

Pantheon Summary (Generated at Mon, 10 Jul 2017 02:41:23 +0000 with pantheon version c3610718e2bbac84102e8ac47b889a75d4392d79)

Repeated the test of 15 congestion control schemes 10 times.

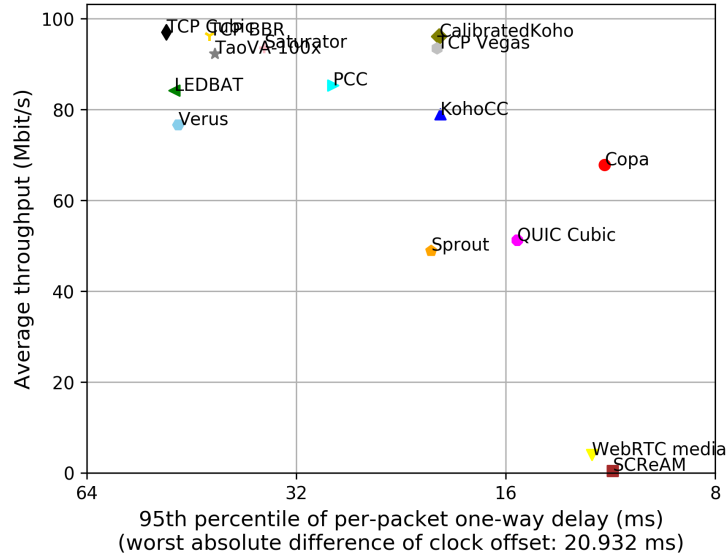
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

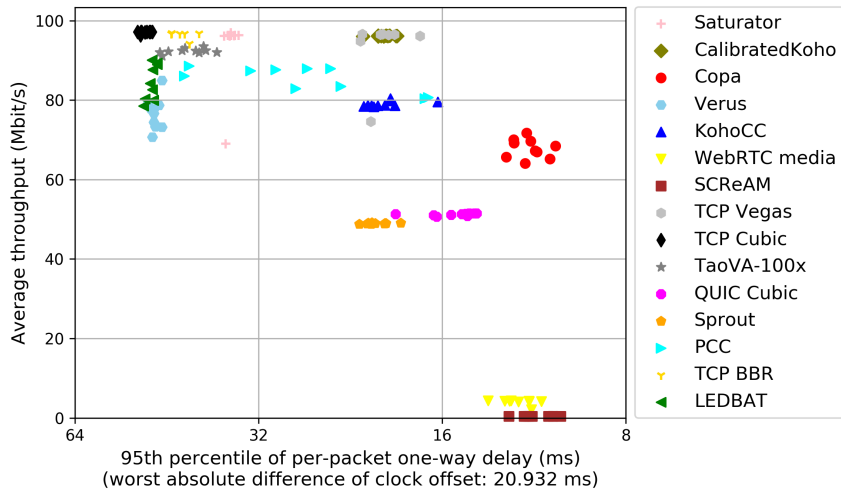
NTP offset measured against nets.org.sg.

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.23	38.98	48.01	41.15	43.40	44.79	1.24	2.68	2.79
CalibratedKoho	10	38.47	51.50	70.60	19.42	20.10	20.26	0.00	0.00	0.01
Copa	10	37.01	33.58	25.73	11.47	11.56	11.74	0.00	0.00	0.00
TCP Cubic	10	68.32	33.05	20.42	49.06	49.39	49.30	0.71	0.72	0.51
KohoCC	10	41.98	39.44	32.38	19.16	19.88	20.78	0.00	0.00	0.01
LEDBAT	10	50.86	37.21	26.56	47.39	48.11	48.72	0.31	0.35	0.59
PCC	10	72.94	10.76	15.94	27.63	30.04	29.00	0.89	0.84	1.07
QUIC Cubic	10	81.10	80.59	82.56	14.95	15.39	15.61	0.00	0.00	0.00
Saturator	10	87.75	50.50	33.61	266.61	35.57	47.07	0.26	0.50	20.35
SCReAM	10	0.21	0.21	0.22	11.23	11.23	11.24	0.00	0.00	0.00
Sprout	10	24.64	24.53	24.26	20.29	20.39	20.74	0.00	0.01	0.00
TaoVA-100x	10	52.82	42.02	35.24	39.50	43.28	43.90	4.17	8.71	9.96
TCP Vegas	10	54.80	40.89	34.86	550.04	17.63	15.10	0.21	0.04	0.00
Verus	10	47.84	35.18	18.92	46.80	47.85	47.52	33.12	44.76	45.76
WebRTC media	10	2.11	1.38	0.53	12.05	12.08	12.38	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:06:24 +0000

End at: Sun, 09 Jul 2017 20:06:54 +0000

Local clock offset: -1.858 ms

Remote clock offset: -18.213 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:27:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 40.068 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 39.108 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 39.638 ms

Loss rate: 1.94%

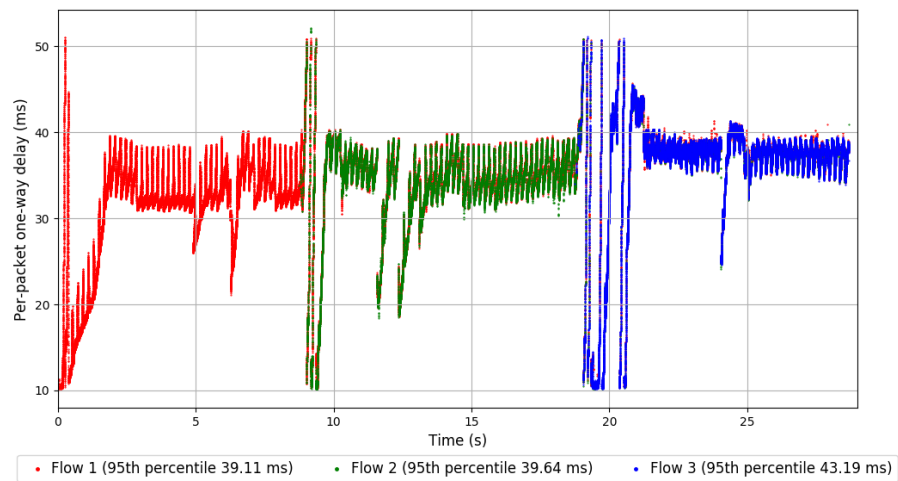
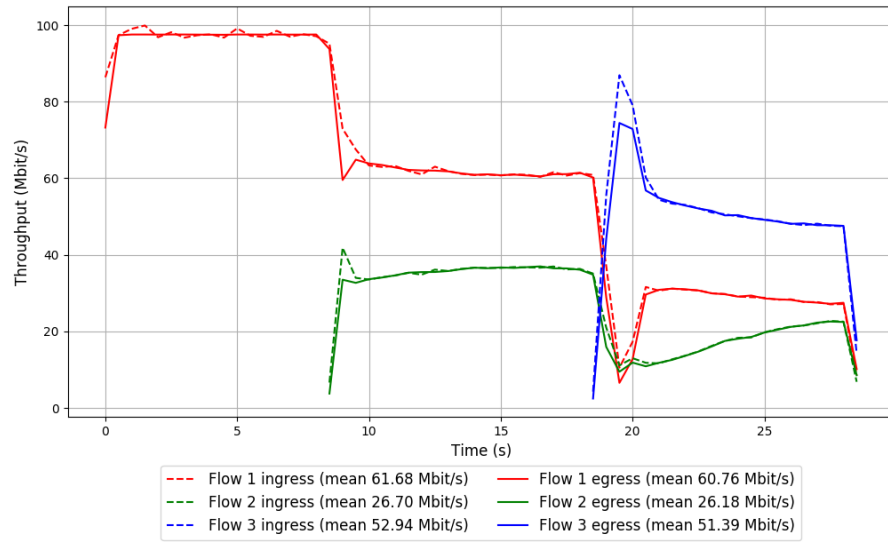
-- Flow 3:

Average throughput: 51.39 Mbit/s

95th percentile per-packet one-way delay: 43.190 ms

Loss rate: 2.91%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:24:19 +0000

End at: Sun, 09 Jul 2017 20:24:49 +0000

Local clock offset: -2.22 ms

Remote clock offset: -16.857 ms

Run 2: Report of TCP BBR — Data Link

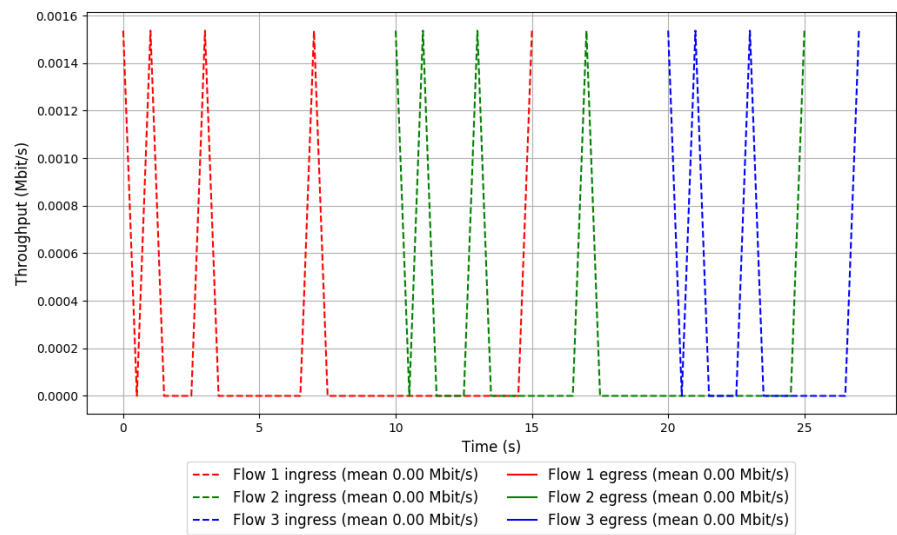


Figure is missing

Run 3: Statistics of TCP BBR

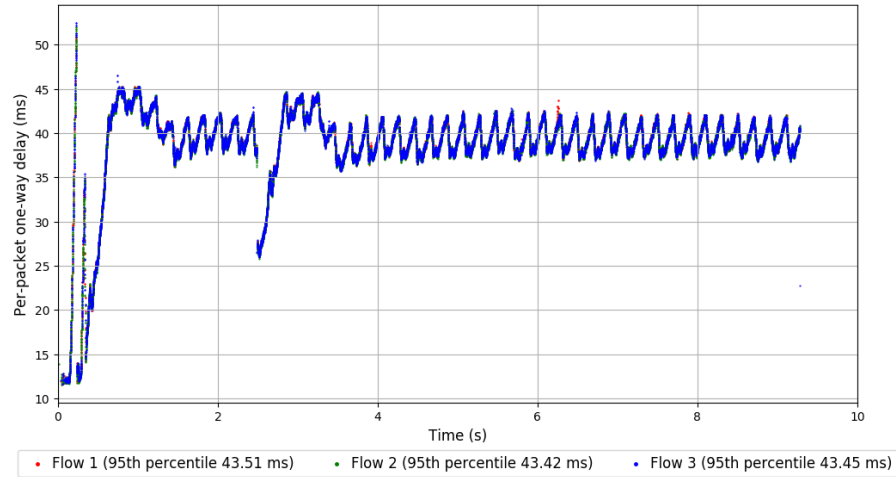
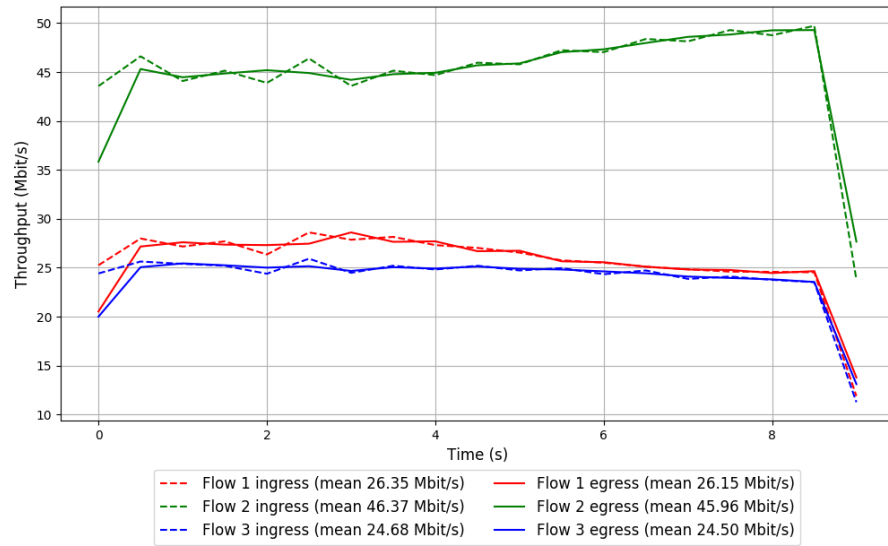
Start at: Sun, 09 Jul 2017 20:42:13 +0000

End at: Sun, 09 Jul 2017 20:42:43 +0000

Local clock offset: 1.147 ms

Remote clock offset: -19.389 ms

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:00:06 +0000

End at: Sun, 09 Jul 2017 21:00:36 +0000

Local clock offset: -1.629 ms

Remote clock offset: -18.308 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:27:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 41.561 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 41.236 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 41.769 ms

Loss rate: 2.64%

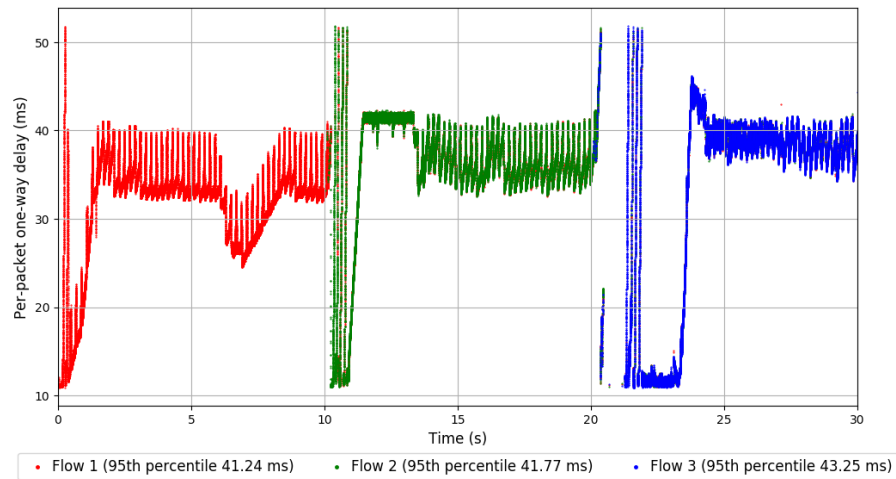
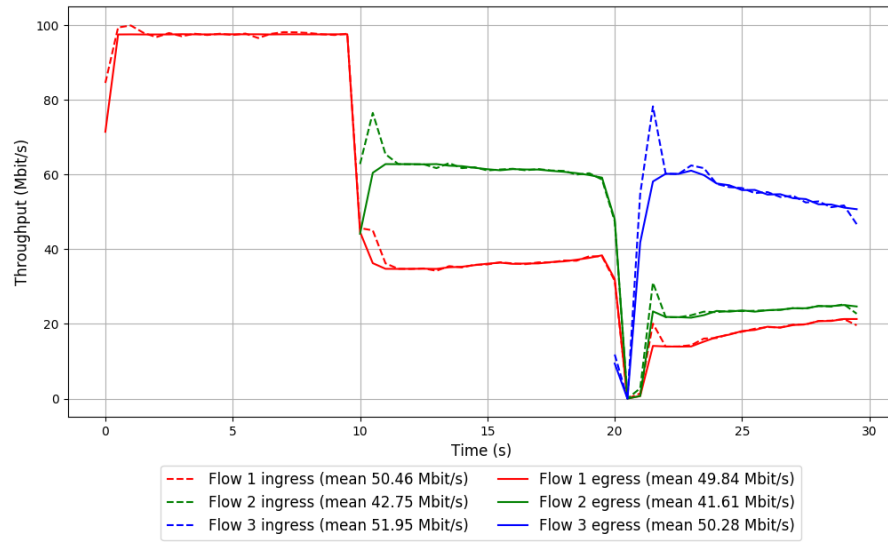
-- Flow 3:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 43.253 ms

Loss rate: 3.30%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

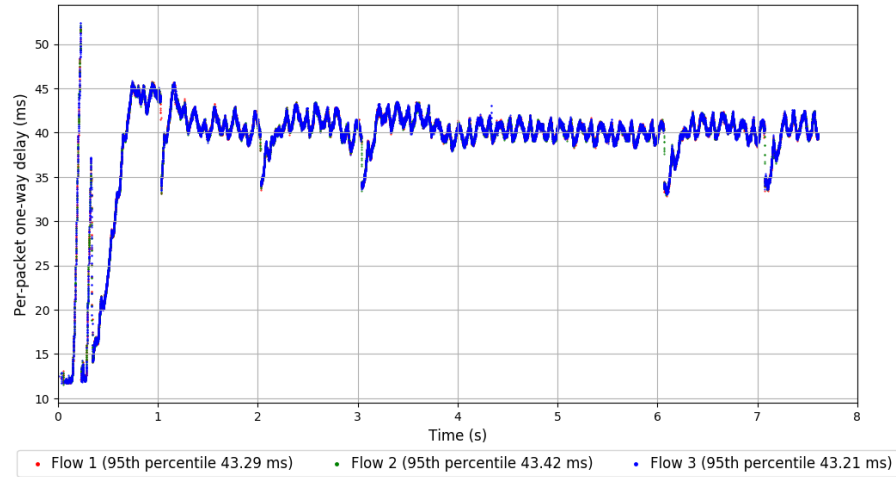
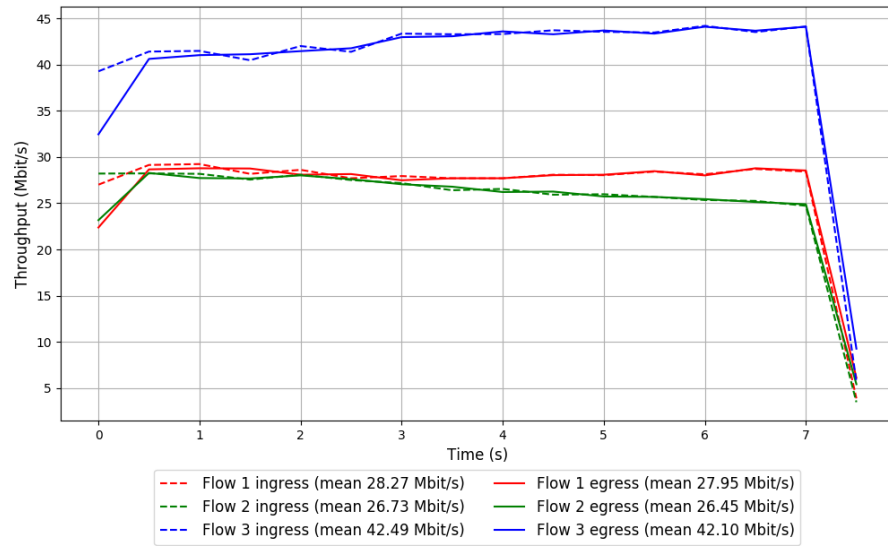
Start at: Sun, 09 Jul 2017 21:18:06 +0000

End at: Sun, 09 Jul 2017 21:18:36 +0000

Local clock offset: -2.758 ms

Remote clock offset: -19.003 ms

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:36:04 +0000

End at: Sun, 09 Jul 2017 21:36:34 +0000

Local clock offset: -3.172 ms

Remote clock offset: -20.373 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 44.480 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 43.190 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 46.070 ms

Loss rate: 2.82%

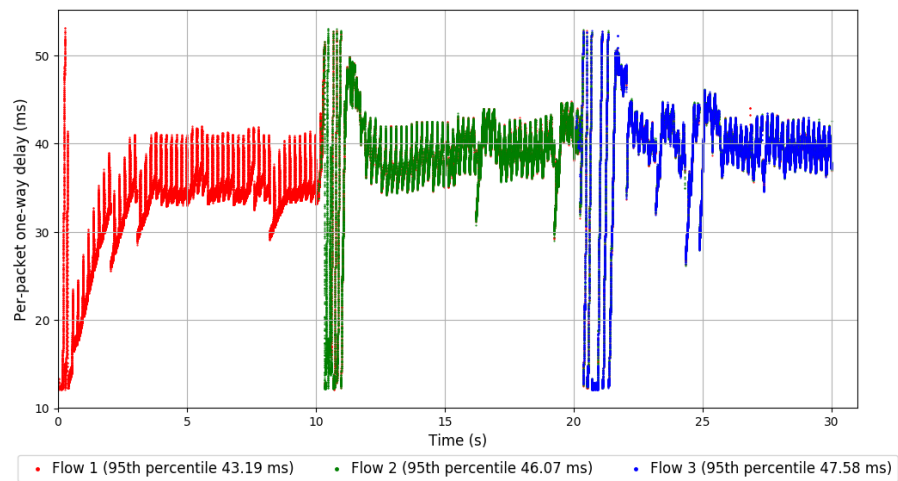
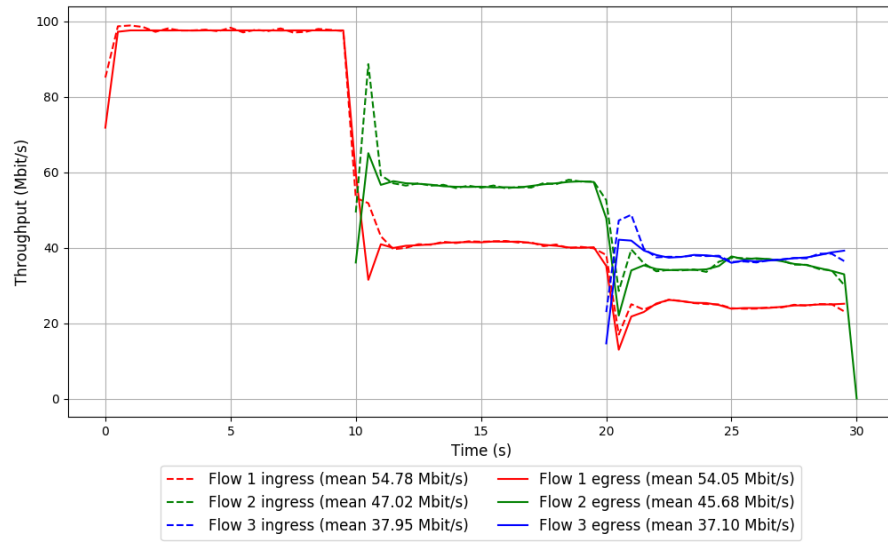
-- Flow 3:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 47.578 ms

Loss rate: 2.27%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:53:58 +0000

End at: Sun, 09 Jul 2017 21:54:28 +0000

Local clock offset: -2.443 ms

Remote clock offset: -19.476 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 43.087 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 51.25 Mbit/s

95th percentile per-packet one-way delay: 41.397 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 43.921 ms

Loss rate: 3.01%

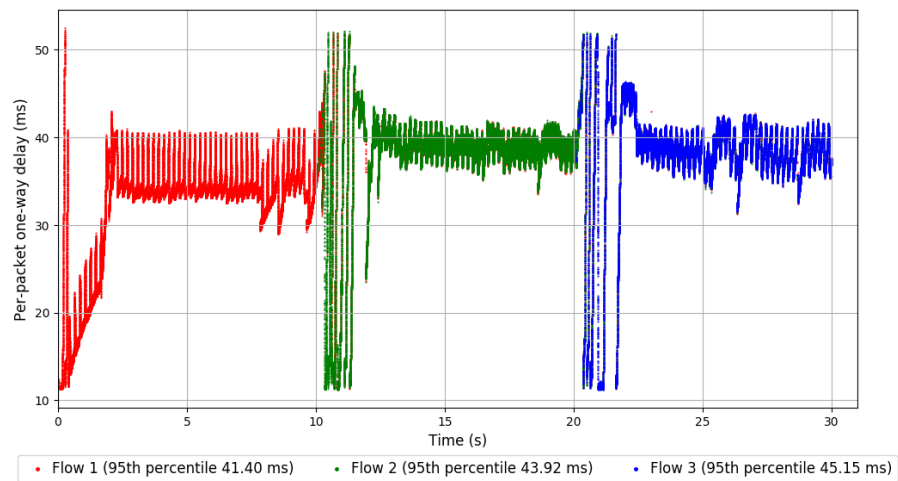
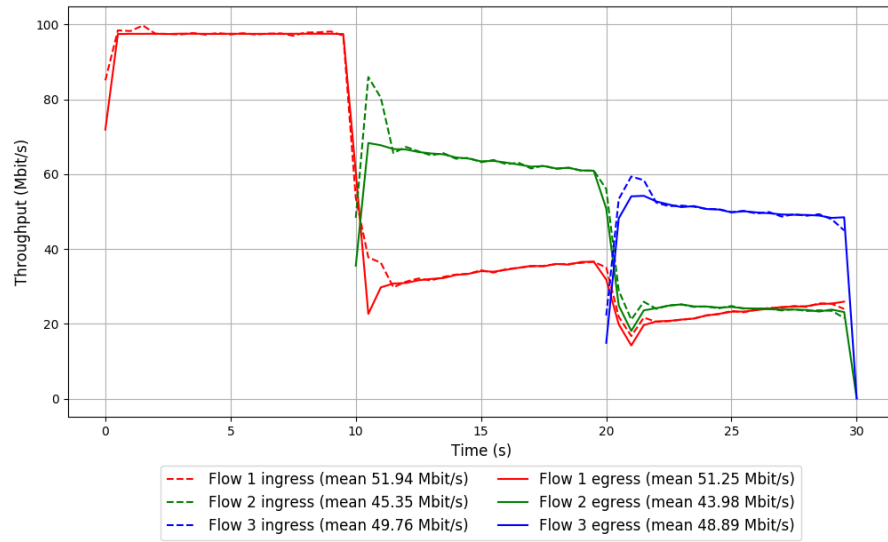
-- Flow 3:

Average throughput: 48.89 Mbit/s

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

Loss rate: 1.77%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

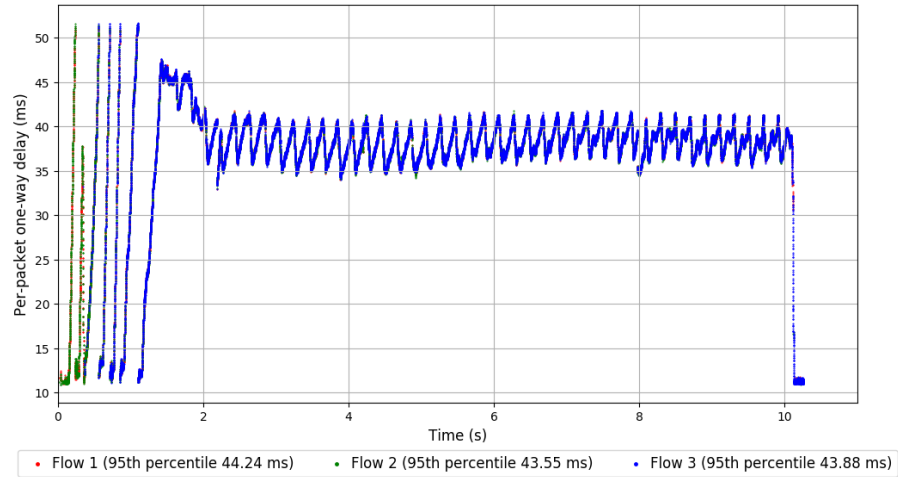
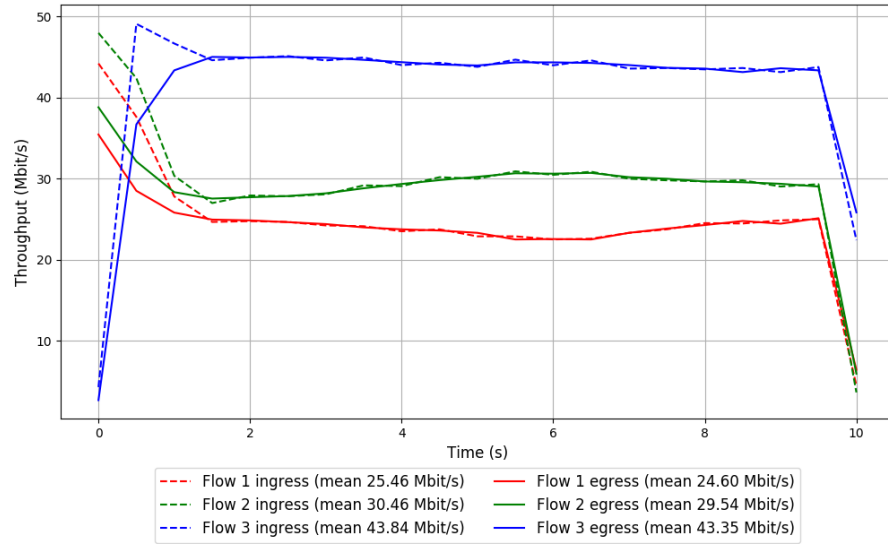
Start at: Sun, 09 Jul 2017 22:11:57 +0000

End at: Sun, 09 Jul 2017 22:12:27 +0000

Local clock offset: 1.376 ms

Remote clock offset: -18.746 ms

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:29:46 +0000

End at: Sun, 09 Jul 2017 22:30:16 +0000

Local clock offset: -1.55 ms

Remote clock offset: -17.432 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 42.334 ms

Loss rate: 1.99%

-- Flow 1:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 40.958 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 37.27 Mbit/s

95th percentile per-packet one-way delay: 43.289 ms

Loss rate: 2.57%

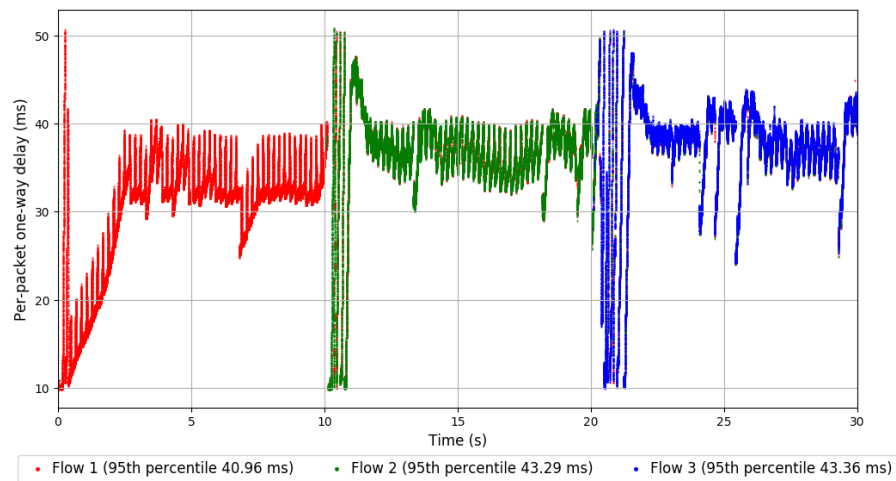
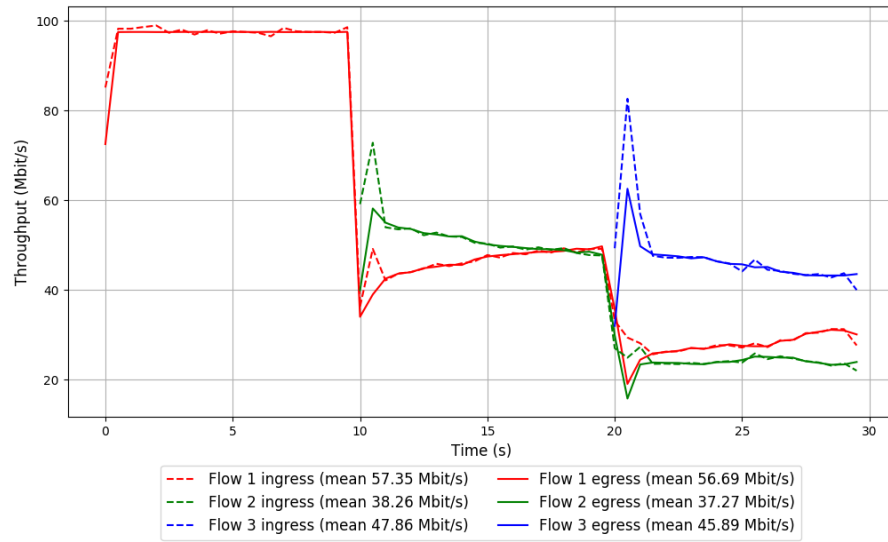
-- Flow 3:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 43.359 ms

Loss rate: 4.21%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:47:35 +0000

End at: Sun, 09 Jul 2017 22:48:05 +0000

Local clock offset: -1.203 ms

Remote clock offset: -17.814 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 44.417 ms

Loss rate: 1.94%

-- Flow 1:

Average throughput: 52.77 Mbit/s

95th percentile per-packet one-way delay: 41.024 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: 45.724 ms

Loss rate: 3.08%

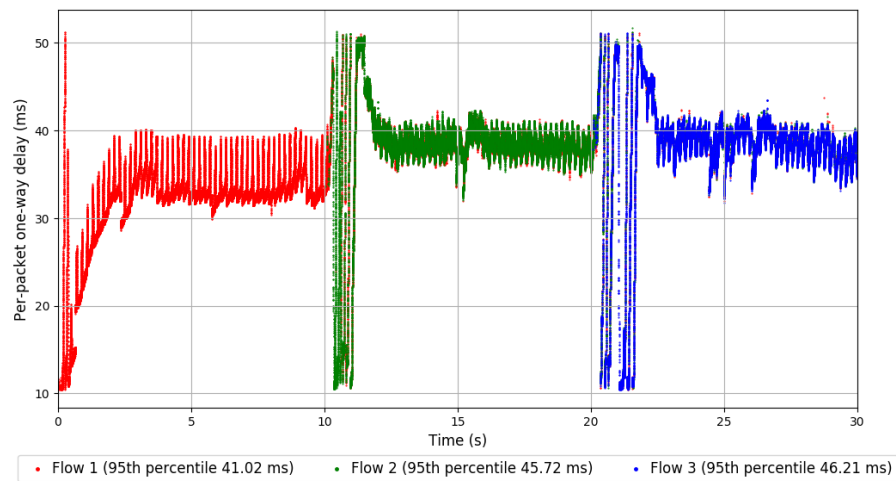
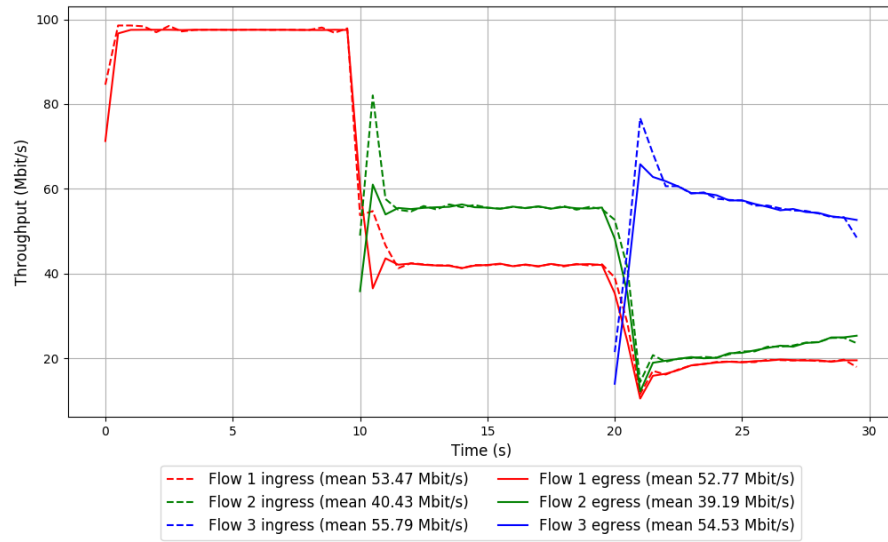
-- Flow 3:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 46.211 ms

Loss rate: 2.28%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:04:00 +0000

End at: Sun, 09 Jul 2017 20:04:30 +0000

Local clock offset: -2.193 ms

Remote clock offset: -17.711 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 19.785 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.95 Mbit/s

95th percentile per-packet one-way delay: 18.838 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 19.821 ms

Loss rate: 0.00%

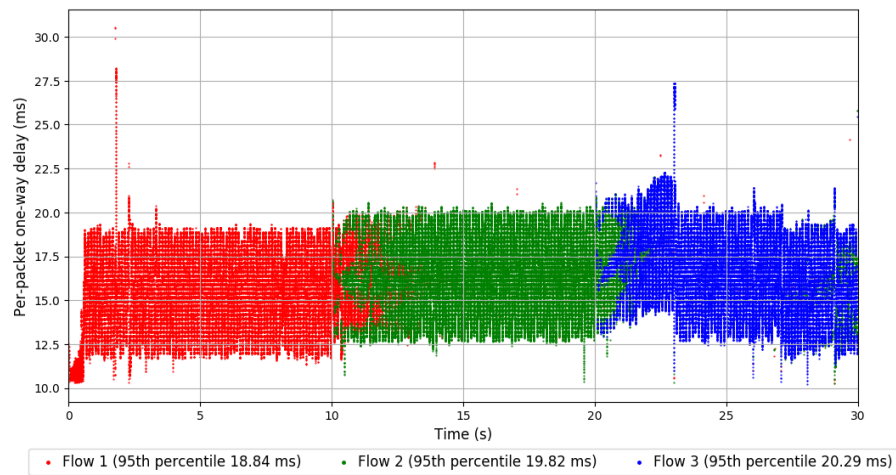
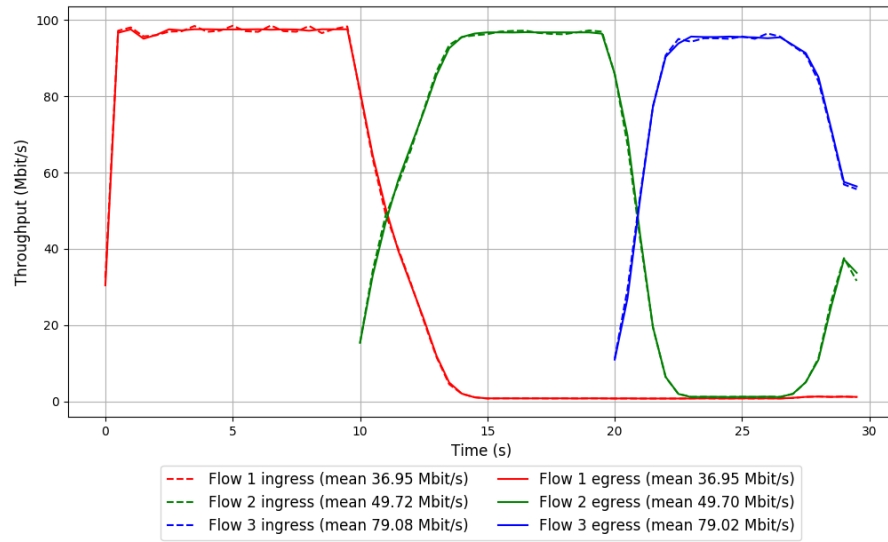
-- Flow 3:

Average throughput: 79.02 Mbit/s

95th percentile per-packet one-way delay: 20.292 ms

Loss rate: 0.00%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:21:56 +0000

End at: Sun, 09 Jul 2017 20:22:26 +0000

Local clock offset: -2.289 ms

Remote clock offset: -18.753 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 19.054 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 46.87 Mbit/s

95th percentile per-packet one-way delay: 18.939 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.63 Mbit/s

95th percentile per-packet one-way delay: 19.213 ms

Loss rate: 0.02%

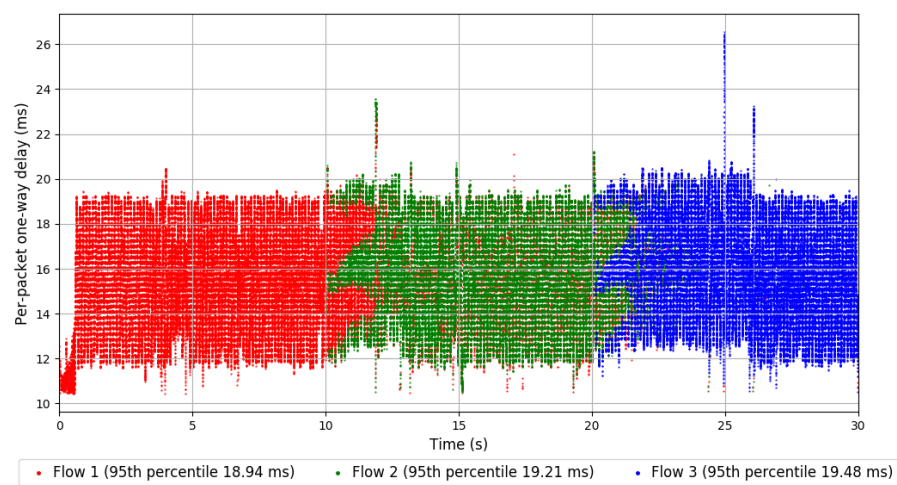
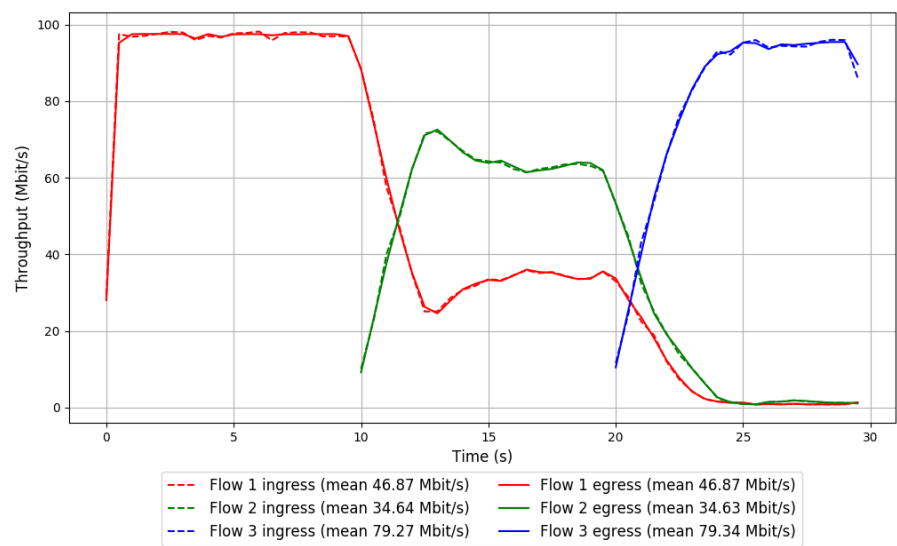
-- Flow 3:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 19.483 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:39:49 +0000

End at: Sun, 09 Jul 2017 20:40:19 +0000

Local clock offset: -1.591 ms

Remote clock offset: -18.339 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 19.968 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 37.38 Mbit/s

95th percentile per-packet one-way delay: 19.895 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.39 Mbit/s

95th percentile per-packet one-way delay: 20.198 ms

Loss rate: 0.01%

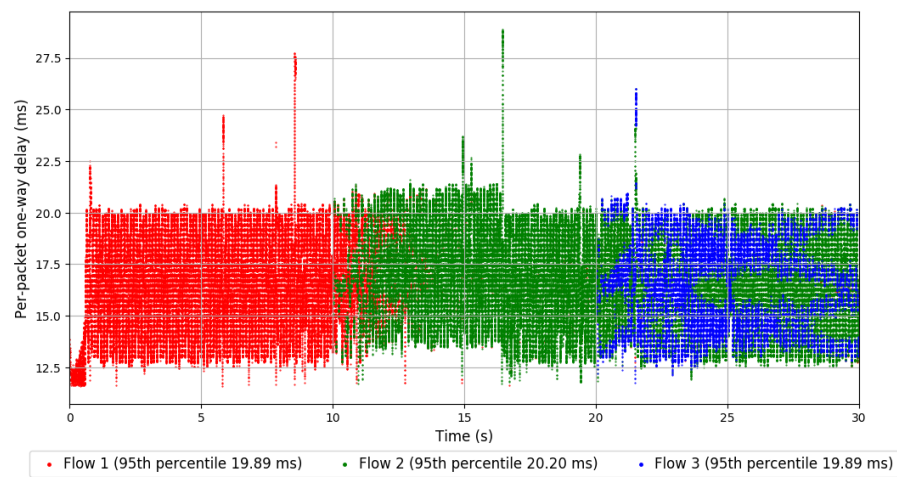
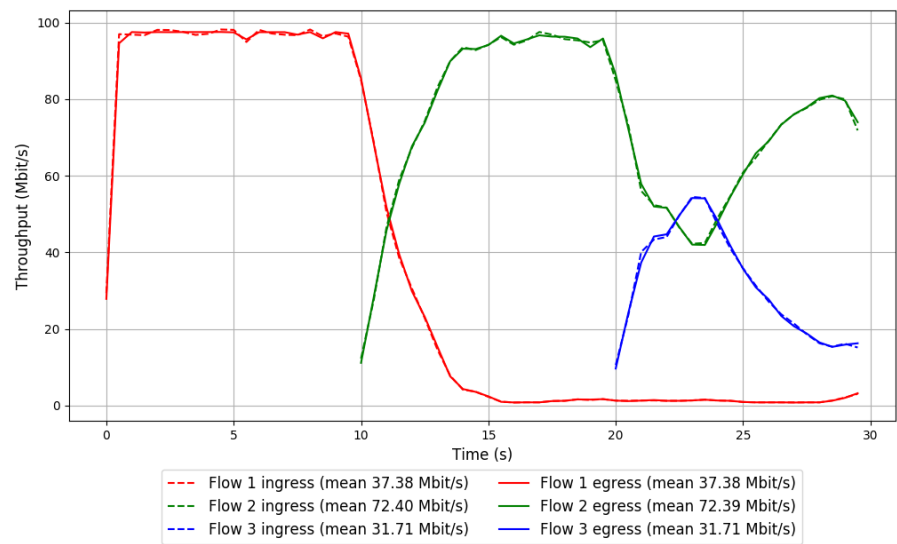
-- Flow 3:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 19.891 ms

Loss rate: 0.02%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:57:46 +0000

End at: Sun, 09 Jul 2017 20:58:16 +0000

Local clock offset: -3.003 ms

Remote clock offset: -17.859 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 19.646 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 18.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 19.845 ms

Loss rate: 0.01%

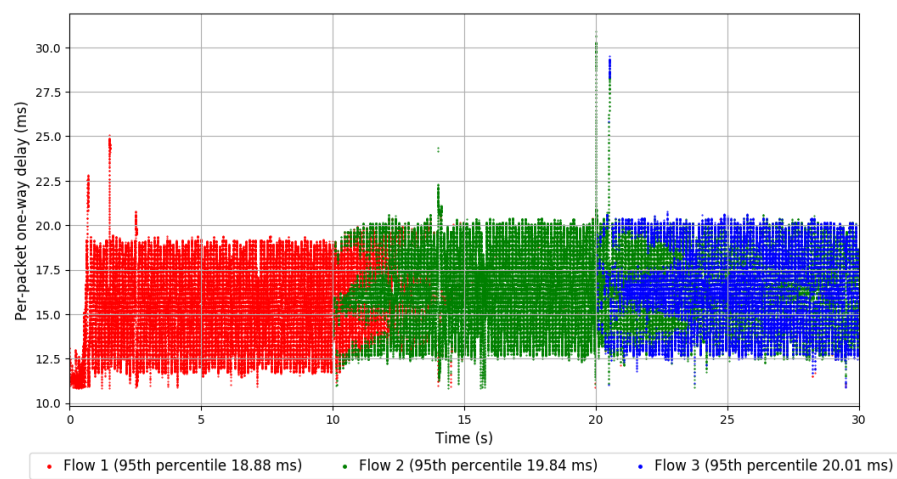
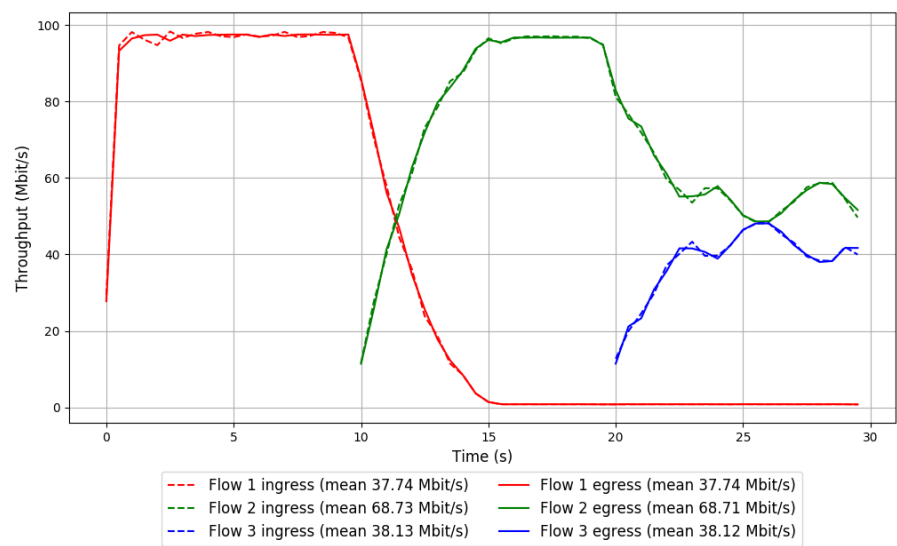
-- Flow 3:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 20.013 ms

Loss rate: 0.03%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:15:43 +0000

End at: Sun, 09 Jul 2017 21:16:13 +0000

Local clock offset: -1.167 ms

Remote clock offset: -19.976 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 20.378 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.10 Mbit/s

95th percentile per-packet one-way delay: 19.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 20.630 ms

Loss rate: 0.00%

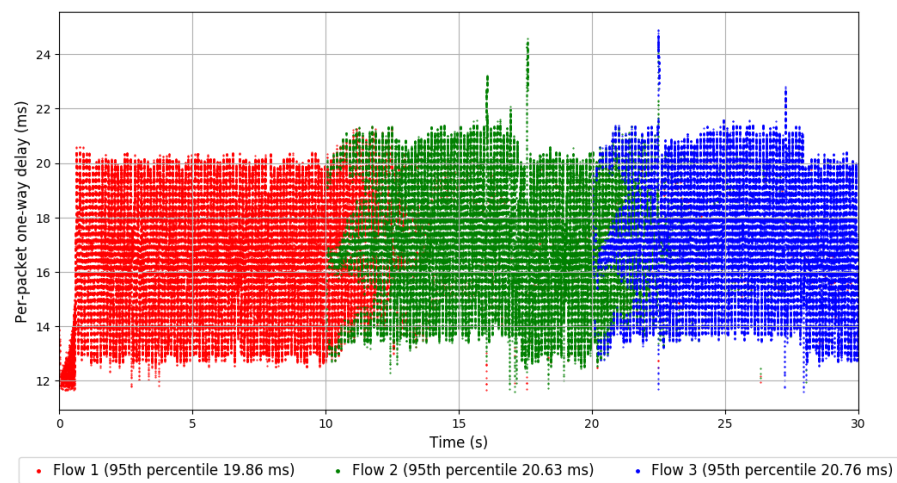
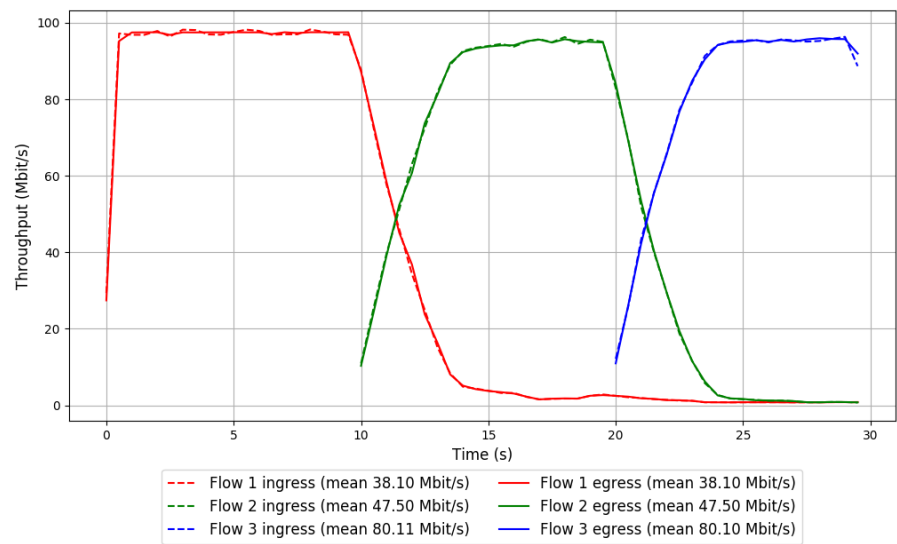
-- Flow 3:

Average throughput: 80.10 Mbit/s

95th percentile per-packet one-way delay: 20.756 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:33:35 +0000

End at: Sun, 09 Jul 2017 21:34:05 +0000

Local clock offset: -0.416 ms

Remote clock offset: -19.478 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:28:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 21.589 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.34 Mbit/s

95th percentile per-packet one-way delay: 21.012 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.11 Mbit/s

95th percentile per-packet one-way delay: 21.592 ms

Loss rate: 0.00%

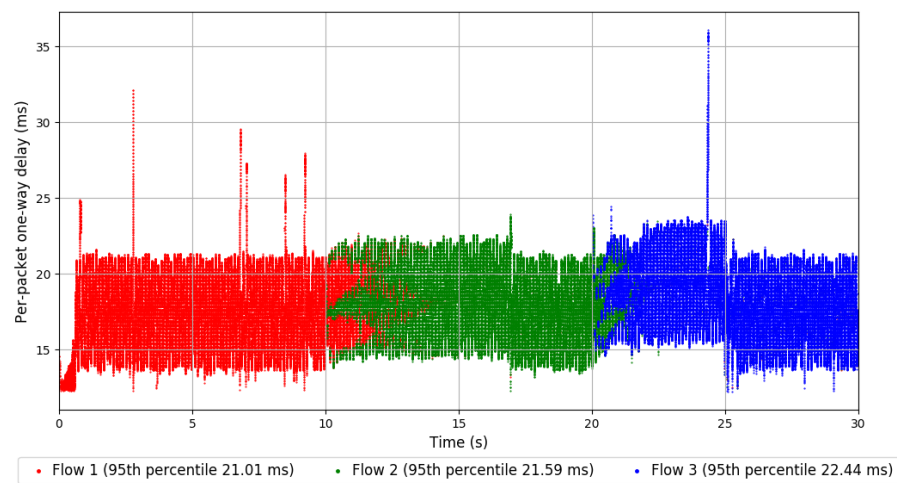
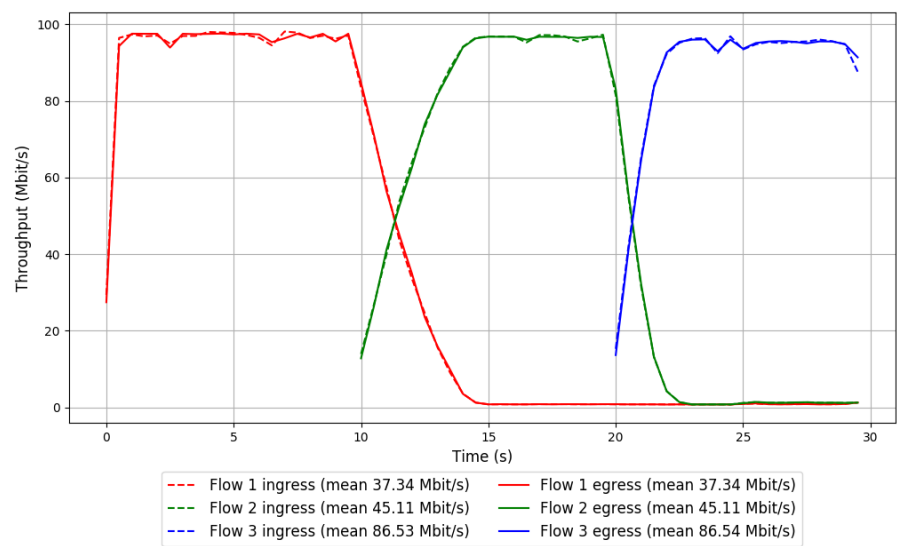
-- Flow 3:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 22.440 ms

Loss rate: 0.00%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:51:35 +0000

End at: Sun, 09 Jul 2017 21:52:05 +0000

Local clock offset: -0.283 ms

Remote clock offset: -18.116 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 20.373 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.45 Mbit/s

95th percentile per-packet one-way delay: 20.033 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.63 Mbit/s

95th percentile per-packet one-way delay: 20.801 ms

Loss rate: 0.00%

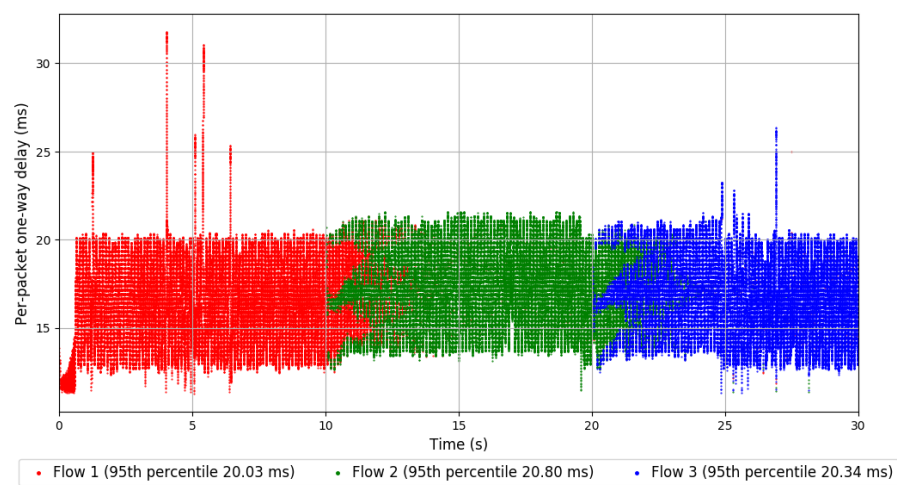
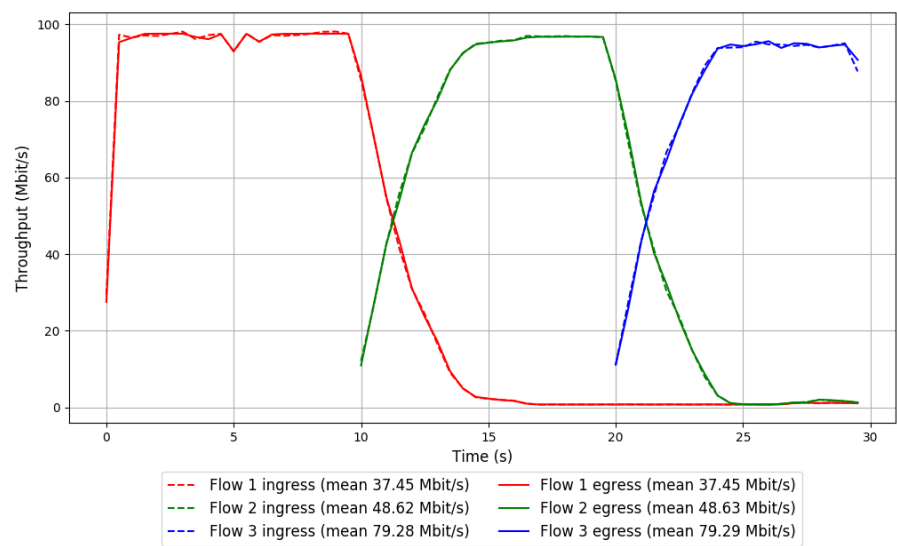
-- Flow 3:

Average throughput: 79.29 Mbit/s

95th percentile per-packet one-way delay: 20.336 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:09:32 +0000

End at: Sun, 09 Jul 2017 22:10:02 +0000

Local clock offset: 1.44 ms

Remote clock offset: -17.455 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 20.161 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 19.956 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.61 Mbit/s

95th percentile per-packet one-way delay: 20.208 ms

Loss rate: 0.00%

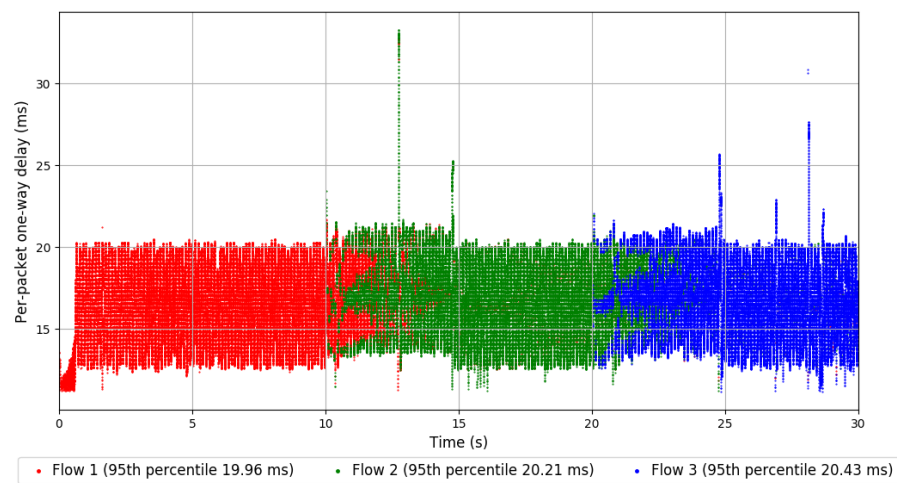
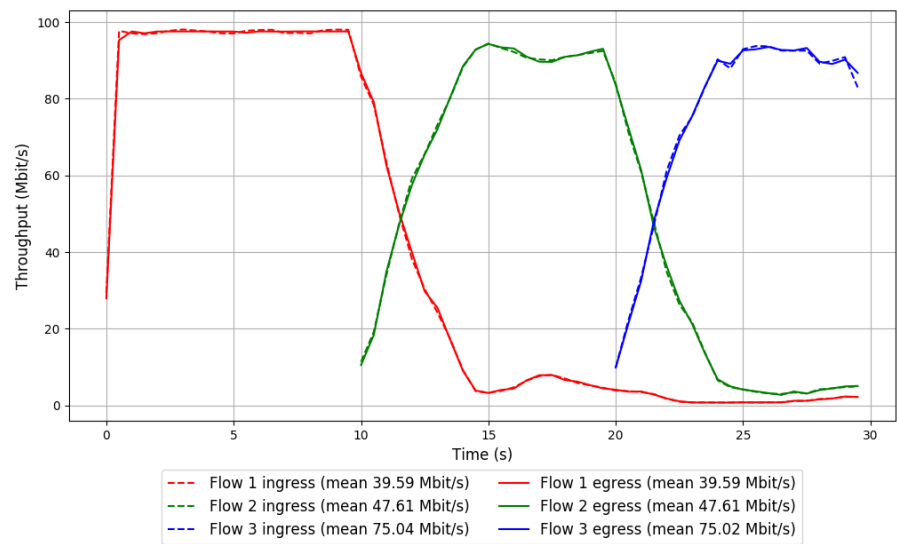
-- Flow 3:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 20.430 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:27:24 +0000

End at: Sun, 09 Jul 2017 22:27:54 +0000

Local clock offset: 1.25 ms

Remote clock offset: -15.04 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 19.522 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 17.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 19.559 ms

Loss rate: 0.00%

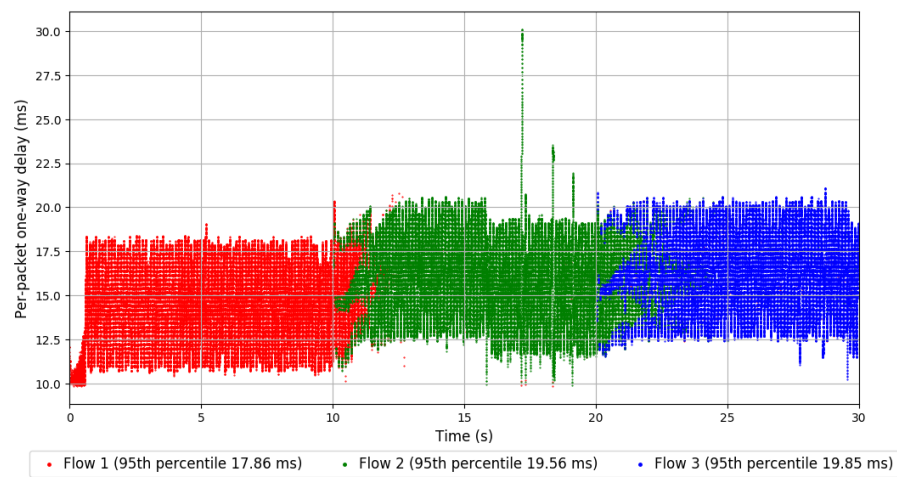
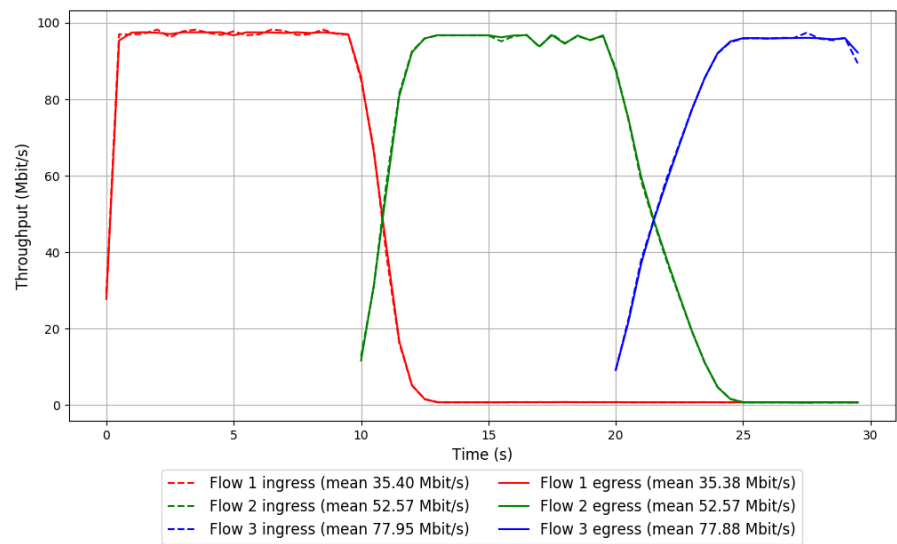
-- Flow 3:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 19.854 ms

Loss rate: 0.05%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:45:15 +0000

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

Local clock offset: 1.088 ms

Remote clock offset: -16.461 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 18.967 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 18.920 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.13 Mbit/s

95th percentile per-packet one-way delay: 19.149 ms

Loss rate: 0.00%

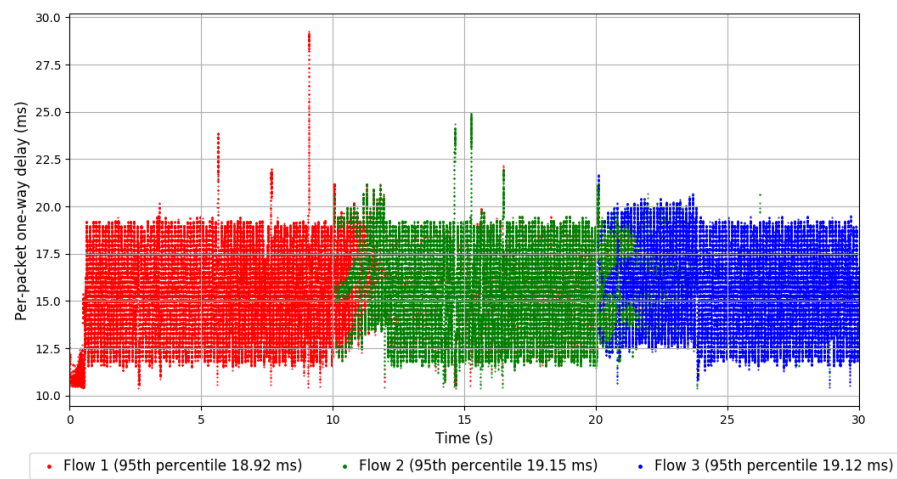
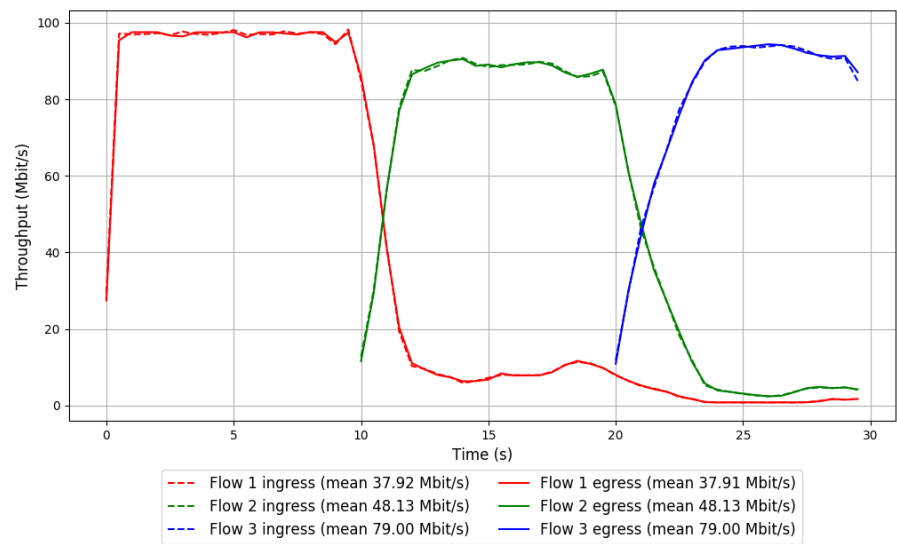
-- Flow 3:

Average throughput: 79.00 Mbit/s

95th percentile per-packet one-way delay: 19.116 ms

Loss rate: 0.00%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:07:37 +0000

End at: Sun, 09 Jul 2017 20:08:07 +0000

Local clock offset: 1.346 ms

Remote clock offset: -17.413 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 10.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.37 Mbit/s

95th percentile per-packet one-way delay: 10.586 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 10.716 ms

Loss rate: 0.00%

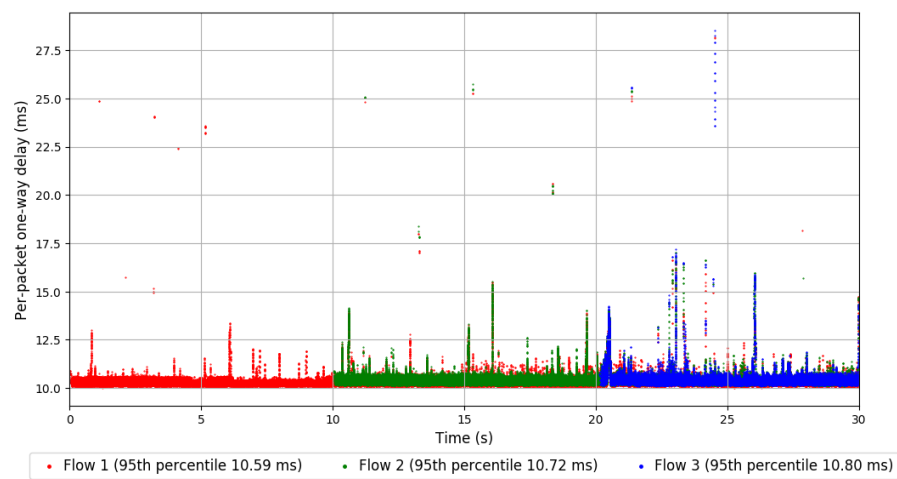
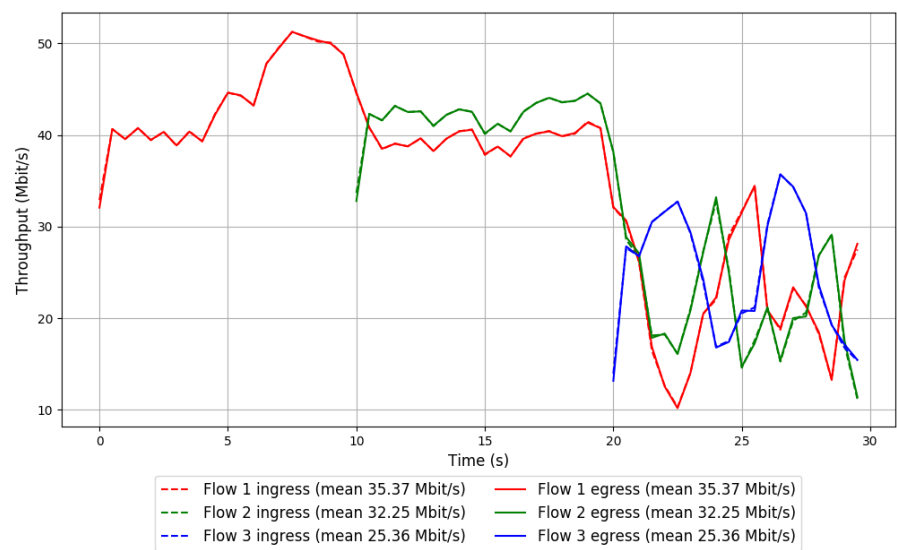
-- Flow 3:

Average throughput: 25.36 Mbit/s

95th percentile per-packet one-way delay: 10.797 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:25:24 +0000

End at: Sun, 09 Jul 2017 20:25:54 +0000

Local clock offset: 1.424 ms

Remote clock offset: -18.838 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.23 Mbit/s

95th percentile per-packet one-way delay: 11.262 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.89 Mbit/s

95th percentile per-packet one-way delay: 11.171 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 11.306 ms

Loss rate: 0.00%

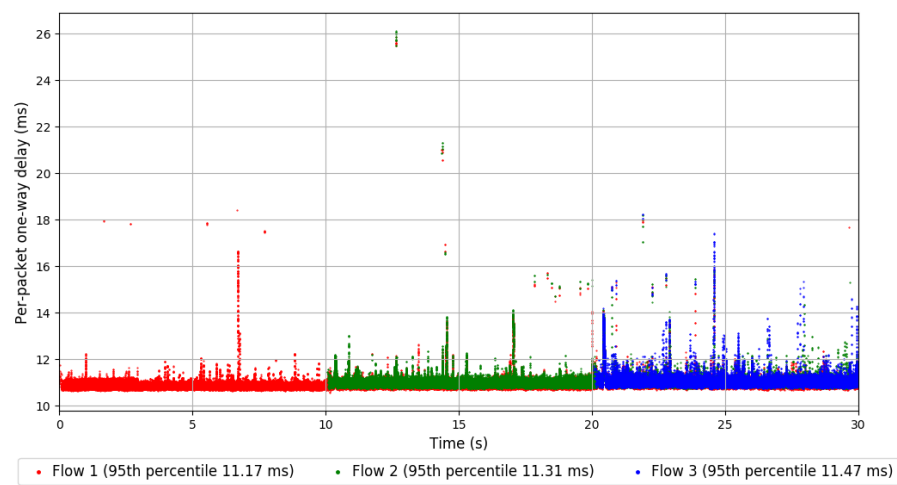
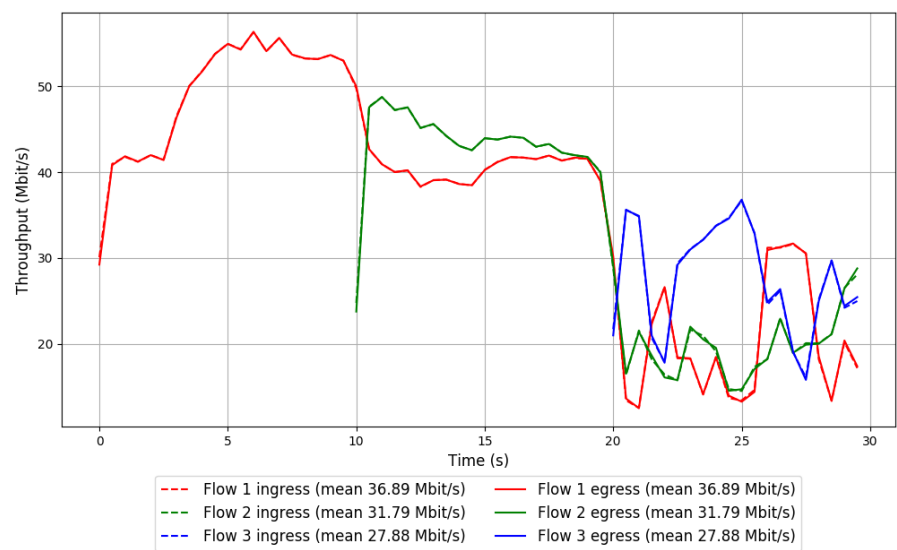
-- Flow 3:

Average throughput: 27.88 Mbit/s

95th percentile per-packet one-way delay: 11.468 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:43:21 +0000

End at: Sun, 09 Jul 2017 20:43:51 +0000

Local clock offset: -2.481 ms

Remote clock offset: -20.52 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 12.202 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.60 Mbit/s

95th percentile per-packet one-way delay: 12.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: 12.255 ms

Loss rate: 0.00%

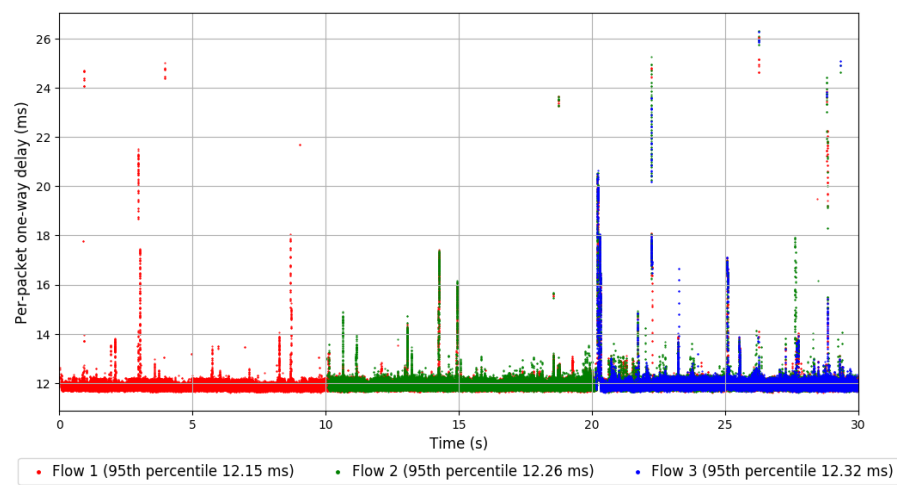
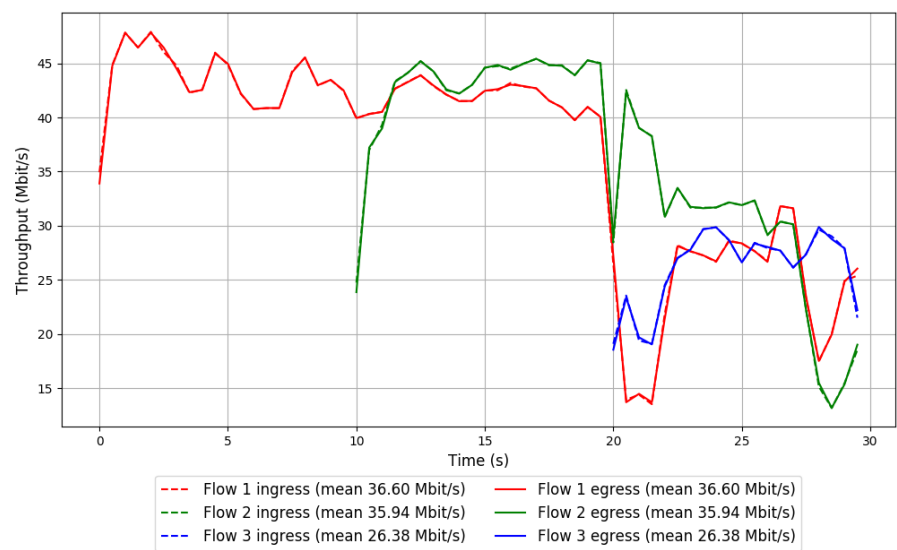
-- Flow 3:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 12.317 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:01:17 +0000

End at: Sun, 09 Jul 2017 21:01:47 +0000

Local clock offset: -3.067 ms

Remote clock offset: -18.839 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:29:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.69 Mbit/s

95th percentile per-packet one-way delay: 11.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.93 Mbit/s

95th percentile per-packet one-way delay: 11.562 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.59 Mbit/s

95th percentile per-packet one-way delay: 11.652 ms

Loss rate: 0.00%

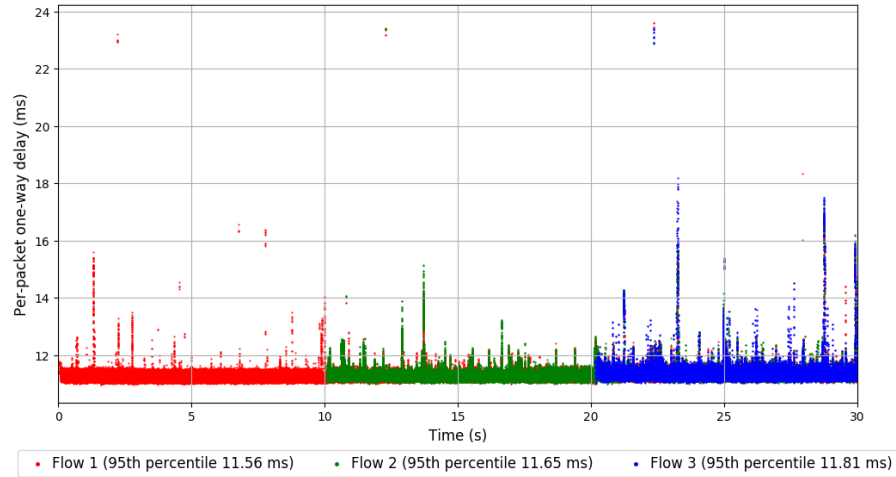
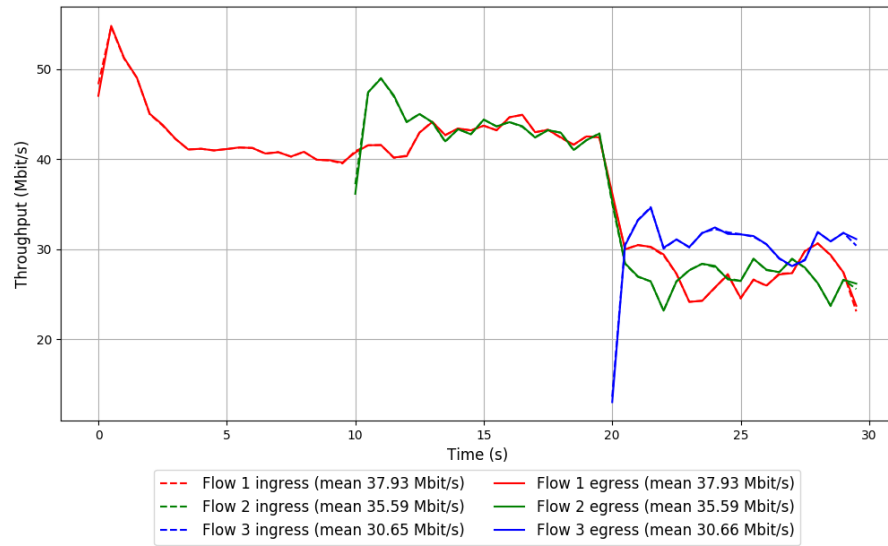
-- Flow 3:

Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 11.808 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:19:13 +0000

End at: Sun, 09 Jul 2017 21:19:43 +0000

Local clock offset: -3.23 ms

Remote clock offset: -19.426 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:30:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 12.218 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.30 Mbit/s

95th percentile per-packet one-way delay: 12.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 12.274 ms

Loss rate: 0.00%

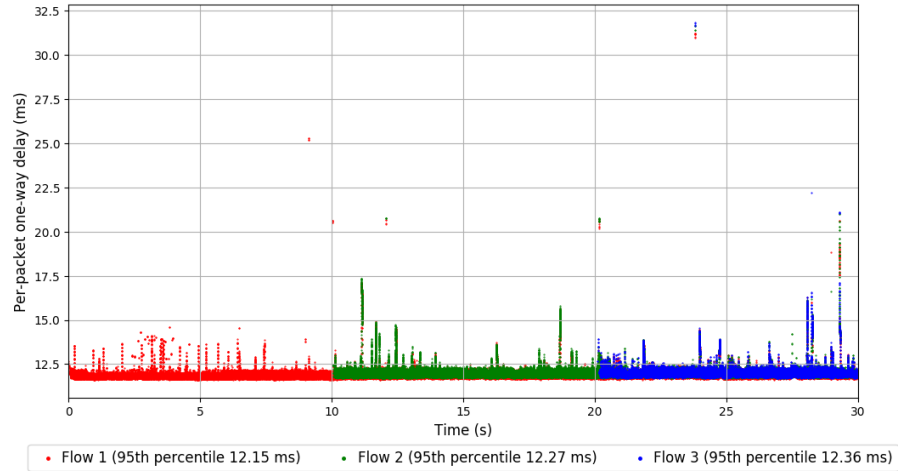
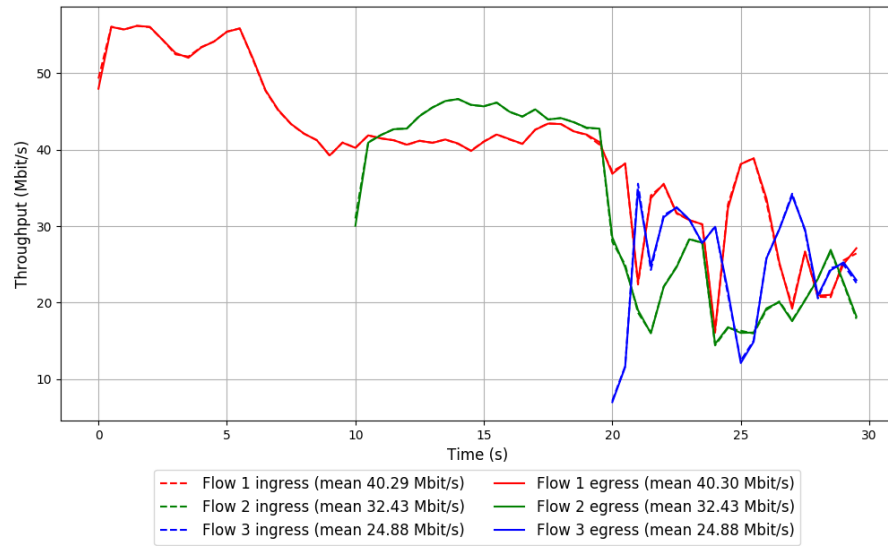
-- Flow 3:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 12.359 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:37:17 +0000

End at: Sun, 09 Jul 2017 21:37:47 +0000

Local clock offset: -0.052 ms

Remote clock offset: -19.321 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:30:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.64 Mbit/s

95th percentile per-packet one-way delay: 12.560 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 12.526 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.51 Mbit/s

95th percentile per-packet one-way delay: 12.536 ms

Loss rate: 0.00%

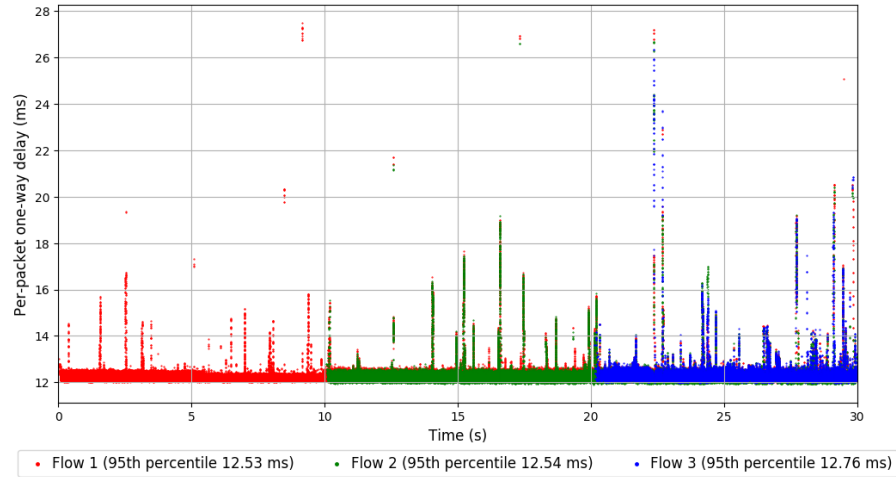
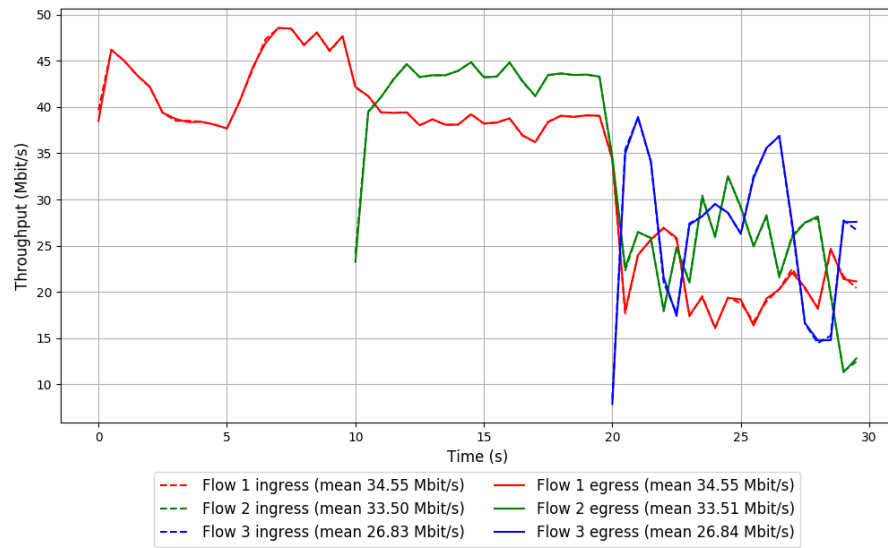
-- Flow 3:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 12.762 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:55:11 +0000

End at: Sun, 09 Jul 2017 21:55:41 +0000

Local clock offset: 0.13 ms

Remote clock offset: -19.264 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:30:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.06 Mbit/s

95th percentile per-packet one-way delay: 11.702 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.64 Mbit/s

95th percentile per-packet one-way delay: 11.627 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 11.747 ms

Loss rate: 0.00%

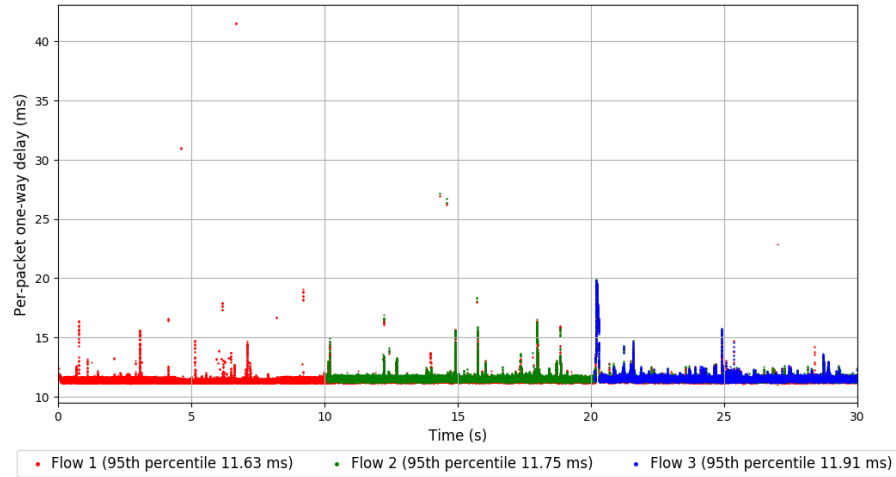
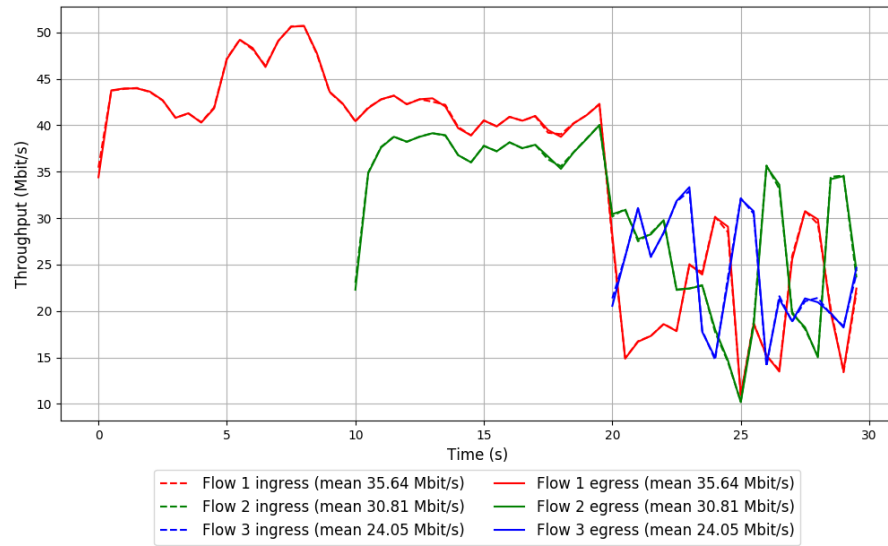
-- Flow 3:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 11.907 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:13:04 +0000

End at: Sun, 09 Jul 2017 22:13:34 +0000

Local clock offset: -1.57 ms

Remote clock offset: -17.004 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:30:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 11.459 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.34 Mbit/s

95th percentile per-packet one-way delay: 11.424 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 11.406 ms

Loss rate: 0.00%

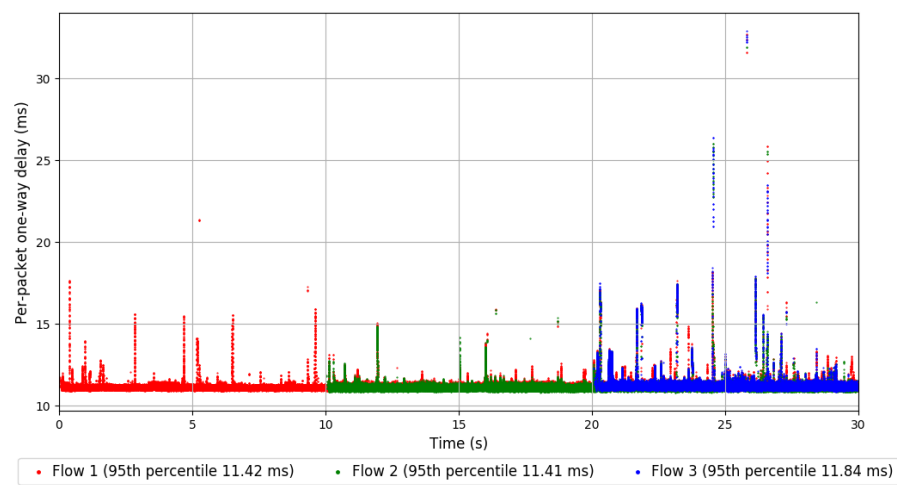
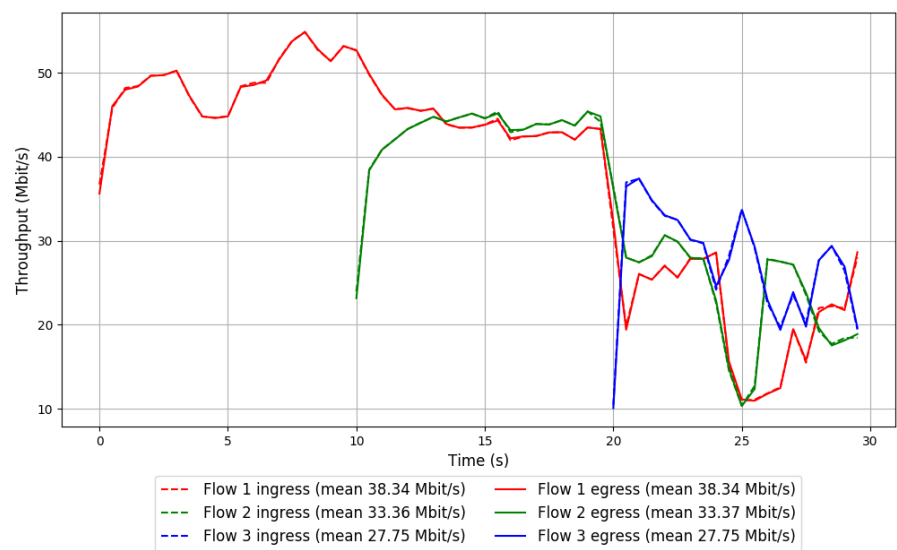
-- Flow 3:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 11.836 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:30:58 +0000

End at: Sun, 09 Jul 2017 22:31:28 +0000

Local clock offset: 0.531 ms

Remote clock offset: -17.669 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:30:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.43 Mbit/s

95th percentile per-packet one-way delay: 10.441 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.72 Mbit/s

95th percentile per-packet one-way delay: 10.395 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.75 Mbit/s

95th percentile per-packet one-way delay: 10.465 ms

Loss rate: 0.00%

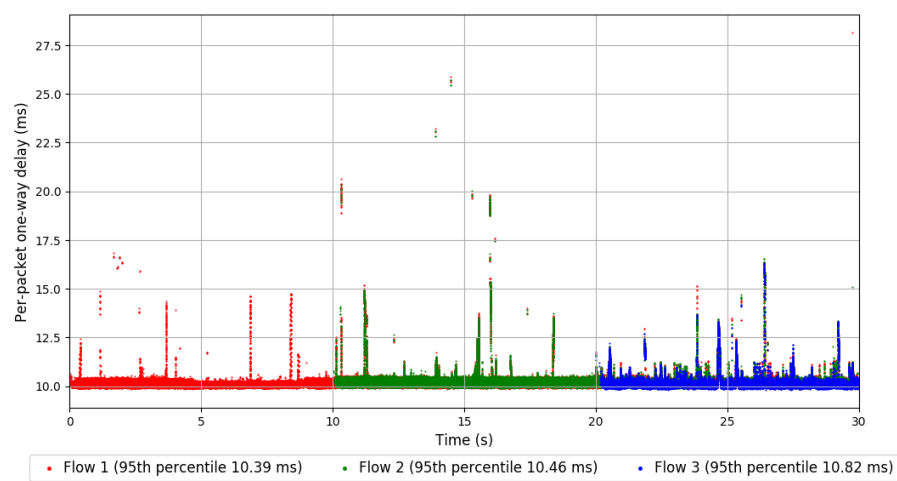
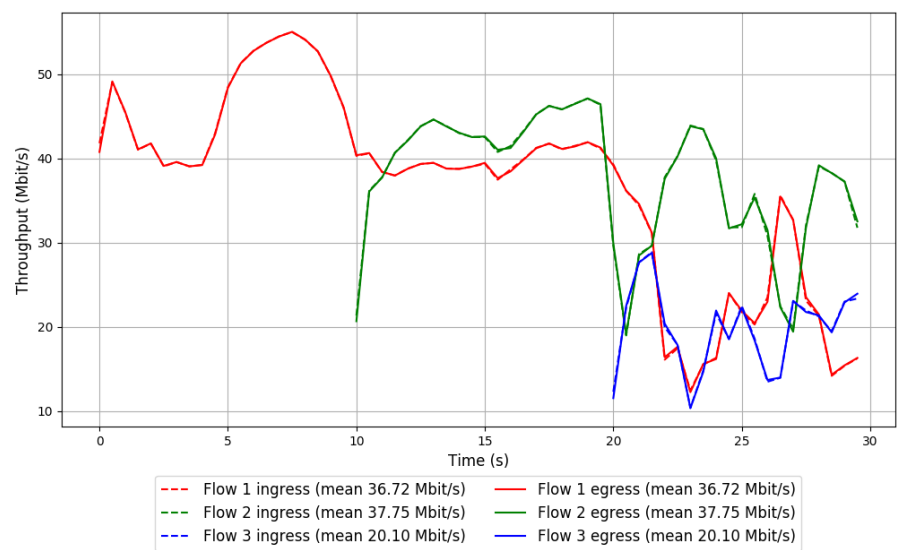
-- Flow 3:

Average throughput: 20.10 Mbit/s

95th percentile per-packet one-way delay: 10.824 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:48:47 +0000

End at: Sun, 09 Jul 2017 22:49:17 +0000

Local clock offset: 2.069 ms

Remote clock offset: -16.047 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:30:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.94 Mbit/s

95th percentile per-packet one-way delay: 11.182 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.73 Mbit/s

95th percentile per-packet one-way delay: 11.097 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.31 Mbit/s

95th percentile per-packet one-way delay: 11.290 ms

Loss rate: 0.00%

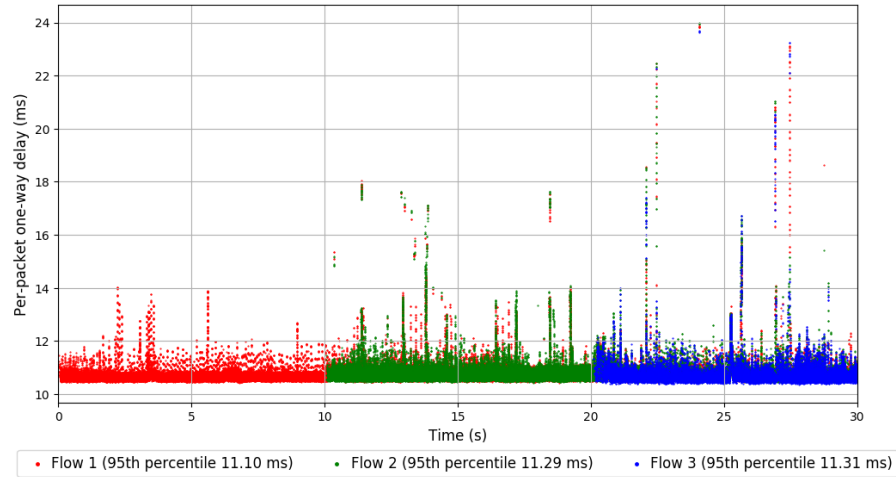
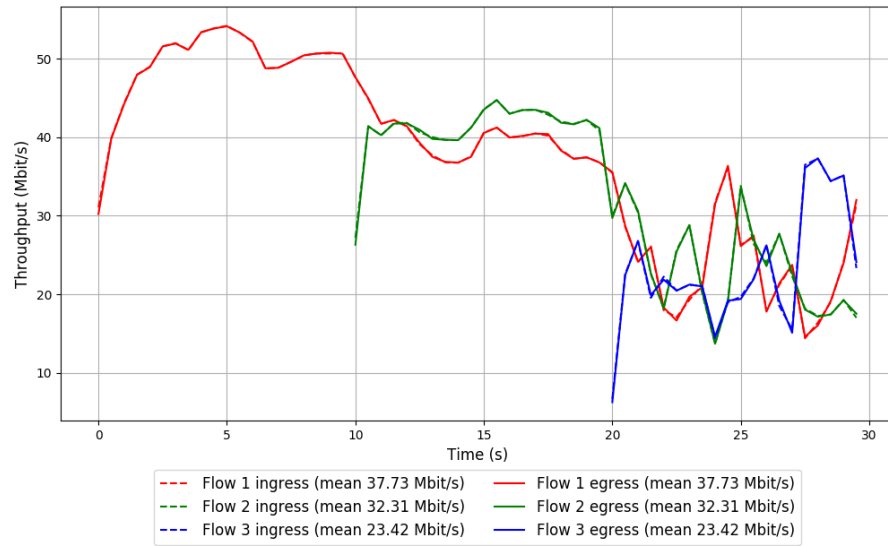
-- Flow 3:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 11.313 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:10:04 +0000

End at: Sun, 09 Jul 2017 20:10:34 +0000

Local clock offset: -1.243 ms

Remote clock offset: -17.575 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 47.790 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 65.43 Mbit/s

95th percentile per-packet one-way delay: 47.569 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 47.825 ms

Loss rate: 0.64%

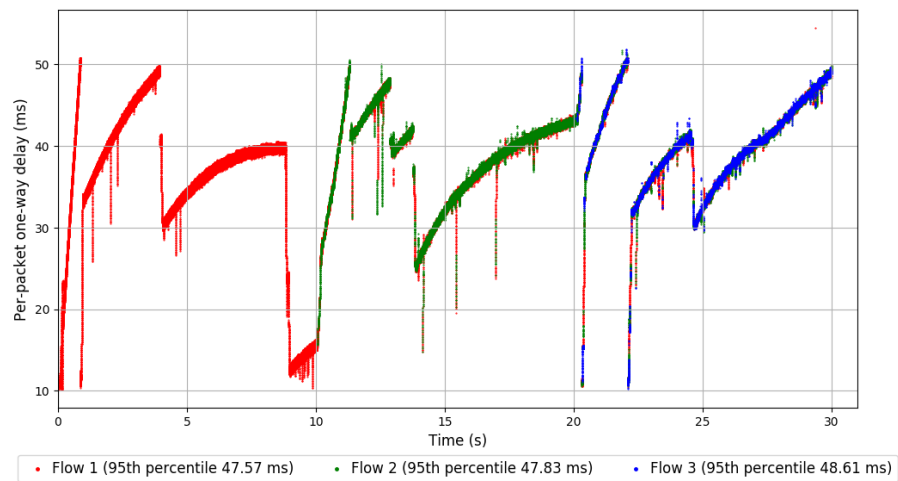
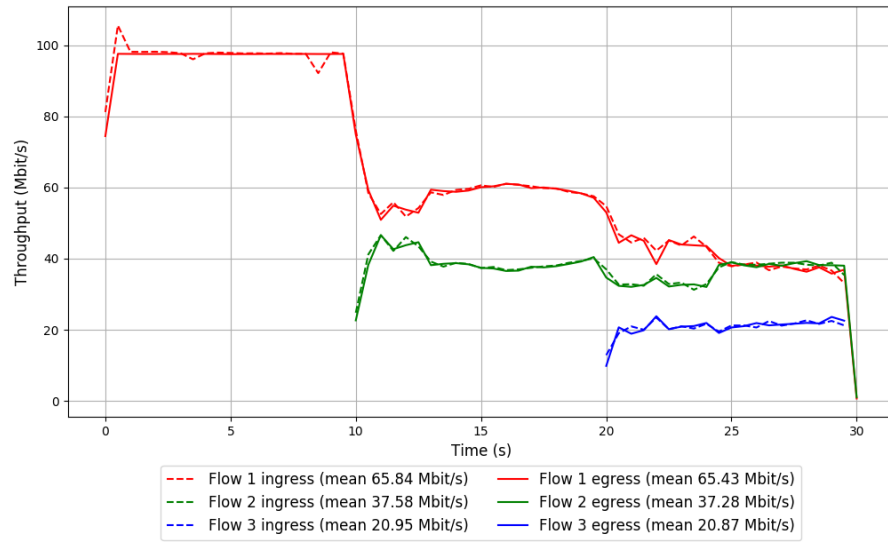
-- Flow 3:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 48.610 ms

Loss rate: 0.34%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:27:50 +0000

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

Local clock offset: -0.84 ms

Remote clock offset: -17.257 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 48.784 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 69.85 Mbit/s

95th percentile per-packet one-way delay: 48.822 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 26.03 Mbit/s

95th percentile per-packet one-way delay: 49.045 ms

Loss rate: 1.04%

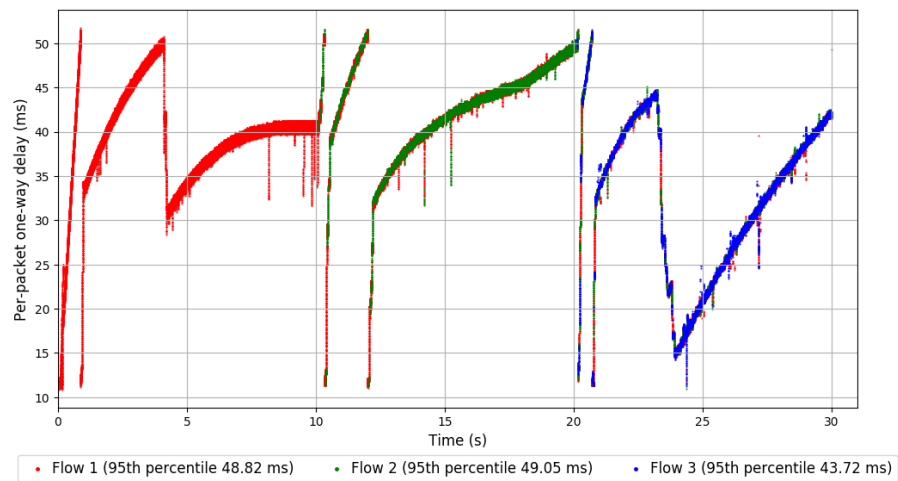
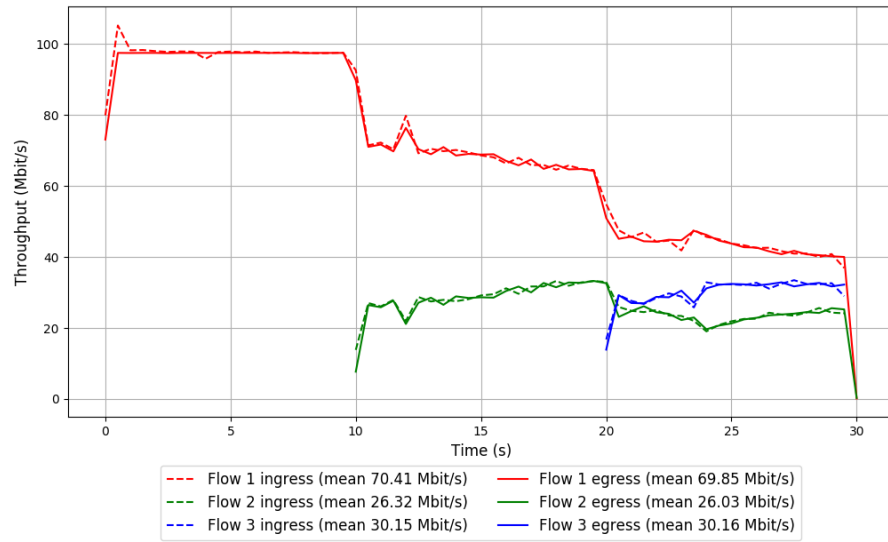
-- Flow 3:

Average throughput: 30.16 Mbit/s

95th percentile per-packet one-way delay: 43.718 ms

Loss rate: 0.14%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:45:47 +0000

End at: Sun, 09 Jul 2017 20:46:17 +0000

Local clock offset: -0.426 ms

Remote clock offset: -19.621 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 49.952 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 49.965 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 26.24 Mbit/s

95th percentile per-packet one-way delay: 49.933 ms

Loss rate: 1.19%

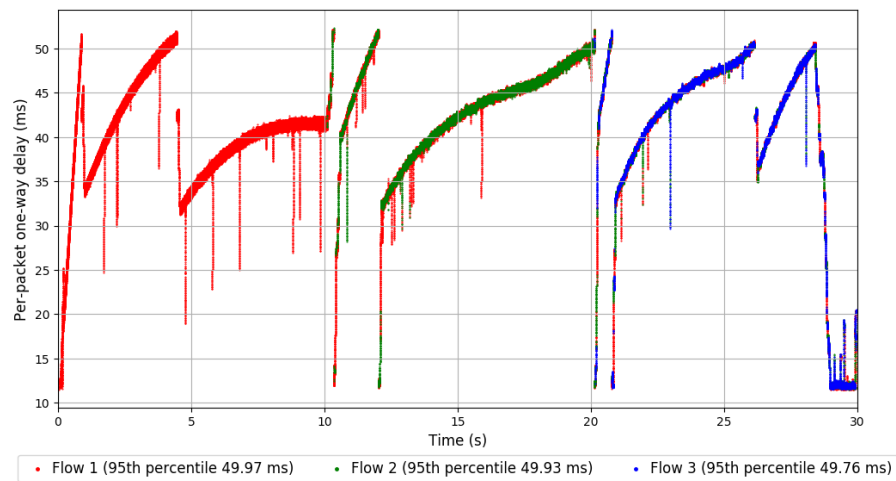
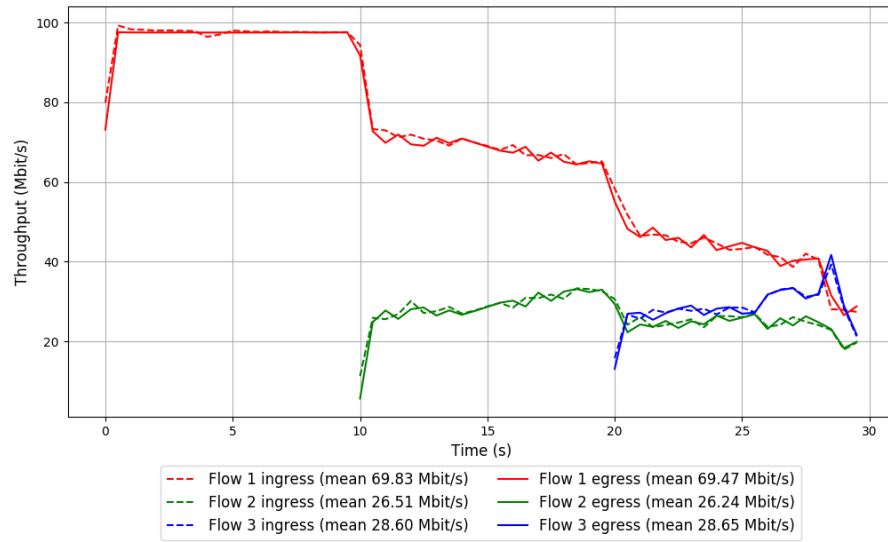
-- Flow 3:

Average throughput: 28.65 Mbit/s

95th percentile per-packet one-way delay: 49.755 ms

Loss rate: 0.12%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:03:45 +0000

End at: Sun, 09 Jul 2017 21:04:15 +0000

Local clock offset: 0.472 ms

Remote clock offset: -19.715 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 49.863 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 66.90 Mbit/s

95th percentile per-packet one-way delay: 49.825 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 29.81 Mbit/s

95th percentile per-packet one-way delay: 50.054 ms

Loss rate: 0.71%

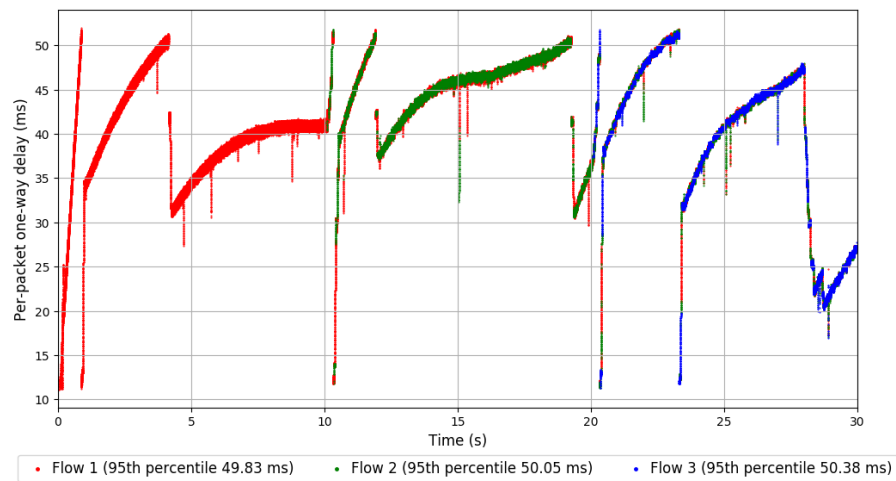
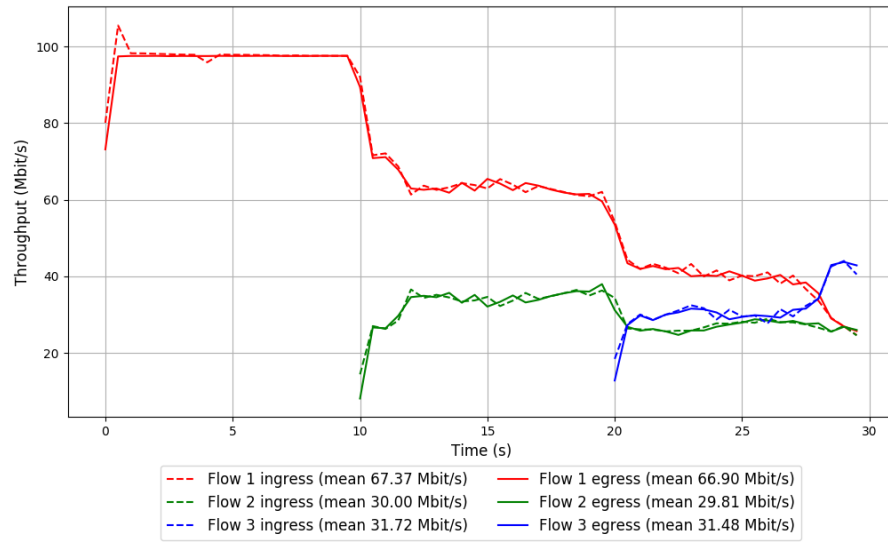
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 50.385 ms

Loss rate: 0.84%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:21:41 +0000

End at: Sun, 09 Jul 2017 21:22:11 +0000

Local clock offset: -0.595 ms

Remote clock offset: -19.583 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 50.510 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 50.520 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 50.311 ms

Loss rate: 0.57%

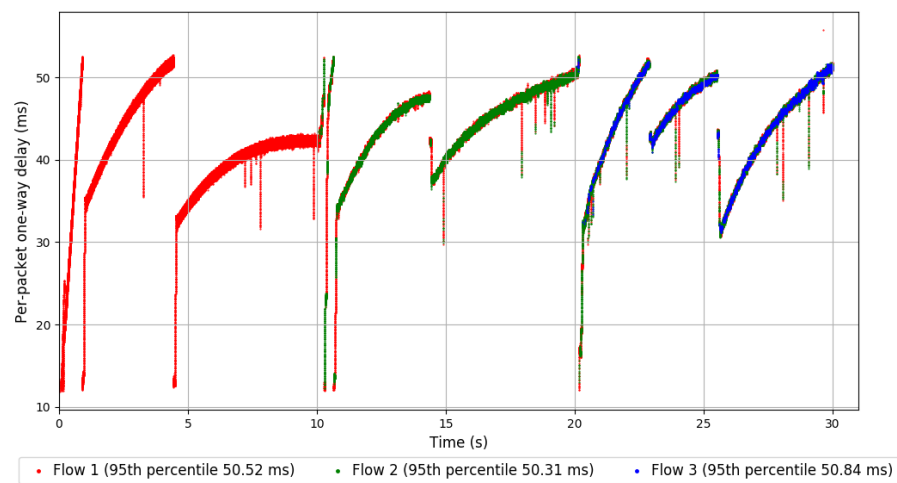
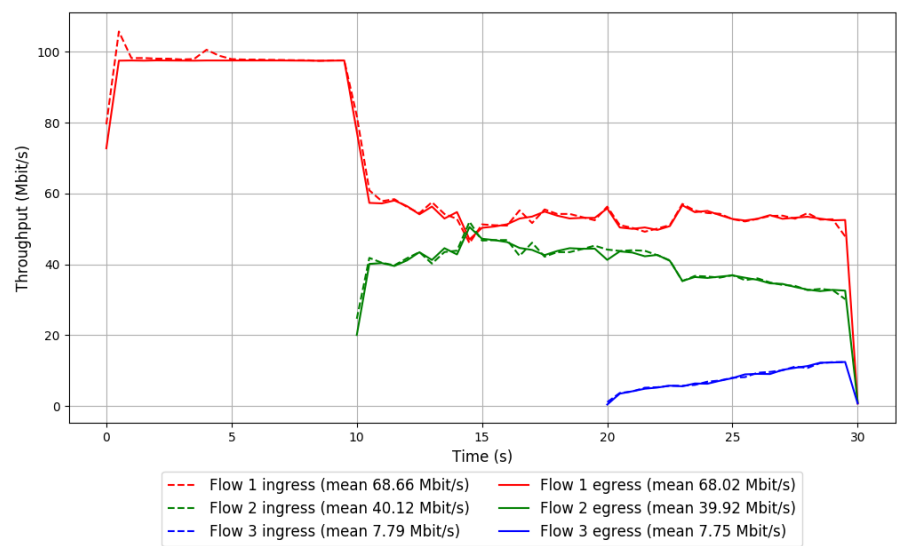
-- Flow 3:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 50.840 ms

Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:39:46 +0000

End at: Sun, 09 Jul 2017 21:40:16 +0000

Local clock offset: -2.38 ms

Remote clock offset: -19.11 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 48.331 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 67.56 Mbit/s

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

Loss rate: 0.49%

-- Flow 2:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 49.041 ms

Loss rate: 0.45%

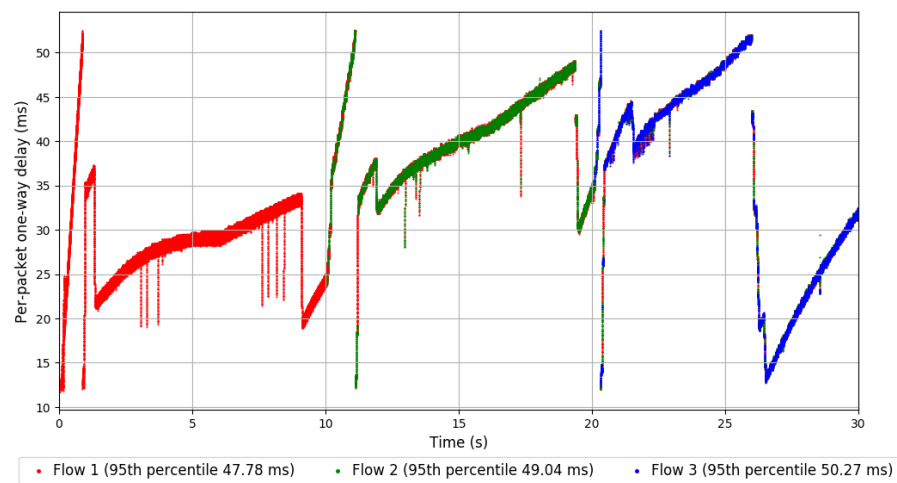
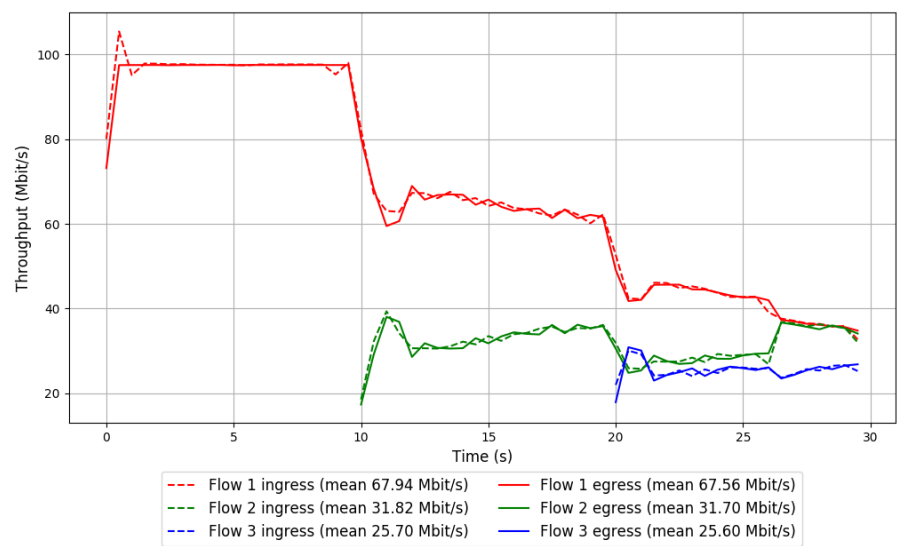
-- Flow 3:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 50.269 ms

Loss rate: 0.42%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:57:38 +0000

End at: Sun, 09 Jul 2017 21:58:08 +0000

Local clock offset: -0.067 ms

Remote clock offset: -18.317 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 49.158 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 65.23 Mbit/s

95th percentile per-packet one-way delay: 48.638 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 38.21 Mbit/s

95th percentile per-packet one-way delay: 49.631 ms

Loss rate: 0.48%

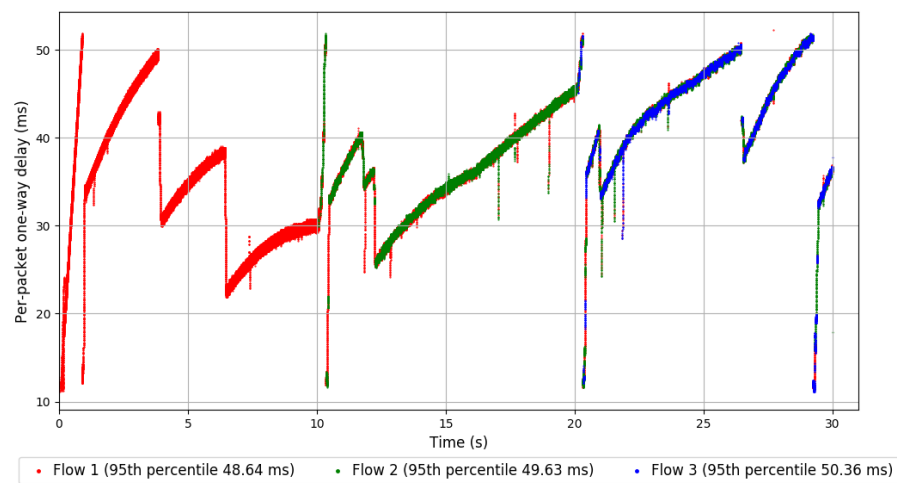
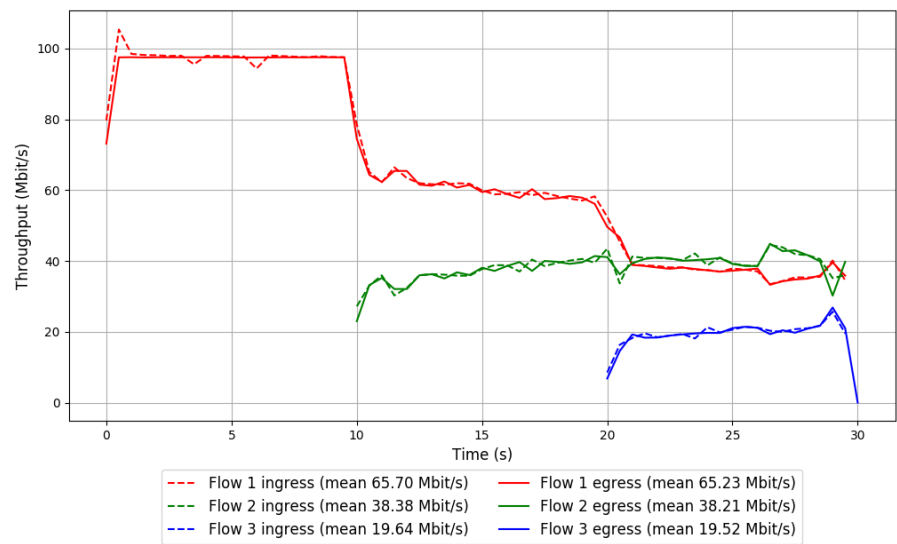
-- Flow 3:

Average throughput: 19.52 Mbit/s

95th percentile per-packet one-way delay: 50.363 ms

Loss rate: 0.72%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:15:33 +0000

End at: Sun, 09 Jul 2017 22:16:03 +0000

Local clock offset: 0.596 ms

Remote clock offset: -17.997 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 49.763 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 49.632 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 49.838 ms

Loss rate: 0.50%

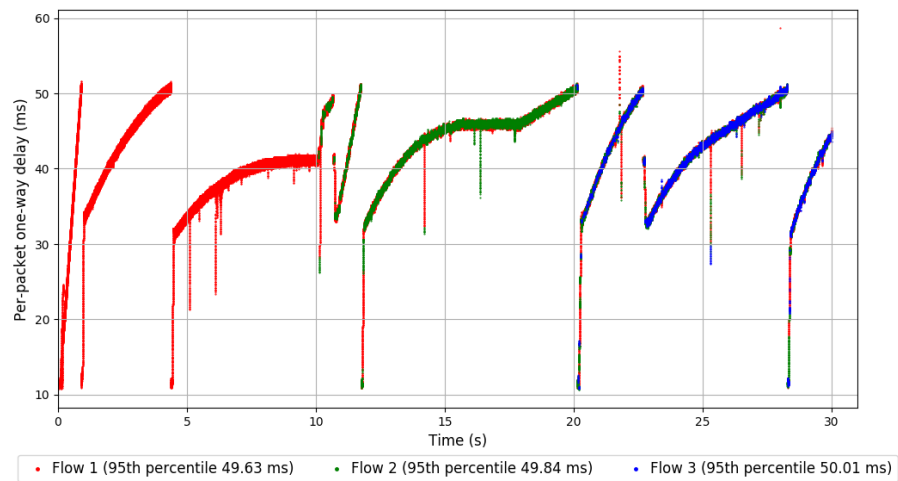
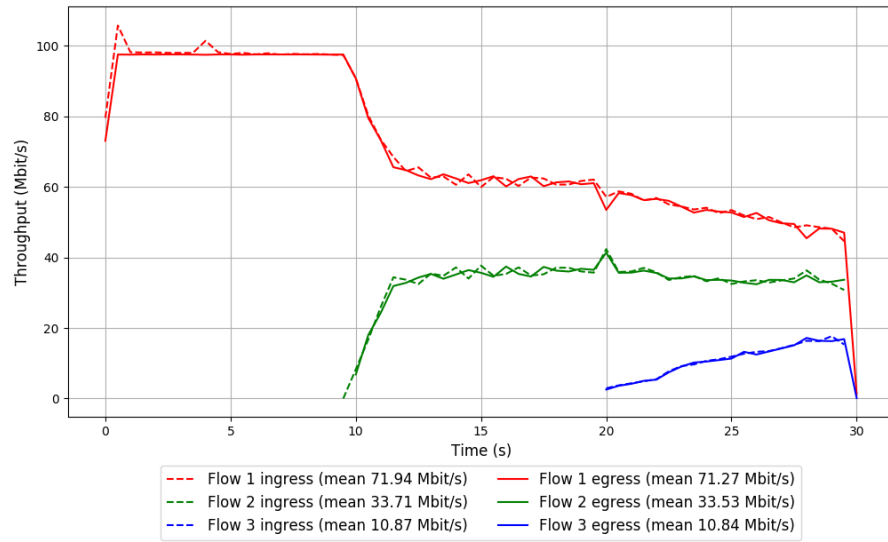
-- Flow 3:

Average throughput: 10.84 Mbit/s

95th percentile per-packet one-way delay: 50.014 ms

Loss rate: 0.37%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:33:26 +0000

End at: Sun, 09 Jul 2017 22:33:56 +0000

Local clock offset: -1.402 ms

Remote clock offset: -17.933 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 48.139 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 74.10 Mbit/s

95th percentile per-packet one-way delay: 48.124 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 29.89 Mbit/s

95th percentile per-packet one-way delay: 48.131 ms

Loss rate: 0.87%

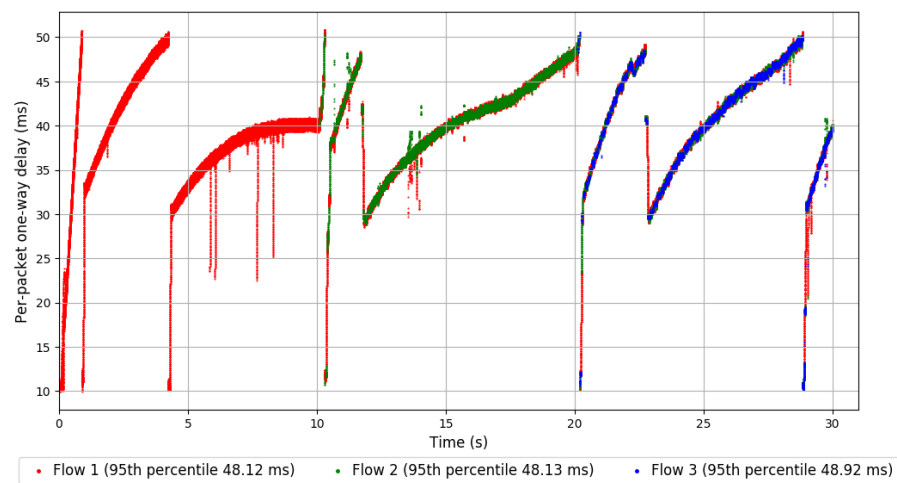
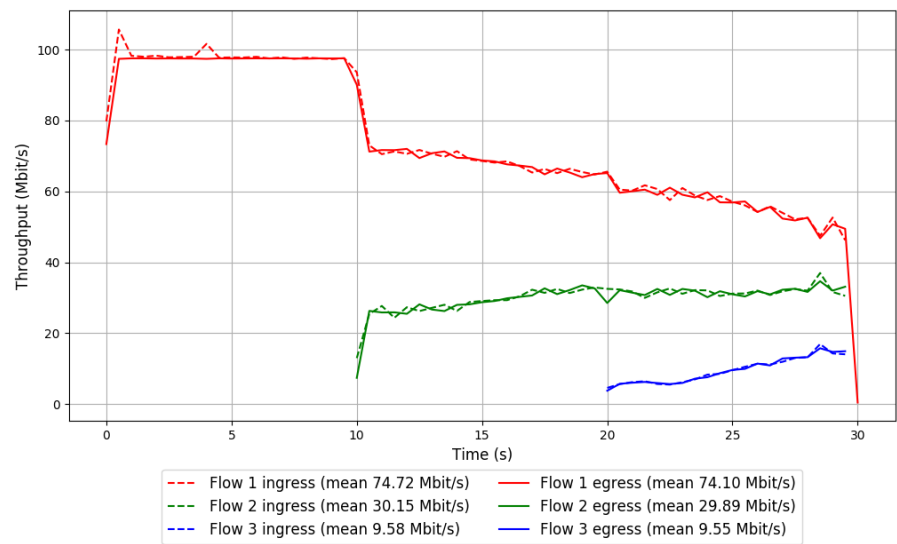
-- Flow 3:

Average throughput: 9.55 Mbit/s

95th percentile per-packet one-way delay: 48.920 ms

Loss rate: 0.40%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:51:16 +0000

End at: Sun, 09 Jul 2017 22:51:46 +0000

Local clock offset: -1.522 ms

Remote clock offset: -17.017 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:31:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 49.907 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 65.36 Mbit/s

95th percentile per-packet one-way delay: 49.710 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 50.065 ms

Loss rate: 0.79%

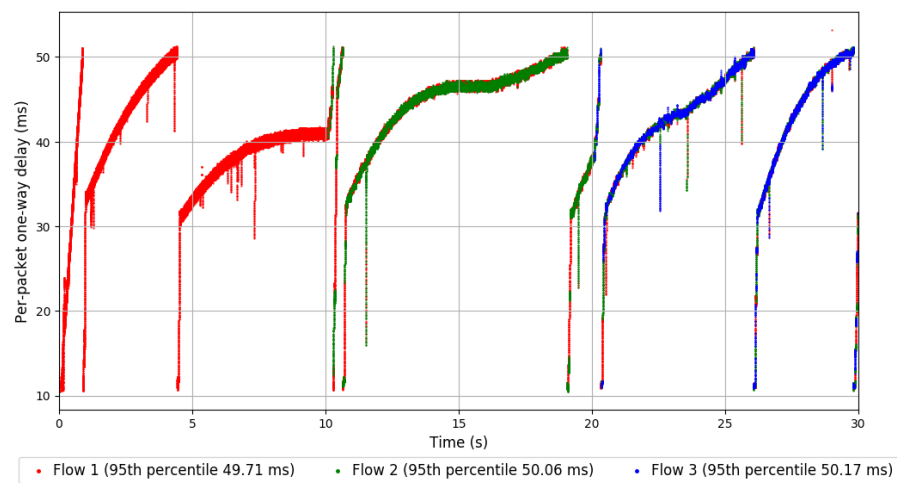
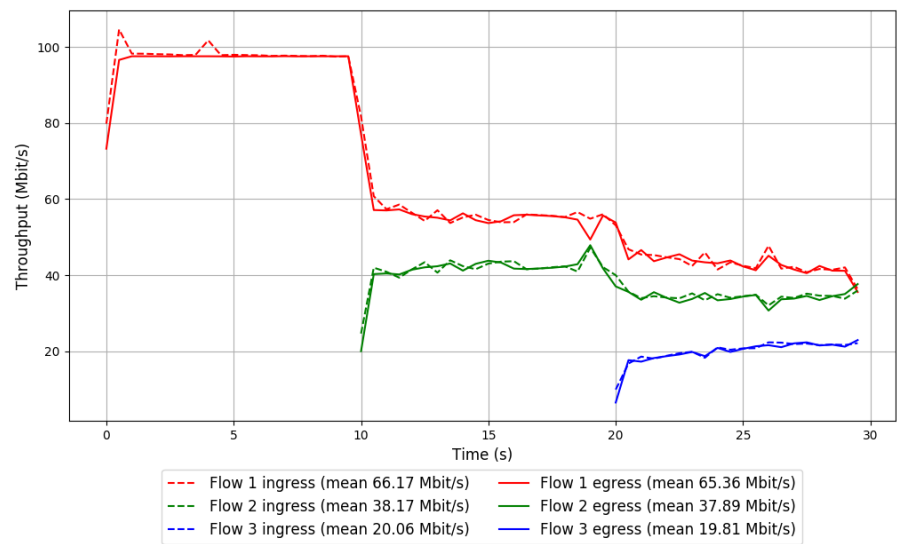
-- Flow 3:

Average throughput: 19.81 Mbit/s

95th percentile per-packet one-way delay: 50.172 ms

Loss rate: 1.31%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:00:33 +0000

End at: Sun, 09 Jul 2017 20:01:03 +0000

Local clock offset: 0.683 ms

Remote clock offset: -17.103 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.79 Mbit/s

95th percentile per-packet one-way delay: 19.388 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.49 Mbit/s

95th percentile per-packet one-way delay: 18.609 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 19.399 ms

Loss rate: 0.00%

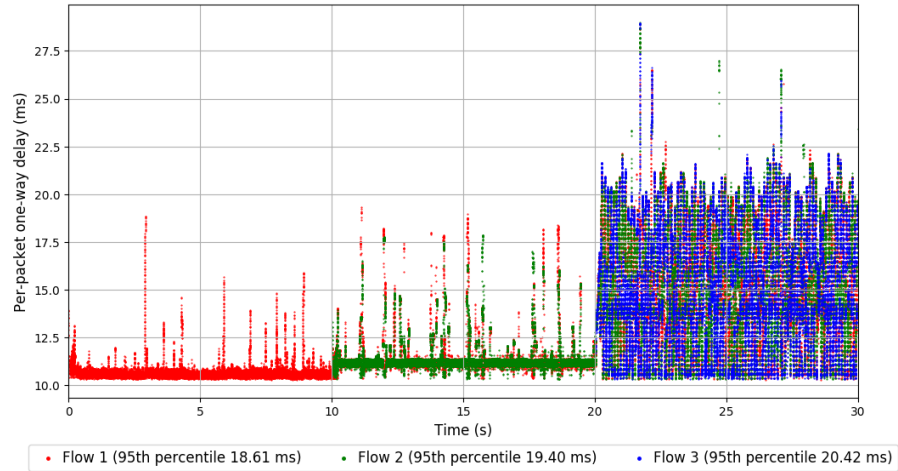
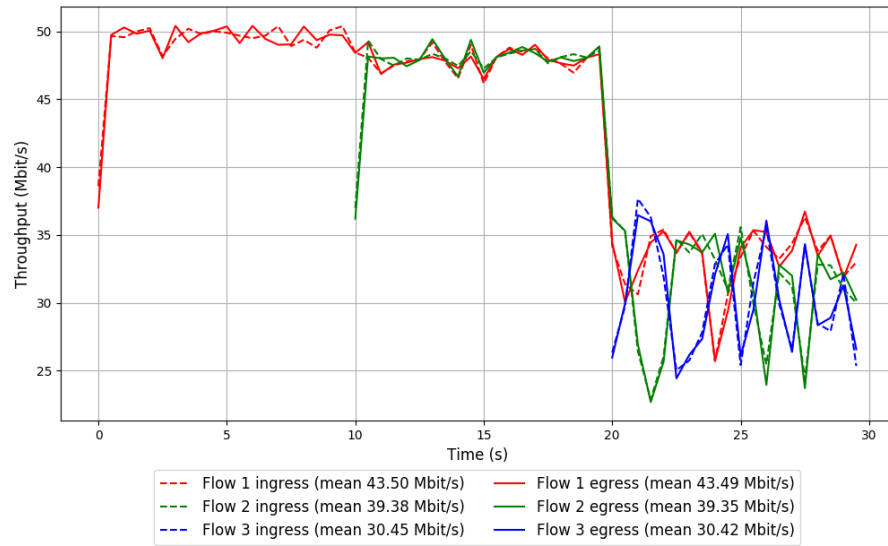
-- Flow 3:

Average throughput: 30.42 Mbit/s

95th percentile per-packet one-way delay: 20.417 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:18:27 +0000

End at: Sun, 09 Jul 2017 20:18:57 +0000

Local clock offset: 0.313 ms

Remote clock offset: -16.811 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.43 Mbit/s

95th percentile per-packet one-way delay: 19.469 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 18.733 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.02 Mbit/s

95th percentile per-packet one-way delay: 19.478 ms

Loss rate: 0.00%

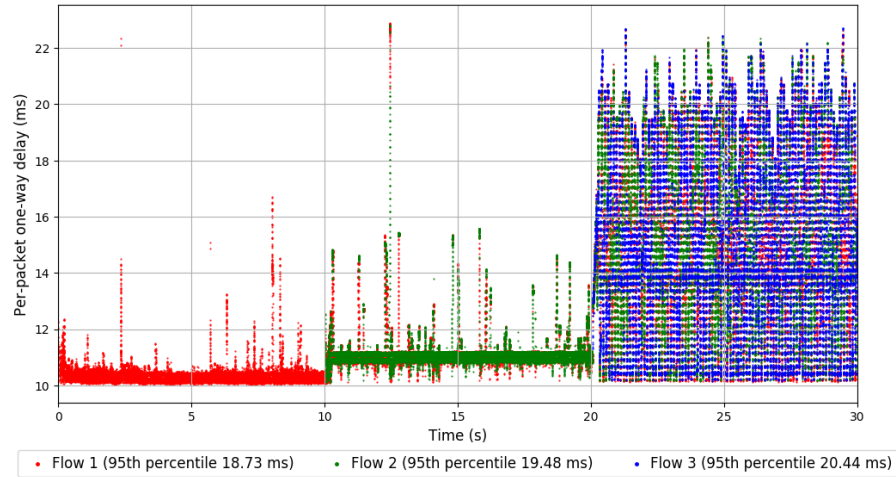
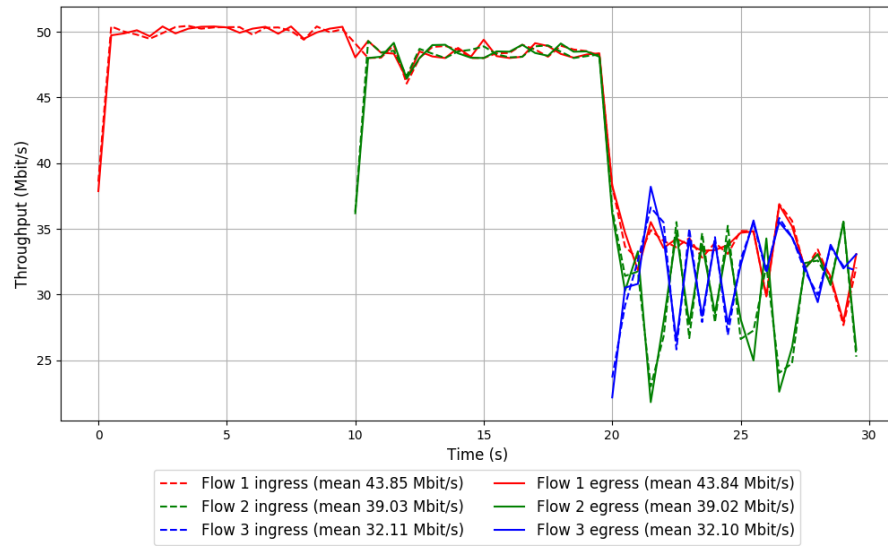
-- Flow 3:

Average throughput: 32.10 Mbit/s

95th percentile per-packet one-way delay: 20.442 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:36:19 +0000

End at: Sun, 09 Jul 2017 20:36:49 +0000

Local clock offset: -1.518 ms

Remote clock offset: -18.512 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 20.714 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 19.936 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 20.675 ms

Loss rate: 0.00%

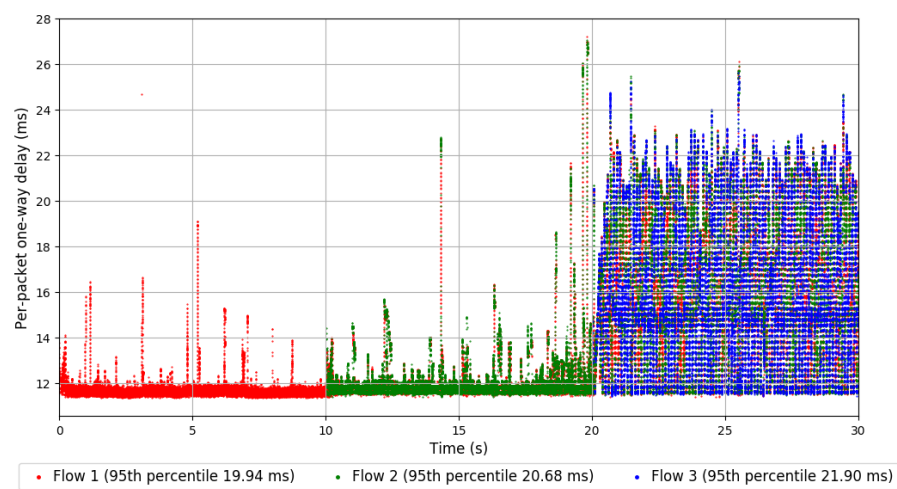
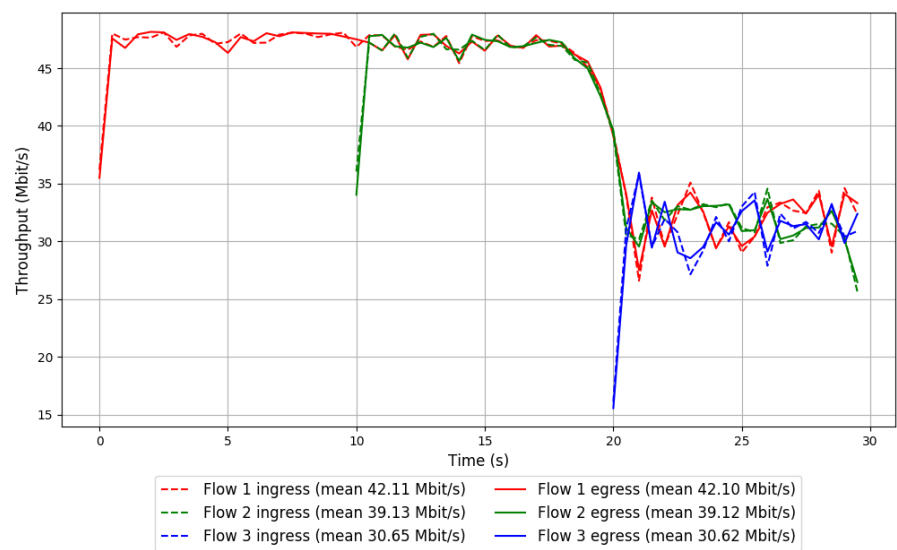
-- Flow 3:

Average throughput: 30.62 Mbit/s

95th percentile per-packet one-way delay: 21.898 ms

Loss rate: 0.04%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:54:18 +0000

End at: Sun, 09 Jul 2017 20:54:48 +0000

Local clock offset: -0.932 ms

Remote clock offset: -18.309 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.53 Mbit/s

95th percentile per-packet one-way delay: 16.280 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 15.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.67 Mbit/s

95th percentile per-packet one-way delay: 16.297 ms

Loss rate: 0.00%

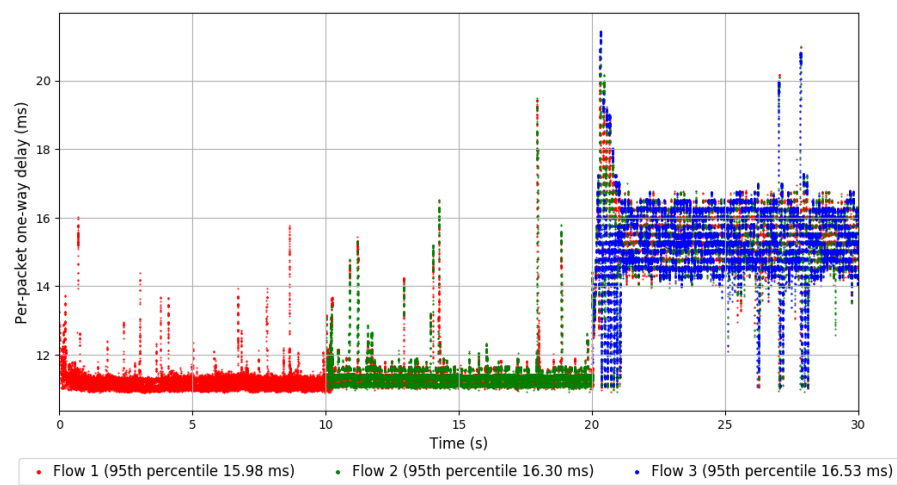
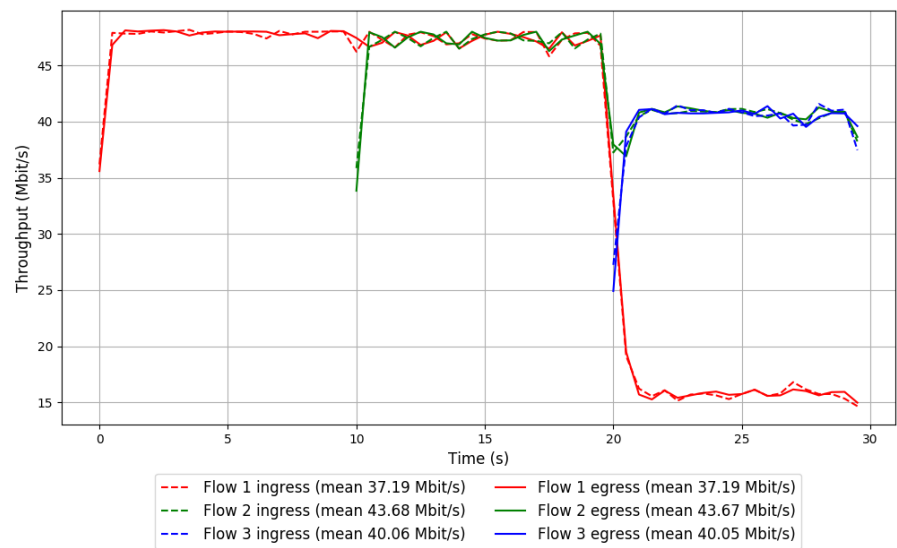
-- Flow 3:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 16.527 ms

Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:12:14 +0000

End at: Sun, 09 Jul 2017 21:12:44 +0000

Local clock offset: -0.586 ms

Remote clock offset: -18.954 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.64 Mbit/s

95th percentile per-packet one-way delay: 20.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.93 Mbit/s

95th percentile per-packet one-way delay: 19.535 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 20.427 ms

Loss rate: 0.00%

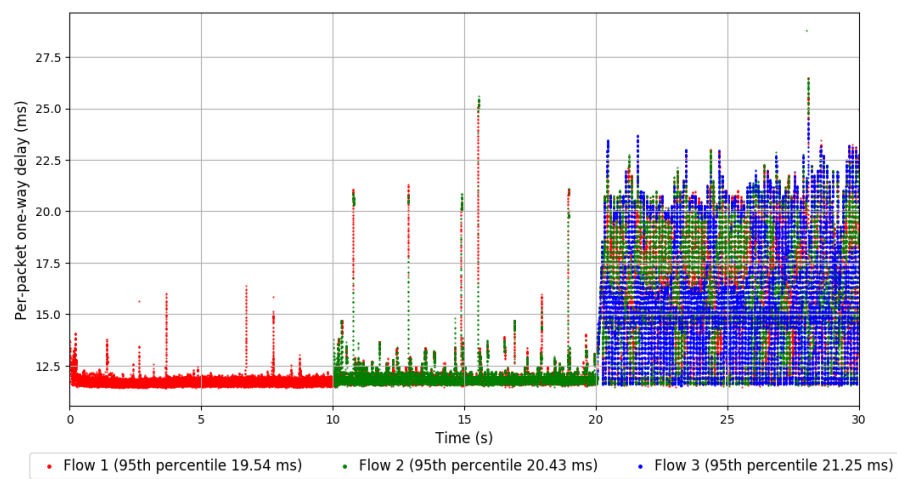
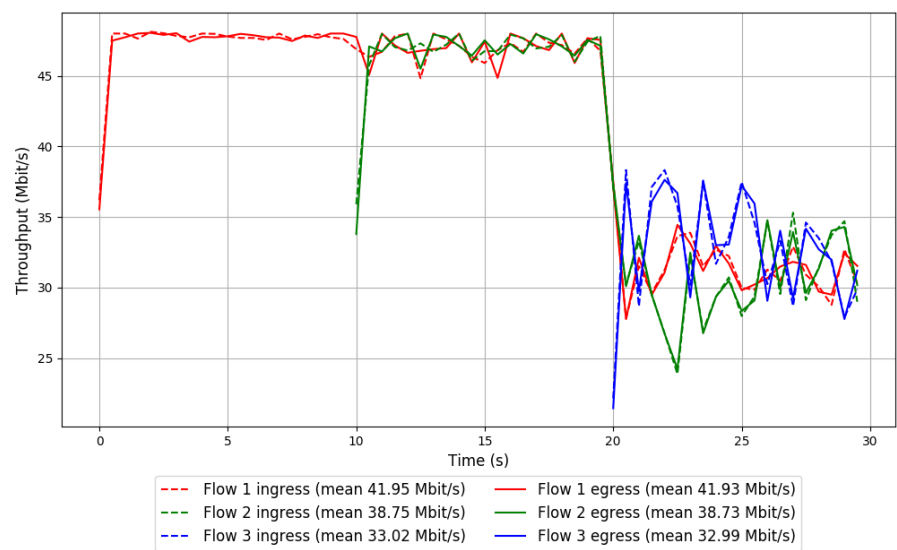
-- Flow 3:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 21.249 ms

Loss rate: 0.01%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:30:09 +0000

End at: Sun, 09 Jul 2017 21:30:39 +0000

Local clock offset: 0.049 ms

Remote clock offset: -19.397 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.39 Mbit/s

95th percentile per-packet one-way delay: 21.508 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.94 Mbit/s

95th percentile per-packet one-way delay: 20.766 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.89 Mbit/s

95th percentile per-packet one-way delay: 21.479 ms

Loss rate: 0.00%

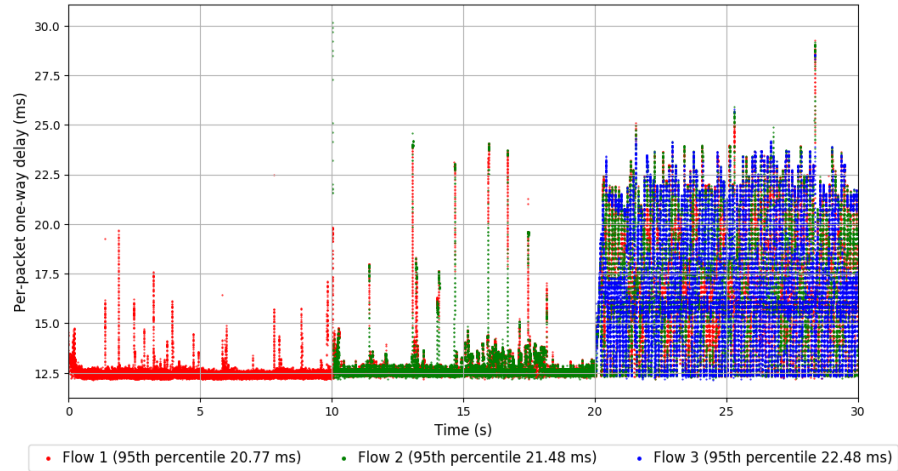
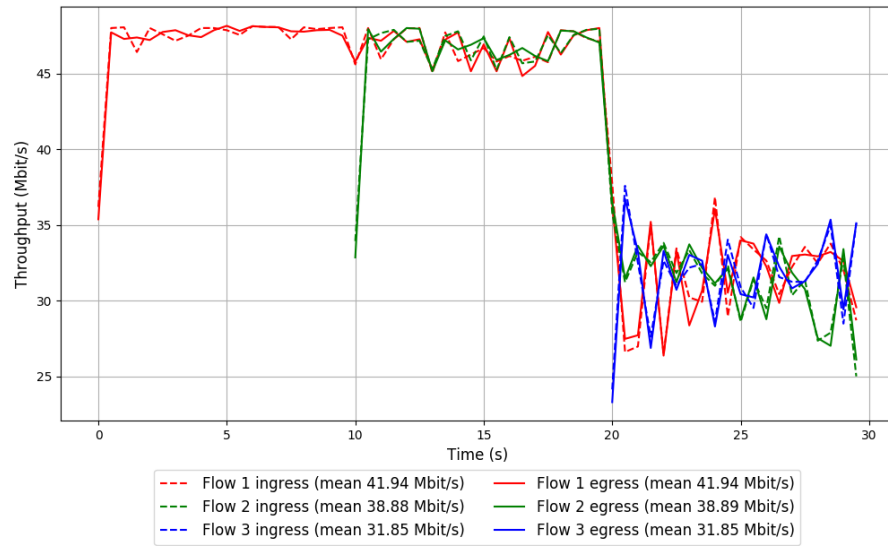
-- Flow 3:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 22.479 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:48:09 +0000

End at: Sun, 09 Jul 2017 21:48:39 +0000

Local clock offset: -2.28 ms

Remote clock offset: -17.783 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.61 Mbit/s

95th percentile per-packet one-way delay: 20.889 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 20.105 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 20.902 ms

Loss rate: 0.00%

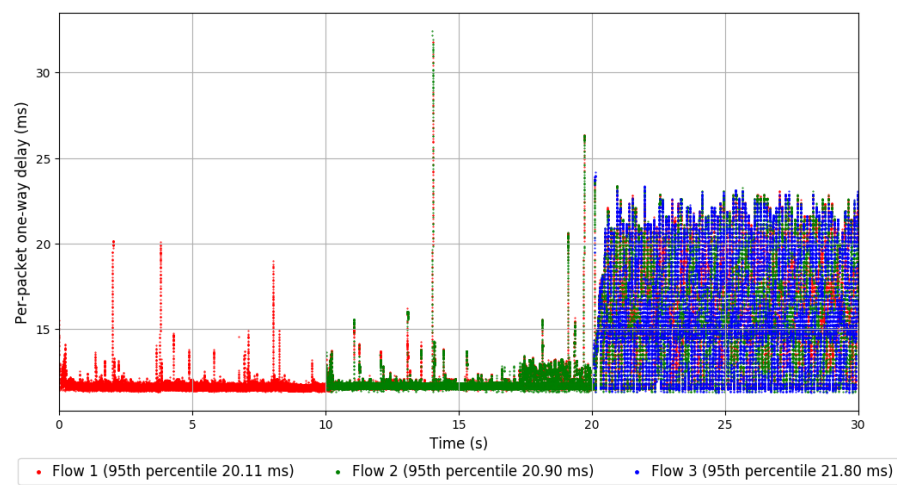
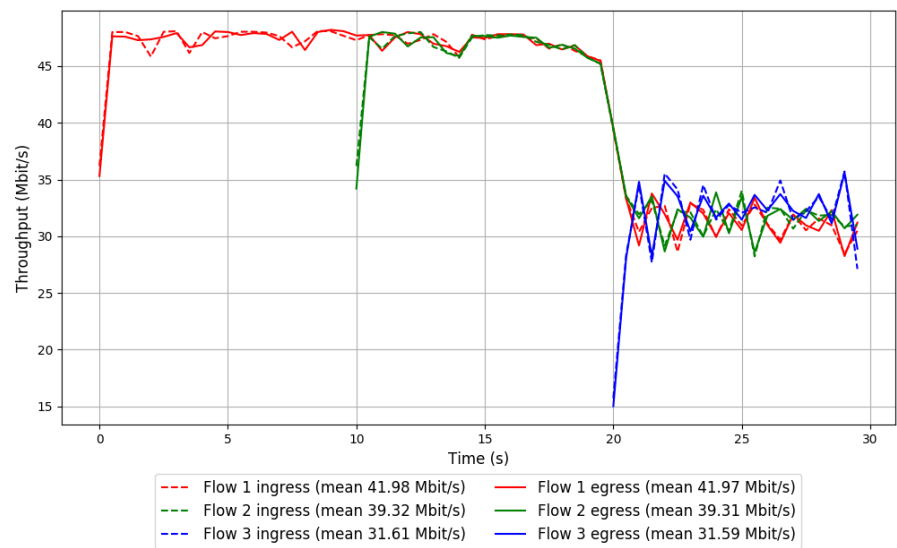
-- Flow 3:

Average throughput: 31.59 Mbit/s

95th percentile per-packet one-way delay: 21.795 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:06:06 +0000

End at: Sun, 09 Jul 2017 22:06:36 +0000

Local clock offset: -2.06 ms

Remote clock offset: -17.65 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 21.179 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 20.051 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 21.279 ms

Loss rate: 0.00%

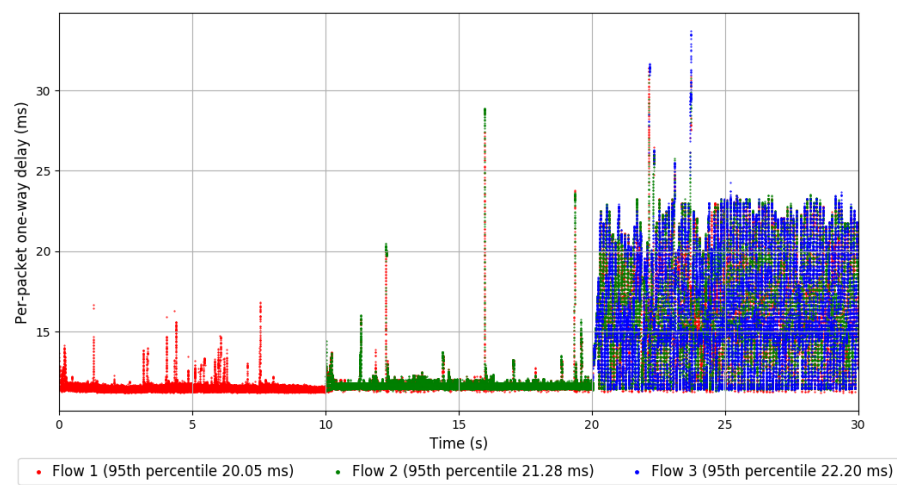
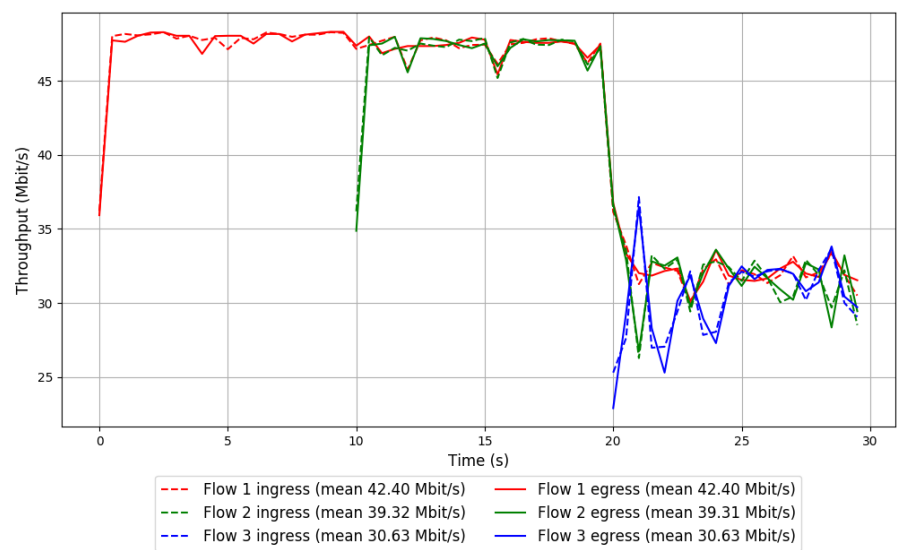
-- Flow 3:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 22.196 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:23:59 +0000

End at: Sun, 09 Jul 2017 22:24:29 +0000

Local clock offset: -0.831 ms

Remote clock offset: -17.09 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 19.134 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 18.777 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 19.000 ms

Loss rate: 0.01%

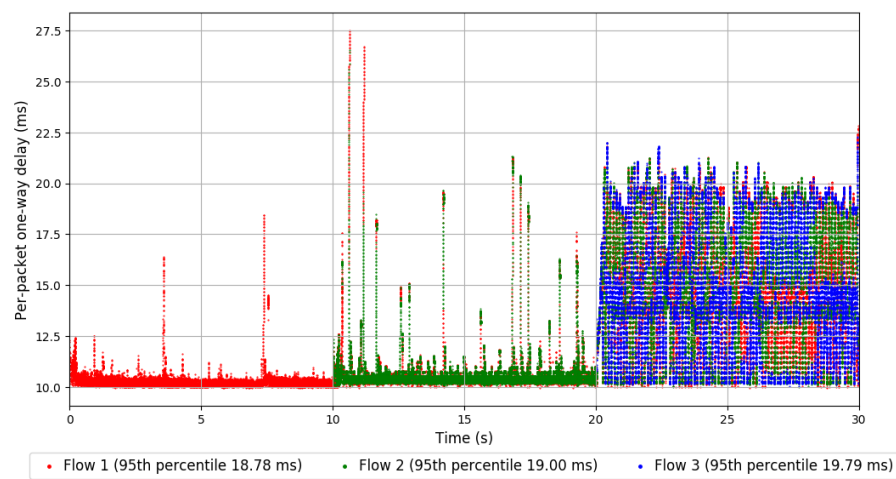
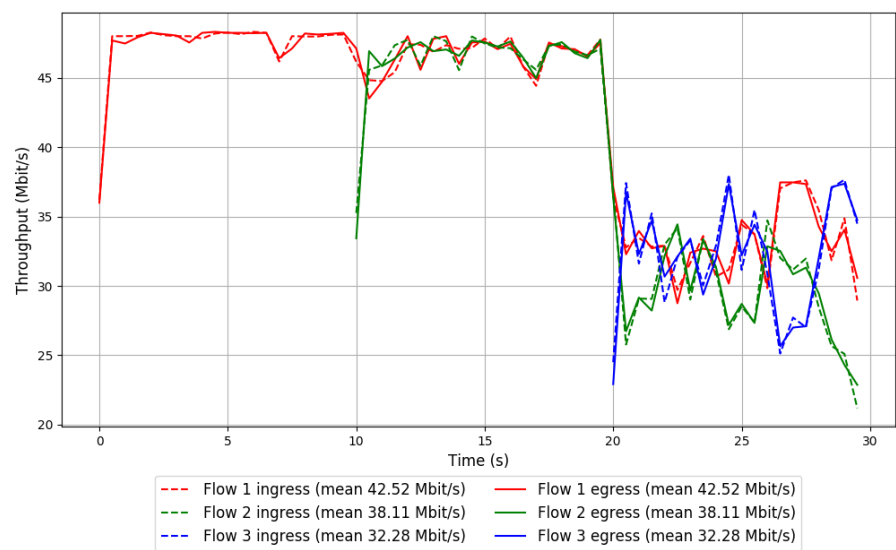
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 19.785 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:41:50 +0000

End at: Sun, 09 Jul 2017 22:42:20 +0000

Local clock offset: 0.08 ms

Remote clock offset: -16.946 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:32:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.70 Mbit/s

95th percentile per-packet one-way delay: 19.882 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.46 Mbit/s

95th percentile per-packet one-way delay: 19.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 19.877 ms

Loss rate: 0.00%

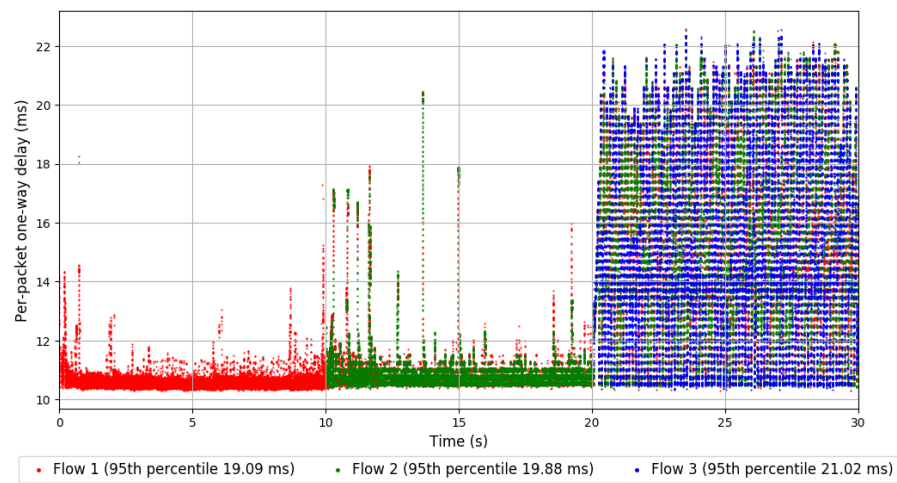
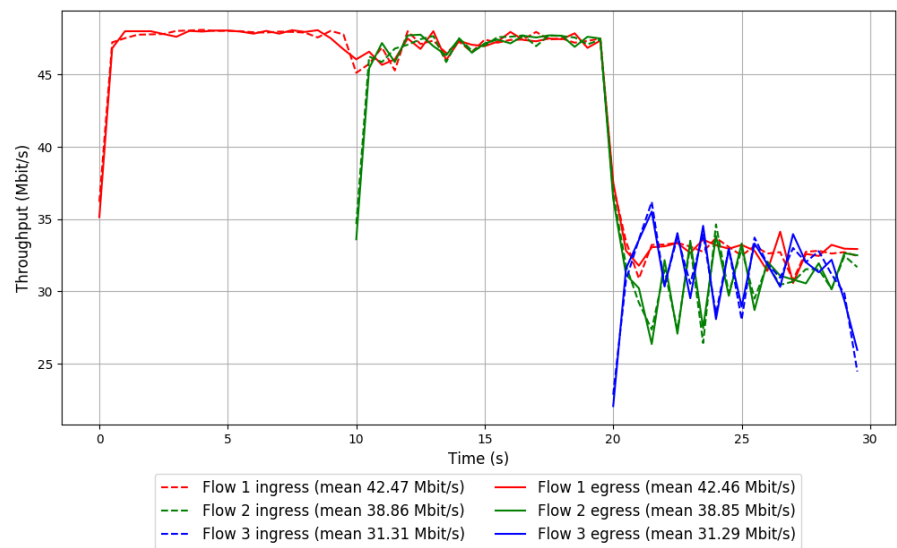
-- Flow 3:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 21.019 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:08:52 +0000

End at: Sun, 09 Jul 2017 20:09:22 +0000

Local clock offset: 0.075 ms

Remote clock offset: -18.34 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.93 Mbit/s

95th percentile per-packet one-way delay: 47.603 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 47.166 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 48.113 ms

Loss rate: 0.44%

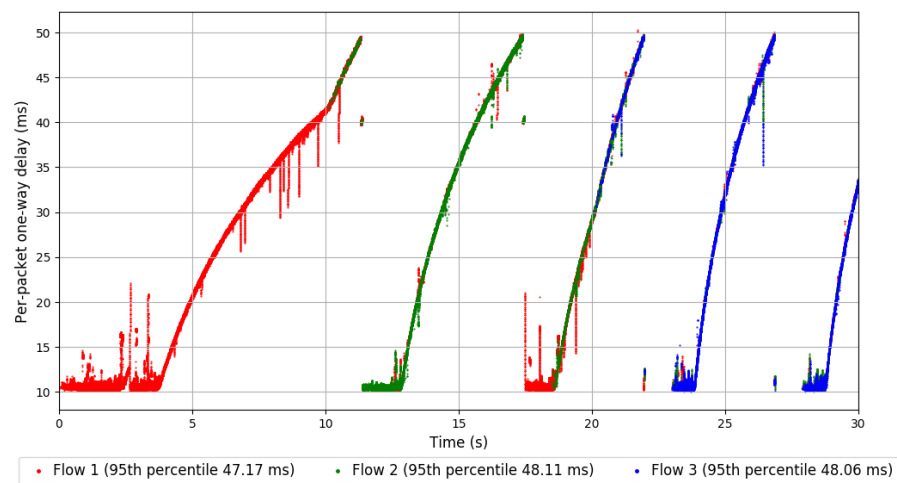
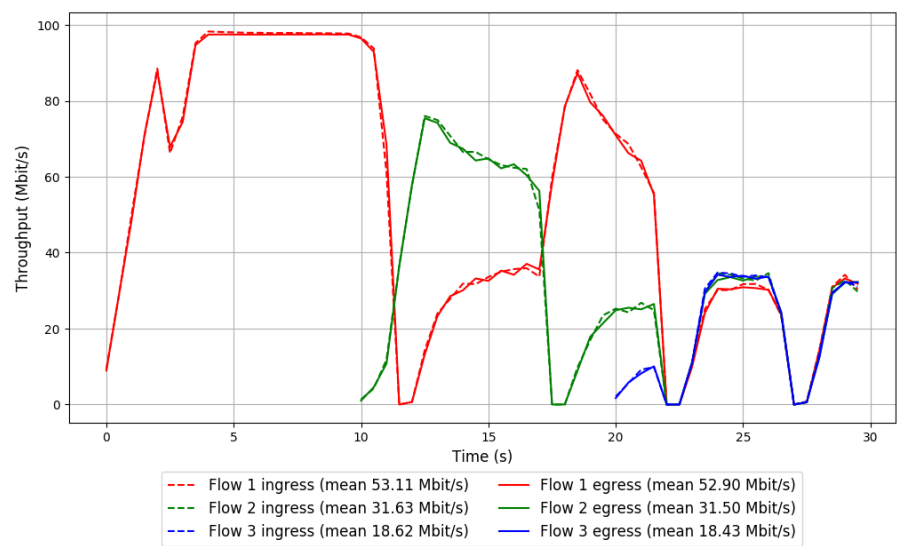
-- Flow 3:

Average throughput: 18.43 Mbit/s

95th percentile per-packet one-way delay: 48.057 ms

Loss rate: 1.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:26:37 +0000

End at: Sun, 09 Jul 2017 20:27:07 +0000

Local clock offset: 0.18 ms

Remote clock offset: -18.692 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 47.739 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 53.78 Mbit/s

95th percentile per-packet one-way delay: 47.525 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 46.085 ms

Loss rate: 0.44%

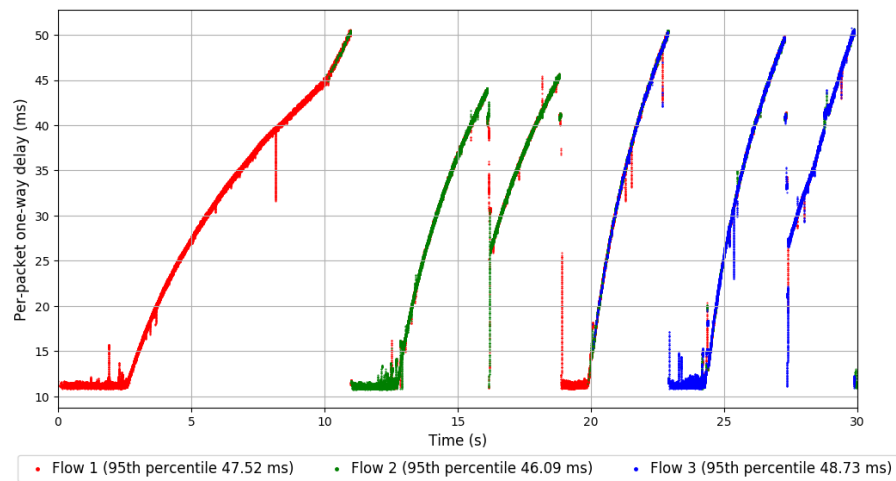
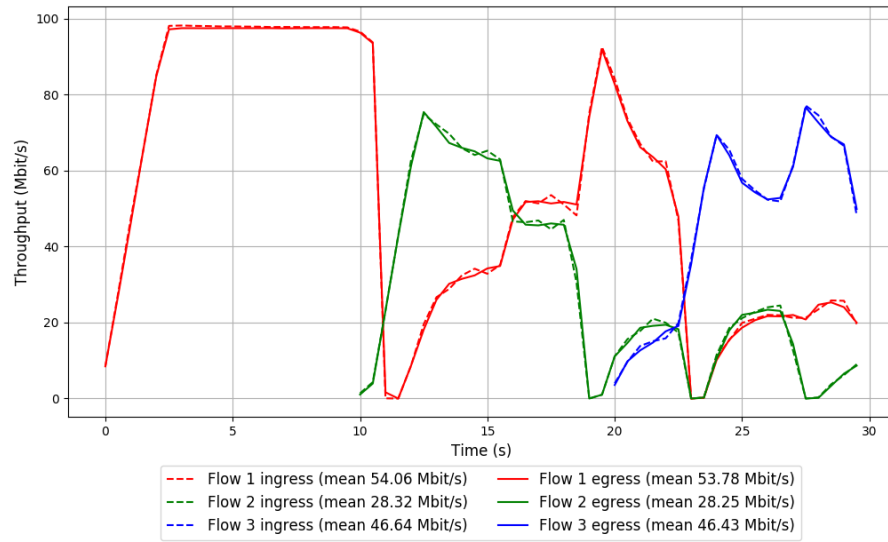
-- Flow 3:

Average throughput: 46.43 Mbit/s

95th percentile per-packet one-way delay: 48.729 ms

Loss rate: 0.51%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:44:36 +0000

End at: Sun, 09 Jul 2017 20:45:06 +0000

Local clock offset: -0.688 ms

Remote clock offset: -19.483 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 49.165 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 48.853 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 45.87 Mbit/s

95th percentile per-packet one-way delay: 49.263 ms

Loss rate: 0.43%

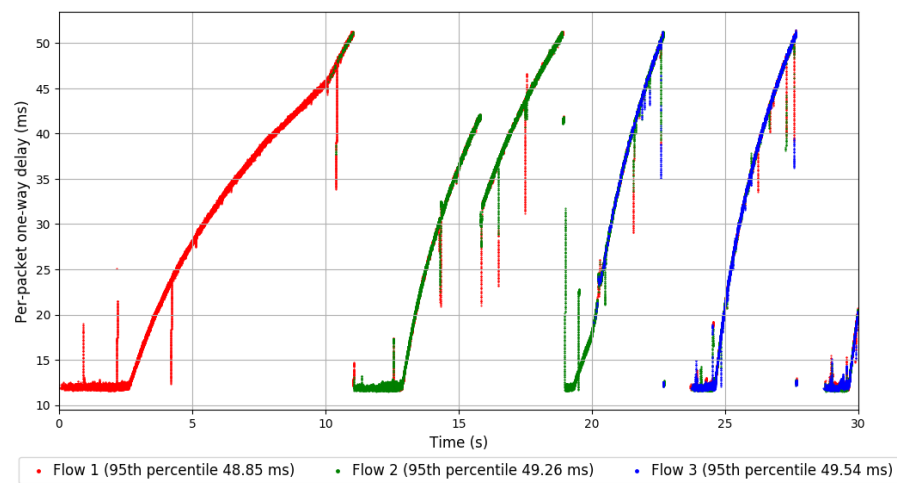
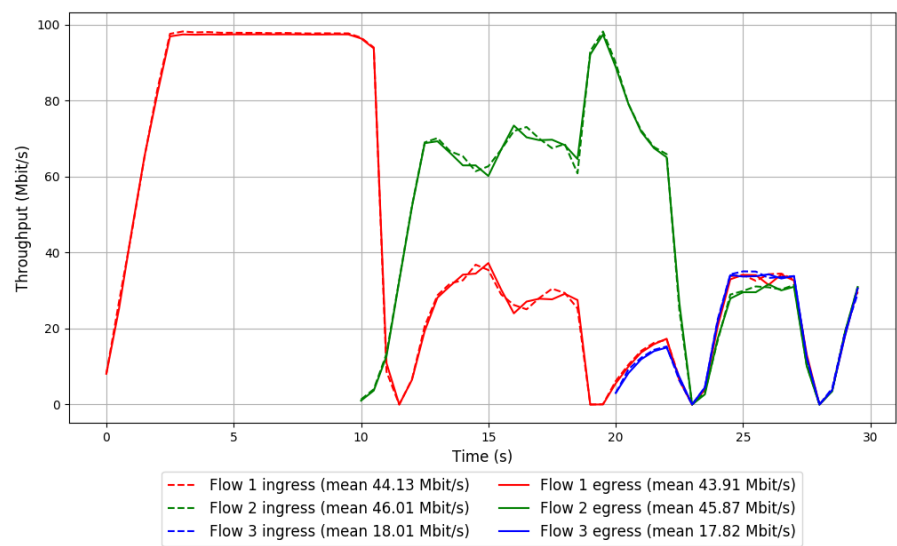
-- Flow 3:

Average throughput: 17.82 Mbit/s

95th percentile per-packet one-way delay: 49.543 ms

Loss rate: 1.07%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:02:32 +0000

End at: Sun, 09 Jul 2017 21:03:02 +0000

Local clock offset: 0.546 ms

Remote clock offset: -20.21 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 47.846 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 47.346 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.65 Mbit/s

95th percentile per-packet one-way delay: 48.424 ms

Loss rate: 0.21%

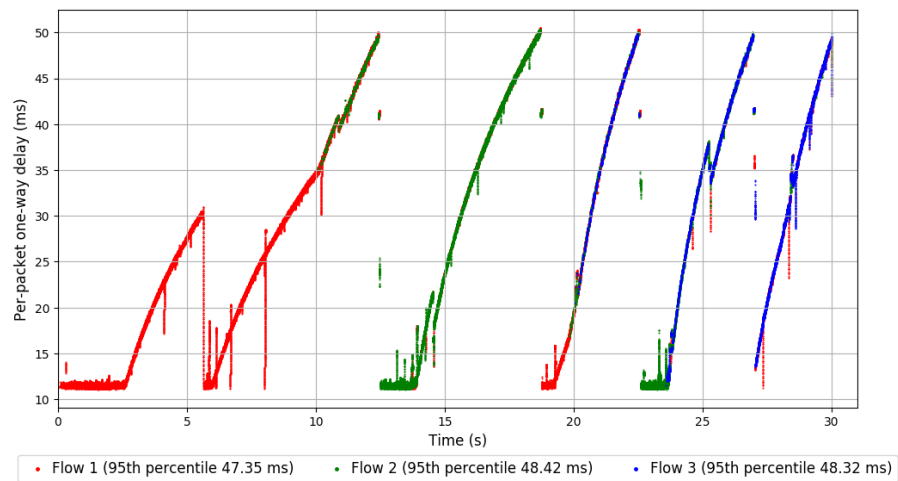
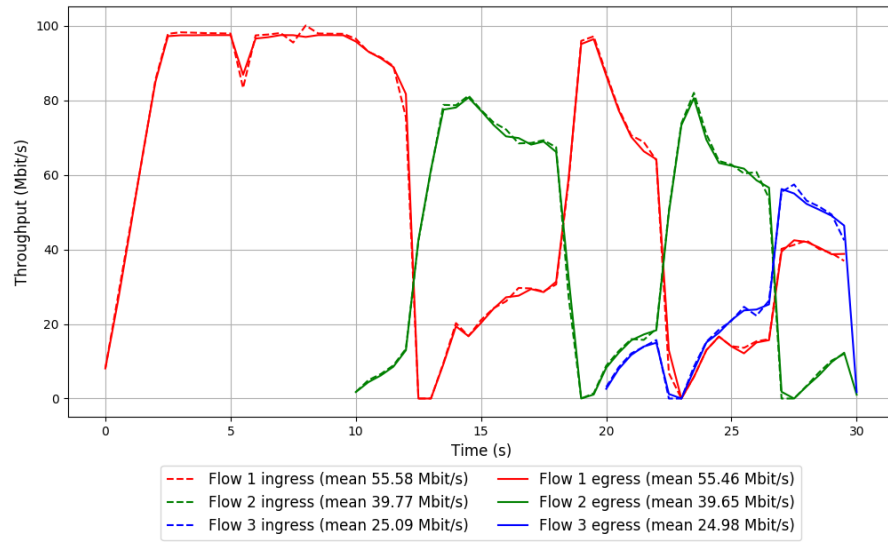
-- Flow 3:

Average throughput: 24.98 Mbit/s

95th percentile per-packet one-way delay: 48.319 ms

Loss rate: 0.16%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:20:28 +0000

End at: Sun, 09 Jul 2017 21:20:58 +0000

Local clock offset: -0.304 ms

Remote clock offset: -18.879 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.51 Mbit/s

95th percentile per-packet one-way delay: 49.458 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 49.56 Mbit/s

95th percentile per-packet one-way delay: 49.148 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 49.964 ms

Loss rate: 0.48%

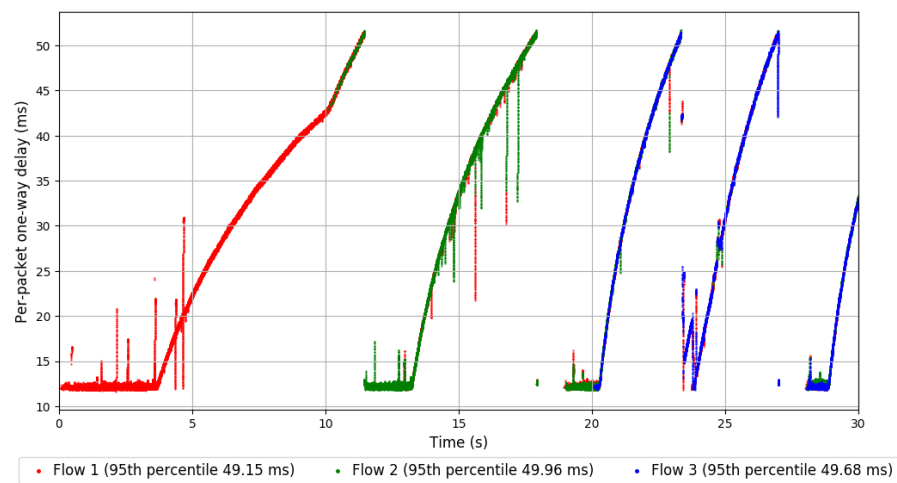
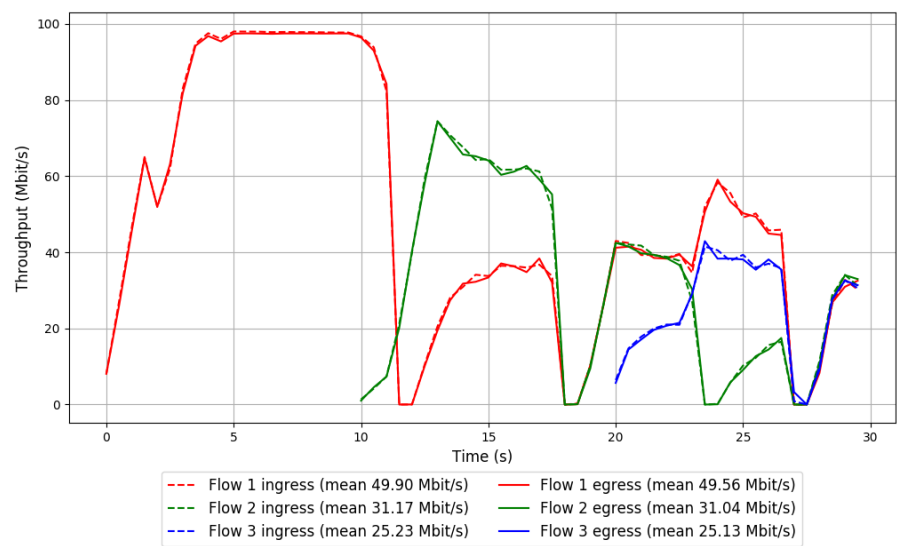
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 49.676 ms

Loss rate: 0.19%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:38:32 +0000

End at: Sun, 09 Jul 2017 21:39:02 +0000

Local clock offset: 0.886 ms

Remote clock offset: -20.046 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 48.232 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 52.38 Mbit/s

95th percentile per-packet one-way delay: 47.525 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 48.630 ms

Loss rate: 0.35%

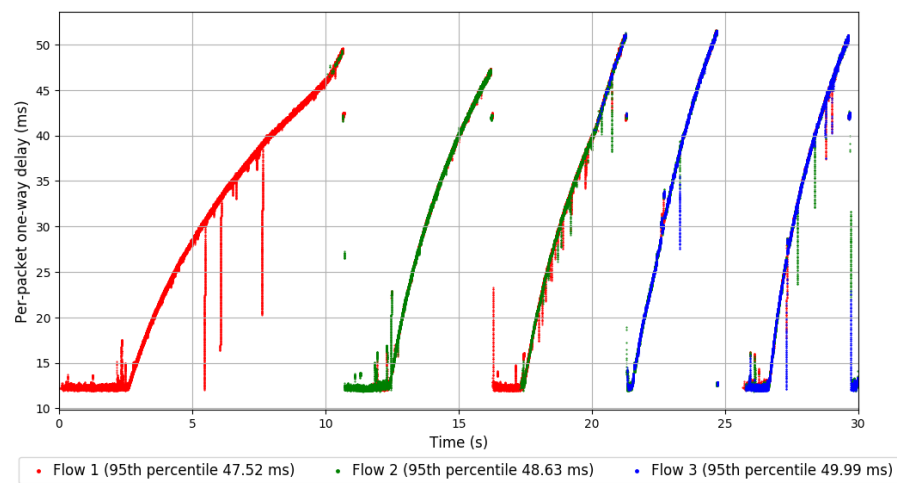
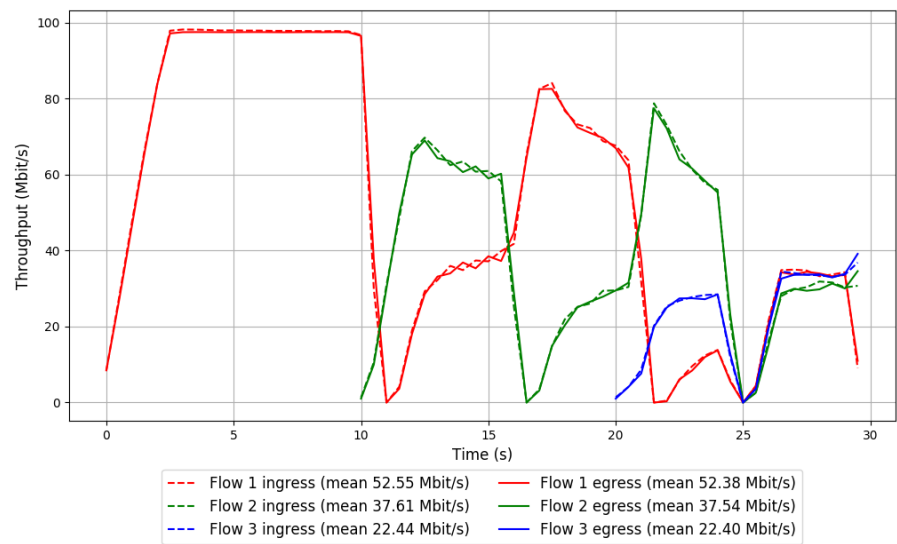
-- Flow 3:

Average throughput: 22.40 Mbit/s

95th percentile per-packet one-way delay: 49.986 ms

Loss rate: 0.44%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:56:26 +0000

End at: Sun, 09 Jul 2017 21:56:56 +0000

Local clock offset: -0.302 ms

Remote clock offset: -17.136 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 47.817 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 58.01 Mbit/s

95th percentile per-packet one-way delay: 47.364 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 26.50 Mbit/s

95th percentile per-packet one-way delay: 48.160 ms

Loss rate: 0.26%

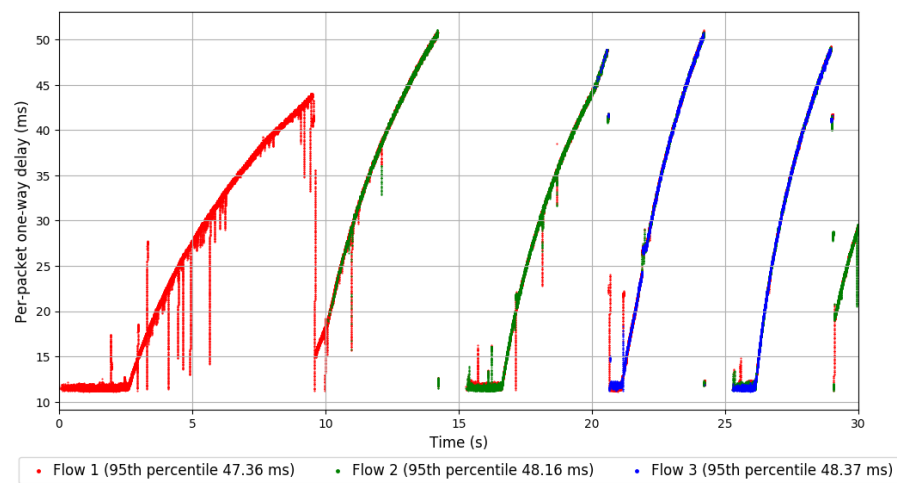
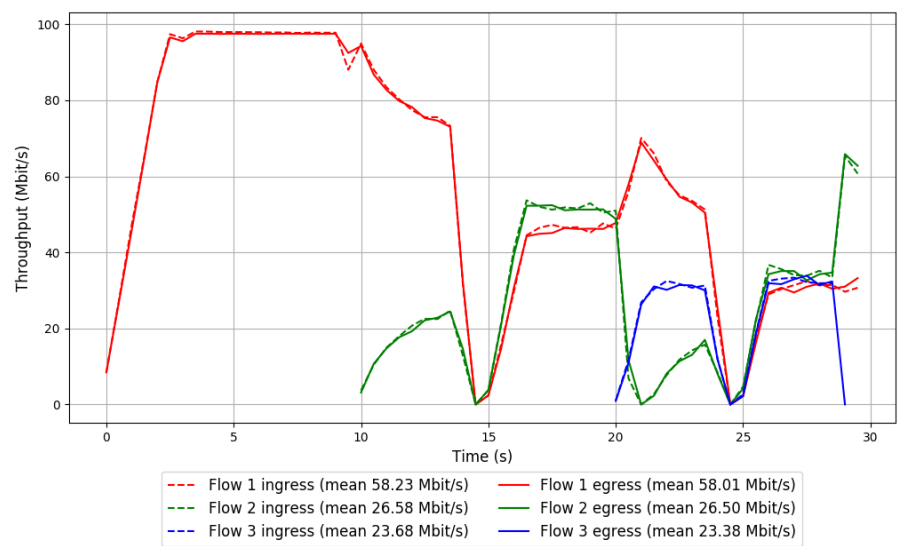
-- Flow 3:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 48.372 ms

Loss rate: 1.29%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:14:20 +0000

End at: Sun, 09 Jul 2017 22:14:50 +0000

Local clock offset: 1.654 ms

Remote clock offset: -18.084 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.37 Mbit/s

95th percentile per-packet one-way delay: 46.949 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 47.72 Mbit/s

95th percentile per-packet one-way delay: 46.428 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 48.38 Mbit/s

95th percentile per-packet one-way delay: 47.136 ms

Loss rate: 0.10%

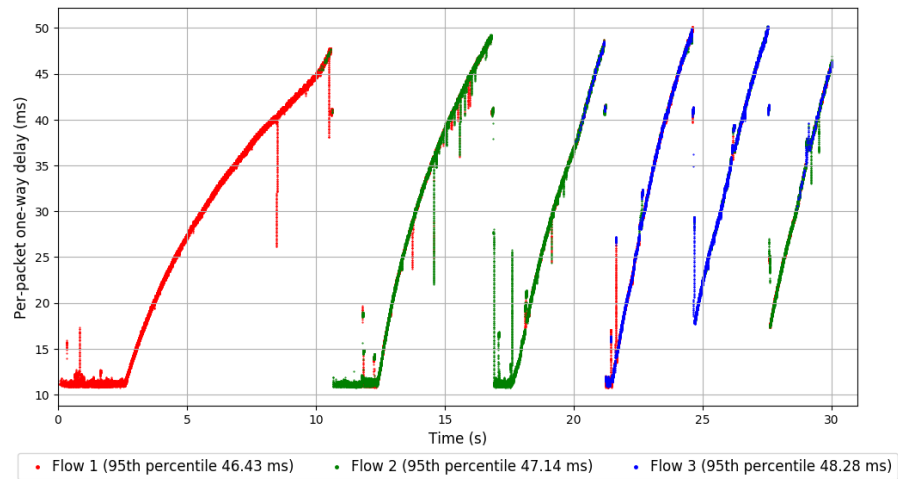
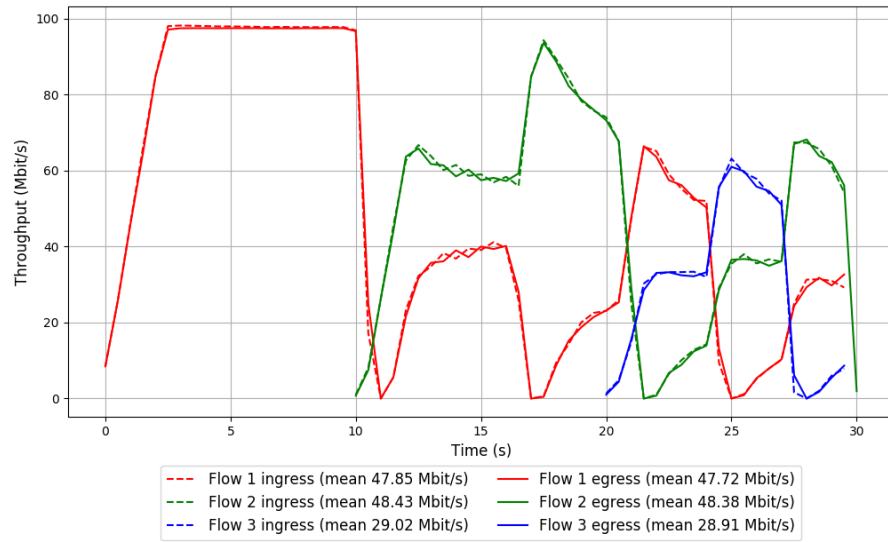
-- Flow 3:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 48.281 ms

Loss rate: 0.31%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:32:14 +0000

End at: Sun, 09 Jul 2017 22:32:44 +0000

Local clock offset: -0.153 ms

Remote clock offset: -15.488 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 47.584 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 49.26 Mbit/s

95th percentile per-packet one-way delay: 47.137 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 47.871 ms

Loss rate: 0.68%

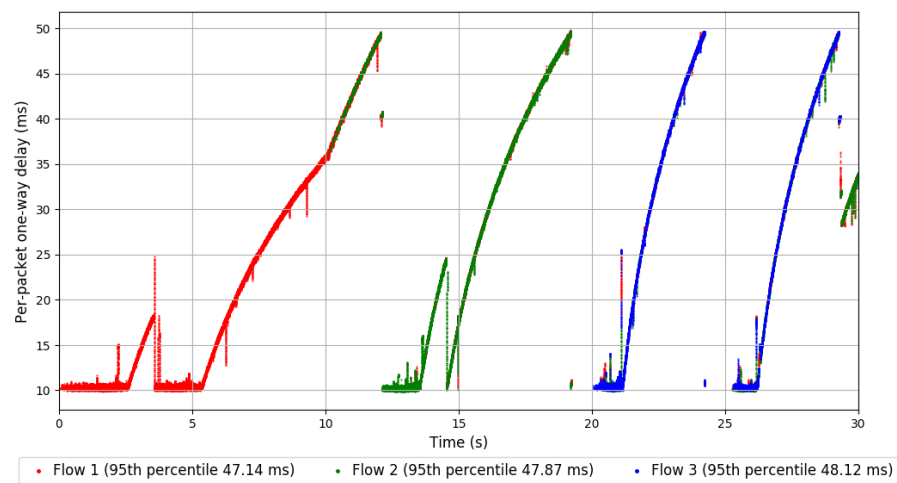
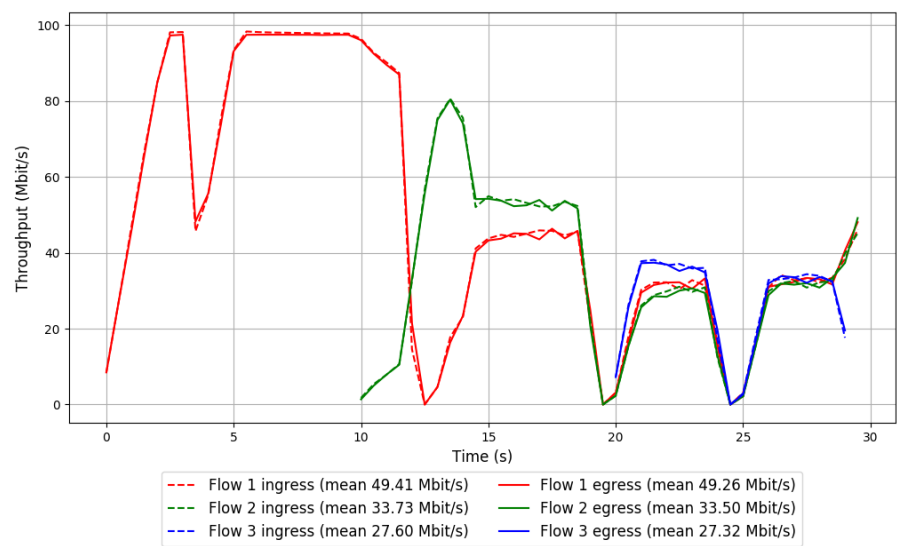
-- Flow 3:

Average throughput: 27.32 Mbit/s

95th percentile per-packet one-way delay: 48.124 ms

Loss rate: 0.69%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:50:02 +0000

End at: Sun, 09 Jul 2017 22:50:32 +0000

Local clock offset: 1.132 ms

Remote clock offset: -17.61 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:33:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.92 Mbit/s

95th percentile per-packet one-way delay: 46.919 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 45.61 Mbit/s

95th percentile per-packet one-way delay: 45.400 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 47.429 ms

Loss rate: 0.06%

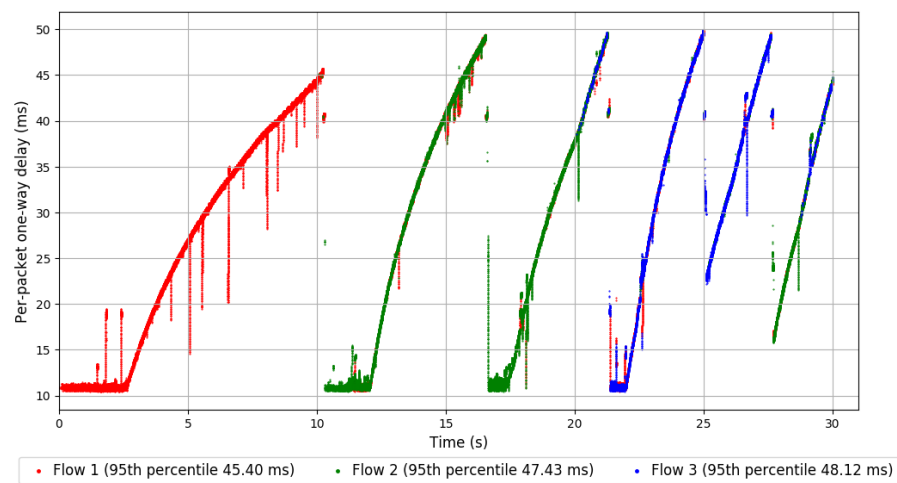
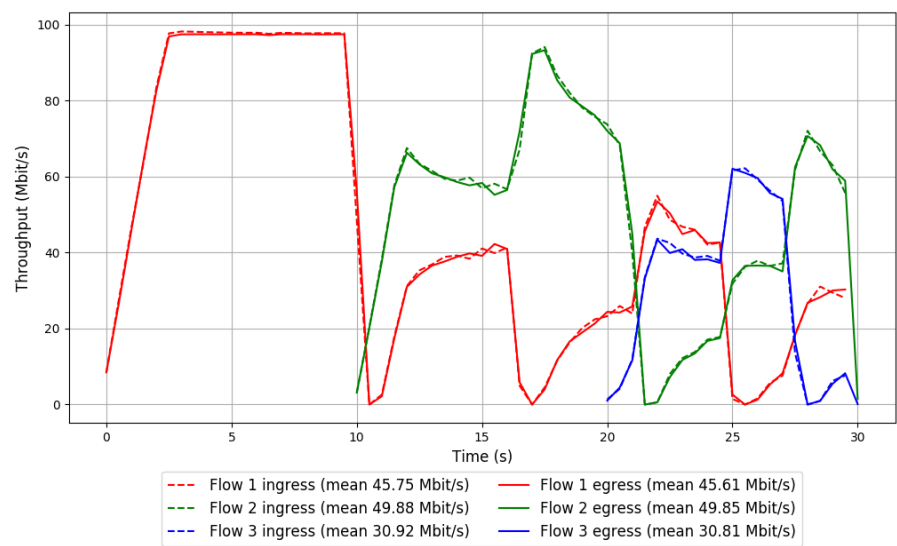
-- Flow 3:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 48.123 ms

Loss rate: 0.28%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:12:31 +0000

End at: Sun, 09 Jul 2017 20:13:01 +0000

Local clock offset: 0.379 ms

Remote clock offset: -18.46 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 27.813 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 71.08 Mbit/s

95th percentile per-packet one-way delay: 27.307 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 30.327 ms

Loss rate: 0.39%

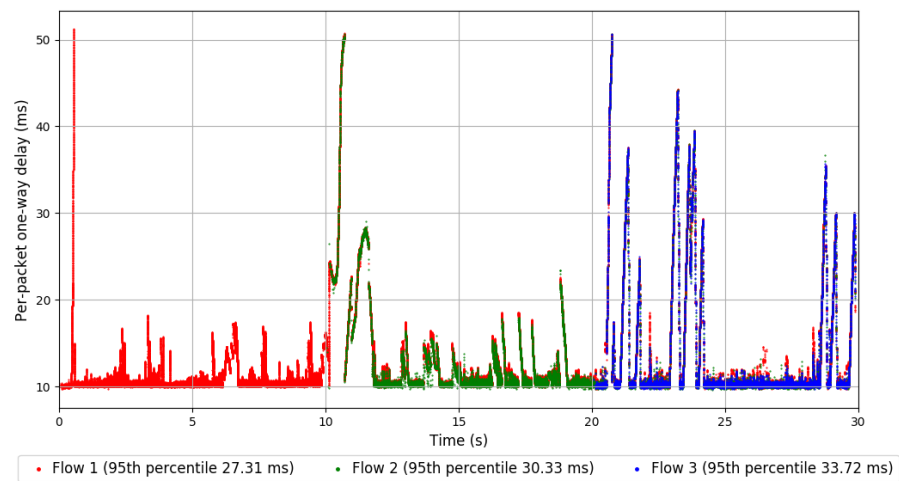
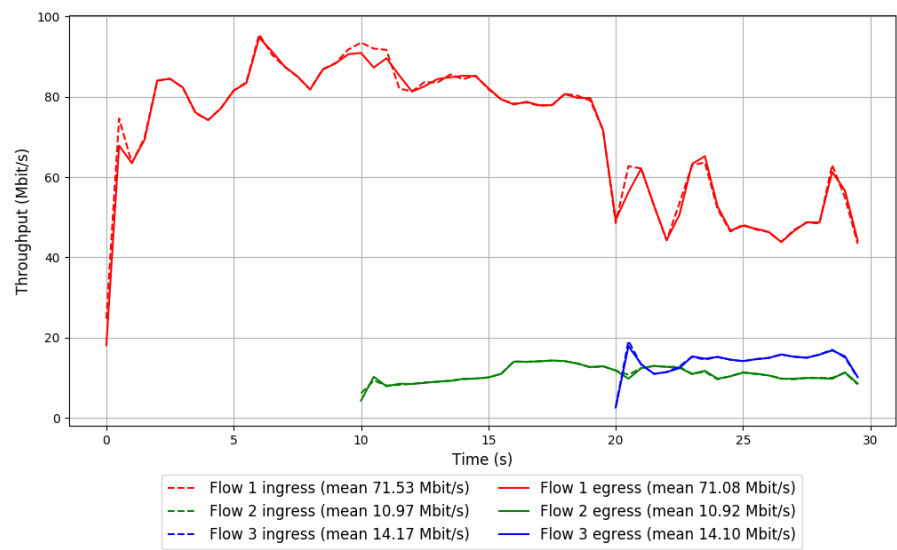
-- Flow 3:

Average throughput: 14.10 Mbit/s

95th percentile per-packet one-way delay: 33.724 ms

Loss rate: 0.40%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:30:19 +0000

End at: Sun, 09 Jul 2017 20:30:49 +0000

Local clock offset: -0.629 ms

Remote clock offset: -18.306 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.05 Mbit/s

95th percentile per-packet one-way delay: 42.382 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 42.590 ms

Loss rate: 2.58%

-- Flow 2:

Average throughput: 17.43 Mbit/s

95th percentile per-packet one-way delay: 43.407 ms

Loss rate: 2.53%

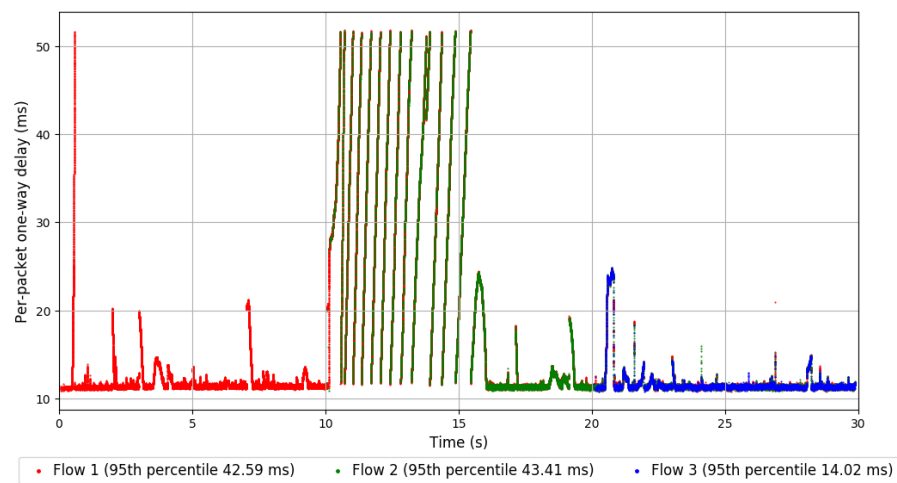
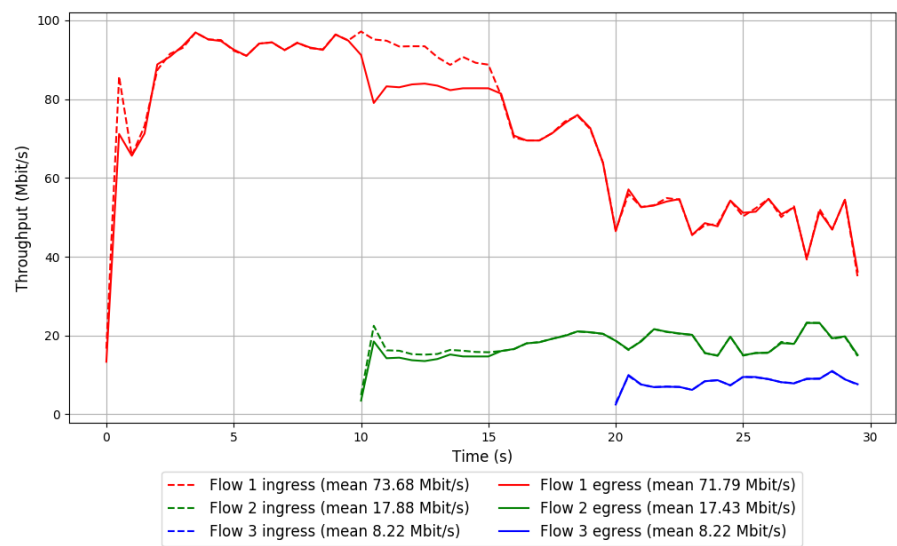
-- Flow 3:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 14.016 ms

Loss rate: 0.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:48:18 +0000

End at: Sun, 09 Jul 2017 20:48:48 +0000

Local clock offset: -2.22 ms

Remote clock offset: -18.374 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.95 Mbit/s

95th percentile per-packet one-way delay: 26.660 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 69.22 Mbit/s

95th percentile per-packet one-way delay: 26.756 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 21.90 Mbit/s

95th percentile per-packet one-way delay: 27.344 ms

Loss rate: 0.85%

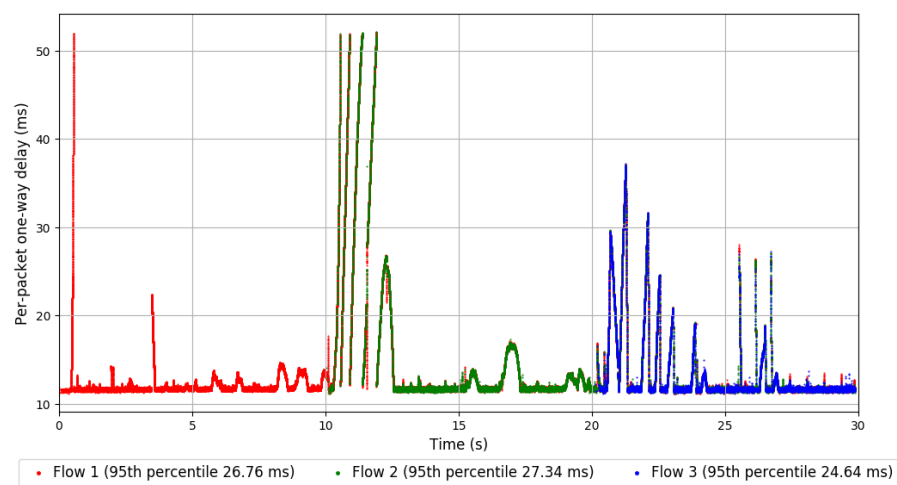
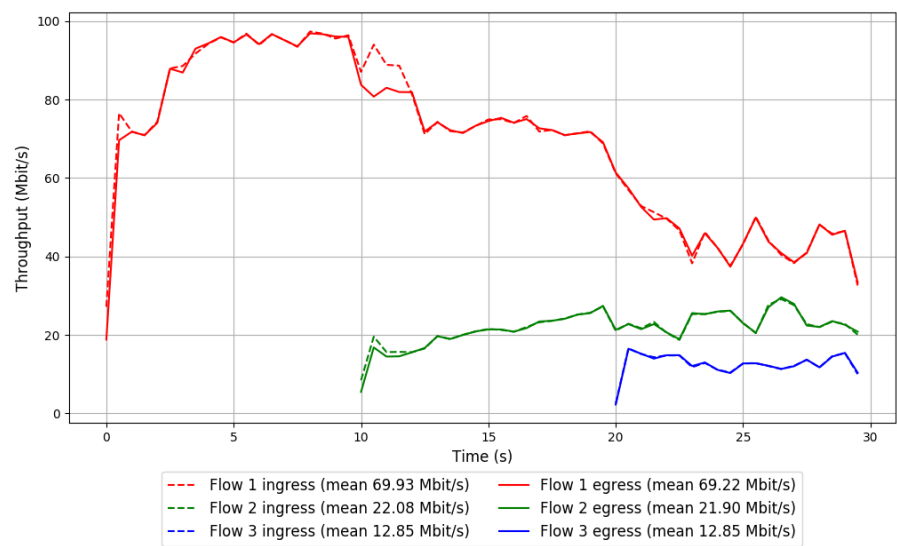
-- Flow 3:

Average throughput: 12.85 Mbit/s

95th percentile per-packet one-way delay: 24.640 ms

Loss rate: 0.00%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:06:12 +0000

End at: Sun, 09 Jul 2017 21:06:42 +0000

Local clock offset: -1.32 ms

Remote clock offset: -19.656 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 30.032 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 75.73 Mbit/s

95th percentile per-packet one-way delay: 26.930 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 32.971 ms

Loss rate: 1.25%

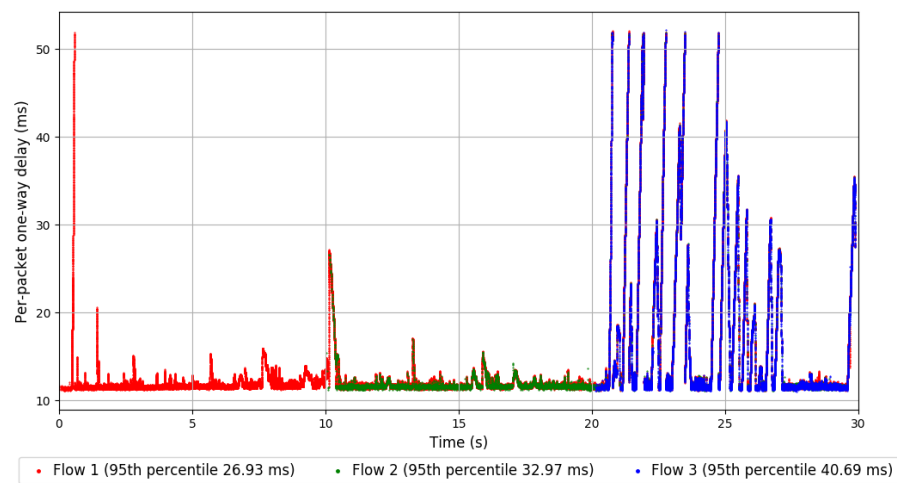
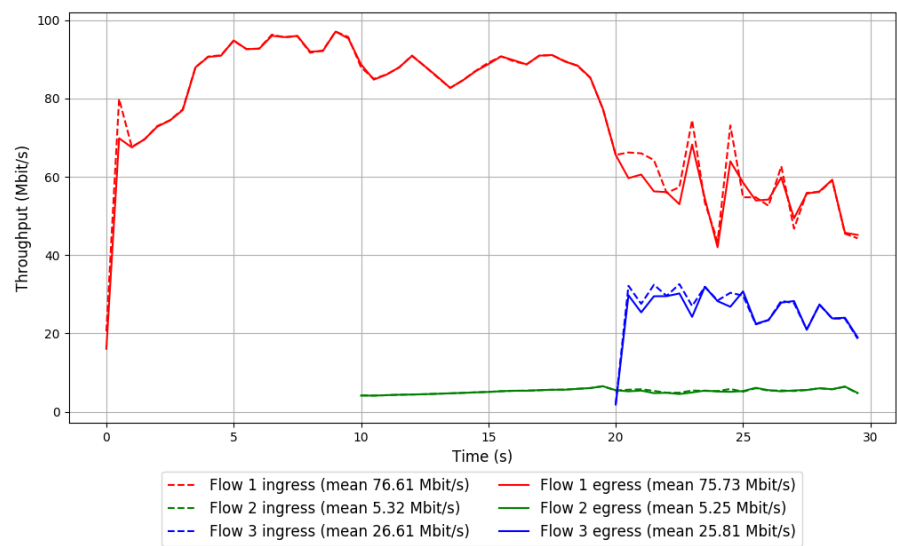
-- Flow 3:

Average throughput: 25.81 Mbit/s

95th percentile per-packet one-way delay: 40.690 ms

Loss rate: 2.85%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:24:10 +0000

End at: Sun, 09 Jul 2017 21:24:40 +0000

Local clock offset: -2.573 ms

Remote clock offset: -19.919 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.64 Mbit/s

95th percentile per-packet one-way delay: 16.872 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 74.63 Mbit/s

95th percentile per-packet one-way delay: 16.843 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 16.503 ms

Loss rate: 0.00%

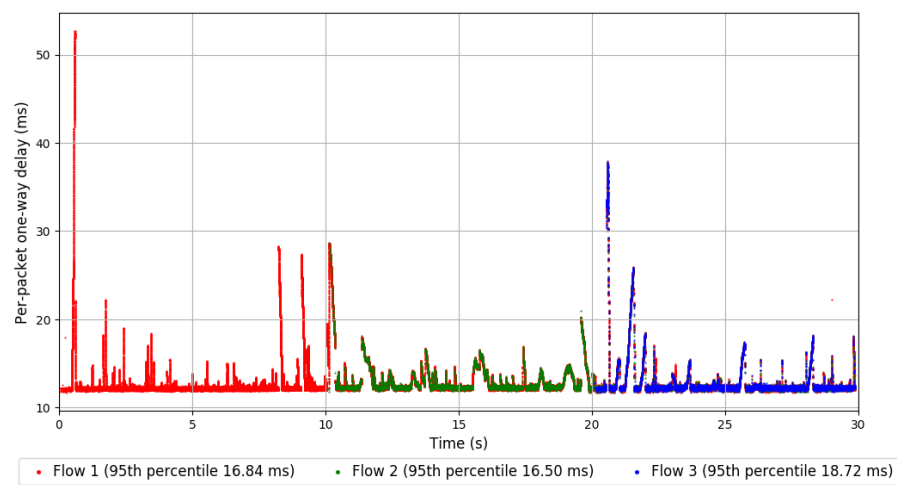
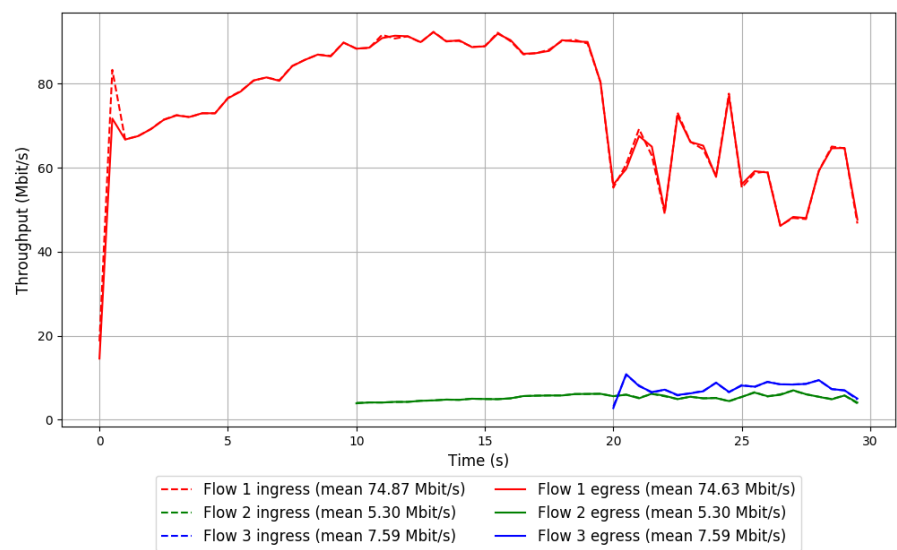
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 18.724 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:42:10 +0000

End at: Sun, 09 Jul 2017 21:42:40 +0000

Local clock offset: -0.548 ms

Remote clock offset: -18.536 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.43 Mbit/s

95th percentile per-packet one-way delay: 17.090 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 74.52 Mbit/s

95th percentile per-packet one-way delay: 17.077 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 16.974 ms

Loss rate: 0.00%

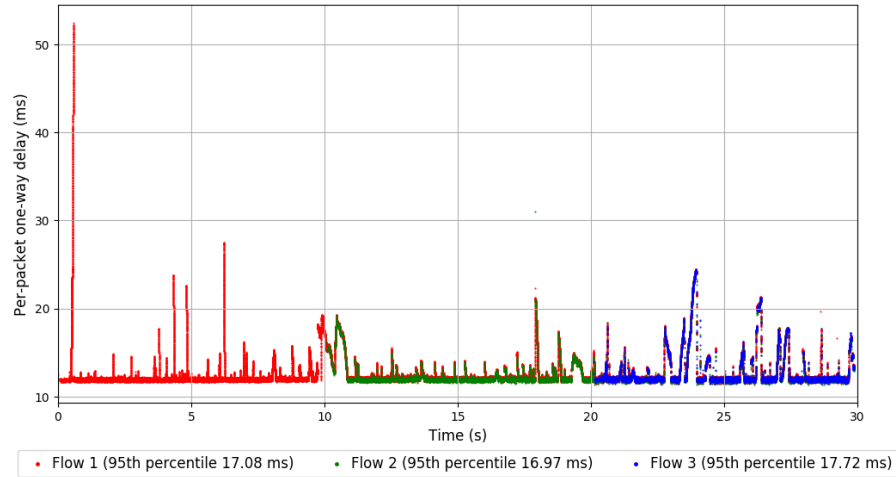
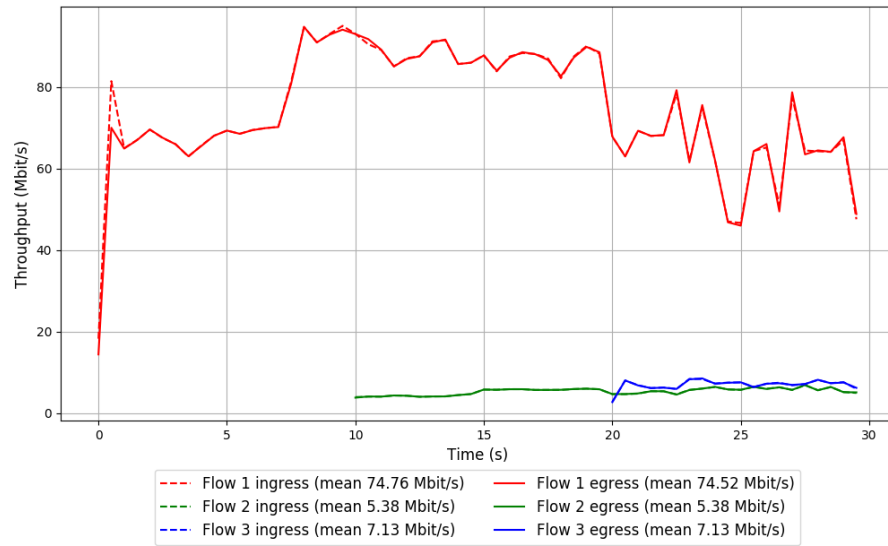
-- Flow 3:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 17.718 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:00:06 +0000

End at: Sun, 09 Jul 2017 22:00:36 +0000

Local clock offset: -0.726 ms

Remote clock offset: -17.47 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 41.597 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 74.11 Mbit/s

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

Loss rate: 1.49%

-- Flow 2:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 43.546 ms

Loss rate: 2.40%

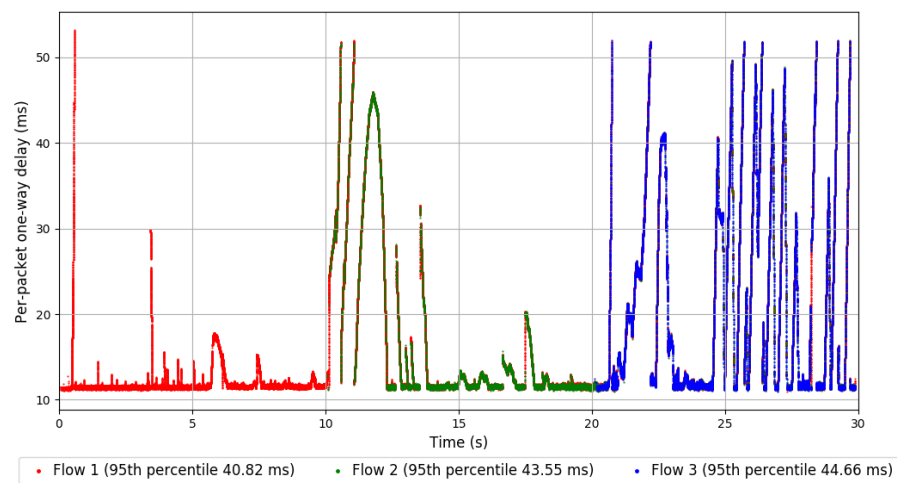
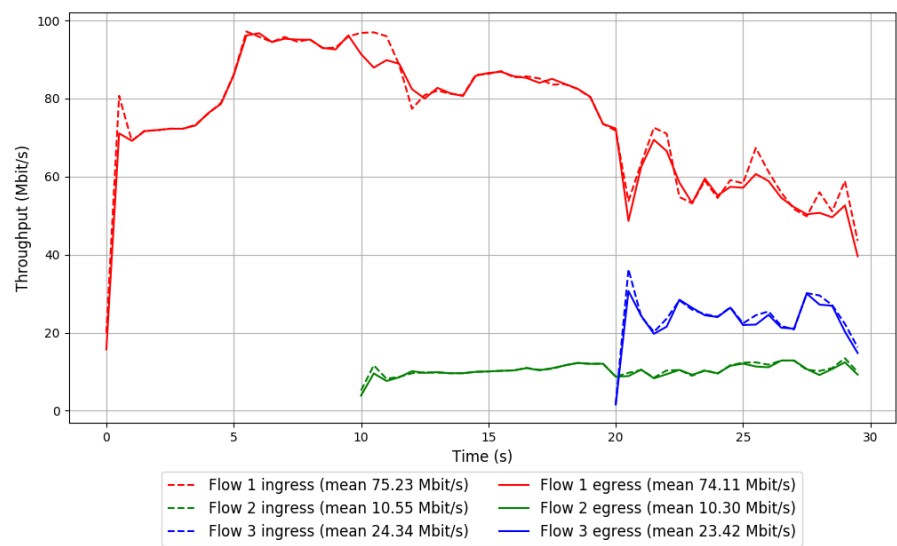
-- Flow 3:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 44.665 ms

Loss rate: 3.76%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:18:00 +0000

End at: Sun, 09 Jul 2017 22:18:30 +0000

Local clock offset: -1.786 ms

Remote clock offset: -18.071 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 23.472 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 73.10 Mbit/s

95th percentile per-packet one-way delay: 23.348 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 24.444 ms

Loss rate: 0.00%

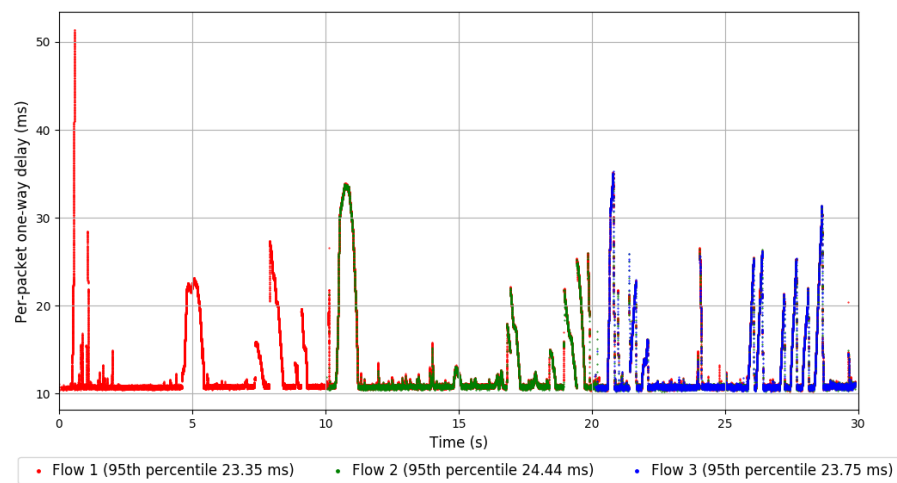
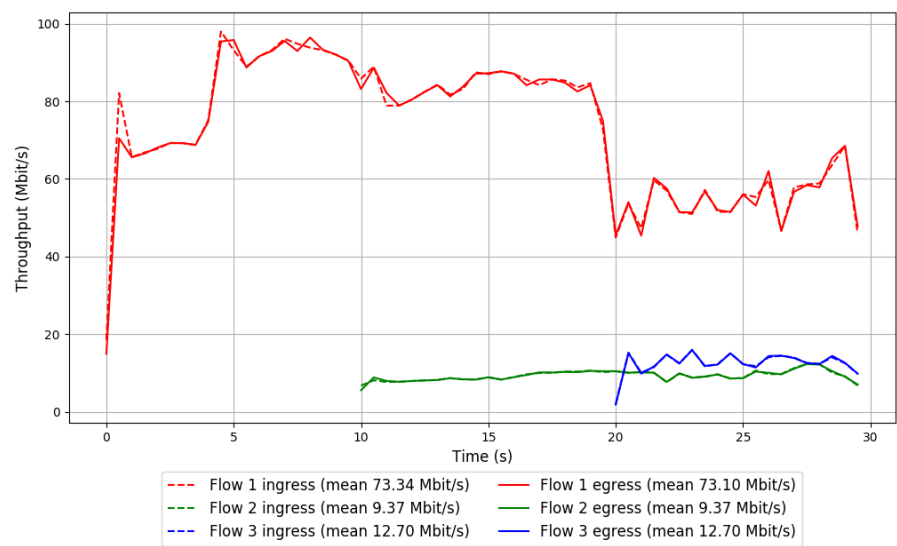
-- Flow 3:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 23.745 ms

Loss rate: 0.00%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:35:53 +0000

End at: Sun, 09 Jul 2017 22:36:23 +0000

Local clock offset: -1.154 ms

Remote clock offset: -17.107 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 33.026 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 32.111 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 36.631 ms

Loss rate: 0.48%

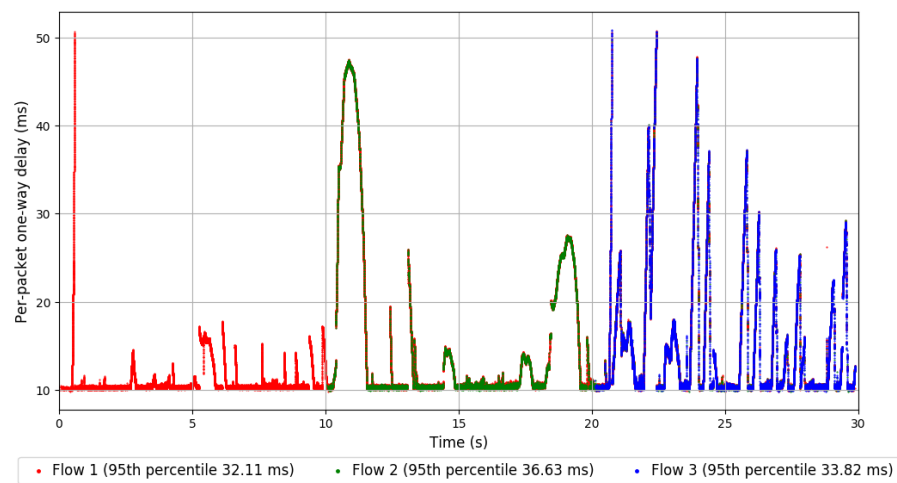
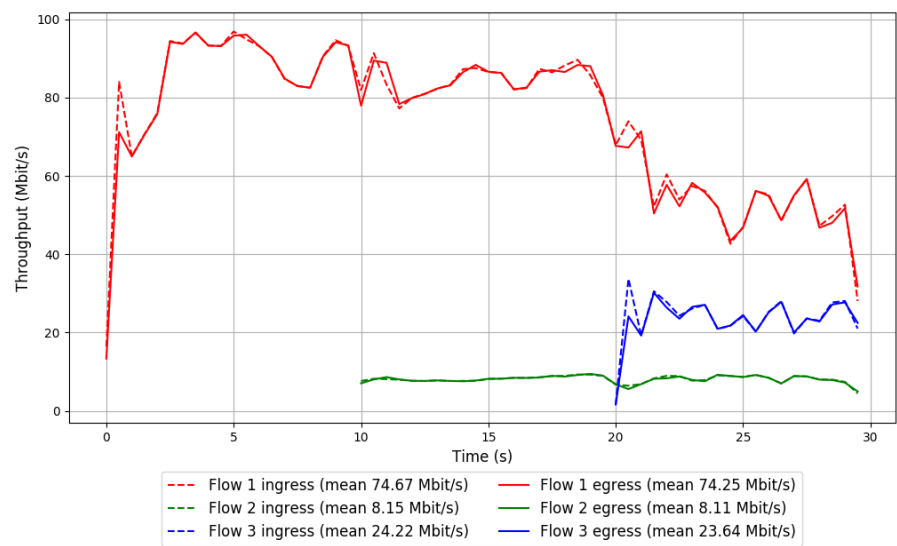
-- Flow 3:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 33.816 ms

Loss rate: 2.36%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:53:41 +0000

End at: Sun, 09 Jul 2017 22:54:11 +0000

Local clock offset: 0.379 ms

Remote clock offset: -16.552 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:34:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 24.421 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 71.01 Mbit/s

95th percentile per-packet one-way delay: 22.528 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 13.65 Mbit/s

95th percentile per-packet one-way delay: 28.278 ms

Loss rate: 0.49%

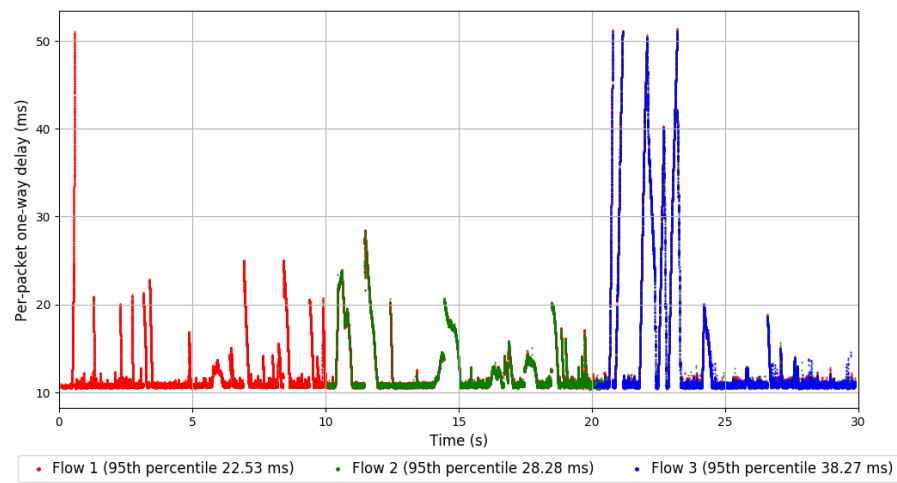
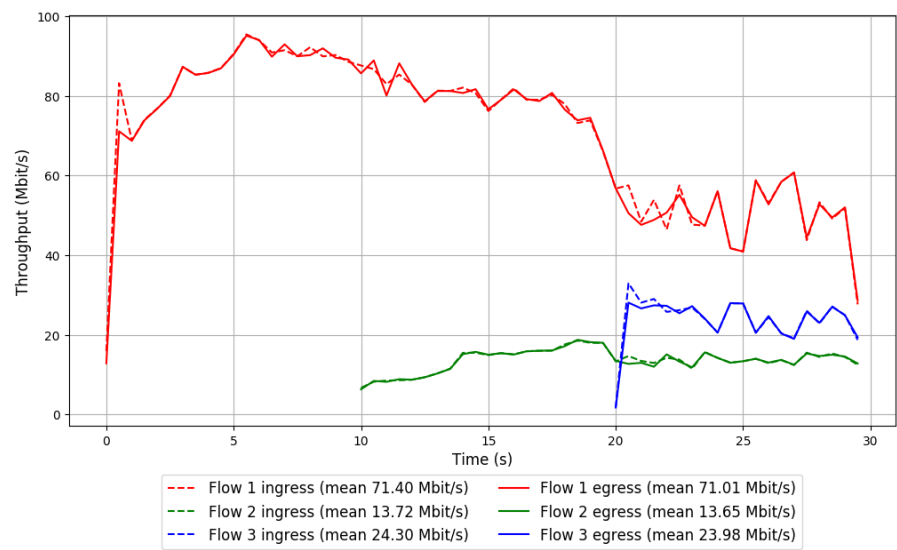
-- Flow 3:

Average throughput: 23.98 Mbit/s

95th percentile per-packet one-way delay: 38.272 ms

Loss rate: 1.32%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:02:50 +0000

End at: Sun, 09 Jul 2017 20:03:20 +0000

Local clock offset: 0.453 ms

Remote clock offset: -17.892 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.48 Mbit/s

95th percentile per-packet one-way delay: 14.176 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 11.146 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 13.738 ms

Loss rate: 0.00%

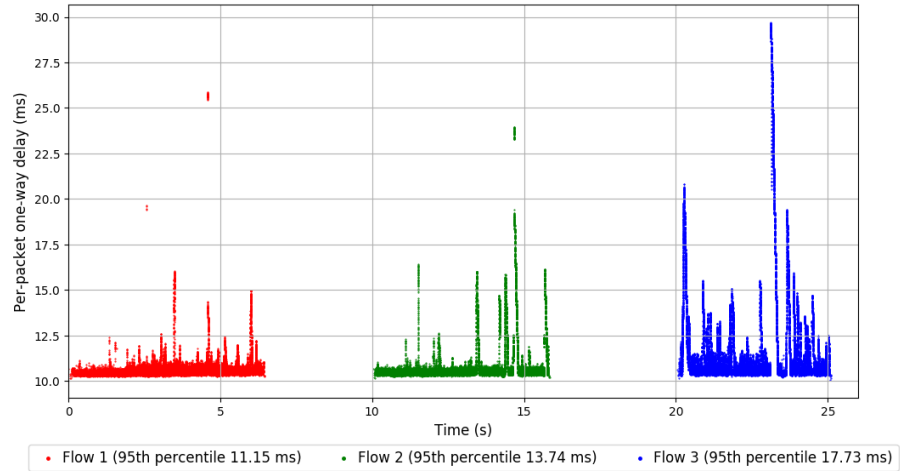
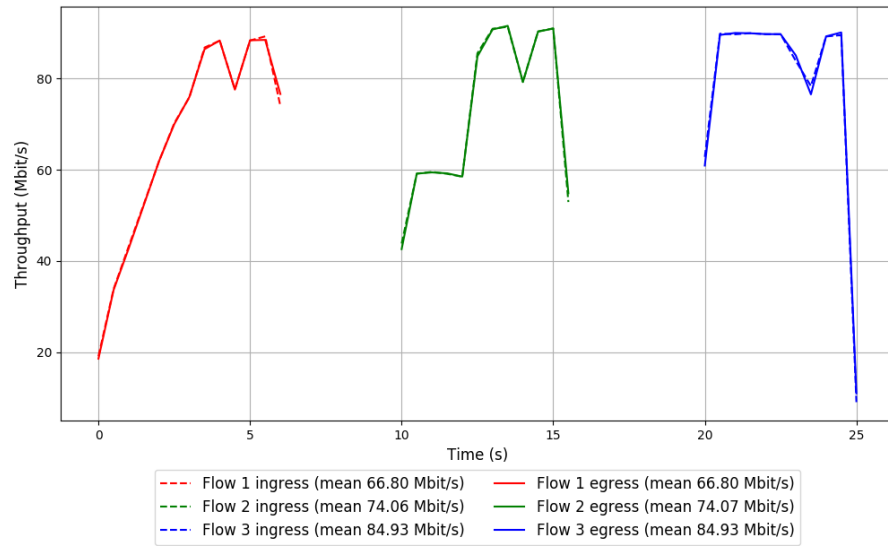
-- Flow 3:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 17.725 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:20:47 +0000

End at: Sun, 09 Jul 2017 20:21:17 +0000

Local clock offset: -2.522 ms

Remote clock offset: -17.614 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.33 Mbit/s

95th percentile per-packet one-way delay: 14.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 14.490 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 17.073 ms

Loss rate: 0.00%

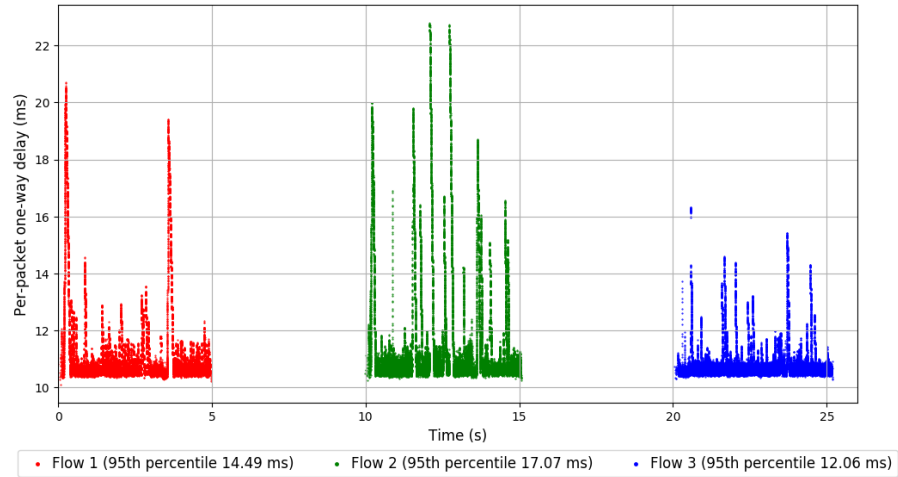
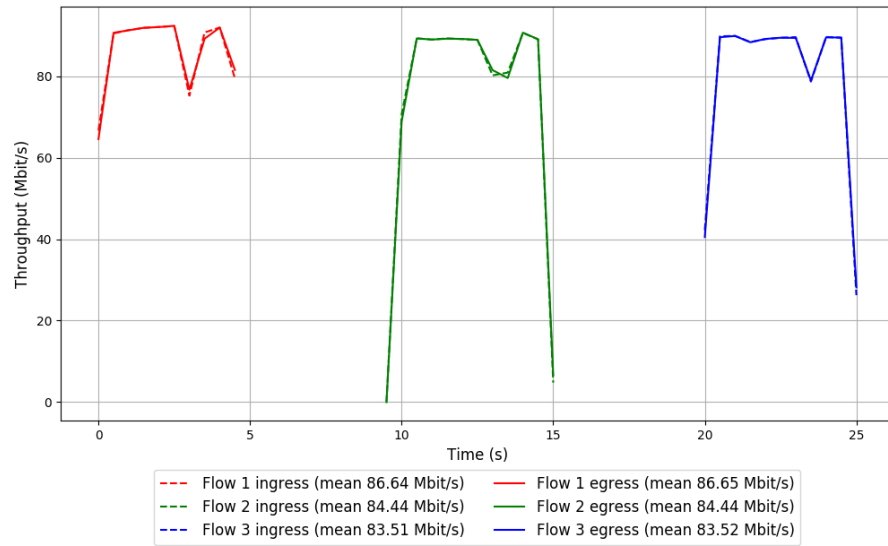
-- Flow 3:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 12.064 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:38:40 +0000

End at: Sun, 09 Jul 2017 20:39:10 +0000

Local clock offset: -2.553 ms

Remote clock offset: -18.199 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 14.631 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 14.585 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 78.32 Mbit/s

95th percentile per-packet one-way delay: 12.130 ms

Loss rate: 0.00%

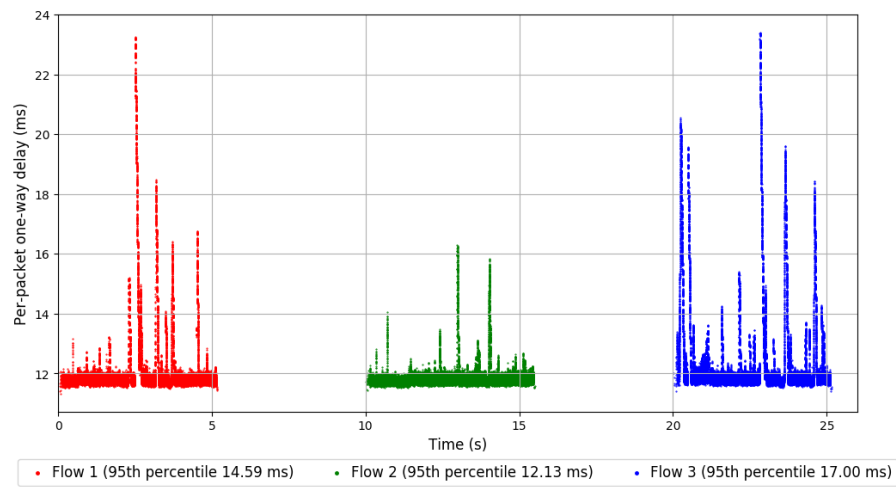
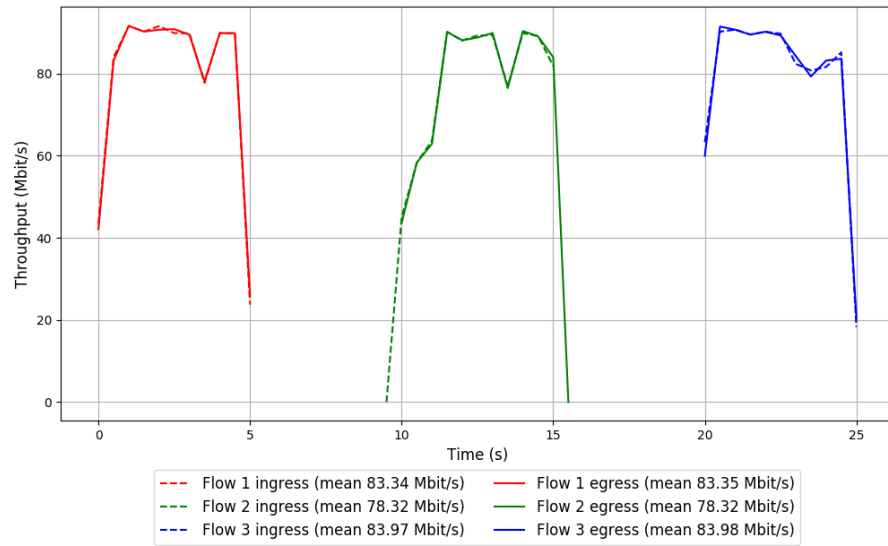
-- Flow 3:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 17.004 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:56:37 +0000

End at: Sun, 09 Jul 2017 20:57:07 +0000

Local clock offset: -0.862 ms

Remote clock offset: -18.255 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.99 Mbit/s

95th percentile per-packet one-way delay: 16.535 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 81.58 Mbit/s

95th percentile per-packet one-way delay: 16.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 19.210 ms

Loss rate: 0.00%

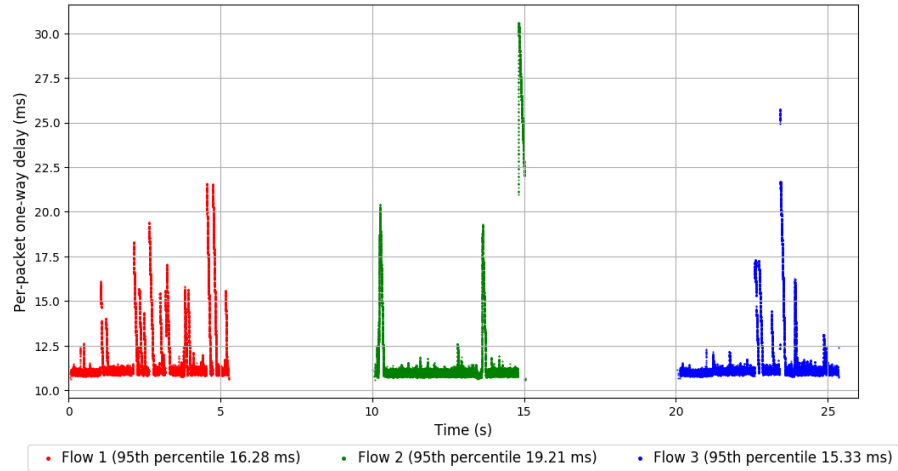
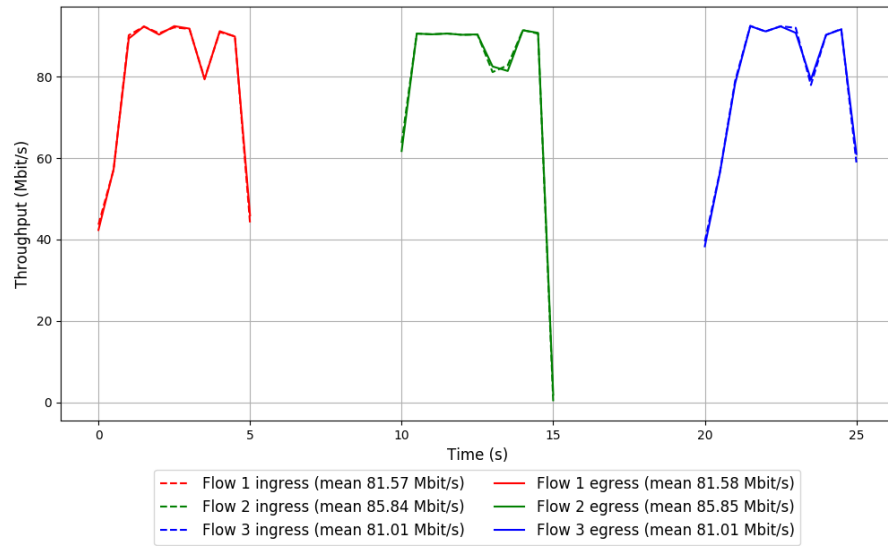
-- Flow 3:

Average throughput: 81.01 Mbit/s

95th percentile per-packet one-way delay: 15.334 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:14:33 +0000

End at: Sun, 09 Jul 2017 21:15:03 +0000

Local clock offset: -0.754 ms

Remote clock offset: -18.86 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.48 Mbit/s

95th percentile per-packet one-way delay: 14.445 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 80.06 Mbit/s

95th percentile per-packet one-way delay: 12.907 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.97 Mbit/s

95th percentile per-packet one-way delay: 14.089 ms

Loss rate: 0.00%

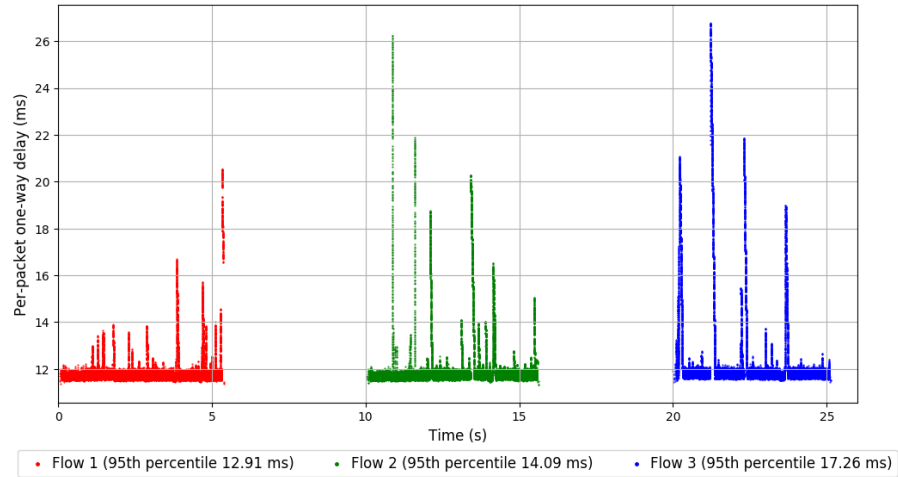
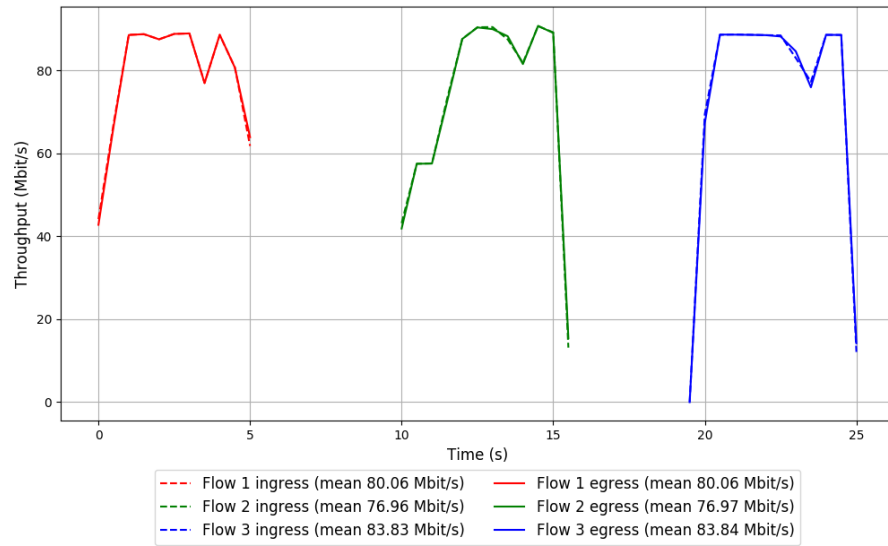
-- Flow 3:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 17.260 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:32:26 +0000

End at: Sun, 09 Jul 2017 21:32:56 +0000

Local clock offset: -3.401 ms

Remote clock offset: -20.756 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 15.466 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 74.23 Mbit/s

95th percentile per-packet one-way delay: 12.875 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 17.633 ms

Loss rate: 0.00%

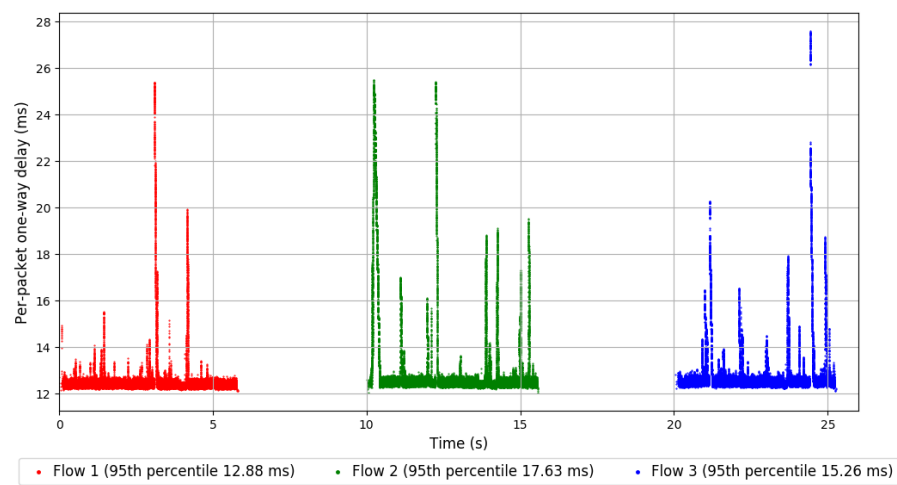
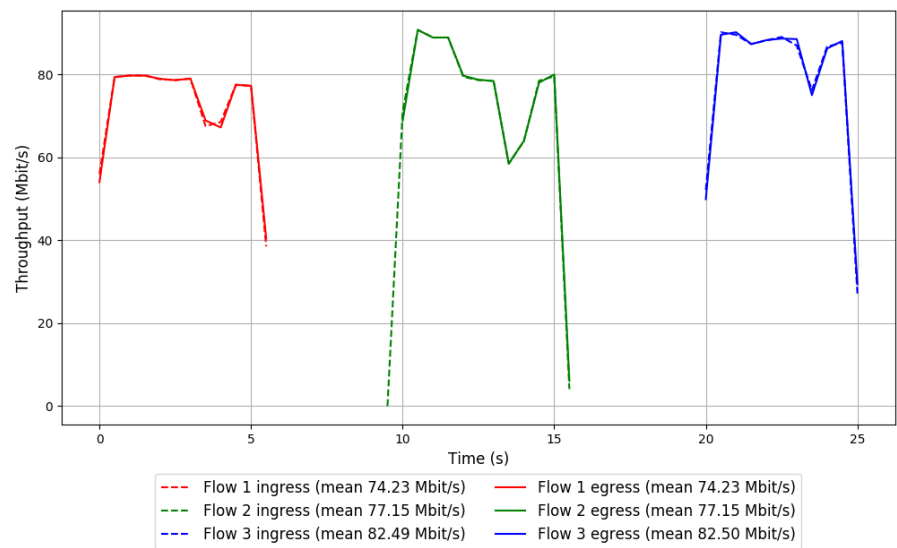
-- Flow 3:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 15.256 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:50:27 +0000

End at: Sun, 09 Jul 2017 21:50:57 +0000

Local clock offset: 0.042 ms

Remote clock offset: -20.04 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 16.330 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 17.448 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 19.422 ms

Loss rate: 0.00%

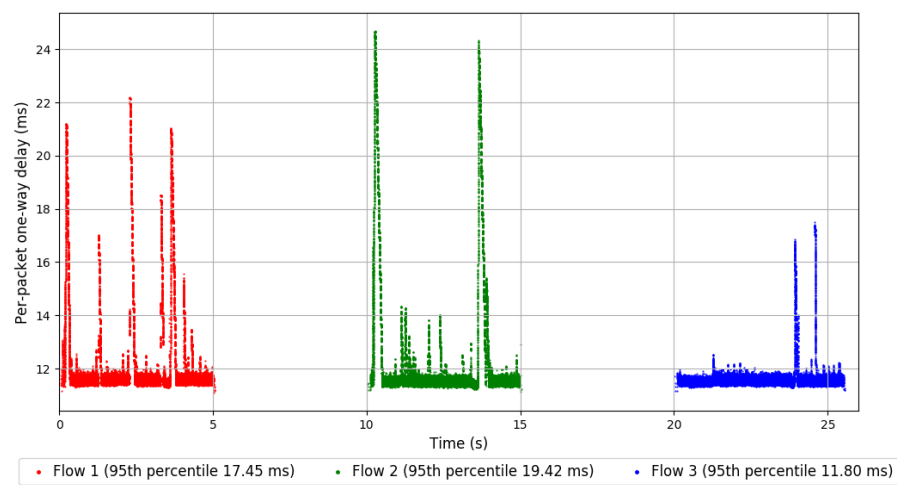
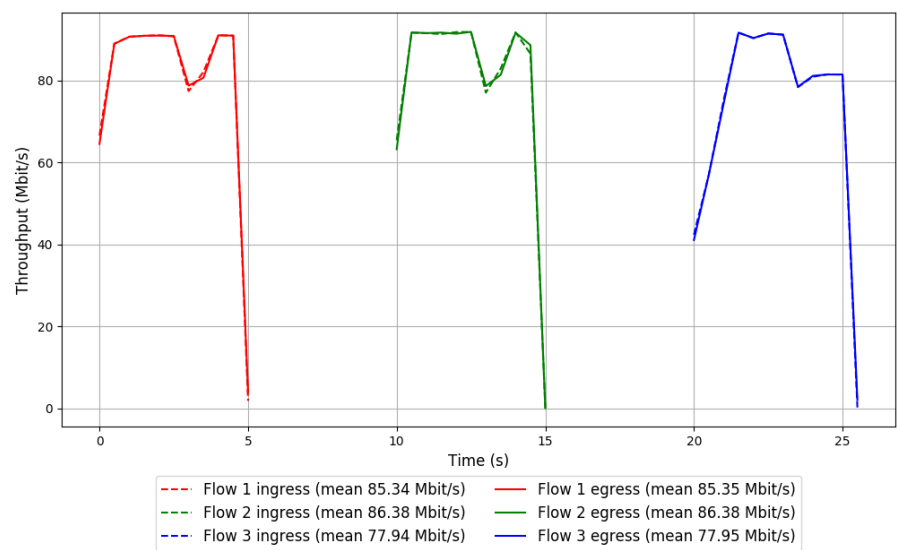
-- Flow 3:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 11.801 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:08:23 +0000

End at: Sun, 09 Jul 2017 22:08:53 +0000

Local clock offset: -1.414 ms

Remote clock offset: -18.784 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 19.072 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 84.41 Mbit/s

95th percentile per-packet one-way delay: 19.929 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 14.302 ms

Loss rate: 0.01%

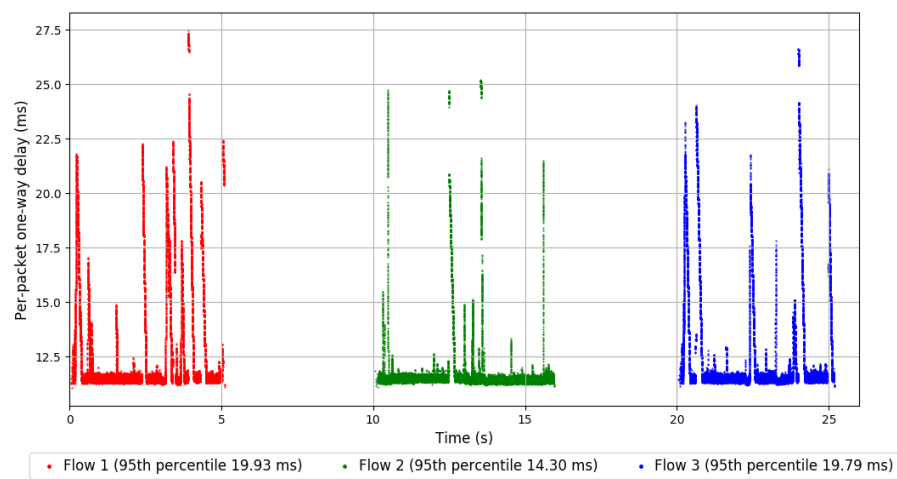
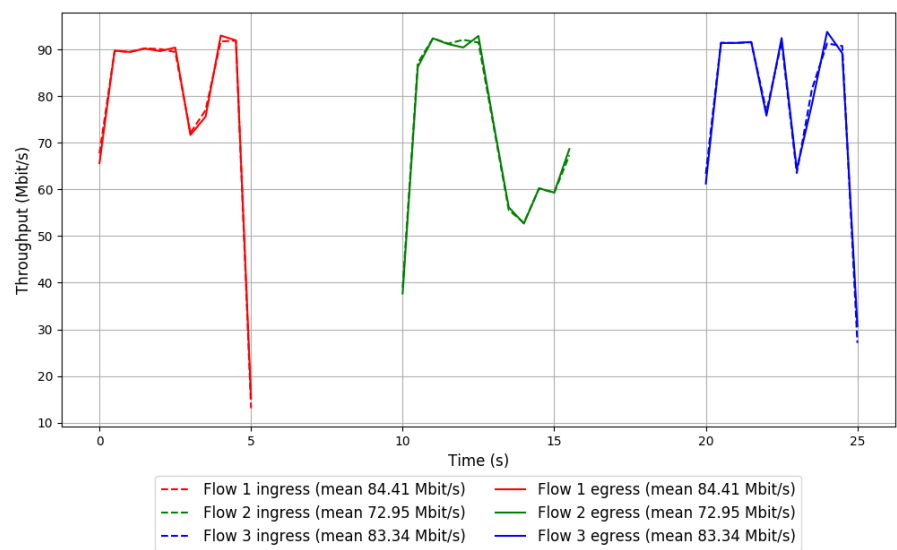
-- Flow 3:

Average throughput: 83.34 Mbit/s

95th percentile per-packet one-way delay: 19.785 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:26:16 +0000

End at: Sun, 09 Jul 2017 22:26:46 +0000

Local clock offset: 0.142 ms

Remote clock offset: -14.976 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 14.545 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 85.91 Mbit/s

95th percentile per-packet one-way delay: 18.183 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 15.297 ms

Loss rate: 0.00%

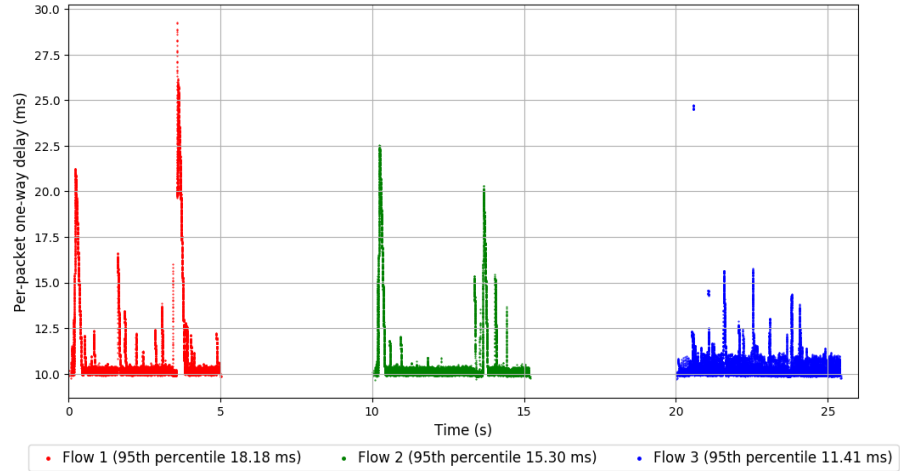
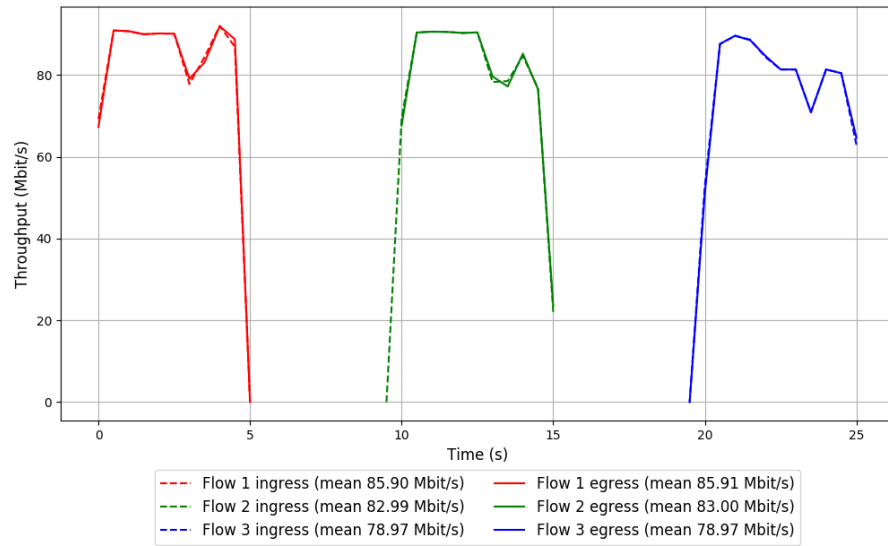
-- Flow 3:

Average throughput: 78.97 Mbit/s

95th percentile per-packet one-way delay: 11.411 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:44:07 +0000

End at: Sun, 09 Jul 2017 22:44:37 +0000

Local clock offset: 0.44 ms

Remote clock offset: -16.715 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 14.046 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: 11.676 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 11.000 ms

Loss rate: 0.00%

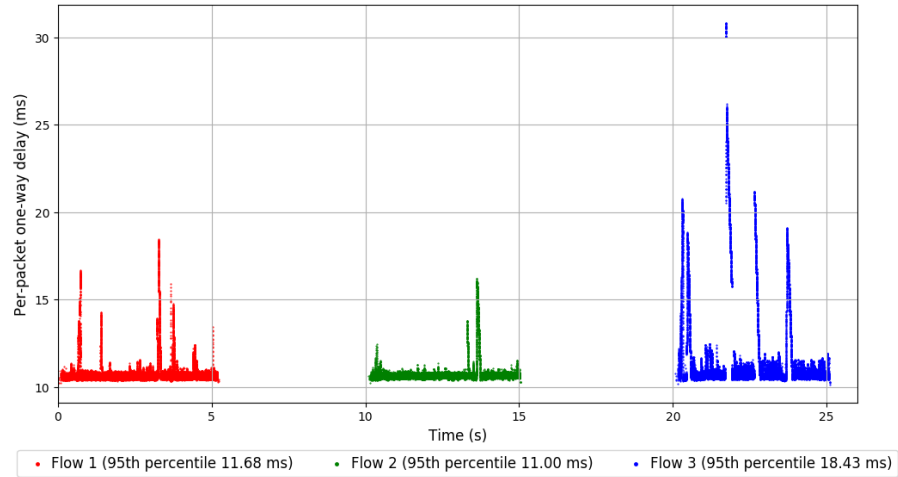
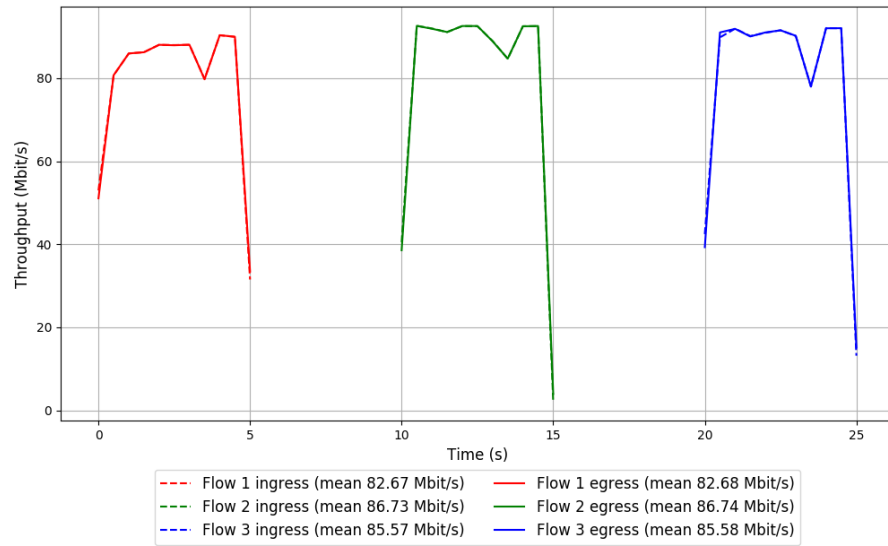
-- Flow 3:

Average throughput: 85.58 Mbit/s

95th percentile per-packet one-way delay: 18.426 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:11:16 +0000

End at: Sun, 09 Jul 2017 20:11:46 +0000

Local clock offset: -1.971 ms

Remote clock offset: -17.824 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 35.554 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 64.36 Mbit/s

95th percentile per-packet one-way delay: 35.551 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 48.23 Mbit/s

95th percentile per-packet one-way delay: 35.555 ms

Loss rate: 0.76%

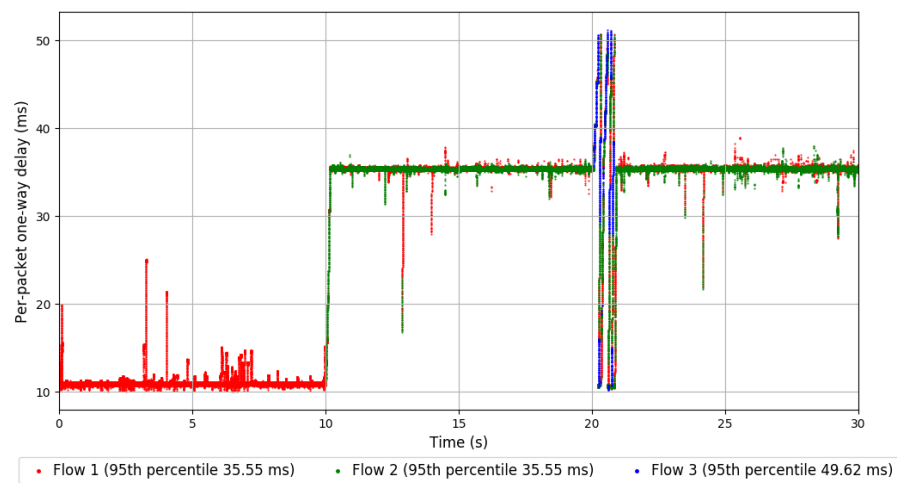
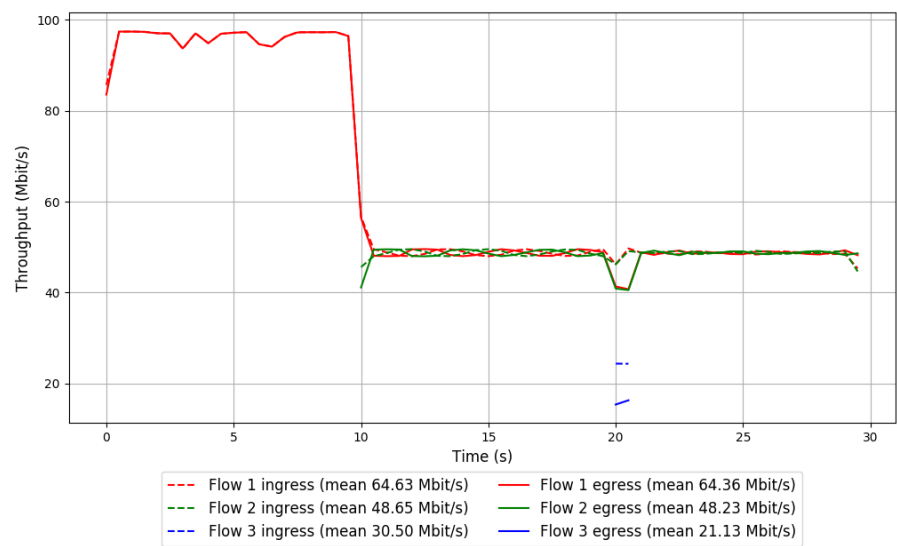
-- Flow 3:

Average throughput: 21.13 Mbit/s

95th percentile per-packet one-way delay: 49.623 ms

Loss rate: 35.03%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:29:02 +0000

End at: Sun, 09 Jul 2017 20:29:32 +0000

Local clock offset: -0.102 ms

Remote clock offset: -16.367 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 35.476 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 35.469 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 35.484 ms

Loss rate: 0.61%

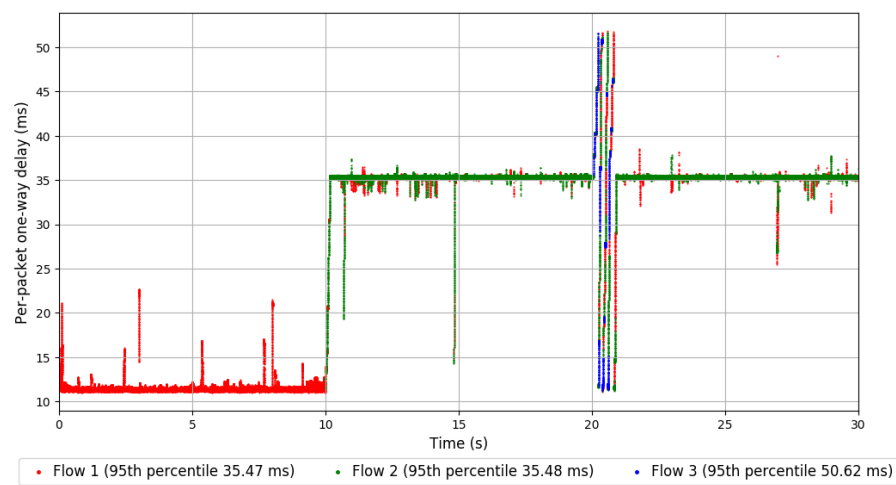
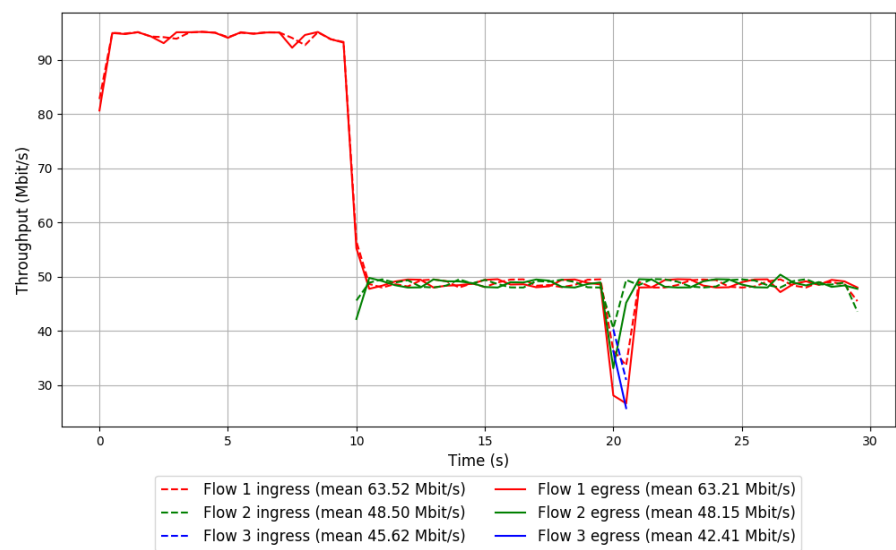
-- Flow 3:

Average throughput: 42.41 Mbit/s

95th percentile per-packet one-way delay: 50.618 ms

Loss rate: 12.94%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:47:00 +0000

End at: Sun, 09 Jul 2017 20:47:30 +0000

Local clock offset: -0.409 ms

Remote clock offset: -18.304 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 35.953 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 63.81 Mbit/s

95th percentile per-packet one-way delay: 35.945 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 35.962 ms

Loss rate: 0.30%

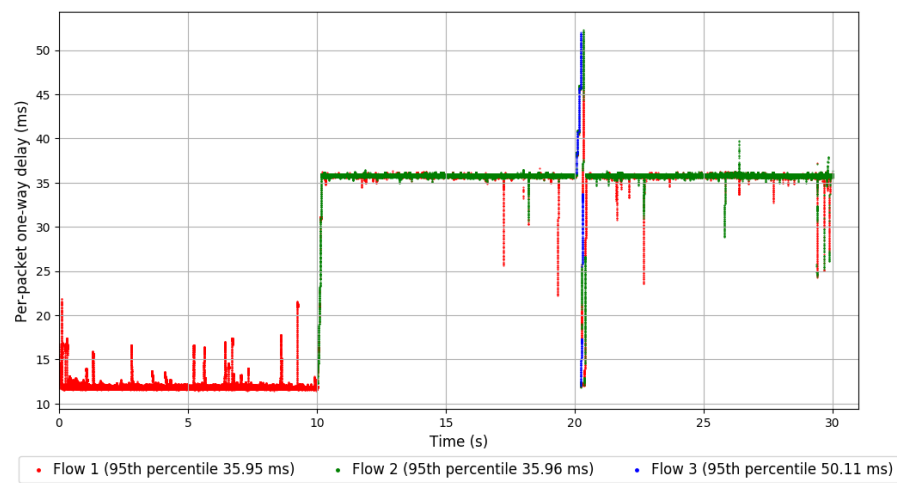
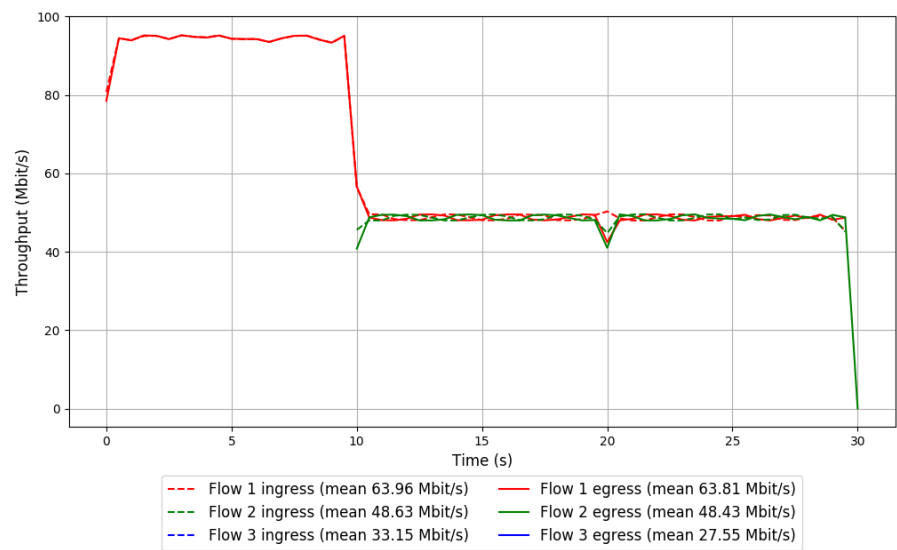
-- Flow 3:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 50.107 ms

Loss rate: 30.49%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:04:57 +0000

End at: Sun, 09 Jul 2017 21:05:27 +0000

Local clock offset: -0.944 ms

Remote clock offset: -19.29 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:35:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 35.714 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 63.67 Mbit/s

95th percentile per-packet one-way delay: 35.710 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 35.720 ms

Loss rate: 0.31%

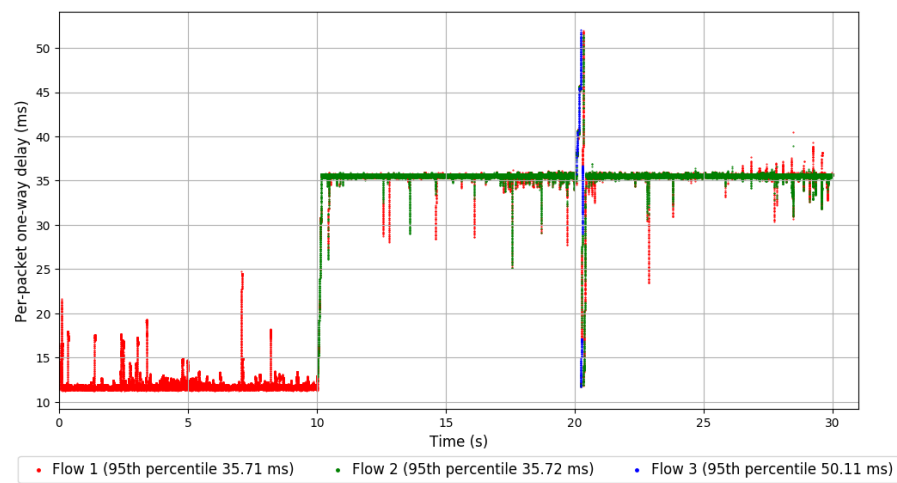
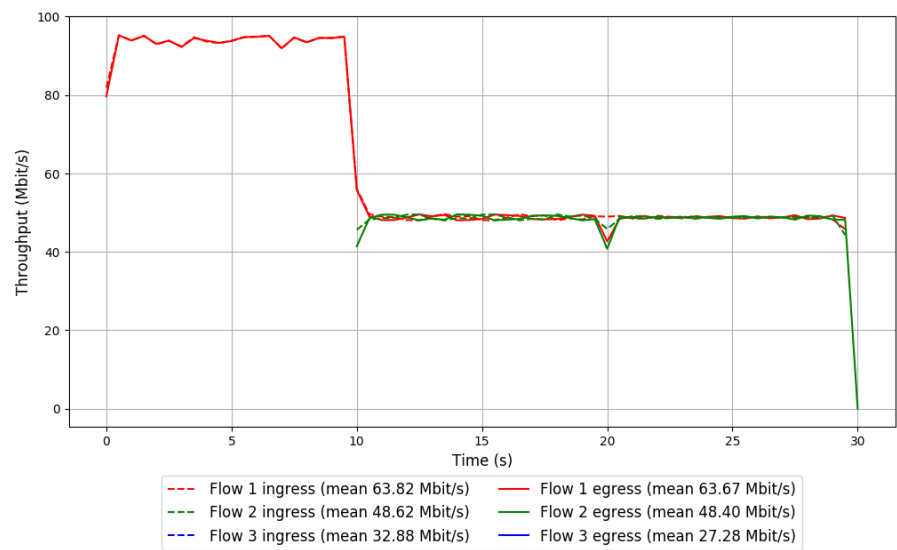
-- Flow 3:

Average throughput: 27.28 Mbit/s

95th percentile per-packet one-way delay: 50.106 ms

Loss rate: 30.33%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:22:54 +0000

End at: Sun, 09 Jul 2017 21:23:24 +0000

Local clock offset: -2.943 ms

Remote clock offset: -19.283 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 36.428 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 36.417 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 47.92 Mbit/s

95th percentile per-packet one-way delay: 36.438 ms

Loss rate: 0.59%

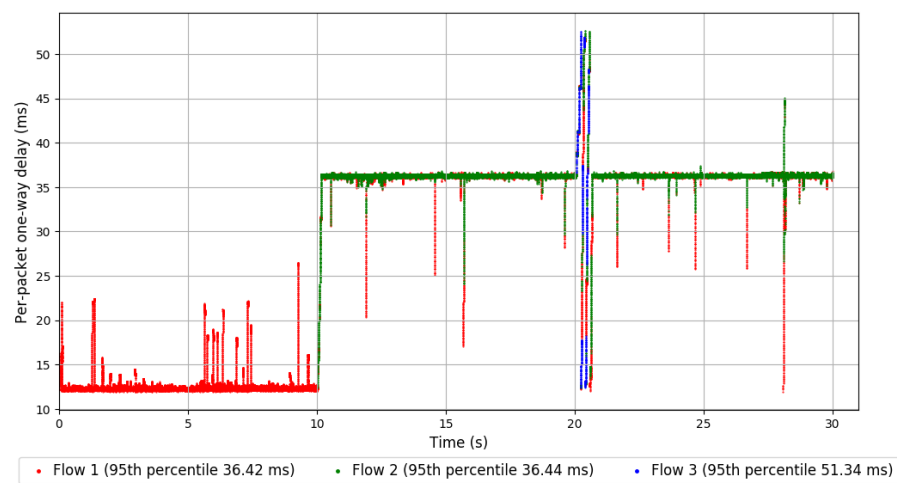
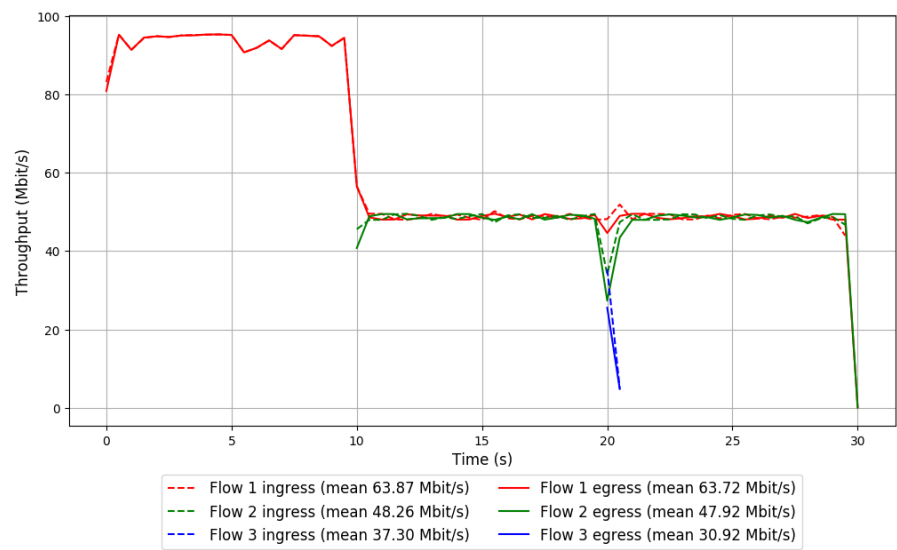
-- Flow 3:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 51.344 ms

Loss rate: 24.70%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:40:59 +0000

End at: Sun, 09 Jul 2017 21:41:29 +0000

Local clock offset: -2.266 ms

Remote clock offset: -20.495 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 36.248 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 297.77 Mbit/s

95th percentile per-packet one-way delay: 2346.727 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.31 Mbit/s

95th percentile per-packet one-way delay: 36.241 ms

Loss rate: 0.00%

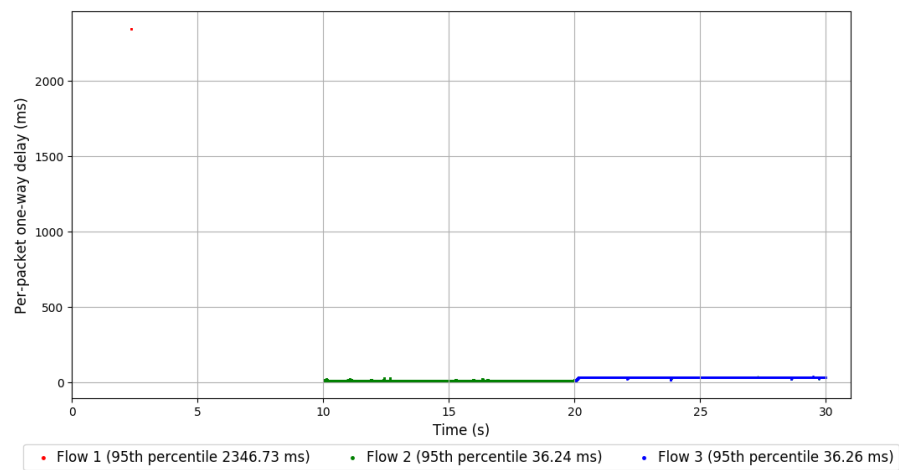
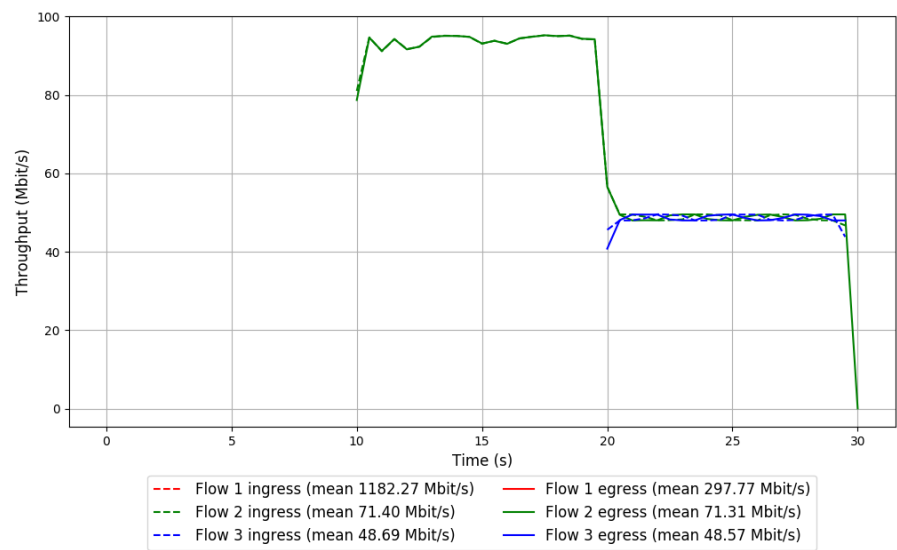
-- Flow 3:

Average throughput: 48.57 Mbit/s

95th percentile per-packet one-way delay: 36.256 ms

Loss rate: 0.00%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:58:52 +0000

End at: Sun, 09 Jul 2017 21:59:22 +0000

Local clock offset: -1.038 ms

Remote clock offset: -19.183 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 35.697 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 35.689 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 48.00 Mbit/s

95th percentile per-packet one-way delay: 35.705 ms

Loss rate: 0.76%

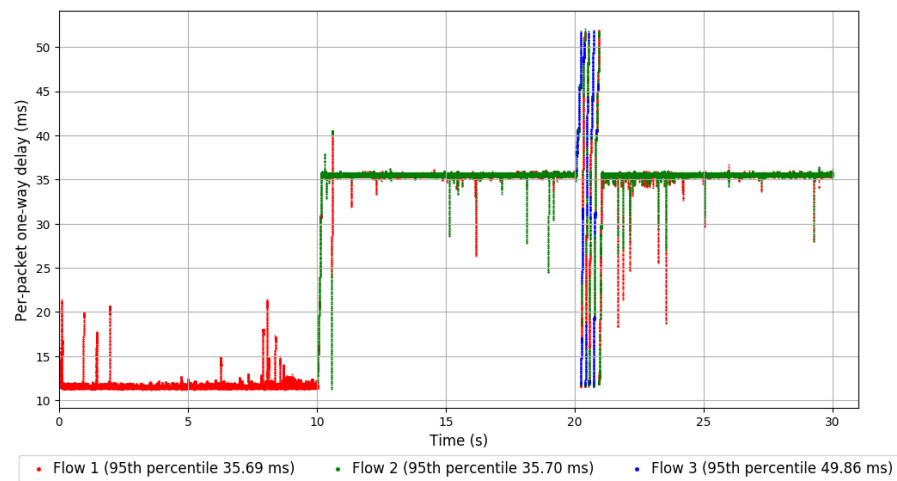
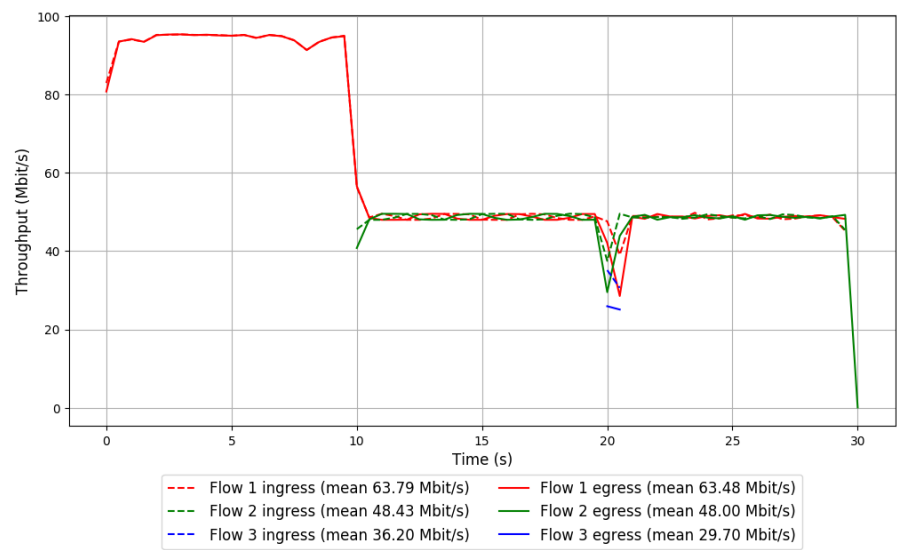
-- Flow 3:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 49.863 ms

Loss rate: 22.45%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:16:46 +0000

End at: Sun, 09 Jul 2017 22:17:16 +0000

Local clock offset: -0.172 ms

Remote clock offset: -15.256 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 35.082 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 63.31 Mbit/s

95th percentile per-packet one-way delay: 35.070 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 35.093 ms

Loss rate: 0.25%

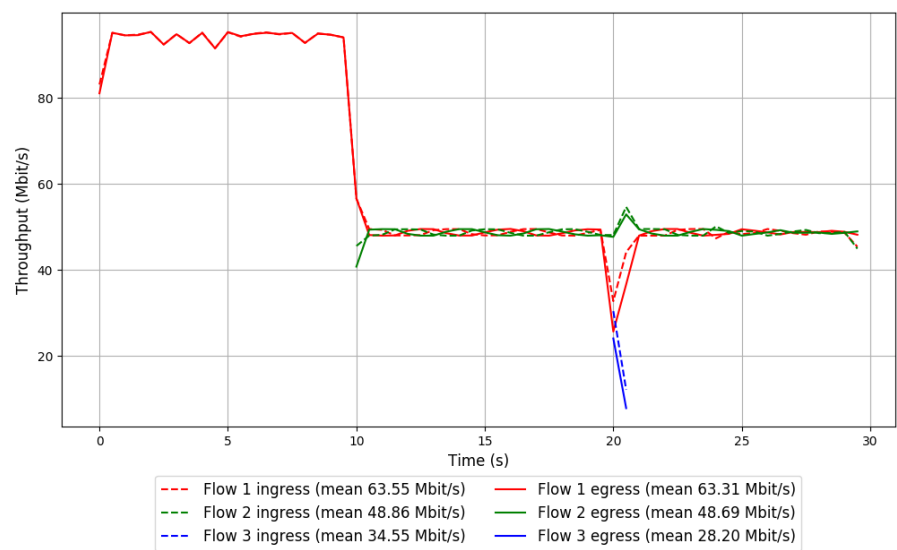
-- Flow 3:

Average throughput: 28.20 Mbit/s

95th percentile per-packet one-way delay: 50.412 ms

Loss rate: 24.87%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:34:38 +0000

End at: Sun, 09 Jul 2017 22:35:08 +0000

Local clock offset: -1.483 ms

Remote clock offset: -14.374 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 34.513 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 70.56 Mbit/s

95th percentile per-packet one-way delay: 34.498 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 34.523 ms

Loss rate: 0.53%

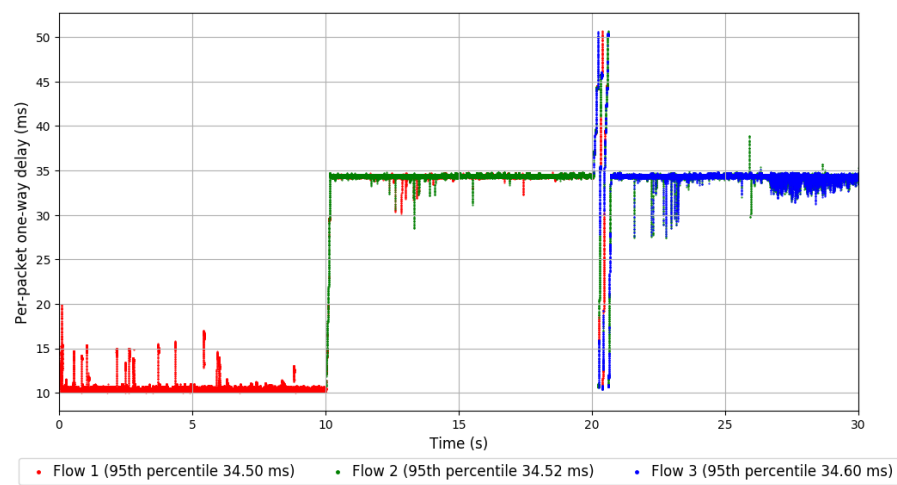
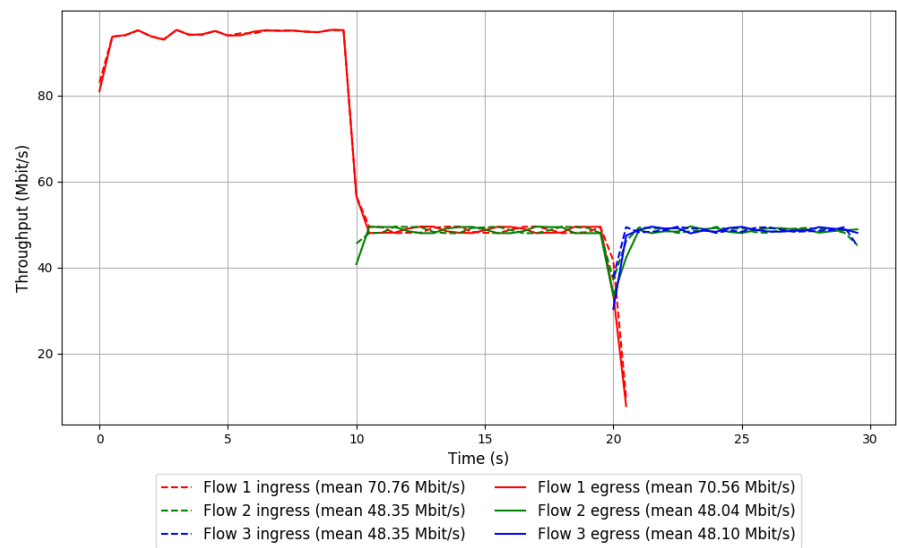
-- Flow 3:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 34.597 ms

Loss rate: 0.50%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:52:28 +0000

End at: Sun, 09 Jul 2017 22:52:58 +0000

Local clock offset: -0.795 ms

Remote clock offset: -18.12 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 35.014 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 63.62 Mbit/s

95th percentile per-packet one-way delay: 35.009 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 47.80 Mbit/s

95th percentile per-packet one-way delay: 35.017 ms

Loss rate: 0.87%

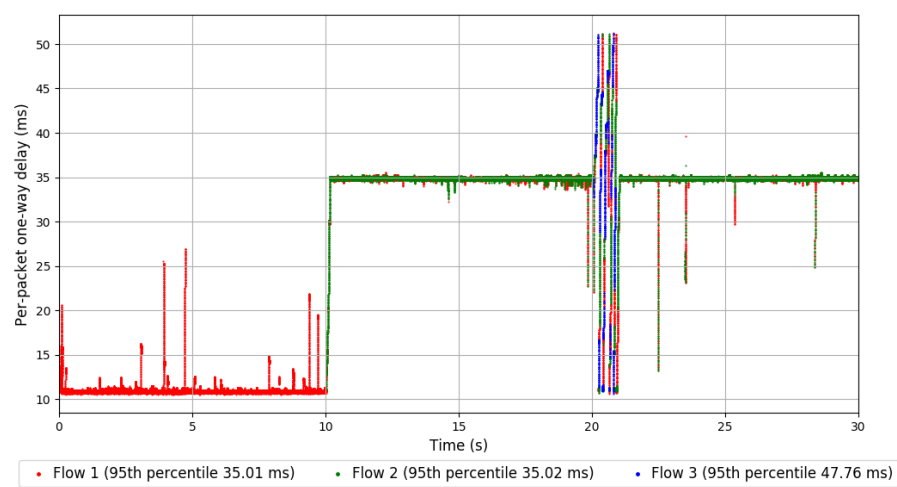
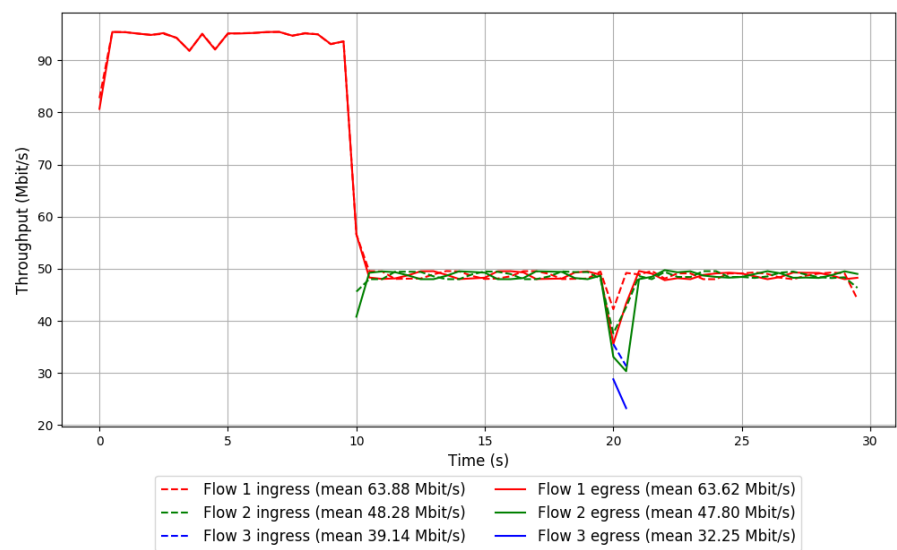
-- Flow 3:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 47.763 ms

Loss rate: 22.15%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 19:58:11 +0000

End at: Sun, 09 Jul 2017 19:58:41 +0000

Local clock offset: -1.829 ms

Remote clock offset: -17.541 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.709 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.676 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.729 ms

Loss rate: 0.00%

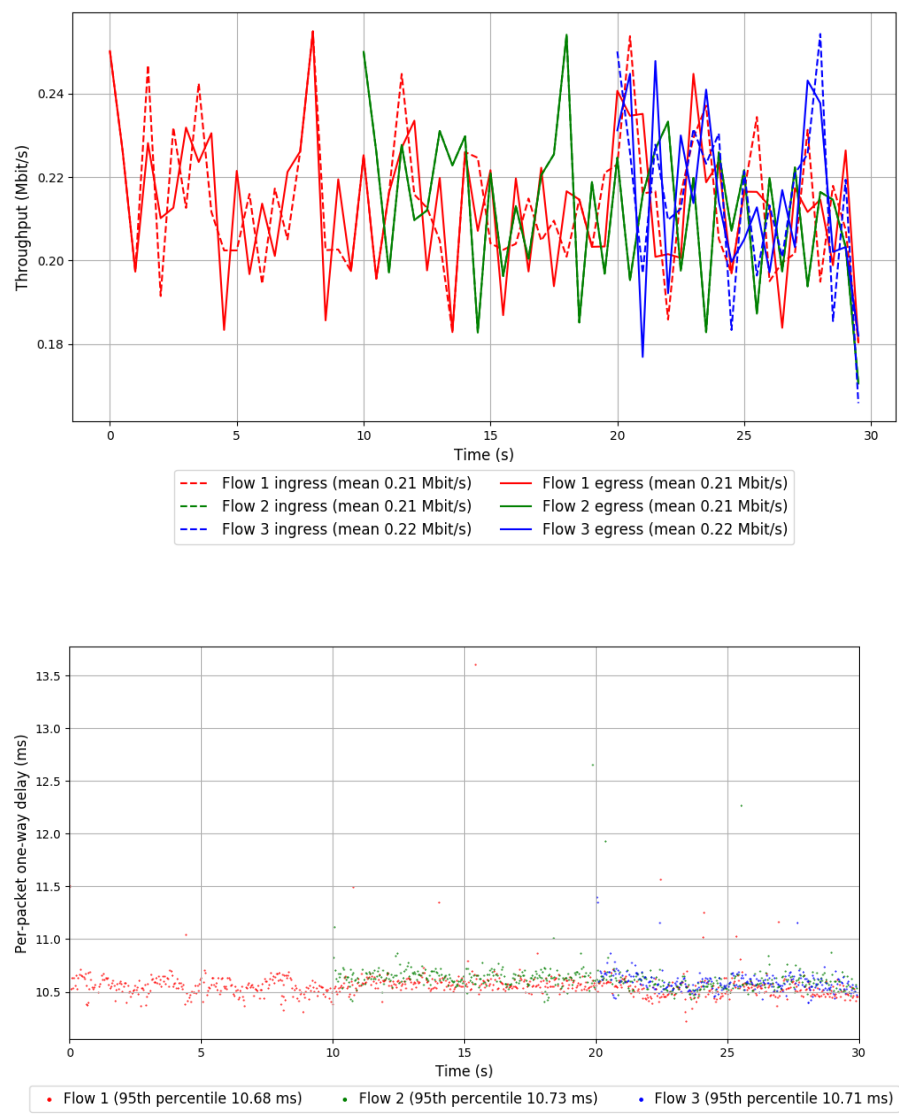
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.706 ms

Loss rate: 0.00%

Run 1: Report of SCRaM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:16:03 +0000

End at: Sun, 09 Jul 2017 20:16:33 +0000

Local clock offset: -2.824 ms

Remote clock offset: -16.799 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.239 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.247 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.177 ms

Loss rate: 0.00%

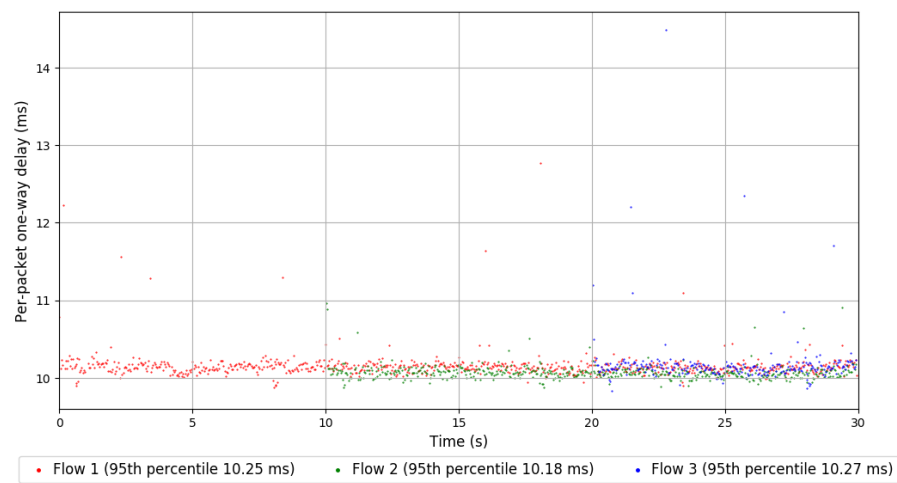
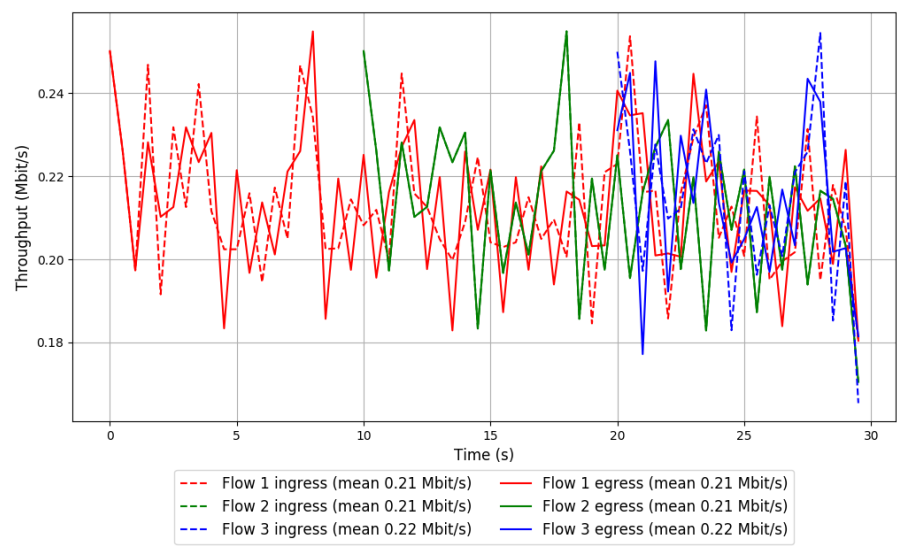
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.273 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:33:57 +0000

End at: Sun, 09 Jul 2017 20:34:27 +0000

Local clock offset: -1.514 ms

Remote clock offset: -19.443 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 11.584 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.575 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.584 ms

Loss rate: 0.00%

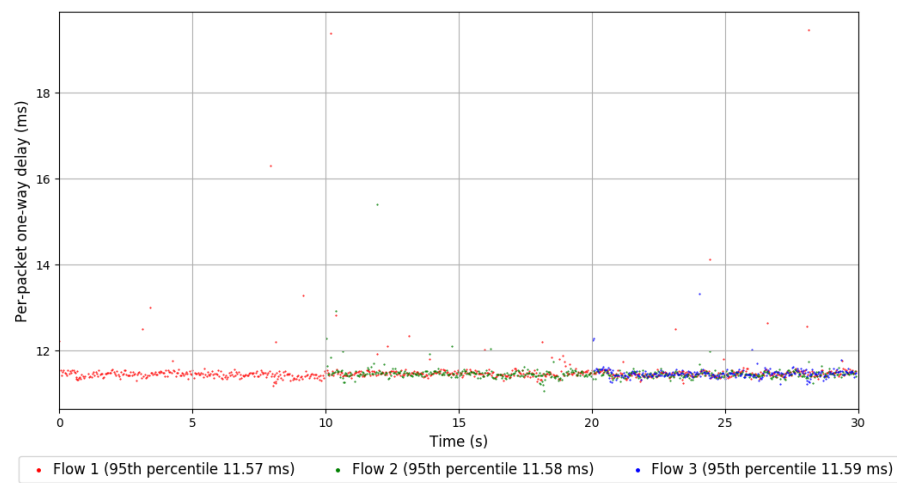
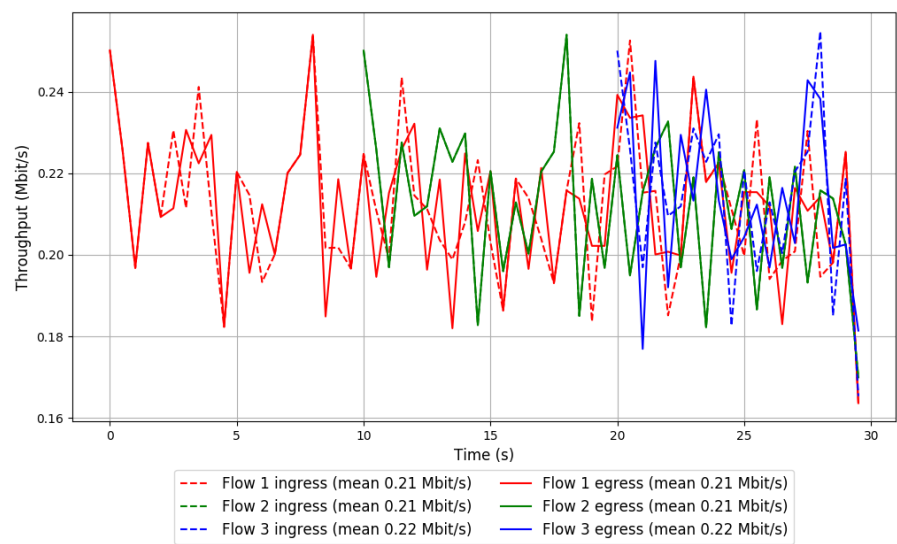
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 11.589 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:51:56 +0000

End at: Sun, 09 Jul 2017 20:52:26 +0000

Local clock offset: -0.43 ms

Remote clock offset: -20.01 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 11.394 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.371 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.401 ms

Loss rate: 0.00%

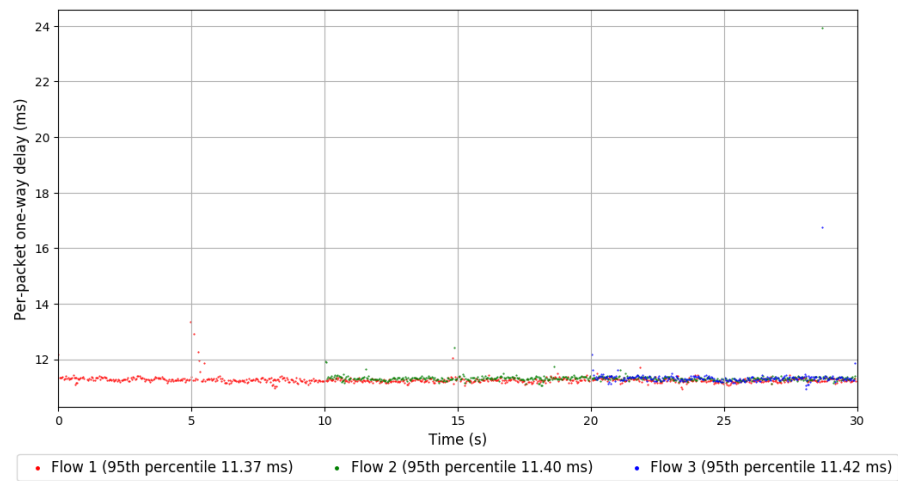
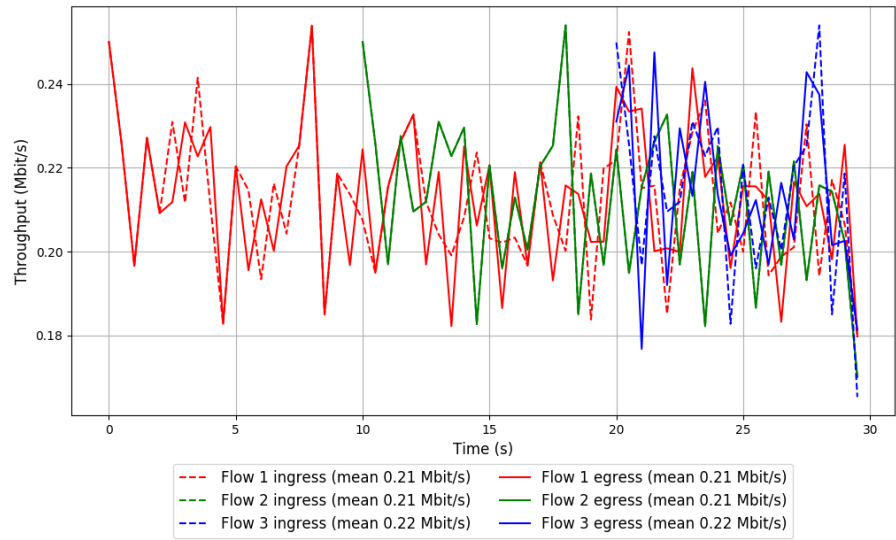
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 11.422 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:09:51 +0000

End at: Sun, 09 Jul 2017 21:10:21 +0000

Local clock offset: -1.422 ms

Remote clock offset: -18.174 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 11.661 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.628 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.675 ms

Loss rate: 0.00%

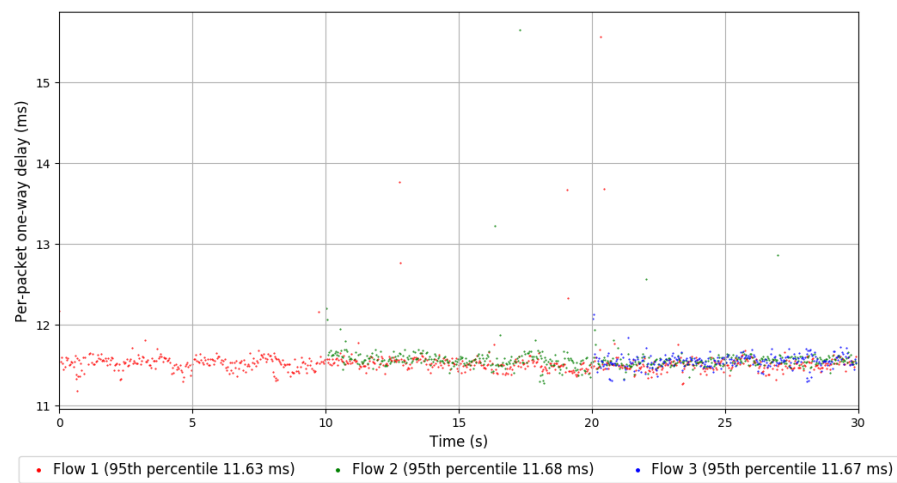
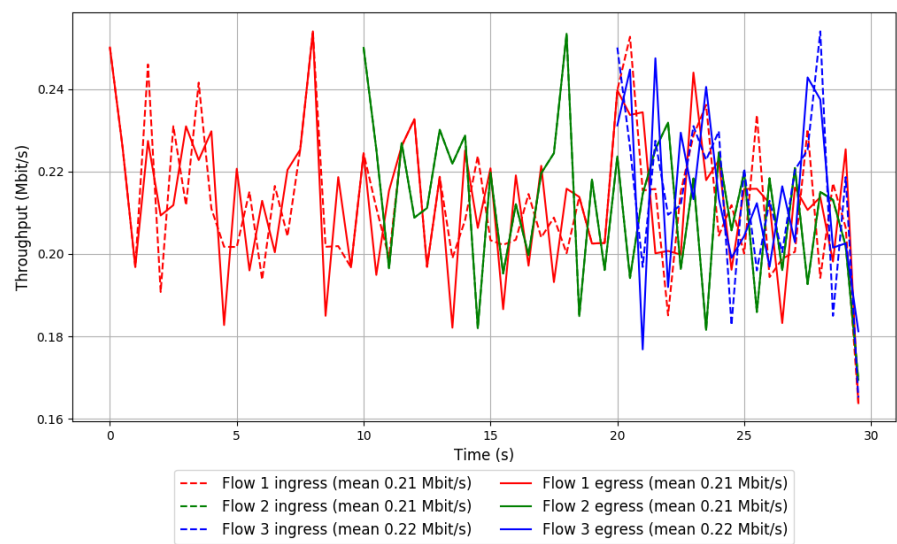
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 11.674 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: Sun, 09 Jul 2017 21:27:45 +0000

End at: Sun, 09 Jul 2017 21:28:15 +0000

Local clock offset: -2.108 ms

Remote clock offset: -19.589 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 12.442 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.453 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.429 ms

Loss rate: 0.00%

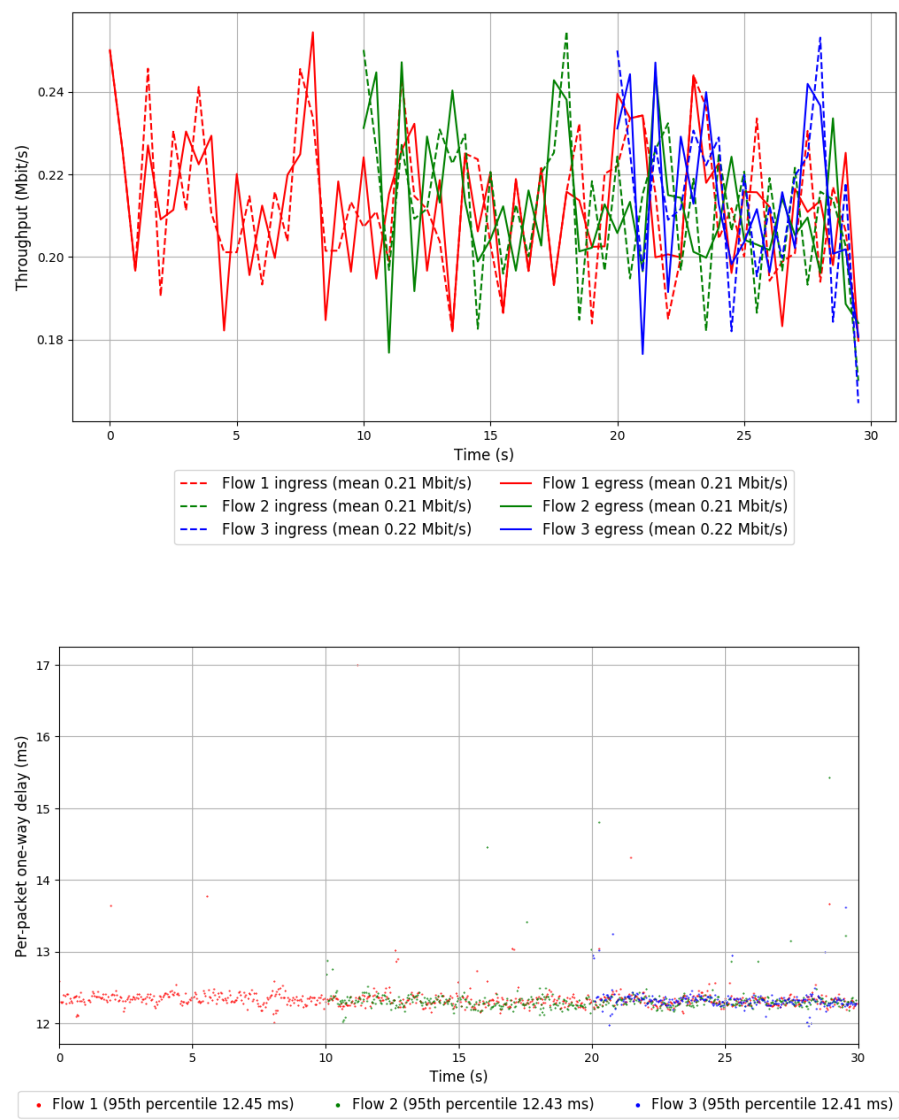
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.411 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 21:45:44 +0000

End at: Sun, 09 Jul 2017 21:46:14 +0000

Local clock offset: -1.927 ms

Remote clock offset: -18.551 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 11.751 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.763 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.731 ms

Loss rate: 0.00%

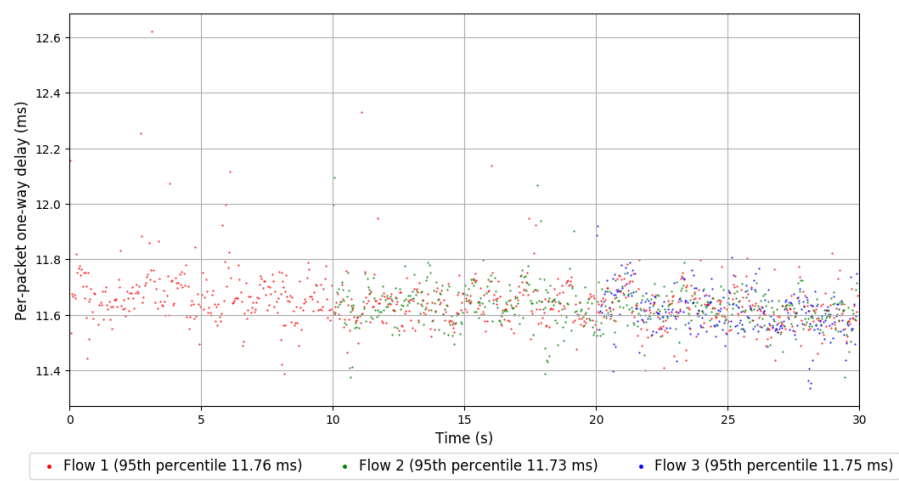
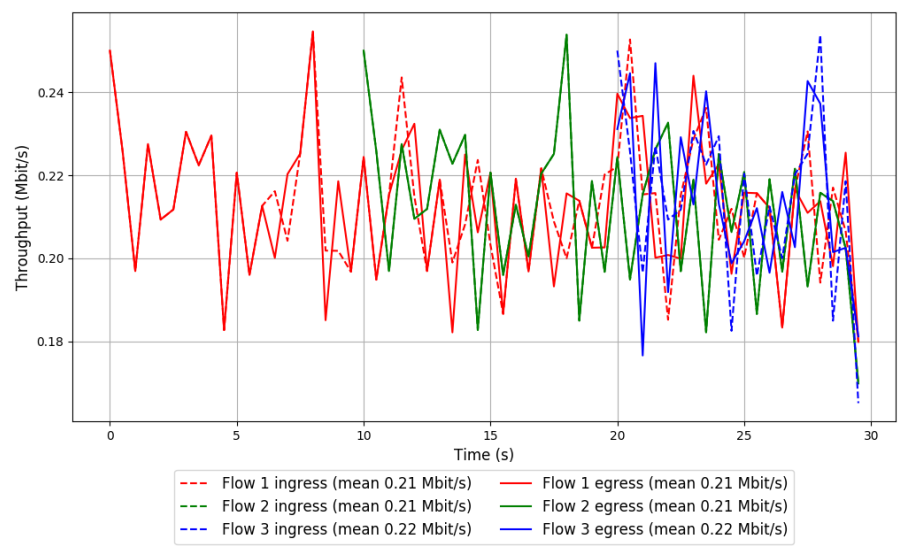
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 11.746 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:03:43 +0000

End at: Sun, 09 Jul 2017 22:04:13 +0000

Local clock offset: -2.525 ms

Remote clock offset: -17.684 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 11.526 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.529 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.527 ms

Loss rate: 0.00%

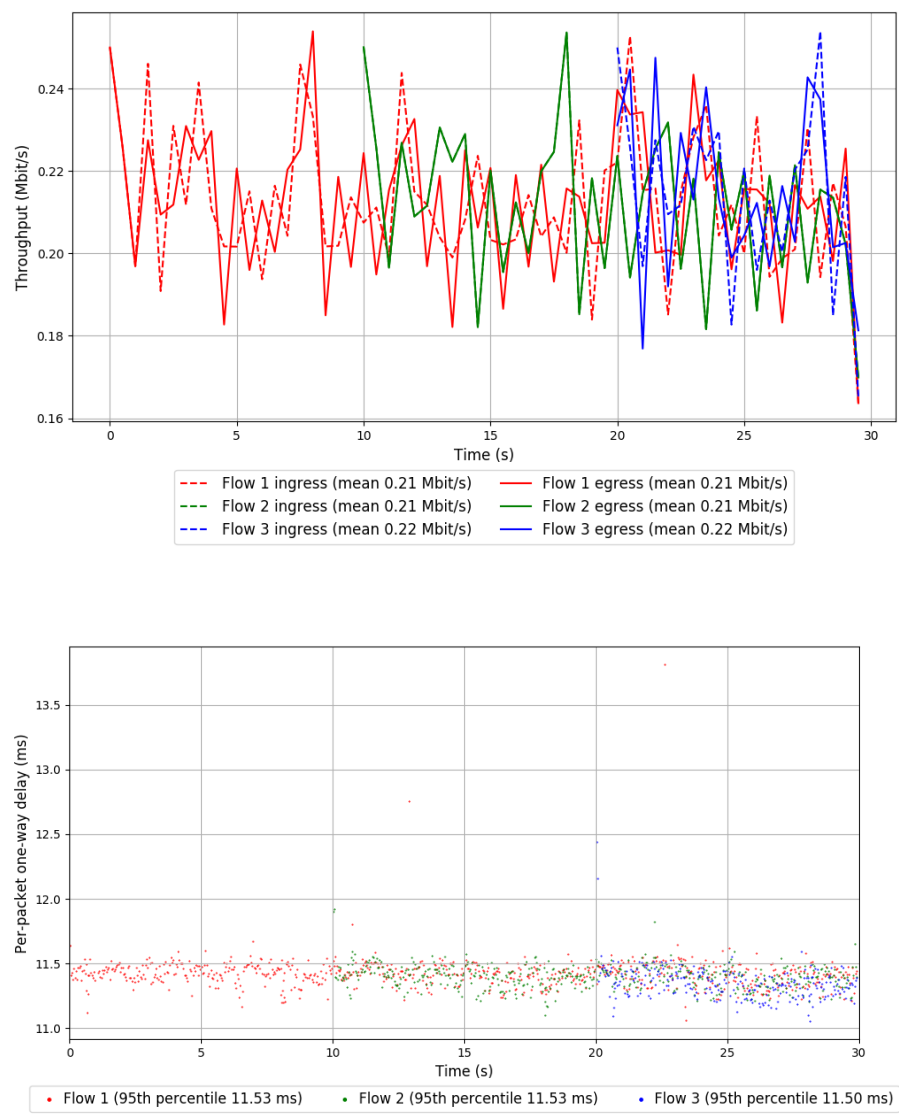
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 11.504 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:21:37 +0000

End at: Sun, 09 Jul 2017 22:22:07 +0000

Local clock offset: -1.593 ms

Remote clock offset: -16.893 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.530 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.537 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: 0.00%

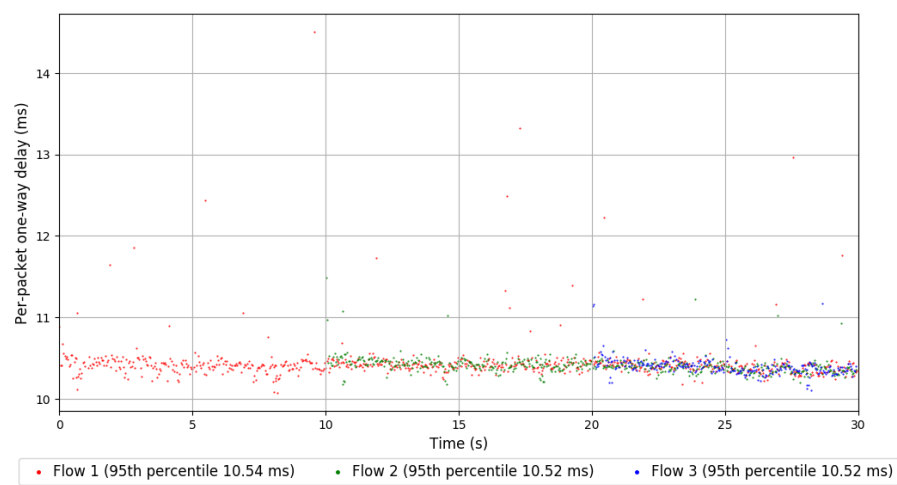
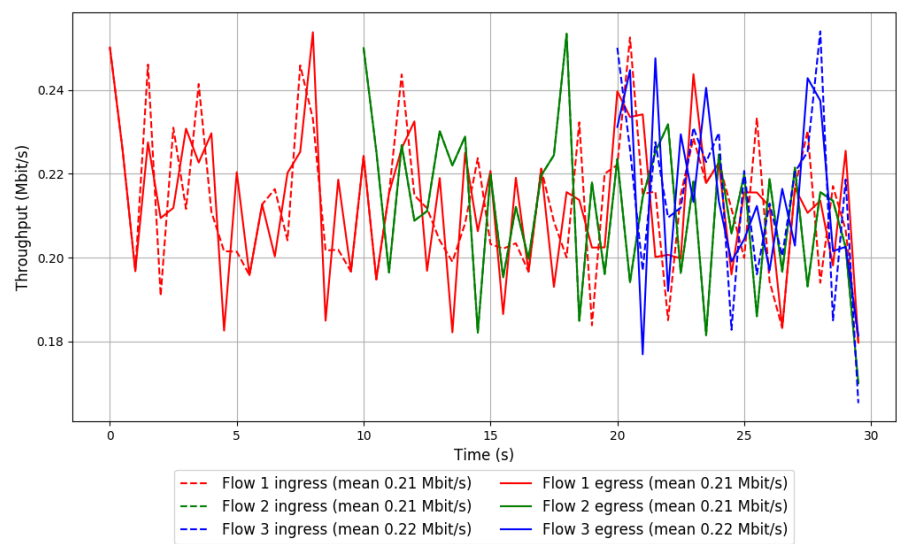
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.524 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 22:39:28 +0000

End at: Sun, 09 Jul 2017 22:39:58 +0000

Local clock offset: -1.044 ms

Remote clock offset: -15.414 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.525 ms

Loss rate: 0.00%

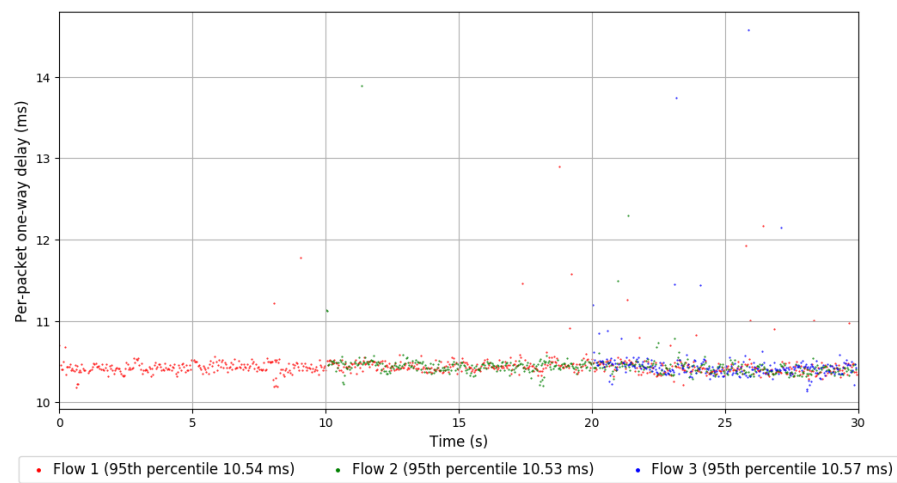
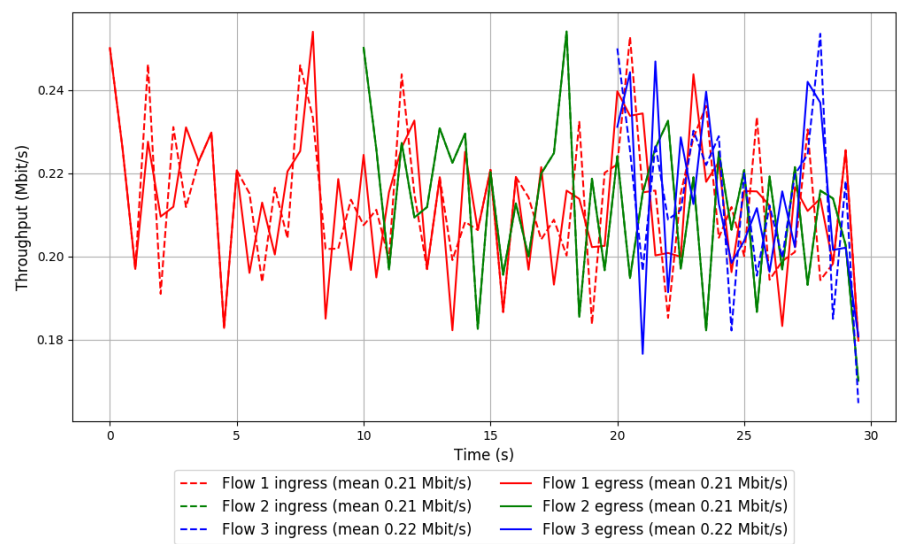
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.570 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:05:17 +0000

End at: Sun, 09 Jul 2017 20:05:47 +0000

Local clock offset: 0.42 ms

Remote clock offset: -17.338 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.84 Mbit/s

95th percentile per-packet one-way delay: 20.926 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 20.722 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 21.520 ms

Loss rate: 0.00%

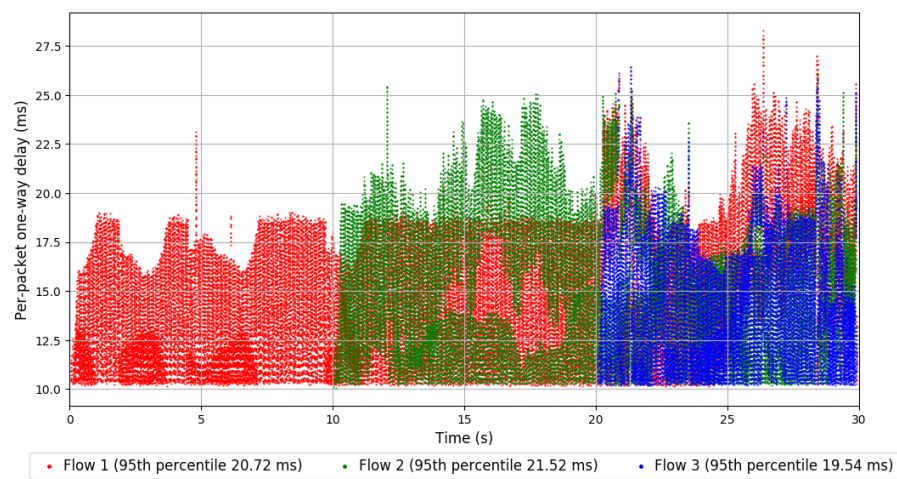
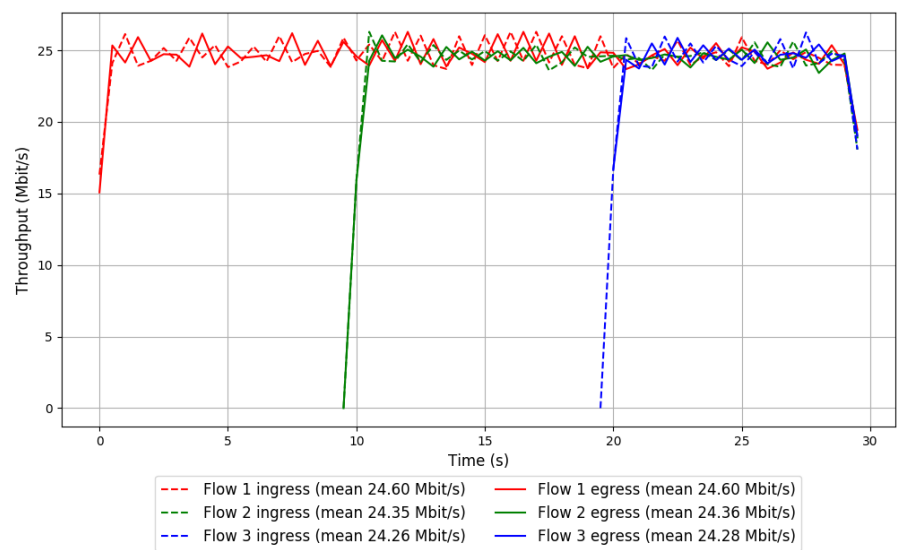
-- Flow 3:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 19.542 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:23:12 +0000

End at: Sun, 09 Jul 2017 20:23:42 +0000

Local clock offset: -0.184 ms

Remote clock offset: -18.912 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 19.869 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 18.691 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 20.767 ms

Loss rate: 0.00%

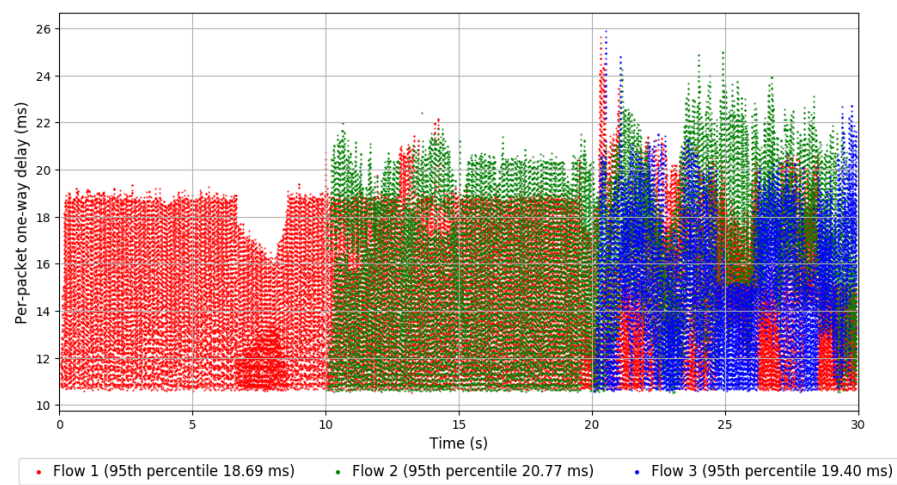
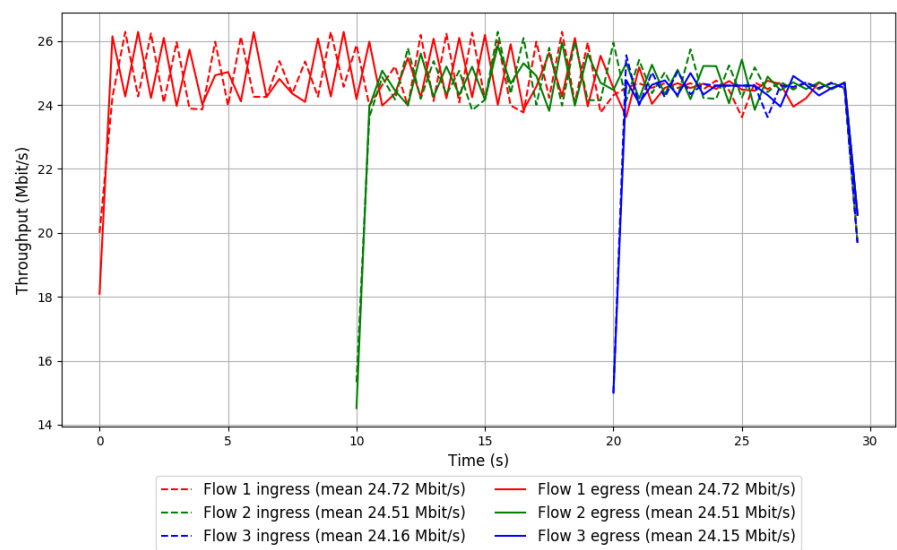
-- Flow 3:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 19.398 ms

Loss rate: 0.01%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:41:05 +0000

End at: Sun, 09 Jul 2017 20:41:35 +0000

Local clock offset: -3.072 ms

Remote clock offset: -19.648 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.05 Mbit/s

95th percentile per-packet one-way delay: 21.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 20.786 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.52 Mbit/s

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

Loss rate: 0.00%

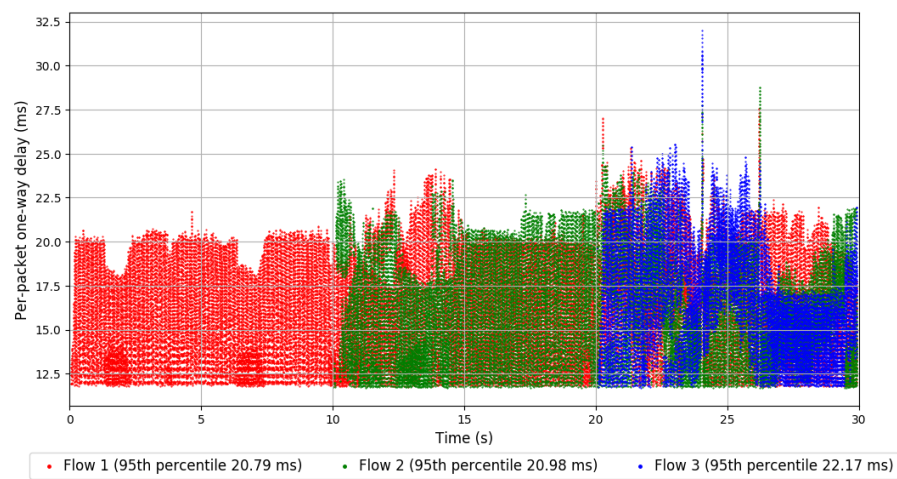
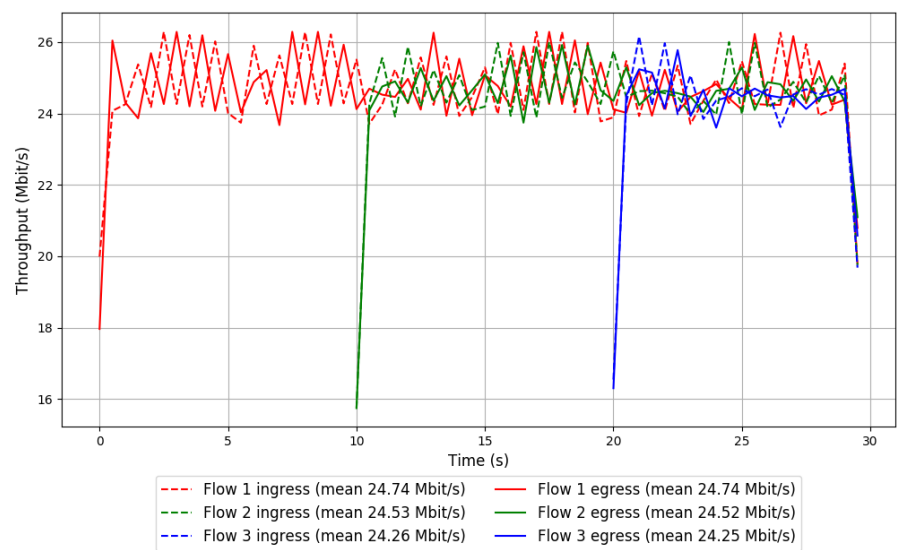
-- Flow 3:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 22.169 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:58:59 +0000

End at: Sun, 09 Jul 2017 20:59:29 +0000

Local clock offset: 0.625 ms

Remote clock offset: -19.846 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 21.246 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 21.479 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 20.599 ms

Loss rate: 0.00%

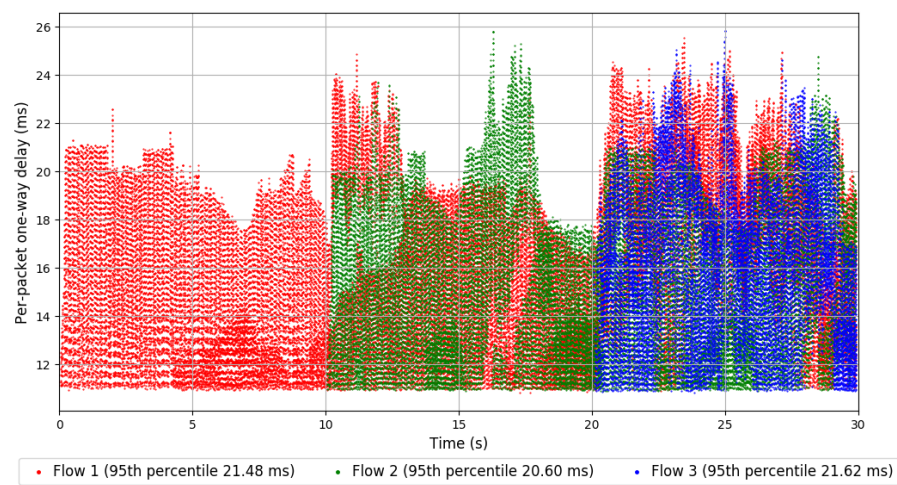
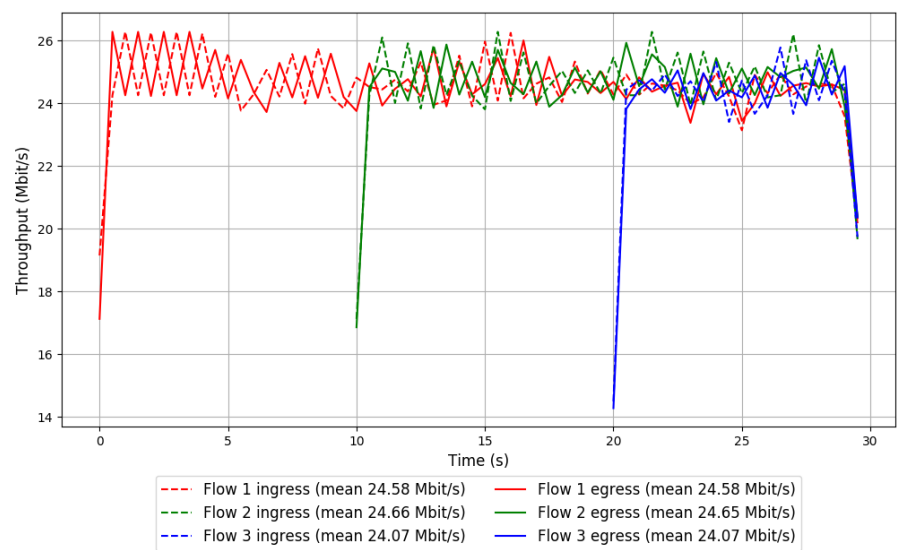
-- Flow 3:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 21.620 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:16:59 +0000

End at: Sun, 09 Jul 2017 21:17:29 +0000

Local clock offset: -0.736 ms

Remote clock offset: -18.63 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:36:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.13 Mbit/s

95th percentile per-packet one-way delay: 20.873 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 20.566 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 19.906 ms

Loss rate: 0.00%

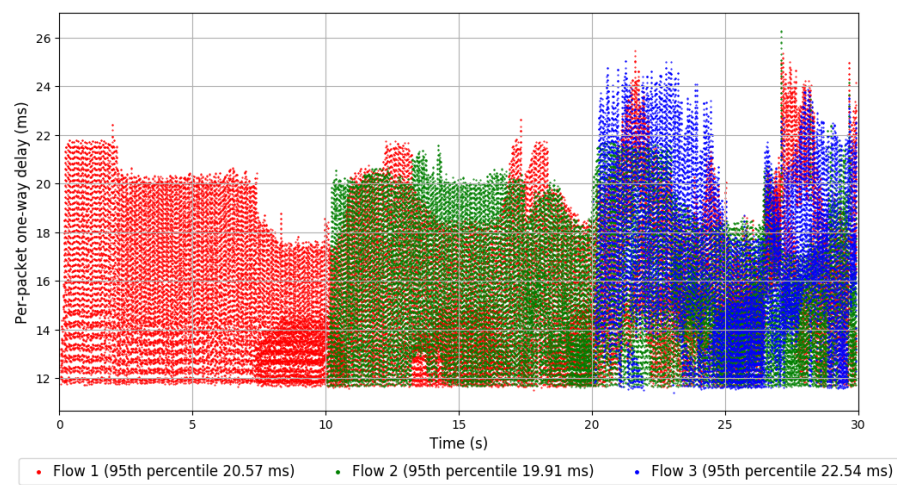
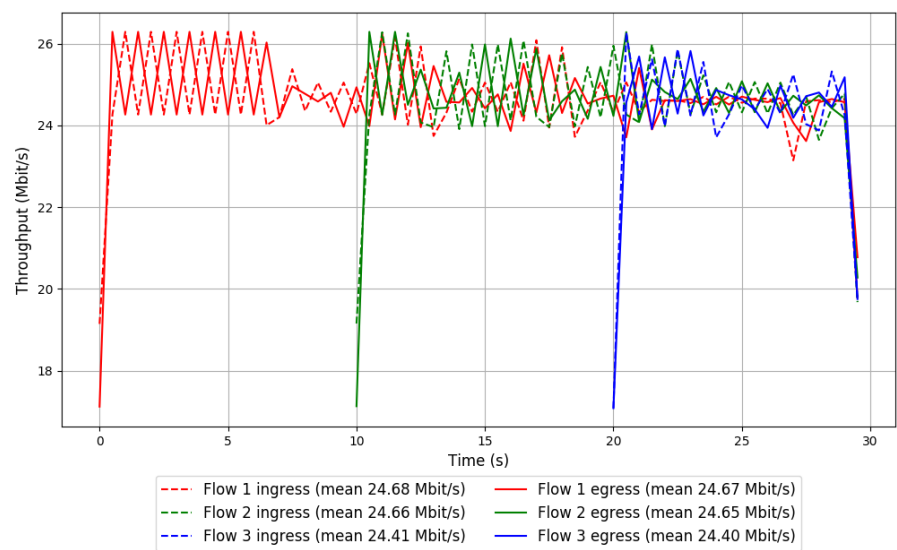
-- Flow 3:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 22.538 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:34:57 +0000

End at: Sun, 09 Jul 2017 21:35:27 +0000

Local clock offset: -0.629 ms

Remote clock offset: -20.37 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 21.874 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: 21.811 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 22.063 ms

Loss rate: 0.00%

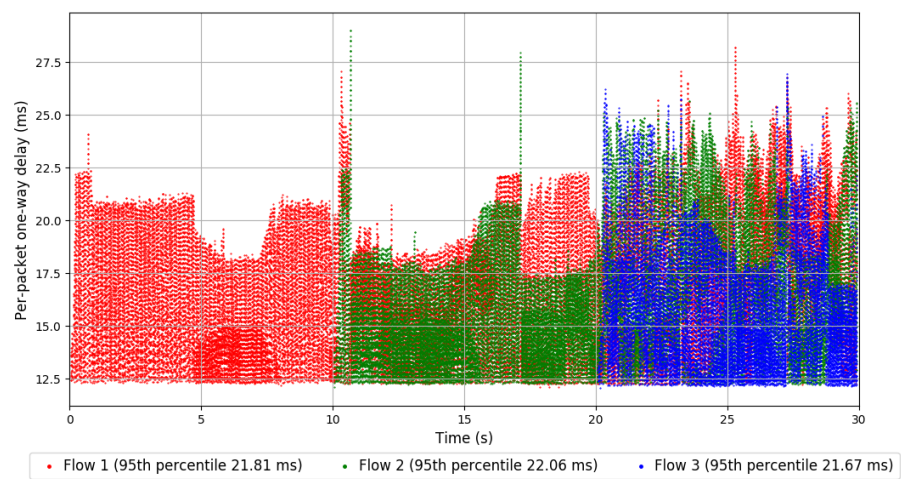
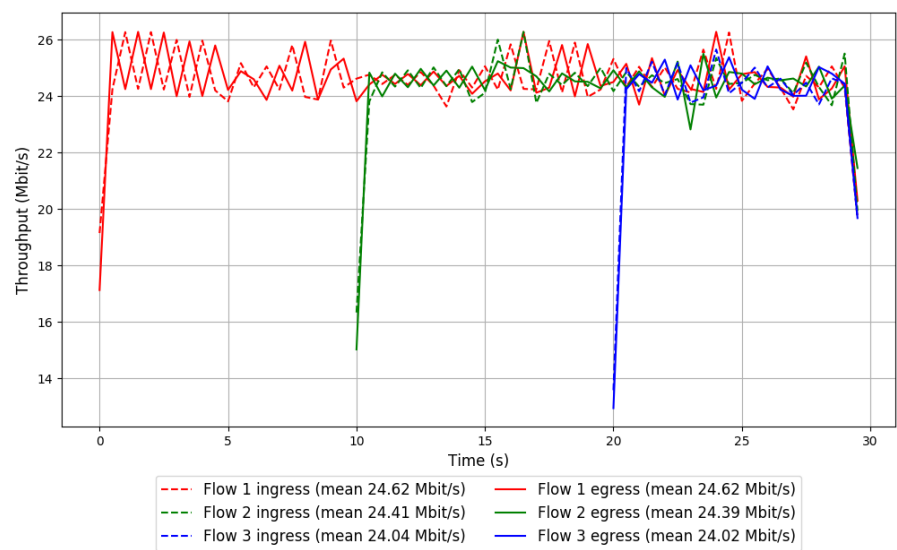
-- Flow 3:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 21.671 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:52:50 +0000

End at: Sun, 09 Jul 2017 21:53:20 +0000

Local clock offset: -2.557 ms

Remote clock offset: -18.496 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:37:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 20.594 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 20.427 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 20.815 ms

Loss rate: 0.05%

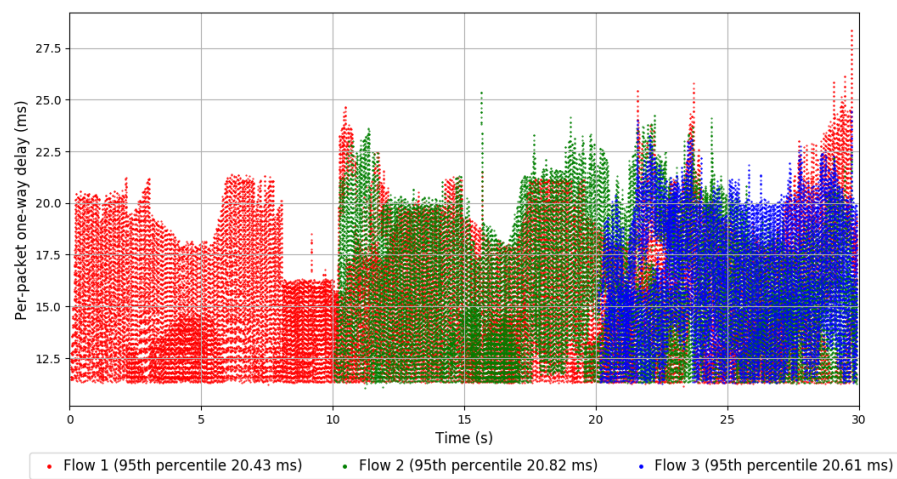
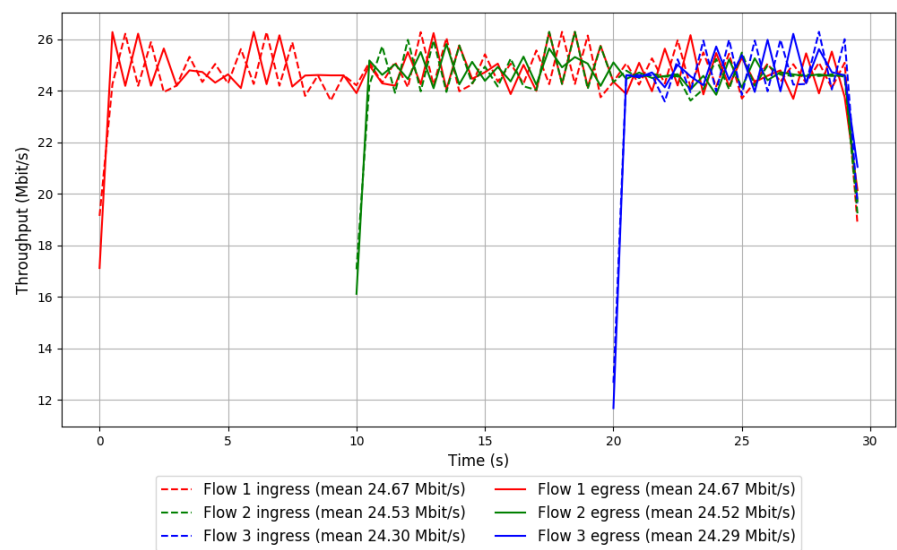
-- Flow 3:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 20.610 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:10:49 +0000

End at: Sun, 09 Jul 2017 22:11:19 +0000

Local clock offset: -1.956 ms

Remote clock offset: -18.523 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 19.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 19.521 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 19.172 ms

Loss rate: 0.00%

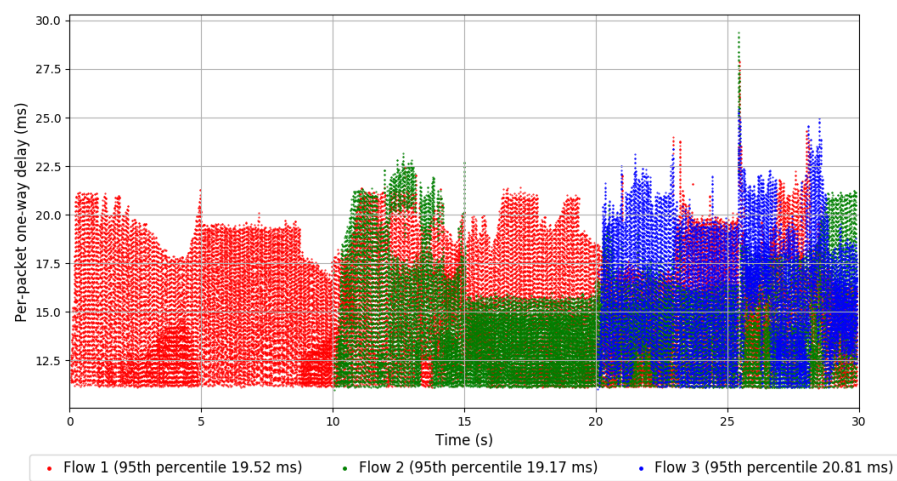
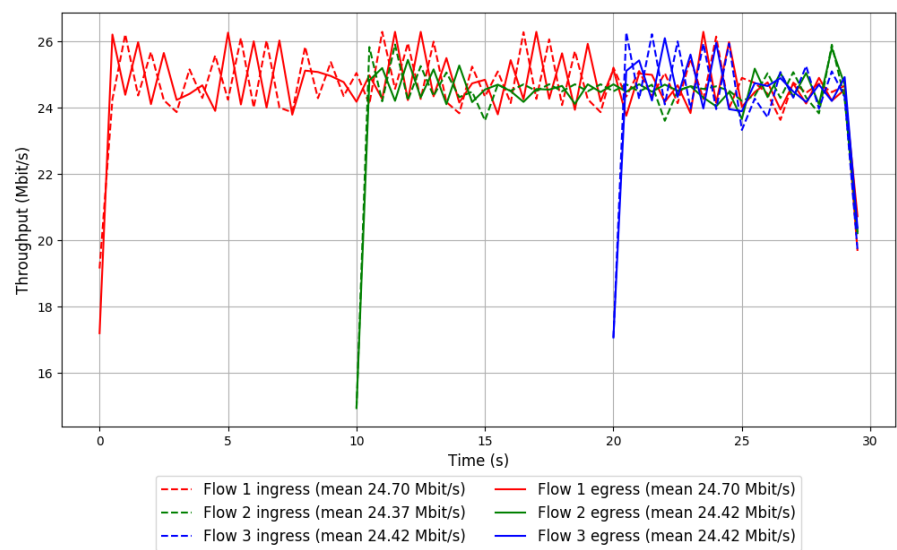
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 20.811 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:28:39 +0000

End at: Sun, 09 Jul 2017 22:29:09 +0000

Local clock offset: 1.602 ms

Remote clock offset: -16.927 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:37:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 18.725 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 18.906 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 18.417 ms

Loss rate: 0.00%

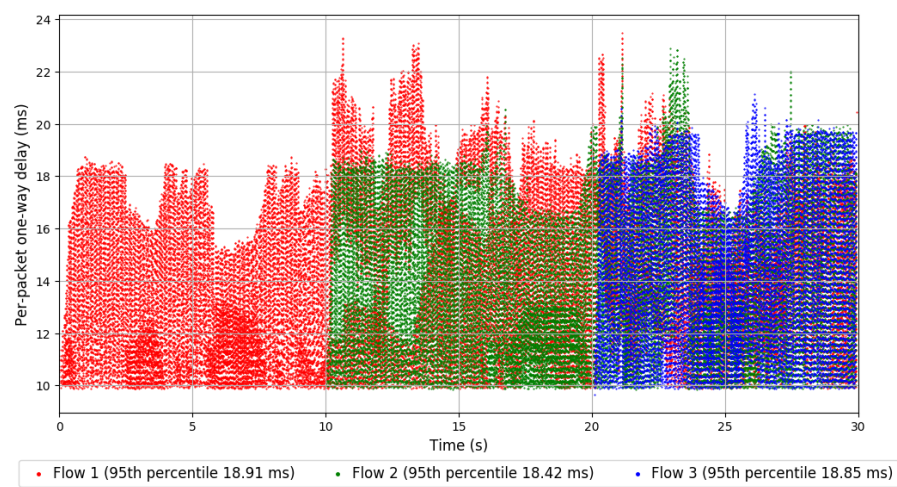
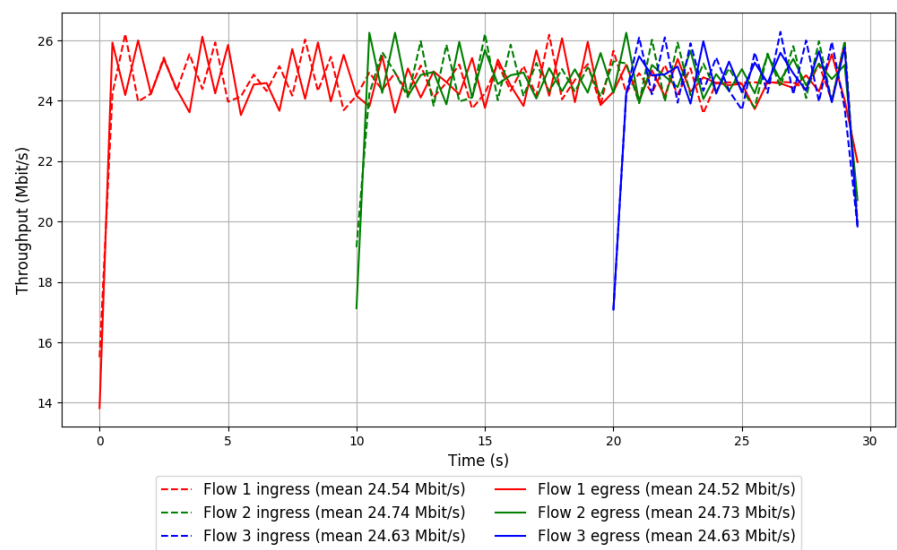
-- Flow 3:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 18.847 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:46:28 +0000

End at: Sun, 09 Jul 2017 22:46:58 +0000

Local clock offset: 0.728 ms

Remote clock offset: -17.372 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:37:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 19.904 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: 19.950 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 19.710 ms

Loss rate: 0.00%

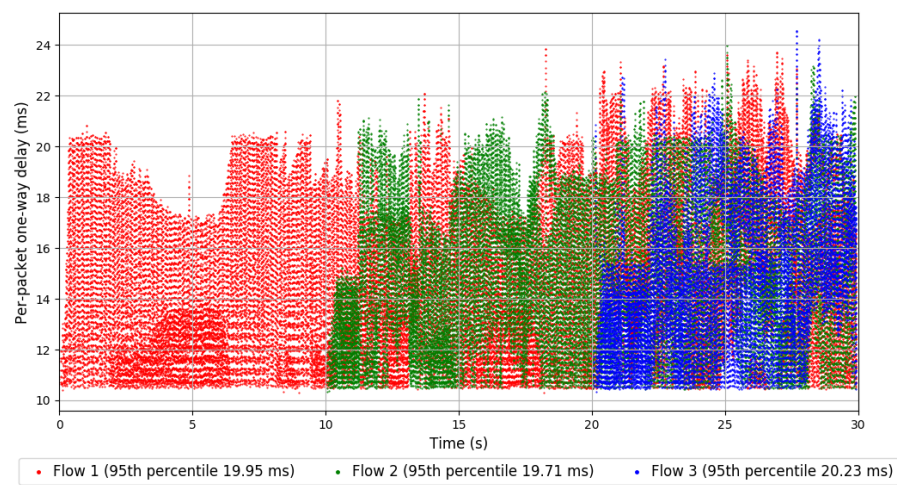
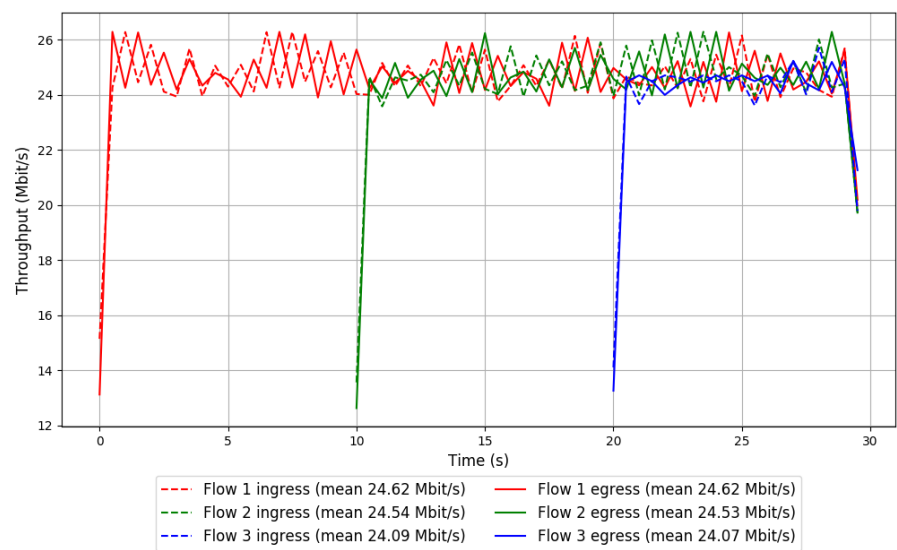
-- Flow 3:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 20.226 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 19:59:16 +0000

End at: Sun, 09 Jul 2017 19:59:46 +0000

Local clock offset: -1.799 ms

Remote clock offset: -17.691 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:37:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 39.432 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 58.40 Mbit/s

95th percentile per-packet one-way delay: 37.628 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 43.85 Mbit/s

95th percentile per-packet one-way delay: 40.713 ms

Loss rate: 2.21%

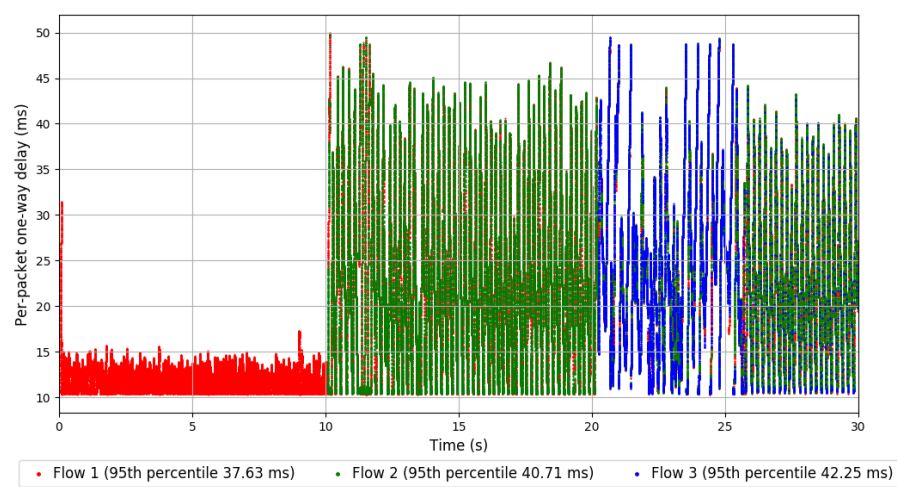
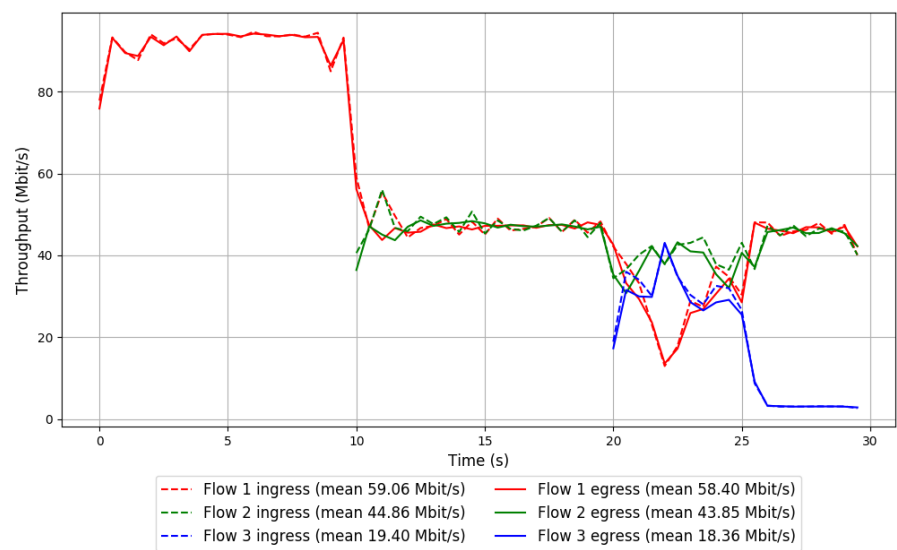
-- Flow 3:

Average throughput: 18.36 Mbit/s

95th percentile per-packet one-way delay: 42.249 ms

Loss rate: 5.45%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:17:08 +0000

End at: Sun, 09 Jul 2017 20:17:38 +0000

Local clock offset: -2.051 ms

Remote clock offset: -17.361 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:37:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.08 Mbit/s

95th percentile per-packet one-way delay: 37.477 ms

Loss rate: 4.51%

-- Flow 1:

Average throughput: 46.95 Mbit/s

95th percentile per-packet one-way delay: 34.819 ms

Loss rate: 3.25%

-- Flow 2:

Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 39.383 ms

Loss rate: 6.75%

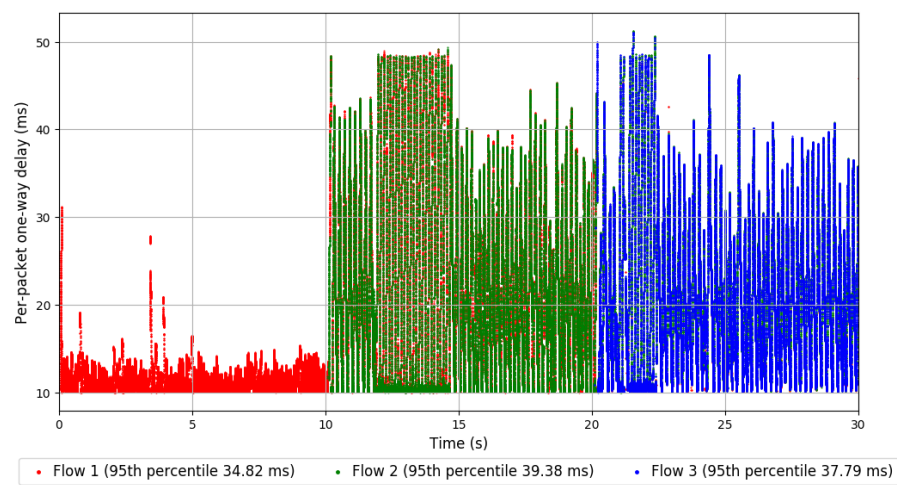
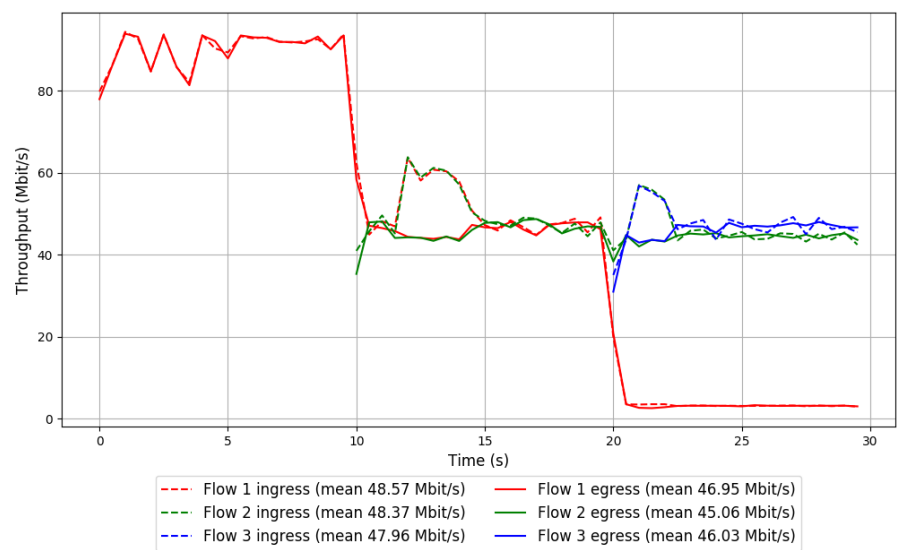
-- Flow 3:

Average throughput: 46.03 Mbit/s

95th percentile per-packet one-way delay: 37.793 ms

Loss rate: 3.83%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:35:02 +0000

End at: Sun, 09 Jul 2017 20:35:32 +0000

Local clock offset: 0.529 ms

Remote clock offset: -19.491 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:37:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 42.769 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 55.21 Mbit/s

95th percentile per-packet one-way delay: 40.749 ms

Loss rate: 2.59%

-- Flow 2:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 44.198 ms

Loss rate: 5.19%

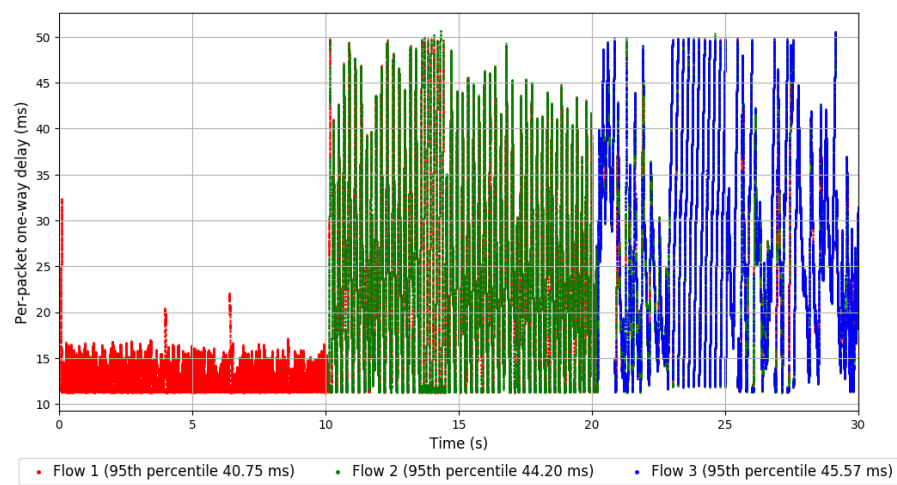
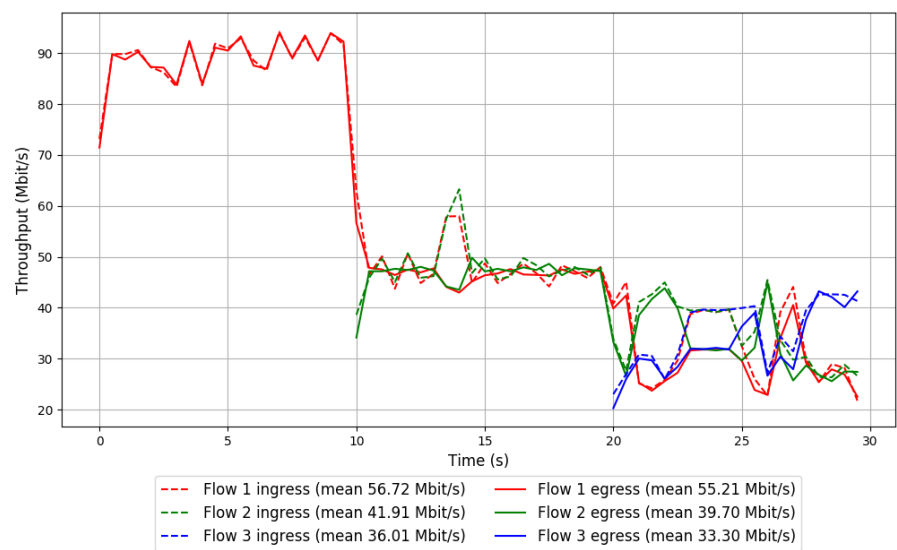
-- Flow 3:

Average throughput: 33.30 Mbit/s

95th percentile per-packet one-way delay: 45.566 ms

Loss rate: 7.49%

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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:53:00 +0000

End at: Sun, 09 Jul 2017 20:53:30 +0000

Local clock offset: -0.447 ms

Remote clock offset: -18.951 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:38:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 40.604 ms

Loss rate: 4.93%

-- Flow 1:

Average throughput: 49.68 Mbit/s

95th percentile per-packet one-way delay: 38.568 ms

Loss rate: 4.18%

-- Flow 2:

Average throughput: 44.08 Mbit/s

95th percentile per-packet one-way delay: 42.219 ms

Loss rate: 6.80%

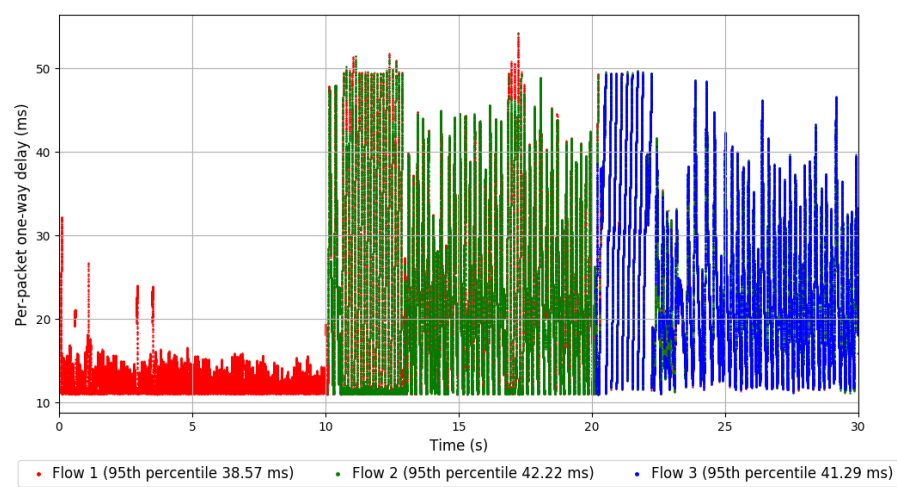
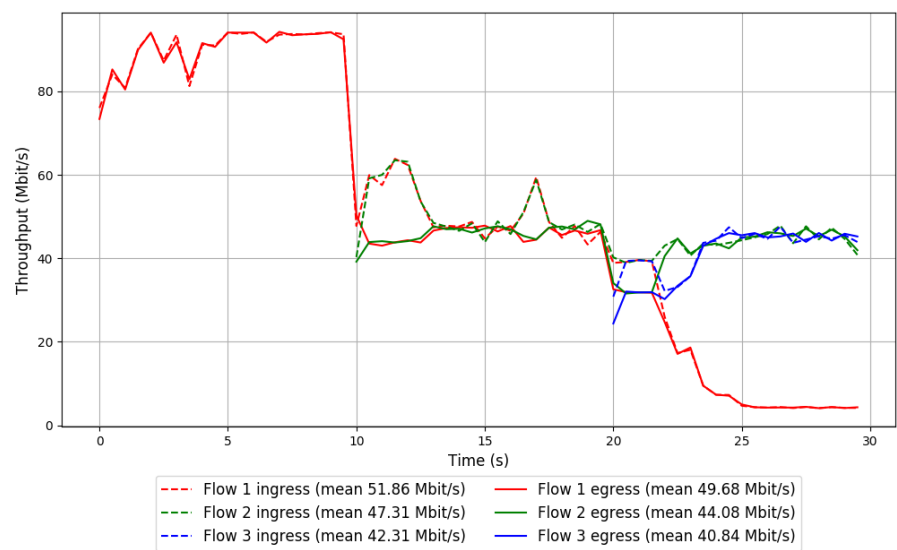
-- Flow 3:

Average throughput: 40.84 Mbit/s

95th percentile per-packet one-way delay: 41.294 ms

Loss rate: 3.54%

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:10:55 +0000

End at: Sun, 09 Jul 2017 21:11:25 +0000

Local clock offset: -3.129 ms

Remote clock offset: -18.197 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:38:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 46.115 ms

Loss rate: 14.41%

-- Flow 1:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 44.049 ms

Loss rate: 10.68%

-- Flow 2:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 47.147 ms

Loss rate: 20.50%

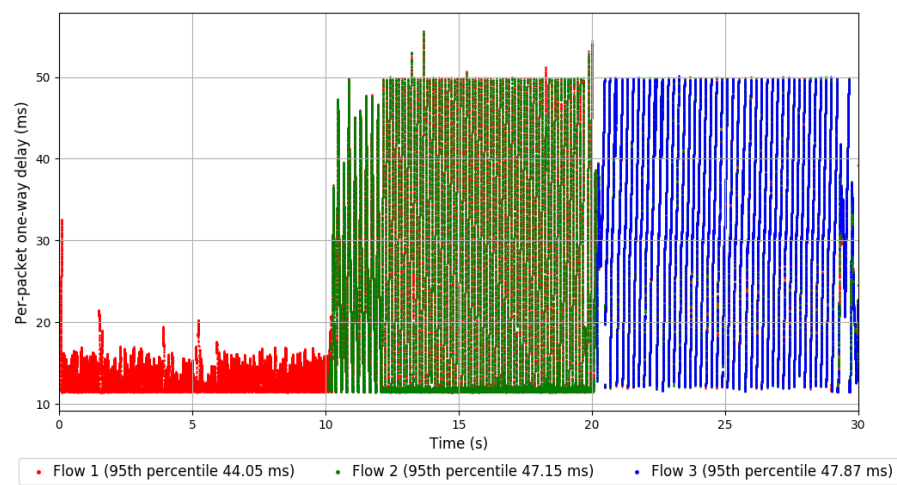
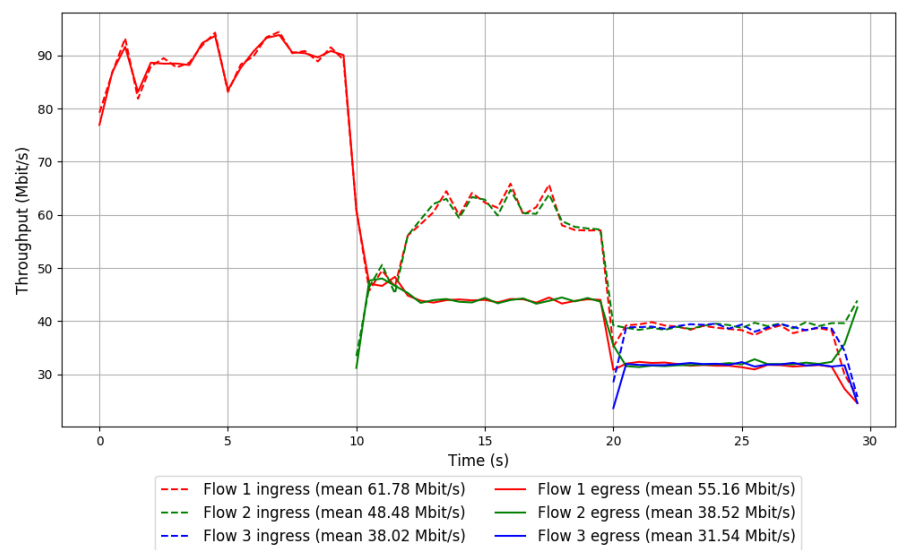
-- Flow 3:

Average throughput: 31.54 Mbit/s

95th percentile per-packet one-way delay: 47.866 ms

Loss rate: 17.16%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:28:50 +0000

End at: Sun, 09 Jul 2017 21:29:20 +0000

Local clock offset: -0.02 ms

Remote clock offset: -19.634 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:38:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 46.457 ms

Loss rate: 11.10%

-- Flow 1:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 44.491 ms

Loss rate: 7.57%

-- Flow 2:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 47.418 ms

Loss rate: 15.35%

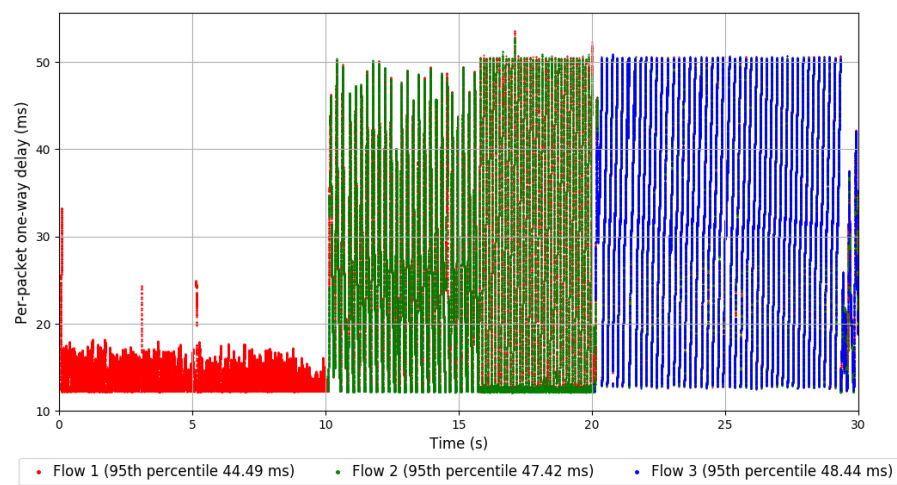
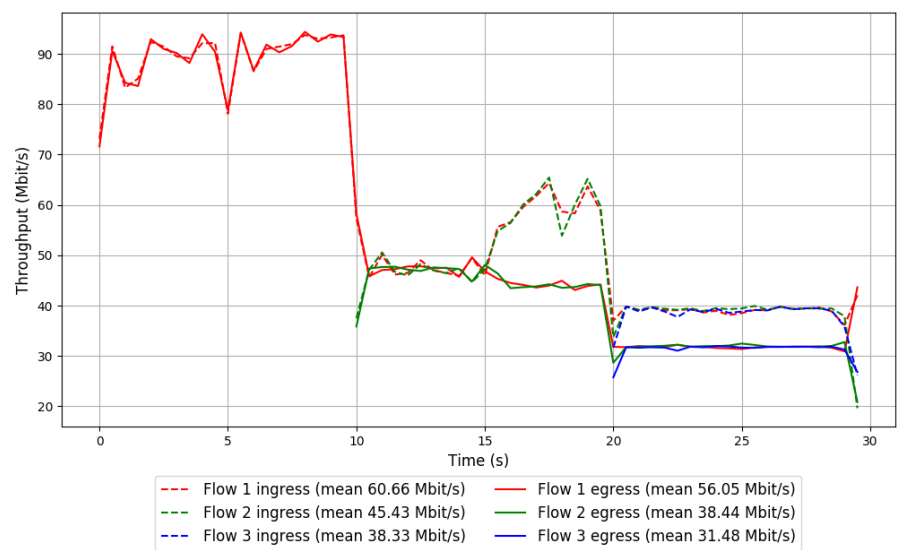
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 48.437 ms

Loss rate: 17.82%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:46:49 +0000

End at: Sun, 09 Jul 2017 21:47:19 +0000

Local clock offset: -4.387 ms

Remote clock offset: -23.797 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:38:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 45.019 ms

Loss rate: 9.69%

-- Flow 1:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 42.608 ms

Loss rate: 6.57%

-- Flow 2:

Average throughput: 38.84 Mbit/s

95th percentile per-packet one-way delay: 46.150 ms

Loss rate: 13.21%

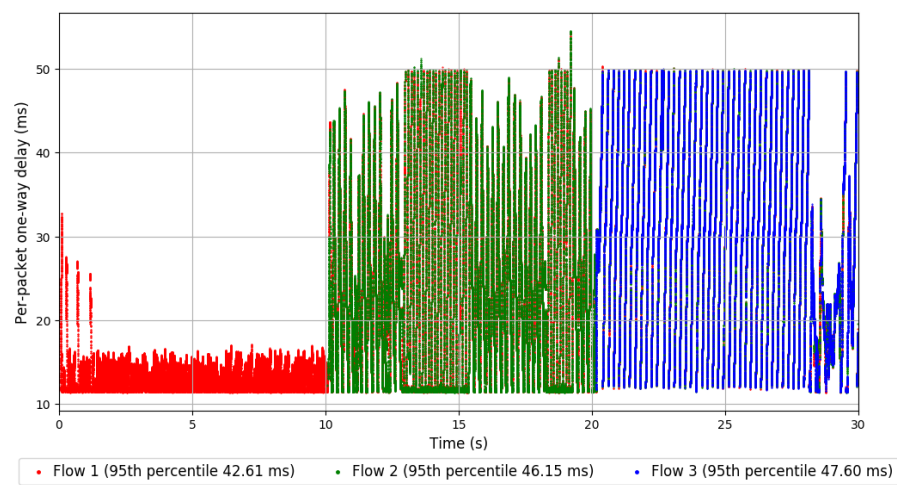
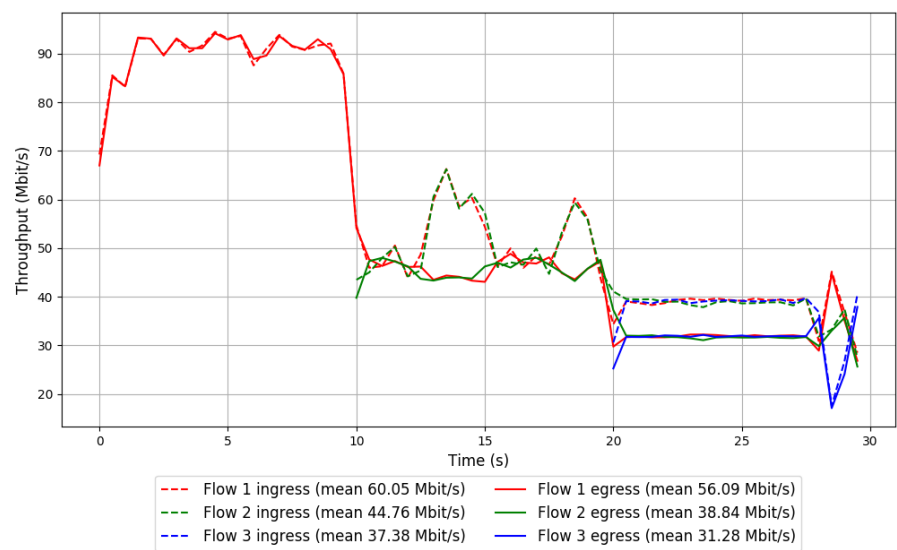
-- Flow 3:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 47.604 ms

Loss rate: 16.37%

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



Run 8: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:04:48 +0000

End at: Sun, 09 Jul 2017 22:05:18 +0000

Local clock offset: -2.11 ms

Remote clock offset: -17.427 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:38:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 39.075 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 35.957 ms

Loss rate: 1.98%

-- Flow 2:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 40.587 ms

Loss rate: 3.14%

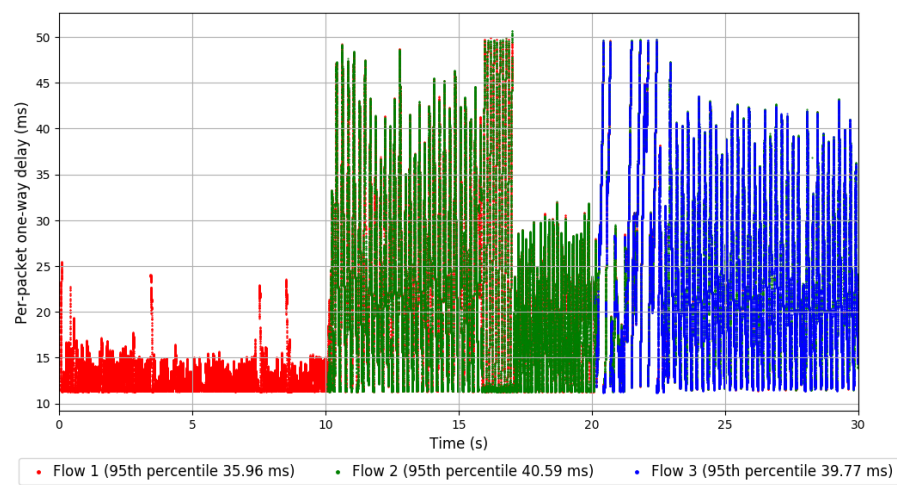
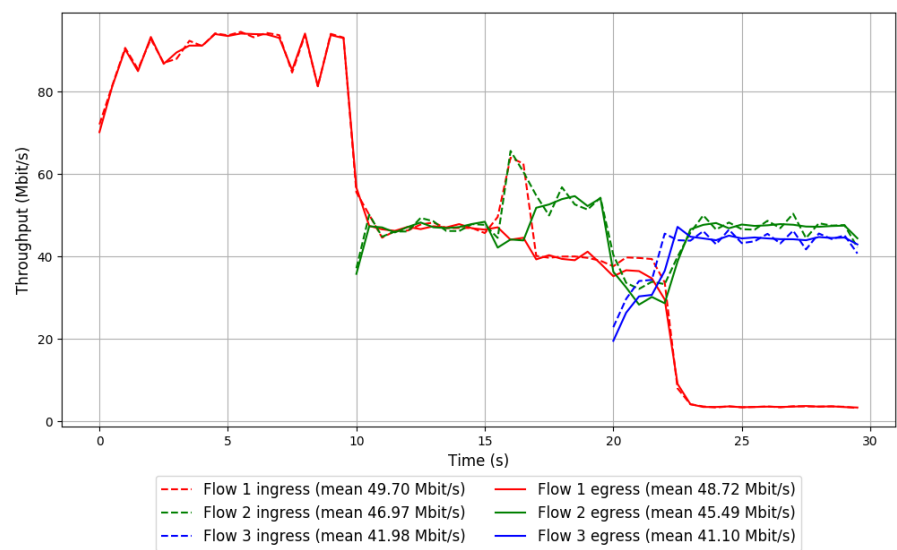
-- Flow 3:

Average throughput: 41.10 Mbit/s

95th percentile per-packet one-way delay: 39.766 ms

Loss rate: 2.16%

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:22:42 +0000

End at: Sun, 09 Jul 2017 22:23:12 +0000

Local clock offset: -1.547 ms

Remote clock offset: -16.013 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:39:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 42.241 ms

Loss rate: 4.76%

-- Flow 1:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 40.180 ms

Loss rate: 2.89%

-- Flow 2:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 43.171 ms

Loss rate: 5.34%

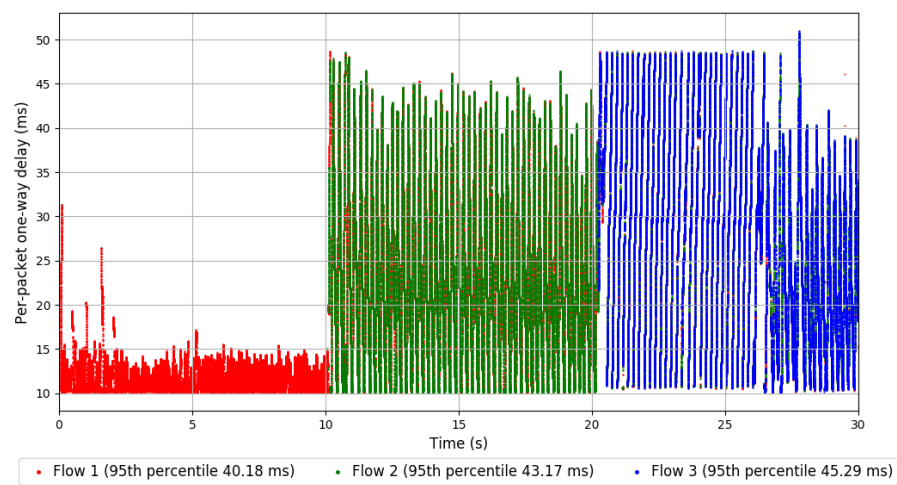
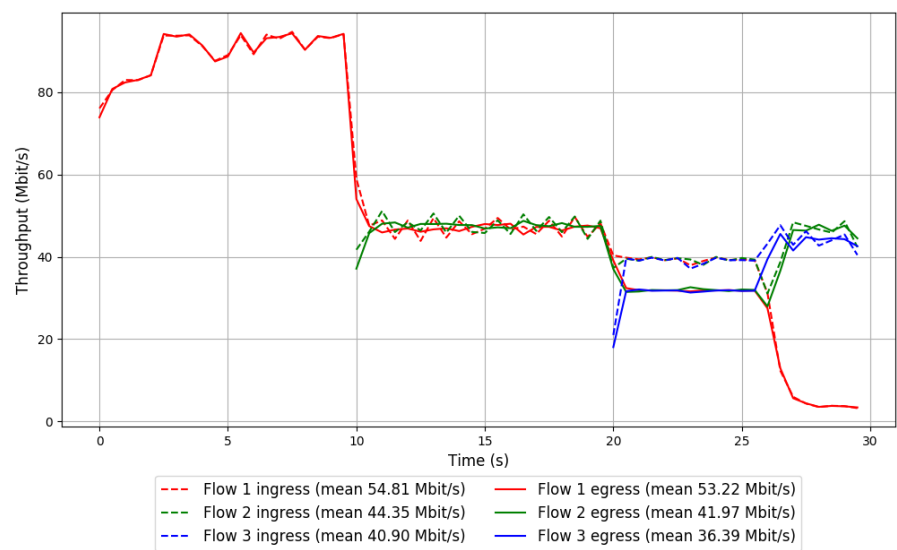
-- Flow 3:

Average throughput: 36.39 Mbit/s

95th percentile per-packet one-way delay: 45.294 ms

Loss rate: 11.14%

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



Run 10: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:40:33 +0000

End at: Sun, 09 Jul 2017 22:41:03 +0000

Local clock offset: -1.127 ms

Remote clock offset: -16.694 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:39:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 40.058 ms

Loss rate: 5.71%

-- Flow 1:

Average throughput: 48.74 Mbit/s

95th percentile per-packet one-way delay: 35.923 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 41.799 ms

Loss rate: 8.60%

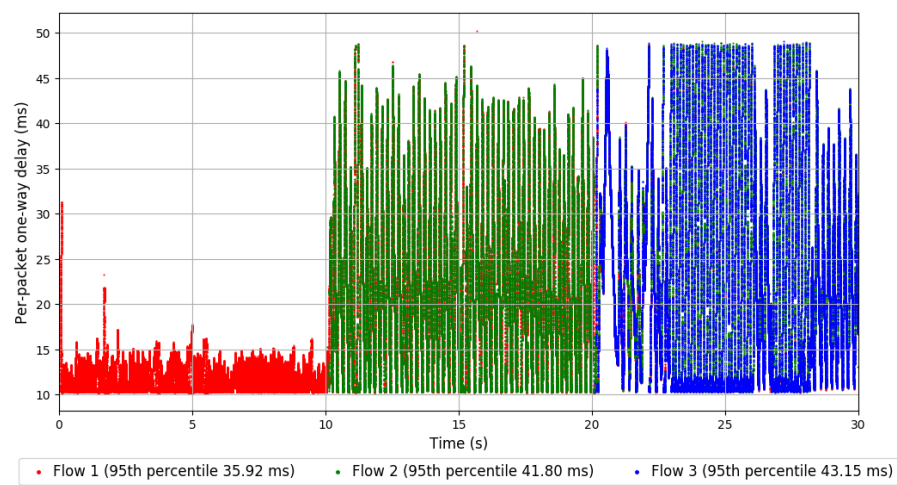
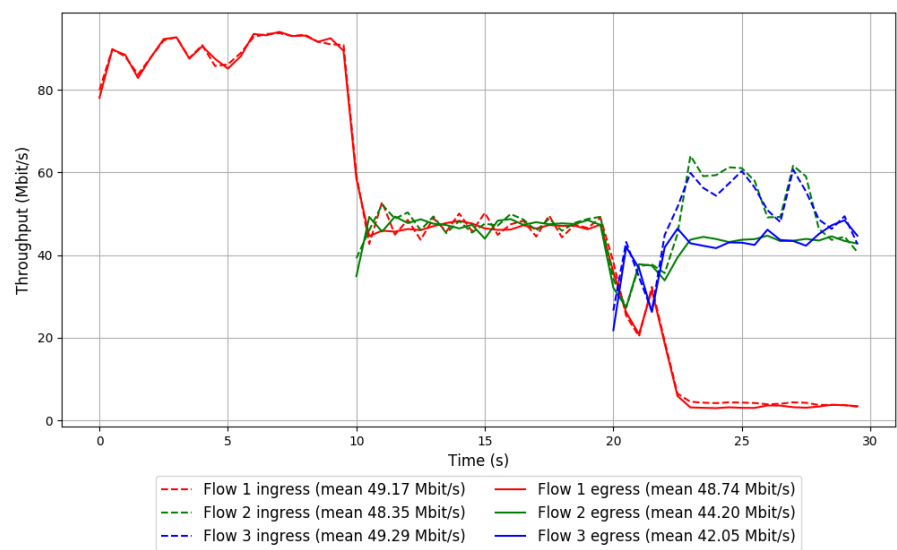
-- Flow 3:

Average throughput: 42.05 Mbit/s

95th percentile per-packet one-way delay: 43.148 ms

Loss rate: 14.63%

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



Run 1: Statistics of TCP Vegas

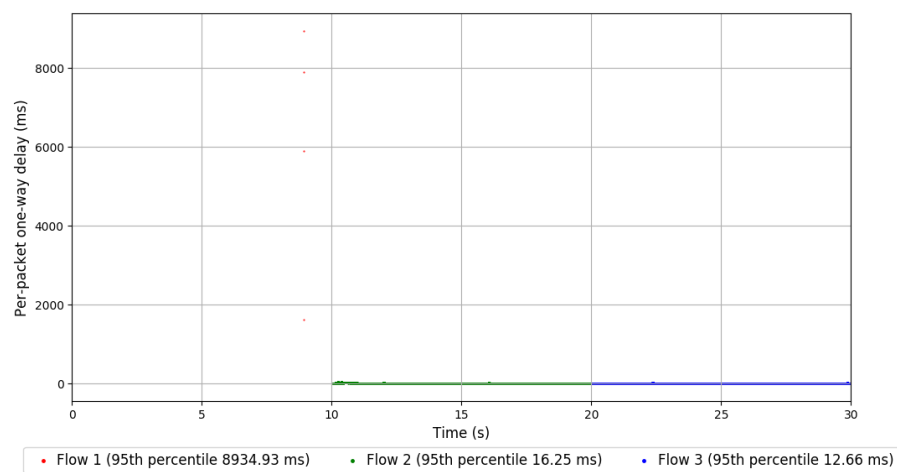
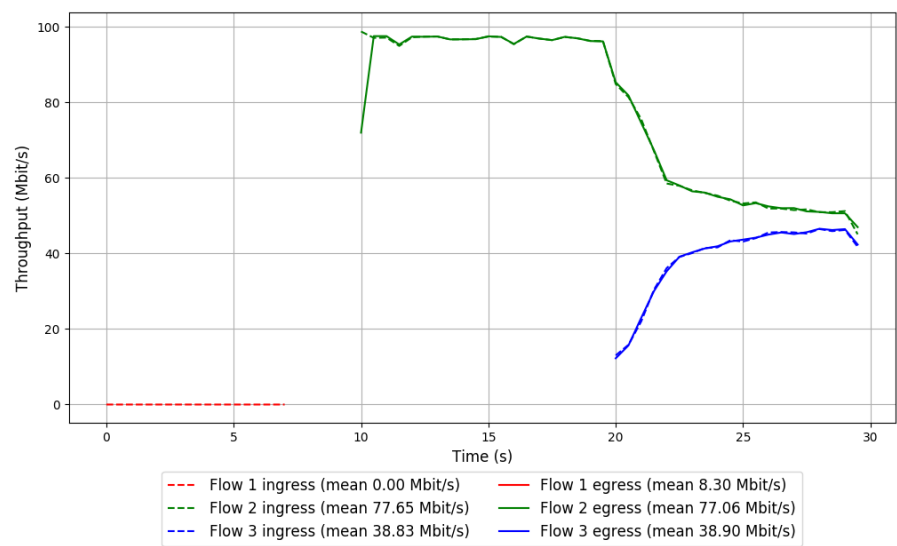
Start at: Sun, 09 Jul 2017 20:14:54 +0000

End at: Sun, 09 Jul 2017 20:15:24 +0000

Local clock offset: 0.112 ms

Remote clock offset: -17.122 ms

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:32:46 +0000

End at: Sun, 09 Jul 2017 20:33:16 +0000

Local clock offset: -6.268 ms

Remote clock offset: -17.947 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:39:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.65 Mbit/s

95th percentile per-packet one-way delay: 20.955 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 10.97 Mbit/s

95th percentile per-packet one-way delay: 4254.065 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 21.583 ms

Loss rate: 0.31%

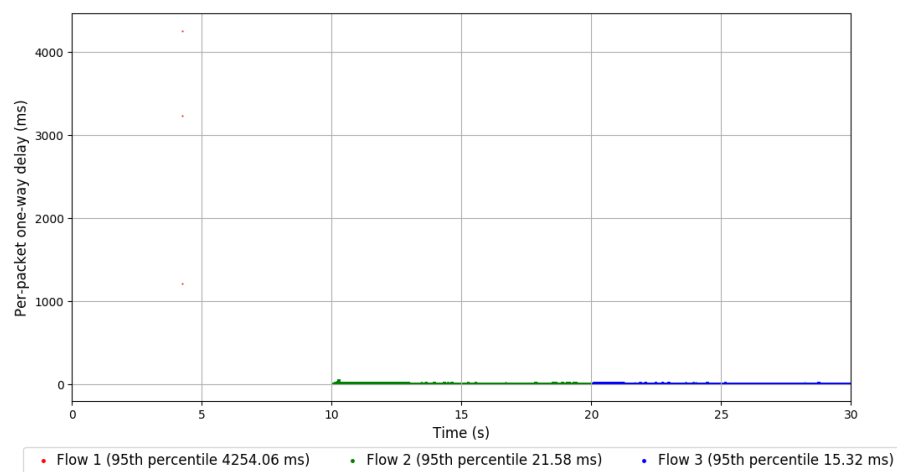
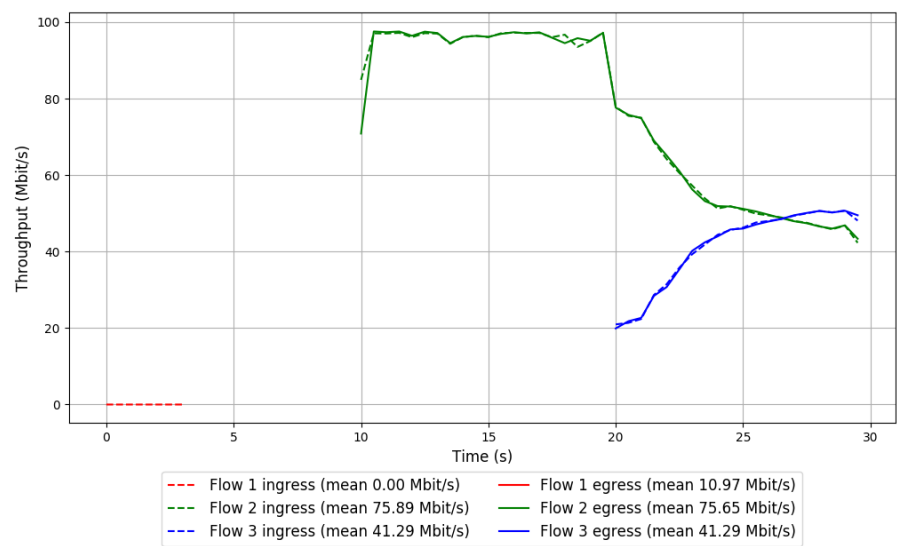
-- Flow 3:

Average throughput: 41.29 Mbit/s

95th percentile per-packet one-way delay: 15.322 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:50:42 +0000

End at: Sun, 09 Jul 2017 20:51:12 +0000

Local clock offset: -3.188 ms

Remote clock offset: -19.556 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:39:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 20.203 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.10 Mbit/s

95th percentile per-packet one-way delay: 21.438 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.05 Mbit/s

95th percentile per-packet one-way delay: 16.110 ms

Loss rate: 0.00%

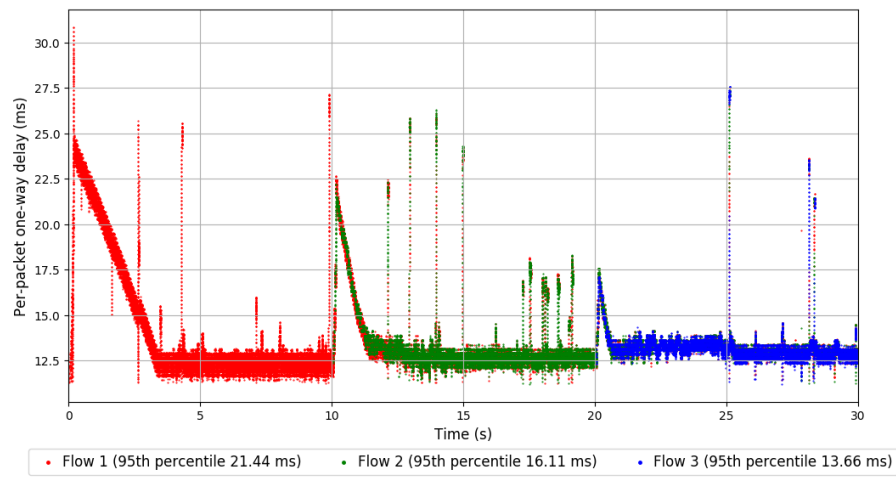
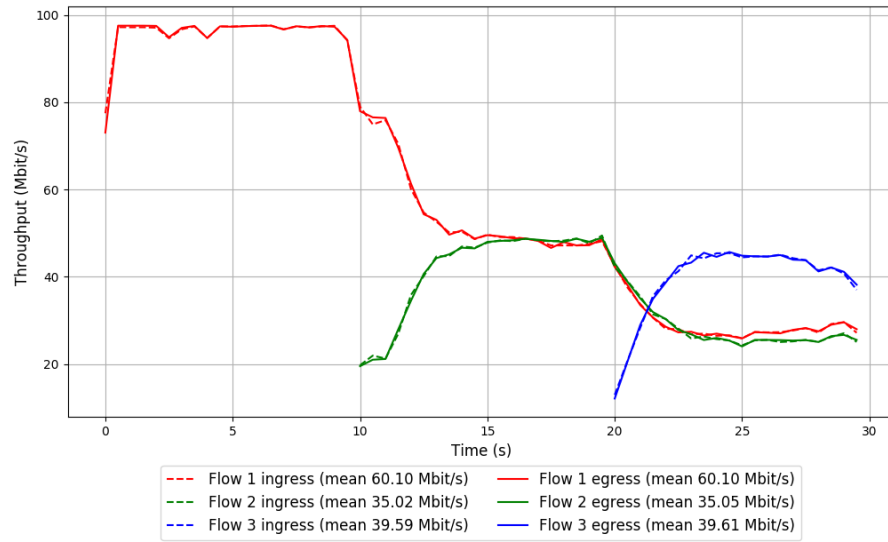
-- Flow 3:

Average throughput: 39.61 Mbit/s

95th percentile per-packet one-way delay: 13.663 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

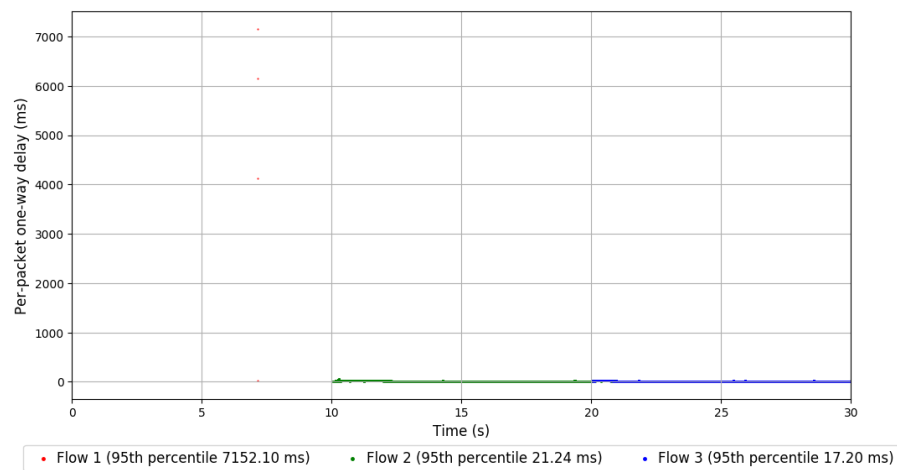
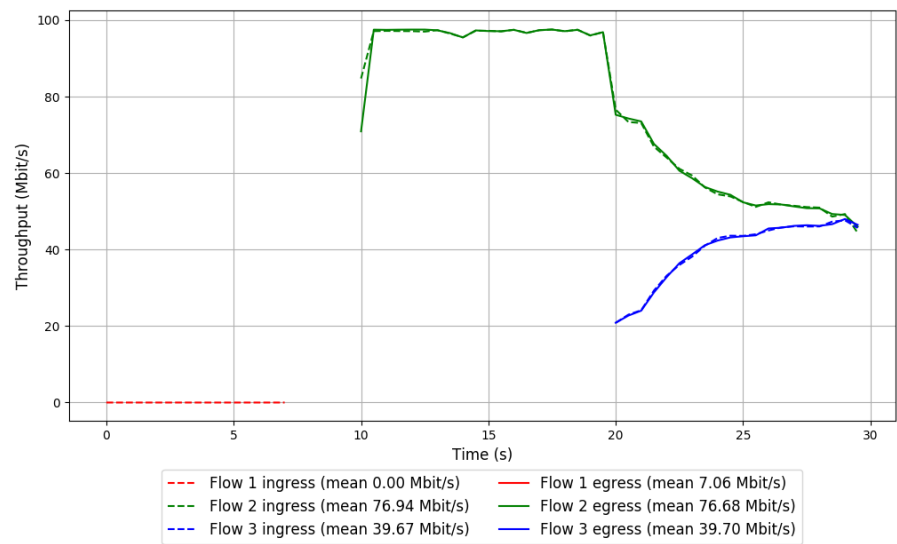
Start at: Sun, 09 Jul 2017 21:08:39 +0000

End at: Sun, 09 Jul 2017 21:09:09 +0000

Local clock offset: -0.118 ms

Remote clock offset: -18.11 ms

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:26:34 +0000

End at: Sun, 09 Jul 2017 21:27:04 +0000

Local clock offset: -2.878 ms

Remote clock offset: -20.97 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 21.652 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 62.57 Mbit/s

95th percentile per-packet one-way delay: 22.788 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 34.72 Mbit/s

95th percentile per-packet one-way delay: 17.972 ms

Loss rate: 0.00%

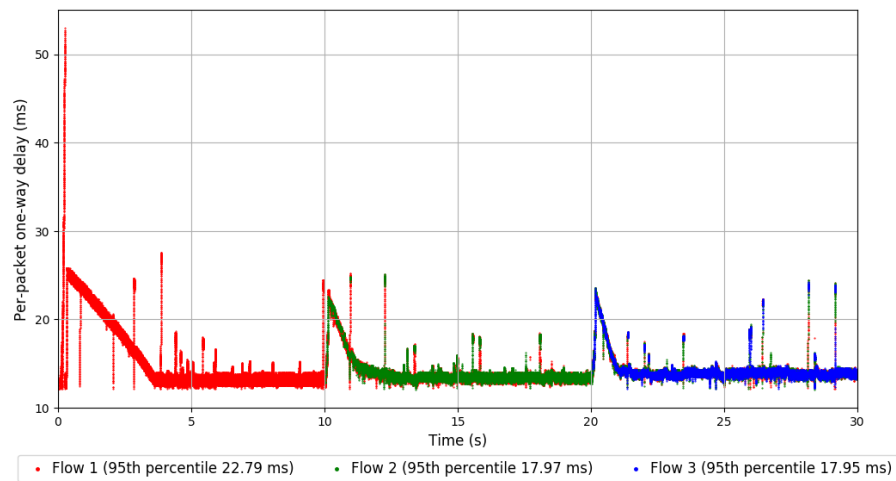
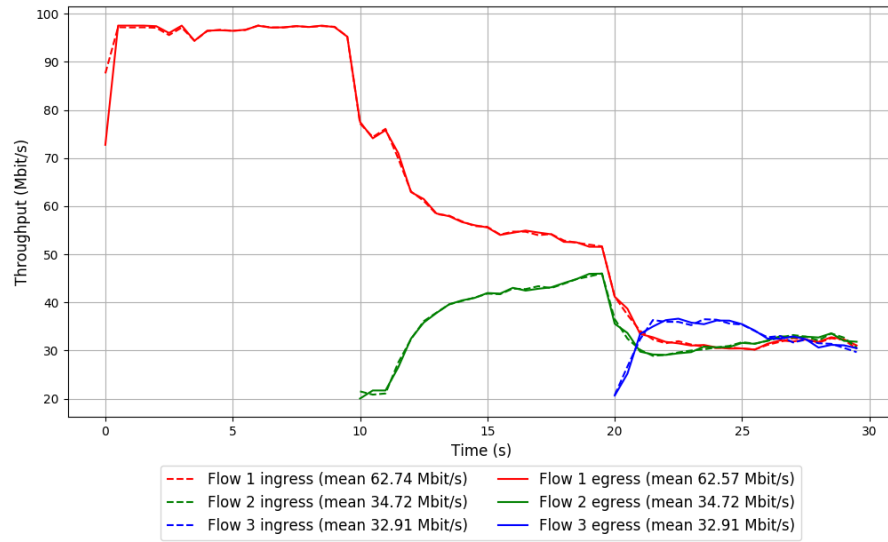
-- Flow 3:

Average throughput: 32.91 Mbit/s

95th percentile per-packet one-way delay: 17.948 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:44:33 +0000

End at: Sun, 09 Jul 2017 21:45:03 +0000

Local clock offset: -2.619 ms

Remote clock offset: -18.251 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:39:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 21.795 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 22.504 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 20.845 ms

Loss rate: 0.00%

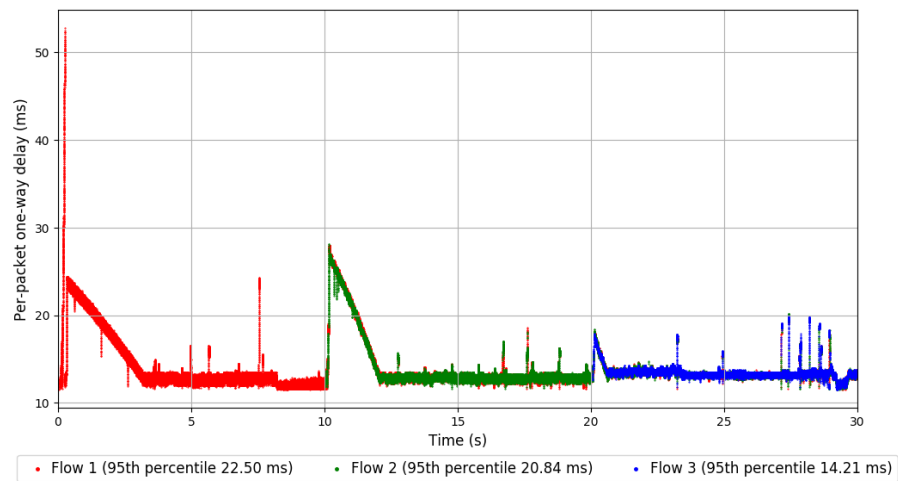
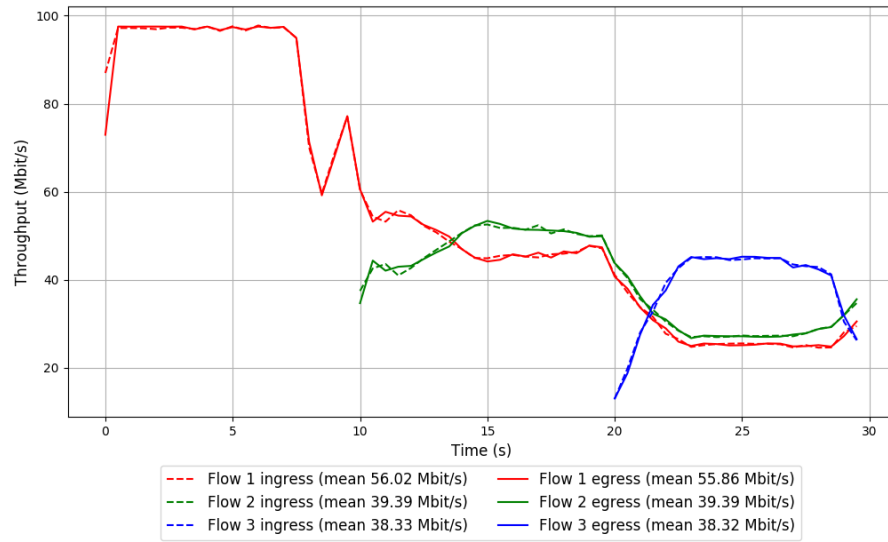
-- Flow 3:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 14.208 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:02:28 +0000

End at: Sun, 09 Jul 2017 22:02:58 +0000

Local clock offset: -1.278 ms

Remote clock offset: -19.231 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:39:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 20.049 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 21.137 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 38.95 Mbit/s

95th percentile per-packet one-way delay: 15.603 ms

Loss rate: 0.00%

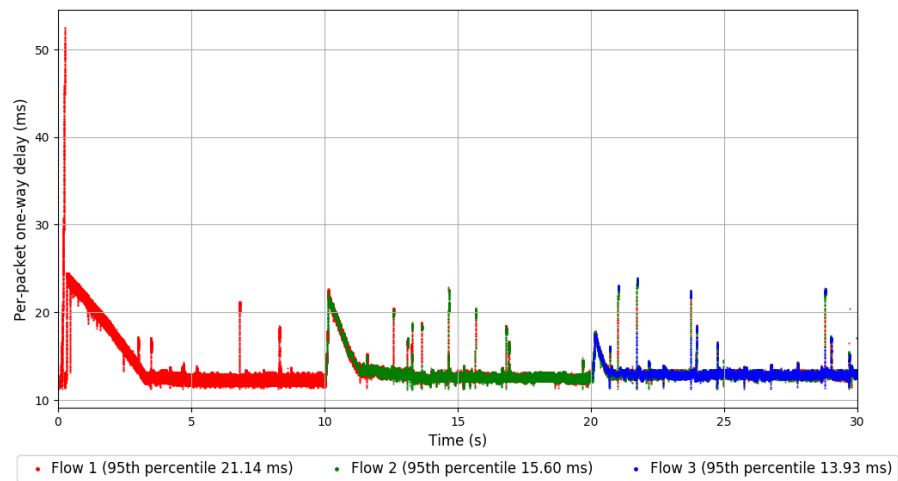
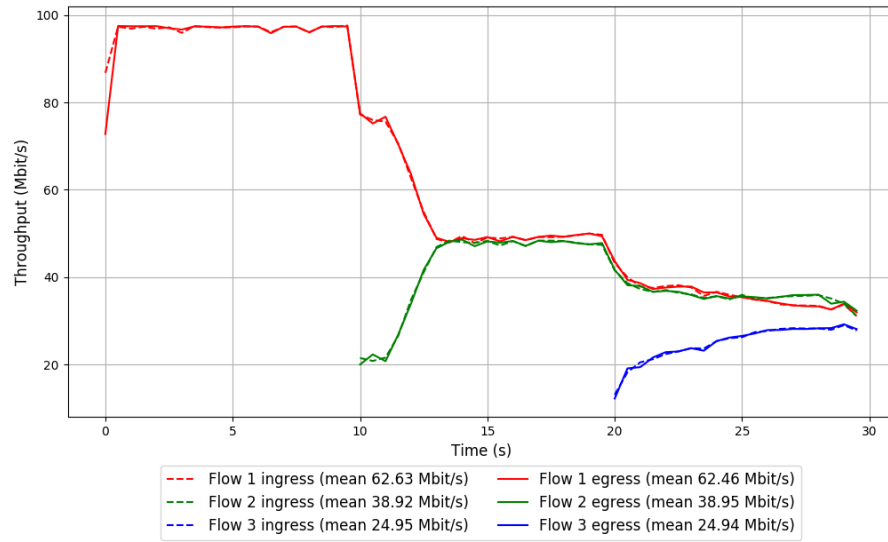
-- Flow 3:

Average throughput: 24.94 Mbit/s

95th percentile per-packet one-way delay: 13.929 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:20:25 +0000

End at: Sun, 09 Jul 2017 22:20:55 +0000

Local clock offset: 1.519 ms

Remote clock offset: -18.126 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 19.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.39 Mbit/s

95th percentile per-packet one-way delay: 20.800 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.04 Mbit/s

95th percentile per-packet one-way delay: 16.069 ms

Loss rate: 0.01%

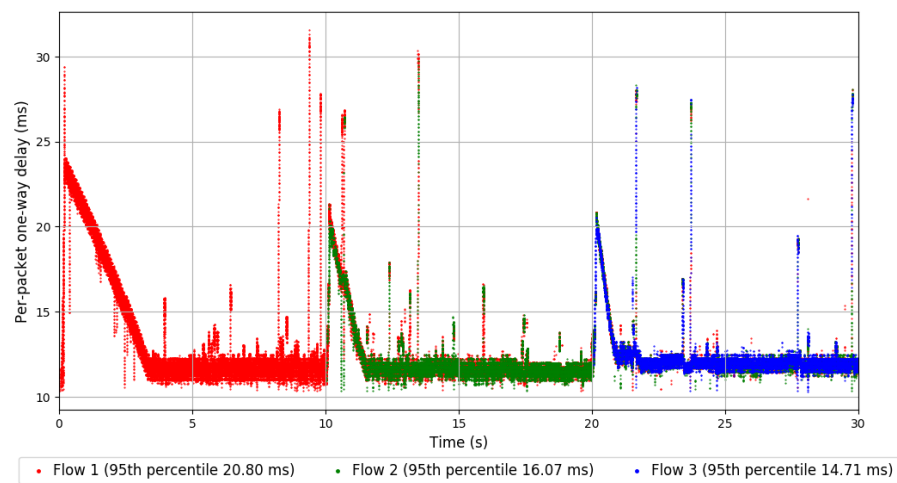
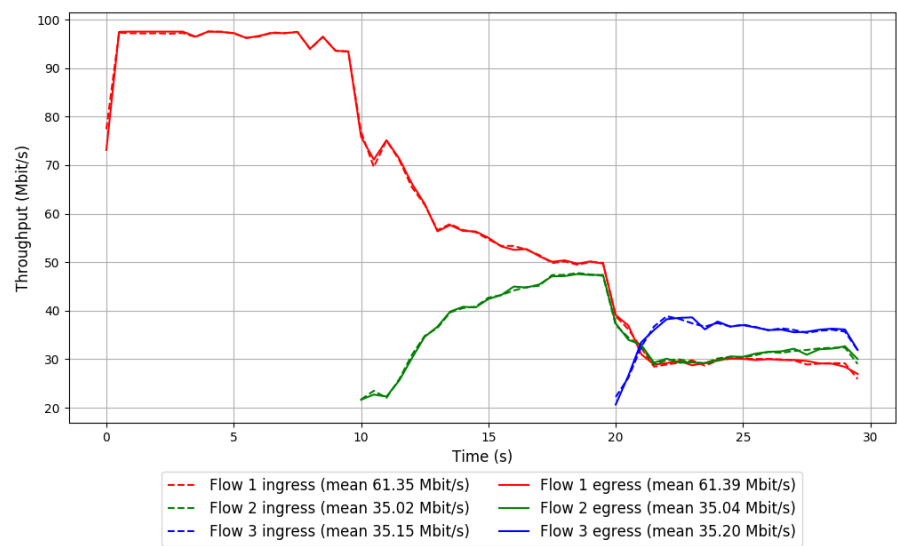
-- Flow 3:

Average throughput: 35.20 Mbit/s

95th percentile per-packet one-way delay: 14.714 ms

Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:38:17 +0000

End at: Sun, 09 Jul 2017 22:38:47 +0000

Local clock offset: 0.98 ms

Remote clock offset: -15.928 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 19.169 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 19.905 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 16.676 ms

Loss rate: 0.00%

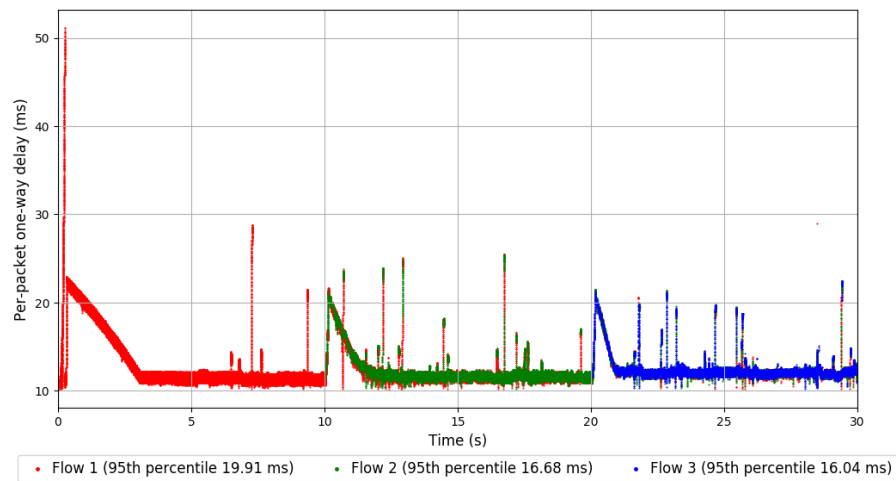
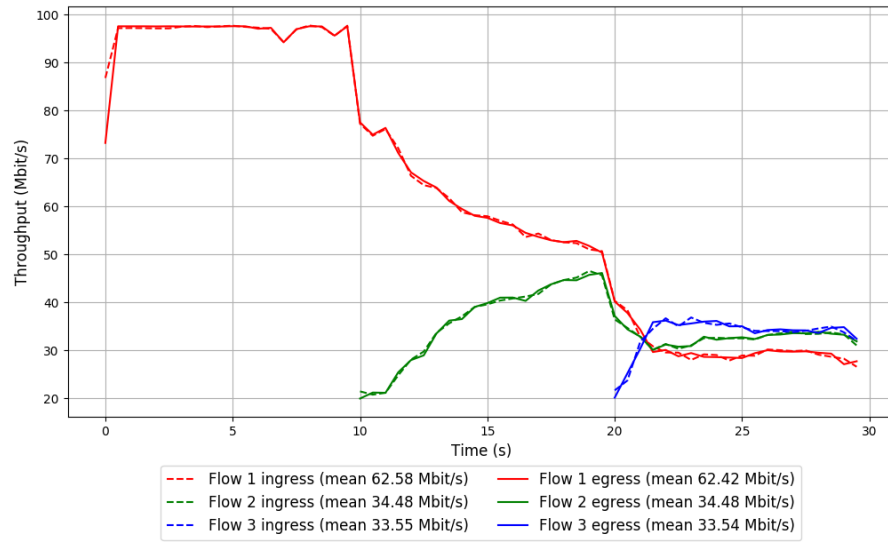
-- Flow 3:

Average throughput: 33.54 Mbit/s

95th percentile per-packet one-way delay: 16.036 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:56:03 +0000

End at: Sun, 09 Jul 2017 22:56:33 +0000

Local clock offset: -0.968 ms

Remote clock offset: -15.526 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 17.392 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 62.62 Mbit/s

95th percentile per-packet one-way delay: 17.688 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 16.171 ms

Loss rate: 0.00%

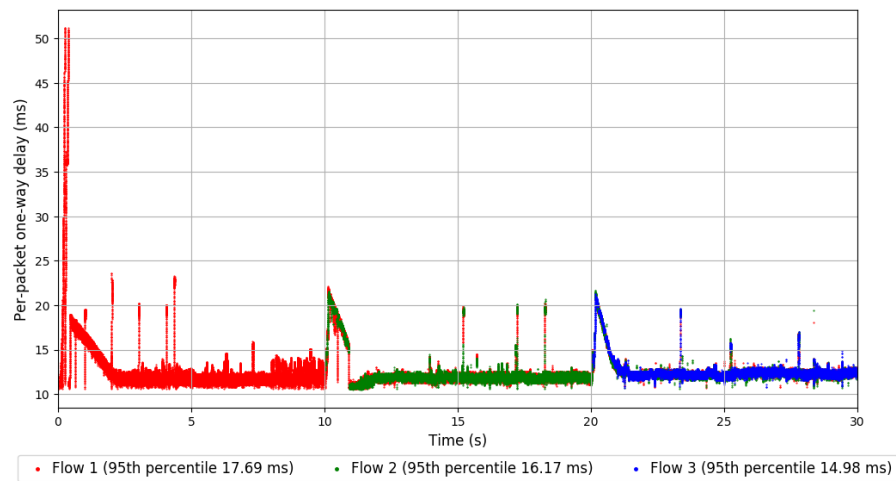
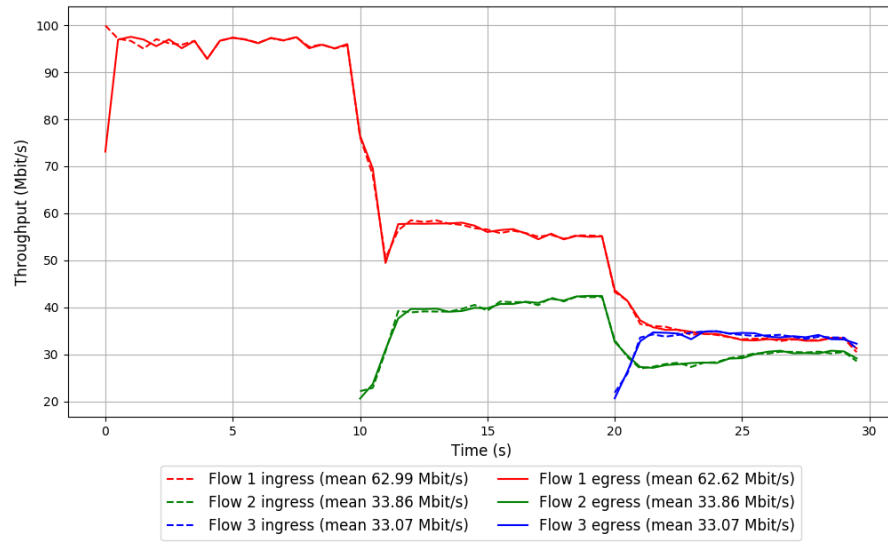
-- Flow 3:

Average throughput: 33.07 Mbit/s

95th percentile per-packet one-way delay: 14.985 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:13:41 +0000

End at: Sun, 09 Jul 2017 20:14:11 +0000

Local clock offset: 0.376 ms

Remote clock offset: -17.944 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 46.088 ms

Loss rate: 32.99%

-- Flow 1:

Average throughput: 52.36 Mbit/s

95th percentile per-packet one-way delay: 45.926 ms

Loss rate: 28.57%

-- Flow 2:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 46.114 ms

Loss rate: 39.27%

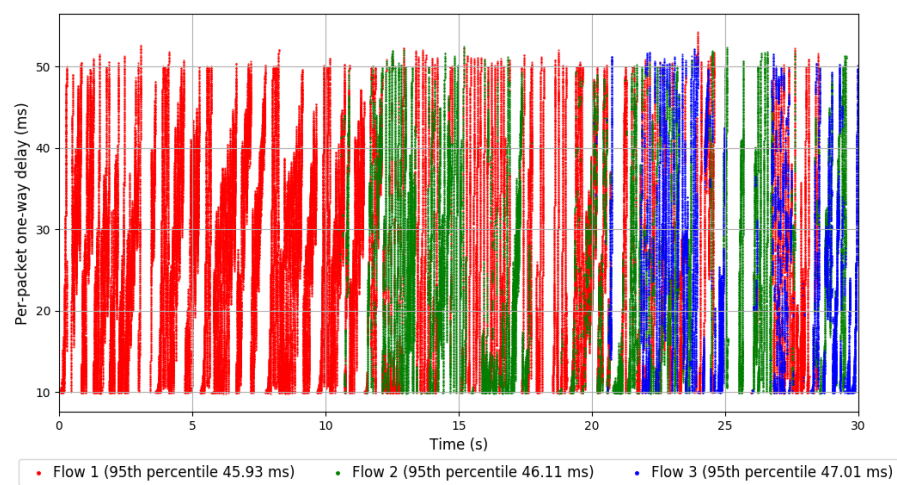
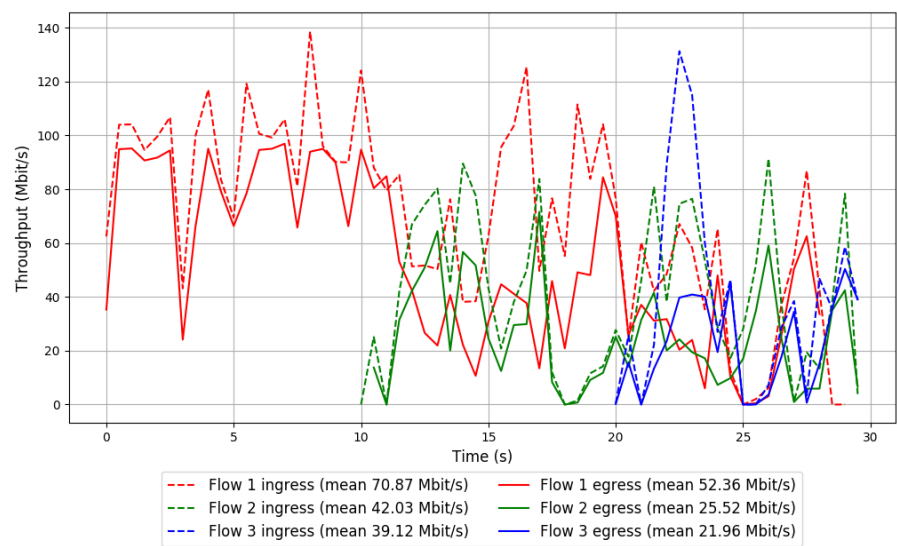
-- Flow 3:

Average throughput: 21.96 Mbit/s

95th percentile per-packet one-way delay: 47.006 ms

Loss rate: 43.81%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:31:30 +0000

End at: Sun, 09 Jul 2017 20:32:00 +0000

Local clock offset: 1.024 ms

Remote clock offset: -18.128 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 47.609 ms

Loss rate: 46.36%

-- Flow 1:

Average throughput: 48.65 Mbit/s

95th percentile per-packet one-way delay: 45.655 ms

Loss rate: 22.74%

-- Flow 2:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 49.403 ms

Loss rate: 66.79%

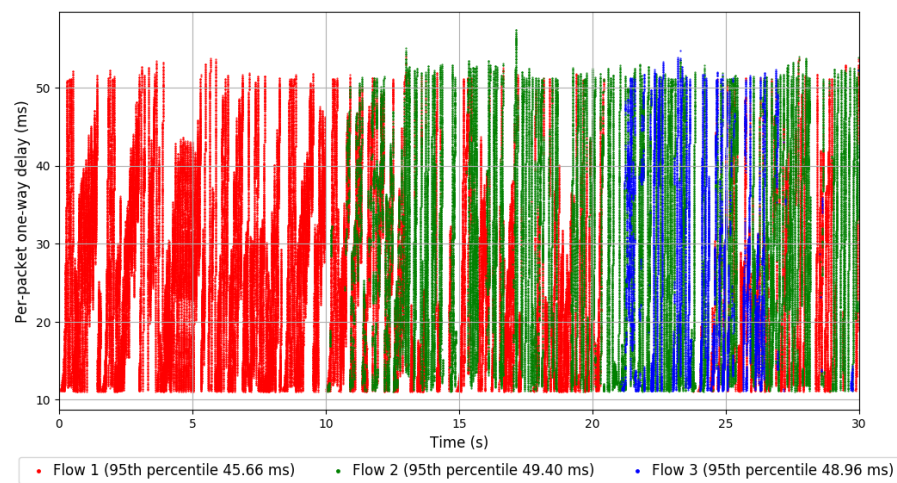
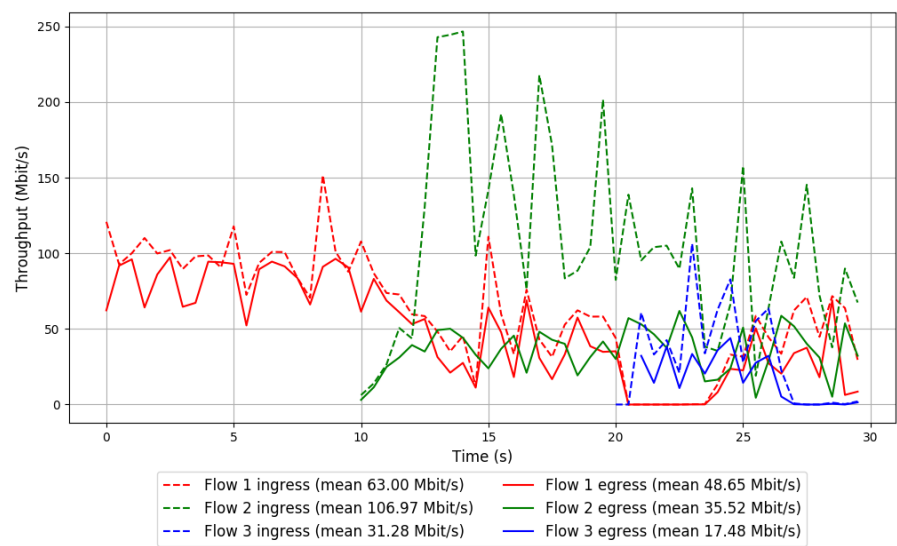
-- Flow 3:

Average throughput: 17.48 Mbit/s

95th percentile per-packet one-way delay: 48.960 ms

Loss rate: 49.53%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:49:28 +0000

End at: Sun, 09 Jul 2017 20:49:58 +0000

Local clock offset: -2.769 ms

Remote clock offset: -19.415 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 47.764 ms

Loss rate: 37.65%

-- Flow 1:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 47.137 ms

Loss rate: 33.05%

-- Flow 2:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 48.372 ms

Loss rate: 41.02%

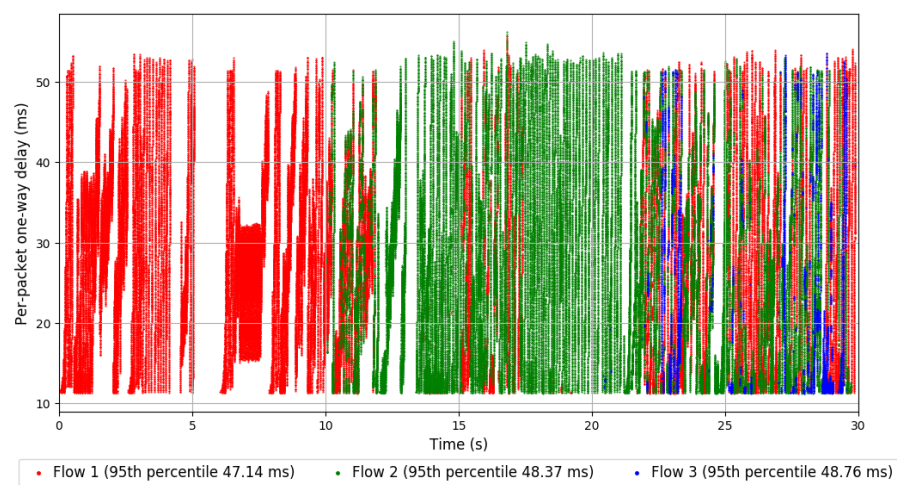
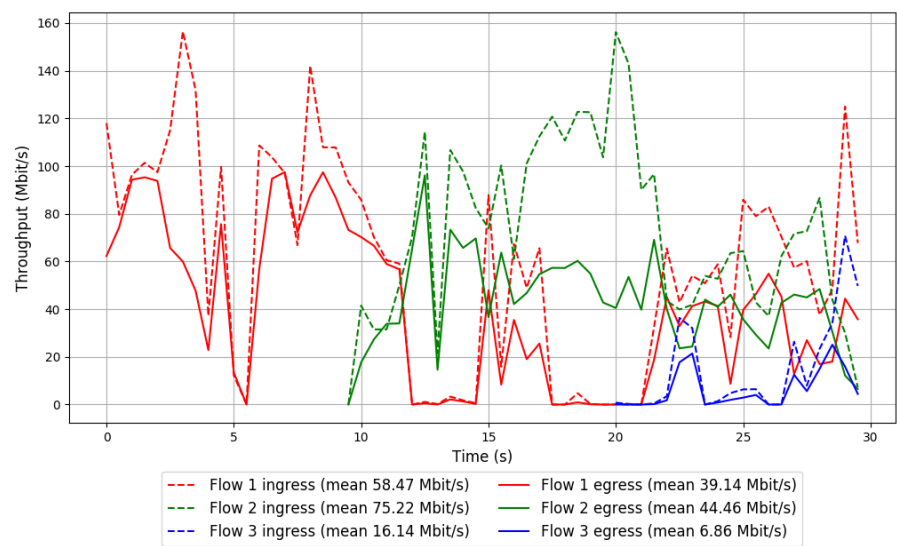
-- Flow 3:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 48.758 ms

Loss rate: 57.48%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:07:24 +0000

End at: Sun, 09 Jul 2017 21:07:54 +0000

Local clock offset: -3.024 ms

Remote clock offset: -20.288 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 46.586 ms

Loss rate: 21.02%

-- Flow 1:

Average throughput: 41.87 Mbit/s

95th percentile per-packet one-way delay: 46.692 ms

Loss rate: 21.97%

-- Flow 2:

Average throughput: 45.22 Mbit/s

95th percentile per-packet one-way delay: 46.212 ms

Loss rate: 18.27%

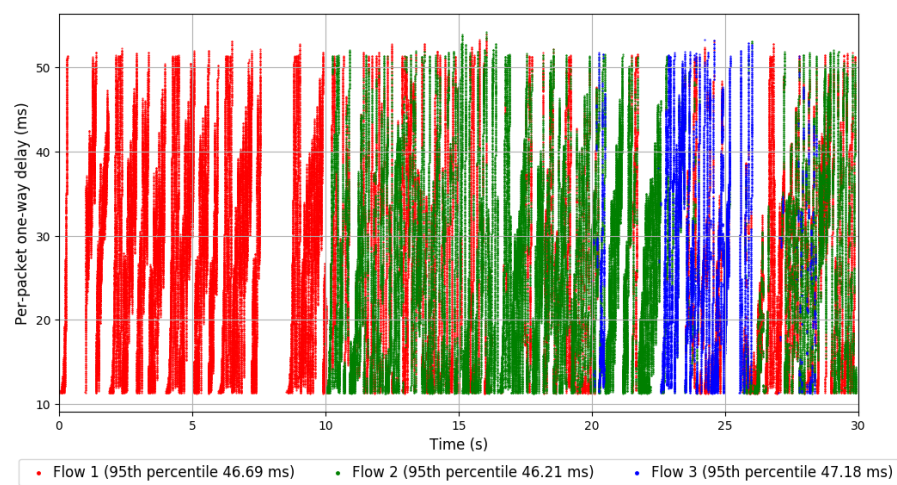
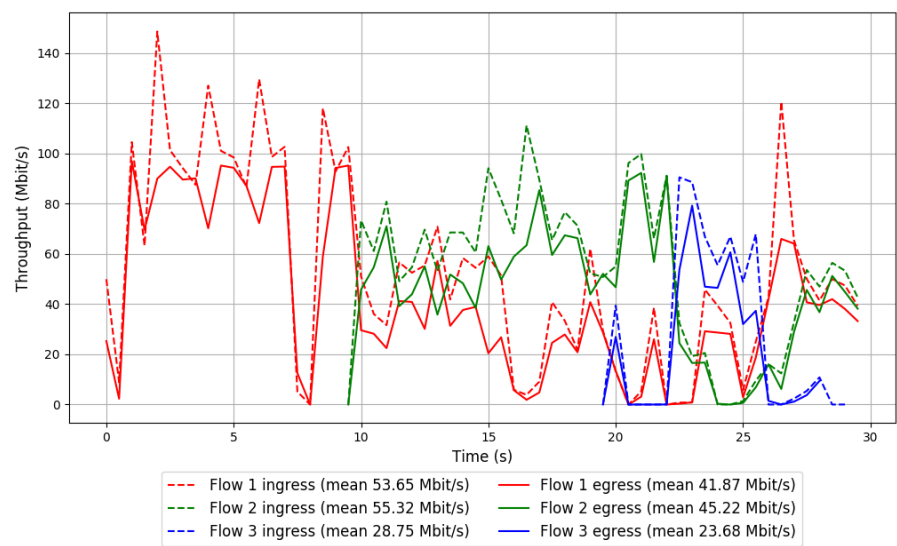
-- Flow 3:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 47.180 ms

Loss rate: 26.54%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:25:19 +0000

End at: Sun, 09 Jul 2017 21:25:49 +0000

Local clock offset: -2.349 ms

Remote clock offset: -19.365 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.33 Mbit/s

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

Loss rate: 45.76%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 48.452 ms

Loss rate: 47.10%

-- Flow 2:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 48.836 ms

Loss rate: 40.47%

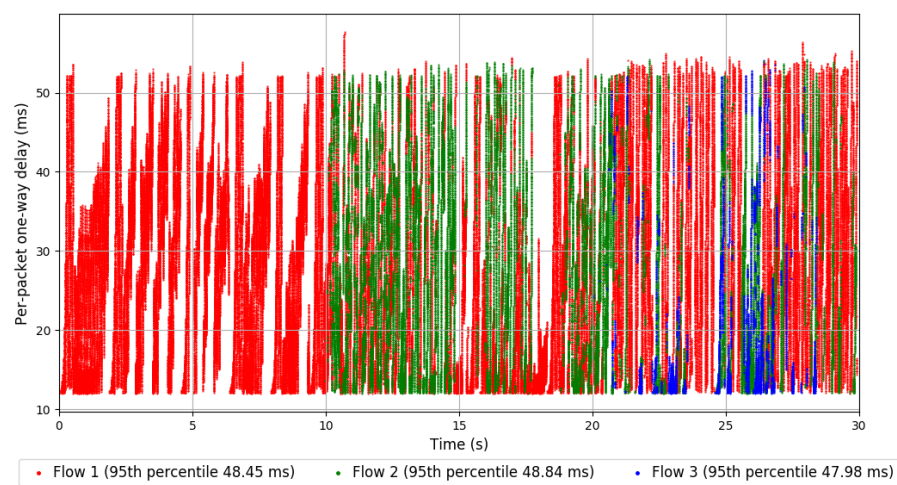
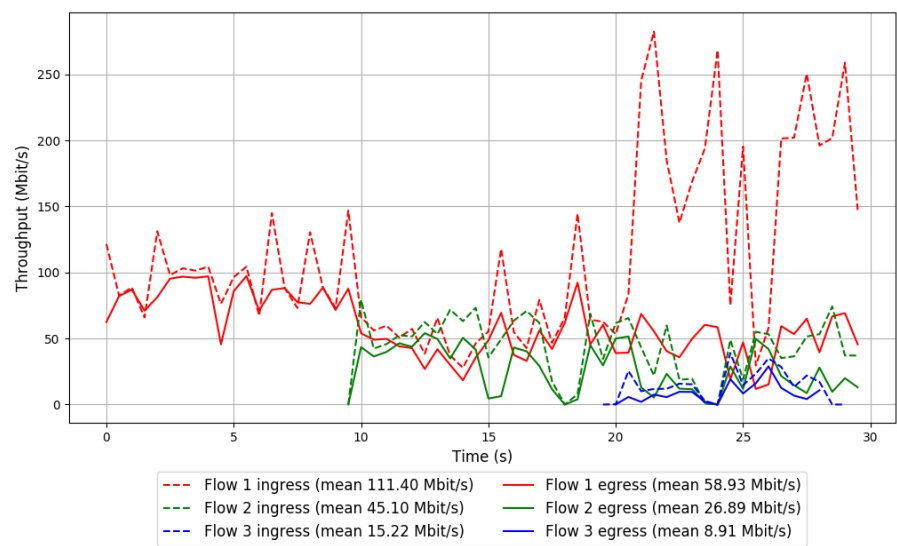
-- Flow 3:

Average throughput: 8.91 Mbit/s

95th percentile per-packet one-way delay: 47.985 ms

Loss rate: 47.87%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:43:19 +0000

End at: Sun, 09 Jul 2017 21:43:49 +0000

Local clock offset: -2.341 ms

Remote clock offset: -18.703 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.89 Mbit/s

95th percentile per-packet one-way delay: 48.137 ms

Loss rate: 44.13%

-- Flow 1:

Average throughput: 45.50 Mbit/s

95th percentile per-packet one-way delay: 47.247 ms

Loss rate: 33.52%

-- Flow 2:

Average throughput: 25.72 Mbit/s

95th percentile per-packet one-way delay: 49.700 ms

Loss rate: 62.08%

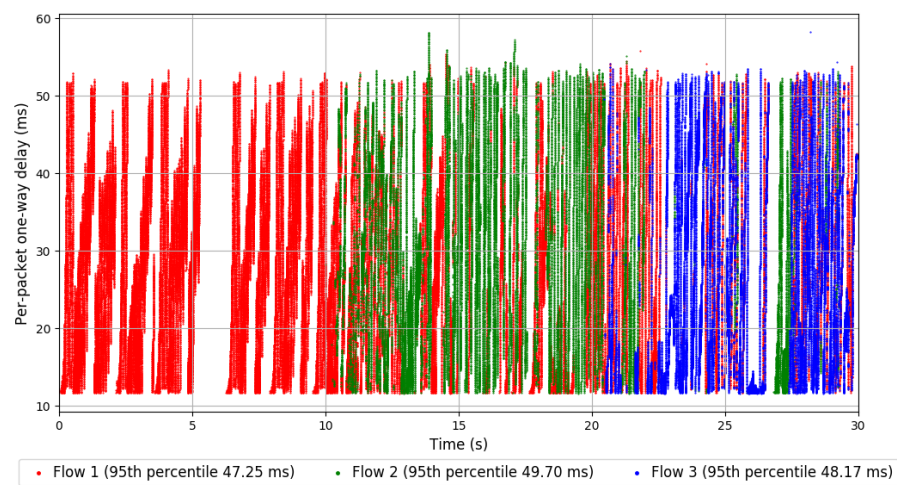
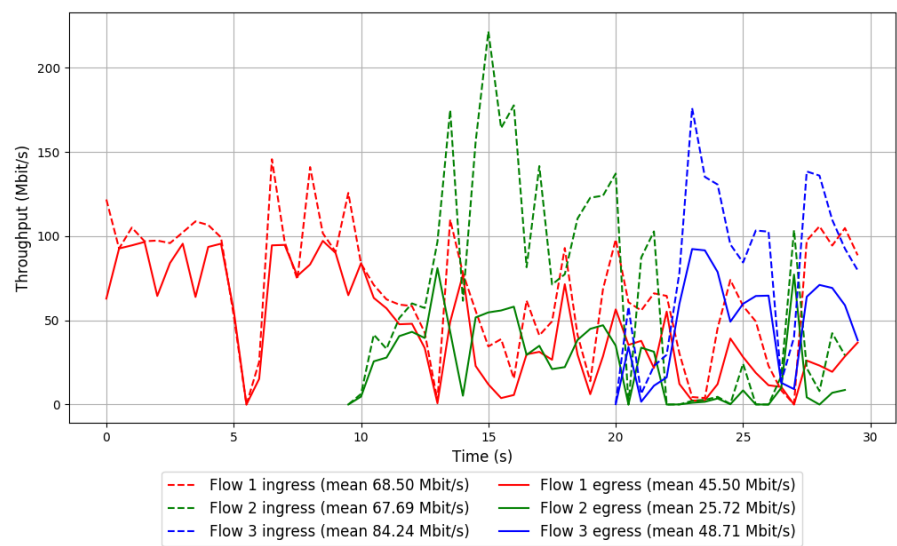
-- Flow 3:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 48.174 ms

Loss rate: 41.99%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:01:16 +0000

End at: Sun, 09 Jul 2017 22:01:46 +0000

Local clock offset: -0.839 ms

Remote clock offset: -19.198 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:40:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.30 Mbit/s

95th percentile per-packet one-way delay: 47.257 ms

Loss rate: 35.05%

-- Flow 1:

Average throughput: 39.49 Mbit/s

95th percentile per-packet one-way delay: 46.941 ms

Loss rate: 32.42%

-- Flow 2:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 47.451 ms

Loss rate: 34.88%

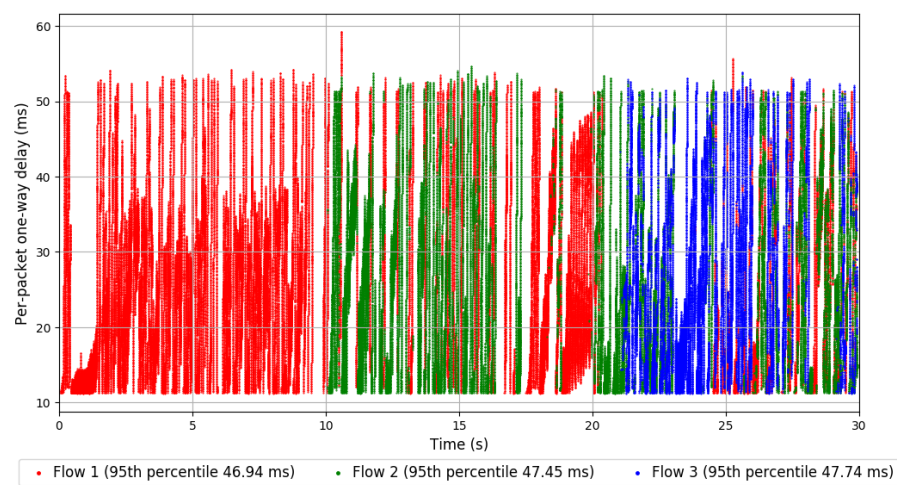
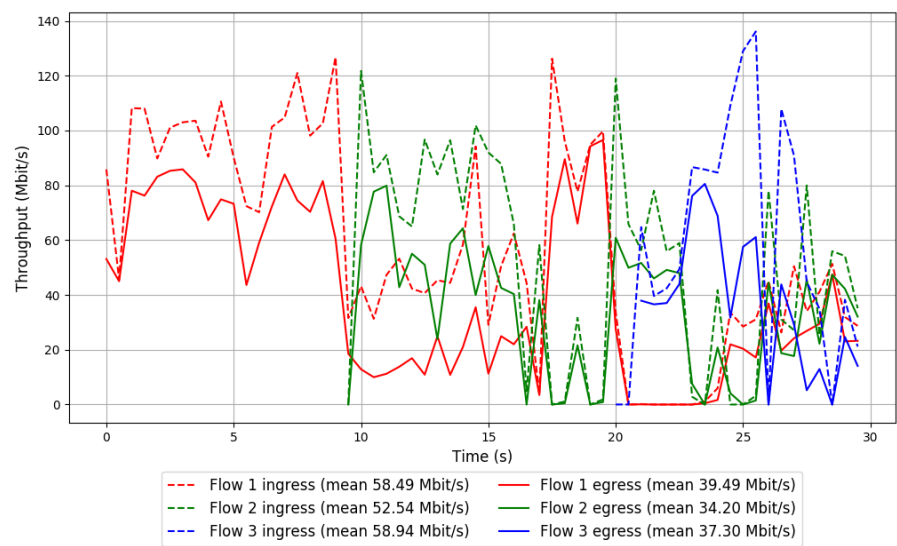
-- Flow 3:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 47.745 ms

Loss rate: 43.24%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:19:11 +0000

End at: Sun, 09 Jul 2017 22:19:41 +0000

Local clock offset: 1.054 ms

Remote clock offset: -15.384 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.39 Mbit/s

95th percentile per-packet one-way delay: 47.536 ms

Loss rate: 49.21%

-- Flow 1:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 46.546 ms

Loss rate: 34.25%

-- Flow 2:

Average throughput: 61.29 Mbit/s

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

Loss rate: 57.00%

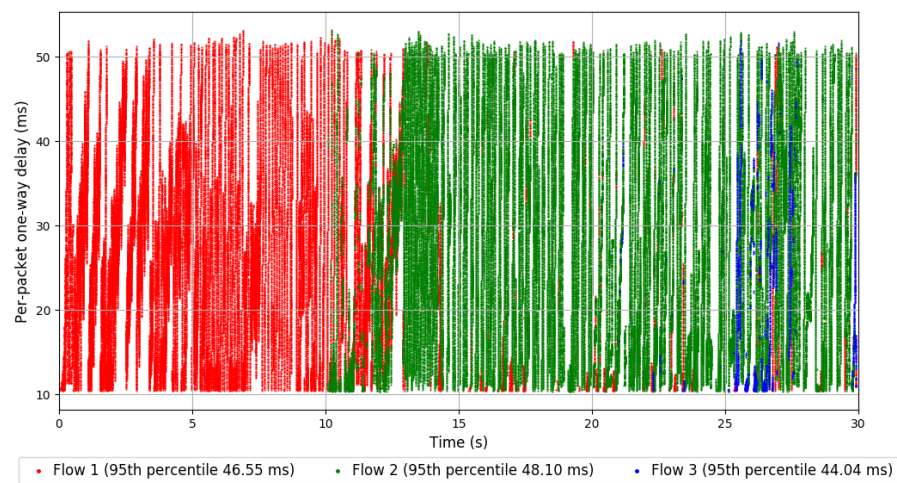
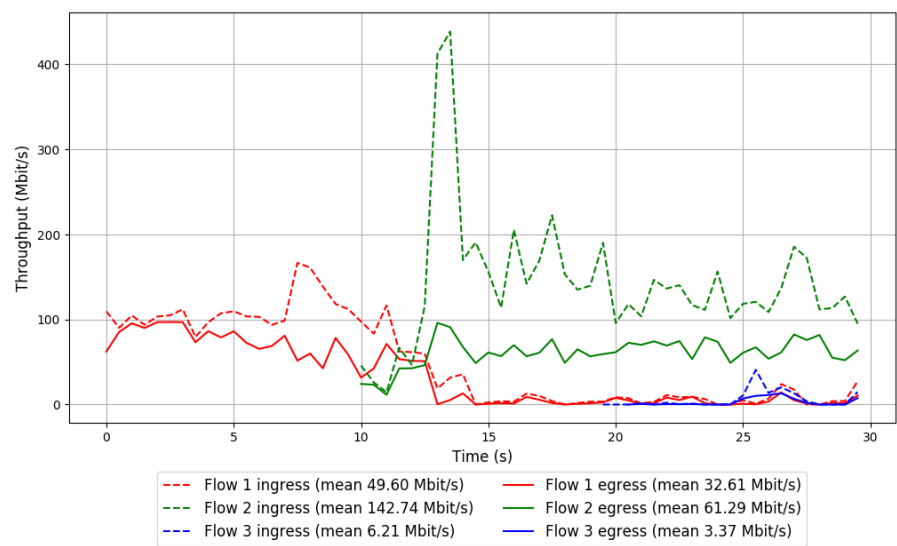
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 44.036 ms

Loss rate: 51.16%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:37:02 +0000

End at: Sun, 09 Jul 2017 22:37:32 +0000

Local clock offset: 0.825 ms

Remote clock offset: -16.422 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 47.536 ms

Loss rate: 61.55%

-- Flow 1:

Average throughput: 55.20 Mbit/s

95th percentile per-packet one-way delay: 47.415 ms

Loss rate: 60.78%

-- Flow 2:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 47.553 ms

Loss rate: 61.59%

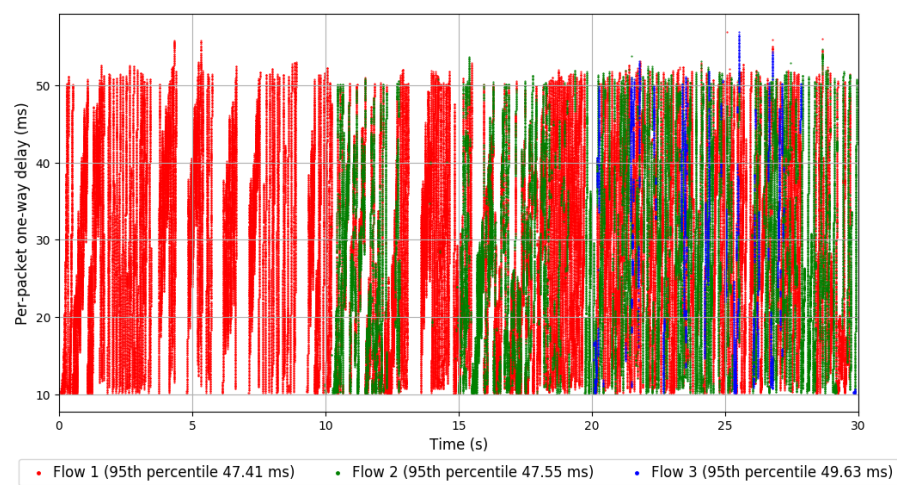
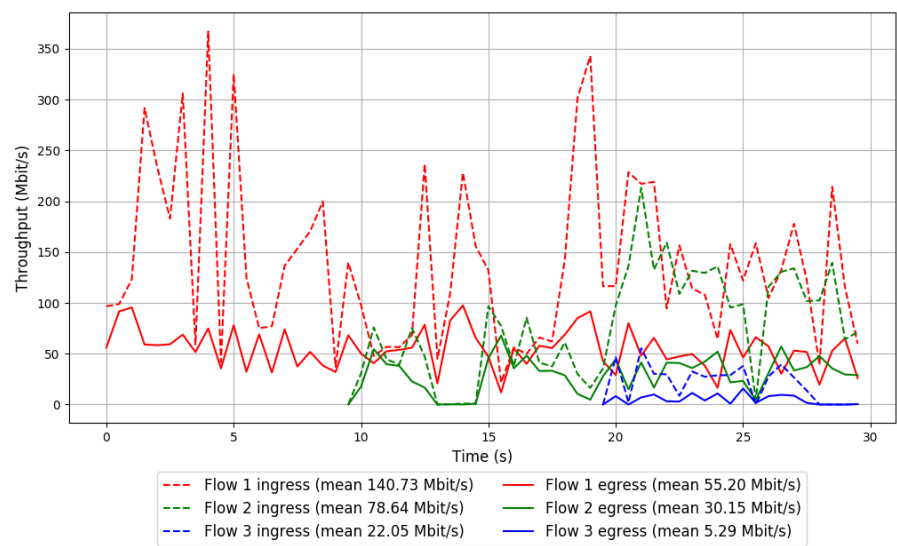
-- Flow 3:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 49.629 ms

Loss rate: 76.02%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:54:50 +0000

End at: Sun, 09 Jul 2017 22:55:20 +0000

Local clock offset: 2.251 ms

Remote clock offset: -16.012 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.95 Mbit/s

95th percentile per-packet one-way delay: 46.108 ms

Loss rate: 18.83%

-- Flow 1:

Average throughput: 64.70 Mbit/s

95th percentile per-packet one-way delay: 45.964 ms

Loss rate: 16.79%

-- Flow 2:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 46.742 ms

Loss rate: 26.22%

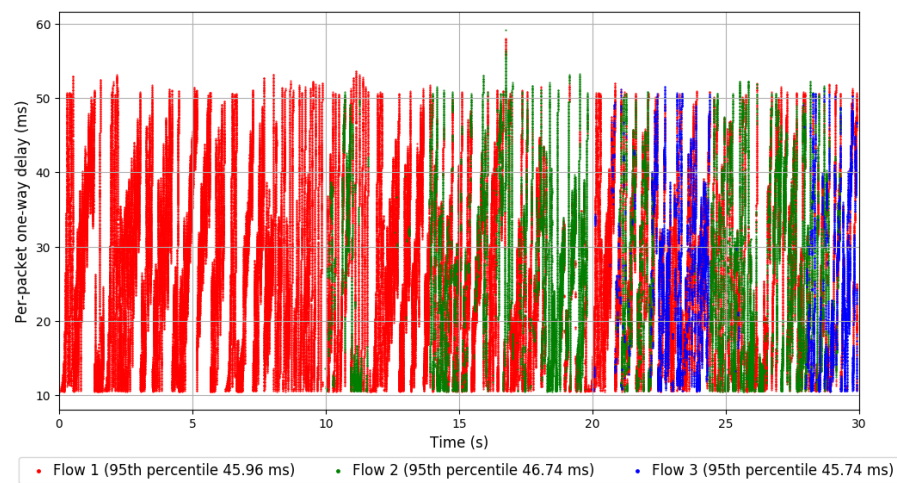
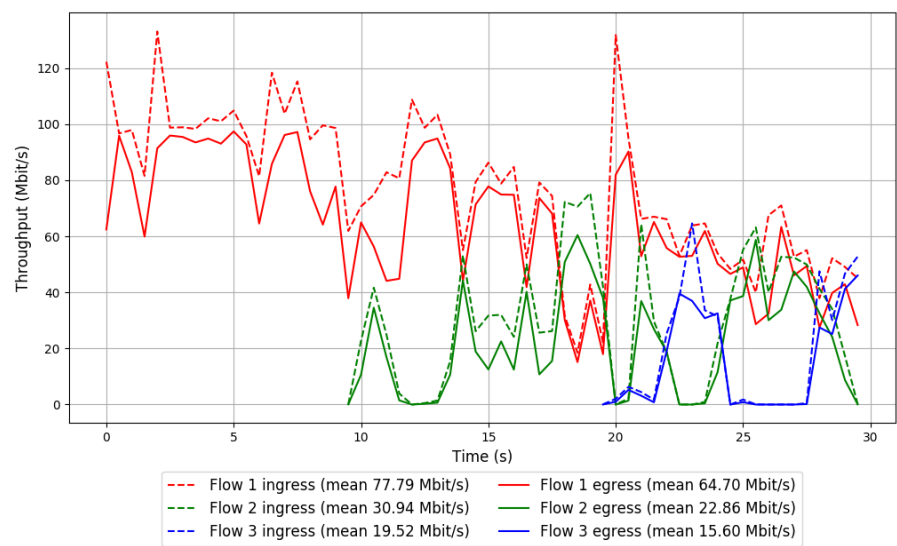
-- Flow 3:

Average throughput: 15.60 Mbit/s

95th percentile per-packet one-way delay: 45.744 ms

Loss rate: 19.99%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:01:44 +0000

End at: Sun, 09 Jul 2017 20:02:14 +0000

Local clock offset: -2.107 ms

Remote clock offset: -16.341 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 11.521 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 11.363 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 11.778 ms

Loss rate: 0.00%

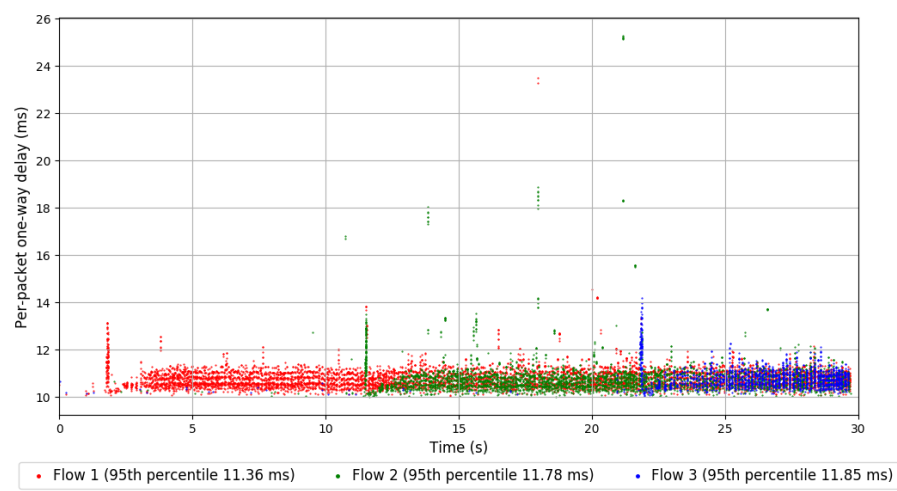
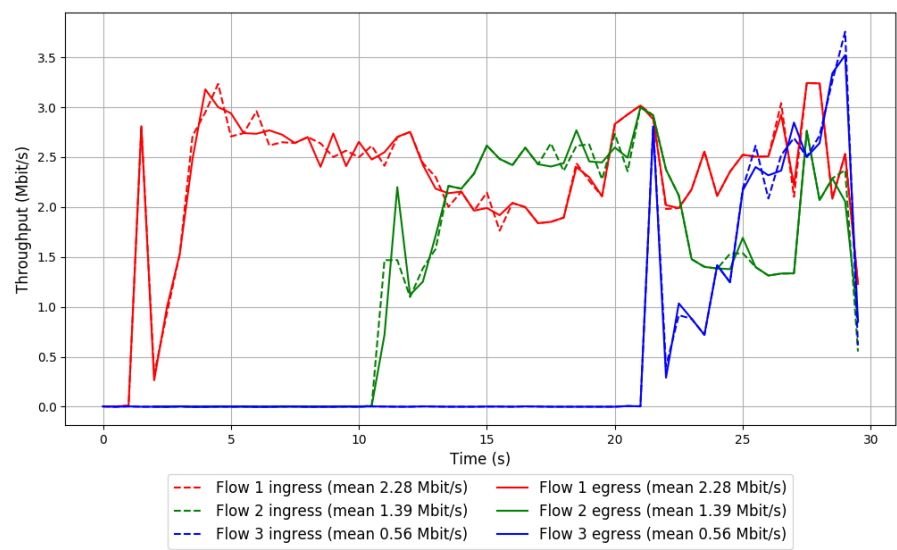
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 11.845 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:19:42 +0000

End at: Sun, 09 Jul 2017 20:20:12 +0000

Local clock offset: -0.34 ms

Remote clock offset: -16.361 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 11.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 11.305 ms

Loss rate: 0.00%

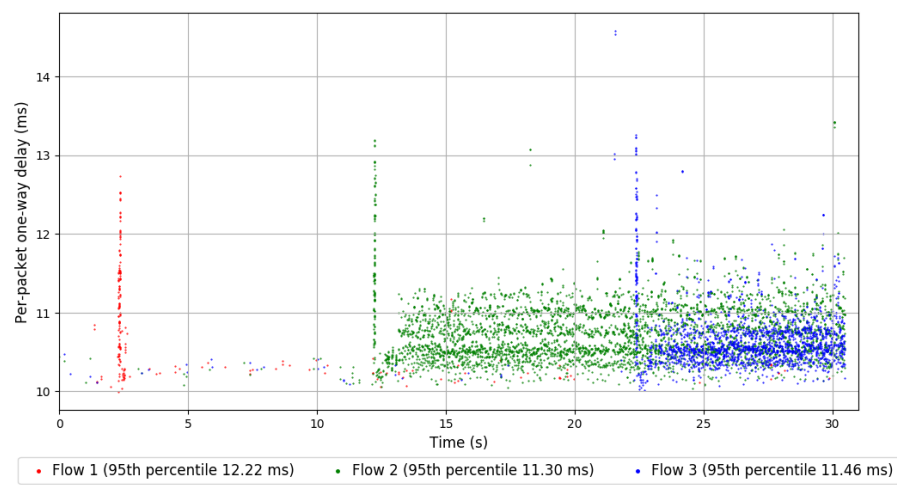
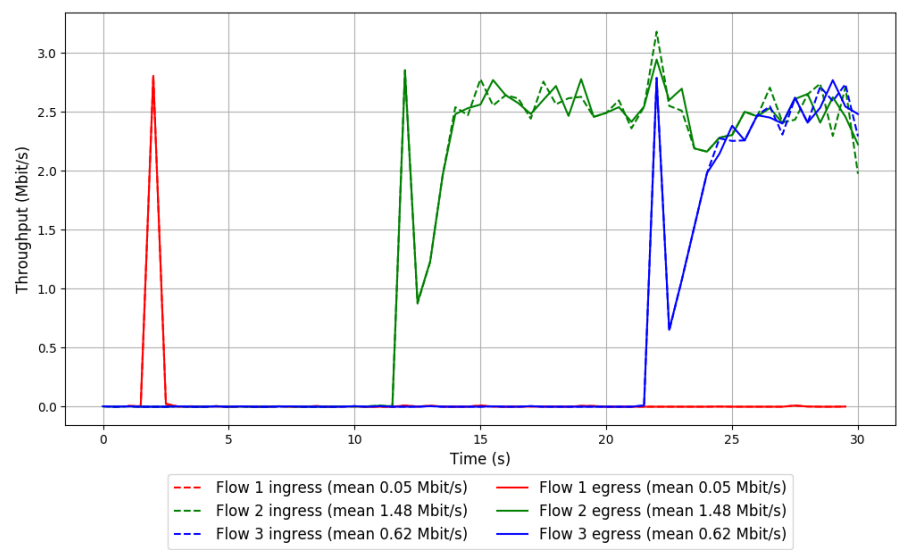
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 11.461 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 20:37:35 +0000

End at: Sun, 09 Jul 2017 20:38:05 +0000

Local clock offset: -3.115 ms

Remote clock offset: -20.068 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 12.635 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 12.543 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 12.724 ms

Loss rate: 0.00%

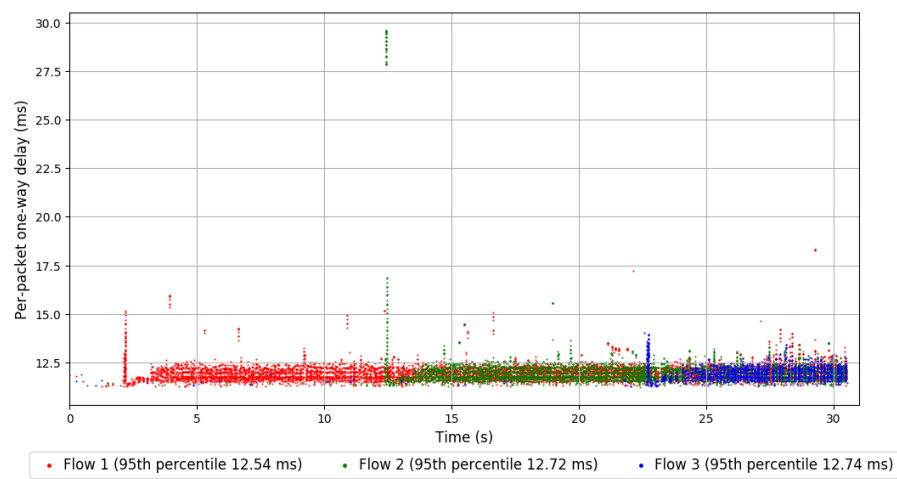
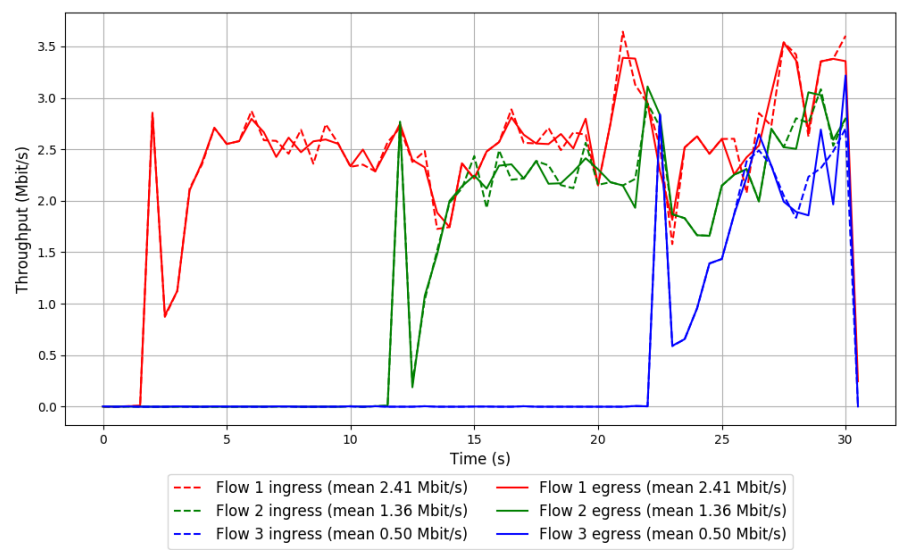
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 12.743 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:55:32 +0000

End at: Sun, 09 Jul 2017 20:56:02 +0000

Local clock offset: -0.003 ms

Remote clock offset: -18.705 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 11.999 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 11.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 12.064 ms

Loss rate: 0.00%

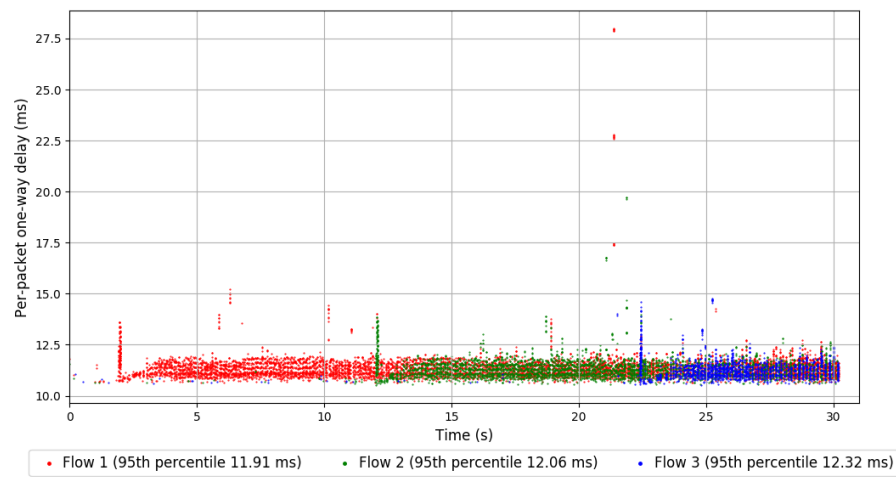
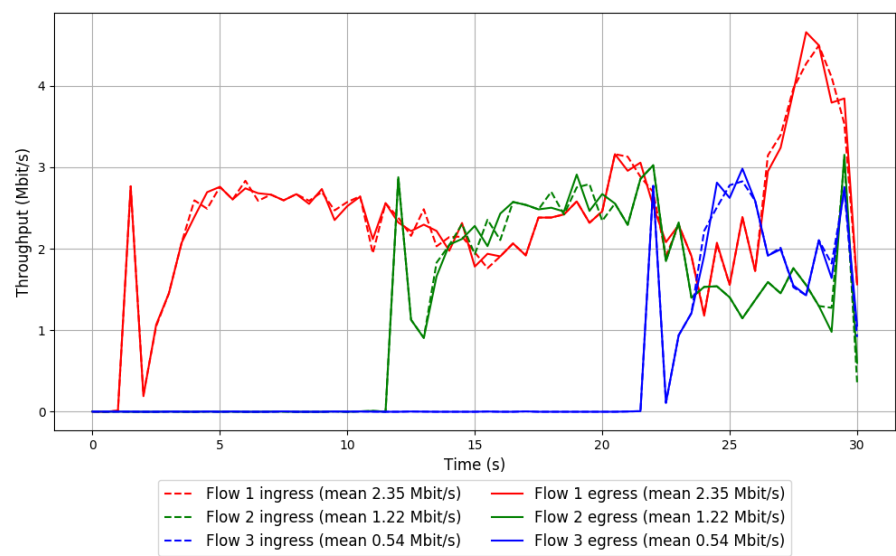
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 12.322 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

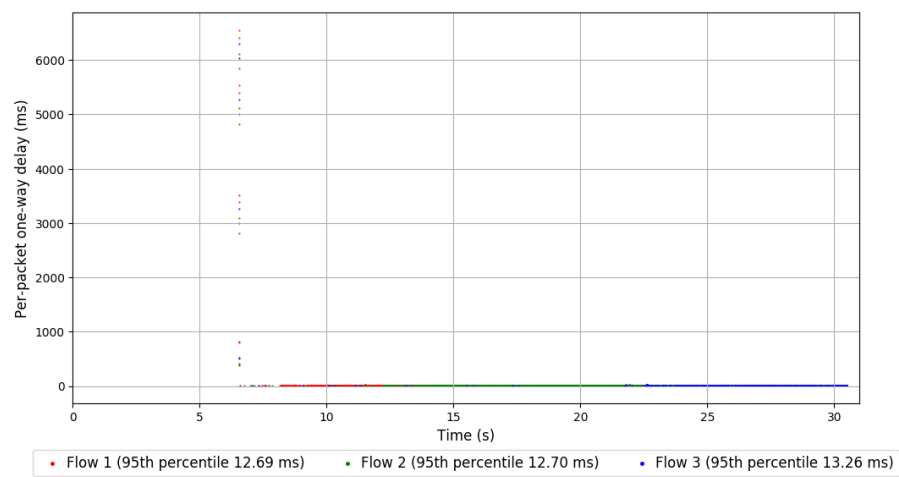
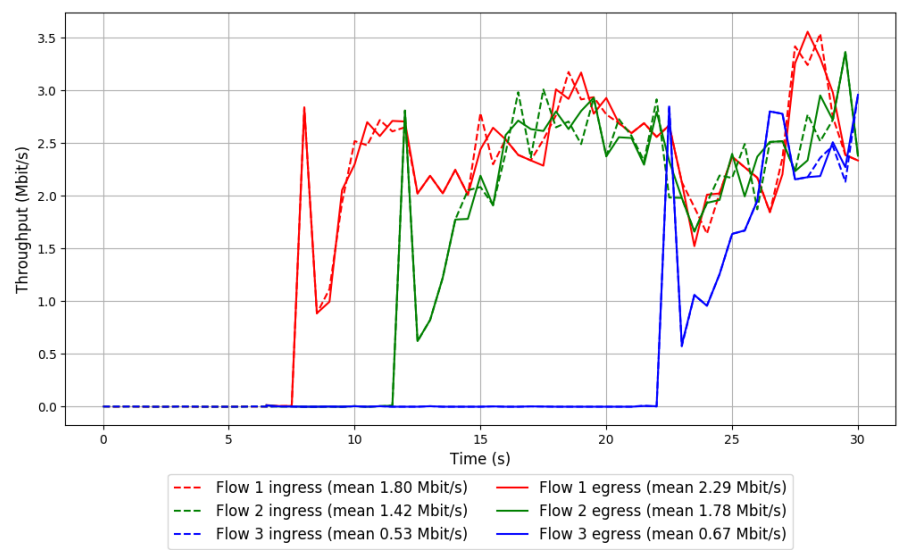
Start at: Sun, 09 Jul 2017 21:13:27 +0000

End at: Sun, 09 Jul 2017 21:13:57 +0000

Local clock offset: 0.219 ms

Remote clock offset: -18.901 ms

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:31:21 +0000

End at: Sun, 09 Jul 2017 21:31:51 +0000

Local clock offset: -2.372 ms

Remote clock offset: -21.316 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 13.461 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 13.418 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 13.378 ms

Loss rate: 0.00%

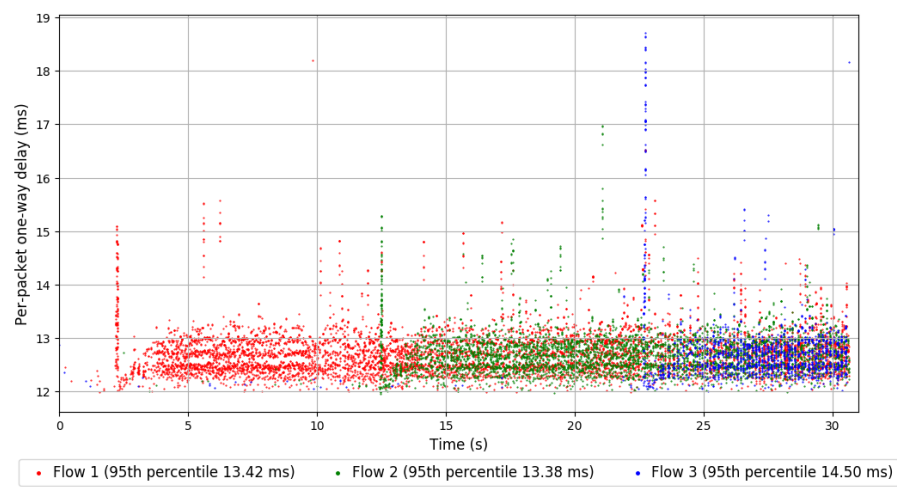
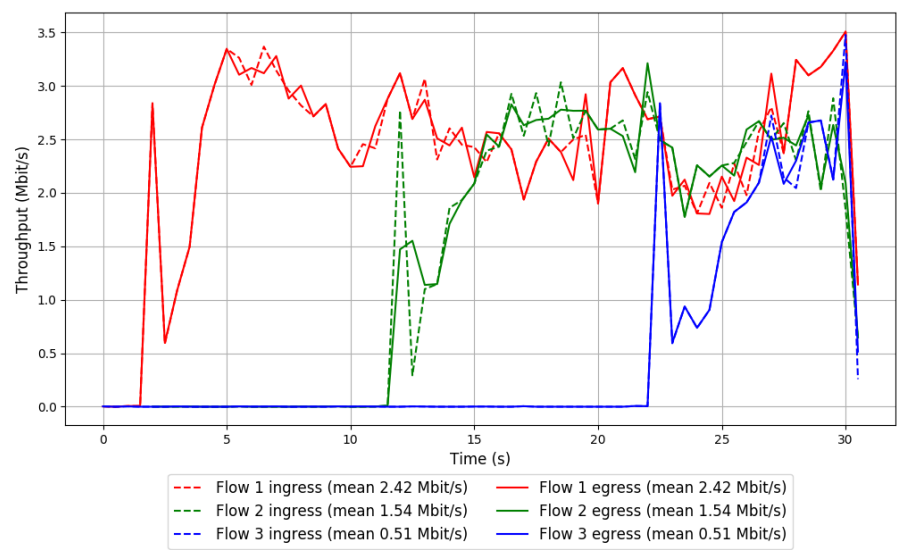
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 14.498 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:49:21 +0000

End at: Sun, 09 Jul 2017 21:49:51 +0000

Local clock offset: 0.27 ms

Remote clock offset: -17.091 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 12.402 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 12.368 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 12.367 ms

Loss rate: 0.00%

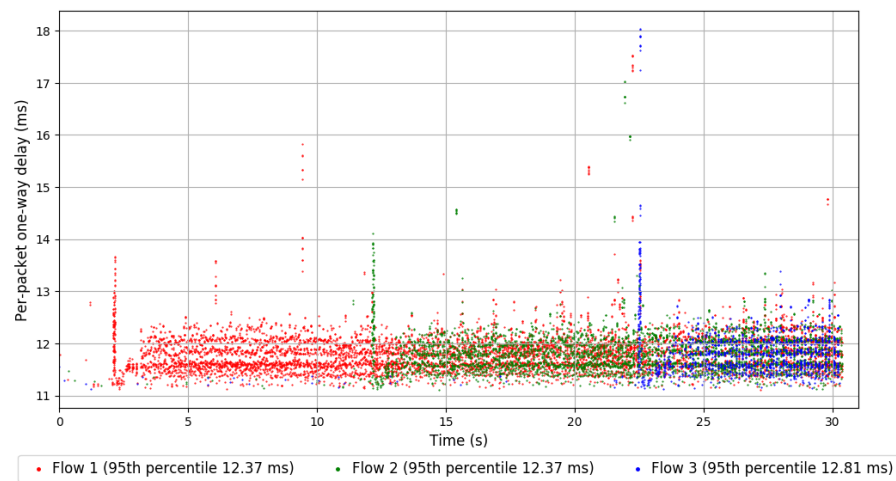
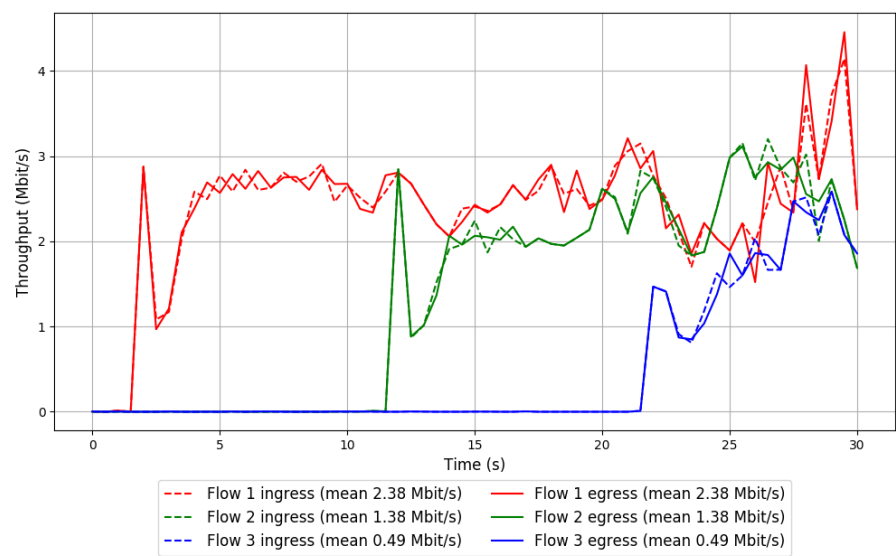
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 12.808 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:07:18 +0000

End at: Sun, 09 Jul 2017 22:07:48 +0000

Local clock offset: 0.869 ms

Remote clock offset: -18.845 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 12.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 12.271 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 12.352 ms

Loss rate: 0.00%

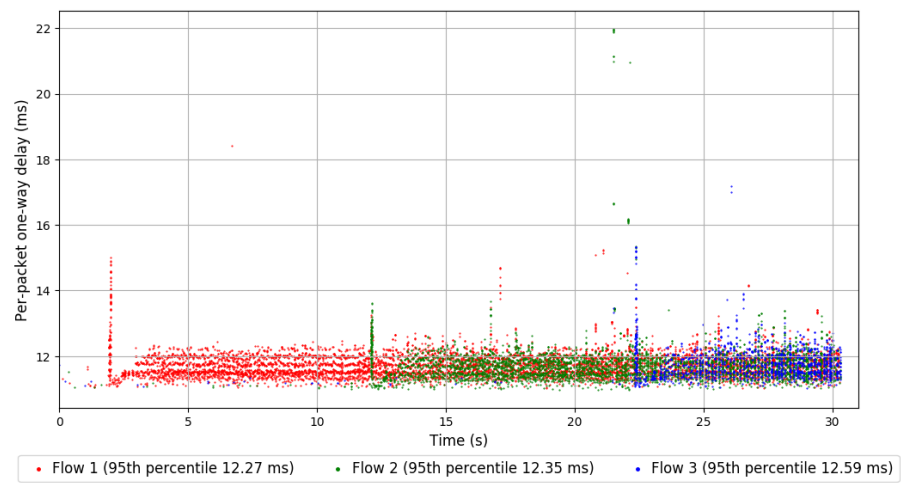
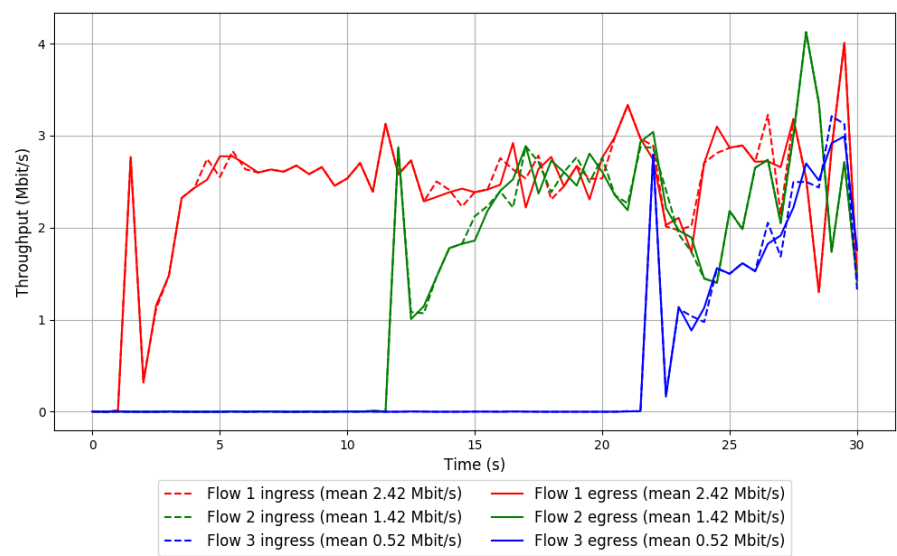
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 12.594 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:25:11 +0000

End at: Sun, 09 Jul 2017 22:25:41 +0000

Local clock offset: 1.027 ms

Remote clock offset: -16.874 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 10.998 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 10.894 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 11.129 ms

Loss rate: 0.00%

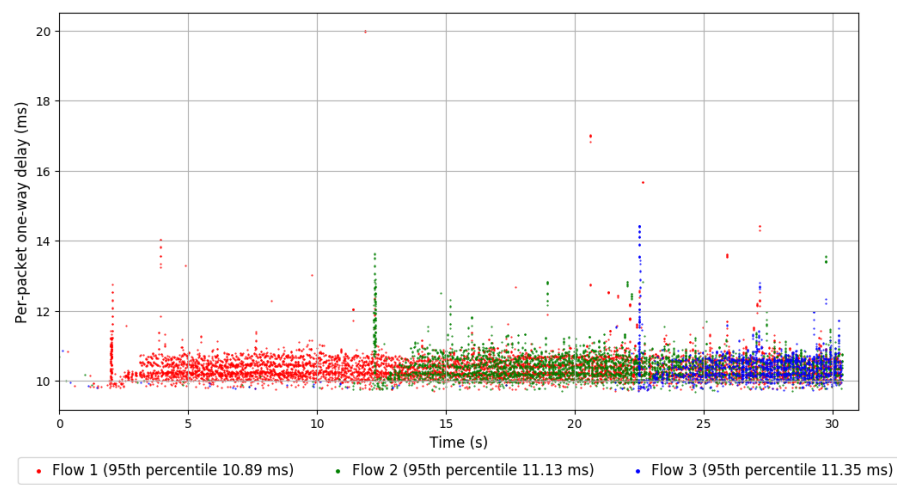
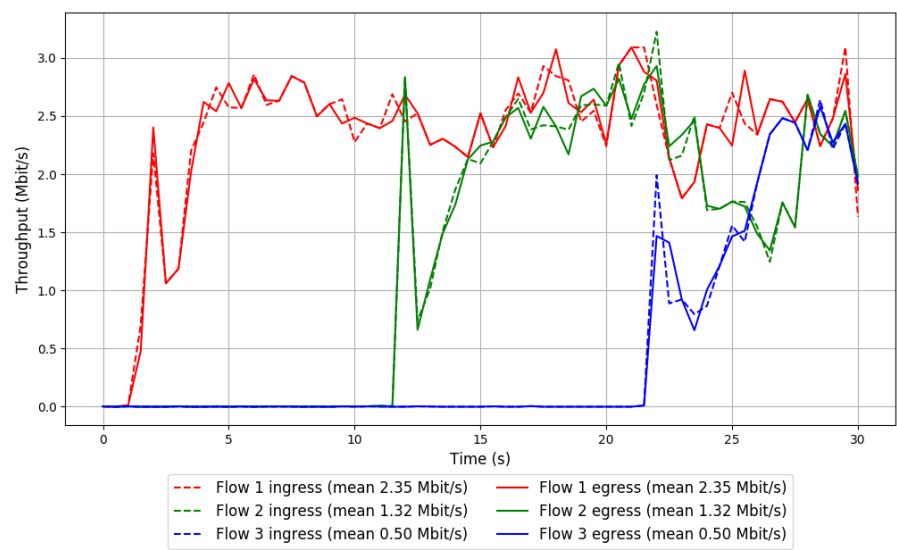
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 11.345 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:43:02 +0000

End at: Sun, 09 Jul 2017 22:43:32 +0000

Local clock offset: 1.489 ms

Remote clock offset: -16.681 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:41:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 11.535 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 11.452 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 11.605 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 11.789 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

