

Pantheon Summary (Generated at Mon, 10 Jul 2017 02:56:11 +0000 with pantheon version c3610718e2bbac84102e8ac47b889a75d4392d79)

Repeated the test of 15 congestion control schemes 10 times.

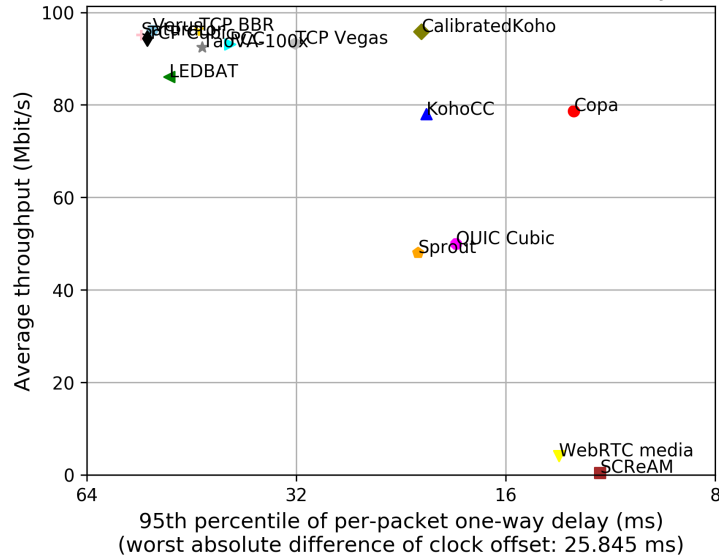
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** India Ethernet **to** AWS India 1 Ethernet.

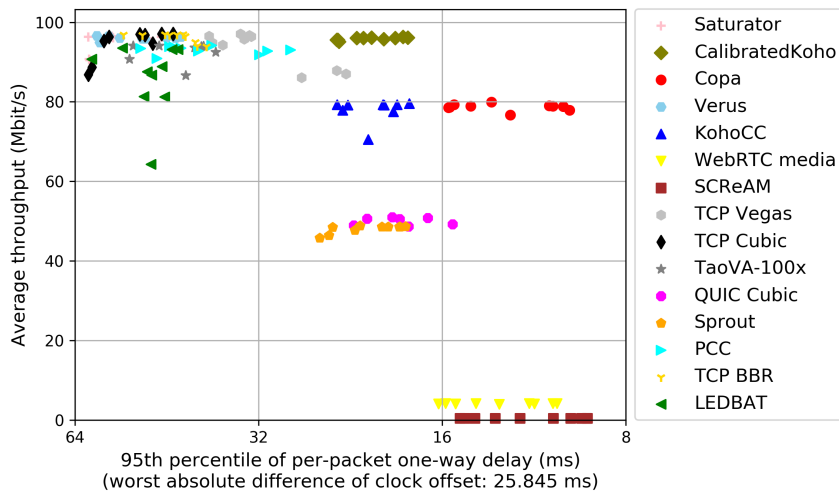
NTP offset measured against nets.org.sg.

```
git branch: master @ c3610718e2bbac84102e8ac47b889a75d4392d79
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ c792f8e8e0704b1646a0e024766675d8e9a835f1
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.84	40.06	31.79	40.08	45.01	48.69	0.22	0.25	0.61
CalibratedKoho	10	55.51	44.10	33.13	20.71	21.37	21.43	0.18	0.17	0.38
Copa	10	43.48	37.43	30.98	12.54	12.88	13.20	0.22	0.19	0.32
TCP Cubic	10	56.19	41.42	36.47	49.66	52.81	45.47	0.29	0.40	0.86
KohoCC	10	41.12	37.42	33.16	19.42	21.13	20.42	0.11	0.15	0.33
LEDBAT	10	52.05	37.54	27.93	43.23	48.80	49.00	0.21	0.37	0.84
PCC	10	60.93	39.37	18.02	38.75	38.48	31.06	2.65	4.48	7.09
QUIC Cubic	10	70.14	71.40	71.10	17.67	17.52	17.83	0.06	0.12	0.16
Saturator	10	58.00	38.16	34.74	46.12	53.69	46.50	0.20	0.32	0.67
SCReAM	10	0.21	0.21	0.22	11.73	11.70	11.71	0.06	0.10	0.11
Sprout	10	24.16	24.13	23.55	21.03	21.35	22.33	0.15	0.16	0.34
TaoVA-100x	10	53.88	38.26	37.36	43.53	44.03	37.19	0.27	0.34	0.69
TCP Vegas	10	56.10	37.31	37.14	28.06	30.37	34.24	0.11	0.15	0.34
Verus	10	57.89	41.19	32.65	48.38	47.69	47.83	0.20	0.28	0.63
WebRTC media	10	2.30	1.36	0.45	13.30	13.46	13.94	0.13	0.10	0.54

Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:05:30 +0000

End at: Sun, 09 Jul 2017 23:06:00 +0000

Local clock offset: 1.863 ms

Remote clock offset: -17.467 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:42:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 43.593 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 40.576 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 44.643 ms

Loss rate: 0.22%

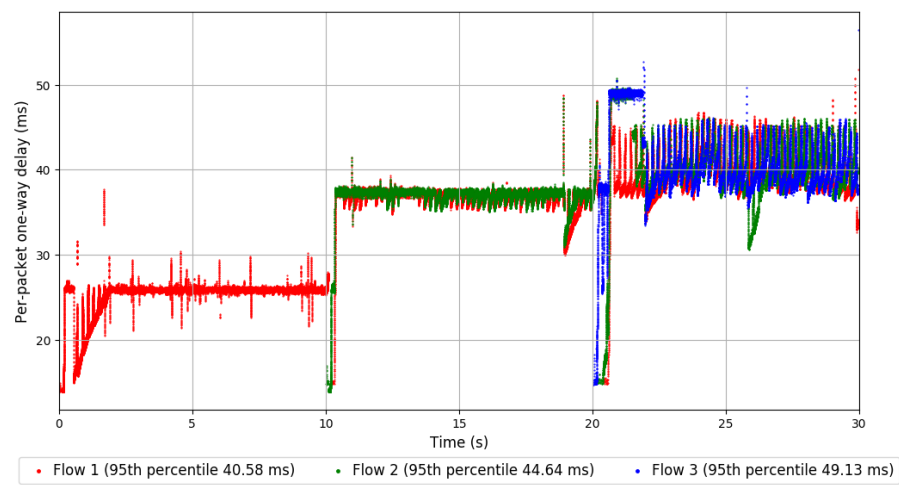
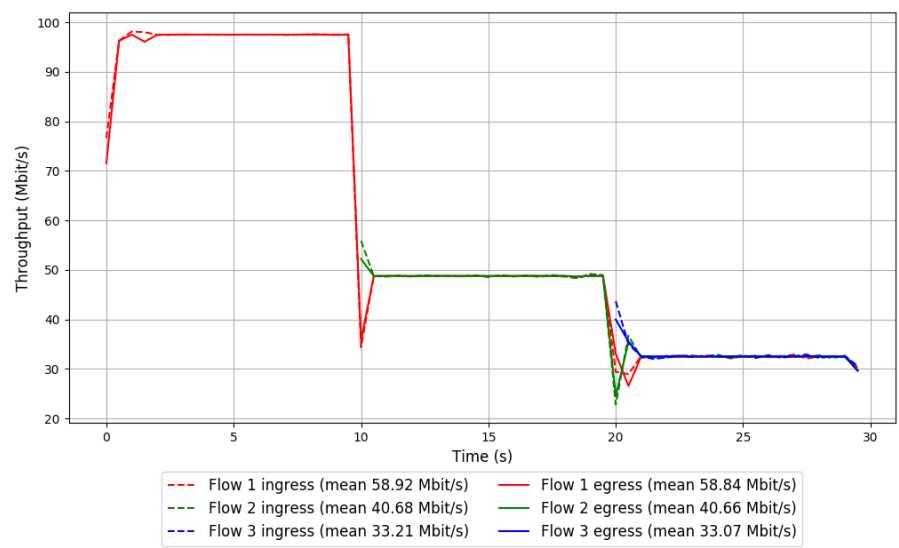
-- Flow 3:

Average throughput: 33.07 Mbit/s

95th percentile per-packet one-way delay: 49.129 ms

Loss rate: 0.52%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:23:30 +0000

End at: Sun, 09 Jul 2017 23:24:00 +0000

Local clock offset: -1.372 ms

Remote clock offset: -17.241 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:42:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 42.585 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 42.293 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 48.44 Mbit/s

95th percentile per-packet one-way delay: 36.738 ms

Loss rate: 0.30%

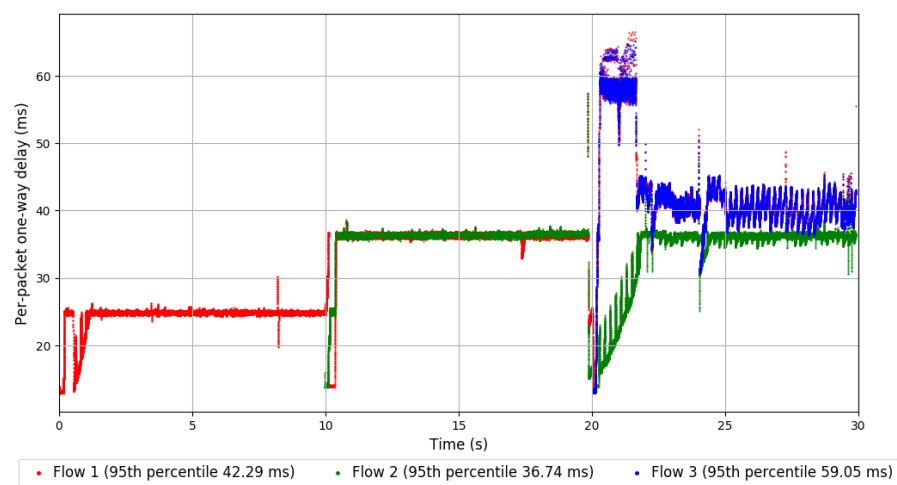
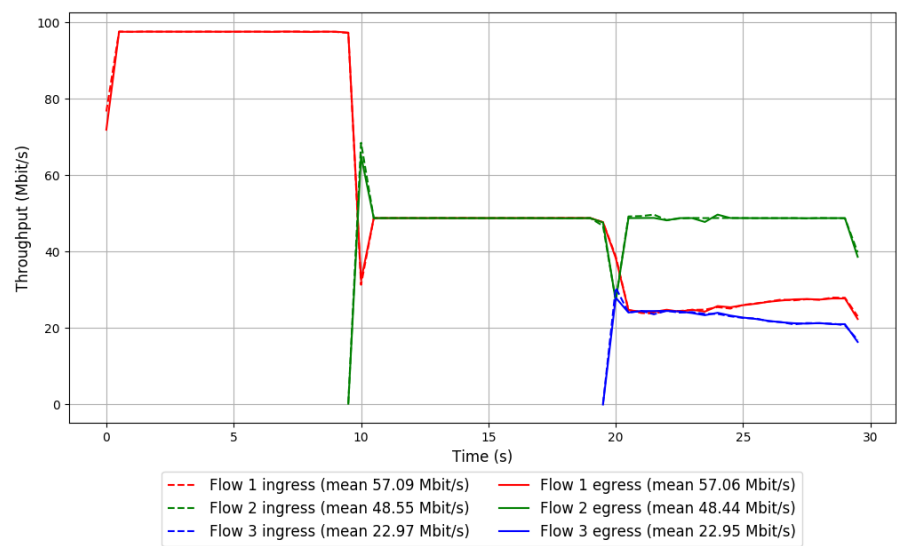
-- Flow 3:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 59.045 ms

Loss rate: 0.44%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:41:29 +0000

End at: Sun, 09 Jul 2017 23:41:59 +0000

Local clock offset: 2.131 ms

Remote clock offset: -18.885 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:42:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 42.228 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 41.134 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 52.134 ms

Loss rate: 0.20%

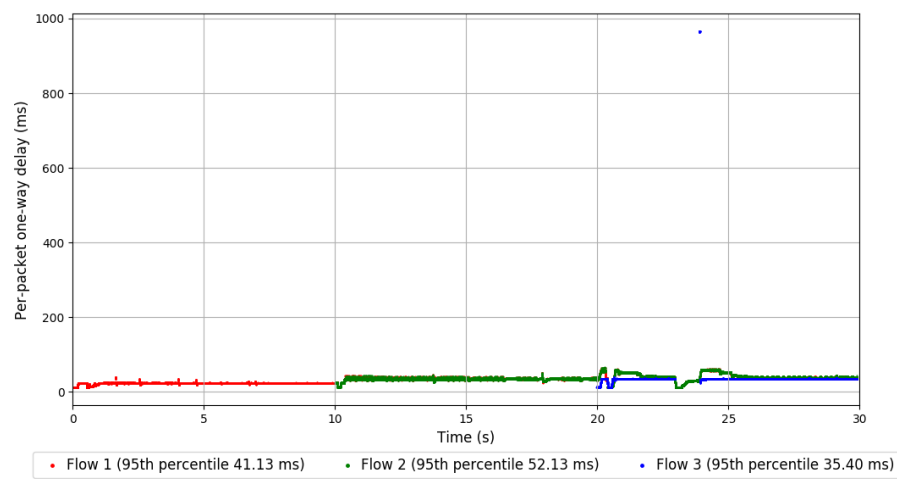
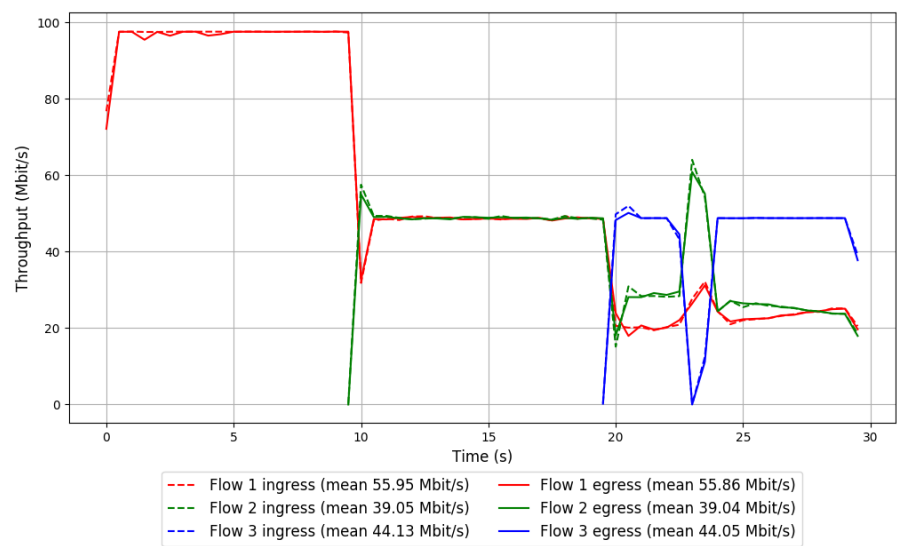
-- Flow 3:

Average throughput: 44.05 Mbit/s

95th percentile per-packet one-way delay: 35.403 ms

Loss rate: 0.54%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:59:36 +0000

End at: Mon, 10 Jul 2017 00:00:06 +0000

Local clock offset: 2.391 ms

Remote clock offset: -18.226 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:42:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 40.351 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 38.189 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 46.612 ms

Loss rate: 0.23%

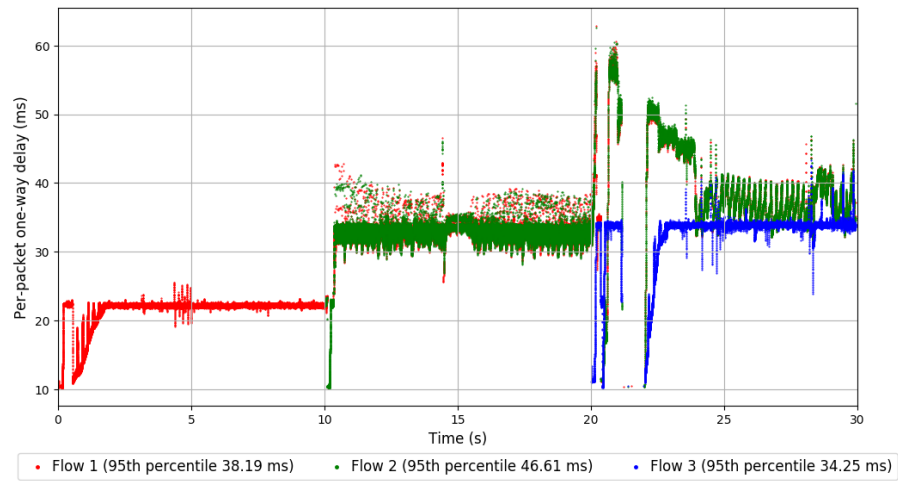
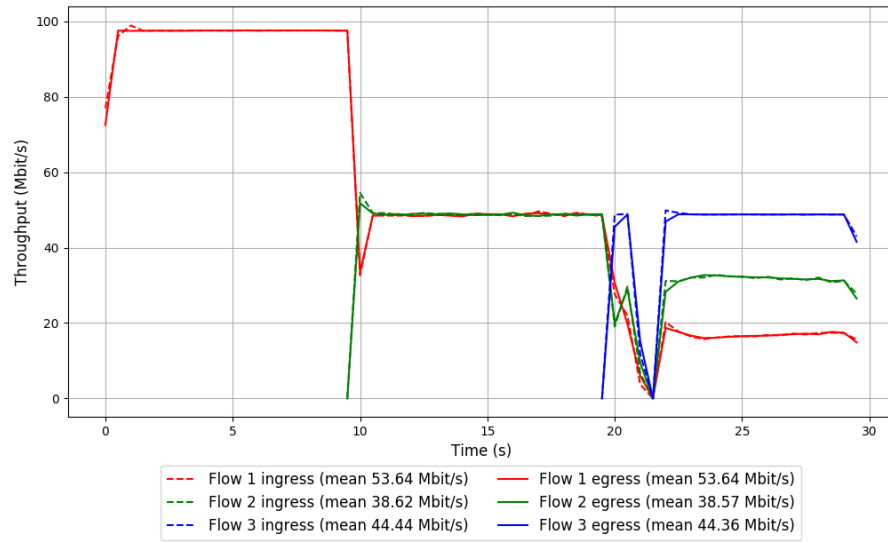
-- Flow 3:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 34.253 ms

Loss rate: 0.54%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 00:17:45 +0000

End at: Mon, 10 Jul 2017 00:18:15 +0000

Local clock offset: 0.375 ms

Remote clock offset: -19.121 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:42:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 44.833 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 33.141 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 49.722 ms

Loss rate: 0.15%

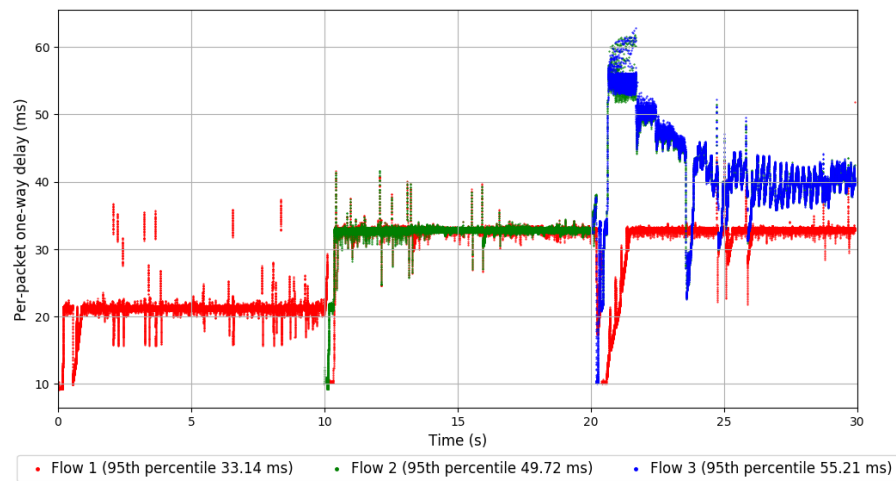
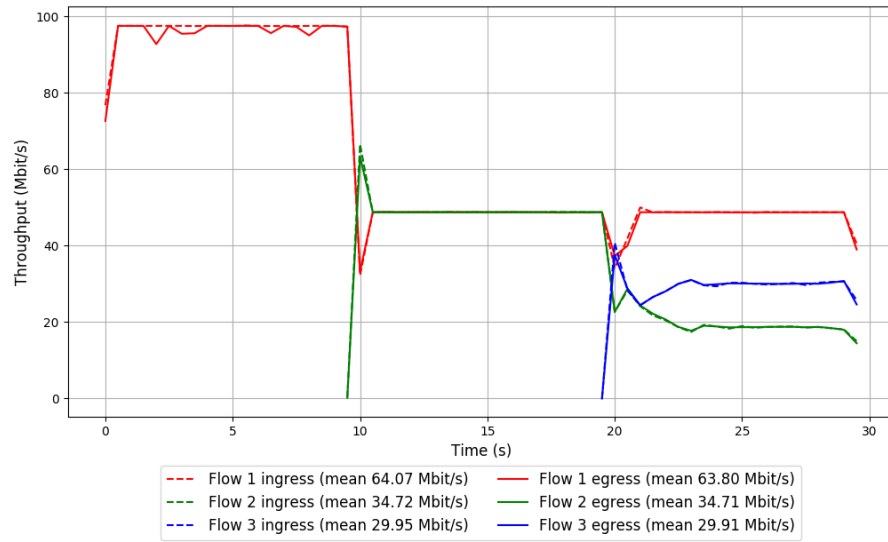
-- Flow 3:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 55.206 ms

Loss rate: 0.60%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 00:35:52 +0000

End at: Mon, 10 Jul 2017 00:36:22 +0000

Local clock offset: 1.123 ms

Remote clock offset: -18.503 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:42:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 38.981 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 57.90 Mbit/s

95th percentile per-packet one-way delay: 34.080 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 39.22 Mbit/s

95th percentile per-packet one-way delay: 39.157 ms

Loss rate: 0.34%

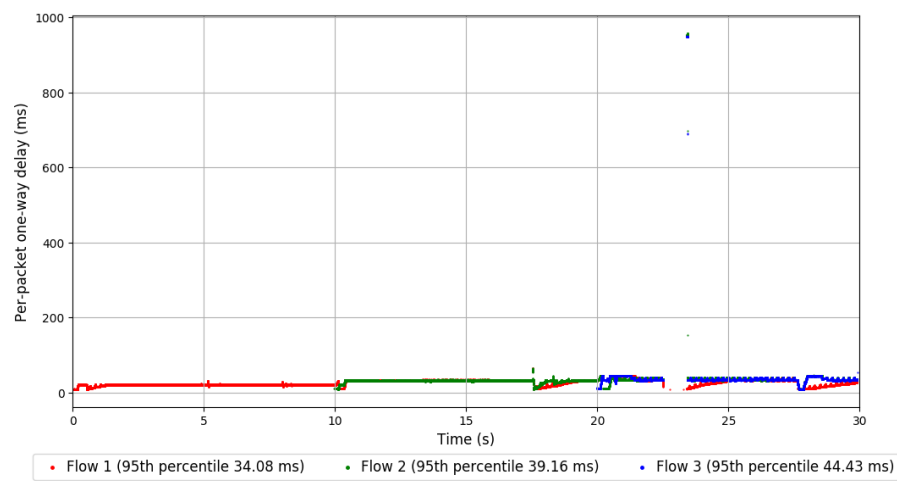
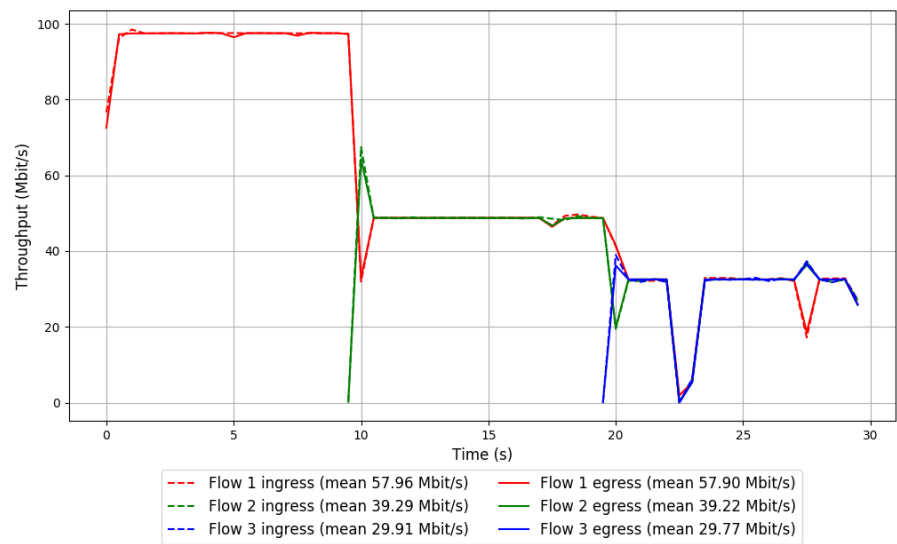
-- Flow 3:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 44.430 ms

Loss rate: 0.56%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 00:53:54 +0000

End at: Mon, 10 Jul 2017 00:54:24 +0000

Local clock offset: 3.658 ms

Remote clock offset: -20.585 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 40.662 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 40.061 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 40.767 ms

Loss rate: 0.38%

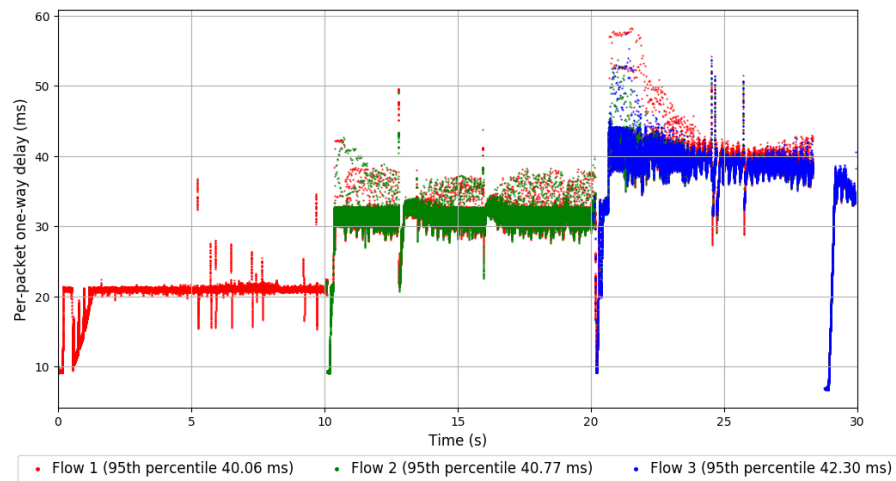
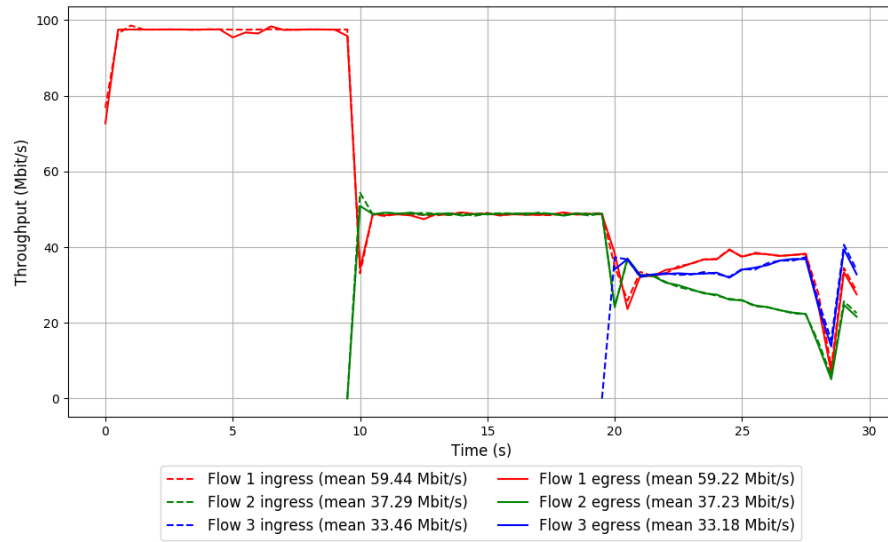
-- Flow 3:

Average throughput: 33.18 Mbit/s

95th percentile per-packet one-way delay: 42.297 ms

Loss rate: 1.25%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:12:06 +0000

End at: Mon, 10 Jul 2017 01:12:36 +0000

Local clock offset: 2.876 ms

Remote clock offset: -21.347 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 53.311 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 63.94 Mbit/s

95th percentile per-packet one-way delay: 38.533 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 35.17 Mbit/s

95th percentile per-packet one-way delay: 57.019 ms

Loss rate: 0.18%

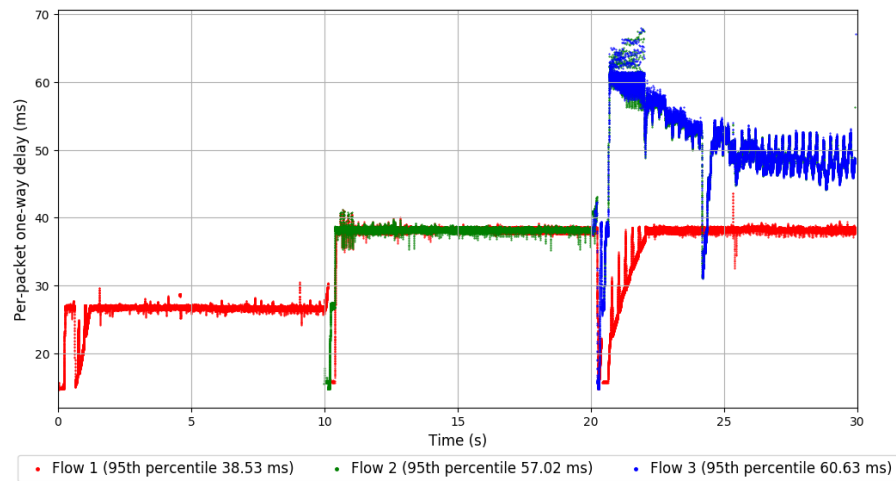
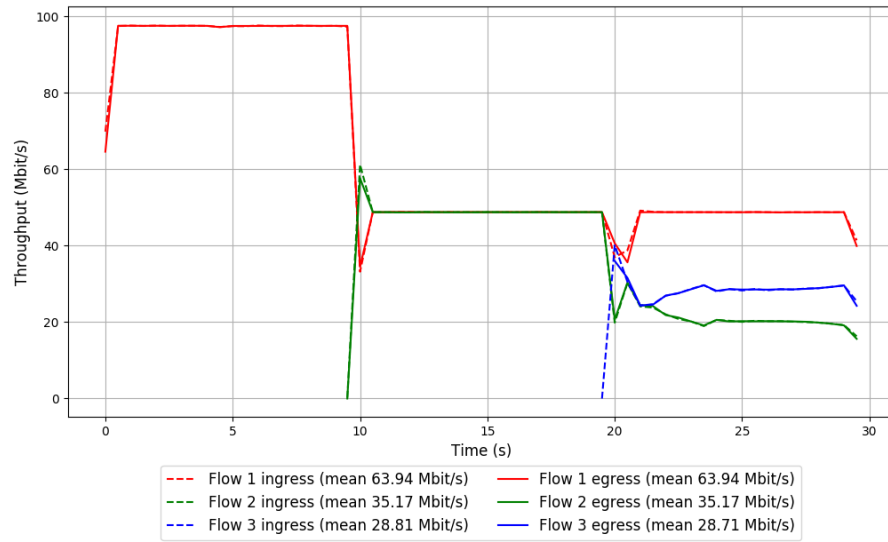
-- Flow 3:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 60.633 ms

Loss rate: 0.69%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:30:35 +0000

End at: Mon, 10 Jul 2017 01:31:05 +0000

Local clock offset: 0.12 ms

Remote clock offset: -21.975 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 49.615 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 59.21 Mbit/s

95th percentile per-packet one-way delay: 47.608 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 39.10 Mbit/s

95th percentile per-packet one-way delay: 49.513 ms

Loss rate: 0.27%

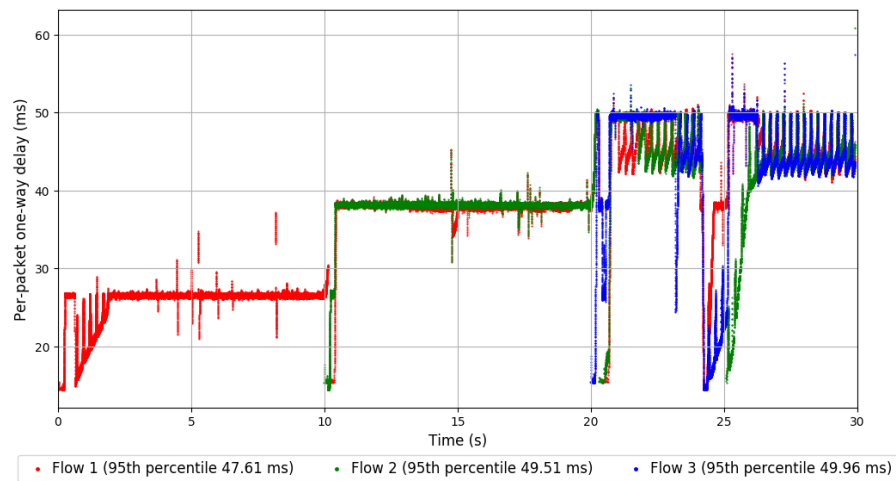
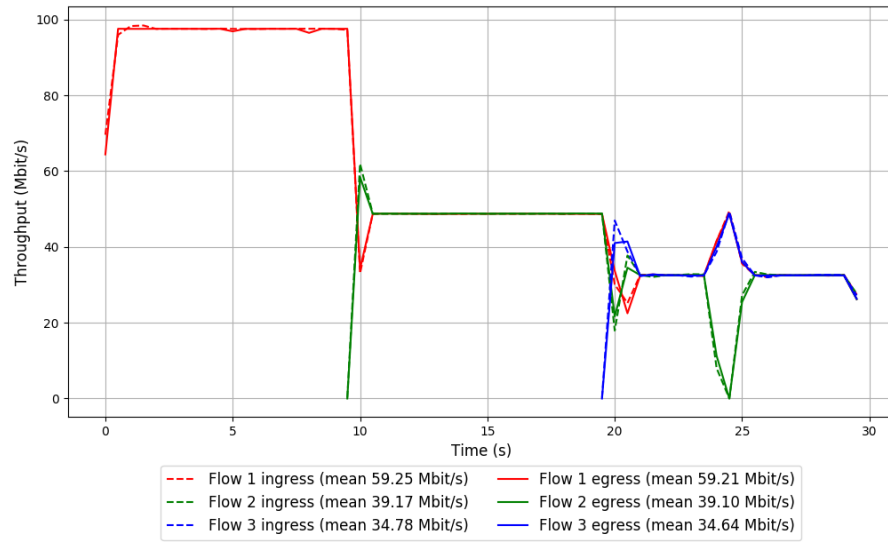
-- Flow 3:

Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 49.963 ms

Loss rate: 0.61%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:48:39 +0000

End at: Mon, 10 Jul 2017 01:49:09 +0000

Local clock offset: 0.057 ms

Remote clock offset: -19.355 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 45.592 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 45.140 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 33.782 ms

Loss rate: 0.25%

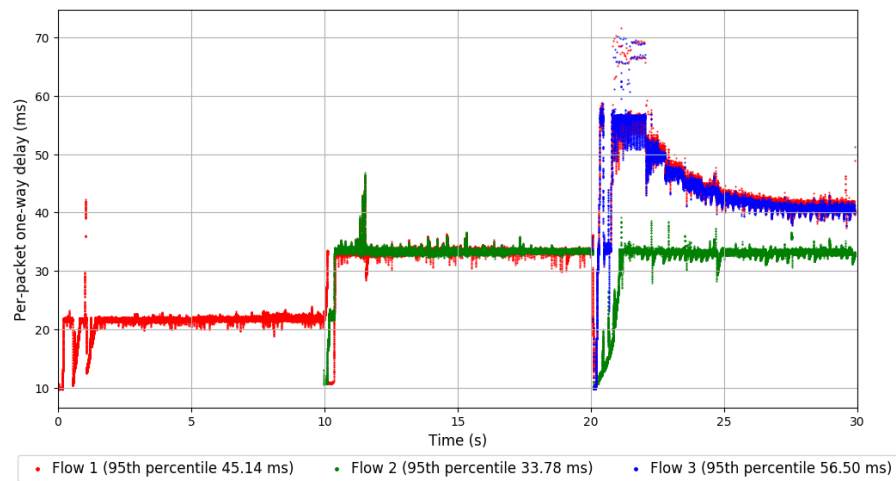
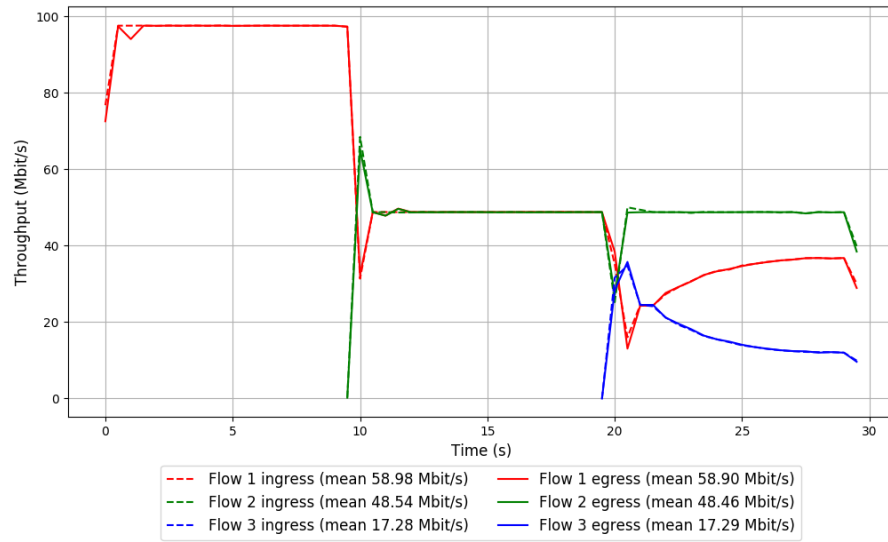
-- Flow 3:

Average throughput: 17.29 Mbit/s

95th percentile per-packet one-way delay: 56.497 ms

Loss rate: 0.39%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:07:48 +0000

End at: Sun, 09 Jul 2017 23:08:18 +0000

Local clock offset: -1.28 ms

Remote clock offset: -18.831 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 22.085 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 21.851 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 21.960 ms

Loss rate: 0.18%

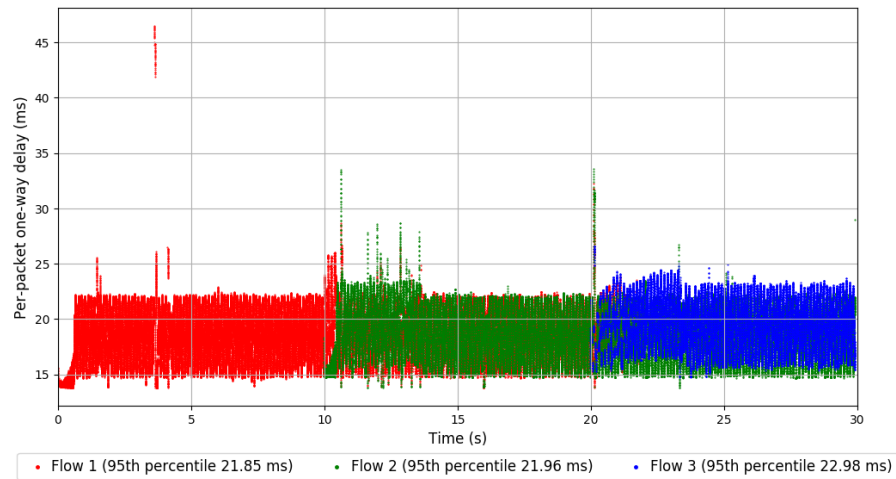
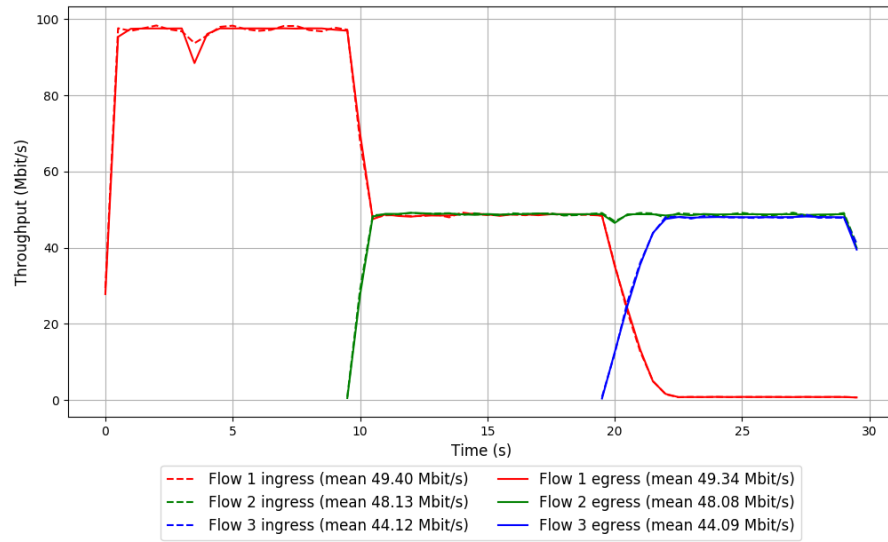
-- Flow 3:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 22.980 ms

Loss rate: 0.35%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:25:50 +0000

End at: Sun, 09 Jul 2017 23:26:20 +0000

Local clock offset: -0.722 ms

Remote clock offset: -16.841 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 20.884 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 20.856 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.07 Mbit/s

95th percentile per-packet one-way delay: 20.900 ms

Loss rate: 0.11%

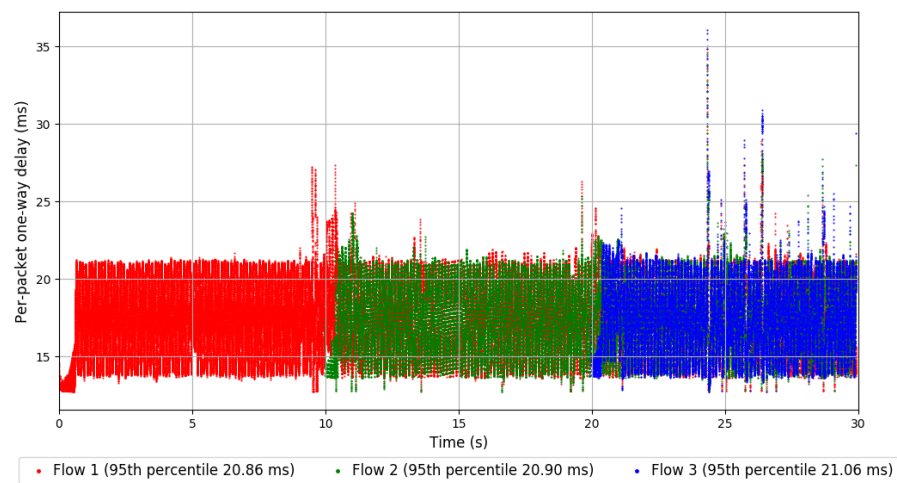
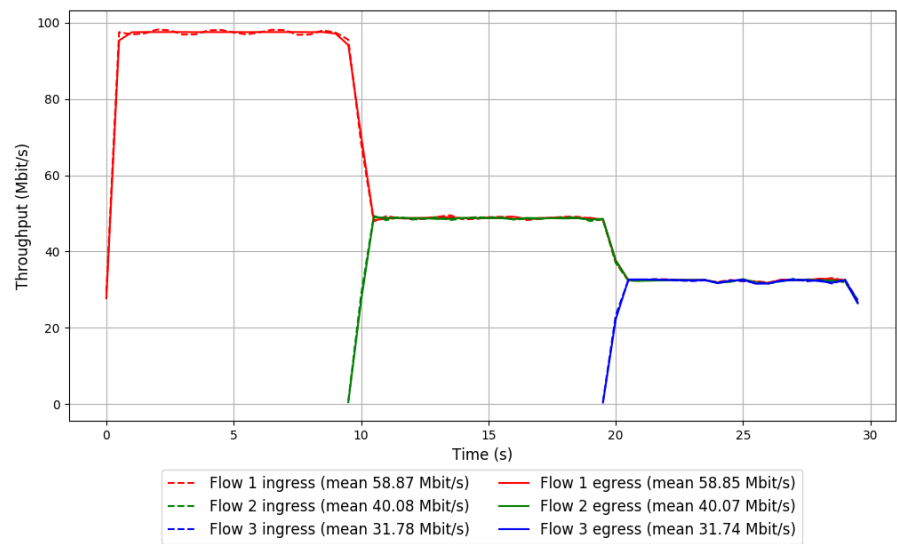
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 21.058 ms

Loss rate: 0.30%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:43:45 +0000

End at: Sun, 09 Jul 2017 23:44:15 +0000

Local clock offset: 2.512 ms

Remote clock offset: -18.17 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 19.962 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 19.872 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 43.89 Mbit/s

95th percentile per-packet one-way delay: 20.244 ms

Loss rate: 0.30%

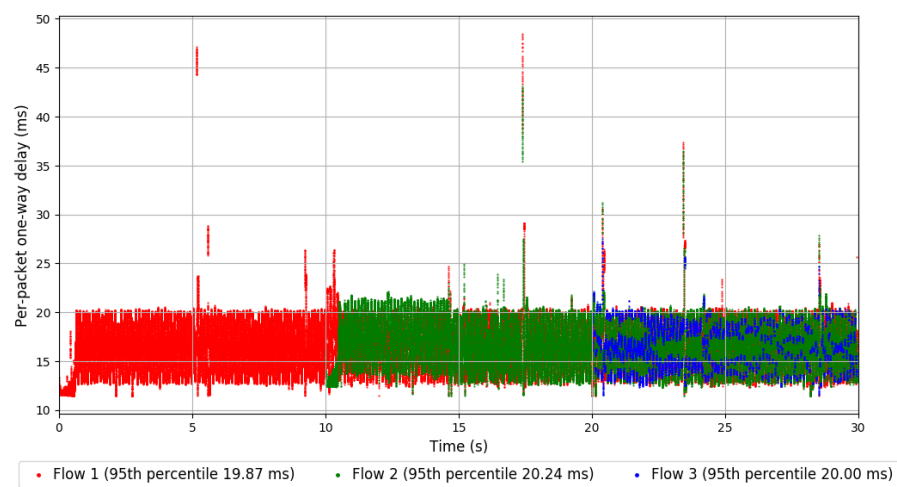
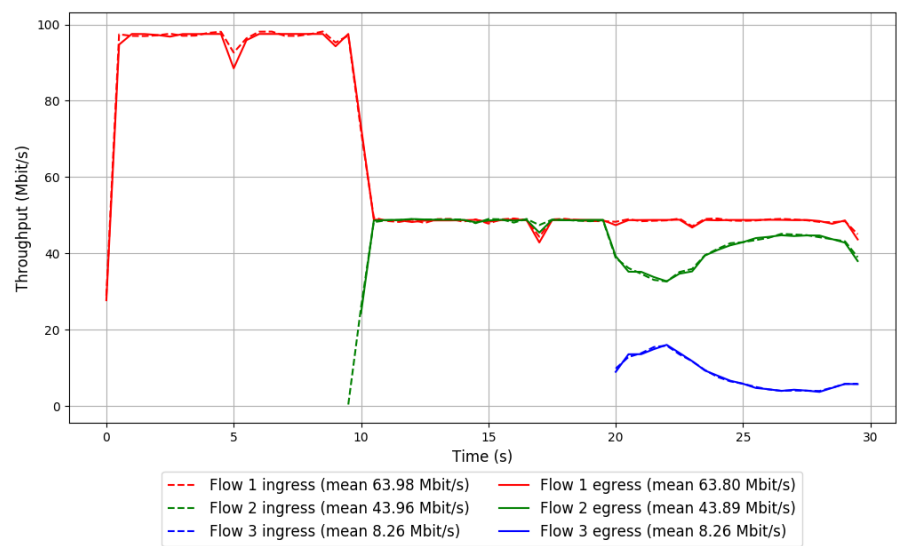
-- Flow 3:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 20.001 ms

Loss rate: 0.25%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:01:58 +0000

End at: Mon, 10 Jul 2017 00:02:28 +0000

Local clock offset: -0.252 ms

Remote clock offset: -18.119 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 19.098 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 18.935 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 19.264 ms

Loss rate: 0.03%

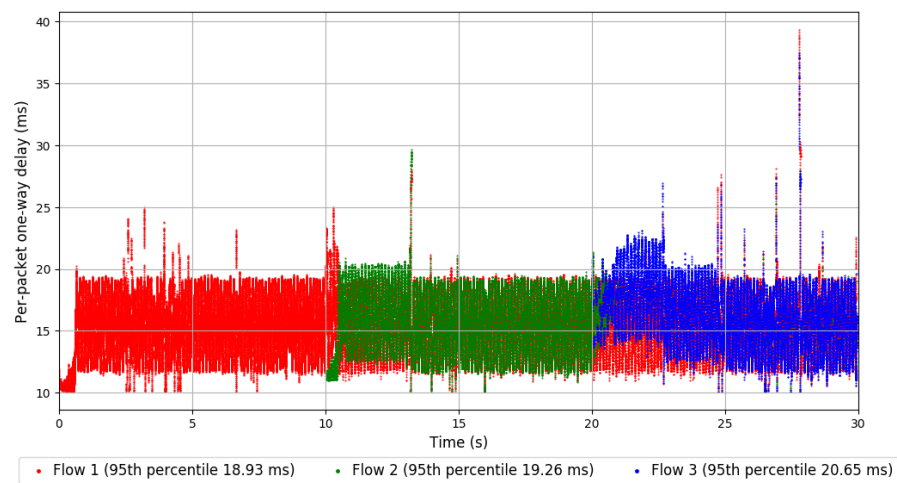
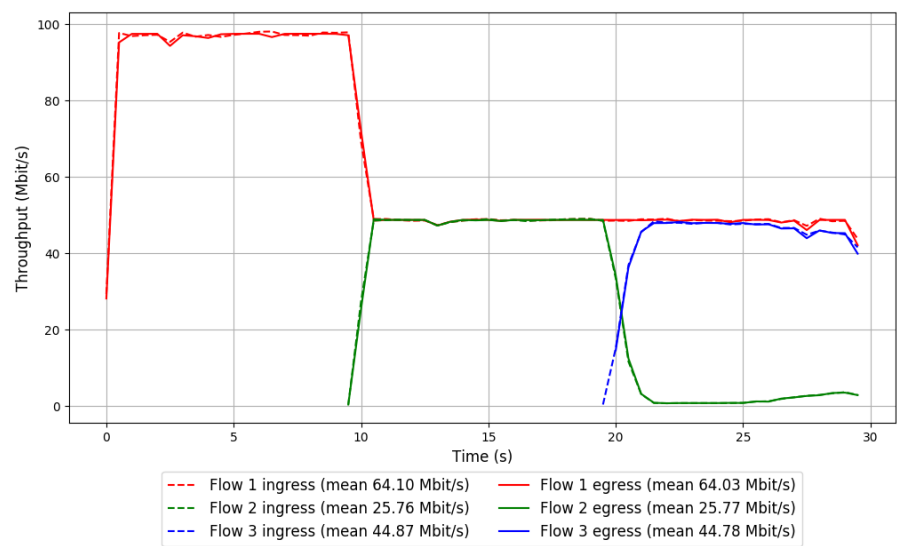
-- Flow 3:

Average throughput: 44.78 Mbit/s

95th percentile per-packet one-way delay: 20.646 ms

Loss rate: 0.45%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:20:02 +0000

End at: Mon, 10 Jul 2017 00:20:32 +0000

Local clock offset: 4.238 ms

Remote clock offset: -19.888 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 18.565 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 17.902 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.22 Mbit/s

95th percentile per-packet one-way delay: 19.051 ms

Loss rate: 0.12%

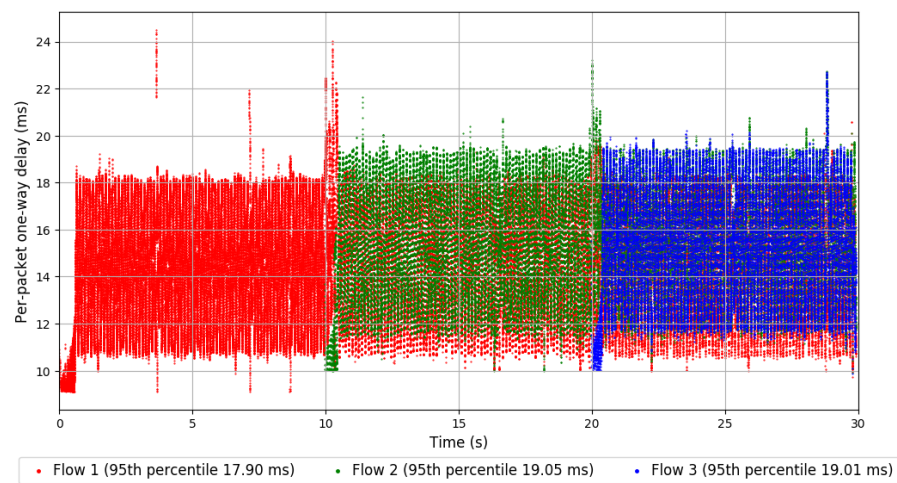
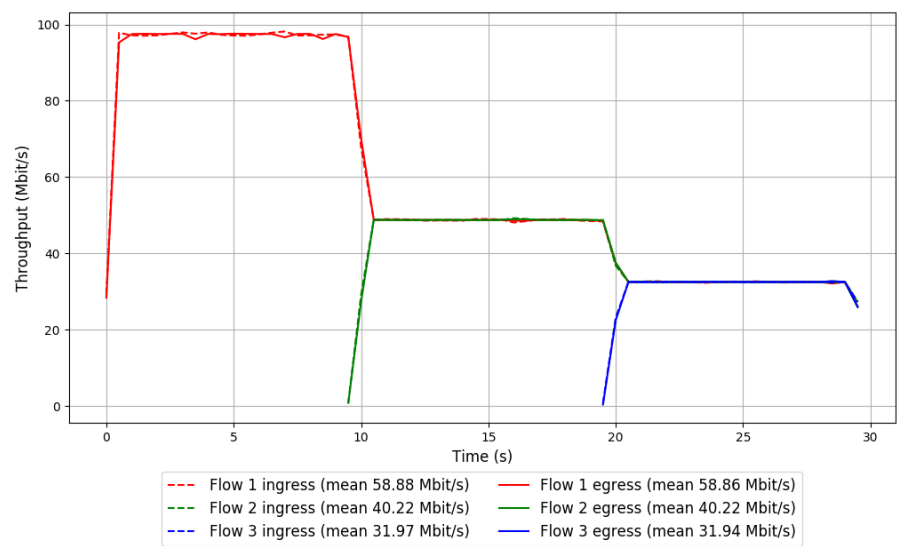
-- Flow 3:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 19.011 ms

Loss rate: 0.33%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:38:09 +0000

End at: Mon, 10 Jul 2017 00:38:39 +0000

Local clock offset: 1.757 ms

Remote clock offset: -19.26 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:43:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 18.226 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 17.902 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 18.908 ms

Loss rate: 0.10%

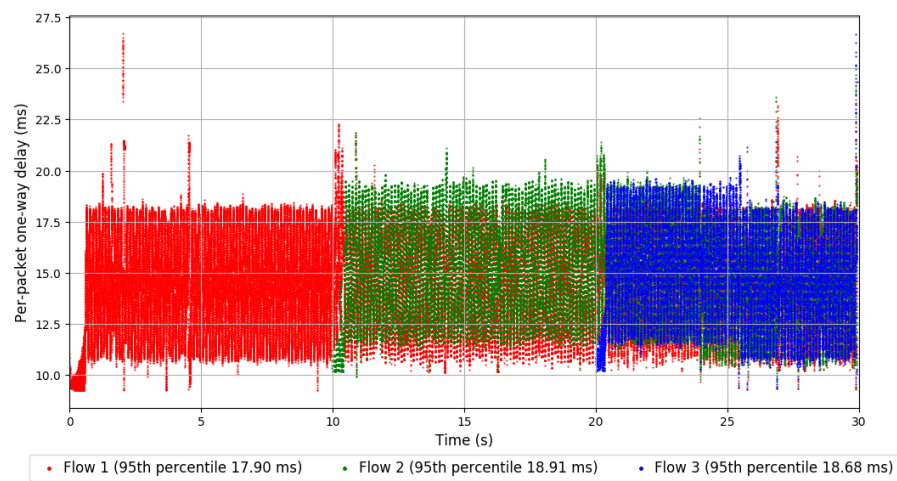
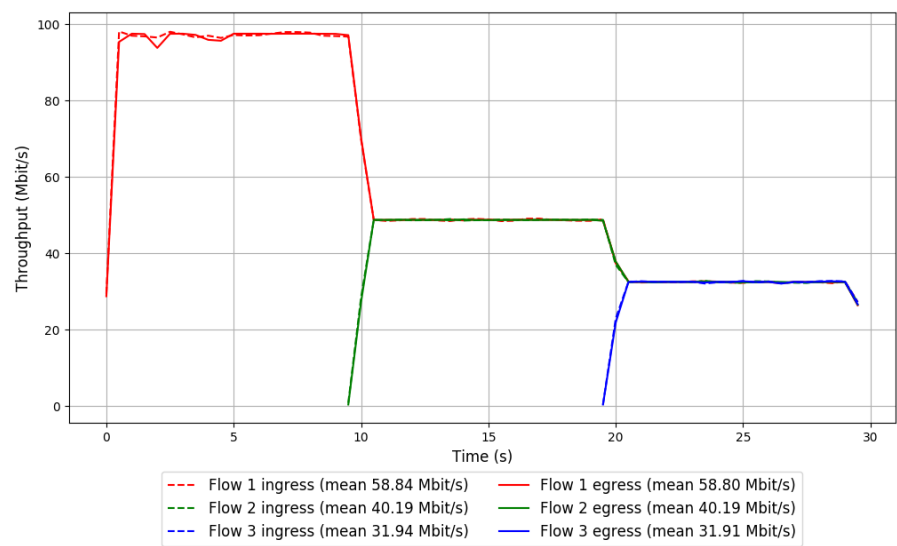
-- Flow 3:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 18.680 ms

Loss rate: 0.27%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:56:12 +0000

End at: Mon, 10 Jul 2017 00:56:42 +0000

Local clock offset: 2.603 ms

Remote clock offset: -19.61 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 23.726 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 23.570 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 47.82 Mbit/s

95th percentile per-packet one-way delay: 23.694 ms

Loss rate: 0.22%

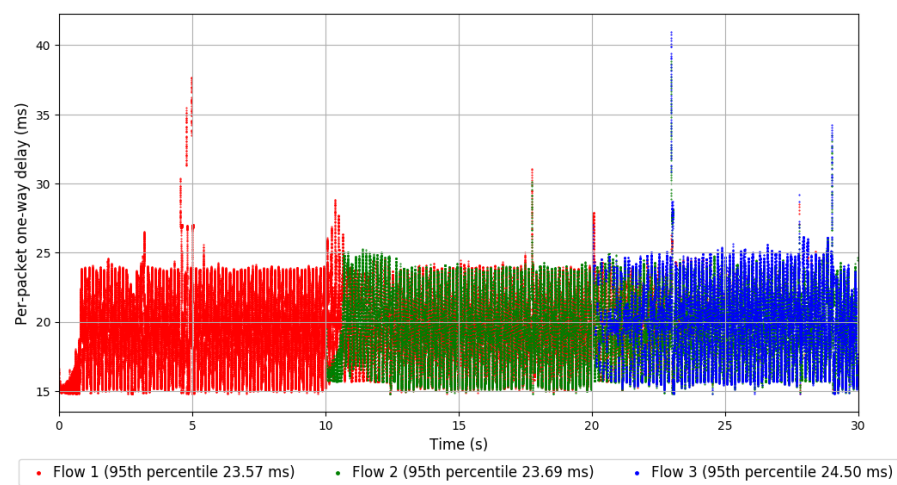
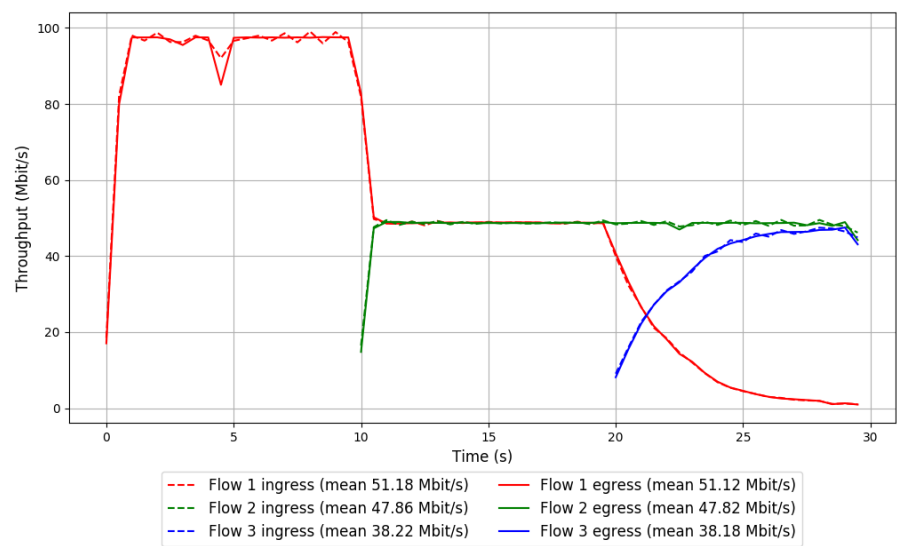
-- Flow 3:

Average throughput: 38.18 Mbit/s

95th percentile per-packet one-way delay: 24.495 ms

Loss rate: 0.49%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:14:25 +0000

End at: Mon, 10 Jul 2017 01:14:55 +0000

Local clock offset: 1.463 ms

Remote clock offset: -19.628 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 23.646 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 63.45 Mbit/s

95th percentile per-packet one-way delay: 23.572 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 39.51 Mbit/s

95th percentile per-packet one-way delay: 23.901 ms

Loss rate: 0.21%

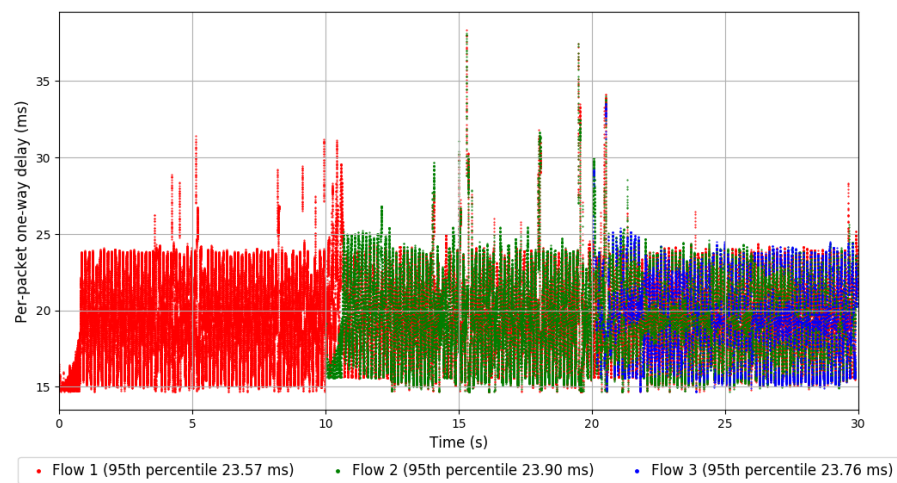
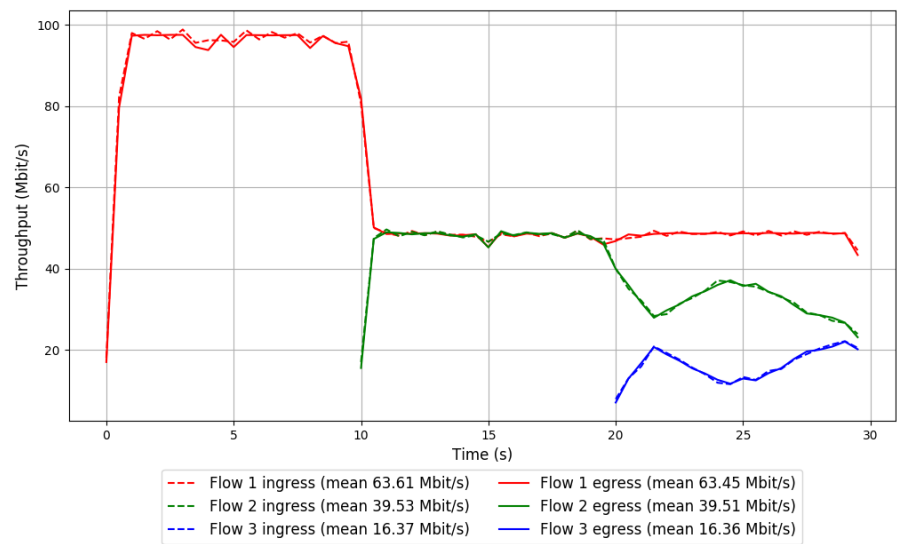
-- Flow 3:

Average throughput: 16.36 Mbit/s

95th percentile per-packet one-way delay: 23.761 ms

Loss rate: 0.43%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:32:56 +0000

End at: Mon, 10 Jul 2017 01:33:26 +0000

Local clock offset: 0.166 ms

Remote clock offset: -20.557 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 23.822 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 51.62 Mbit/s

95th percentile per-packet one-way delay: 23.645 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 47.77 Mbit/s

95th percentile per-packet one-way delay: 23.747 ms

Loss rate: 0.25%

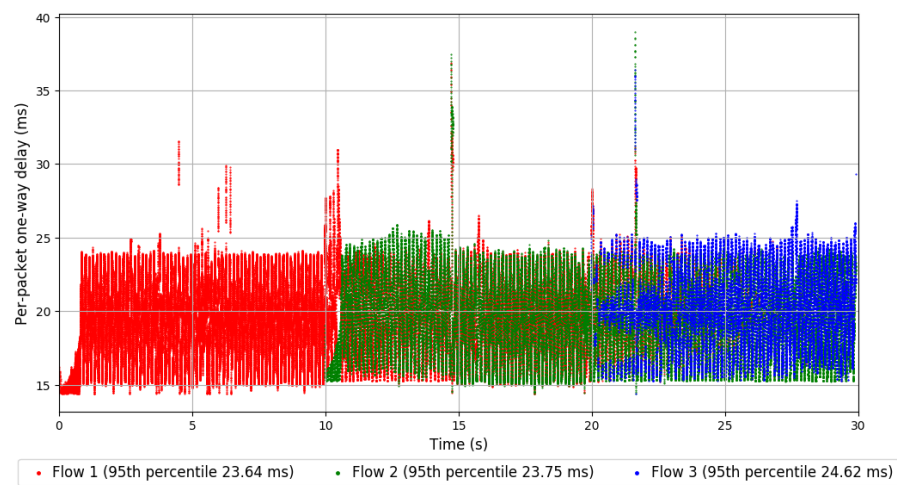
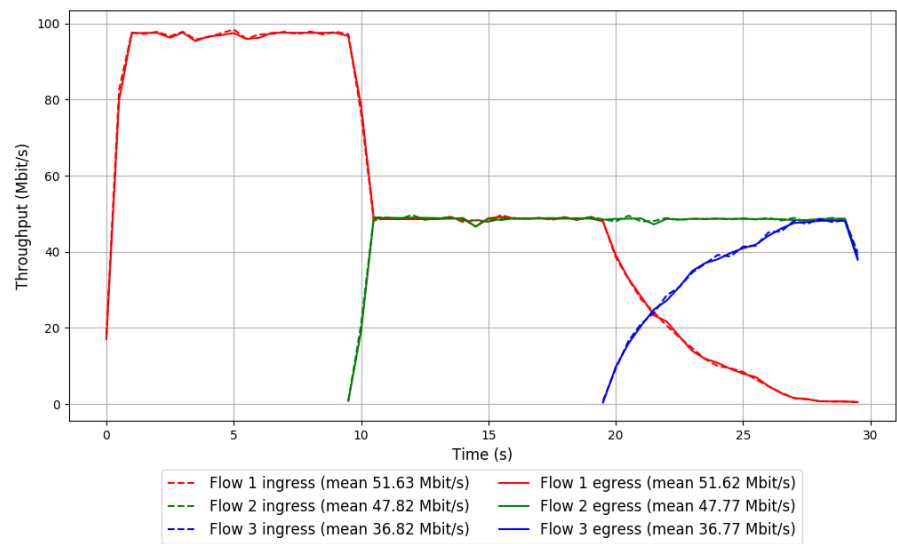
-- Flow 3:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 24.616 ms

Loss rate: 0.43%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:50:58 +0000

End at: Mon, 10 Jul 2017 01:51:28 +0000

Local clock offset: 2.839 ms

Remote clock offset: -20.743 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 21.541 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 18.945 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 67.70 Mbit/s

95th percentile per-packet one-way delay: 22.037 ms

Loss rate: 0.14%

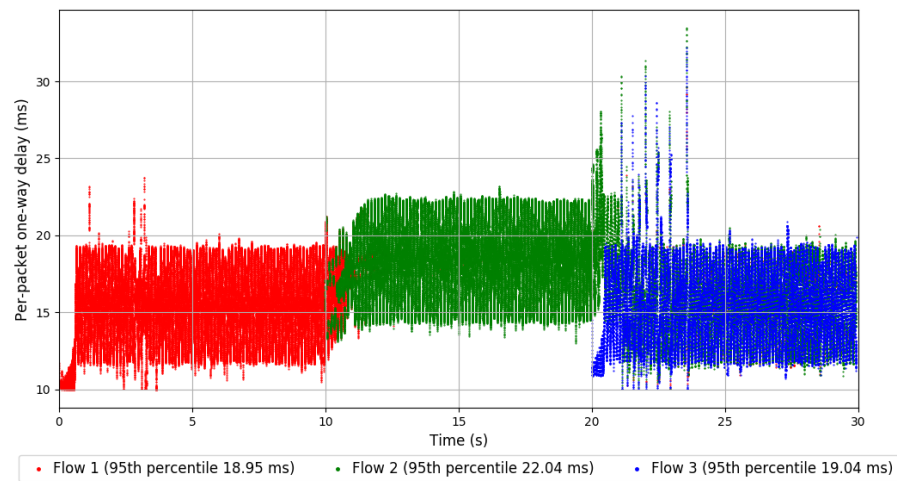
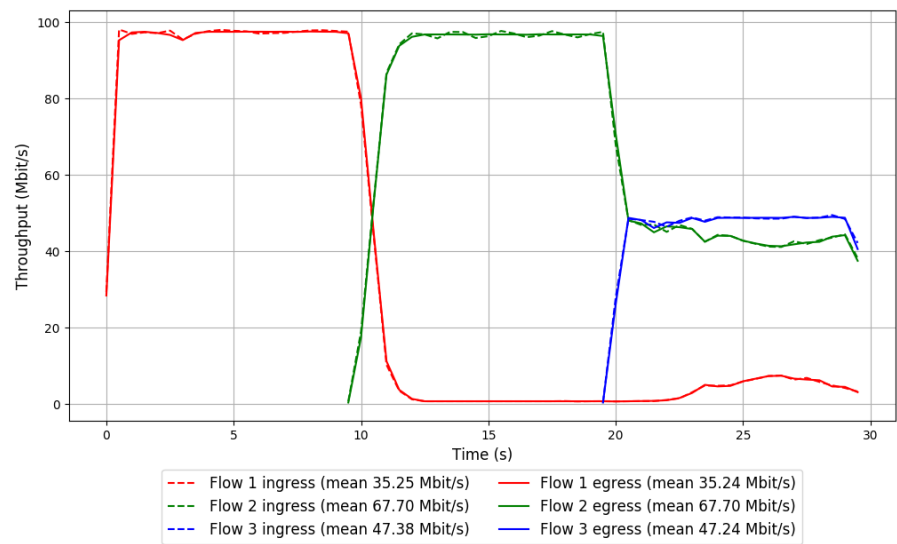
-- Flow 3:

Average throughput: 47.24 Mbit/s

95th percentile per-packet one-way delay: 19.041 ms

Loss rate: 0.48%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:09:04 +0000

End at: Sun, 09 Jul 2017 23:09:34 +0000

Local clock offset: -0.419 ms

Remote clock offset: -17.972 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 14.362 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 43.94 Mbit/s

95th percentile per-packet one-way delay: 14.135 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.21 Mbit/s

95th percentile per-packet one-way delay: 14.443 ms

Loss rate: 0.20%

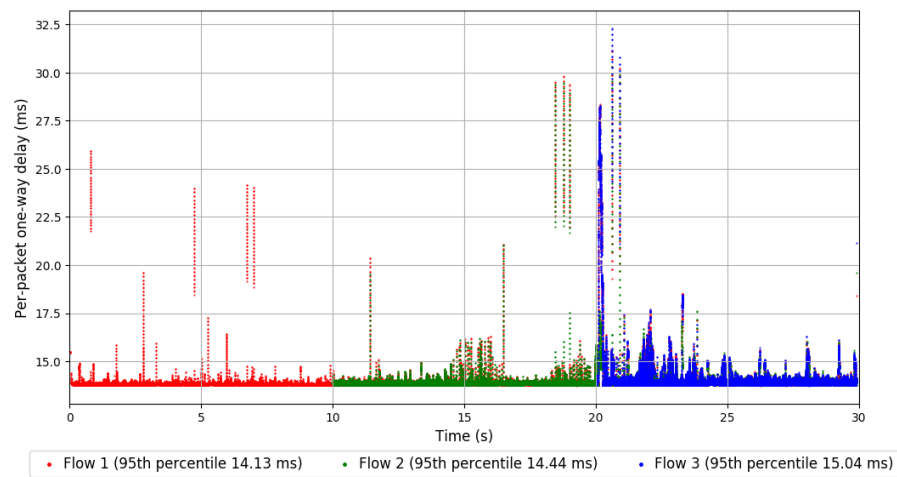
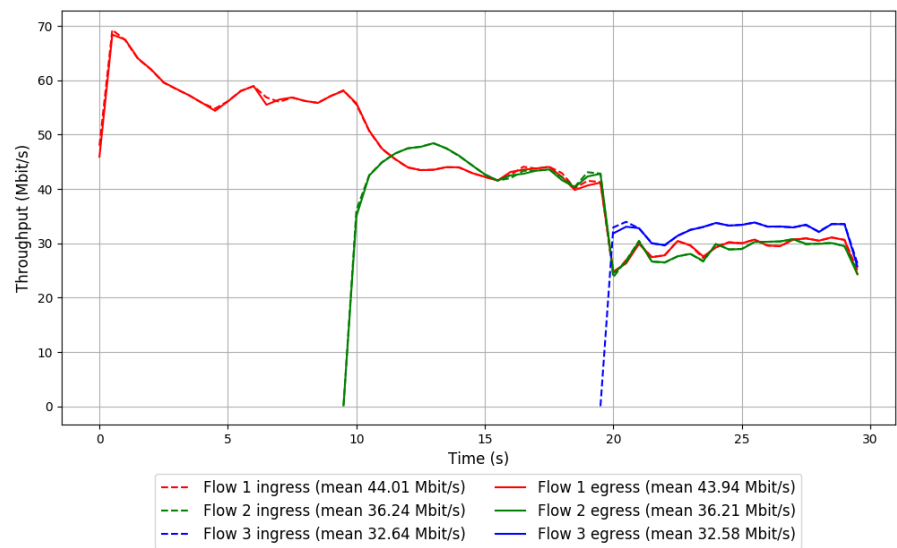
-- Flow 3:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 15.035 ms

Loss rate: 0.40%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:27:05 +0000

End at: Sun, 09 Jul 2017 23:27:35 +0000

Local clock offset: -0.731 ms

Remote clock offset: -19.139 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 13.291 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 44.21 Mbit/s

95th percentile per-packet one-way delay: 13.127 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 13.416 ms

Loss rate: 0.11%

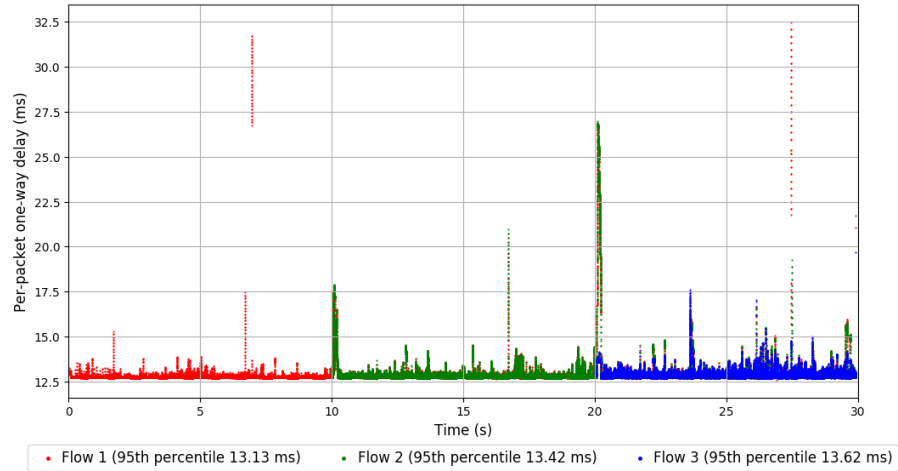
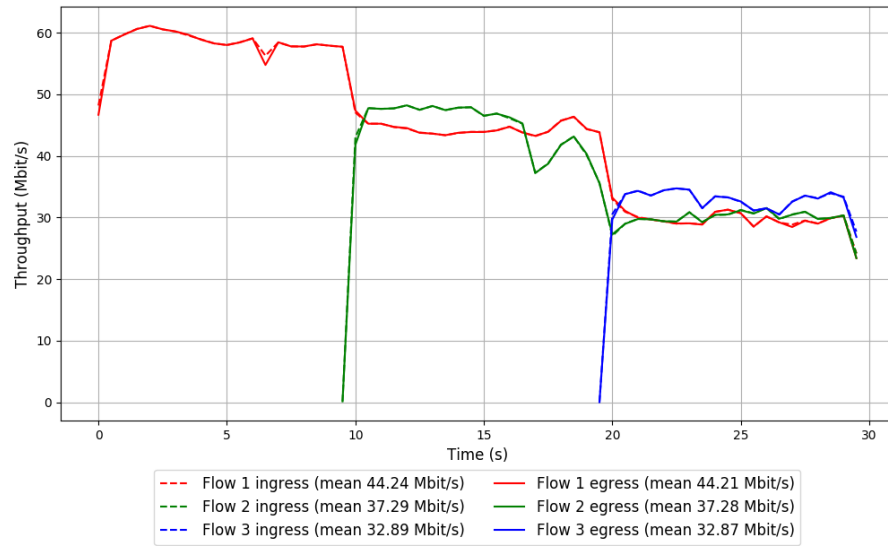
-- Flow 3:

Average throughput: 32.87 Mbit/s

95th percentile per-packet one-way delay: 13.615 ms

Loss rate: 0.26%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:44:59 +0000

End at: Sun, 09 Jul 2017 23:45:29 +0000

Local clock offset: 0.3 ms

Remote clock offset: -18.836 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.73 Mbit/s

95th percentile per-packet one-way delay: 12.370 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 43.03 Mbit/s

95th percentile per-packet one-way delay: 12.238 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 12.528 ms

Loss rate: 0.29%

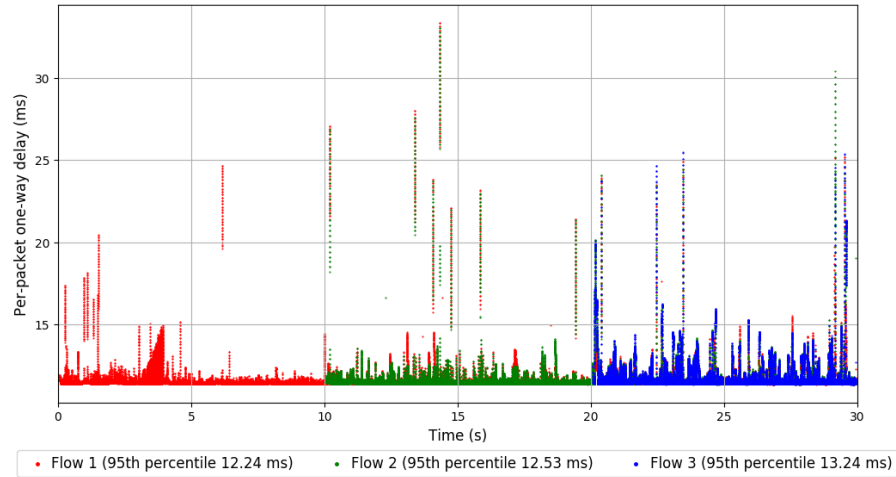
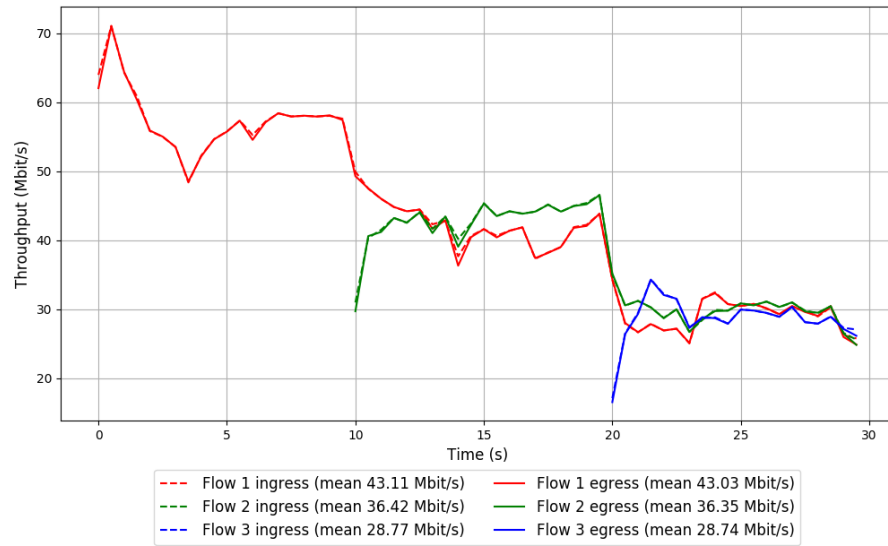
-- Flow 3:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 13.244 ms

Loss rate: 0.36%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:03:13 +0000

End at: Mon, 10 Jul 2017 00:03:43 +0000

Local clock offset: 2.931 ms

Remote clock offset: -17.223 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:44:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.97 Mbit/s

95th percentile per-packet one-way delay: 10.540 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 10.351 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 10.620 ms

Loss rate: 0.14%

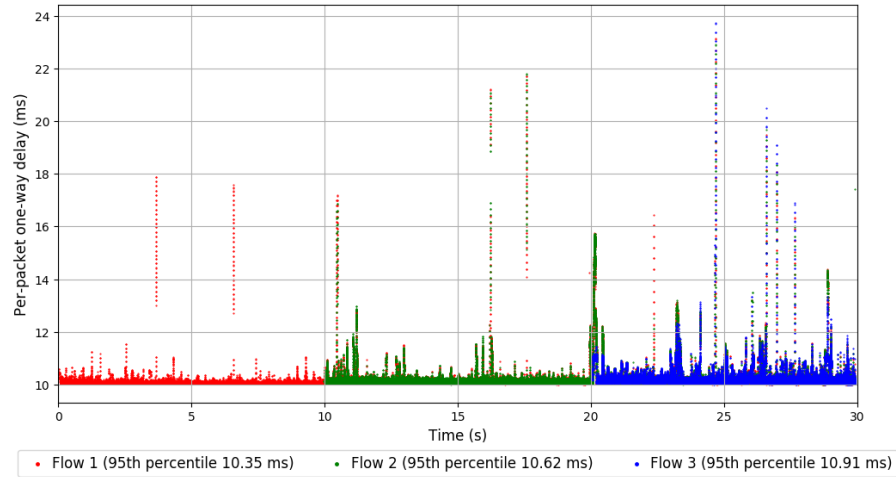
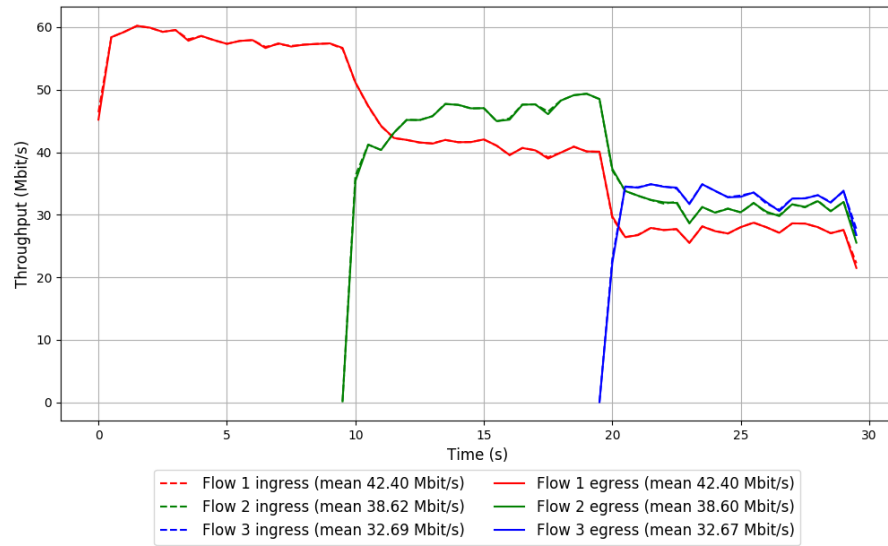
-- Flow 3:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 10.911 ms

Loss rate: 0.28%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:21:17 +0000

End at: Mon, 10 Jul 2017 00:21:47 +0000

Local clock offset: 4.148 ms

Remote clock offset: -21.006 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:45:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 9.896 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 43.51 Mbit/s

95th percentile per-packet one-way delay: 9.679 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 37.00 Mbit/s

95th percentile per-packet one-way delay: 9.956 ms

Loss rate: 0.21%

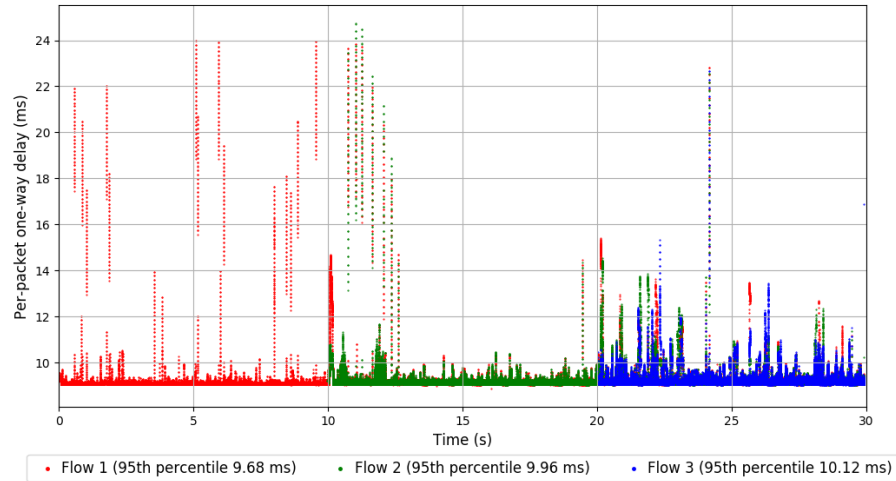
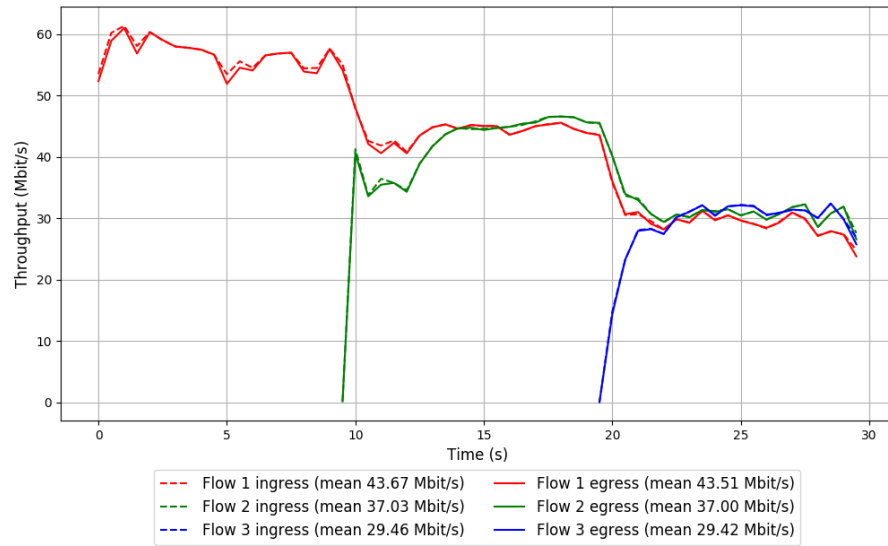
-- Flow 3:

Average throughput: 29.42 Mbit/s

95th percentile per-packet one-way delay: 10.117 ms

Loss rate: 0.31%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:39:26 +0000

End at: Mon, 10 Jul 2017 00:39:56 +0000

Local clock offset: 3.009 ms

Remote clock offset: -19.989 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:45:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 10.128 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 9.826 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 37.63 Mbit/s

95th percentile per-packet one-way delay: 10.230 ms

Loss rate: 0.27%

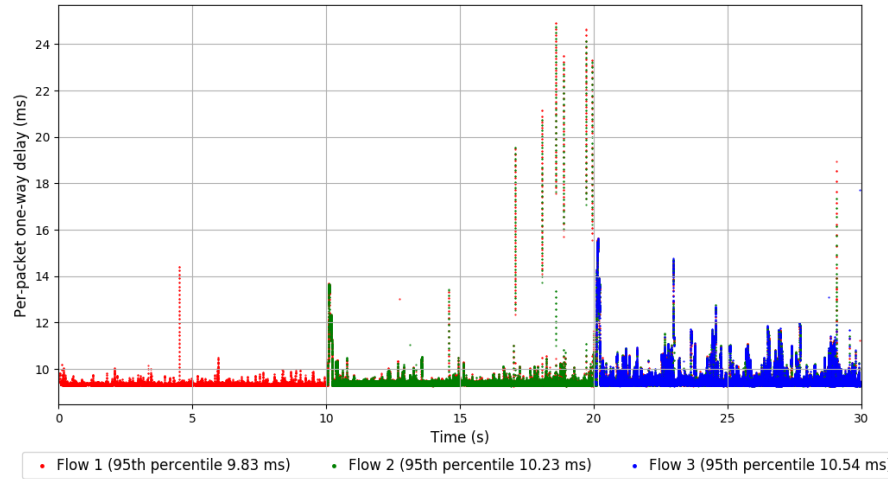
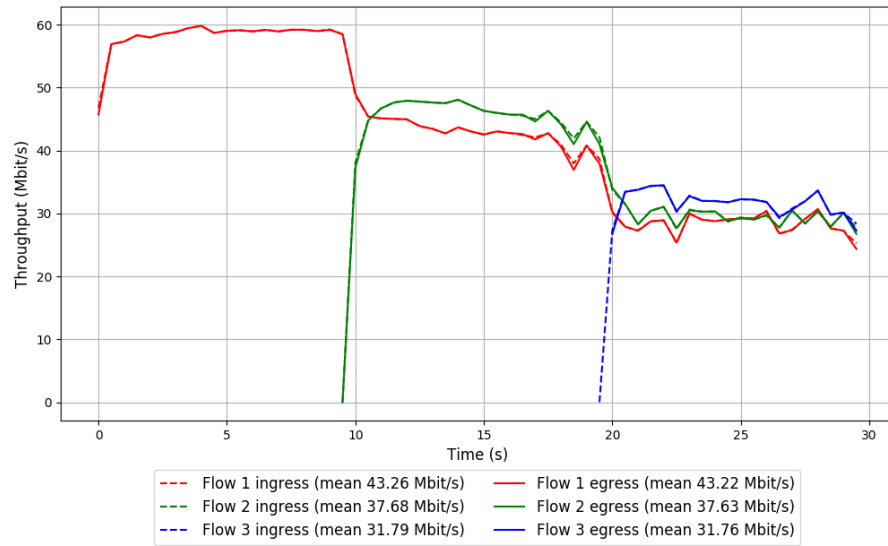
-- Flow 3:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 10.544 ms

Loss rate: 0.26%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:57:30 +0000

End at: Mon, 10 Jul 2017 00:58:00 +0000

Local clock offset: 4.813 ms

Remote clock offset: -19.866 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:45:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 15.619 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 43.93 Mbit/s

95th percentile per-packet one-way delay: 15.302 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 15.719 ms

Loss rate: 0.17%

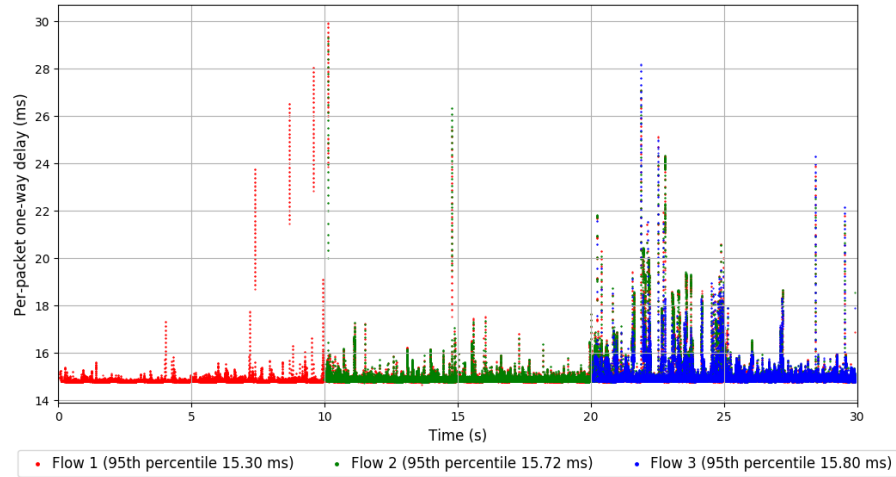
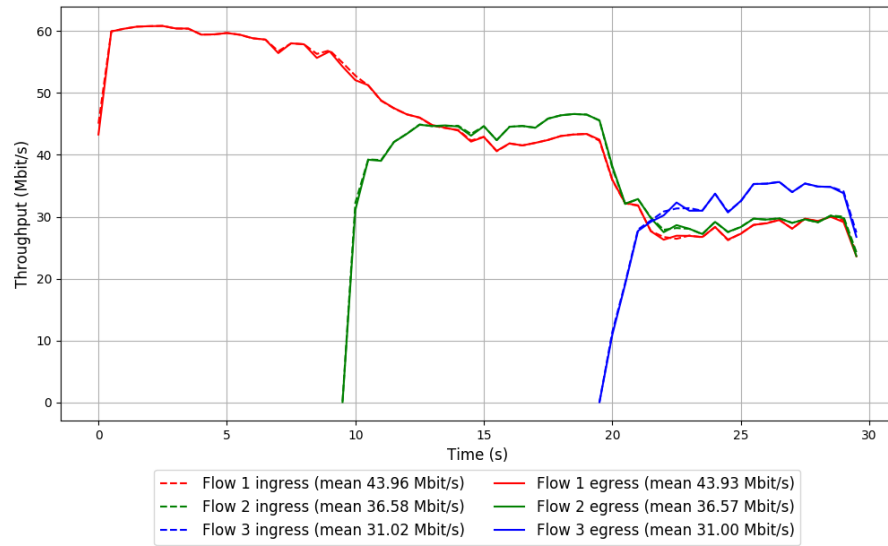
-- Flow 3:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 15.804 ms

Loss rate: 0.37%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Mon, 10 Jul 2017 01:15:39 +0000

End at: Mon, 10 Jul 2017 01:16:09 +0000

Local clock offset: 0.855 ms

Remote clock offset: -19.786 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:45:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.69 Mbit/s

95th percentile per-packet one-way delay: 15.554 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 43.13 Mbit/s

95th percentile per-packet one-way delay: 15.206 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 37.88 Mbit/s

95th percentile per-packet one-way delay: 15.651 ms

Loss rate: 0.14%

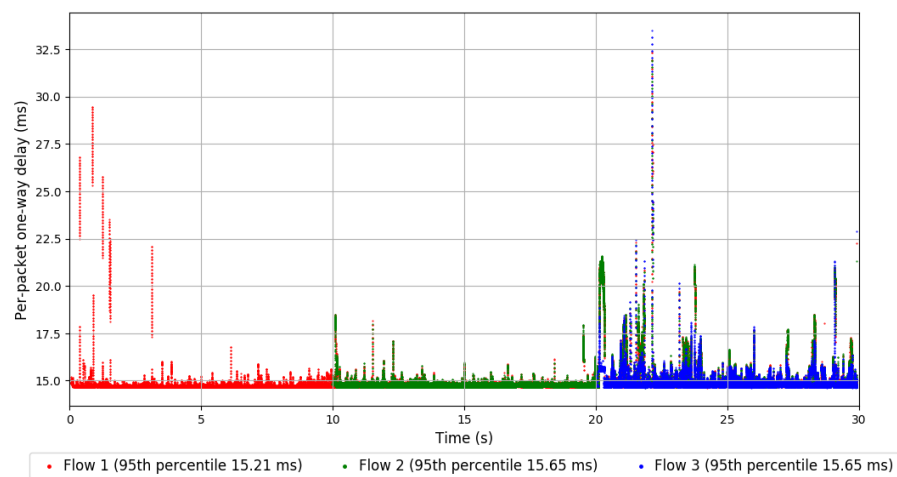
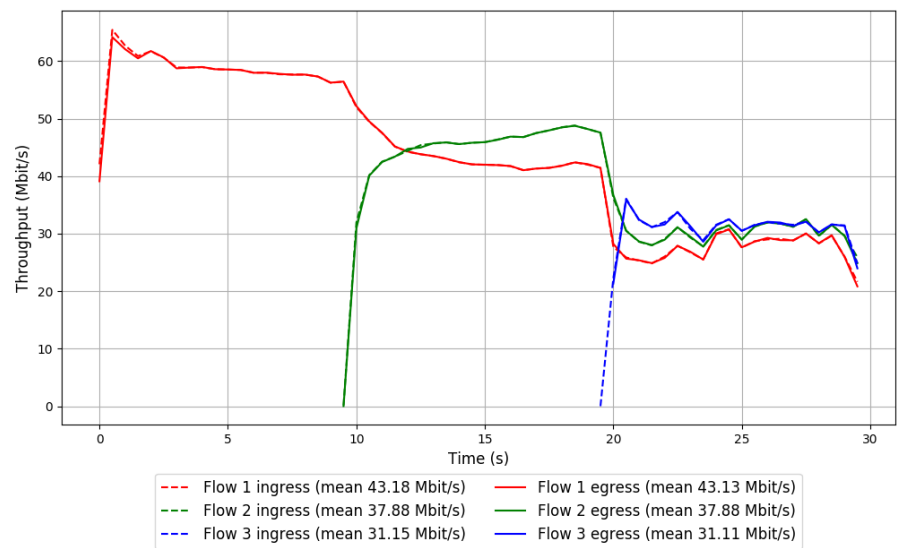
-- Flow 3:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 15.647 ms

Loss rate: 0.36%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Mon, 10 Jul 2017 01:34:11 +0000

End at: Mon, 10 Jul 2017 01:34:41 +0000

Local clock offset: -0.425 ms

Remote clock offset: -20.007 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:45:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 15.294 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 15.065 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 38.91 Mbit/s

95th percentile per-packet one-way delay: 15.509 ms

Loss rate: 0.27%

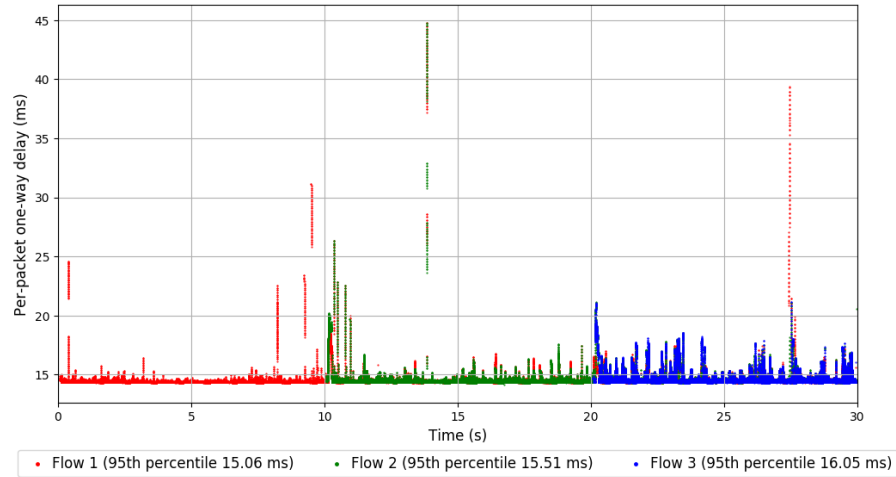
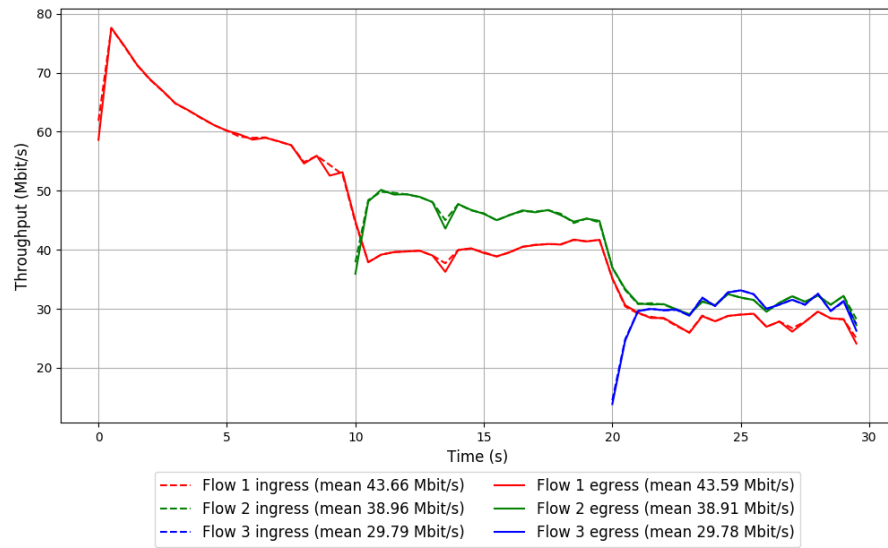
-- Flow 3:

Average throughput: 29.78 Mbit/s

95th percentile per-packet one-way delay: 16.053 ms

Loss rate: 0.32%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Mon, 10 Jul 2017 01:52:22 +0000

End at: Mon, 10 Jul 2017 01:52:52 +0000

Local clock offset: 3.697 ms

Remote clock offset: -21.709 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:45:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.07 Mbit/s

95th percentile per-packet one-way delay: 10.680 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 43.89 Mbit/s

95th percentile per-packet one-way delay: 10.517 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 37.88 Mbit/s

95th percentile per-packet one-way delay: 10.770 ms

Loss rate: 0.09%

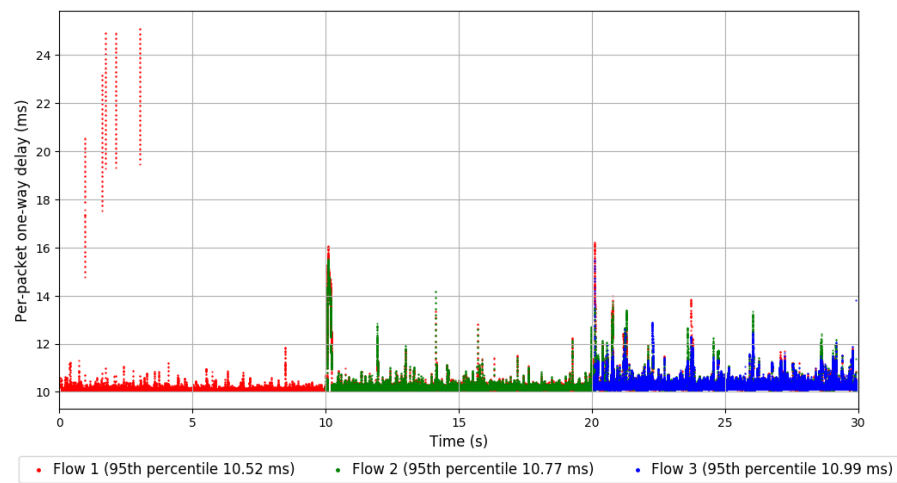
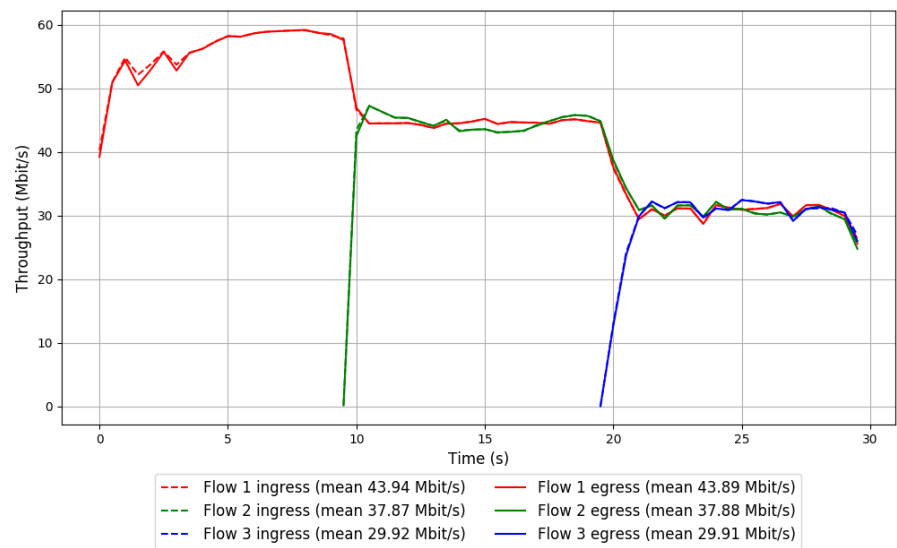
-- Flow 3:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 10.989 ms

Loss rate: 0.27%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:58:28 +0000

End at: Sun, 09 Jul 2017 22:58:58 +0000

Local clock offset: 1.572 ms

Remote clock offset: -17.063 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.83 Mbit/s

95th percentile per-packet one-way delay: 49.139 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 59.35 Mbit/s

95th percentile per-packet one-way delay: 48.460 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 40.41 Mbit/s

95th percentile per-packet one-way delay: 49.211 ms

Loss rate: 0.26%

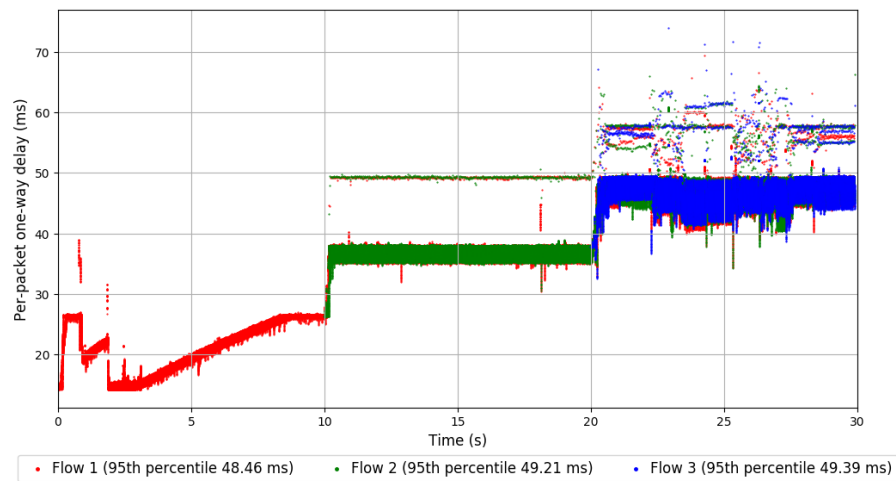
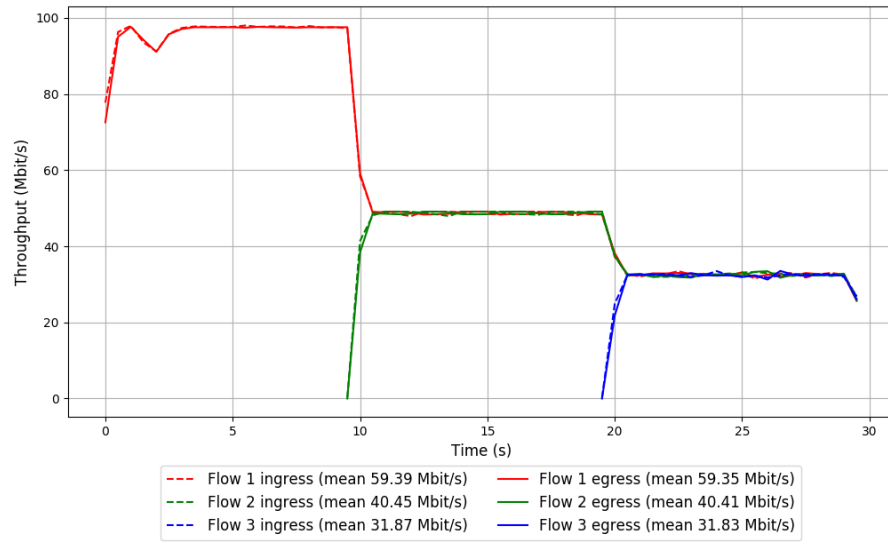
-- Flow 3:

Average throughput: 31.83 Mbit/s

95th percentile per-packet one-way delay: 49.387 ms

Loss rate: 0.65%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:16:24 +0000

End at: Sun, 09 Jul 2017 23:16:54 +0000

Local clock offset: 1.504 ms

Remote clock offset: -18.48 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 60.018 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 60.018 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 43.20 Mbit/s

95th percentile per-packet one-way delay: 60.086 ms

Loss rate: 0.26%

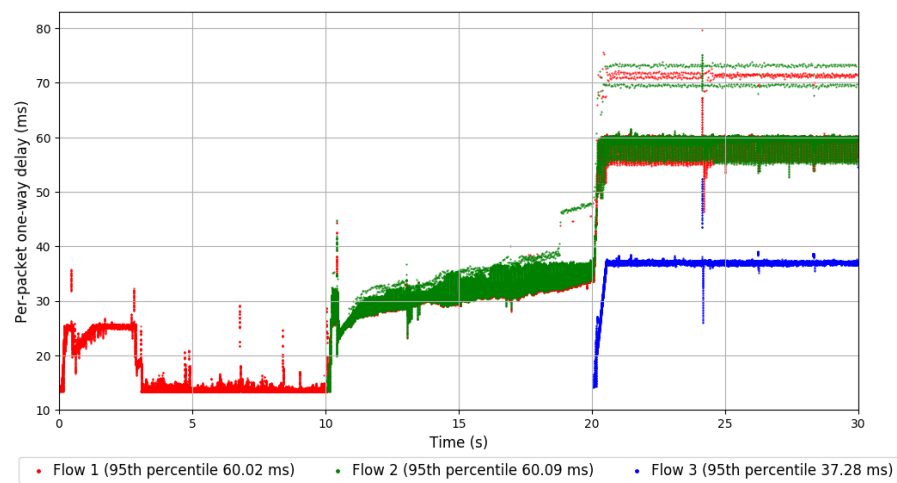
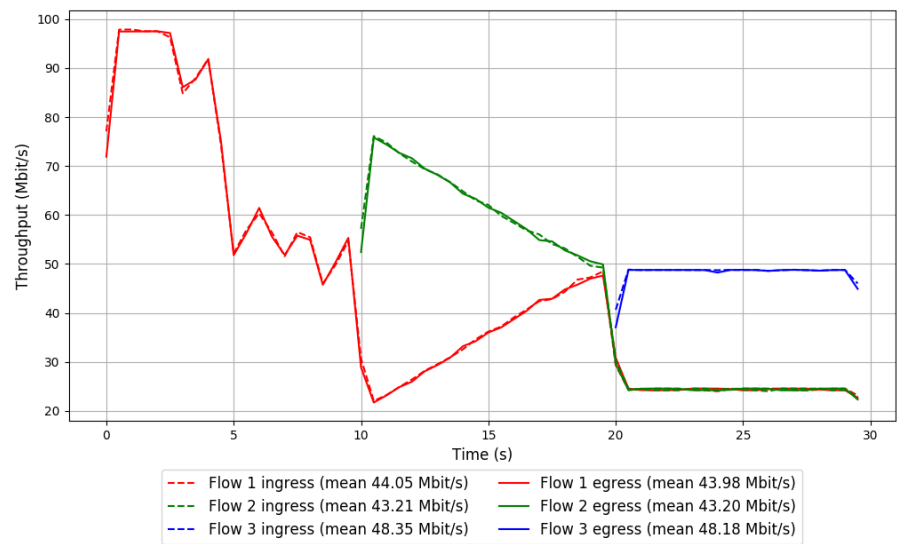
-- Flow 3:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 37.285 ms

Loss rate: 0.54%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:34:26 +0000

End at: Sun, 09 Jul 2017 23:34:56 +0000

Local clock offset: 2.547 ms

Remote clock offset: -18.964 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 47.738 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 56.93 Mbit/s

95th percentile per-packet one-way delay: 47.653 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 47.744 ms

Loss rate: 0.27%

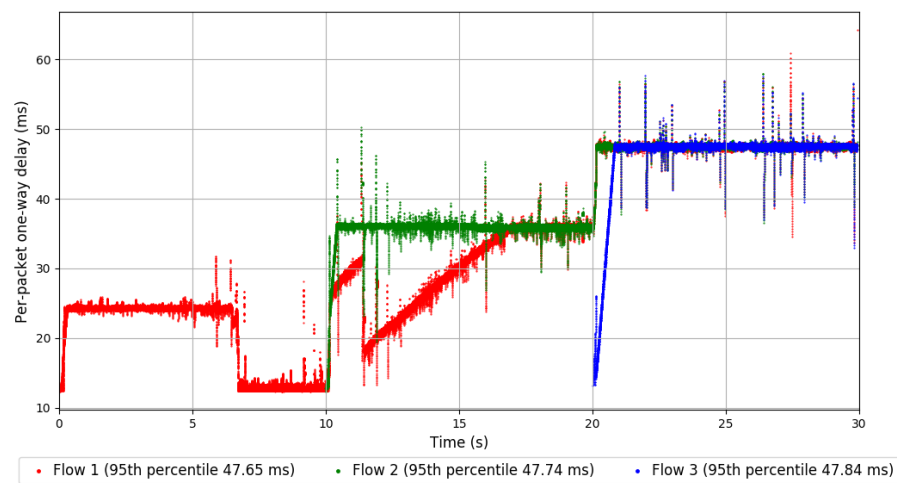
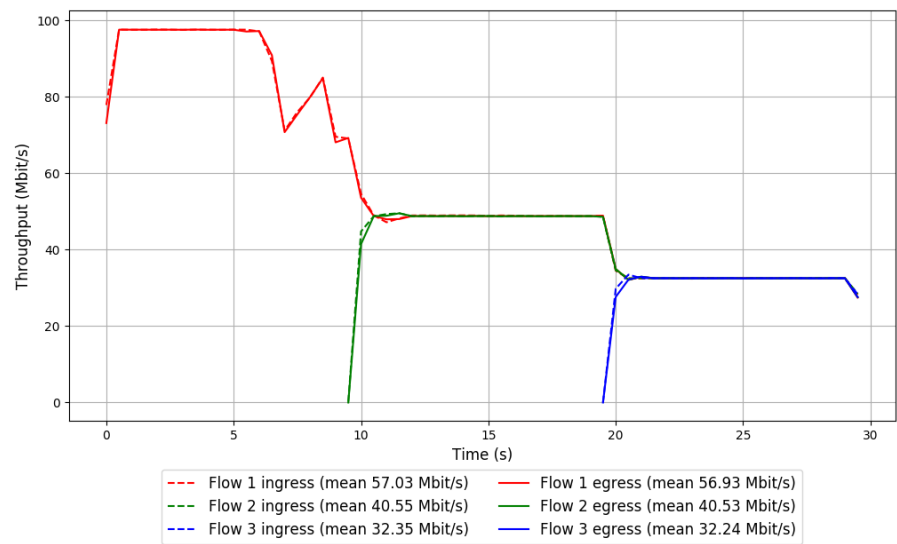
-- Flow 3:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 47.835 ms

Loss rate: 0.60%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:52:27 +0000

End at: Sun, 09 Jul 2017 23:52:57 +0000

Local clock offset: 1.688 ms

Remote clock offset: -18.068 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 46.158 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 62.26 Mbit/s

95th percentile per-packet one-way delay: 45.947 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 44.83 Mbit/s

95th percentile per-packet one-way delay: 46.186 ms

Loss rate: 0.24%

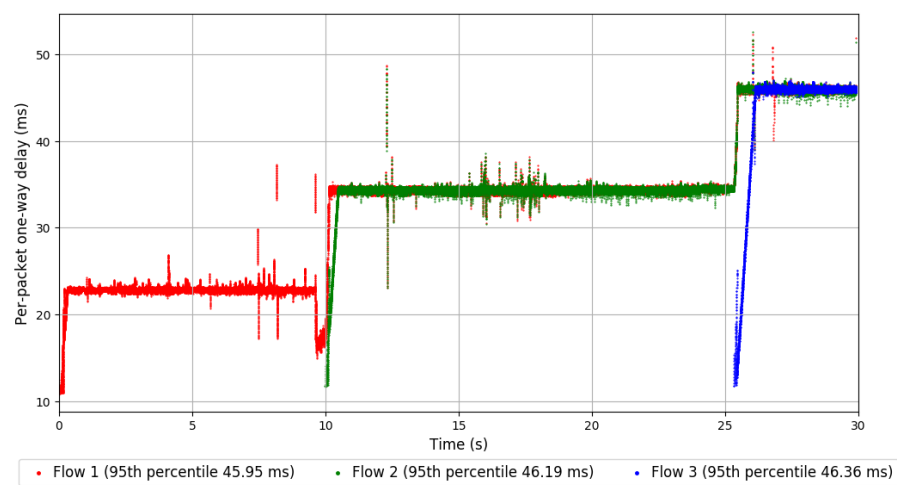
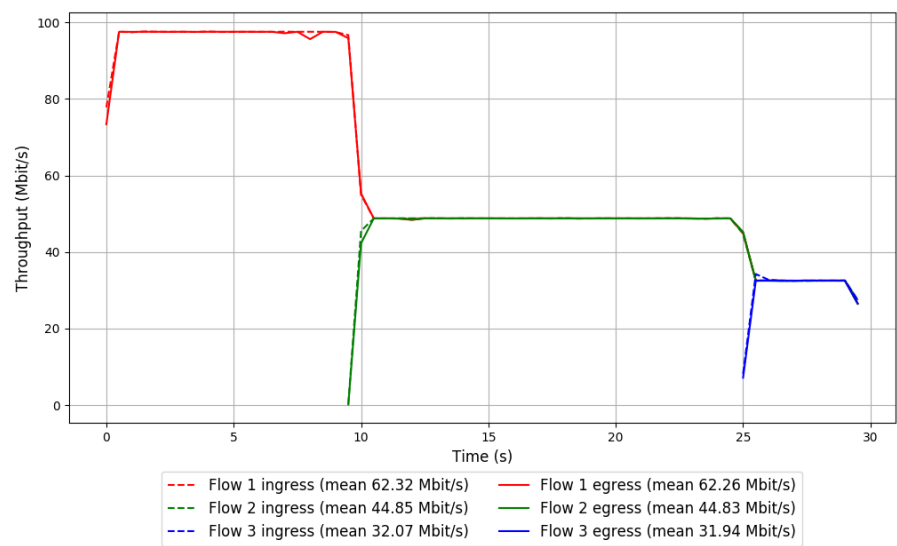
-- Flow 3:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 46.363 ms

Loss rate: 1.33%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 00:10:40 +0000

End at: Mon, 10 Jul 2017 00:11:10 +0000

Local clock offset: 2.696 ms

Remote clock offset: -17.706 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 56.304 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 51.67 Mbit/s

95th percentile per-packet one-way delay: 56.289 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 56.399 ms

Loss rate: 0.27%

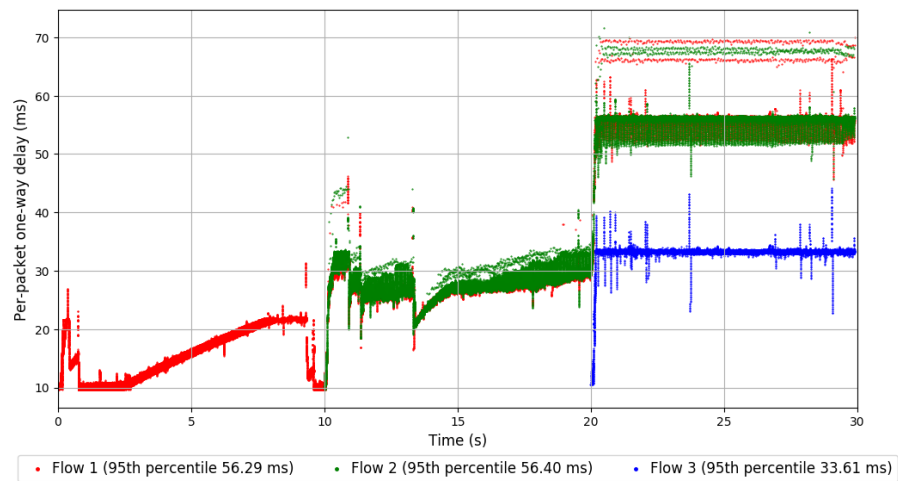
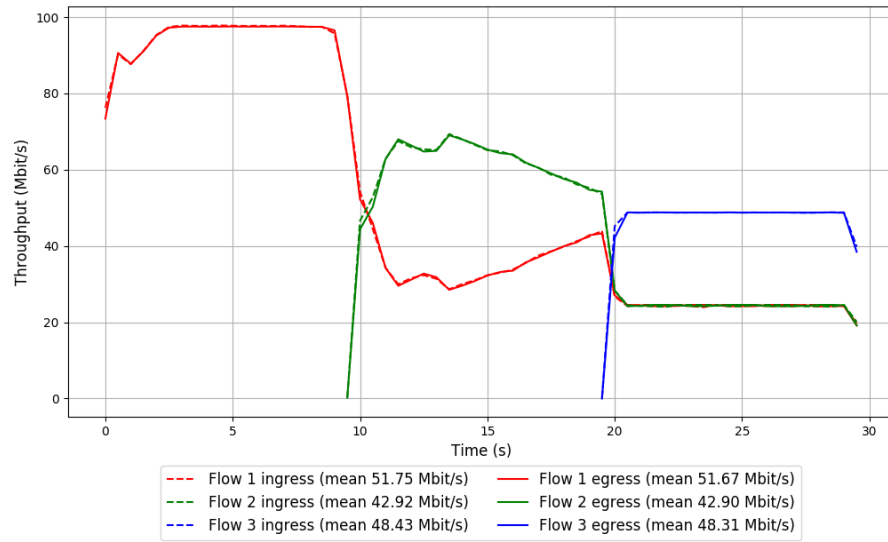
-- Flow 3:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 33.607 ms

Loss rate: 0.49%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 00:28:45 +0000

End at: Mon, 10 Jul 2017 00:29:15 +0000

Local clock offset: 0.42 ms

Remote clock offset: -19.451 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 44.169 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 44.056 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 44.218 ms

Loss rate: 0.97%

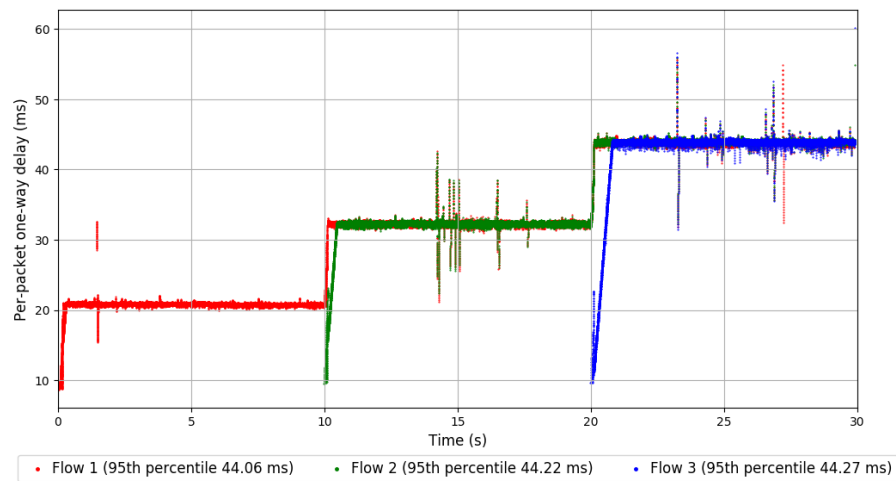
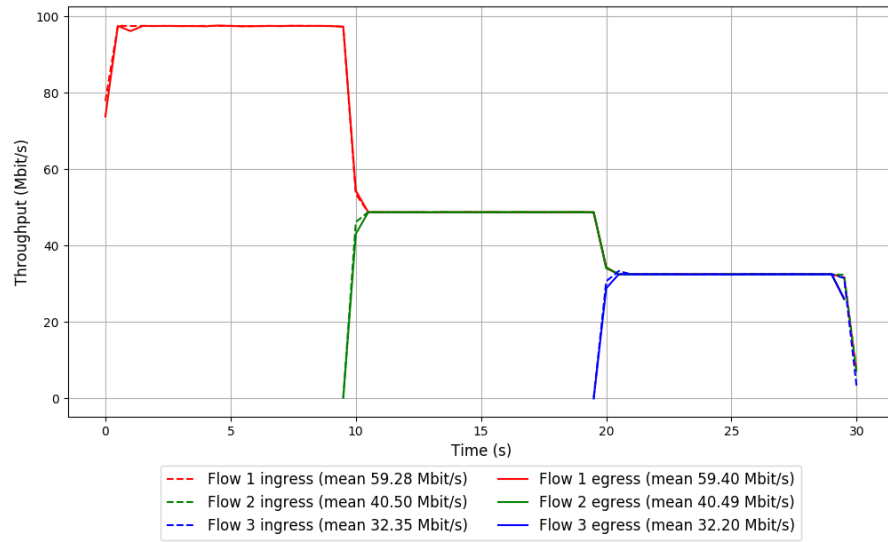
-- Flow 3:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 44.272 ms

Loss rate: 1.75%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 00:46:47 +0000

End at: Mon, 10 Jul 2017 00:47:17 +0000

Local clock offset: 3.258 ms

Remote clock offset: -20.023 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 57.422 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 55.790 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 60.143 ms

Loss rate: 0.72%

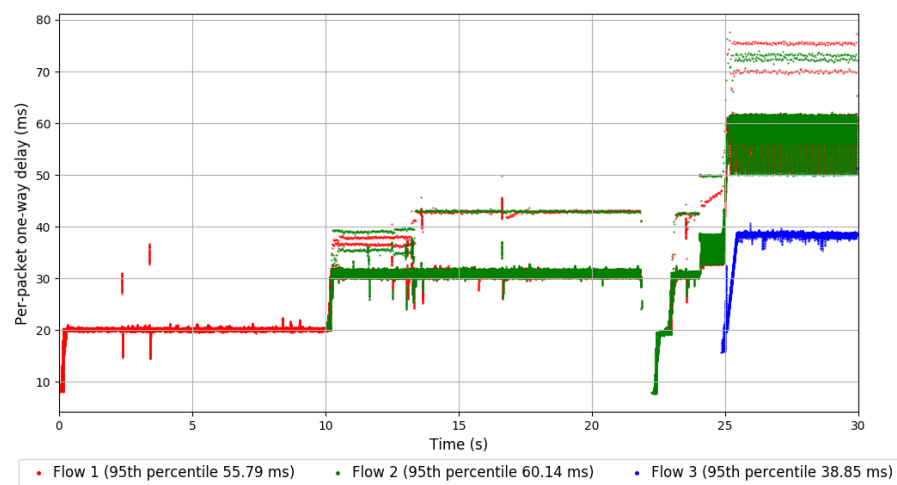
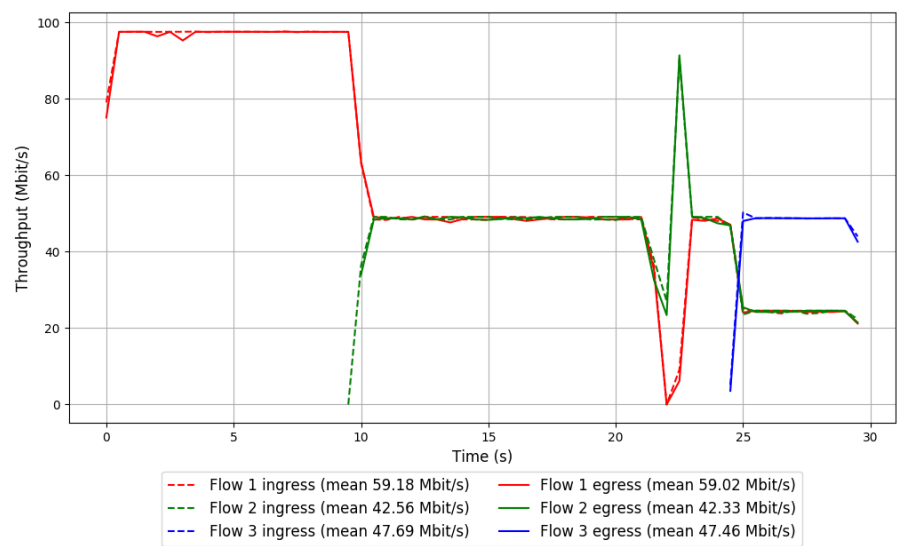
-- Flow 3:

Average throughput: 47.46 Mbit/s

95th percentile per-packet one-way delay: 38.847 ms

Loss rate: 1.05%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:05:00 +0000

End at: Mon, 10 Jul 2017 01:05:30 +0000

Local clock offset: 0.949 ms

Remote clock offset: -20.554 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:46:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 60.863 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 38.668 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 37.69 Mbit/s

95th percentile per-packet one-way delay: 61.209 ms

Loss rate: 0.30%

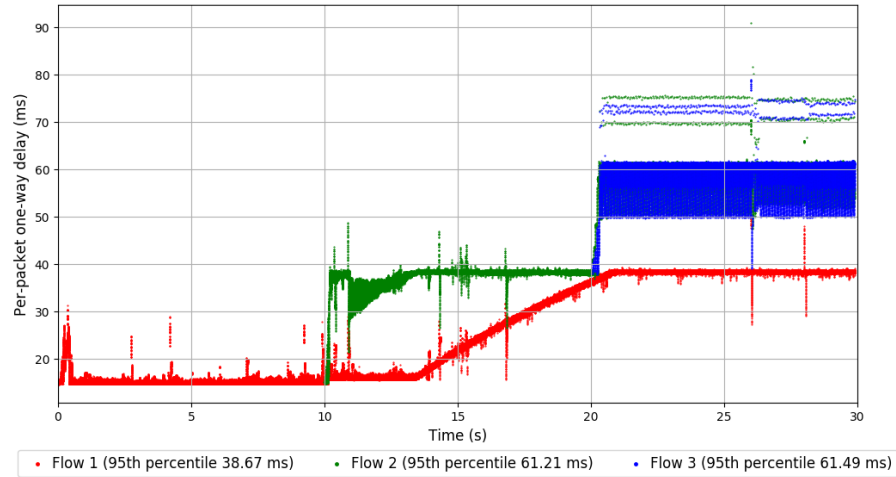
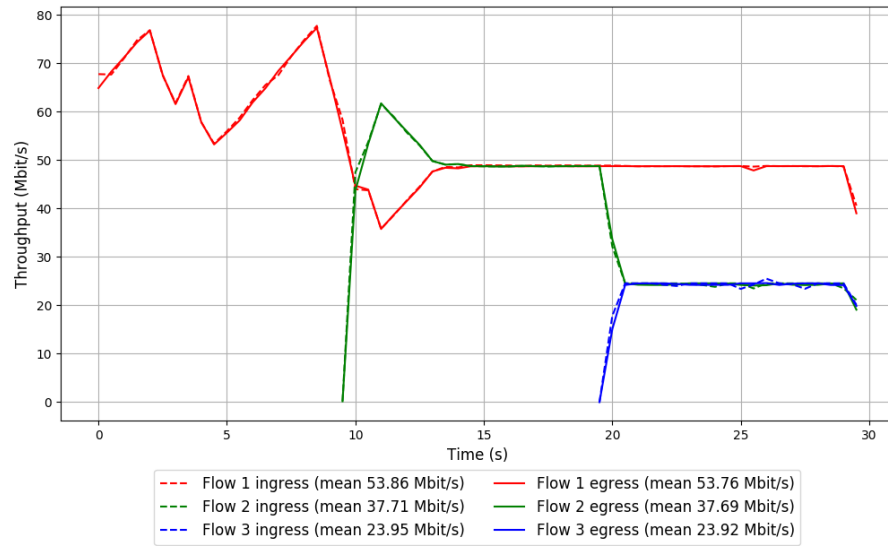
-- Flow 3:

Average throughput: 23.92 Mbit/s

95th percentile per-packet one-way delay: 61.495 ms

Loss rate: 0.66%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:23:22 +0000

End at: Mon, 10 Jul 2017 01:23:52 +0000

Local clock offset: 0.536 ms

Remote clock offset: -19.856 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 50.100 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 50.048 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 50.133 ms

Loss rate: 0.32%

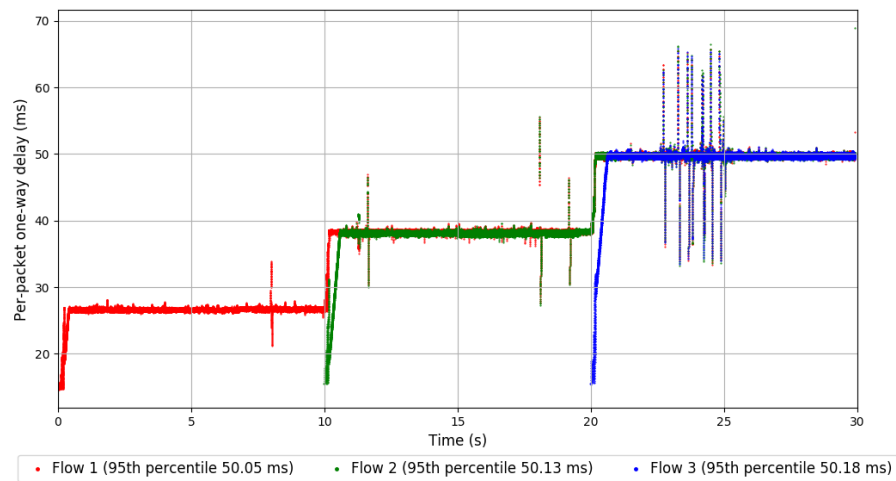
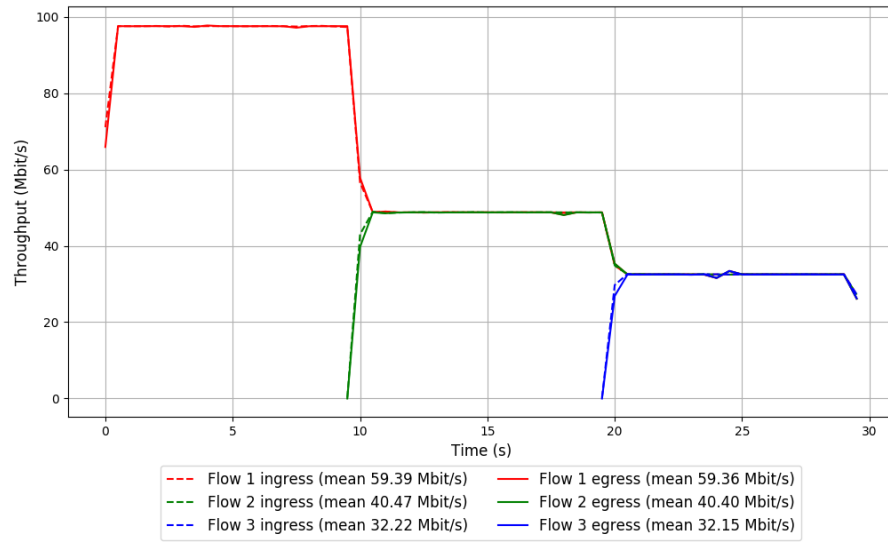
-- Flow 3:

Average throughput: 32.15 Mbit/s

95th percentile per-packet one-way delay: 50.176 ms

Loss rate: 0.67%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:41:33 +0000

End at: Mon, 10 Jul 2017 01:42:03 +0000

Local clock offset: 0.541 ms

Remote clock offset: -22.417 ms

Run 10: Report of TCP Cubic — Data Link

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Run 1: Statistics of KohoCC

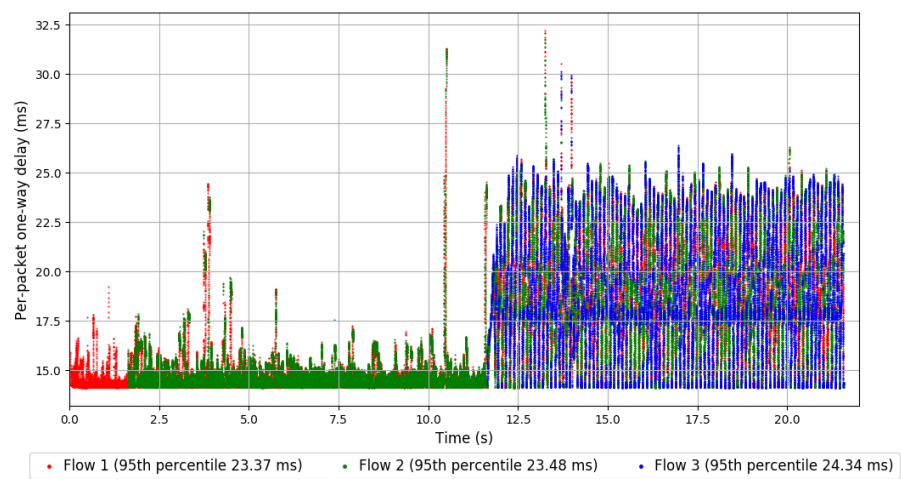
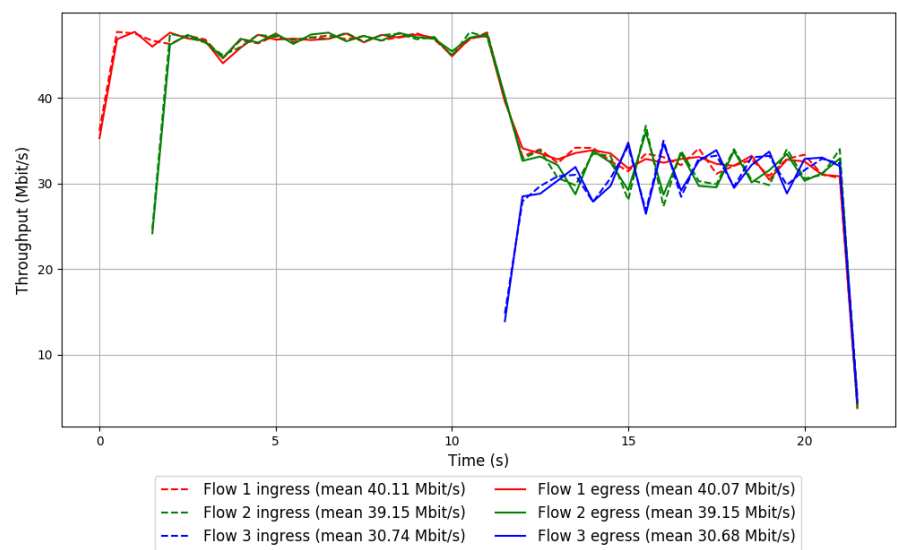
Start at: Sun, 09 Jul 2017 23:00:48 +0000

End at: Sun, 09 Jul 2017 23:01:18 +0000

Local clock offset: -2.371 ms

Remote clock offset: -21.977 ms

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 23:18:43 +0000

End at: Sun, 09 Jul 2017 23:19:14 +0000

Local clock offset: -0.569 ms

Remote clock offset: -17.28 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 23.792 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 22.678 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 23.847 ms

Loss rate: 0.12%

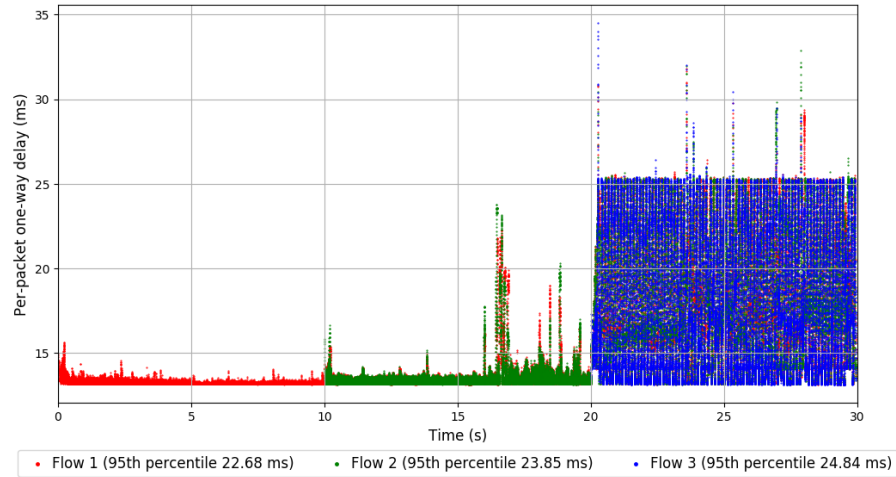
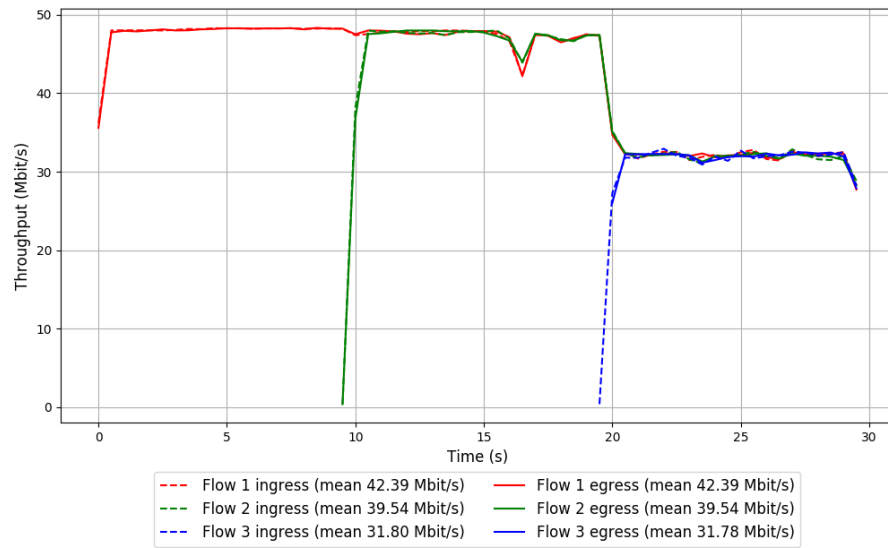
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 24.842 ms

Loss rate: 0.26%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 23:36:45 +0000

End at: Sun, 09 Jul 2017 23:37:15 +0000

Local clock offset: 1.325 ms

Remote clock offset: -17.448 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 22.841 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 21.728 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 22.881 ms

Loss rate: 0.17%

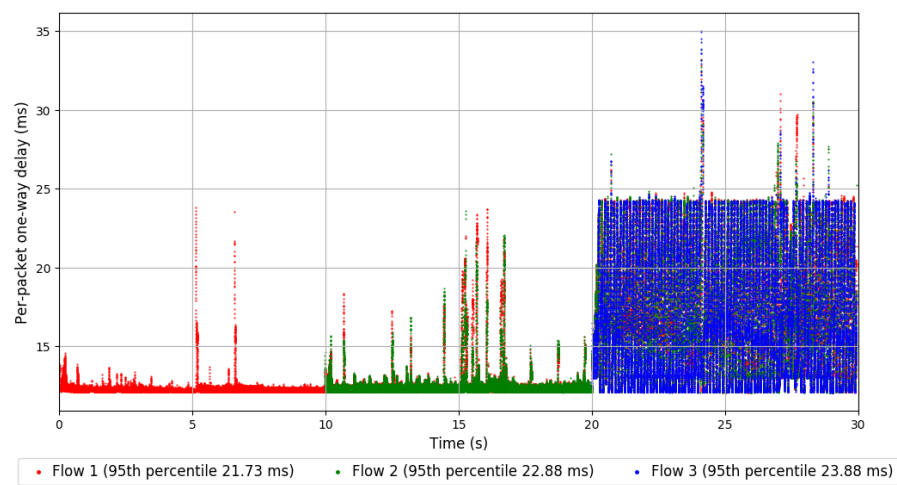
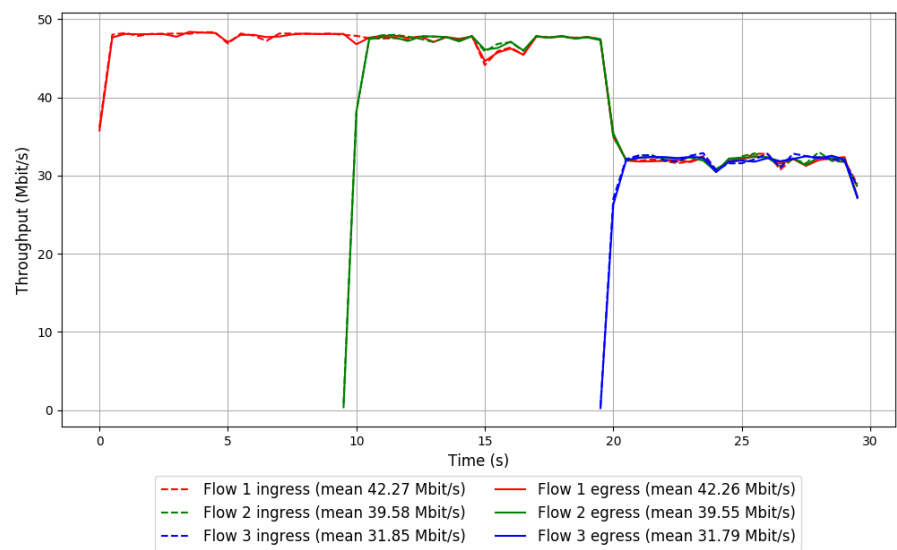
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 23.878 ms

Loss rate: 0.43%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 23:54:46 +0000

End at: Sun, 09 Jul 2017 23:55:16 +0000

Local clock offset: 1.98 ms

Remote clock offset: -18.318 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 19.252 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 19.590 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 20.027 ms

Loss rate: 0.16%

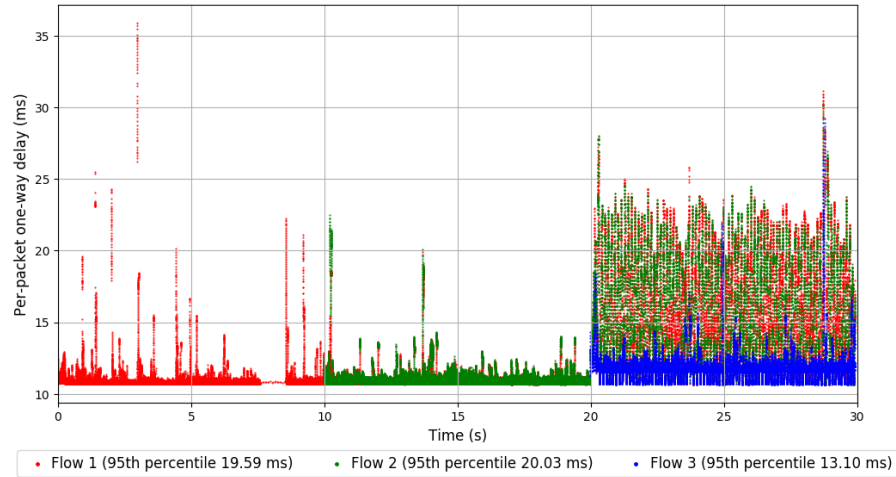
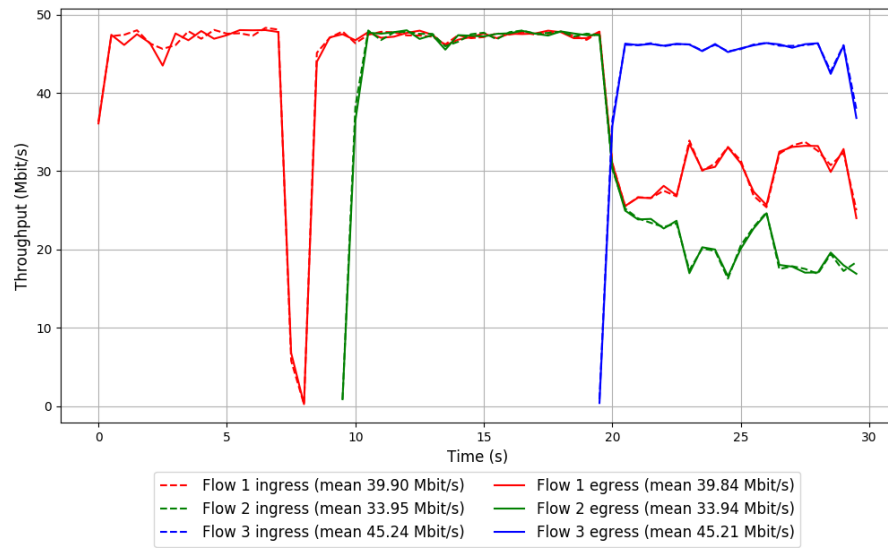
-- Flow 3:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 13.103 ms

Loss rate: 0.28%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 00:12:59 +0000

End at: Mon, 10 Jul 2017 00:13:29 +0000

Local clock offset: 2.214 ms

Remote clock offset: -17.909 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.31 Mbit/s

95th percentile per-packet one-way delay: 20.025 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 42.36 Mbit/s

95th percentile per-packet one-way delay: 18.925 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.64 Mbit/s

95th percentile per-packet one-way delay: 20.080 ms

Loss rate: 0.12%

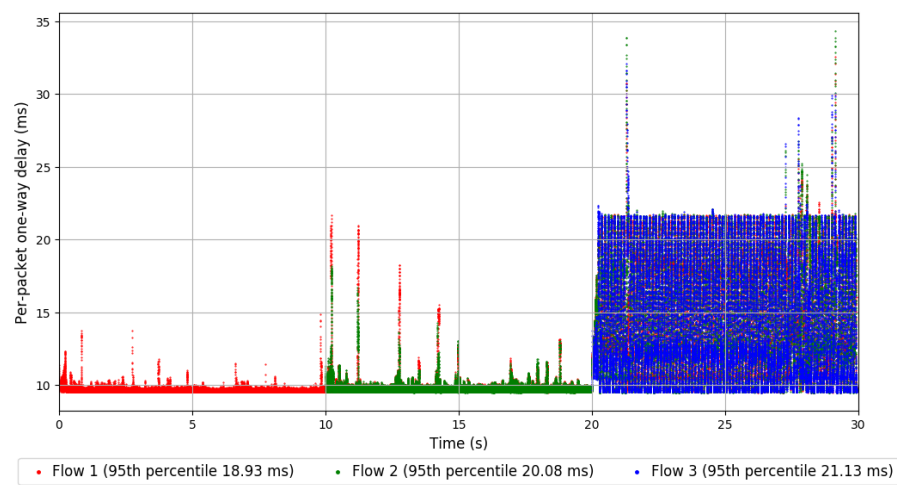
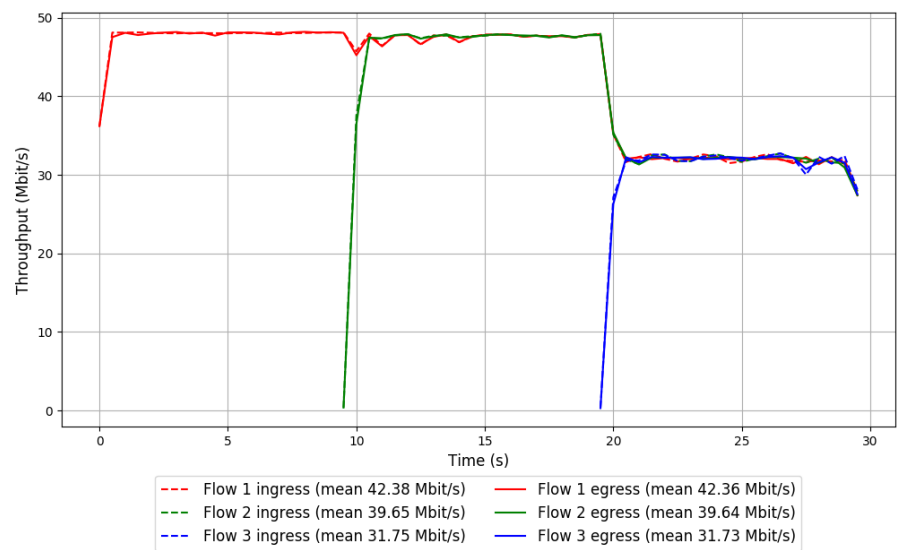
-- Flow 3:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 21.133 ms

Loss rate: 0.32%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 00:31:06 +0000

End at: Mon, 10 Jul 2017 00:31:36 +0000

Local clock offset: 2.605 ms

Remote clock offset: -18.701 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 18.977 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 42.38 Mbit/s

95th percentile per-packet one-way delay: 17.859 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 19.143 ms

Loss rate: 0.09%

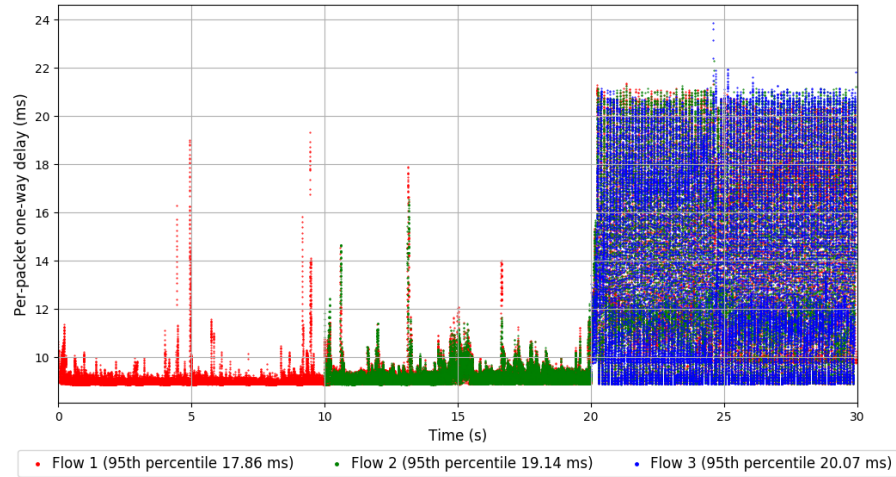
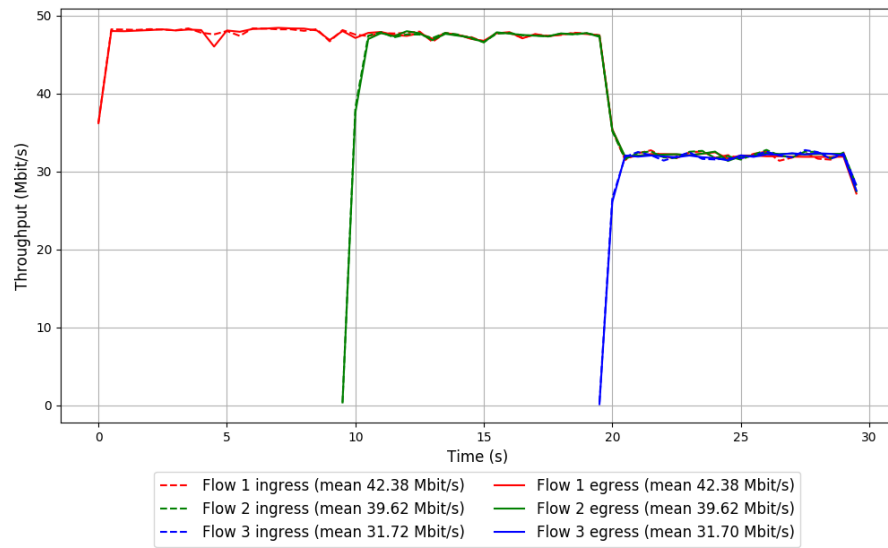
-- Flow 3:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 20.071 ms

Loss rate: 0.23%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 00:49:10 +0000

End at: Mon, 10 Jul 2017 00:49:40 +0000

Local clock offset: 3.612 ms

Remote clock offset: -20.39 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.62 Mbit/s

95th percentile per-packet one-way delay: 18.127 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 47.06 Mbit/s

95th percentile per-packet one-way delay: 10.621 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 19.380 ms

Loss rate: 0.16%

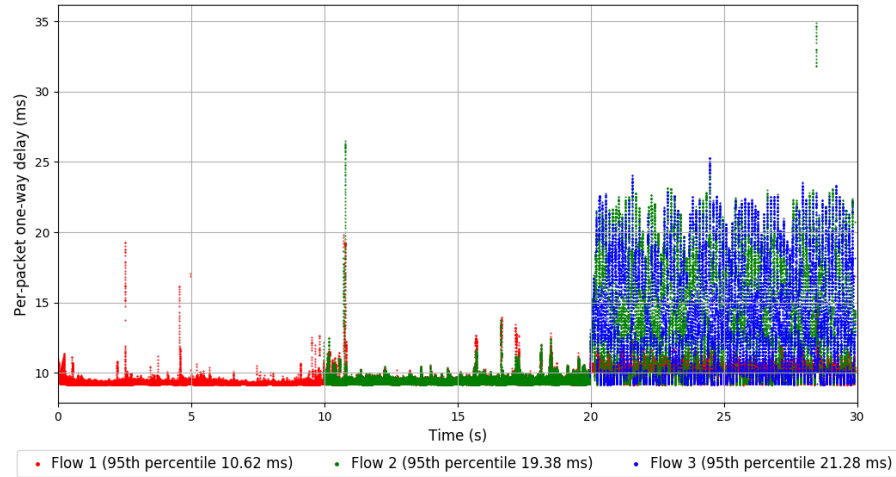
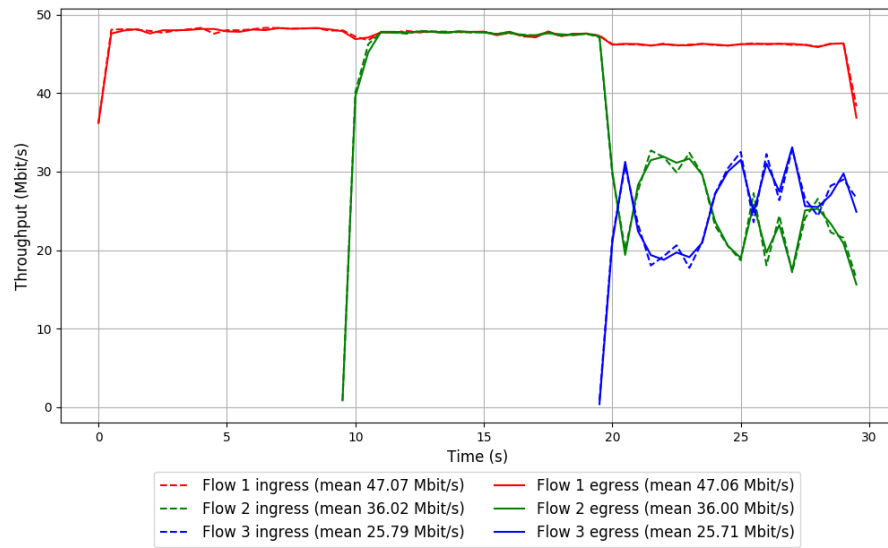
-- Flow 3:

Average throughput: 25.71 Mbit/s

95th percentile per-packet one-way delay: 21.276 ms

Loss rate: 0.43%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 01:07:18 +0000

End at: Mon, 10 Jul 2017 01:07:48 +0000

Local clock offset: 3.508 ms

Remote clock offset: -20.345 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 21.154 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 21.043 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 35.30 Mbit/s

95th percentile per-packet one-way delay: 21.167 ms

Loss rate: 0.14%

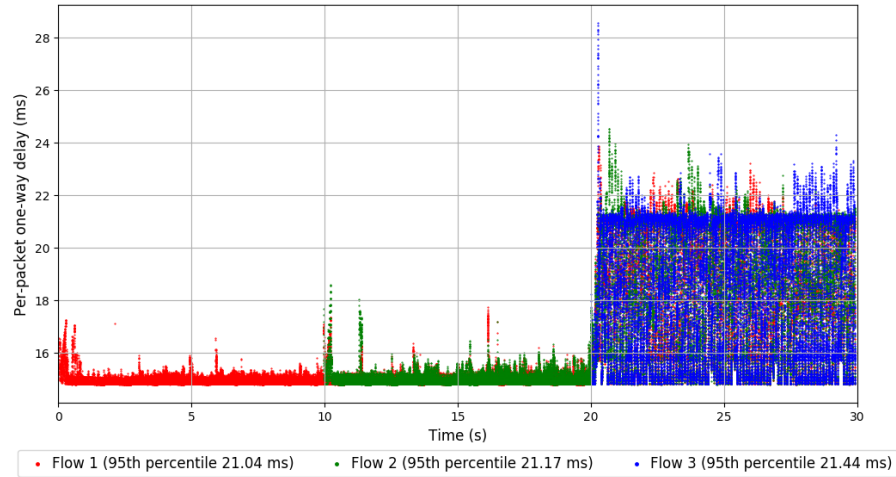
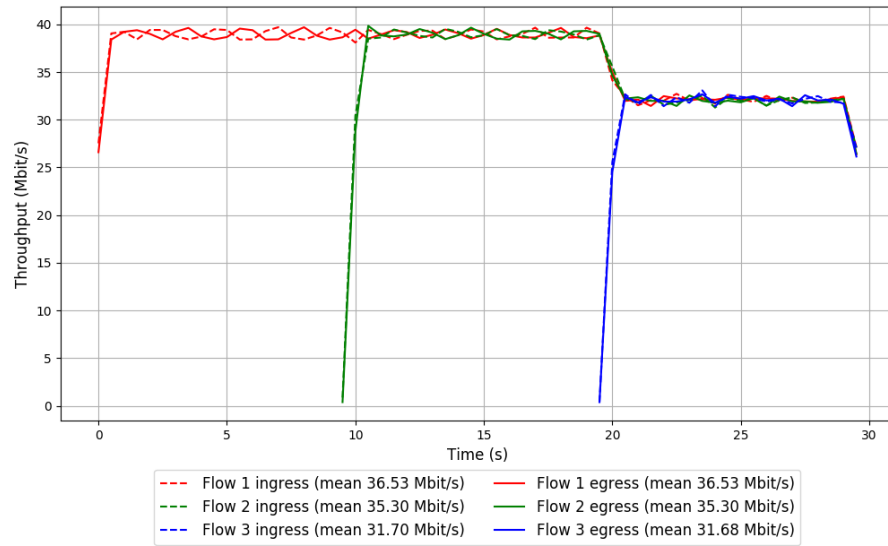
-- Flow 3:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 21.439 ms

Loss rate: 0.34%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 01:25:44 +0000

End at: Mon, 10 Jul 2017 01:26:14 +0000

Local clock offset: 2.976 ms

Remote clock offset: -21.376 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 23.309 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 23.535 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 23.783 ms

Loss rate: 0.26%

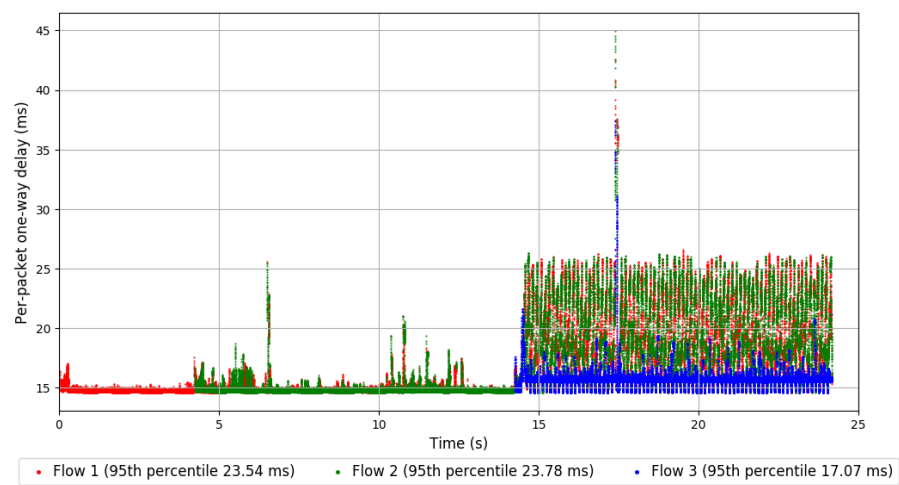
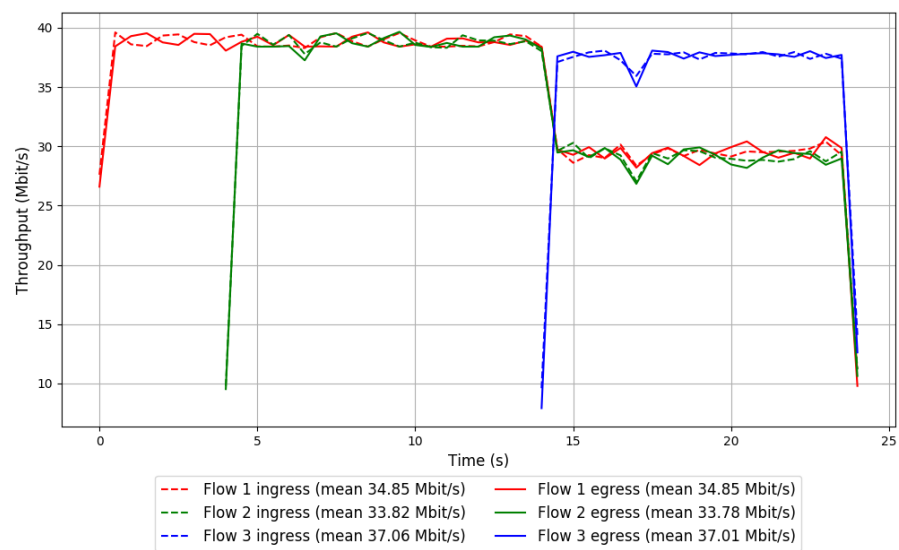
-- Flow 3:

Average throughput: 37.01 Mbit/s

95th percentile per-packet one-way delay: 17.075 ms

Loss rate: 0.38%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 01:43:49 +0000

End at: Mon, 10 Jul 2017 01:44:19 +0000

Local clock offset: -0.623 ms

Remote clock offset: -22.284 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 19.928 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 18.845 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.41 Mbit/s

95th percentile per-packet one-way delay: 19.827 ms

Loss rate: 0.14%

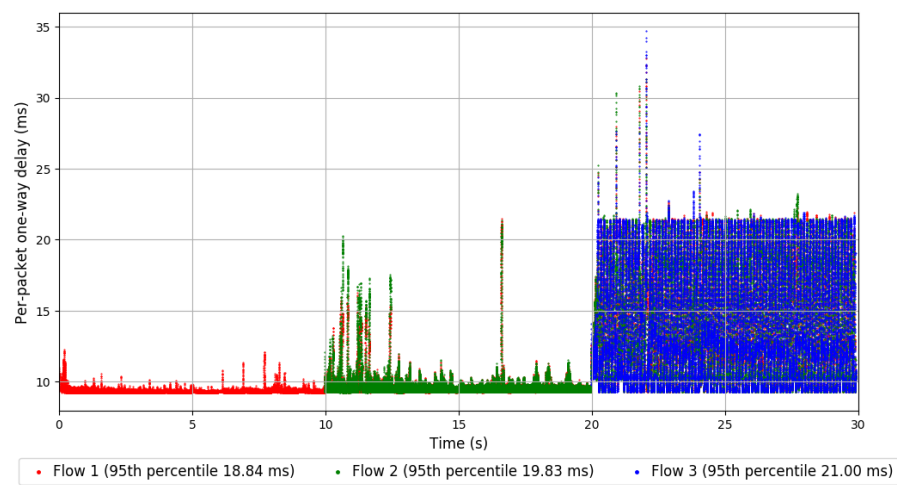
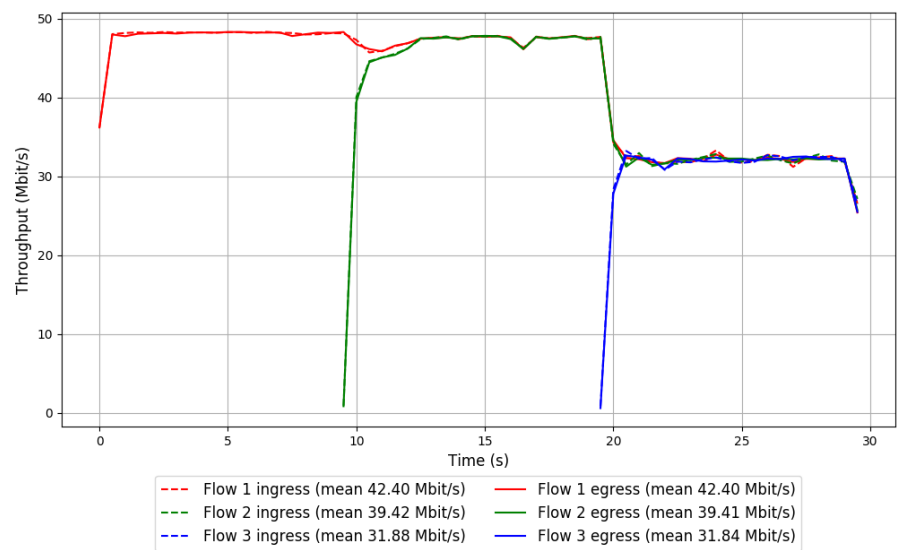
-- Flow 3:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 21.003 ms

Loss rate: 0.30%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:57:15 +0000

End at: Sun, 09 Jul 2017 22:57:45 +0000

Local clock offset: 0.403 ms

Remote clock offset: -16.946 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 48.712 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 53.77 Mbit/s

95th percentile per-packet one-way delay: 40.623 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 48.278 ms

Loss rate: 0.30%

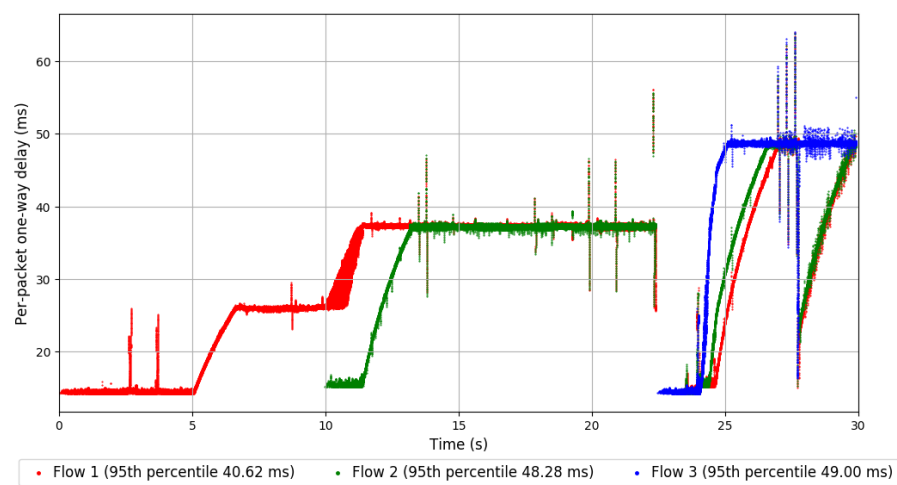
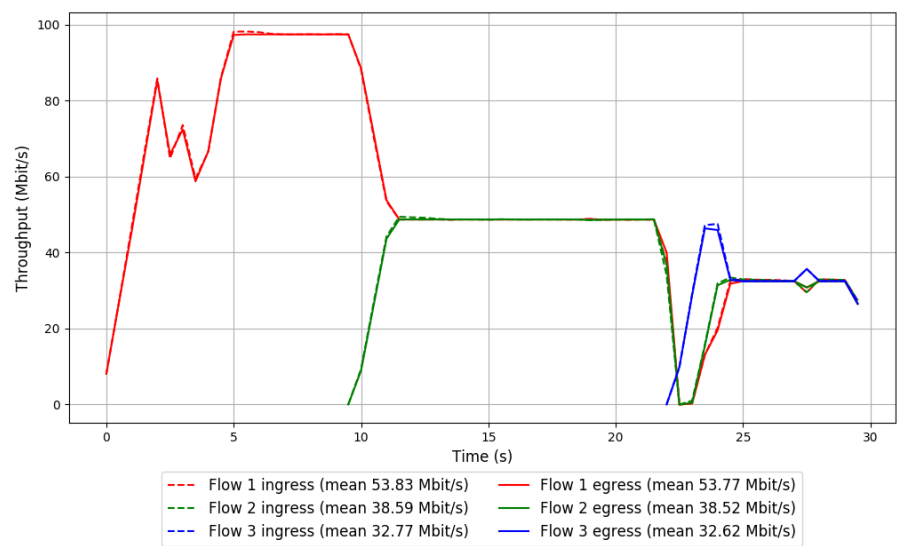
-- Flow 3:

Average throughput: 32.62 Mbit/s

95th percentile per-packet one-way delay: 49.002 ms

Loss rate: 0.79%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:15:13 +0000

End at: Sun, 09 Jul 2017 23:15:43 +0000

Local clock offset: 1.249 ms

Remote clock offset: -16.561 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.28 Mbit/s

95th percentile per-packet one-way delay: 48.084 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 30.72 Mbit/s

95th percentile per-packet one-way delay: 48.050 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 48.103 ms

Loss rate: 0.41%

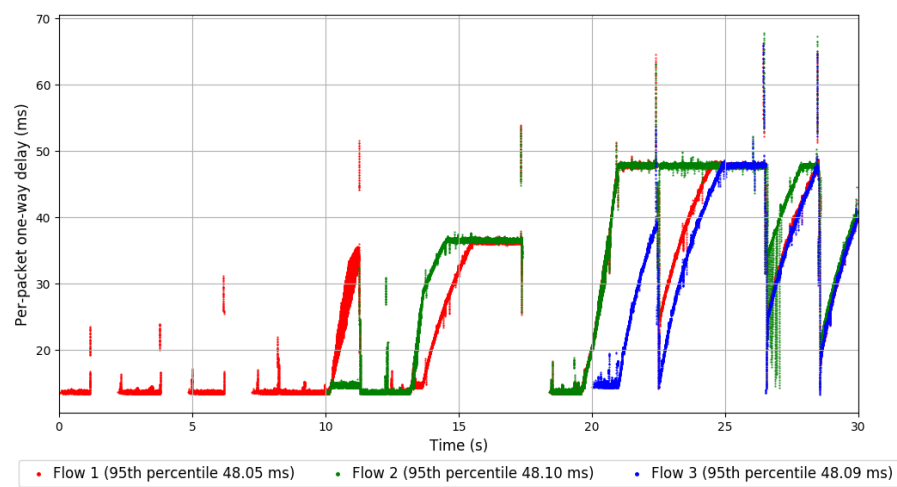
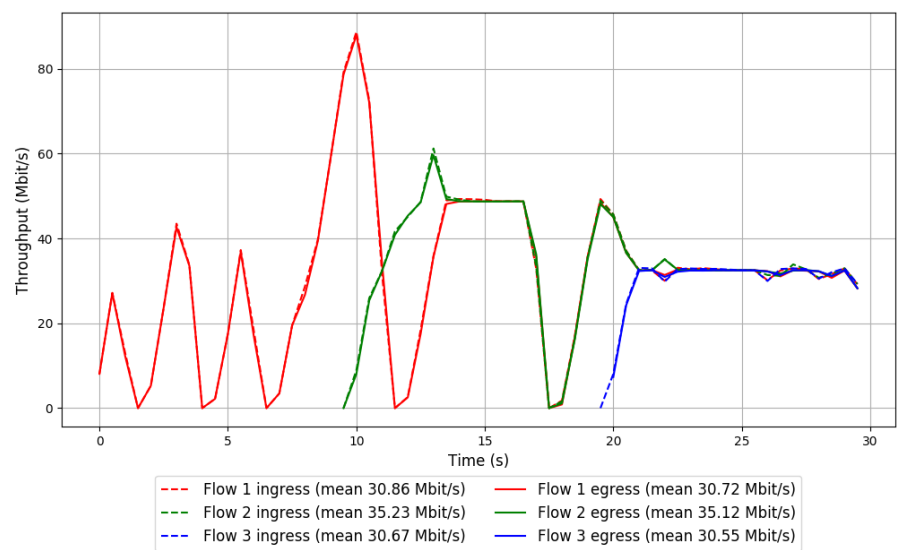
-- Flow 3:

Average throughput: 30.55 Mbit/s

95th percentile per-packet one-way delay: 48.094 ms

Loss rate: 0.62%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:33:11 +0000

End at: Sun, 09 Jul 2017 23:33:41 +0000

Local clock offset: 1.148 ms

Remote clock offset: -18.512 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 46.065 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 45.153 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 46.345 ms

Loss rate: 0.48%

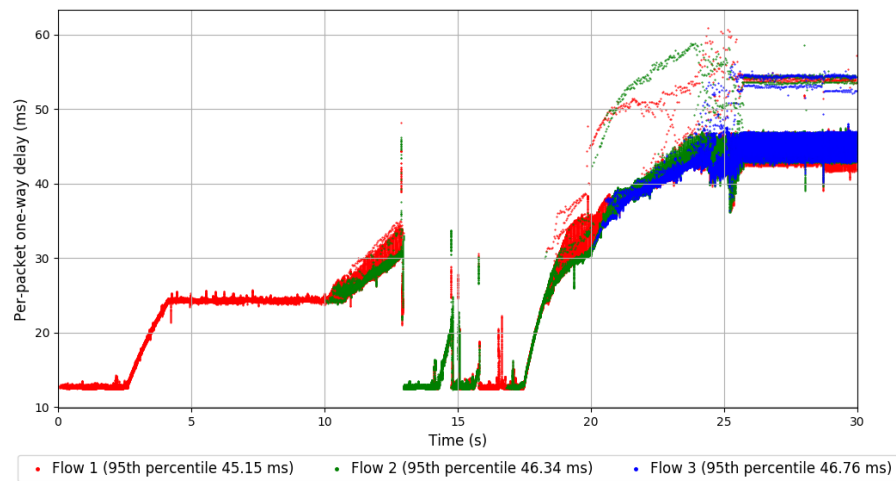
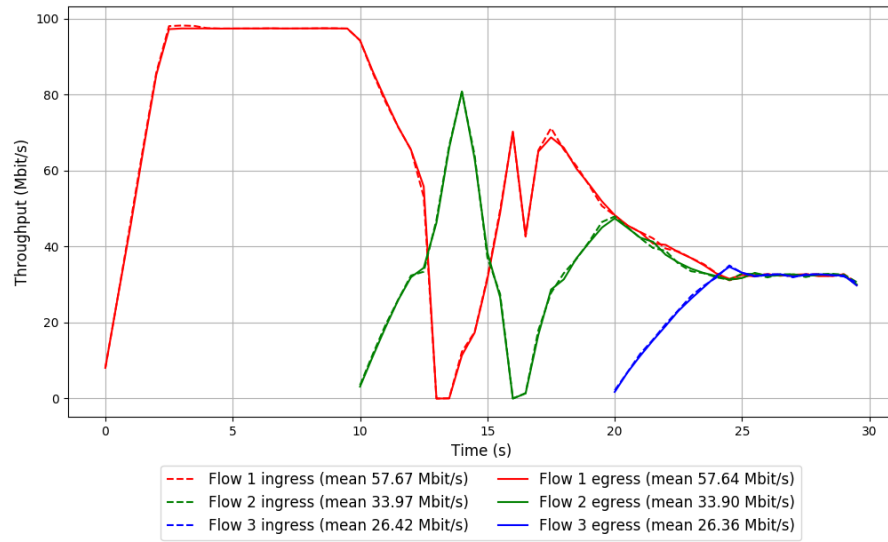
-- Flow 3:

Average throughput: 26.36 Mbit/s

95th percentile per-packet one-way delay: 46.764 ms

Loss rate: 0.67%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:51:15 +0000

End at: Sun, 09 Jul 2017 23:51:45 +0000

Local clock offset: 1.607 ms

Remote clock offset: -18.792 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.27 Mbit/s

95th percentile per-packet one-way delay: 45.636 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 44.70 Mbit/s

95th percentile per-packet one-way delay: 45.380 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 45.670 ms

Loss rate: 0.42%

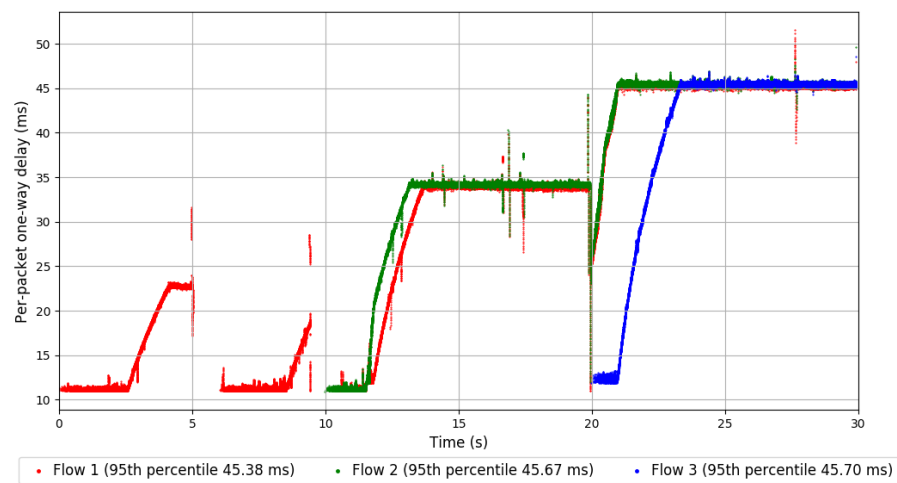
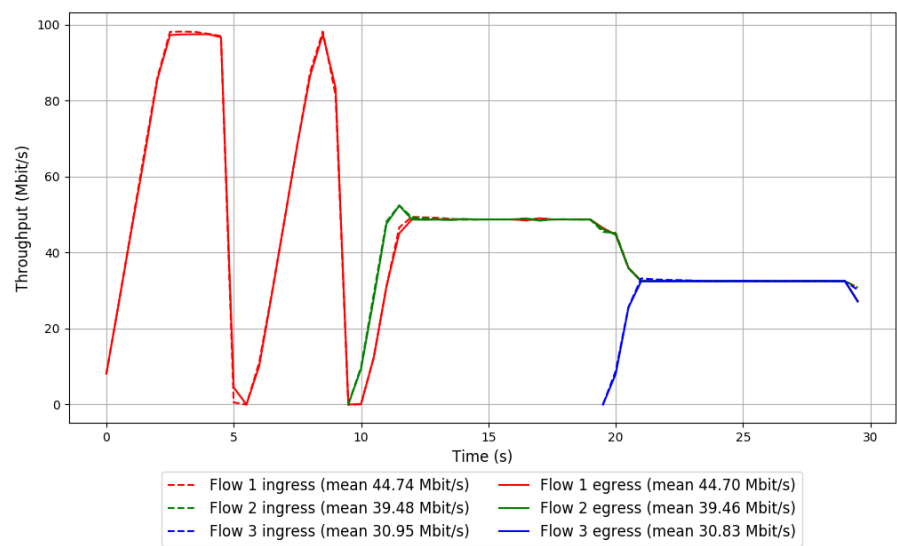
-- Flow 3:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 45.704 ms

Loss rate: 0.96%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 00:09:25 +0000

End at: Mon, 10 Jul 2017 00:09:55 +0000

Local clock offset: 4.636 ms

Remote clock offset: -20.091 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 44.381 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.77 Mbit/s

95th percentile per-packet one-way delay: 44.301 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 44.400 ms

Loss rate: 0.25%

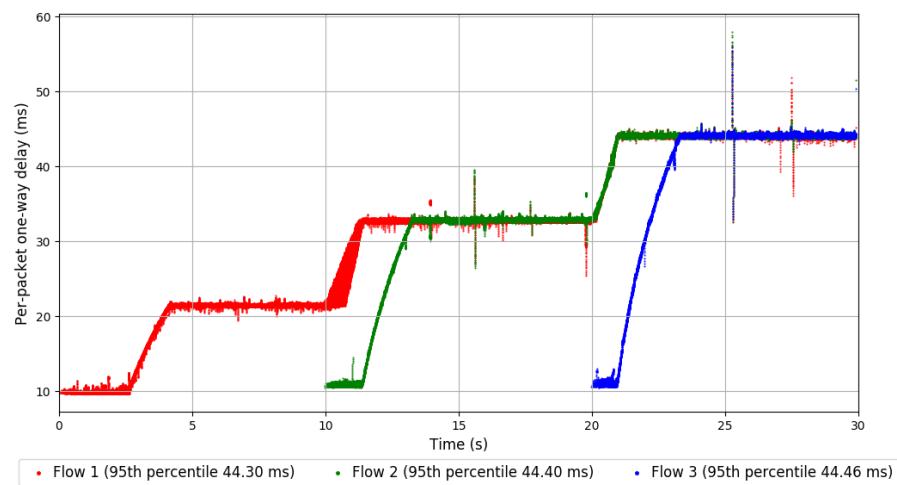
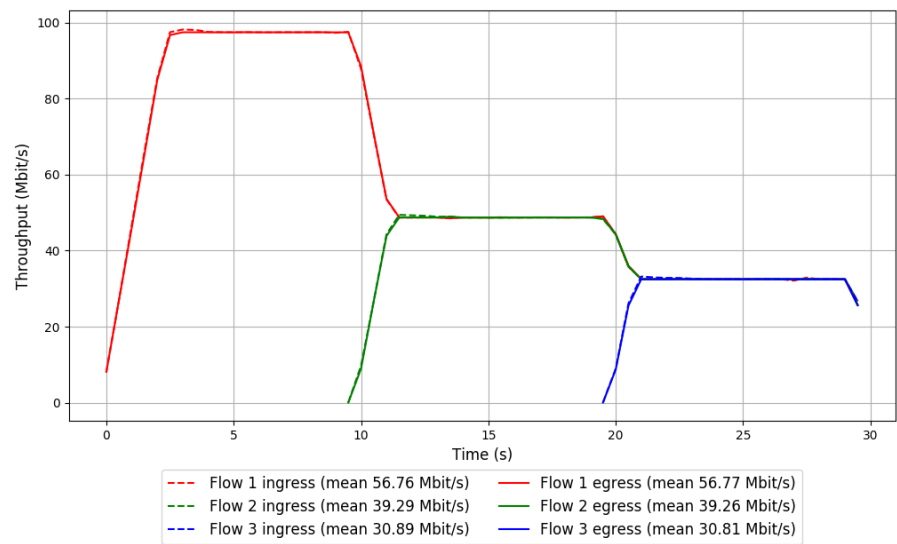
-- Flow 3:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 44.458 ms

Loss rate: 0.63%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 00:27:30 +0000

End at: Mon, 10 Jul 2017 00:28:00 +0000

Local clock offset: 1.086 ms

Remote clock offset: -19.306 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 43.406 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 56.72 Mbit/s

95th percentile per-packet one-way delay: 43.251 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 43.514 ms

Loss rate: 0.25%

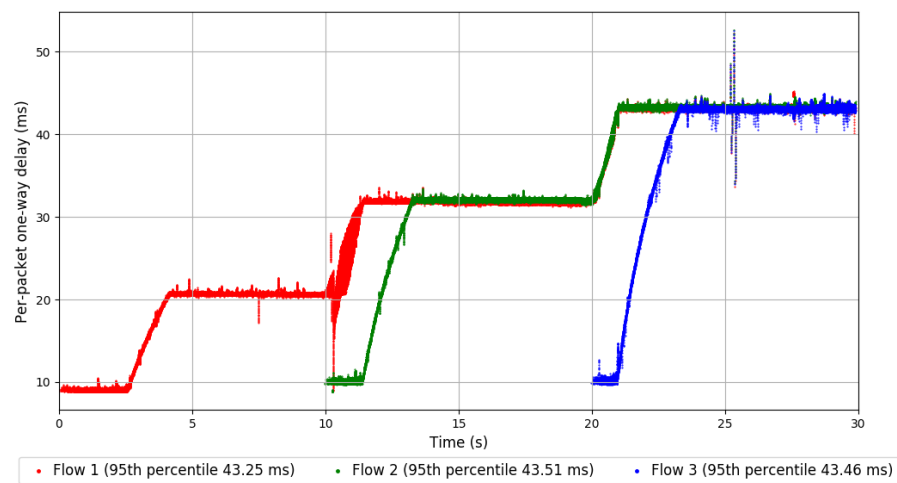
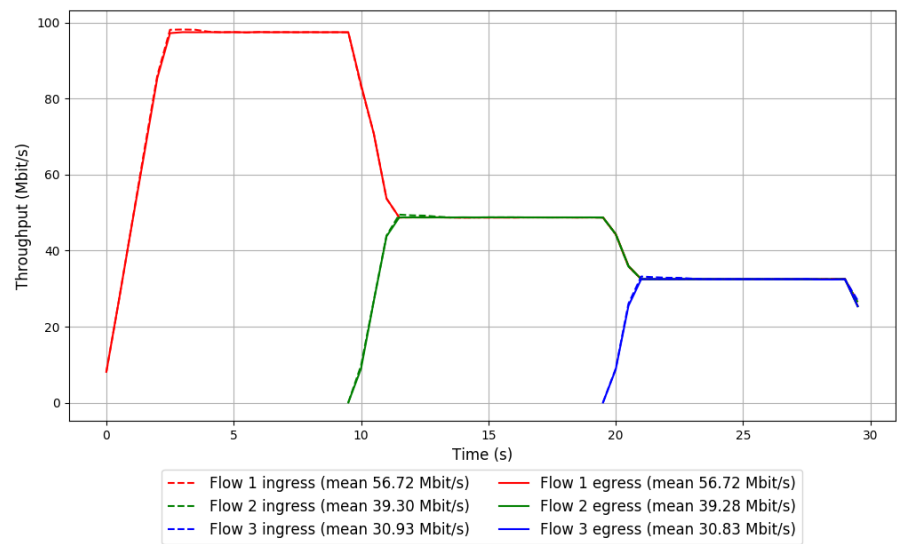
-- Flow 3:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 43.456 ms

Loss rate: 0.70%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 00:45:33 +0000

End at: Mon, 10 Jul 2017 00:46:03 +0000

Local clock offset: 3.693 ms

Remote clock offset: -20.112 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 53.528 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 31.348 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 53.709 ms

Loss rate: 0.46%

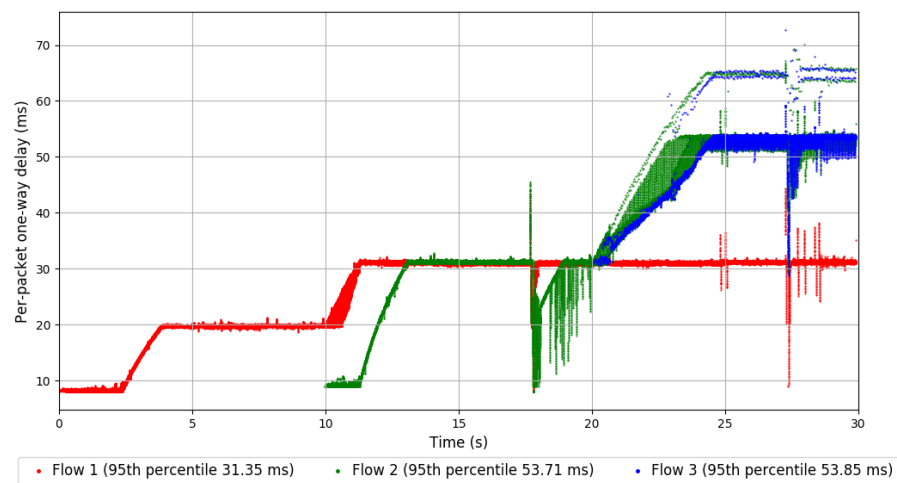
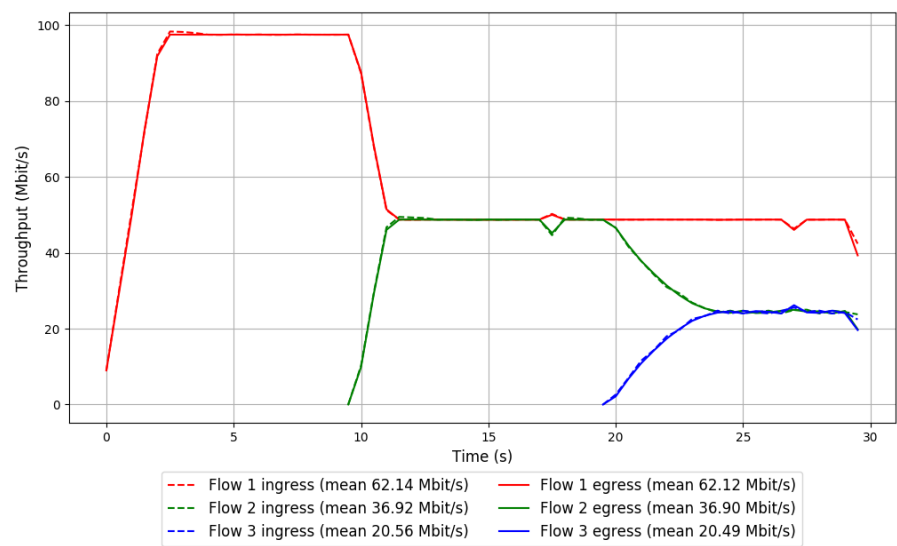
-- Flow 3:

Average throughput: 20.49 Mbit/s

95th percentile per-packet one-way delay: 53.851 ms

Loss rate: 1.30%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 01:03:46 +0000

End at: Mon, 10 Jul 2017 01:04:16 +0000

Local clock offset: 1.736 ms

Remote clock offset: -21.215 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 47.943 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 51.71 Mbit/s

95th percentile per-packet one-way delay: 47.001 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.81 Mbit/s

95th percentile per-packet one-way delay: 48.289 ms

Loss rate: 0.34%

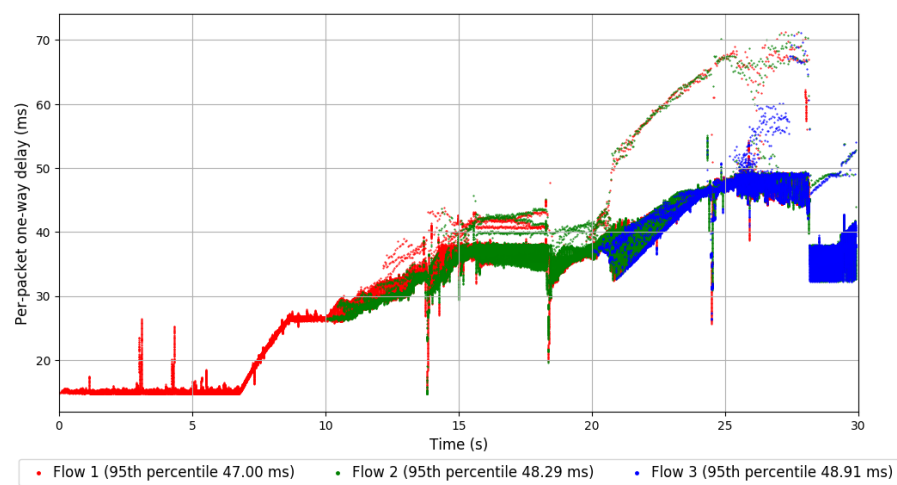
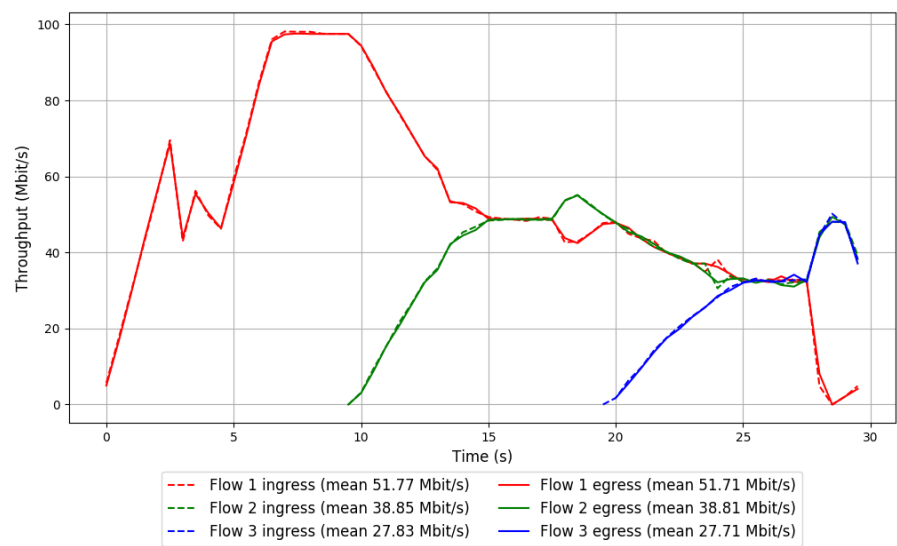
-- Flow 3:

Average throughput: 27.71 Mbit/s

95th percentile per-packet one-way delay: 48.908 ms

Loss rate: 0.89%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 01:22:07 +0000

End at: Mon, 10 Jul 2017 01:22:38 +0000

Local clock offset: -0.005 ms

Remote clock offset: -21.975 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 49.362 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 45.69 Mbit/s

95th percentile per-packet one-way delay: 49.326 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 49.394 ms

Loss rate: 0.25%

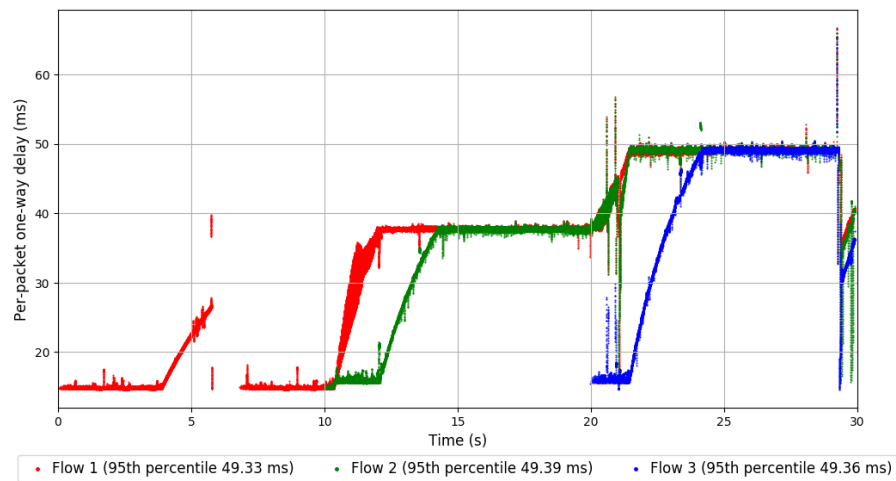
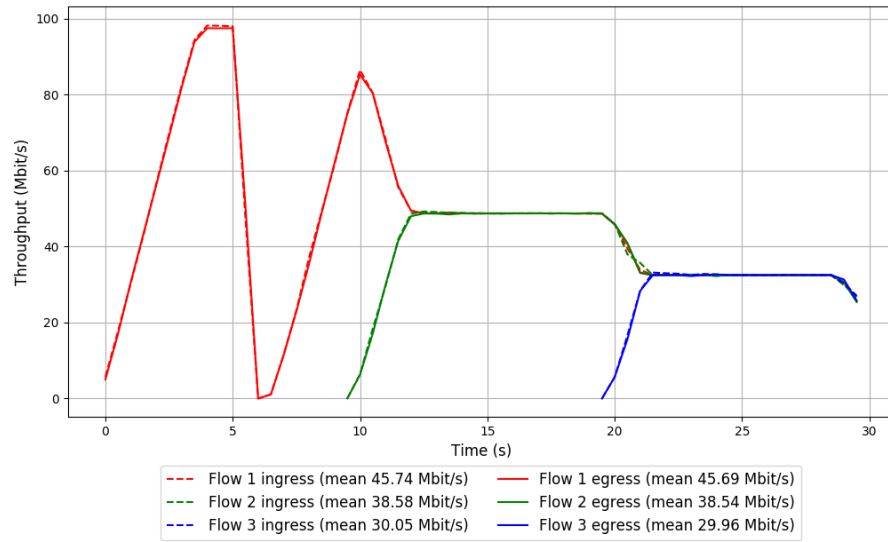
-- Flow 3:

Average throughput: 29.96 Mbit/s

95th percentile per-packet one-way delay: 49.363 ms

Loss rate: 0.58%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 01:40:15 +0000

End at: Mon, 10 Jul 2017 01:40:45 +0000

Local clock offset: -0.062 ms

Remote clock offset: -20.617 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 60.123 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 60.66 Mbit/s

95th percentile per-packet one-way delay: 37.872 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 60.315 ms

Loss rate: 0.58%

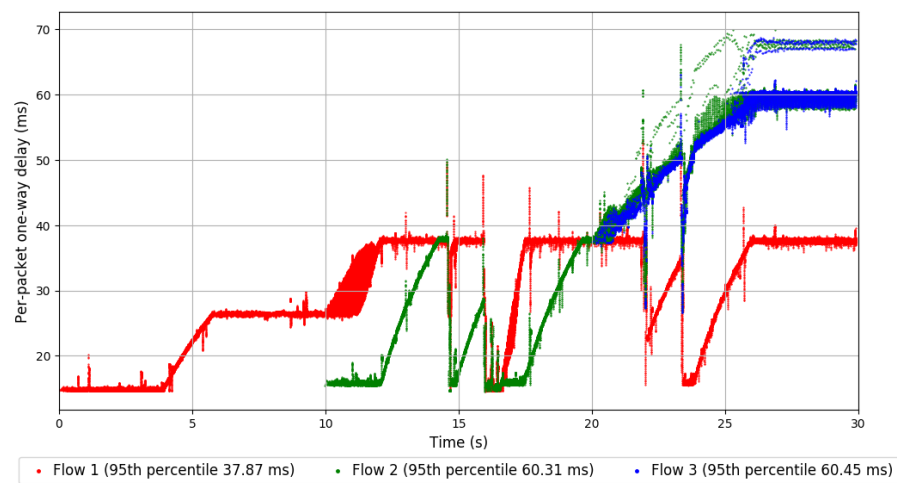
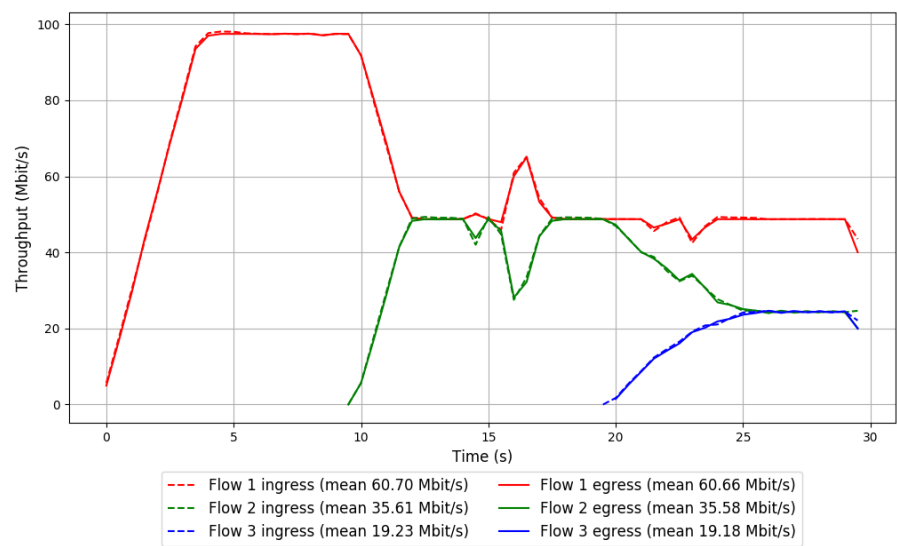
-- Flow 3:

Average throughput: 19.18 Mbit/s

95th percentile per-packet one-way delay: 60.447 ms

Loss rate: 1.30%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:14:03 +0000

End at: Sun, 09 Jul 2017 23:14:33 +0000

Local clock offset: 2.107 ms

Remote clock offset: -18.558 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 44.065 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 44.247 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 44.16 Mbit/s

95th percentile per-packet one-way delay: 20.979 ms

Loss rate: 0.21%

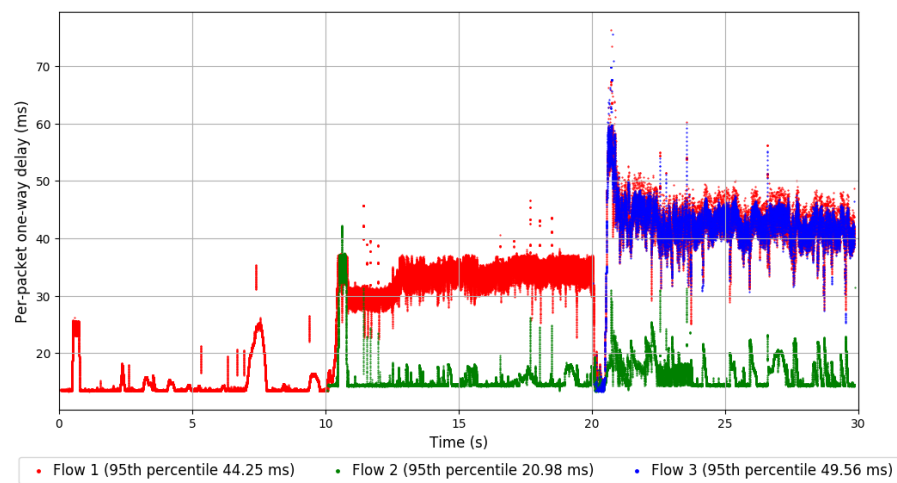
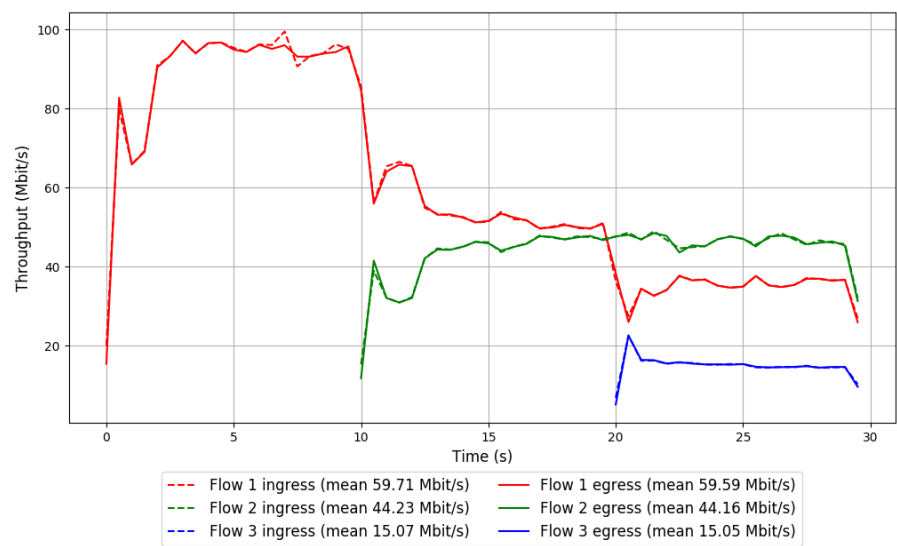
-- Flow 3:

Average throughput: 15.05 Mbit/s

95th percentile per-packet one-way delay: 49.558 ms

Loss rate: 0.56%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:32:00 +0000

End at: Sun, 09 Jul 2017 23:32:30 +0000

Local clock offset: 0.867 ms

Remote clock offset: -18.14 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 40.170 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 32.549 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 41.812 ms

Loss rate: 0.33%

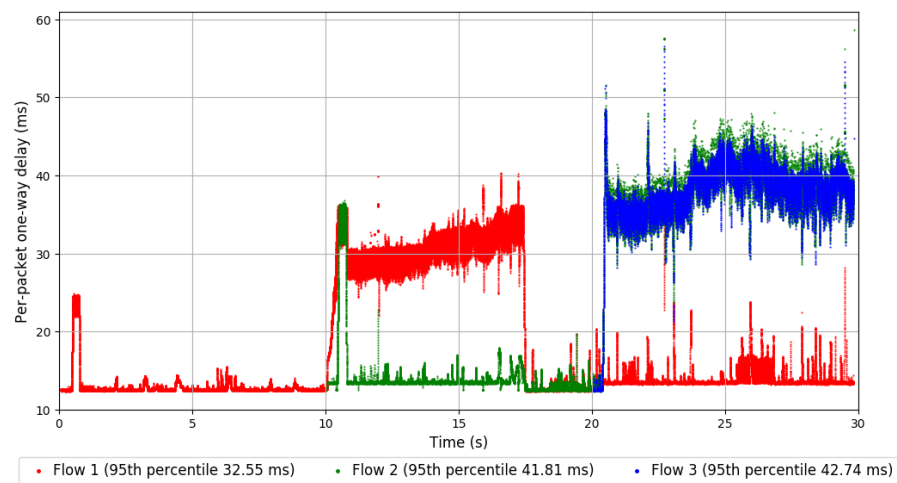
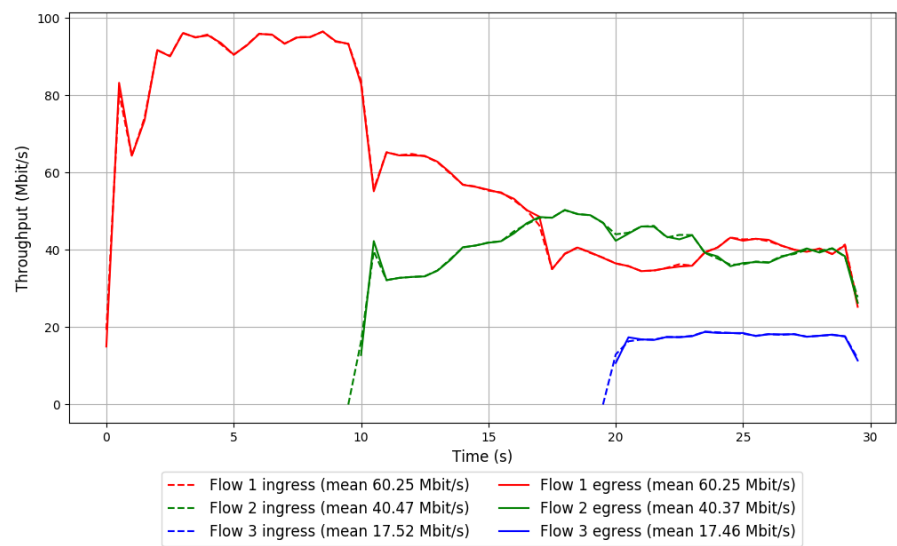
-- Flow 3:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 42.739 ms

Loss rate: 0.56%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:50:04 +0000

End at: Sun, 09 Jul 2017 23:50:34 +0000

Local clock offset: 3.215 ms

Remote clock offset: -20.175 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 44.810 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 43.601 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.29 Mbit/s

95th percentile per-packet one-way delay: 44.797 ms

Loss rate: 0.39%

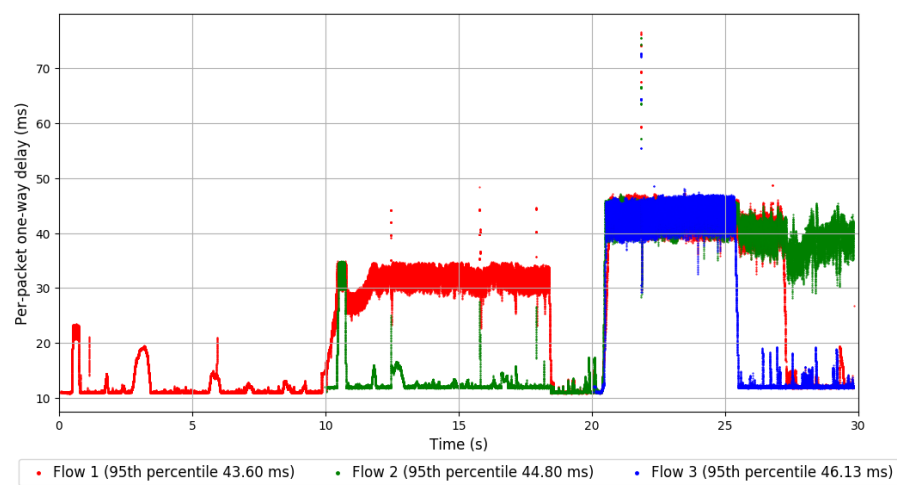
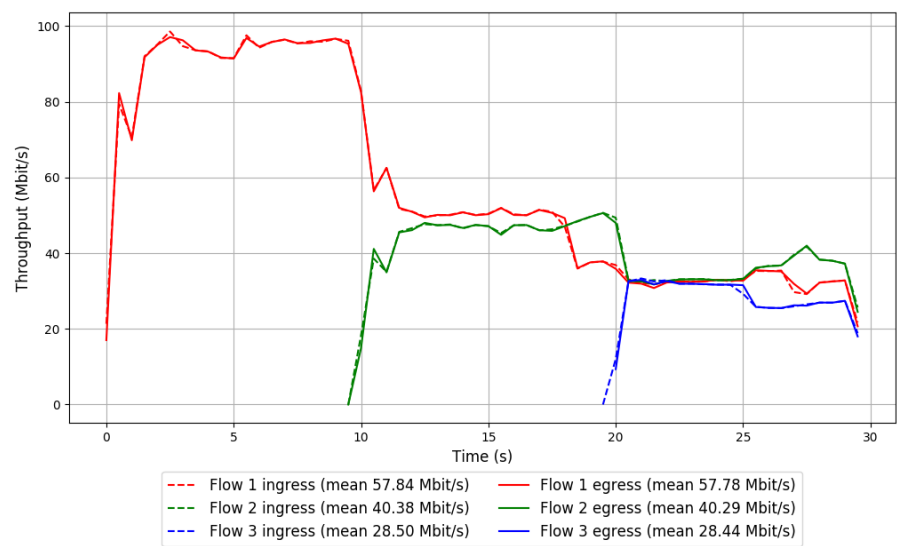
-- Flow 3:

Average throughput: 28.44 Mbit/s

95th percentile per-packet one-way delay: 46.130 ms

Loss rate: 0.47%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Mon, 10 Jul 2017 00:08:13 +0000

End at: Mon, 10 Jul 2017 00:08:43 +0000

Local clock offset: 1.096 ms

Remote clock offset: -19.714 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 28.400 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 67.26 Mbit/s

95th percentile per-packet one-way delay: 28.295 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.95 Mbit/s

95th percentile per-packet one-way delay: 28.649 ms

Loss rate: 0.13%

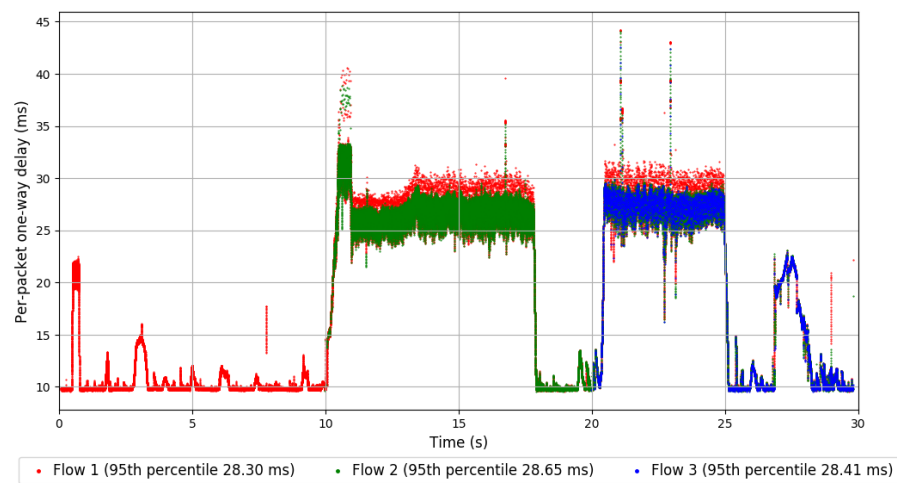
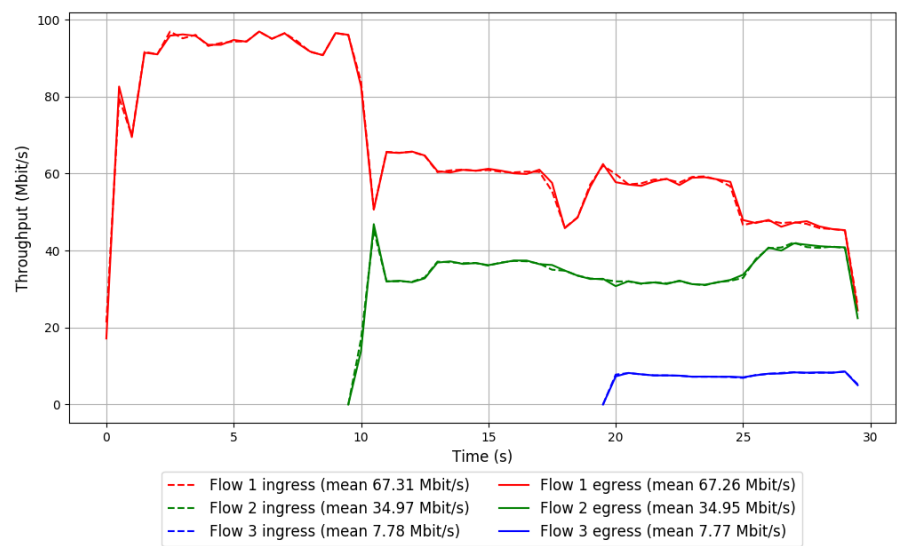
-- Flow 3:

Average throughput: 7.77 Mbit/s

95th percentile per-packet one-way delay: 28.408 ms

Loss rate: 0.25%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Mon, 10 Jul 2017 00:26:18 +0000

End at: Mon, 10 Jul 2017 00:26:48 +0000

Local clock offset: 0.51 ms

Remote clock offset: -18.276 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 31.907 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 31.346 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 33.723 ms

Loss rate: 0.15%

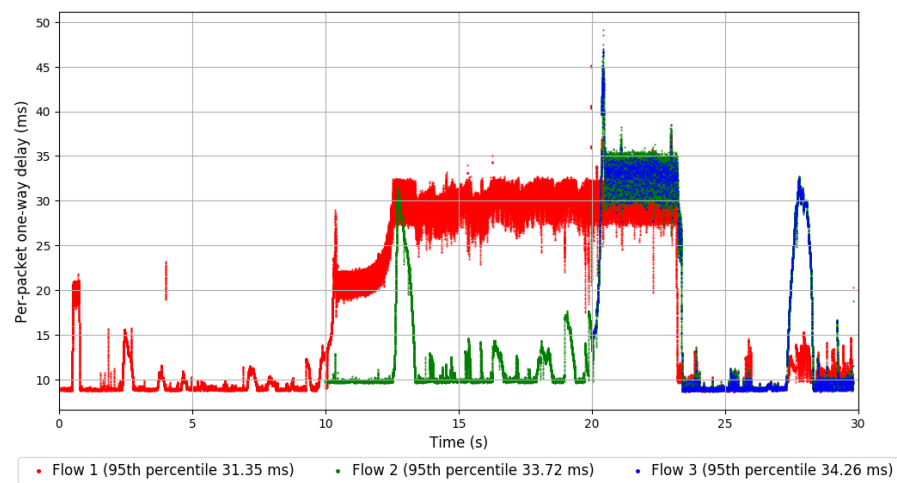
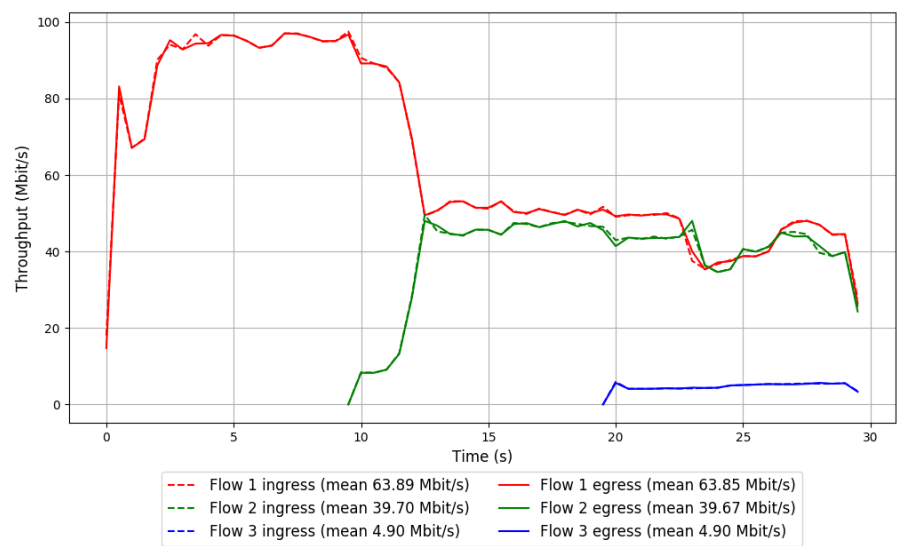
-- Flow 3:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 34.255 ms

Loss rate: 0.28%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Mon, 10 Jul 2017 00:44:20 +0000

End at: Mon, 10 Jul 2017 00:44:50 +0000

Local clock offset: 4.705 ms

Remote clock offset: -18.255 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 30.956 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.97 Mbit/s

95th percentile per-packet one-way delay: 31.940 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 45.28 Mbit/s

95th percentile per-packet one-way delay: 30.285 ms

Loss rate: 0.15%

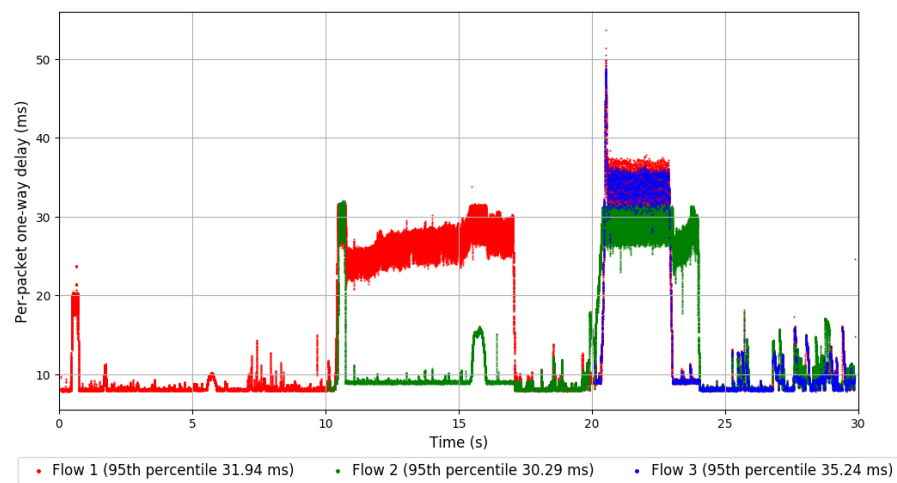
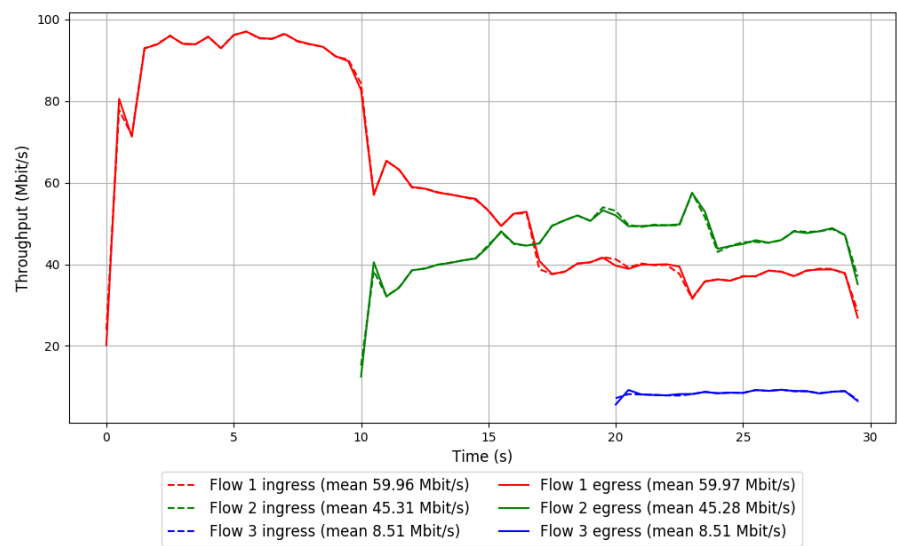
-- Flow 3:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 35.236 ms

Loss rate: 0.30%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Mon, 10 Jul 2017 01:02:34 +0000

End at: Mon, 10 Jul 2017 01:03:04 +0000

Local clock offset: 1.347 ms

Remote clock offset: -19.22 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 42.905 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 60.66 Mbit/s

95th percentile per-packet one-way delay: 42.394 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.04 Mbit/s

95th percentile per-packet one-way delay: 43.522 ms

Loss rate: 0.12%

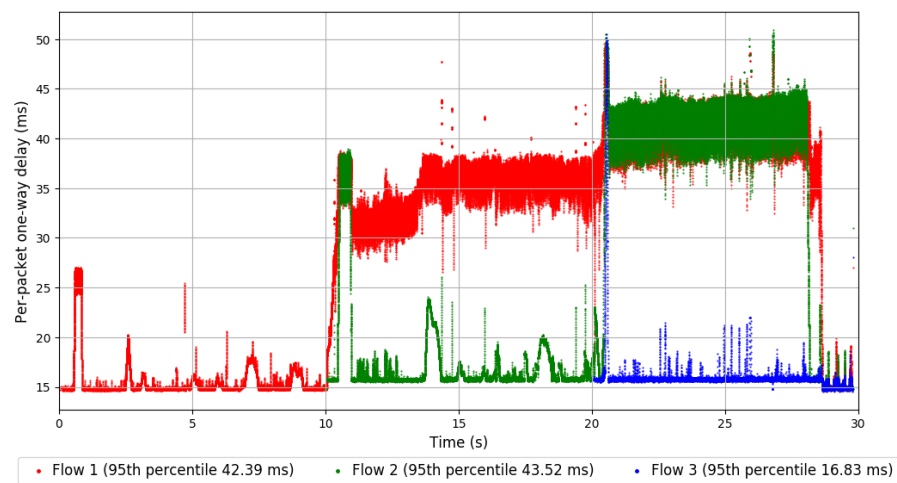
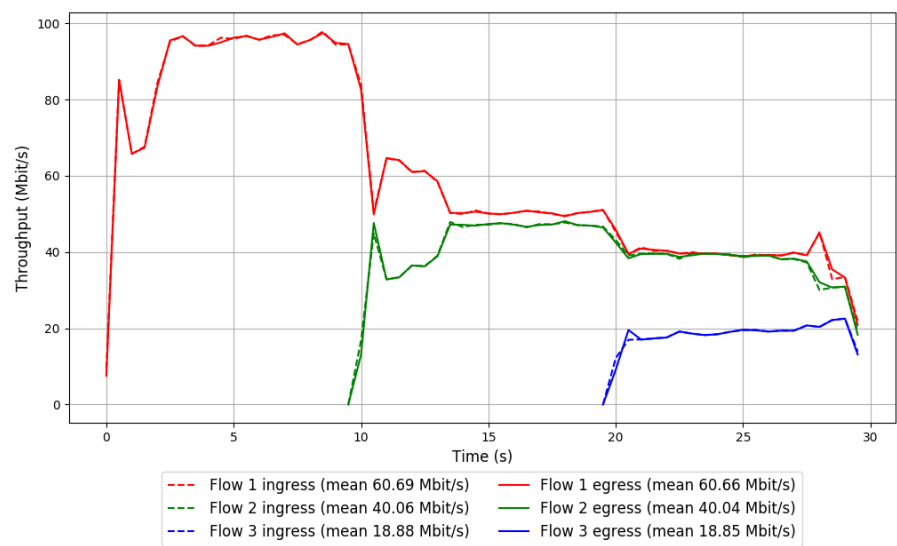
-- Flow 3:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 16.832 ms

Loss rate: 0.39%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Mon, 10 Jul 2017 01:20:37 +0000

End at: Mon, 10 Jul 2017 01:21:07 +0000

Local clock offset: 2.219 ms

Remote clock offset: -20.136 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 46.987 ms

Loss rate: 37.75%

-- Flow 1:

Average throughput: 57.29 Mbit/s

95th percentile per-packet one-way delay: 46.393 ms

Loss rate: 25.18%

-- Flow 2:

Average throughput: 38.18 Mbit/s

95th percentile per-packet one-way delay: 47.785 ms

Loss rate: 42.90%

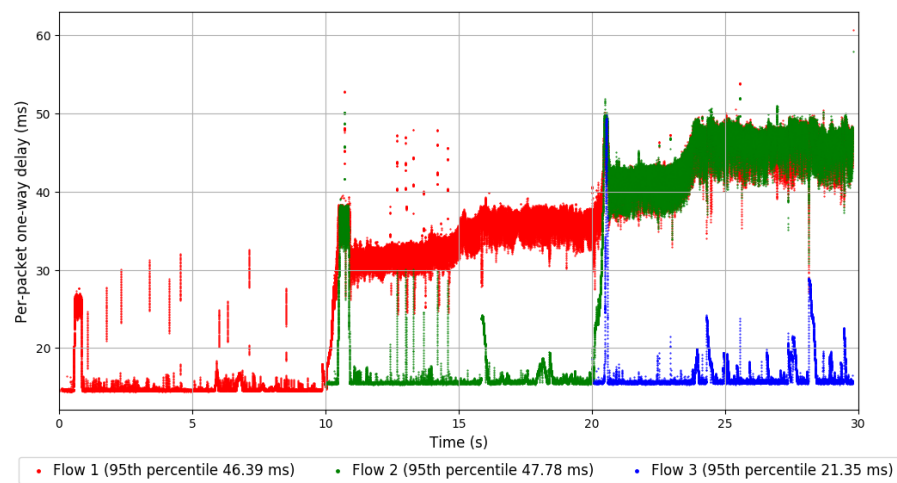
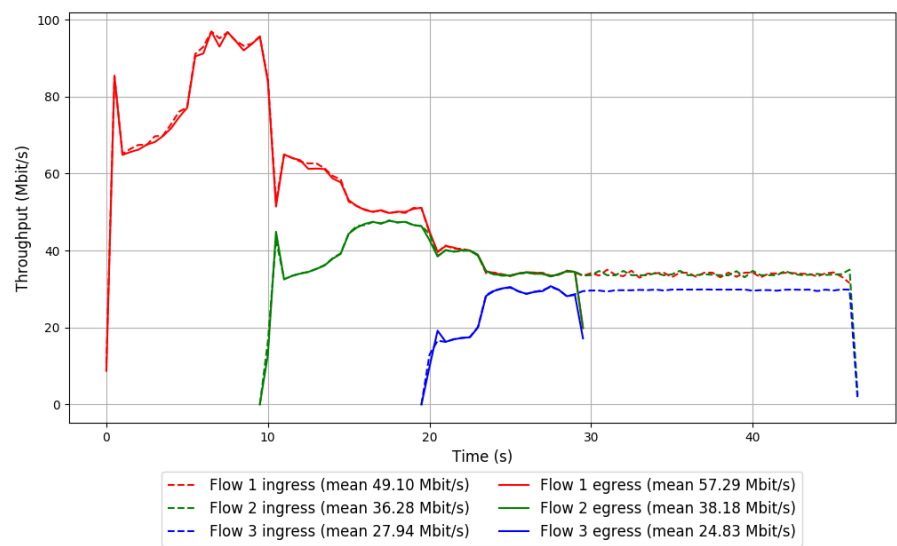
-- Flow 3:

Average throughput: 24.83 Mbit/s

95th percentile per-packet one-way delay: 21.350 ms

Loss rate: 67.18%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Mon, 10 Jul 2017 01:39:02 +0000

End at: Mon, 10 Jul 2017 01:39:32 +0000

Local clock offset: 3.913 ms

Remote clock offset: -21.317 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 50.008 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 48.847 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 54.286 ms

Loss rate: 0.31%

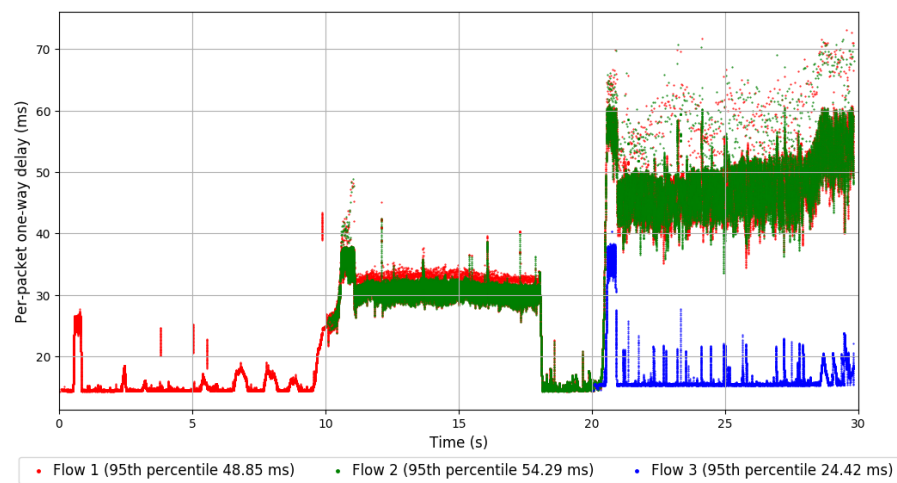
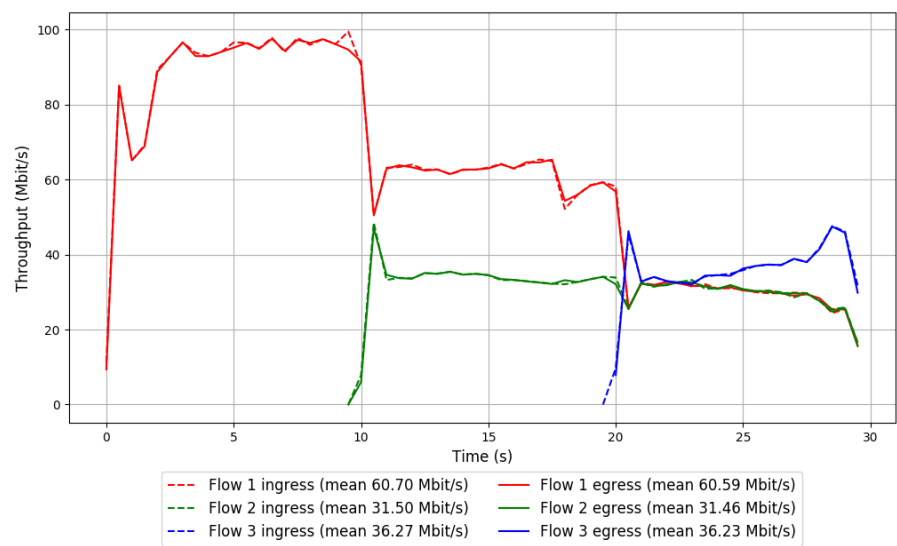
-- Flow 3:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 24.424 ms

Loss rate: 0.53%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Mon, 10 Jul 2017 01:57:30 +0000

End at: Mon, 10 Jul 2017 01:58:00 +0000

Local clock offset: 0.015 ms

Remote clock offset: -18.729 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 38.237 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 62.07 Mbit/s

95th percentile per-packet one-way delay: 37.846 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 38.924 ms

Loss rate: 0.12%

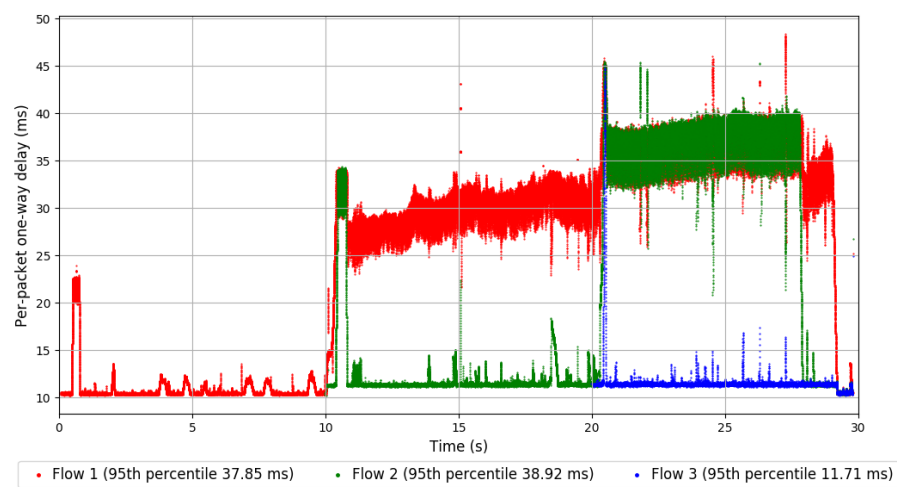
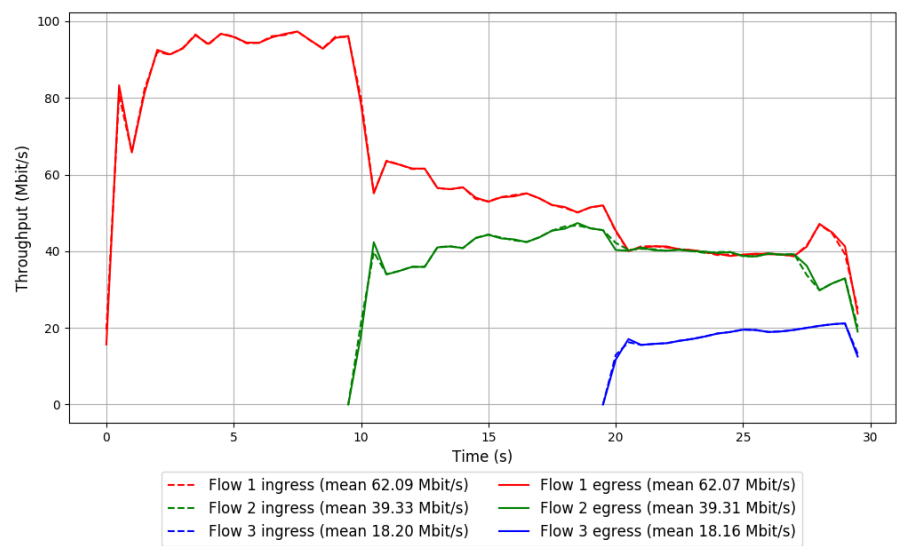
-- Flow 3:

Average throughput: 18.16 Mbit/s

95th percentile per-packet one-way delay: 11.705 ms

Loss rate: 0.34%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

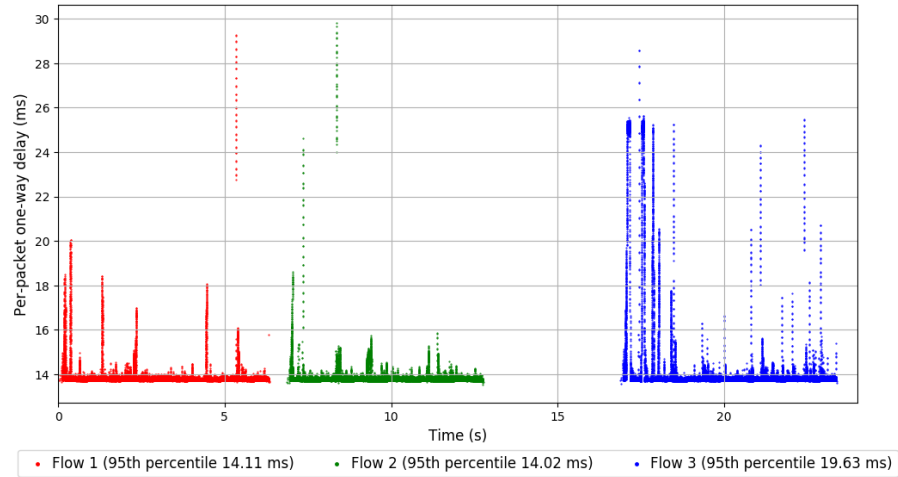
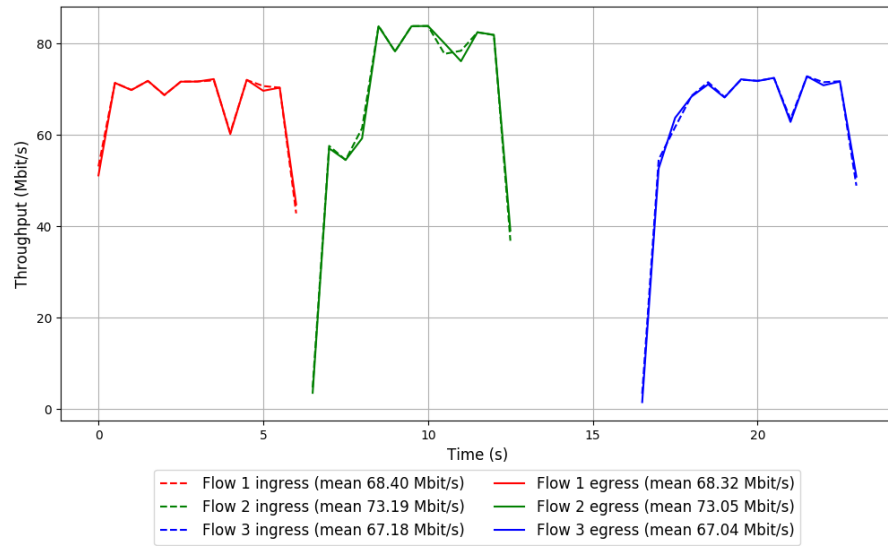
Start at: Sun, 09 Jul 2017 23:10:21 +0000

End at: Sun, 09 Jul 2017 23:10:51 +0000

Local clock offset: 1.555 ms

Remote clock offset: -17.542 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

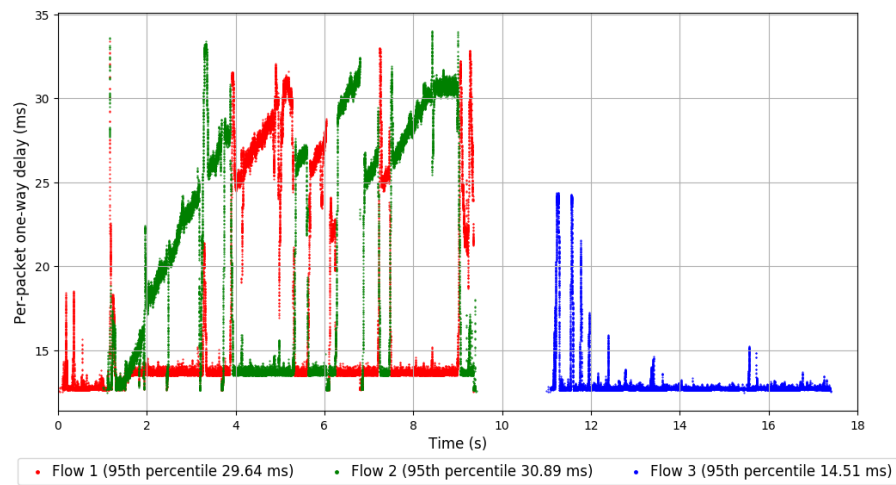
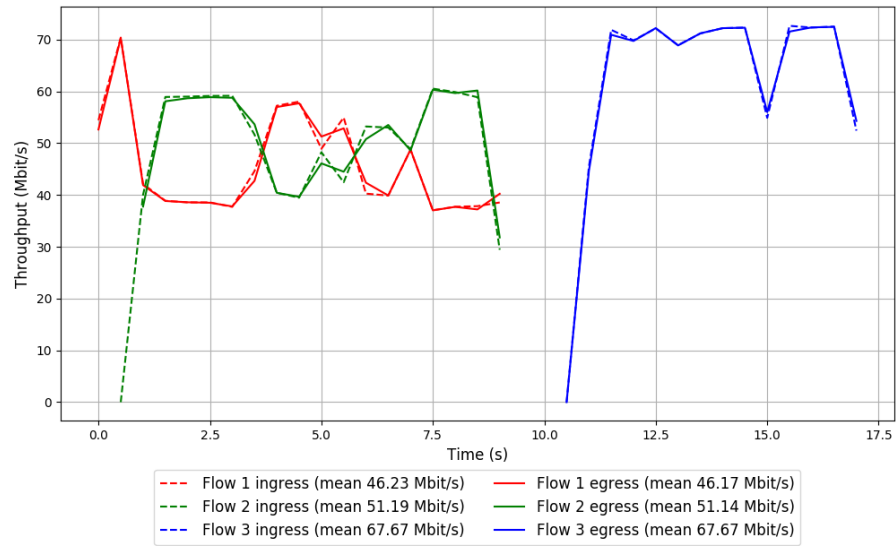
Start at: Sun, 09 Jul 2017 23:28:20 +0000

End at: Sun, 09 Jul 2017 23:28:50 +0000

Local clock offset: -1.22 ms

Remote clock offset: -19.127 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 23:46:17 +0000

End at: Sun, 09 Jul 2017 23:46:47 +0000

Local clock offset: 1.853 ms

Remote clock offset: -17.971 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 11.766 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 68.38 Mbit/s

95th percentile per-packet one-way delay: 22.736 ms

Loss rate: 0.10%

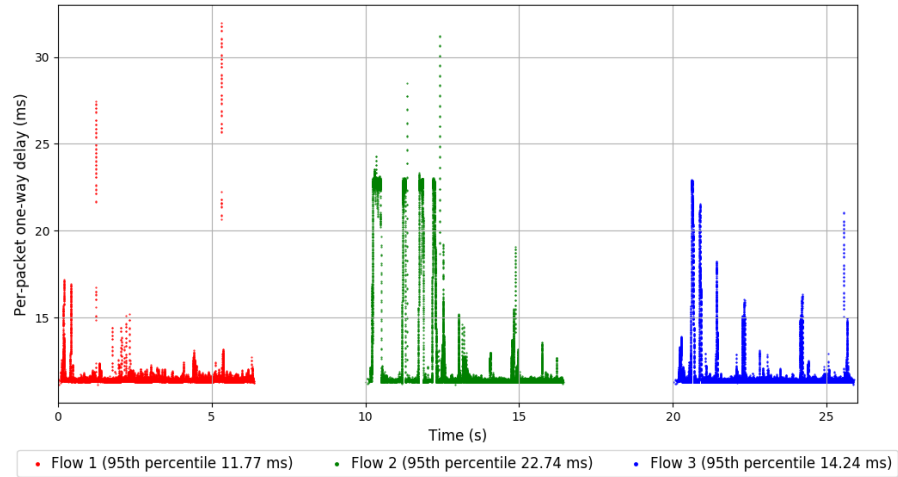
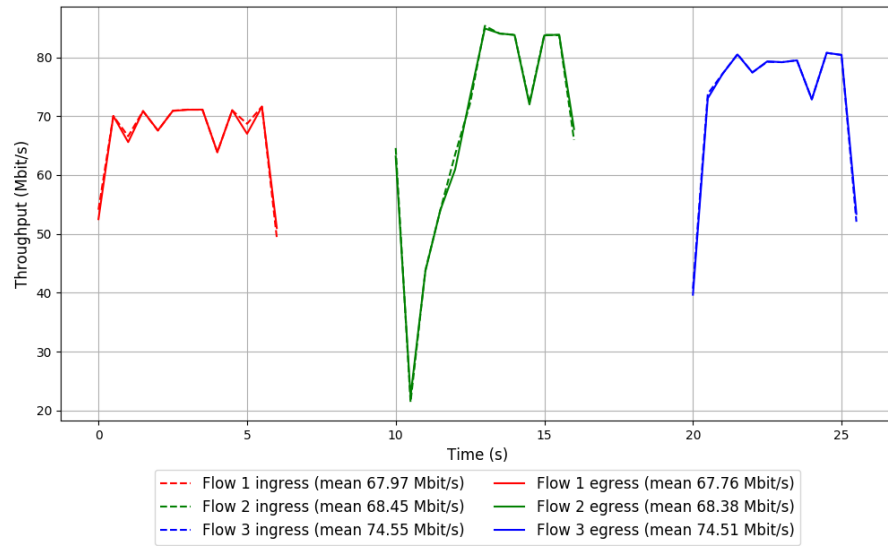
-- Flow 3:

Average throughput: 74.51 Mbit/s

95th percentile per-packet one-way delay: 14.238 ms

Loss rate: 0.05%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 00:04:31 +0000

End at: Mon, 10 Jul 2017 00:05:01 +0000

Local clock offset: 3.022 ms

Remote clock offset: -18.257 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 21.263 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 21.315 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 10.523 ms

Loss rate: 0.00%

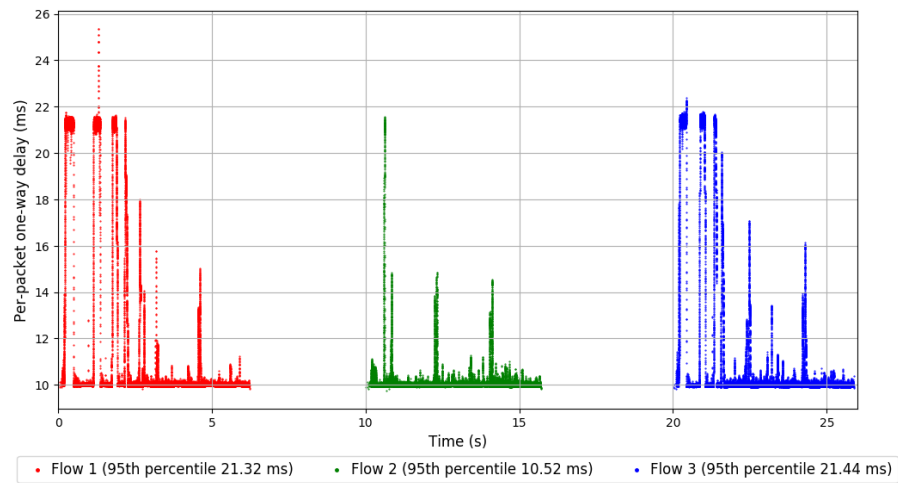
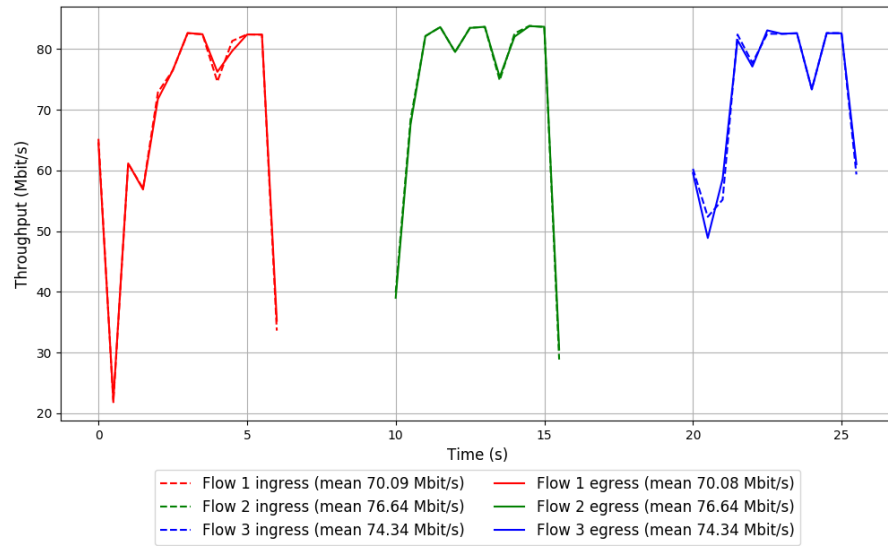
-- Flow 3:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 21.437 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 00:22:35 +0000

End at: Mon, 10 Jul 2017 00:23:05 +0000

Local clock offset: 1.611 ms

Remote clock offset: -21.114 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.78 Mbit/s

95th percentile per-packet one-way delay: 16.897 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 16.034 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 11.547 ms

Loss rate: 0.00%

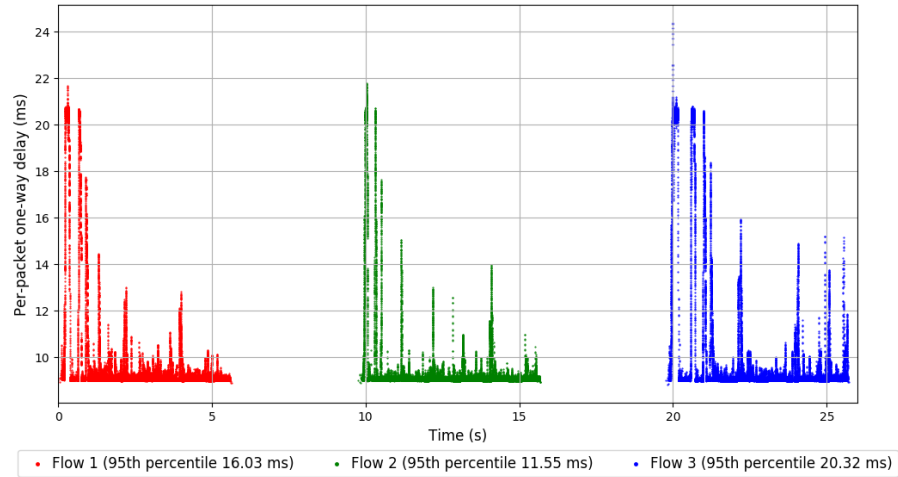
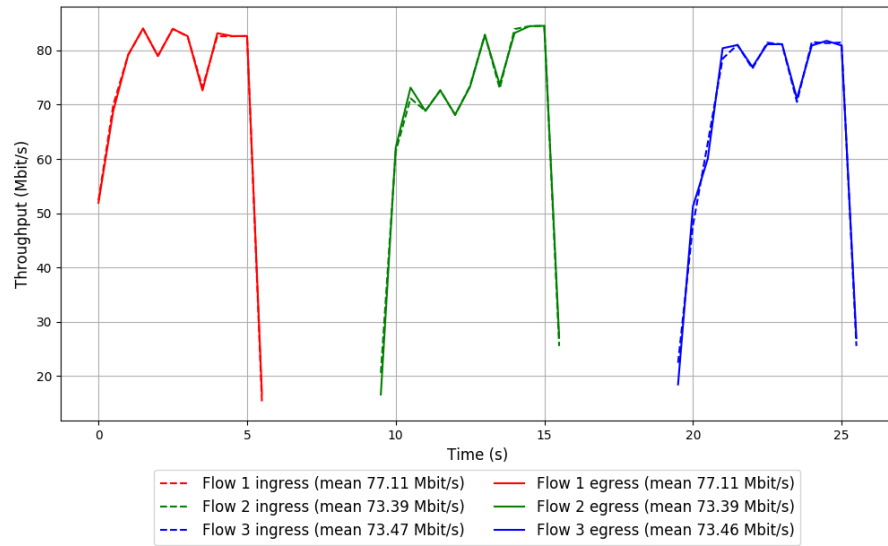
-- Flow 3:

Average throughput: 73.46 Mbit/s

95th percentile per-packet one-way delay: 20.325 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

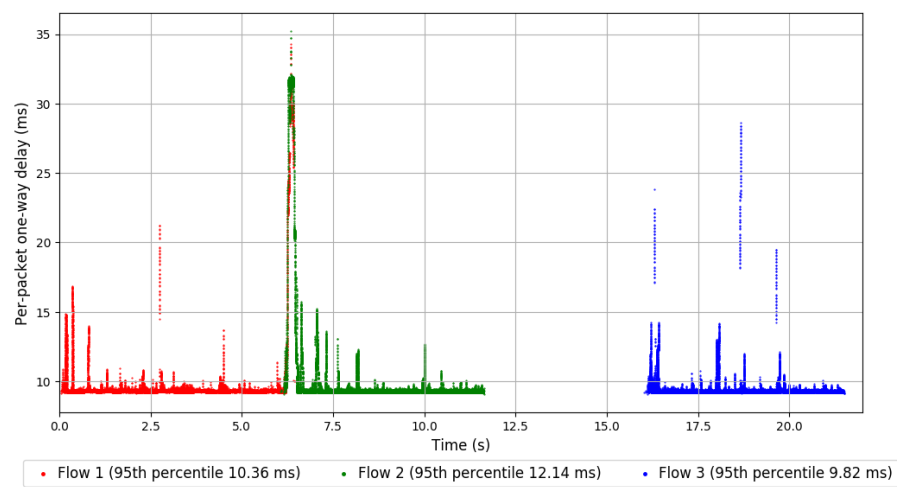
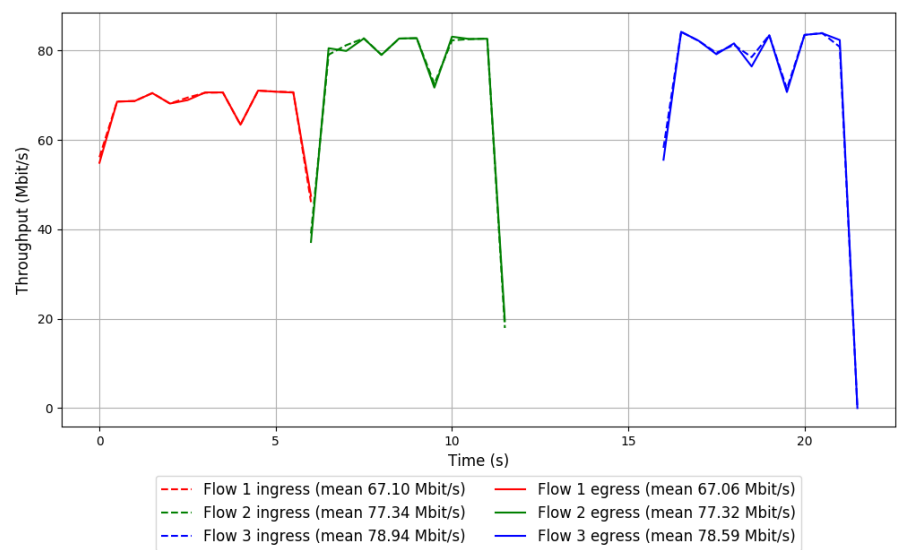
Start at: Mon, 10 Jul 2017 00:40:41 +0000

End at: Mon, 10 Jul 2017 00:41:11 +0000

Local clock offset: 4.834 ms

Remote clock offset: -20.372 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 00:58:47 +0000

End at: Mon, 10 Jul 2017 00:59:17 +0000

Local clock offset: 0.809 ms

Remote clock offset: -20.789 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 18.185 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 67.09 Mbit/s

95th percentile per-packet one-way delay: 15.147 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 26.180 ms

Loss rate: 0.34%

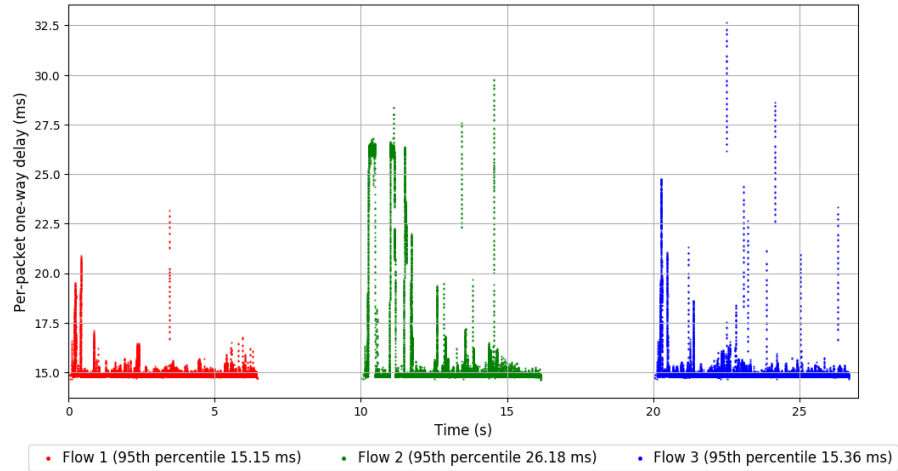
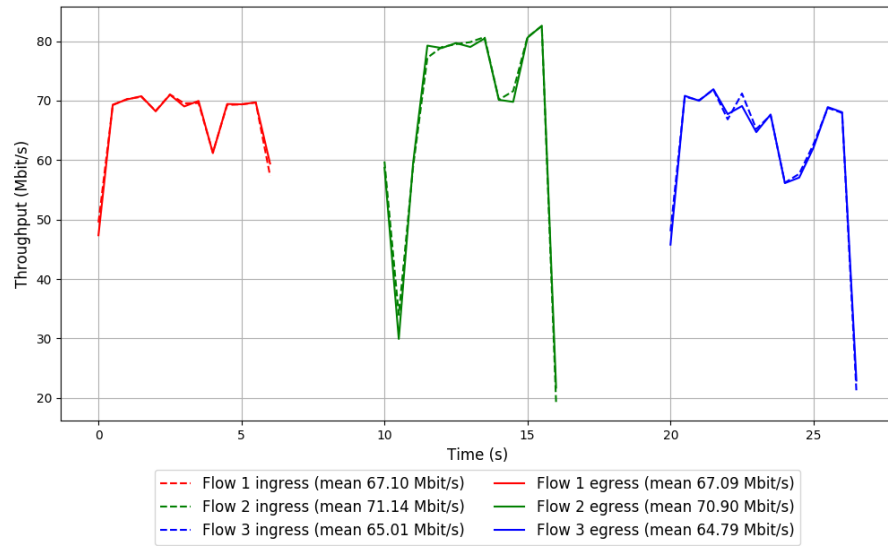
-- Flow 3:

Average throughput: 64.79 Mbit/s

95th percentile per-packet one-way delay: 15.355 ms

Loss rate: 0.34%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 01:16:56 +0000

End at: Mon, 10 Jul 2017 01:17:26 +0000

Local clock offset: 3.362 ms

Remote clock offset: -19.986 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 22.335 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 72.90 Mbit/s

95th percentile per-packet one-way delay: 25.876 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.59 Mbit/s

95th percentile per-packet one-way delay: 14.811 ms

Loss rate: 0.29%

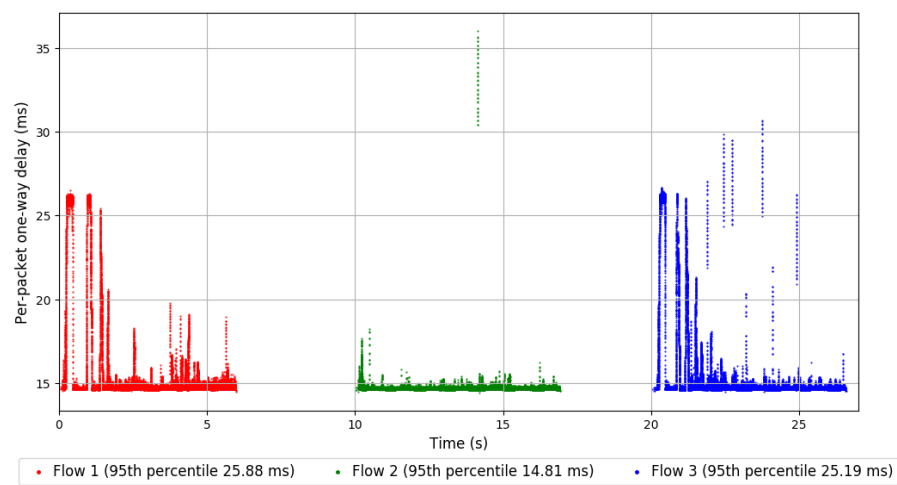
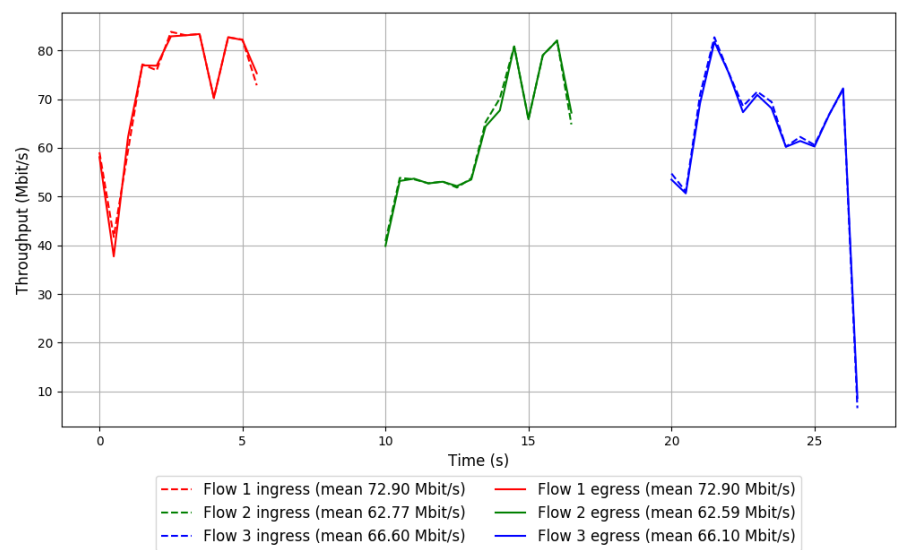
-- Flow 3:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 25.192 ms

Loss rate: 0.75%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 01:35:28 +0000

End at: Mon, 10 Jul 2017 01:35:58 +0000

Local clock offset: 1.61 ms

Remote clock offset: -19.785 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.26 Mbit/s

95th percentile per-packet one-way delay: 15.394 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 65.01 Mbit/s

95th percentile per-packet one-way delay: 22.476 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 15.285 ms

Loss rate: 0.04%

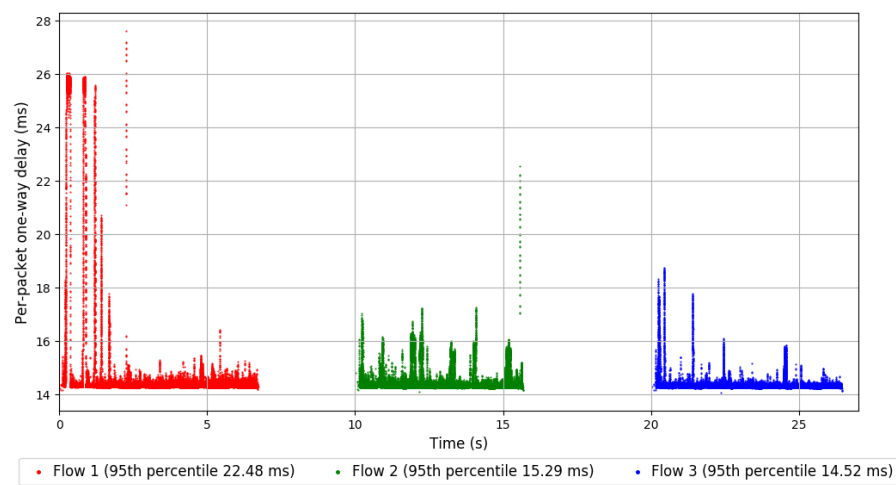
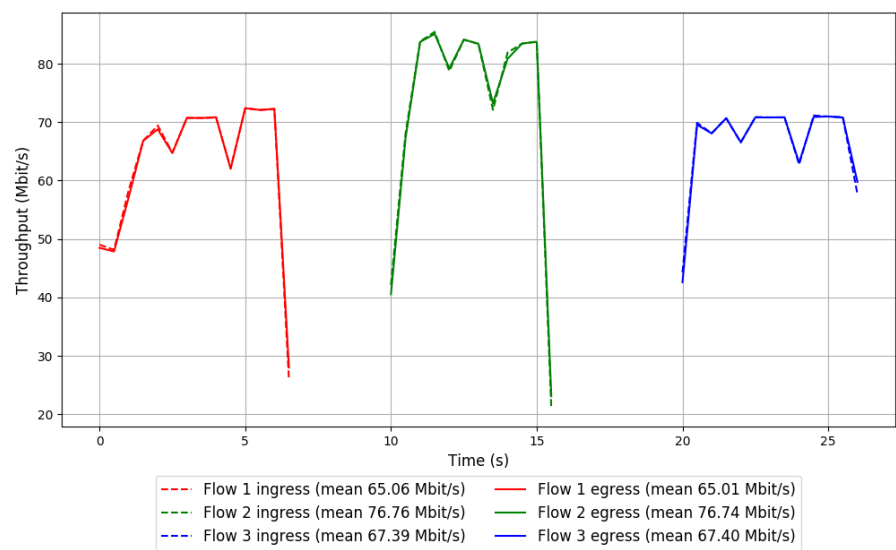
-- Flow 3:

Average throughput: 67.40 Mbit/s

95th percentile per-packet one-way delay: 14.524 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 01:53:42 +0000

End at: Mon, 10 Jul 2017 01:54:12 +0000

Local clock offset: -0.829 ms

Remote clock offset: -19.941 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 19.323 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 71.01 Mbit/s

95th percentile per-packet one-way delay: 11.105 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 21.554 ms

Loss rate: 0.07%

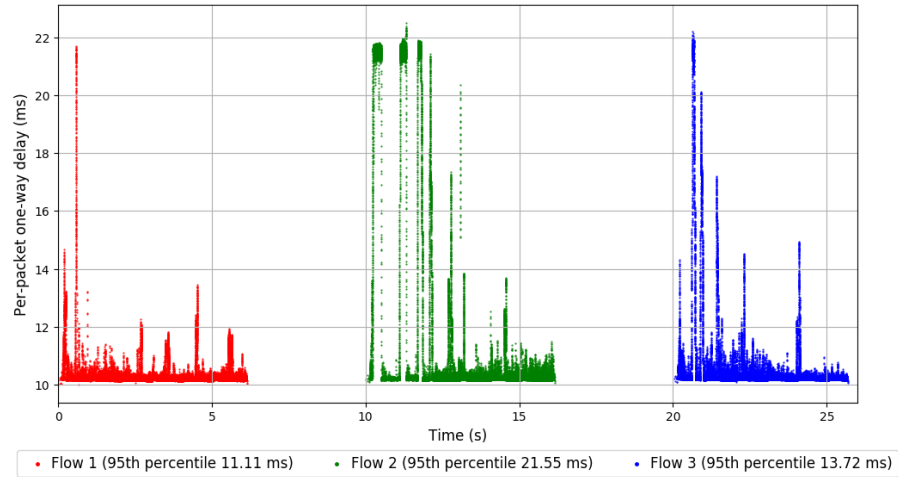
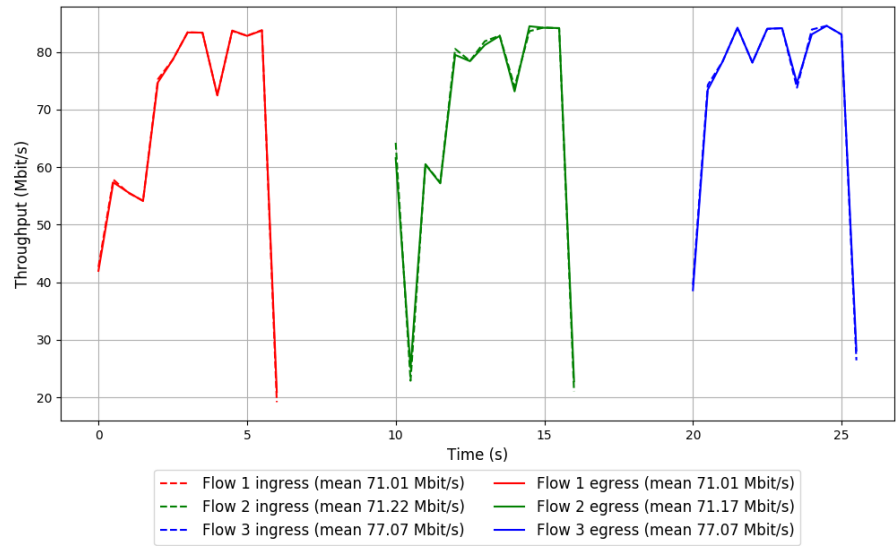
-- Flow 3:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 13.720 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:01:59 +0000

End at: Sun, 09 Jul 2017 23:02:29 +0000

Local clock offset: 0.817 ms

Remote clock offset: -17.248 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 60.844 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 55.99 Mbit/s

95th percentile per-packet one-way delay: 60.826 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 36.39 Mbit/s

95th percentile per-packet one-way delay: 60.910 ms

Loss rate: 0.54%

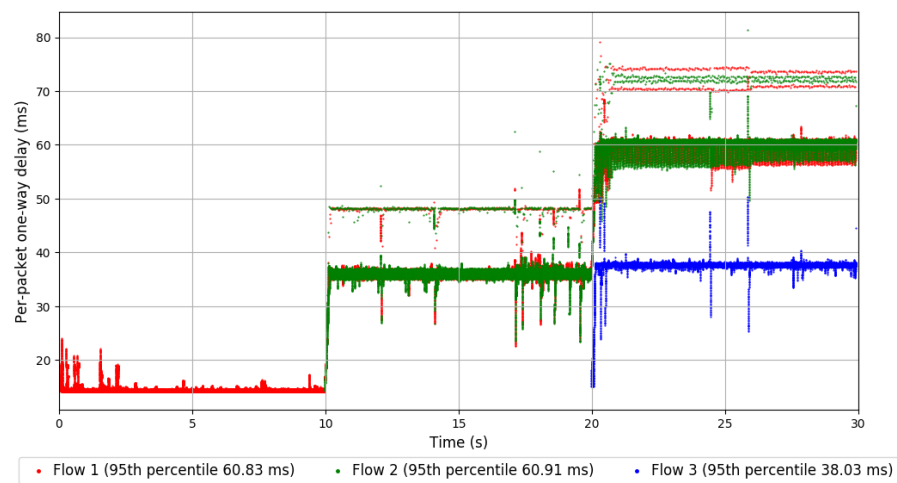
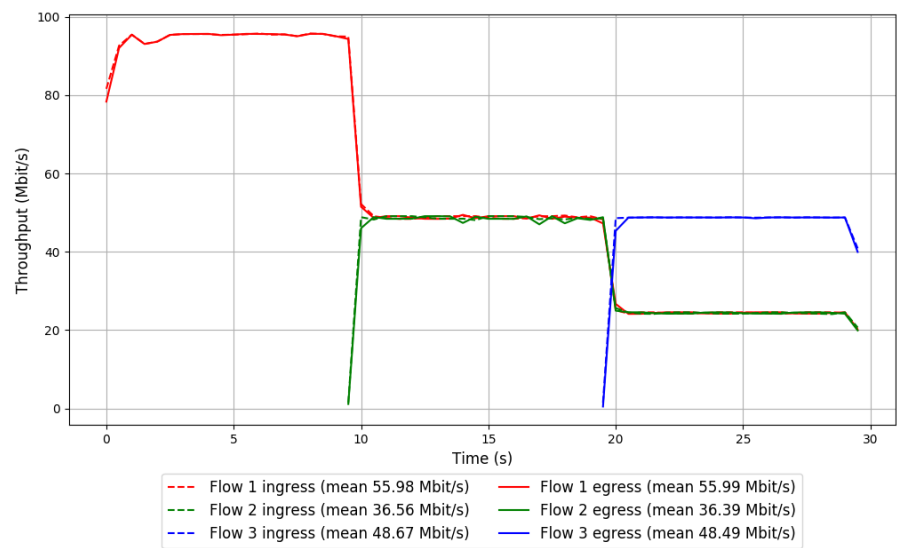
-- Flow 3:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 38.027 ms

Loss rate: 0.55%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:19:58 +0000

End at: Sun, 09 Jul 2017 23:20:28 +0000

Local clock offset: 1.037 ms

Remote clock offset: -19.151 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 48.537 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 58.19 Mbit/s

95th percentile per-packet one-way delay: 48.447 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 48.555 ms

Loss rate: 0.28%

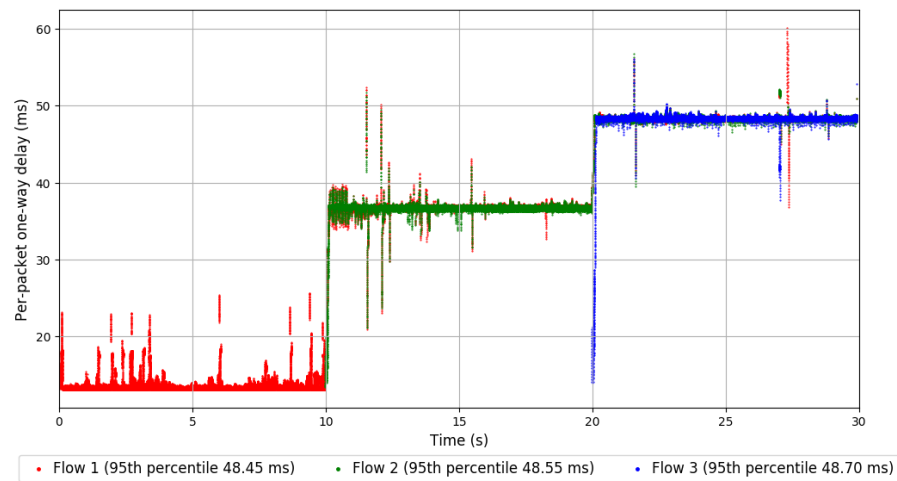
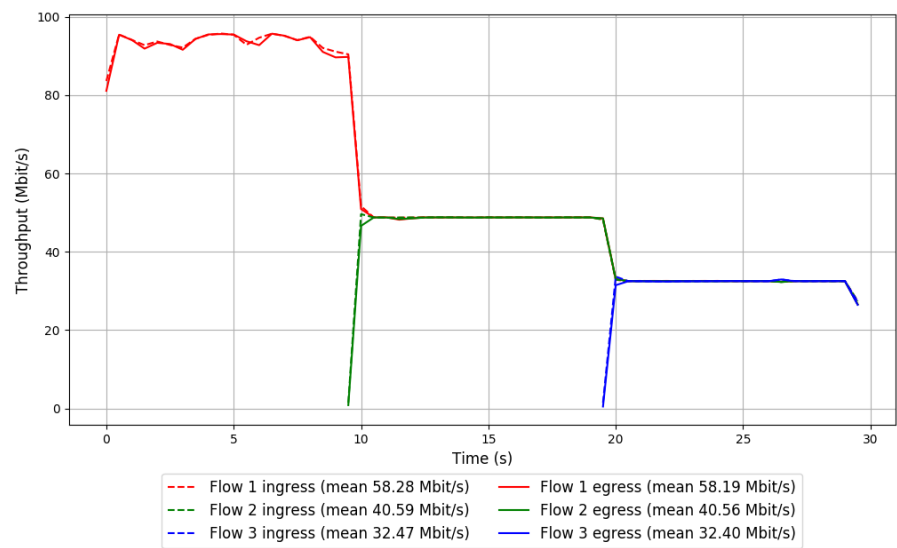
-- Flow 3:

Average throughput: 32.40 Mbit/s

95th percentile per-packet one-way delay: 48.701 ms

Loss rate: 0.61%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:37:58 +0000

End at: Sun, 09 Jul 2017 23:38:28 +0000

Local clock offset: 1.62 ms

Remote clock offset: -18.673 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 46.204 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 45.542 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 46.400 ms

Loss rate: 0.34%

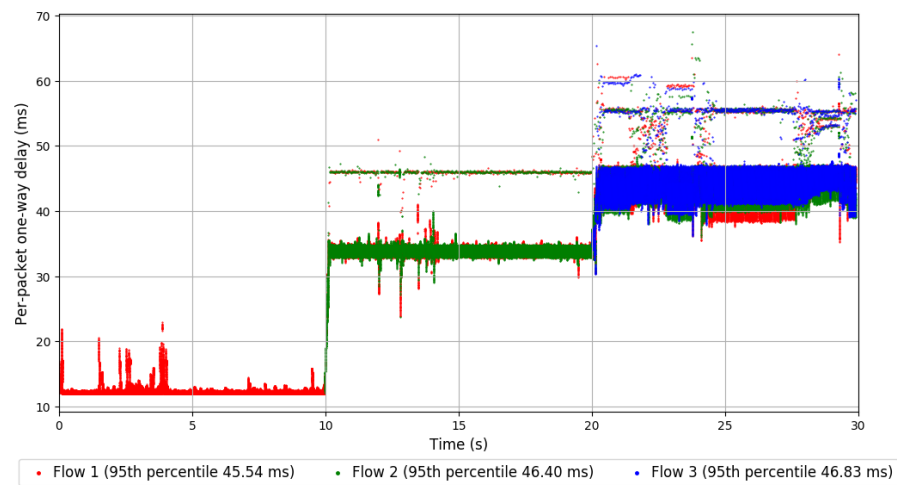
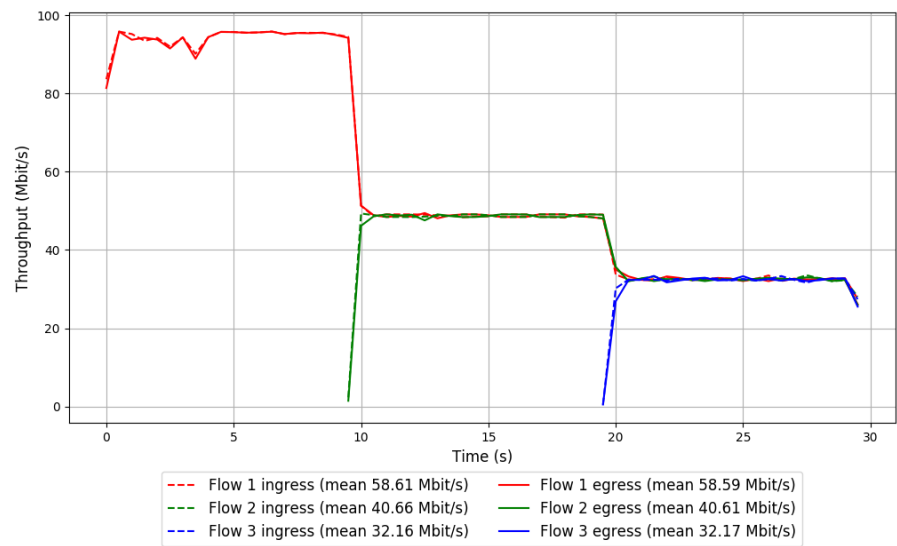
-- Flow 3:

Average throughput: 32.17 Mbit/s

95th percentile per-packet one-way delay: 46.828 ms

Loss rate: 0.76%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:56:01 +0000

End at: Sun, 09 Jul 2017 23:56:31 +0000

Local clock offset: 1.589 ms

Remote clock offset: -20.16 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 45.999 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 58.57 Mbit/s

95th percentile per-packet one-way delay: 45.904 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.52 Mbit/s

95th percentile per-packet one-way delay: 46.058 ms

Loss rate: 0.39%

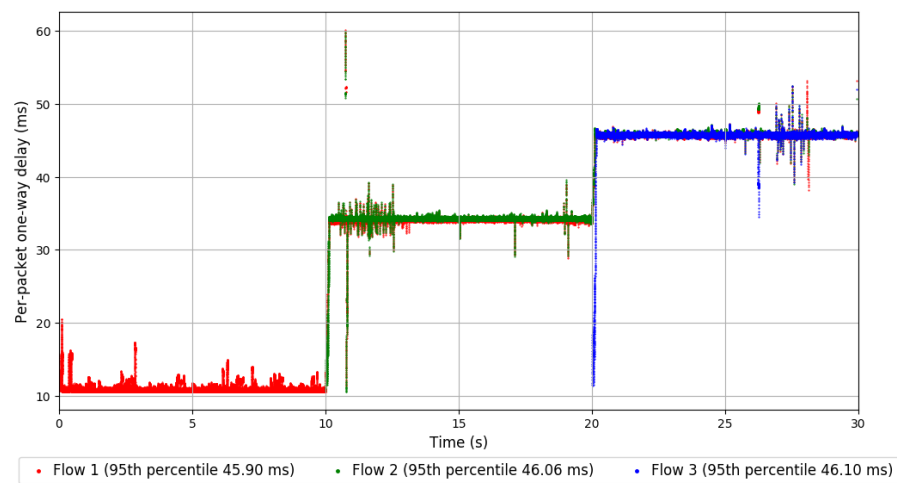
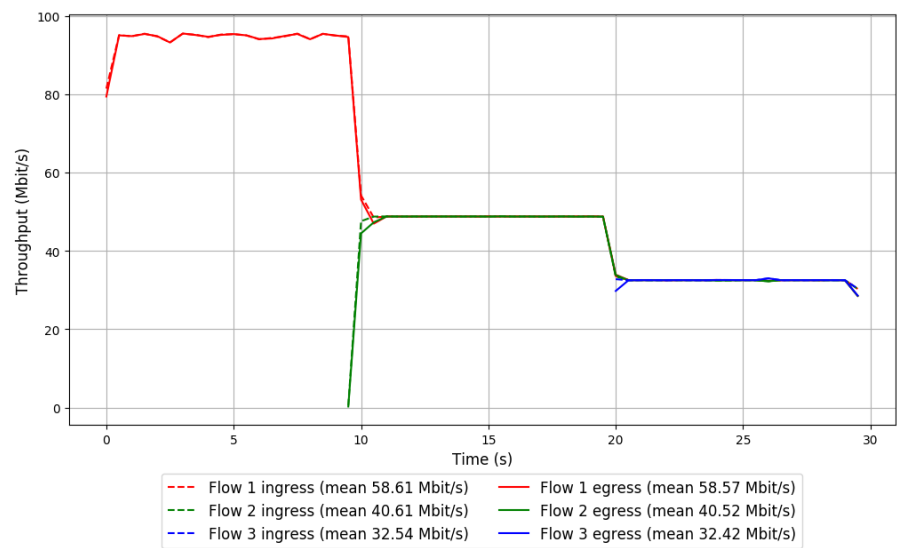
-- Flow 3:

Average throughput: 32.42 Mbit/s

95th percentile per-packet one-way delay: 46.099 ms

Loss rate: 0.74%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Mon, 10 Jul 2017 00:14:13 +0000

End at: Mon, 10 Jul 2017 00:14:43 +0000

Local clock offset: 3.714 ms

Remote clock offset: -20.073 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 56.000 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 33.335 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 36.64 Mbit/s

95th percentile per-packet one-way delay: 56.139 ms

Loss rate: 0.33%

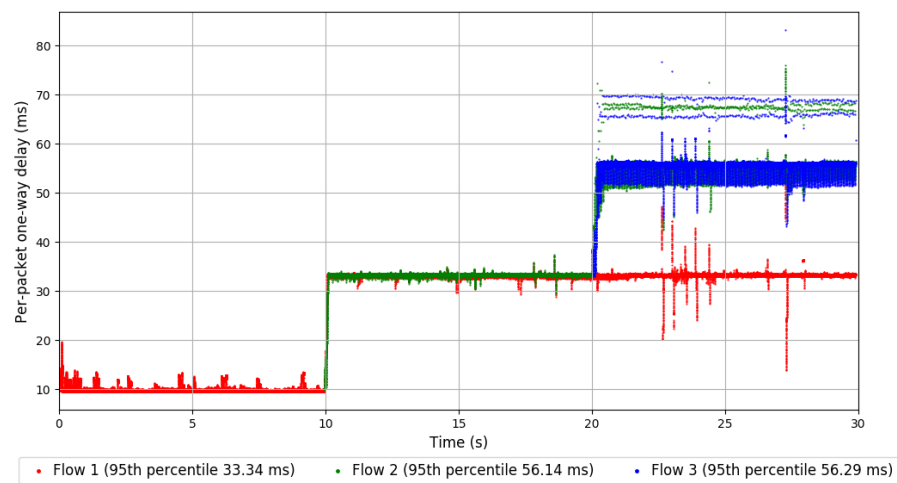
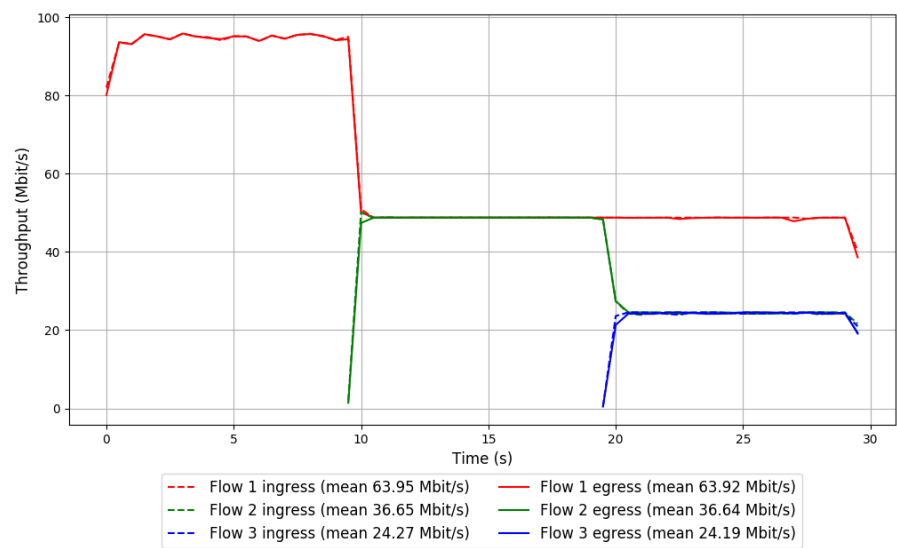
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 56.293 ms

Loss rate: 1.00%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Mon, 10 Jul 2017 00:32:18 +0000

End at: Mon, 10 Jul 2017 00:32:48 +0000

Local clock offset: 1.648 ms

Remote clock offset: -20.719 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 55.463 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 55.70 Mbit/s

95th percentile per-packet one-way delay: 55.430 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 36.55 Mbit/s

95th percentile per-packet one-way delay: 55.596 ms

Loss rate: 0.23%

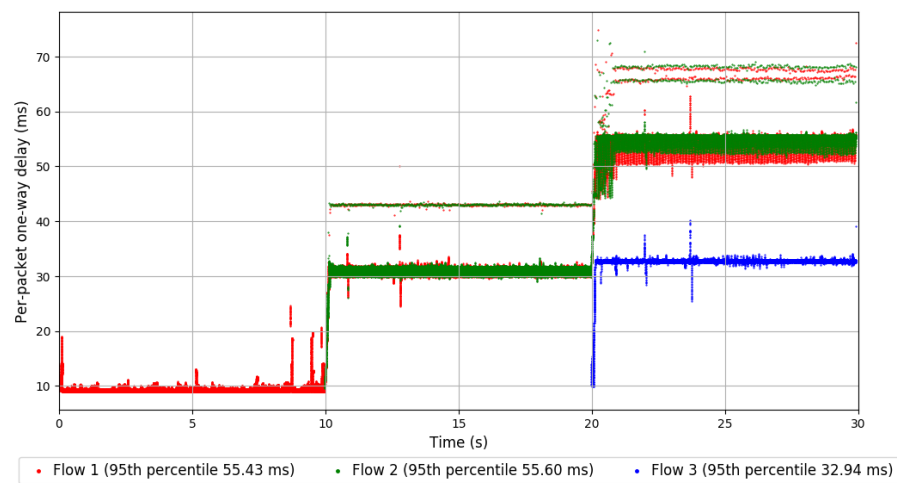
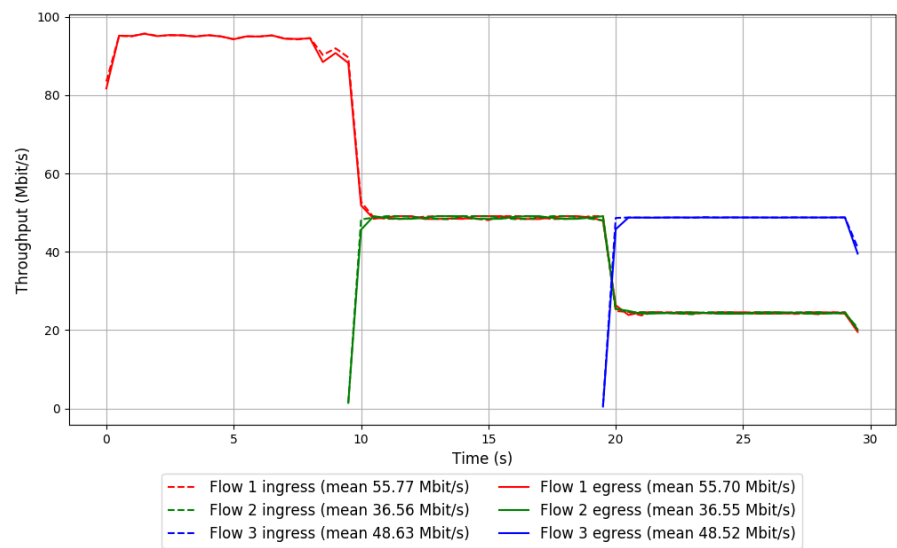
-- Flow 3:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 32.939 ms

Loss rate: 0.49%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Mon, 10 Jul 2017 00:50:23 +0000

End at: Mon, 10 Jul 2017 00:50:53 +0000

Local clock offset: 3.612 ms

Remote clock offset: -19.443 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 55.659 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 33.088 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.61 Mbit/s

95th percentile per-packet one-way delay: 55.786 ms

Loss rate: 0.24%

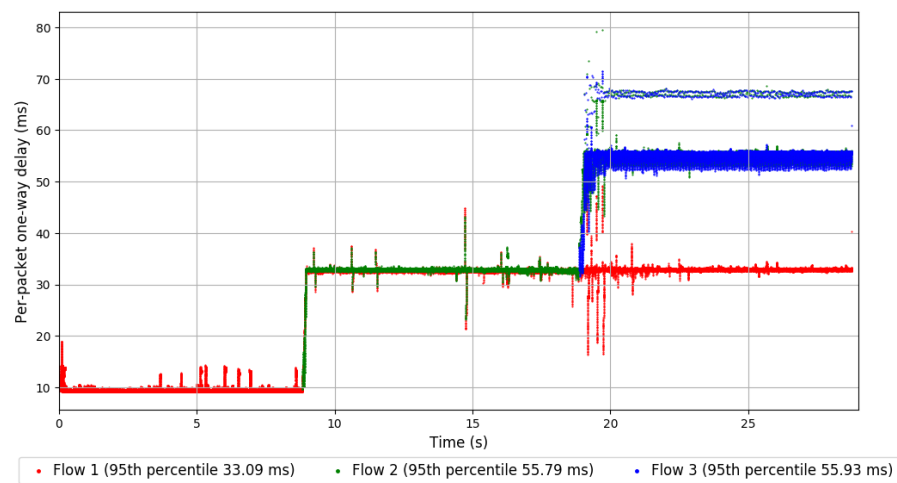
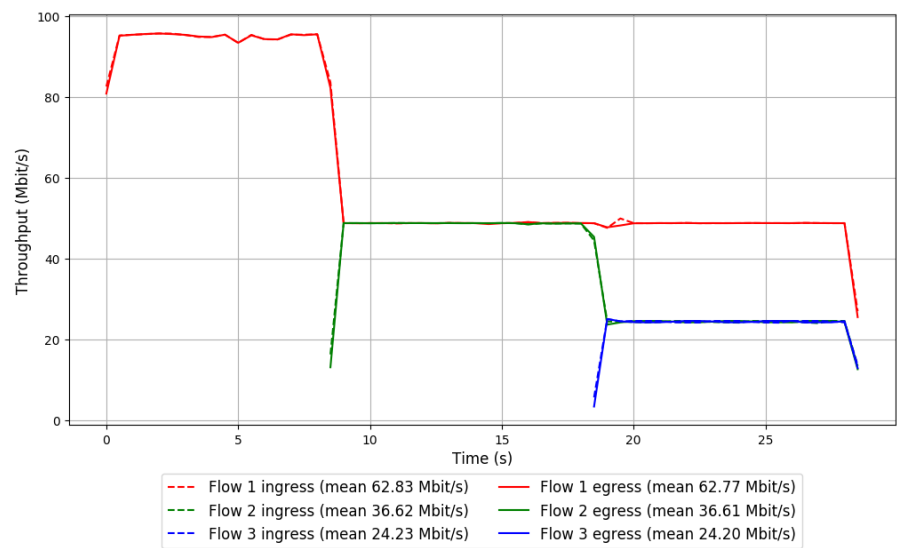
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 55.932 ms

Loss rate: 0.75%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Mon, 10 Jul 2017 01:08:34 +0000

End at: Mon, 10 Jul 2017 01:09:04 +0000

Local clock offset: 4.032 ms

Remote clock offset: -21.316 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 60.726 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 33.530 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 36.61 Mbit/s

95th percentile per-packet one-way delay: 61.484 ms

Loss rate: 0.27%

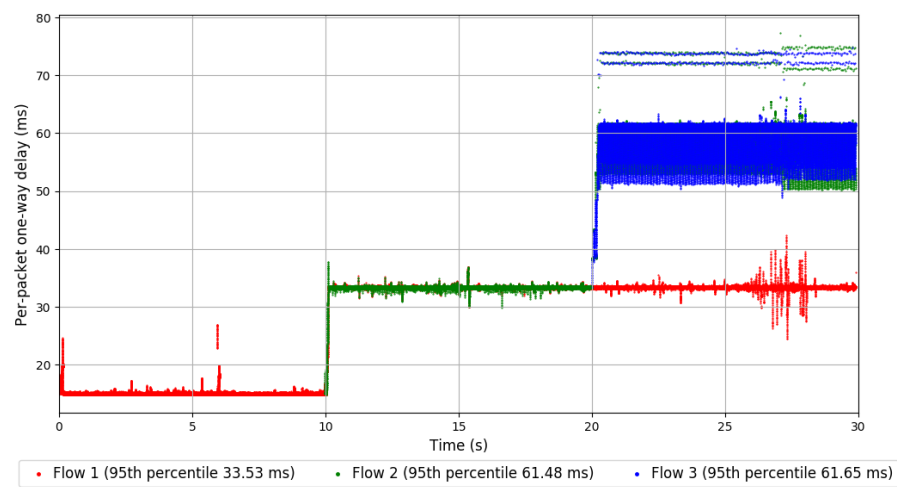
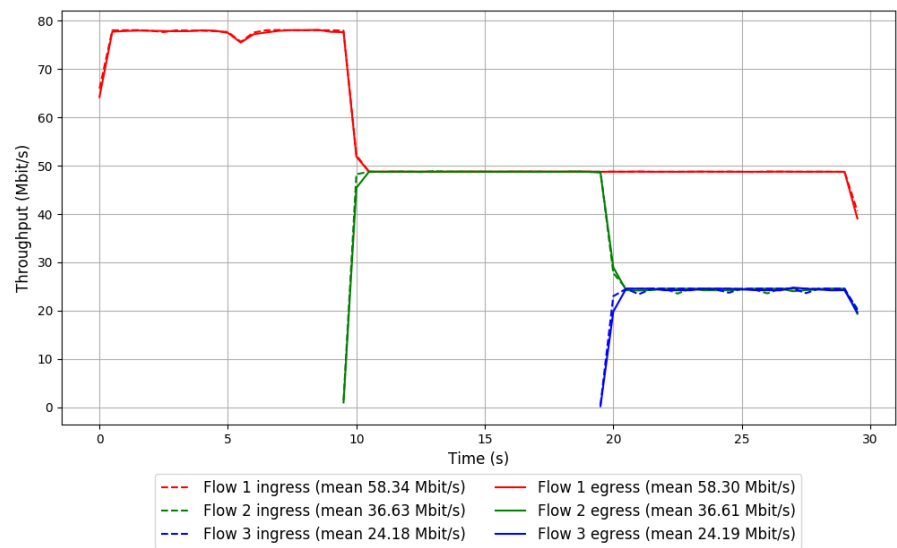
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 61.648 ms

Loss rate: 0.74%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Mon, 10 Jul 2017 01:26:58 +0000

End at: Mon, 10 Jul 2017 01:27:28 +0000

Local clock offset: 3.388 ms

Remote clock offset: -21.898 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 60.556 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 60.303 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 61.046 ms

Loss rate: 0.31%

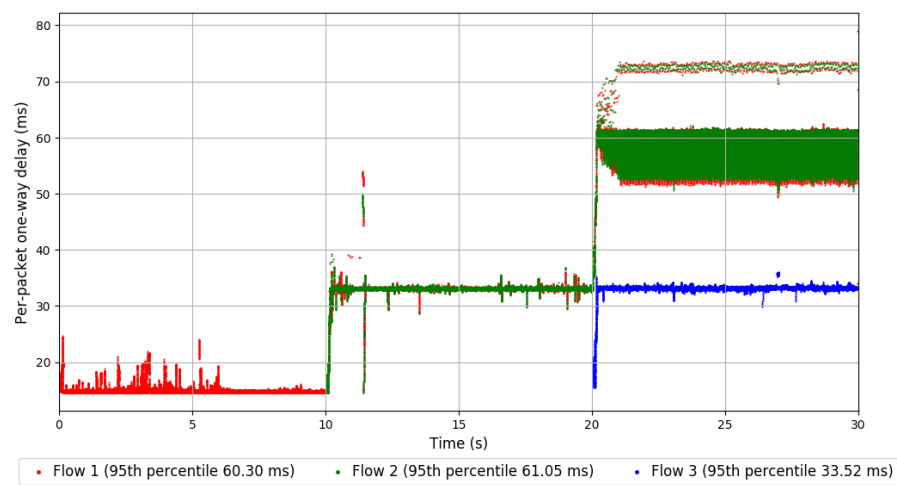
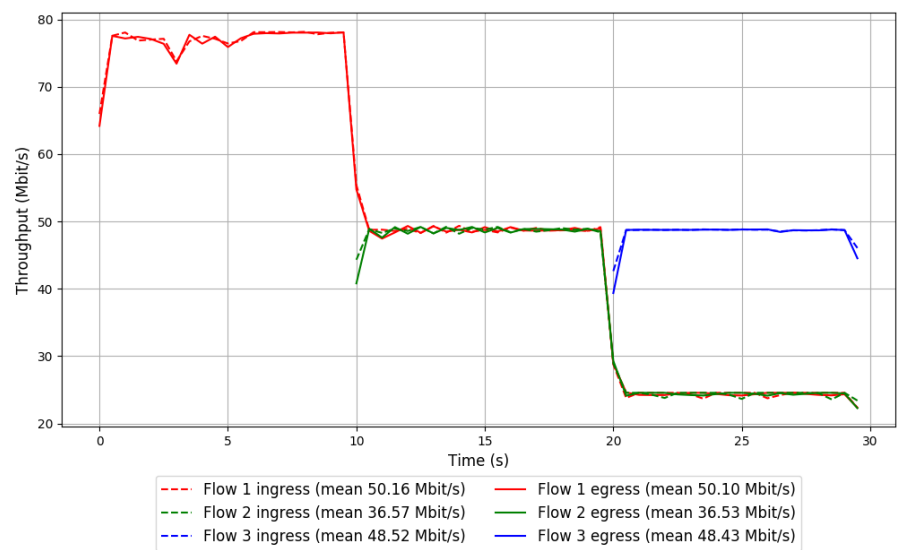
-- Flow 3:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 33.521 ms

Loss rate: 0.49%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Mon, 10 Jul 2017 01:45:04 +0000

End at: Mon, 10 Jul 2017 01:45:34 +0000

Local clock offset: 0.103 ms

Remote clock offset: -20.052 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 44.887 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 44.812 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.59 Mbit/s

95th percentile per-packet one-way delay: 44.877 ms

Loss rate: 0.25%

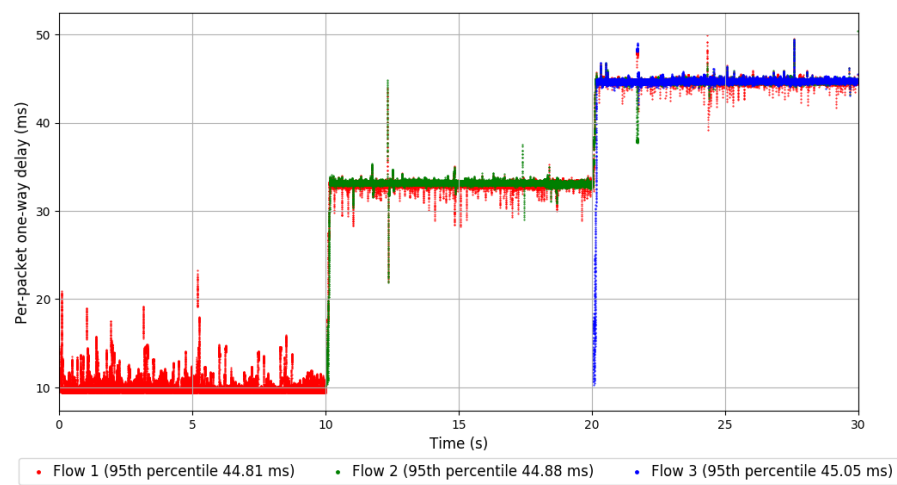
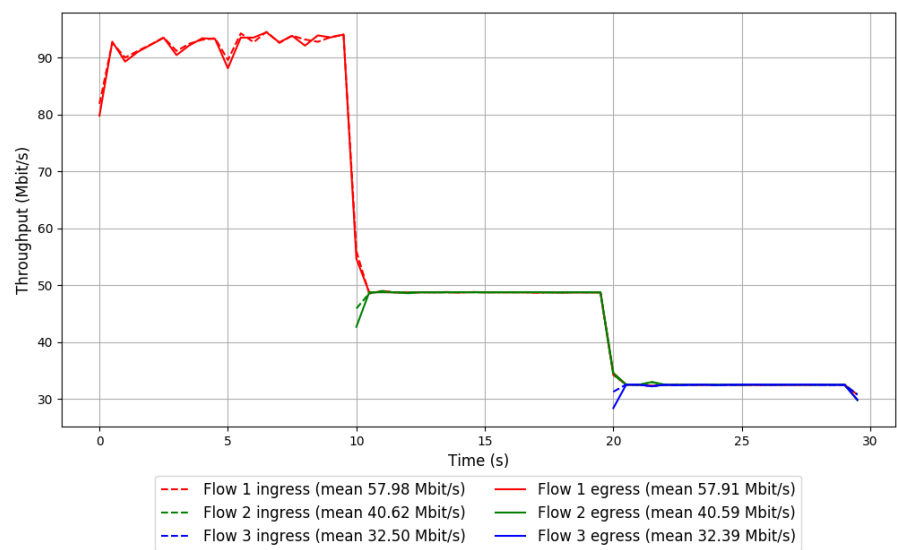
-- Flow 3:

Average throughput: 32.39 Mbit/s

95th percentile per-packet one-way delay: 45.047 ms

Loss rate: 0.59%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SReAM

Start at: Sun, 09 Jul 2017 23:04:25 +0000

End at: Sun, 09 Jul 2017 23:04:55 +0000

Local clock offset: 2.197 ms

Remote clock offset: -17.998 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.143 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.153 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.118 ms

Loss rate: 0.00%

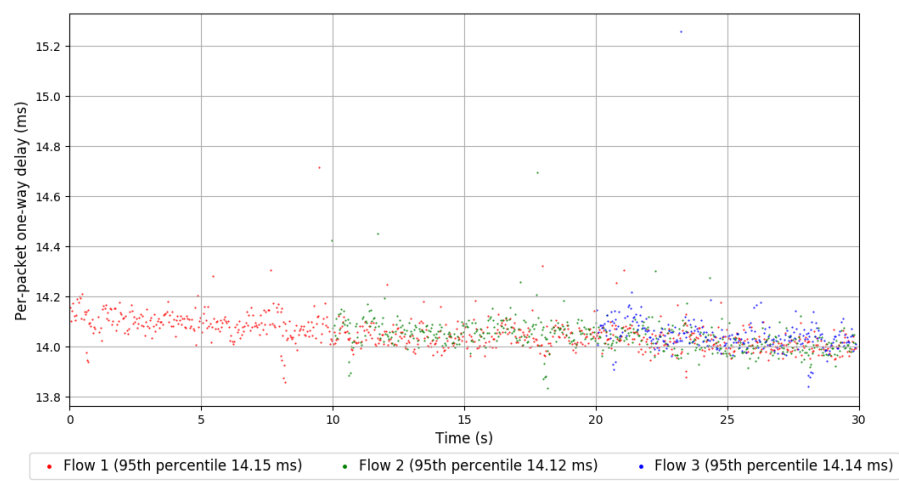
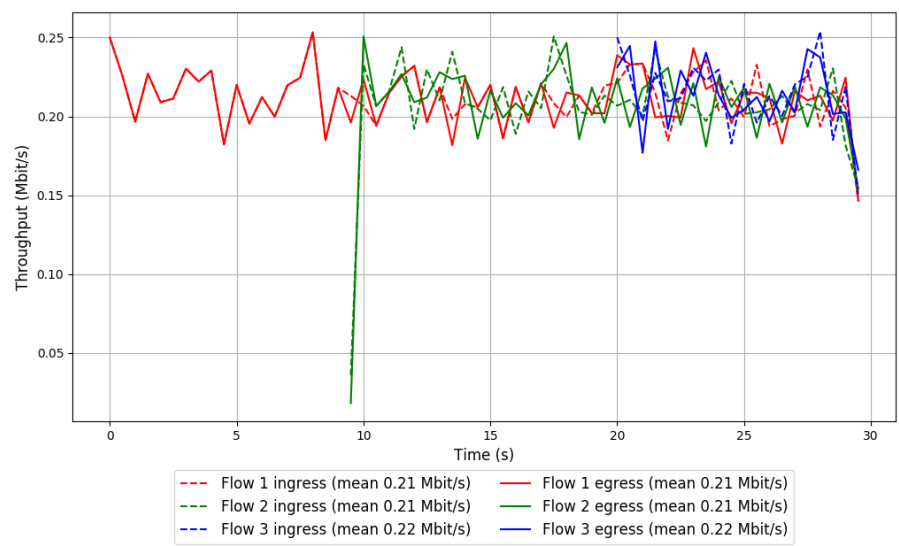
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.141 ms

Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:22:26 +0000

End at: Sun, 09 Jul 2017 23:22:56 +0000

Local clock offset: 1.66 ms

Remote clock offset: -19.163 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.108 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.113 ms

Loss rate: 0.00%

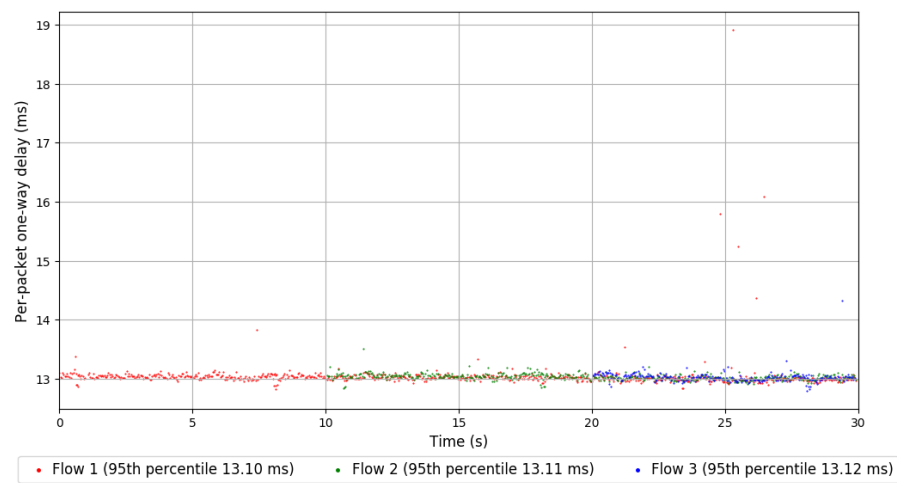
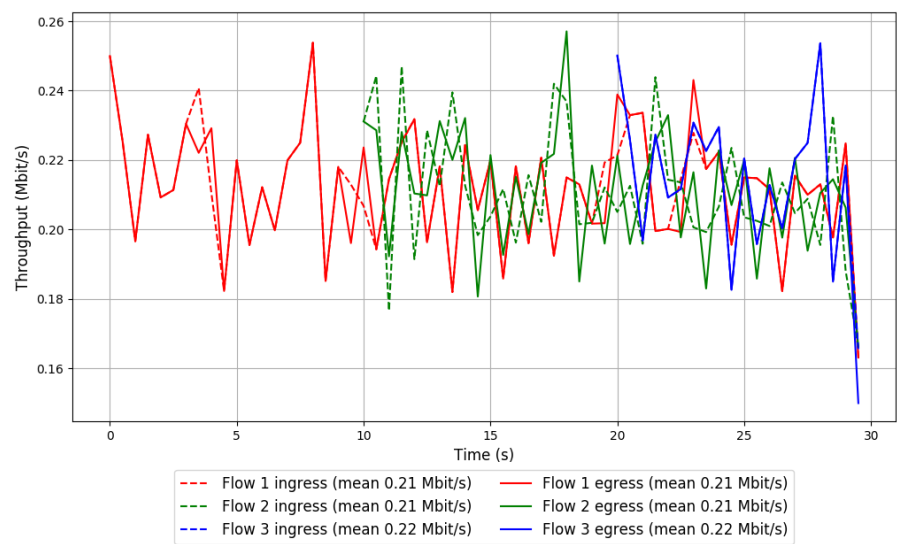
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.117 ms

Loss rate: 0.35%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:40:24 +0000

End at: Sun, 09 Jul 2017 23:40:54 +0000

Local clock offset: -0.332 ms

Remote clock offset: -17.822 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 11.930 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.935 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.919 ms

Loss rate: 0.00%

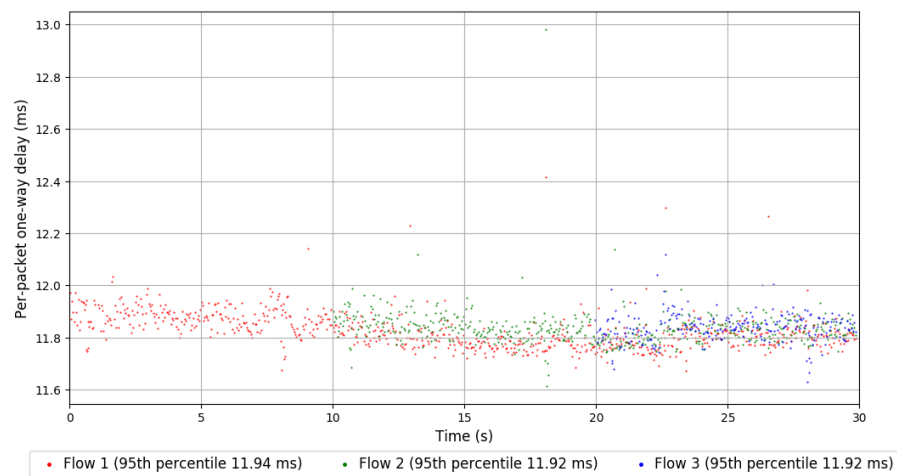
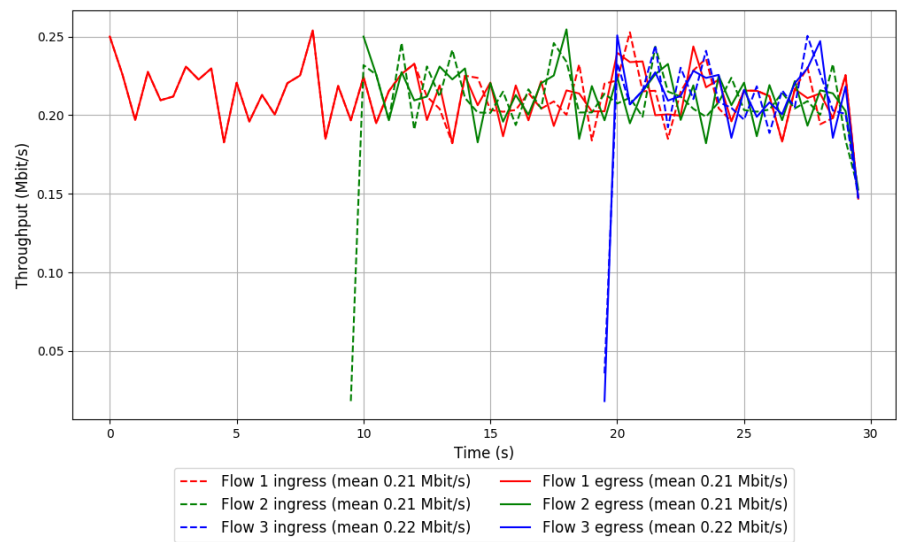
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 11.916 ms

Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:58:31 +0000

End at: Sun, 09 Jul 2017 23:59:01 +0000

Local clock offset: 0.28 ms

Remote clock offset: -19.36 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.519 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.529 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.519 ms

Loss rate: 0.19%

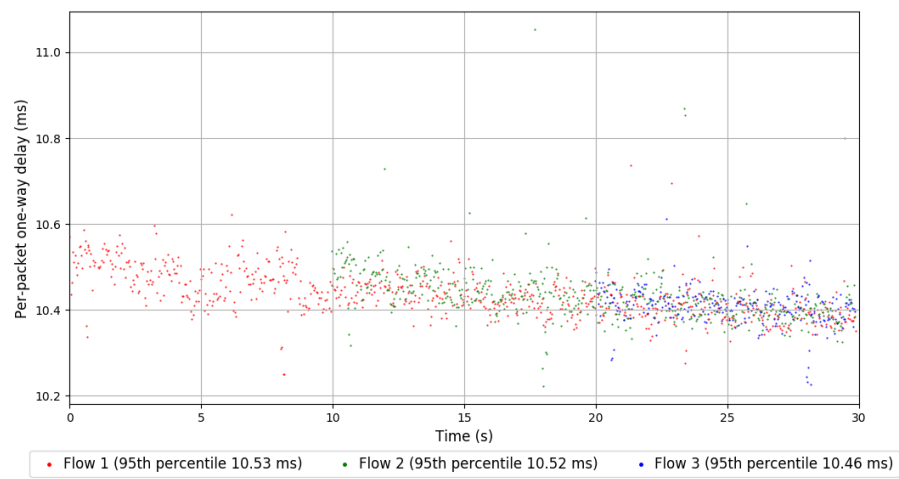
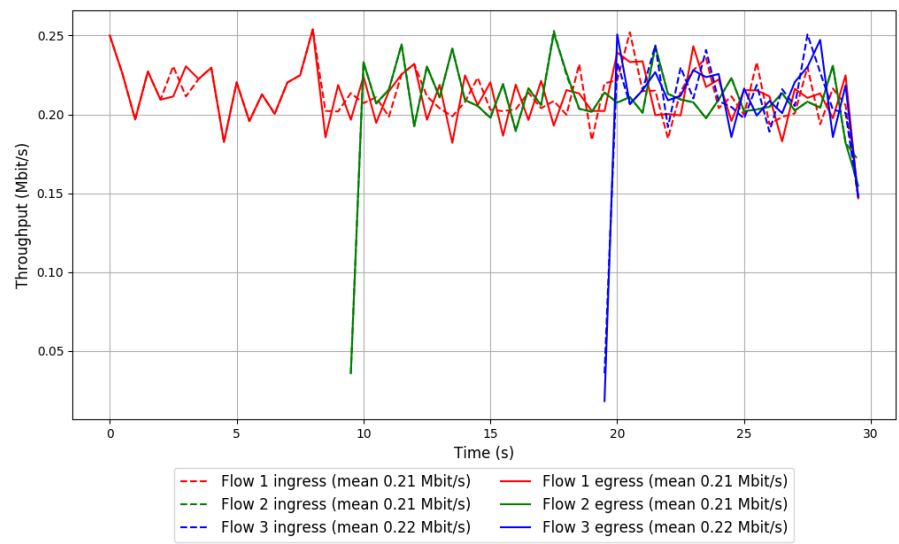
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.463 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: Mon, 10 Jul 2017 00:16:40 +0000

End at: Mon, 10 Jul 2017 00:17:10 +0000

Local clock offset: 4.081 ms

Remote clock offset: -18.68 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 9.458 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.453 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.391 ms

Loss rate: 0.20%

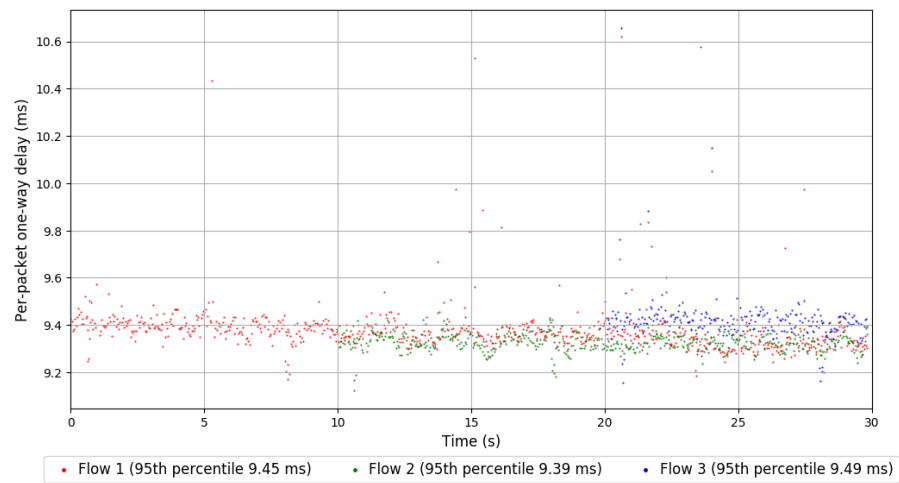
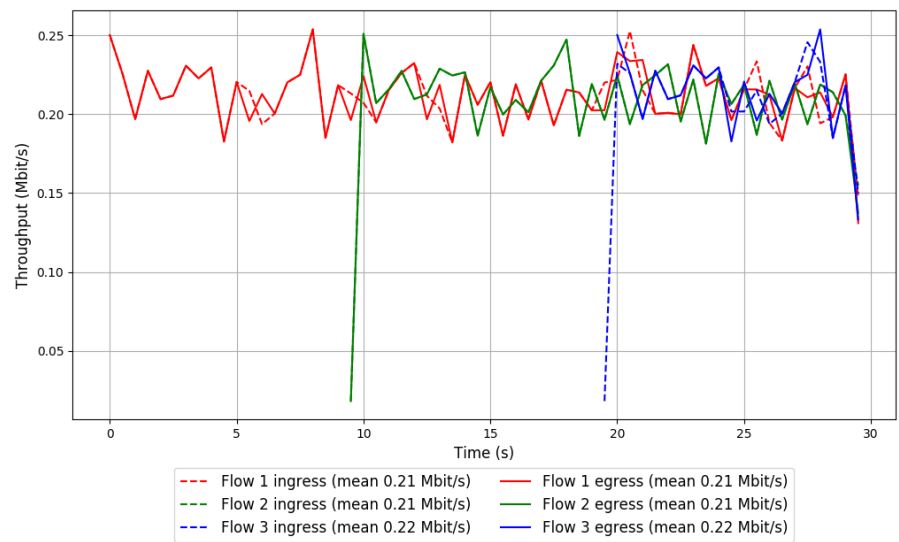
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.495 ms

Loss rate: 0.39%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: Mon, 10 Jul 2017 00:34:47 +0000

End at: Mon, 10 Jul 2017 00:35:17 +0000

Local clock offset: 4.29 ms

Remote clock offset: -18.794 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 9.251 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.242 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.257 ms

Loss rate: 0.21%

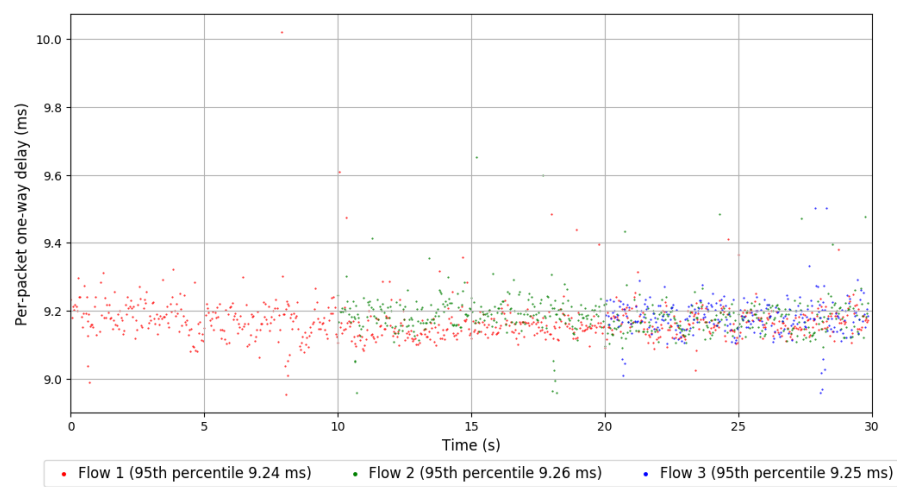
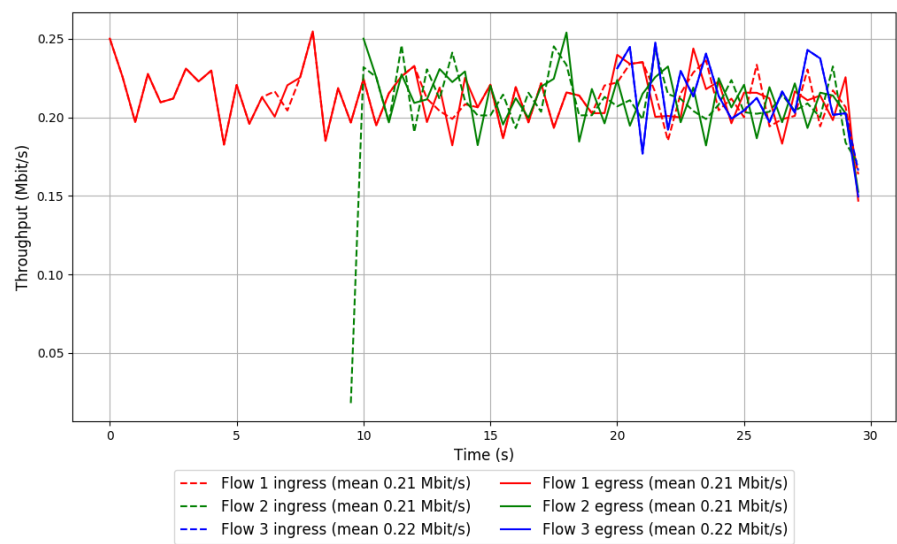
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.247 ms

Loss rate: 0.39%

Run 6: Report of SCReAM — Data Link



Run 7: Statistics of SReAM

Start at: Mon, 10 Jul 2017 00:52:49 +0000

End at: Mon, 10 Jul 2017 00:53:19 +0000

Local clock offset: 3.133 ms

Remote clock offset: -20.109 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 9.279 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.294 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.259 ms

Loss rate: 0.19%

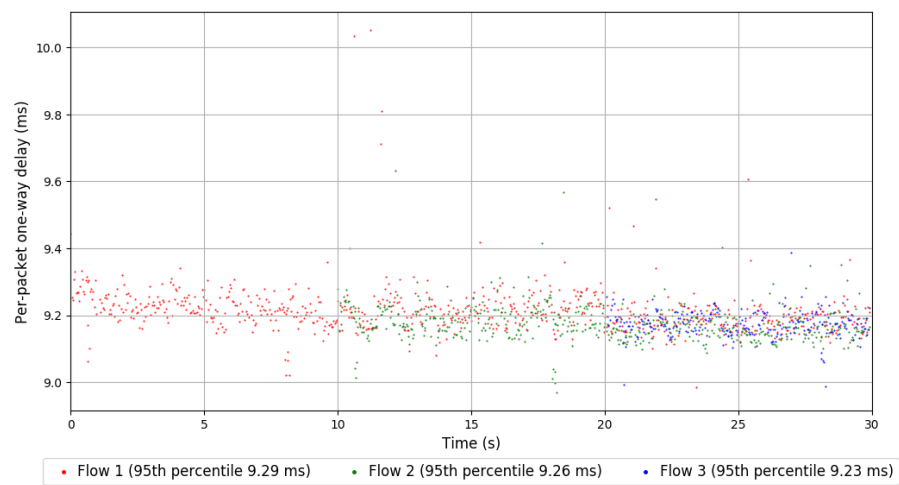
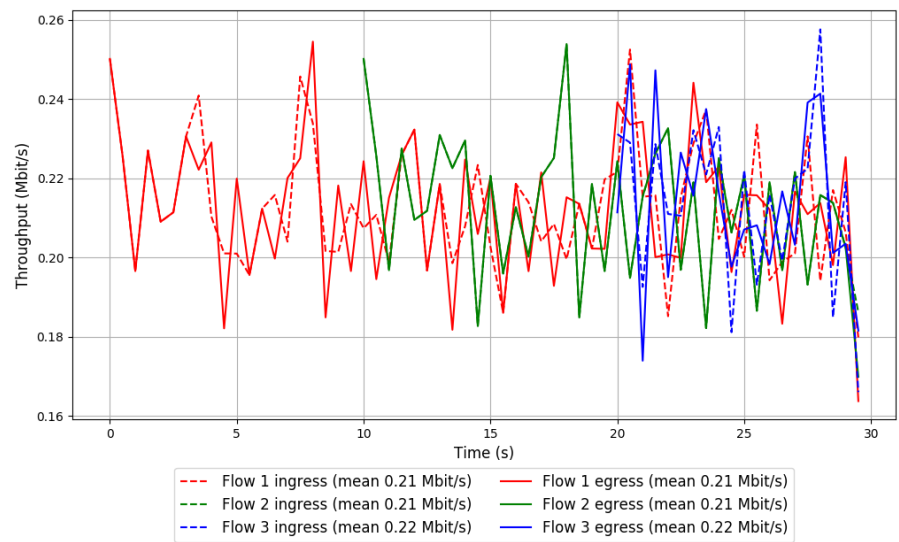
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.234 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: Mon, 10 Jul 2017 01:11:00 +0000

End at: Mon, 10 Jul 2017 01:11:30 +0000

Local clock offset: 4.579 ms

Remote clock offset: -19.356 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.968 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.978 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.947 ms

Loss rate: 0.00%

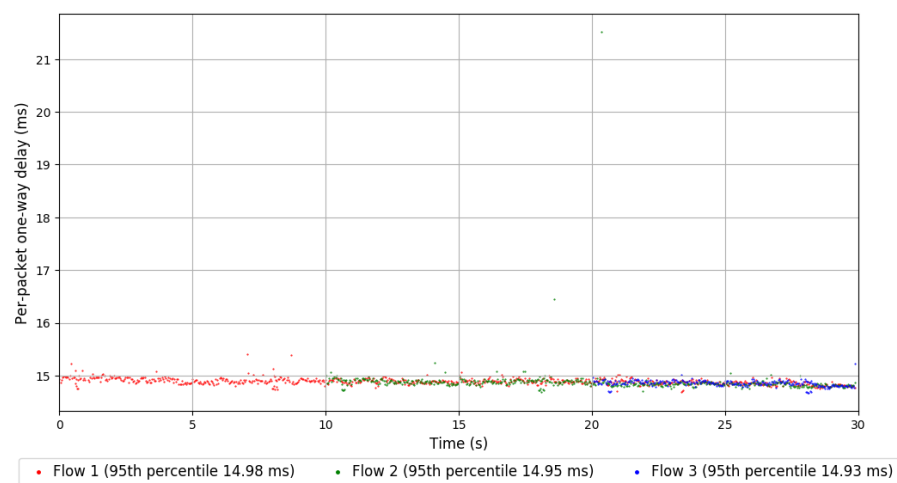
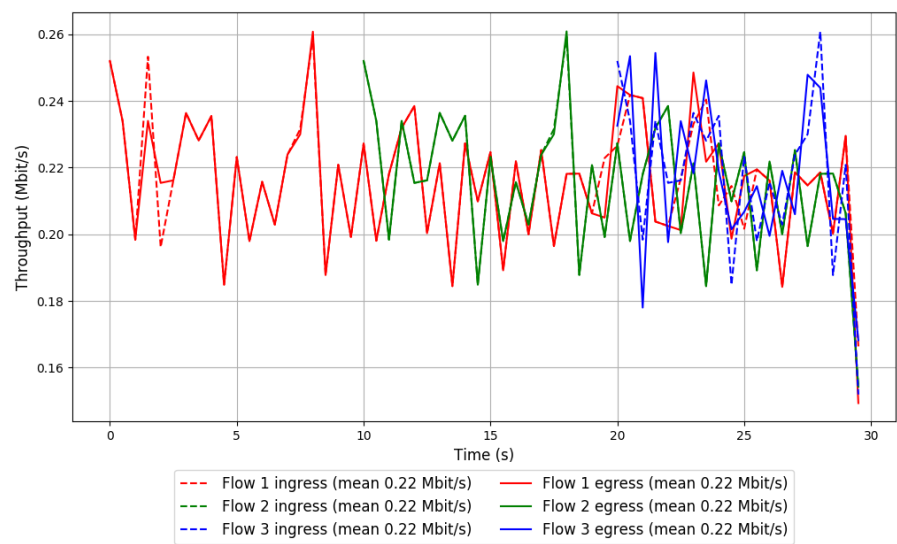
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.925 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: Mon, 10 Jul 2017 01:29:29 +0000

End at: Mon, 10 Jul 2017 01:29:59 +0000

Local clock offset: -4.797 ms

Remote clock offset: -25.932 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.693 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.693 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.694 ms

Loss rate: 0.00%

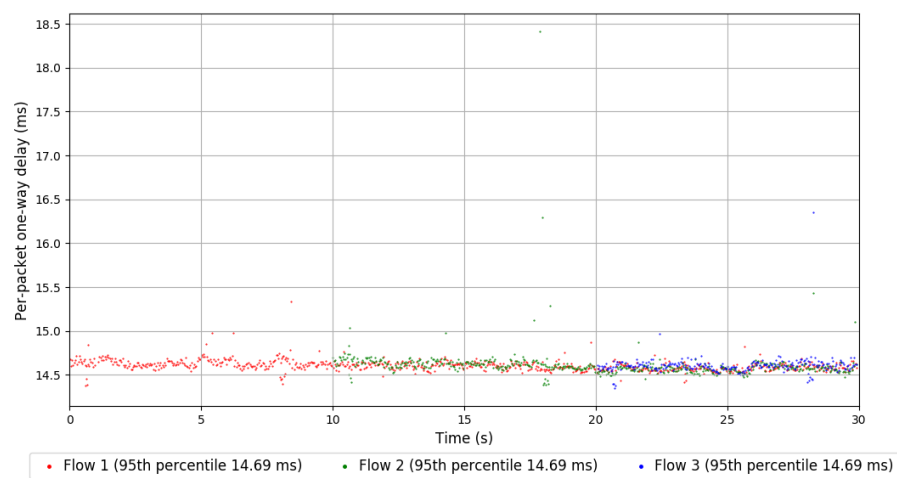
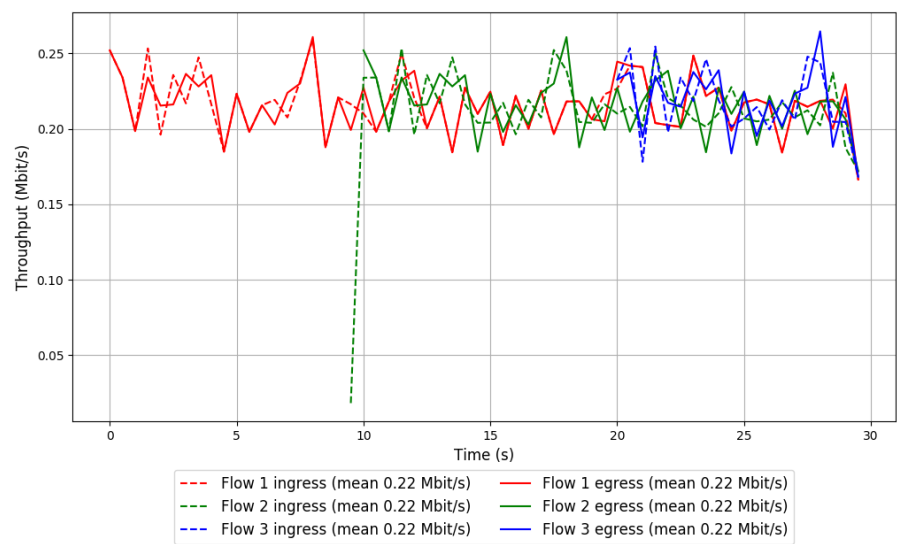
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.685 ms

Loss rate: 0.00%

Run 9: Report of SCRaM — Data Link



Run 10: Statistics of SCReAM

Start at: Mon, 10 Jul 2017 01:47:34 +0000

End at: Mon, 10 Jul 2017 01:48:04 +0000

Local clock offset: 3.151 ms

Remote clock offset: -19.923 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 9.851 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.875 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.797 ms

Loss rate: 0.20%

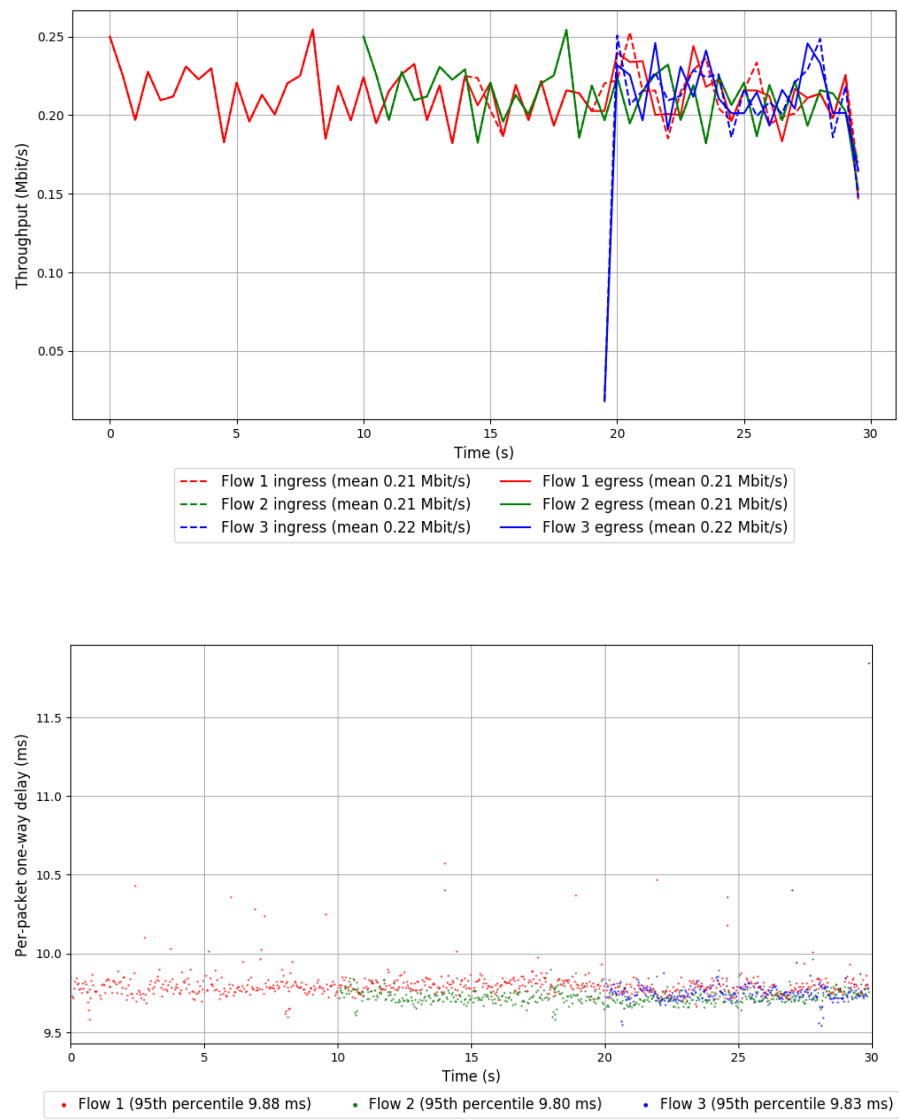
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.830 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:59:40 +0000

End at: Sun, 09 Jul 2017 23:00:10 +0000

Local clock offset: -1.625 ms

Remote clock offset: -17.644 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 24.197 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 23.882 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.24 Mbit/s

95th percentile per-packet one-way delay: 24.899 ms

Loss rate: 0.22%

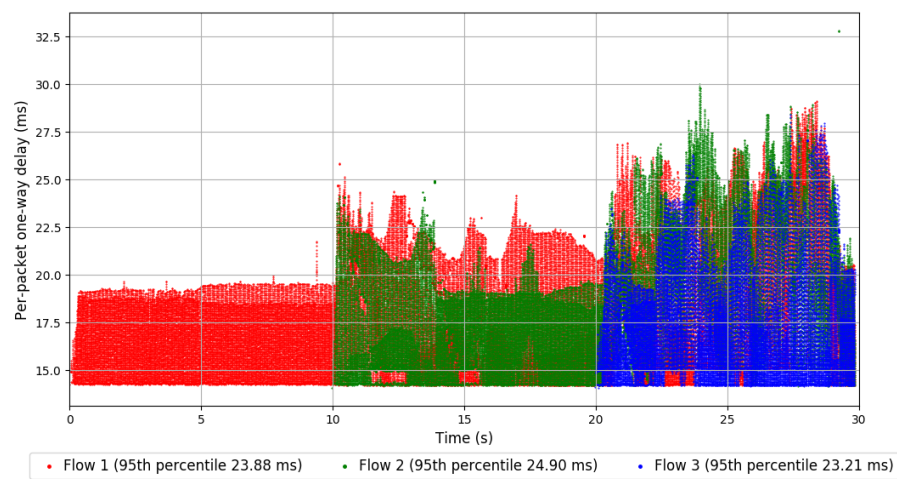
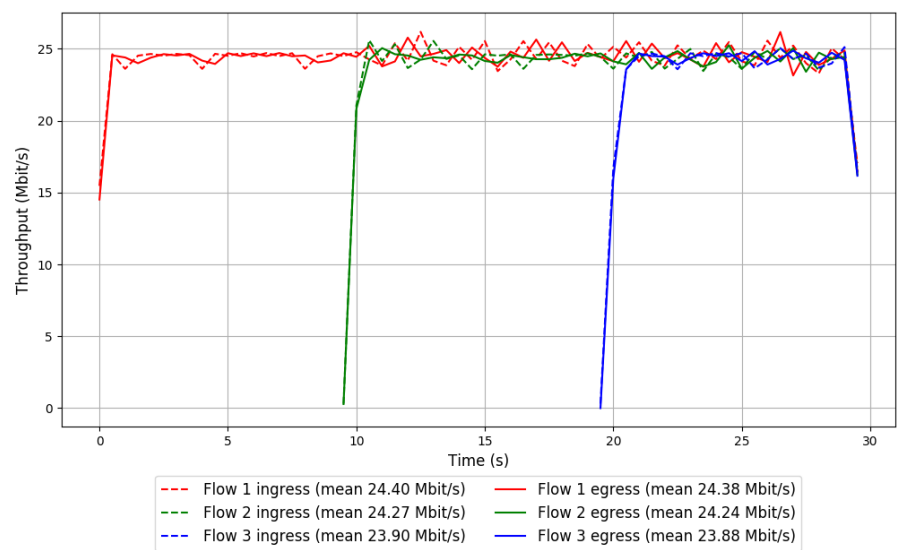
-- Flow 3:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 23.215 ms

Loss rate: 0.25%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:17:36 +0000

End at: Sun, 09 Jul 2017 23:18:06 +0000

Local clock offset: 0.954 ms

Remote clock offset: -16.647 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.83 Mbit/s

95th percentile per-packet one-way delay: 21.833 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 21.802 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 21.698 ms

Loss rate: 0.01%

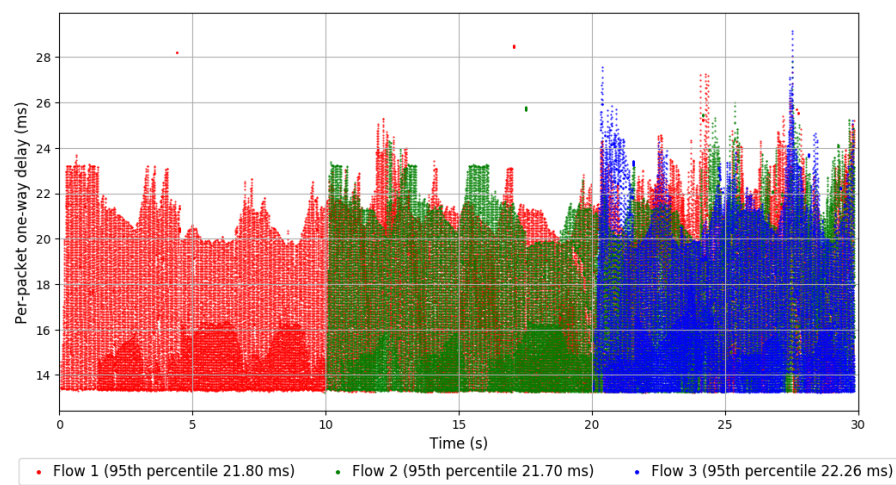
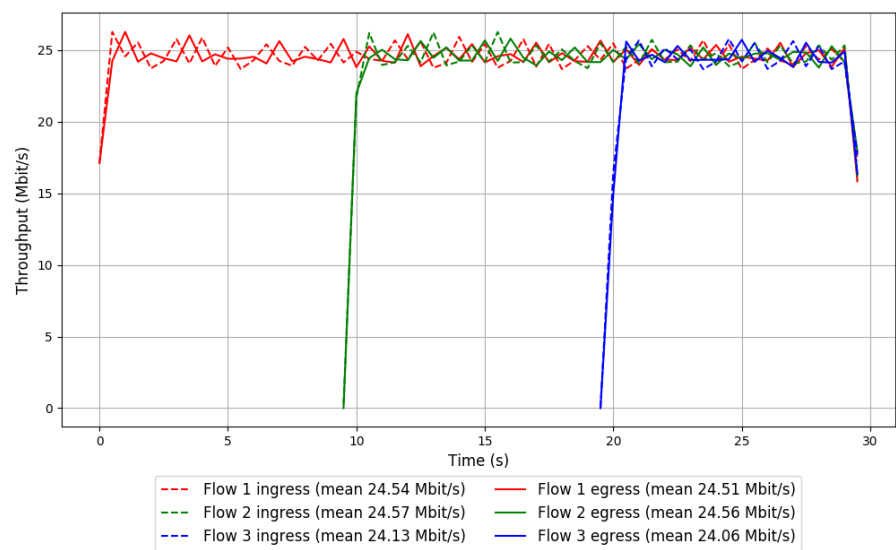
-- Flow 3:

Average throughput: 24.06 Mbit/s

95th percentile per-packet one-way delay: 22.264 ms

Loss rate: 0.46%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:35:38 +0000

End at: Sun, 09 Jul 2017 23:36:08 +0000

Local clock offset: -0.92 ms

Remote clock offset: -17.085 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.54 Mbit/s

95th percentile per-packet one-way delay: 20.104 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 19.816 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 19.858 ms

Loss rate: 0.03%

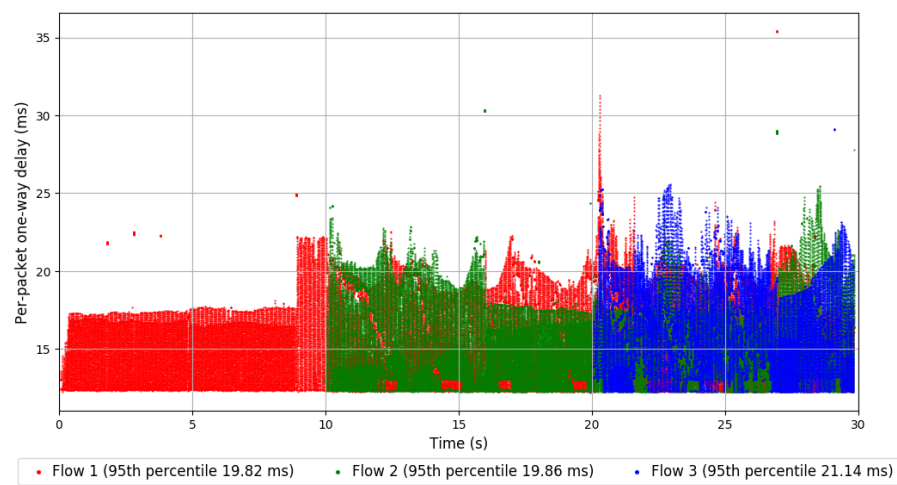
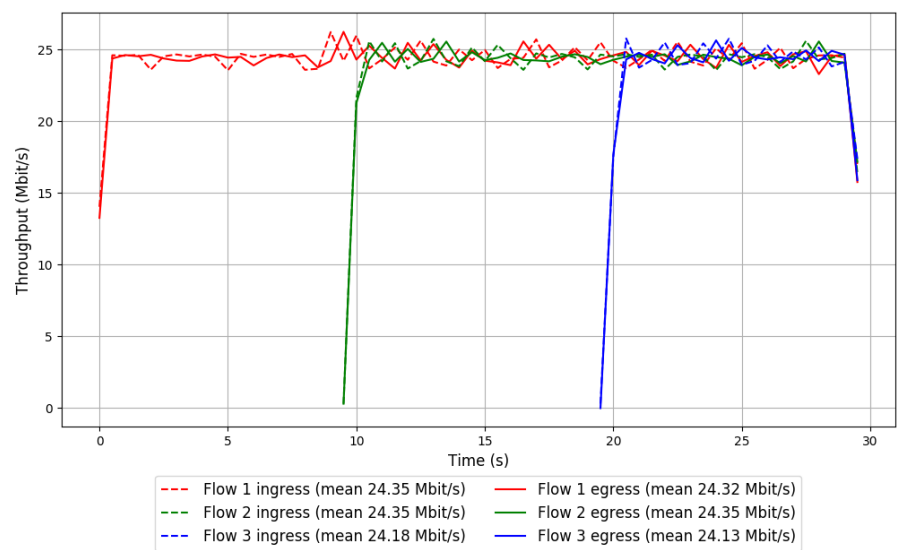
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 21.141 ms

Loss rate: 0.39%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:53:38 +0000

End at: Sun, 09 Jul 2017 23:54:08 +0000

Local clock offset: 3.593 ms

Remote clock offset: -18.904 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.61 Mbit/s

95th percentile per-packet one-way delay: 19.623 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 19.752 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 19.637 ms

Loss rate: 0.23%

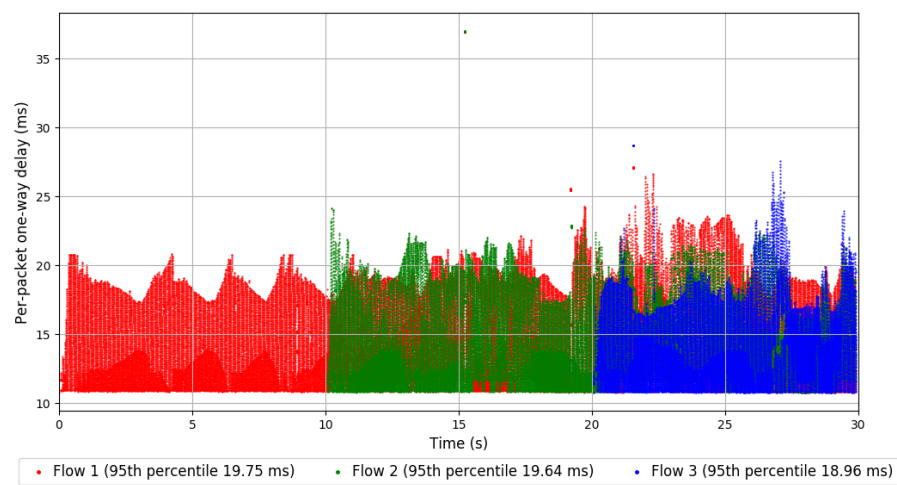
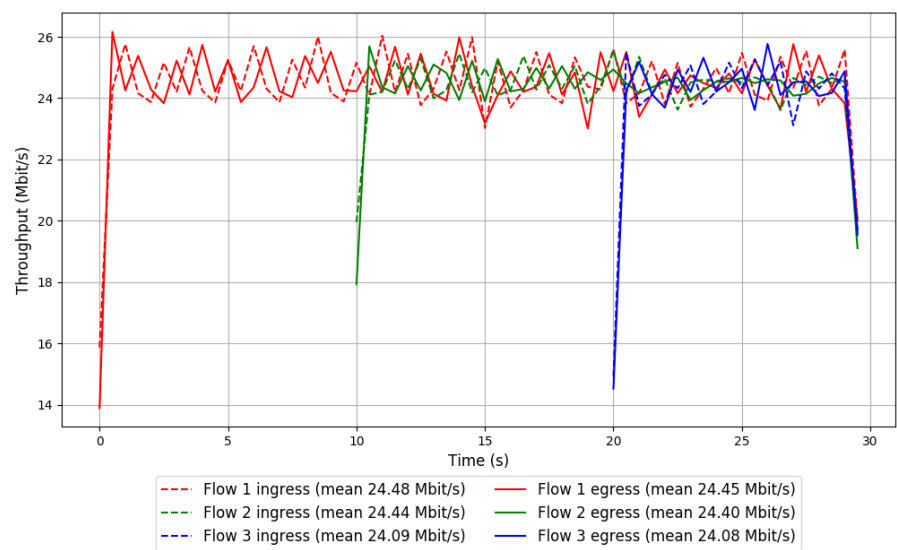
-- Flow 3:

Average throughput: 24.08 Mbit/s

95th percentile per-packet one-way delay: 18.963 ms

Loss rate: 0.16%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Mon, 10 Jul 2017 00:11:52 +0000

End at: Mon, 10 Jul 2017 00:12:22 +0000

Local clock offset: 2.441 ms

Remote clock offset: -20.358 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.61 Mbit/s

95th percentile per-packet one-way delay: 18.767 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 19.198 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 17.632 ms

Loss rate: 0.15%

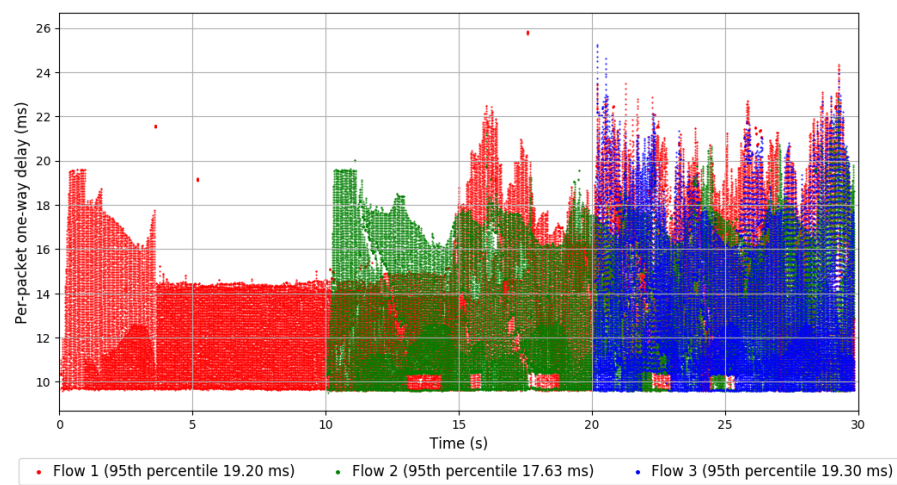
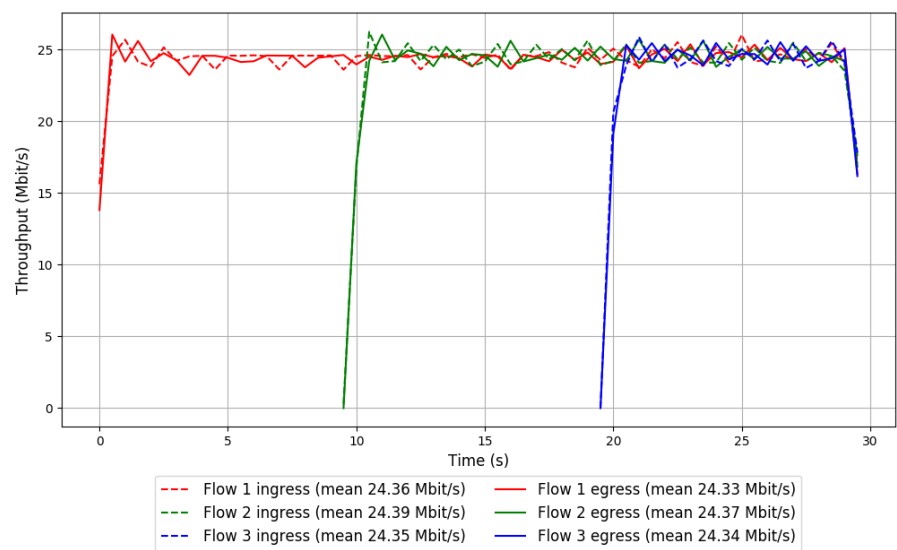
-- Flow 3:

Average throughput: 24.34 Mbit/s

95th percentile per-packet one-way delay: 19.298 ms

Loss rate: 0.41%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Mon, 10 Jul 2017 00:29:58 +0000

End at: Mon, 10 Jul 2017 00:30:28 +0000

Local clock offset: 3.687 ms

Remote clock offset: -19.128 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 18.806 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 18.294 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 19.127 ms

Loss rate: 0.21%

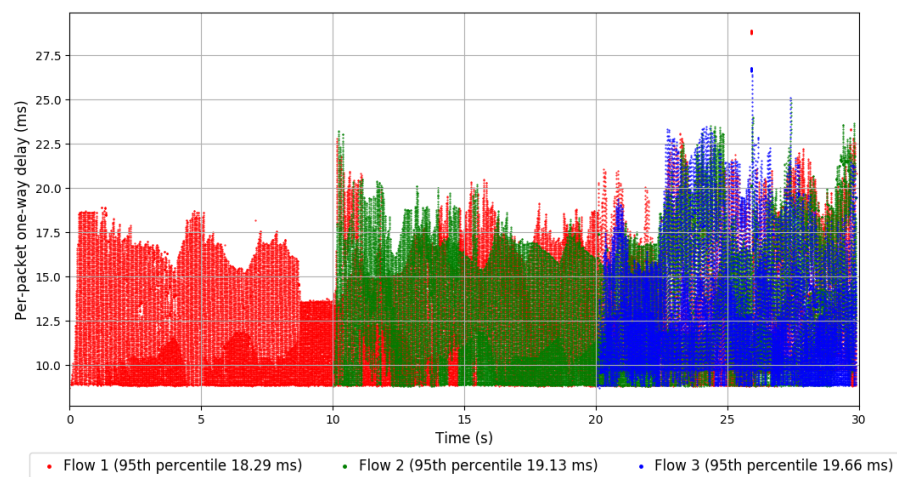
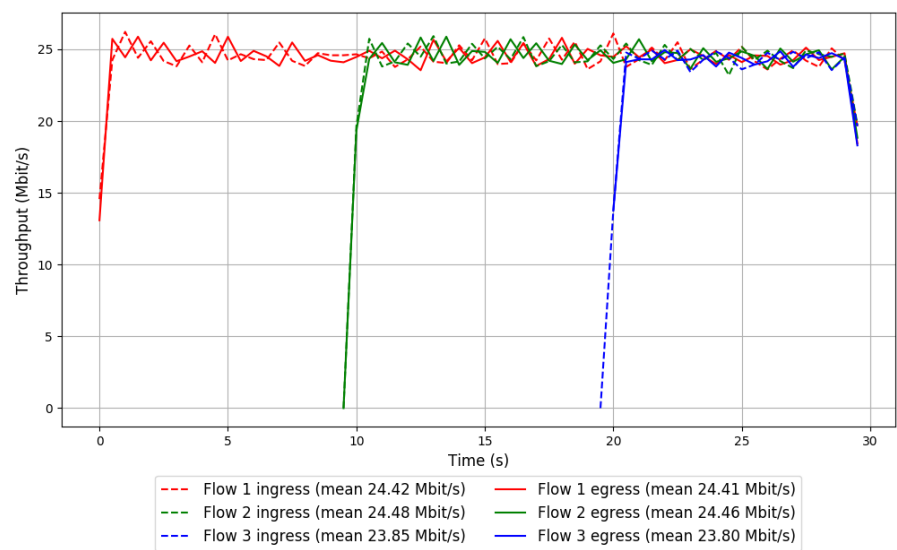
-- Flow 3:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 19.659 ms

Loss rate: 0.30%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Mon, 10 Jul 2017 00:48:01 +0000

End at: Mon, 10 Jul 2017 00:48:31 +0000

Local clock offset: 2.144 ms

Remote clock offset: -19.715 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.70 Mbit/s

95th percentile per-packet one-way delay: 22.253 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 21.912 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 22.244 ms

Loss rate: 0.19%

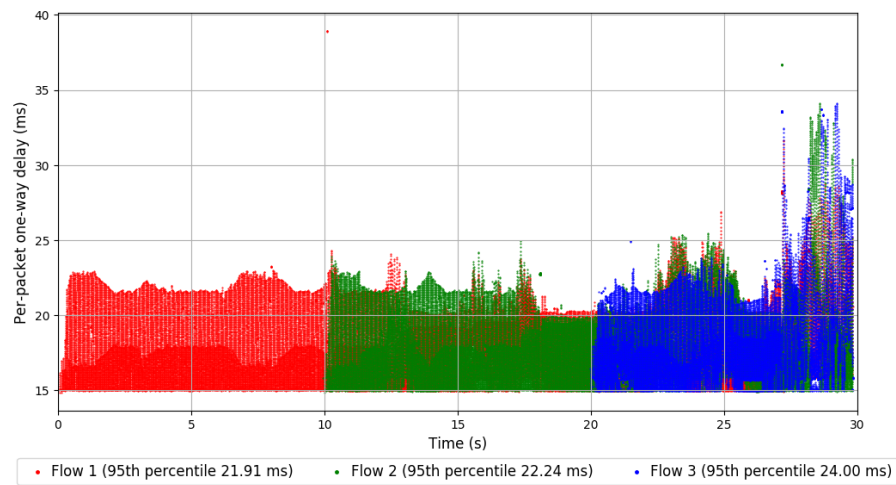
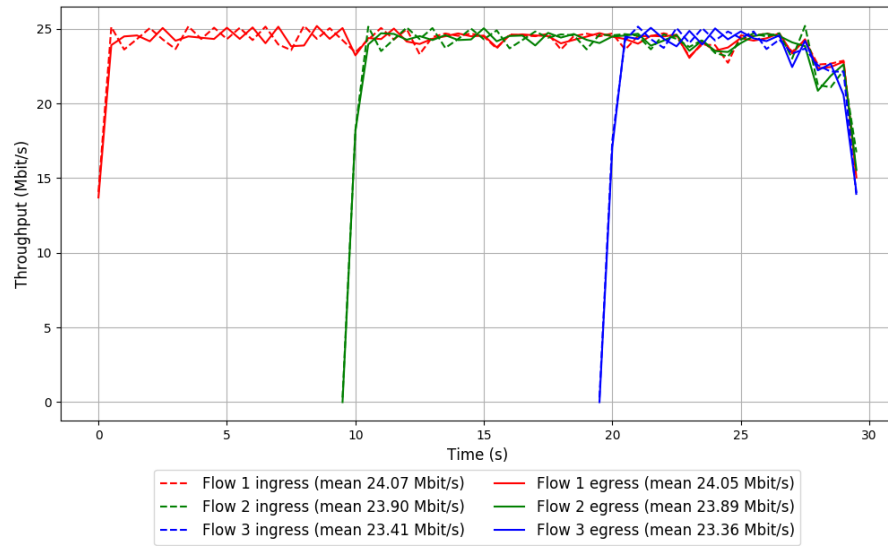
-- Flow 3:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 23.997 ms

Loss rate: 0.42%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Mon, 10 Jul 2017 01:06:11 +0000

End at: Mon, 10 Jul 2017 01:06:41 +0000

Local clock offset: 2.894 ms

Remote clock offset: -19.864 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.77 Mbit/s

95th percentile per-packet one-way delay: 25.421 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 25.517 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 23.284 ms

Loss rate: 0.21%

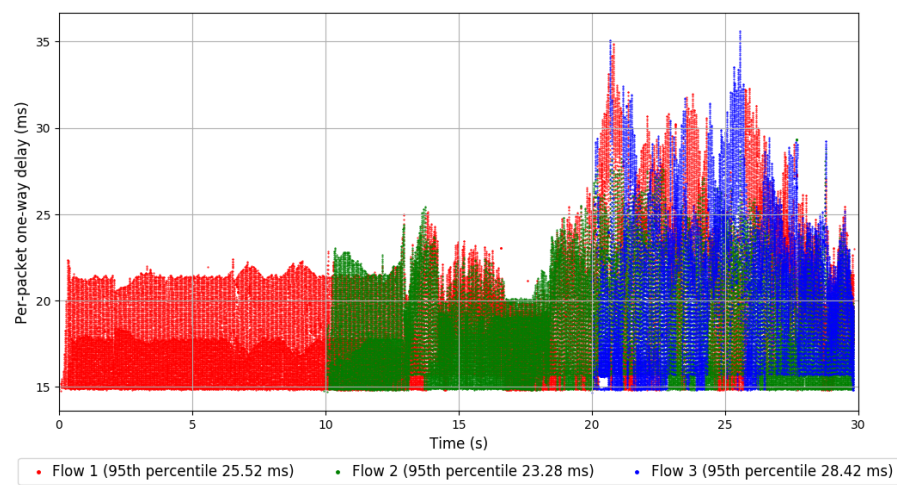
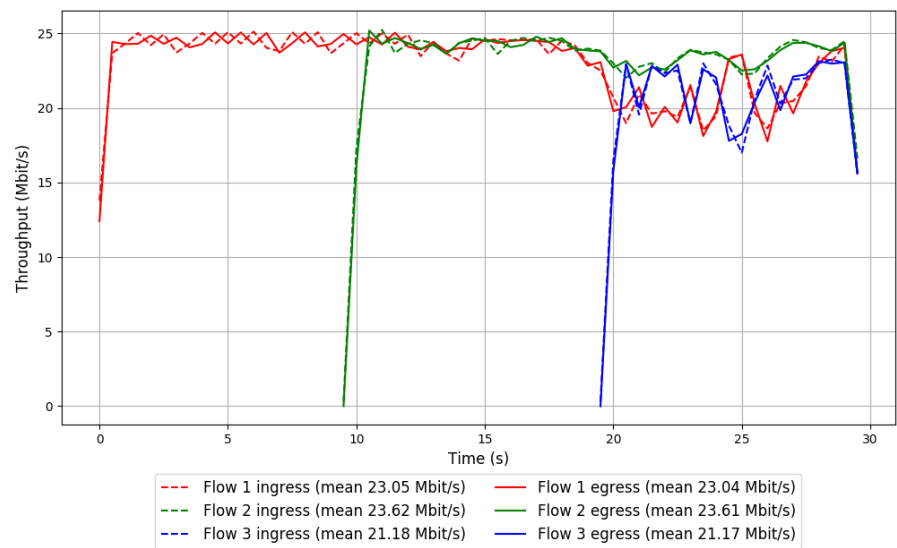
-- Flow 3:

Average throughput: 21.17 Mbit/s

95th percentile per-packet one-way delay: 28.416 ms

Loss rate: 0.23%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Mon, 10 Jul 2017 01:24:35 +0000

End at: Mon, 10 Jul 2017 01:25:05 +0000

Local clock offset: 2.973 ms

Remote clock offset: -19.676 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.43 Mbit/s

95th percentile per-packet one-way delay: 24.541 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 23.113 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 25.840 ms

Loss rate: 0.21%

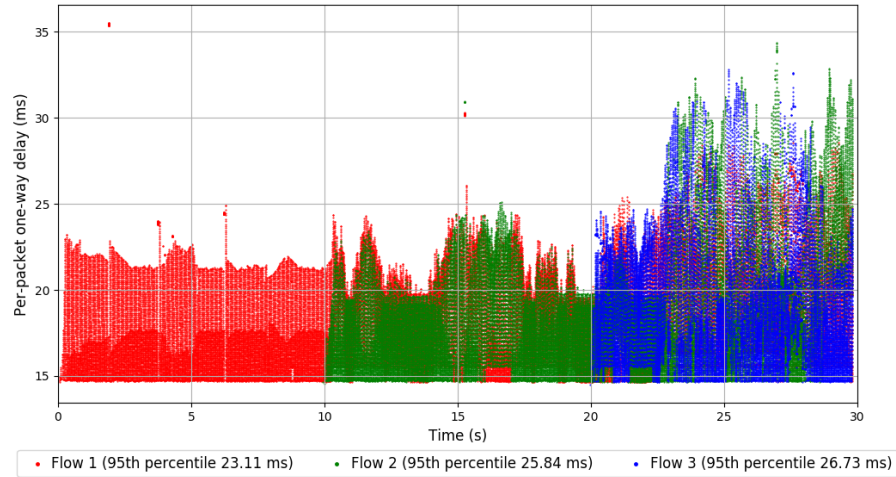
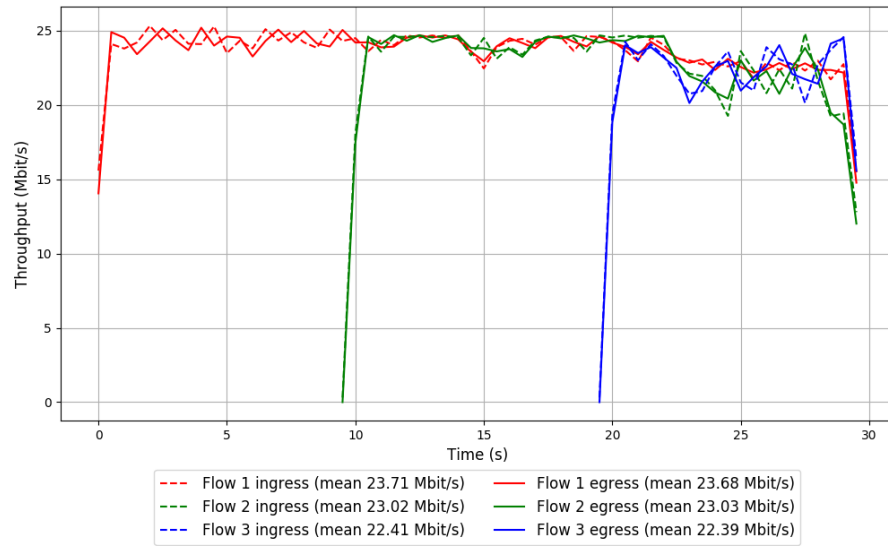
-- Flow 3:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: 26.735 ms

Loss rate: 0.39%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Mon, 10 Jul 2017 01:42:42 +0000

End at: Mon, 10 Jul 2017 01:43:12 +0000

Local clock offset: 3.419 ms

Remote clock offset: -21.354 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.66 Mbit/s

95th percentile per-packet one-way delay: 18.378 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 16.969 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 19.267 ms

Loss rate: 0.13%

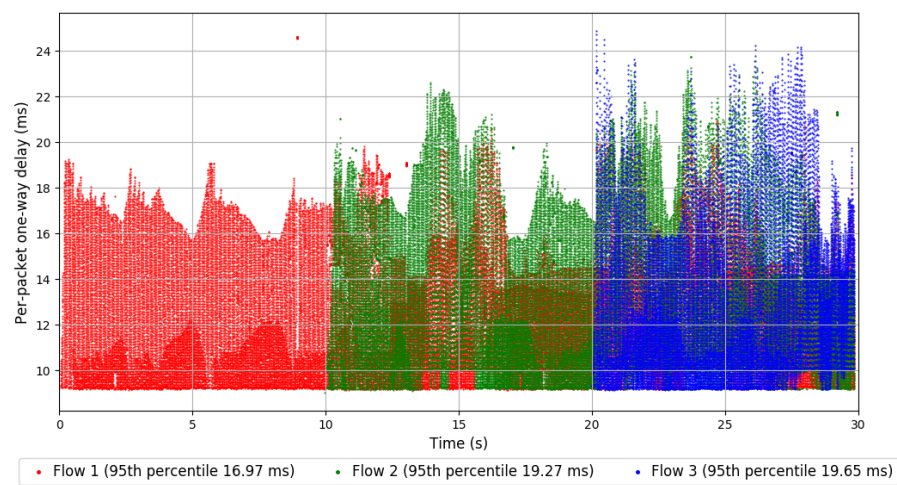
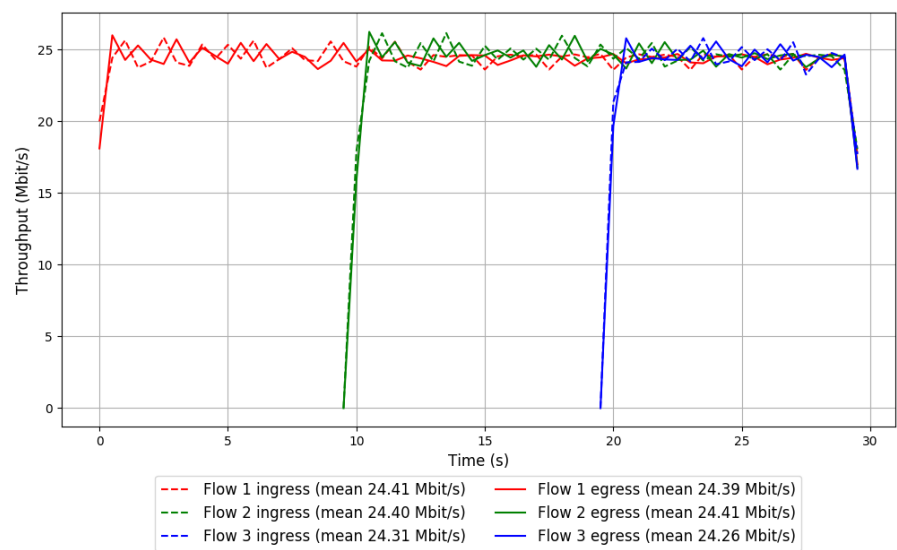
-- Flow 3:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 19.648 ms

Loss rate: 0.40%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:11:29 +0000

End at: Sun, 09 Jul 2017 23:11:59 +0000

Local clock offset: 0.877 ms

Remote clock offset: -15.657 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 51.369 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 54.65 Mbit/s

95th percentile per-packet one-way delay: 51.046 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 35.79 Mbit/s

95th percentile per-packet one-way delay: 52.080 ms

Loss rate: 0.34%

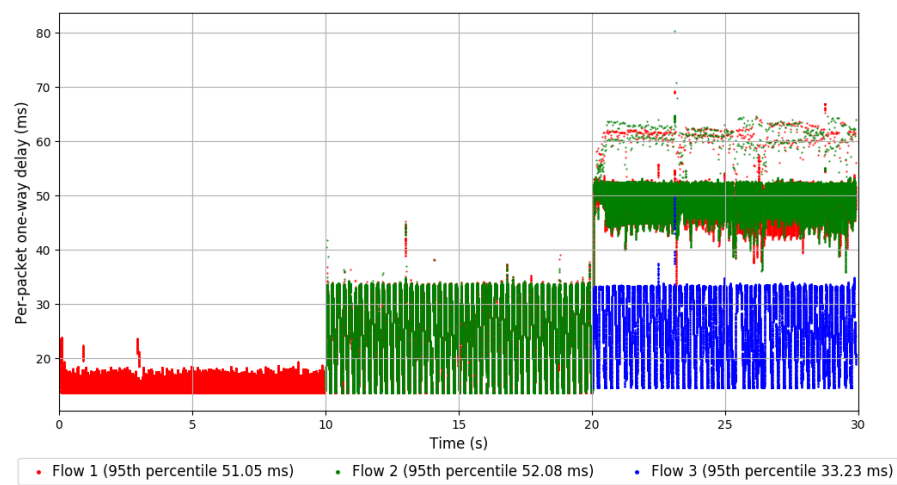
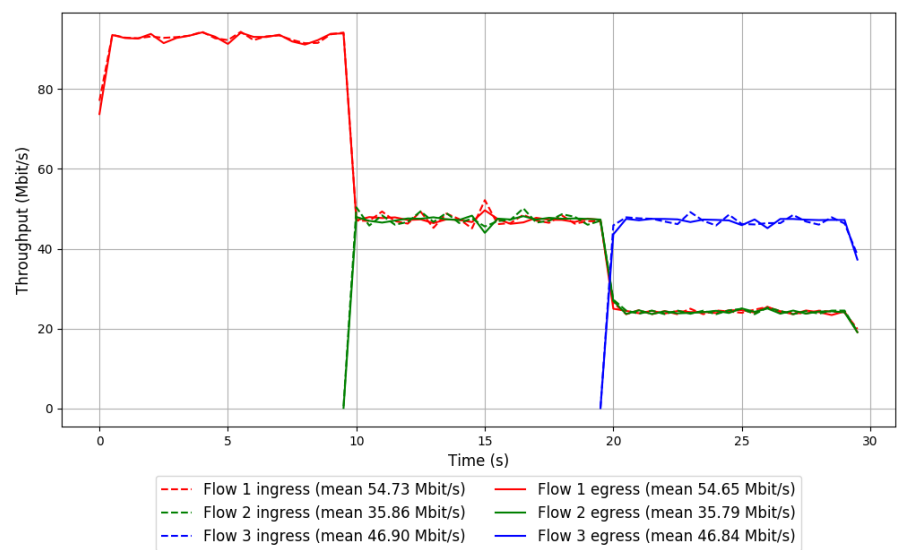
-- Flow 3:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 33.235 ms

Loss rate: 0.34%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:29:29 +0000

End at: Sun, 09 Jul 2017 23:29:59 +0000

Local clock offset: 2.401 ms

Remote clock offset: -18.589 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 42.164 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 42.104 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 42.177 ms

Loss rate: 0.22%

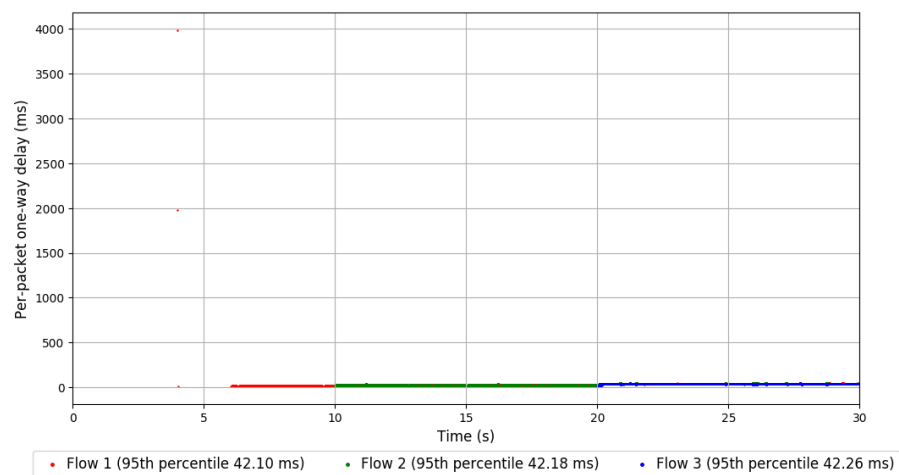
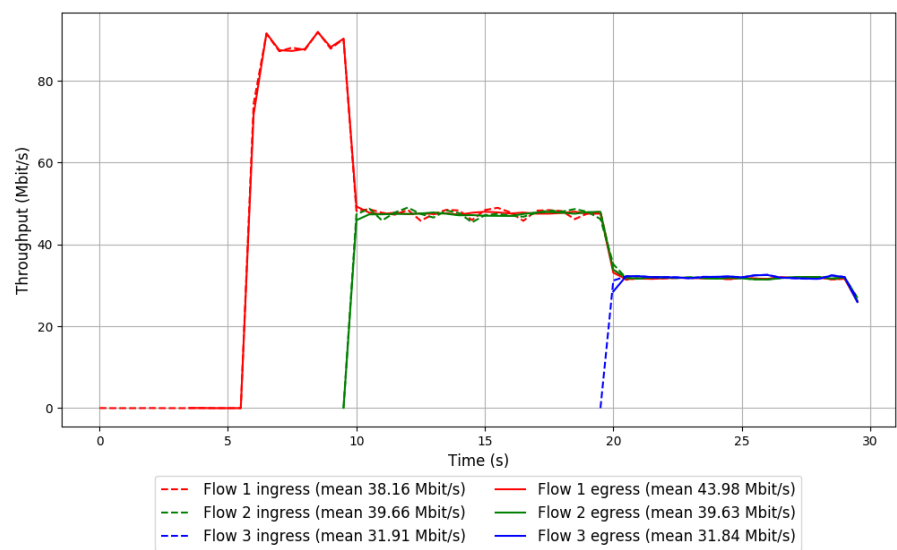
-- Flow 3:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 42.264 ms

Loss rate: 0.55%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:47:27 +0000

End at: Sun, 09 Jul 2017 23:47:57 +0000

Local clock offset: 2.411 ms

Remote clock offset: -20.052 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 40.750 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 40.502 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 40.822 ms

Loss rate: 0.76%

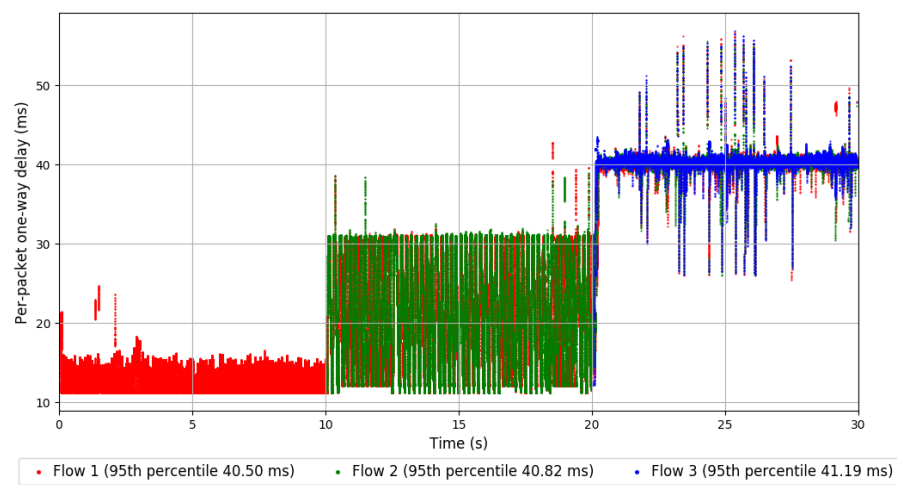
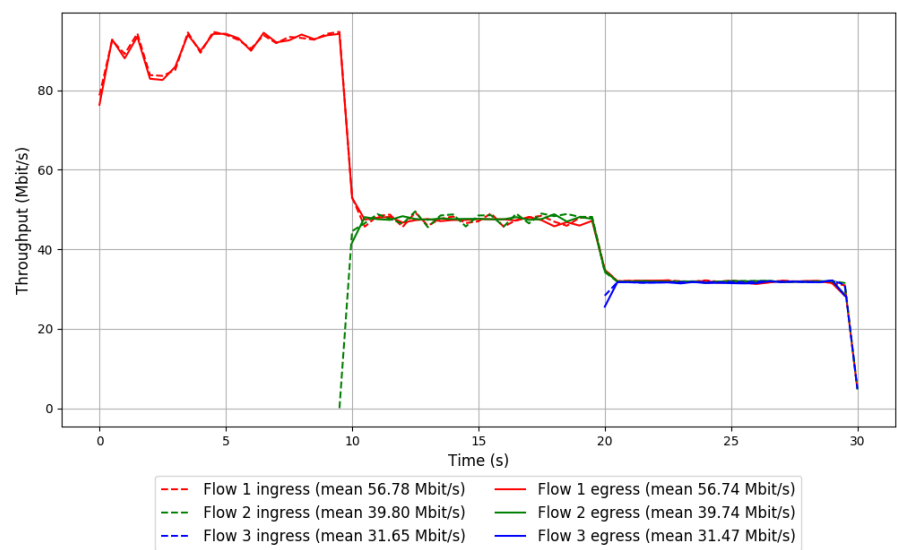
-- Flow 3:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 41.190 ms

Loss rate: 1.91%

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



Run 4: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:05:39 +0000

End at: Mon, 10 Jul 2017 00:06:09 +0000

Local clock offset: 0.923 ms

Remote clock offset: -19.822 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 39.430 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 39.347 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 39.385 ms

Loss rate: 0.23%

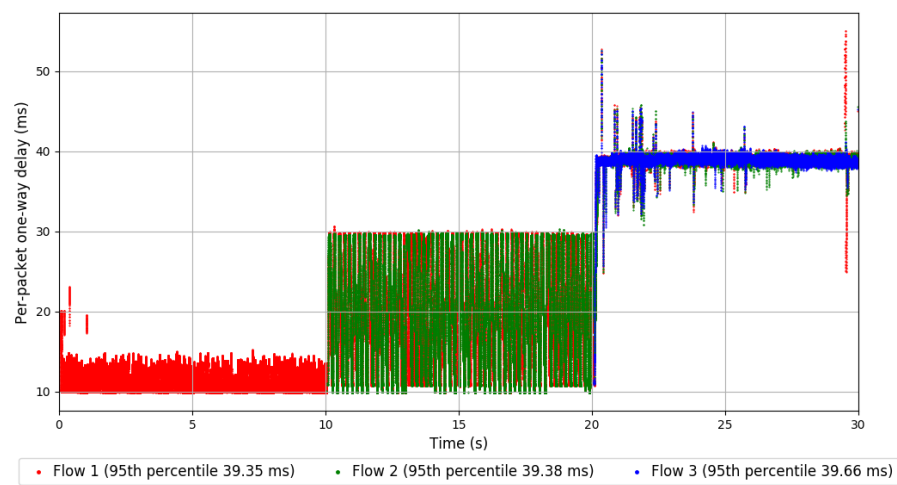
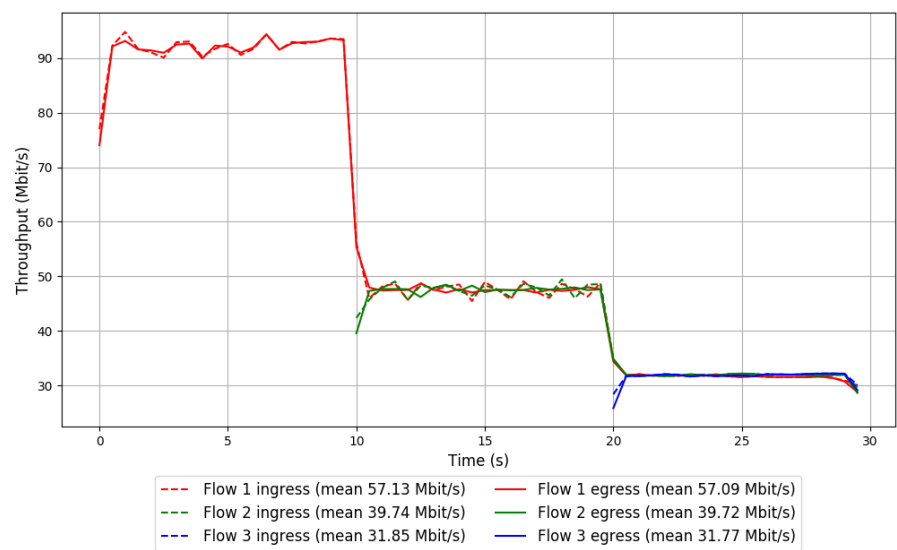
-- Flow 3:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 39.664 ms

Loss rate: 0.55%

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



Run 5: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:23:45 +0000

End at: Mon, 10 Jul 2017 00:24:15 +0000

Local clock offset: 0.704 ms

Remote clock offset: -18.984 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 46.614 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 46.342 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 35.88 Mbit/s

95th percentile per-packet one-way delay: 47.316 ms

Loss rate: 0.35%

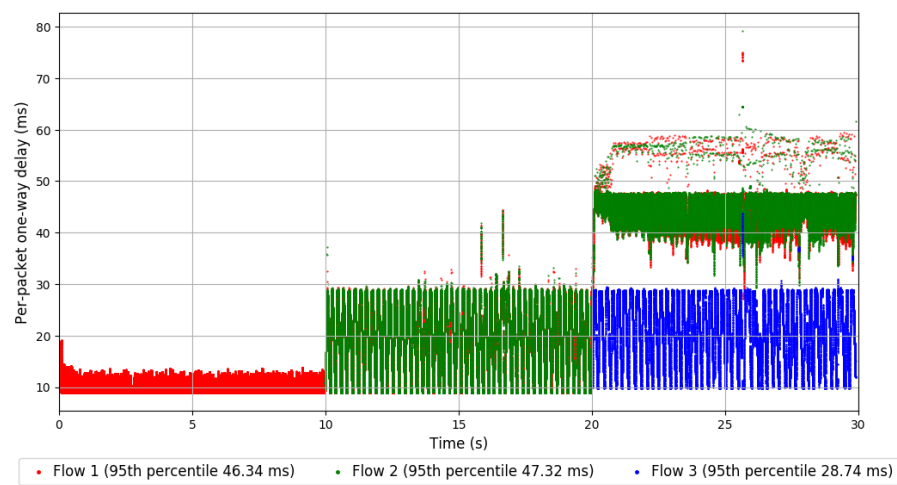
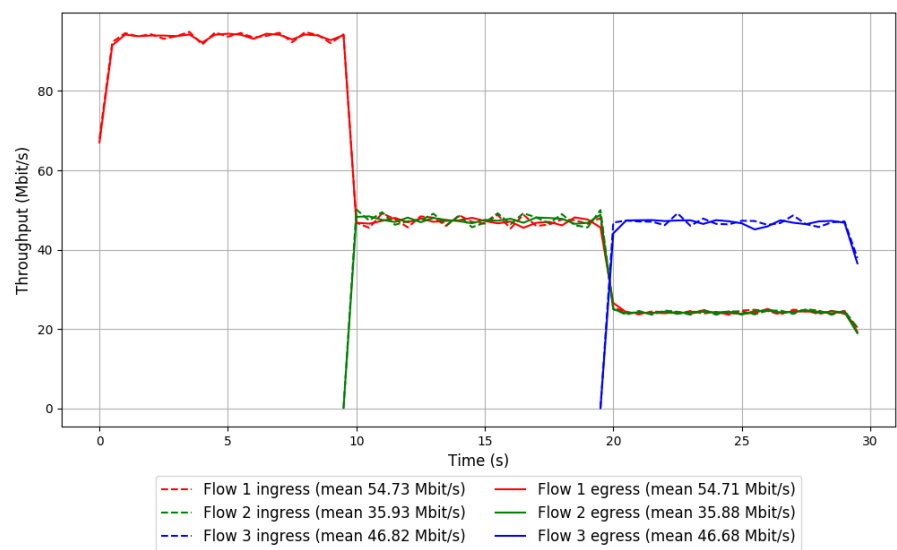
-- Flow 3:

Average throughput: 46.68 Mbit/s

95th percentile per-packet one-way delay: 28.741 ms

Loss rate: 0.56%

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



Run 6: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:41:49 +0000

End at: Mon, 10 Jul 2017 00:42:19 +0000

Local clock offset: 3.731 ms

Remote clock offset: -18.956 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 37.638 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 37.435 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 37.688 ms

Loss rate: 0.22%

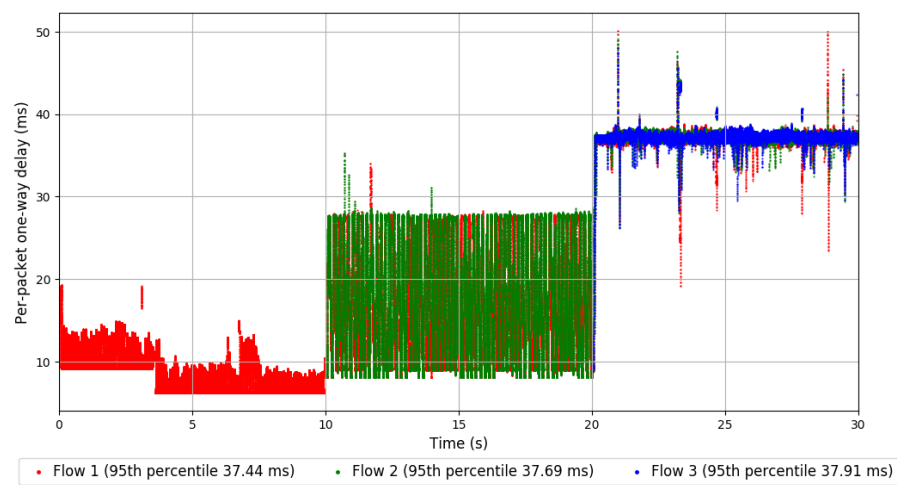
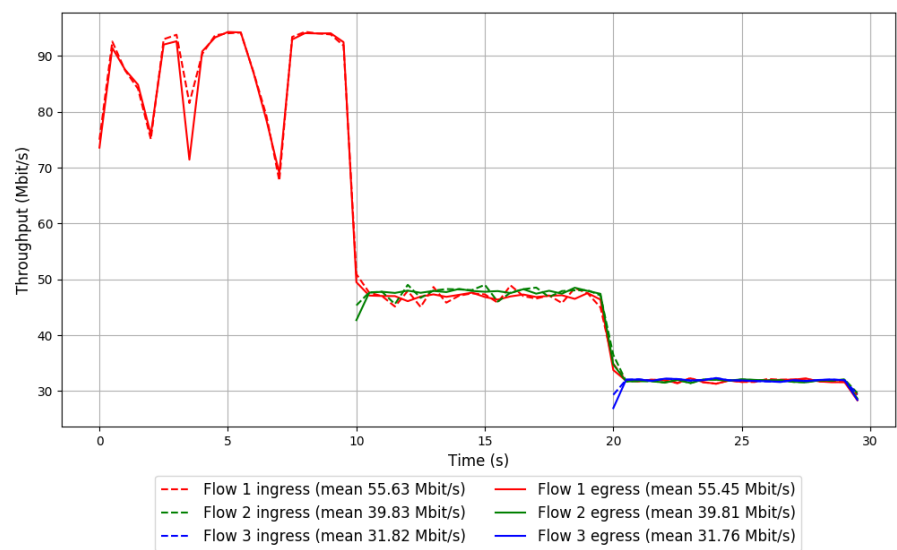
-- Flow 3:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 37.910 ms

Loss rate: 0.53%

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



Run 7: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:59:55 +0000

End at: Mon, 10 Jul 2017 01:00:25 +0000

Local clock offset: 3.482 ms

Remote clock offset: -20.442 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 52.116 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 51.37 Mbit/s

95th percentile per-packet one-way delay: 51.865 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 35.84 Mbit/s

95th percentile per-packet one-way delay: 52.931 ms

Loss rate: 0.25%

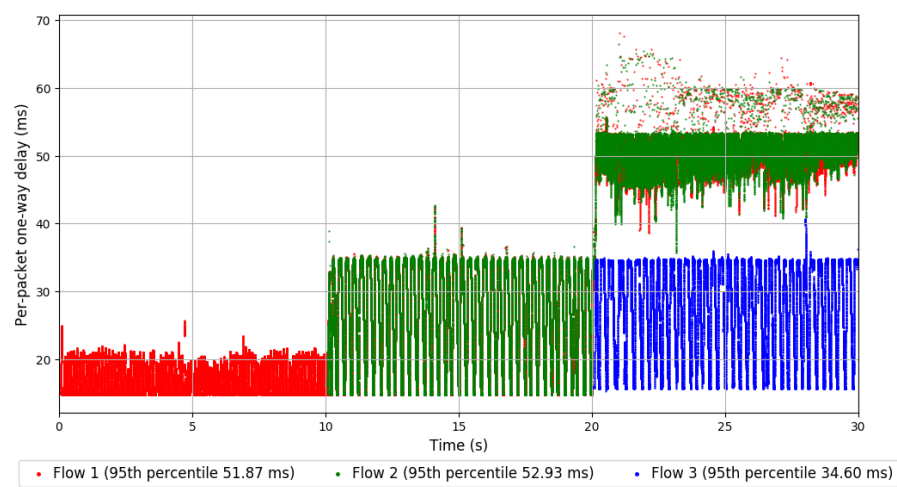
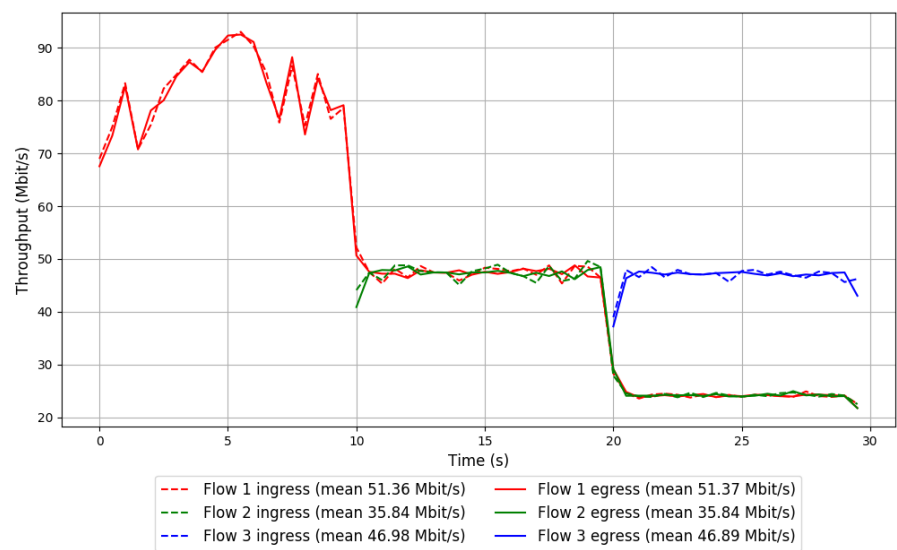
-- Flow 3:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 34.605 ms

Loss rate: 0.50%

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



Run 8: Statistics of TaoVA-100x

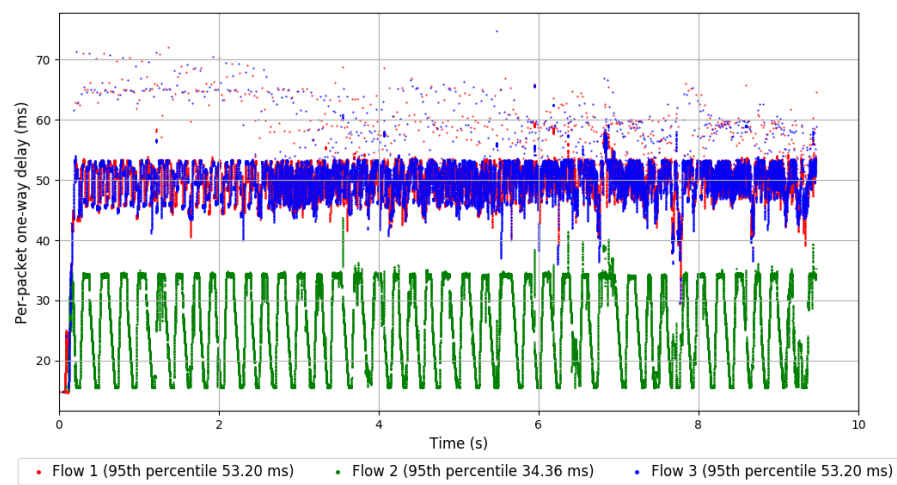
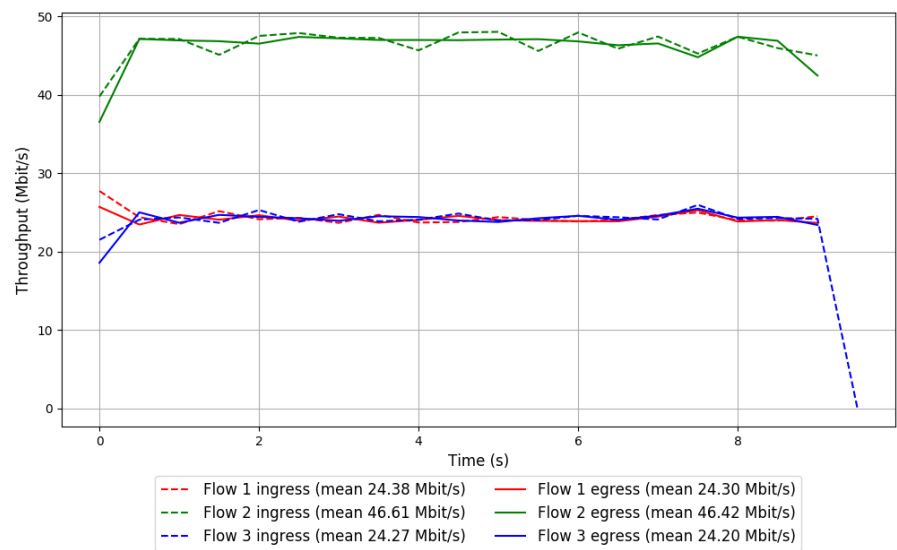
Start at: Mon, 10 Jul 2017 01:18:05 +0000

End at: Mon, 10 Jul 2017 01:18:35 +0000

Local clock offset: 0.094 ms

Remote clock offset: -20.309 ms

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



Run 9: Statistics of TaoVA-100x

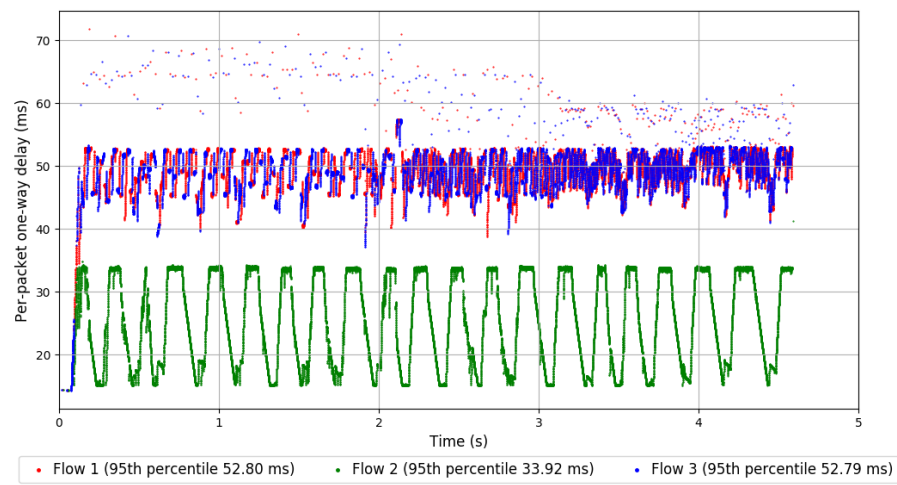
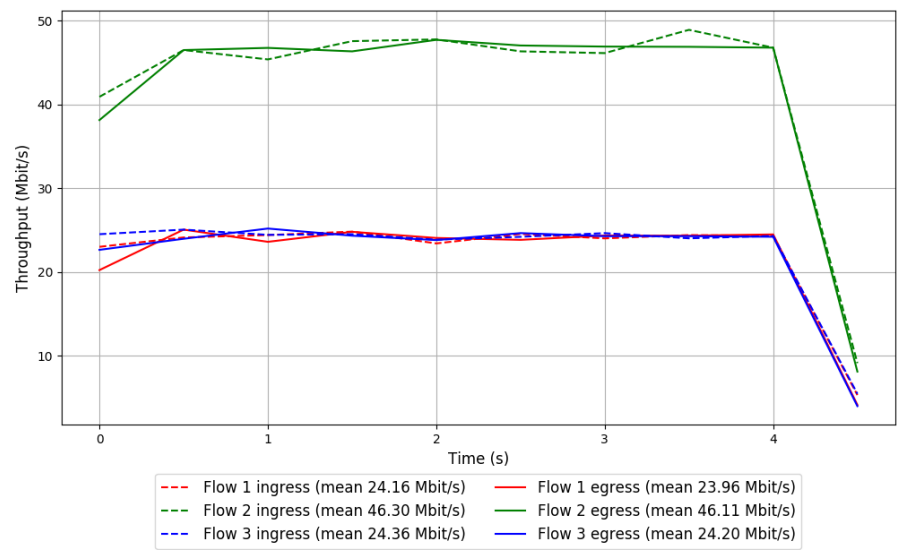
Start at: Mon, 10 Jul 2017 01:36:36 +0000

End at: Mon, 10 Jul 2017 01:37:06 +0000

Local clock offset: 2.004 ms

Remote clock offset: -21.896 ms

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



Run 10: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 01:54:51 +0000

End at: Mon, 10 Jul 2017 01:55:21 +0000

Local clock offset: -0.267 ms

Remote clock offset: -19.976 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 39.751 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 57.03 Mbit/s

95th percentile per-packet one-way delay: 39.616 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 39.819 ms

Loss rate: 0.33%

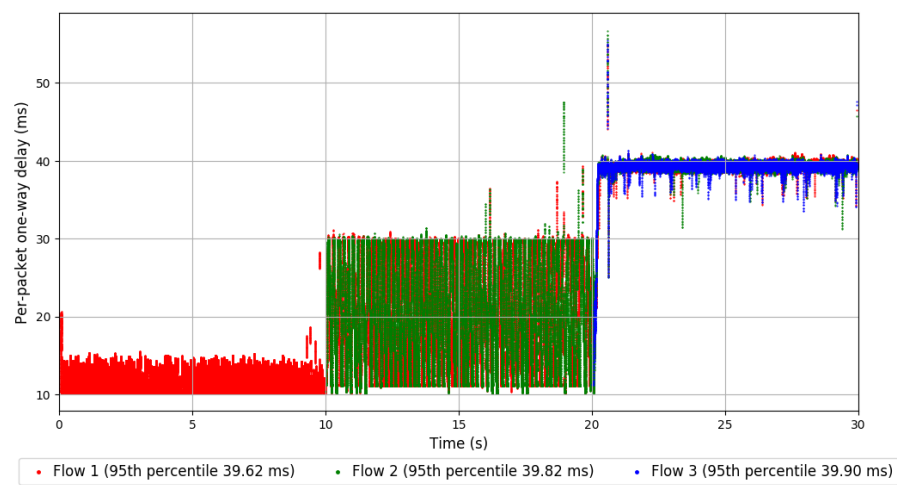
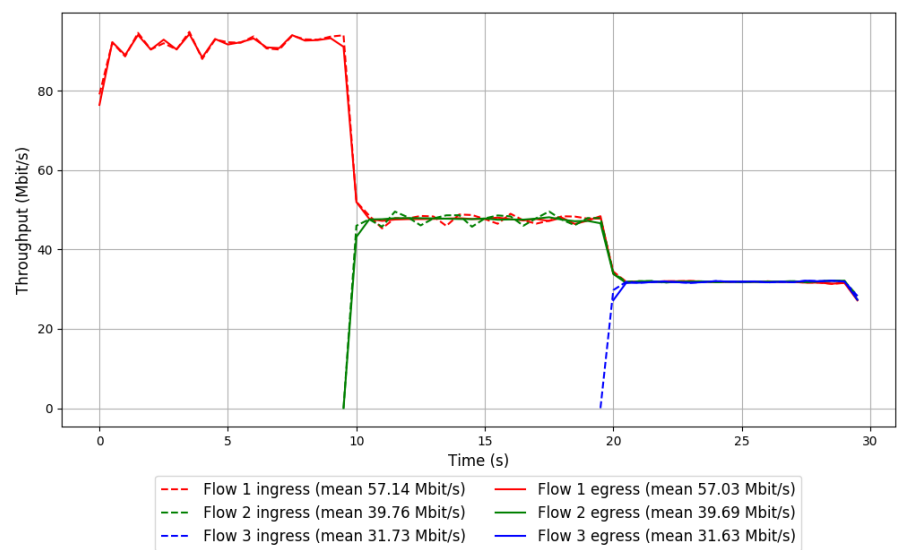
-- Flow 3:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 39.898 ms

Loss rate: 0.59%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:03:13 +0000

End at: Sun, 09 Jul 2017 23:03:43 +0000

Local clock offset: -1.25 ms

Remote clock offset: -17.652 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: 27.200 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 48.05 Mbit/s

95th percentile per-packet one-way delay: 26.180 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 37.761 ms

Loss rate: 0.12%

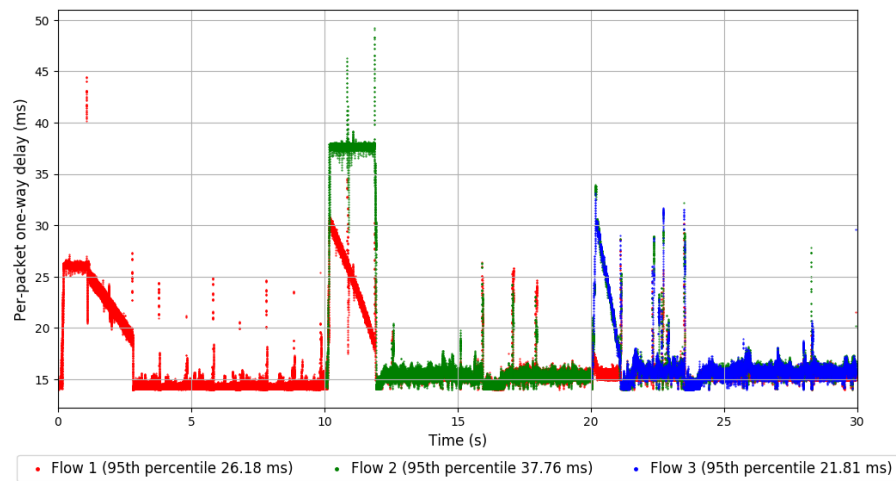
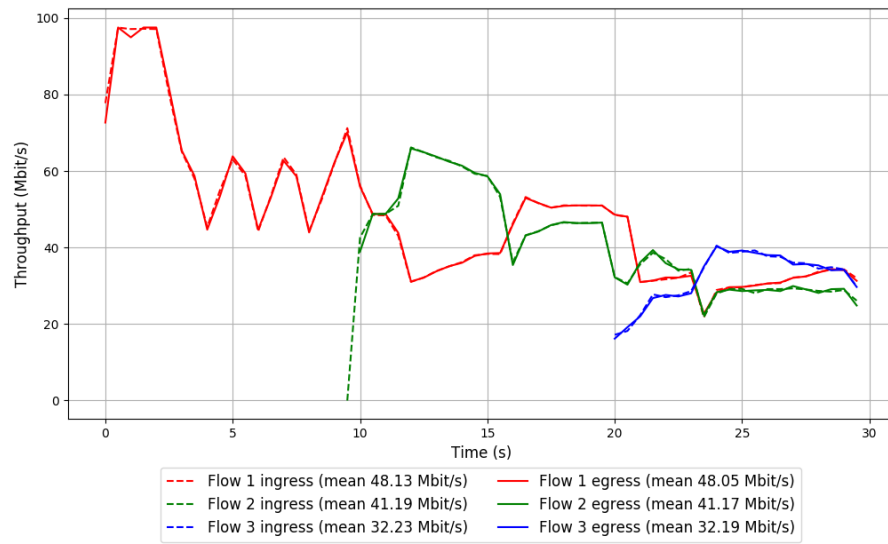
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 21.806 ms

Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:21:13 +0000

End at: Sun, 09 Jul 2017 23:21:43 +0000

Local clock offset: 1.093 ms

Remote clock offset: -18.003 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 36.646 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 55.20 Mbit/s

95th percentile per-packet one-way delay: 31.222 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 36.753 ms

Loss rate: 0.11%

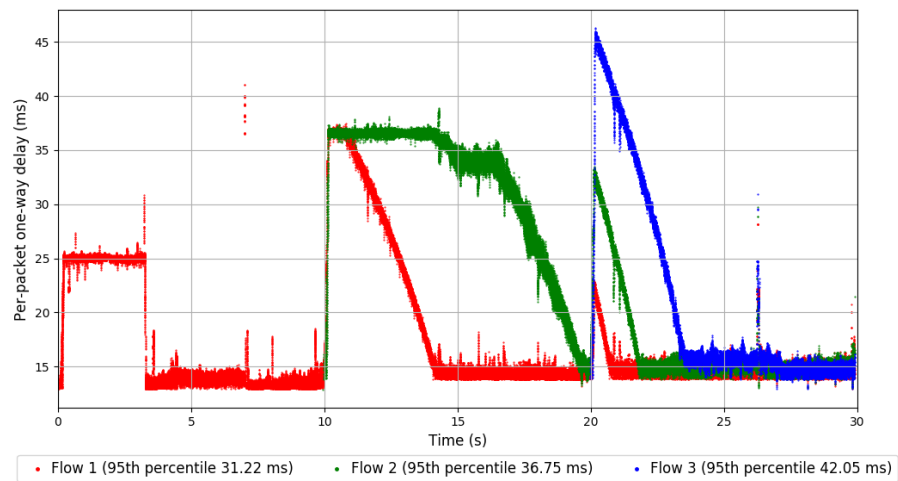
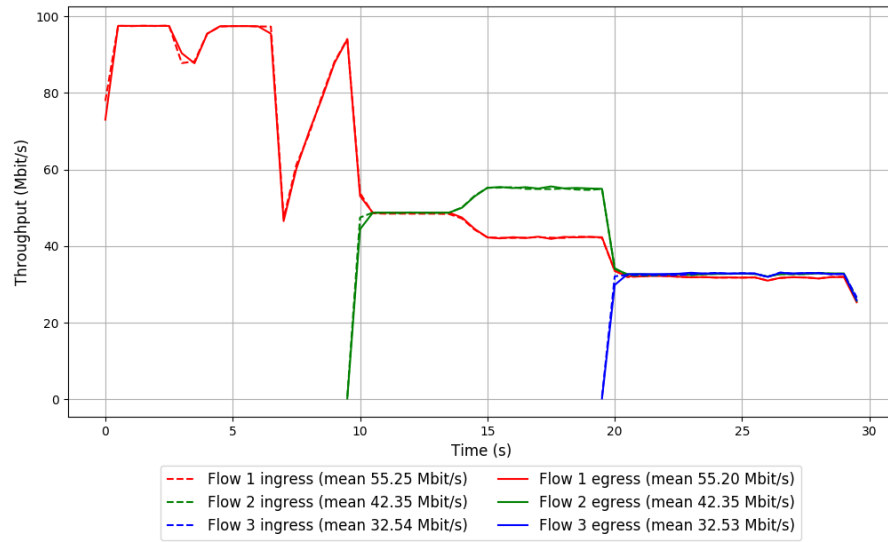
-- Flow 3:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 42.046 ms

Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:39:12 +0000

End at: Sun, 09 Jul 2017 23:39:42 +0000

Local clock offset: 1.151 ms

Remote clock offset: -18.051 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 23.824 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 52.48 Mbit/s

95th percentile per-packet one-way delay: 23.883 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 20.607 ms

Loss rate: 0.19%

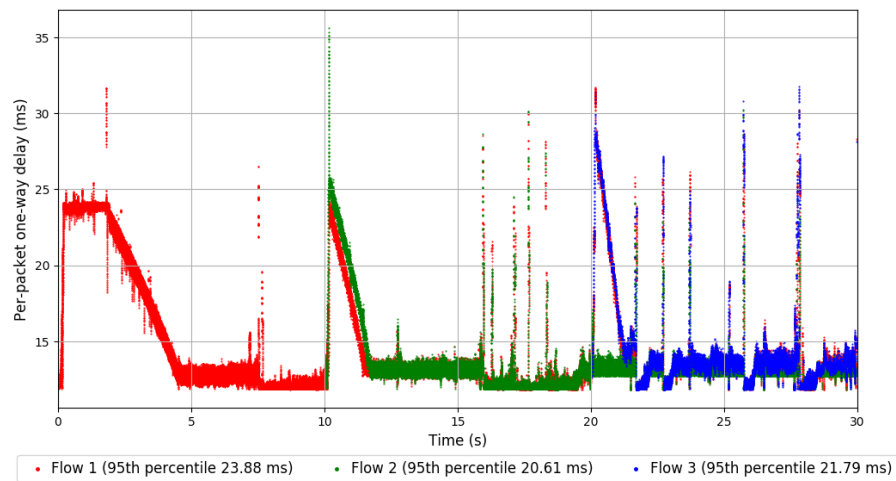
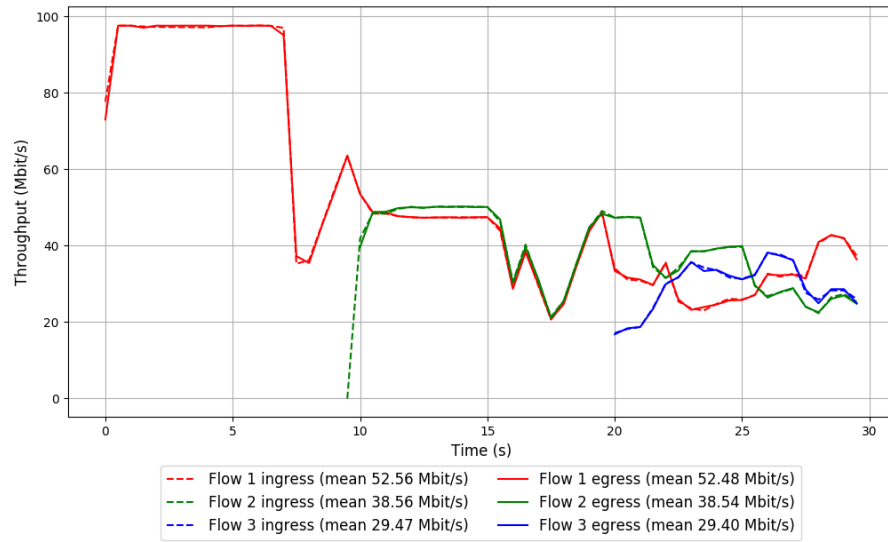
-- Flow 3:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 21.791 ms

Loss rate: 0.29%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:57:18 +0000

End at: Sun, 09 Jul 2017 23:57:48 +0000

Local clock offset: 3.076 ms

Remote clock offset: -18.198 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 33.802 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 22.553 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.25 Mbit/s

95th percentile per-packet one-way delay: 22.610 ms

Loss rate: 0.14%

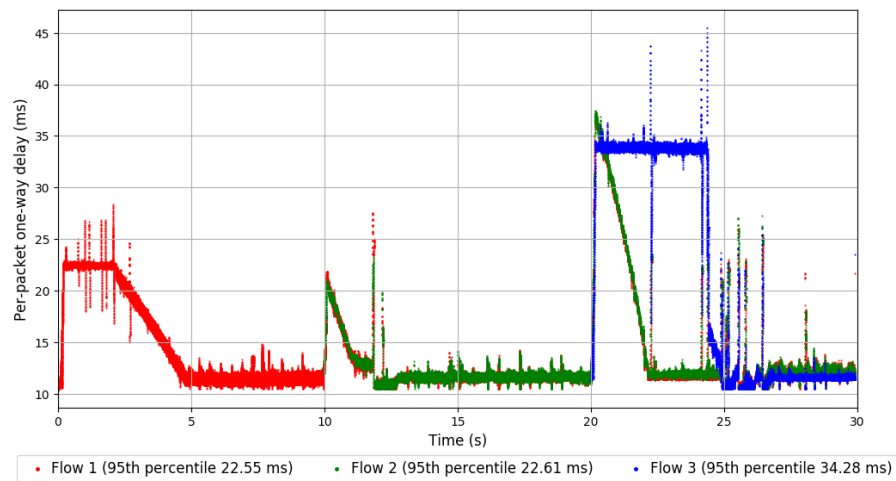
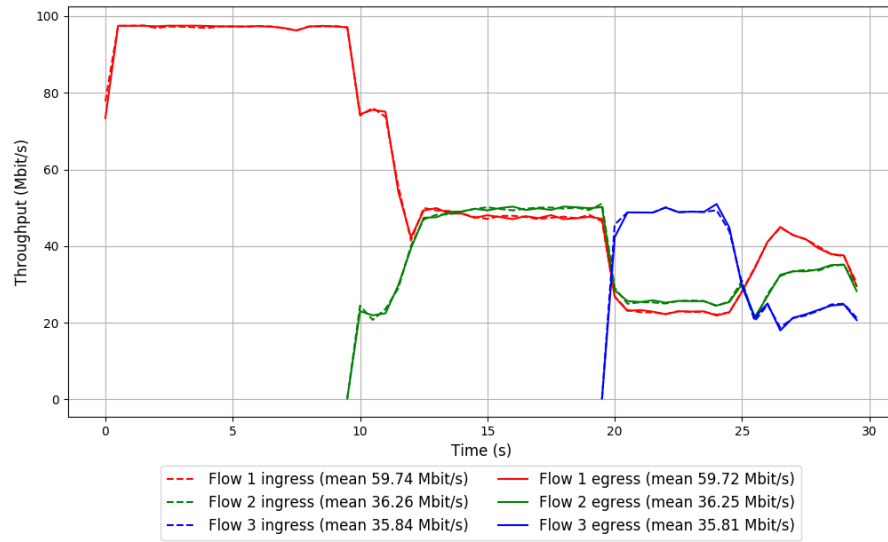
-- Flow 3:

Average throughput: 35.81 Mbit/s

95th percentile per-packet one-way delay: 34.281 ms

Loss rate: 0.22%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 00:15:28 +0000

End at: Mon, 10 Jul 2017 00:15:58 +0000

Local clock offset: -2.209 ms

Remote clock offset: -20.612 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 33.158 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 53.39 Mbit/s

95th percentile per-packet one-way delay: 31.358 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 32.968 ms

Loss rate: 0.22%

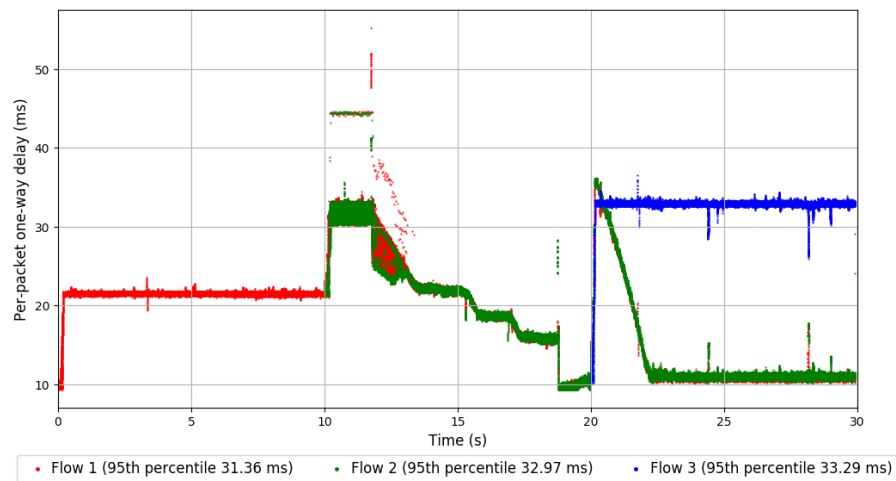
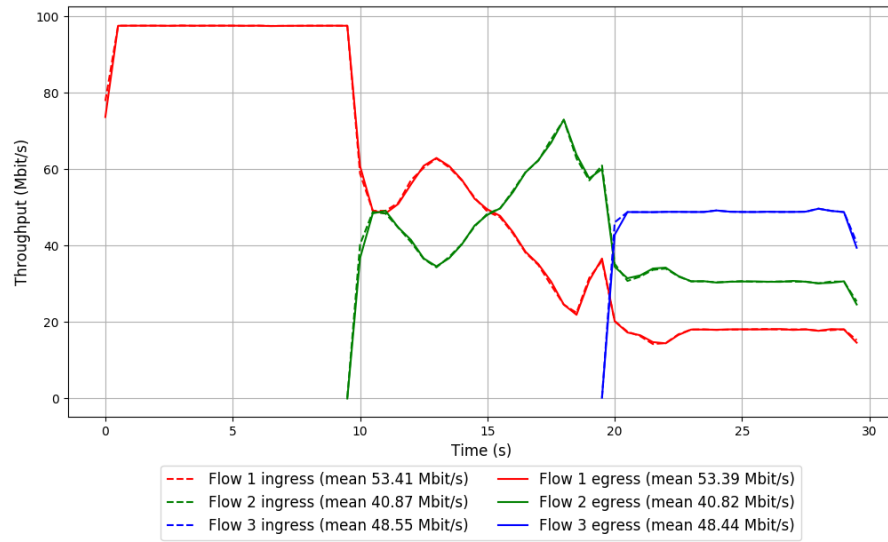
-- Flow 3:

Average throughput: 48.44 Mbit/s

95th percentile per-packet one-way delay: 33.289 ms

Loss rate: 0.48%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 00:33:34 +0000

End at: Mon, 10 Jul 2017 00:34:04 +0000

Local clock offset: 5.494 ms

Remote clock offset: -20.351 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 34.281 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 67.69 Mbit/s

95th percentile per-packet one-way delay: 34.524 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 33.899 ms

Loss rate: 0.16%

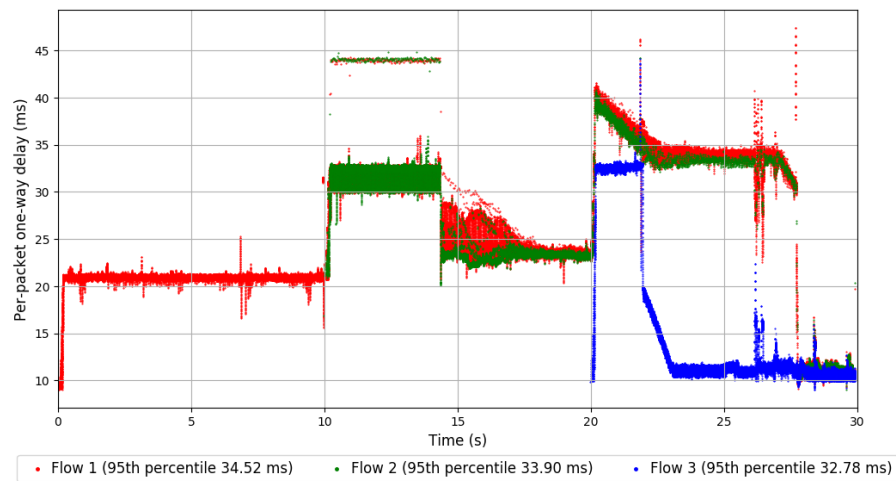
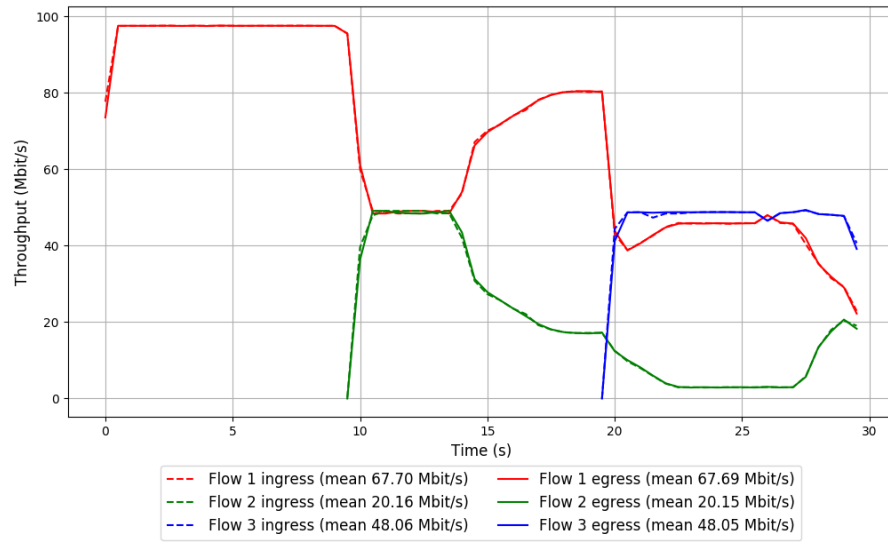
-- Flow 3:

Average throughput: 48.05 Mbit/s

95th percentile per-packet one-way delay: 32.776 ms

Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 00:51:37 +0000

End at: Mon, 10 Jul 2017 00:52:07 +0000

Local clock offset: 3.794 ms

Remote clock offset: -20.51 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 32.902 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.98 Mbit/s

95th percentile per-packet one-way delay: 12.710 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 20.797 ms

Loss rate: 0.10%

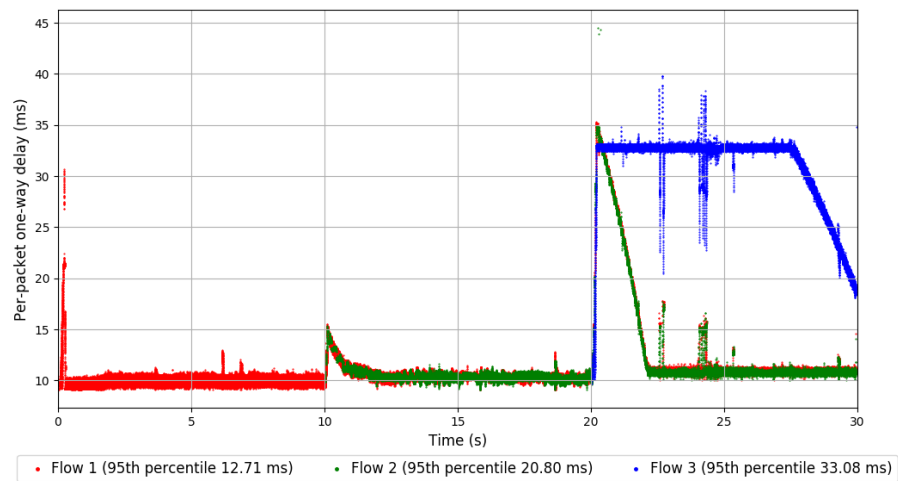
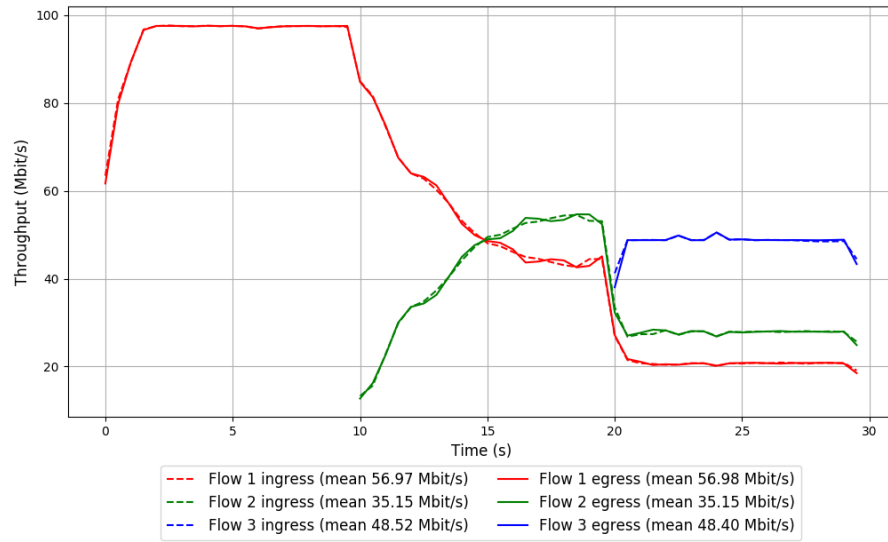
-- Flow 3:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 33.078 ms

Loss rate: 0.34%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 01:09:48 +0000

End at: Mon, 10 Jul 2017 01:10:18 +0000

Local clock offset: 3.767 ms

Remote clock offset: -20.423 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 38.604 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 38.462 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.83 Mbit/s

95th percentile per-packet one-way delay: 38.596 ms

Loss rate: 0.16%

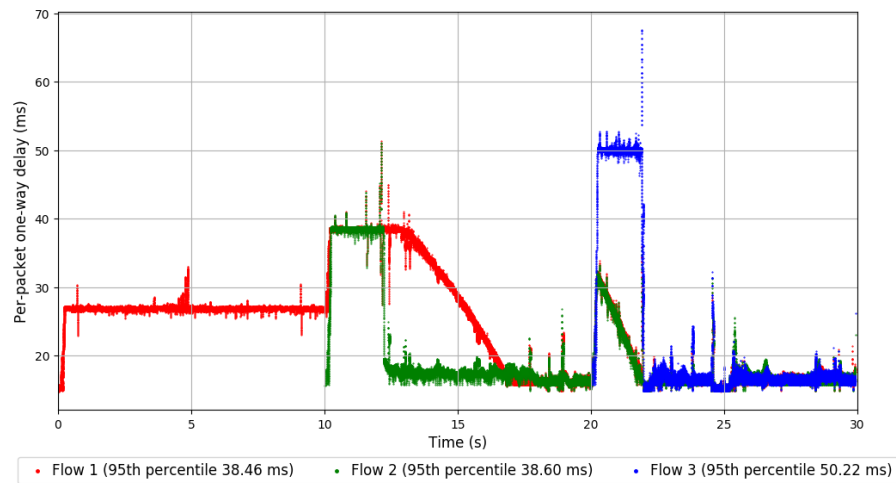
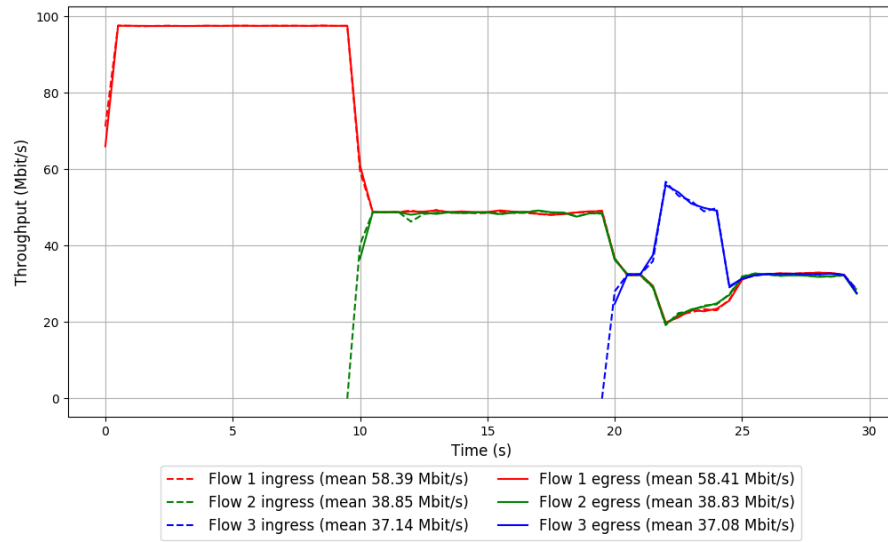
-- Flow 3:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 50.218 ms

Loss rate: 0.36%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 01:28:16 +0000

End at: Mon, 10 Jul 2017 01:28:46 +0000

Local clock offset: -0.167 ms

Remote clock offset: -20.982 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 38.119 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 60.29 Mbit/s

95th percentile per-packet one-way delay: 38.037 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 39.762 ms

Loss rate: 0.23%

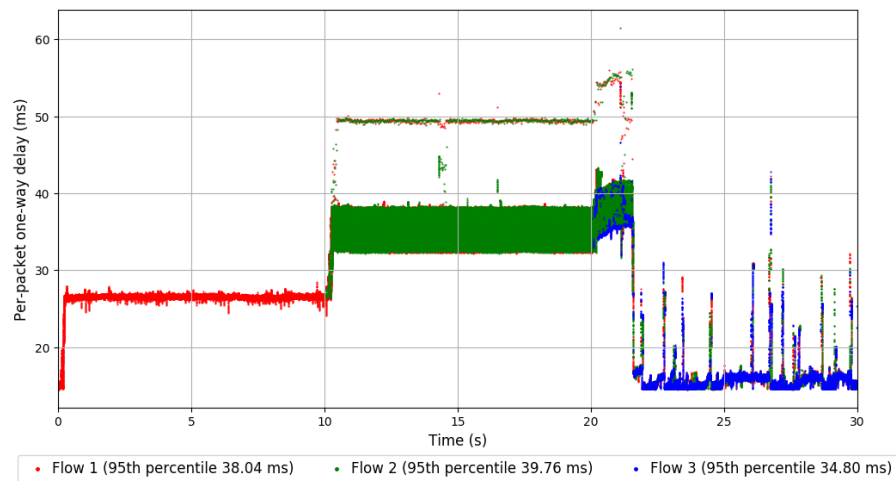
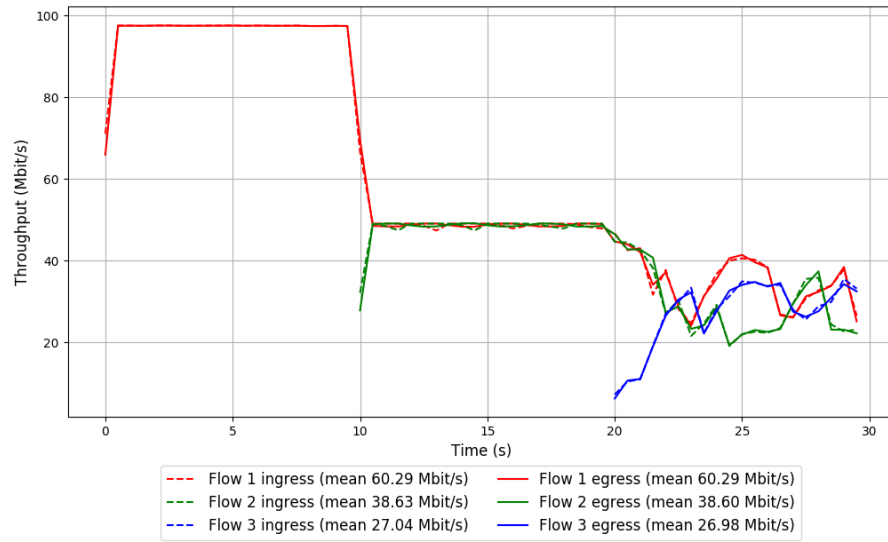
-- Flow 3:

Average throughput: 26.98 Mbit/s

95th percentile per-packet one-way delay: 34.795 ms

Loss rate: 0.62%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 01:46:22 +0000

End at: Mon, 10 Jul 2017 01:46:52 +0000

Local clock offset: 2.109 ms

Remote clock offset: -19.033 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 23.001 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 21.652 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 19.964 ms

Loss rate: 0.10%

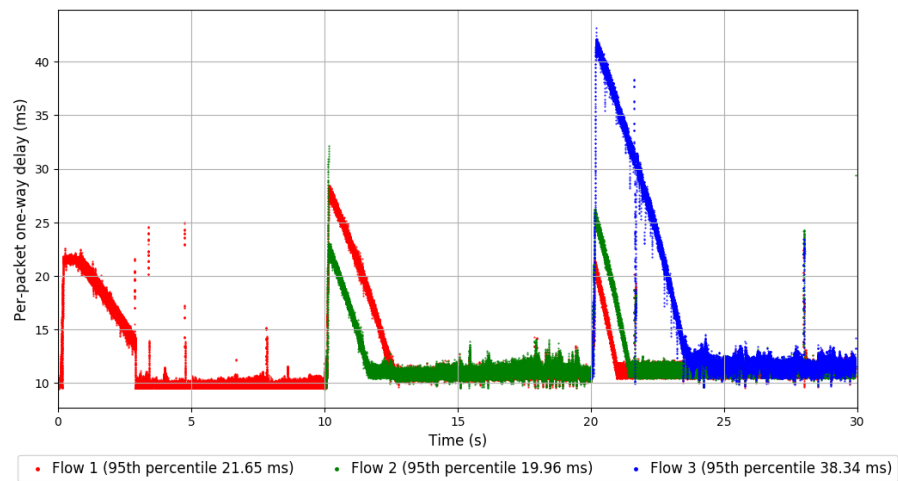
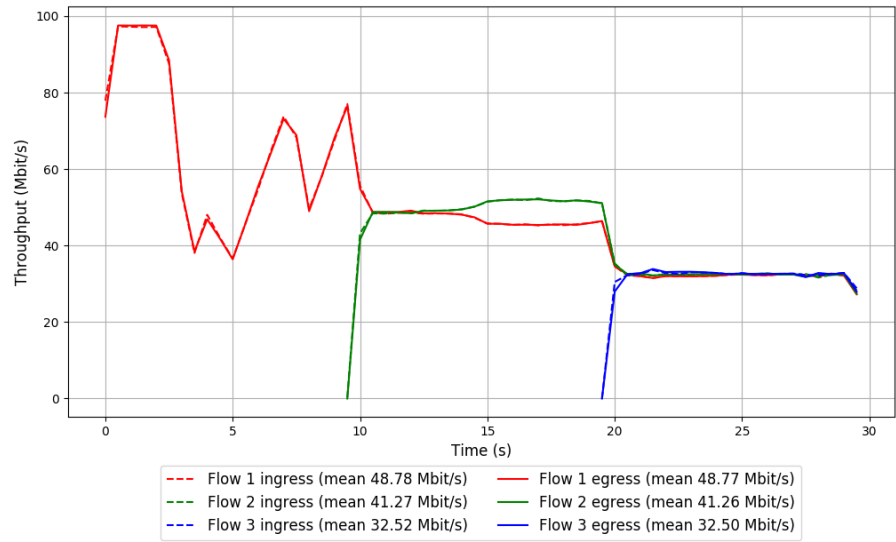
-- Flow 3:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 38.337 ms

Loss rate: 0.26%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:12:47 +0000

End at: Sun, 09 Jul 2017 23:13:17 +0000

Local clock offset: 0.704 ms

Remote clock offset: -17.286 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 58.957 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 58.284 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 48.14 Mbit/s

95th percentile per-packet one-way delay: 37.143 ms

Loss rate: 0.34%

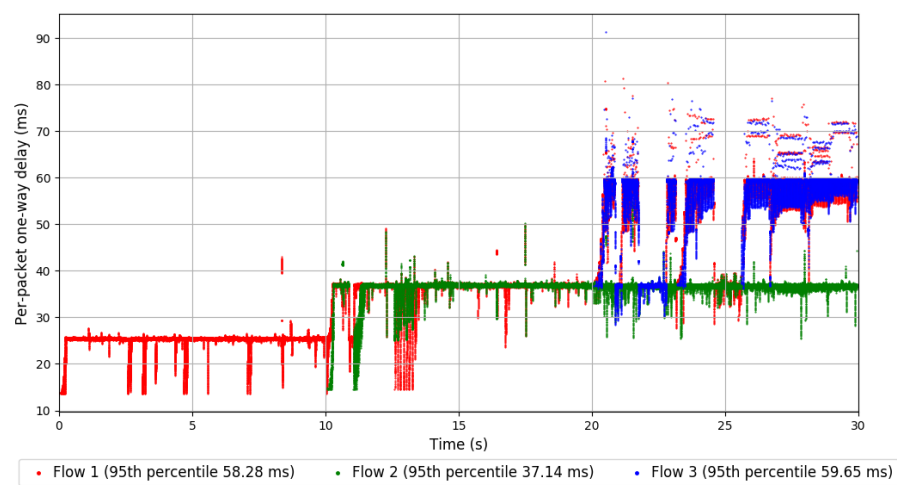
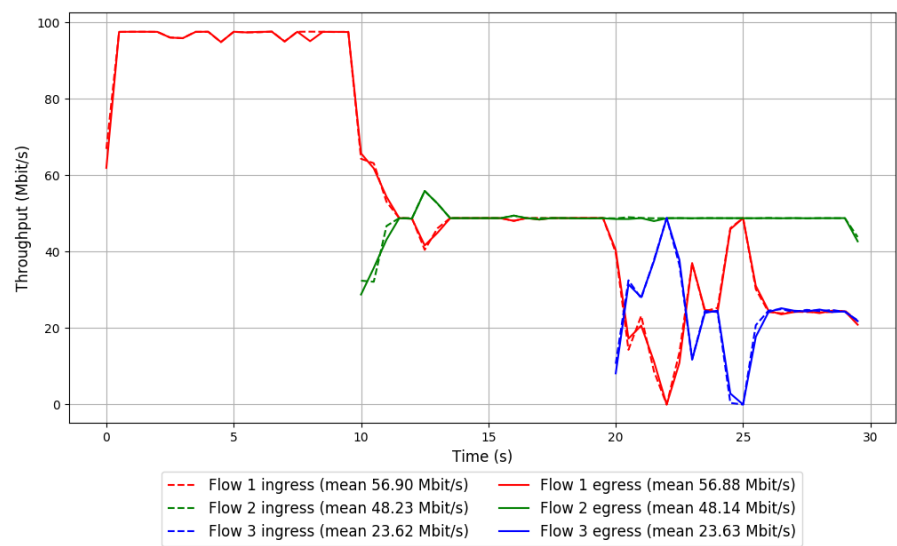
-- Flow 3:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 59.653 ms

Loss rate: 0.74%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:30:45 +0000

End at: Sun, 09 Jul 2017 23:31:15 +0000

Local clock offset: -1.046 ms

Remote clock offset: -19.434 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 56.390 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.61 Mbit/s

95th percentile per-packet one-way delay: 36.059 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 58.223 ms

Loss rate: 0.18%

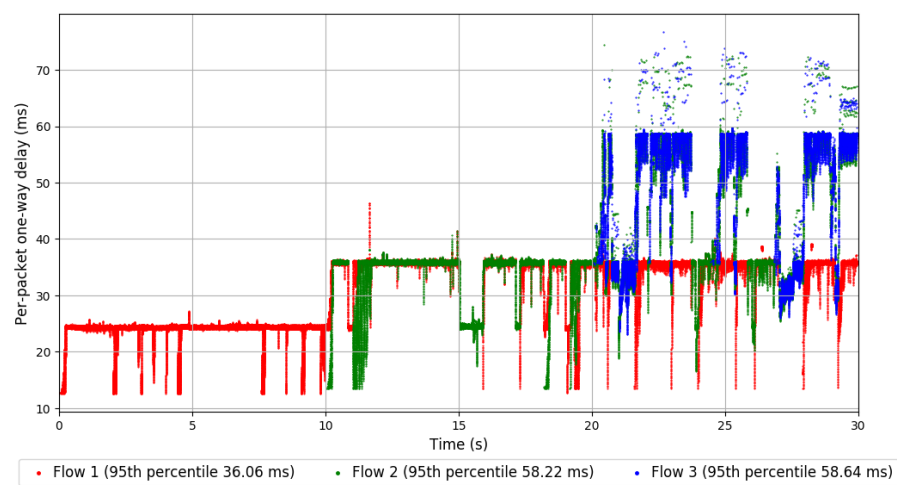
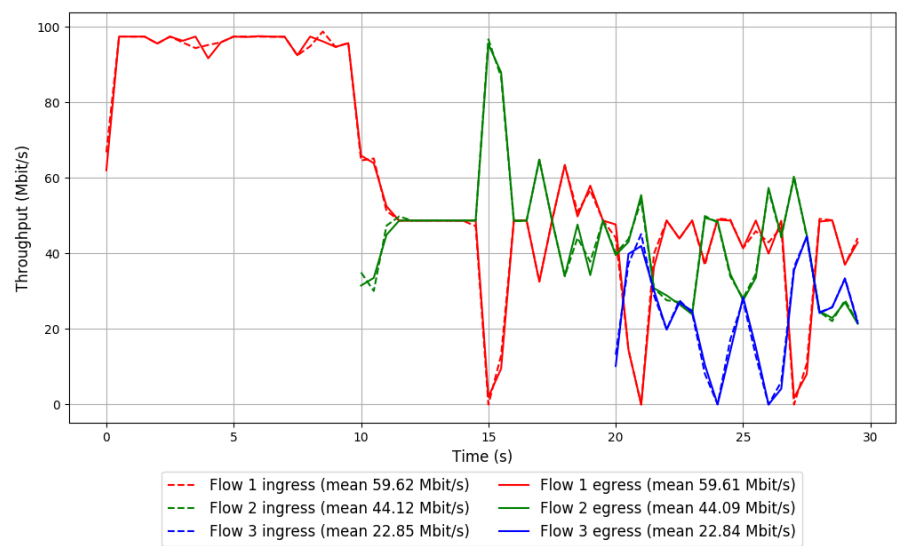
-- Flow 3:

Average throughput: 22.84 Mbit/s

95th percentile per-packet one-way delay: 58.641 ms

Loss rate: 0.72%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:48:47 +0000

End at: Sun, 09 Jul 2017 23:49:17 +0000

Local clock offset: 2.018 ms

Remote clock offset: -20.46 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 56.527 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 55.58 Mbit/s

95th percentile per-packet one-way delay: 56.208 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 49.11 Mbit/s

95th percentile per-packet one-way delay: 34.719 ms

Loss rate: 0.33%

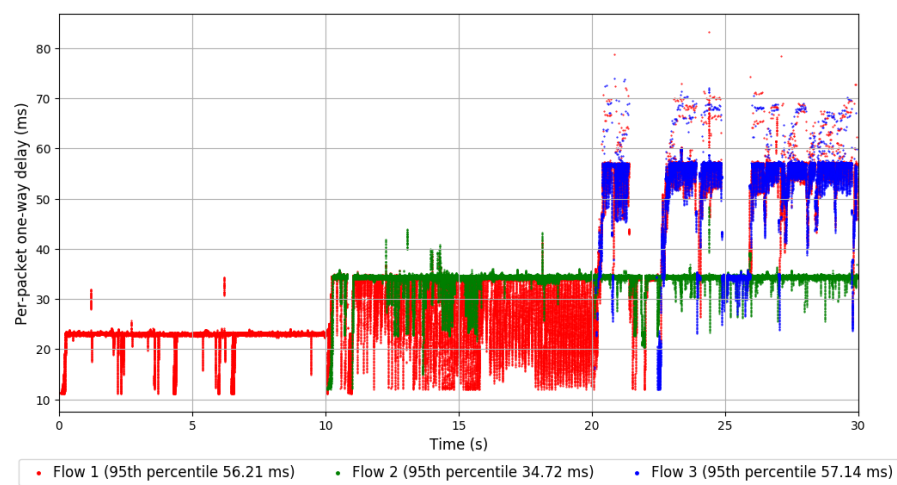
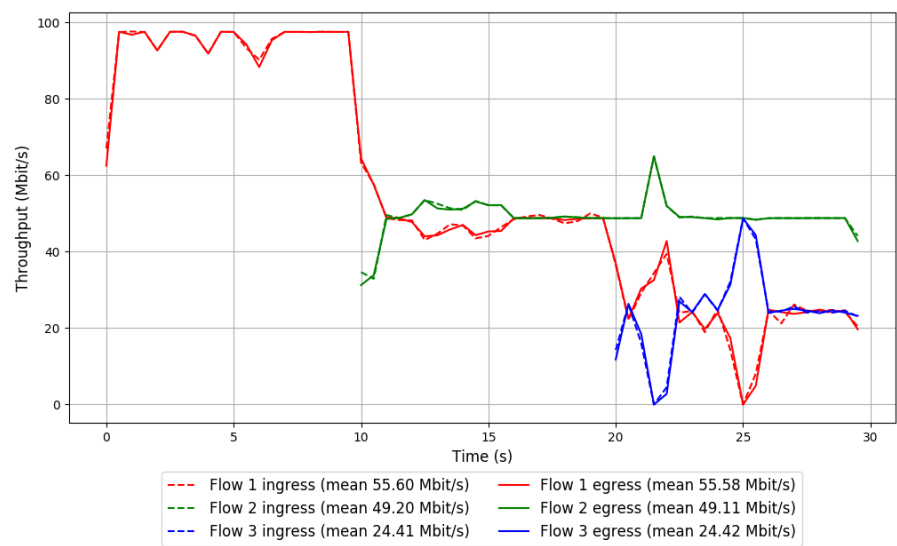
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 57.141 ms

Loss rate: 0.58%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Mon, 10 Jul 2017 00:06:58 +0000

End at: Mon, 10 Jul 2017 00:07:28 +0000

Local clock offset: 3.092 ms

Remote clock offset: -19.778 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 52.932 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 55.595 ms

Loss rate: 0.25%

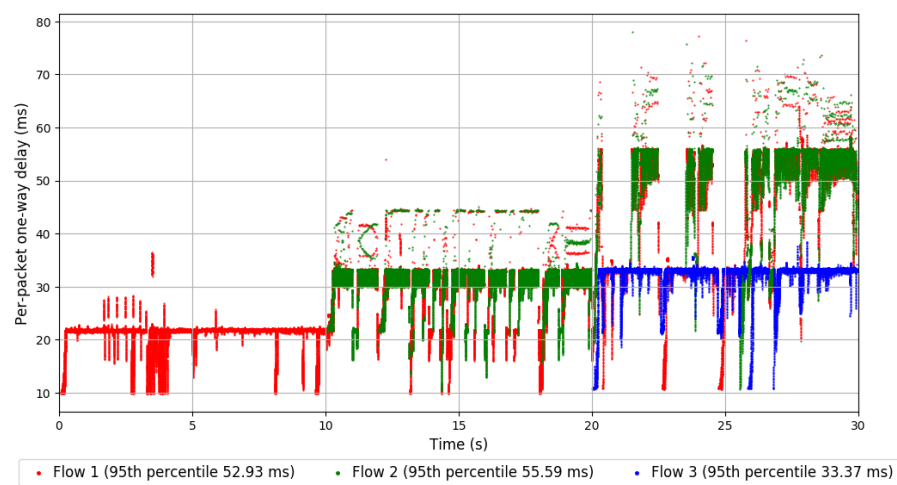
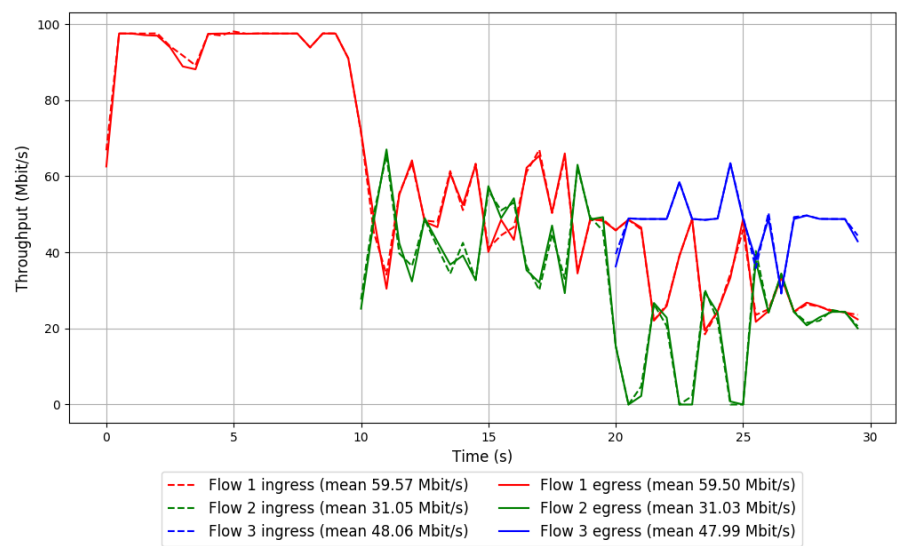
-- Flow 3:

Average throughput: 47.99 Mbit/s

95th percentile per-packet one-way delay: 33.366 ms

Loss rate: 0.50%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Mon, 10 Jul 2017 00:25:03 +0000

End at: Mon, 10 Jul 2017 00:25:33 +0000

Local clock offset: 4.106 ms

Remote clock offset: -20.765 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 43.822 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 43.757 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 43.796 ms

Loss rate: 0.25%

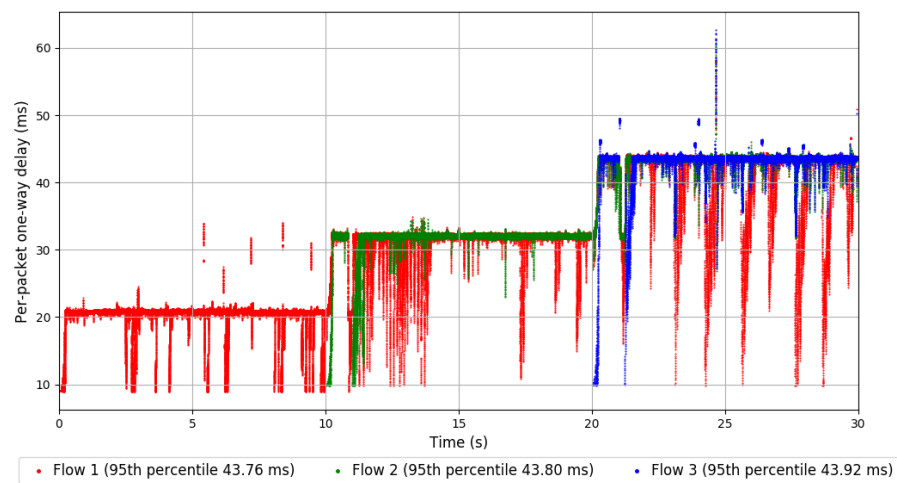
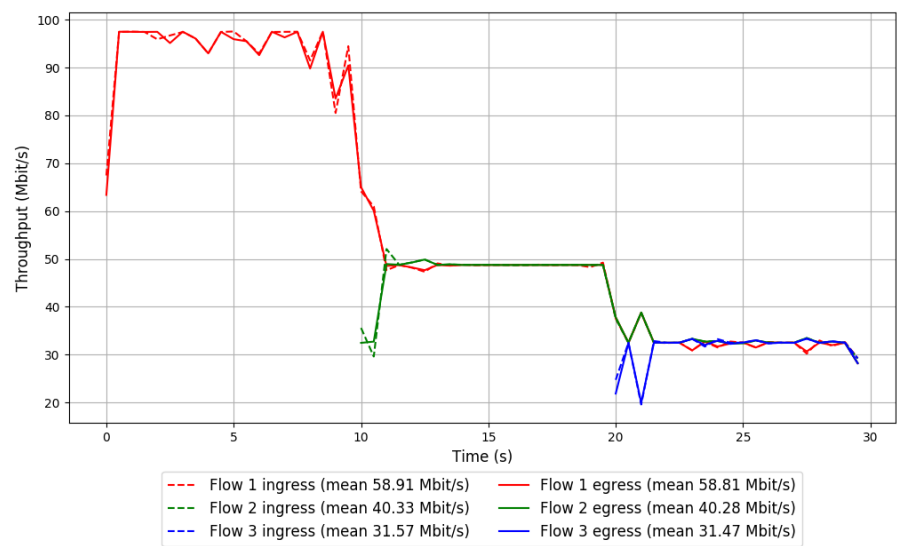
-- Flow 3:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 43.917 ms

Loss rate: 0.65%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Mon, 10 Jul 2017 00:43:07 +0000

End at: Mon, 10 Jul 2017 00:43:37 +0000

Local clock offset: 3.655 ms

Remote clock offset: -17.924 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 42.920 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 35.372 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 43.027 ms

Loss rate: 0.23%

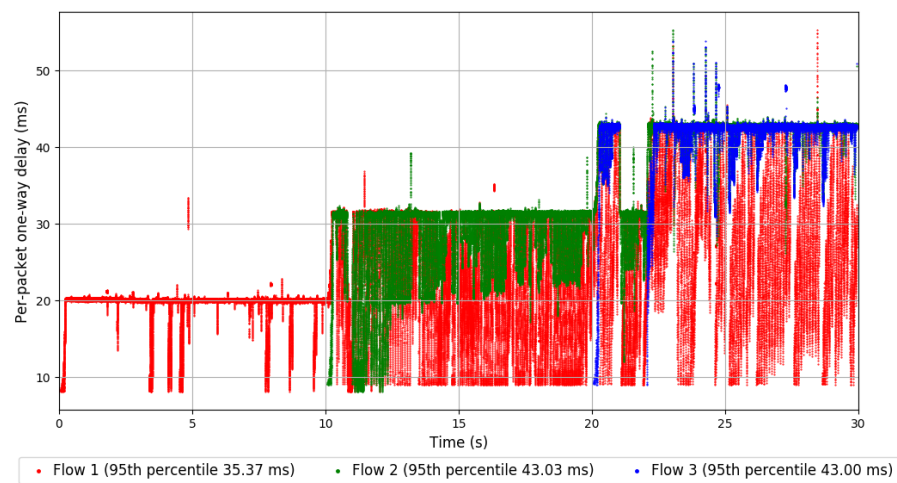
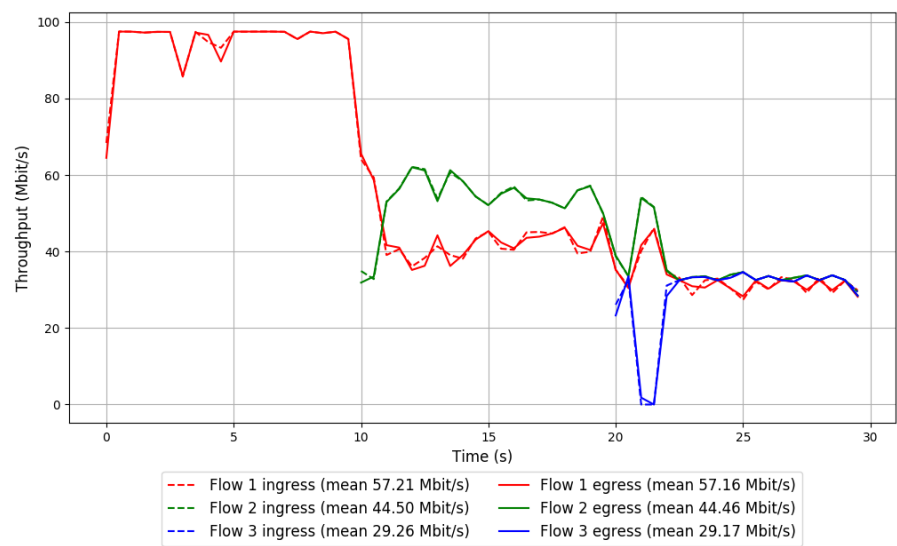
-- Flow 3:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 43.001 ms

Loss rate: 0.66%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:01:15 +0000

End at: Mon, 10 Jul 2017 01:01:45 +0000

Local clock offset: 4.298 ms

Remote clock offset: -20.092 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 49.653 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 49.326 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 49.721 ms

Loss rate: 0.27%

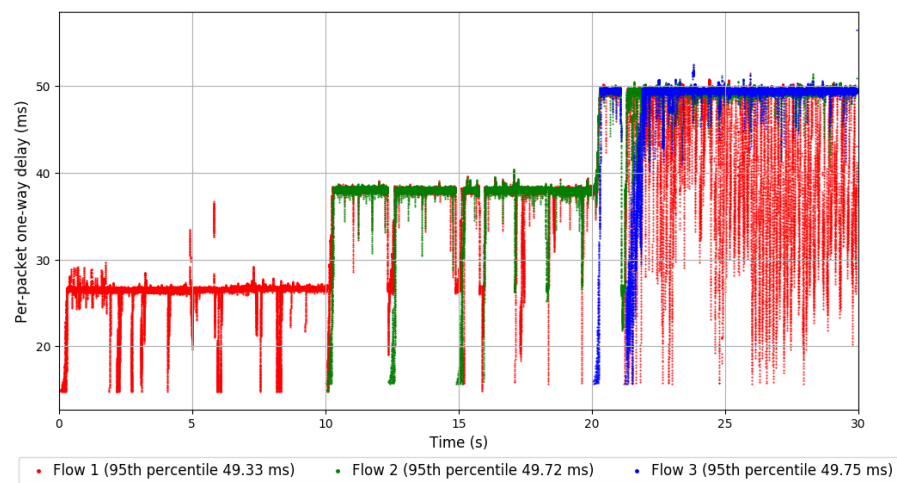
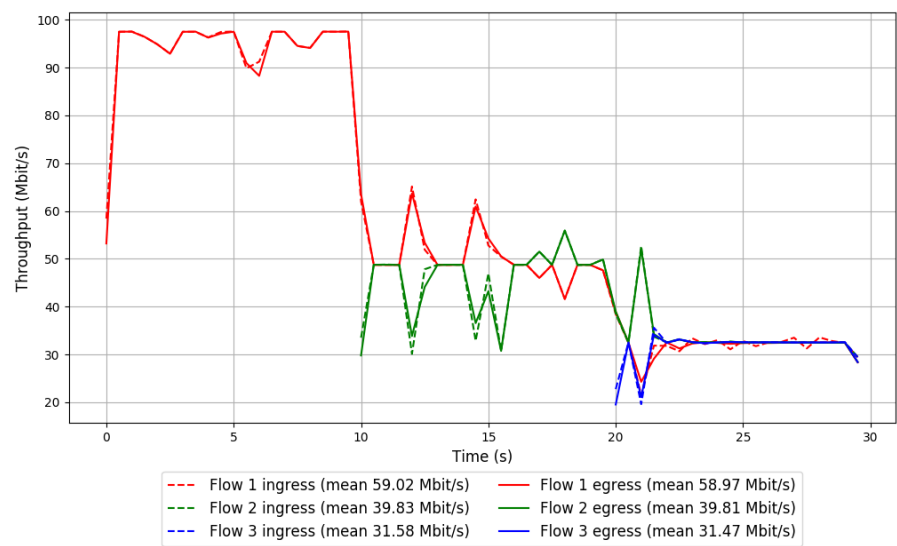
-- Flow 3:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 49.754 ms

Loss rate: 0.67%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:19:18 +0000

End at: Mon, 10 Jul 2017 01:19:48 +0000

Local clock offset: 2.002 ms

Remote clock offset: -21.061 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 58.315 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 57.529 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 60.266 ms

Loss rate: 0.40%

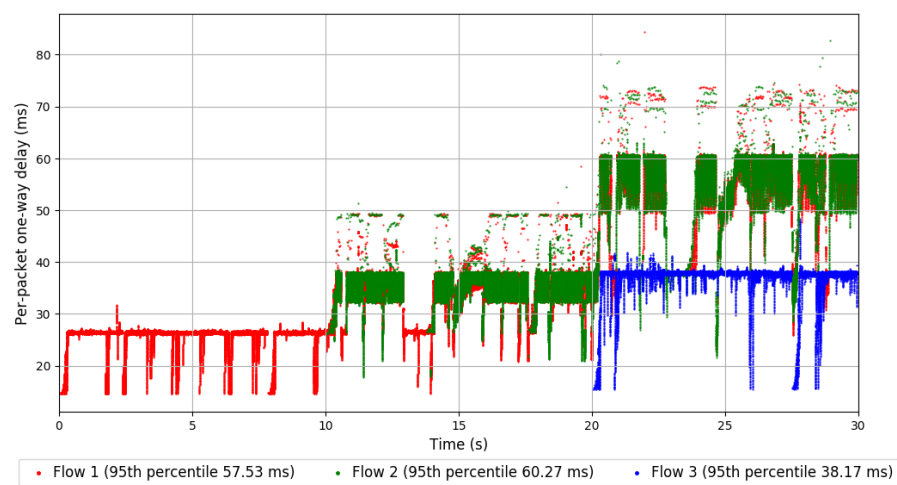
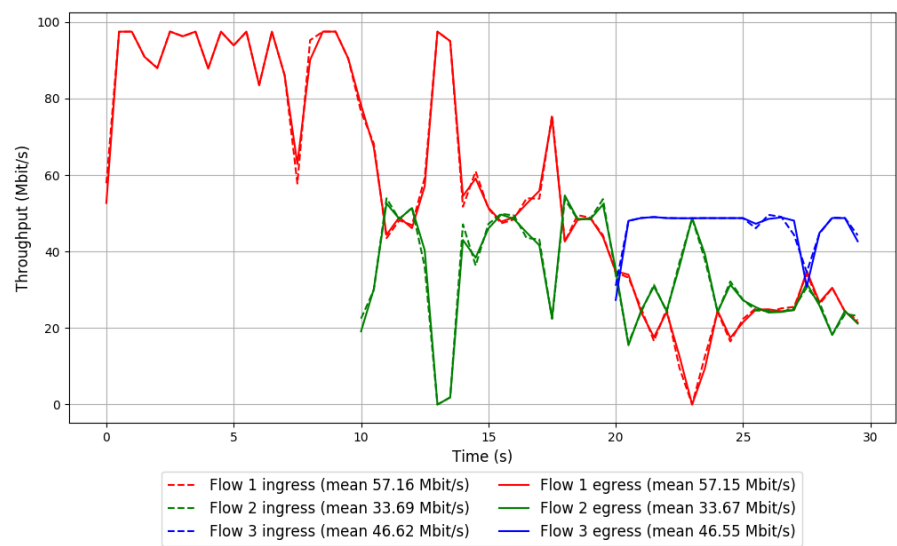
-- Flow 3:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 38.170 ms

Loss rate: 0.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:37:44 +0000

End at: Mon, 10 Jul 2017 01:38:14 +0000

Local clock offset: 2.243 ms

Remote clock offset: -20.289 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 49.175 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 49.104 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 49.140 ms

Loss rate: 0.26%

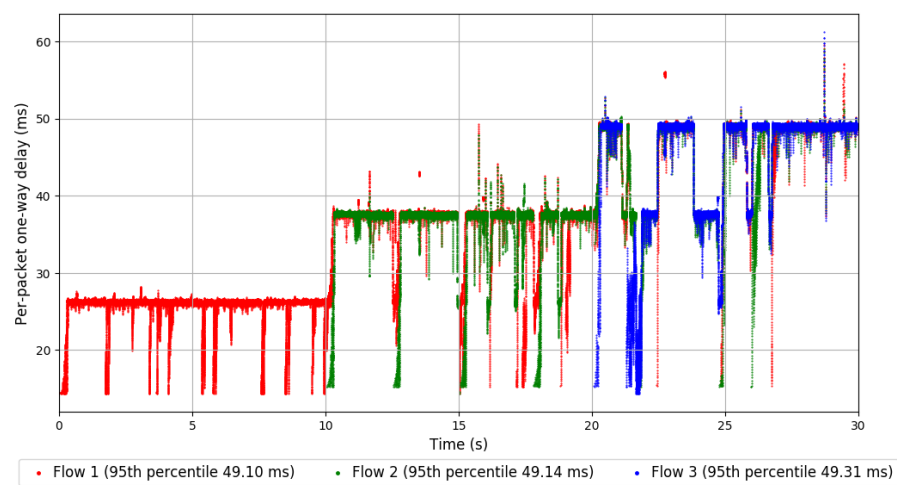
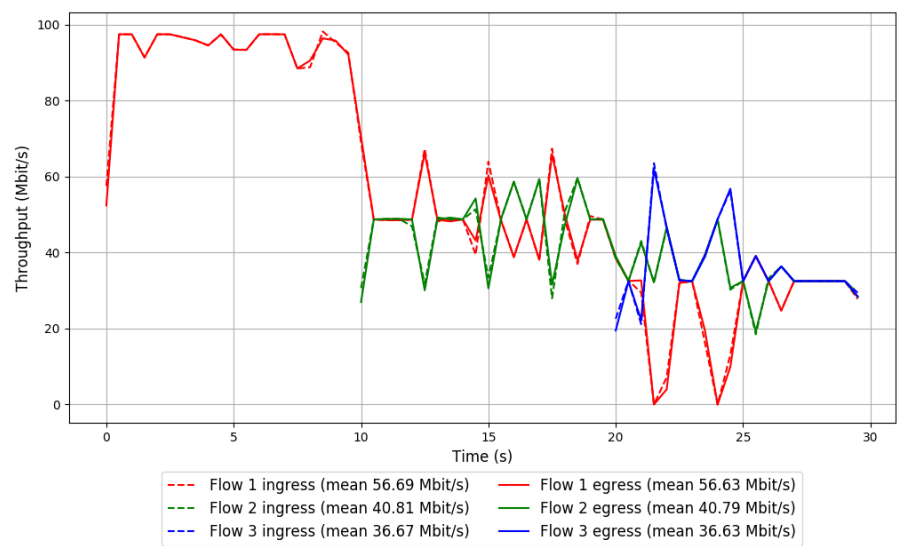
-- Flow 3:

Average throughput: 36.63 Mbit/s

95th percentile per-packet one-way delay: 49.313 ms

Loss rate: 0.57%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:56:11 +0000

End at: Mon, 10 Jul 2017 01:56:41 +0000

Local clock offset: 1.692 ms

Remote clock offset: -18.501 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 45.299 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 45.196 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 45.292 ms

Loss rate: 0.25%

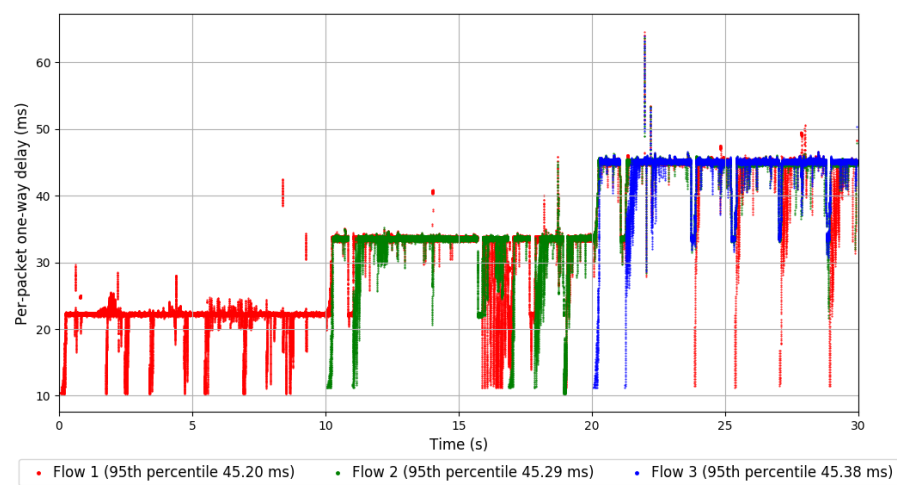
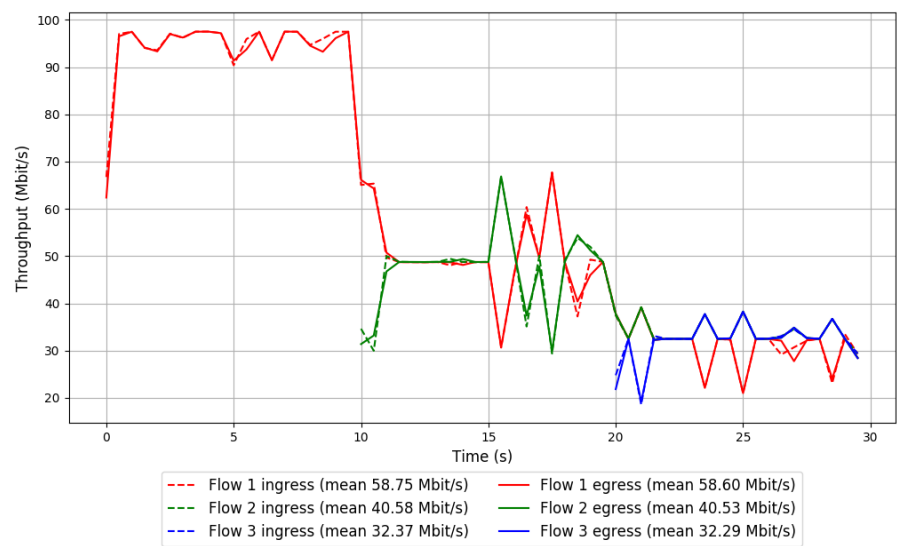
-- Flow 3:

Average throughput: 32.29 Mbit/s

95th percentile per-packet one-way delay: 45.377 ms

Loss rate: 0.64%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:06:43 +0000

End at: Sun, 09 Jul 2017 23:07:13 +0000

Local clock offset: -0.883 ms

Remote clock offset: -16.361 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 15.215 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 15.064 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 15.269 ms

Loss rate: 0.00%

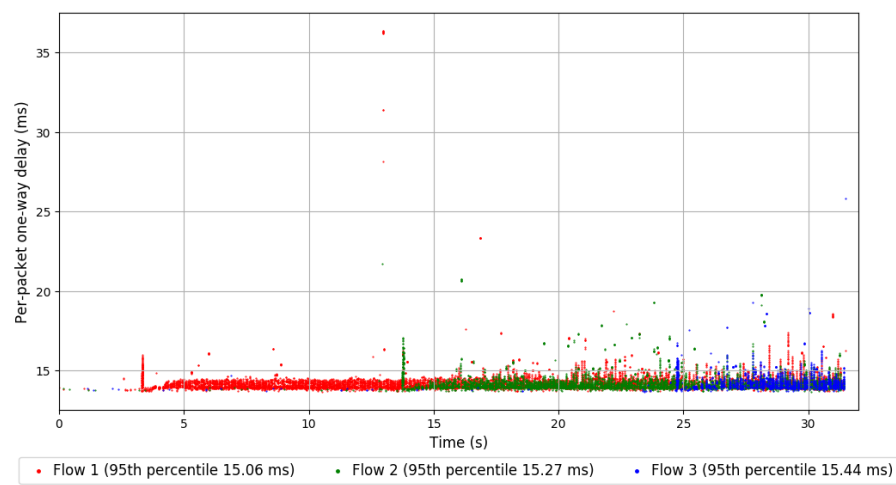
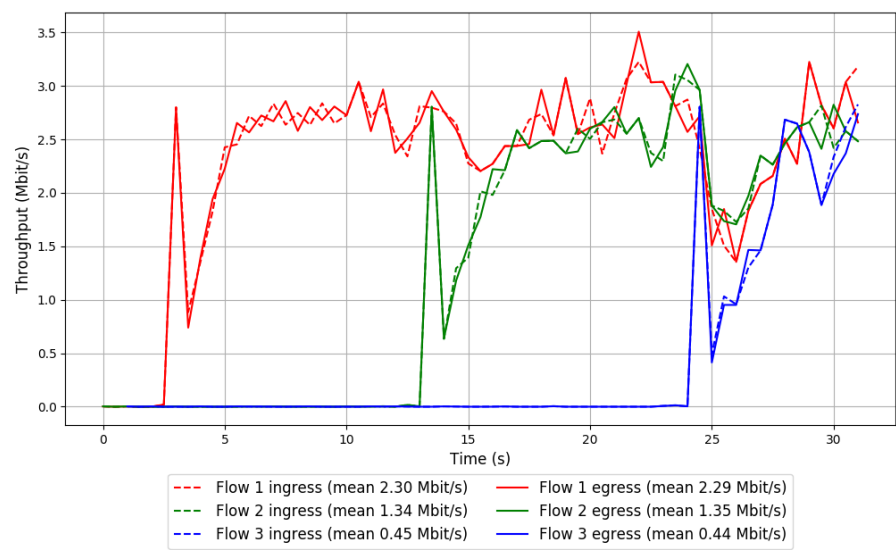
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 15.437 ms

Loss rate: 1.82%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:24:45 +0000

End at: Sun, 09 Jul 2017 23:25:15 +0000

Local clock offset: -0.662 ms

Remote clock offset: -17.908 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 14.094 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 14.007 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 13.997 ms

Loss rate: 0.00%

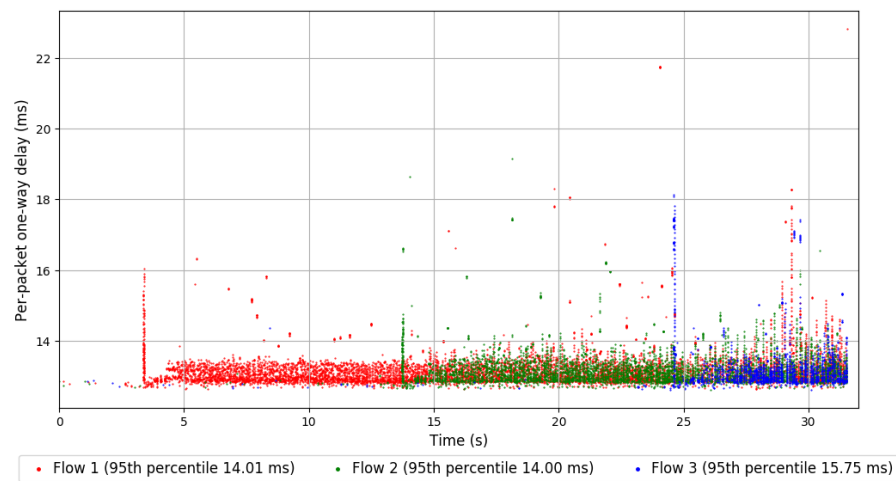
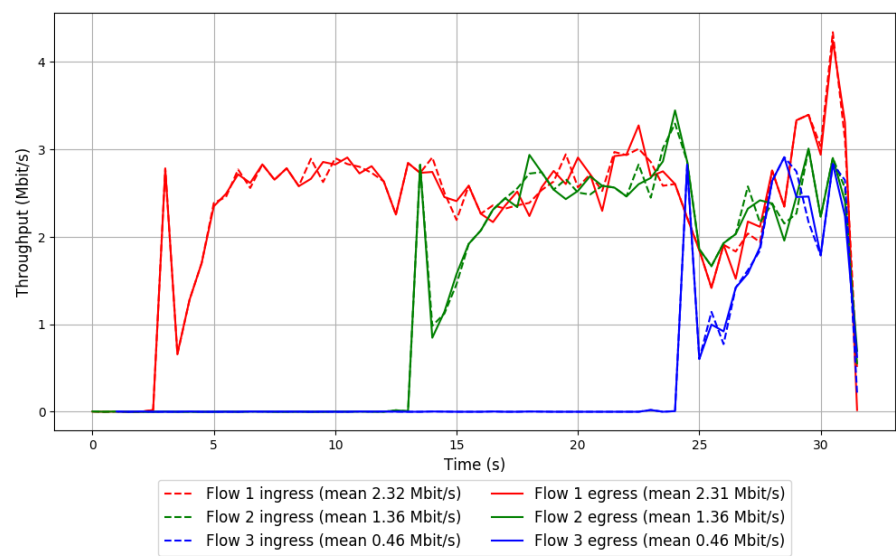
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 15.750 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:42:40 +0000

End at: Sun, 09 Jul 2017 23:43:10 +0000

Local clock offset: 1.676 ms

Remote clock offset: -18.475 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 12.911 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 12.868 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 12.972 ms

Loss rate: 0.00%

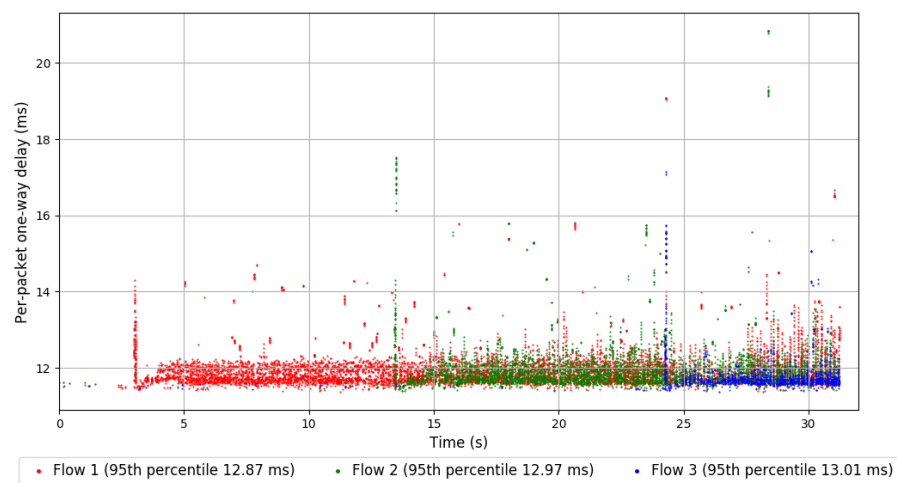
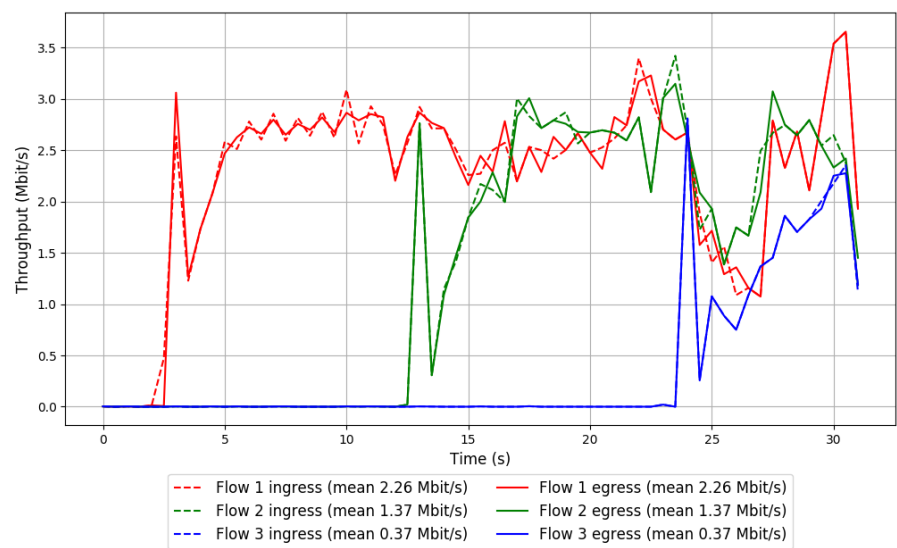
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 13.012 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:00:52 +0000

End at: Mon, 10 Jul 2017 00:01:22 +0000

Local clock offset: 2.6 ms

Remote clock offset: -19.749 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 11.528 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 11.385 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 11.572 ms

Loss rate: 0.07%

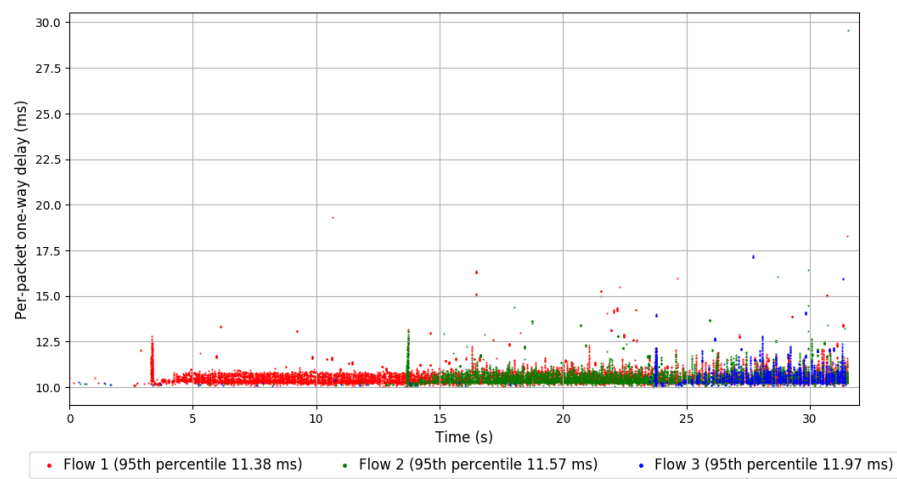
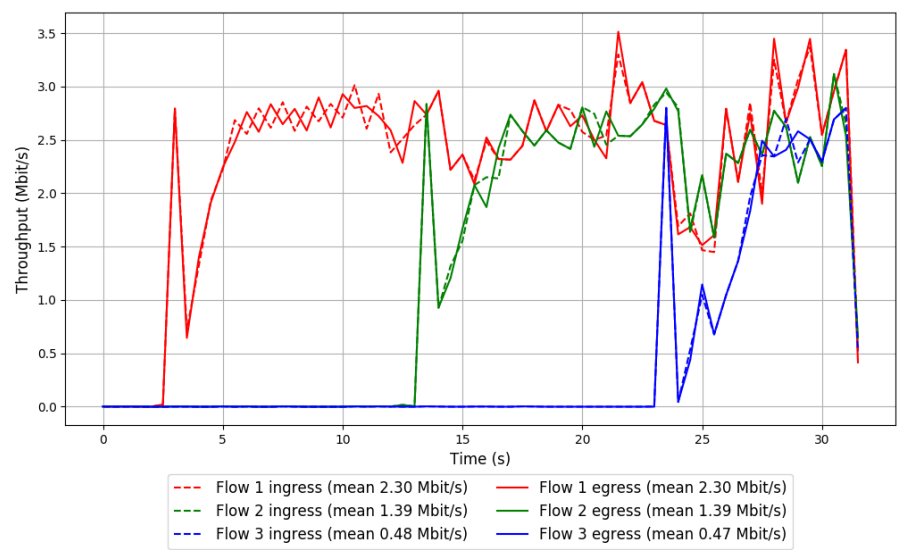
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 11.967 ms

Loss rate: 1.73%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:18:56 +0000

End at: Mon, 10 Jul 2017 00:19:26 +0000

Local clock offset: 4.253 ms

Remote clock offset: -20.769 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 10.372 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 10.285 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 10.472 ms

Loss rate: 0.00%

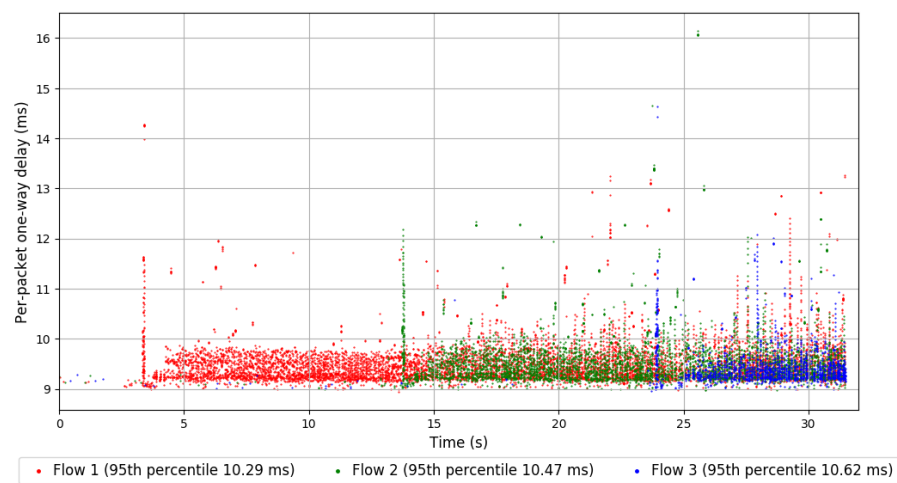
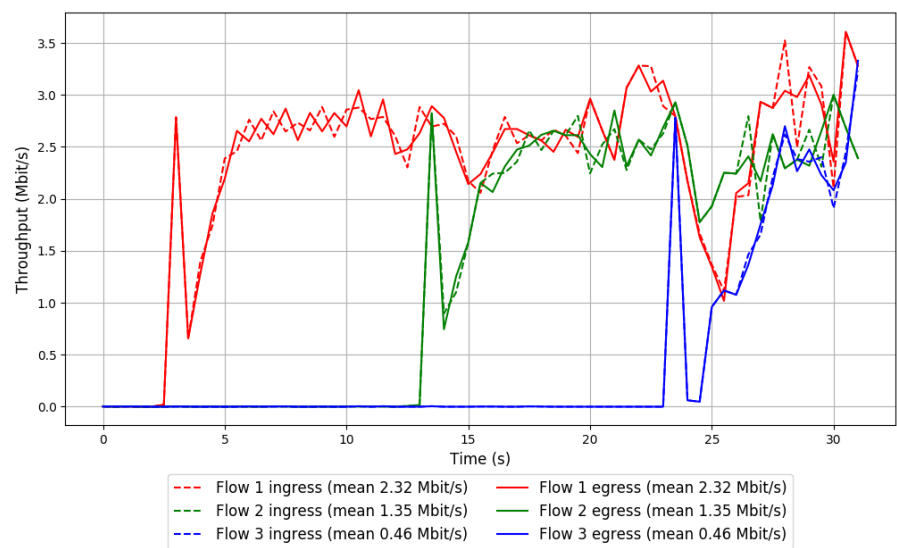
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 10.615 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:37:03 +0000

End at: Mon, 10 Jul 2017 00:37:33 +0000

Local clock offset: 2.859 ms

Remote clock offset: -20.701 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 10.543 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 10.476 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 10.585 ms

Loss rate: 0.00%

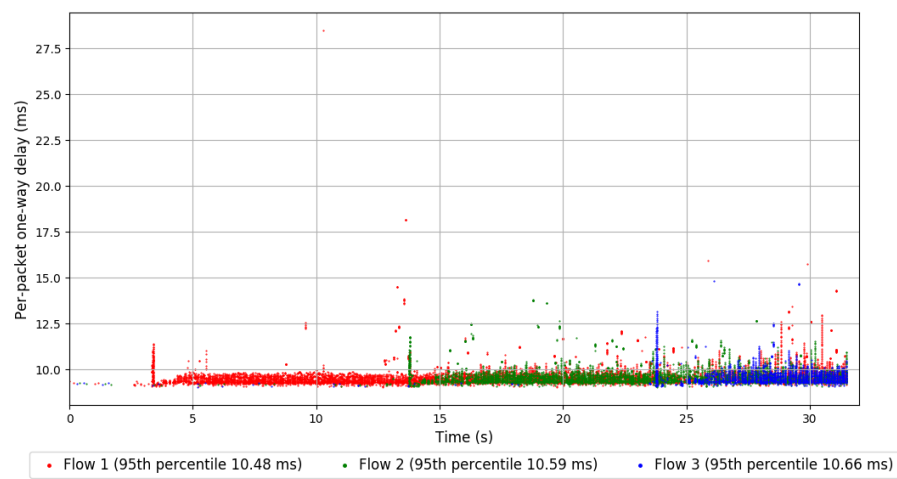
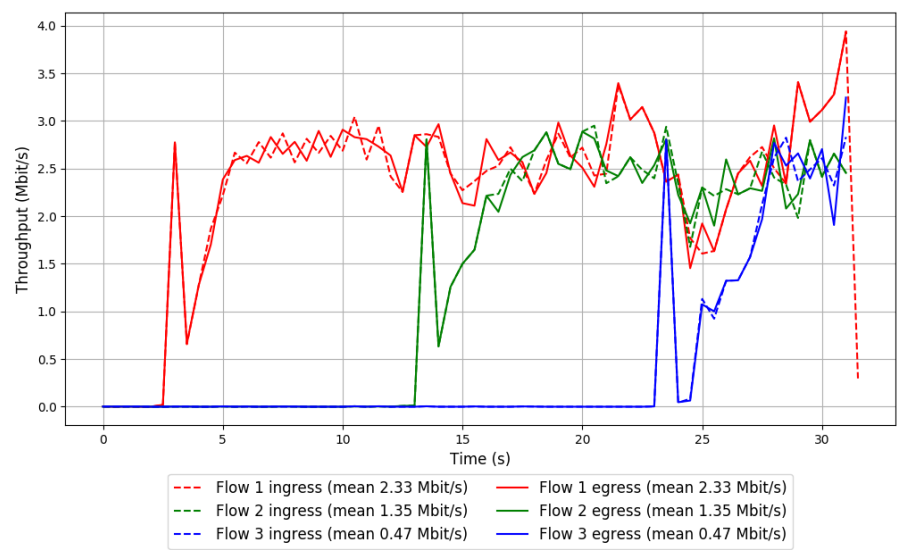
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 10.659 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:55:06 +0000

End at: Mon, 10 Jul 2017 00:55:36 +0000

Local clock offset: 3.656 ms

Remote clock offset: -18.811 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 16.229 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 16.041 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 16.377 ms

Loss rate: 0.15%

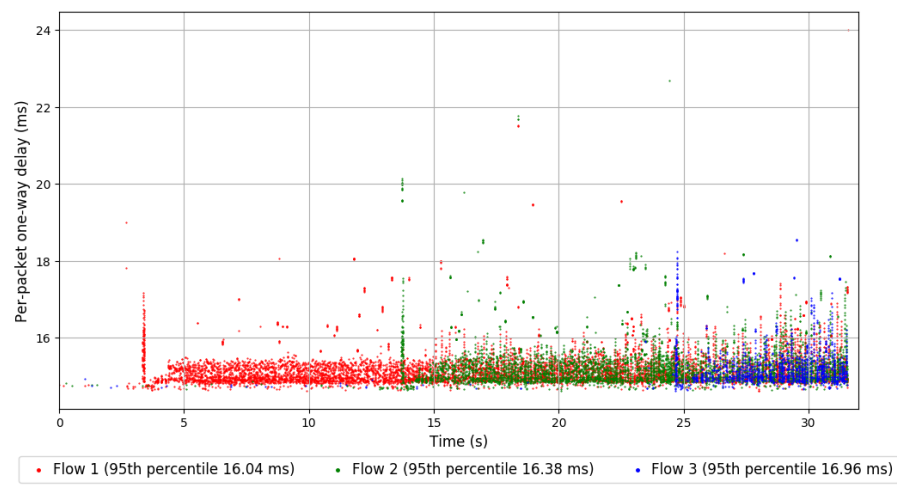
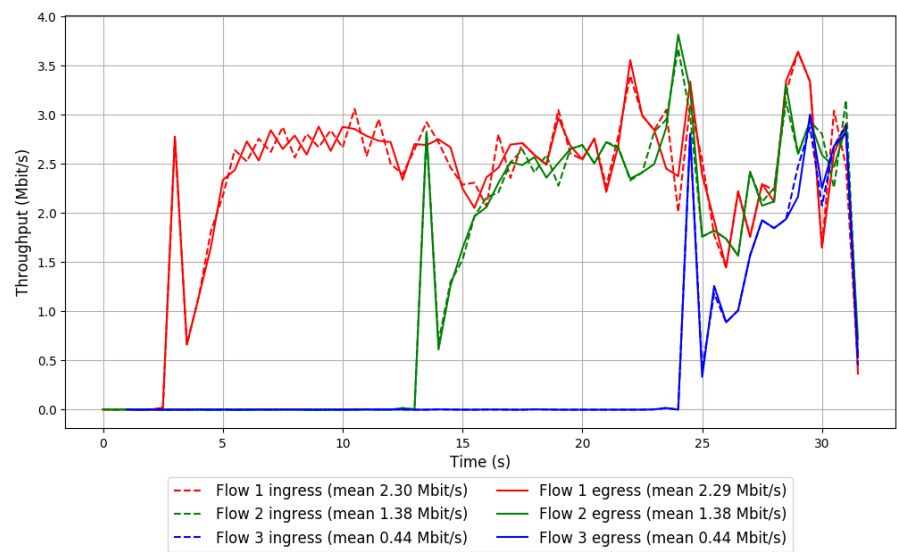
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 16.964 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 01:13:19 +0000

End at: Mon, 10 Jul 2017 01:13:49 +0000

Local clock offset: 3.588 ms

Remote clock offset: -20.968 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 16.229 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 16.104 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 16.305 ms

Loss rate: 0.00%

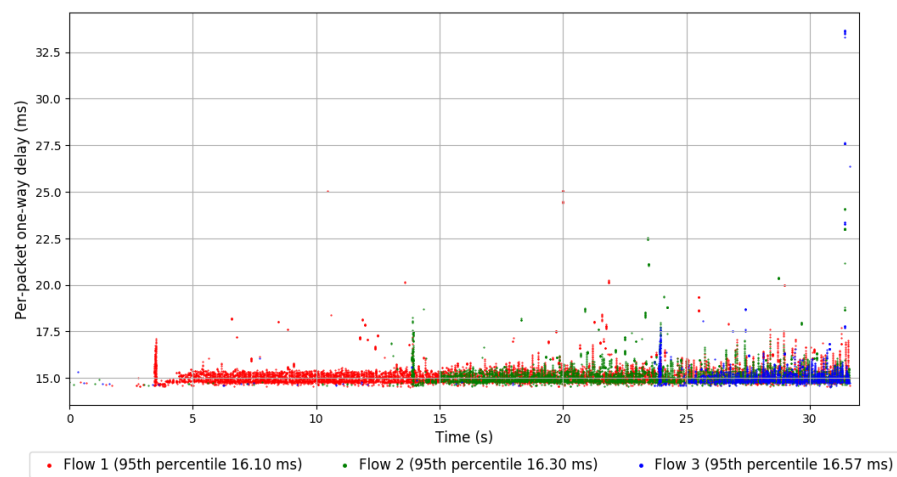
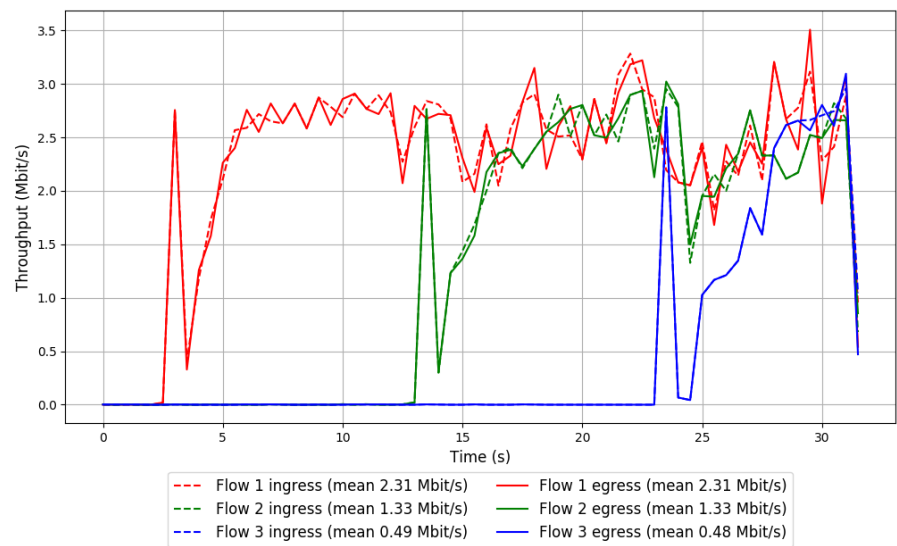
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 16.566 ms

Loss rate: 1.85%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 01:31:50 +0000

End at: Mon, 10 Jul 2017 01:32:20 +0000

Local clock offset: 0.249 ms

Remote clock offset: -21.146 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 15.800 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 15.608 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 15.812 ms

Loss rate: 0.03%

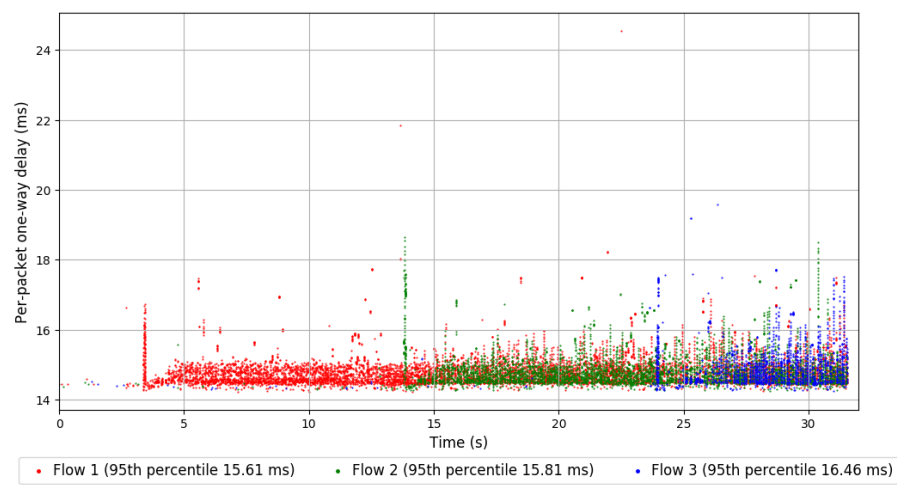
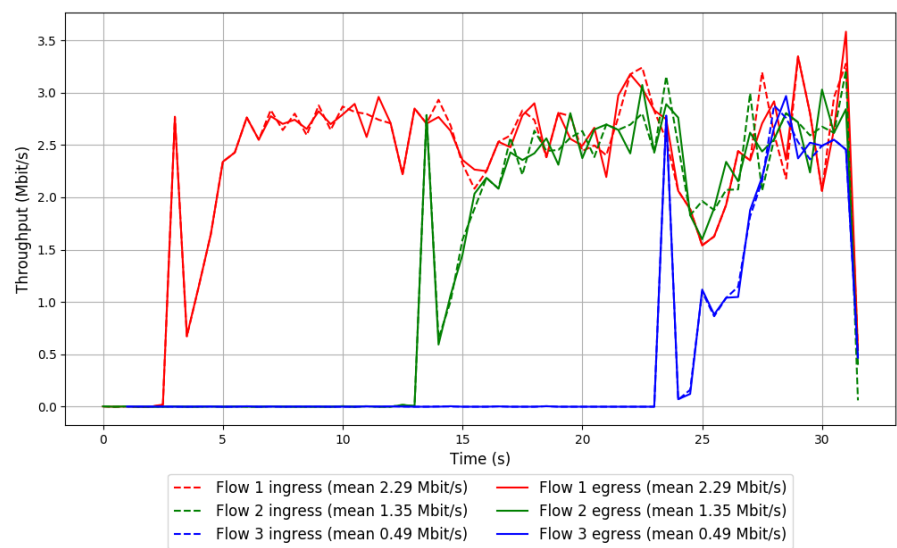
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 16.461 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 01:49:53 +0000

End at: Mon, 10 Jul 2017 01:50:23 +0000

Local clock offset: 3.769 ms

Remote clock offset: -21.124 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 11.296 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 11.178 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 11.255 ms

Loss rate: 0.71%

-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 12.003 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

