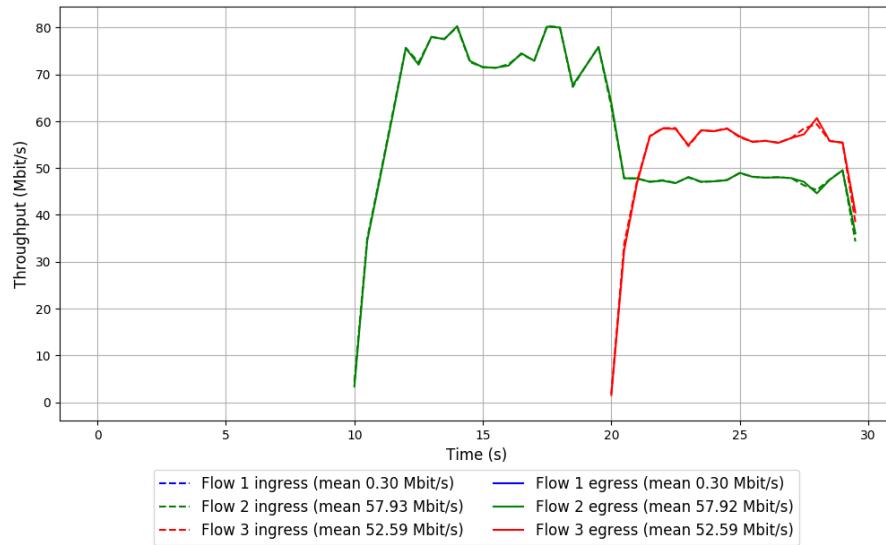


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-08 04:50:21
End at: 2017-09-08 04:50:51
Local clock offset: -0.033 ms
Remote clock offset: -1.622 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

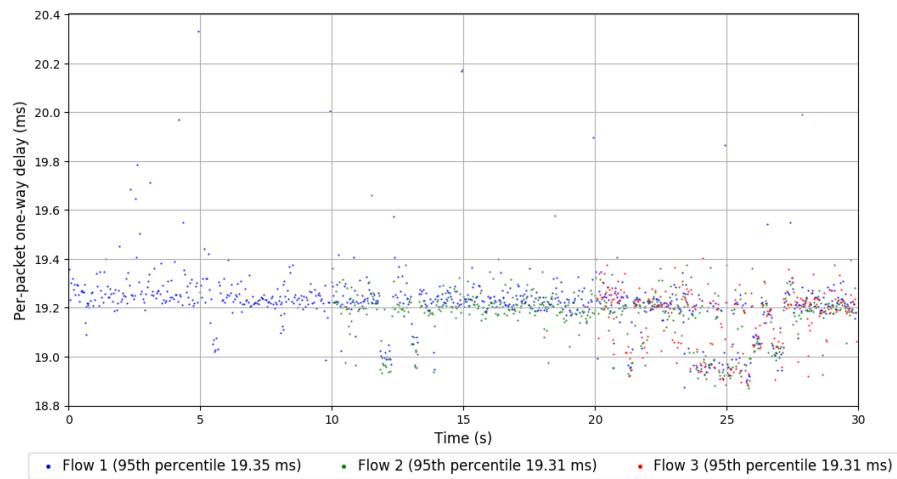
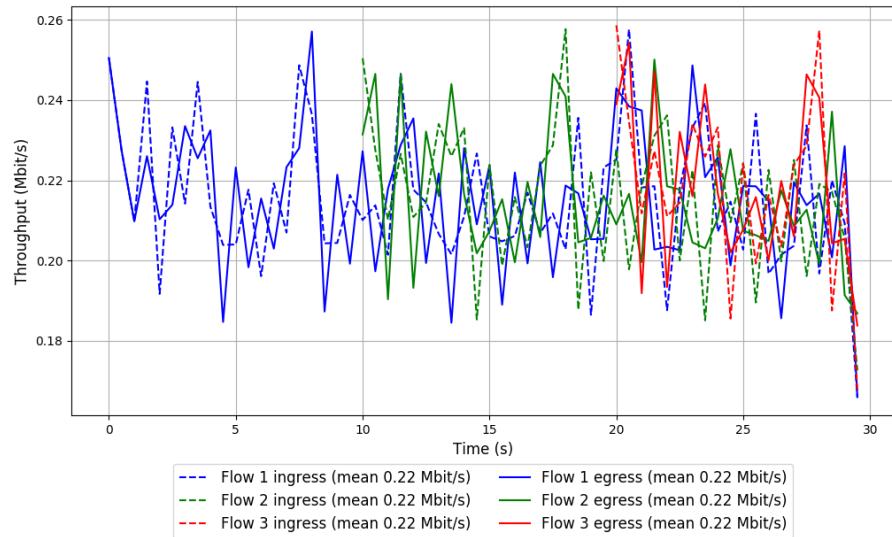


```
Run 1: Statistics of SCReAM

Start at: 2017-09-08 01:34:58
End at: 2017-09-08 01:35:28
Local clock offset: 0.858 ms
Remote clock offset: -1.575 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

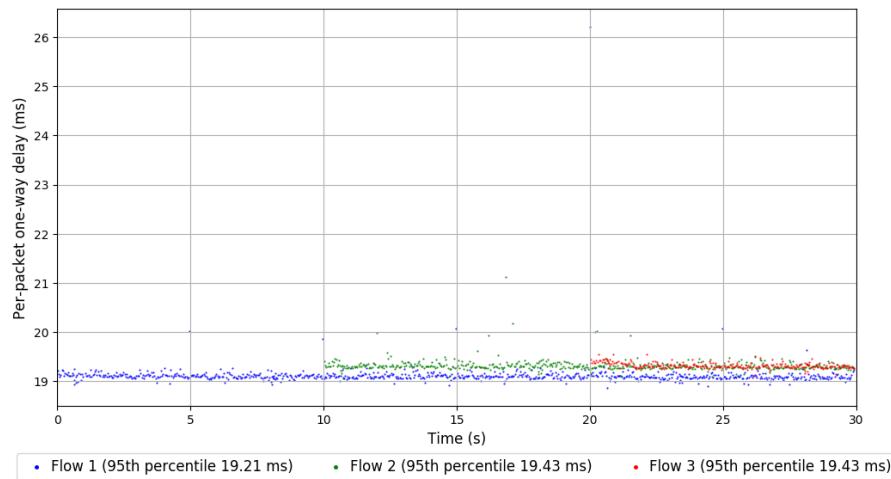
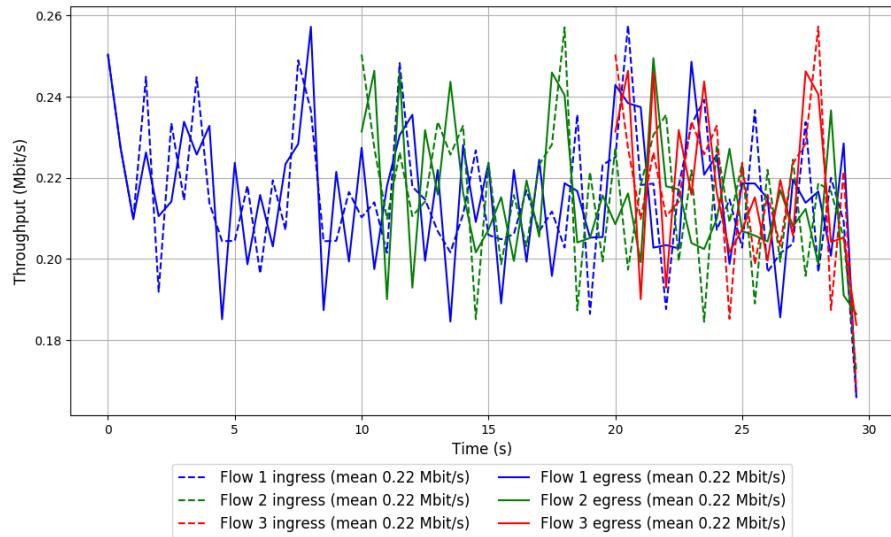


Run 2: Statistics of SCReAM

```
Start at: 2017-09-08 01:55:31
End at: 2017-09-08 01:56:01
Local clock offset: 0.728 ms
Remote clock offset: -1.376 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.434 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

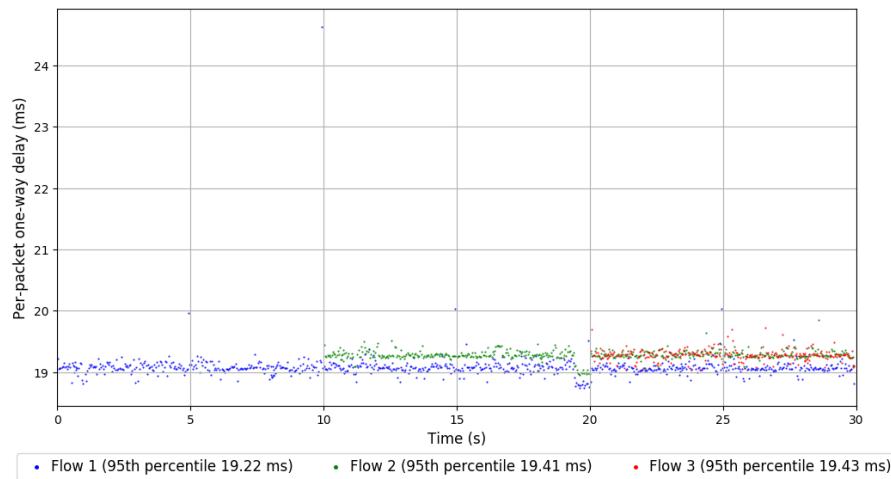
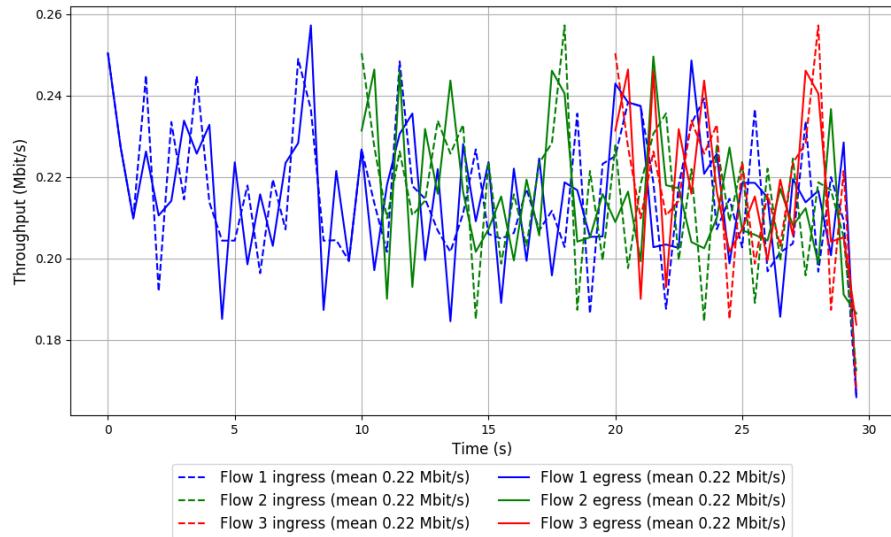


Run 3: Statistics of SCReAM

```
Start at: 2017-09-08 02:16:34
End at: 2017-09-08 02:17:04
Local clock offset: 0.684 ms
Remote clock offset: -1.672 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

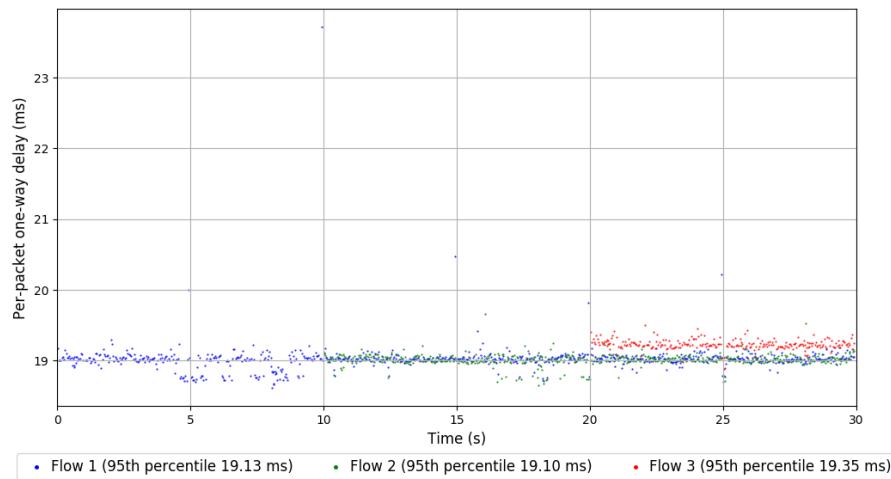
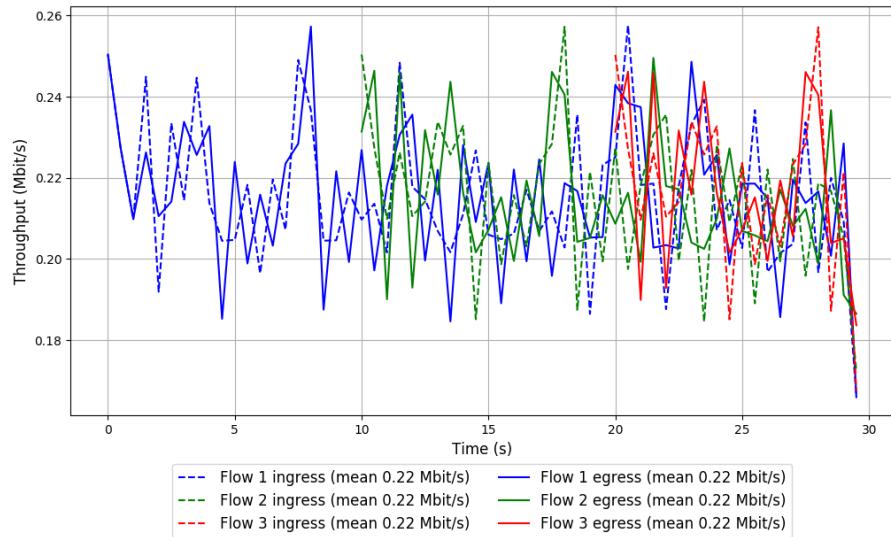


Run 4: Statistics of SCReAM

```
Start at: 2017-09-08 02:37:28
End at: 2017-09-08 02:37:58
Local clock offset: 0.593 ms
Remote clock offset: -1.952 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

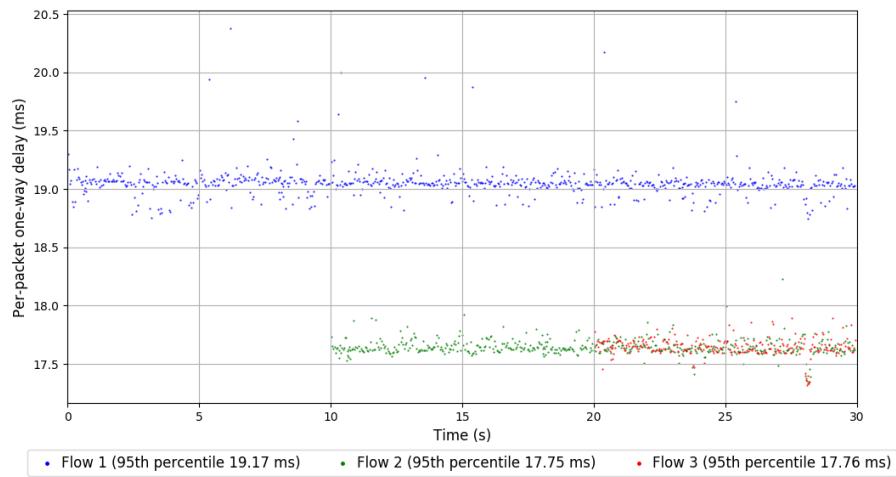
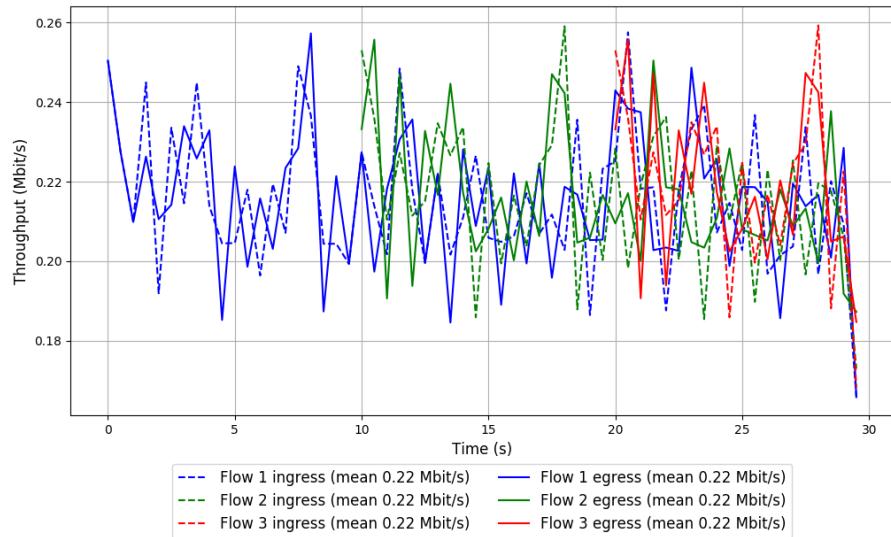


Run 5: Statistics of SCReAM

```
Start at: 2017-09-08 02:58:35
End at: 2017-09-08 02:59:05
Local clock offset: 0.55 ms
Remote clock offset: -1.704 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

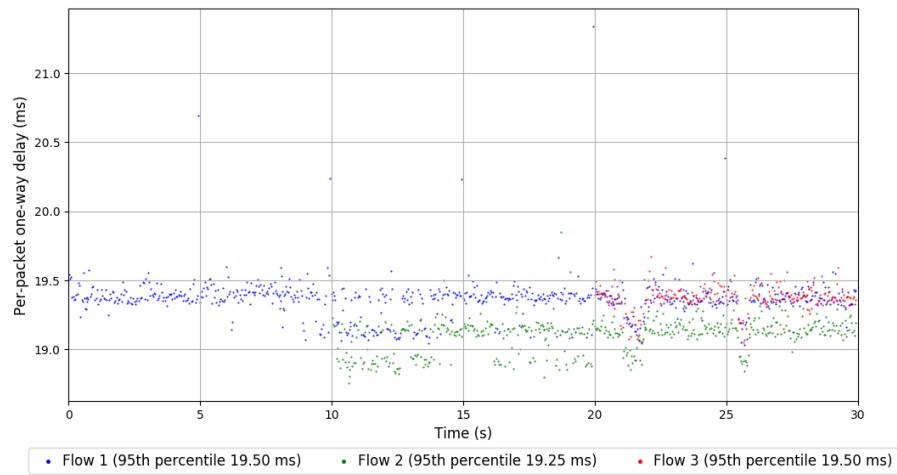
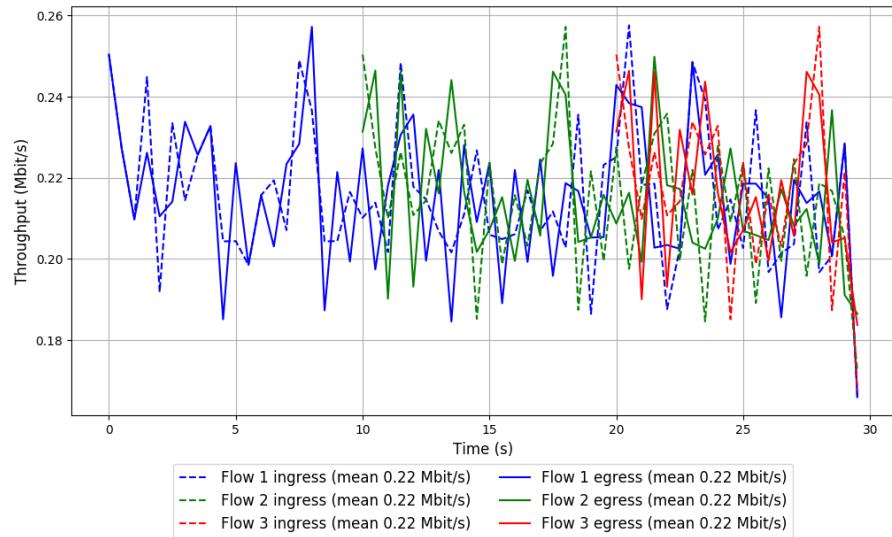


Run 6: Statistics of SCReAM

```
Start at: 2017-09-08 03:19:30
End at: 2017-09-08 03:20:00
Local clock offset: 0.341 ms
Remote clock offset: -1.687 ms

# Below is generated by plot.py at 2017-09-08 08:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.504 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

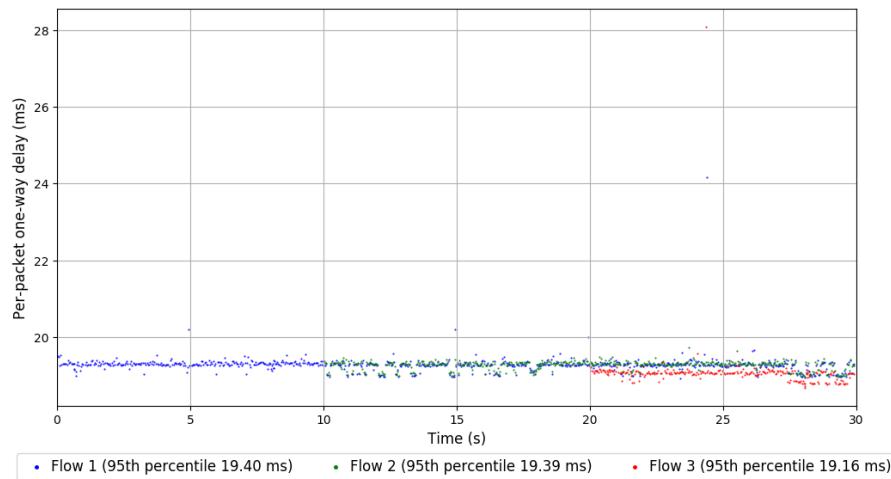
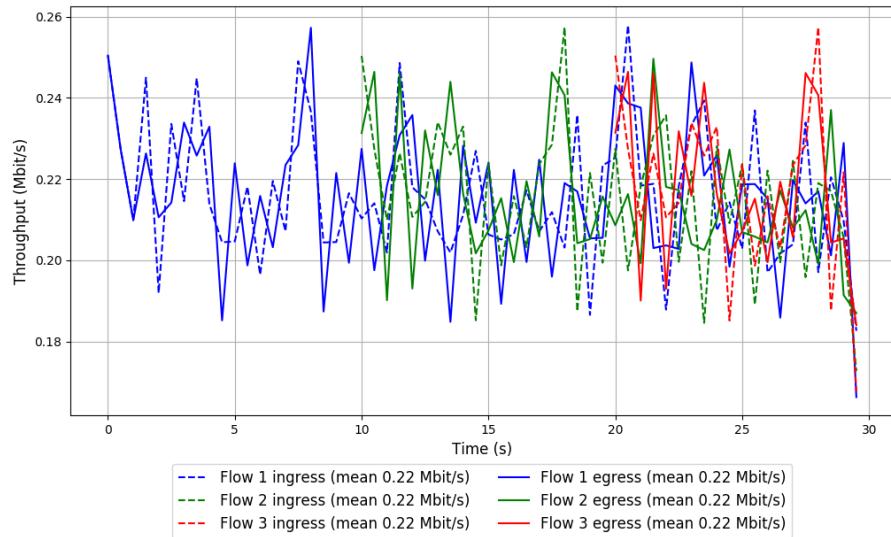


Run 7: Statistics of SCReAM

```
Start at: 2017-09-08 03:40:37
End at: 2017-09-08 03:41:07
Local clock offset: 0.273 ms
Remote clock offset: -1.481 ms

# Below is generated by plot.py at 2017-09-08 08:16:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.402 ms
Loss rate: 0.13%
-- 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: 19.160 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

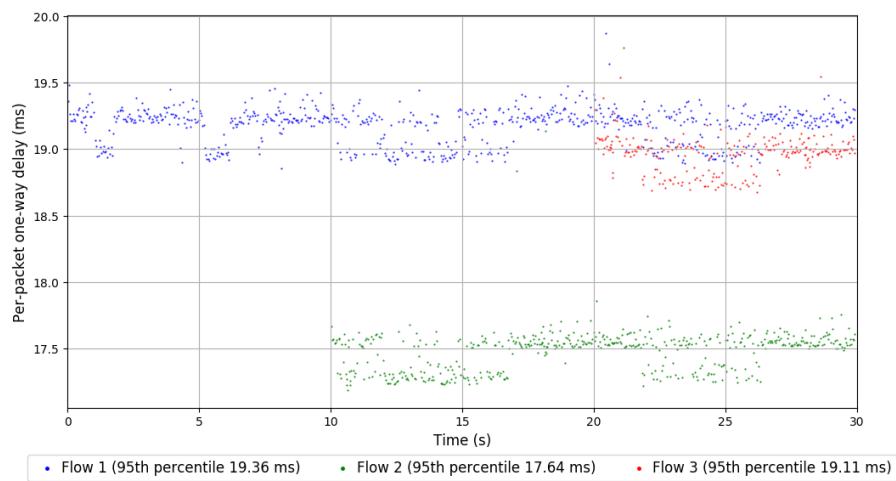
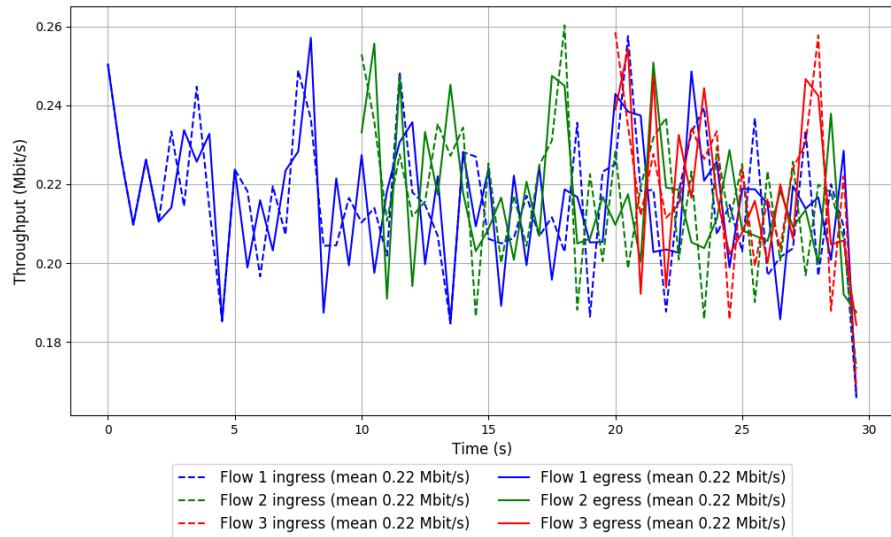


Run 8: Statistics of SCReAM

```
Start at: 2017-09-08 04:01:41
End at: 2017-09-08 04:02:11
Local clock offset: 0.223 ms
Remote clock offset: -1.766 ms

# Below is generated by plot.py at 2017-09-08 08:16:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

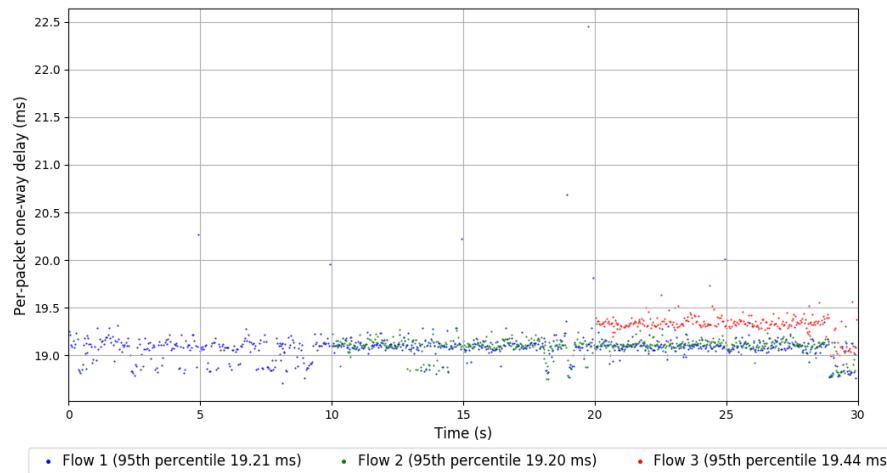
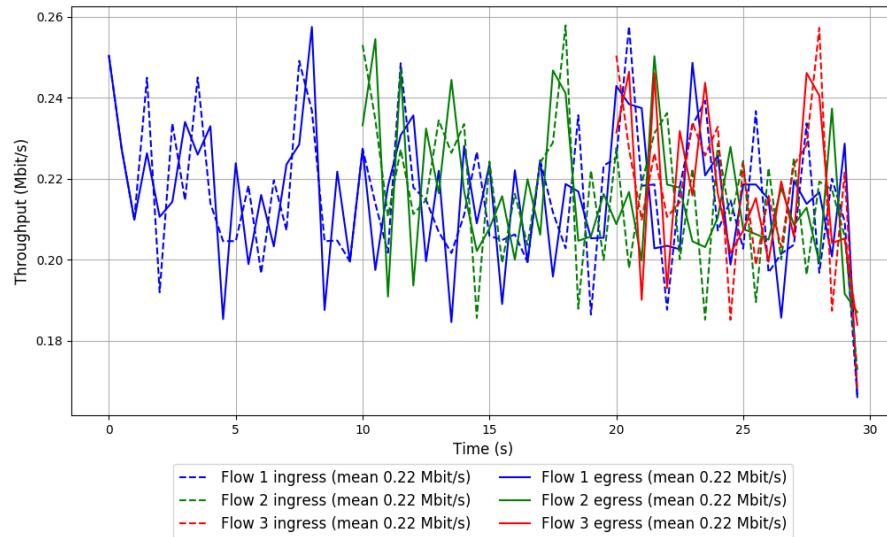


Run 9: Statistics of SCReAM

```
Start at: 2017-09-08 04:22:28
End at: 2017-09-08 04:22:58
Local clock offset: 0.043 ms
Remote clock offset: -1.651 ms

# Below is generated by plot.py at 2017-09-08 08:16:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.443 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

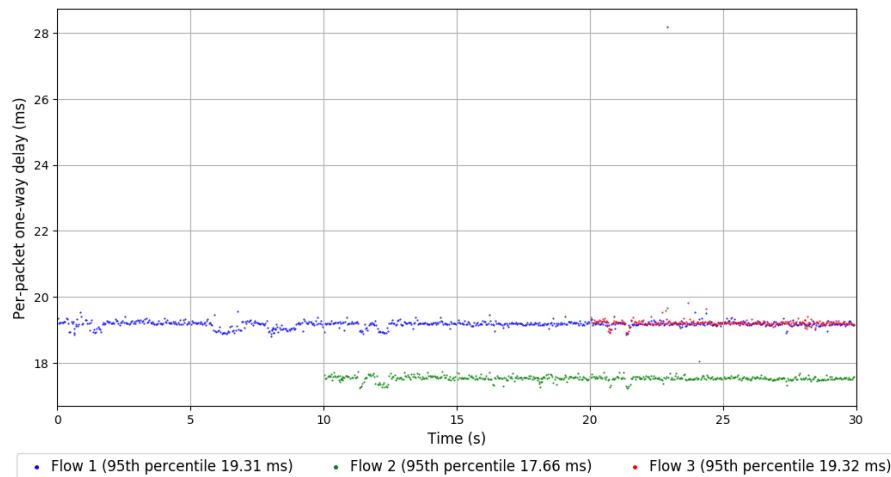
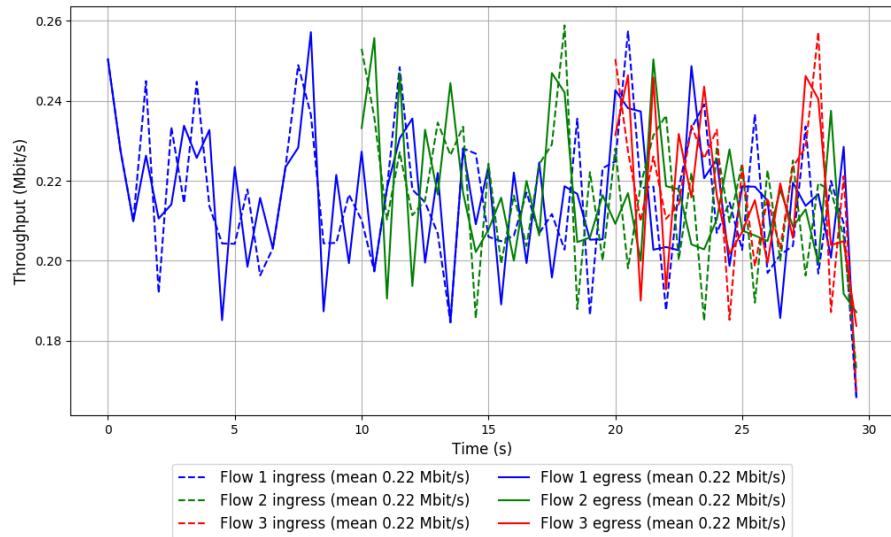


Run 10: Statistics of SCReAM

```
Start at: 2017-09-08 04:43:38
End at: 2017-09-08 04:44:08
Local clock offset: 0.097 ms
Remote clock offset: -1.584 ms

# Below is generated by plot.py at 2017-09-08 08:16:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.00%
```

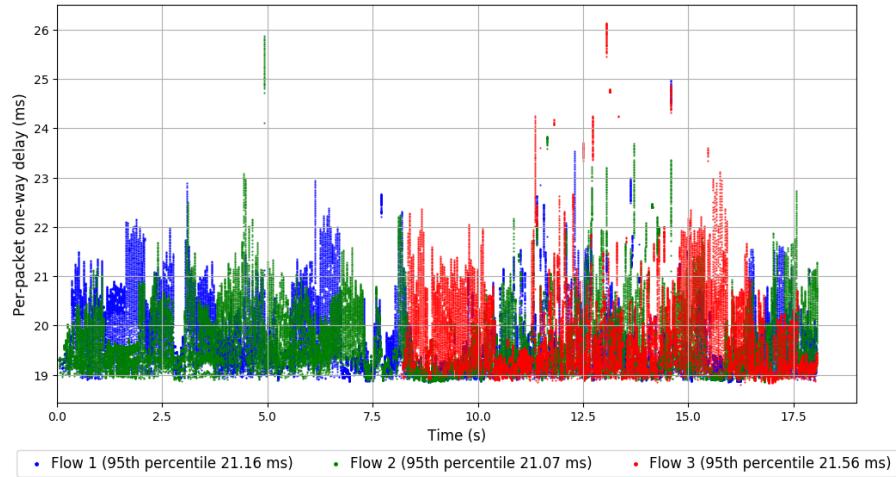
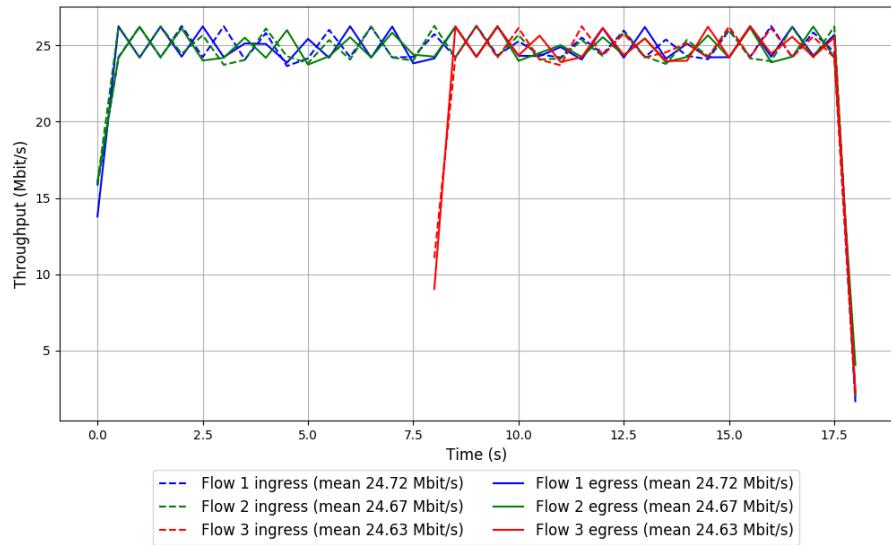
Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-08 01:48:39
End at: 2017-09-08 01:49:09
Local clock offset: 0.802 ms
Remote clock offset: -1.483 ms

Run 1: Report of Sprout — Data Link

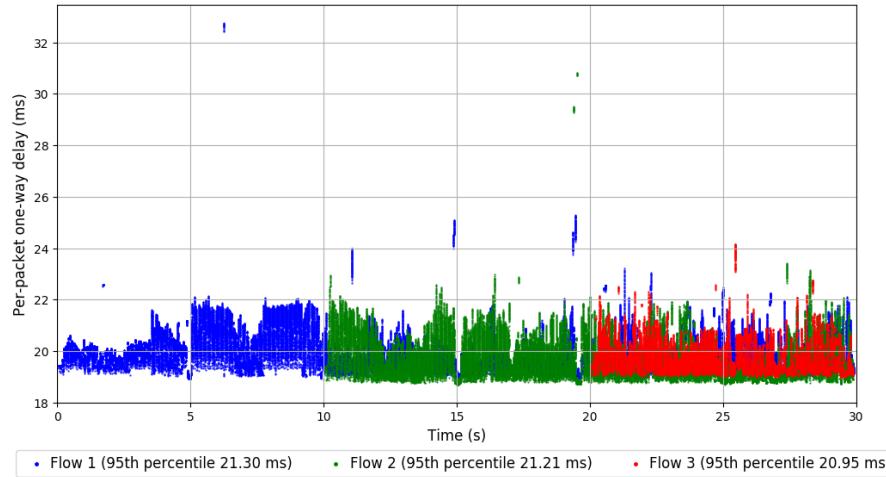
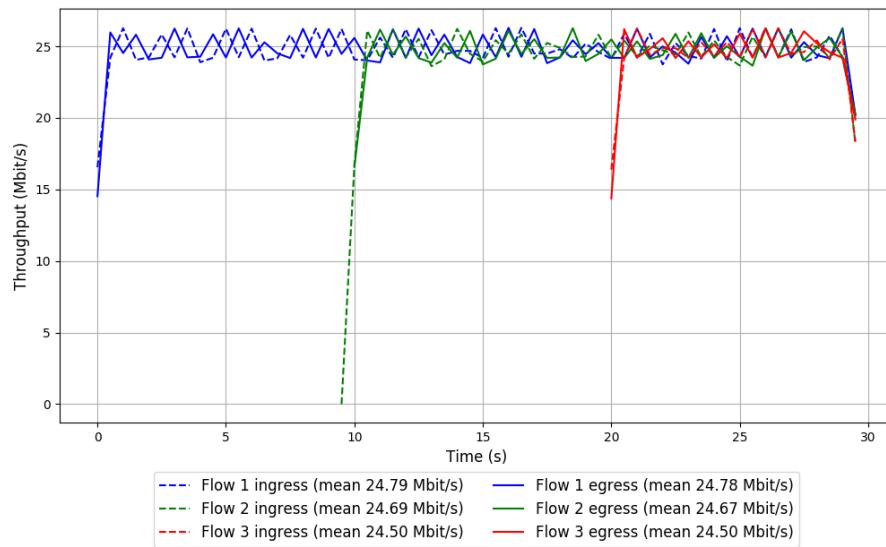


Run 2: Statistics of Sprout

```
Start at: 2017-09-08 02:09:39
End at: 2017-09-08 02:10:09
Local clock offset: 0.675 ms
Remote clock offset: -1.431 ms

# Below is generated by plot.py at 2017-09-08 08:16:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 21.225 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 21.304 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.214 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 20.955 ms
Loss rate: 0.02%
```

Run 2: Report of Sprout — Data Link

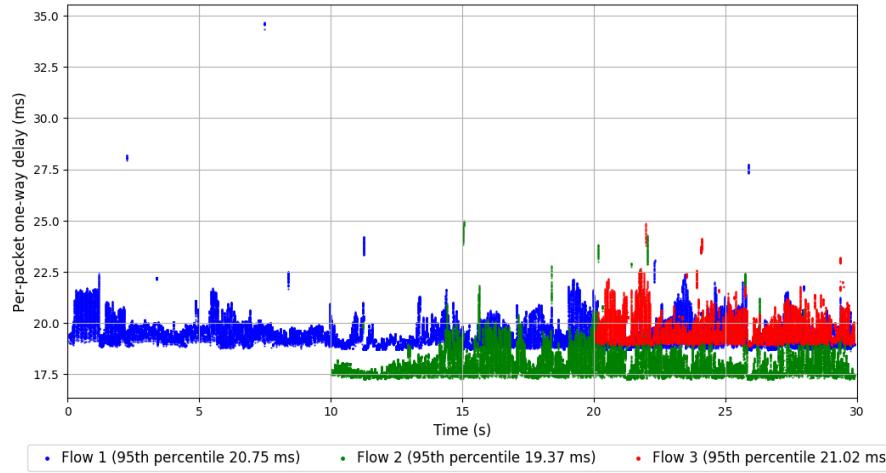
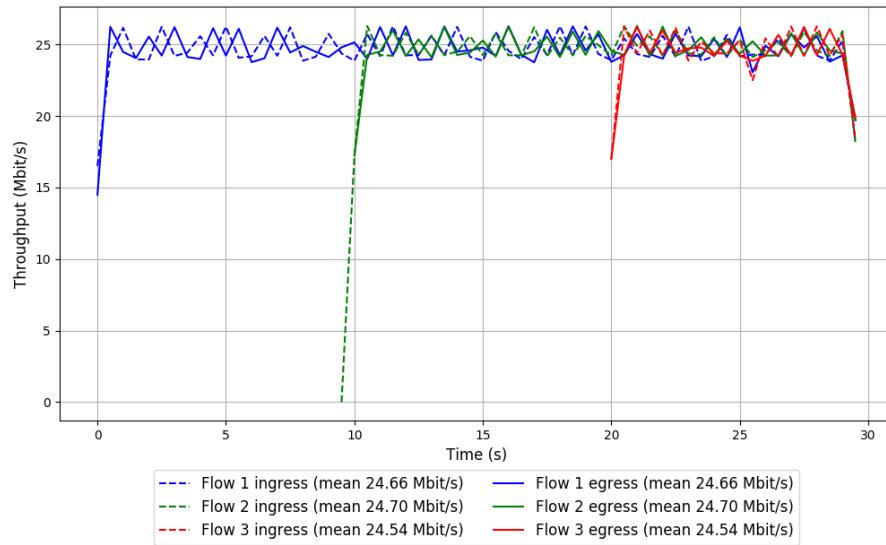


Run 3: Statistics of Sprout

```
Start at: 2017-09-08 02:30:32
End at: 2017-09-08 02:31:02
Local clock offset: 0.624 ms
Remote clock offset: -1.973 ms

# Below is generated by plot.py at 2017-09-08 08:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 20.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 20.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

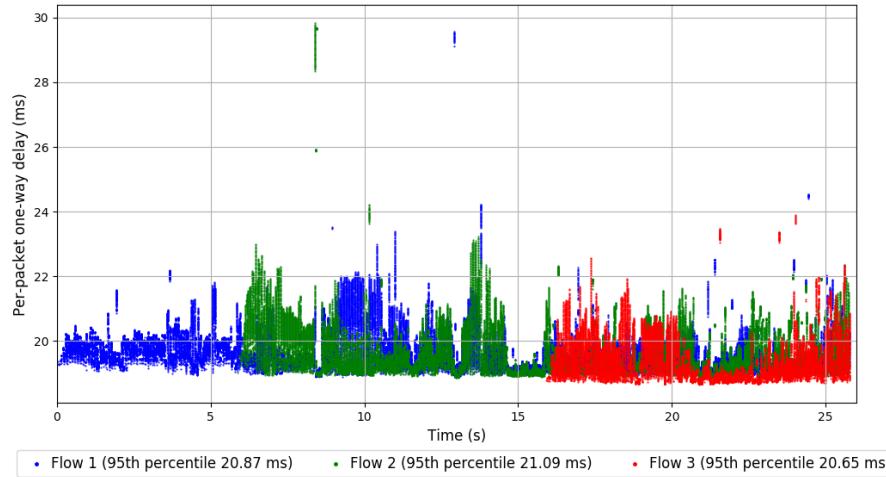
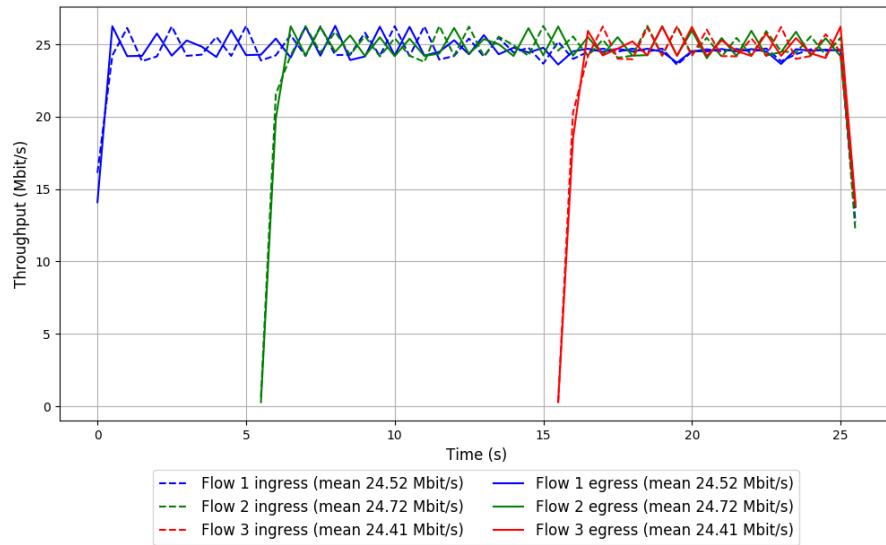


Run 4: Statistics of Sprout

```
Start at: 2017-09-08 02:51:41
End at: 2017-09-08 02:52:11
Local clock offset: 0.506 ms
Remote clock offset: -1.834 ms

# Below is generated by plot.py at 2017-09-08 08:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 20.866 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 20.651 ms
Loss rate: 0.00%
```

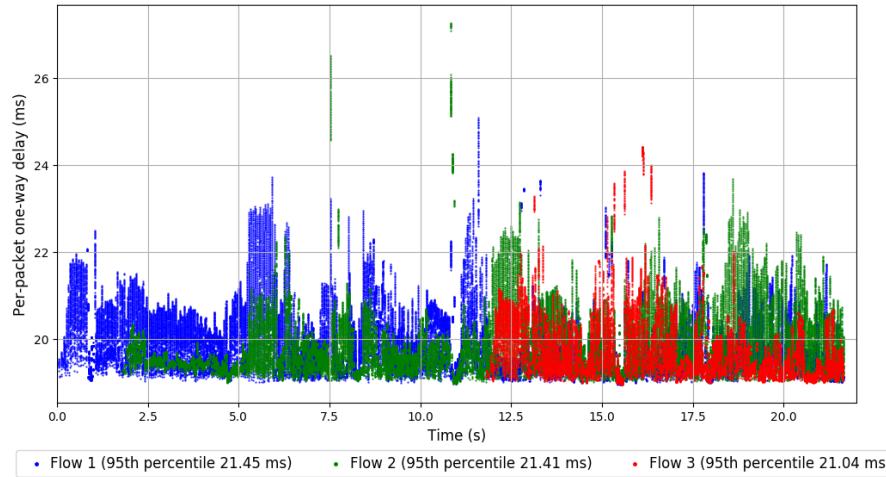
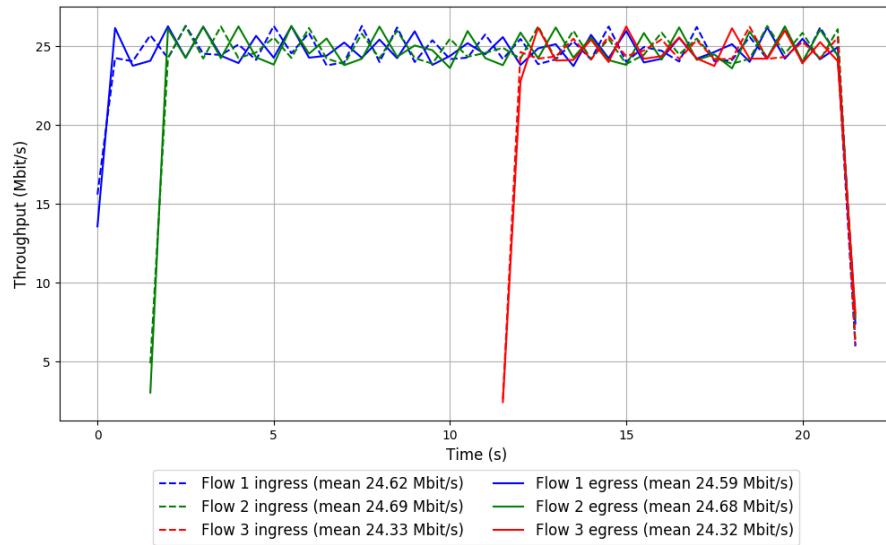
Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-08 03:12:35
End at: 2017-09-08 03:13:05
Local clock offset: 0.374 ms
Remote clock offset: -1.762 ms

Run 5: Report of Sprout — Data Link

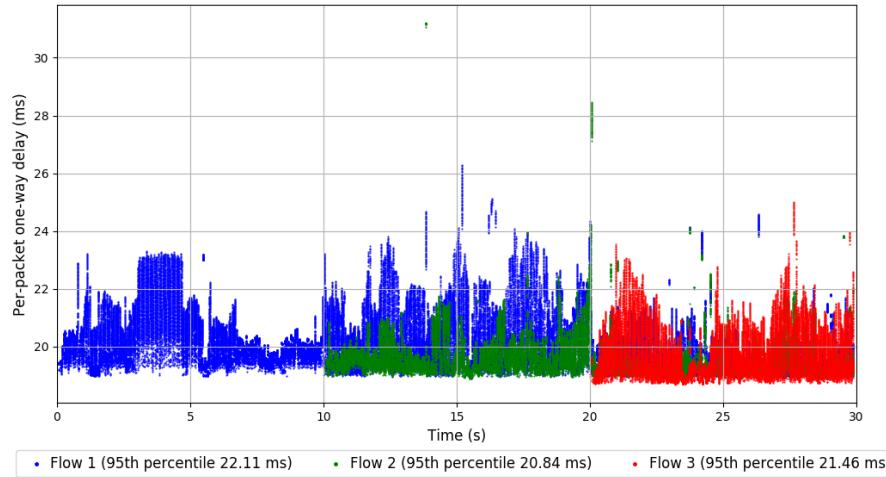
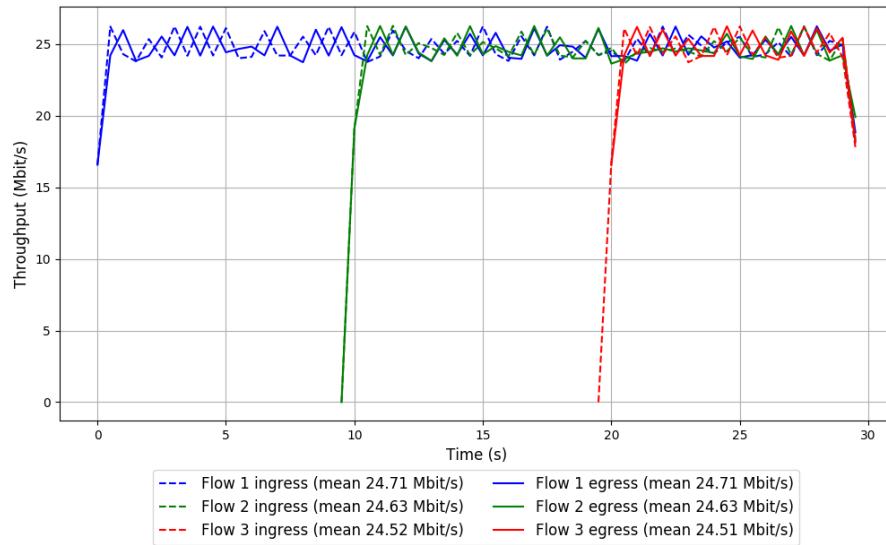


Run 6: Statistics of Sprout

```
Start at: 2017-09-08 03:33:41
End at: 2017-09-08 03:34:11
Local clock offset: 0.298 ms
Remote clock offset: -1.492 ms

# Below is generated by plot.py at 2017-09-08 08:16:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 21.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 20.836 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.458 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

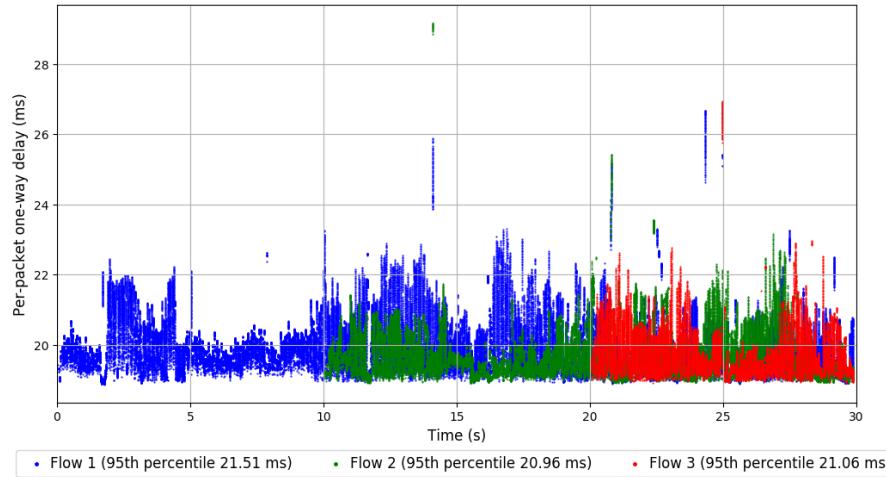
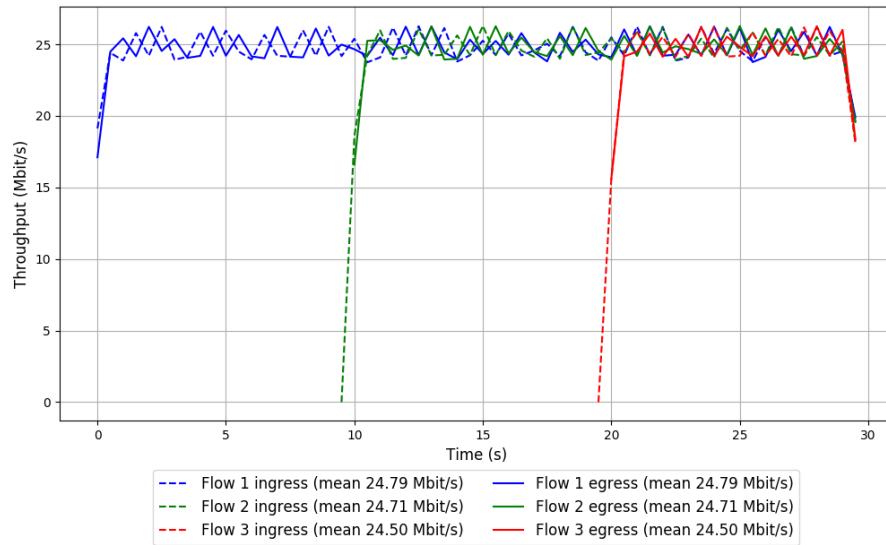


Run 7: Statistics of Sprout

```
Start at: 2017-09-08 03:54:45
End at: 2017-09-08 03:55:15
Local clock offset: 0.245 ms
Remote clock offset: -1.736 ms

# Below is generated by plot.py at 2017-09-08 08:16:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 21.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 21.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 20.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 21.057 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

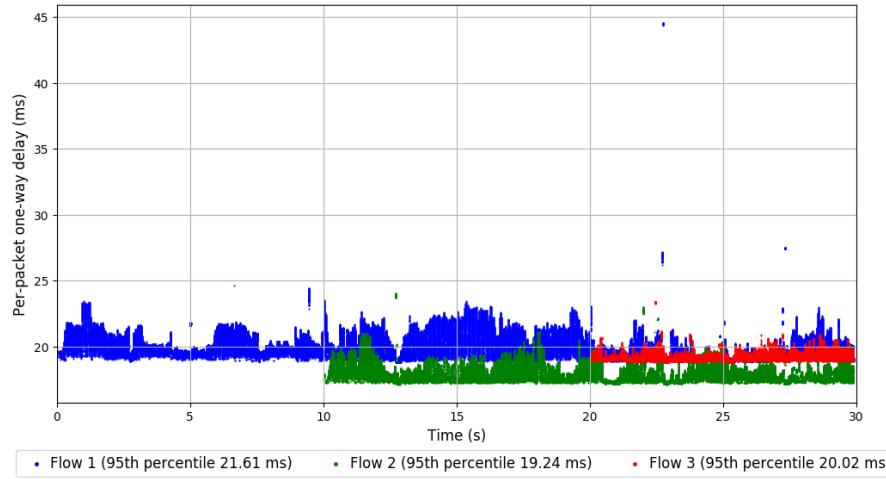
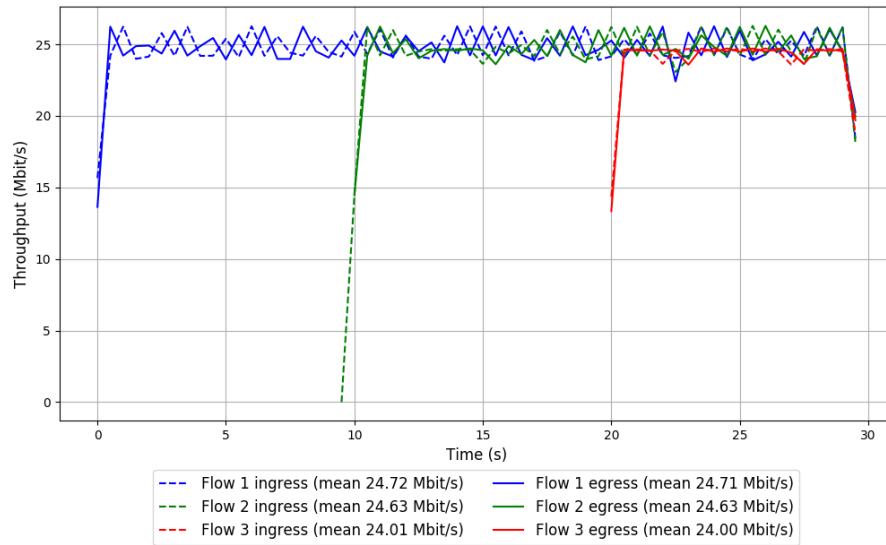


Run 8: Statistics of Sprout

```
Start at: 2017-09-08 04:15:34
End at: 2017-09-08 04:16:04
Local clock offset: 0.156 ms
Remote clock offset: -1.684 ms

# Below is generated by plot.py at 2017-09-08 08:16:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 21.226 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 21.612 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 20.016 ms
Loss rate: 0.03%
```

Run 8: Report of Sprout — Data Link

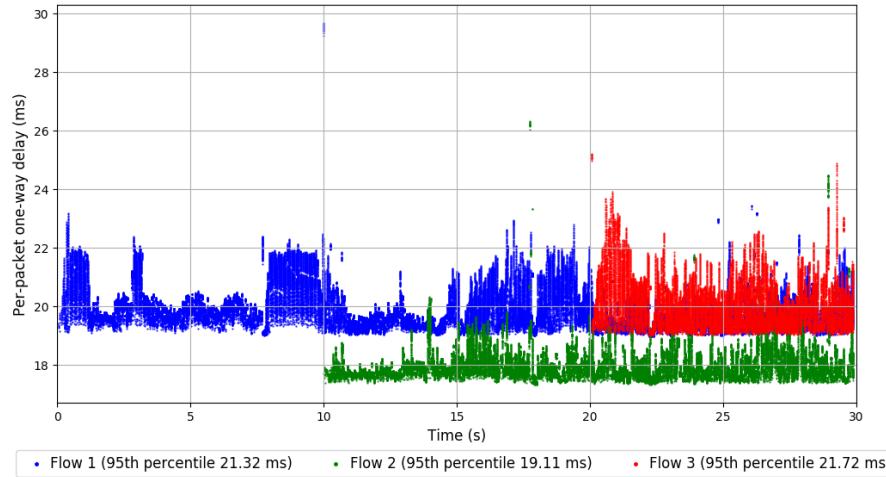
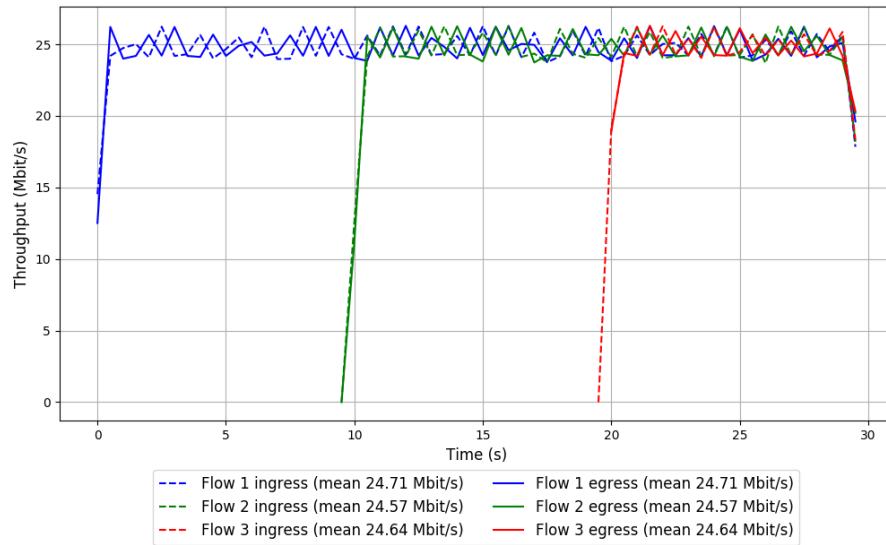


Run 9: Statistics of Sprout

```
Start at: 2017-09-08 04:36:42
End at: 2017-09-08 04:37:12
Local clock offset: 0.017 ms
Remote clock offset: -1.533 ms

# Below is generated by plot.py at 2017-09-08 08:16:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 21.188 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 21.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.723 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

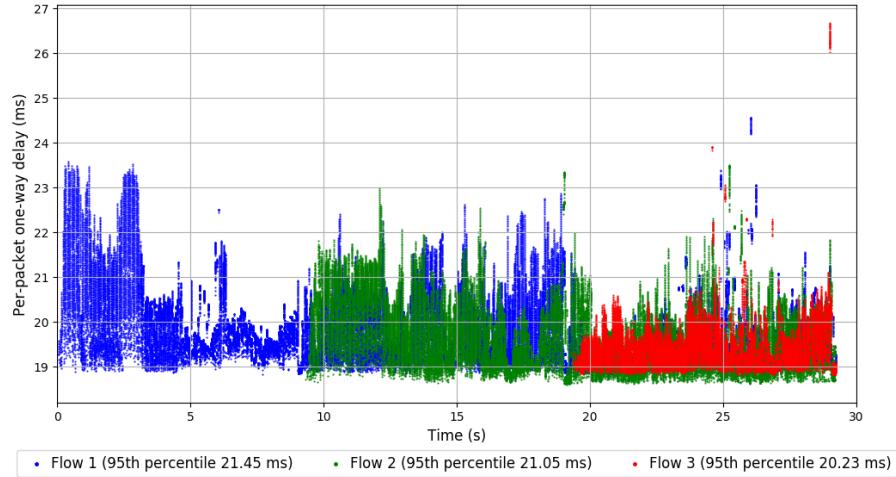
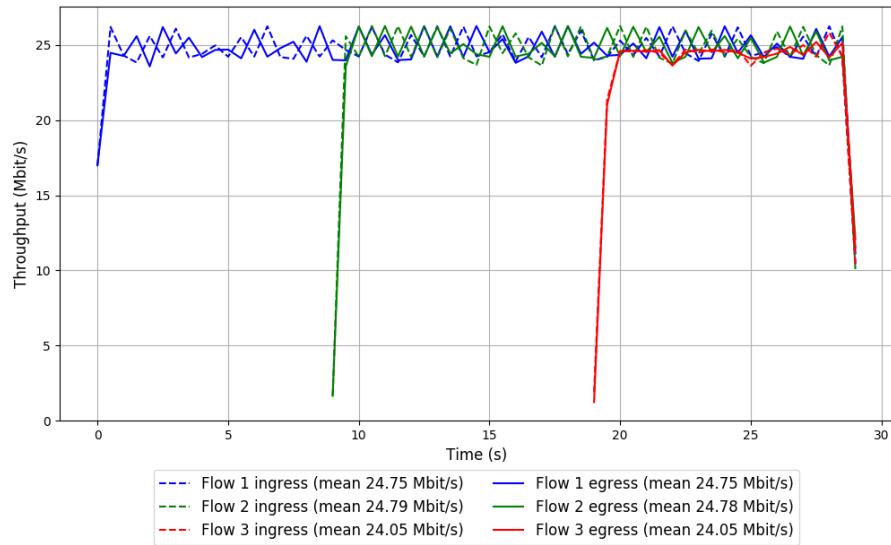


Run 10: Statistics of Sprout

```
Start at: 2017-09-08 04:57:33
End at: 2017-09-08 04:58:03
Local clock offset: 0.026 ms
Remote clock offset: -1.753 ms

# Below is generated by plot.py at 2017-09-08 08:16:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 21.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 21.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 21.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 20.230 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

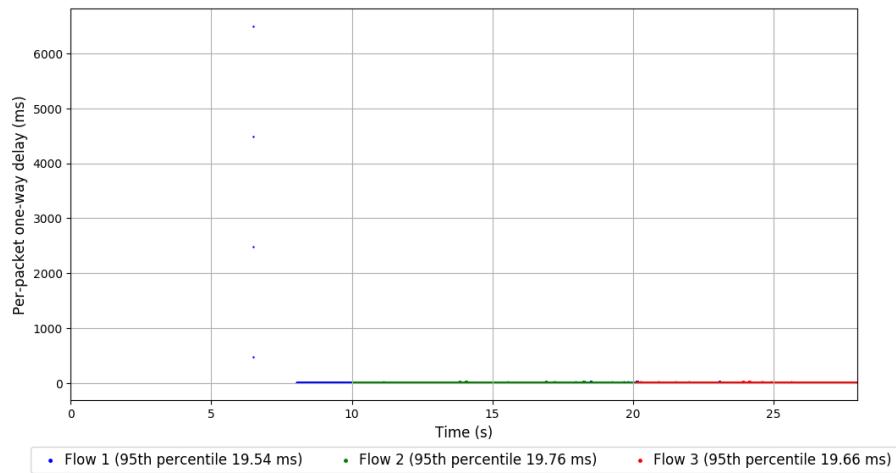
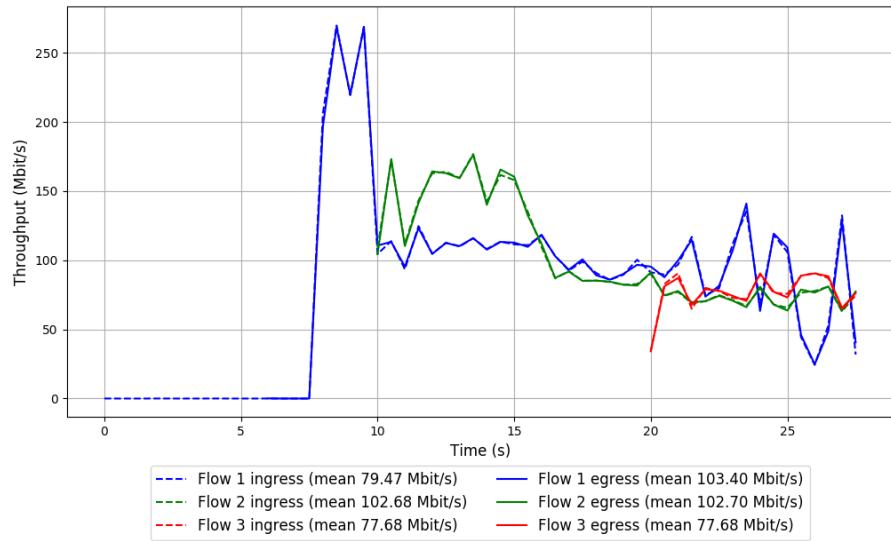
Start at: 2017-09-08 01:47:14

End at: 2017-09-08 01:47:44

Local clock offset: 0.743 ms

Remote clock offset: -1.418 ms

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

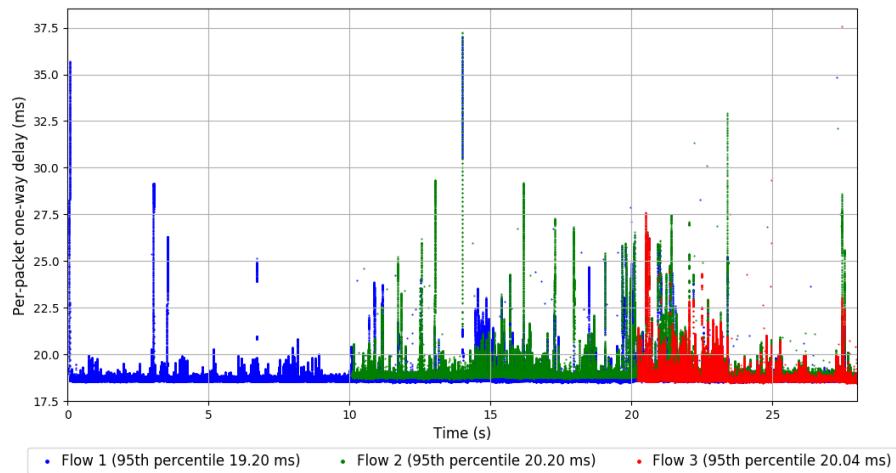
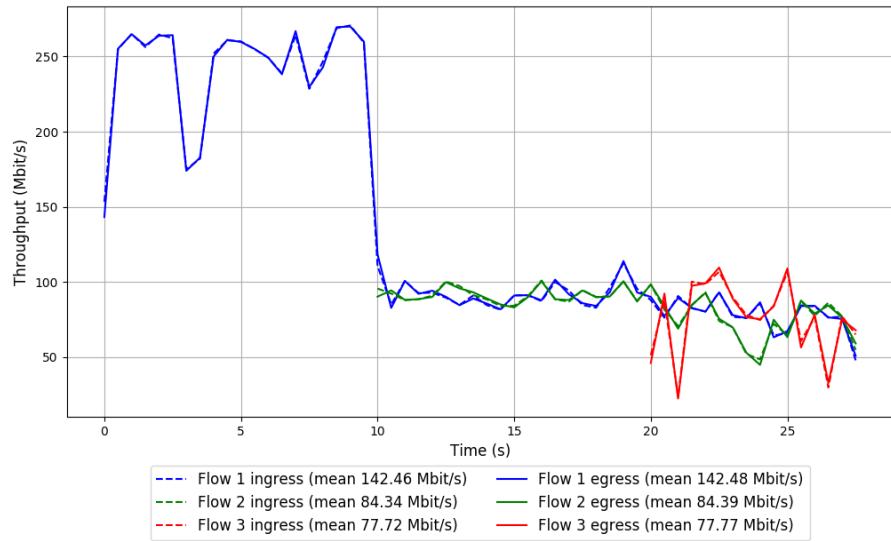


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-09-08 02:08:09
End at: 2017-09-08 02:08:39
Local clock offset: 0.782 ms
Remote clock offset: -1.479 ms

# Below is generated by plot.py at 2017-09-08 08:17:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.19 Mbit/s
95th percentile per-packet one-way delay: 19.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.48 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 20.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.00%
```

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

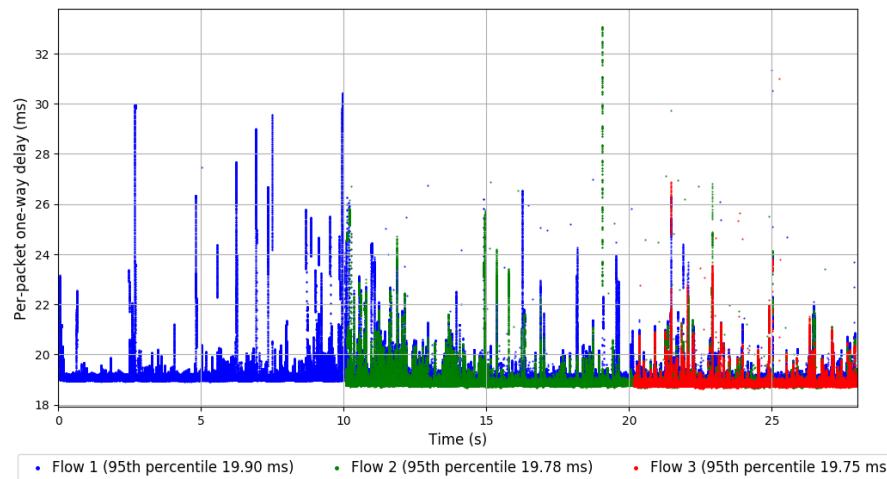
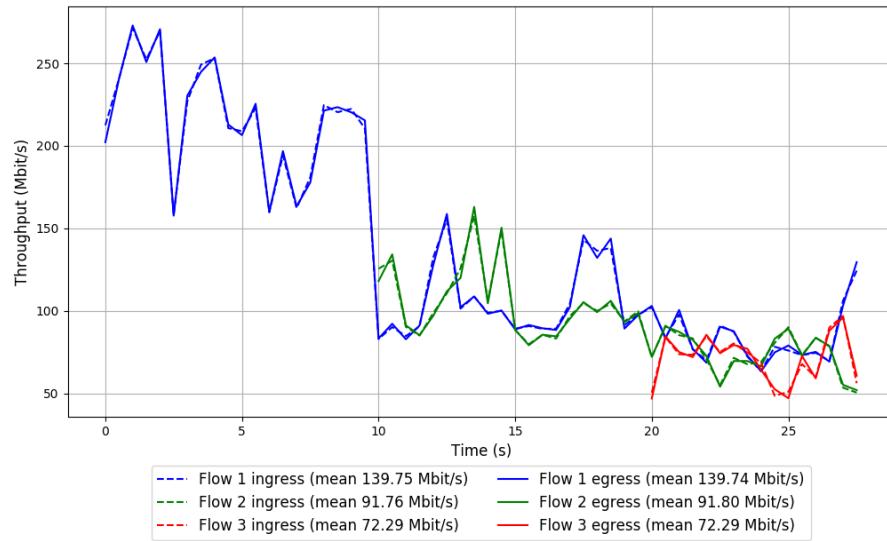


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-08 02:29:03
End at: 2017-09-08 02:29:33
Local clock offset: 0.547 ms
Remote clock offset: -1.992 ms

# Below is generated by plot.py at 2017-09-08 08:17:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.93 Mbit/s
95th percentile per-packet one-way delay: 19.842 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 139.74 Mbit/s
95th percentile per-packet one-way delay: 19.897 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 19.780 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 19.748 ms
Loss rate: 0.00%
```

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

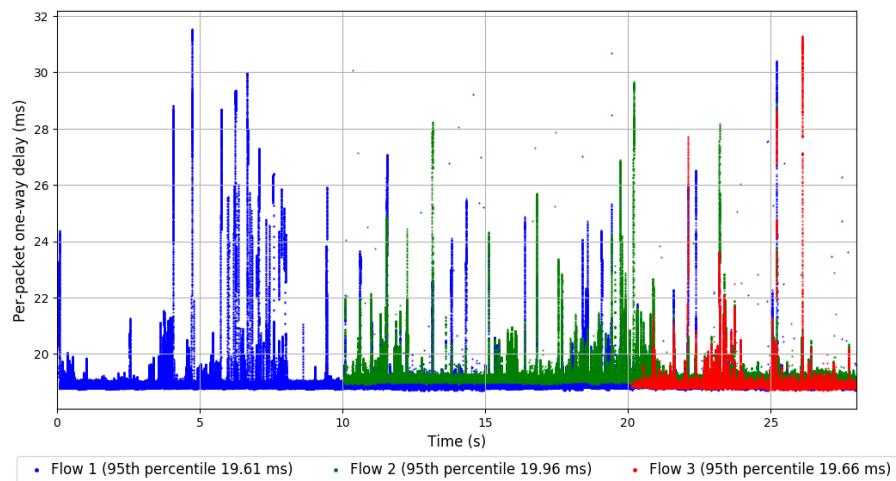
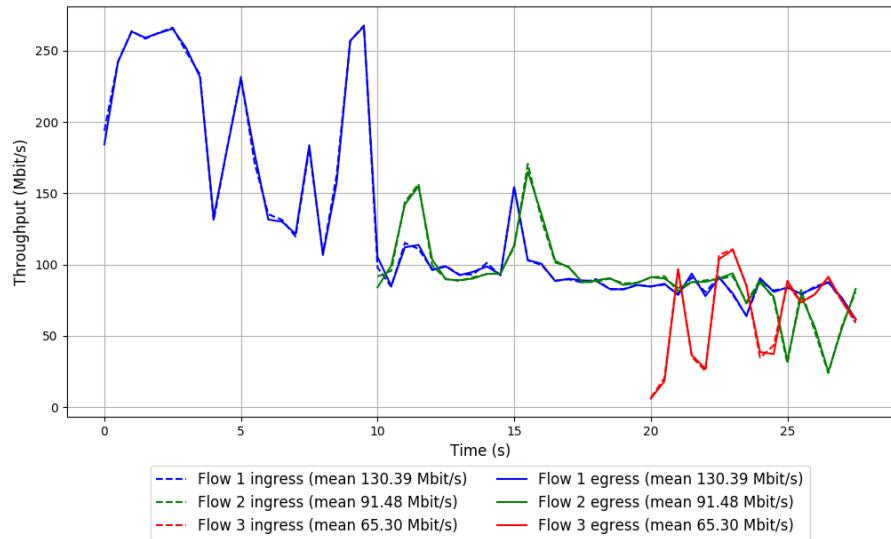


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-08 02:50:12
End at: 2017-09-08 02:50:42
Local clock offset: 0.481 ms
Remote clock offset: -1.754 ms

# Below is generated by plot.py at 2017-09-08 08:18:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.39 Mbit/s
95th percentile per-packet one-way delay: 19.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 19.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 19.659 ms
Loss rate: 0.00%
```

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

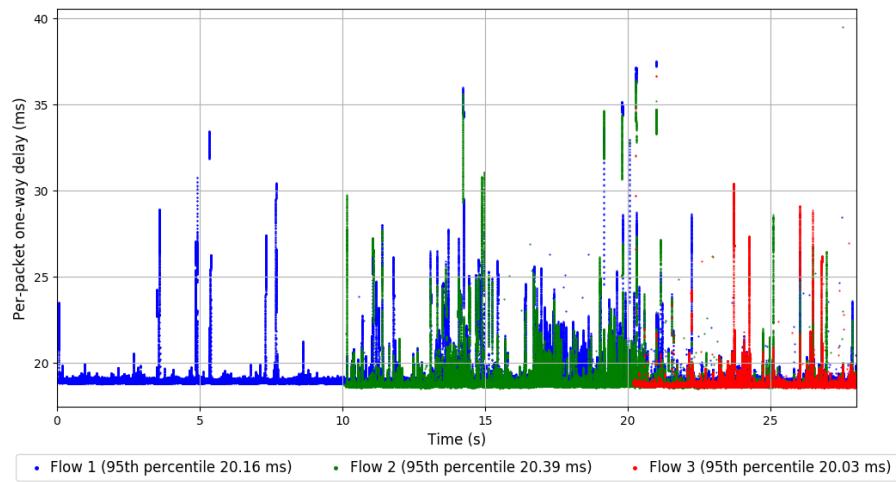
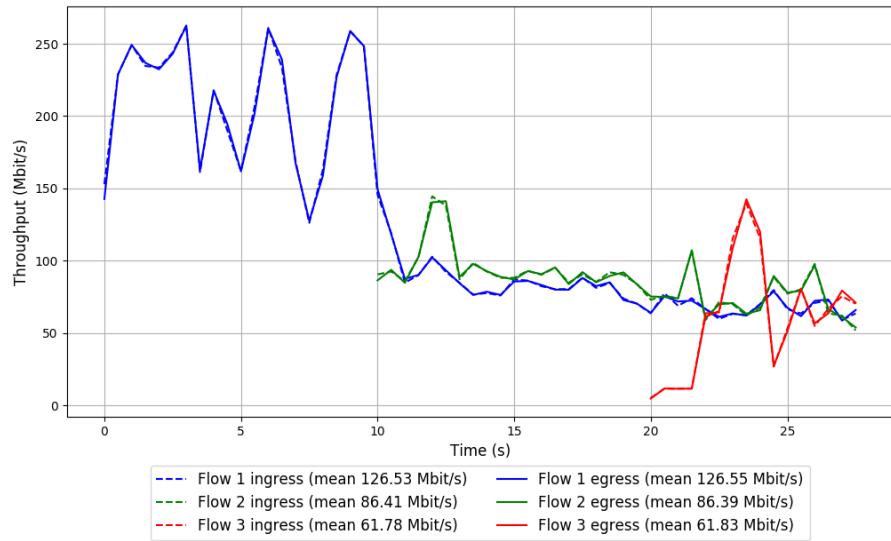


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-08 03:11:07
End at: 2017-09-08 03:11:37
Local clock offset: 0.458 ms
Remote clock offset: -1.833 ms

# Below is generated by plot.py at 2017-09-08 08:18:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.15 Mbit/s
95th percentile per-packet one-way delay: 20.216 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 126.55 Mbit/s
95th percentile per-packet one-way delay: 20.161 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 20.387 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.01%
```

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

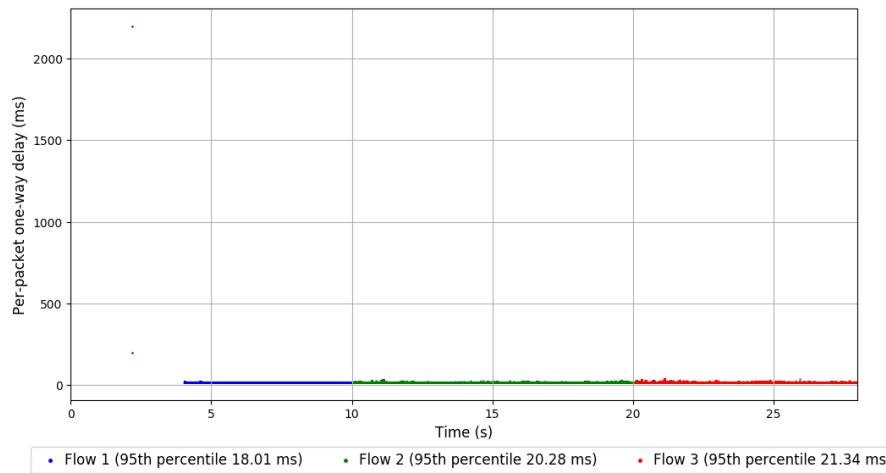
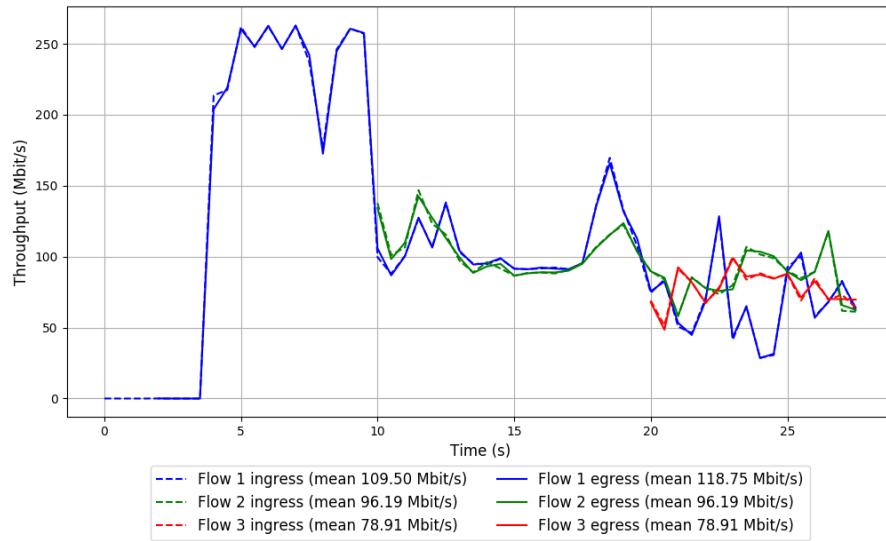


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-08 03:32:14
End at: 2017-09-08 03:32:44
Local clock offset: 0.307 ms
Remote clock offset: -1.396 ms

# Below is generated by plot.py at 2017-09-08 08:18:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 209.85 Mbit/s
95th percentile per-packet one-way delay: 19.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.75 Mbit/s
95th percentile per-packet one-way delay: 18.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 20.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 21.339 ms
Loss rate: 0.01%
```

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

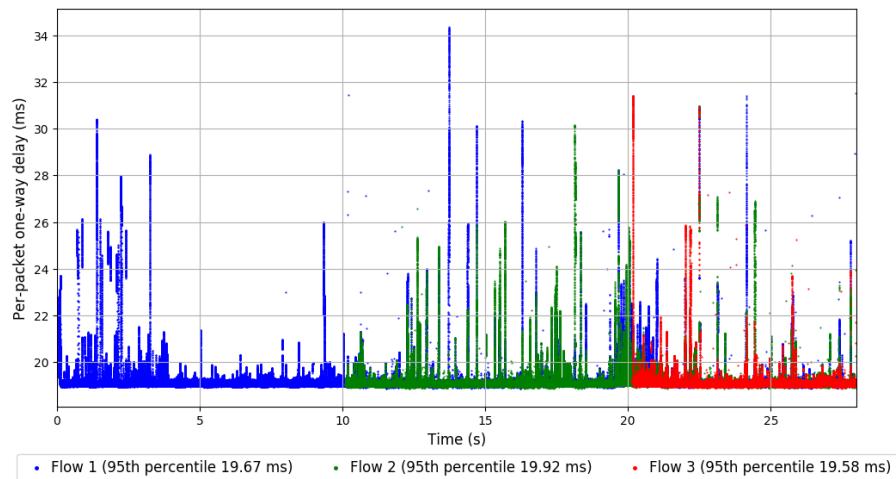
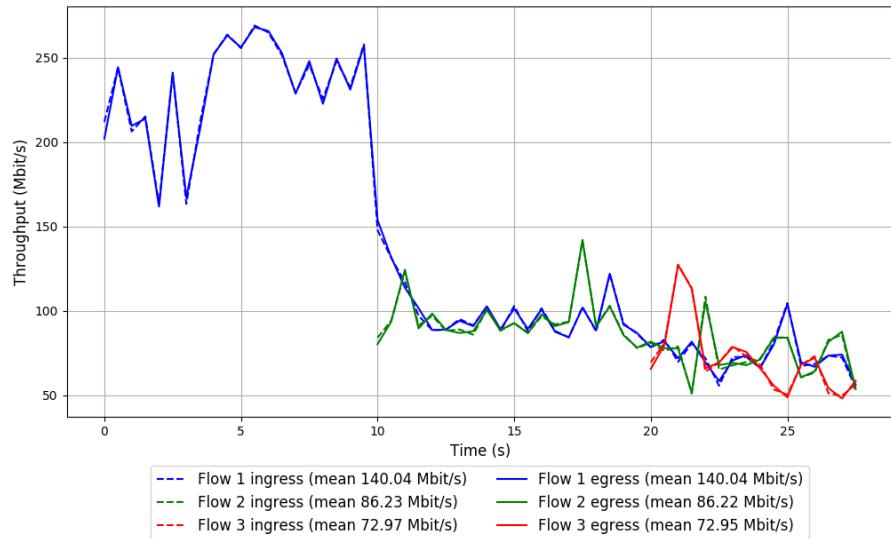


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-08 03:53:15
End at: 2017-09-08 03:53:45
Local clock offset: 0.205 ms
Remote clock offset: -1.65 ms

# Below is generated by plot.py at 2017-09-08 08:19:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 215.74 Mbit/s
95th percentile per-packet one-way delay: 19.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.04 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.95 Mbit/s
95th percentile per-packet one-way delay: 19.579 ms
Loss rate: 0.01%
```

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

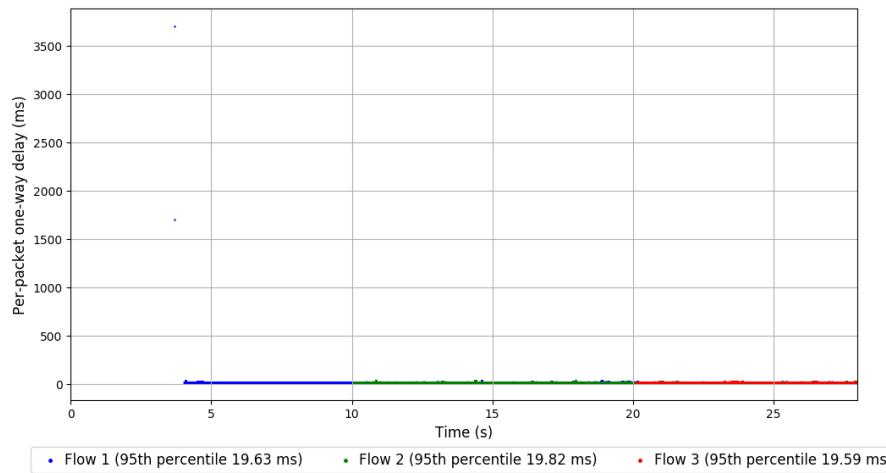
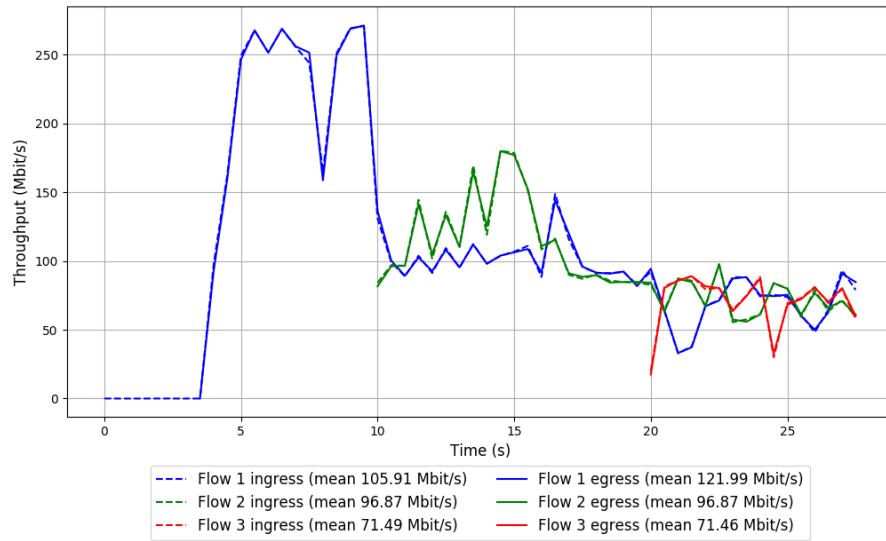


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-08 04:14:07
End at: 2017-09-08 04:14:37
Local clock offset: 0.065 ms
Remote clock offset: -1.579 ms

# Below is generated by plot.py at 2017-09-08 08:19:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 216.59 Mbit/s
95th percentile per-packet one-way delay: 19.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.99 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 19.815 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.00%
```

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

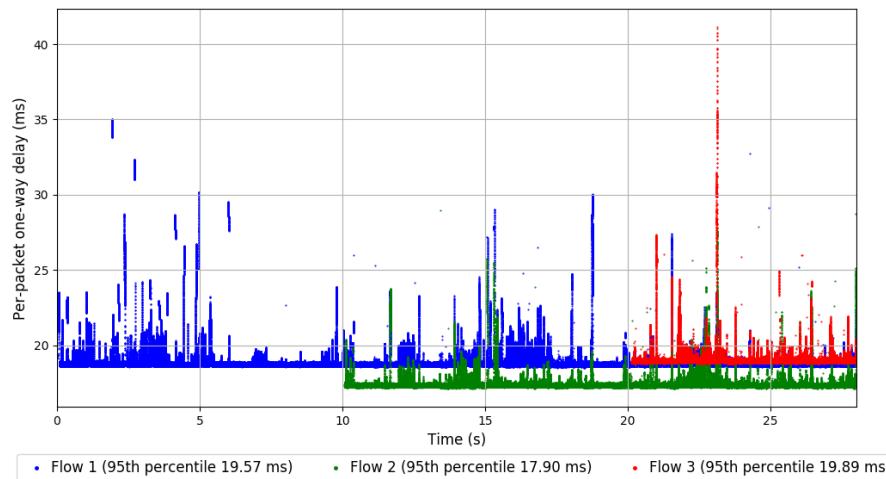
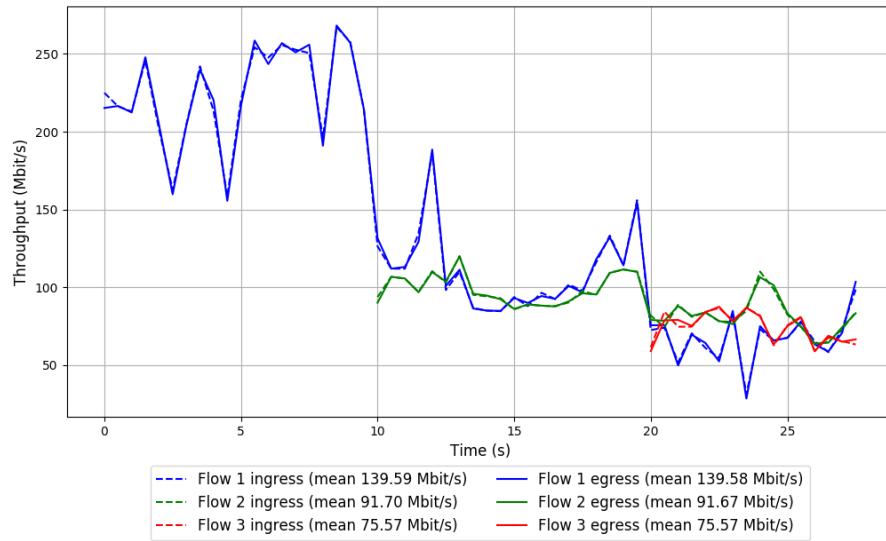


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-08 04:35:12
End at: 2017-09-08 04:35:42
Local clock offset: 0.115 ms
Remote clock offset: -1.608 ms

# Below is generated by plot.py at 2017-09-08 08:20:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.55 Mbit/s
95th percentile per-packet one-way delay: 19.393 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 139.58 Mbit/s
95th percentile per-packet one-way delay: 19.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 17.900 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 19.892 ms
Loss rate: 0.00%
```

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

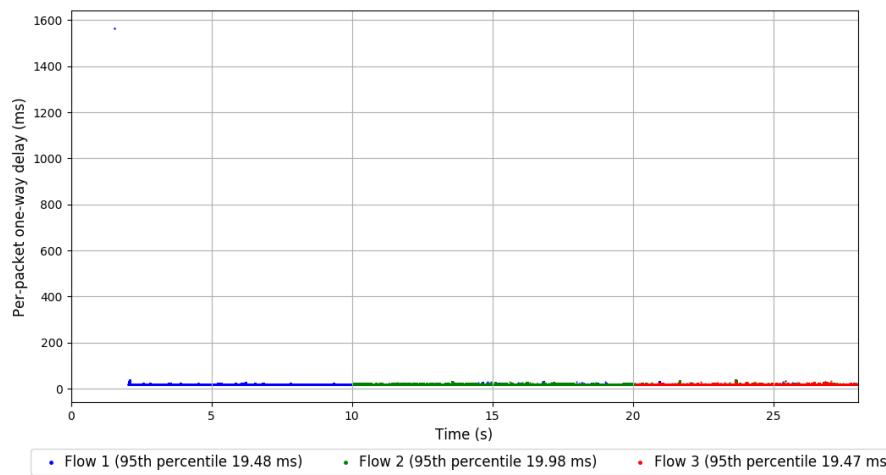
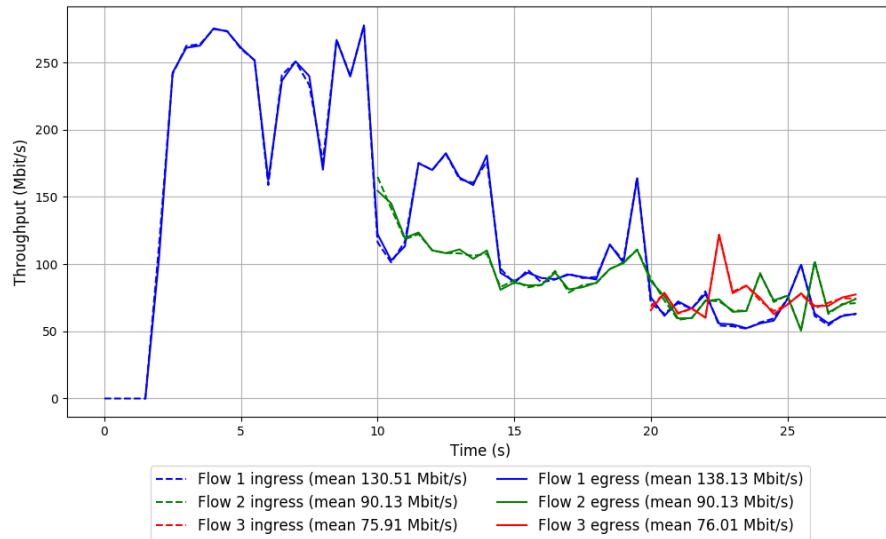


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-08 04:56:04
End at: 2017-09-08 04:56:34
Local clock offset: -0.114 ms
Remote clock offset: -1.741 ms

# Below is generated by plot.py at 2017-09-08 08:20:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.00 Mbit/s
95th percentile per-packet one-way delay: 19.617 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 138.13 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 19.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 19.468 ms
Loss rate: 0.00%
```

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

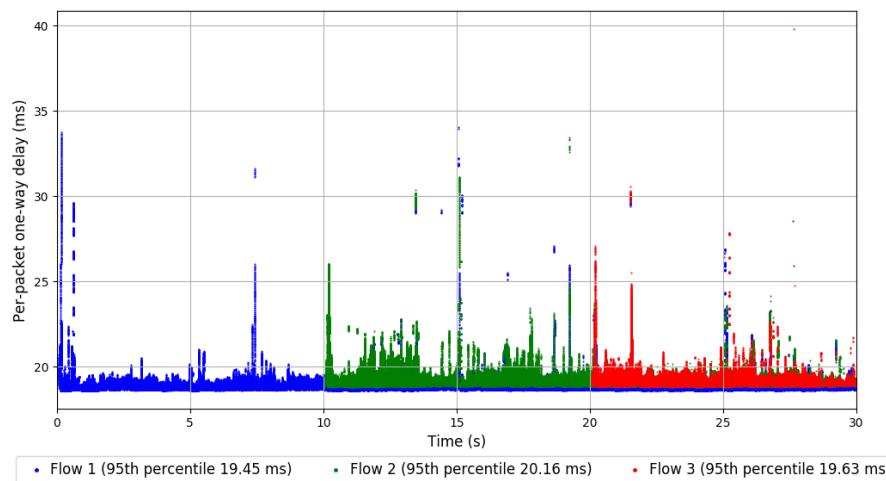
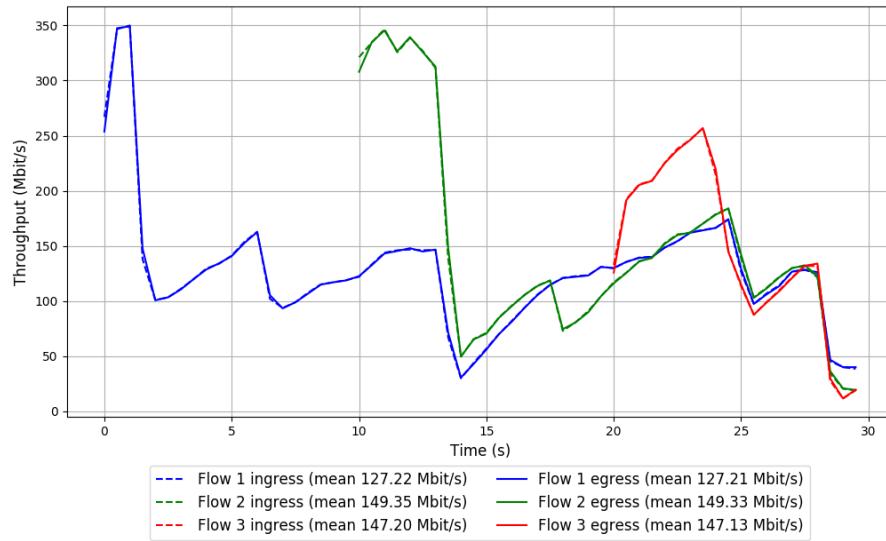


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-08 01:45:49
End at: 2017-09-08 01:46:19
Local clock offset: 0.836 ms
Remote clock offset: -1.499 ms

# Below is generated by plot.py at 2017-09-08 08:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 275.34 Mbit/s
95th percentile per-packet one-way delay: 19.803 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 127.21 Mbit/s
95th percentile per-packet one-way delay: 19.451 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 149.33 Mbit/s
95th percentile per-packet one-way delay: 20.163 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 147.13 Mbit/s
95th percentile per-packet one-way delay: 19.628 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Vegas — Data Link

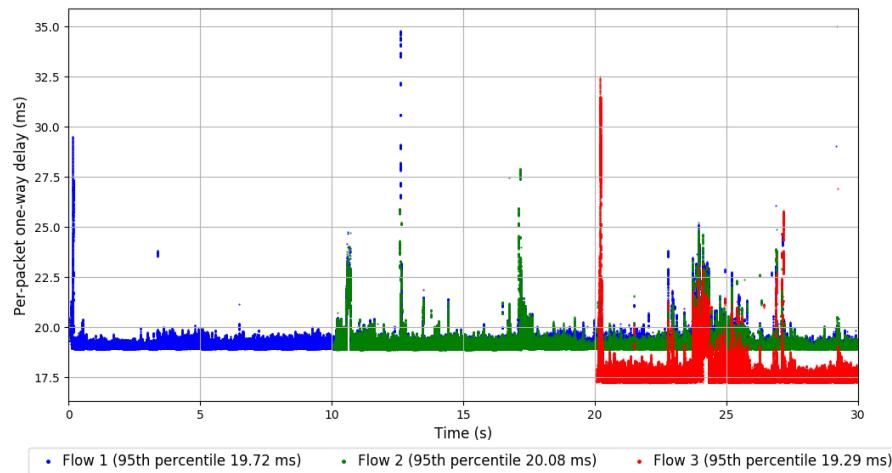
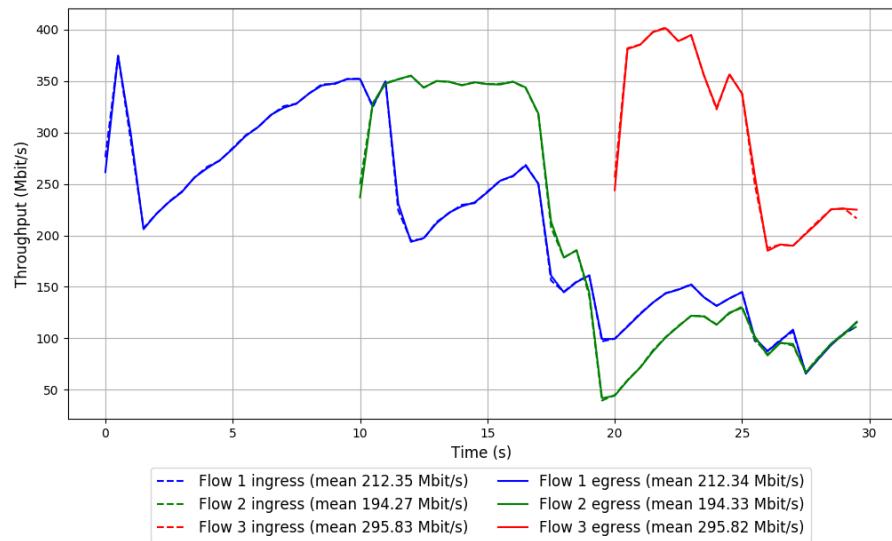


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-08 02:06:37
End at: 2017-09-08 02:07:07
Local clock offset: 0.695 ms
Remote clock offset: -1.445 ms

# Below is generated by plot.py at 2017-09-08 08:21:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 439.79 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.34 Mbit/s
95th percentile per-packet one-way delay: 19.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.33 Mbit/s
95th percentile per-packet one-way delay: 20.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 295.82 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

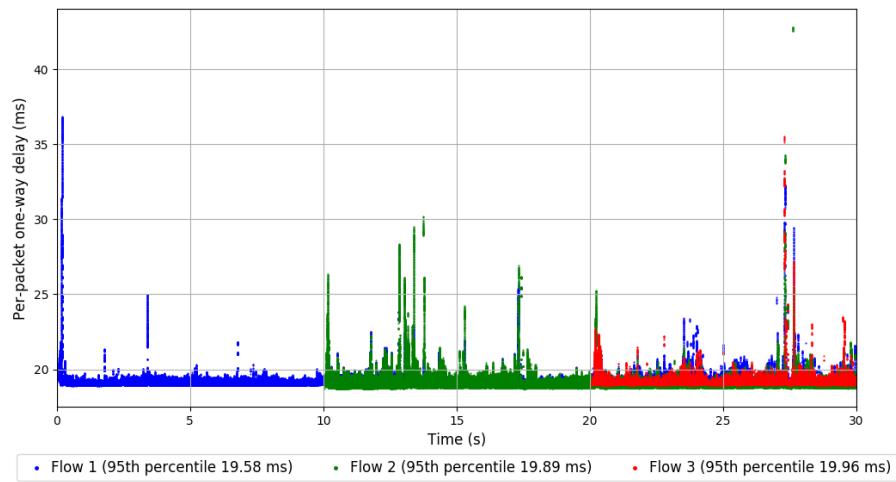
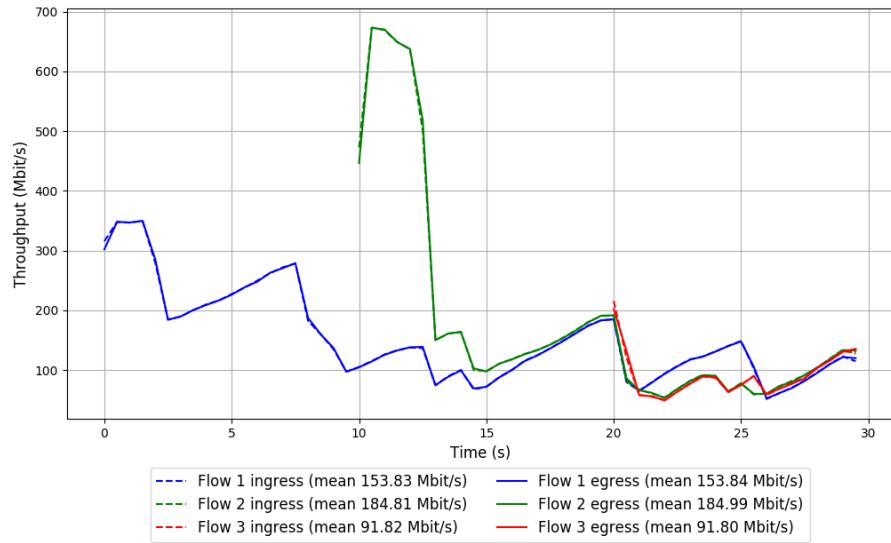


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-08 02:27:36
End at: 2017-09-08 02:28:06
Local clock offset: 0.529 ms
Remote clock offset: -2.021 ms

# Below is generated by plot.py at 2017-09-08 08:21:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 307.36 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 153.84 Mbit/s
95th percentile per-packet one-way delay: 19.577 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.99 Mbit/s
95th percentile per-packet one-way delay: 19.885 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 19.957 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

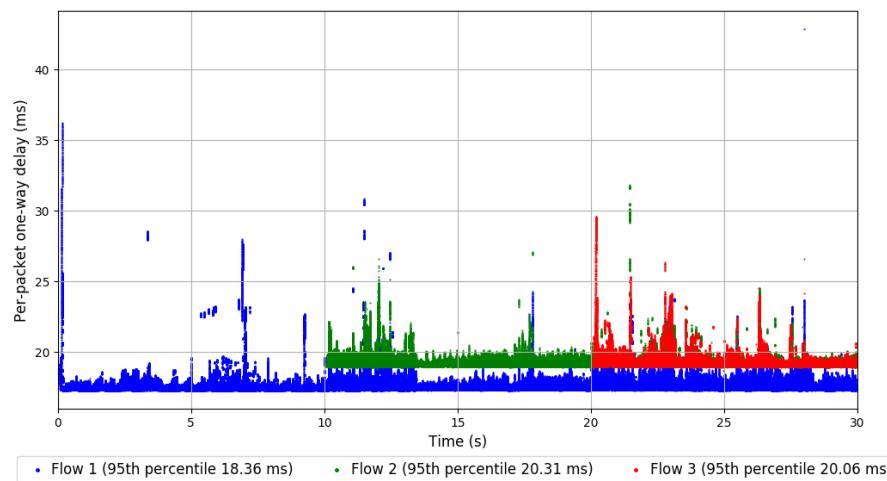
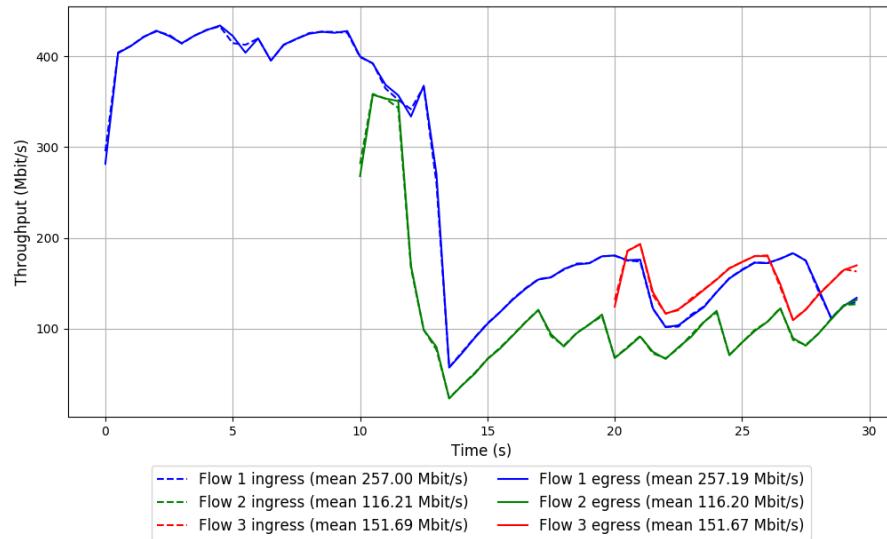


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-08 02:48:42
End at: 2017-09-08 02:49:12
Local clock offset: 0.561 ms
Remote clock offset: -1.76 ms

# Below is generated by plot.py at 2017-09-08 08:22:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.78 Mbit/s
95th percentile per-packet one-way delay: 19.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.19 Mbit/s
95th percentile per-packet one-way delay: 18.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.20 Mbit/s
95th percentile per-packet one-way delay: 20.309 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 151.67 Mbit/s
95th percentile per-packet one-way delay: 20.063 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

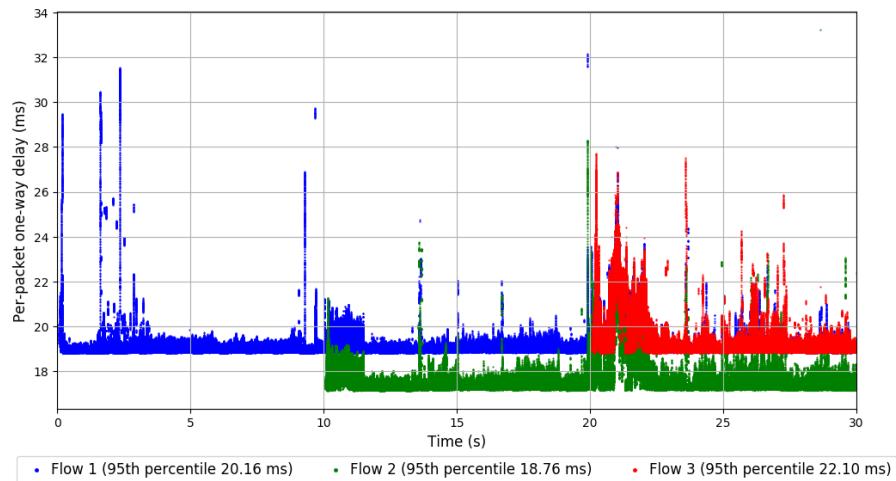
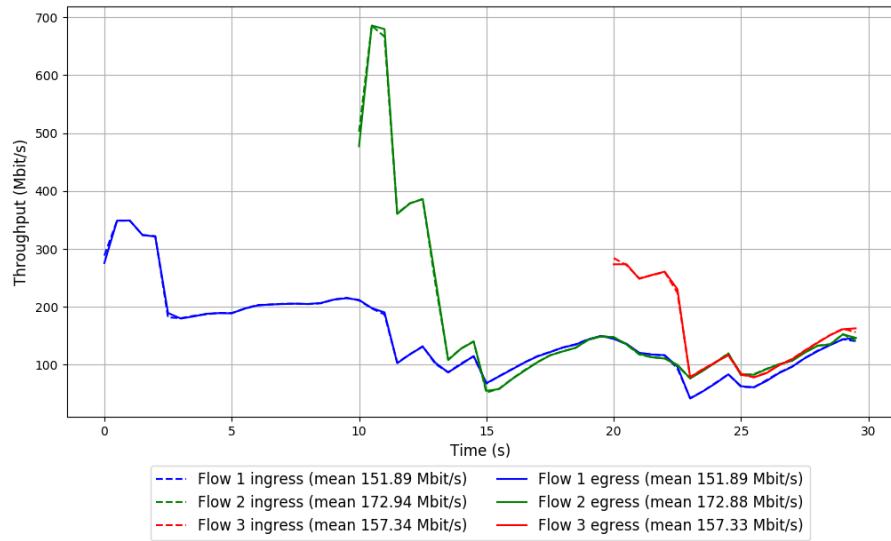


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:09:40
End at: 2017-09-08 03:10:10
Local clock offset: 0.498 ms
Remote clock offset: -1.815 ms

# Below is generated by plot.py at 2017-09-08 08:22:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.14 Mbit/s
95th percentile per-packet one-way delay: 20.543 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 151.89 Mbit/s
95th percentile per-packet one-way delay: 20.162 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 172.88 Mbit/s
95th percentile per-packet one-way delay: 18.761 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 157.33 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

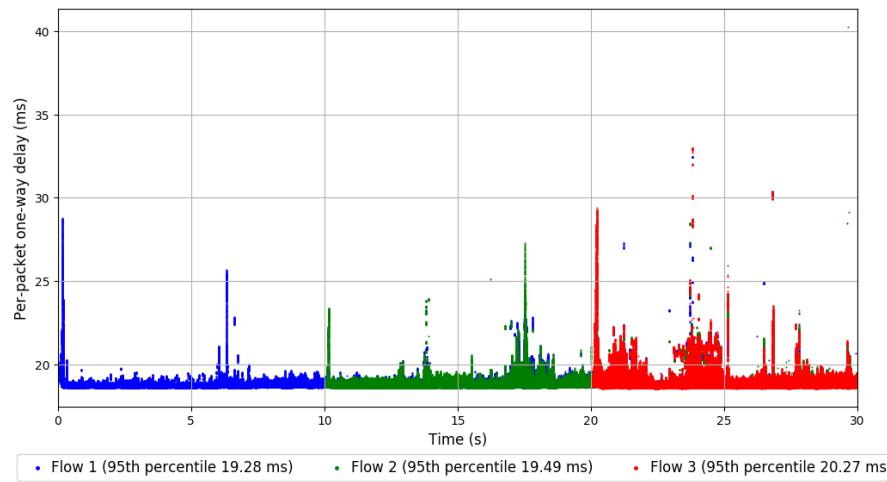
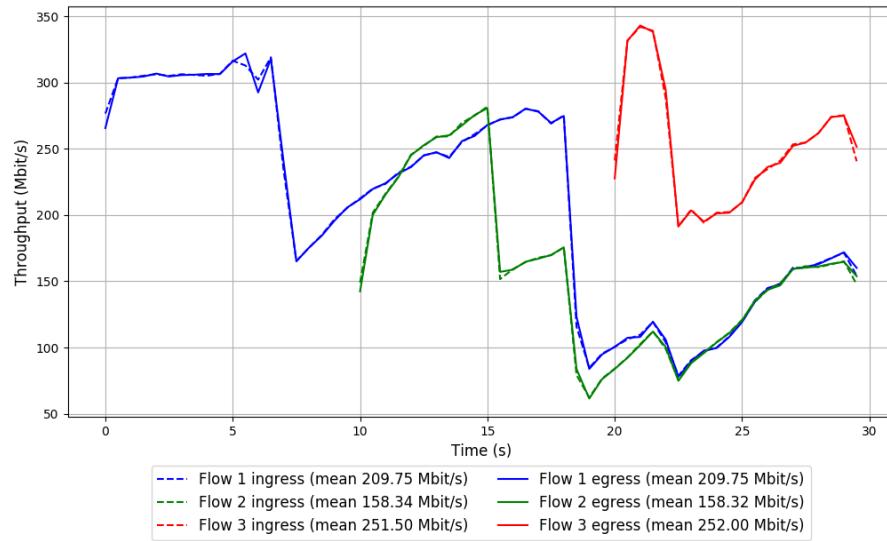


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:30:43
End at: 2017-09-08 03:31:13
Local clock offset: 0.395 ms
Remote clock offset: -1.533 ms

# Below is generated by plot.py at 2017-09-08 08:23:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.78 Mbit/s
95th percentile per-packet one-way delay: 19.522 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 209.75 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 158.32 Mbit/s
95th percentile per-packet one-way delay: 19.486 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 252.00 Mbit/s
95th percentile per-packet one-way delay: 20.272 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

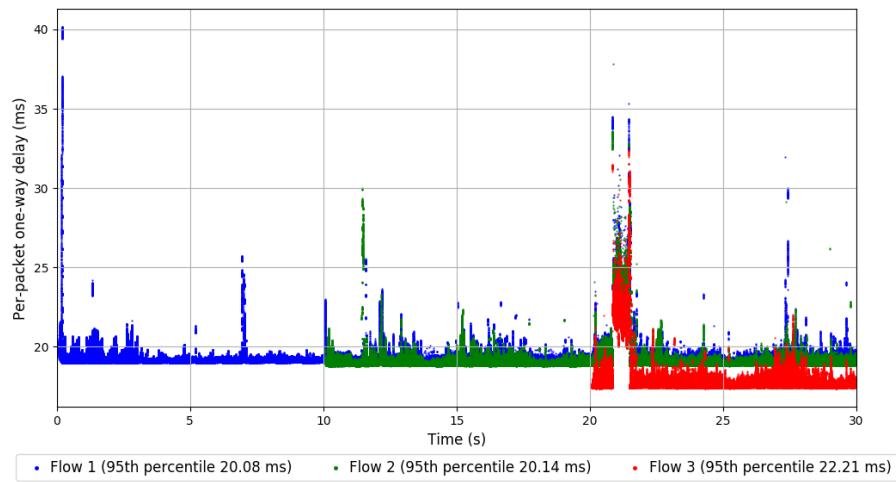
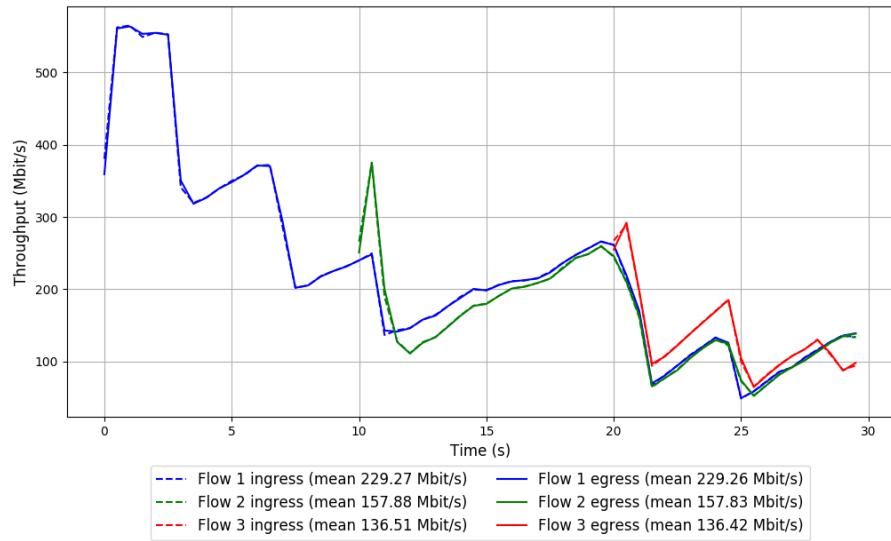


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:51:45
End at: 2017-09-08 03:52:15
Local clock offset: 0.149 ms
Remote clock offset: -1.657 ms

# Below is generated by plot.py at 2017-09-08 08:23:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.61 Mbit/s
95th percentile per-packet one-way delay: 20.237 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 229.26 Mbit/s
95th percentile per-packet one-way delay: 20.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 157.83 Mbit/s
95th percentile per-packet one-way delay: 20.137 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 136.42 Mbit/s
95th percentile per-packet one-way delay: 22.213 ms
Loss rate: 0.07%
```

Run 7: Report of TCP Vegas — Data Link

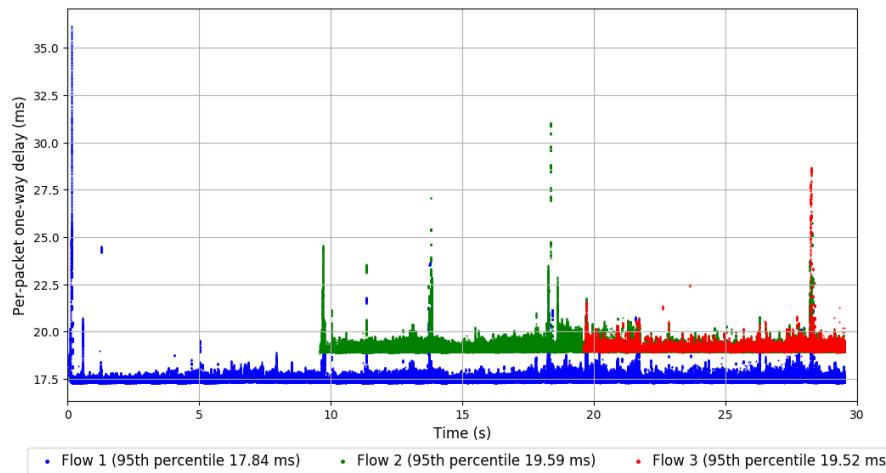
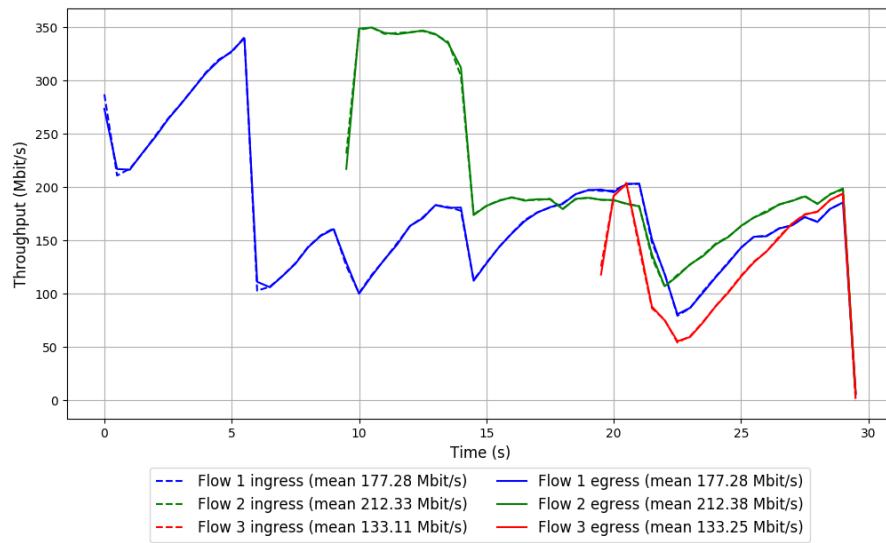


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-08 04:12:38
End at: 2017-09-08 04:13:08
Local clock offset: 0.151 ms
Remote clock offset: -1.527 ms

# Below is generated by plot.py at 2017-09-08 08:23:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.78 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 177.28 Mbit/s
95th percentile per-packet one-way delay: 17.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.38 Mbit/s
95th percentile per-packet one-way delay: 19.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.25 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

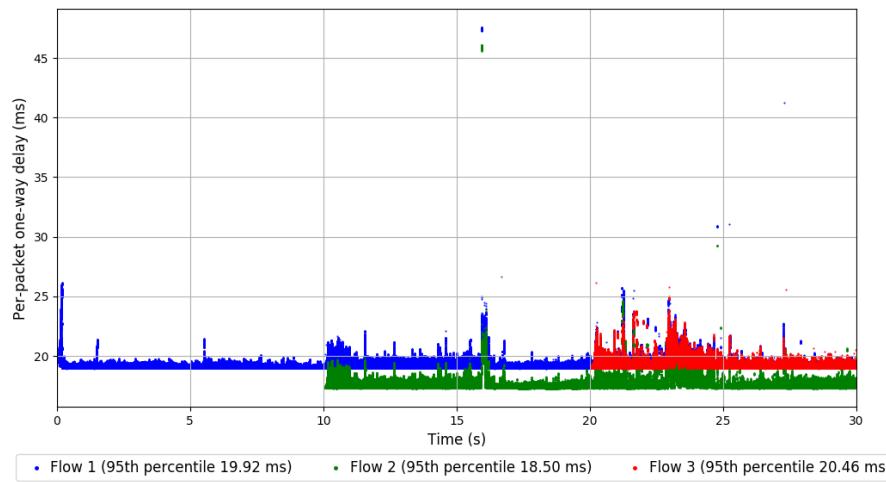
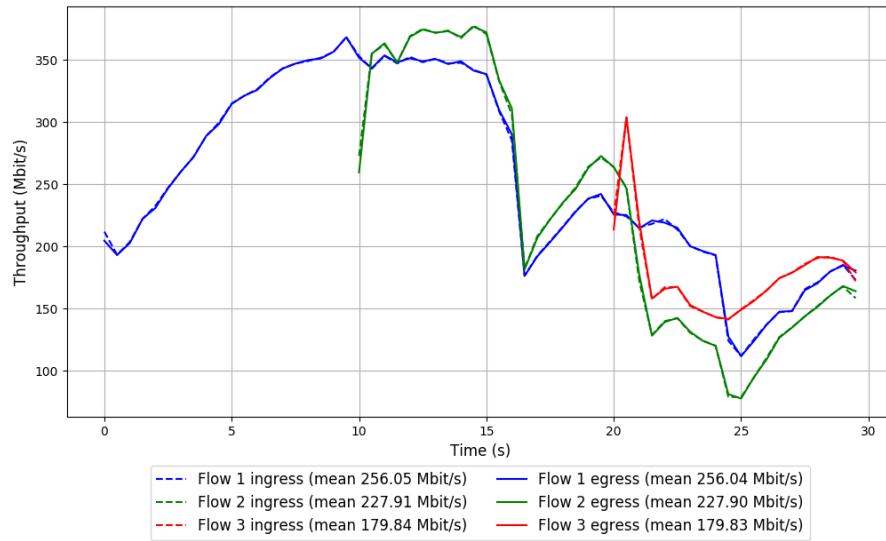


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-08 04:33:39
End at: 2017-09-08 04:34:09
Local clock offset: 0.131 ms
Remote clock offset: -1.536 ms

# Below is generated by plot.py at 2017-09-08 08:24:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.45 Mbit/s
95th percentile per-packet one-way delay: 19.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.04 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.90 Mbit/s
95th percentile per-packet one-way delay: 18.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.83 Mbit/s
95th percentile per-packet one-way delay: 20.462 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

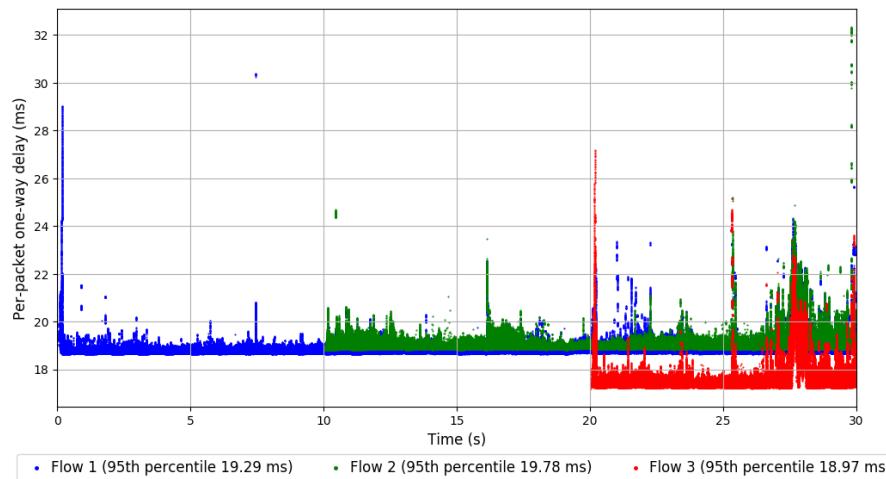
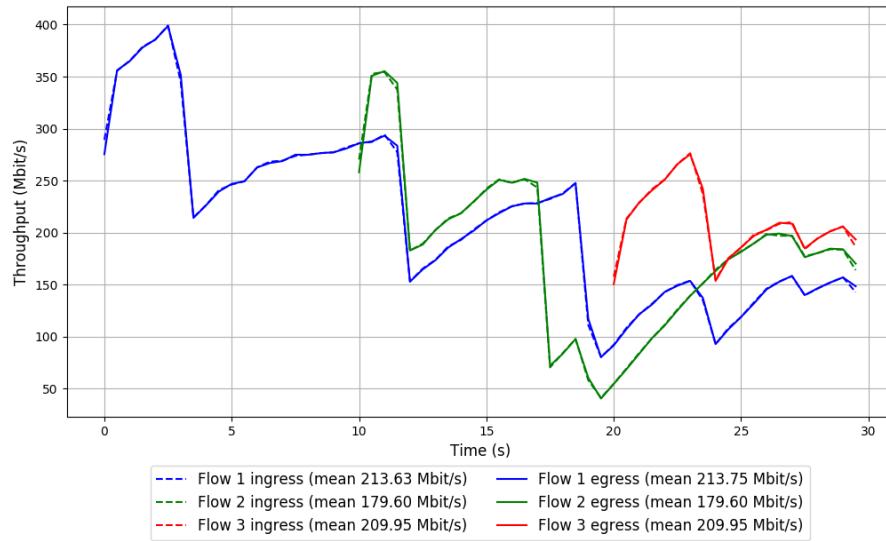


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-08 04:54:33
End at: 2017-09-08 04:55:03
Local clock offset: 0.029 ms
Remote clock offset: -1.653 ms

# Below is generated by plot.py at 2017-09-08 08:24:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.15 Mbit/s
95th percentile per-packet one-way delay: 19.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.75 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.60 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 209.95 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

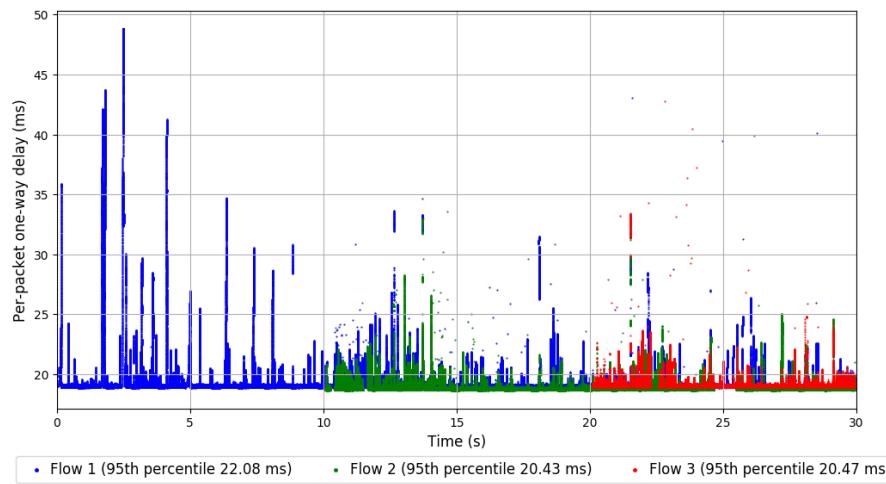
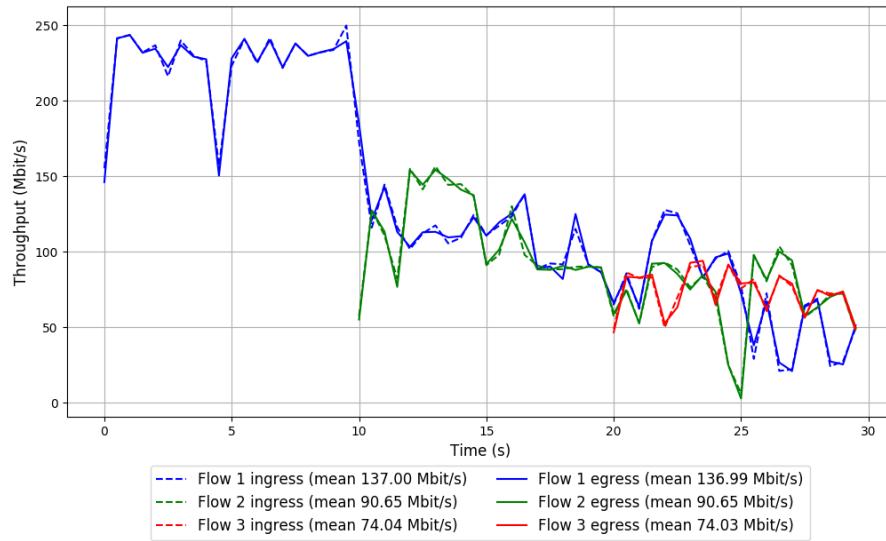


Run 1: Statistics of Verus

```
Start at: 2017-09-08 01:30:31
End at: 2017-09-08 01:31:01
Local clock offset: 0.842 ms
Remote clock offset: -1.464 ms

# Below is generated by plot.py at 2017-09-08 08:24:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.82 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 136.99 Mbit/s
95th percentile per-packet one-way delay: 22.080 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

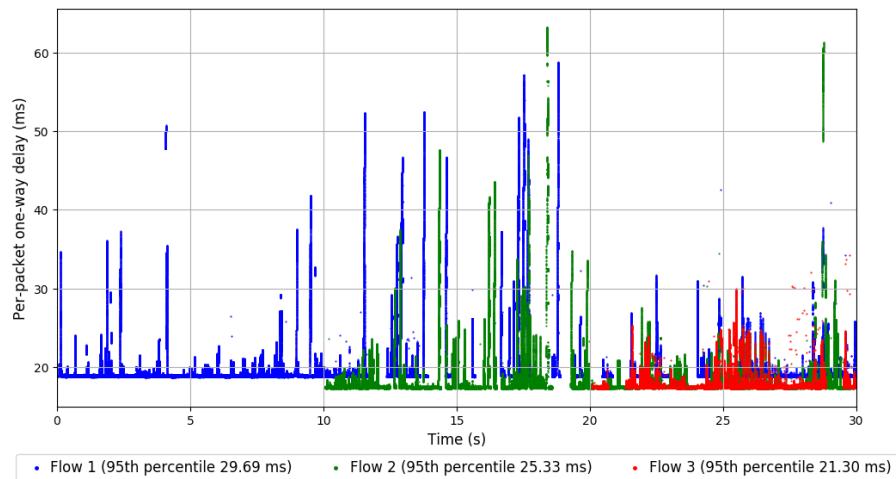
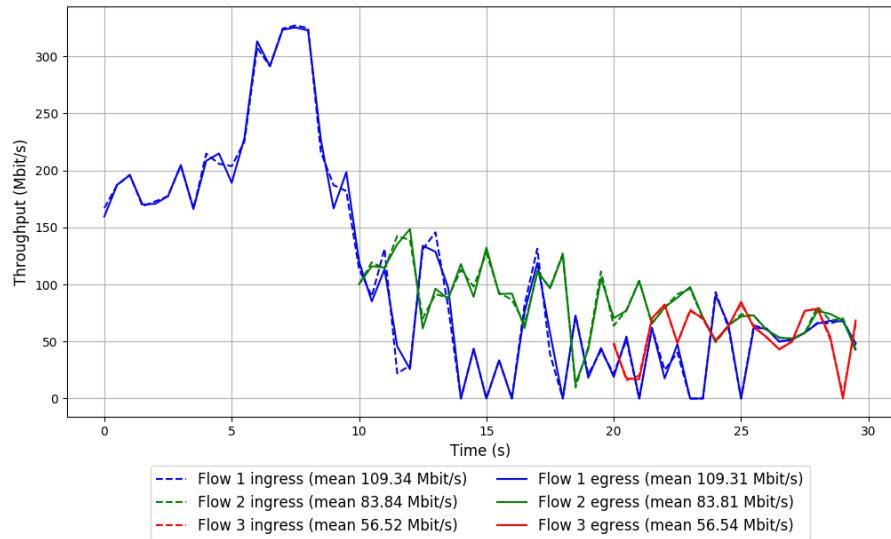


Run 2: Statistics of Verus

```
Start at: 2017-09-08 01:51:10
End at: 2017-09-08 01:51:40
Local clock offset: 0.71 ms
Remote clock offset: -1.443 ms

# Below is generated by plot.py at 2017-09-08 08:25:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.78 Mbit/s
95th percentile per-packet one-way delay: 26.717 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 109.31 Mbit/s
95th percentile per-packet one-way delay: 29.690 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 25.334 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 21.300 ms
Loss rate: 0.03%
```

Run 2: Report of Verus — Data Link

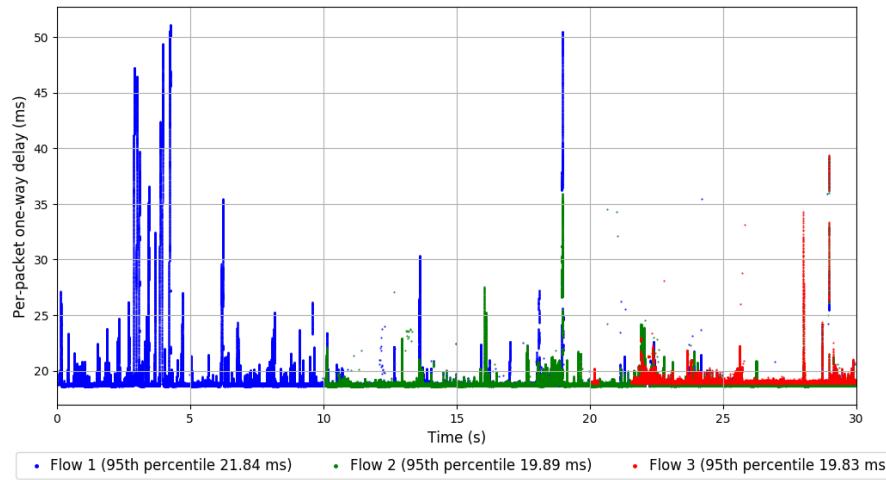
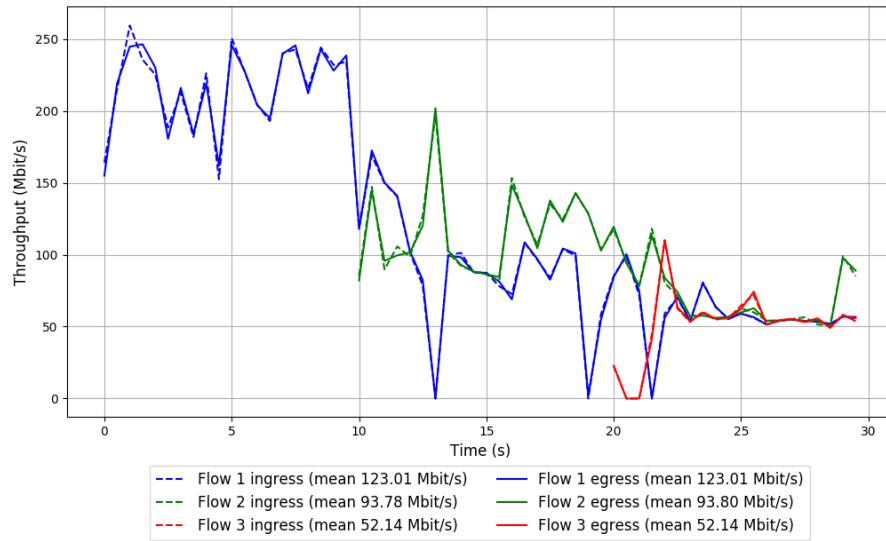


Run 3: Statistics of Verus

```
Start at: 2017-09-08 02:12:11
End at: 2017-09-08 02:12:41
Local clock offset: 0.742 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-09-08 08:25:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 202.68 Mbit/s
95th percentile per-packet one-way delay: 20.735 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 123.01 Mbit/s
95th percentile per-packet one-way delay: 21.844 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 19.893 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 52.14 Mbit/s
95th percentile per-packet one-way delay: 19.830 ms
Loss rate: 0.03%
```

Run 3: Report of Verus — Data Link

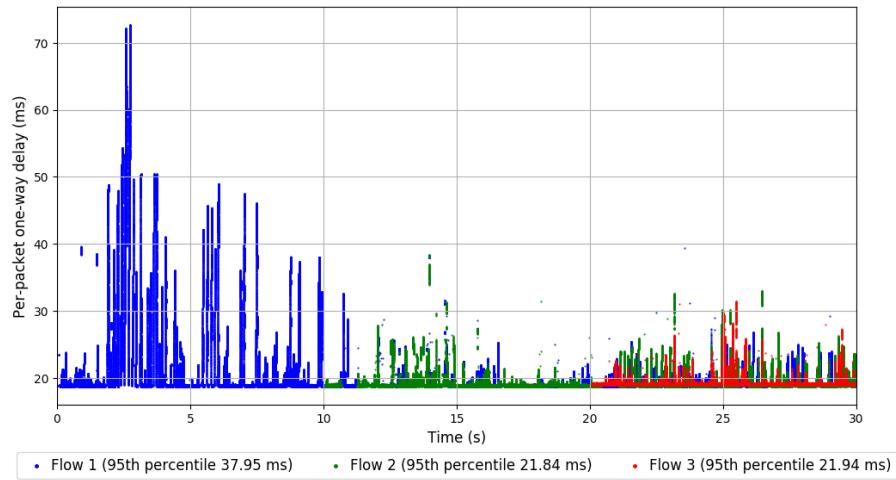
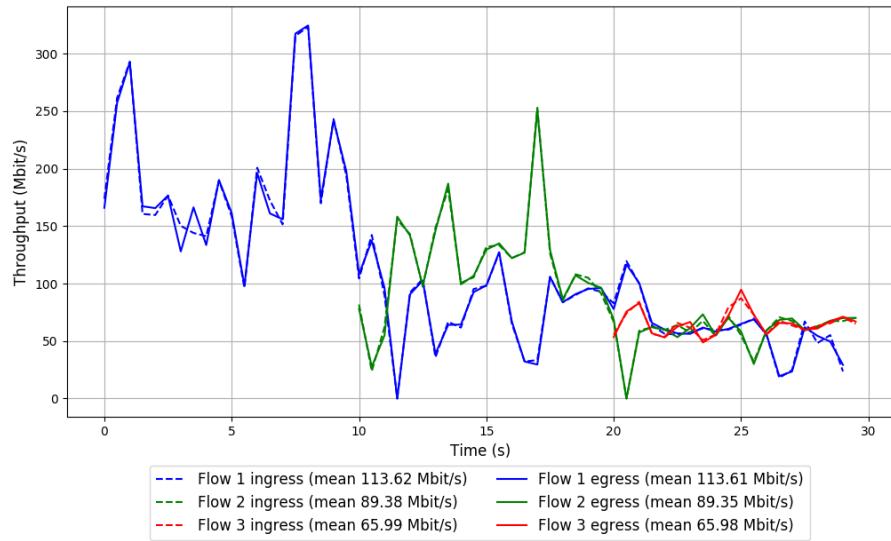


Run 4: Statistics of Verus

```
Start at: 2017-09-08 02:33:04
End at: 2017-09-08 02:33:34
Local clock offset: 0.519 ms
Remote clock offset: -1.956 ms

# Below is generated by plot.py at 2017-09-08 08:25:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.06 Mbit/s
95th percentile per-packet one-way delay: 30.816 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.61 Mbit/s
95th percentile per-packet one-way delay: 37.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 21.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.98 Mbit/s
95th percentile per-packet one-way delay: 21.938 ms
Loss rate: 0.03%
```

Run 4: Report of Verus — Data Link

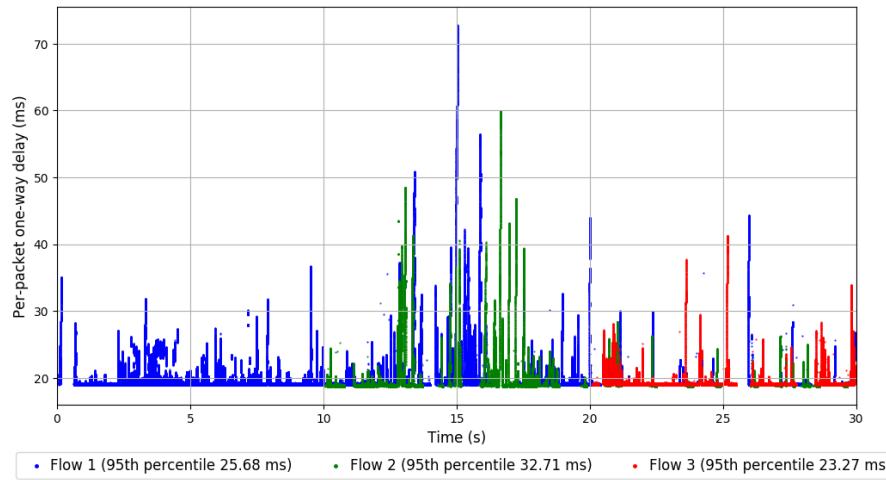
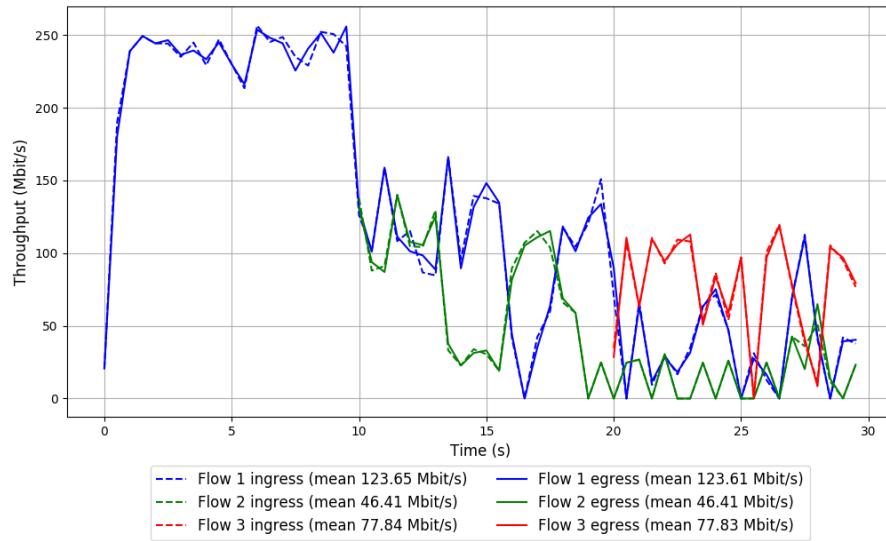


Run 5: Statistics of Verus

```
Start at: 2017-09-08 02:54:13
End at: 2017-09-08 02:54:43
Local clock offset: 0.55 ms
Remote clock offset: -1.711 ms

# Below is generated by plot.py at 2017-09-08 08:25:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 179.64 Mbit/s
95th percentile per-packet one-way delay: 26.343 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 123.61 Mbit/s
95th percentile per-packet one-way delay: 25.683 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 32.707 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 23.270 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

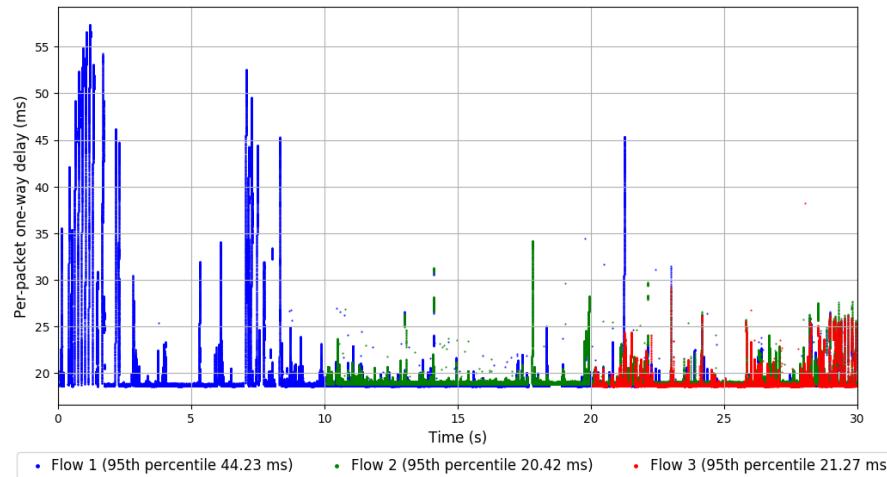
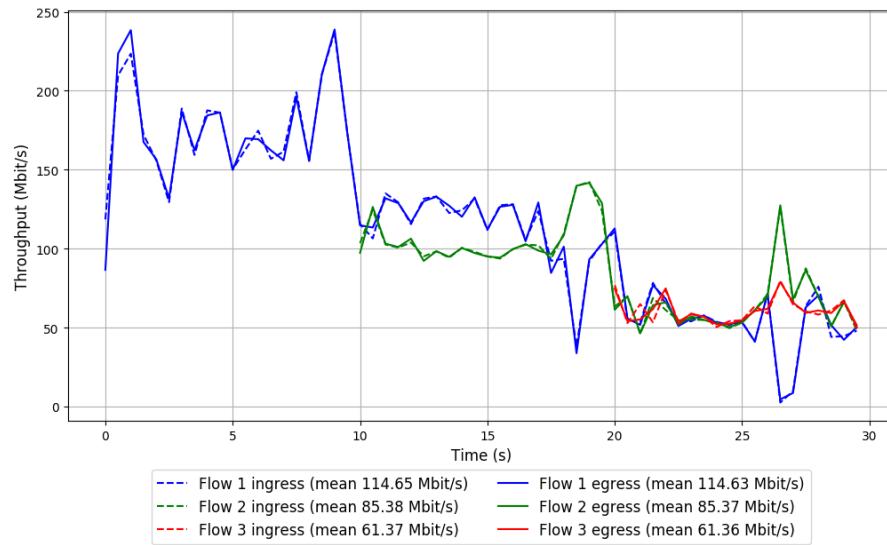


Run 6: Statistics of Verus

```
Start at: 2017-09-08 03:15:06
End at: 2017-09-08 03:15:36
Local clock offset: 0.455 ms
Remote clock offset: -1.82 ms

# Below is generated by plot.py at 2017-09-08 08:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.71 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 114.63 Mbit/s
95th percentile per-packet one-way delay: 44.225 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 20.423 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 21.275 ms
Loss rate: 0.01%
```

Run 6: Report of Verus — Data Link

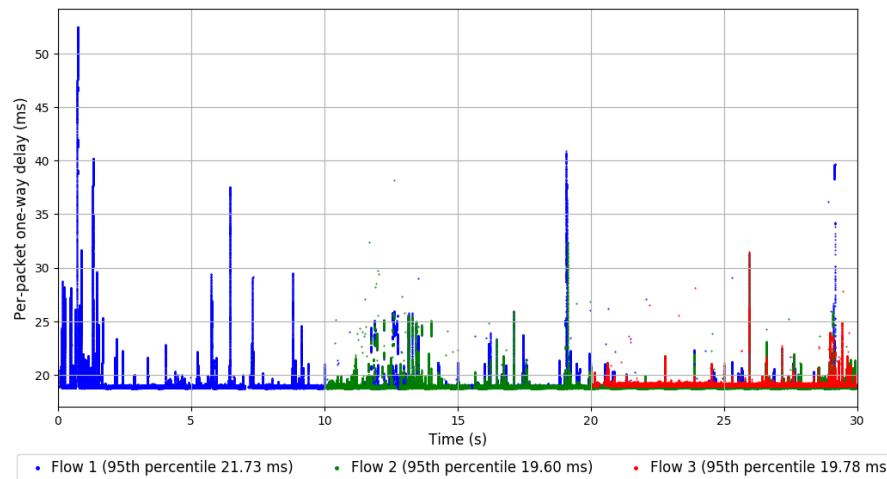
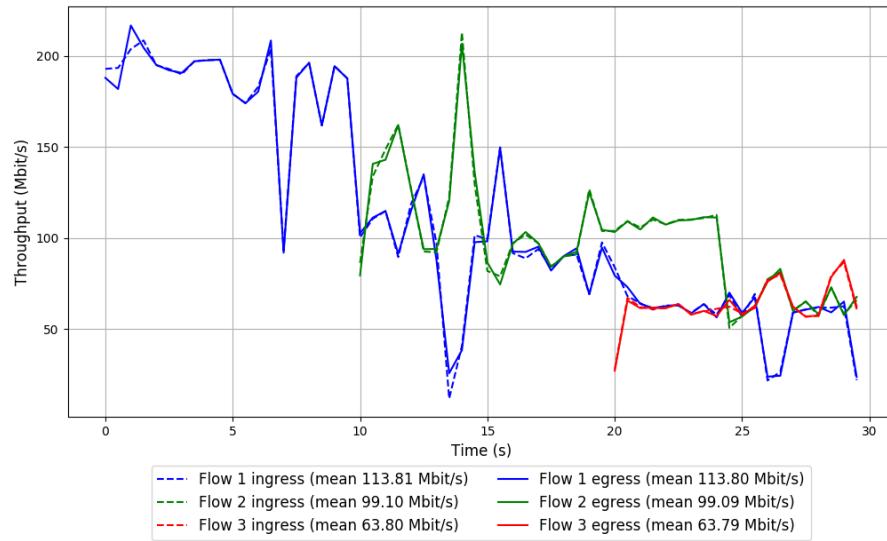


Run 7: Statistics of Verus

```
Start at: 2017-09-08 03:36:13
End at: 2017-09-08 03:36:43
Local clock offset: 0.287 ms
Remote clock offset: -1.372 ms

# Below is generated by plot.py at 2017-09-08 08:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.97 Mbit/s
95th percentile per-packet one-way delay: 20.631 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.80 Mbit/s
95th percentile per-packet one-way delay: 21.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.09 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.01%
```

Run 7: Report of Verus — Data Link

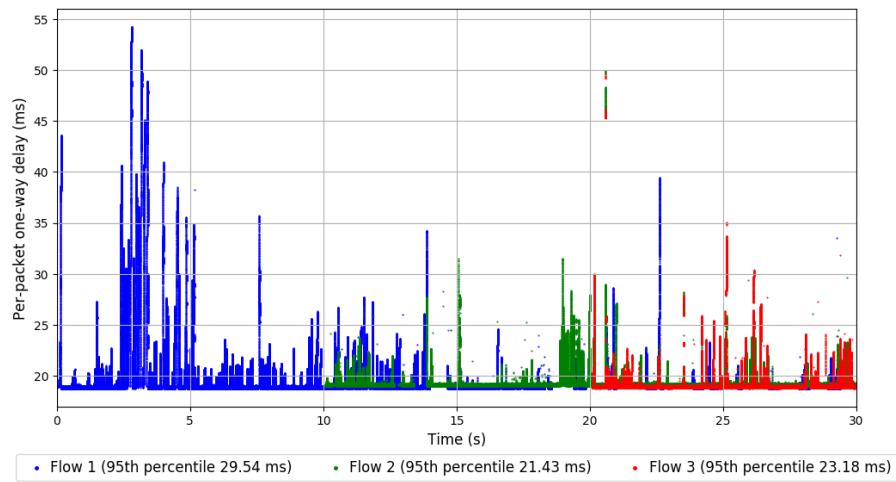
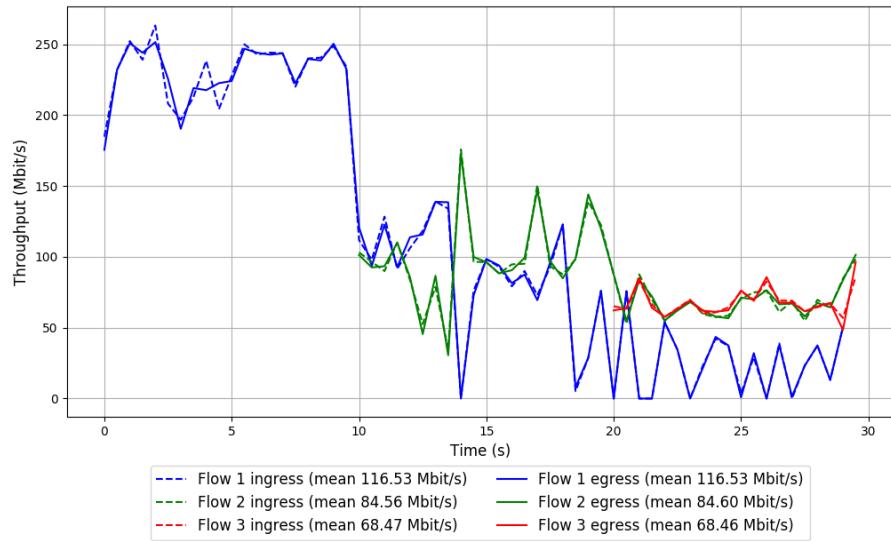


Run 8: Statistics of Verus

```
Start at: 2017-09-08 03:57:17
End at: 2017-09-08 03:57:47
Local clock offset: 0.151 ms
Remote clock offset: -1.792 ms

# Below is generated by plot.py at 2017-09-08 08:26:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 193.31 Mbit/s
95th percentile per-packet one-way delay: 25.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.53 Mbit/s
95th percentile per-packet one-way delay: 29.536 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 21.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 23.176 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

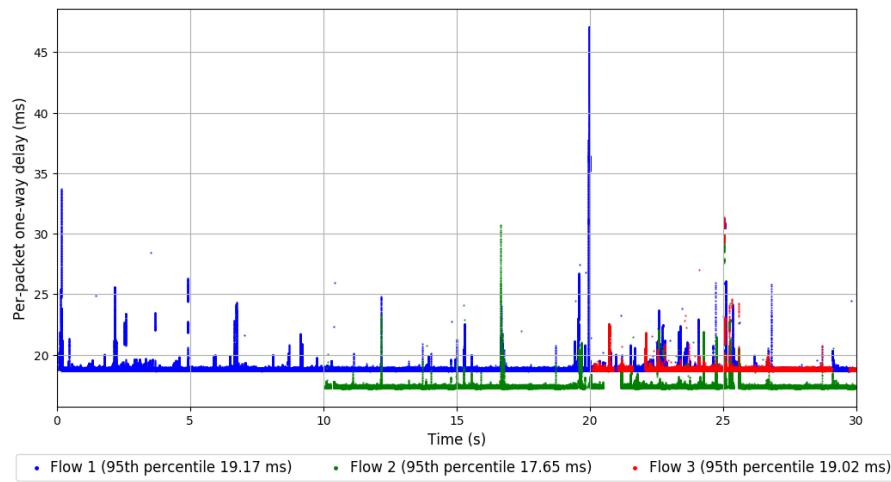
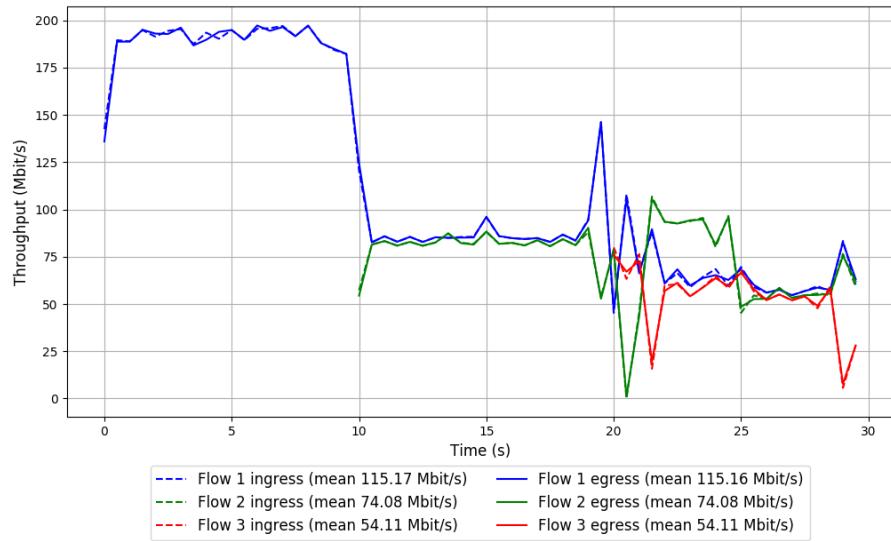


Run 9: Statistics of Verus

```
Start at: 2017-09-08 04:18:05
End at: 2017-09-08 04:18:35
Local clock offset: 0.149 ms
Remote clock offset: -1.593 ms

# Below is generated by plot.py at 2017-09-08 08:26:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.34 Mbit/s
95th percentile per-packet one-way delay: 18.999 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 115.16 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.08 Mbit/s
95th percentile per-packet one-way delay: 17.649 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

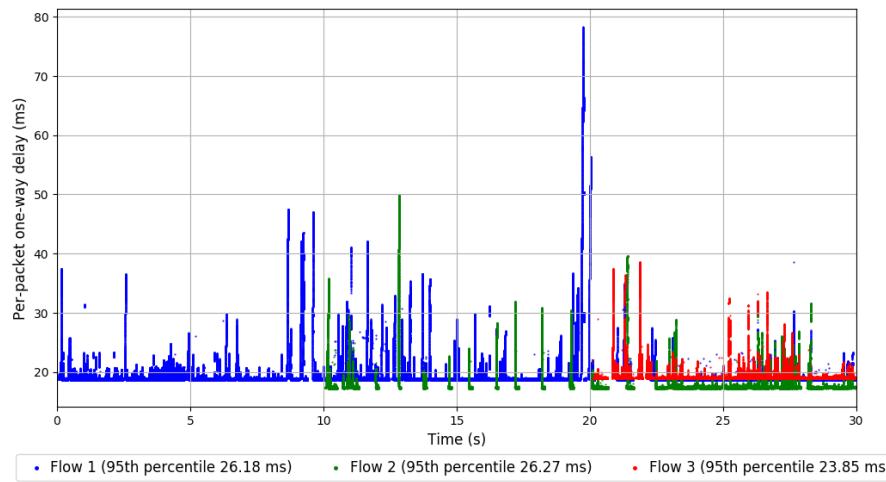
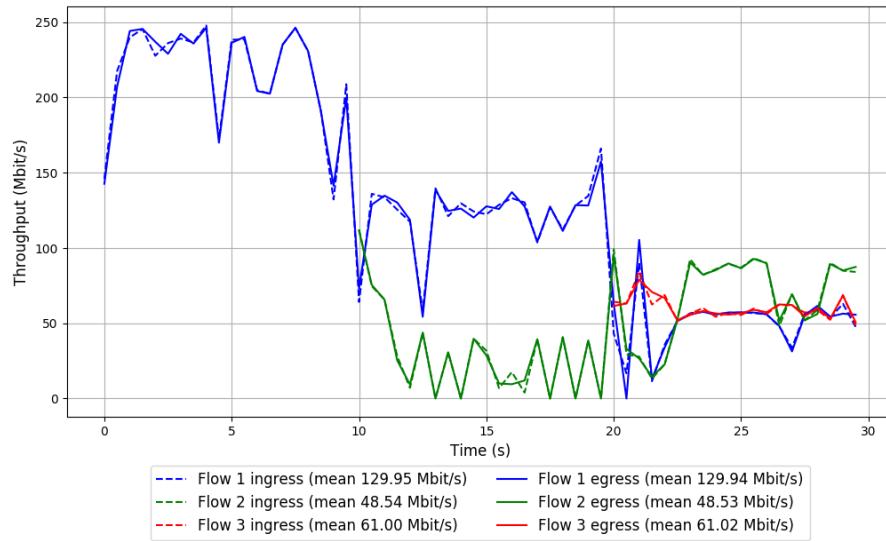


Run 10: Statistics of Verus

```
Start at: 2017-09-08 04:39:14
End at: 2017-09-08 04:39:44
Local clock offset: 0.126 ms
Remote clock offset: -1.554 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.33 Mbit/s
95th percentile per-packet one-way delay: 25.988 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 129.94 Mbit/s
95th percentile per-packet one-way delay: 26.178 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 26.272 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 23.850 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

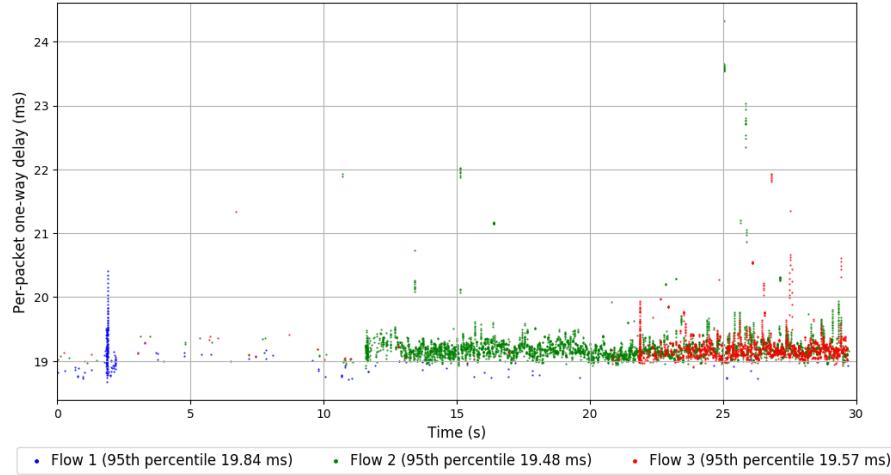
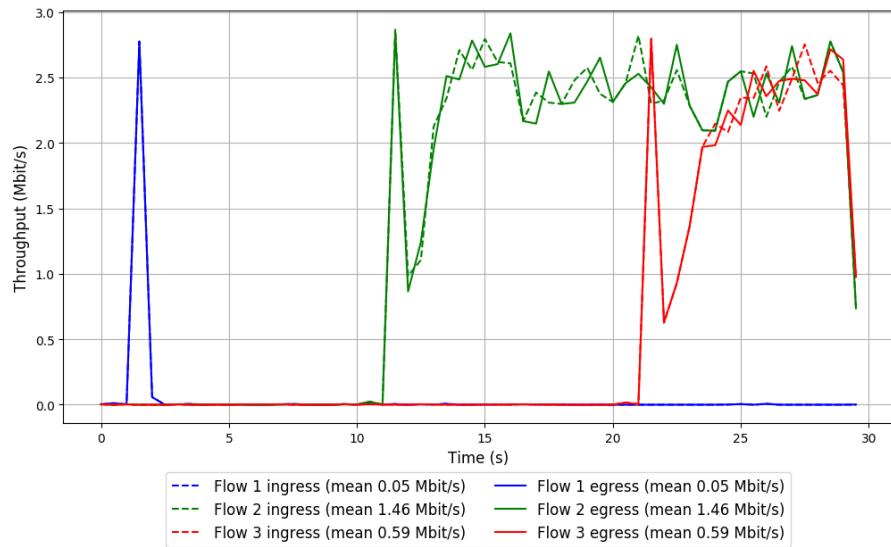


Run 1: Statistics of WebRTC media

```
Start at: 2017-09-08 01:36:09
End at: 2017-09-08 01:36:39
Local clock offset: 0.853 ms
Remote clock offset: -1.51 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 19.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 19.570 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

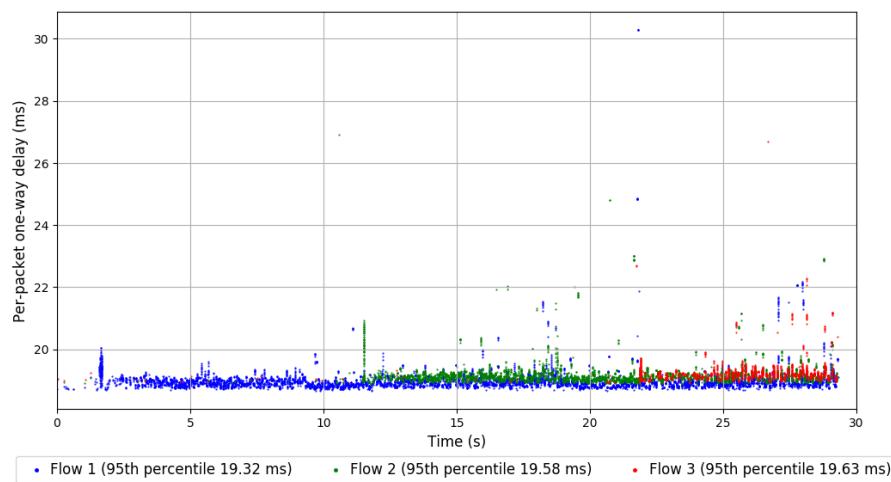
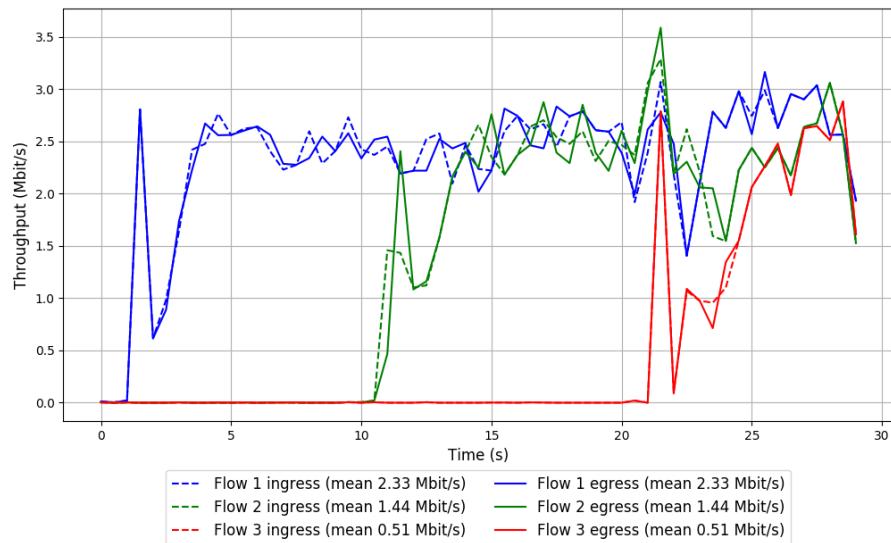


Run 2: Statistics of WebRTC media

```
Start at: 2017-09-08 01:56:41
End at: 2017-09-08 01:57:12
Local clock offset: 0.679 ms
Remote clock offset: -1.415 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 19.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 19.630 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

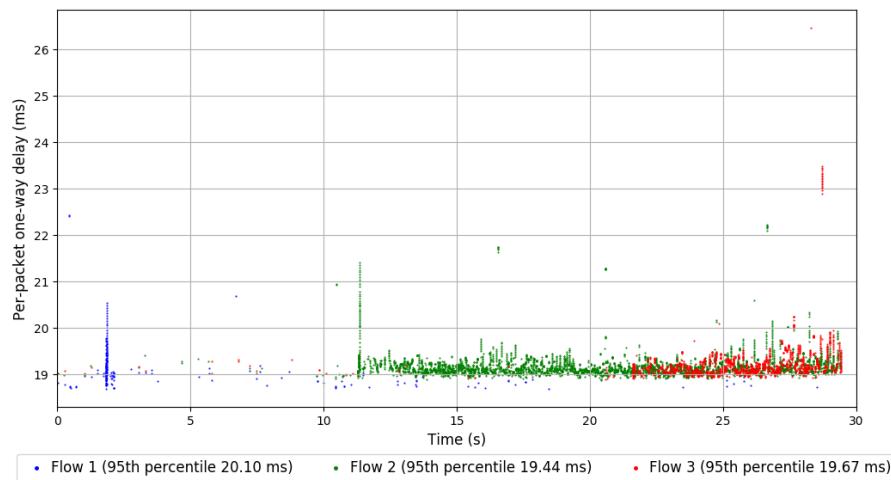
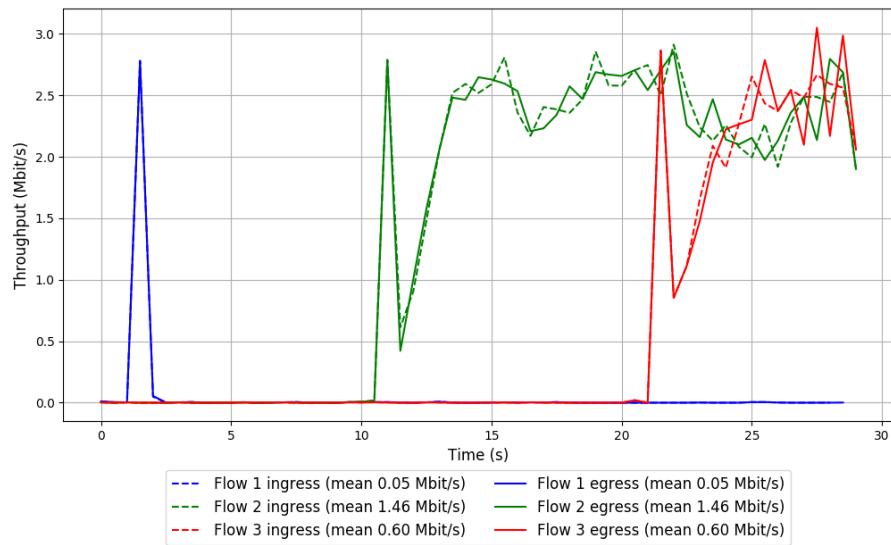


Run 3: Statistics of WebRTC media

```
Start at: 2017-09-08 02:17:45
End at: 2017-09-08 02:18:15
Local clock offset: 0.69 ms
Remote clock offset: -1.678 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 19.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 19.666 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

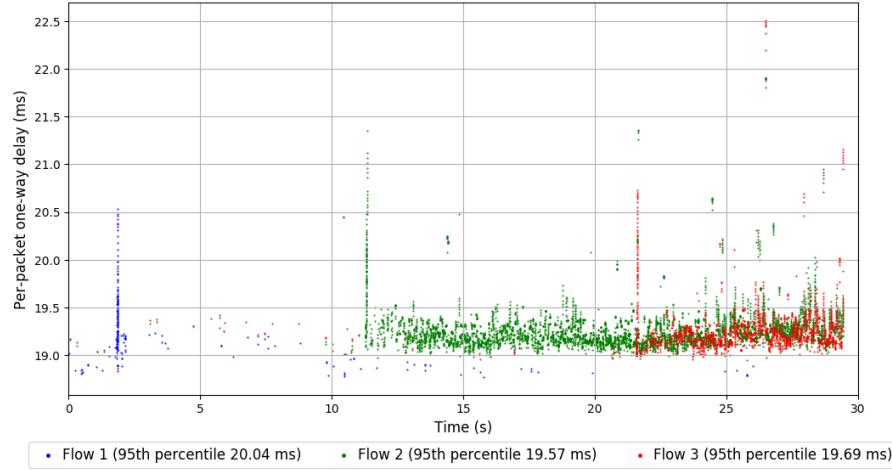
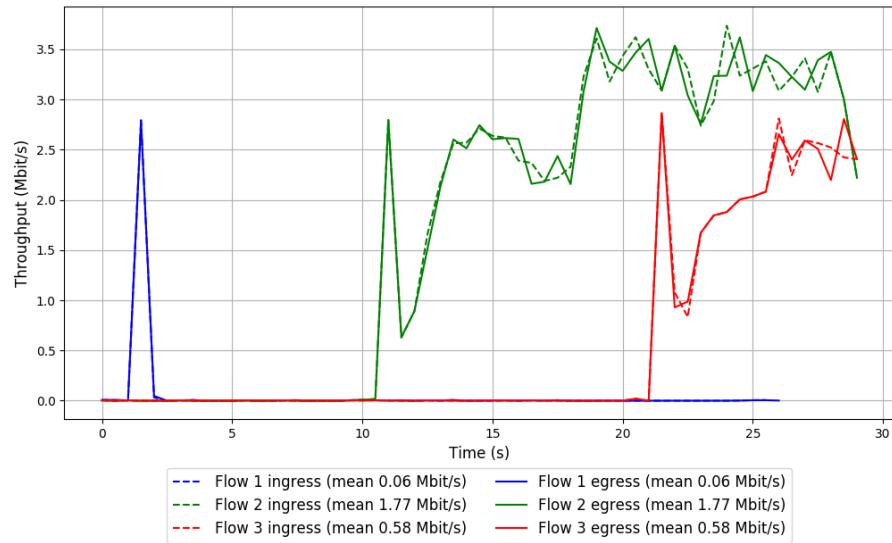


Run 4: Statistics of WebRTC media

```
Start at: 2017-09-08 02:38:39
End at: 2017-09-08 02:39:09
Local clock offset: 0.51 ms
Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 19.620 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 19.694 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

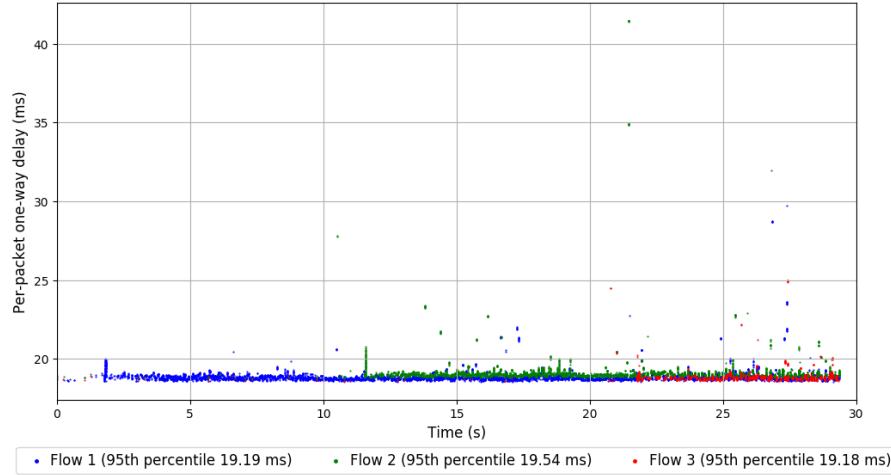
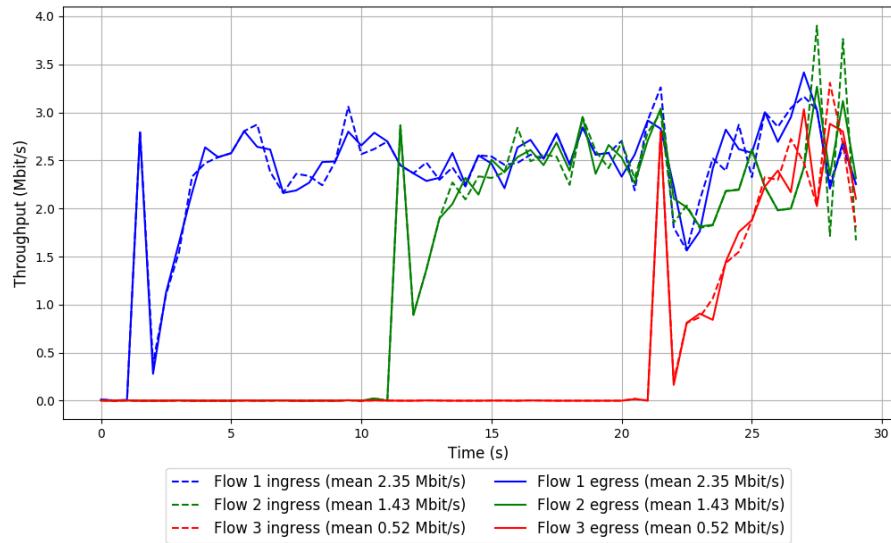


Run 5: Statistics of WebRTC media

```
Start at: 2017-09-08 02:59:46
End at: 2017-09-08 03:00:16
Local clock offset: 0.512 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 19.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

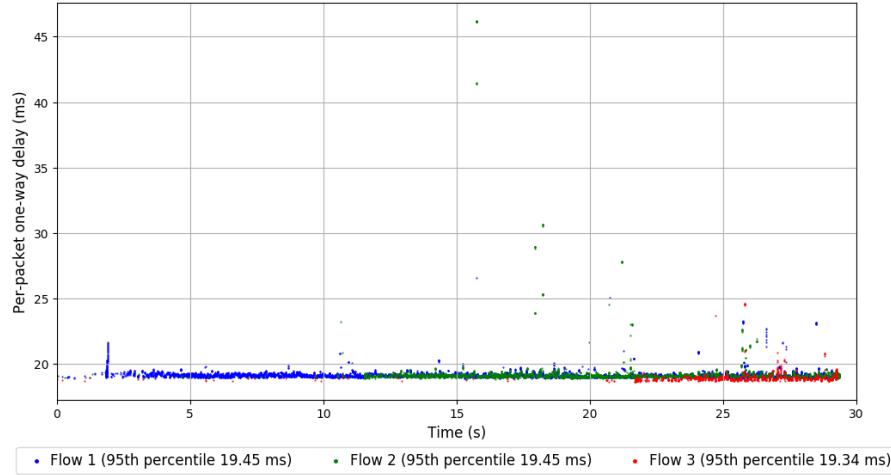
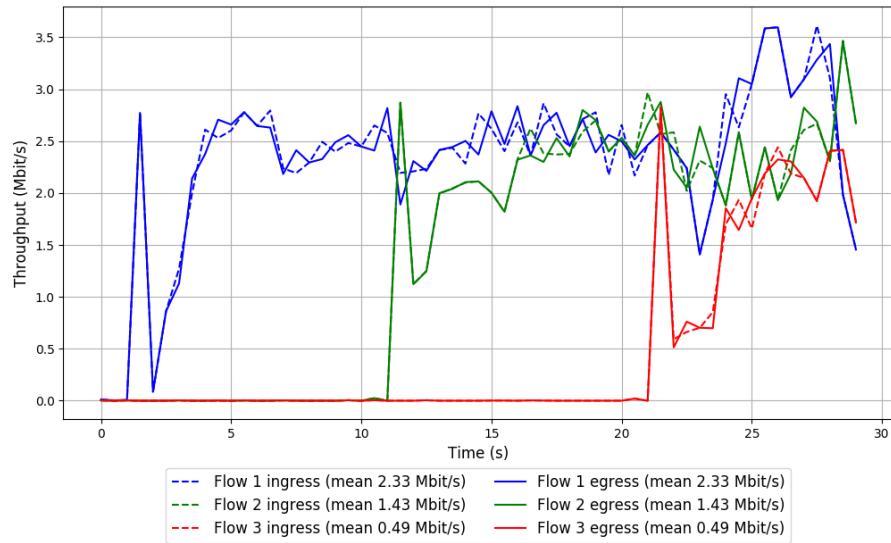


Run 6: Statistics of WebRTC media

```
Start at: 2017-09-08 03:20:40
End at: 2017-09-08 03:21:10
Local clock offset: 0.444 ms
Remote clock offset: -1.61 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 19.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

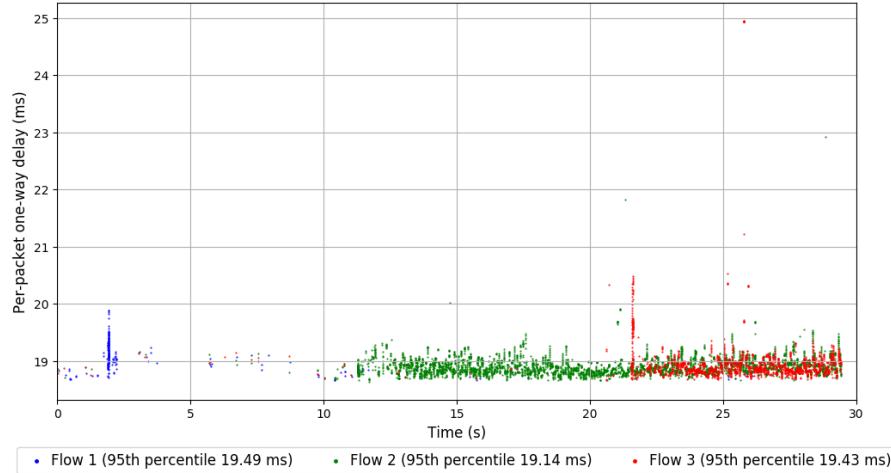
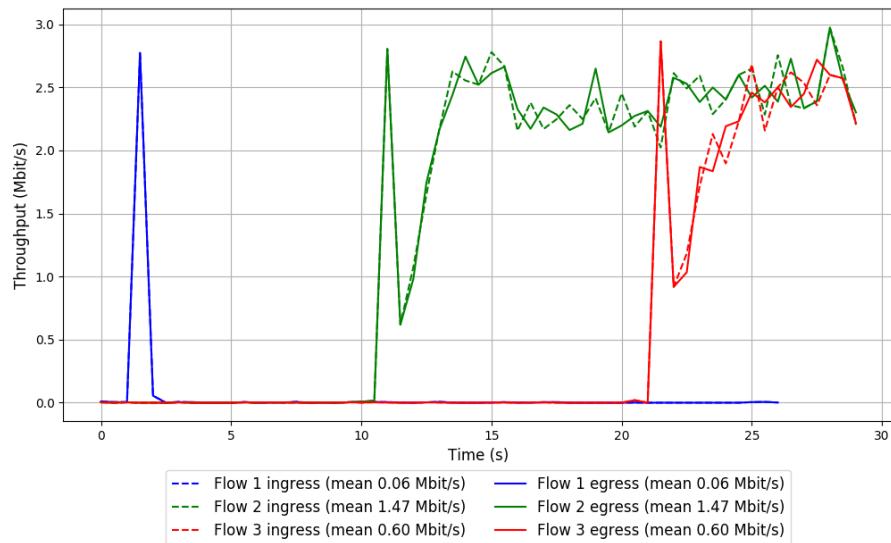


Run 7: Statistics of WebRTC media

```
Start at: 2017-09-08 03:41:47
End at: 2017-09-08 03:42:17
Local clock offset: 0.253 ms
Remote clock offset: -1.521 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

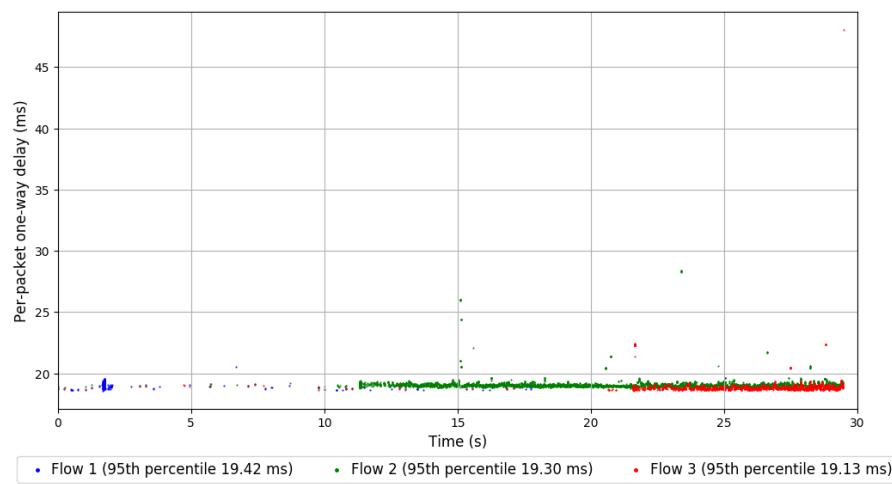
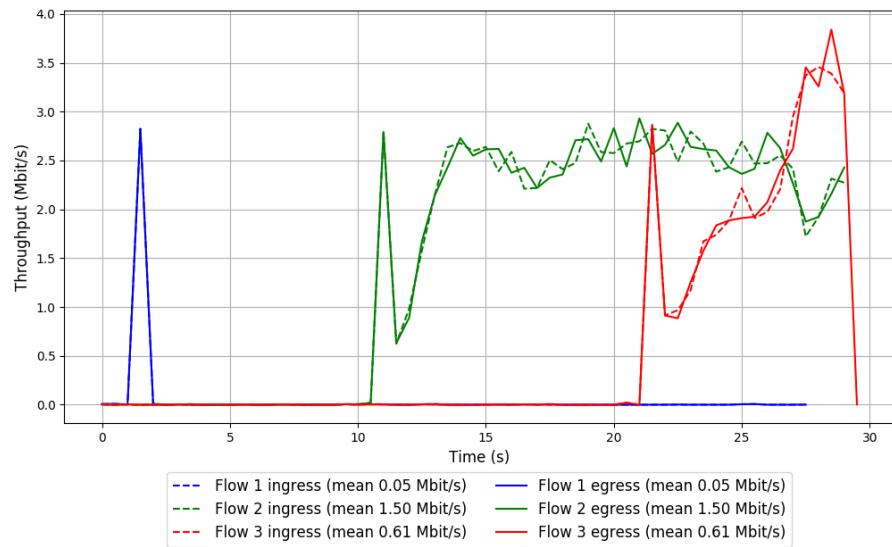


Run 8: Statistics of WebRTC media

```
Start at: 2017-09-08 04:02:51
End at: 2017-09-08 04:03:21
Local clock offset: 0.23 ms
Remote clock offset: -1.74 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 19.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

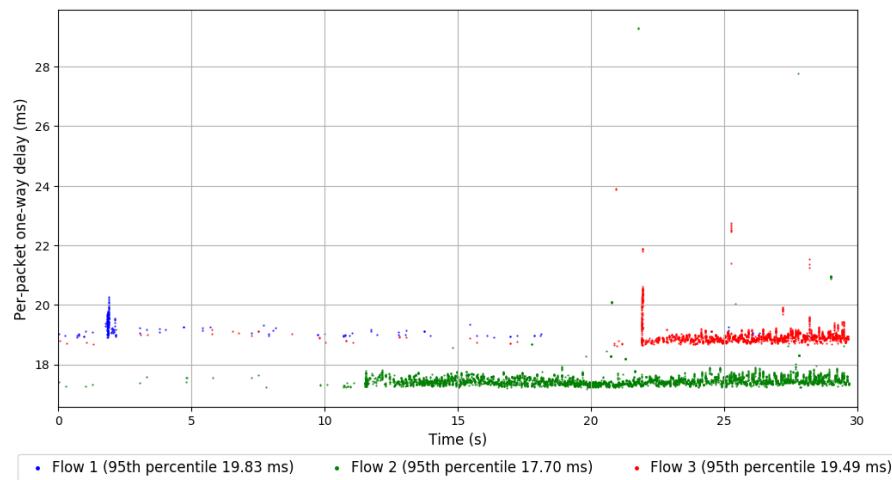
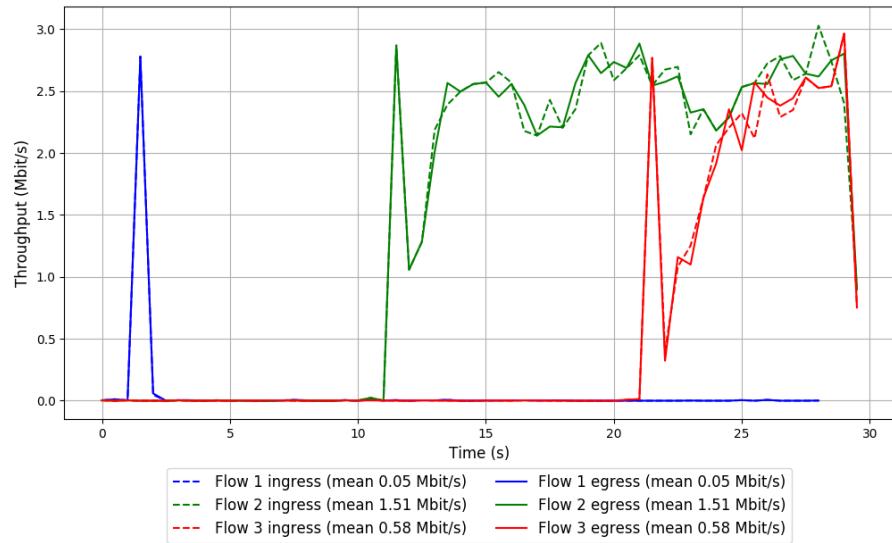


Run 9: Statistics of WebRTC media

```
Start at: 2017-09-08 04:23:39
End at: 2017-09-08 04:24:09
Local clock offset: 0.064 ms
Remote clock offset: -1.658 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 17.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 19.487 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2017-09-08 04:44:49
End at: 2017-09-08 04:45:19
Local clock offset: -0.016 ms
Remote clock offset: -1.52 ms

# Below is generated by plot.py at 2017-09-08 08:26:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 19.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 19.886 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

