

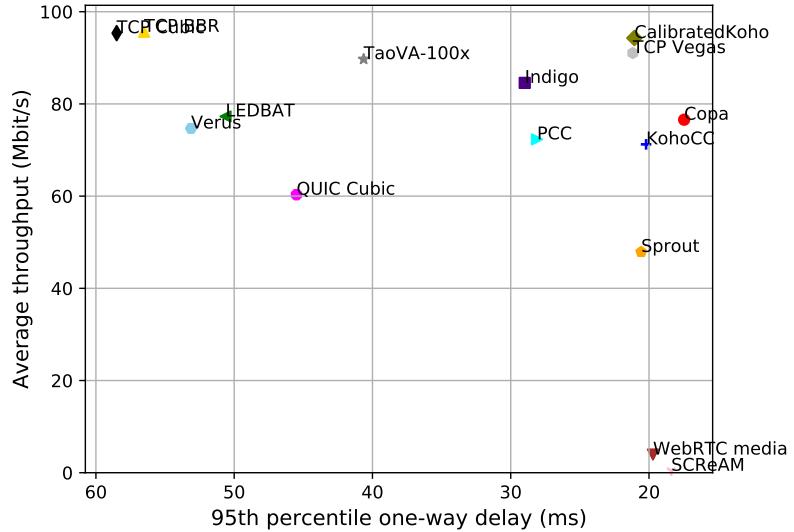
Pantheon Report

Generated at 2017-09-08 04:58:21 (UTC).
Data path: AWS India 1 Ethernet (*local*) → India 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 nets.org.sg and have been applied to correct the timestamps in logs.

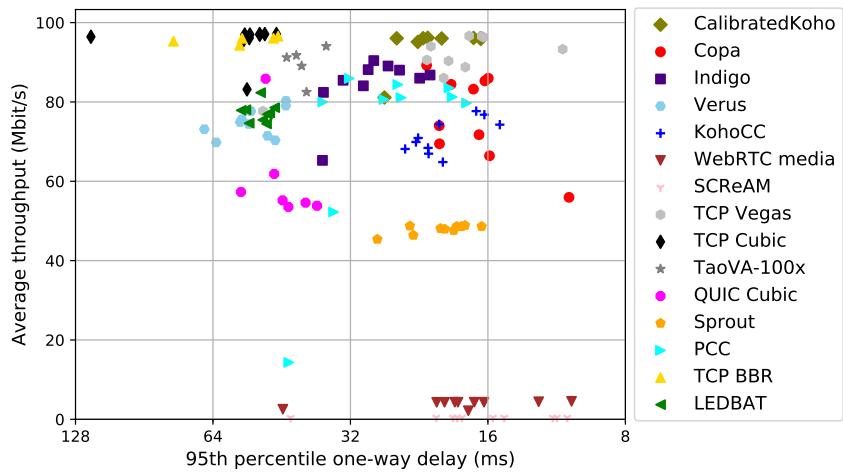
Git summary:

```
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
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



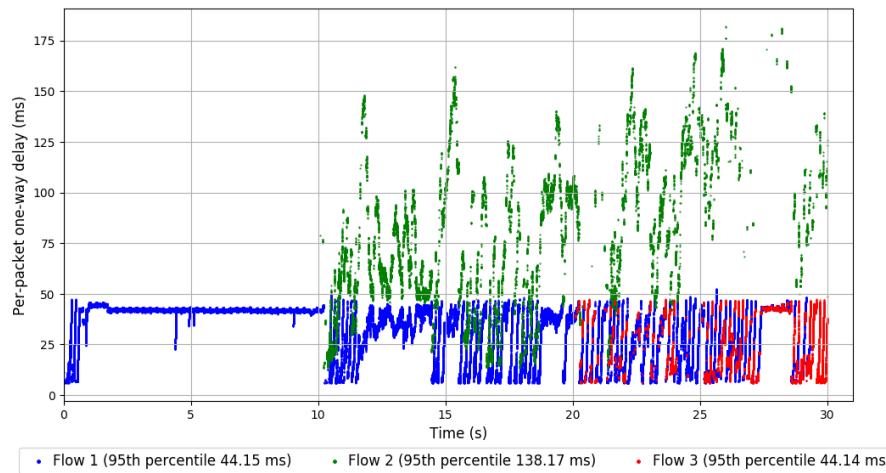
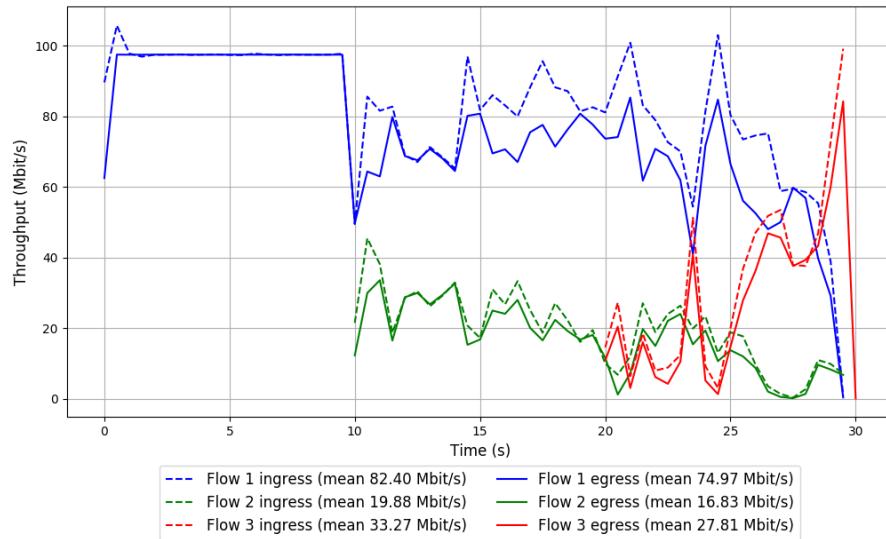
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	67.04	33.34	19.62	47.33	66.87	53.52	7.15	12.00	22.61
CalibratedKoho	9	42.95	53.04	48.43	19.53	20.05	20.02	0.08	0.07	0.04
Copa	10	50.42	29.35	26.52	14.22	17.67	16.65	0.01	0.02	0.06
TCP Cubic	10	67.13	28.55	27.85	51.07	66.15	49.25	0.71	0.78	0.80
Indigo	10	43.78	41.02	41.13	24.77	29.50	25.94	0.01	0.05	0.03
KohoCC	10	37.59	36.15	28.87	18.96	19.42	38.14	0.01	0.01	0.16
LEDBAT	9	49.56	30.48	23.19	50.48	50.05	49.16	0.39	0.63	0.88
PCC	10	57.03	16.88	12.43	33.78	25.09	26.57	0.44	0.20	0.06
QUIC Cubic	7	7.96	59.77	35.02	22.91	44.30	46.62	0.28	0.80	1.29
SCReAM	10	0.21	0.22	0.22	17.31	17.31	12.04	0.02	0.02	0.00
Sprout	10	24.32	24.15	22.75	19.01	18.85	25.21	0.01	0.02	0.03
TaoVA-100x	5	53.10	38.73	34.03	38.44	40.96	43.49	3.00	5.65	11.88
TCP Vegas	10	55.48	38.99	28.91	22.85	13.45	19.47	0.10	0.01	0.05
Verus	10	45.92	34.35	21.29	54.13	49.58	50.41	27.43	38.73	40.24
WebRTC media	10	1.95	1.44	0.56	20.80	13.30	15.07	0.03	0.00	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-08 00:53:05
End at: 2017-09-08 00:53:35
Local clock offset: -1.033 ms
Remote clock offset: -4.935 ms

# Below is generated by plot.py at 2017-09-08 04:45:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 78.116 ms
Loss rate: 10.52%
-- Flow 1:
Average throughput: 74.97 Mbit/s
95th percentile per-packet one-way delay: 44.147 ms
Loss rate: 8.97%
-- Flow 2:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 138.169 ms
Loss rate: 15.27%
-- Flow 3:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 44.144 ms
Loss rate: 16.37%
```

Run 1: Report of TCP BBR — Data Link

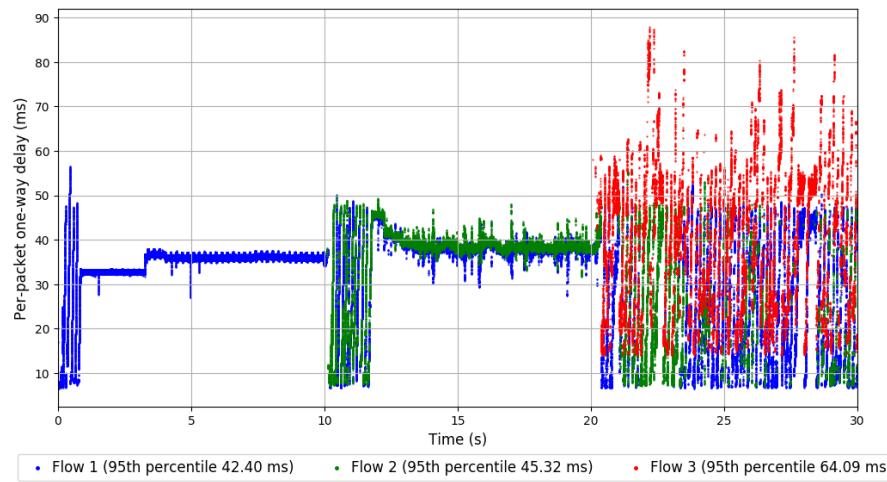
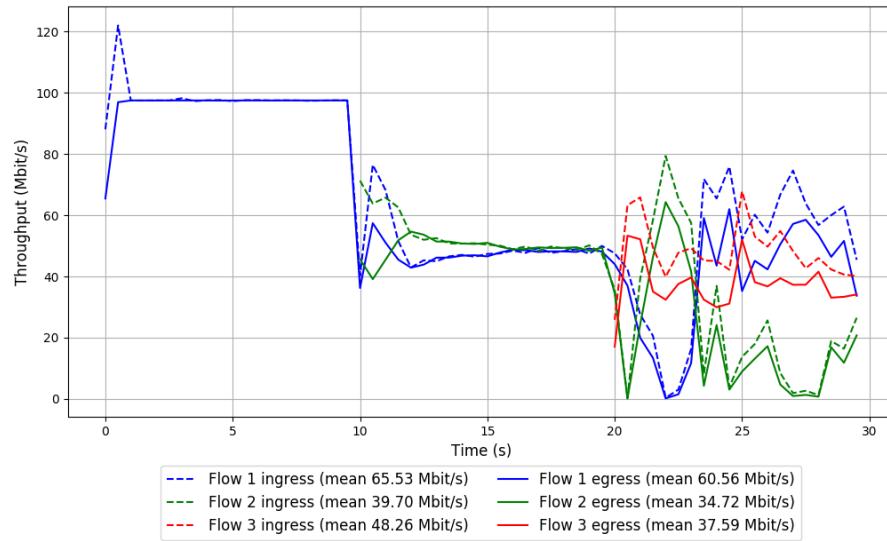


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-08 01:11:13
End at: 2017-09-08 01:11:43
Local clock offset: -0.99 ms
Remote clock offset: -4.4 ms

# Below is generated by plot.py at 2017-09-08 04:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 47.180 ms
Loss rate: 11.05%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 42.396 ms
Loss rate: 7.59%
-- Flow 2:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 45.320 ms
Loss rate: 12.69%
-- Flow 3:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 64.090 ms
Loss rate: 22.50%
```

Run 2: Report of TCP BBR — Data Link

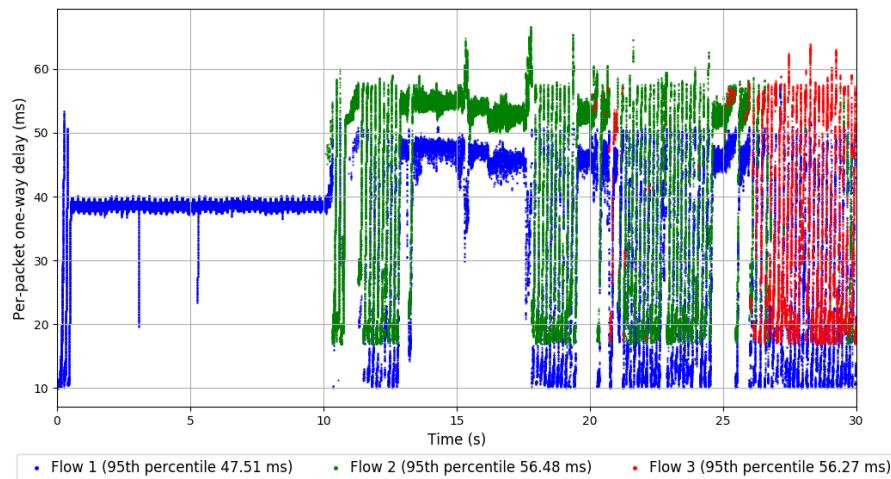
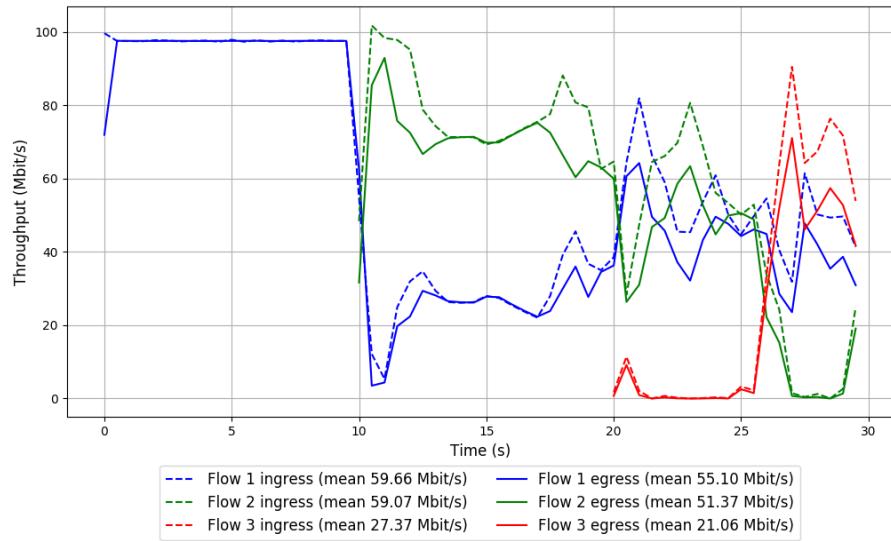


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-08 01:29:37
End at: 2017-09-08 01:30:07
Local clock offset: -2.59 ms
Remote clock offset: -3.318 ms

# Below is generated by plot.py at 2017-09-08 04:45:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 55.254 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 47.508 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 56.479 ms
Loss rate: 13.30%
-- Flow 3:
Average throughput: 21.06 Mbit/s
95th percentile per-packet one-way delay: 56.275 ms
Loss rate: 23.40%
```

Run 3: Report of TCP BBR — Data Link

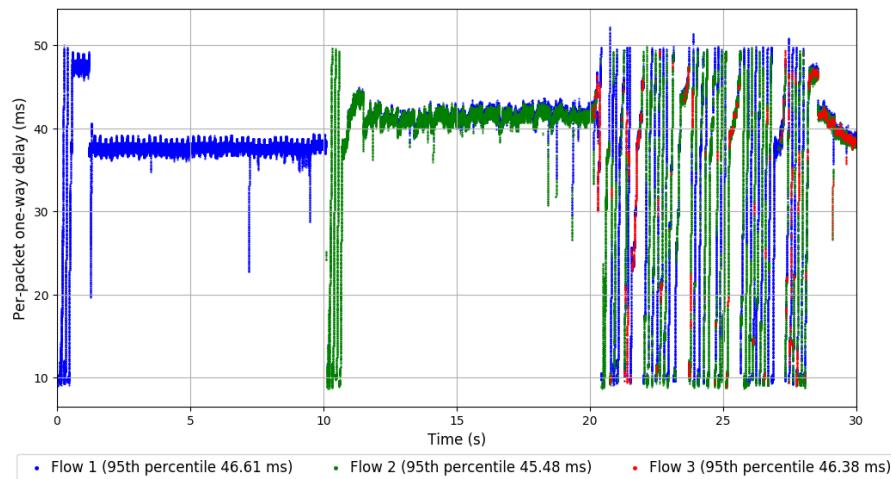
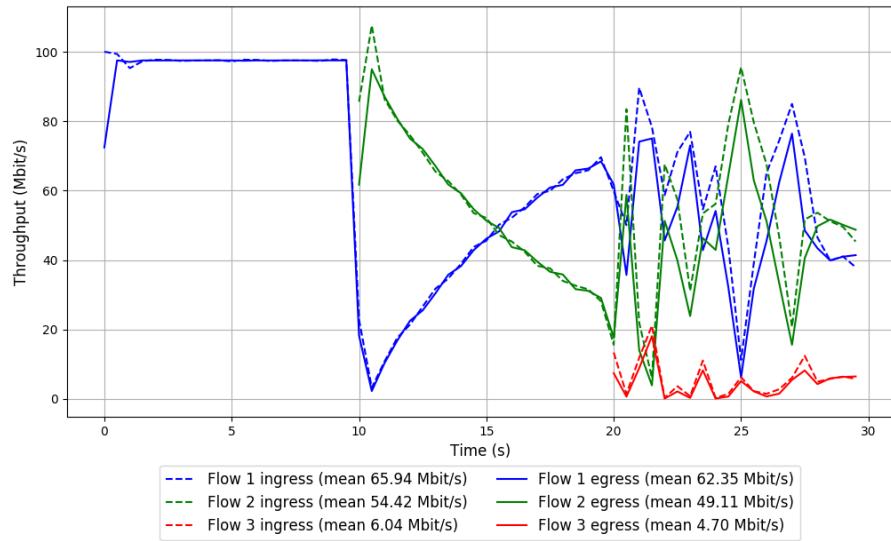


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-08 01:48:00
End at: 2017-09-08 01:48:30
Local clock offset: -1.359 ms
Remote clock offset: -3.155 ms

# Below is generated by plot.py at 2017-09-08 04:45:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 46.090 ms
Loss rate: 7.22%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 46.608 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 45.482 ms
Loss rate: 9.77%
-- Flow 3:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 46.385 ms
Loss rate: 22.26%
```

Run 4: Report of TCP BBR — Data Link

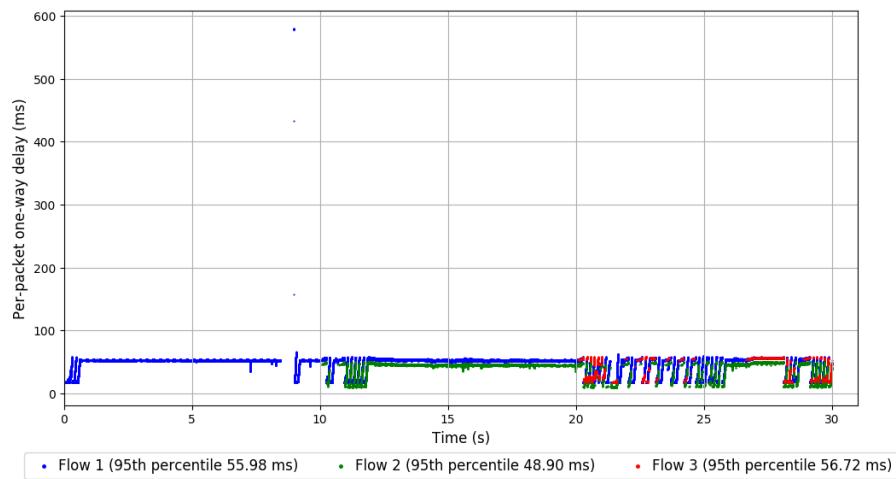
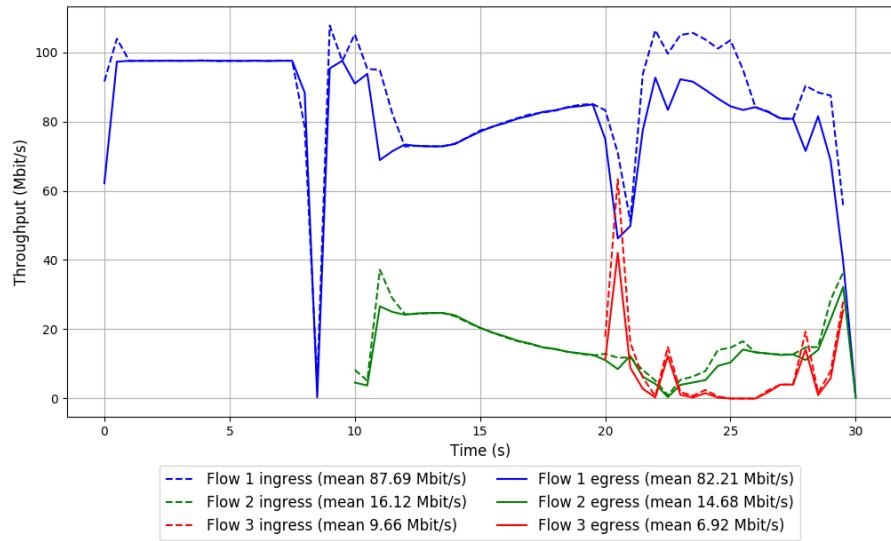


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-08 02:06:44
End at: 2017-09-08 02:07:14
Local clock offset: -1.168 ms
Remote clock offset: -2.544 ms

# Below is generated by plot.py at 2017-09-08 04:45:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 55.934 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 55.980 ms
Loss rate: 6.16%
-- Flow 2:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 48.895 ms
Loss rate: 8.96%
-- Flow 3:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 56.721 ms
Loss rate: 28.54%
```

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-08 02:25:21
End at: 2017-09-08 02:25:51
Local clock offset: -2.944 ms
Remote clock offset: -3.476 ms

Run 6: Report of TCP BBR — Data Link

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Run 7: Statistics of TCP BBR

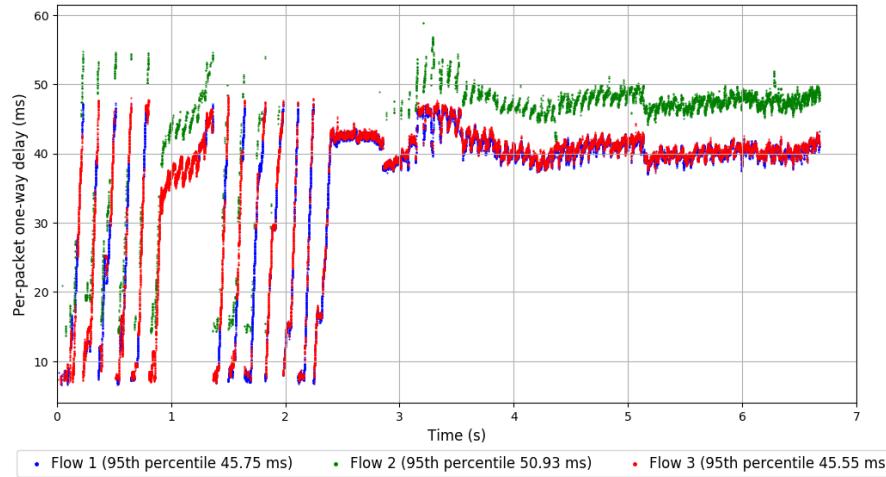
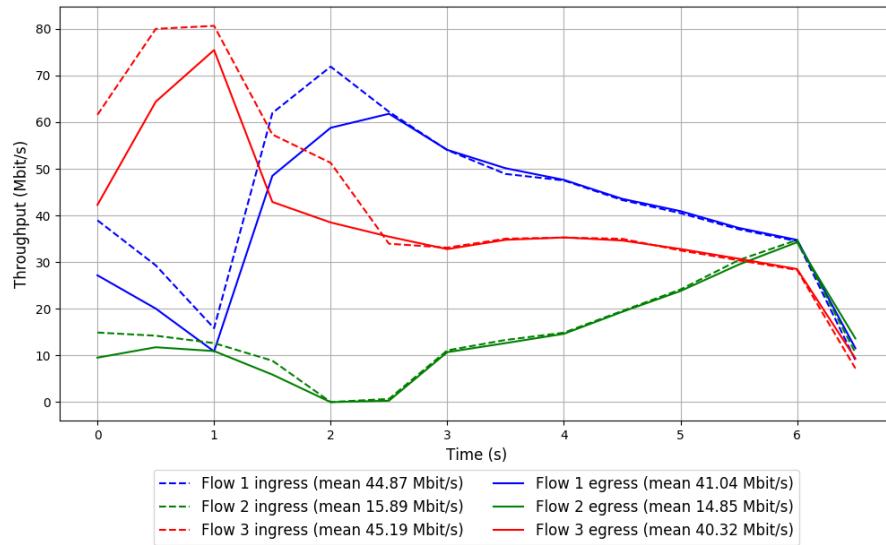
Start at: 2017-09-08 02:44:18

End at: 2017-09-08 02:44:48

Local clock offset: 1.616 ms

Remote clock offset: -3.141 ms

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

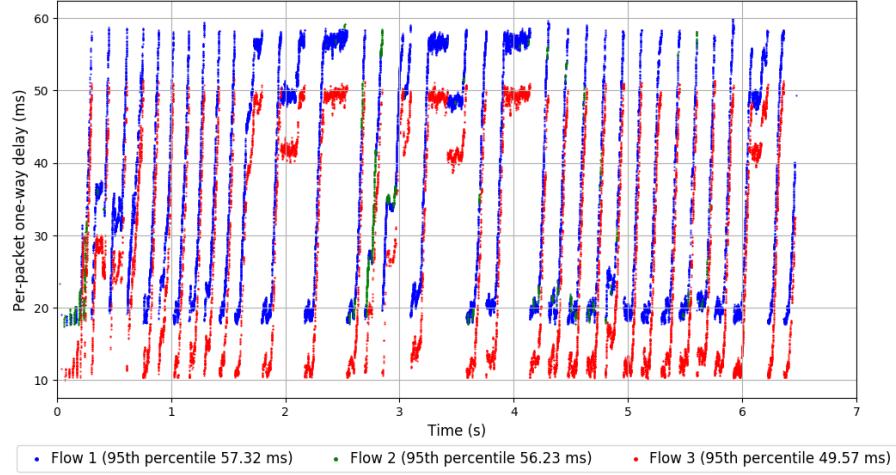
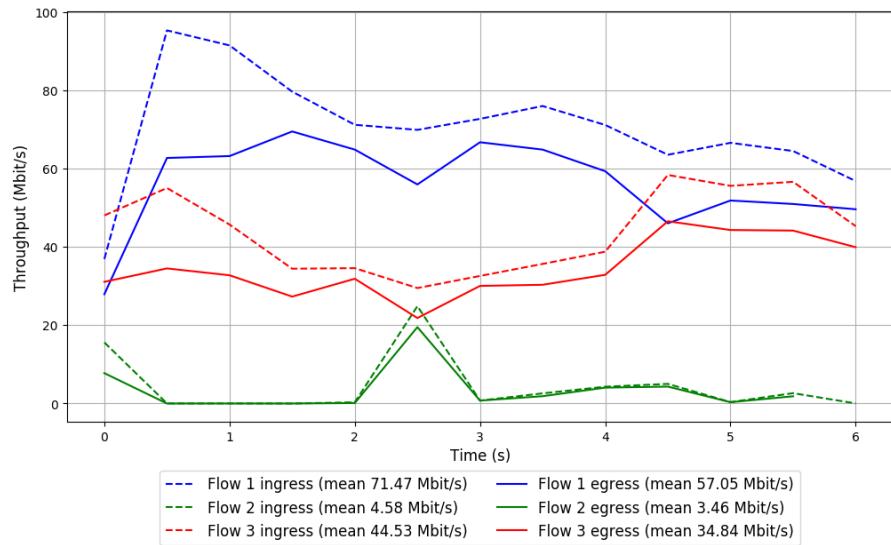
Start at: 2017-09-08 03:02:54

End at: 2017-09-08 03:03:24

Local clock offset: -2.282 ms

Remote clock offset: -3.23 ms

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

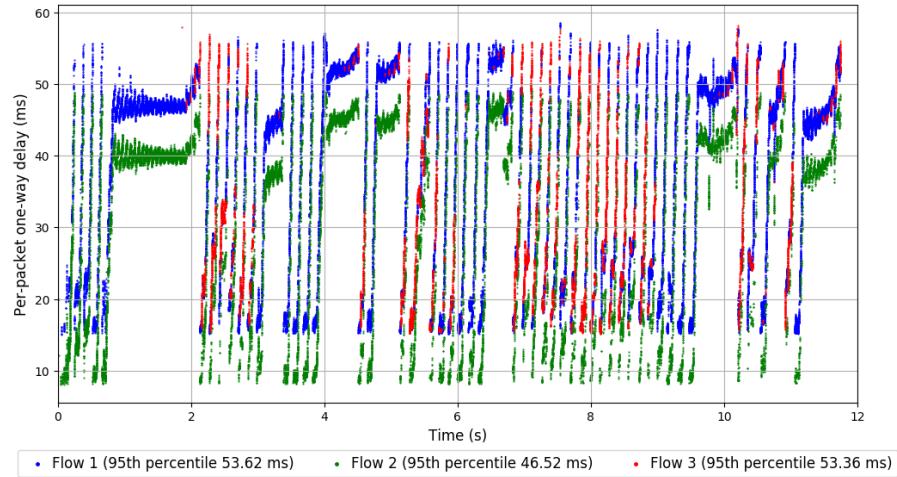
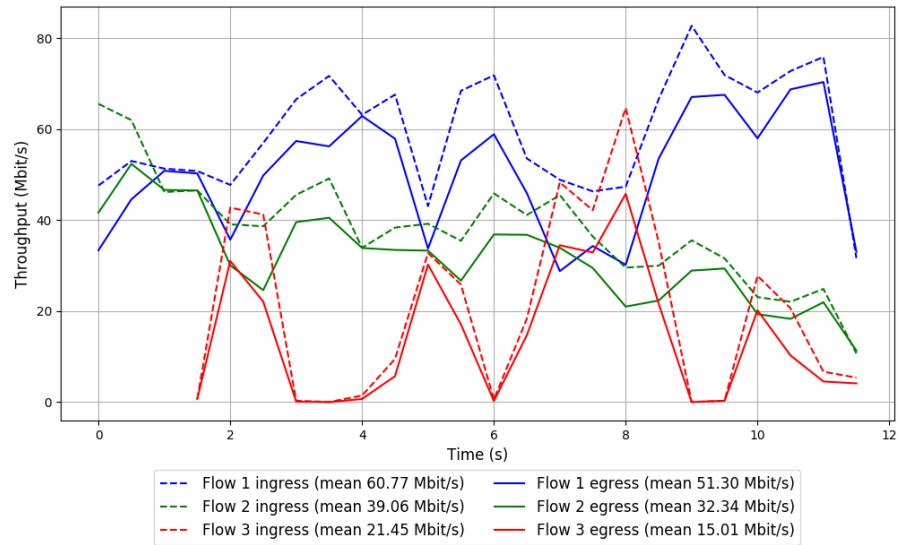
Start at: 2017-09-08 03:22:05

End at: 2017-09-08 03:22:35

Local clock offset: 0.46 ms

Remote clock offset: -2.856 ms

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

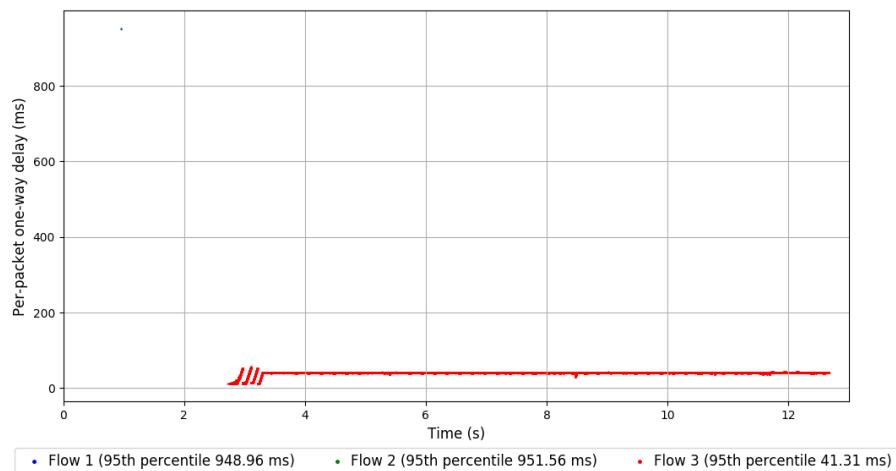
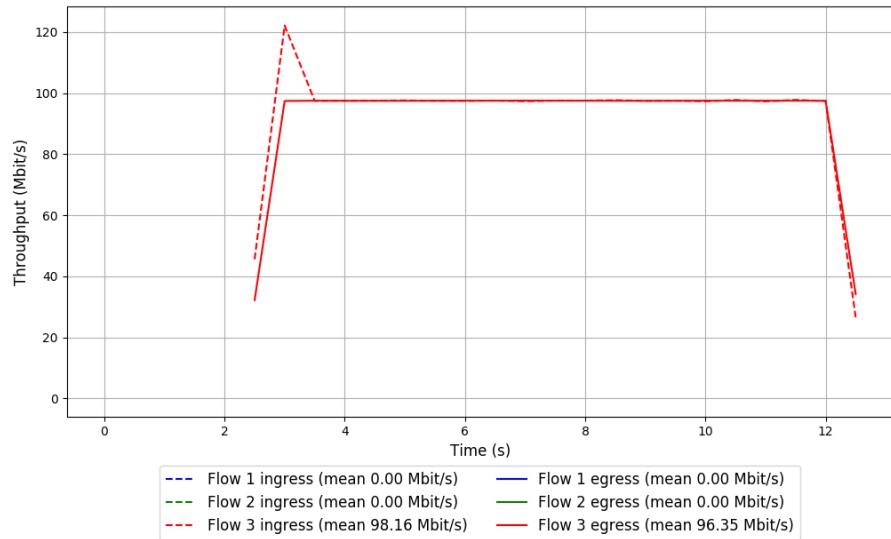
Start at: 2017-09-08 03:40:44

End at: 2017-09-08 03:41:14

Local clock offset: -1.924 ms

Remote clock offset: -2.207 ms

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

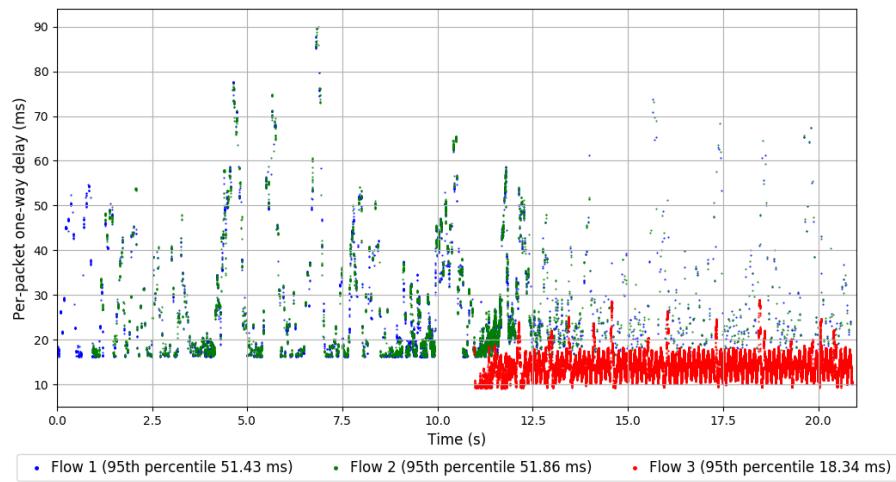
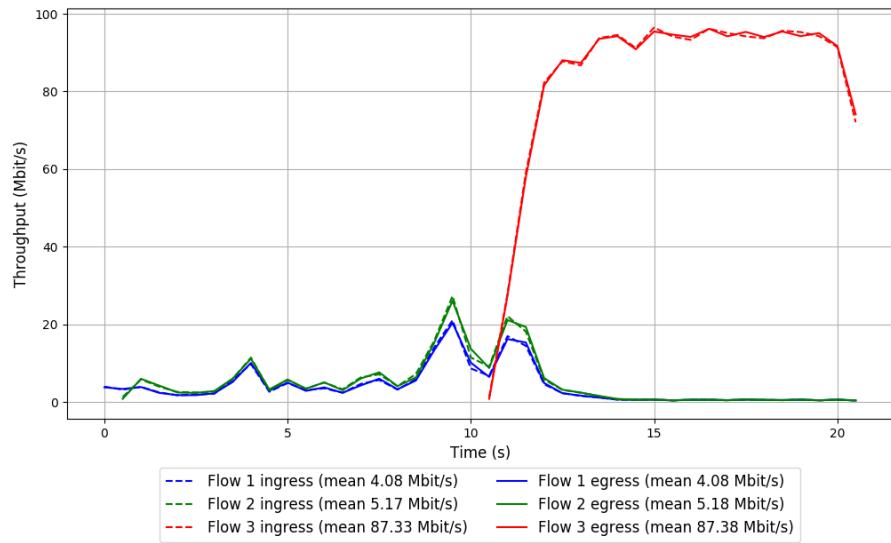
Start at: 2017-09-08 01:06:27

End at: 2017-09-08 01:06:57

Local clock offset: -3.092 ms

Remote clock offset: -4.29 ms

Run 1: Report of CalibratedKoho — Data Link

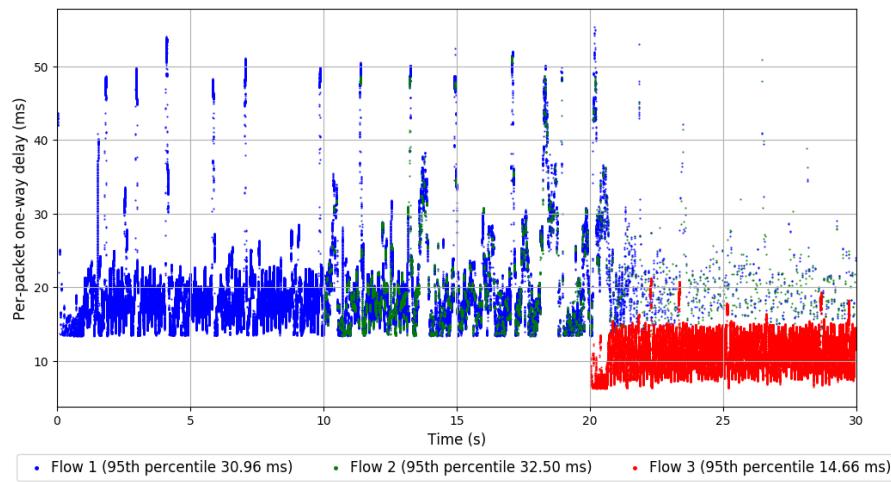
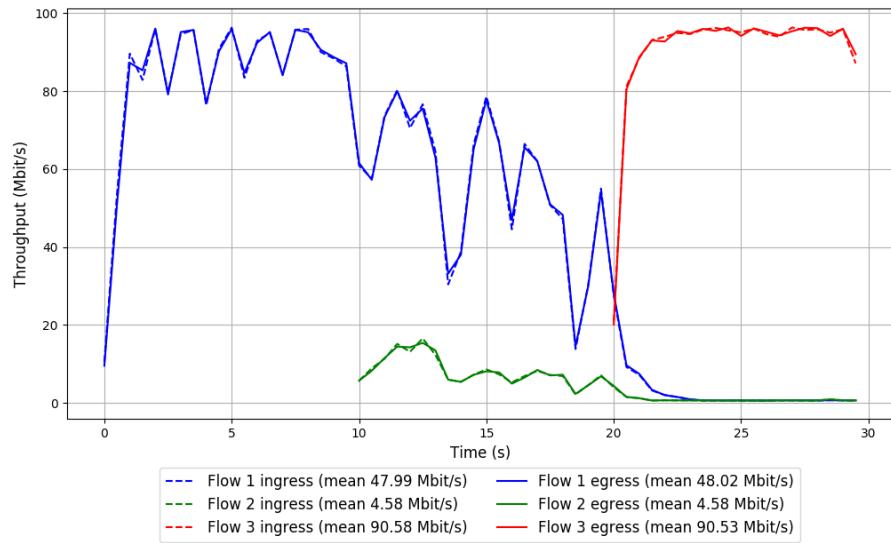


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 01:24:33
End at: 2017-09-08 01:25:03
Local clock offset: -0.282 ms
Remote clock offset: -4.568 ms

# Below is generated by plot.py at 2017-09-08 04:46:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.13 Mbit/s
95th percentile per-packet one-way delay: 26.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 32.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 14.664 ms
Loss rate: 0.01%
```

Run 2: Report of CalibratedKoho — Data Link

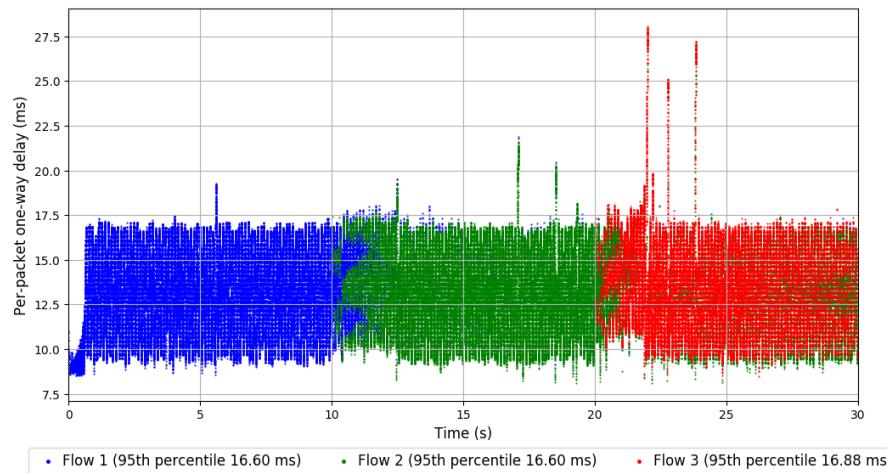
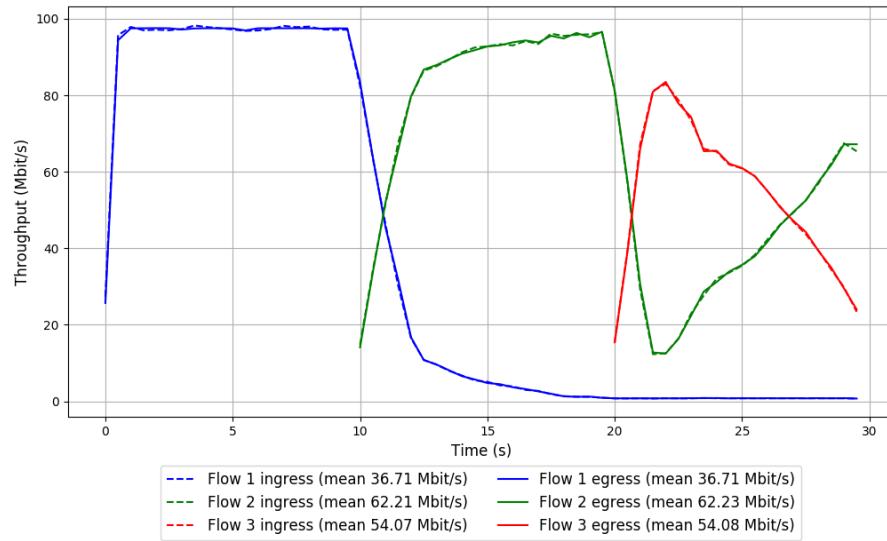


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 01:42:57
End at: 2017-09-08 01:43:27
Local clock offset: -0.099 ms
Remote clock offset: -2.404 ms

# Below is generated by plot.py at 2017-09-08 04:46:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 16.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 16.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 16.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 16.883 ms
Loss rate: 0.01%
```

Run 3: Report of CalibratedKoho — Data Link

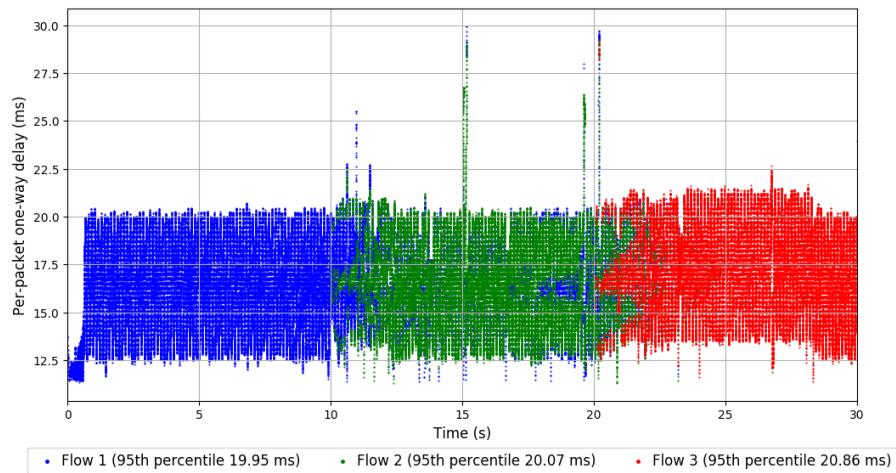
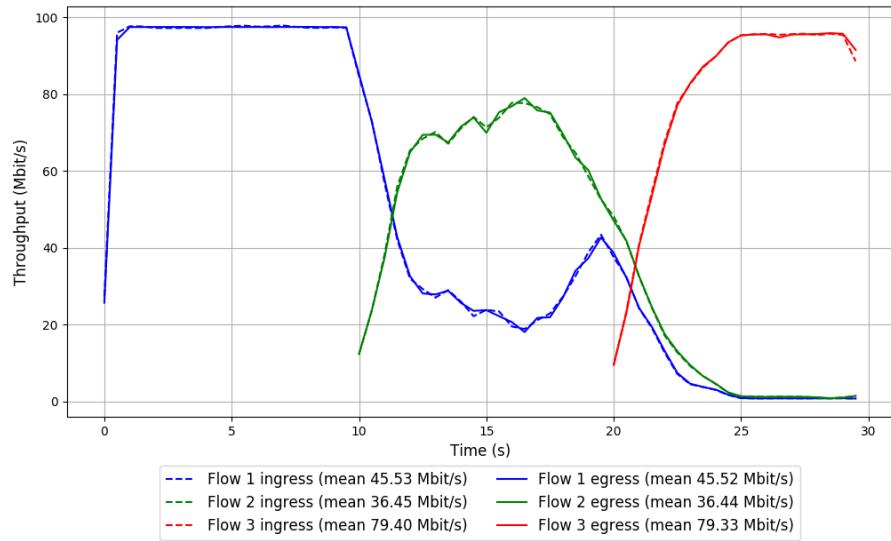


Run 4: Statistics of CalibratedKoho

```
Start at: 2017-09-08 02:01:38
End at: 2017-09-08 02:02:08
Local clock offset: -2.517 ms
Remote clock offset: -2.534 ms

# Below is generated by plot.py at 2017-09-08 04:46:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 20.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 19.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 20.858 ms
Loss rate: 0.00%
```

Run 4: Report of CalibratedKoho — Data Link

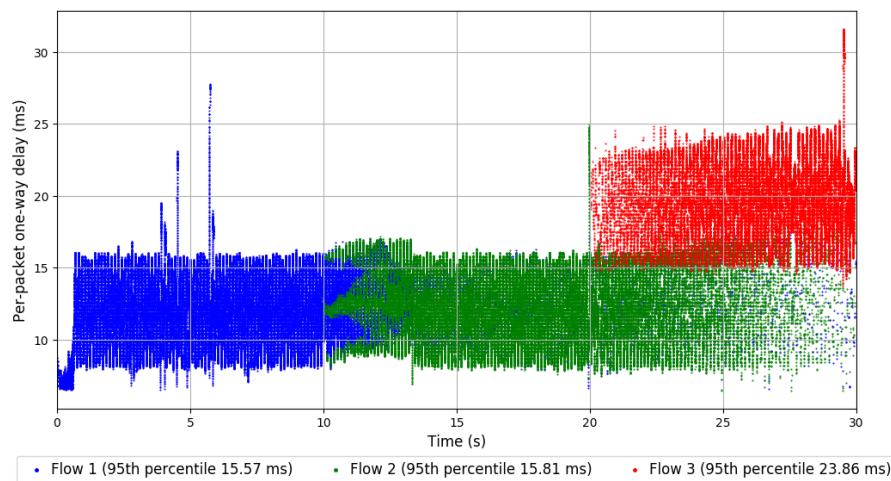
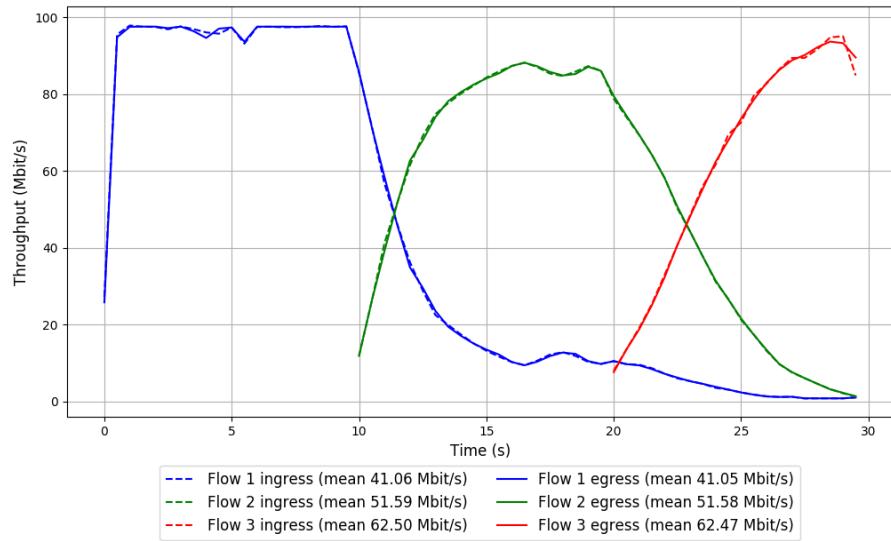


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 02:20:10
End at: 2017-09-08 02:20:40
Local clock offset: 2.255 ms
Remote clock offset: -3.199 ms

# Below is generated by plot.py at 2017-09-08 04:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 22.178 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 15.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 15.809 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 23.859 ms
Loss rate: 0.09%
```

Run 5: Report of CalibratedKoho — Data Link

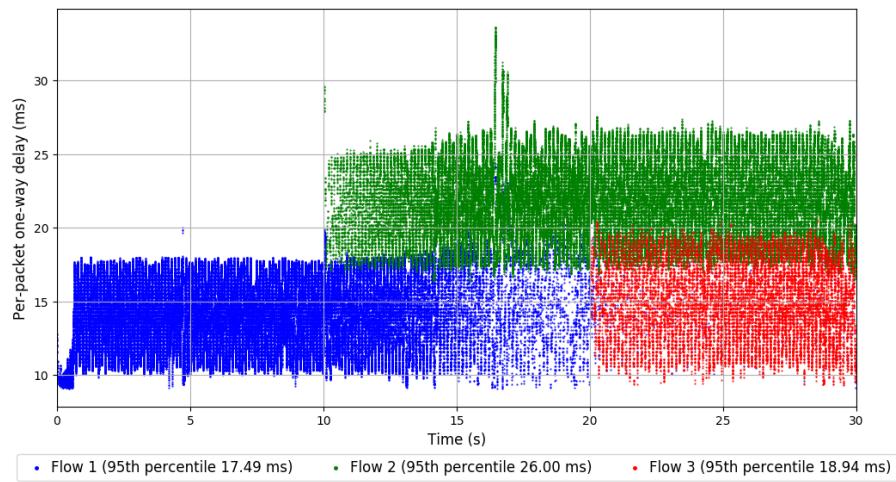
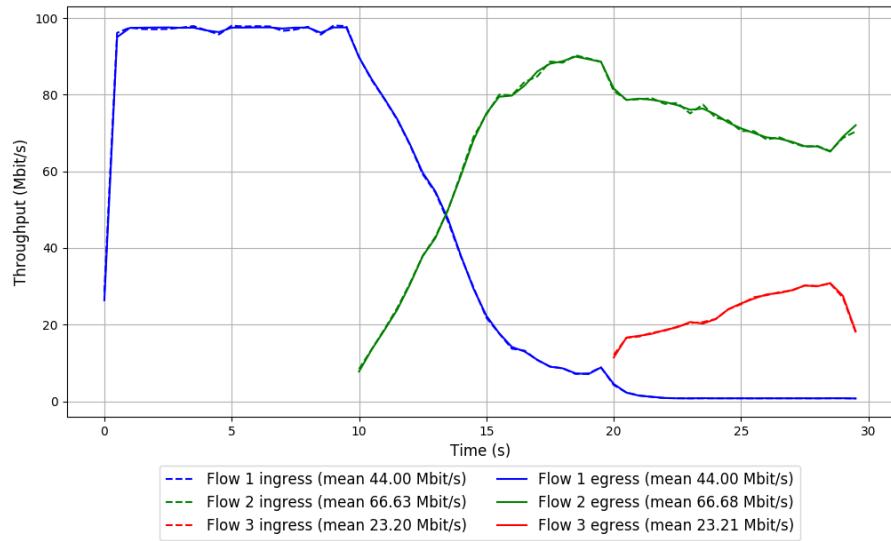


Run 6: Statistics of CalibratedKoho

```
Start at: 2017-09-08 02:38:56
End at: 2017-09-08 02:39:26
Local clock offset: -1.025 ms
Remote clock offset: -3.452 ms

# Below is generated by plot.py at 2017-09-08 04:46:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 25.342 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 17.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.68 Mbit/s
95th percentile per-packet one-way delay: 25.996 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.02%
```

Run 6: Report of CalibratedKoho — Data Link

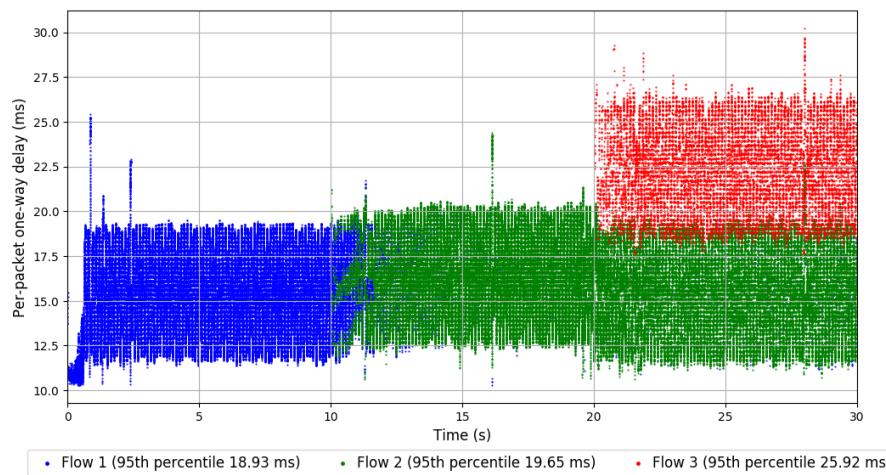
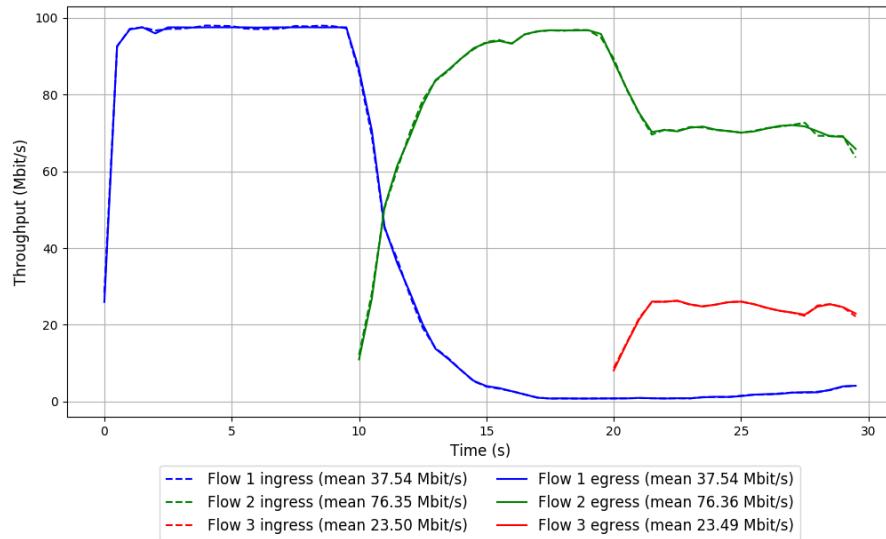


Run 7: Statistics of CalibratedKoho

```
Start at: 2017-09-08 02:57:40
End at: 2017-09-08 02:58:10
Local clock offset: 0.754 ms
Remote clock offset: -0.271 ms

# Below is generated by plot.py at 2017-09-08 04:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 21.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 19.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 25.917 ms
Loss rate: 0.06%
```

Run 7: Report of CalibratedKoho — Data Link

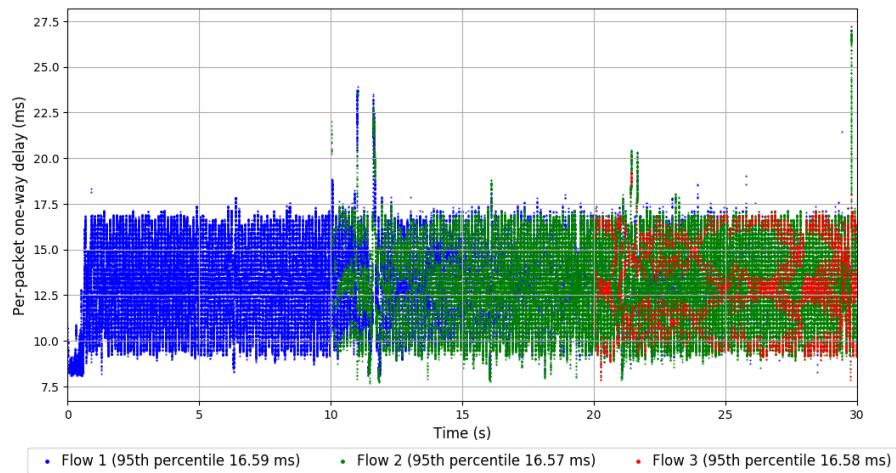
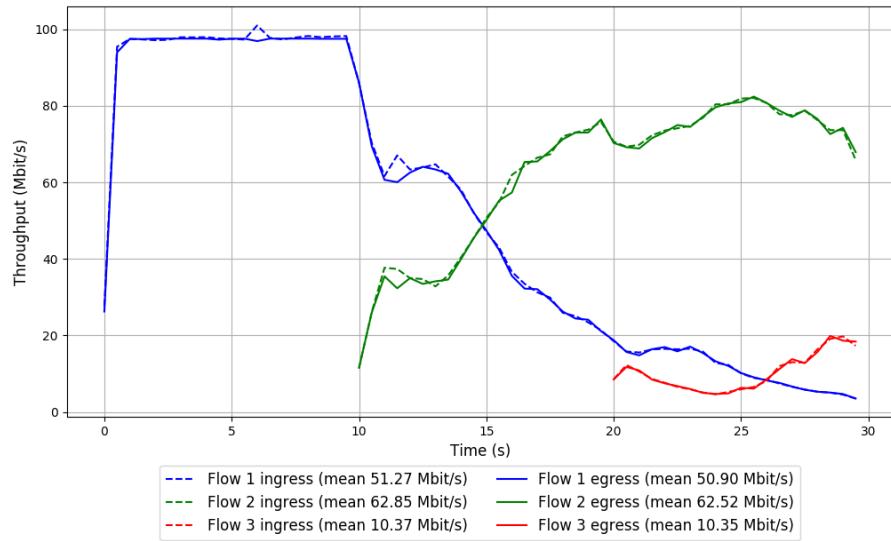


Run 8: Statistics of CalibratedKoho

```
Start at: 2017-09-08 03:16:39
End at: 2017-09-08 03:17:09
Local clock offset: 0.103 ms
Remote clock offset: -3.243 ms

# Below is generated by plot.py at 2017-09-08 04:46:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 16.580 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 16.592 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 16.566 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 16.580 ms
Loss rate: 0.17%
```

Run 8: Report of CalibratedKoho — Data Link

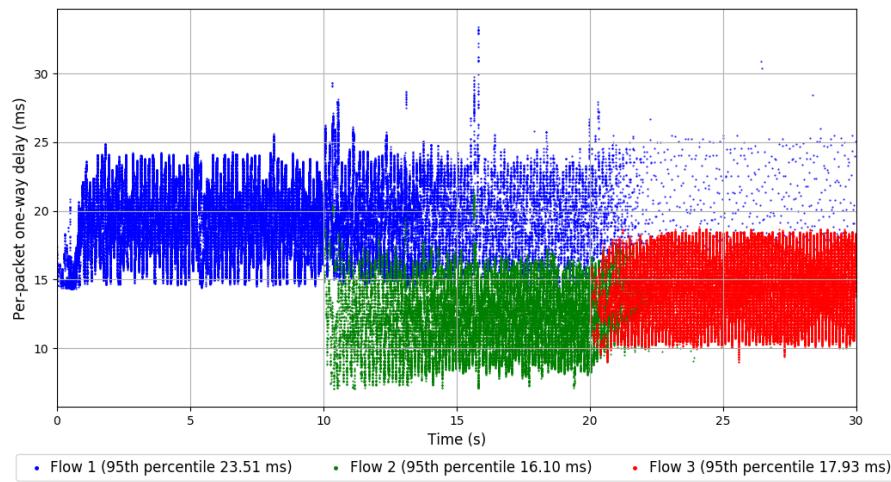
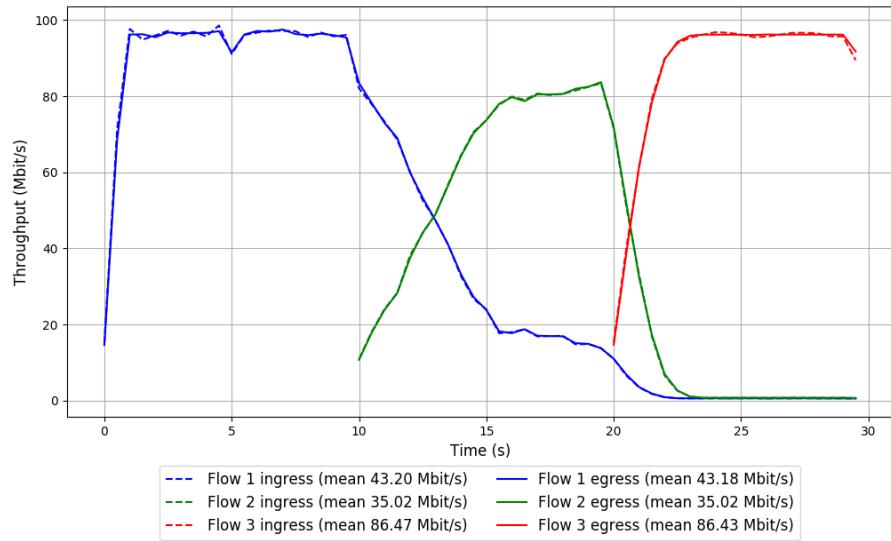


Run 9: Statistics of CalibratedKoho

```
Start at: 2017-09-08 03:35:25
End at: 2017-09-08 03:35:55
Local clock offset: 1.494 ms
Remote clock offset: -2.588 ms

# Below is generated by plot.py at 2017-09-08 04:46:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 22.783 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 23.511 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 16.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 17.929 ms
Loss rate: 0.01%
```

Run 9: Report of CalibratedKoho — Data Link

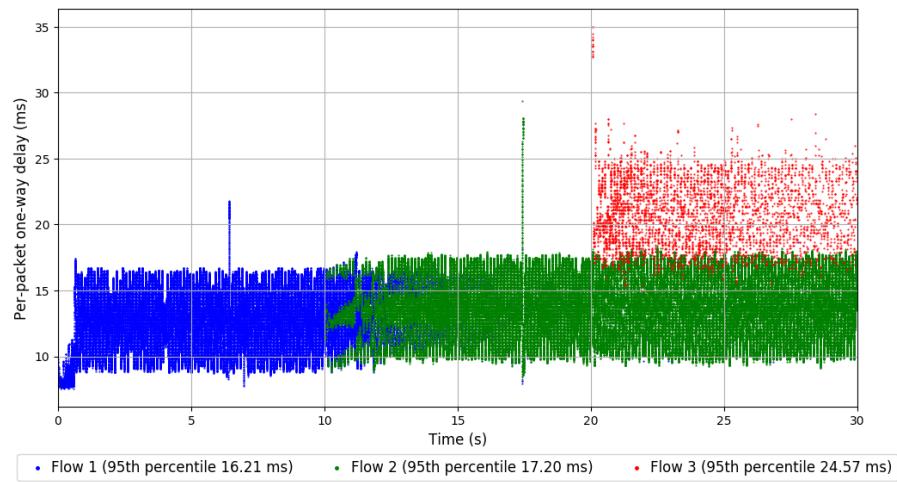
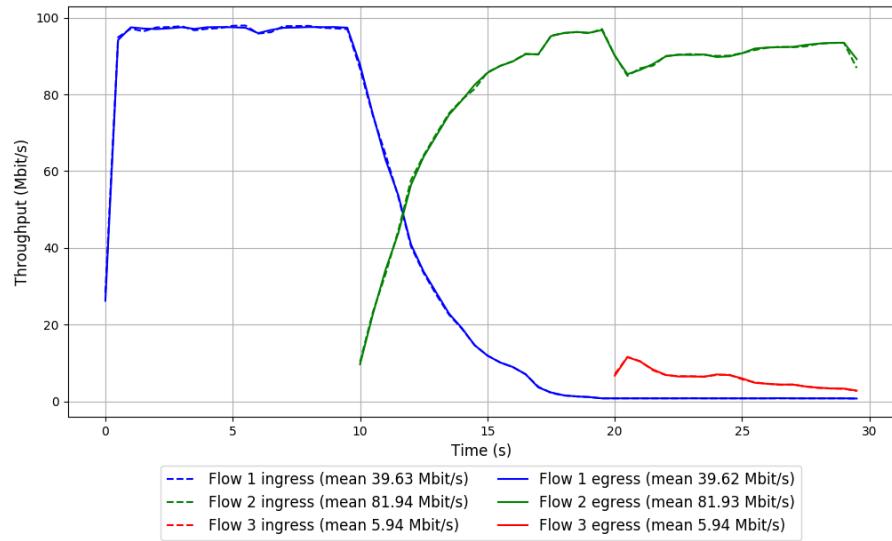


```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-09-08 03:54:24
End at: 2017-09-08 03:54:54
Local clock offset: 1.117 ms
Remote clock offset: -2.596 ms

# Below is generated by plot.py at 2017-09-08 04:47:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 17.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 16.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 17.202 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 24.573 ms
Loss rate: 0.00%
```

Run 10: Report of CalibratedKoho — Data Link

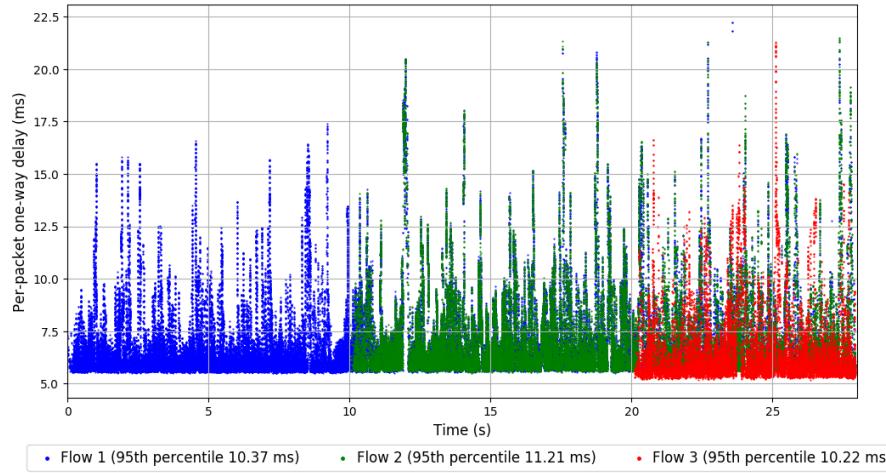
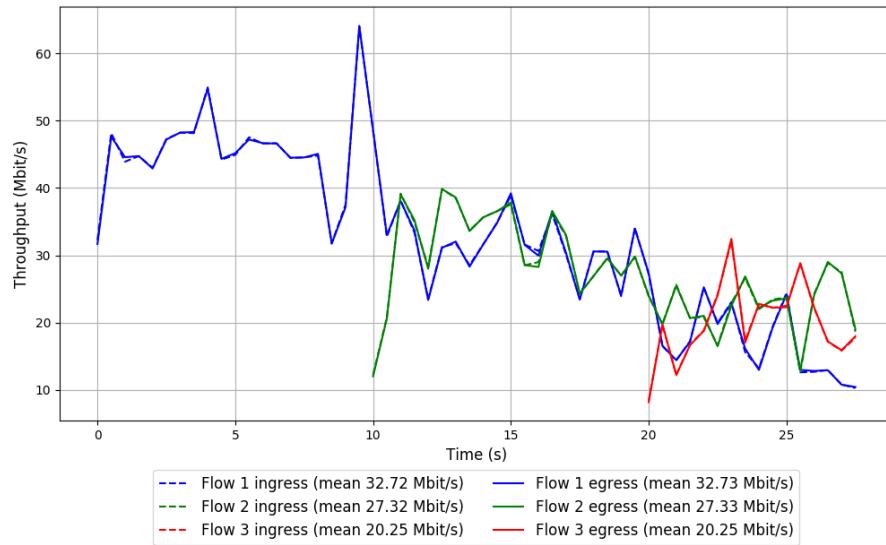


Run 1: Statistics of Copa

```
Start at: 2017-09-08 00:59:07
End at: 2017-09-08 00:59:37
Local clock offset: -0.109 ms
Remote clock offset: -4.756 ms

# Below is generated by plot.py at 2017-09-08 04:47:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 10.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 10.371 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 11.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 10.224 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

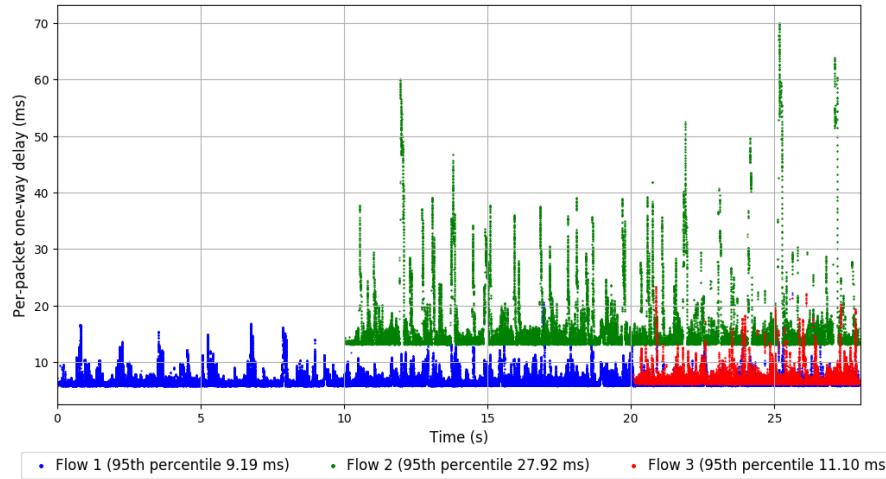
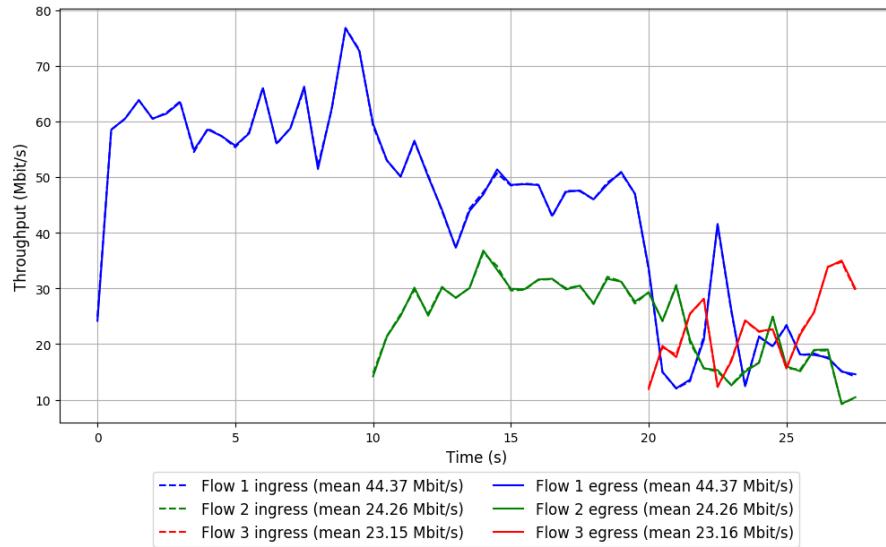


Run 2: Statistics of Copa

```
Start at: 2017-09-08 01:17:09
End at: 2017-09-08 01:17:39
Local clock offset: 0.05 ms
Remote clock offset: -4.304 ms

# Below is generated by plot.py at 2017-09-08 04:47:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.42 Mbit/s
95th percentile per-packet one-way delay: 15.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 9.187 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 27.919 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 11.095 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

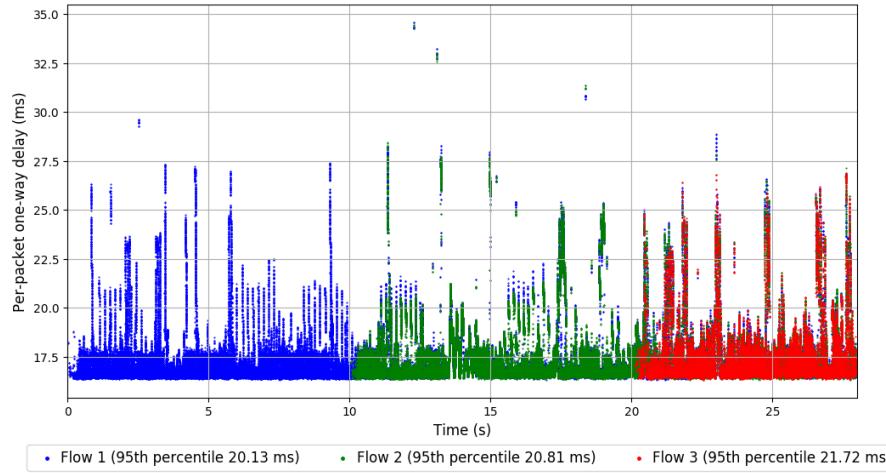
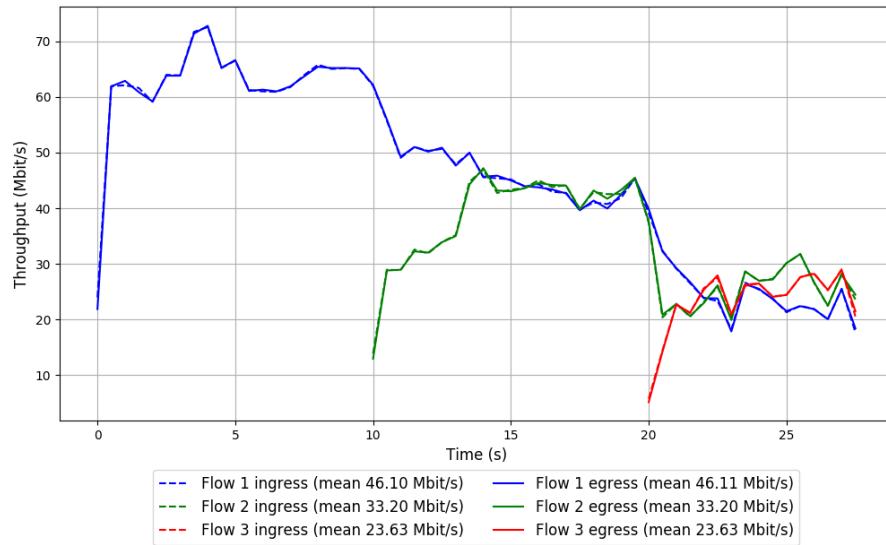


Run 3: Statistics of Copa

```
Start at: 2017-09-08 01:35:37
End at: 2017-09-08 01:36:07
Local clock offset: -1.513 ms
Remote clock offset: -2.771 ms

# Below is generated by plot.py at 2017-09-08 04:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 20.132 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 20.812 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 21.720 ms
Loss rate: 0.04%
```

Run 3: Report of Copa — Data Link

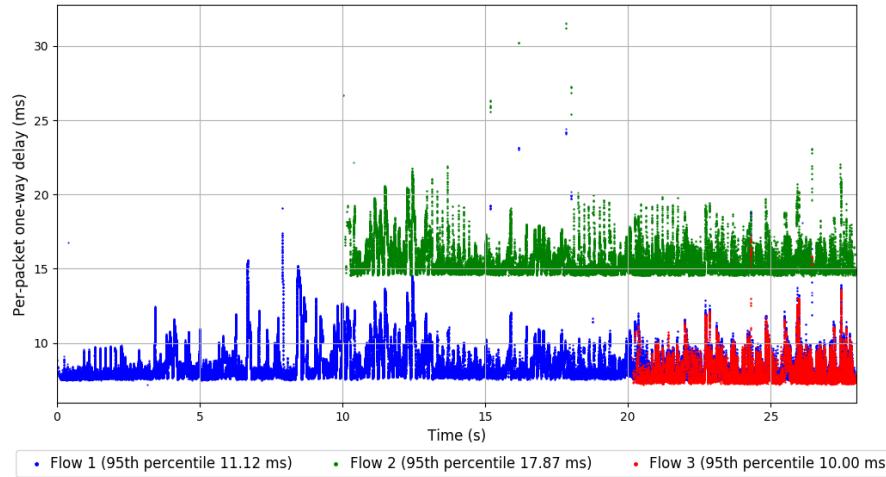
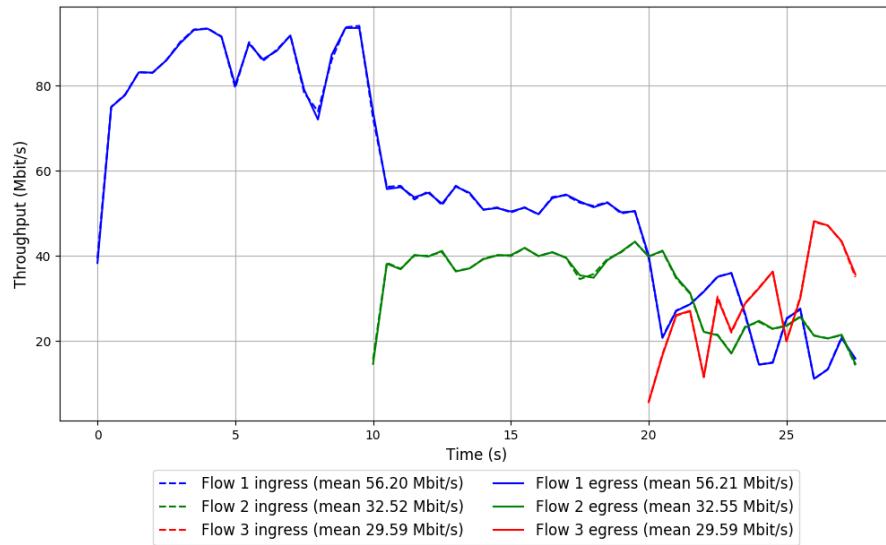


Run 4: Statistics of Copa

```
Start at: 2017-09-08 01:54:12
End at: 2017-09-08 01:54:42
Local clock offset: 0.765 ms
Remote clock offset: -2.674 ms

# Below is generated by plot.py at 2017-09-08 04:47:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 16.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 11.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 17.870 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 10.004 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

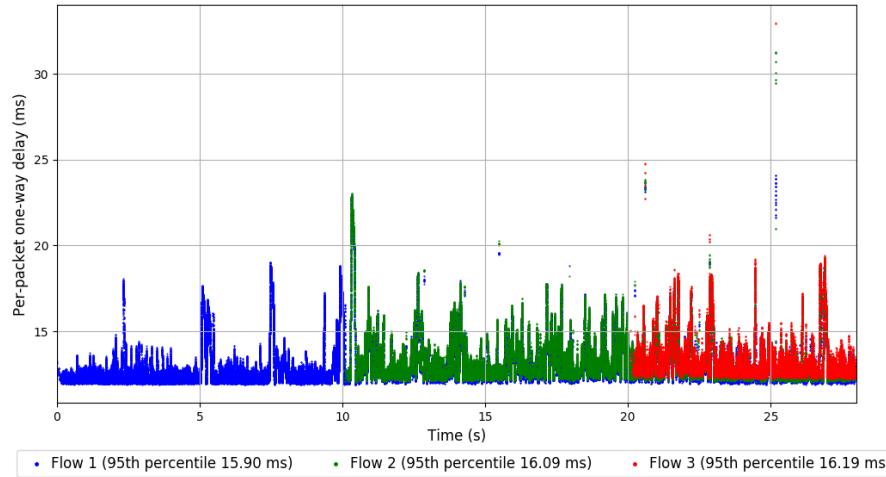
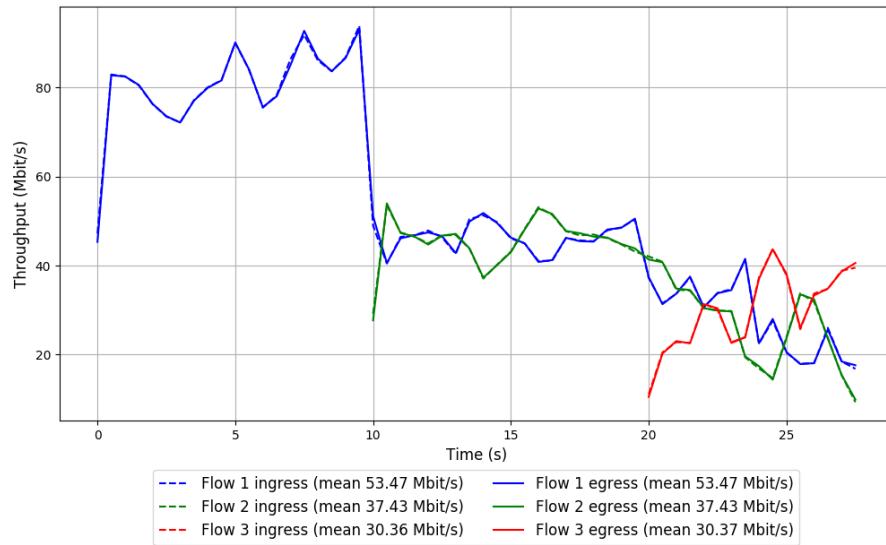


Run 5: Statistics of Copa

```
Start at: 2017-09-08 02:12:45
End at: 2017-09-08 02:13:15
Local clock offset: -3.76 ms
Remote clock offset: -3.107 ms

# Below is generated by plot.py at 2017-09-08 04:47:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 15.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 15.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 16.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 16.194 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

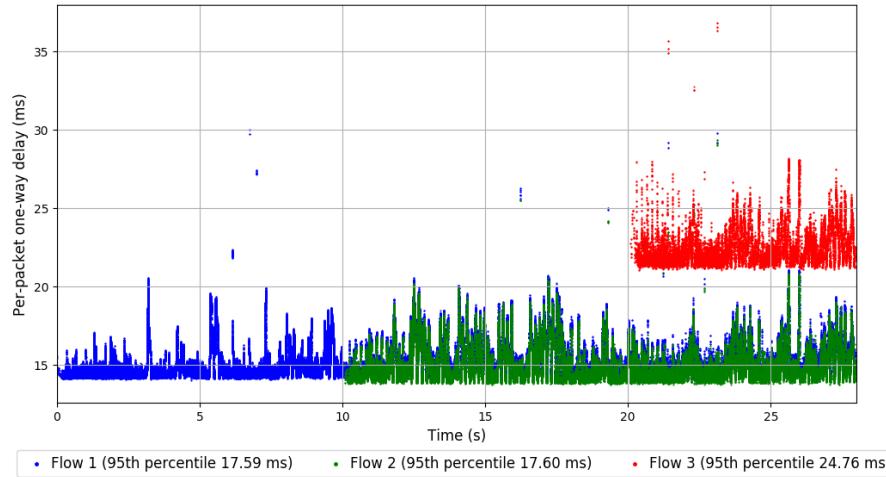
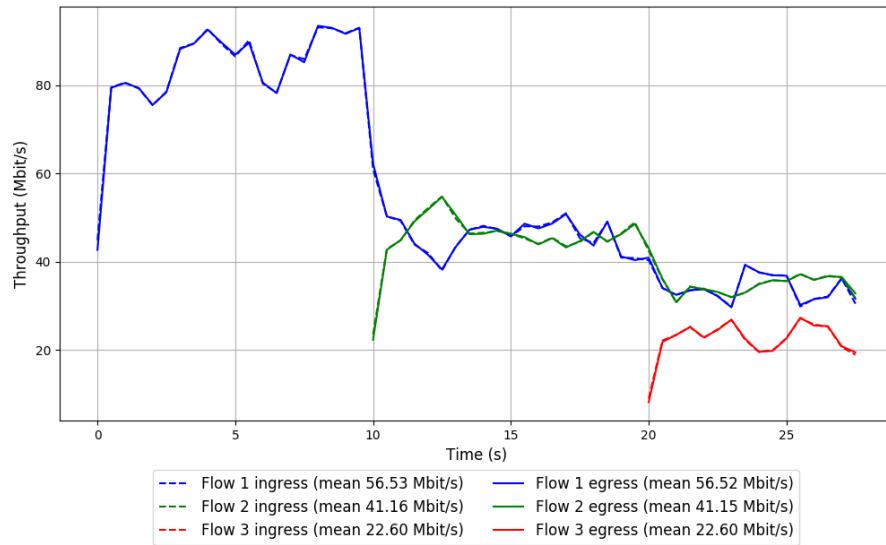


Run 6: Statistics of Copa

```
Start at: 2017-09-08 02:31:22
End at: 2017-09-08 02:31:52
Local clock offset: -4.334 ms
Remote clock offset: -2.076 ms

# Below is generated by plot.py at 2017-09-08 04:47:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 21.796 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 17.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 17.601 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 24.759 ms
Loss rate: 0.10%
```

Run 6: Report of Copa — Data Link

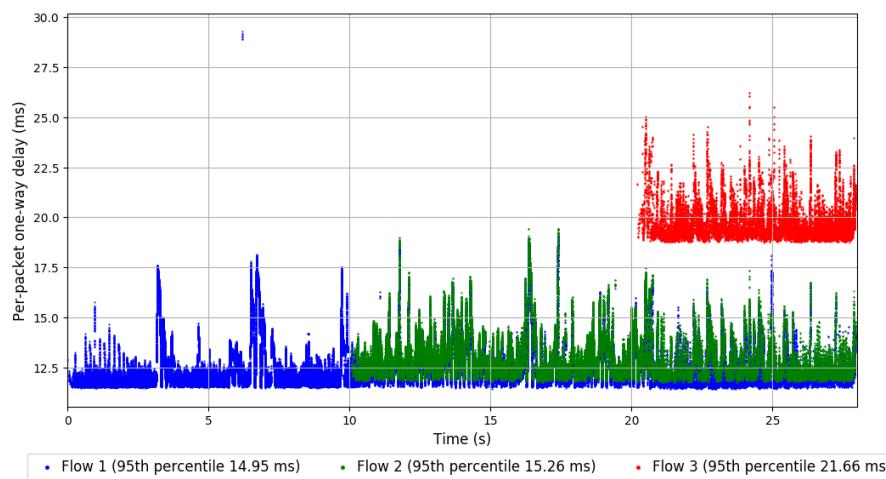
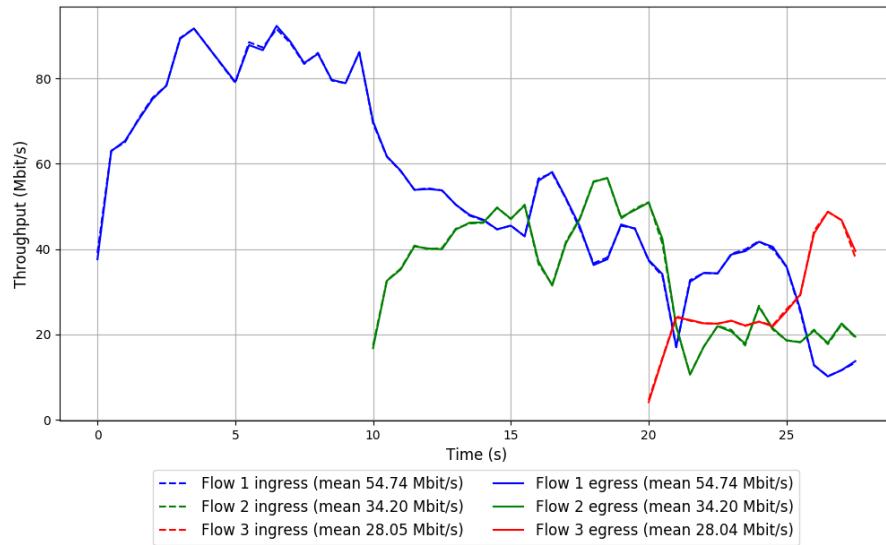


Run 7: Statistics of Copa

```
Start at: 2017-09-08 02:50:13
End at: 2017-09-08 02:50:43
Local clock offset: -0.281 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2017-09-08 04:48:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 14.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 15.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 21.660 ms
Loss rate: 0.09%
```

Run 7: Report of Copa — Data Link

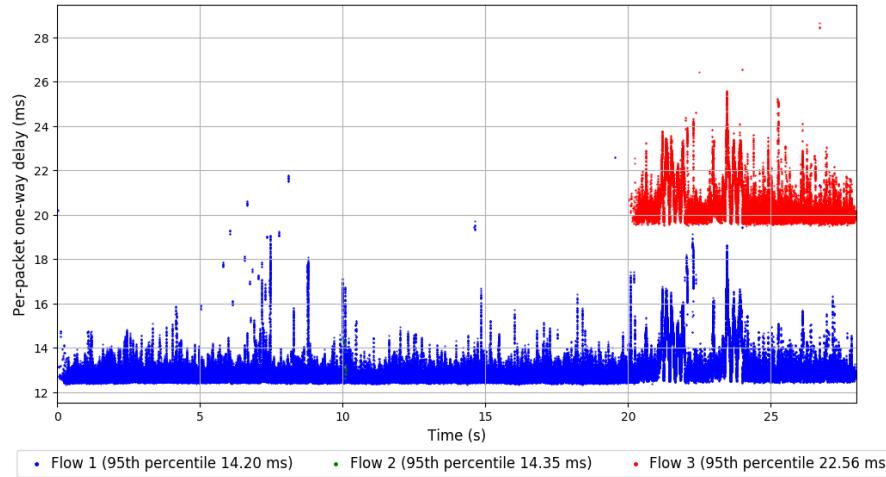
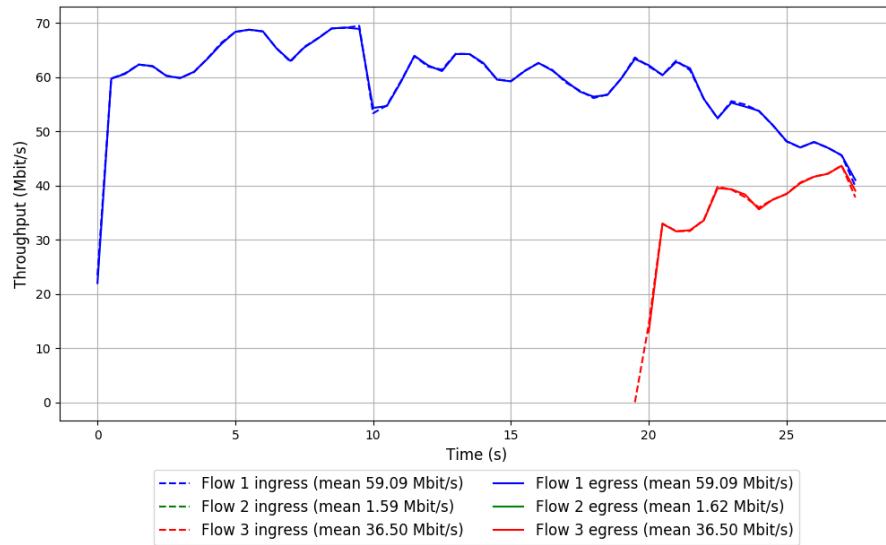


Run 8: Statistics of Copa

```
Start at: 2017-09-08 03:08:52
End at: 2017-09-08 03:09:22
Local clock offset: -0.015 ms
Remote clock offset: 0.934 ms

# Below is generated by plot.py at 2017-09-08 04:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 20.426 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 14.196 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 14.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 22.560 ms
Loss rate: 0.09%
```

Run 8: Report of Copa — Data Link

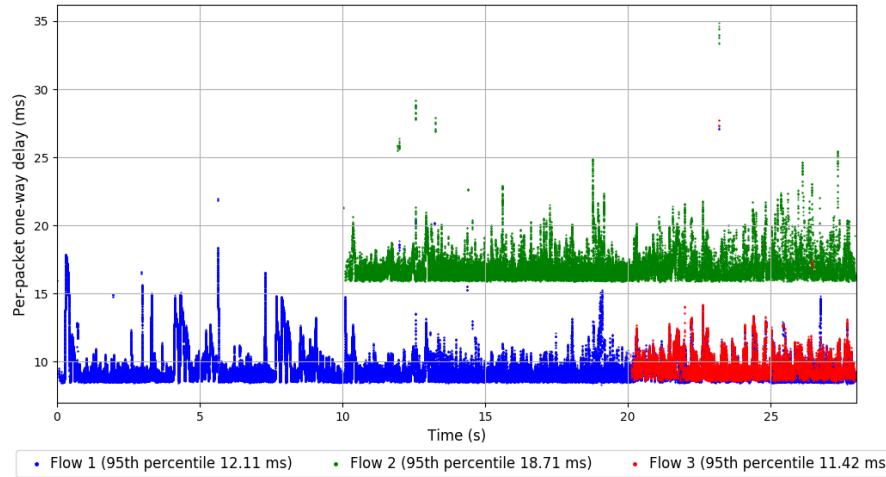
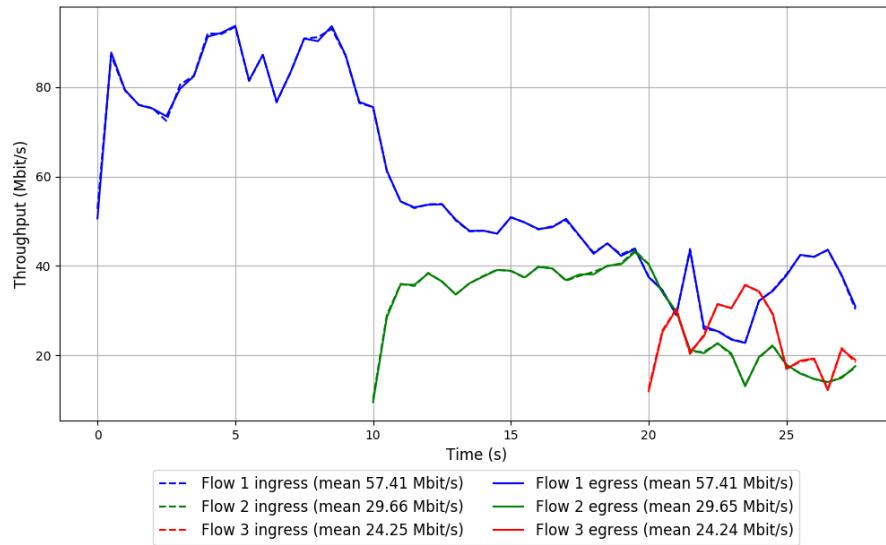


Run 9: Statistics of Copa

```
Start at: 2017-09-08 03:28:05
End at: 2017-09-08 03:28:35
Local clock offset: -0.065 ms
Remote clock offset: -2.719 ms

# Below is generated by plot.py at 2017-09-08 04:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 17.210 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 12.105 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 18.710 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 11.424 ms
Loss rate: 0.09%
```

Run 9: Report of Copa — Data Link

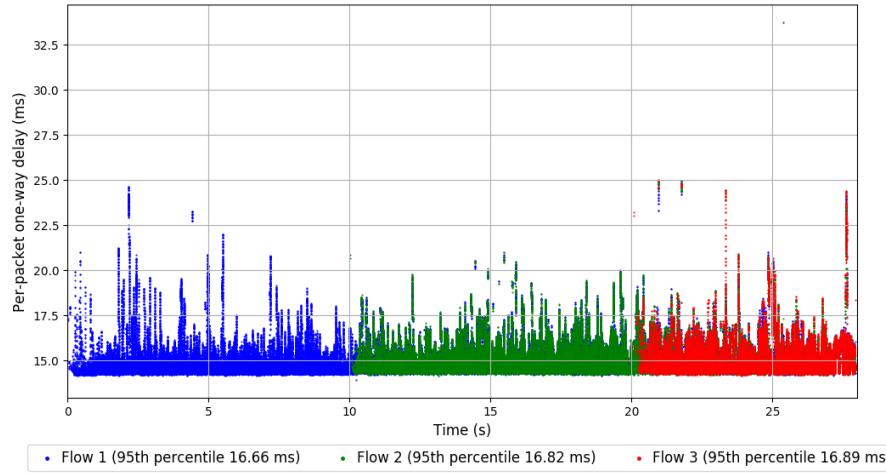
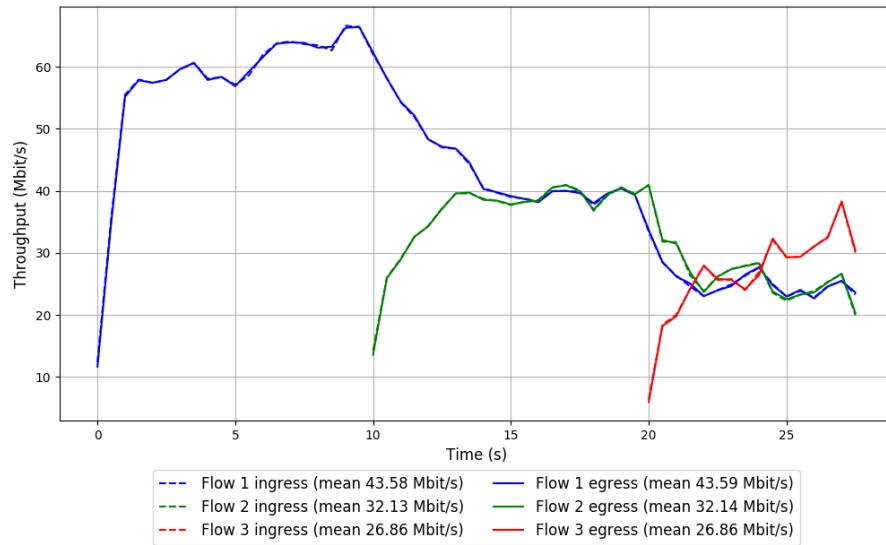


Run 10: Statistics of Copa

```
Start at: 2017-09-08 03:46:43
End at: 2017-09-08 03:47:13
Local clock offset: 1.388 ms
Remote clock offset: -2.867 ms

# Below is generated by plot.py at 2017-09-08 04:48:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 16.734 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 16.659 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 16.822 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 16.893 ms
Loss rate: 0.15%
```

Run 10: Report of Copa — Data Link

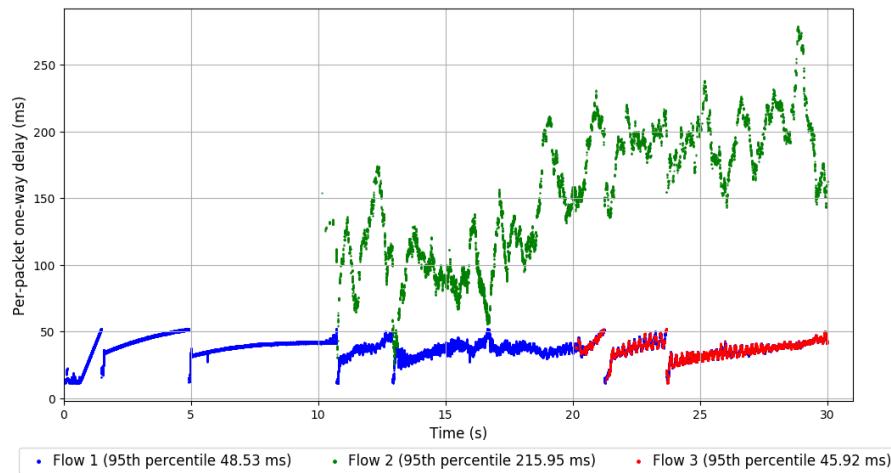
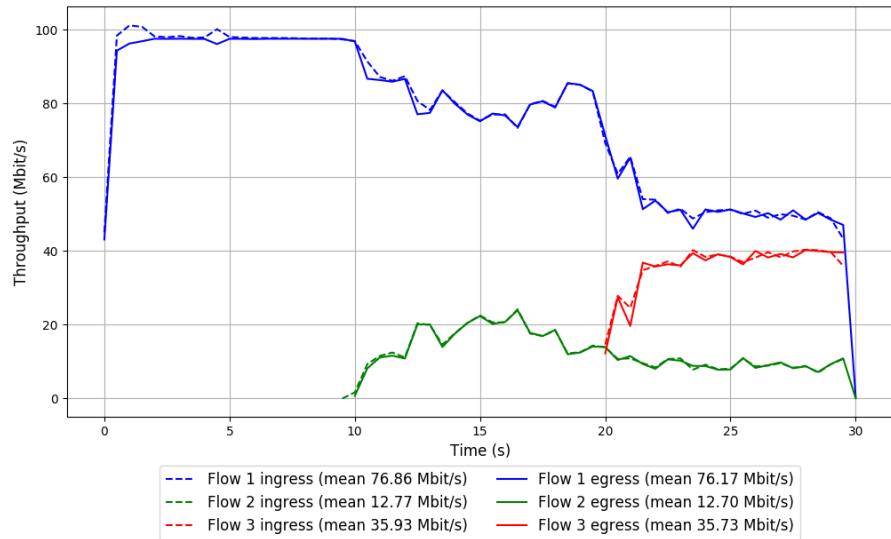


```
Run 1: Statistics of TCP Cubic

Start at: 2017-09-08 01:02:44
End at: 2017-09-08 01:03:14
Local clock offset: -4.711 ms
Remote clock offset: -3.295 ms

# Below is generated by plot.py at 2017-09-08 04:48:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 118.416 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 48.534 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 215.950 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 45.921 ms
Loss rate: 0.79%
```

Run 1: Report of TCP Cubic — Data Link

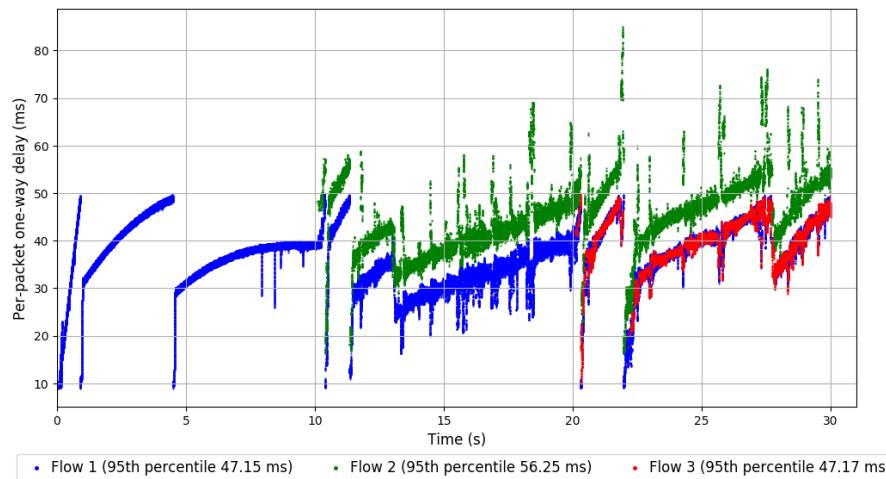
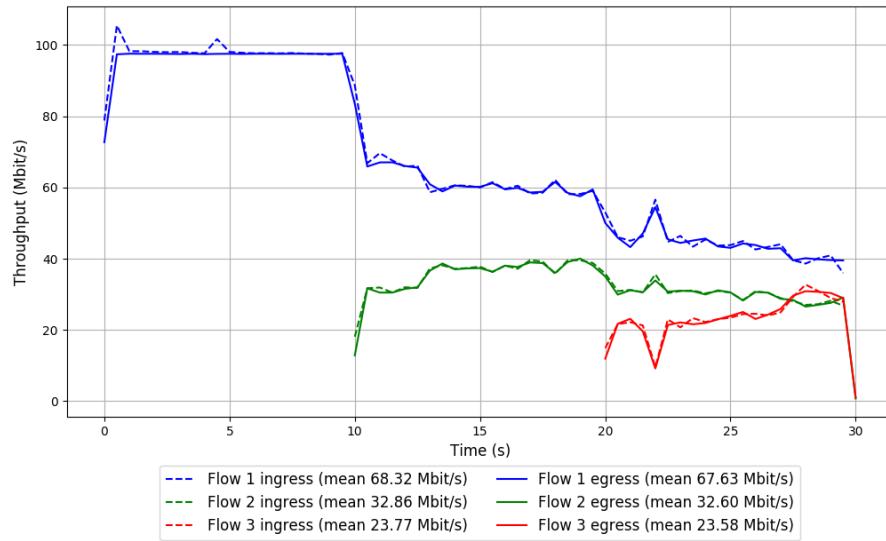


Run 2: Statistics of TCP Cubic

```
Start at: 2017-09-08 01:20:52
End at: 2017-09-08 01:21:22
Local clock offset: -1.739 ms
Remote clock offset: -3.18 ms

# Below is generated by plot.py at 2017-09-08 04:48:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 47.153 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 56.250 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 47.166 ms
Loss rate: 0.76%
```

Run 2: Report of TCP Cubic — Data Link

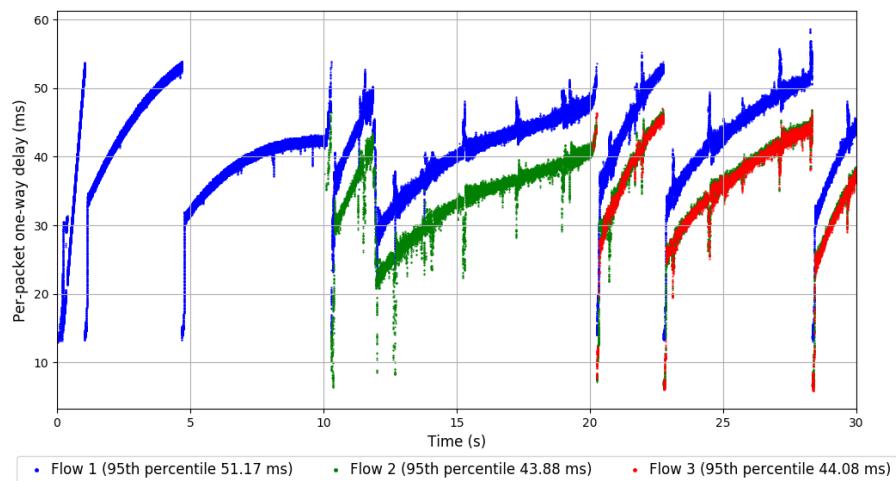
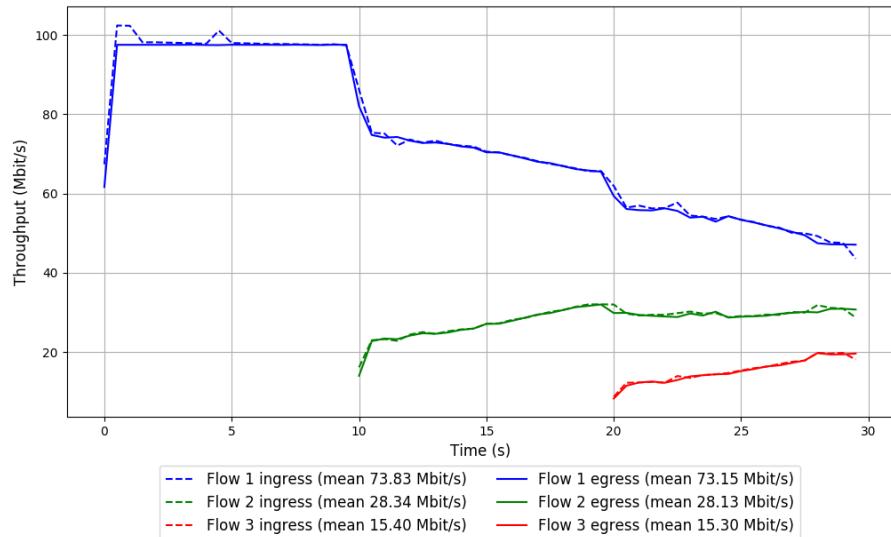


Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-08 01:39:18
End at: 2017-09-08 01:39:48
Local clock offset: 0.199 ms
Remote clock offset: -4.448 ms

# Below is generated by plot.py at 2017-09-08 04:48:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 51.172 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 43.876 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 44.083 ms
Loss rate: 0.67%
```

Run 3: Report of TCP Cubic — Data Link

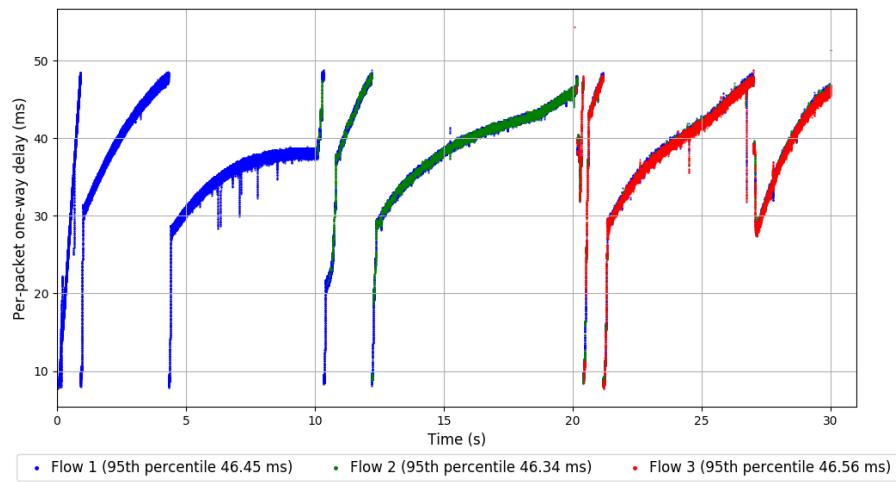
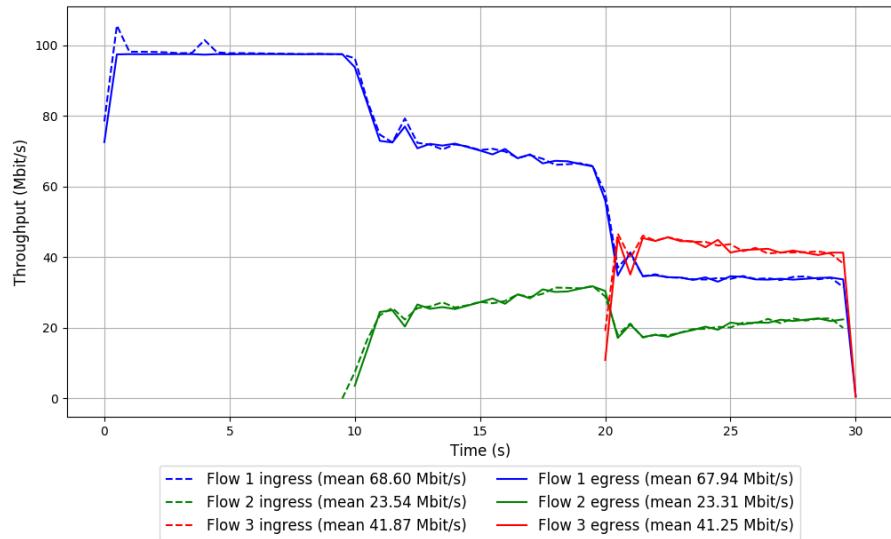


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-08 01:57:53
End at: 2017-09-08 01:58:23
Local clock offset: 0.491 ms
Remote clock offset: -2.939 ms

# Below is generated by plot.py at 2017-09-08 04:48:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 46.477 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 67.94 Mbit/s
95th percentile per-packet one-way delay: 46.446 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 46.335 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 46.562 ms
Loss rate: 1.56%
```

Run 4: Report of TCP Cubic — Data Link

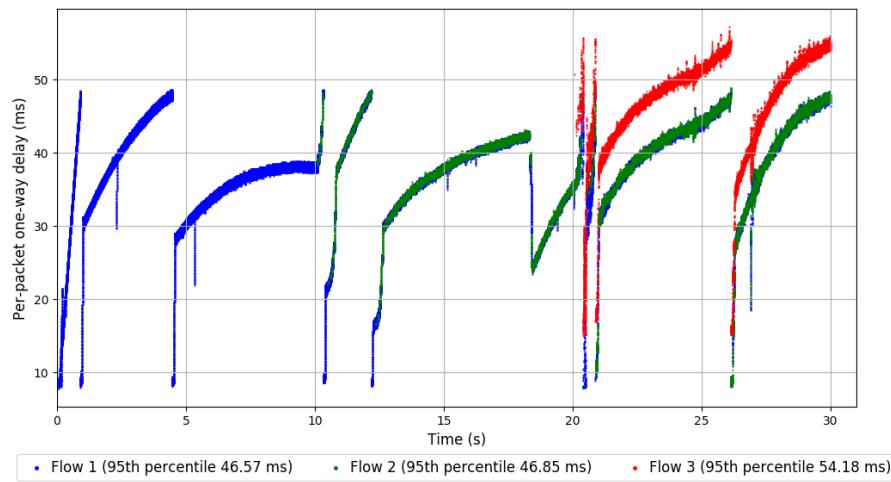
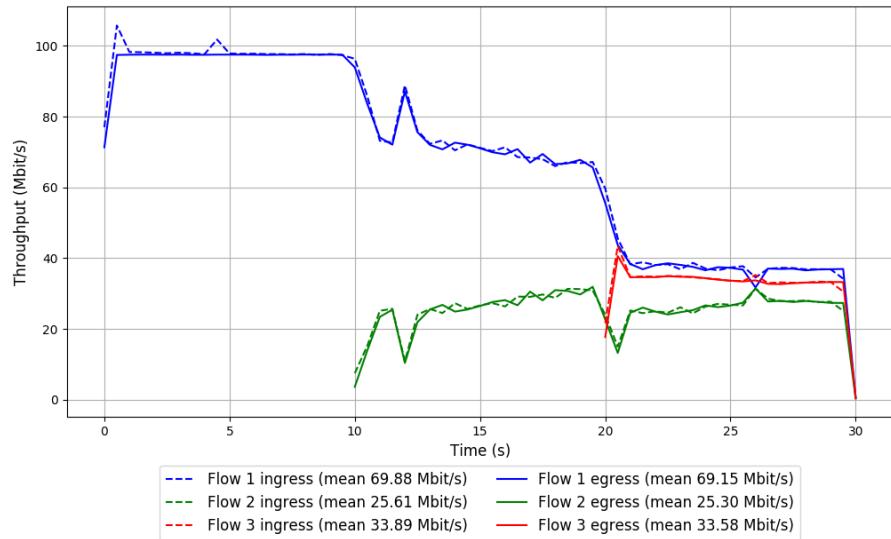


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-08 02:16:25
End at: 2017-09-08 02:16:55
Local clock offset: 1.888 ms
Remote clock offset: -1.88 ms

# Below is generated by plot.py at 2017-09-08 04:49:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 49.282 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 46.573 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 46.851 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 1.02%
```

Run 5: Report of TCP Cubic — Data Link

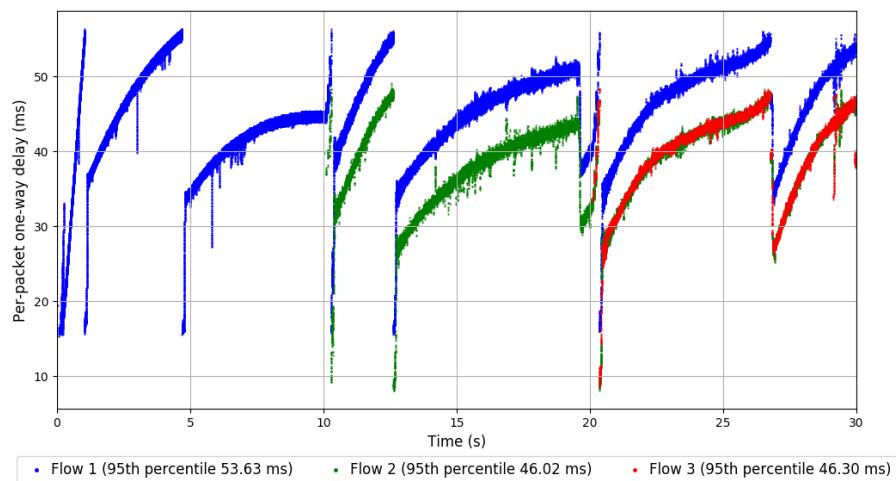
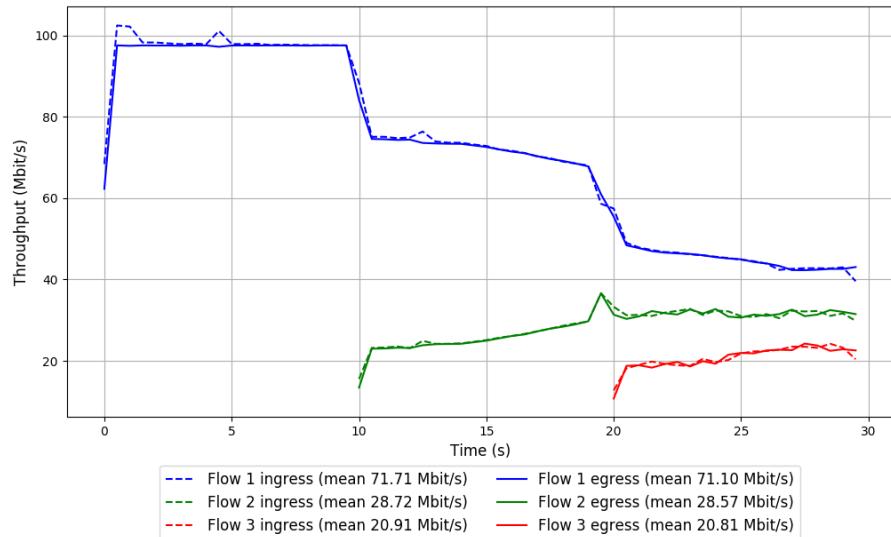


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-08 02:35:11
End at: 2017-09-08 02:35:41
Local clock offset: 0.038 ms
Remote clock offset: -3.538 ms

# Below is generated by plot.py at 2017-09-08 04:49:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 53.121 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 71.10 Mbit/s
95th percentile per-packet one-way delay: 53.632 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 46.024 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 46.301 ms
Loss rate: 0.43%
```

Run 6: Report of TCP Cubic — Data Link

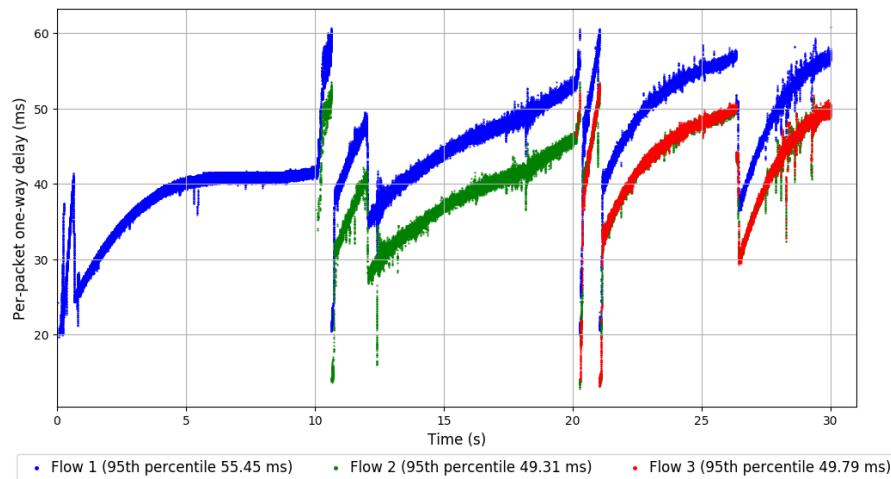
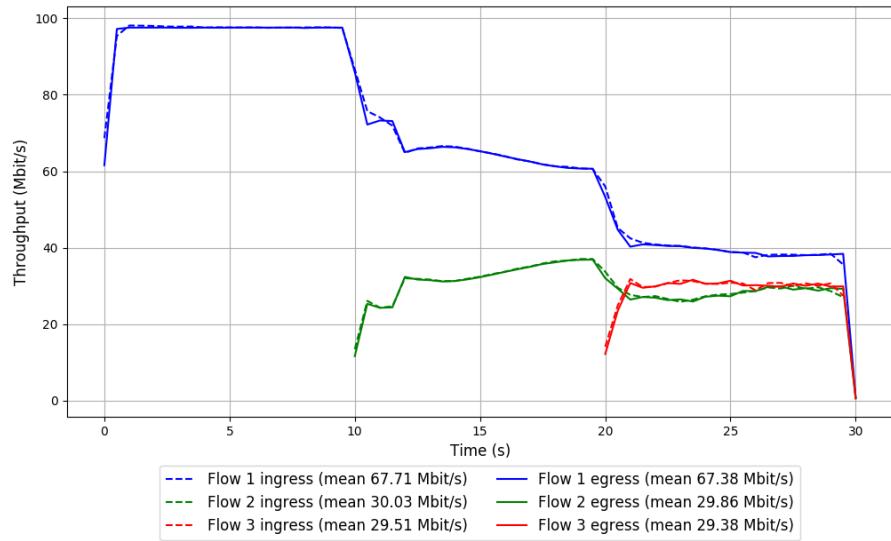


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-08 02:53:59
End at: 2017-09-08 02:54:29
Local clock offset: -1.497 ms
Remote clock offset: -0.346 ms

# Below is generated by plot.py at 2017-09-08 04:49:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 54.527 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 67.38 Mbit/s
95th percentile per-packet one-way delay: 55.449 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 49.313 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 49.790 ms
Loss rate: 0.42%
```

Run 7: Report of TCP Cubic — Data Link

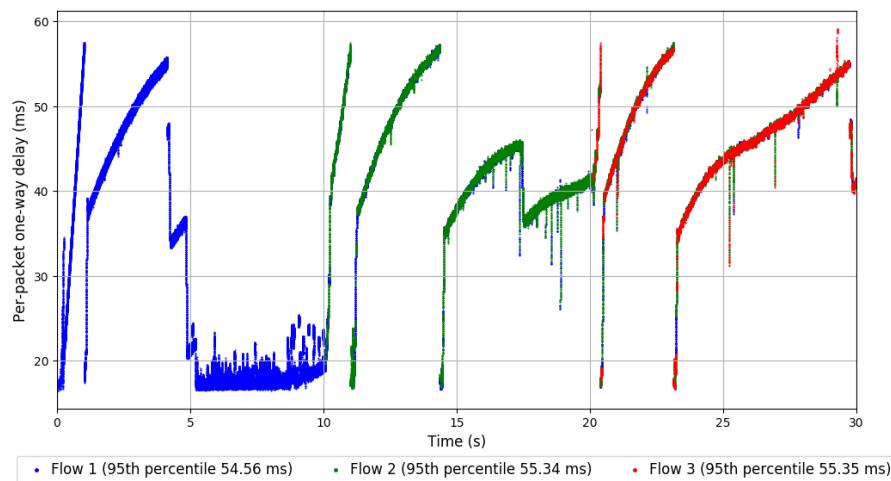
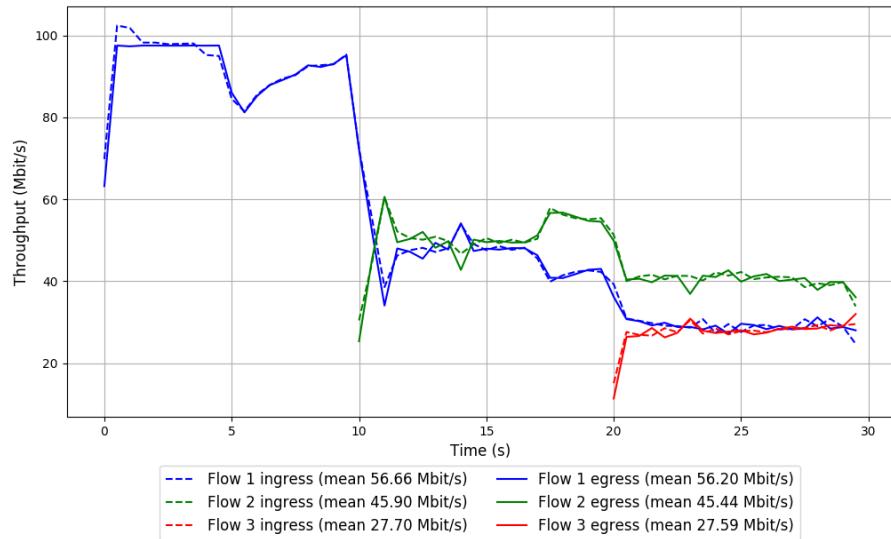


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-08 03:12:40
End at: 2017-09-08 03:13:10
Local clock offset: 1.865 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2017-09-08 04:49:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 54.859 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 54.562 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 55.339 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 55.353 ms
Loss rate: 0.53%
```

Run 8: Report of TCP Cubic — Data Link

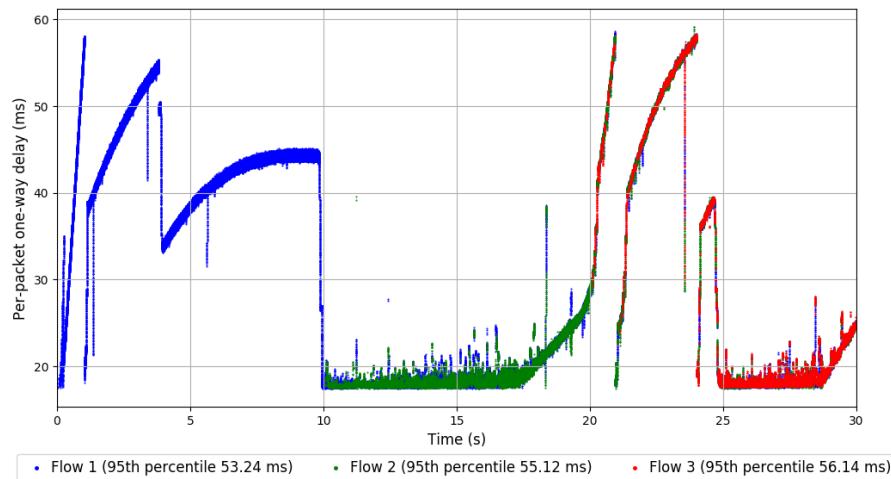
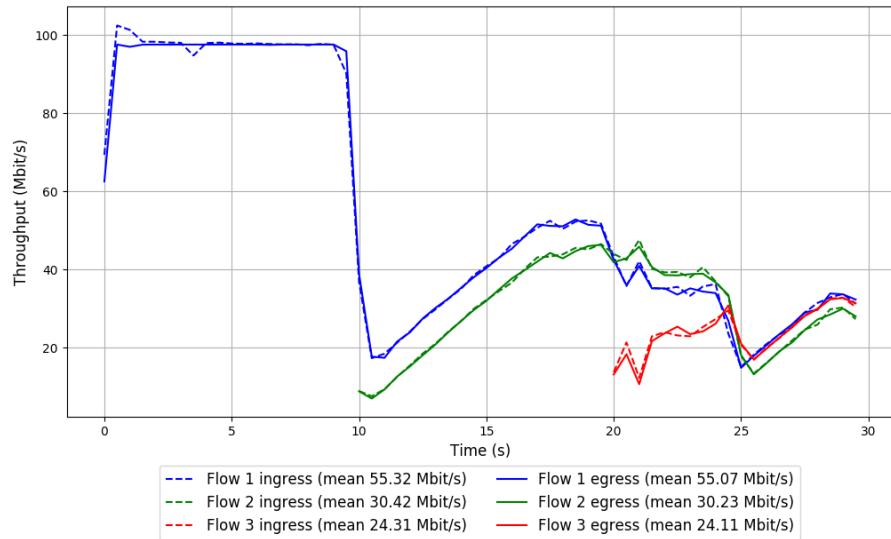


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-08 03:31:47
End at: 2017-09-08 03:32:17
Local clock offset: 0.063 ms
Remote clock offset: -0.802 ms

# Below is generated by plot.py at 2017-09-08 04:49:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 53.241 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 55.116 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 56.138 ms
Loss rate: 0.94%
```

Run 9: Report of TCP Cubic — Data Link

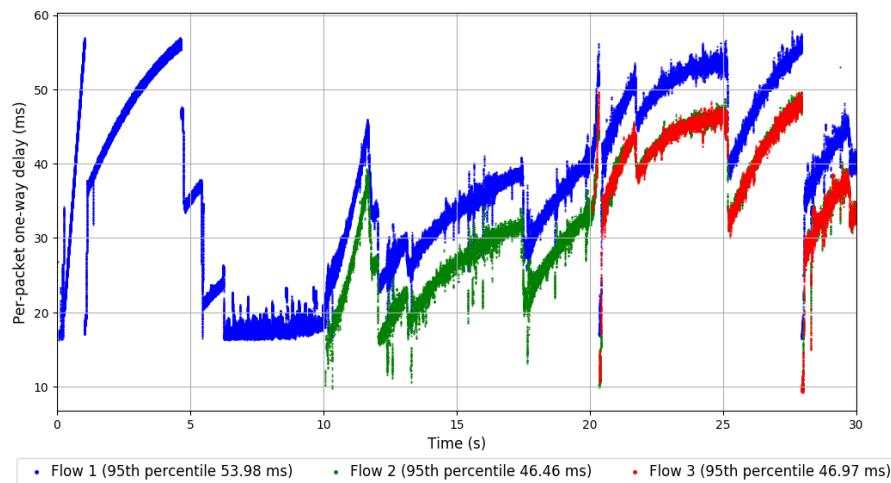
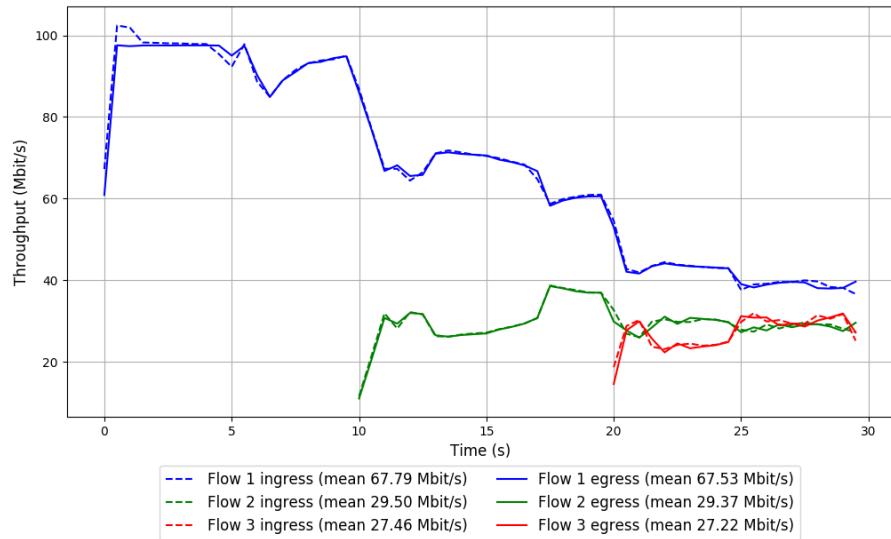


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-09-08 03:50:32
End at: 2017-09-08 03:51:02
Local clock offset: 0.057 ms
Remote clock offset: -2.329 ms

# Below is generated by plot.py at 2017-09-08 04:49:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 53.288 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 67.53 Mbit/s
95th percentile per-packet one-way delay: 53.983 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 46.458 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 46.974 ms
Loss rate: 0.92%
```

Run 10: Report of TCP Cubic — Data Link

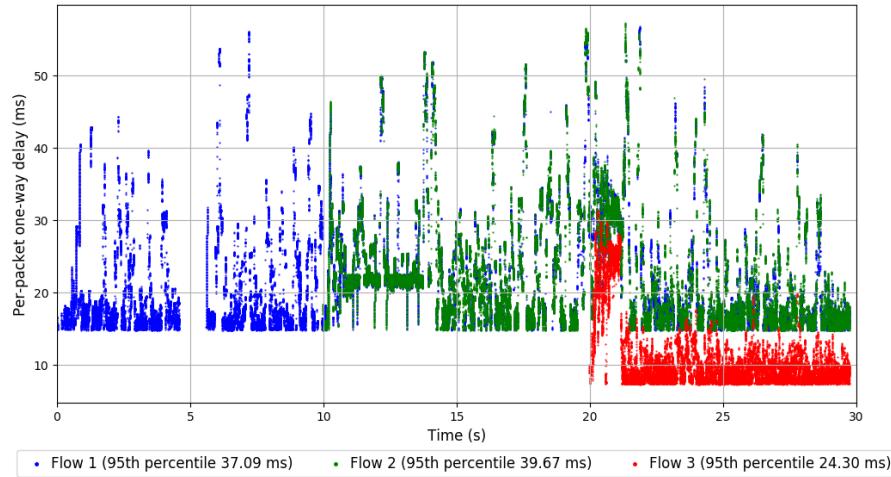
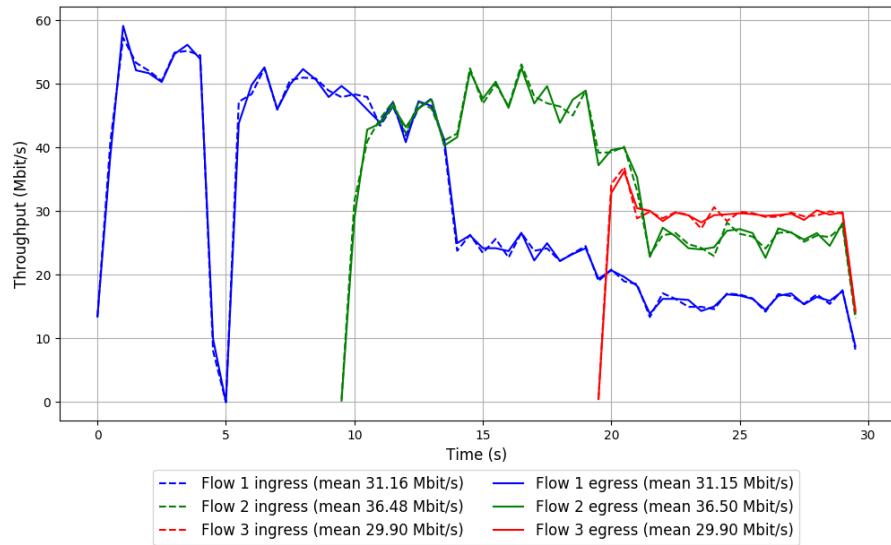


Run 1: Statistics of Indigo

```
Start at: 2017-09-08 01:10:00
End at: 2017-09-08 01:10:30
Local clock offset: -1.361 ms
Remote clock offset: -4.151 ms

# Below is generated by plot.py at 2017-09-08 04:49:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 36.849 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 37.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 39.667 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 24.295 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

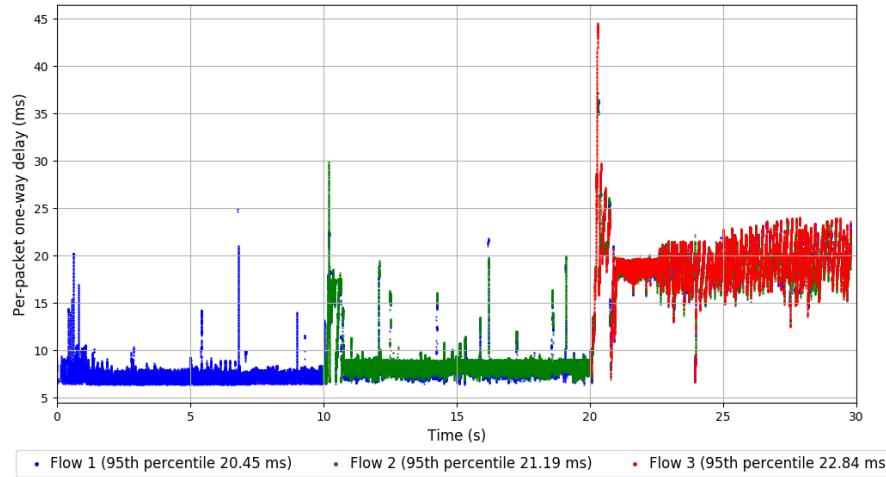
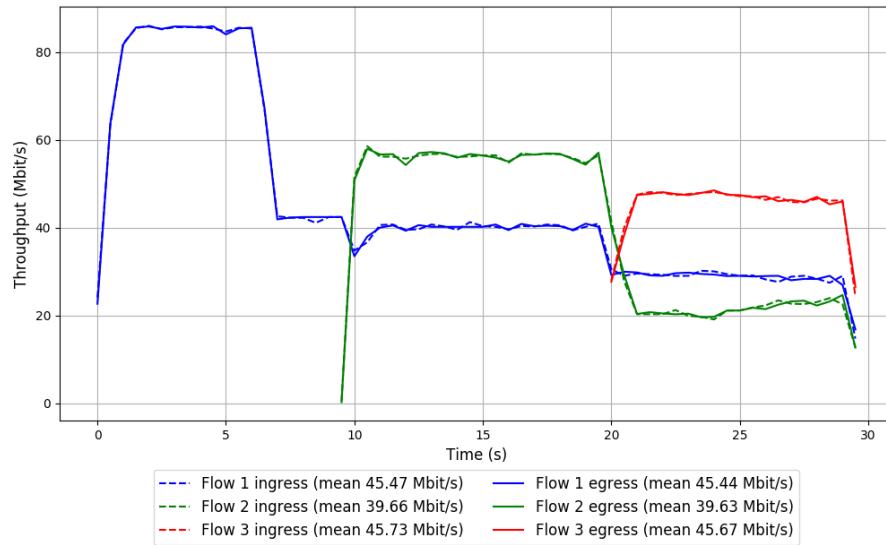


Run 2: Statistics of Indigo

```
Start at: 2017-09-08 01:28:21
End at: 2017-09-08 01:28:51
Local clock offset: -0.72 ms
Remote clock offset: -4.557 ms

# Below is generated by plot.py at 2017-09-08 04:49:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 21.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 20.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 21.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 22.838 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

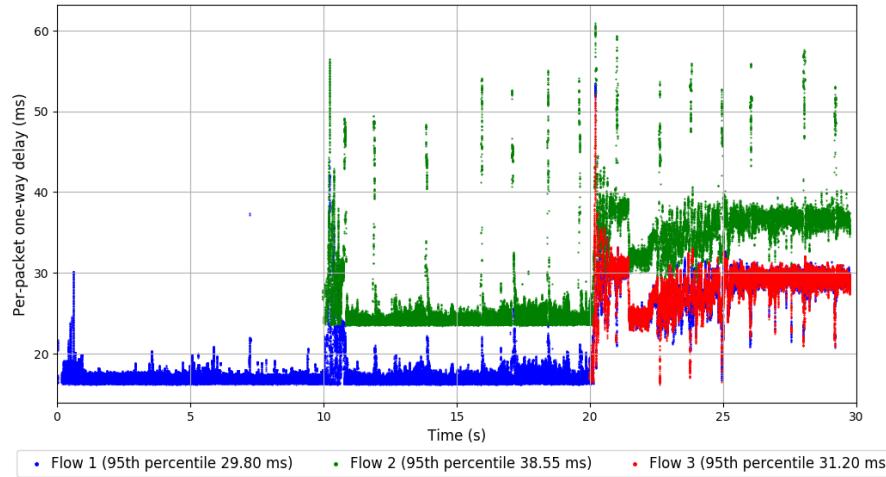
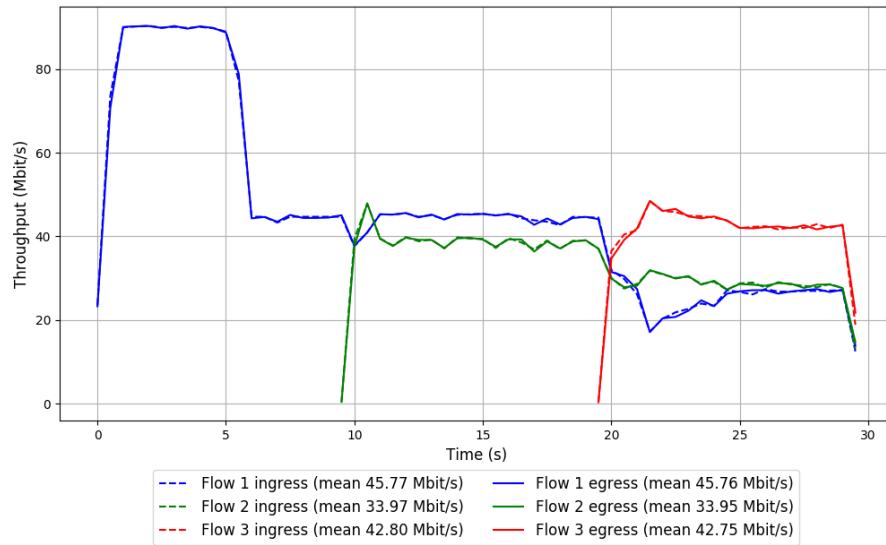


Run 3: Statistics of Indigo

```
Start at: 2017-09-08 01:46:42
End at: 2017-09-08 01:47:12
Local clock offset: -8.732 ms
Remote clock offset: -2.967 ms

# Below is generated by plot.py at 2017-09-08 04:49:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 36.667 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 29.799 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 38.550 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 31.204 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

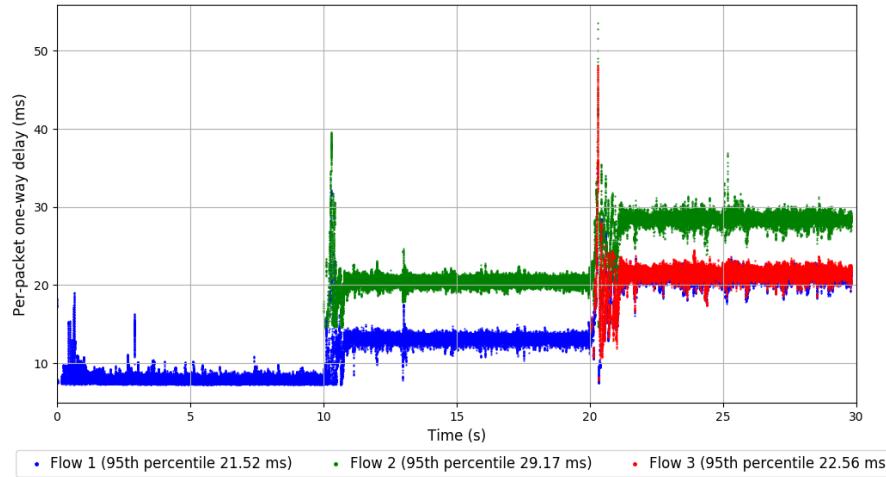
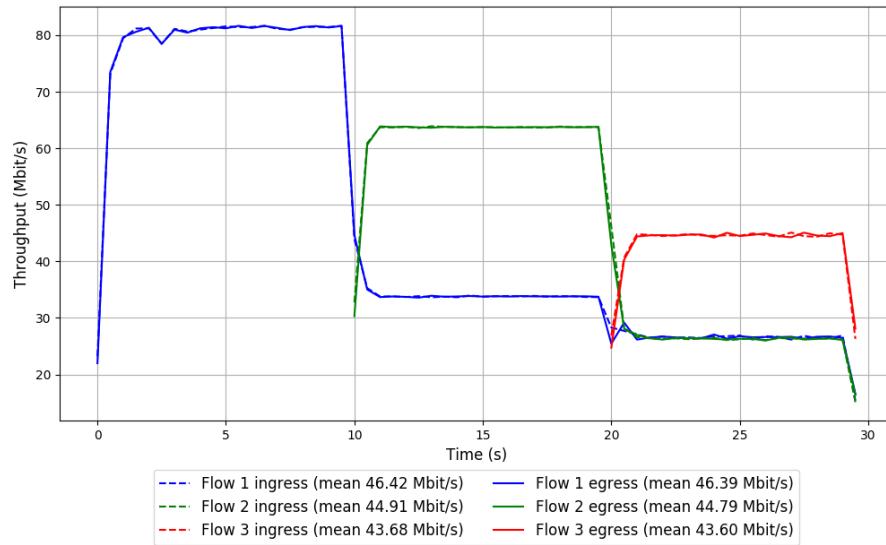


Run 4: Statistics of Indigo

```
Start at: 2017-09-08 02:05:27
End at: 2017-09-08 02:05:57
Local clock offset: 1.099 ms
Remote clock offset: -2.73 ms

# Below is generated by plot.py at 2017-09-08 04:49:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 28.450 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 21.523 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 29.170 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 22.561 ms
Loss rate: 0.12%
```

Run 4: Report of Indigo — Data Link

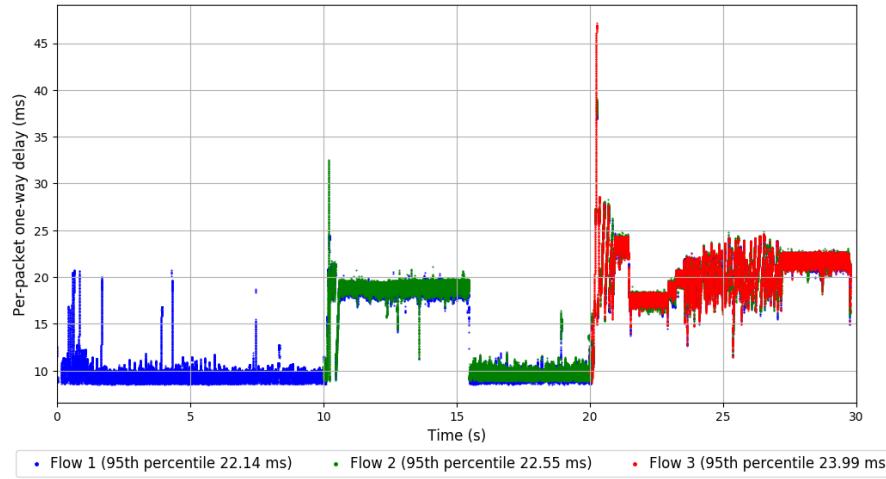
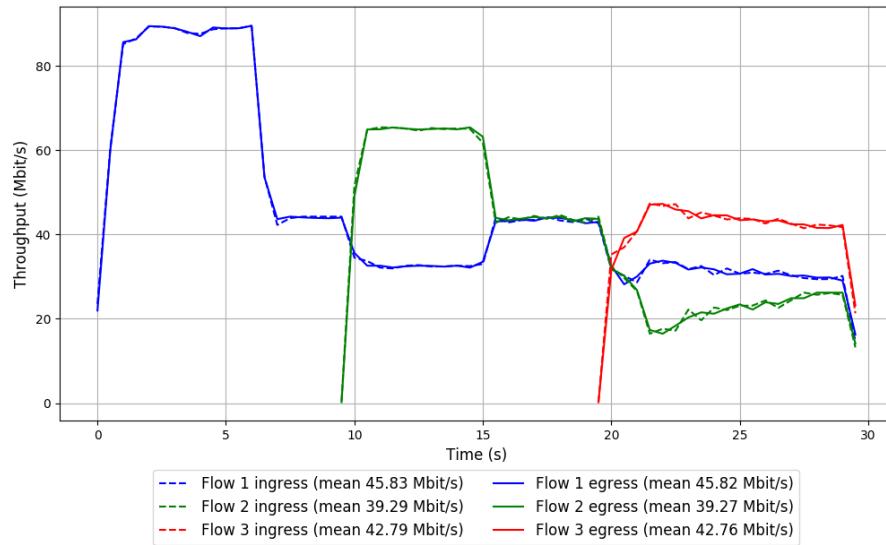


Run 5: Statistics of Indigo

```
Start at: 2017-09-08 02:24:07
End at: 2017-09-08 02:24:37
Local clock offset: 0.125 ms
Remote clock offset: -2.802 ms

# Below is generated by plot.py at 2017-09-08 04:50:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 22.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 22.145 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 22.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 23.988 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

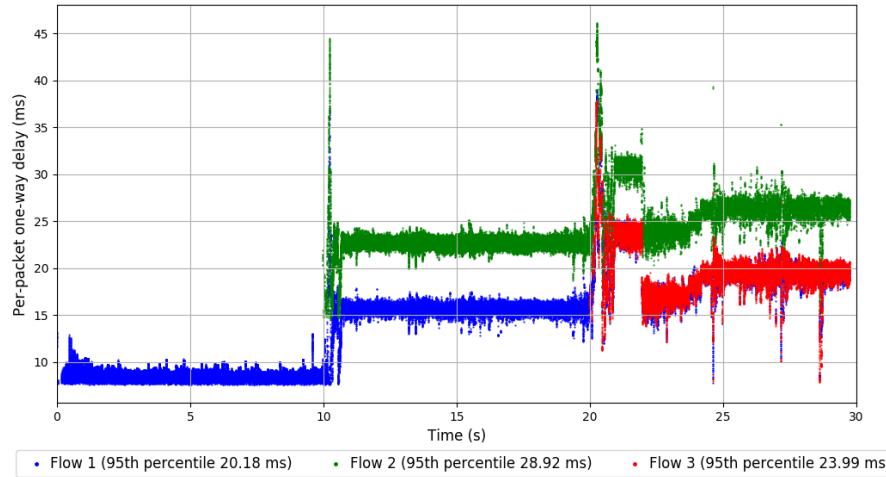
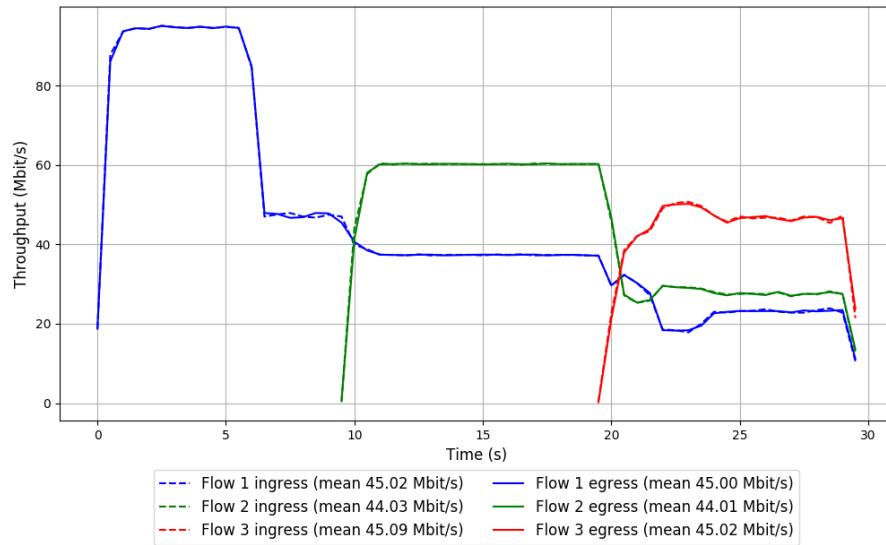


Run 6: Statistics of Indigo

```
Start at: 2017-09-08 02:43:01
End at: 2017-09-08 02:43:31
Local clock offset: 1.814 ms
Remote clock offset: -2.263 ms

# Below is generated by plot.py at 2017-09-08 04:50:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 26.473 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 28.920 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 23.993 ms
Loss rate: 0.11%
```

Run 6: Report of Indigo — Data Link

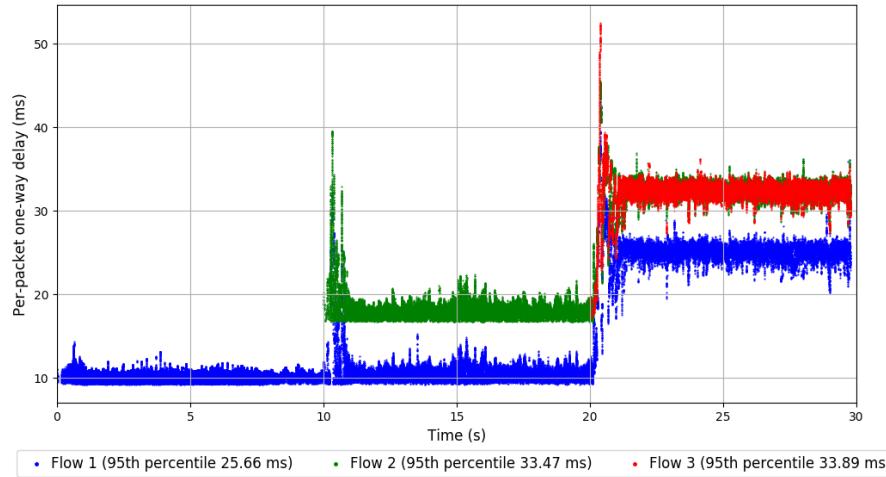
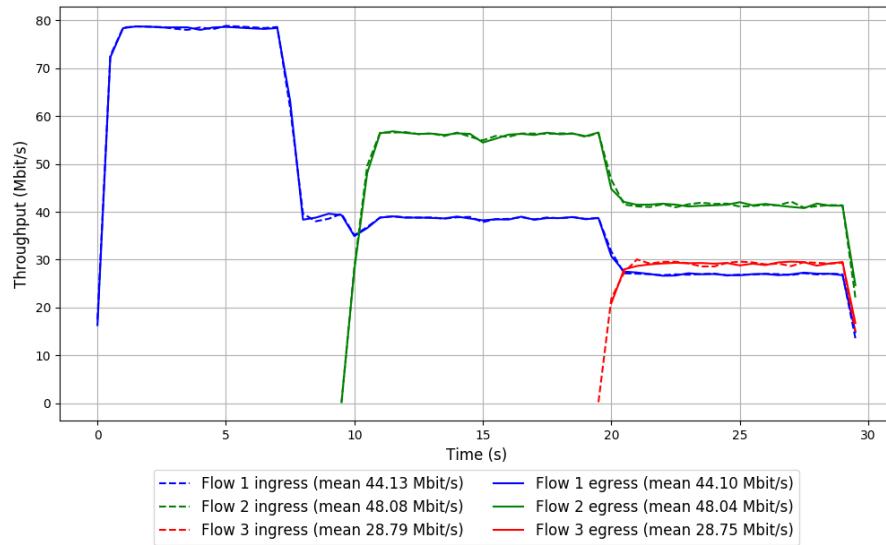


Run 7: Statistics of Indigo

```
Start at: 2017-09-08 03:01:29
End at: 2017-09-08 03:01:59
Local clock offset: 0.06 ms
Remote clock offset: -1.994 ms

# Below is generated by plot.py at 2017-09-08 04:50:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 33.207 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 25.656 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 33.472 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 33.888 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo — Data Link

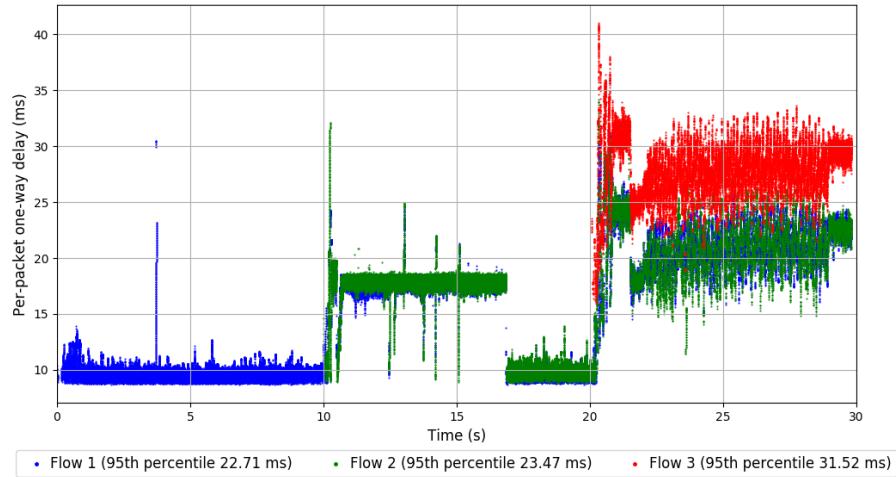
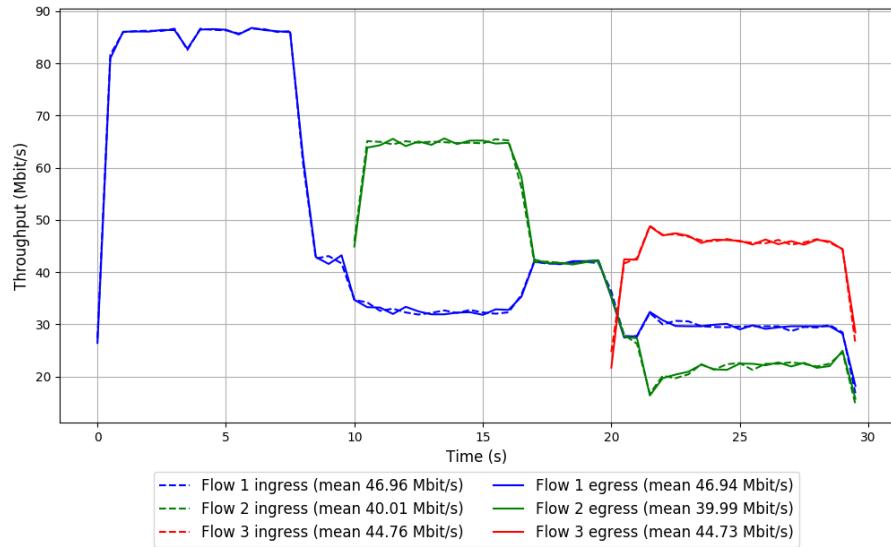


Run 8: Statistics of Indigo

```
Start at: 2017-09-08 03:20:36
End at: 2017-09-08 03:21:06
Local clock offset: 0.076 ms
Remote clock offset: -2.558 ms

# Below is generated by plot.py at 2017-09-08 04:50:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 29.266 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 22.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 23.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 31.518 ms
Loss rate: 0.07%
```

Run 8: Report of Indigo — Data Link

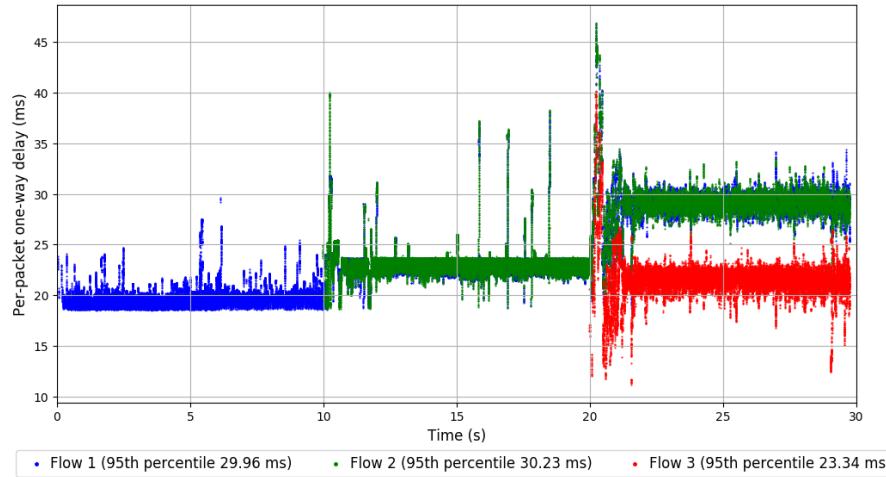
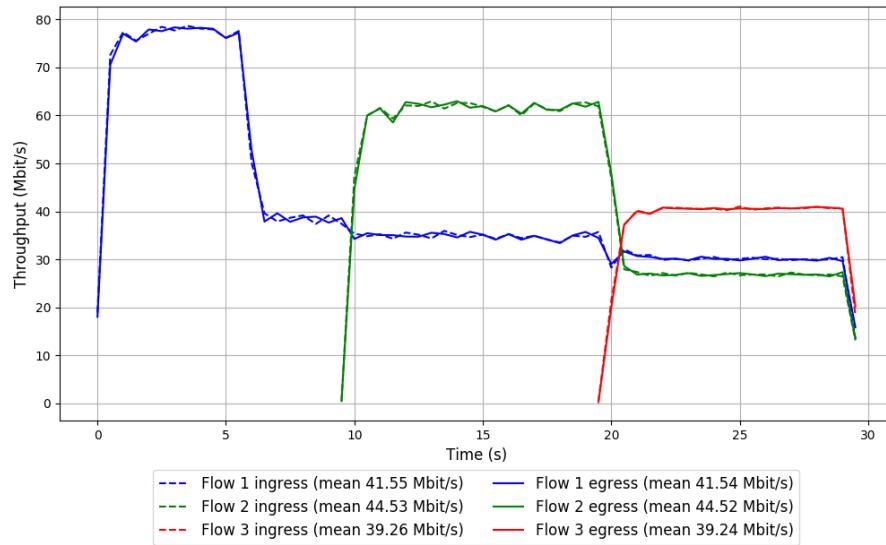


Run 9: Statistics of Indigo

```
Start at: 2017-09-08 03:39:24
End at: 2017-09-08 03:39:54
Local clock offset: -2.092 ms
Remote clock offset: -2.105 ms

# Below is generated by plot.py at 2017-09-08 04:50:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 29.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 29.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 30.230 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 23.342 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

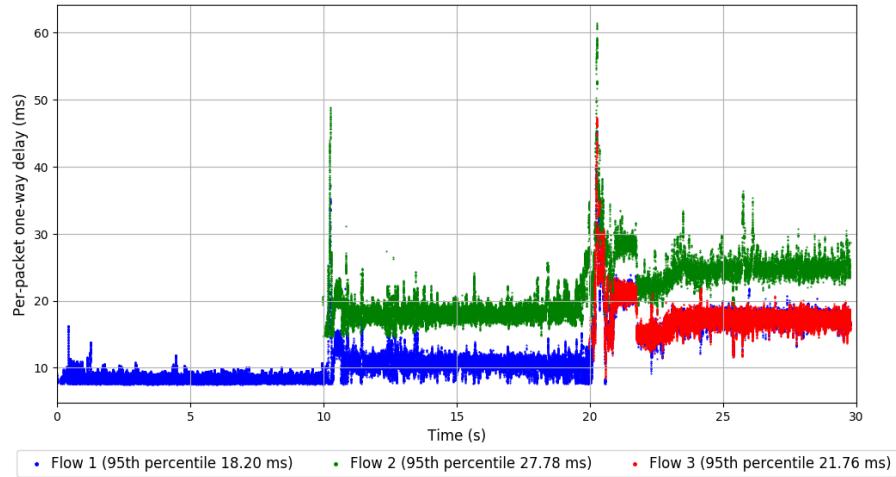
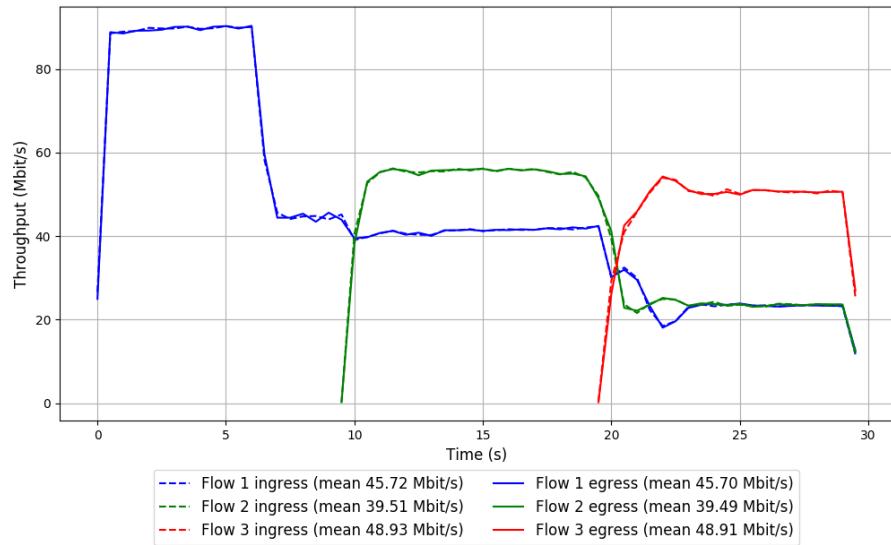


Run 10: Statistics of Indigo

```
Start at: 2017-09-08 03:58:15
End at: 2017-09-08 03:58:45
Local clock offset: 1.199 ms
Remote clock offset: -2.761 ms

# Below is generated by plot.py at 2017-09-08 04:50:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: 24.983 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 18.204 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 27.783 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 21.760 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

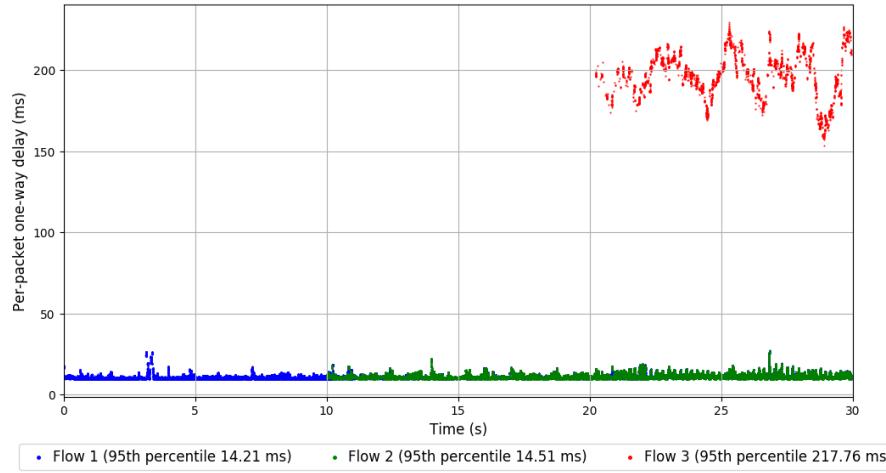
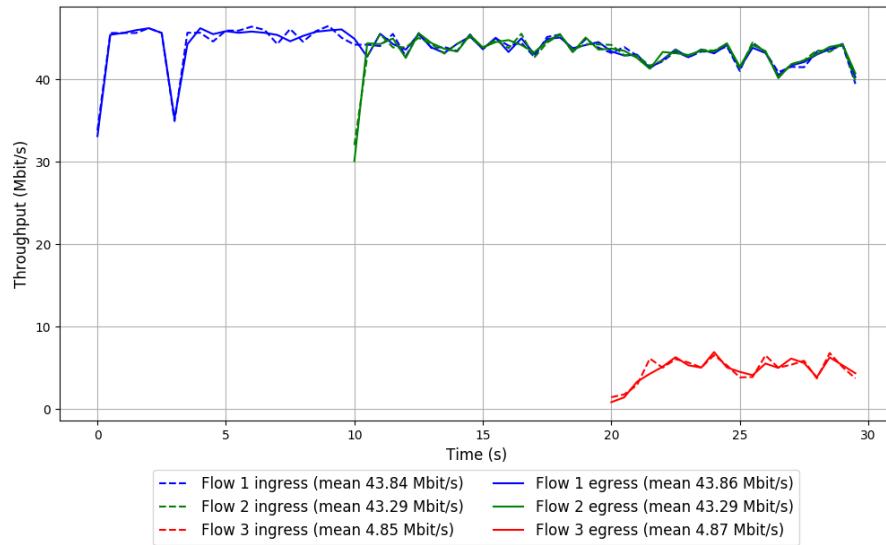


Run 1: Statistics of KohoCC

```
Start at: 2017-09-08 00:56:40
End at: 2017-09-08 00:57:10
Local clock offset: -3.67 ms
Remote clock offset: -4.269 ms

# Below is generated by plot.py at 2017-09-08 04:50:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 15.069 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 14.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 14.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 217.764 ms
Loss rate: 1.52%
```

Run 1: Report of KohoCC — Data Link

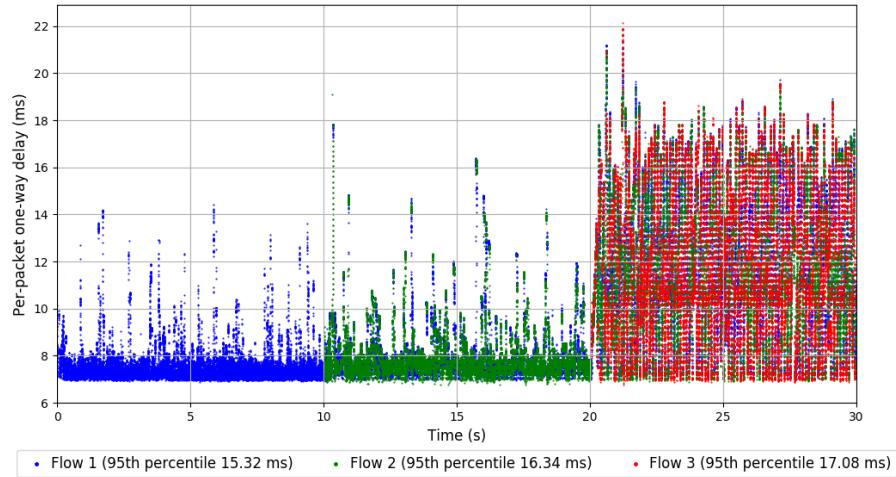
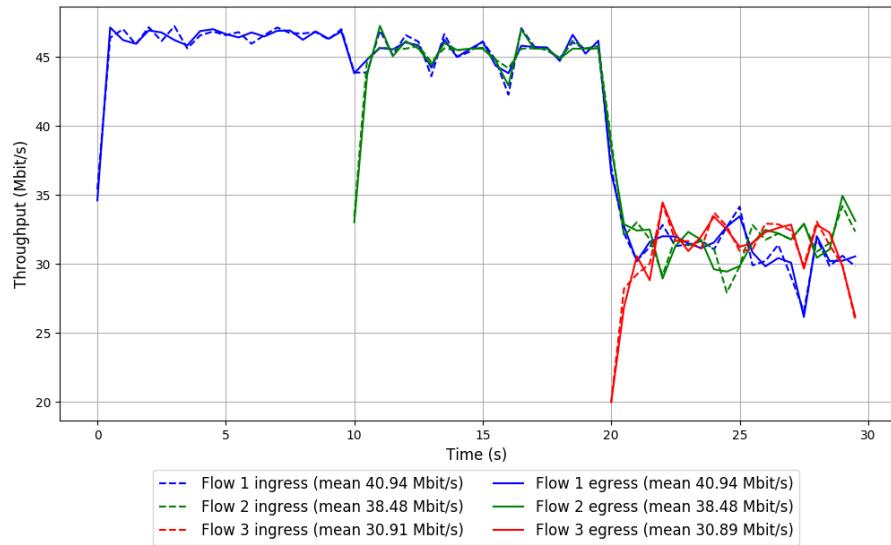


Run 2: Statistics of KohoCC

```
Start at: 2017-09-08 01:14:39
End at: 2017-09-08 01:15:09
Local clock offset: -1.084 ms
Remote clock offset: -4.345 ms

# Below is generated by plot.py at 2017-09-08 04:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 16.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 15.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 16.339 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 17.083 ms
Loss rate: 0.00%
```

Run 2: Report of KohoCC — Data Link

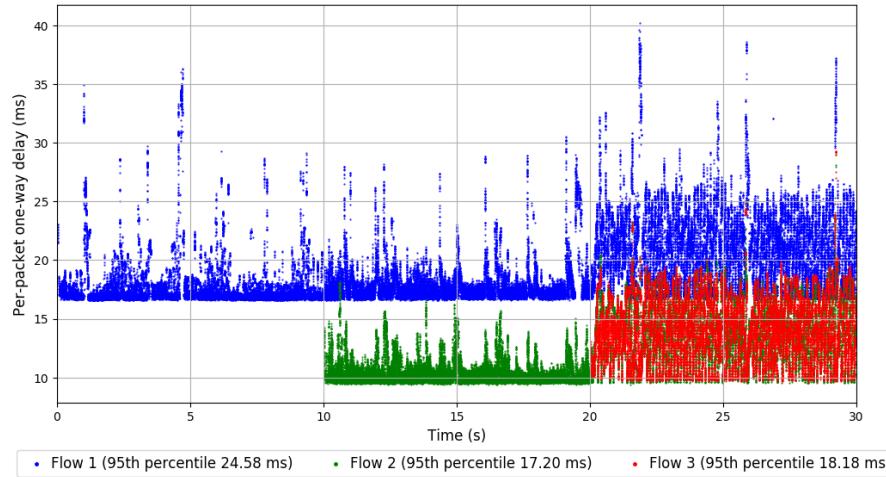
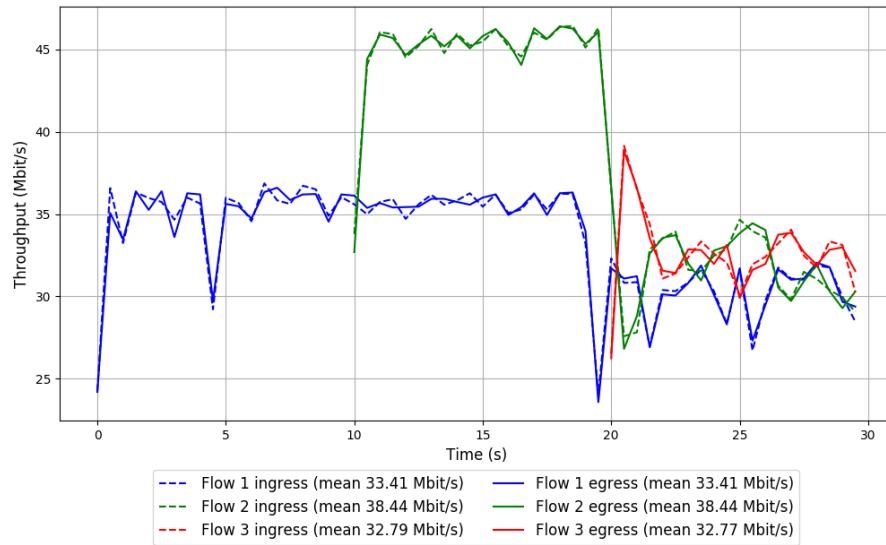


Run 3: Statistics of KohoCC

```
Start at: 2017-09-08 01:33:12
End at: 2017-09-08 01:33:42
Local clock offset: -2.278 ms
Remote clock offset: -3.412 ms

# Below is generated by plot.py at 2017-09-08 04:50:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 22.996 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 24.581 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 17.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 18.182 ms
Loss rate: 0.00%
```

Run 3: Report of KohoCC — Data Link

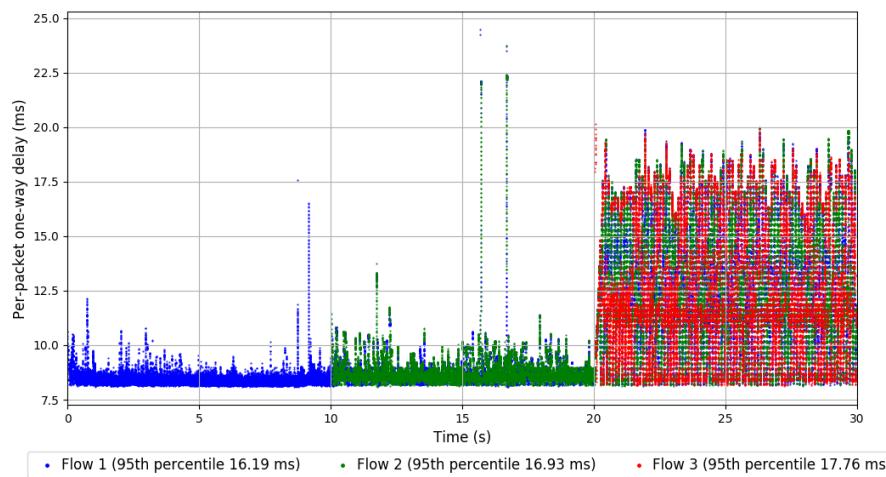
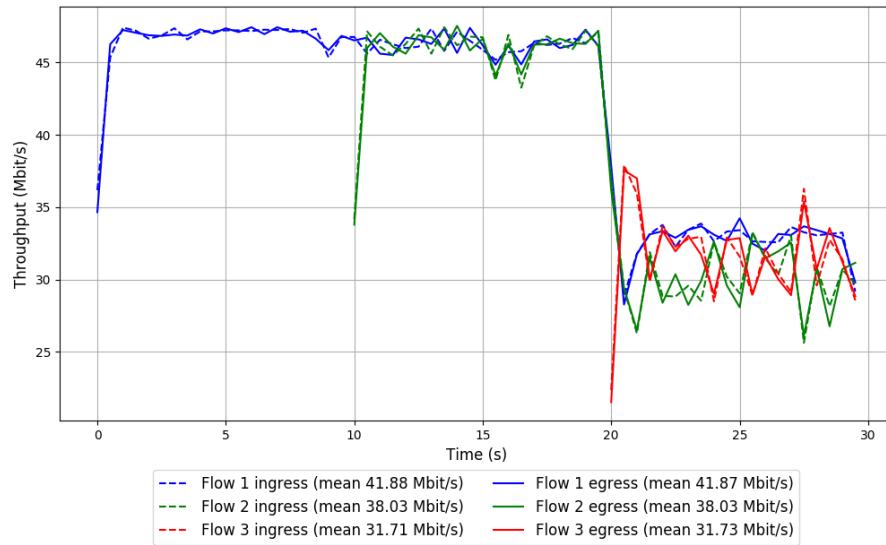


Run 4: Statistics of KohoCC

```
Start at: 2017-09-08 01:51:31
End at: 2017-09-08 01:52:01
Local clock offset: -0.084 ms
Remote clock offset: -2.684 ms

# Below is generated by plot.py at 2017-09-08 04:50:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 16.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 16.192 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 16.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.00%
```

Run 4: Report of KohoCC — Data Link

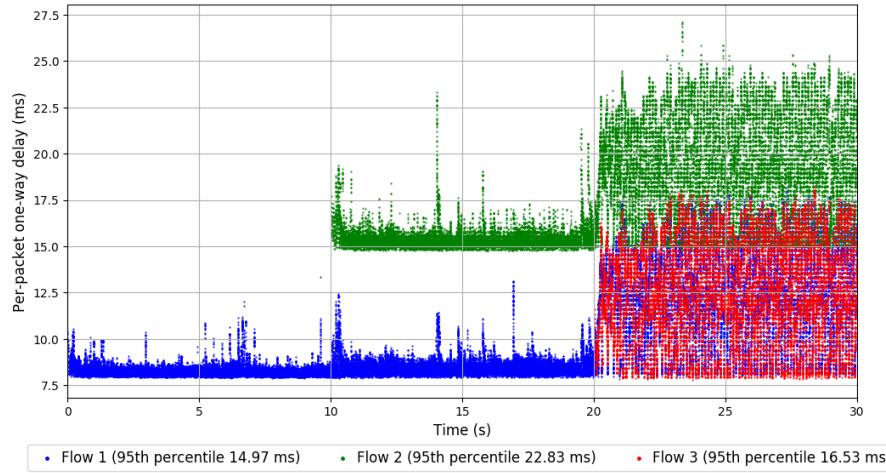
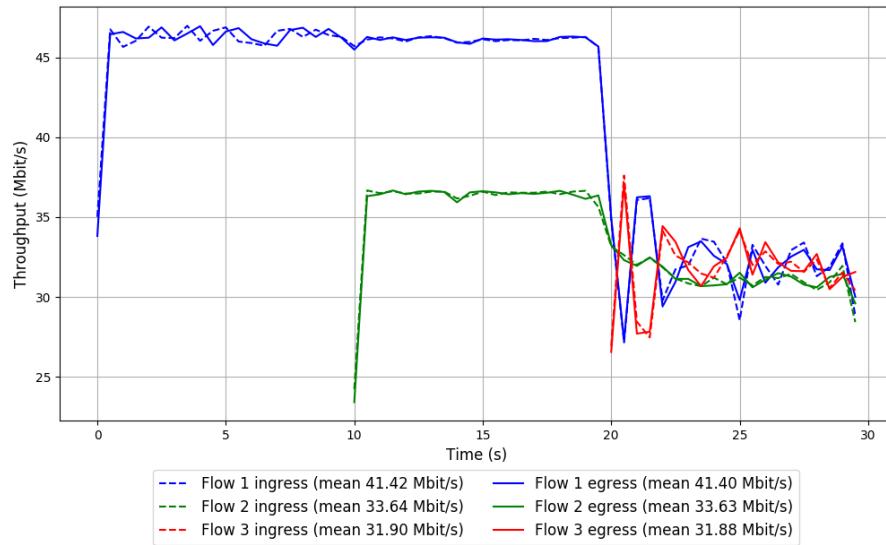


Run 5: Statistics of KohoCC

```
Start at: 2017-09-08 02:10:15
End at: 2017-09-08 02:10:45
Local clock offset: 0.133 ms
Remote clock offset: -3.543 ms

# Below is generated by plot.py at 2017-09-08 04:50:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 14.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 22.834 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 16.529 ms
Loss rate: 0.00%
```

Run 5: Report of KohoCC — Data Link

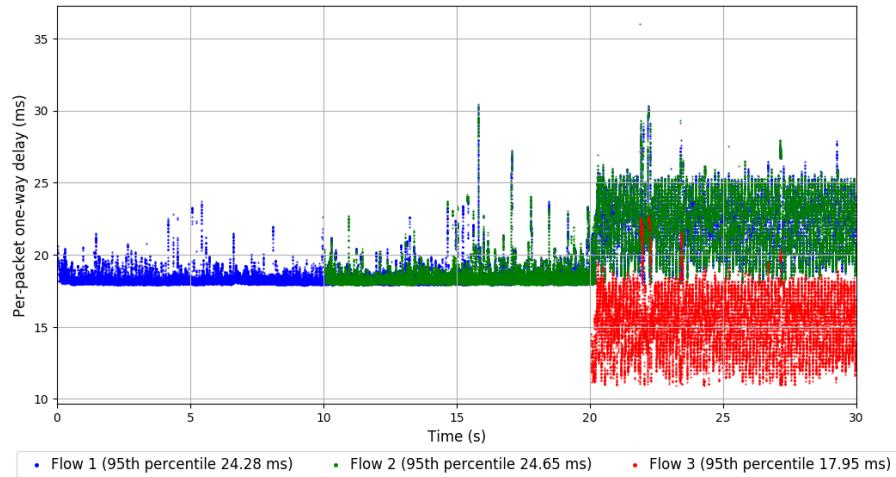
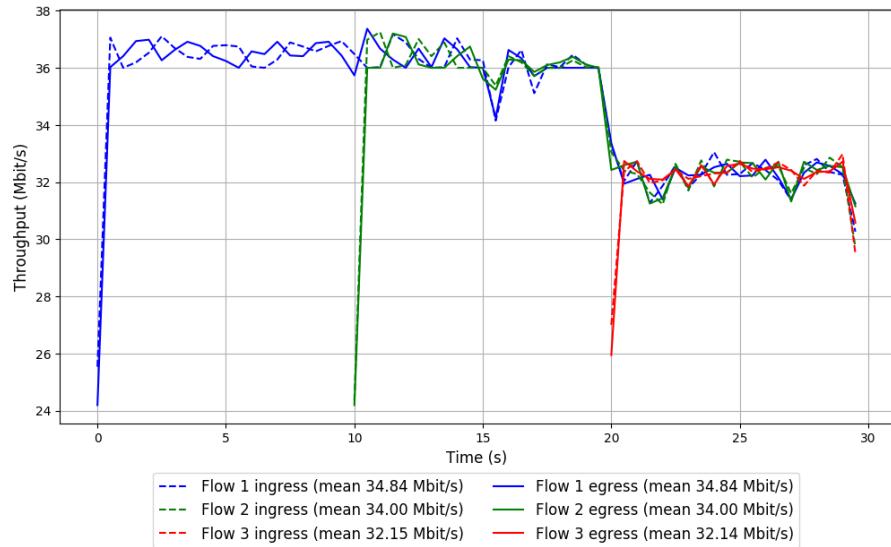


Run 6: Statistics of KohoCC

```
Start at: 2017-09-08 02:28:53
End at: 2017-09-08 02:29:23
Local clock offset: -1.569 ms
Remote clock offset: -2.522 ms

# Below is generated by plot.py at 2017-09-08 04:51:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.14 Mbit/s
95th percentile per-packet one-way delay: 24.286 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 24.279 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 24.651 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 17.948 ms
Loss rate: 0.00%
```

Run 6: Report of KohoCC — Data Link

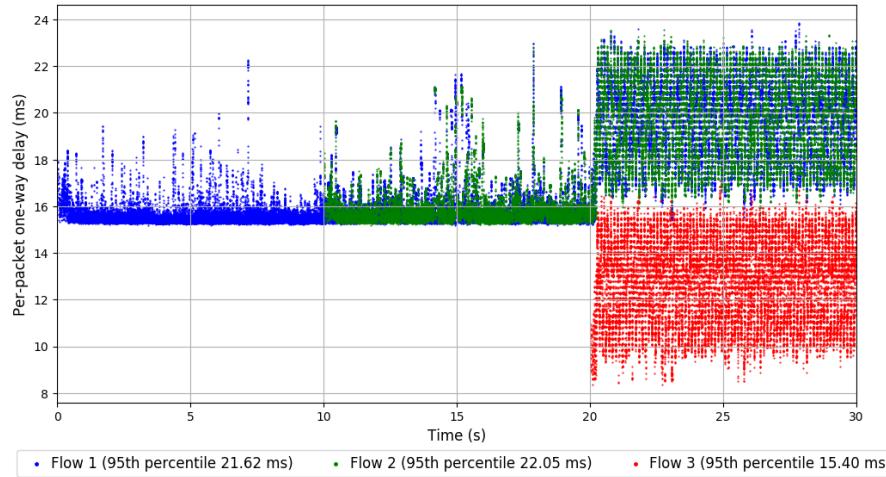
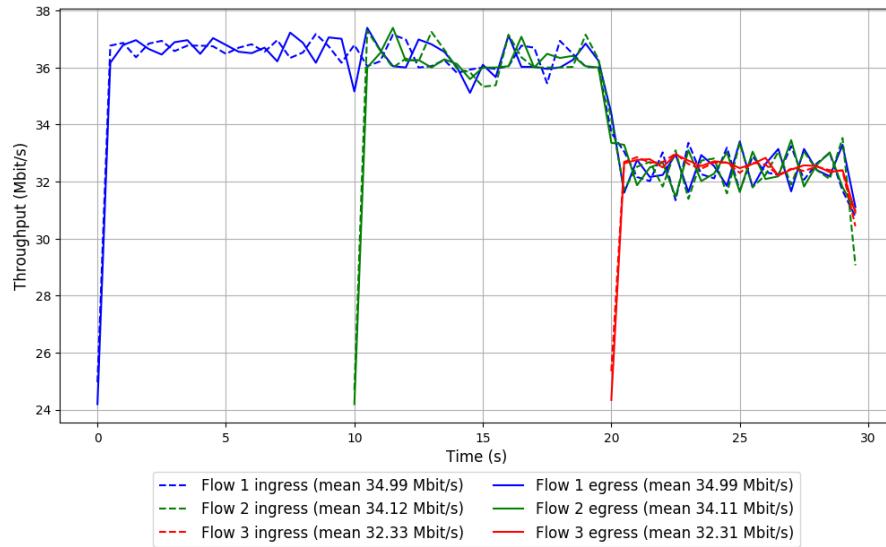


Run 7: Statistics of KohoCC

```
Start at: 2017-09-08 02:47:43
End at: 2017-09-08 02:48:13
Local clock offset: -0.141 ms
Remote clock offset: -3.512 ms

# Below is generated by plot.py at 2017-09-08 04:51:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 21.635 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 21.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 15.405 ms
Loss rate: 0.00%
```

Run 7: Report of KohoCC — Data Link

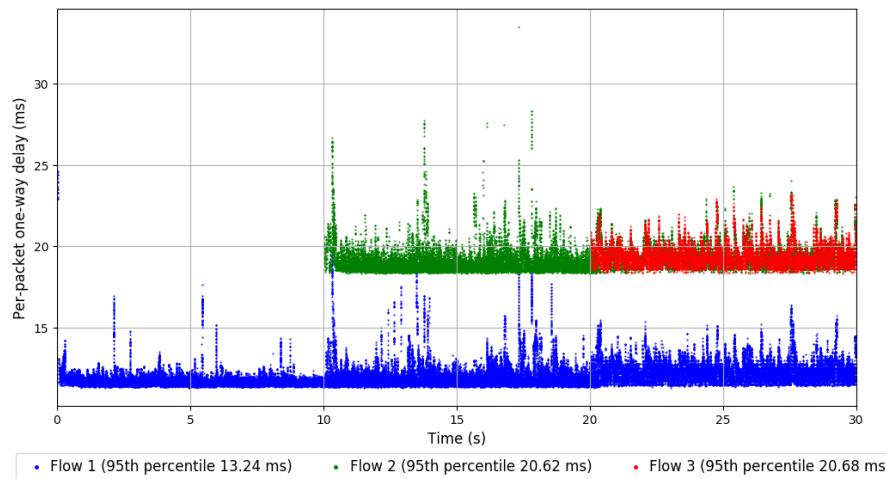
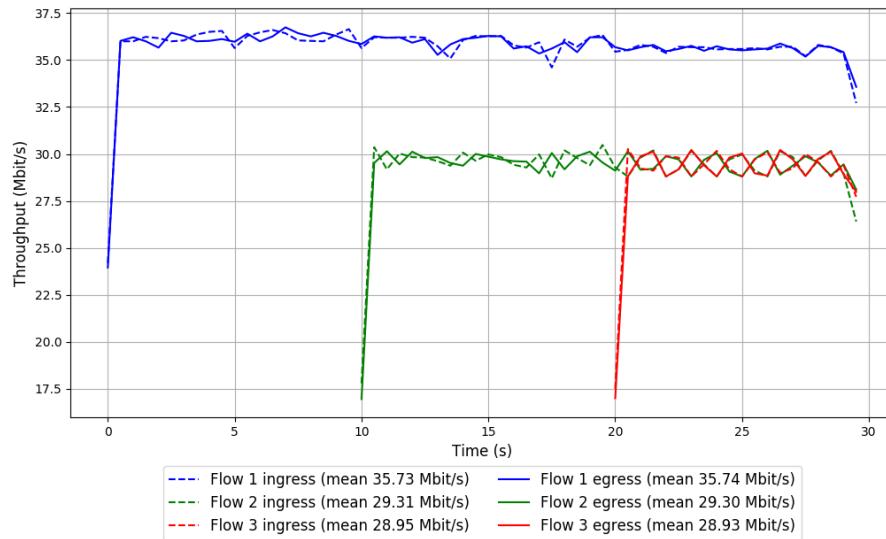


Run 8: Statistics of KohoCC

```
Start at: 2017-09-08 03:06:21
End at: 2017-09-08 03:06:51
Local clock offset: -0.278 ms
Remote clock offset: -0.362 ms

# Below is generated by plot.py at 2017-09-08 04:51:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.84 Mbit/s
95th percentile per-packet one-way delay: 20.084 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 13.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 20.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 20.685 ms
Loss rate: 0.06%
```

Run 8: Report of KohoCC — Data Link

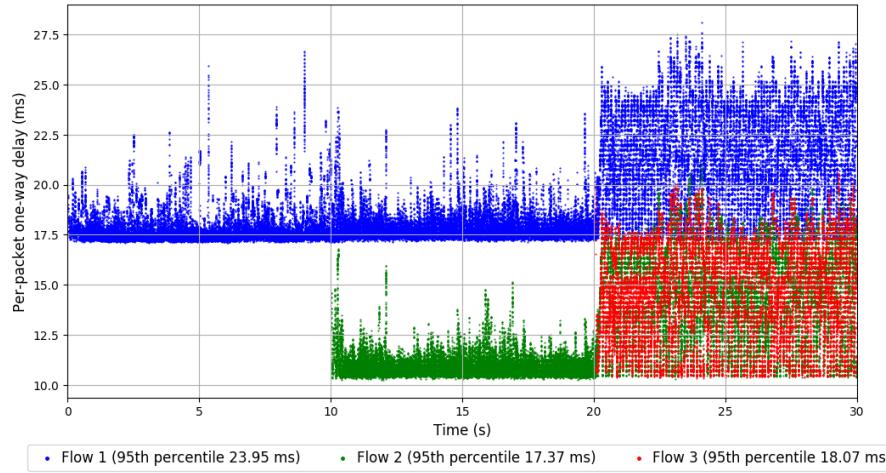
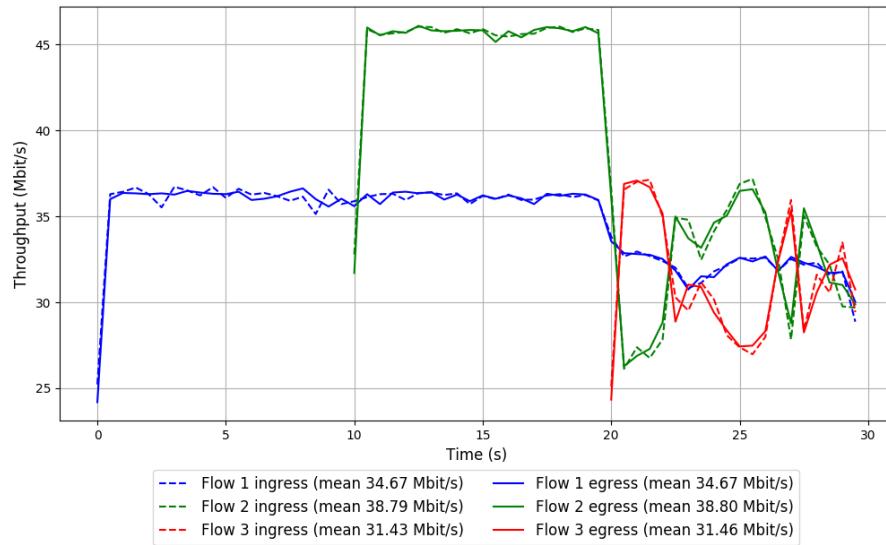


Run 9: Statistics of KohoCC

```
Start at: 2017-09-08 03:25:31
End at: 2017-09-08 03:26:01
Local clock offset: -1.774 ms
Remote clock offset: -3.017 ms

# Below is generated by plot.py at 2017-09-08 04:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 22.746 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 23.950 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 17.369 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 18.073 ms
Loss rate: 0.02%
```

Run 9: Report of KohoCC — Data Link

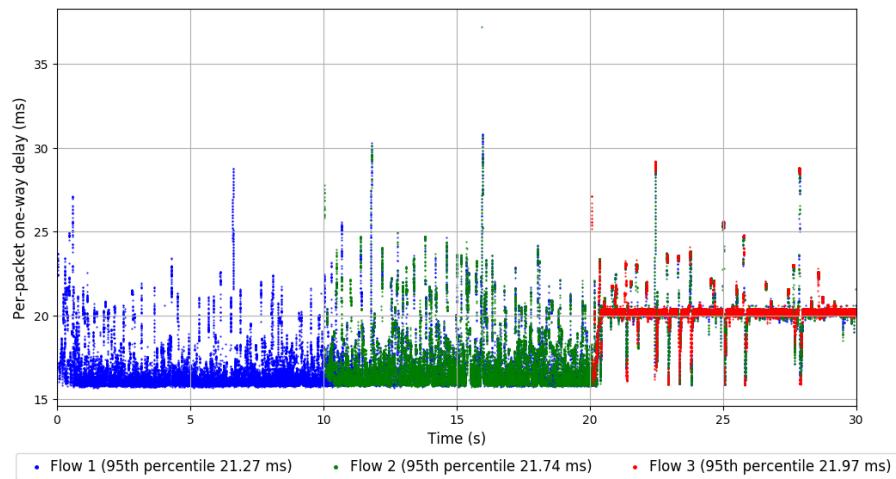
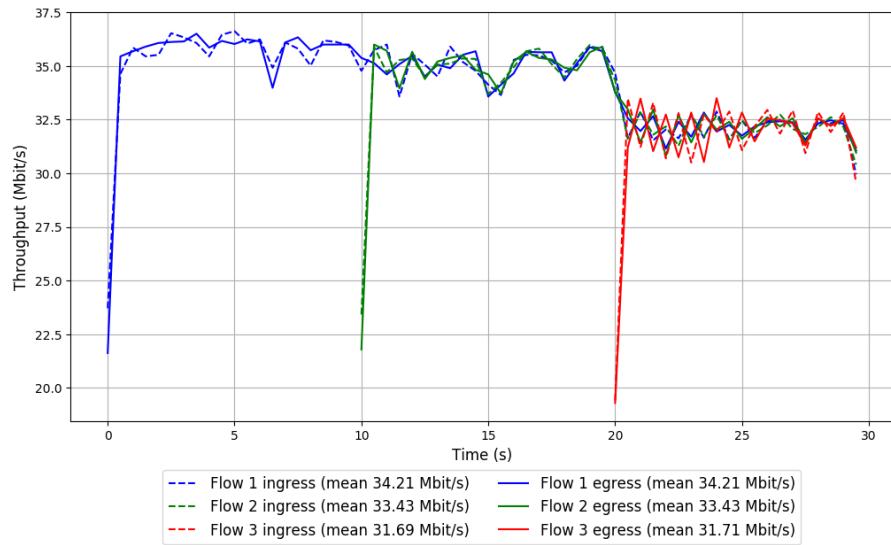


Run 10: Statistics of KohoCC

```
Start at: 2017-09-08 03:44:14
End at: 2017-09-08 03:44:44
Local clock offset: 0.594 ms
Remote clock offset: -2.073 ms

# Below is generated by plot.py at 2017-09-08 04:51:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 21.577 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 21.273 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 21.740 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 21.972 ms
Loss rate: 0.00%
```

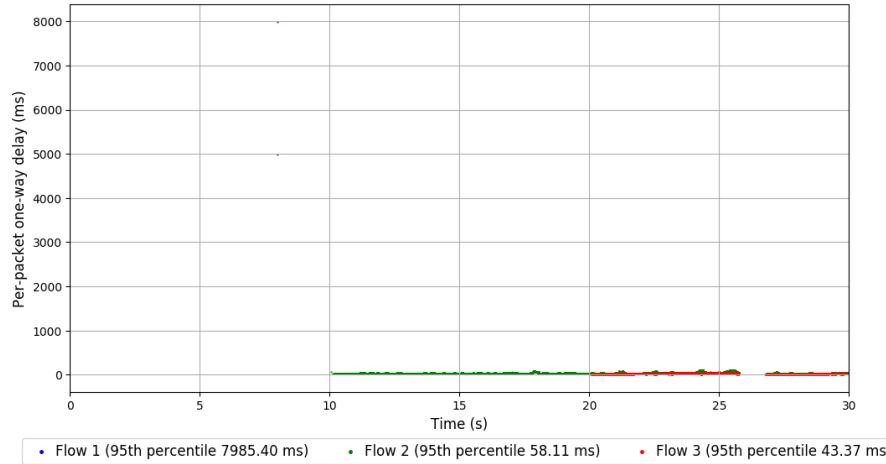
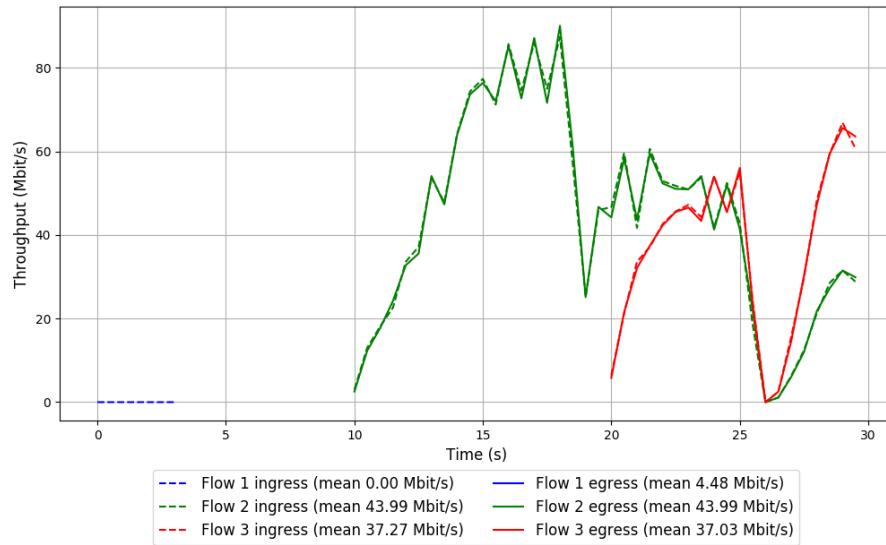
Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: 2017-09-08 01:07:37
End at: 2017-09-08 01:08:07
Local clock offset: -2.871 ms
Remote clock offset: -4.483 ms

Run 1: Report of LEDBAT — Data Link

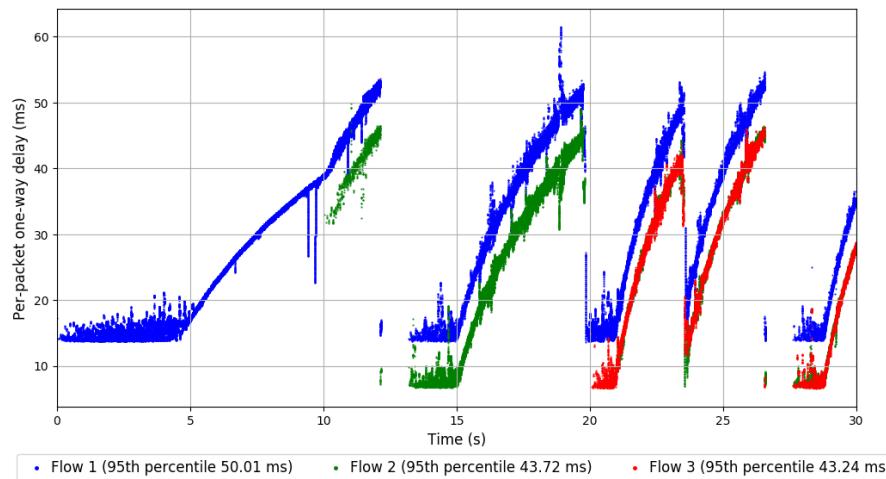
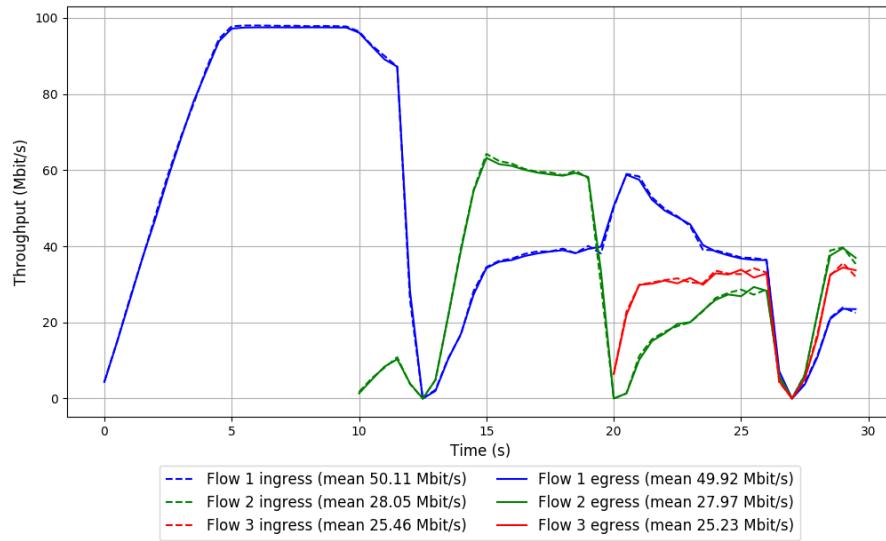


Run 2: Statistics of LEDBAT

```
Start at: 2017-09-08 01:25:50
End at: 2017-09-08 01:26:20
Local clock offset: 1.018 ms
Remote clock offset: -2.862 ms

# Below is generated by plot.py at 2017-09-08 04:51:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 48.646 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 50.009 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 43.722 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 43.243 ms
Loss rate: 0.80%
```

Run 2: Report of LEDBAT — Data Link

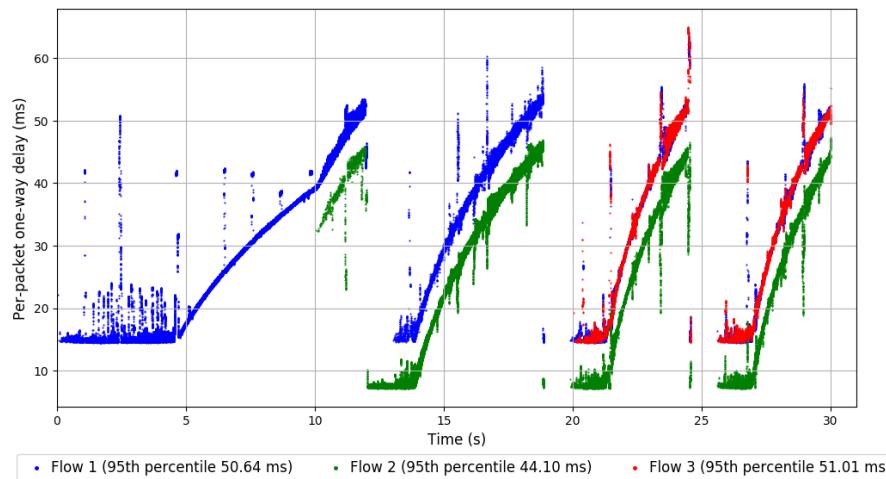
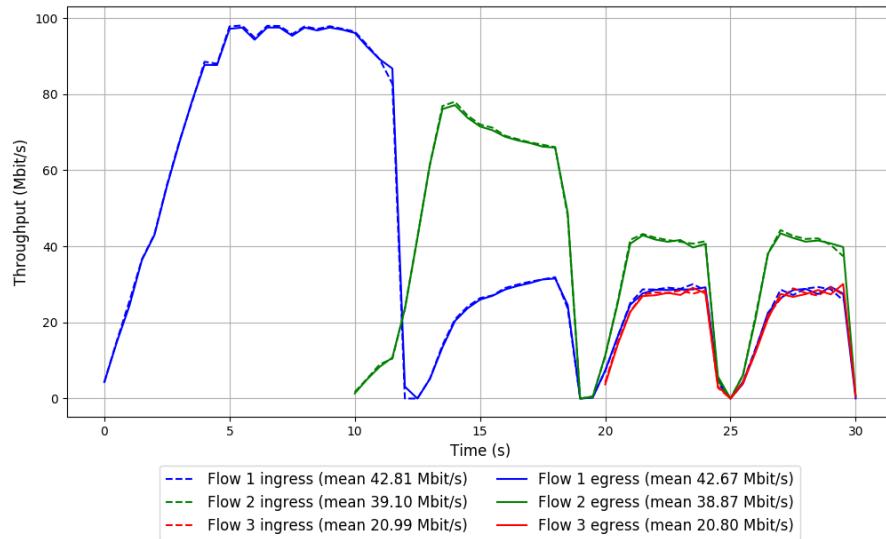


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-08 01:44:13
End at: 2017-09-08 01:44:43
Local clock offset: -0.142 ms
Remote clock offset: -3.321 ms

# Below is generated by plot.py at 2017-09-08 04:51:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 49.794 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 50.642 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 44.101 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 0.60%
```

Run 3: Report of LEDBAT — Data Link

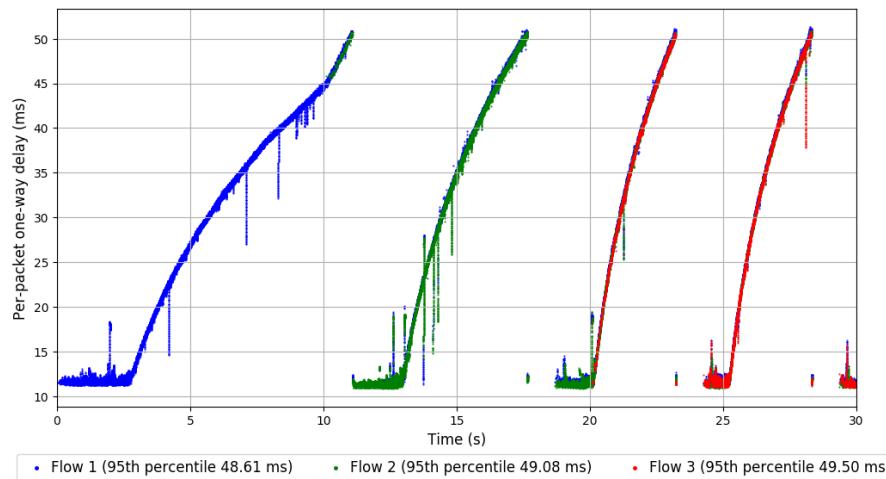
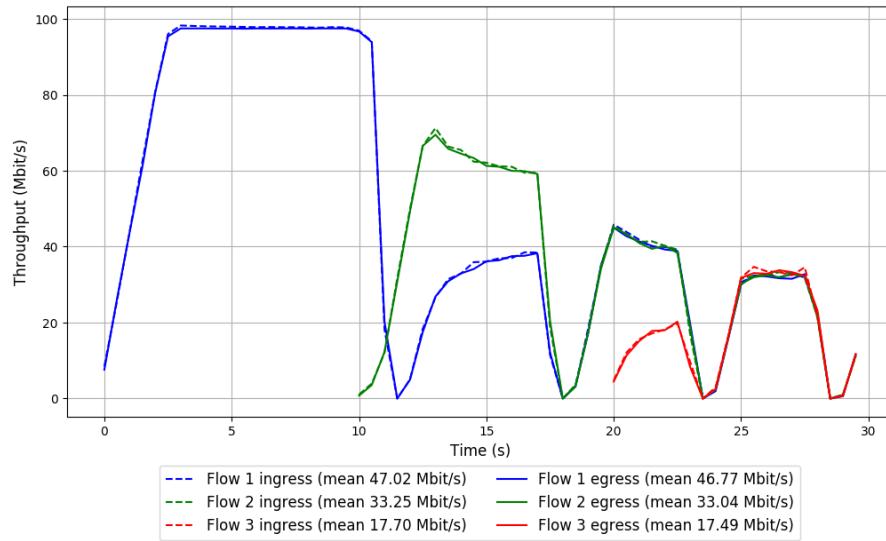


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-08 02:02:58
End at: 2017-09-08 02:03:28
Local clock offset: -2.6 ms
Remote clock offset: -2.684 ms

# Below is generated by plot.py at 2017-09-08 04:51:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.46 Mbit/s
95th percentile per-packet one-way delay: 48.857 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 48.608 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 49.084 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 49.500 ms
Loss rate: 1.18%
```

Run 4: Report of LEDBAT — Data Link

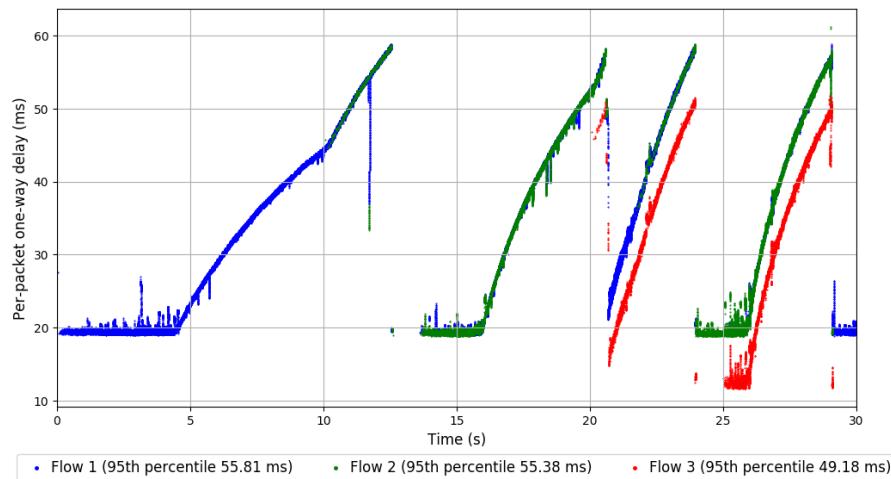
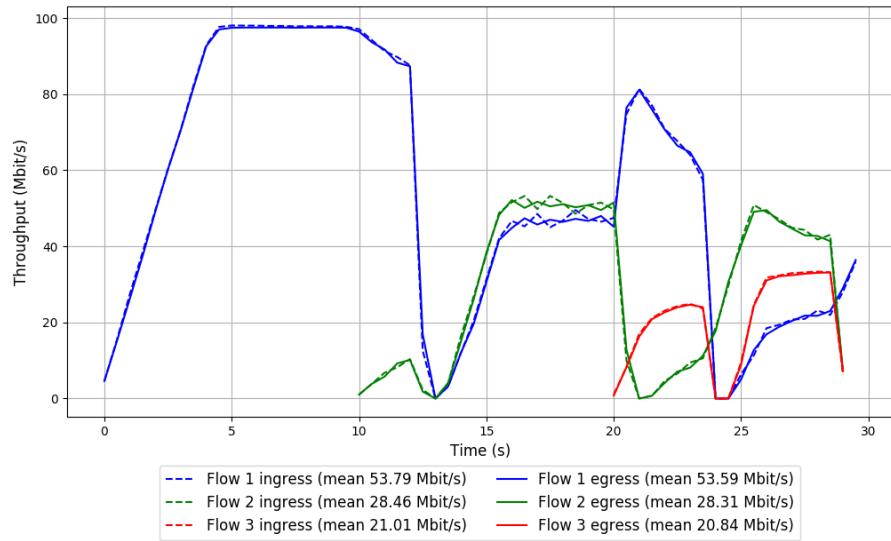


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-08 02:21:28
End at: 2017-09-08 02:21:58
Local clock offset: -2.023 ms
Remote clock offset: -1.947 ms

# Below is generated by plot.py at 2017-09-08 04:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 55.528 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 55.814 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 28.31 Mbit/s
95th percentile per-packet one-way delay: 55.375 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 49.178 ms
Loss rate: 1.16%
```

Run 5: Report of LEDBAT — Data Link

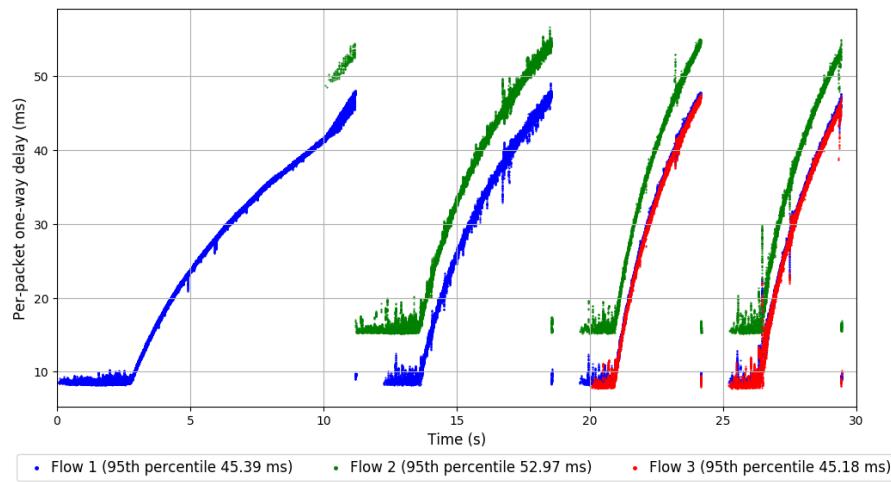
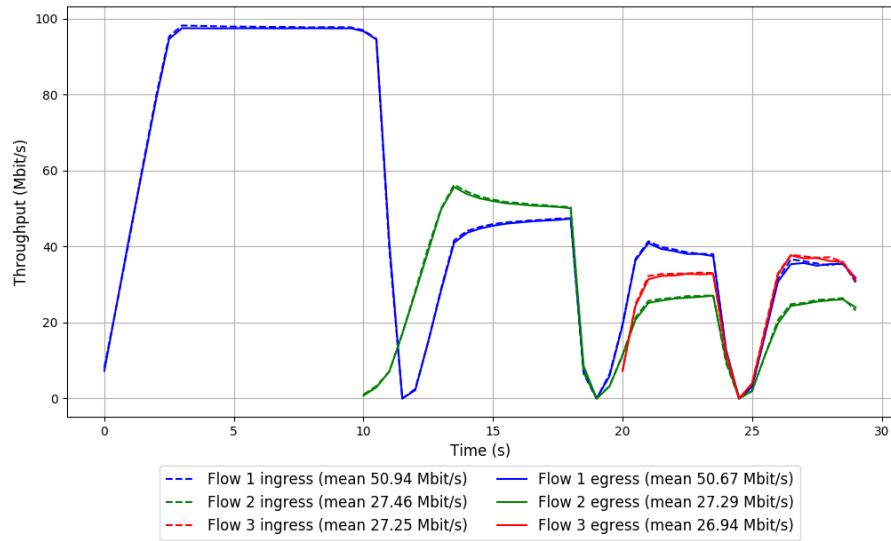


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-08 02:40:19
End at: 2017-09-08 02:40:49
Local clock offset: 0.026 ms
Remote clock offset: -3.579 ms

# Below is generated by plot.py at 2017-09-08 04:51:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 48.075 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 45.389 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 52.965 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 45.179 ms
Loss rate: 1.12%
```

Run 6: Report of LEDBAT — Data Link

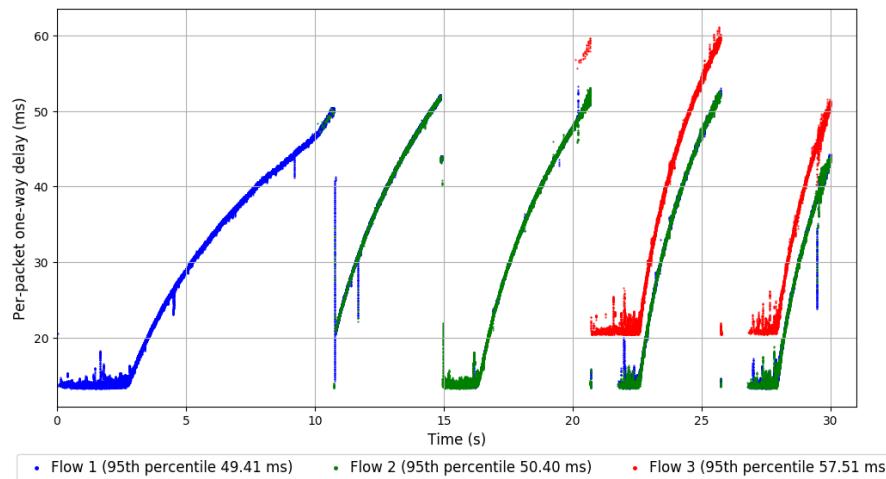
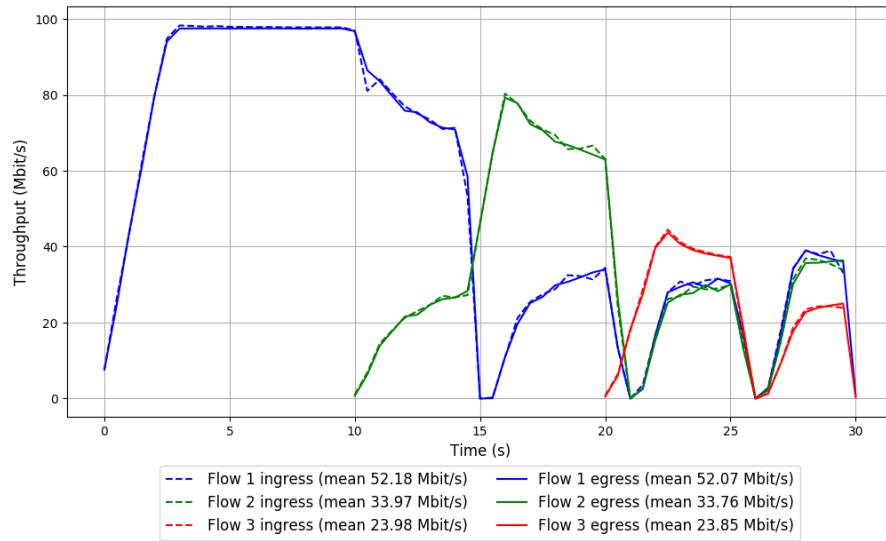


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-08 02:58:59
End at: 2017-09-08 02:59:29
Local clock offset: -0.661 ms
Remote clock offset: 1.013 ms

# Below is generated by plot.py at 2017-09-08 04:51:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 50.349 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 49.409 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 50.396 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 57.505 ms
Loss rate: 0.67%
```

Run 7: Report of LEDBAT — Data Link

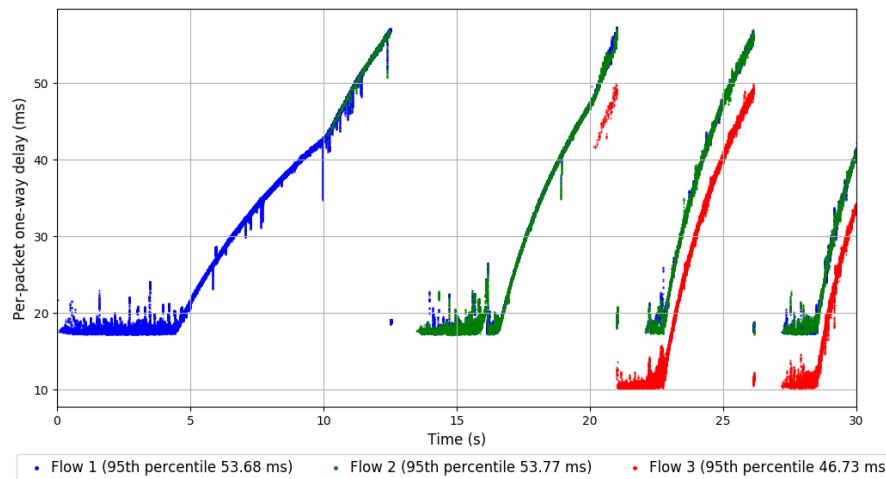
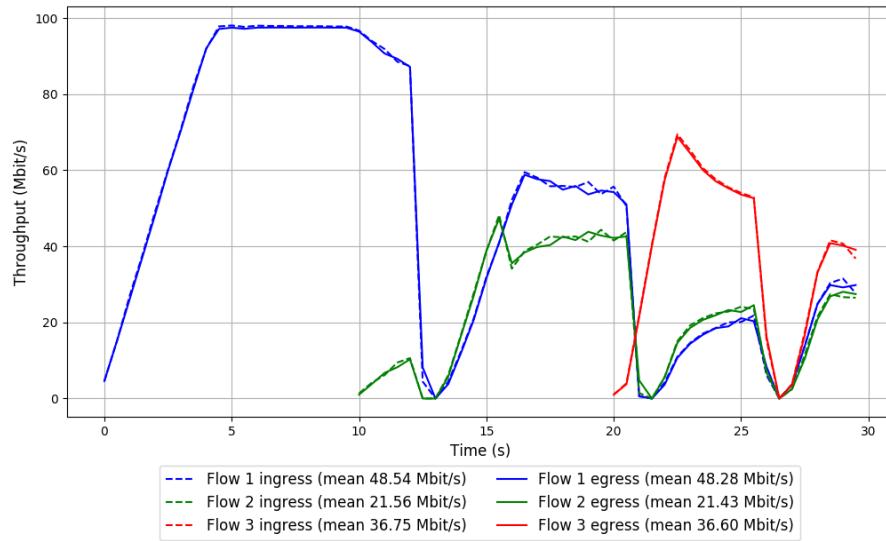


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-08 03:18:01
End at: 2017-09-08 03:18:31
Local clock offset: -1.353 ms
Remote clock offset: -2.494 ms

# Below is generated by plot.py at 2017-09-08 04:52:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 53.314 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 53.680 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 53.769 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 46.732 ms
Loss rate: 0.56%
```

Run 8: Report of LEDBAT — Data Link

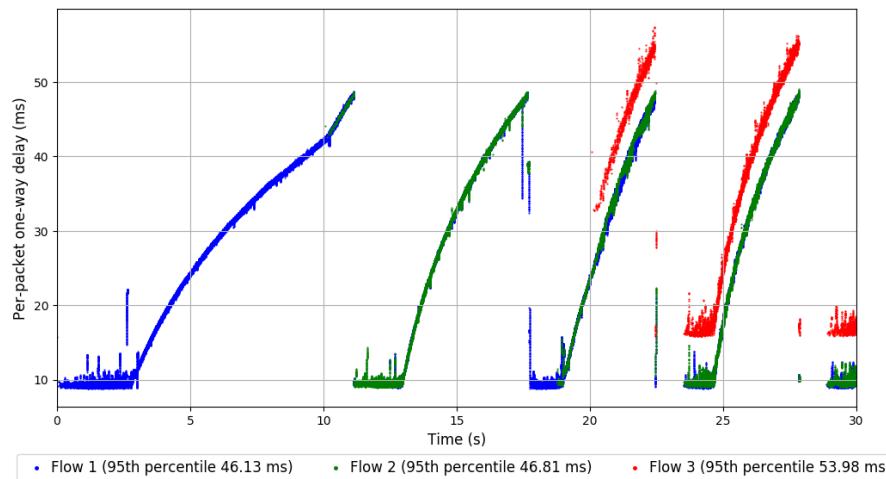
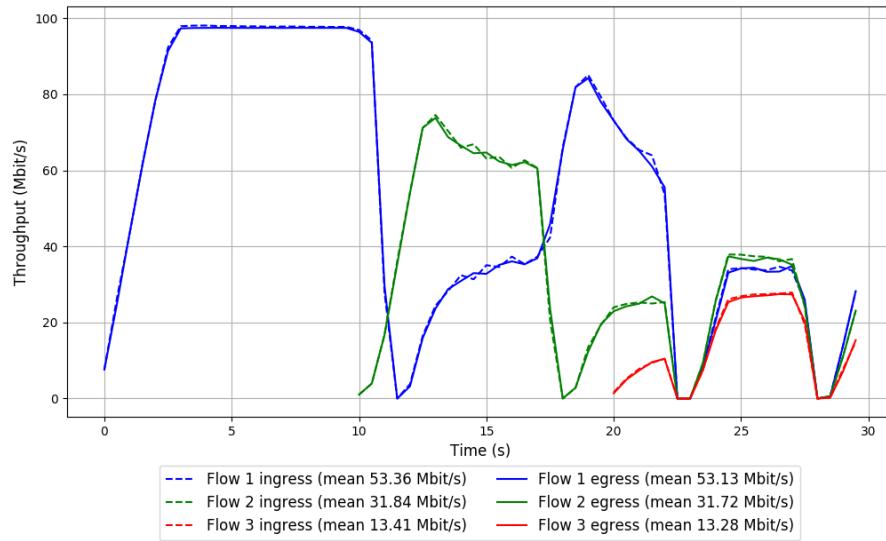


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-08 03:36:43
End at: 2017-09-08 03:37:13
Local clock offset: -0.11 ms
Remote clock offset: -2.673 ms

# Below is generated by plot.py at 2017-09-08 04:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.57 Mbit/s
95th percentile per-packet one-way delay: 46.894 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 46.128 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 46.811 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 53.978 ms
Loss rate: 1.25%
```

Run 9: Report of LEDBAT — Data Link

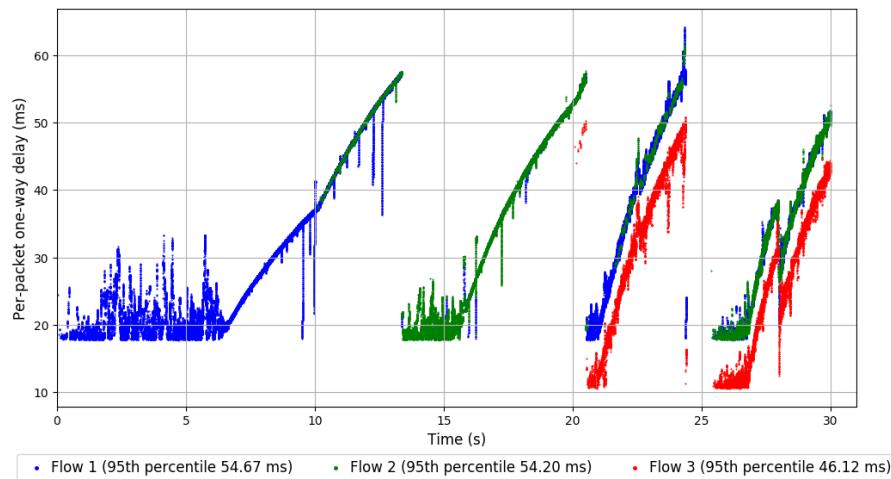
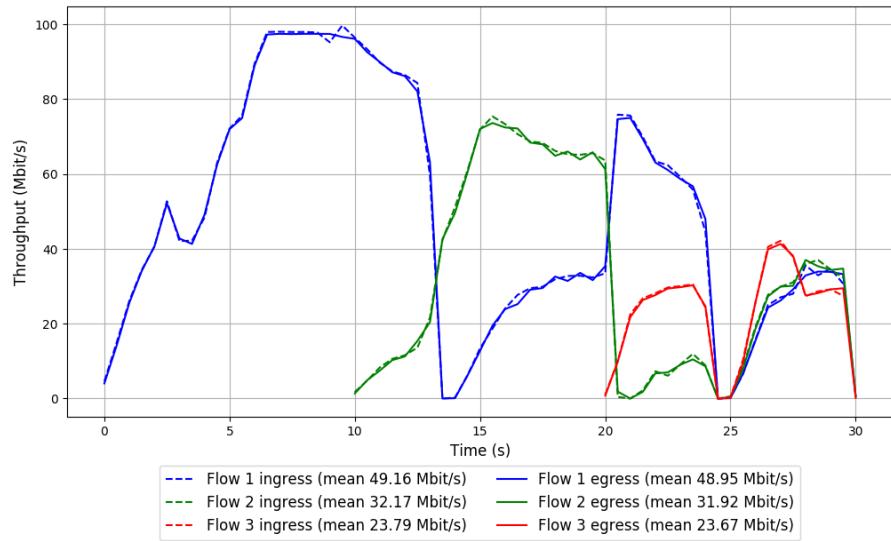


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-08 03:55:43
End at: 2017-09-08 03:56:13
Local clock offset: -2.167 ms
Remote clock offset: -2.88 ms

# Below is generated by plot.py at 2017-09-08 04:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 54.212 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 54.670 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 54.203 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 0.54%
```

Run 10: Report of LEDBAT — Data Link

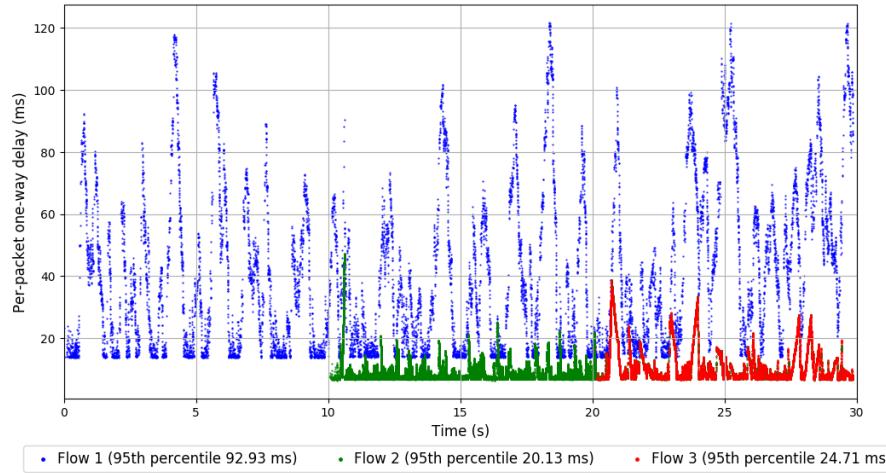
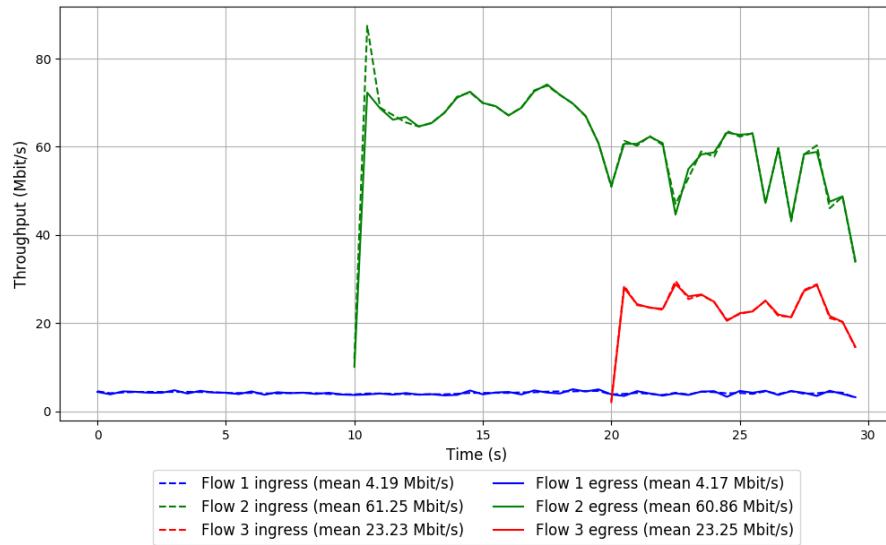


Run 1: Statistics of PCC

```
Start at: 2017-09-08 00:54:24
End at: 2017-09-08 00:54:54
Local clock offset: -0.608 ms
Remote clock offset: -4.013 ms

# Below is generated by plot.py at 2017-09-08 04:52:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 34.840 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 92.930 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 20.127 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 24.715 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

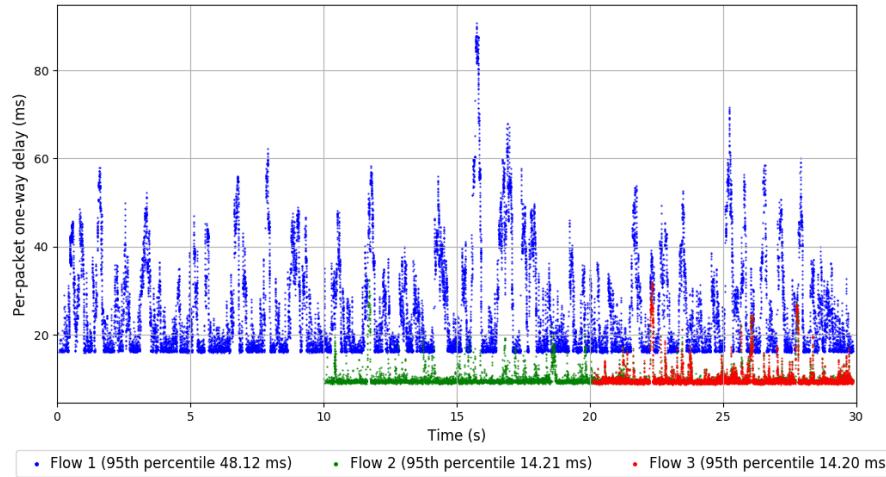
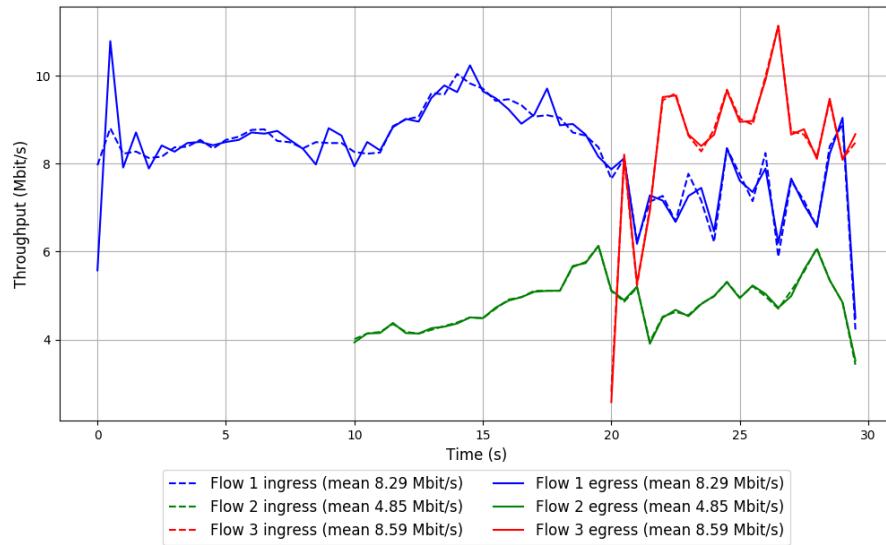


Run 2: Statistics of PCC

```
Start at: 2017-09-08 01:12:27
End at: 2017-09-08 01:12:57
Local clock offset: -2.058 ms
Remote clock offset: -3.429 ms

# Below is generated by plot.py at 2017-09-08 04:52:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.33 Mbit/s
95th percentile per-packet one-way delay: 43.672 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 48.116 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 14.211 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 14.199 ms
Loss rate: 0.00%
```

Run 2: Report of PCC — Data Link

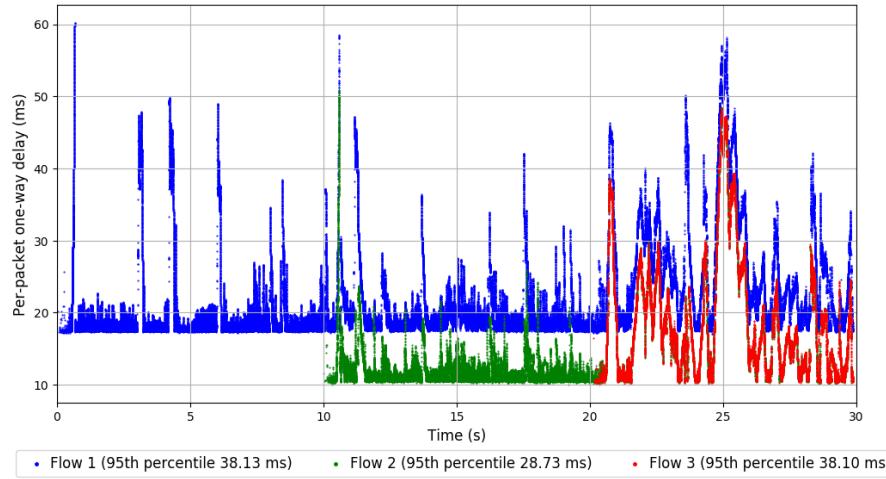
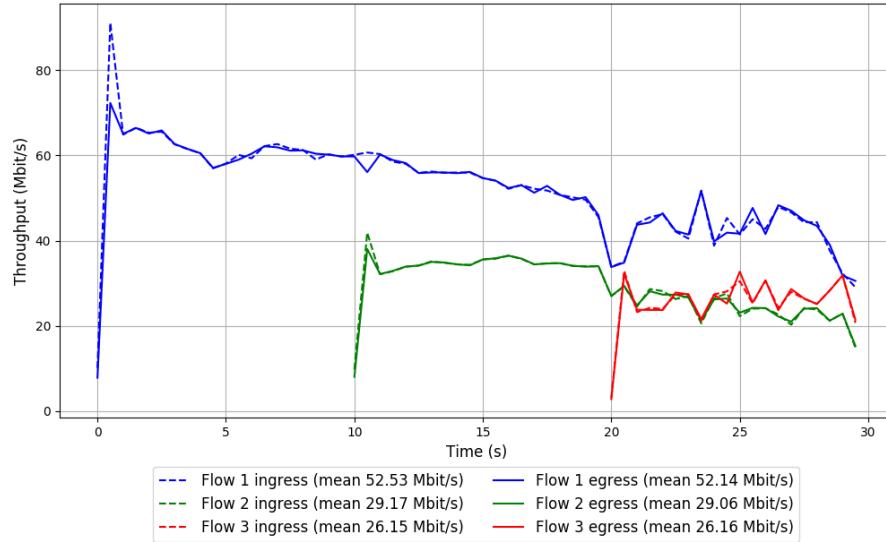


Run 3: Statistics of PCC

```
Start at: 2017-09-08 01:30:51
End at: 2017-09-08 01:31:21
Local clock offset: -2.744 ms
Remote clock offset: -2.908 ms

# Below is generated by plot.py at 2017-09-08 04:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 36.785 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 52.14 Mbit/s
95th percentile per-packet one-way delay: 38.126 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 28.727 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 38.098 ms
Loss rate: 0.00%
```

Run 3: Report of PCC — Data Link

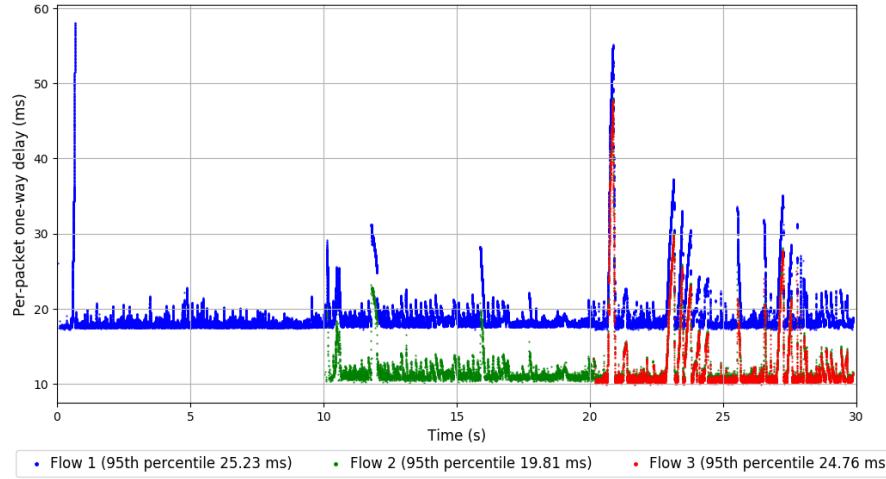
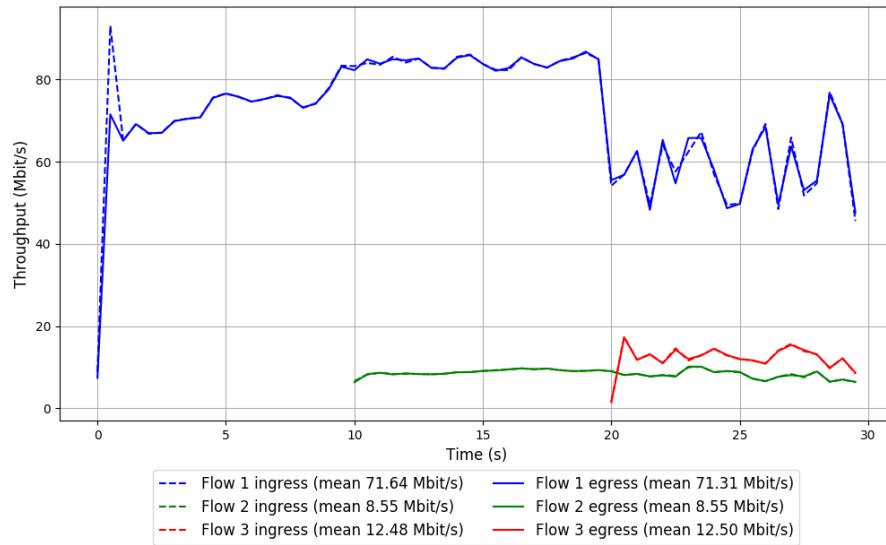


Run 4: Statistics of PCC

```
Start at: 2017-09-08 01:49:15
End at: 2017-09-08 01:49:45
Local clock offset: -2.551 ms
Remote clock offset: -2.868 ms

# Below is generated by plot.py at 2017-09-08 04:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 24.800 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 71.31 Mbit/s
95th percentile per-packet one-way delay: 25.225 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 19.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 24.761 ms
Loss rate: 0.01%
```

Run 4: Report of PCC — Data Link

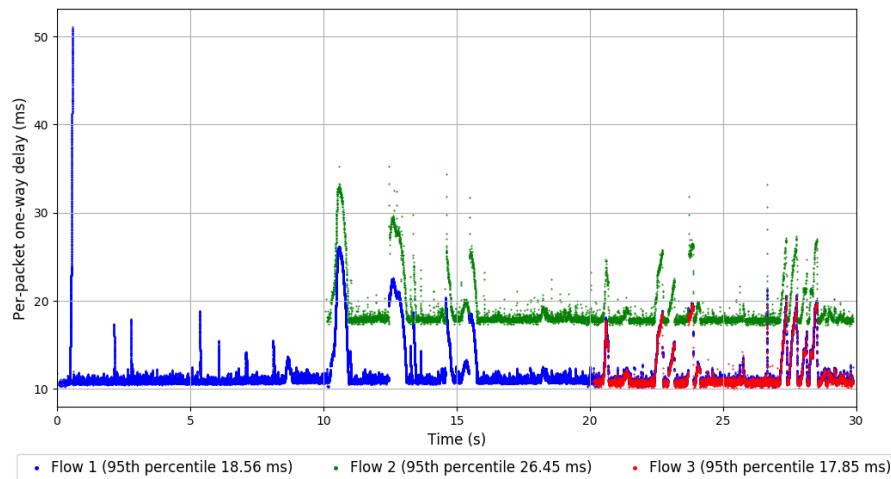
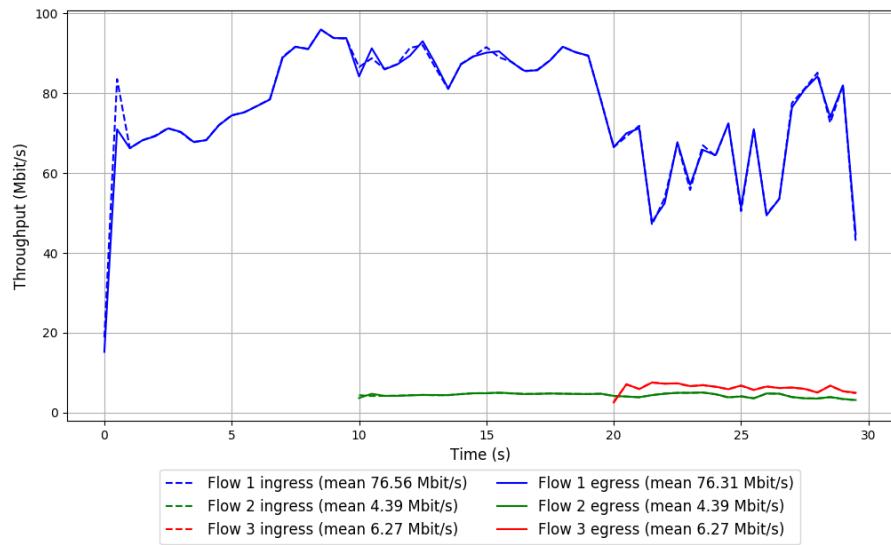


Run 5: Statistics of PCC

```
Start at: 2017-09-08 02:07:58
End at: 2017-09-08 02:08:28
Local clock offset: -1.019 ms
Remote clock offset: -2.092 ms

# Below is generated by plot.py at 2017-09-08 04:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.28 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 18.564 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 26.453 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 17.852 ms
Loss rate: 0.00%
```

Run 5: Report of PCC — Data Link

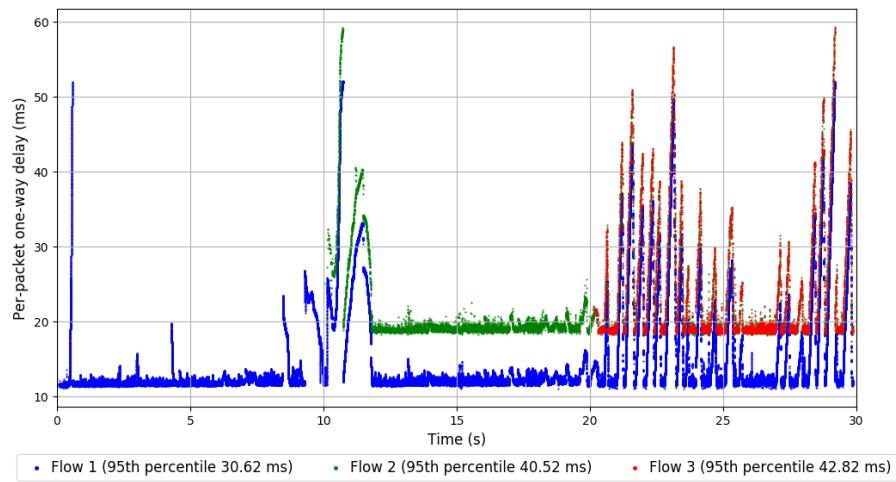
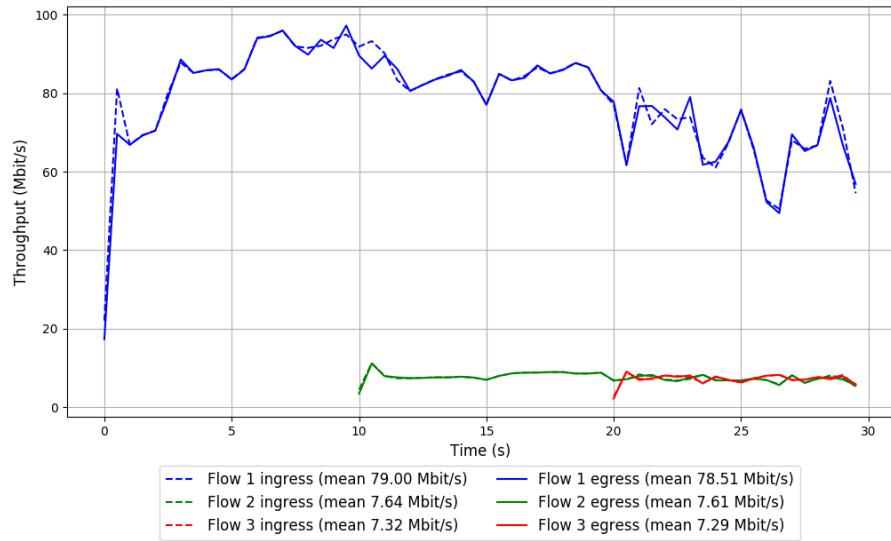


Run 6: Statistics of PCC

```
Start at: 2017-09-08 02:26:35
End at: 2017-09-08 02:27:05
Local clock offset: -2.826 ms
Remote clock offset: -3.306 ms

# Below is generated by plot.py at 2017-09-08 04:52:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 32.194 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 30.618 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 40.523 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 42.816 ms
Loss rate: 0.48%
```

Run 6: Report of PCC — Data Link

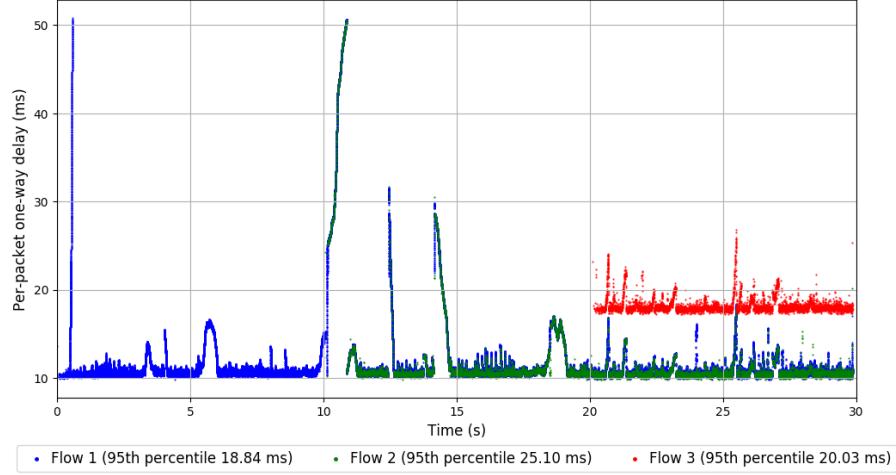
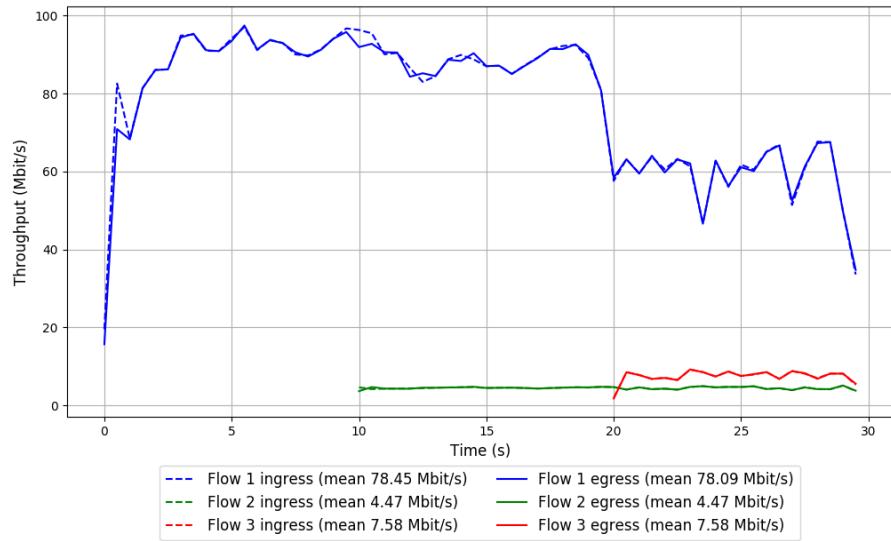


Run 7: Statistics of PCC

```
Start at: 2017-09-08 02:45:26
End at: 2017-09-08 02:45:56
Local clock offset: -1.348 ms
Remote clock offset: -2.598 ms

# Below is generated by plot.py at 2017-09-08 04:52:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 18.842 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 25.099 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 20.030 ms
Loss rate: 0.05%
```

Run 7: Report of PCC — Data Link

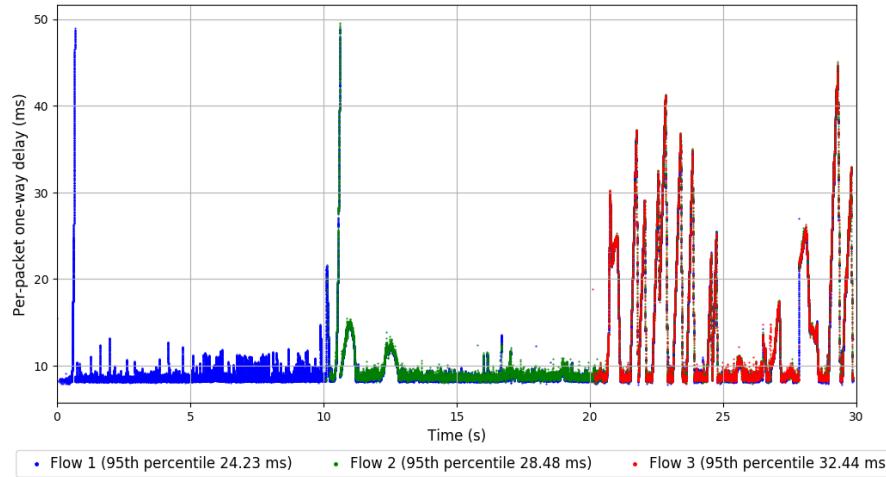
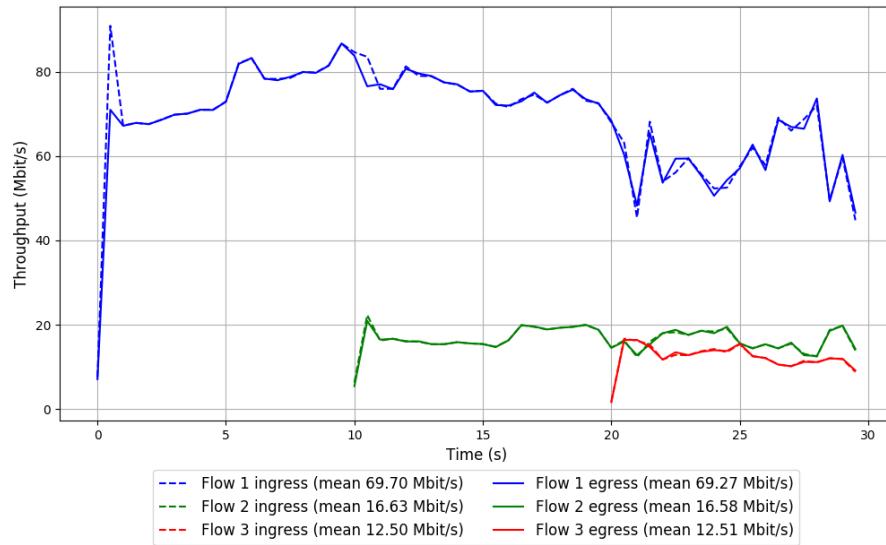


Run 8: Statistics of PCC

```
Start at: 2017-09-08 03:04:03
End at: 2017-09-08 03:04:33
Local clock offset: 0.372 ms
Remote clock offset: -2.819 ms

# Below is generated by plot.py at 2017-09-08 04:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 25.201 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 69.27 Mbit/s
95th percentile per-packet one-way delay: 24.228 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 28.478 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 32.439 ms
Loss rate: 0.00%
```

Run 8: Report of PCC — Data Link

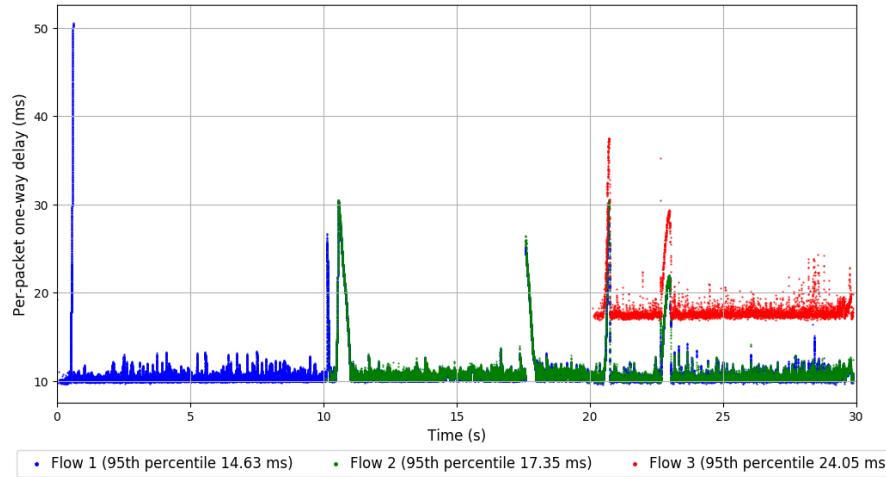
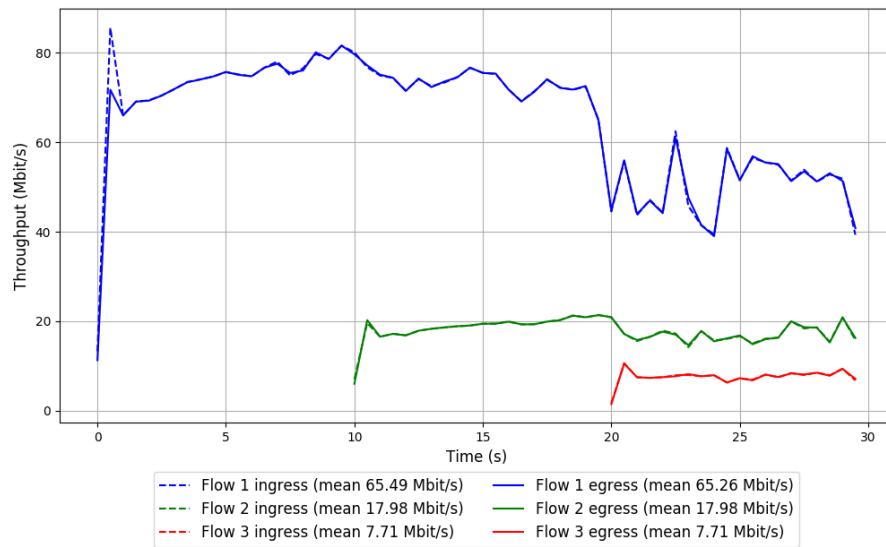


Run 9: Statistics of PCC

```
Start at: 2017-09-08 03:23:14
End at: 2017-09-08 03:23:44
Local clock offset: -1.947 ms
Remote clock offset: -3.125 ms

# Below is generated by plot.py at 2017-09-08 04:53:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 17.816 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 14.627 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 17.349 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.02%
```

Run 9: Report of PCC — Data Link

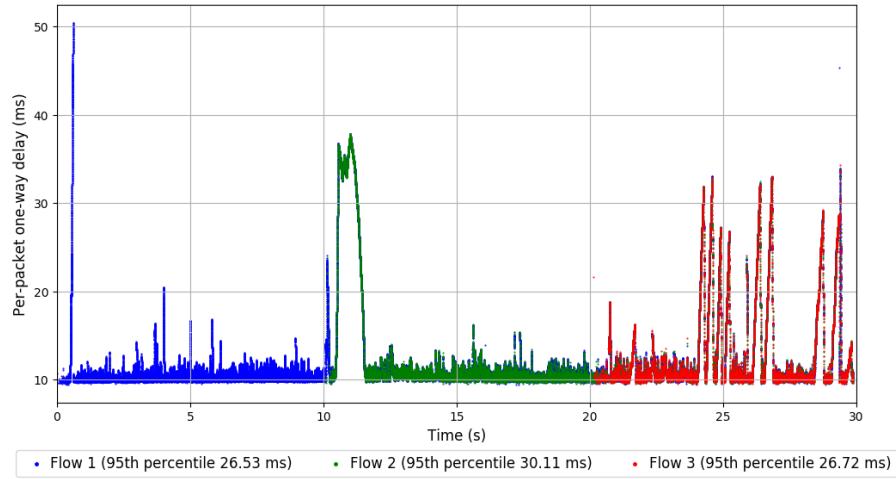
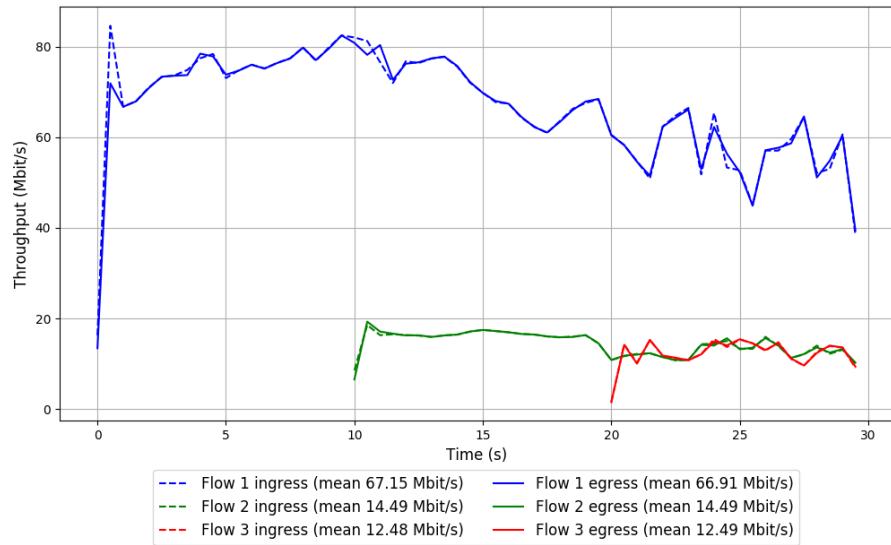


Run 10: Statistics of PCC

```
Start at: 2017-09-08 03:41:54
End at: 2017-09-08 03:42:24
Local clock offset: -0.172 ms
Remote clock offset: -1.585 ms

# Below is generated by plot.py at 2017-09-08 04:53:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 27.040 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 26.534 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 30.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 26.723 ms
Loss rate: 0.00%
```

Run 10: Report of PCC — Data Link

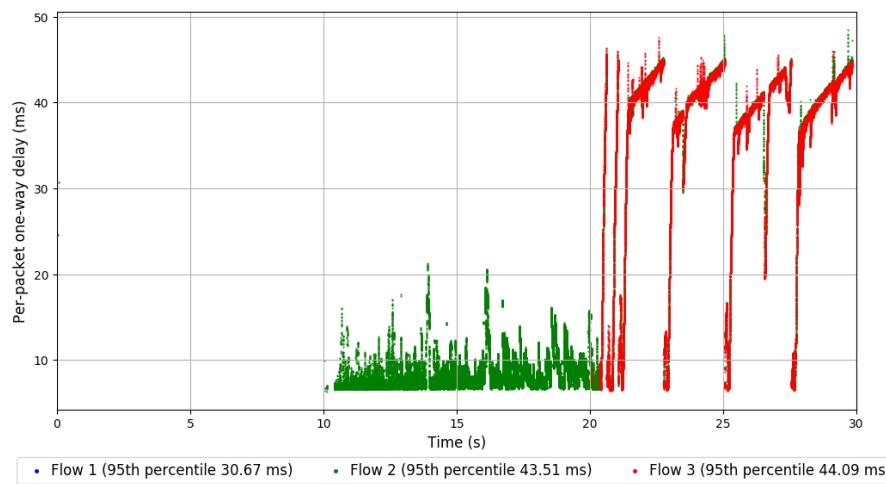
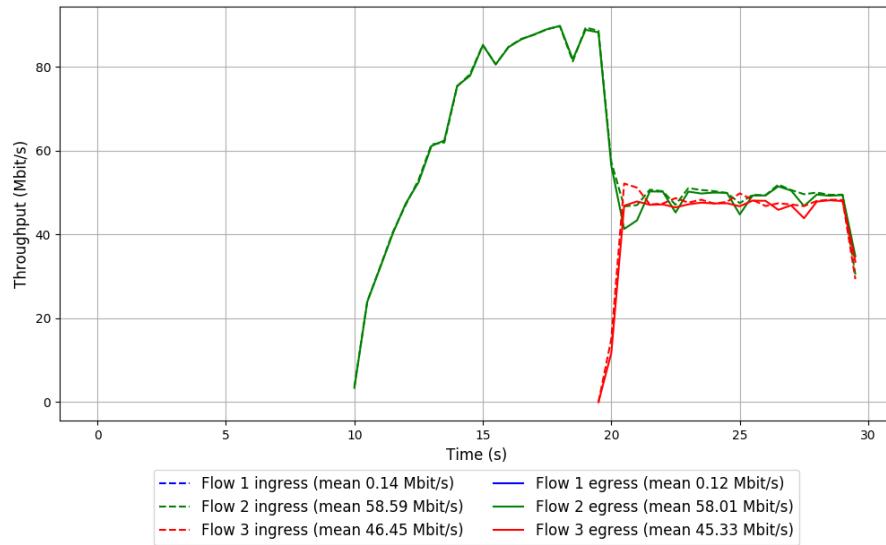


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-09-08 00:57:56
End at: 2017-09-08 00:58:26
Local clock offset: -1.554 ms
Remote clock offset: -4.985 ms

# Below is generated by plot.py at 2017-09-08 04:53:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 43.755 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 30.674 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 43.513 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 44.095 ms
Loss rate: 2.08%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

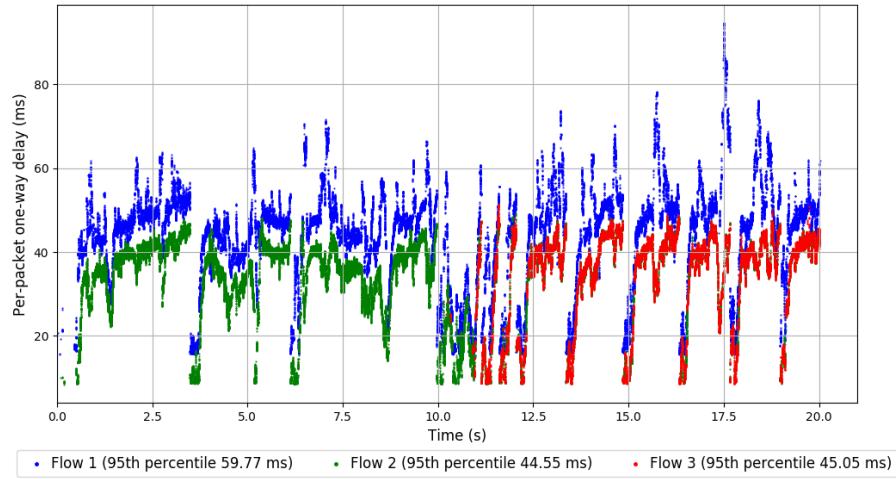
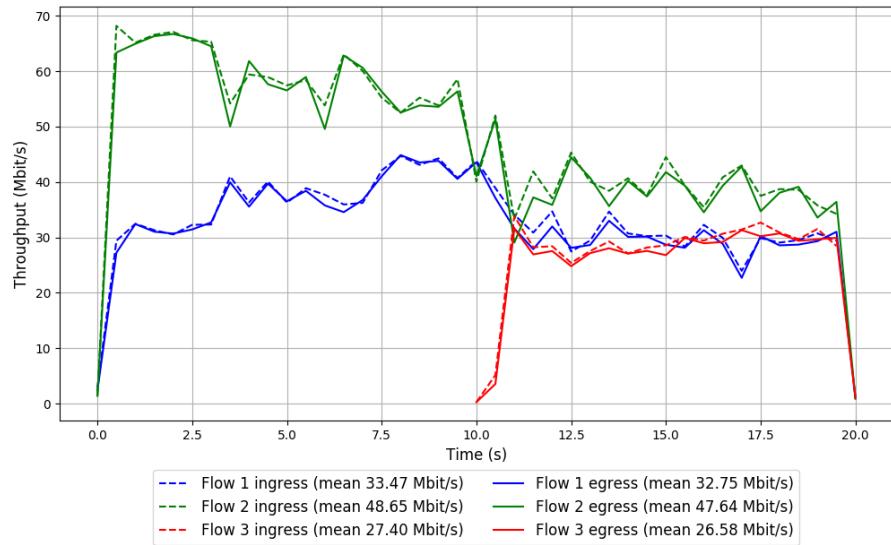
Start at: 2017-09-08 01:15:57

End at: 2017-09-08 01:16:27

Local clock offset: -1.957 ms

Remote clock offset: -3.822 ms

Run 2: Report of QUIC Cubic — Data Link

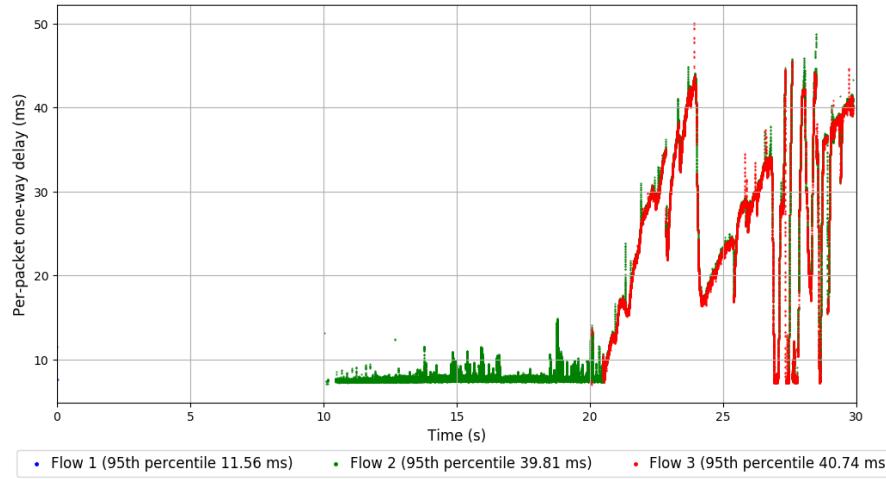
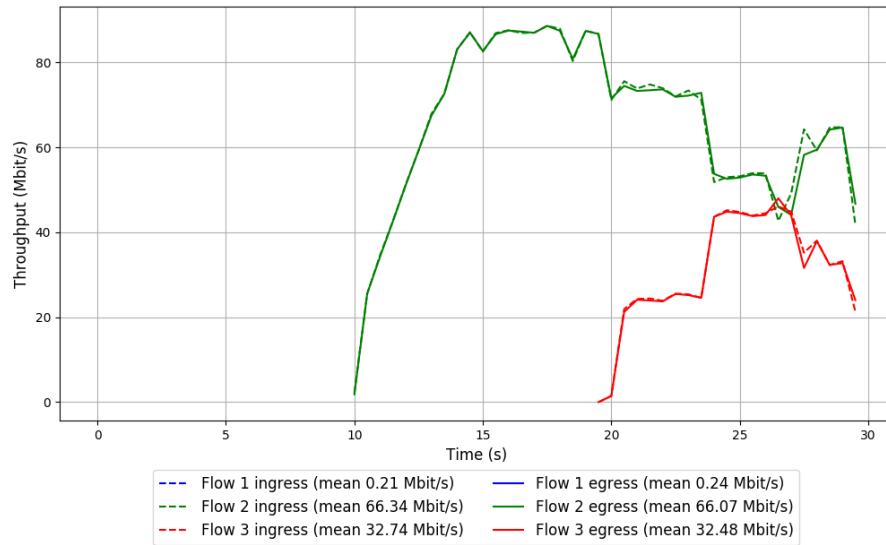


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-08 01:34:27
End at: 2017-09-08 01:34:57
Local clock offset: -0.178 ms
Remote clock offset: -3.333 ms

# Below is generated by plot.py at 2017-09-08 04:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 40.121 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 11.561 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 39.809 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 40.743 ms
Loss rate: 0.51%
```

Run 3: Report of QUIC Cubic — Data Link

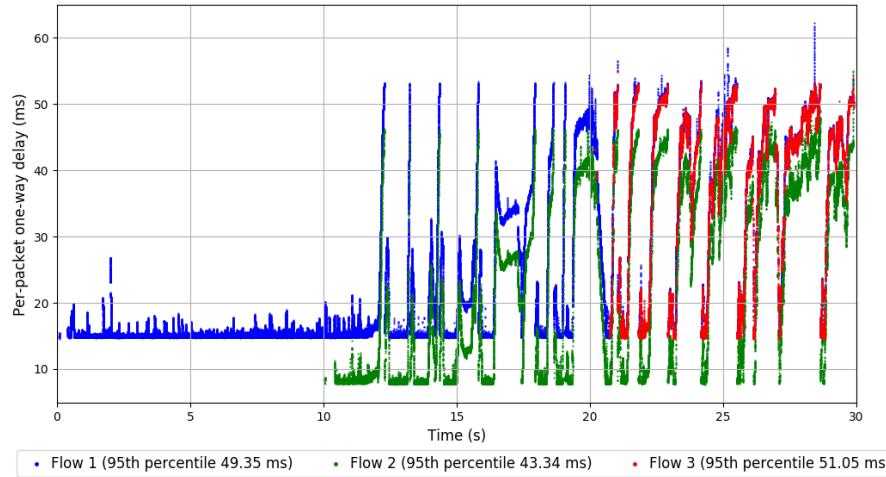
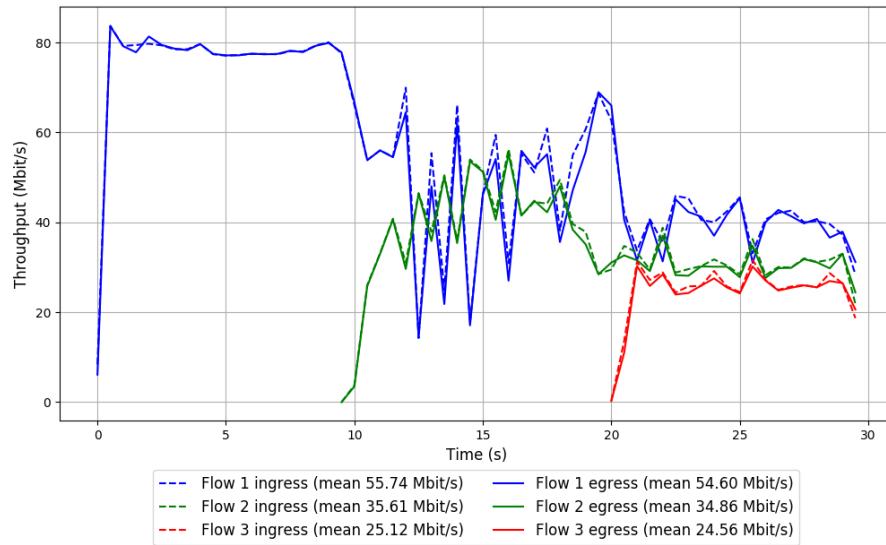


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-08 01:52:48
End at: 2017-09-08 01:53:18
Local clock offset: 0.714 ms
Remote clock offset: -2.669 ms

# Below is generated by plot.py at 2017-09-08 04:53:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 49.079 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 49.348 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 43.336 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 51.049 ms
Loss rate: 2.28%
```

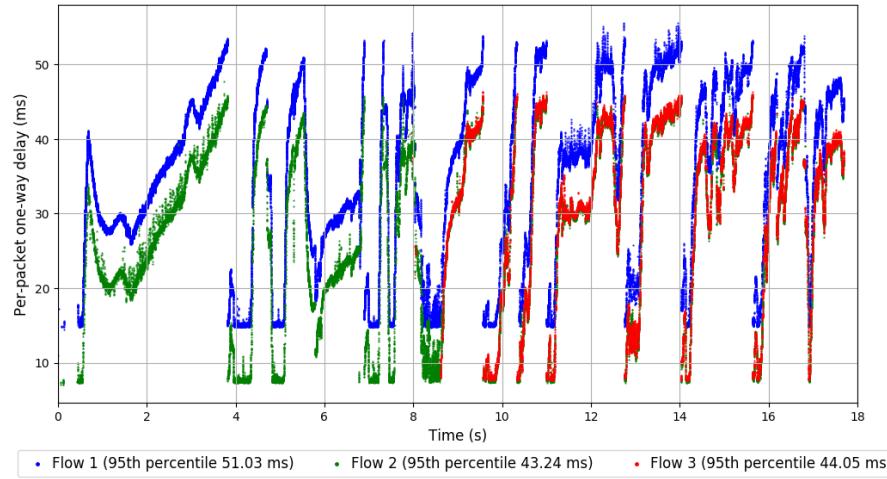
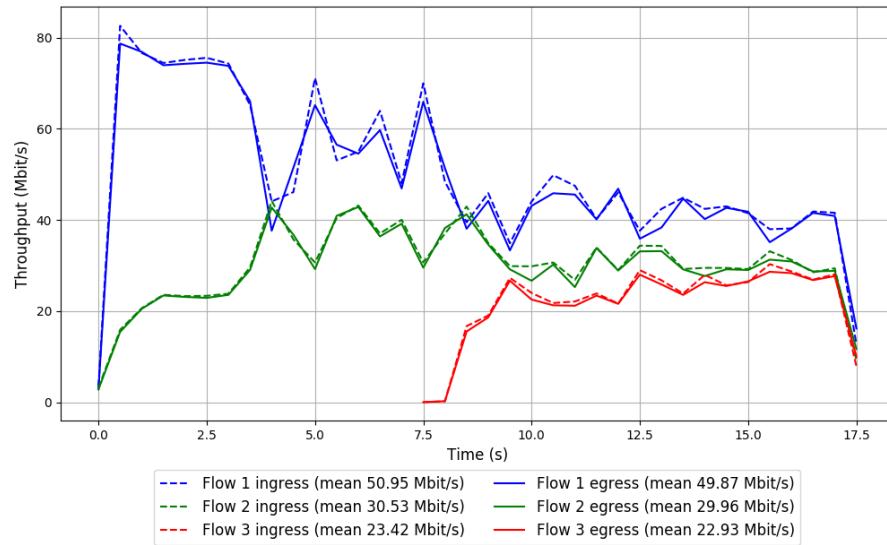
Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-08 02:11:31
End at: 2017-09-08 02:12:01
Local clock offset: 1.119 ms
Remote clock offset: -2.782 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

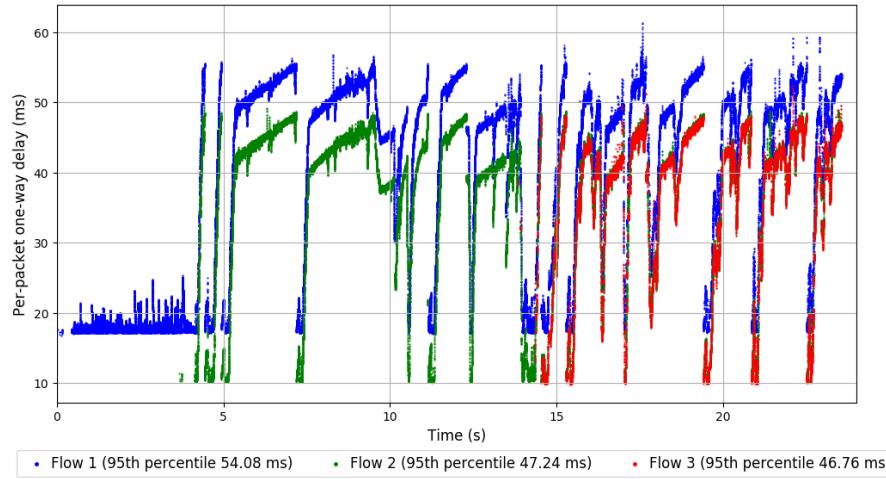
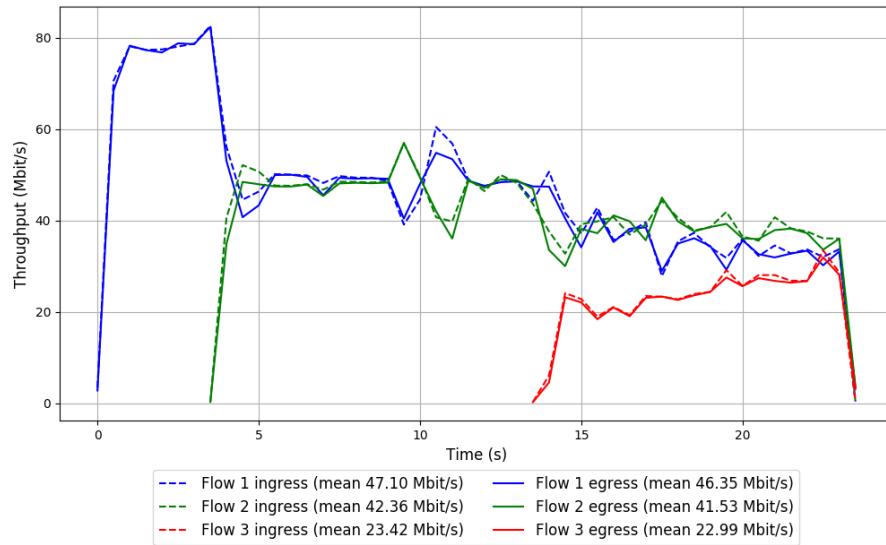
Start at: 2017-09-08 02:30:08

End at: 2017-09-08 02:30:38

Local clock offset: -1.131 ms

Remote clock offset: -2.854 ms

Run 6: Report of QUIC Cubic — Data Link

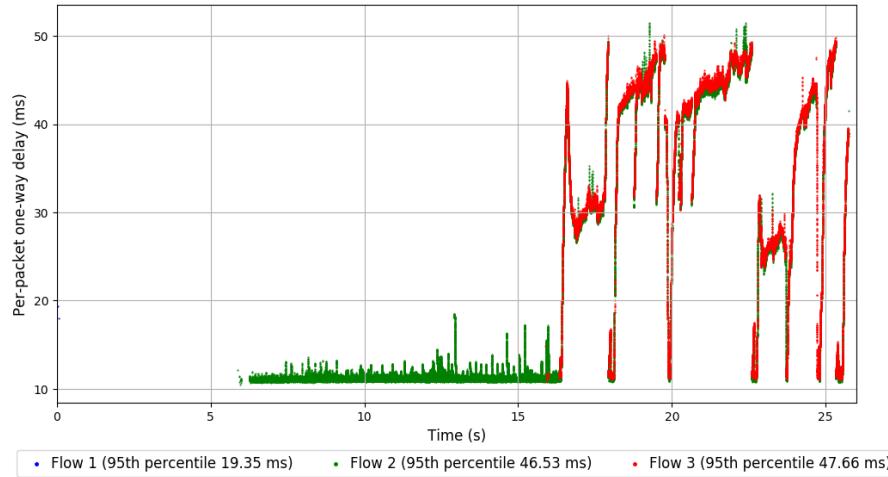
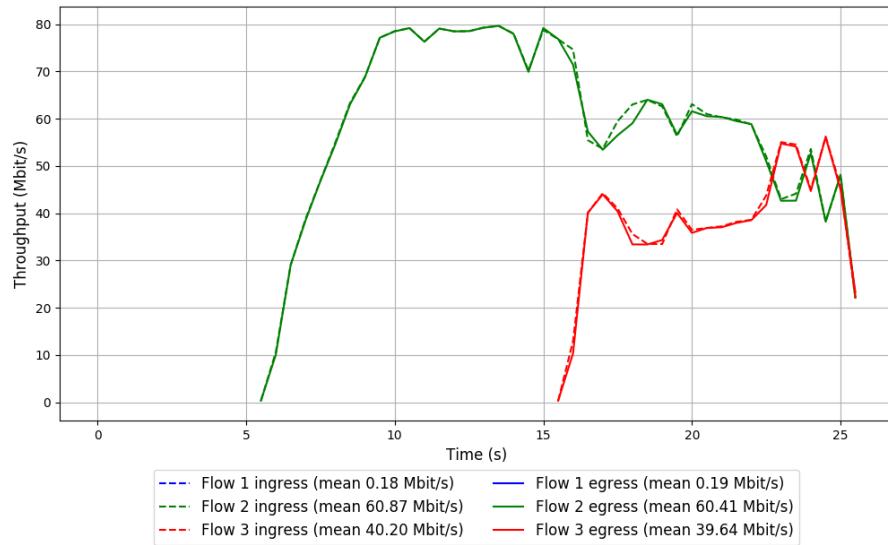


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-08 02:49:01
End at: 2017-09-08 02:49:31
Local clock offset: 0.56 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2017-09-08 04:53:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 47.004 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 46.526 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 47.664 ms
Loss rate: 1.18%
```

Run 7: Report of QUIC Cubic — Data Link

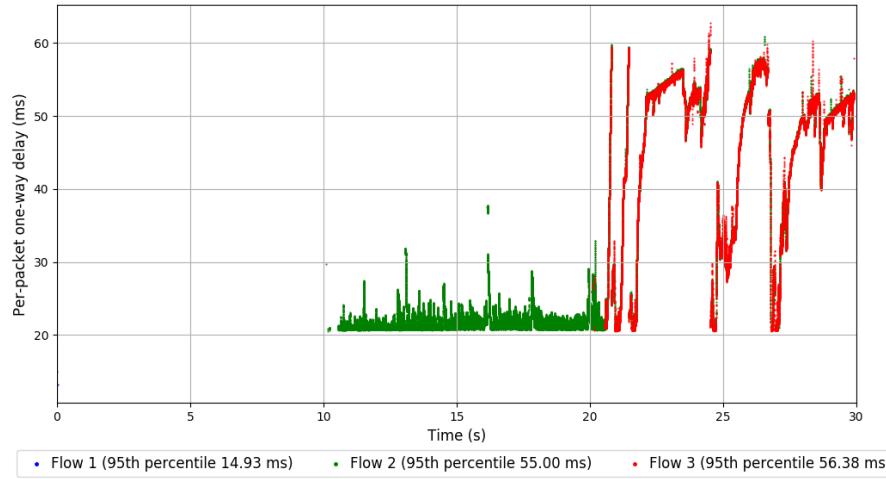
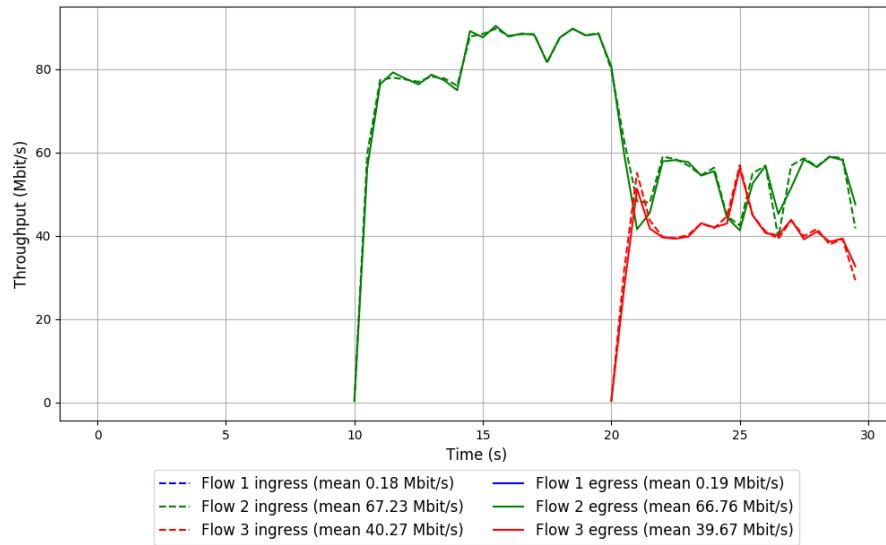


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-08 03:07:36
End at: 2017-09-08 03:08:06
Local clock offset: -1.408 ms
Remote clock offset: 0.682 ms

# Below is generated by plot.py at 2017-09-08 04:53:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 55.573 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 14.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 55.001 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 56.383 ms
Loss rate: 1.22%
```

Run 8: Report of QUIC Cubic — Data Link

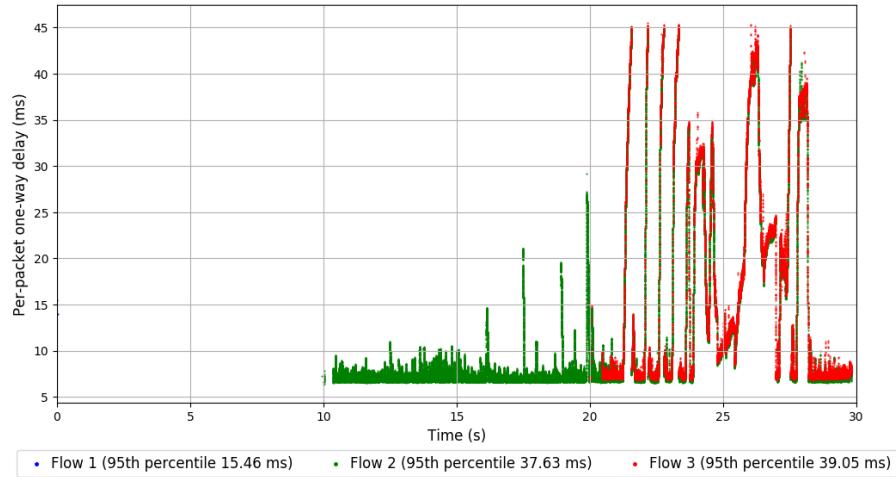
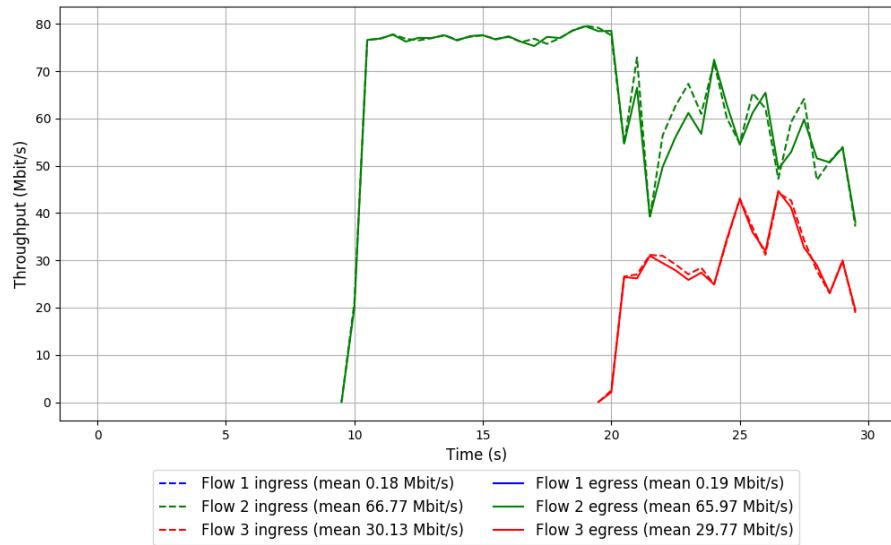


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-08 03:26:52
End at: 2017-09-08 03:27:22
Local clock offset: 1.476 ms
Remote clock offset: -3.061 ms

# Below is generated by plot.py at 2017-09-08 04:53:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 37.874 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 15.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 37.635 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 39.052 ms
Loss rate: 1.27%
```

Run 9: Report of QUIC Cubic — Data Link

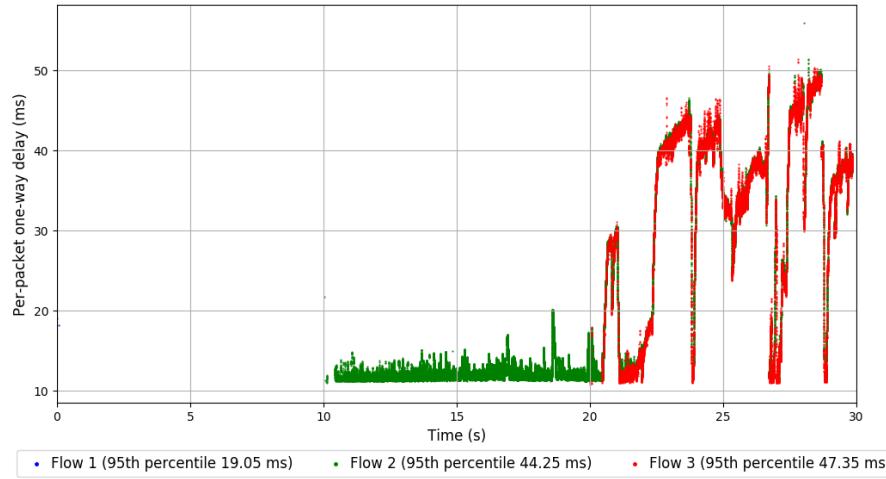
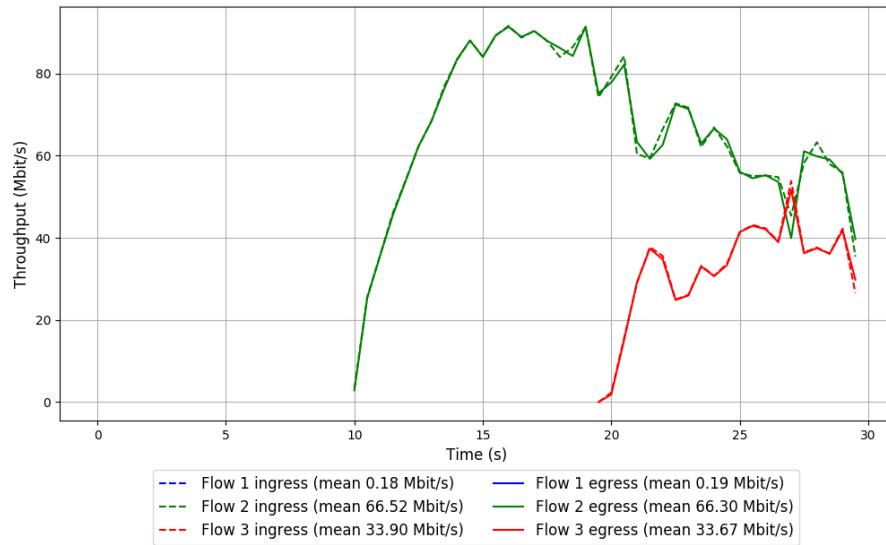


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-08 03:45:31
End at: 2017-09-08 03:46:01
Local clock offset: -1.654 ms
Remote clock offset: -1.891 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 45.048 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 44.252 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 47.350 ms
Loss rate: 0.48%
```

Run 10: Report of QUIC Cubic — Data Link

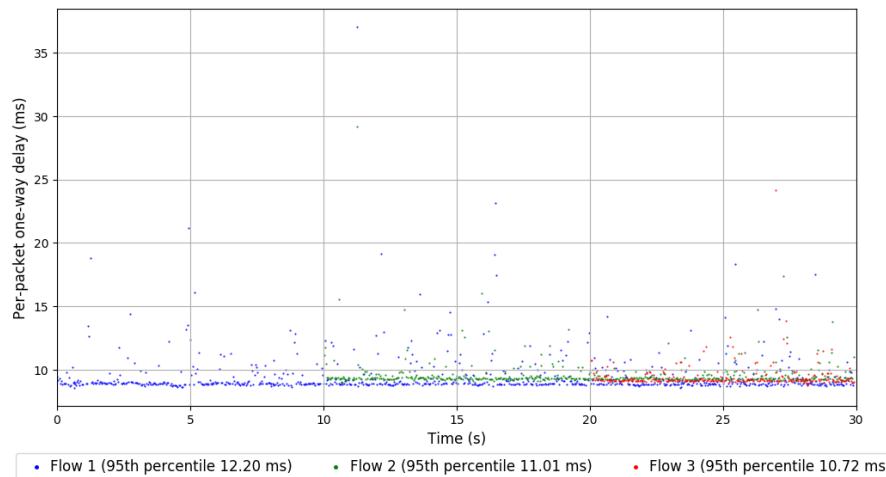
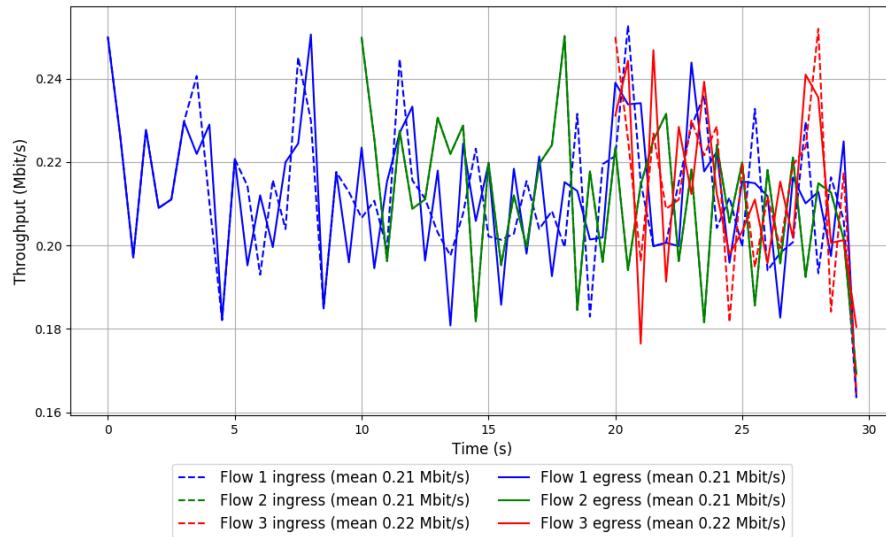


Run 1: Statistics of SCReAM

```
Start at: 2017-09-08 00:55:34
End at: 2017-09-08 00:56:04
Local clock offset: -2.982 ms
Remote clock offset: -4.187 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.722 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

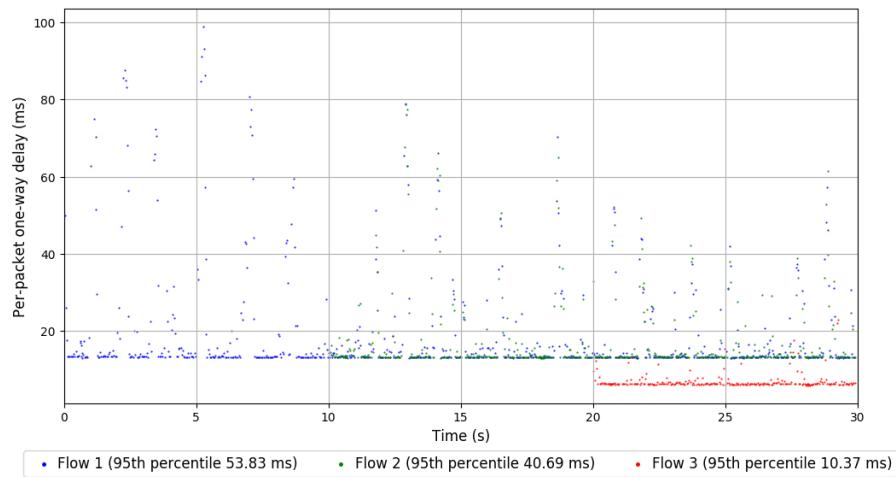
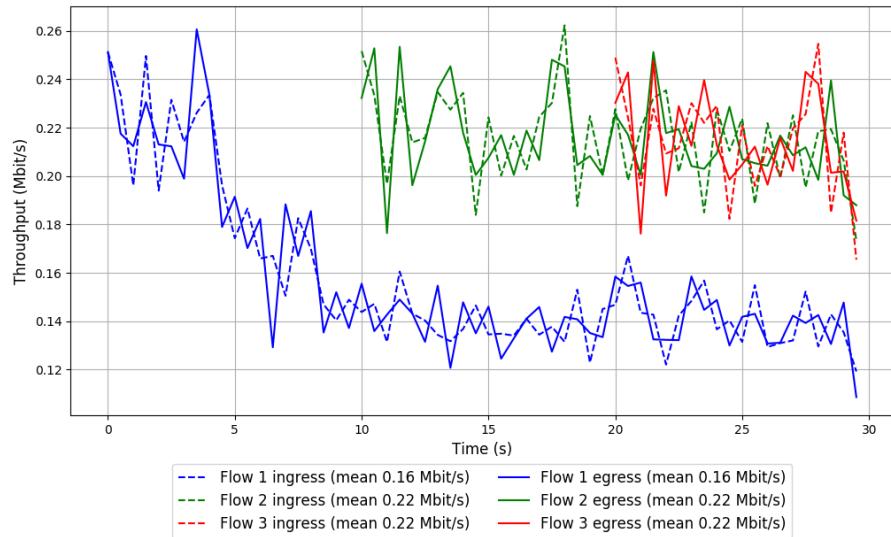


Run 2: Statistics of SCReAM

```
Start at: 2017-09-08 01:13:34
End at: 2017-09-08 01:14:04
Local clock offset: 0.028 ms
Remote clock offset: -4.31 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 43.264 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 53.830 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.368 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

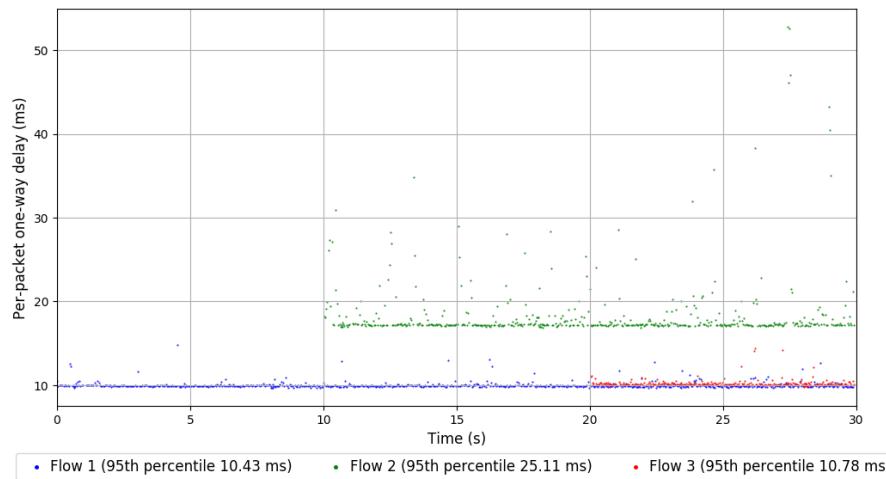
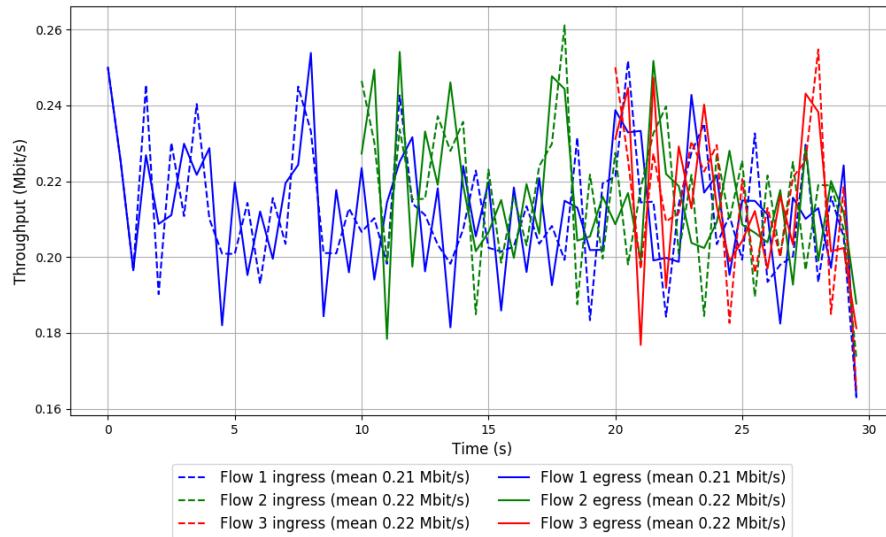


Run 3: Statistics of SCReAM

```
Start at: 2017-09-08 01:32:07
End at: 2017-09-08 01:32:37
Local clock offset: -1.474 ms
Remote clock offset: -2.071 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.784 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

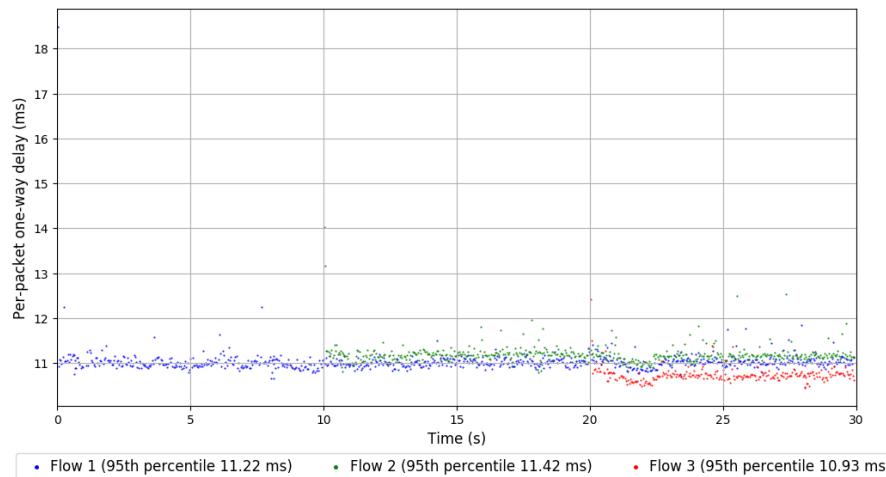
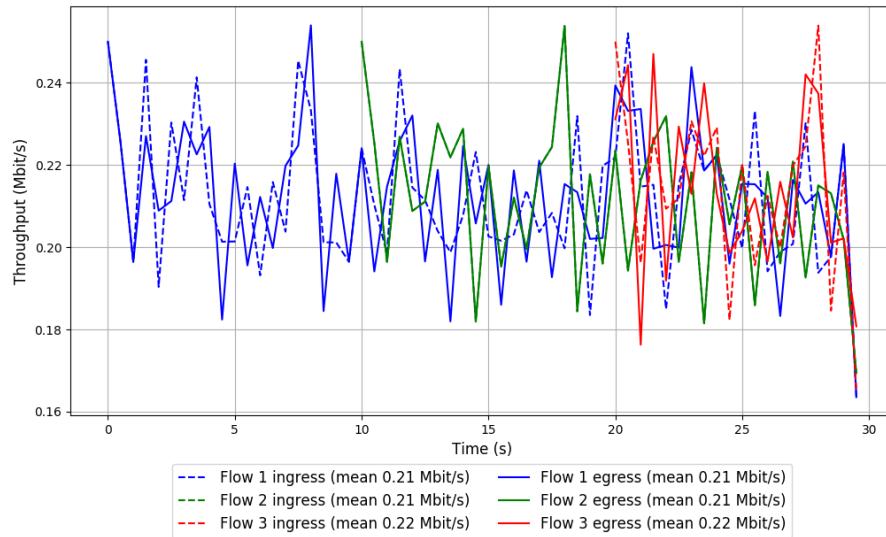


Run 4: Statistics of SCReAM

```
Start at: 2017-09-08 01:50:26
End at: 2017-09-08 01:50:56
Local clock offset: -1.905 ms
Remote clock offset: -1.924 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.219 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.422 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.930 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

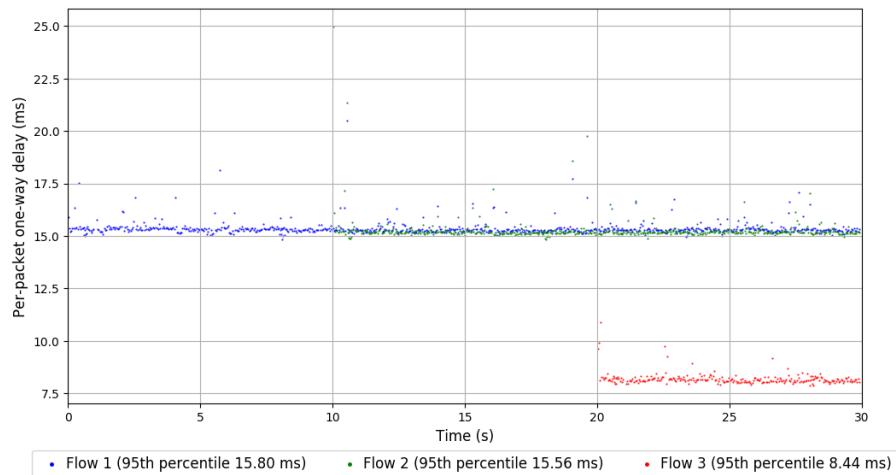
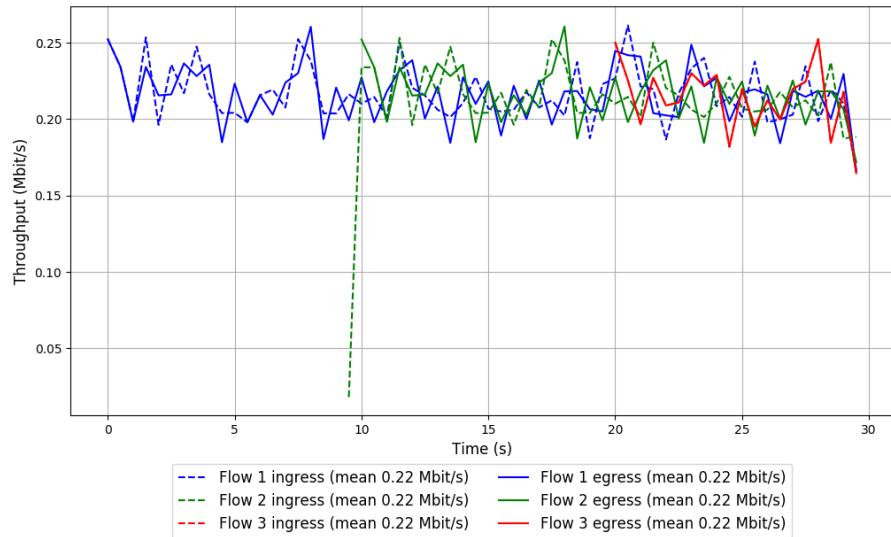


Run 5: Statistics of SCReAM

```
Start at: 2017-09-08 02:09:10
End at: 2017-09-08 02:09:40
Local clock offset: 0.475 ms
Remote clock offset: -3.014 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.604 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.565 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.440 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

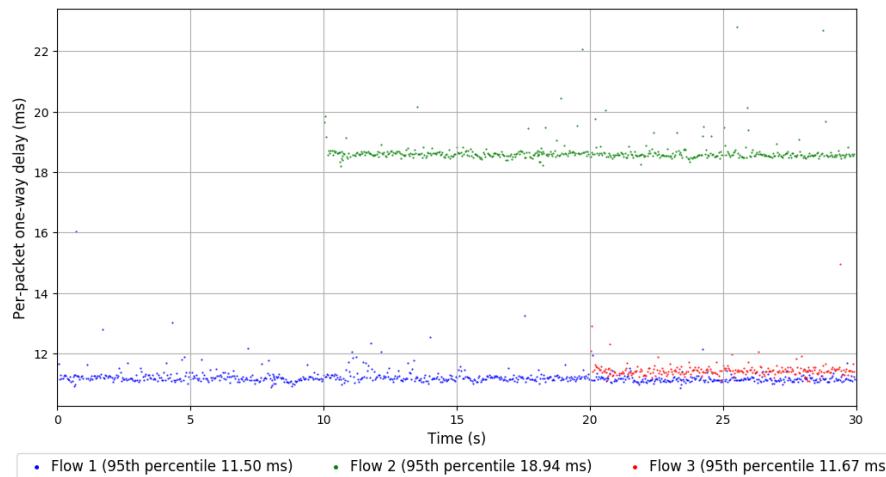
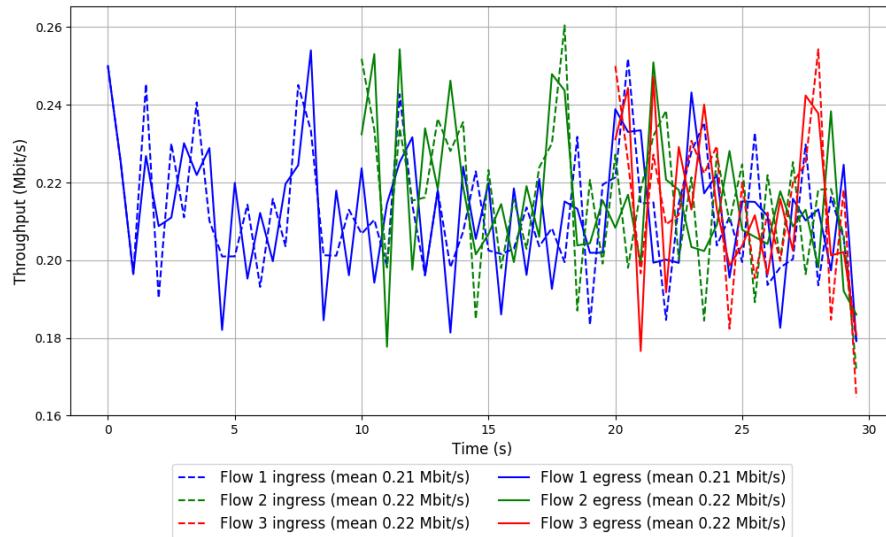


Run 6: Statistics of SCReAM

```
Start at: 2017-09-08 02:27:47
End at: 2017-09-08 02:28:17
Local clock offset: -1.491 ms
Remote clock offset: -2.076 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.936 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.669 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

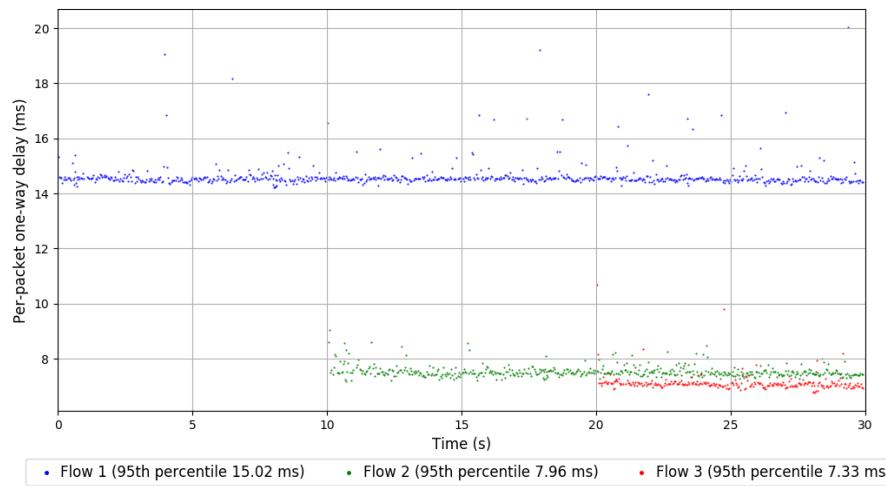
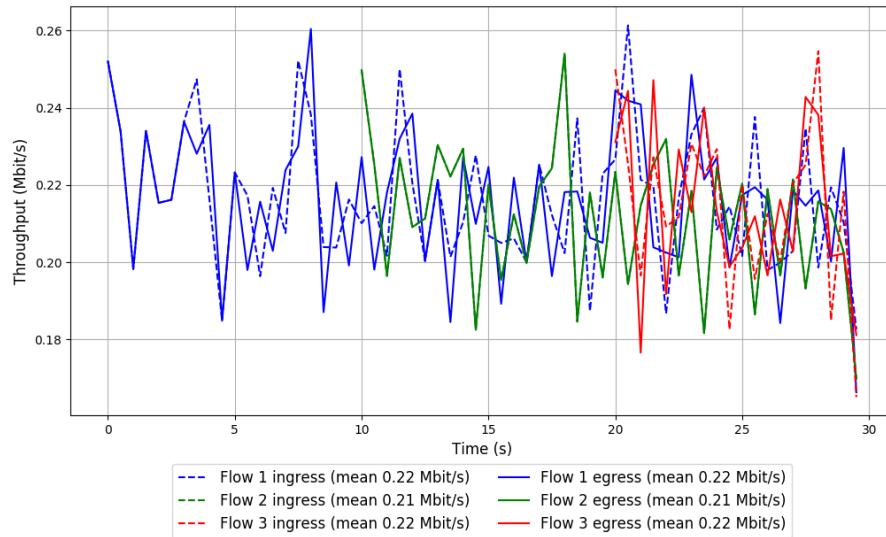


Run 7: Statistics of SCReAM

```
Start at: 2017-09-08 02:46:38
End at: 2017-09-08 02:47:08
Local clock offset: 1.153 ms
Remote clock offset: -3.322 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.739 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.016 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.335 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

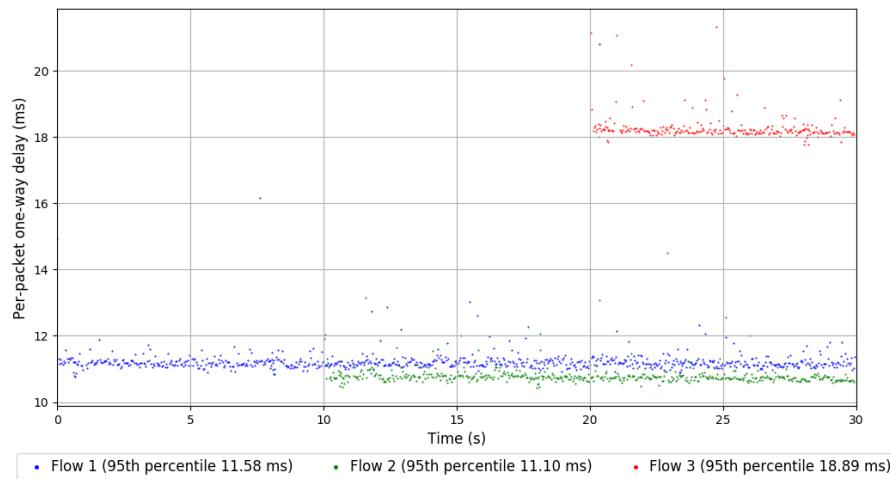
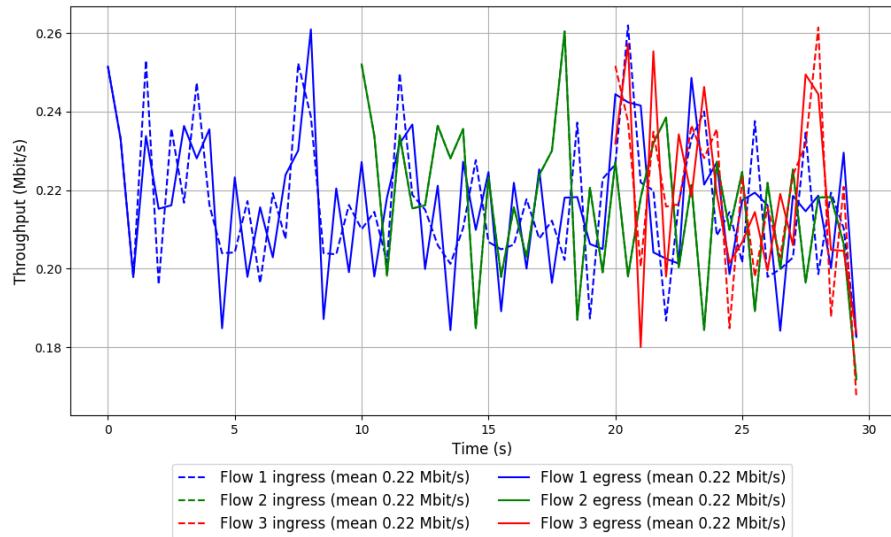


Run 8: Statistics of SCReAM

```
Start at: 2017-09-08 03:05:16
End at: 2017-09-08 03:05:46
Local clock offset: 0.988 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

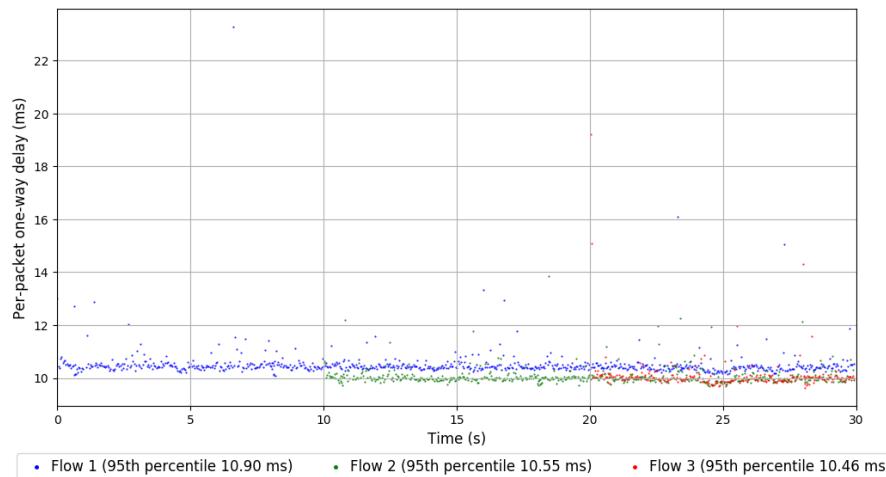
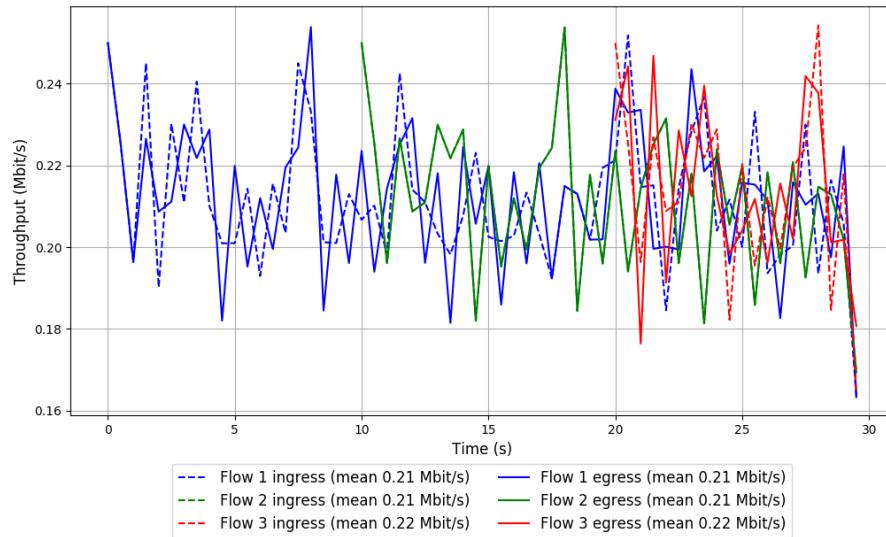


Run 9: Statistics of SCReAM

```
Start at: 2017-09-08 03:24:25
End at: 2017-09-08 03:24:55
Local clock offset: -1.708 ms
Remote clock offset: -3.014 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.458 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

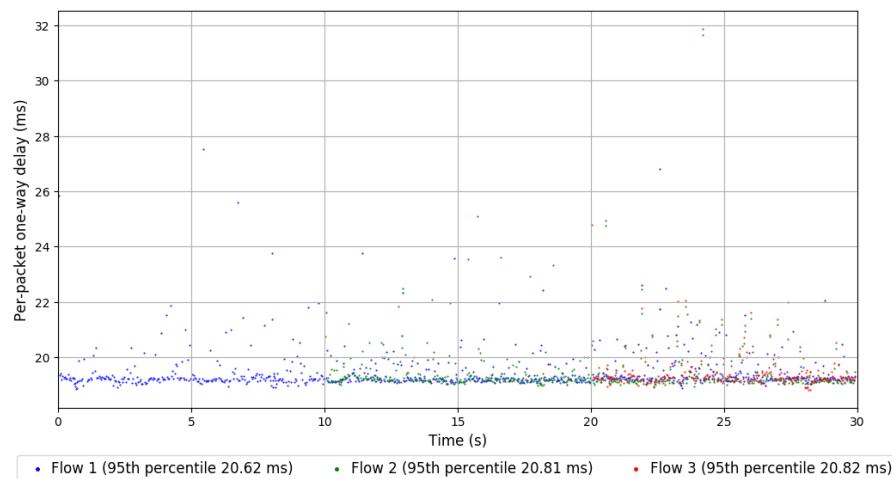
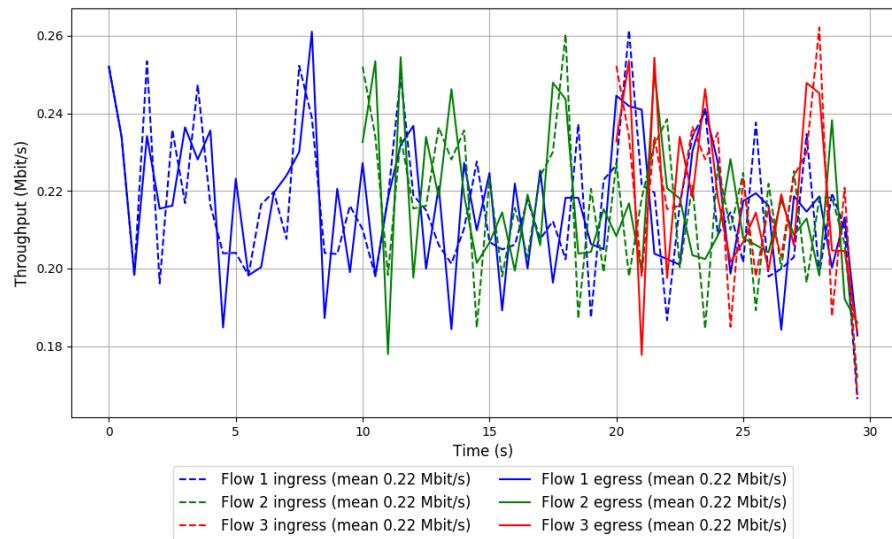


Run 10: Statistics of SCReAM

```
Start at: 2017-09-08 03:43:09
End at: 2017-09-08 03:43:39
Local clock offset: -2.886 ms
Remote clock offset: -2.333 ms

# Below is generated by plot.py at 2017-09-08 04:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.758 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.616 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.825 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

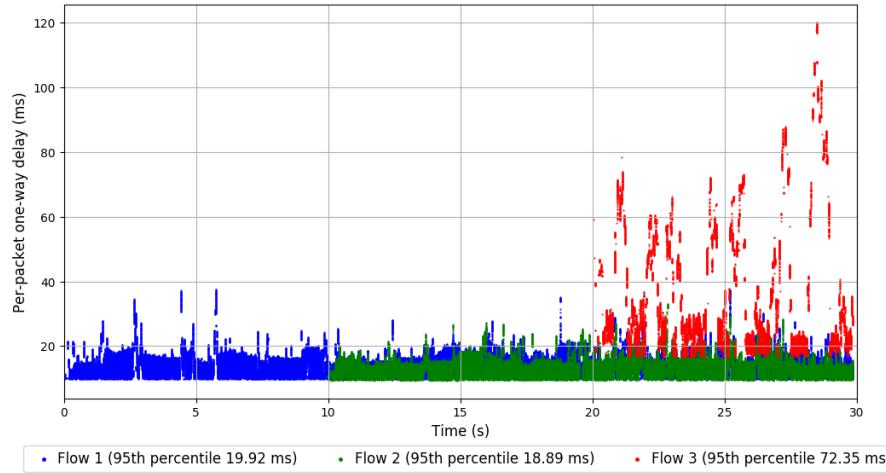
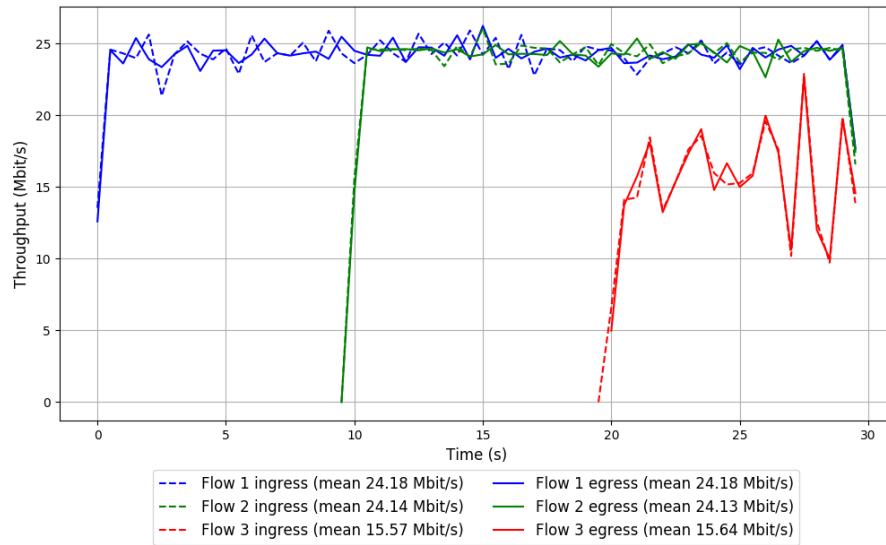


Run 1: Statistics of Sprout

```
Start at: 2017-09-08 01:04:01
End at: 2017-09-08 01:04:31
Local clock offset: -3.533 ms
Remote clock offset: -4.253 ms

# Below is generated by plot.py at 2017-09-08 04:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 27.944 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 19.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 72.347 ms
Loss rate: 0.12%
```

Run 1: Report of Sprout — Data Link

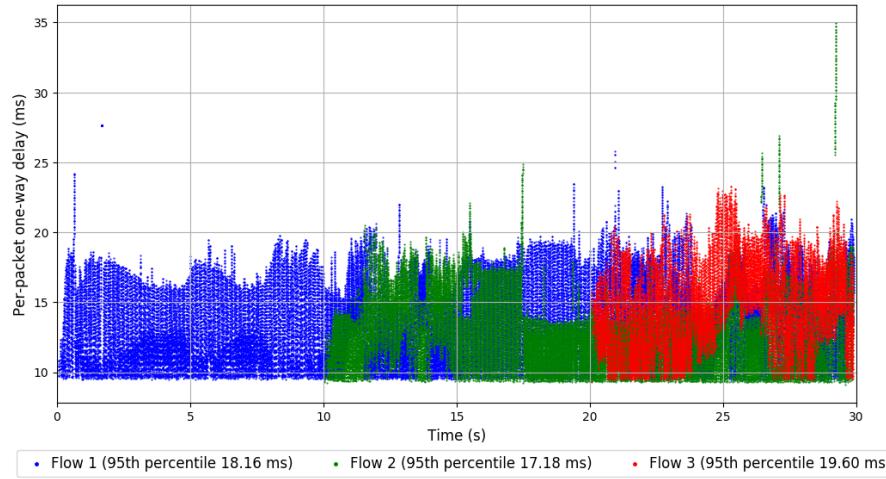
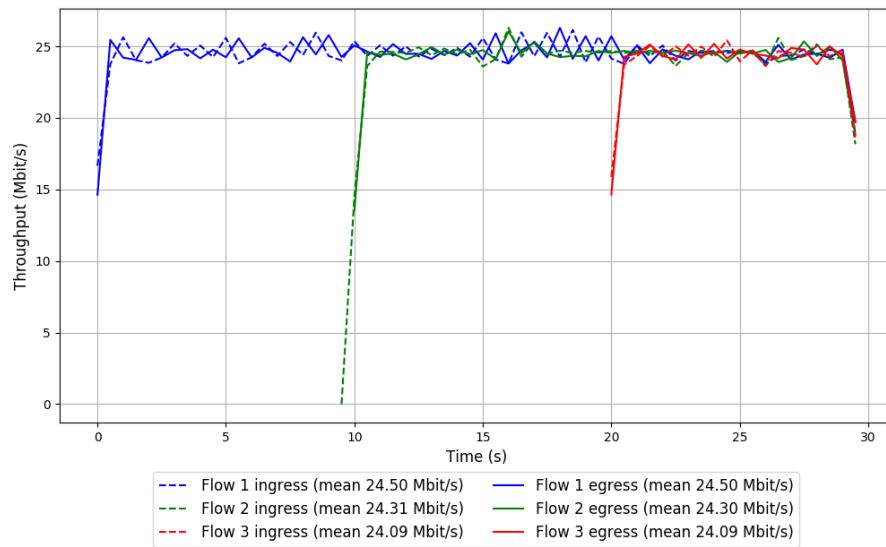


Run 2: Statistics of Sprout

```
Start at: 2017-09-08 01:22:07
End at: 2017-09-08 01:22:37
Local clock offset: -2.659 ms
Remote clock offset: -3.737 ms

# Below is generated by plot.py at 2017-09-08 04:54:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 18.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 18.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 17.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 19.604 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

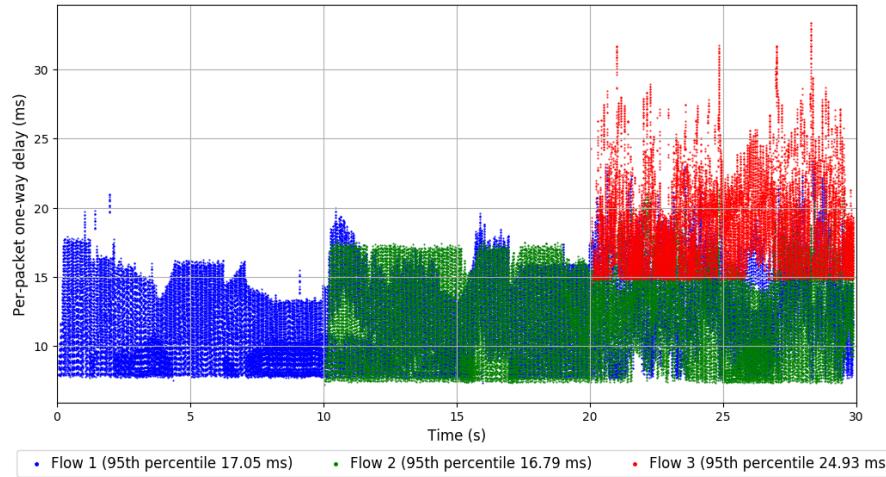
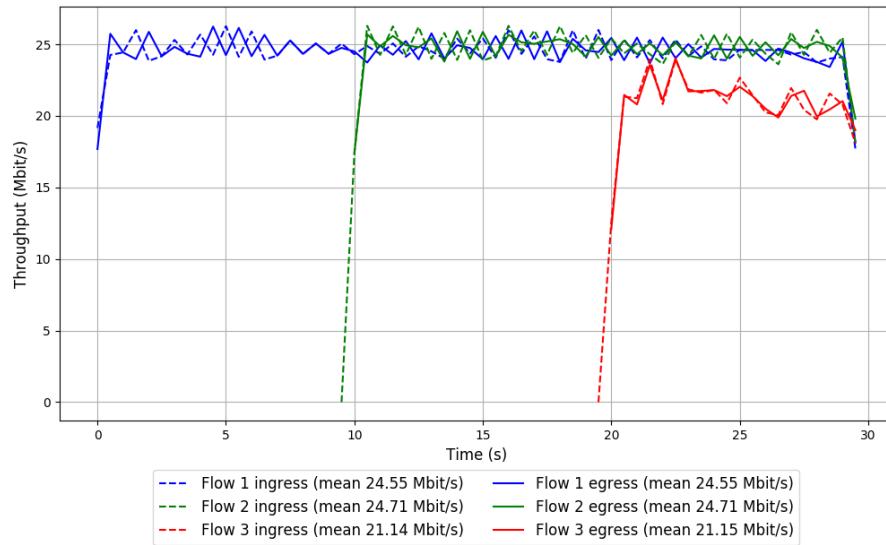


Run 3: Statistics of Sprout

```
Start at: 2017-09-08 01:40:31
End at: 2017-09-08 01:41:01
Local clock offset: 0.553 ms
Remote clock offset: -2.451 ms

# Below is generated by plot.py at 2017-09-08 04:54:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 19.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 17.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 16.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 24.930 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

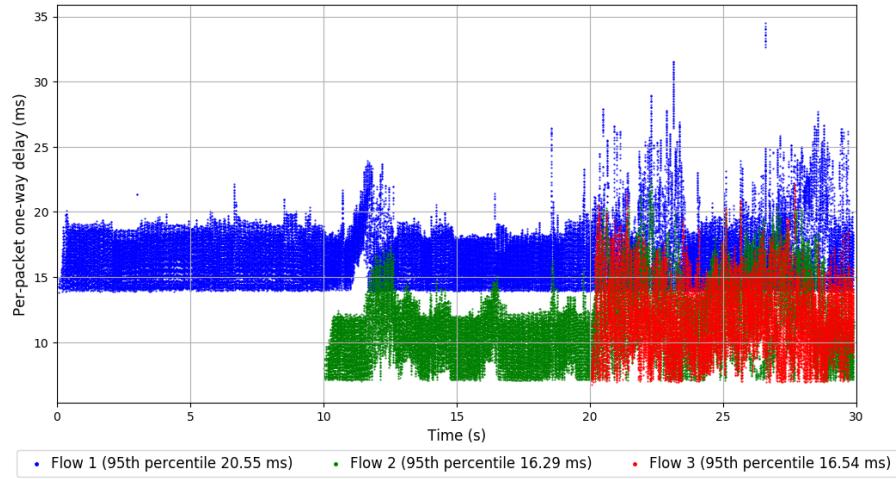
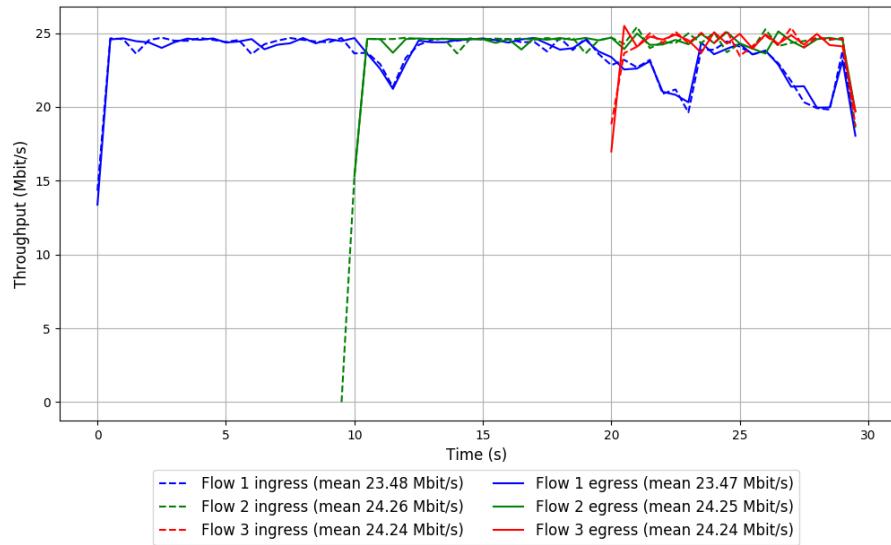


Run 4: Statistics of Sprout

```
Start at: 2017-09-08 01:59:09
End at: 2017-09-08 01:59:39
Local clock offset: 0.632 ms
Remote clock offset: -3.631 ms

# Below is generated by plot.py at 2017-09-08 04:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 20.551 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 16.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 16.538 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

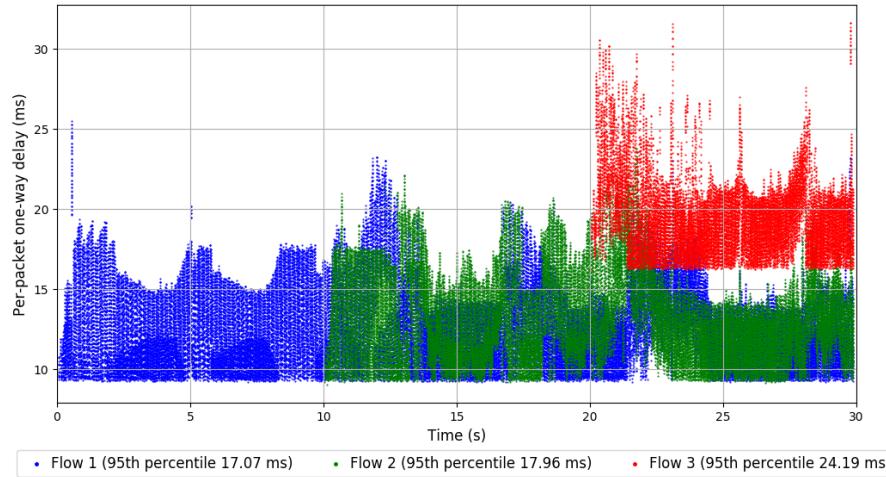
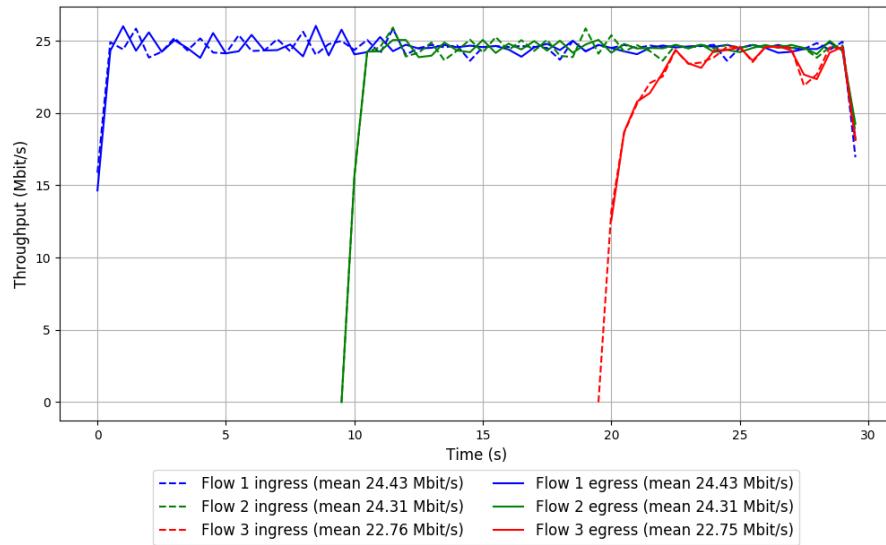


Run 5: Statistics of Sprout

```
Start at: 2017-09-08 02:17:39
End at: 2017-09-08 02:18:09
Local clock offset: -0.333 ms
Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2017-09-08 04:54:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 20.321 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 17.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 17.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 24.191 ms
Loss rate: 0.19%
```

Run 5: Report of Sprout — Data Link

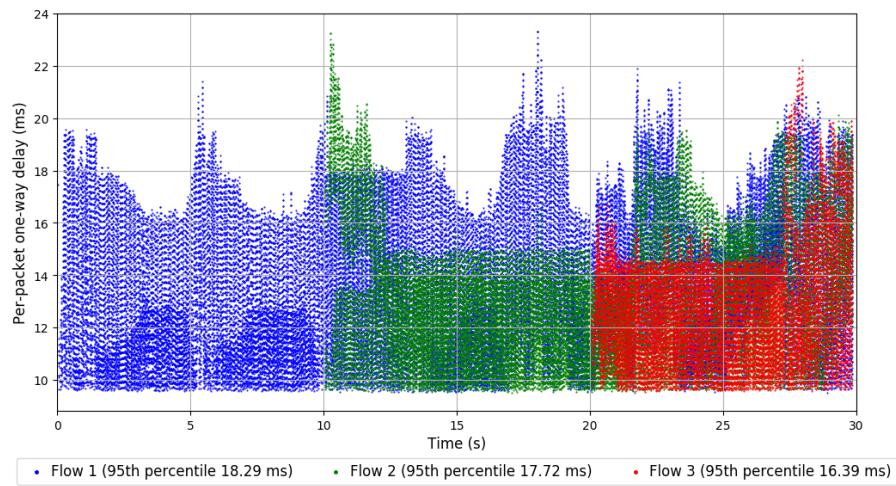
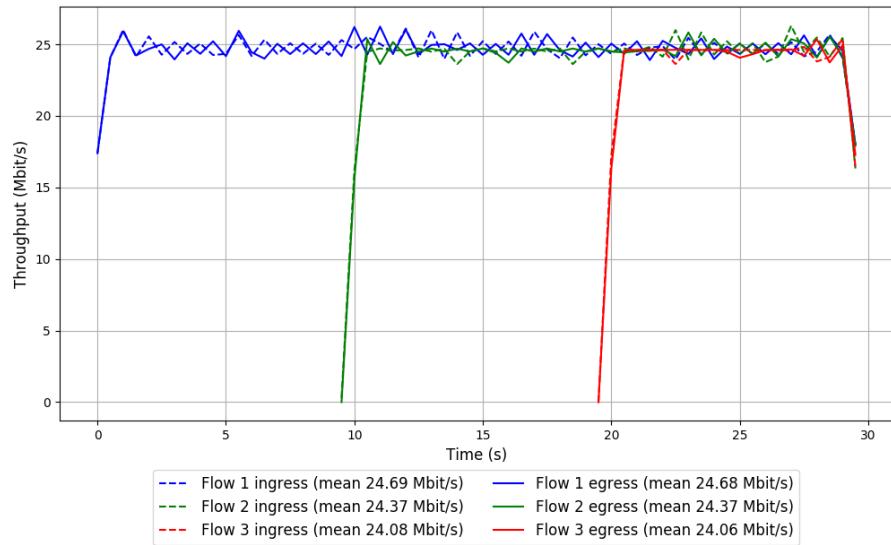


Run 6: Statistics of Sprout

```
Start at: 2017-09-08 02:36:26
End at: 2017-09-08 02:36:56
Local clock offset: -0.434 ms
Remote clock offset: -2.597 ms

# Below is generated by plot.py at 2017-09-08 04:54:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 17.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 18.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 17.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 16.386 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

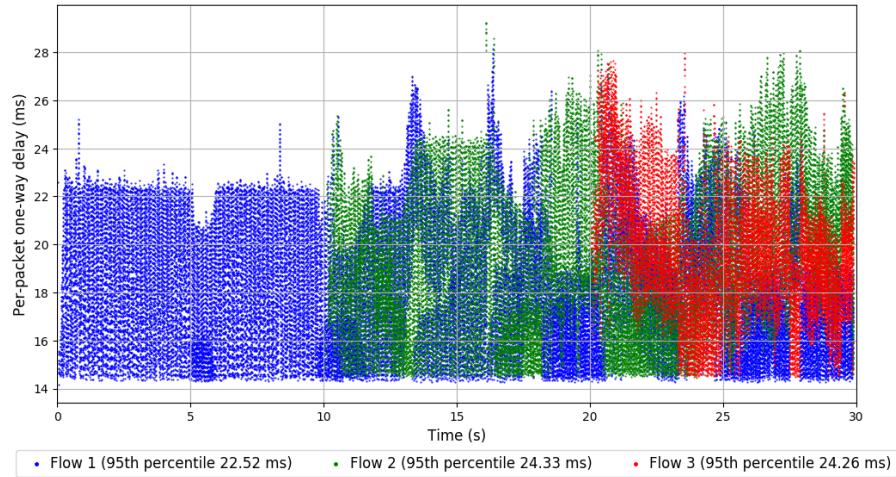
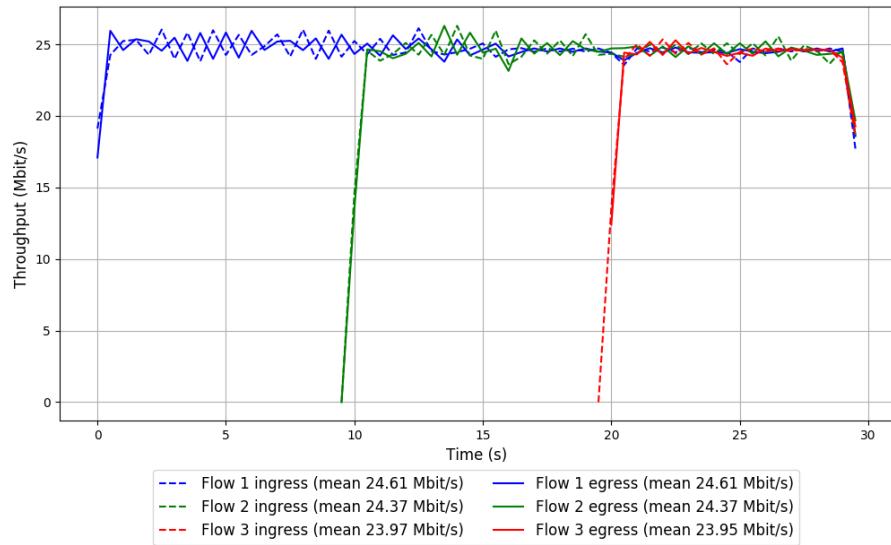


Run 7: Statistics of Sprout

```
Start at: 2017-09-08 02:55:14
End at: 2017-09-08 02:55:44
Local clock offset: -2.678 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2017-09-08 04:54:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 23.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 22.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 24.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 24.257 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

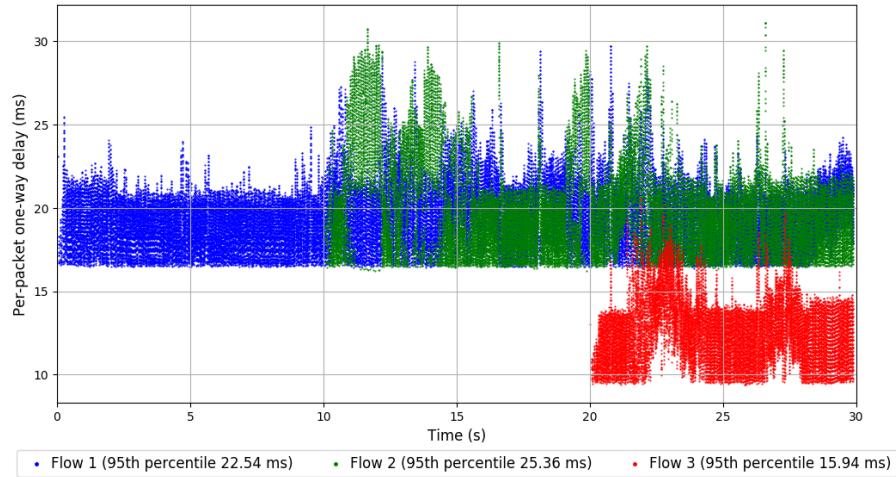
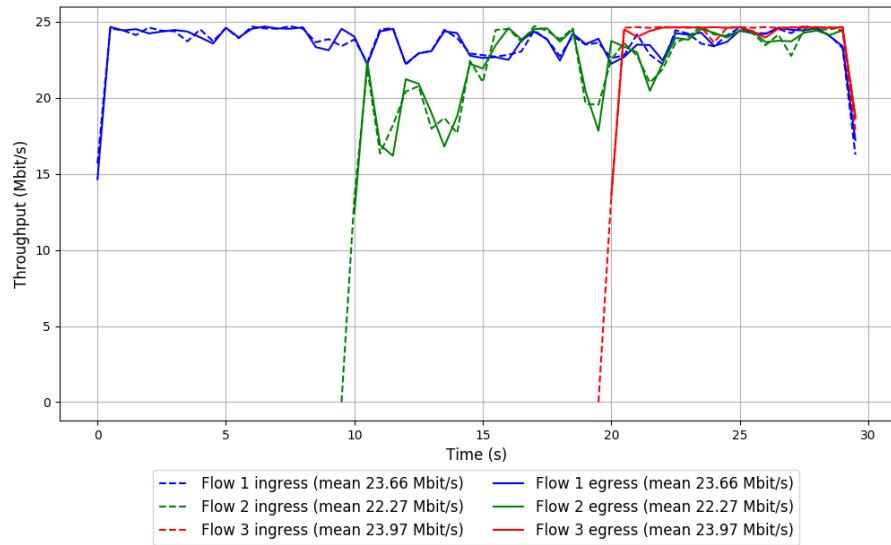


Run 8: Statistics of Sprout

```
Start at: 2017-09-08 03:14:00
End at: 2017-09-08 03:14:30
Local clock offset: 1.379 ms
Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2017-09-08 04:54:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 23.303 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 22.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 25.356 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 15.942 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

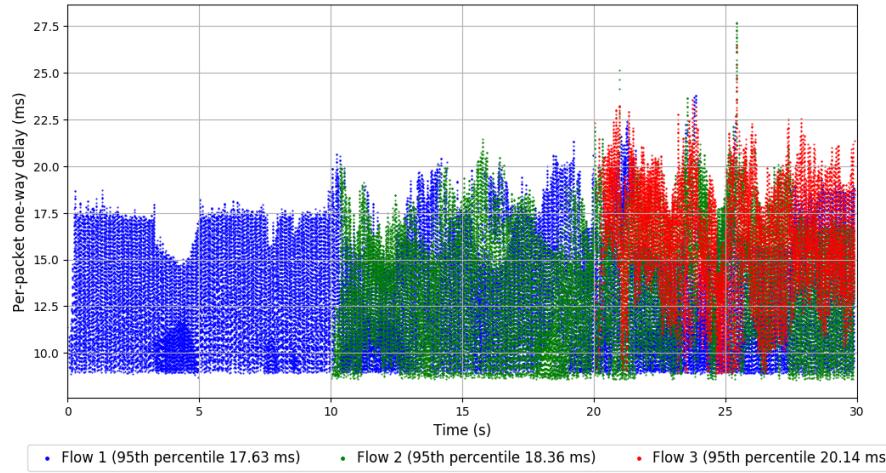
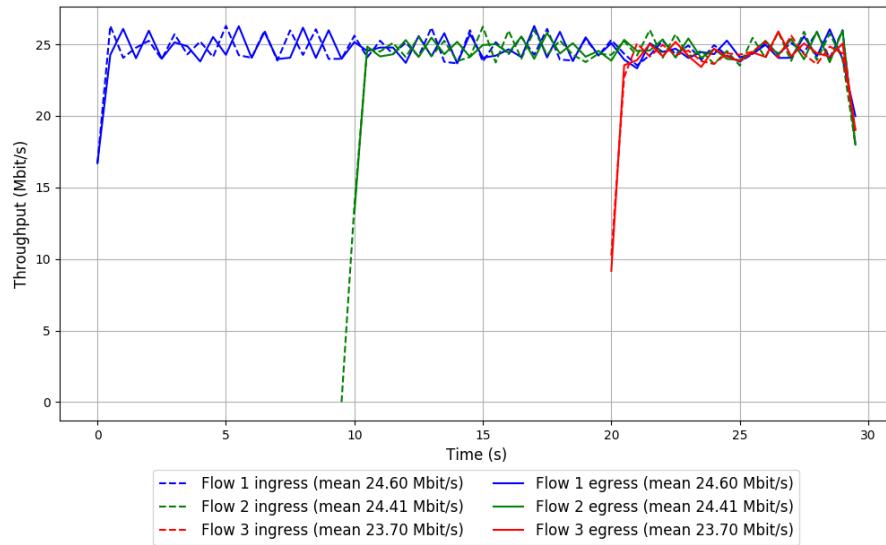


Run 9: Statistics of Sprout

```
Start at: 2017-09-08 03:33:00
End at: 2017-09-08 03:33:30
Local clock offset: 0.871 ms
Remote clock offset: -1.637 ms

# Below is generated by plot.py at 2017-09-08 04:54:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 18.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 17.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 18.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 20.142 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

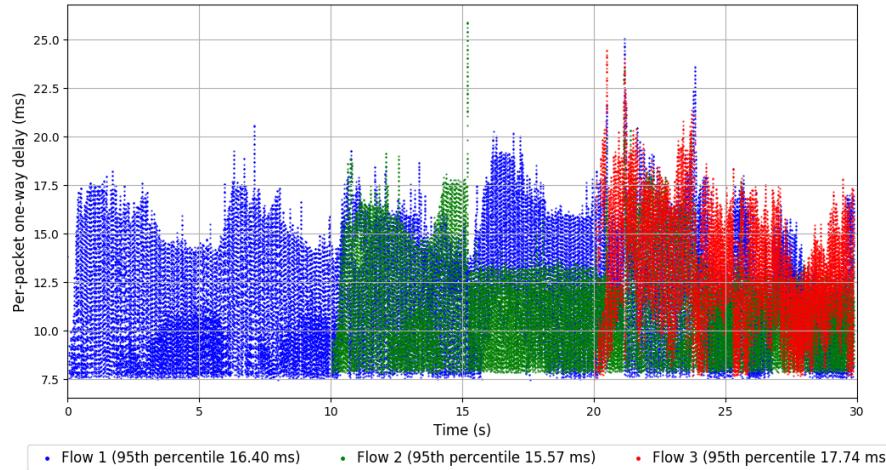
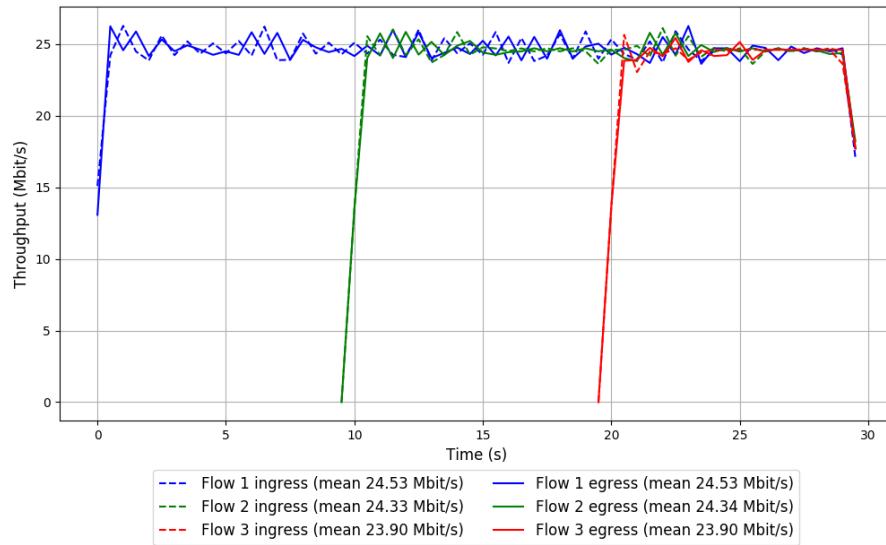


Run 10: Statistics of Sprout

```
Start at: 2017-09-08 03:51:46
End at: 2017-09-08 03:52:16
Local clock offset: 0.901 ms
Remote clock offset: -2.804 ms

# Below is generated by plot.py at 2017-09-08 04:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 16.513 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 16.401 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 15.574 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 17.737 ms
Loss rate: 0.03%
```

Run 10: Report of Sprout — Data Link

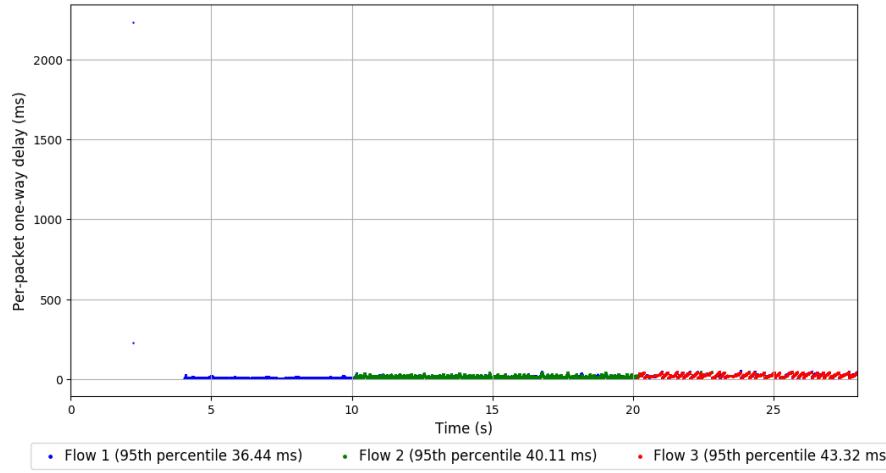
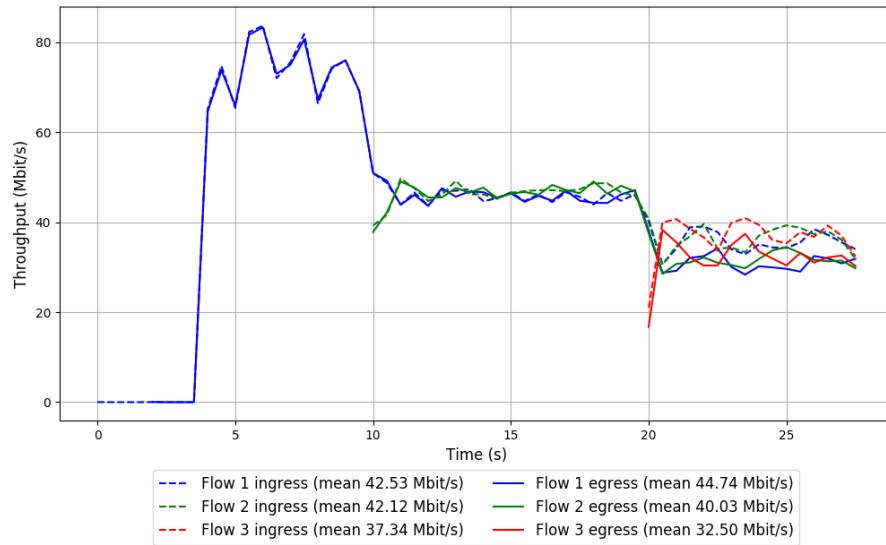


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-08 01:05:09
End at: 2017-09-08 01:05:39
Local clock offset: -1.29 ms
Remote clock offset: -4.177 ms

# Below is generated by plot.py at 2017-09-08 04:54:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 39.930 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 36.442 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 40.109 ms
Loss rate: 4.87%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 43.318 ms
Loss rate: 12.70%
```

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



Run 2: Statistics of TaoVA-100x

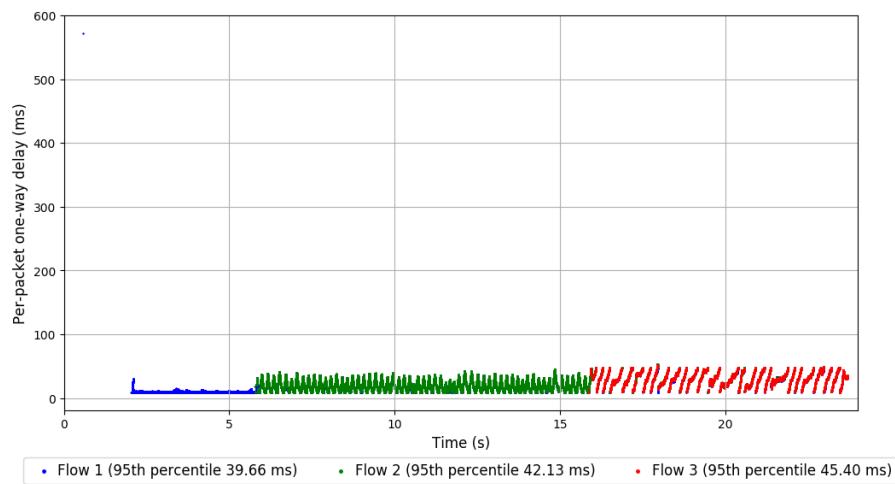
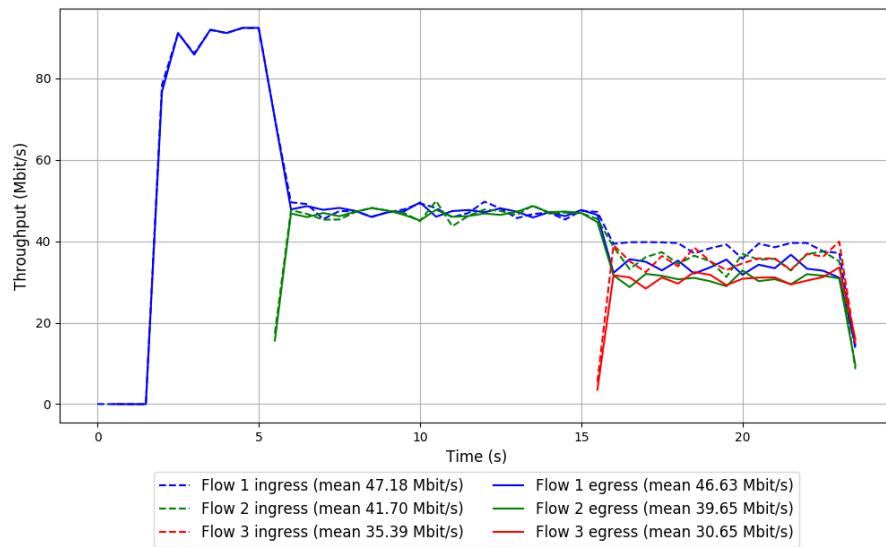
Start at: 2017-09-08 01:23:15

End at: 2017-09-08 01:23:45

Local clock offset: -3.352 ms

Remote clock offset: -4.638 ms

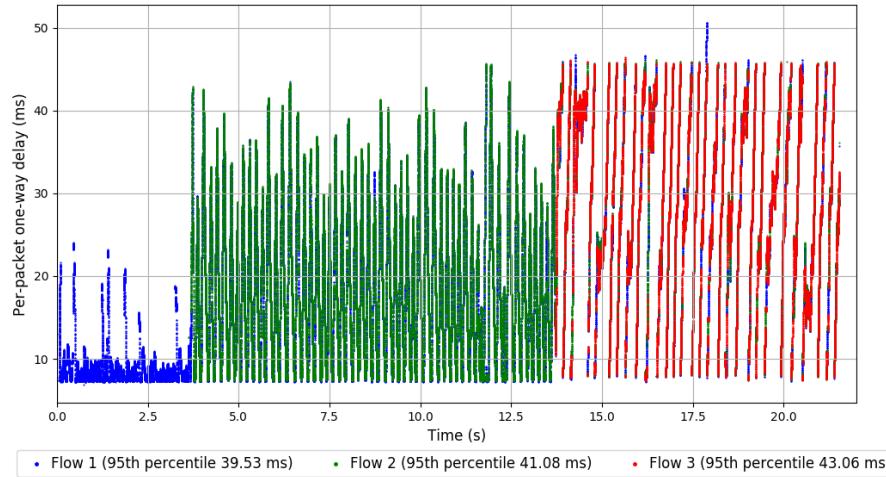
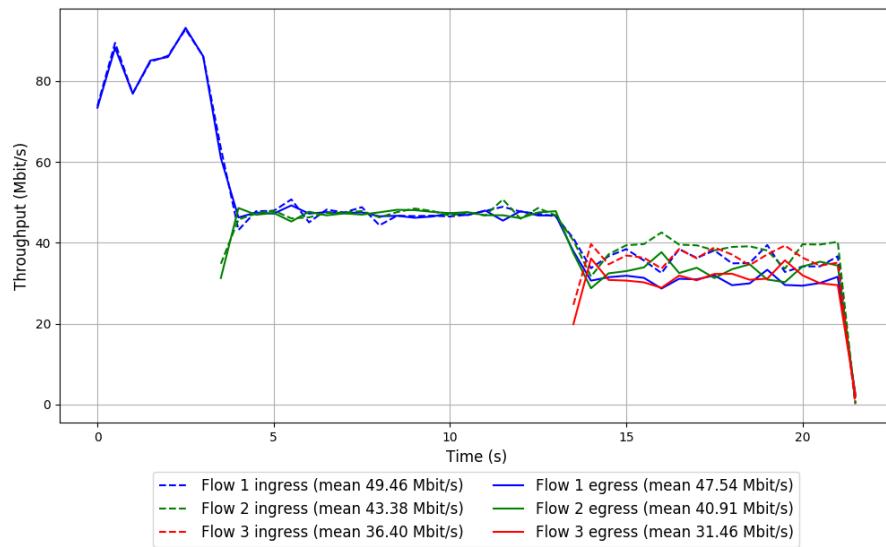
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-08 01:41:39
End at: 2017-09-08 01:42:09
Local clock offset: 0.223 ms
Remote clock offset: -3.286 ms

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

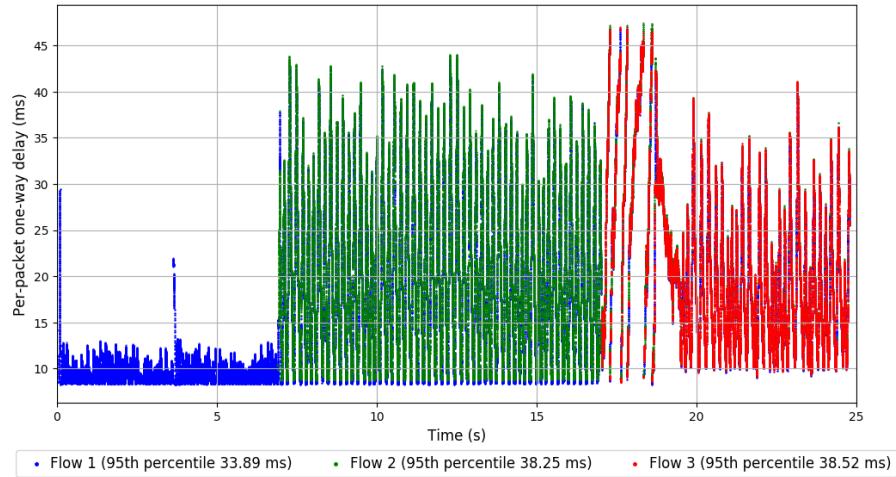
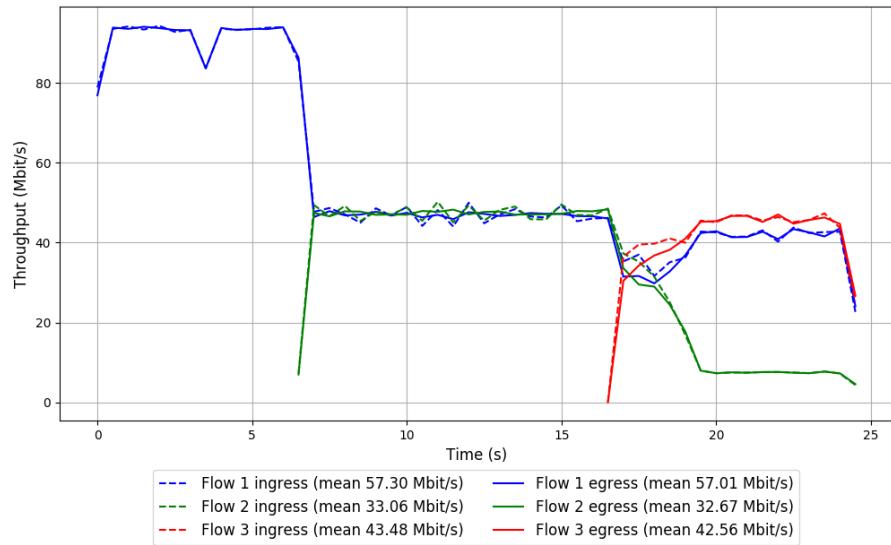


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-08 02:00:18
End at: 2017-09-08 02:00:48
Local clock offset: -0.557 ms
Remote clock offset: -3.167 ms

# Below is generated by plot.py at 2017-09-08 04:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 36.158 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 33.893 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 38.250 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 38.521 ms
Loss rate: 2.22%
```

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

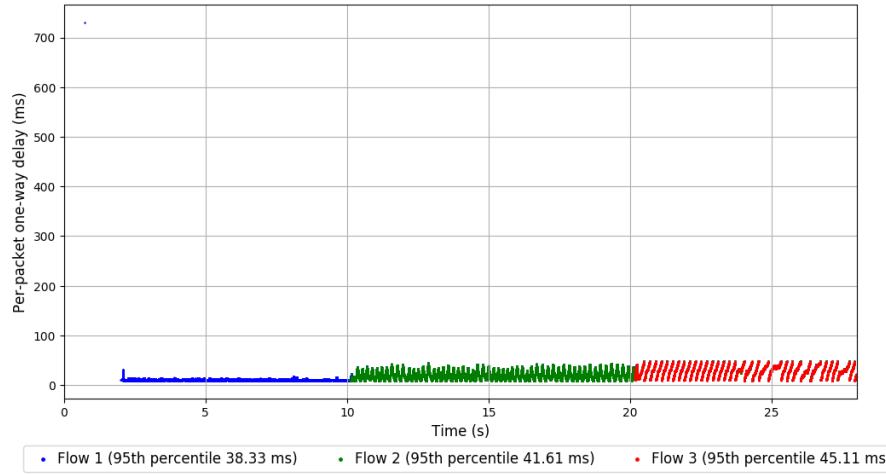
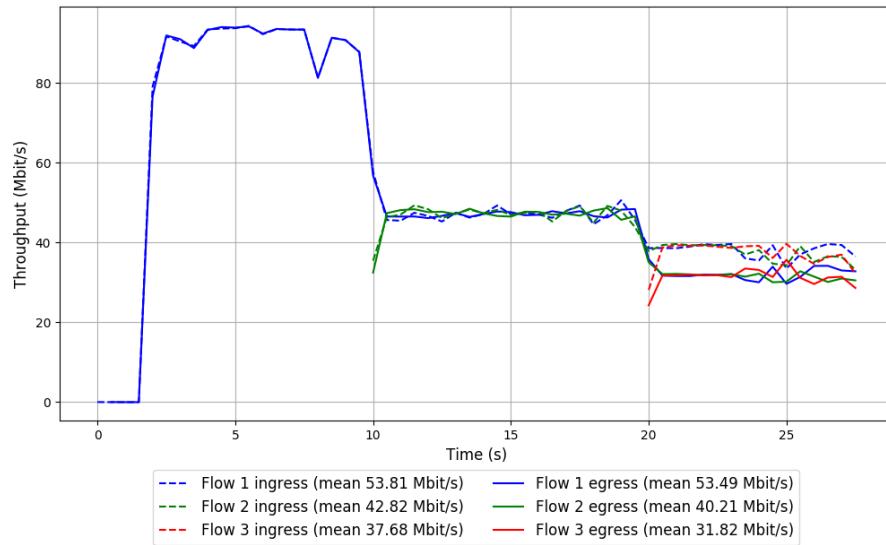


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-08 02:18:50
End at: 2017-09-08 02:19:20
Local clock offset: -1.006 ms
Remote clock offset: -3.427 ms

# Below is generated by plot.py at 2017-09-08 04:55:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 40.932 ms
Loss rate: 5.44%
-- Flow 1:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 38.333 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 41.608 ms
Loss rate: 6.05%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 45.112 ms
Loss rate: 15.65%
```

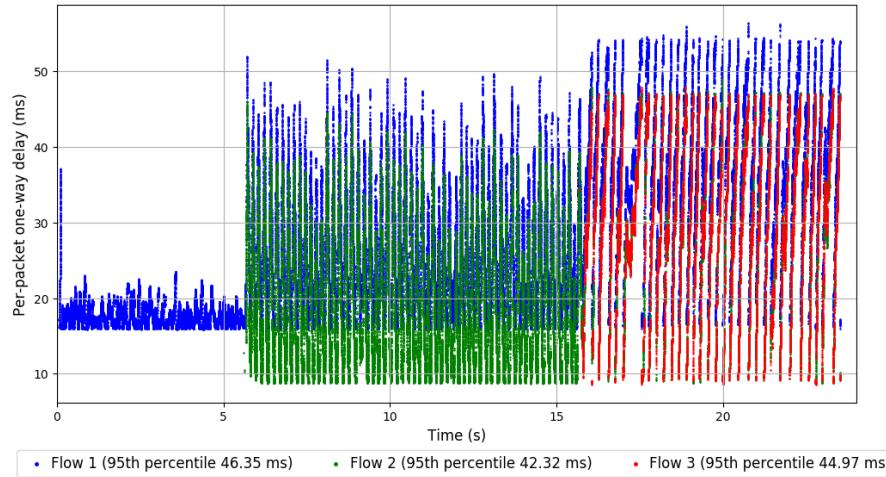
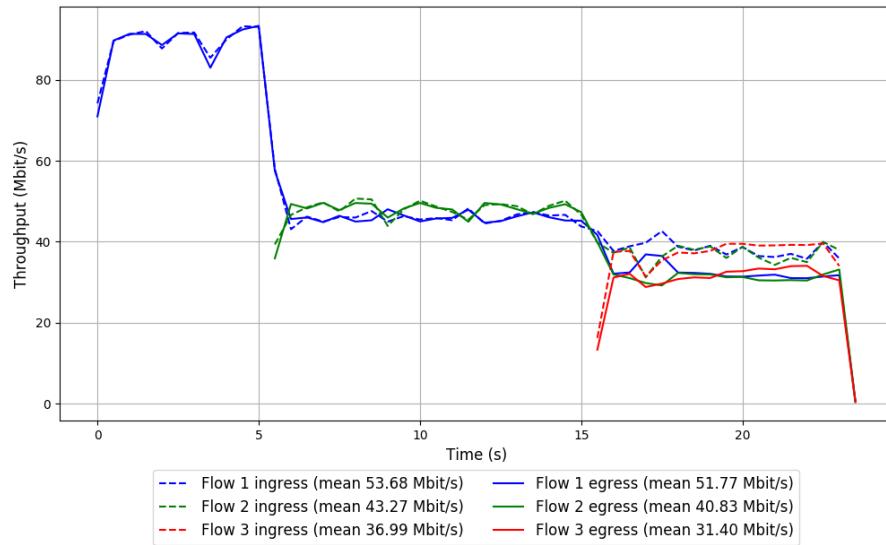
Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-08 02:37:35
End at: 2017-09-08 02:38:05
Local clock offset: -0.138 ms
Remote clock offset: -3.115 ms

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



Run 7: Statistics of TaoVA-100x

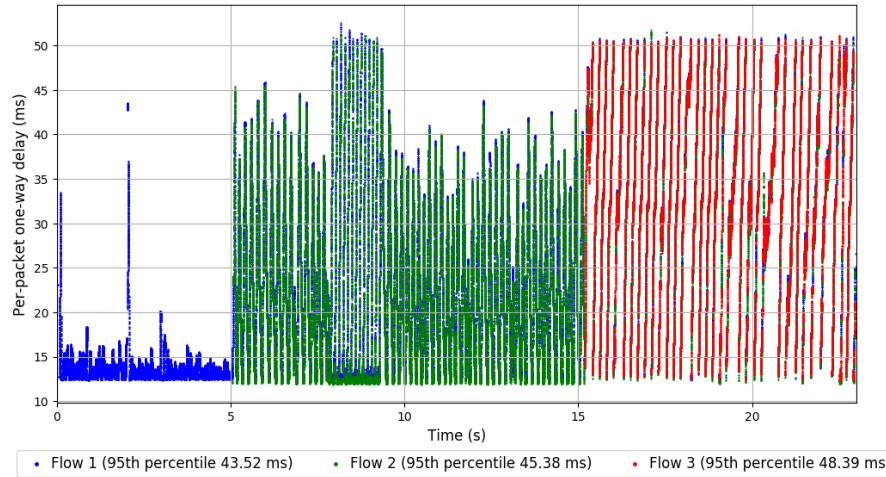
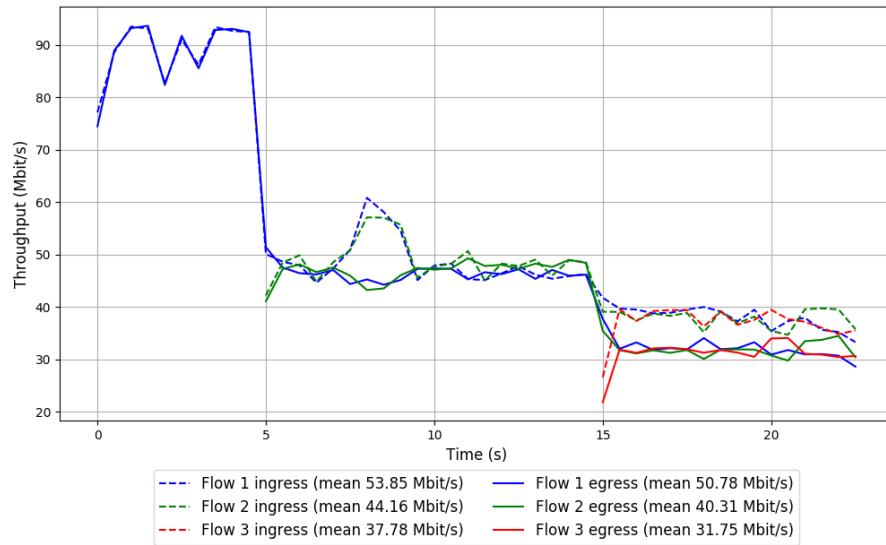
Start at: 2017-09-08 02:56:23

End at: 2017-09-08 02:56:53

Local clock offset: 0.039 ms

Remote clock offset: 0.624 ms

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

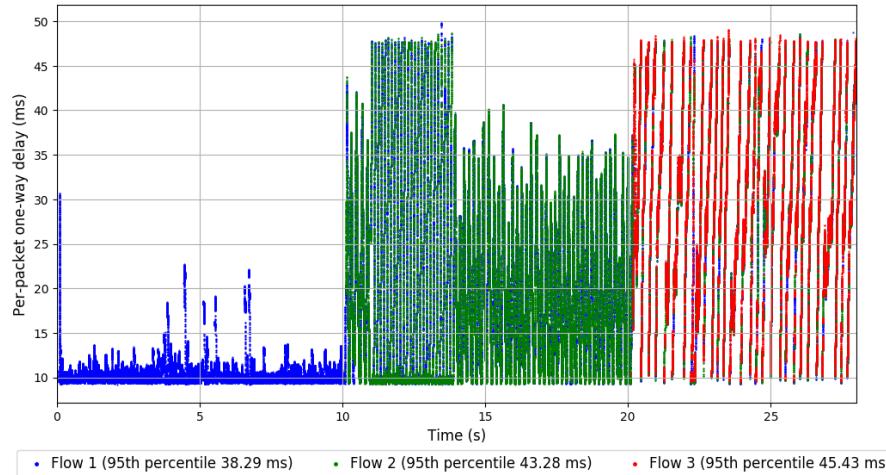
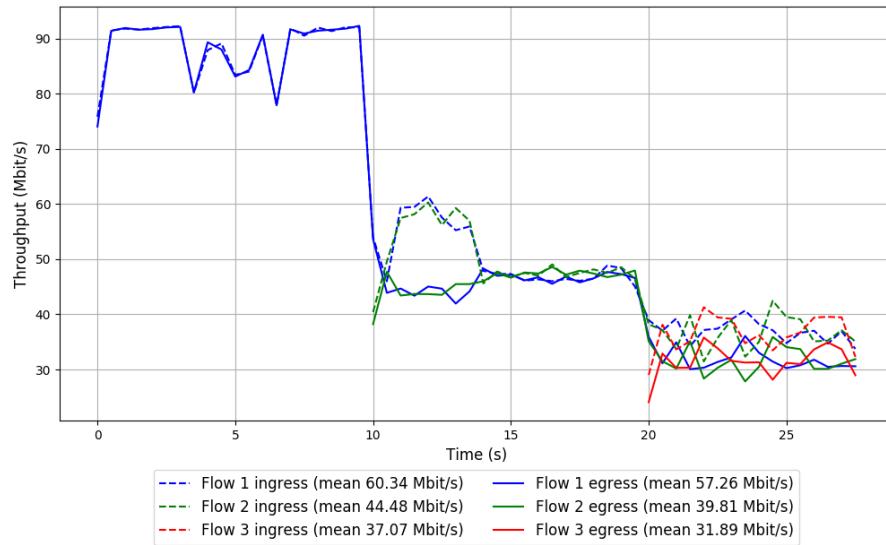


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-08 03:15:12
End at: 2017-09-08 03:15:42
Local clock offset: -2.341 ms
Remote clock offset: -4.224 ms

# Below is generated by plot.py at 2017-09-08 04:55:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 42.035 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 38.293 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 43.284 ms
Loss rate: 10.44%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 45.426 ms
Loss rate: 13.82%
```

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



Run 9: Statistics of TaoVA-100x

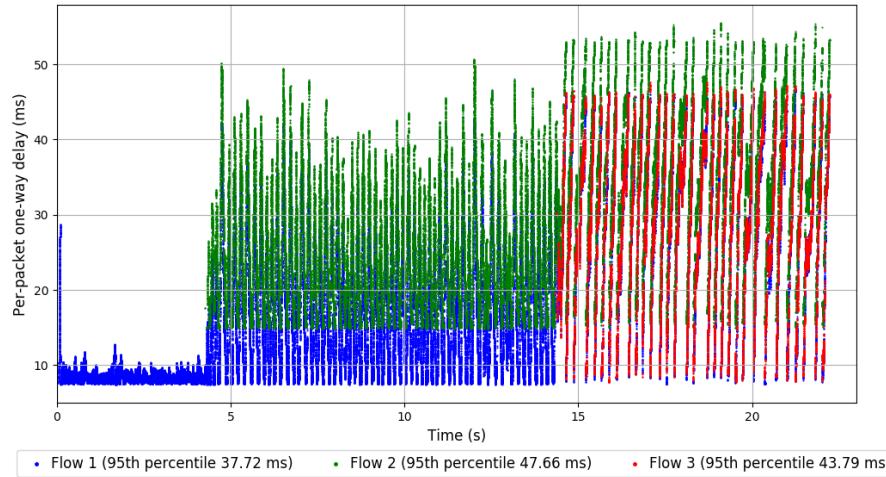
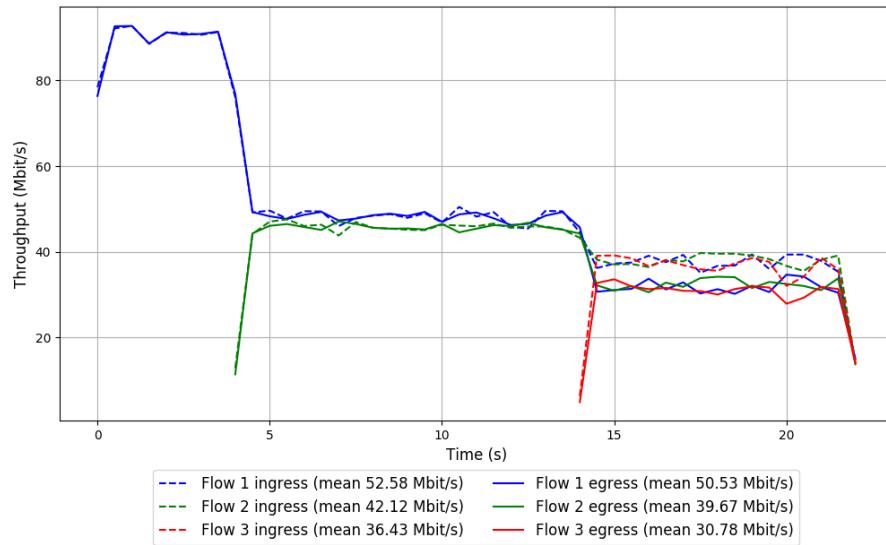
Start at: 2017-09-08 03:34:09

End at: 2017-09-08 03:34:39

Local clock offset: 1.619 ms

Remote clock offset: -2.064 ms

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

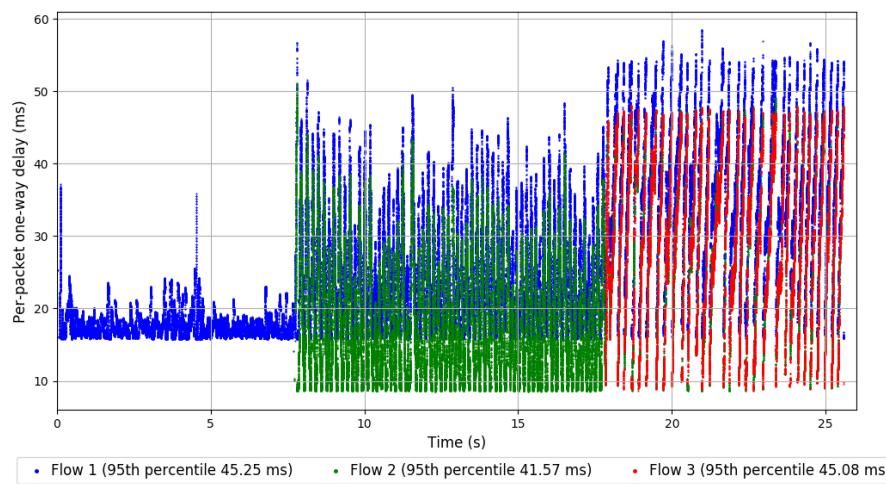
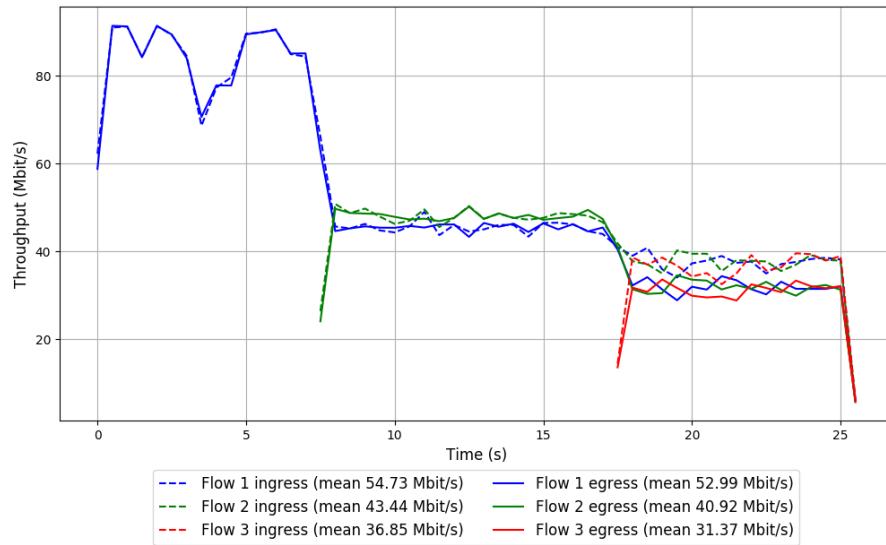


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-08 03:52:57
End at: 2017-09-08 03:53:27
Local clock offset: 0.13 ms
Remote clock offset: -2.672 ms

# Below is generated by plot.py at 2017-09-08 04:56:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 44.139 ms
Loss rate: 5.43%
-- Flow 1:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 45.249 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 41.570 ms
Loss rate: 5.80%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 45.076 ms
Loss rate: 15.00%
```

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

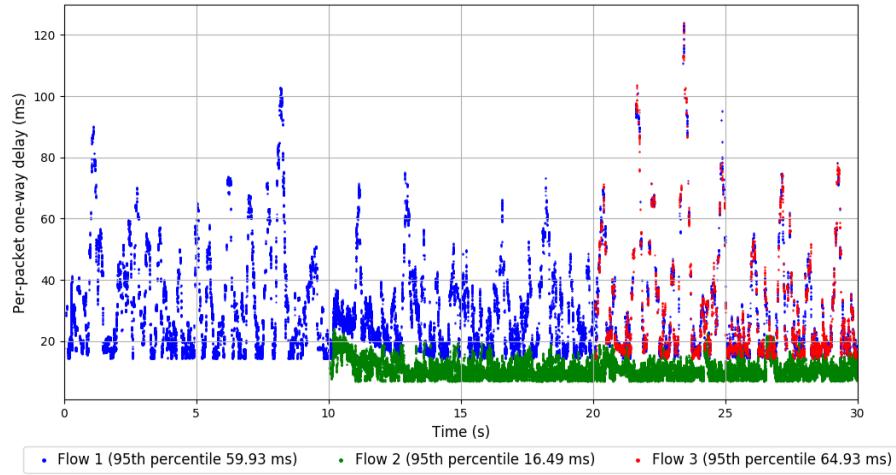
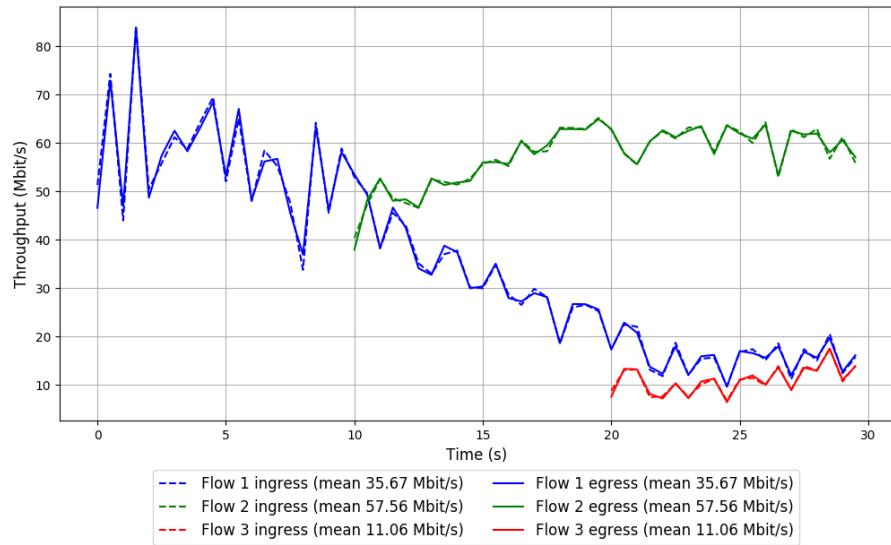


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-08 01:08:46
End at: 2017-09-08 01:09:16
Local clock offset: -1.603 ms
Remote clock offset: -4.827 ms

# Below is generated by plot.py at 2017-09-08 04:56:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 49.751 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 59.929 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 16.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 64.933 ms
Loss rate: 0.24%
```

Run 1: Report of TCP Vegas — Data Link

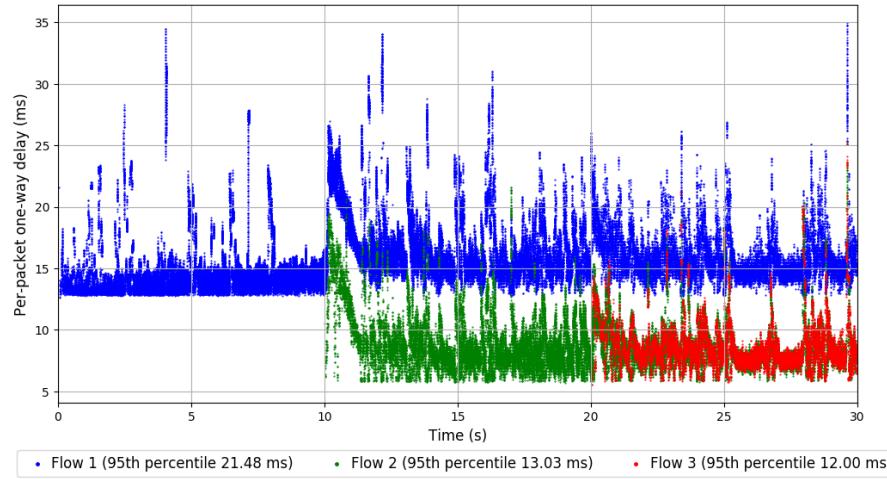
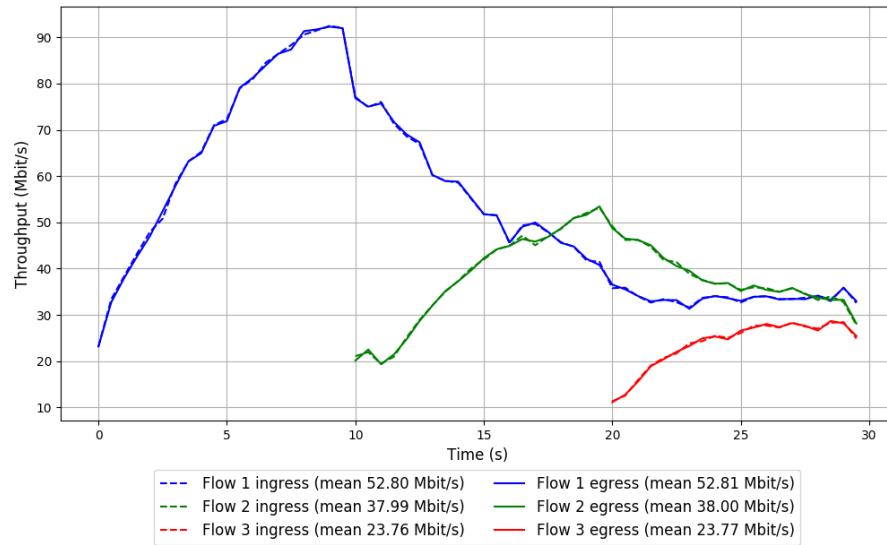


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-08 01:27:07
End at: 2017-09-08 01:27:37
Local clock offset: -0.113 ms
Remote clock offset: -4.866 ms

# Below is generated by plot.py at 2017-09-08 04:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 20.000 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: 21.476 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 13.034 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 11.998 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

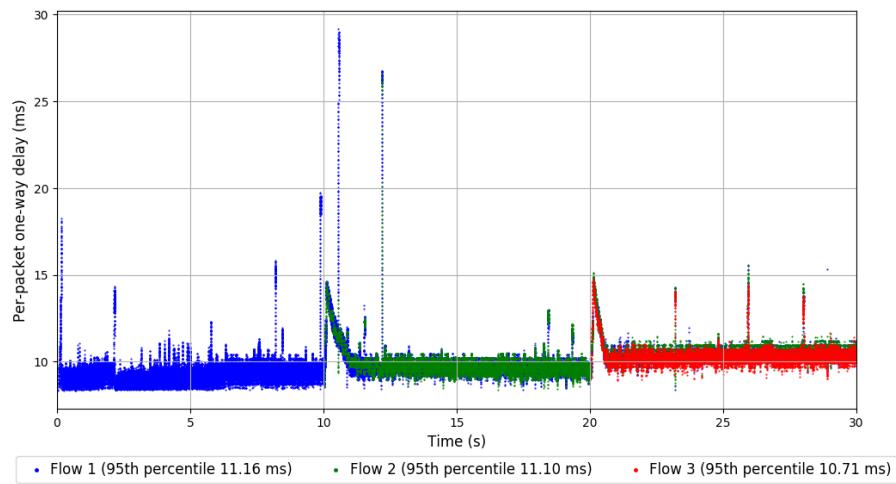
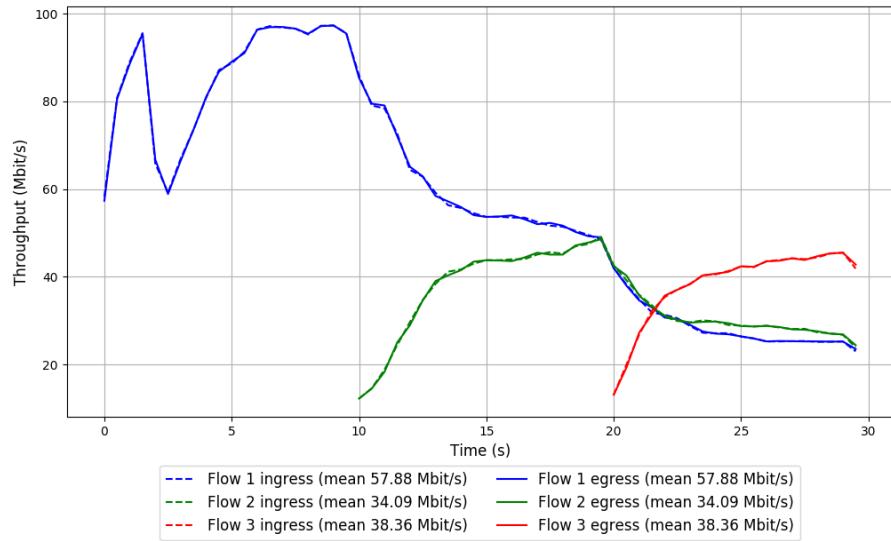


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-08 01:45:29
End at: 2017-09-08 01:45:59
Local clock offset: -0.774 ms
Remote clock offset: -3.149 ms

# Below is generated by plot.py at 2017-09-08 04:56:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 10.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 11.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 11.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 10.713 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

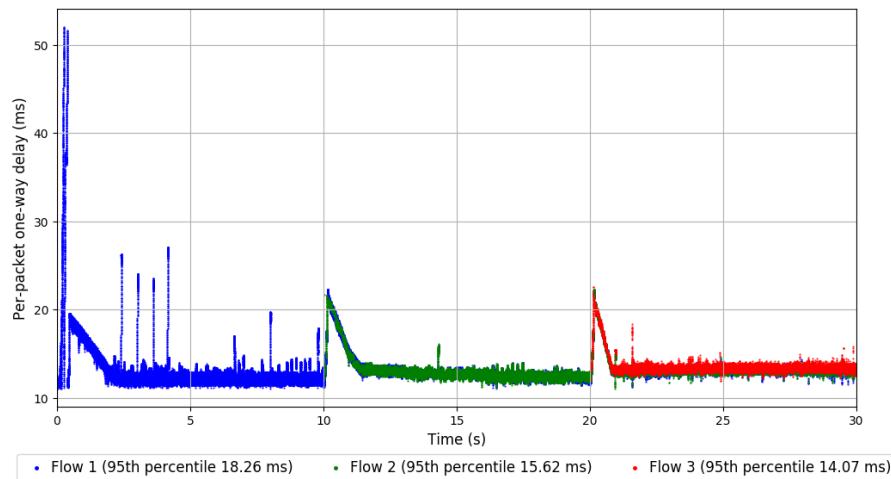
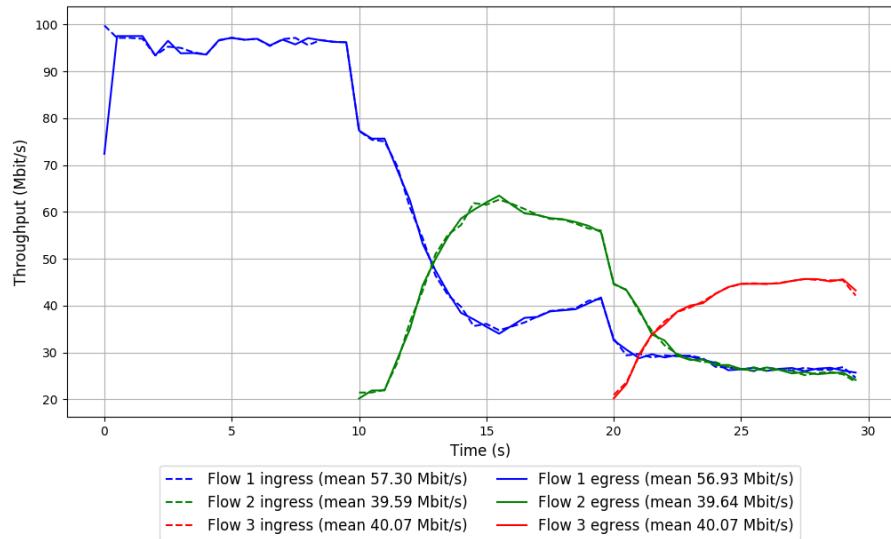


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-08 02:04:12
End at: 2017-09-08 02:04:42
Local clock offset: -2.017 ms
Remote clock offset: -2.05 ms

# Below is generated by plot.py at 2017-09-08 04:56:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 17.585 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 18.260 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 15.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 14.071 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

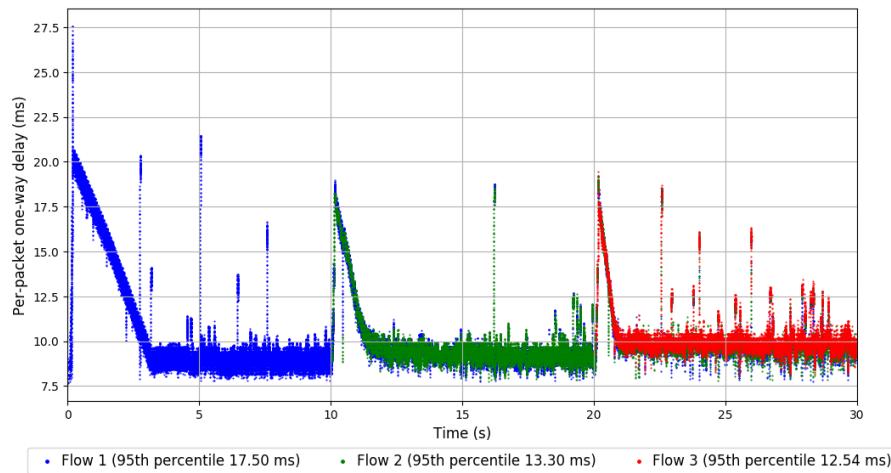
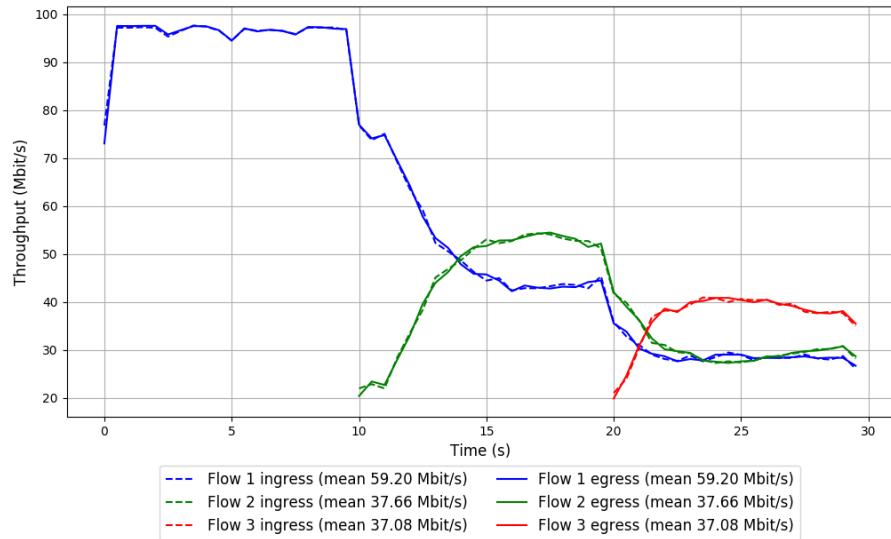


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-08 02:22:49
End at: 2017-09-08 02:23:19
Local clock offset: 0.762 ms
Remote clock offset: -2.972 ms

# Below is generated by plot.py at 2017-09-08 04:56:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 16.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 17.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 13.301 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 12.544 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

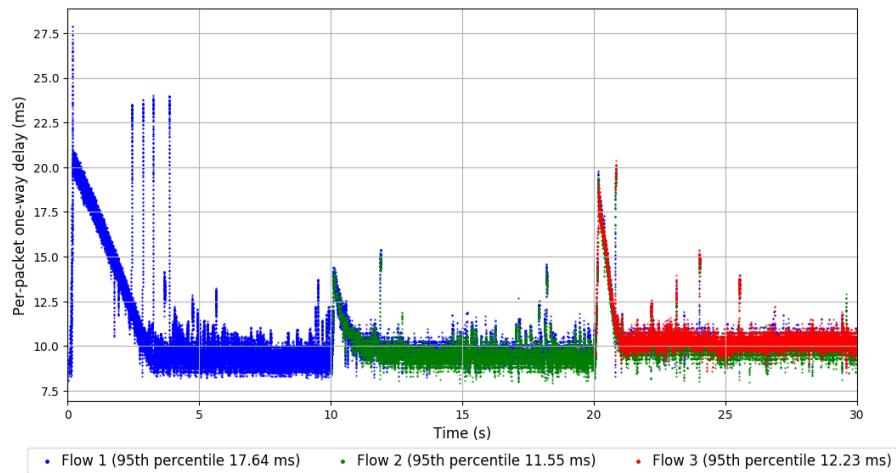
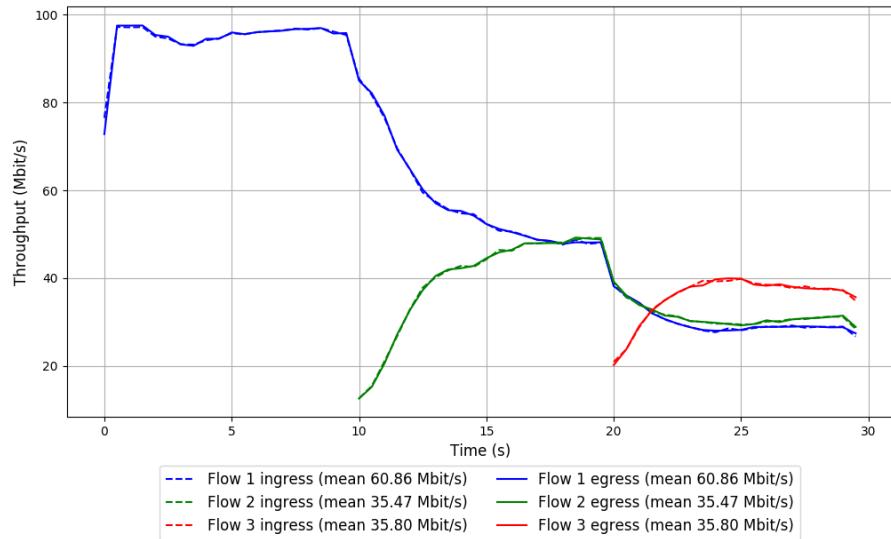


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-08 02:41:39
End at: 2017-09-08 02:42:09
Local clock offset: 0.48 ms
Remote clock offset: -3.033 ms

# Below is generated by plot.py at 2017-09-08 04:56:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 16.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 17.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 11.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 12.229 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

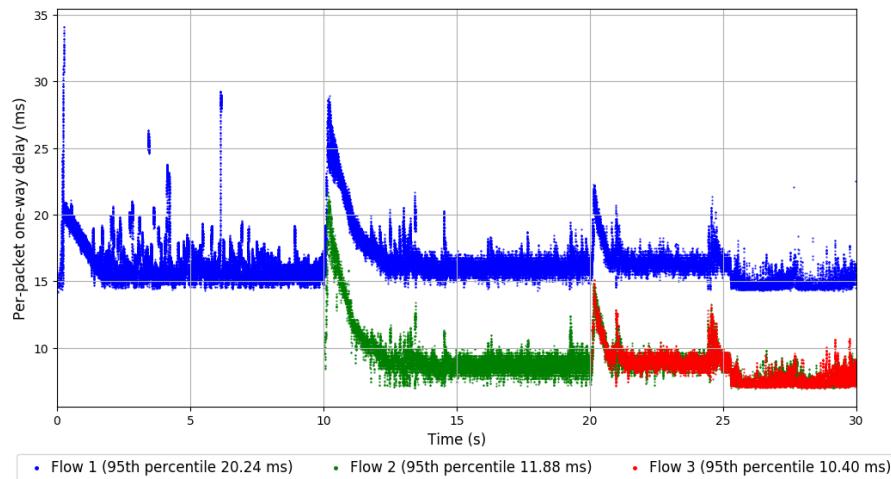
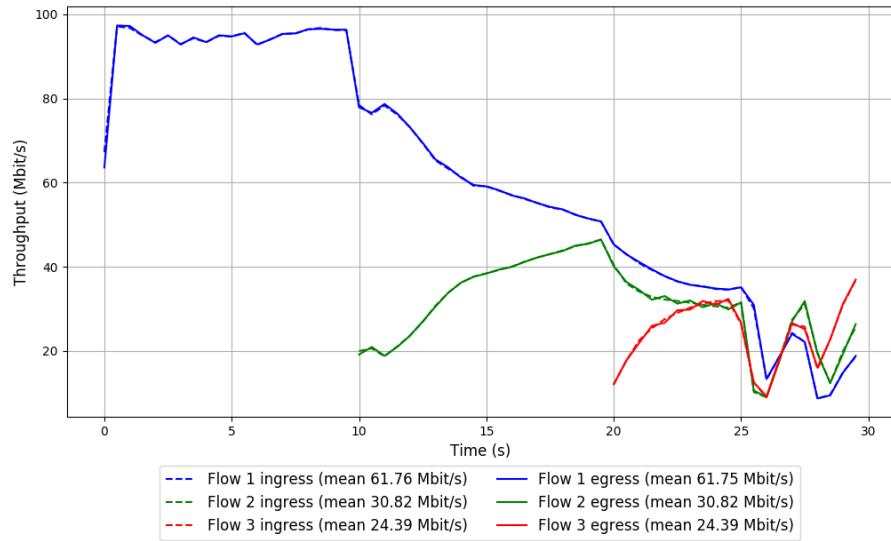


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:00:14
End at: 2017-09-08 03:00:44
Local clock offset: -0.906 ms
Remote clock offset: -5.154 ms

# Below is generated by plot.py at 2017-09-08 04:56:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 19.515 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 20.242 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 11.881 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 10.404 ms
Loss rate: 0.03%
```

Run 7: Report of TCP Vegas — Data Link

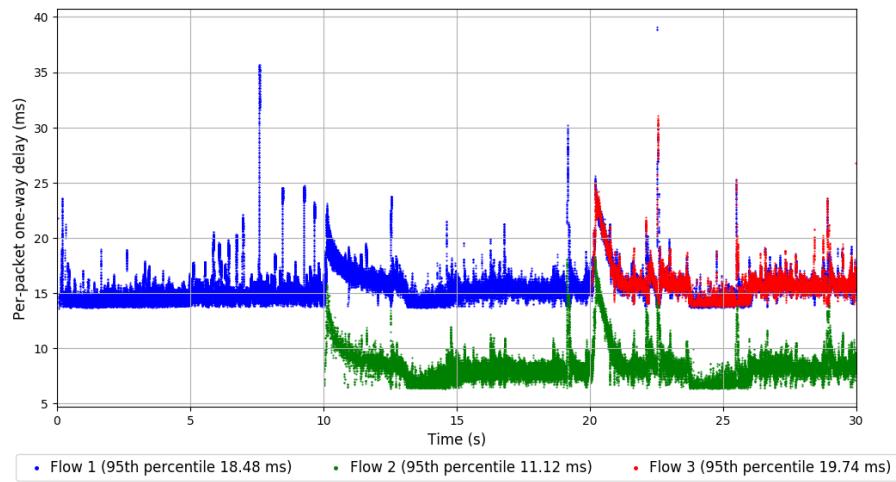
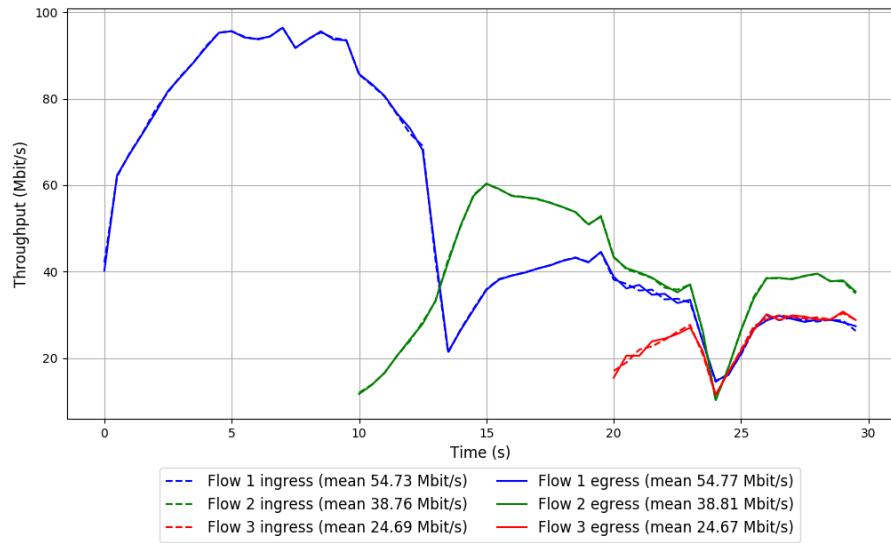


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:19:21
End at: 2017-09-08 03:19:51
Local clock offset: 1.823 ms
Remote clock offset: -2.855 ms

# Below is generated by plot.py at 2017-09-08 04:57:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 17.933 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 18.480 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 11.122 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 19.736 ms
Loss rate: 0.18%
```

Run 8: Report of TCP Vegas — Data Link

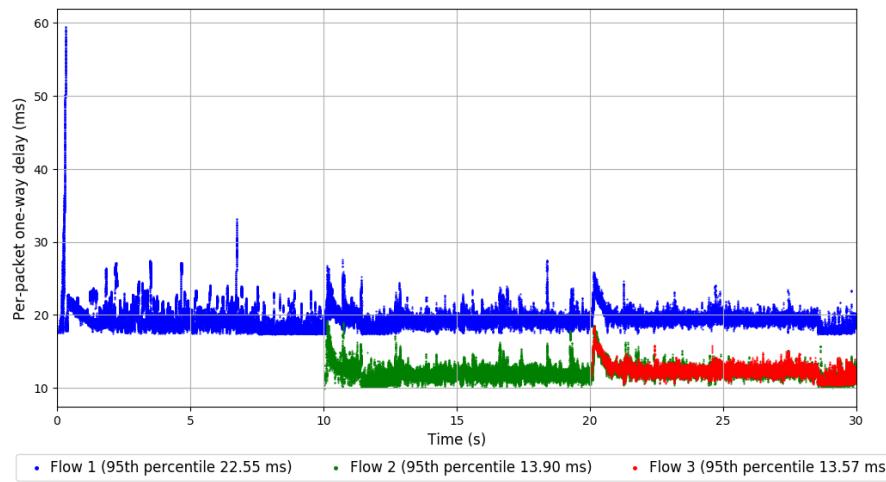
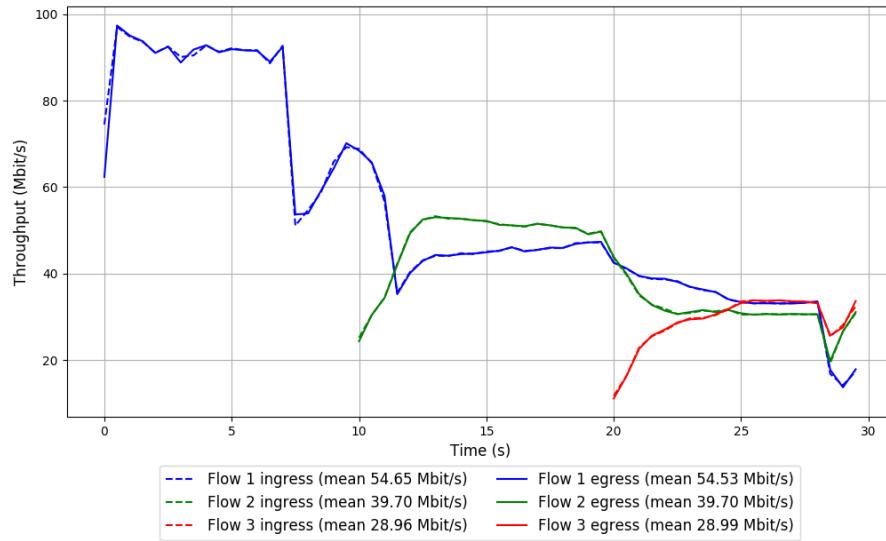


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:38:01
End at: 2017-09-08 03:38:31
Local clock offset: -1.742 ms
Remote clock offset: -2.819 ms

# Below is generated by plot.py at 2017-09-08 04:57:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 22.548 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 13.899 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 13.572 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

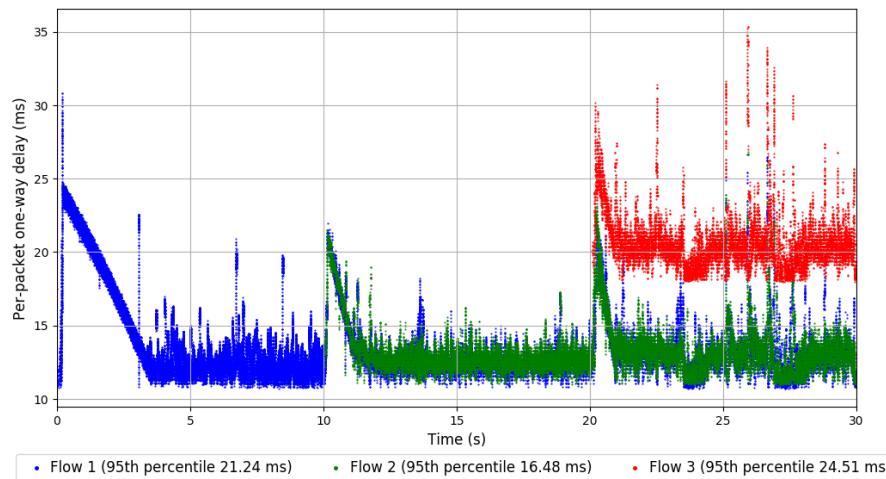
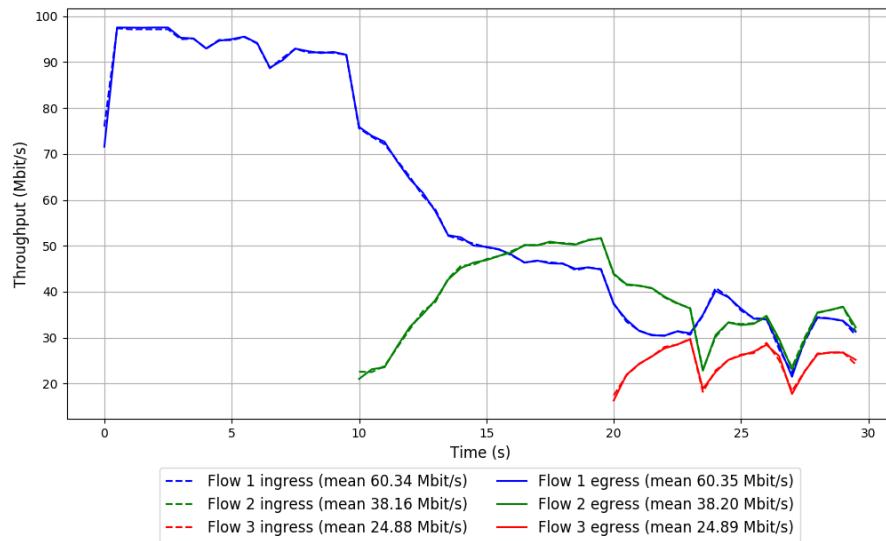


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-08 03:57:01
End at: 2017-09-08 03:57:31
Local clock offset: -2.2 ms
Remote clock offset: -2.712 ms

# Below is generated by plot.py at 2017-09-08 04:57:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 21.334 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 21.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 16.479 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 24.507 ms
Loss rate: 0.05%
```

Run 10: Report of TCP Vegas — Data Link

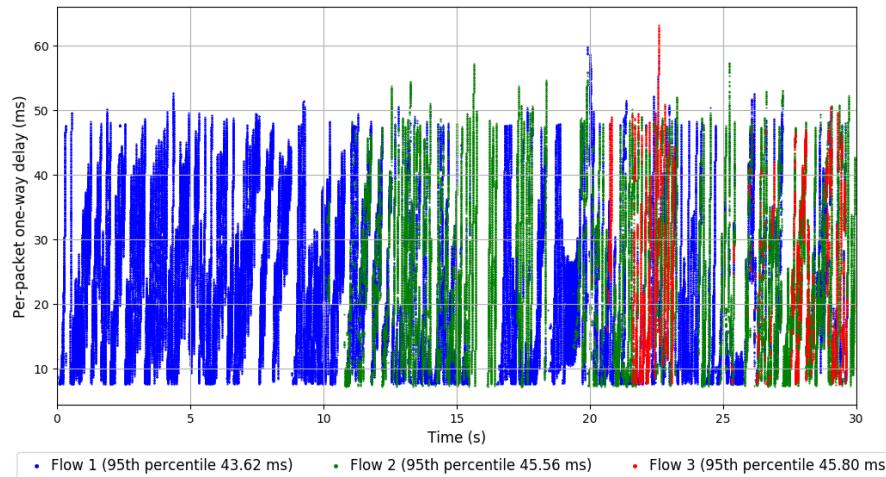
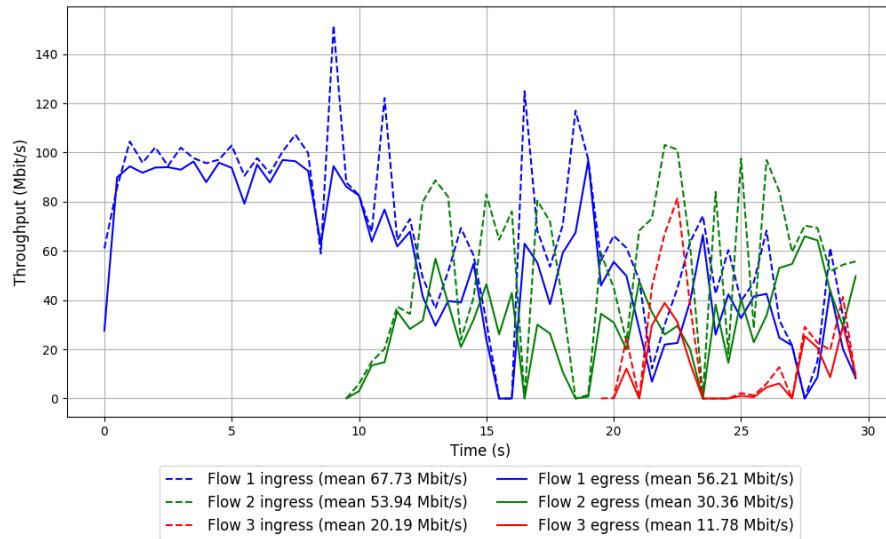


Run 1: Statistics of Verus

```
Start at: 2017-09-08 01:01:28
End at: 2017-09-08 01:01:58
Local clock offset: -1.379 ms
Remote clock offset: -4.007 ms

# Below is generated by plot.py at 2017-09-08 04:57:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 44.301 ms
Loss rate: 27.19%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 43.616 ms
Loss rate: 16.98%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 45.560 ms
Loss rate: 43.66%
-- Flow 3:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 45.796 ms
Loss rate: 41.85%
```

Run 1: Report of Verus — Data Link

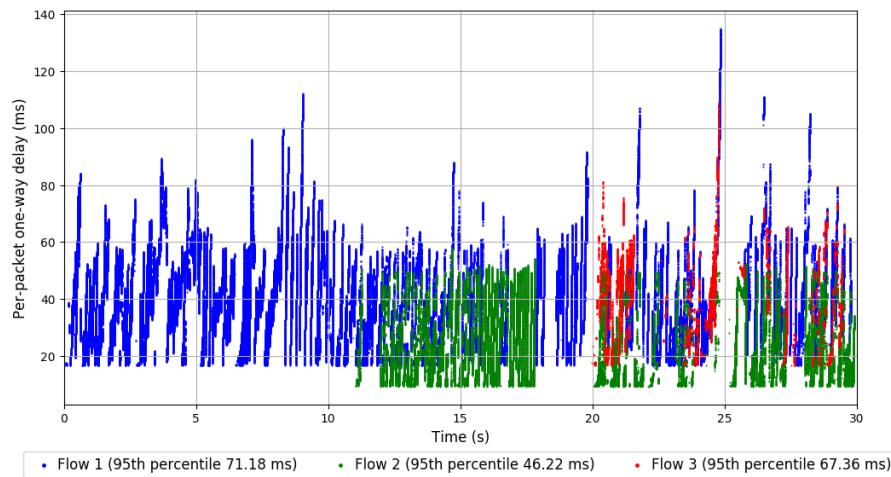
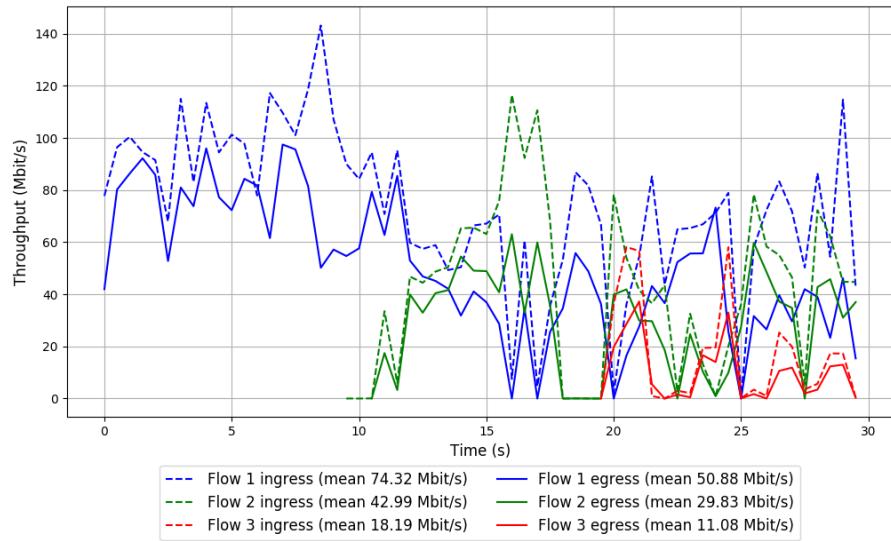


Run 2: Statistics of Verus

```
Start at: 2017-09-08 01:19:32
End at: 2017-09-08 01:20:02
Local clock offset: -2.612 ms
Remote clock offset: -3.46 ms

# Below is generated by plot.py at 2017-09-08 04:57:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.14 Mbit/s
95th percentile per-packet one-way delay: 66.841 ms
Loss rate: 32.58%
-- Flow 1:
Average throughput: 50.88 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 31.49%
-- Flow 2:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 46.217 ms
Loss rate: 34.05%
-- Flow 3:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 67.359 ms
Loss rate: 39.13%
```

Run 2: Report of Verus — Data Link

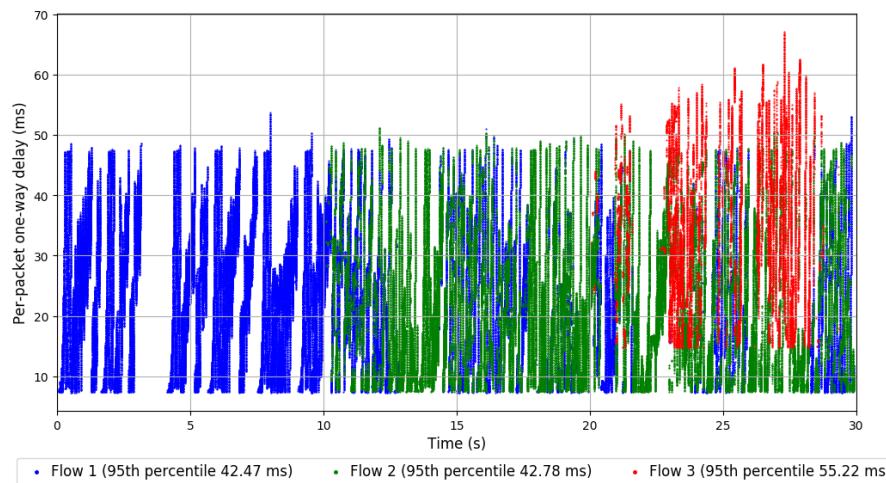
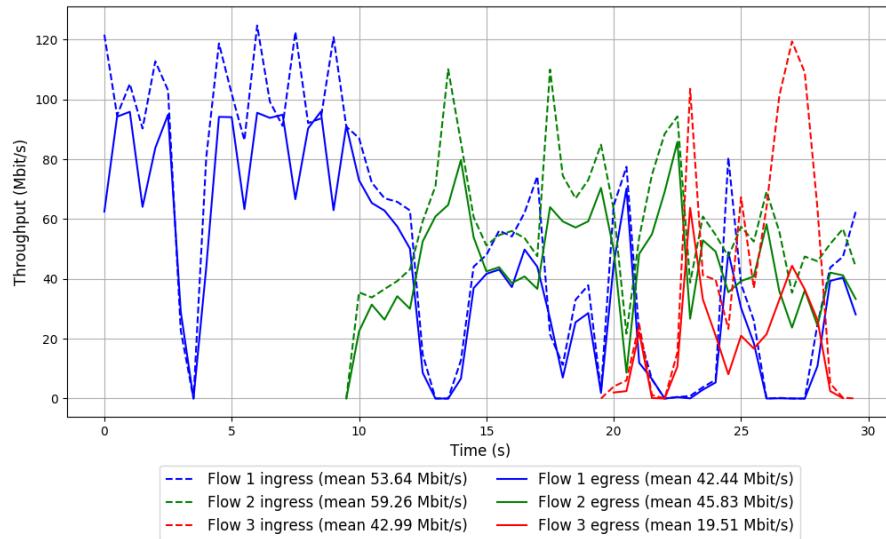


Run 3: Statistics of Verus

```
Start at: 2017-09-08 01:38:02
End at: 2017-09-08 01:38:32
Local clock offset: 0.641 ms
Remote clock offset: -2.385 ms

# Below is generated by plot.py at 2017-09-08 04:57:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 44.332 ms
Loss rate: 26.06%
-- Flow 1:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 42.471 ms
Loss rate: 20.86%
-- Flow 2:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 42.781 ms
Loss rate: 22.74%
-- Flow 3:
Average throughput: 19.51 Mbit/s
95th percentile per-packet one-way delay: 55.217 ms
Loss rate: 55.74%
```

Run 3: Report of Verus — Data Link

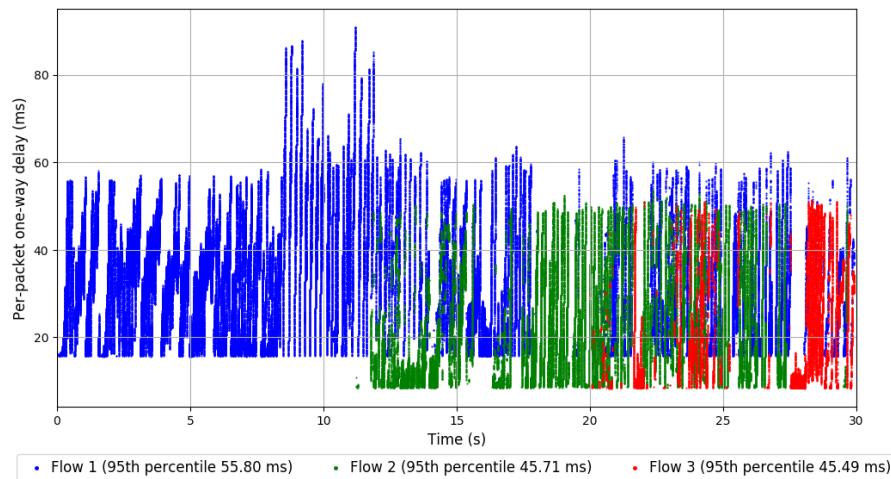
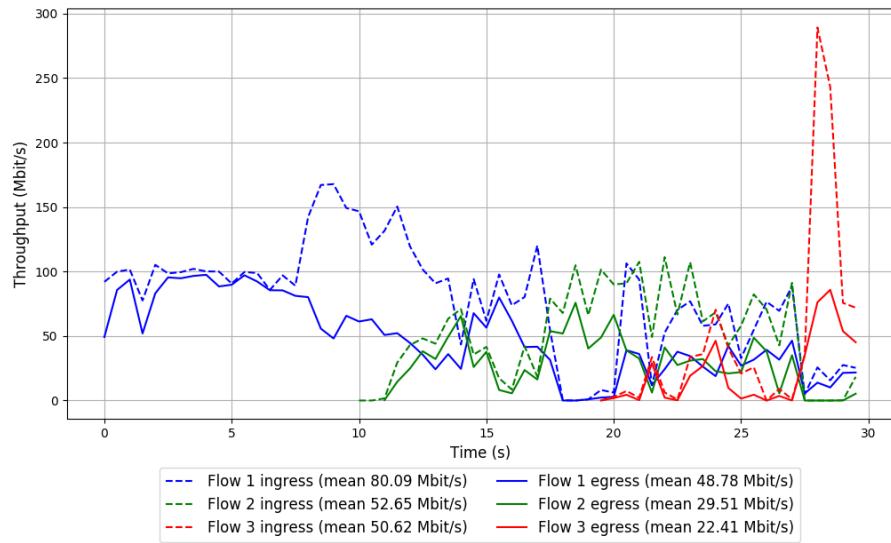


Run 4: Statistics of Verus

```
Start at: 2017-09-08 01:56:38
End at: 2017-09-08 01:57:08
Local clock offset: 0.618 ms
Remote clock offset: -1.796 ms

# Below is generated by plot.py at 2017-09-08 04:57:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.43 Mbit/s
95th percentile per-packet one-way delay: 53.397 ms
Loss rate: 43.20%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 55.802 ms
Loss rate: 39.07%
-- Flow 2:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 45.713 ms
Loss rate: 46.74%
-- Flow 3:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 45.489 ms
Loss rate: 55.67%
```

Run 4: Report of Verus — Data Link

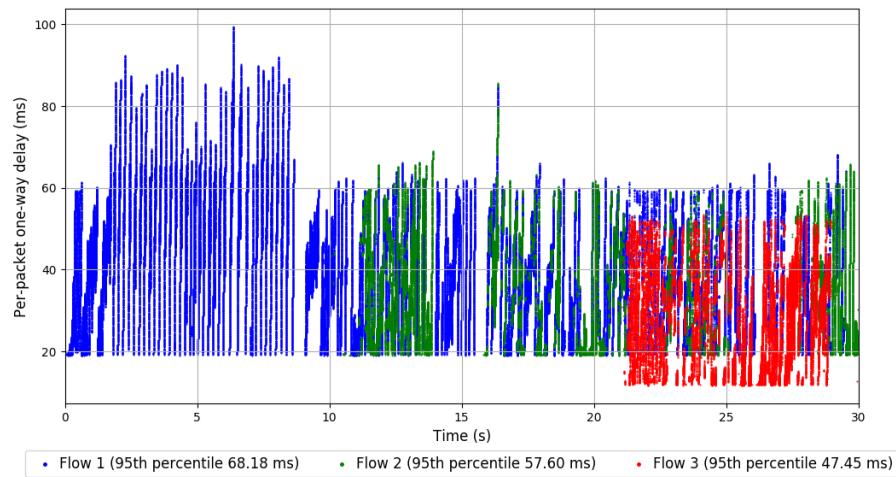
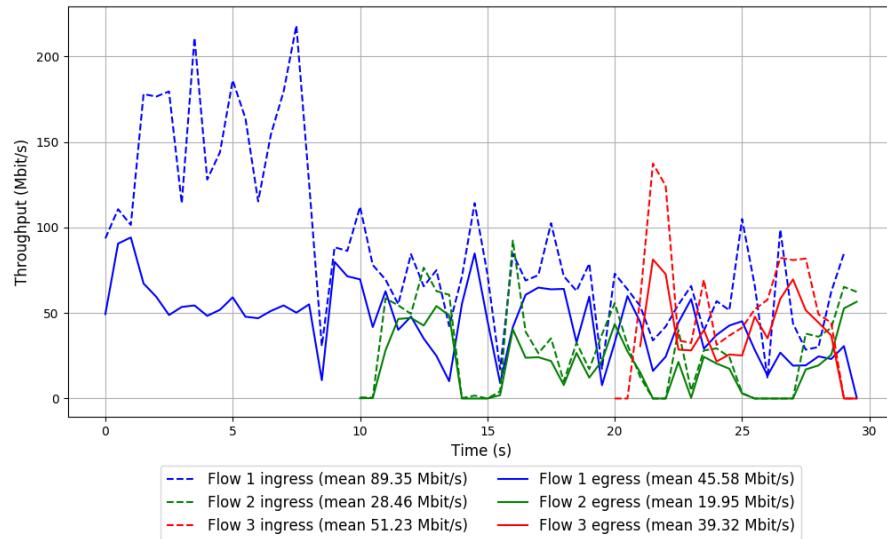


Run 5: Statistics of Verus

```
Start at: 2017-09-08 02:15:11
End at: 2017-09-08 02:15:42
Local clock offset: -3.234 ms
Remote clock offset: -2.822 ms

# Below is generated by plot.py at 2017-09-08 04:57:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 62.961 ms
Loss rate: 43.63%
-- Flow 1:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 68.184 ms
Loss rate: 48.97%
-- Flow 2:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 57.596 ms
Loss rate: 29.96%
-- Flow 3:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 31.18%
```

Run 5: Report of Verus — Data Link

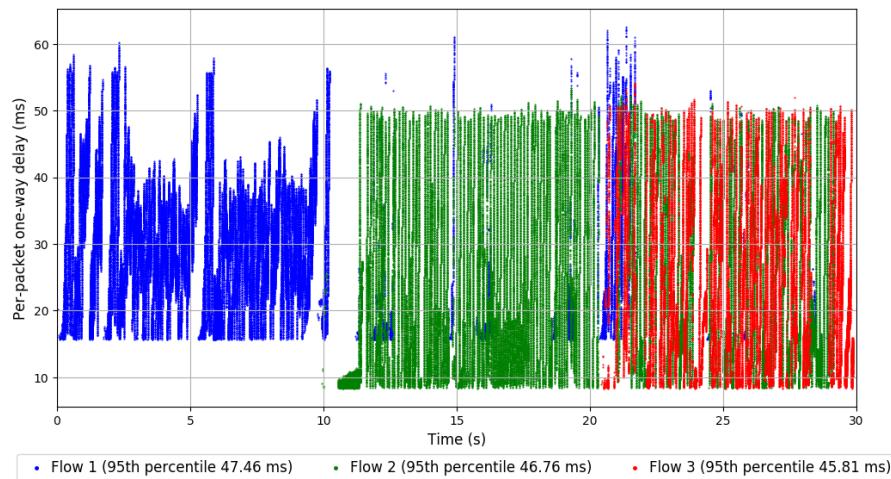
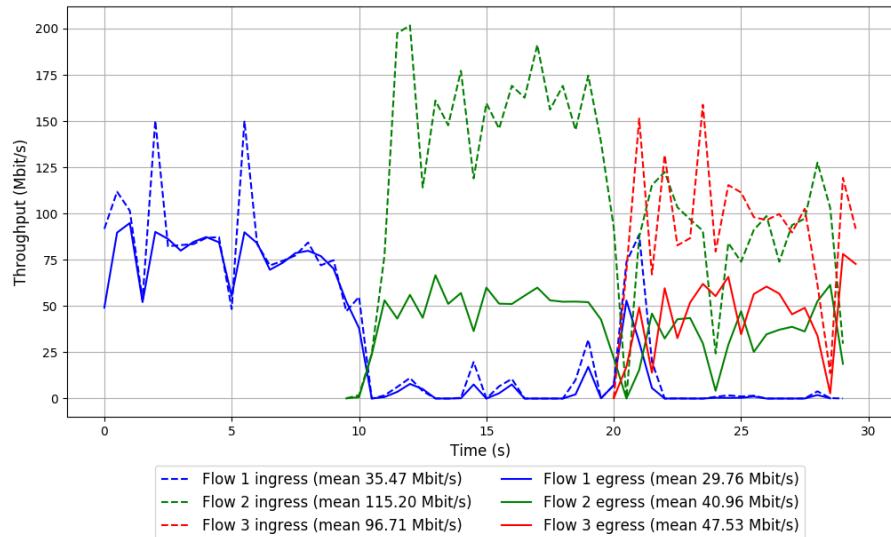


Run 6: Statistics of Verus

```
Start at: 2017-09-08 02:33:52
End at: 2017-09-08 02:34:22
Local clock offset: -0.351 ms
Remote clock offset: -3.49 ms

# Below is generated by plot.py at 2017-09-08 04:57:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.34 Mbit/s
95th percentile per-packet one-way delay: 46.752 ms
Loss rate: 49.62%
-- Flow 1:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 47.463 ms
Loss rate: 16.86%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 46.762 ms
Loss rate: 64.41%
-- Flow 3:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 45.806 ms
Loss rate: 50.82%
```

Run 6: Report of Verus — Data Link

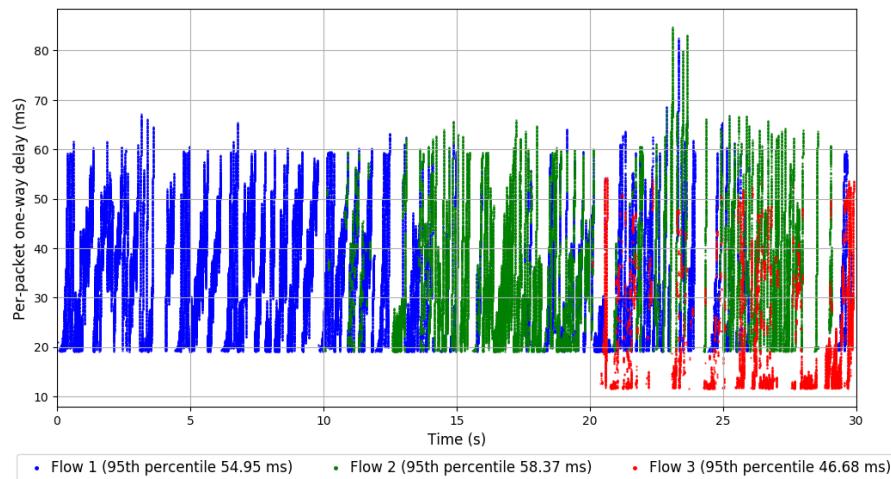
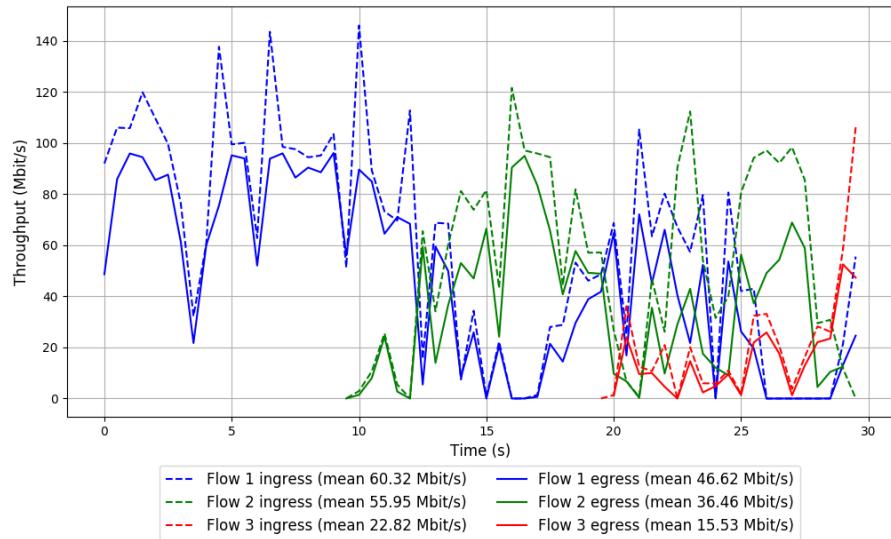


Run 7: Statistics of Verus

```
Start at: 2017-09-08 02:52:39
End at: 2017-09-08 02:53:09
Local clock offset: -0.048 ms
Remote clock offset: 0.353 ms

# Below is generated by plot.py at 2017-09-08 04:57:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 55.824 ms
Loss rate: 28.16%
-- Flow 1:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 54.949 ms
Loss rate: 22.66%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 58.372 ms
Loss rate: 36.37%
-- Flow 3:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 46.681 ms
Loss rate: 32.01%
```

Run 7: Report of Verus — Data Link

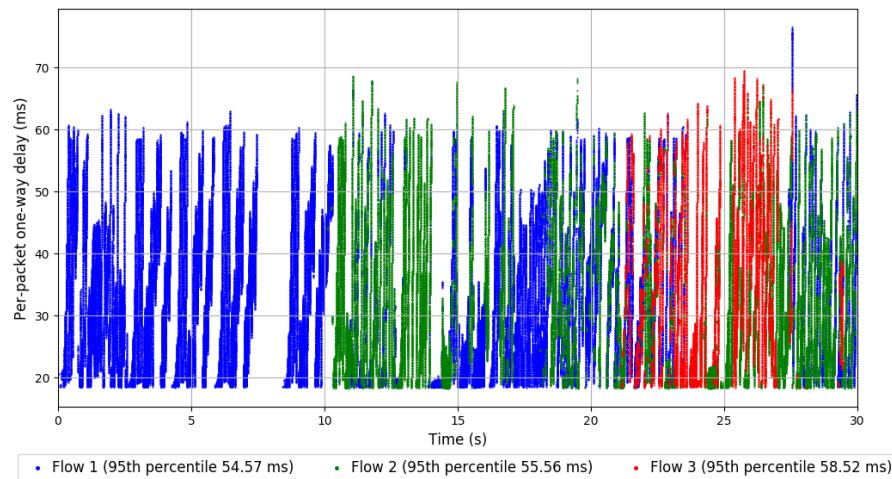
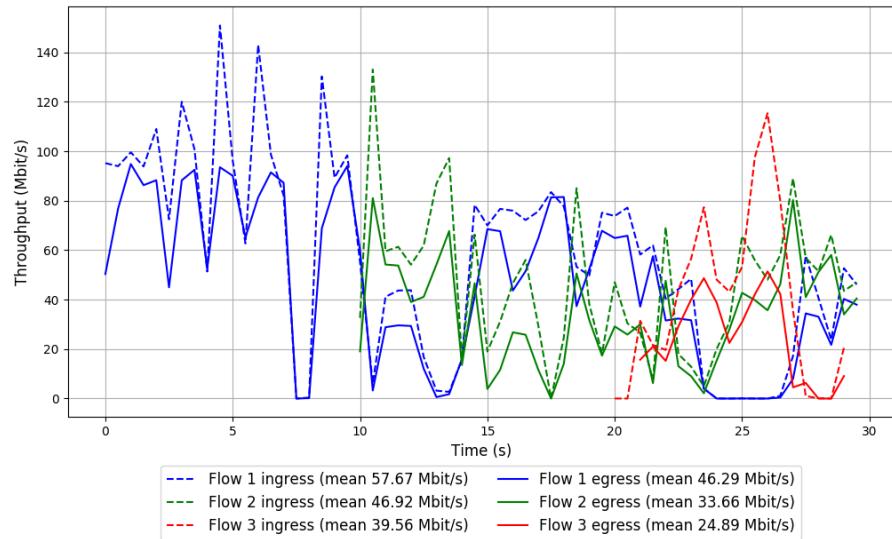


Run 8: Statistics of Verus

```
Start at: 2017-09-08 03:11:20
End at: 2017-09-08 03:11:50
Local clock offset: 0.349 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2017-09-08 04:58:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 55.337 ms
Loss rate: 25.31%
-- Flow 1:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 54.568 ms
Loss rate: 19.70%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 55.562 ms
Loss rate: 28.24%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 58.521 ms
Loss rate: 43.94%
```

Run 8: Report of Verus — Data Link

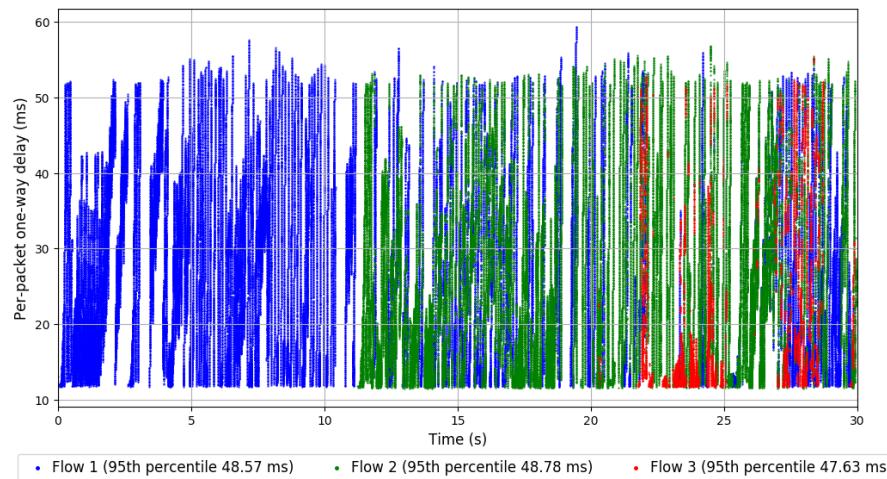
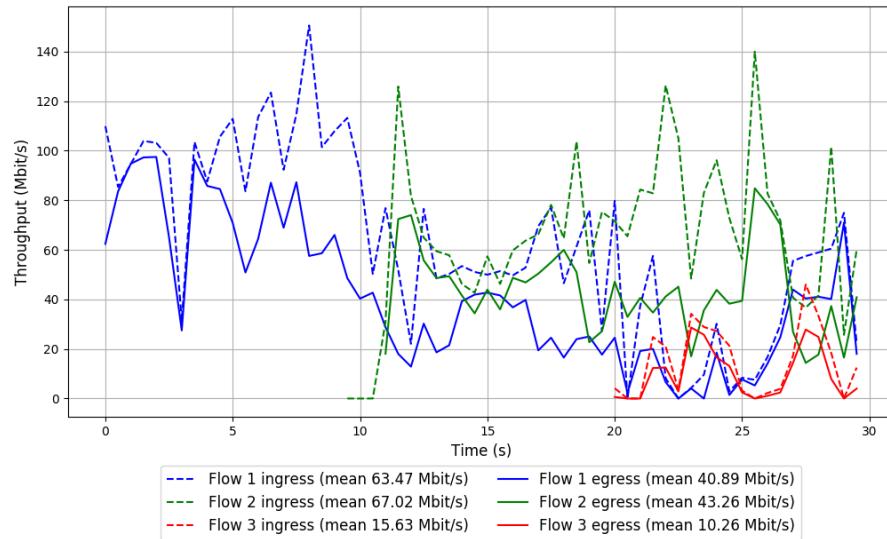


Run 9: Statistics of Verus

```
Start at: 2017-09-08 03:30:32
End at: 2017-09-08 03:31:02
Local clock offset: -2.053 ms
Remote clock offset: -1.667 ms

# Below is generated by plot.py at 2017-09-08 04:58:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 48.621 ms
Loss rate: 36.79%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 48.574 ms
Loss rate: 35.63%
-- Flow 2:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 48.776 ms
Loss rate: 38.68%
-- Flow 3:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 47.635 ms
Loss rate: 34.57%
```

Run 9: Report of Verus — Data Link

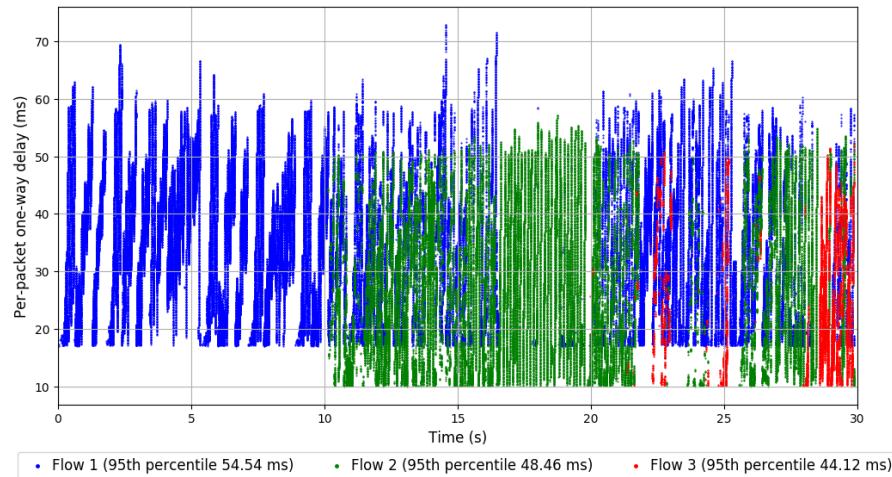
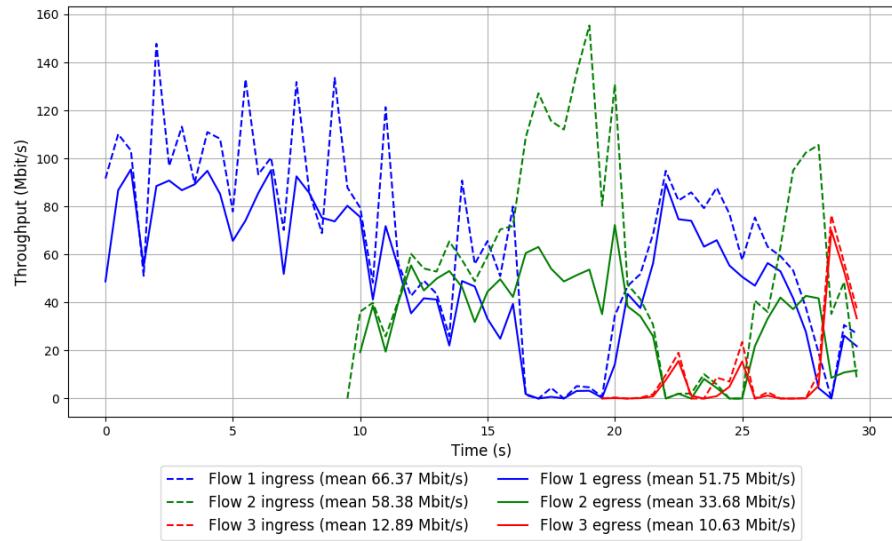


Run 10: Statistics of Verus

```
Start at: 2017-09-08 03:49:15
End at: 2017-09-08 03:49:45
Local clock offset: 0.192 ms
Remote clock offset: -1.227 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 52.863 ms
Loss rate: 29.09%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 54.543 ms
Loss rate: 22.03%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 48.459 ms
Loss rate: 42.40%
-- Flow 3:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 44.121 ms
Loss rate: 17.52%
```

Run 10: Report of Verus — Data Link

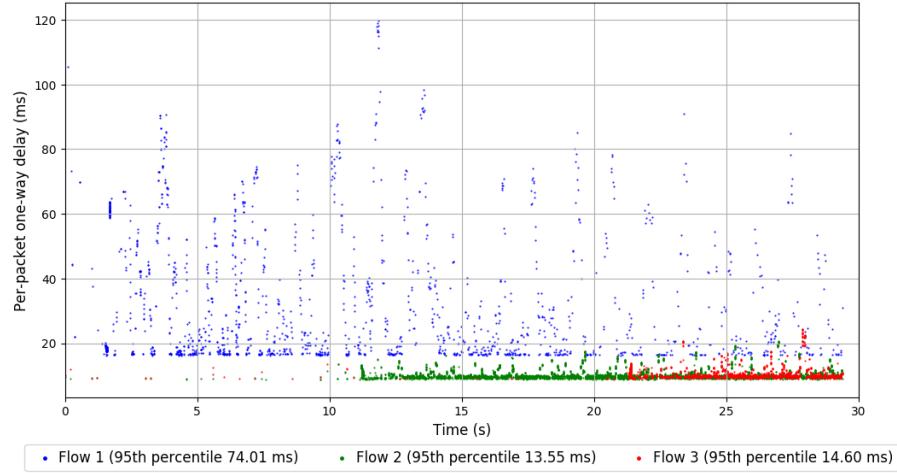
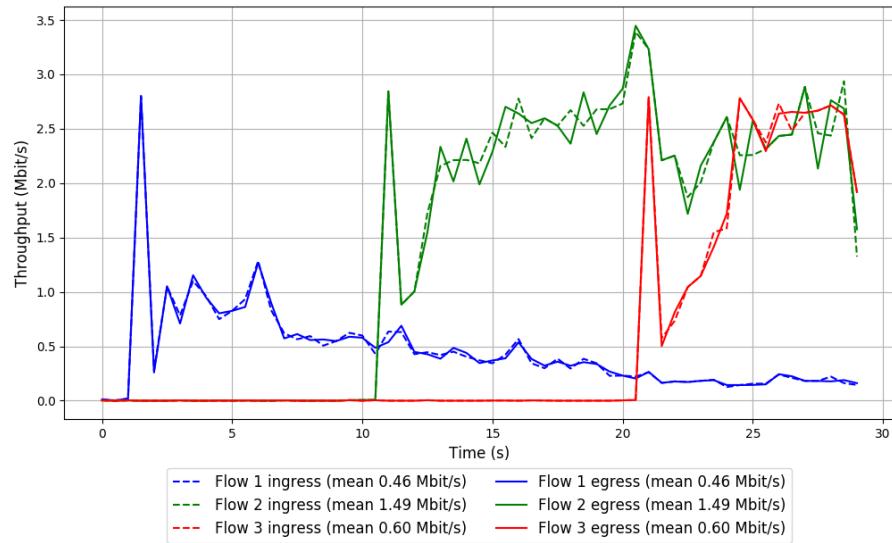


Run 1: Statistics of WebRTC media

```
Start at: 2017-09-08 01:00:22
End at: 2017-09-08 01:00:52
Local clock offset: -3.431 ms
Remote clock offset: -4.303 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 44.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 74.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 13.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 14.600 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

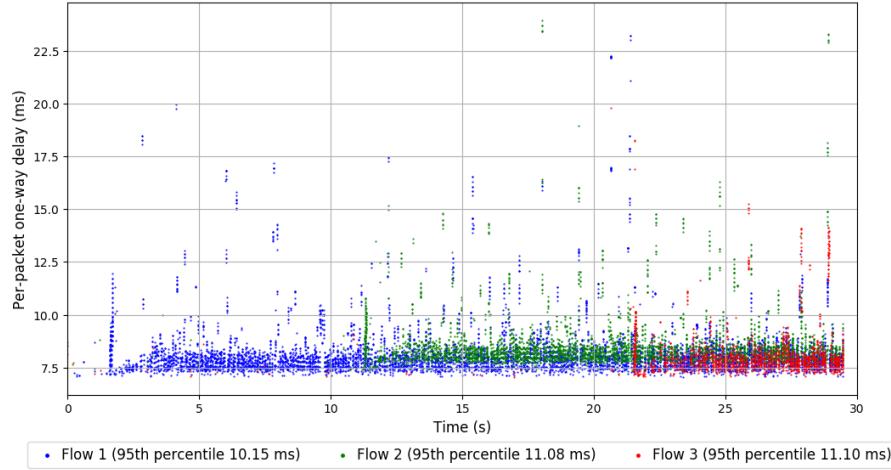
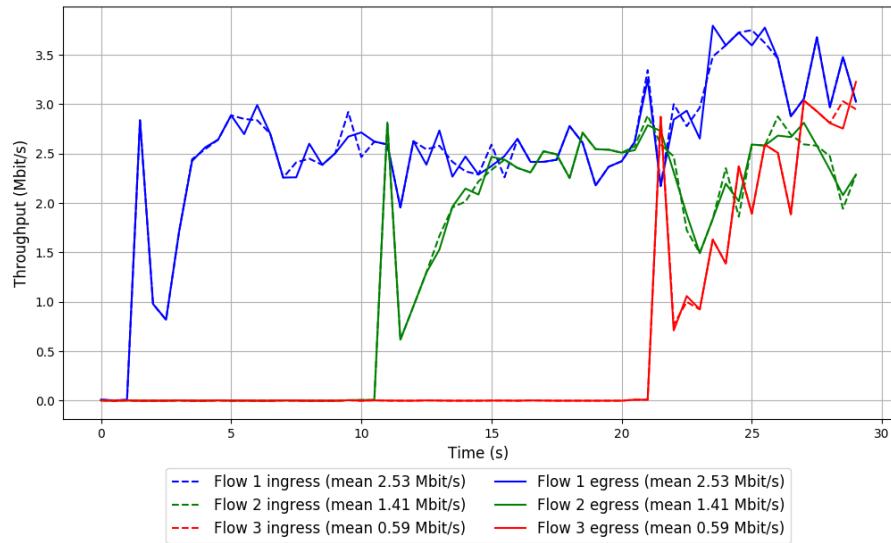


Run 2: Statistics of WebRTC media

```
Start at: 2017-09-08 01:18:26
End at: 2017-09-08 01:18:56
Local clock offset: -0.706 ms
Remote clock offset: -3.563 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 10.495 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 11.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 11.103 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

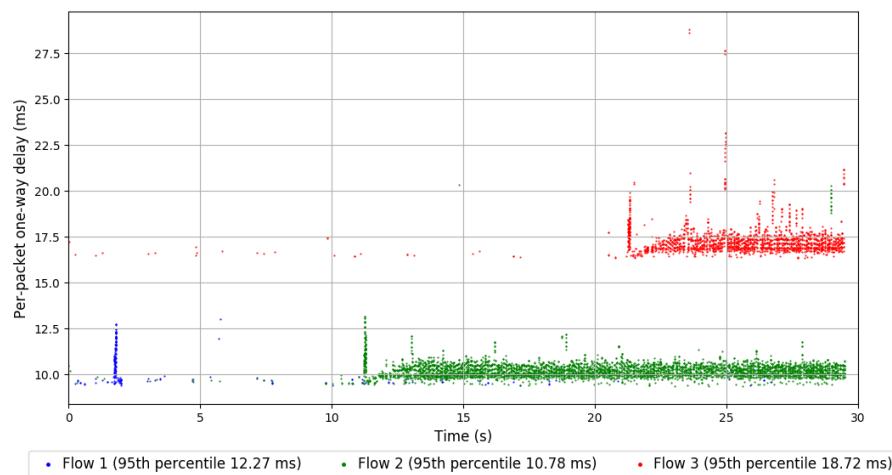
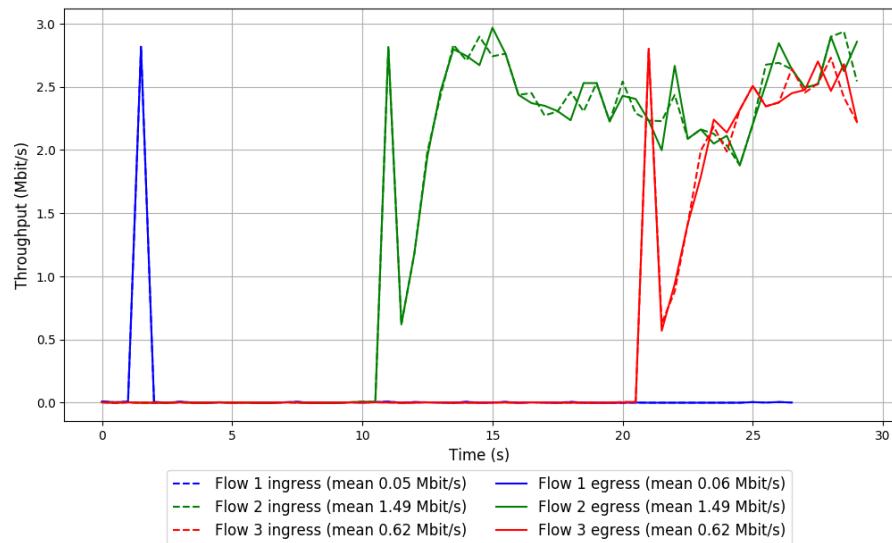


Run 3: Statistics of WebRTC media

```
Start at: 2017-09-08 01:36:57
End at: 2017-09-08 01:37:27
Local clock offset: -2.057 ms
Remote clock offset: -3.086 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 17.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 10.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 18.721 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

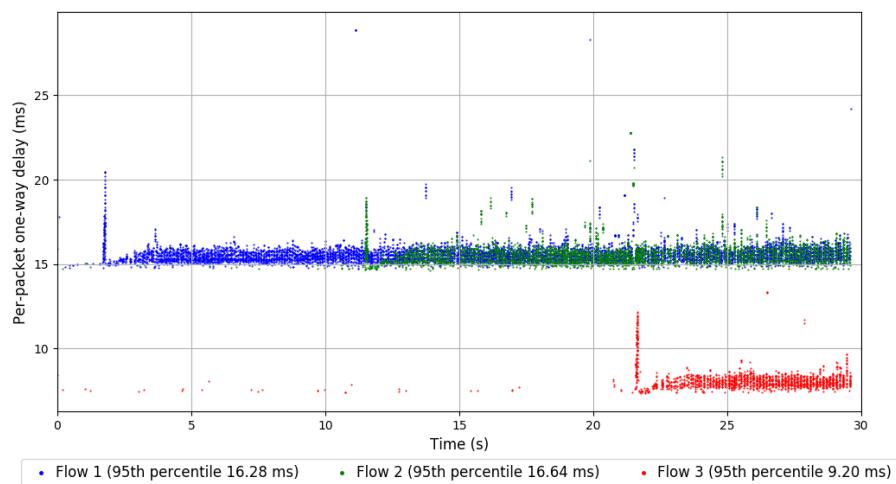
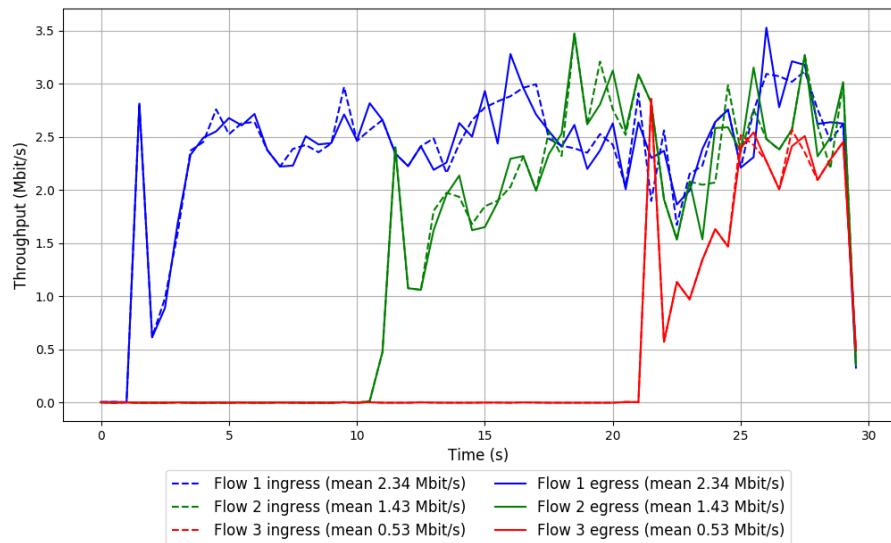


Run 4: Statistics of WebRTC media

```
Start at: 2017-09-08 01:55:32
End at: 2017-09-08 01:56:02
Local clock offset: 0.821 ms
Remote clock offset: -2.262 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 16.321 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 16.277 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 16.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 9.204 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

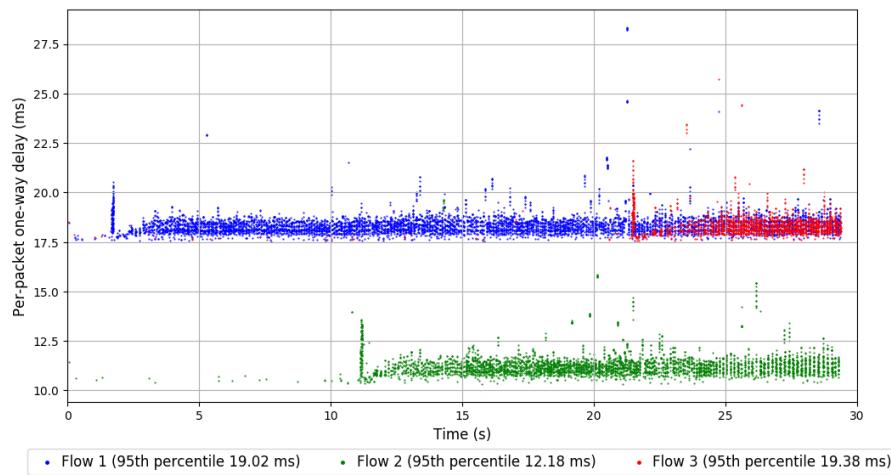
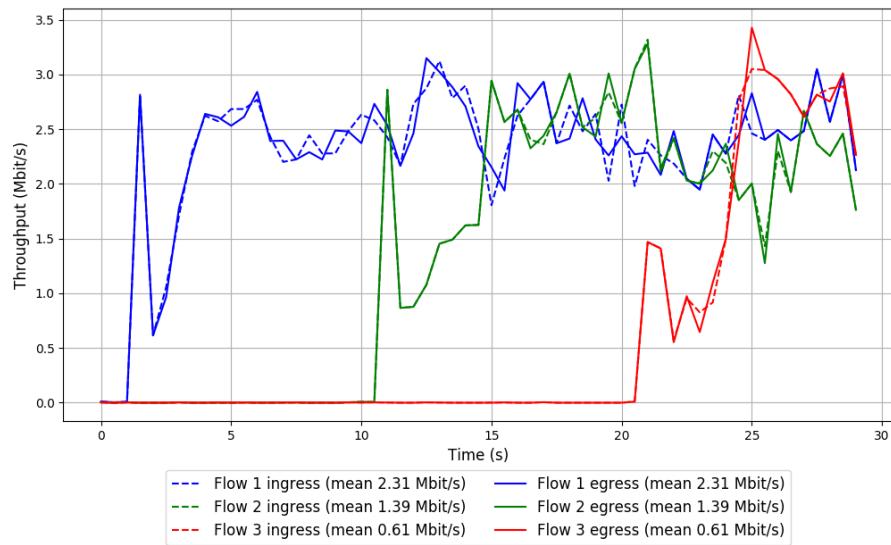


Run 5: Statistics of WebRTC media

```
Start at: 2017-09-08 02:14:06
End at: 2017-09-08 02:14:36
Local clock offset: -2.633 ms
Remote clock offset: -3.582 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 18.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 12.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

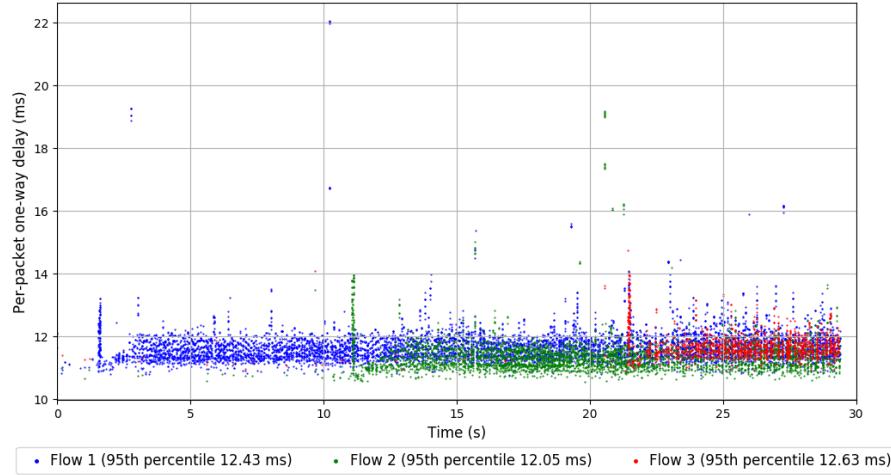
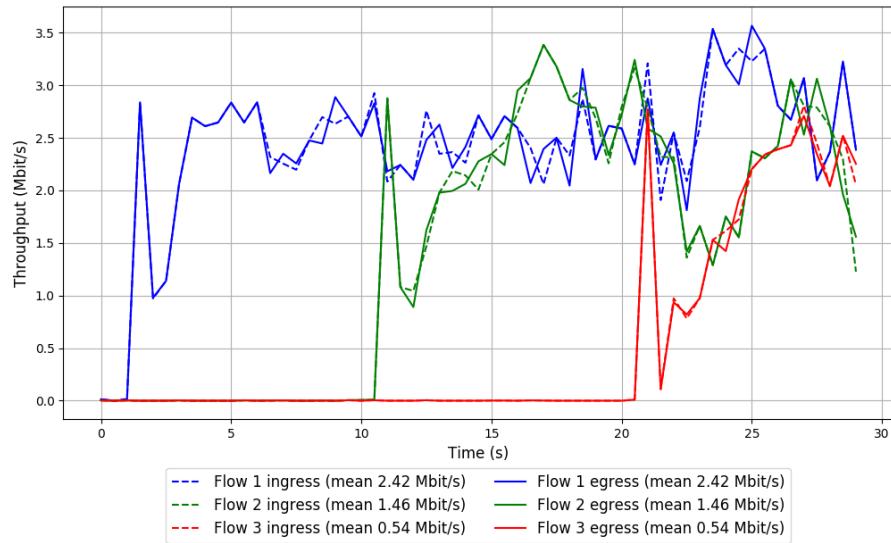


Run 6: Statistics of WebRTC media

```
Start at: 2017-09-08 02:32:46
End at: 2017-09-08 02:33:16
Local clock offset: -1.325 ms
Remote clock offset: -2.027 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 12.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 12.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 12.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 12.632 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

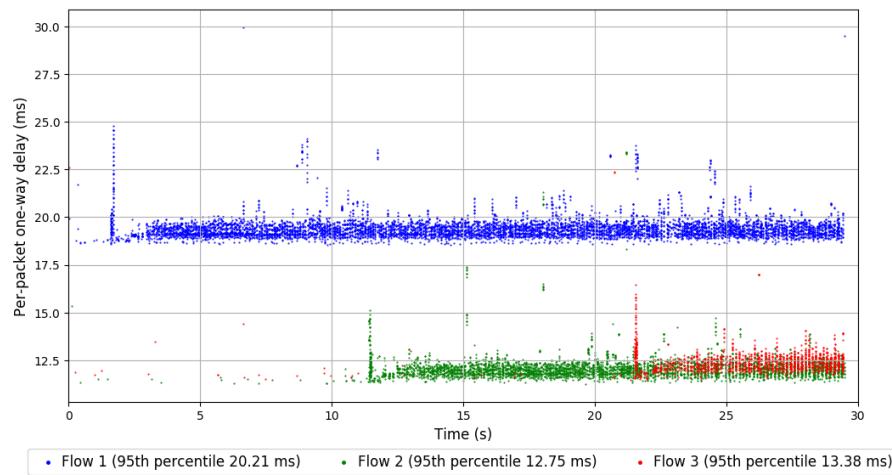
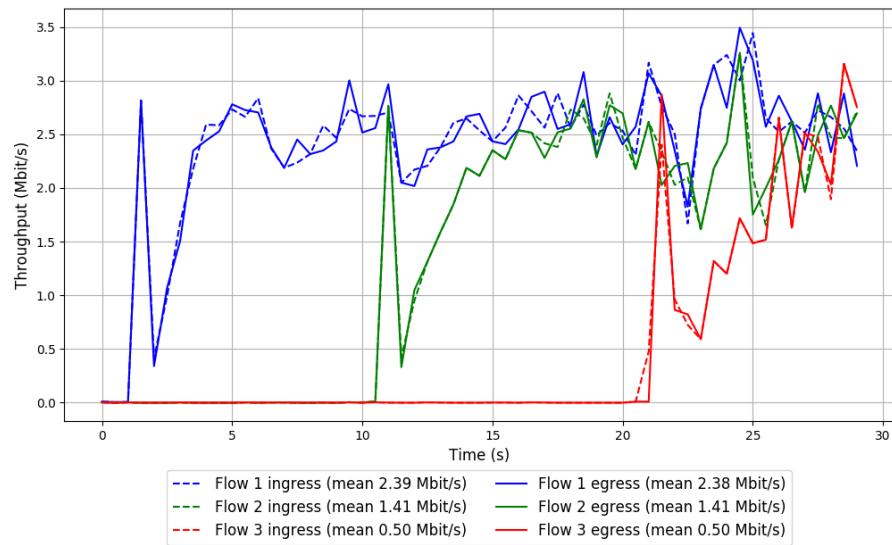


Run 7: Statistics of WebRTC media

```
Start at: 2017-09-08 02:51:32
End at: 2017-09-08 02:52:02
Local clock offset: -0.674 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 19.911 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 12.747 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 13.383 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

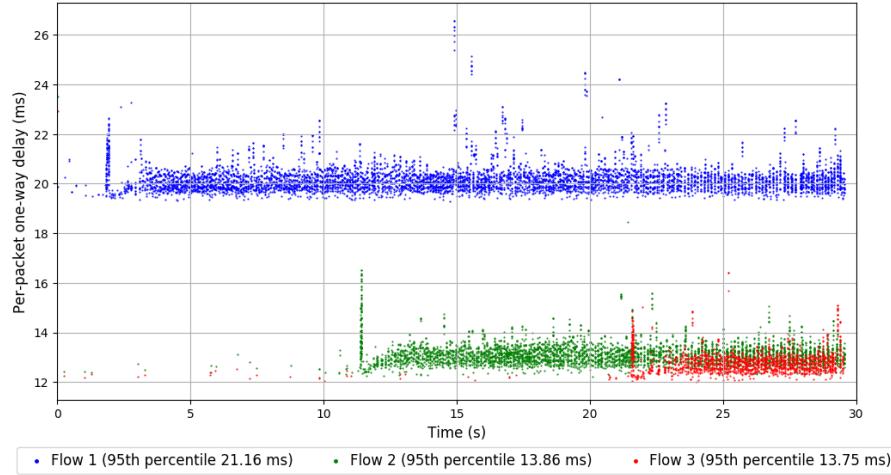
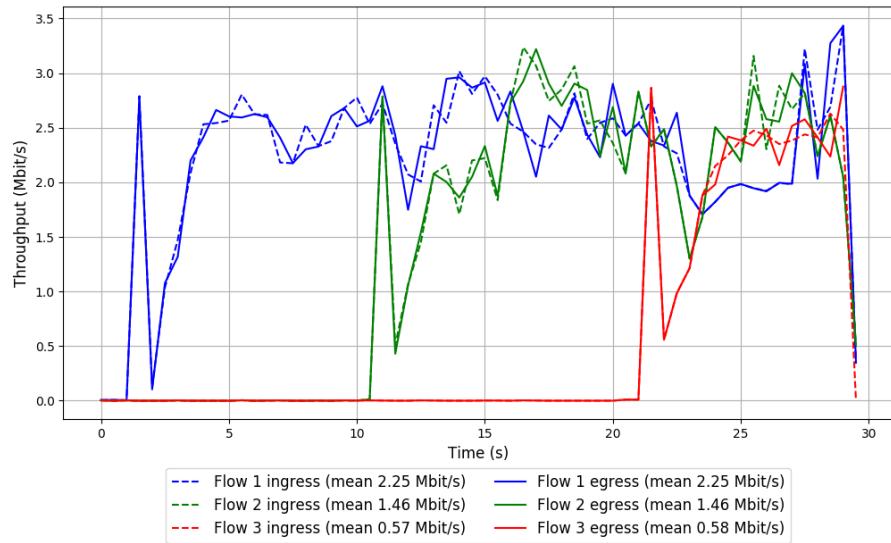


Run 8: Statistics of WebRTC media

```
Start at: 2017-09-08 03:10:14
End at: 2017-09-08 03:10:44
Local clock offset: -0.02 ms
Remote clock offset: 0.966 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 20.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 21.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 13.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 13.748 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

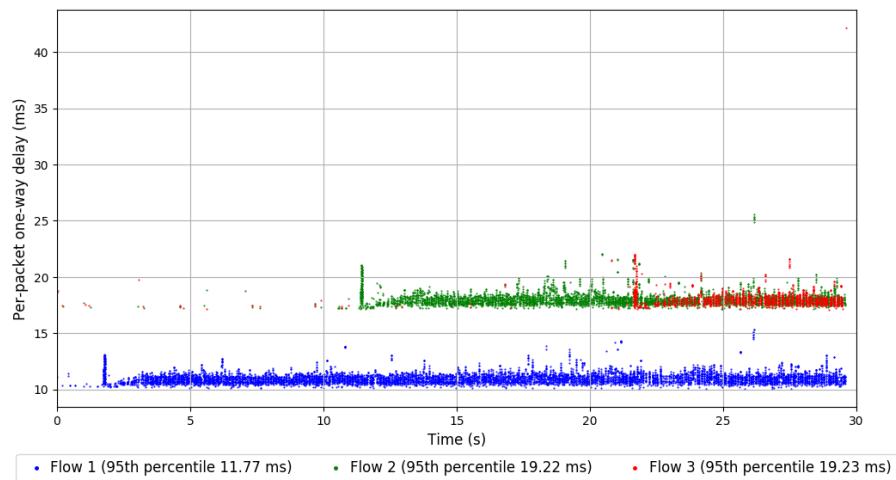
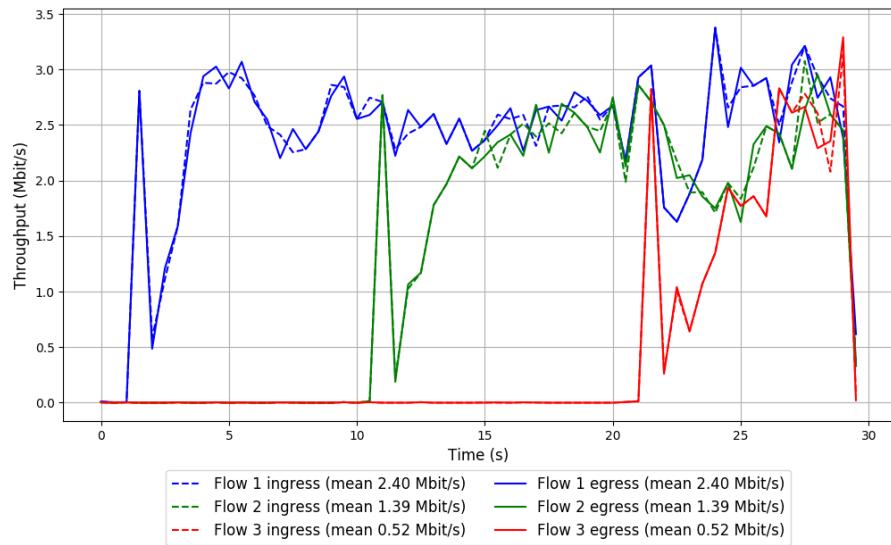


Run 9: Statistics of WebRTC media

```
Start at: 2017-09-08 03:29:26
End at: 2017-09-08 03:29:56
Local clock offset: 0.156 ms
Remote clock offset: -0.949 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.13%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2017-09-08 03:48:09
End at: 2017-09-08 03:48:39
Local clock offset: 0.037 ms
Remote clock offset: -2.146 ms

# Below is generated by plot.py at 2017-09-08 04:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 17.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 10.660 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 10.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 18.696 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

