

Pantheon Summary (Generated at Mon, 10 Jul 2017 02:56:58 +0000 with pantheon version c3610718e2bbac84102e8ac47b889a75d4392d79)

Repeated the test of 15 congestion control schemes 10 times.

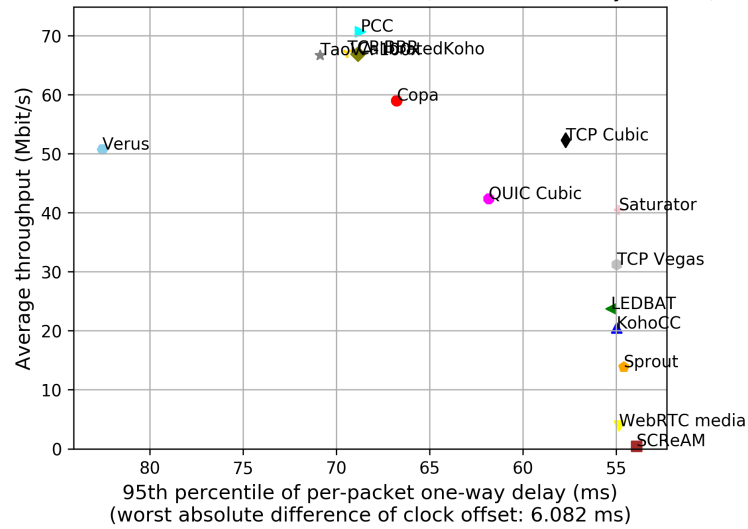
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** Colombia Ethernet **to** AWS Brazil 2 Ethernet.

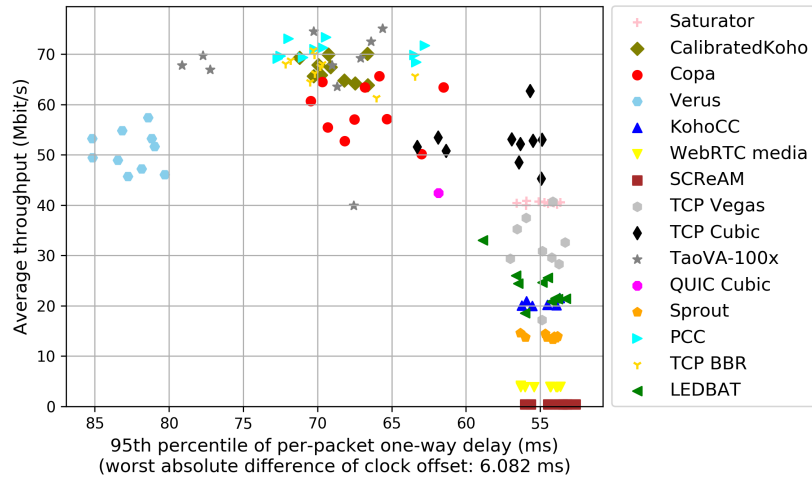
NTP offset measured against gps.ntp.br.

```
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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia Ethernet to AWS Brazil 2 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	42.05	30.67	13.13	69.24	69.41	69.25	9.92	12.55	16.00
CalibratedKoho	10	49.09	20.36	12.99	67.78	68.57	69.99	3.45	4.23	5.23
Copa	10	33.70	25.87	24.58	65.69	65.02	67.54	8.86	10.66	19.08
TCP Cubic	10	29.19	23.52	22.90	56.67	58.35	57.95	1.07	1.40	2.73
KohoCC	10	10.14	10.06	9.73	55.01	54.81	54.91	0.47	0.66	1.33
LEDBAT	10	13.88	10.93	7.95	55.25	54.76	55.80	0.77	1.04	2.08
PCC	10	53.67	20.53	10.36	68.74	68.27	68.22	9.08	7.94	6.84
QUIC Cubic	10	38.08	42.93	39.07	62.22	61.14	61.78	1.98	1.11	3.40
Saturator	10	20.40	20.28	20.11	54.86	54.67	55.05	0.44	0.65	1.27
SCReAM	10	0.22	0.22	0.22	53.65	53.94	53.71	0.38	0.63	1.00
Sprout	10	7.21	6.89	6.49	54.22	54.55	54.67	0.44	0.79	1.65
TaoVA-100x	10	52.60	18.30	5.91	70.21	72.35	70.08	16.17	18.37	21.54
TCP Vegas	10	13.76	18.25	20.26	661.96	54.88	55.19	1.30	1.31	2.67
Verus	10	35.44	18.23	10.45	81.02	79.83	79.80	69.34	49.30	53.03
WebRTC media	10	2.24	1.32	0.34	54.68	54.93	54.98	0.50	0.69	2.89

Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:11:39 +0000

End at: Sun, 09 Jul 2017 23:12:09 +0000

Local clock offset: 0.474 ms

Remote clock offset: -4.62 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 63.441 ms

Loss rate: 13.42%

-- Flow 1:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 63.401 ms

Loss rate: 10.92%

-- Flow 2:

Average throughput: 32.57 Mbit/s

95th percentile per-packet one-way delay: 63.539 ms

Loss rate: 17.22%

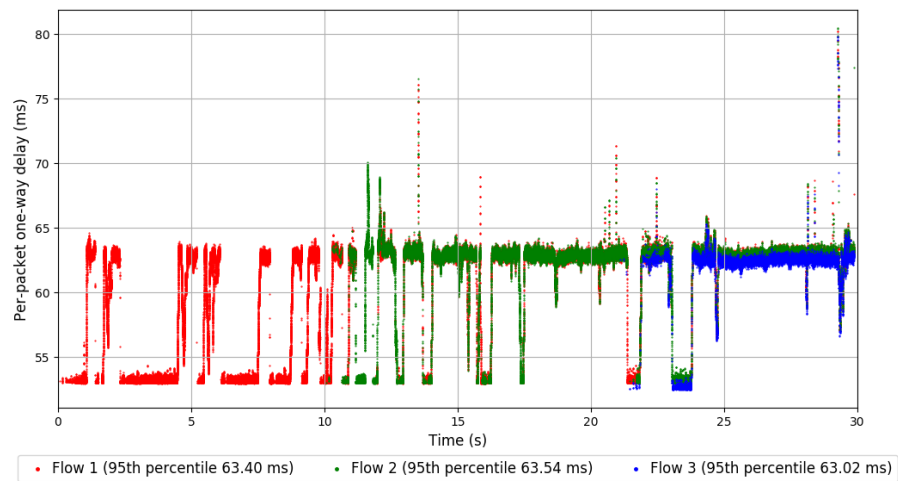
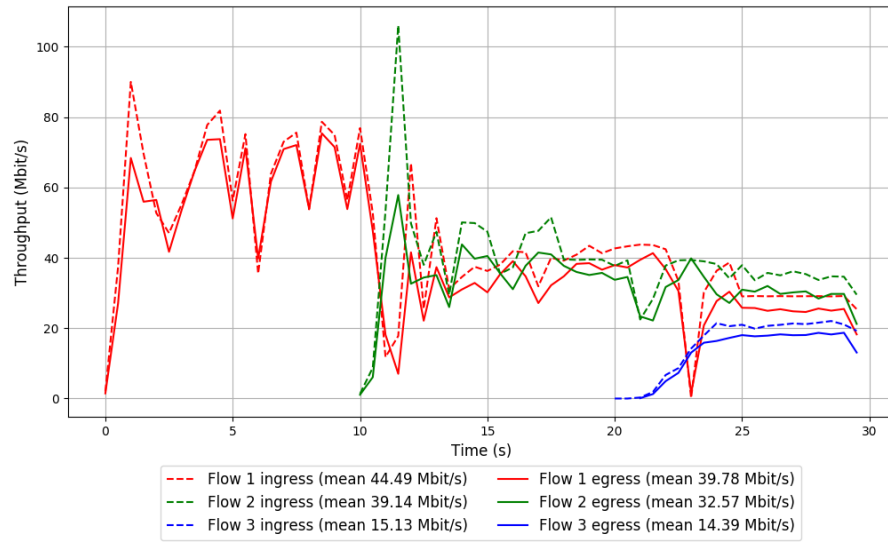
-- Flow 3:

Average throughput: 14.39 Mbit/s

95th percentile per-packet one-way delay: 63.020 ms

Loss rate: 15.90%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:30:25 +0000

End at: Sun, 09 Jul 2017 23:30:55 +0000

Local clock offset: 0.515 ms

Remote clock offset: -4.718 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:47:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 70.283 ms

Loss rate: 8.52%

-- Flow 1:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 70.118 ms

Loss rate: 7.24%

-- Flow 2:

Average throughput: 30.77 Mbit/s

95th percentile per-packet one-way delay: 70.480 ms

Loss rate: 10.51%

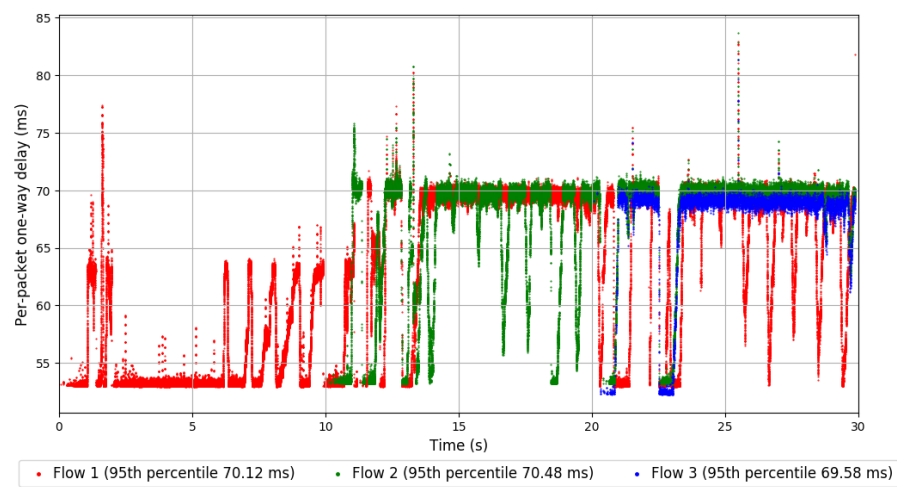
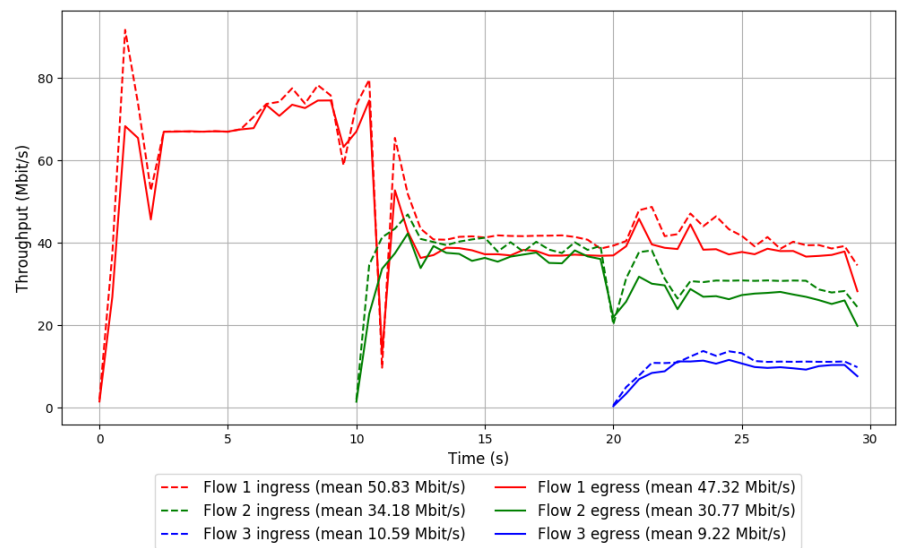
-- Flow 3:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 69.583 ms

Loss rate: 14.06%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 23:48:46 +0000

End at: Sun, 09 Jul 2017 23:49:16 +0000

Local clock offset: 0.503 ms

Remote clock offset: -4.965 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.23 Mbit/s

95th percentile per-packet one-way delay: 70.184 ms

Loss rate: 10.31%

-- Flow 1:

Average throughput: 42.42 Mbit/s

95th percentile per-packet one-way delay: 70.099 ms

Loss rate: 8.24%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 70.381 ms

Loss rate: 12.83%

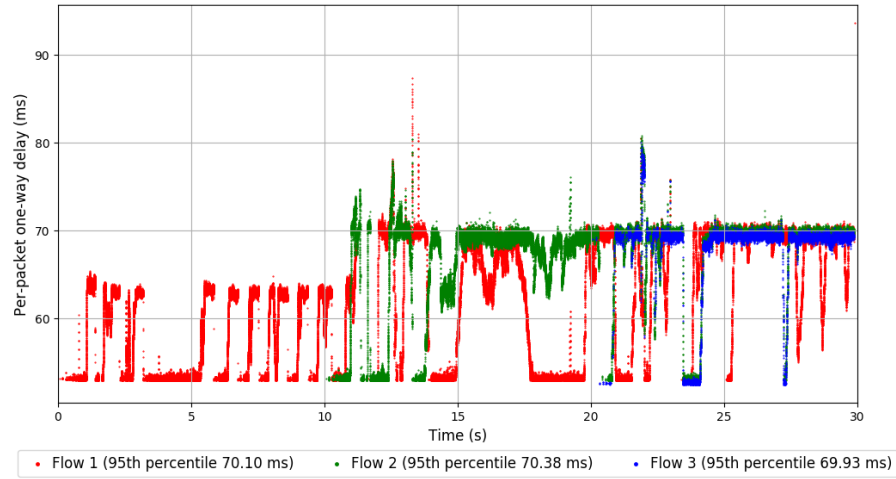
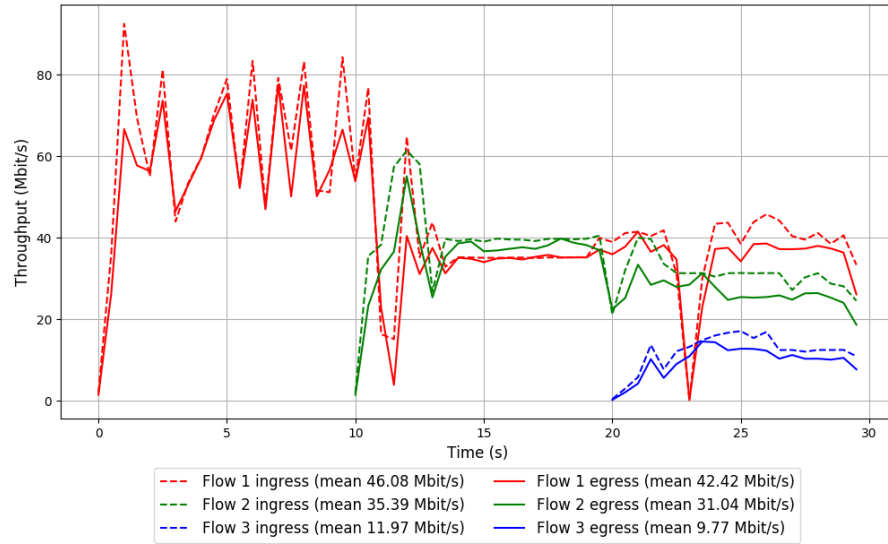
-- Flow 3:

Average throughput: 9.77 Mbit/s

95th percentile per-packet one-way delay: 69.932 ms

Loss rate: 19.51%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 00:07:11 +0000

End at: Mon, 10 Jul 2017 00:07:41 +0000

Local clock offset: 0.549 ms

Remote clock offset: -5.305 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.06 Mbit/s

95th percentile per-packet one-way delay: 69.681 ms

Loss rate: 11.40%

-- Flow 1:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 69.604 ms

Loss rate: 9.96%

-- Flow 2:

Average throughput: 35.19 Mbit/s

95th percentile per-packet one-way delay: 69.820 ms

Loss rate: 13.80%

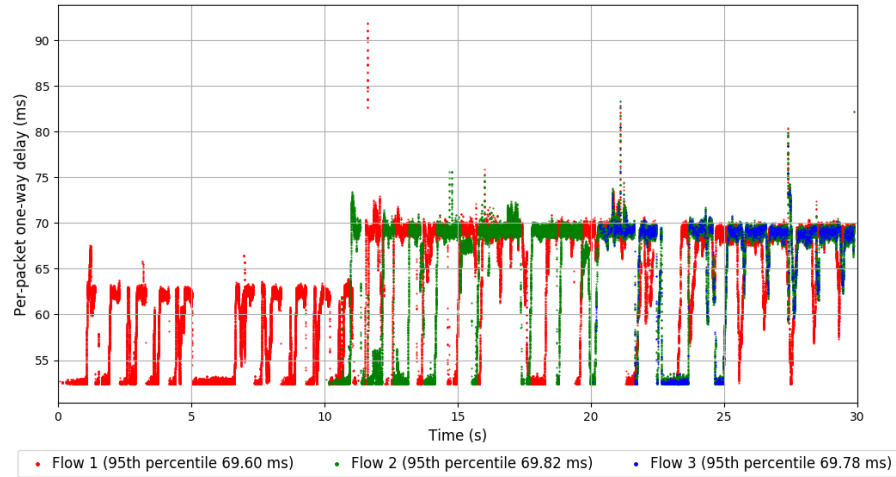
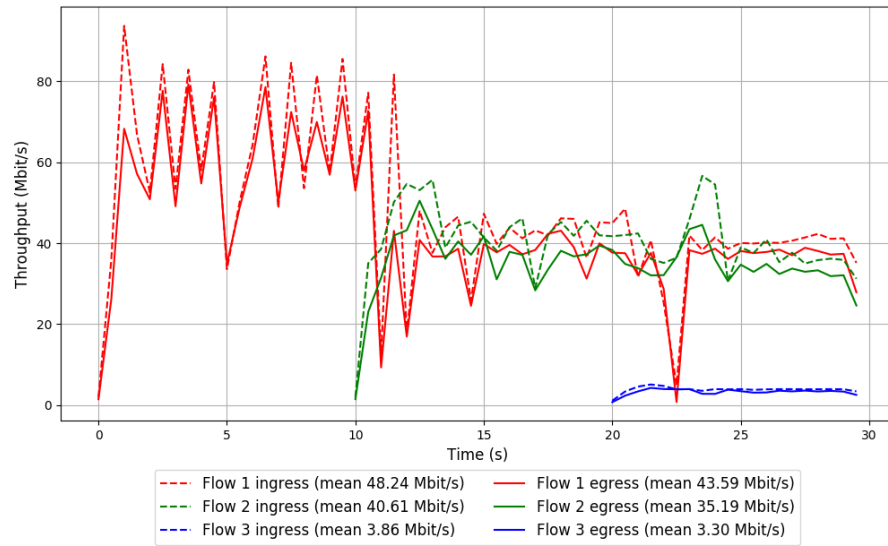
-- Flow 3:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 69.776 ms

Loss rate: 15.43%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 00:25:50 +0000

End at: Mon, 10 Jul 2017 00:26:20 +0000

Local clock offset: 0.565 ms

Remote clock offset: -5.517 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 69.820 ms

Loss rate: 10.39%

-- Flow 1:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 69.790 ms

Loss rate: 9.07%

-- Flow 2:

Average throughput: 36.21 Mbit/s

95th percentile per-packet one-way delay: 69.909 ms

Loss rate: 12.55%

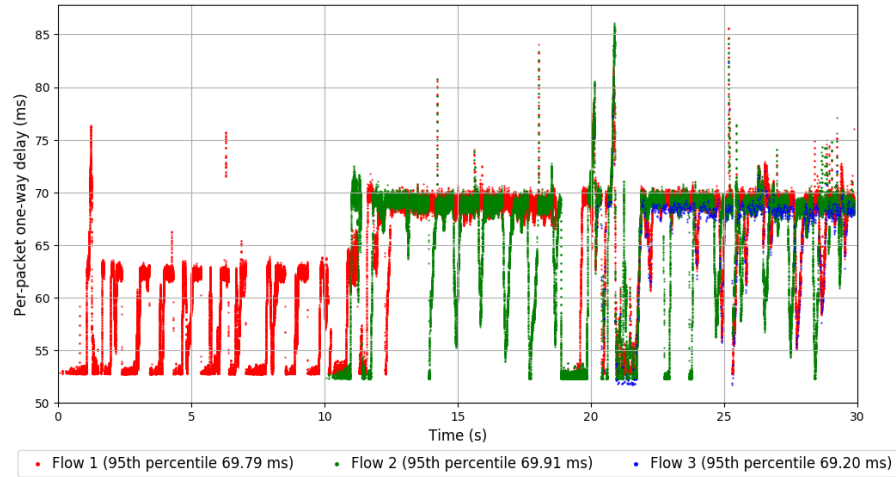
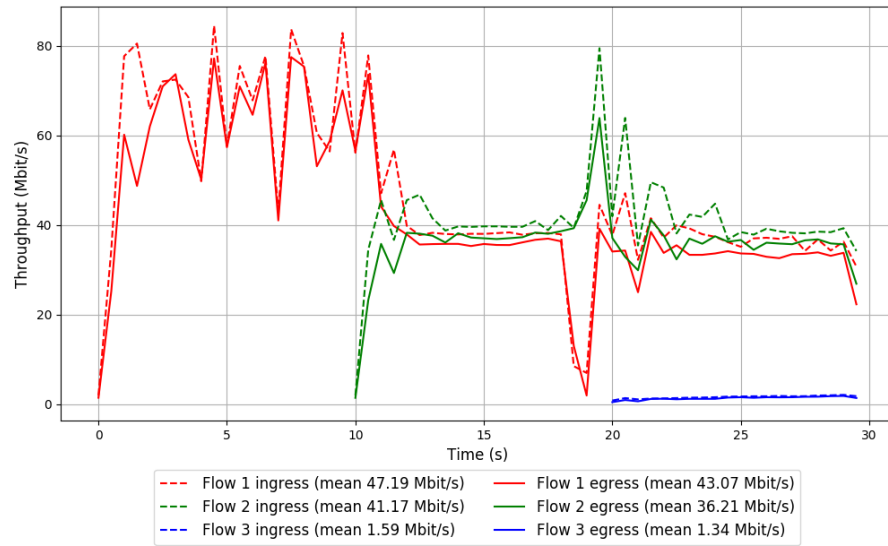
-- Flow 3:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 69.196 ms

Loss rate: 16.78%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 00:44:32 +0000

End at: Mon, 10 Jul 2017 00:45:02 +0000

Local clock offset: 0.515 ms

Remote clock offset: -4.692 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 70.219 ms

Loss rate: 8.99%

-- Flow 1:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 69.814 ms

Loss rate: 9.49%

-- Flow 2:

Average throughput: 36.41 Mbit/s

95th percentile per-packet one-way delay: 70.470 ms

Loss rate: 7.47%

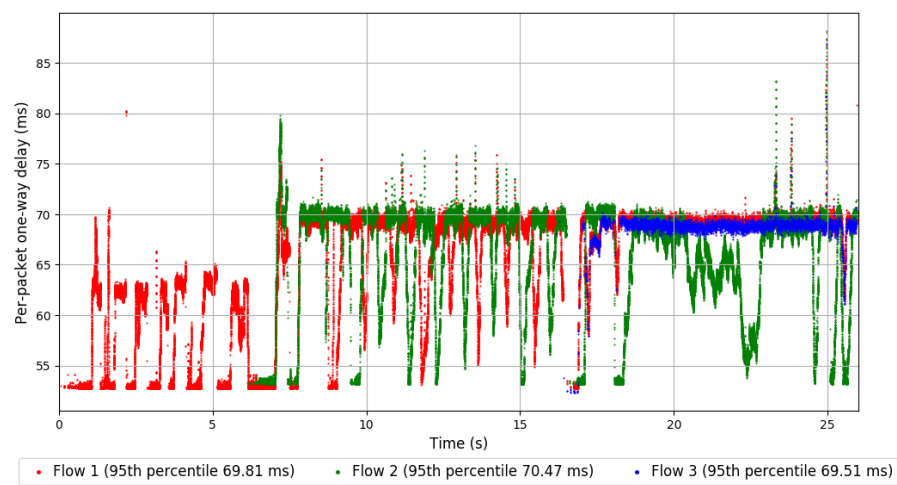
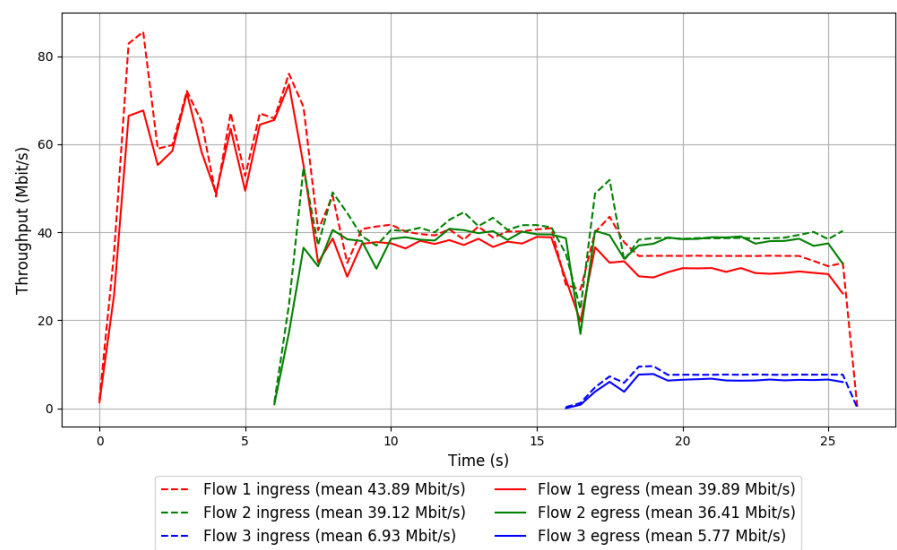
-- Flow 3:

Average throughput: 5.77 Mbit/s

95th percentile per-packet one-way delay: 69.508 ms

Loss rate: 17.83%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:02:52 +0000

End at: Mon, 10 Jul 2017 01:03:22 +0000

Local clock offset: 0.413 ms

Remote clock offset: -4.603 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 70.500 ms

Loss rate: 11.53%

-- Flow 1:

Average throughput: 39.37 Mbit/s

95th percentile per-packet one-way delay: 70.299 ms

Loss rate: 10.74%

-- Flow 2:

Average throughput: 22.88 Mbit/s

95th percentile per-packet one-way delay: 70.279 ms

Loss rate: 11.84%

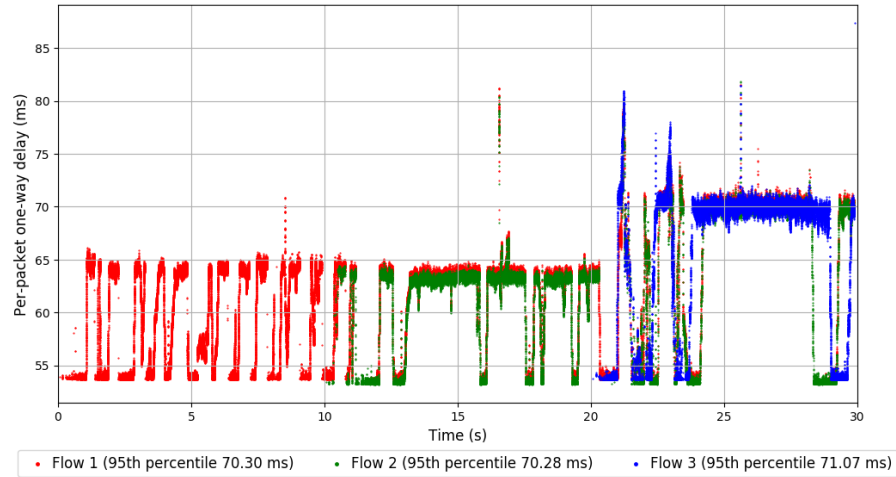
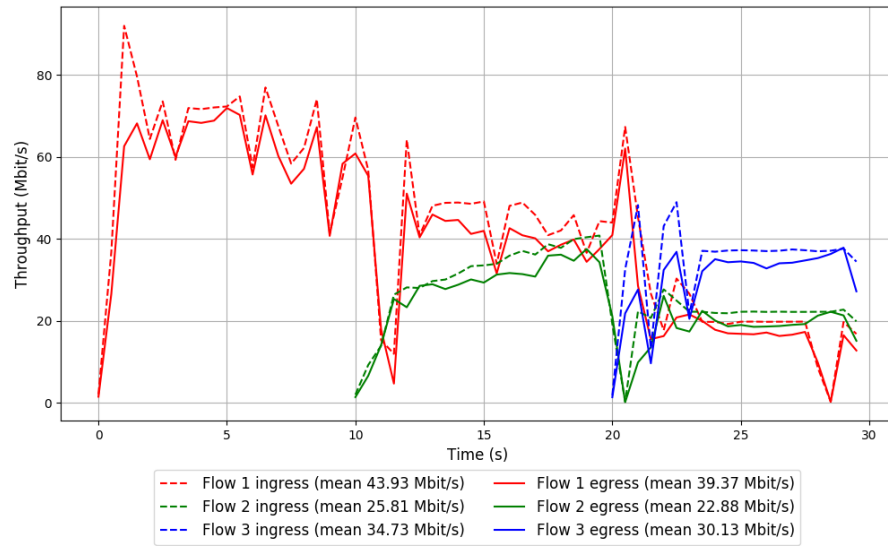
-- Flow 3:

Average throughput: 30.13 Mbit/s

95th percentile per-packet one-way delay: 71.071 ms

Loss rate: 14.12%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:21:33 +0000

End at: Mon, 10 Jul 2017 01:22:03 +0000

Local clock offset: 0.336 ms

Remote clock offset: -3.401 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.37 Mbit/s

95th percentile per-packet one-way delay: 66.026 ms

Loss rate: 10.78%

-- Flow 1:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 66.113 ms

Loss rate: 10.37%

-- Flow 2:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 65.622 ms

Loss rate: 11.17%

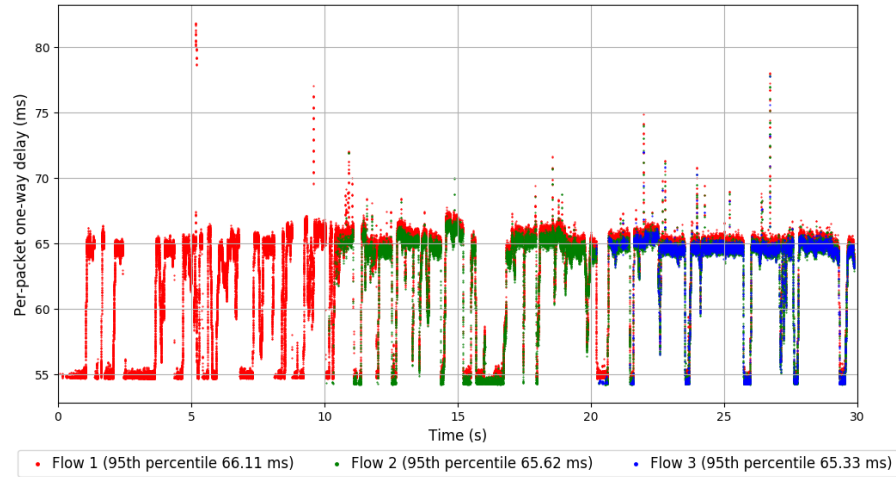
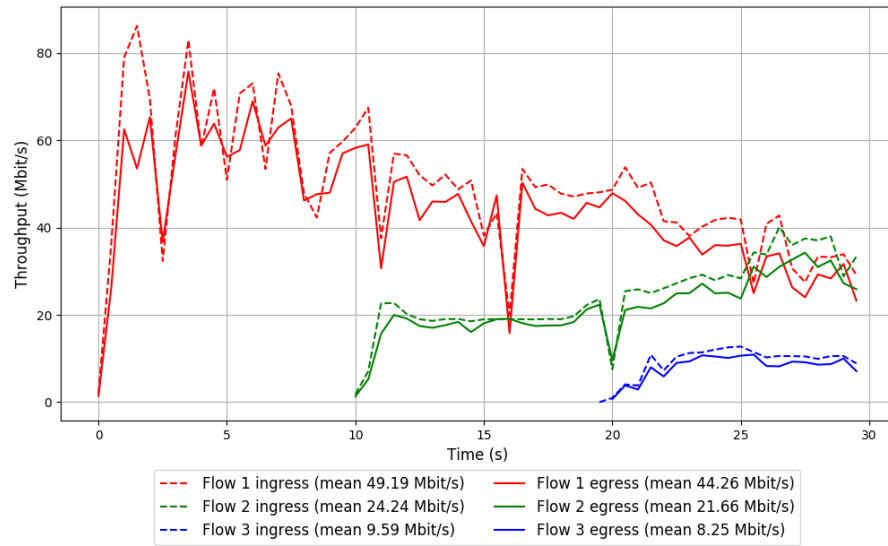
-- Flow 3:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 65.335 ms

Loss rate: 15.13%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:40:06 +0000

End at: Mon, 10 Jul 2017 01:40:36 +0000

Local clock offset: 0.412 ms

Remote clock offset: -3.012 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.80 Mbit/s

95th percentile per-packet one-way delay: 71.824 ms

Loss rate: 12.53%

-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 70.933 ms

Loss rate: 11.68%

-- Flow 2:

Average throughput: 25.41 Mbit/s

95th percentile per-packet one-way delay: 71.697 ms

Loss rate: 16.83%

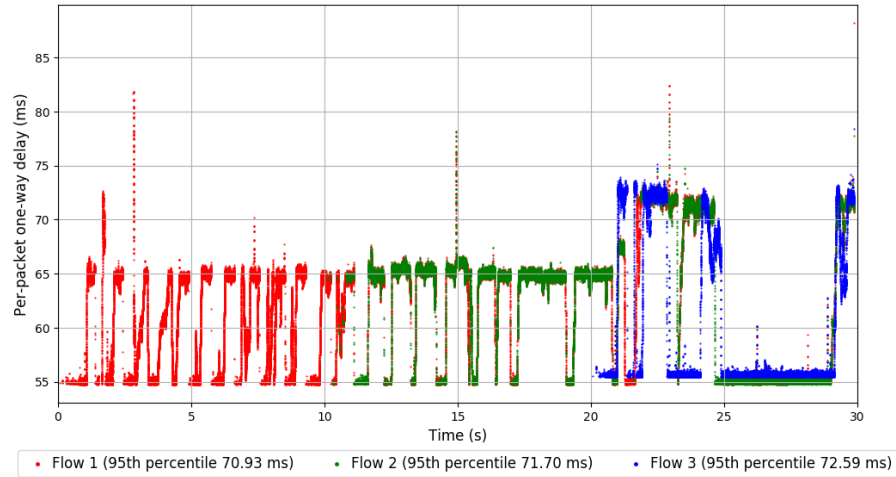
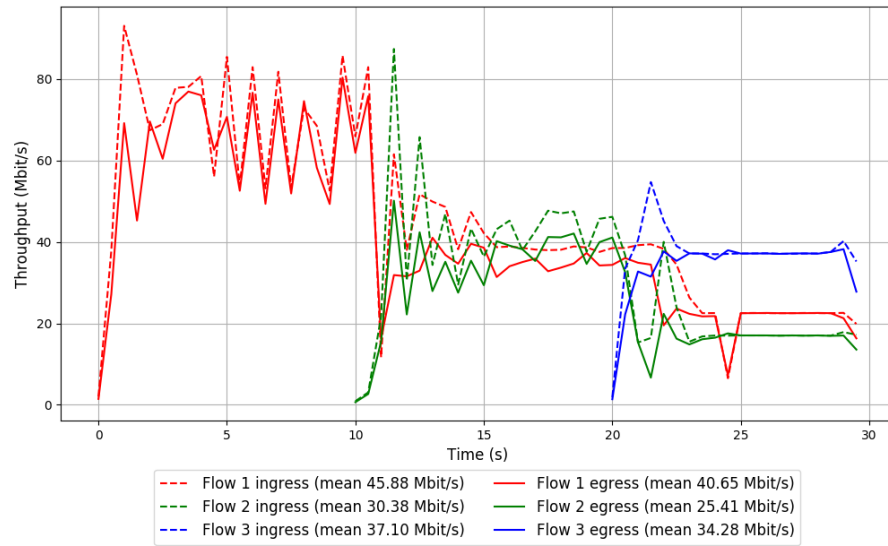
-- Flow 3:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 72.594 ms

Loss rate: 8.65%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Mon, 10 Jul 2017 01:58:31 +0000

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

Local clock offset: 0.373 ms

Remote clock offset: -2.502 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.05 Mbit/s

95th percentile per-packet one-way delay: 72.171 ms

Loss rate: 12.32%

-- Flow 1:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 72.187 ms

Loss rate: 11.49%

-- Flow 2:

Average throughput: 34.59 Mbit/s

95th percentile per-packet one-way delay: 71.913 ms

Loss rate: 11.29%

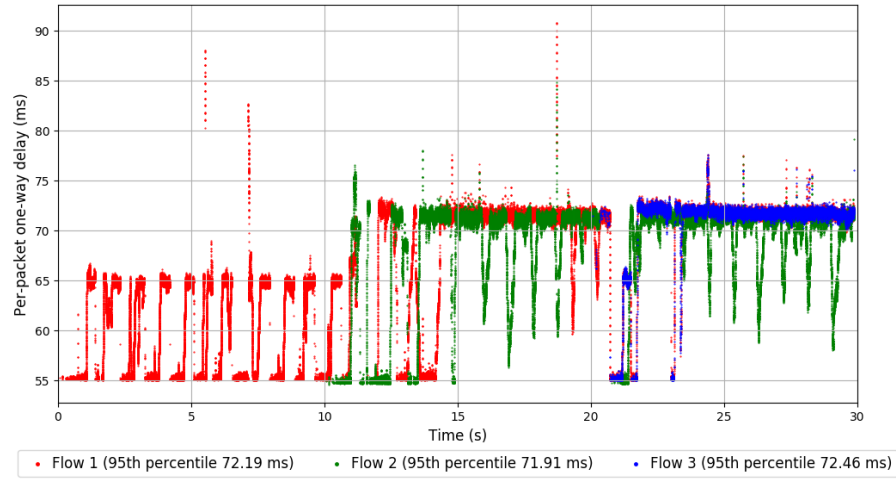
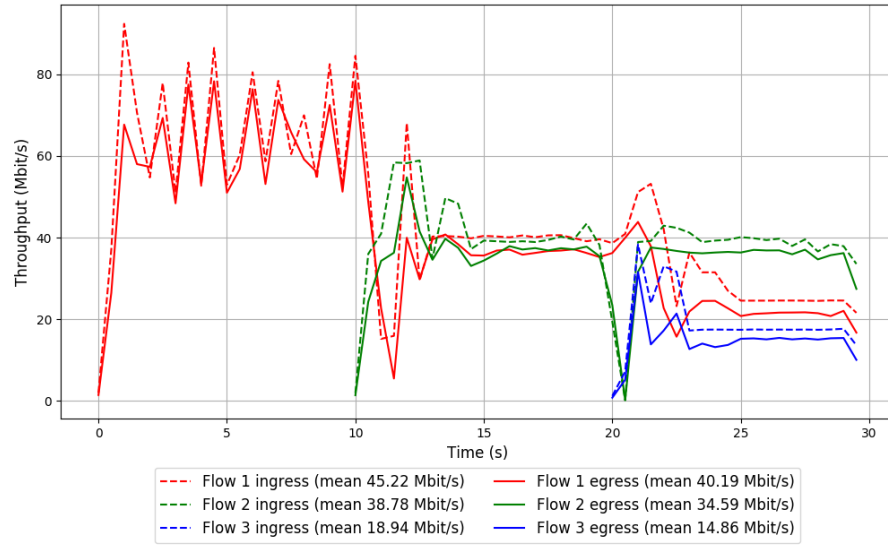
-- Flow 3:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 72.463 ms

Loss rate: 22.59%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:10:22 +0000

End at: Sun, 09 Jul 2017 23:10:52 +0000

Local clock offset: 0.503 ms

Remote clock offset: -4.526 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 69.130 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 45.30 Mbit/s

95th percentile per-packet one-way delay: 69.000 ms

Loss rate: 2.69%

-- Flow 2:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 69.208 ms

Loss rate: 2.33%

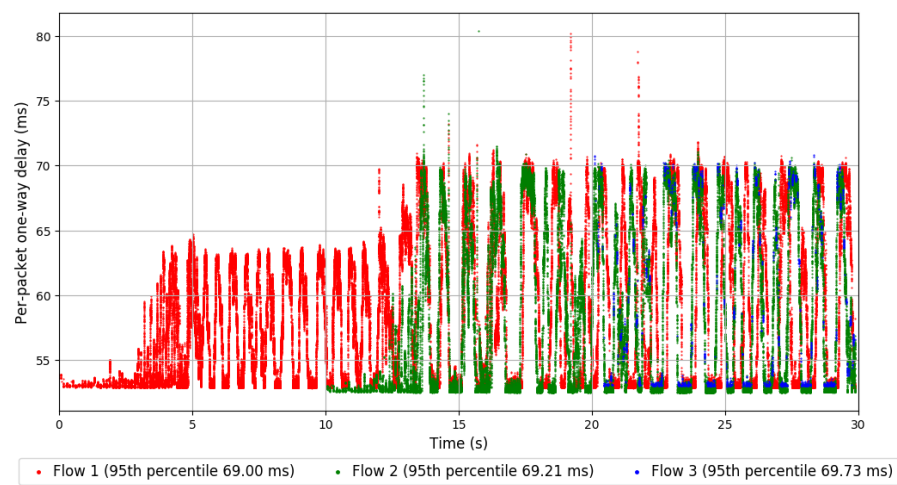
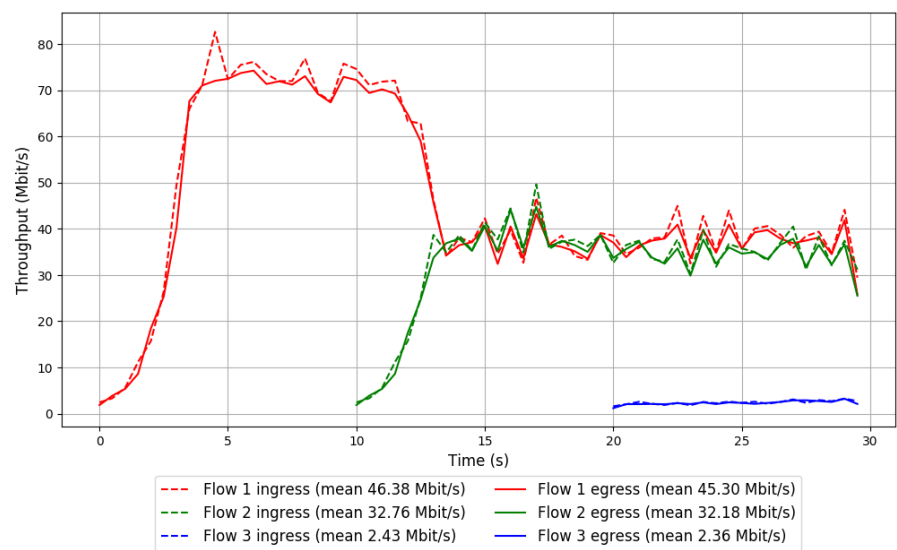
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 69.729 ms

Loss rate: 4.14%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:29:08 +0000

End at: Sun, 09 Jul 2017 23:29:38 +0000

Local clock offset: 0.53 ms

Remote clock offset: -4.646 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 69.271 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 69.267 ms

Loss rate: 2.53%

-- Flow 2:

Average throughput: 34.36 Mbit/s

95th percentile per-packet one-way delay: 69.279 ms

Loss rate: 2.42%

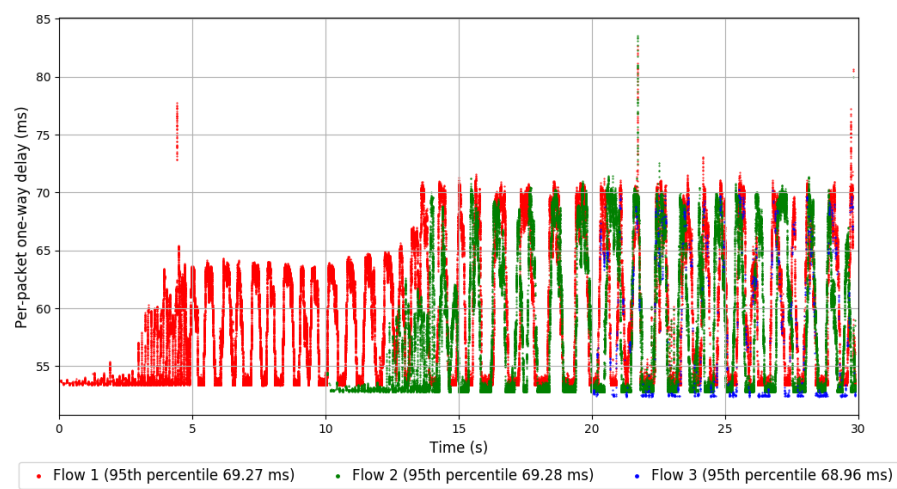
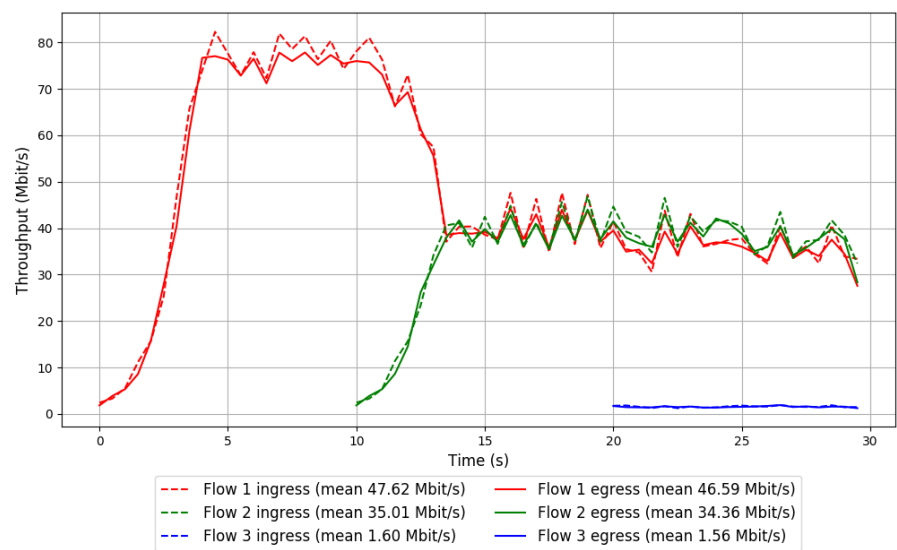
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 68.964 ms

Loss rate: 3.34%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 23:47:30 +0000

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

Local clock offset: 0.434 ms

Remote clock offset: -4.891 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 67.459 ms

Loss rate: 2.84%

-- Flow 1:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 64.816 ms

Loss rate: 2.72%

-- Flow 2:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 66.534 ms

Loss rate: 2.77%

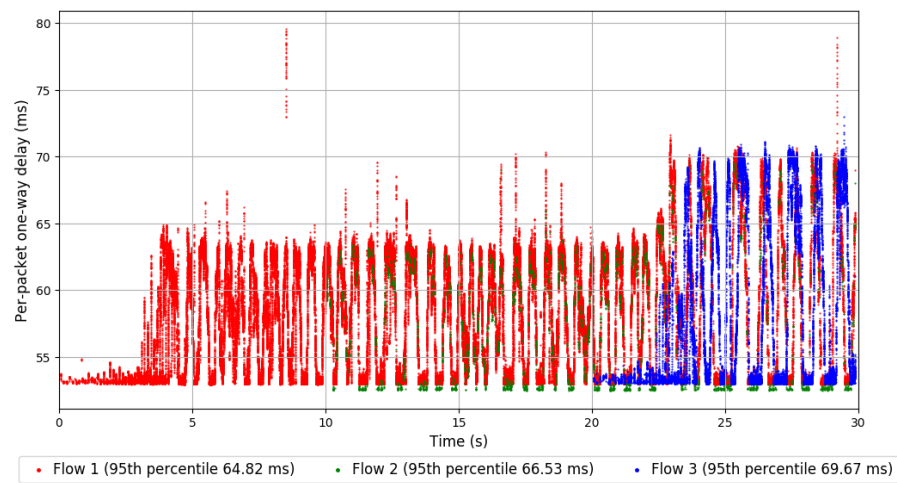
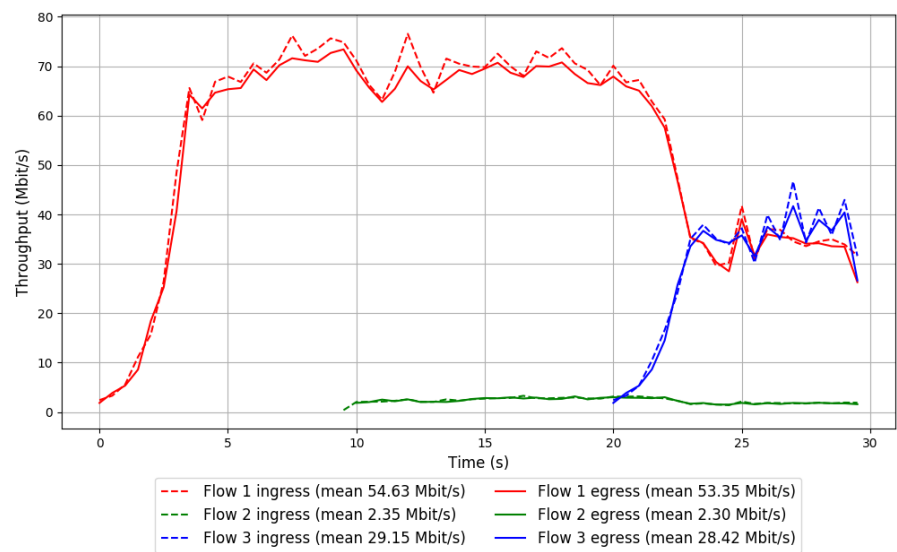
-- Flow 3:

Average throughput: 28.42 Mbit/s

95th percentile per-packet one-way delay: 69.665 ms

Loss rate: 3.57%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:05:55 +0000

End at: Mon, 10 Jul 2017 00:06:25 +0000

Local clock offset: 0.547 ms

Remote clock offset: -5.339 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:48:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 66.616 ms

Loss rate: 3.21%

-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 65.288 ms

Loss rate: 3.31%

-- Flow 2:

Average throughput: 1.61 Mbit/s

95th percentile per-packet one-way delay: 65.327 ms

Loss rate: 2.54%

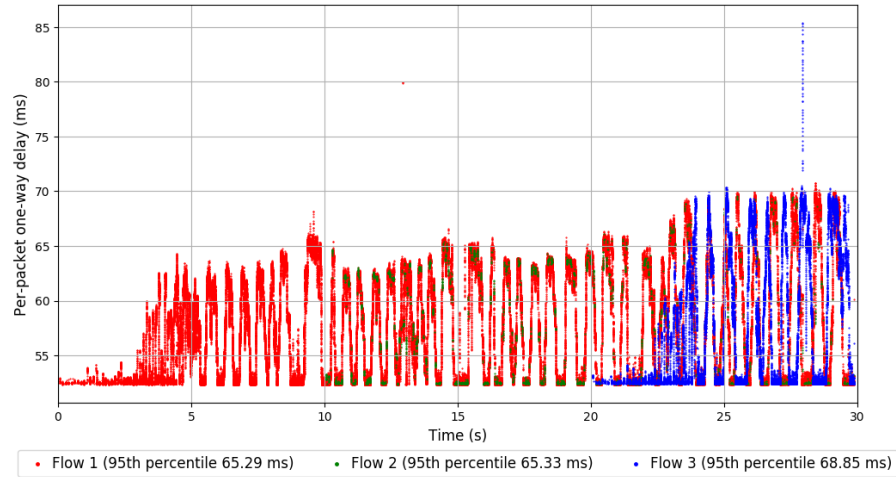
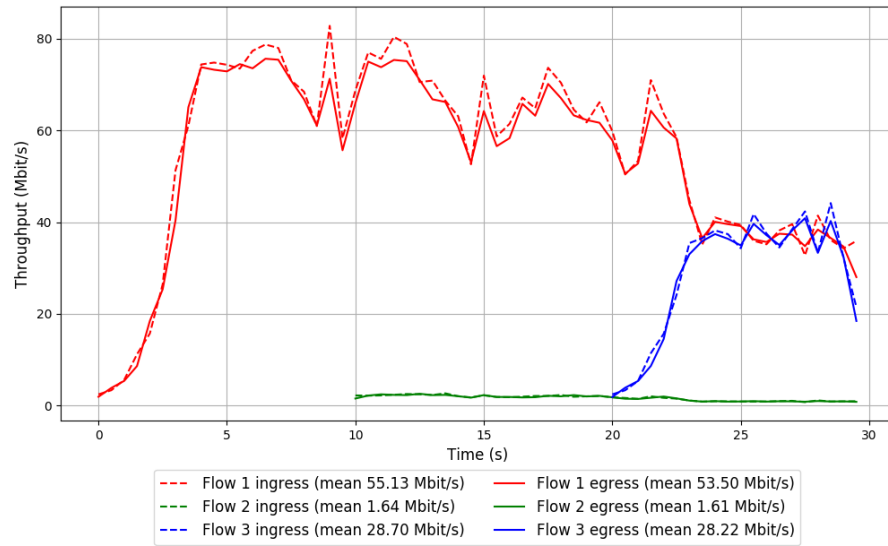
-- Flow 3:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 68.849 ms

Loss rate: 2.76%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:24:34 +0000

End at: Mon, 10 Jul 2017 00:25:04 +0000

Local clock offset: 0.557 ms

Remote clock offset: -4.885 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 68.204 ms

Loss rate: 12.22%

-- Flow 1:

Average throughput: 42.58 Mbit/s

95th percentile per-packet one-way delay: 67.664 ms

Loss rate: 10.12%

-- Flow 2:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 68.889 ms

Loss rate: 15.94%

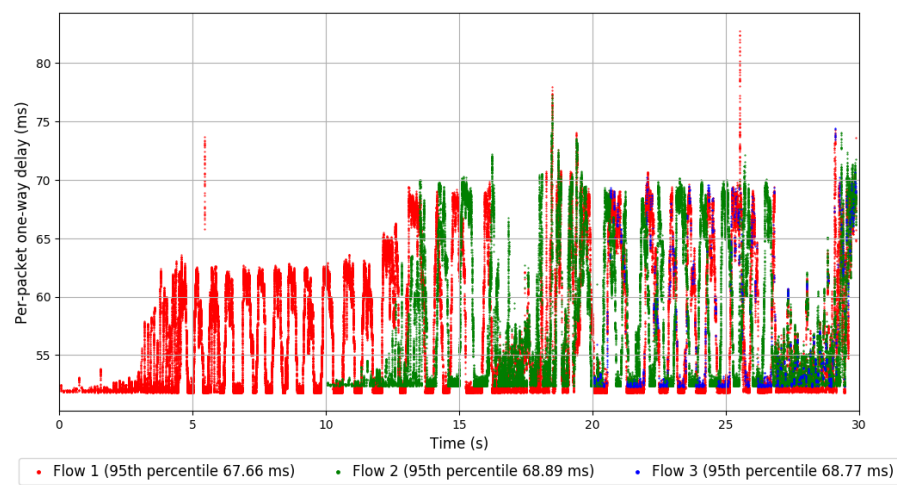
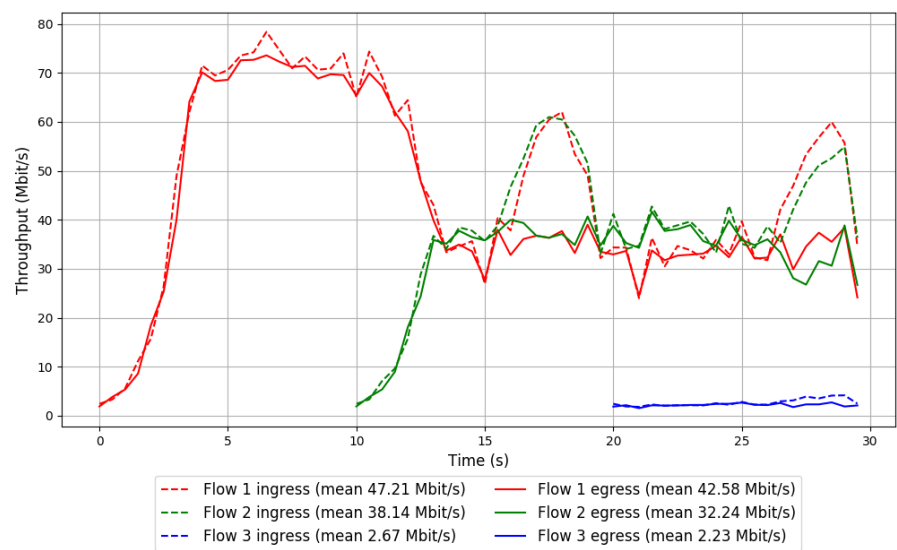
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 68.773 ms

Loss rate: 17.66%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 00:43:16 +0000

End at: Mon, 10 Jul 2017 00:43:46 +0000

Local clock offset: 0.436 ms

Remote clock offset: -4.799 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 66.656 ms

Loss rate: 2.74%

-- Flow 1:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 64.124 ms

Loss rate: 2.62%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 65.527 ms

Loss rate: 5.33%

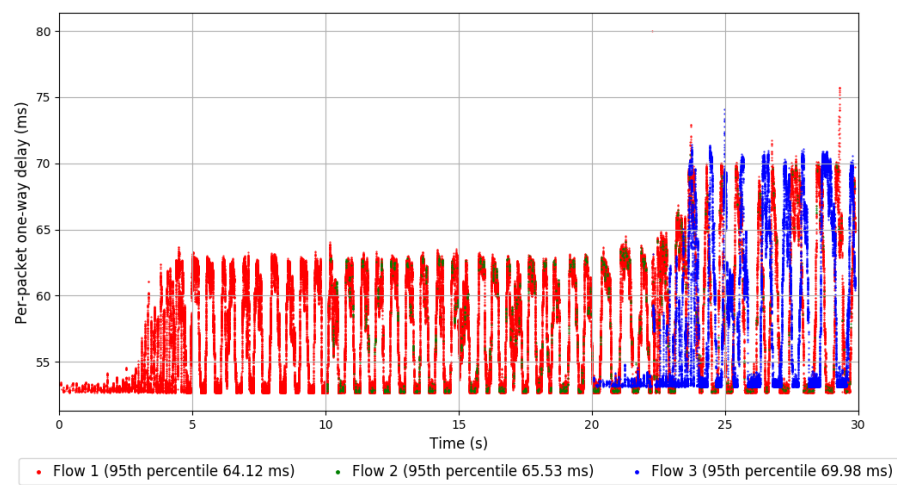
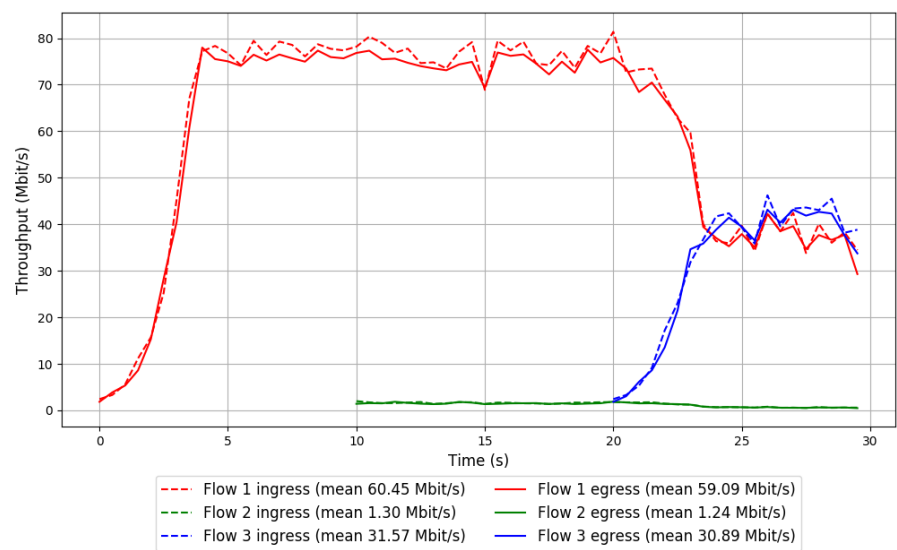
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 69.981 ms

Loss rate: 3.24%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:01:36 +0000

End at: Mon, 10 Jul 2017 01:02:06 +0000

Local clock offset: 0.411 ms

Remote clock offset: -4.549 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 69.771 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 69.731 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 31.99 Mbit/s

95th percentile per-packet one-way delay: 69.791 ms

Loss rate: 2.88%

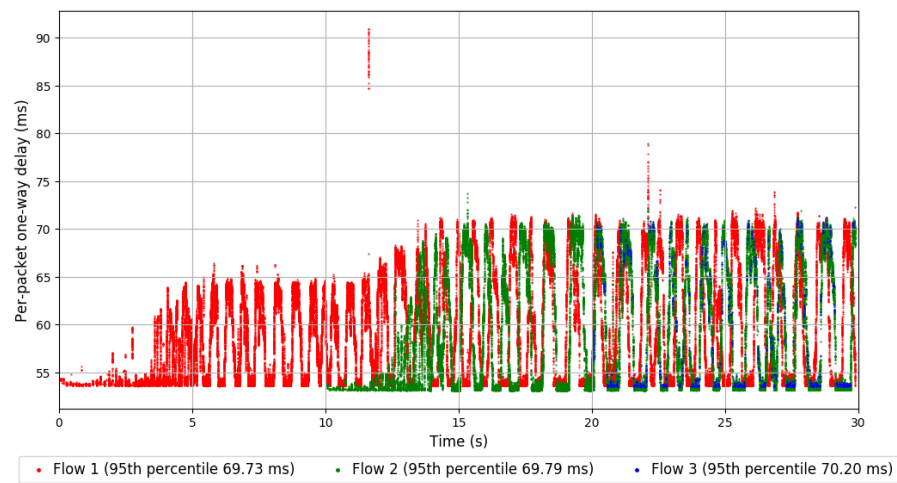
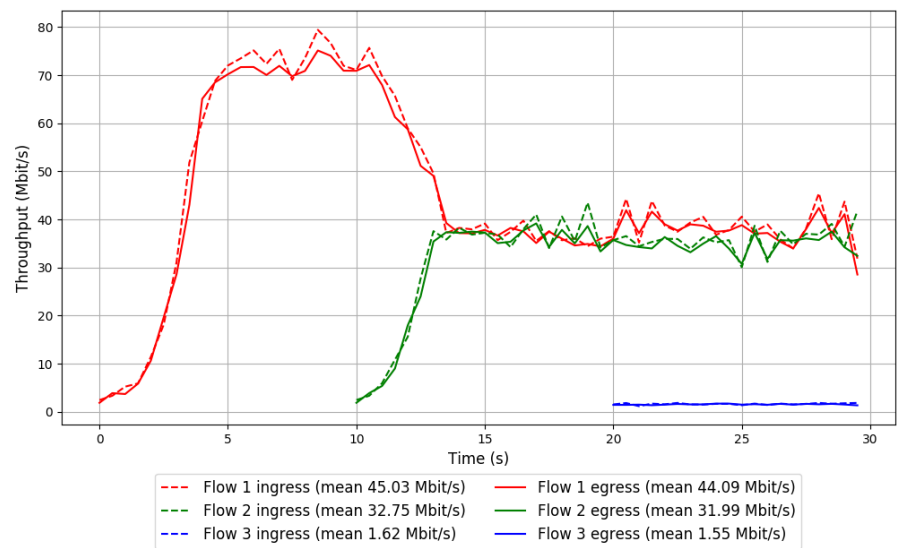
-- Flow 3:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 70.197 ms

Loss rate: 5.54%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:20:17 +0000

End at: Mon, 10 Jul 2017 01:20:47 +0000

Local clock offset: 0.402 ms

Remote clock offset: -3.19 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.60 Mbit/s

95th percentile per-packet one-way delay: 70.266 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 44.53 Mbit/s

95th percentile per-packet one-way delay: 69.885 ms

Loss rate: 2.44%

-- Flow 2:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 70.665 ms

Loss rate: 2.28%

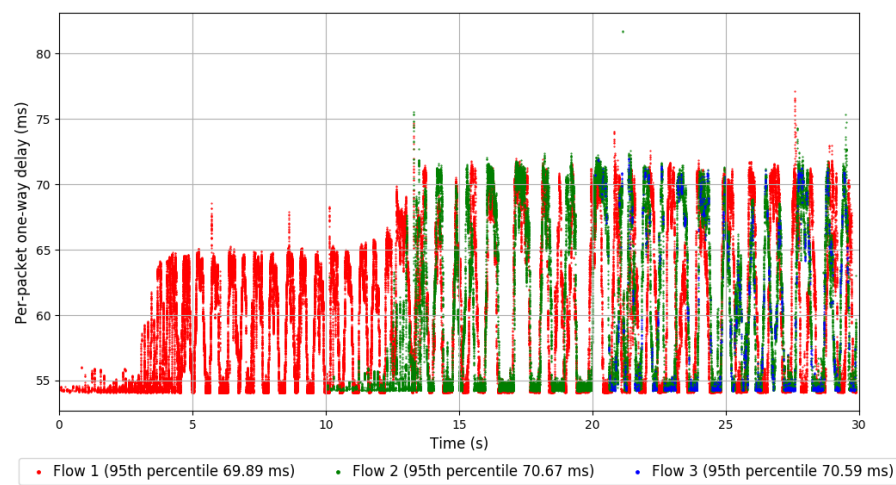
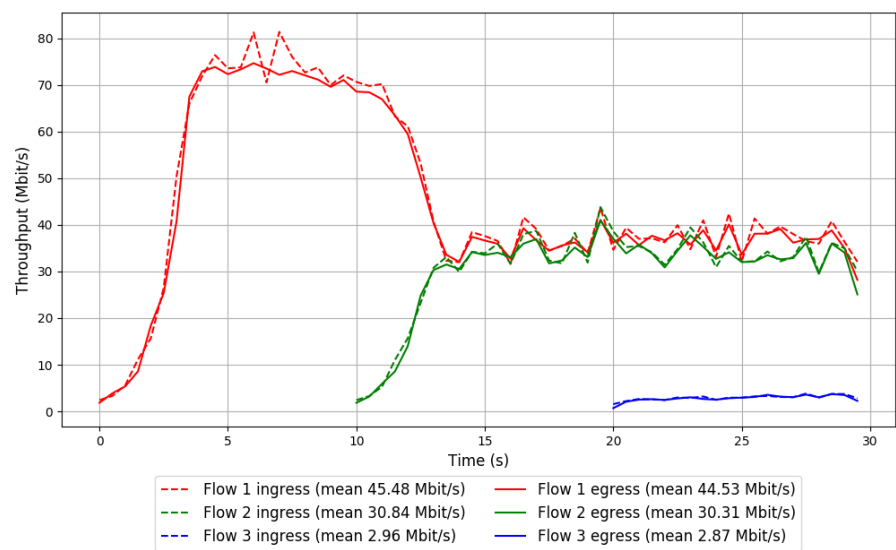
-- Flow 3:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 70.587 ms

Loss rate: 4.22%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:38:49 +0000

End at: Mon, 10 Jul 2017 01:39:19 +0000

Local clock offset: 0.351 ms

Remote clock offset: -2.927 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.86 Mbit/s

95th percentile per-packet one-way delay: 69.947 ms

Loss rate: 3.03%

-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 67.301 ms

Loss rate: 2.86%

-- Flow 2:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 68.611 ms

Loss rate: 3.24%

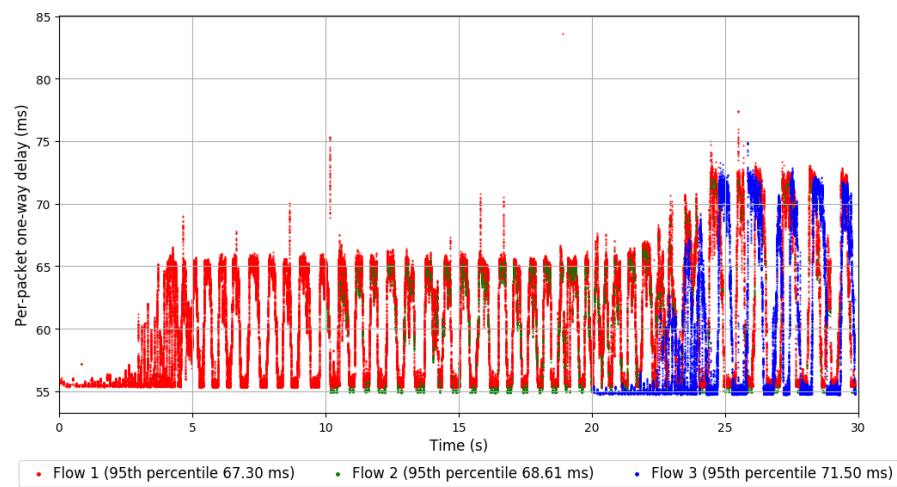
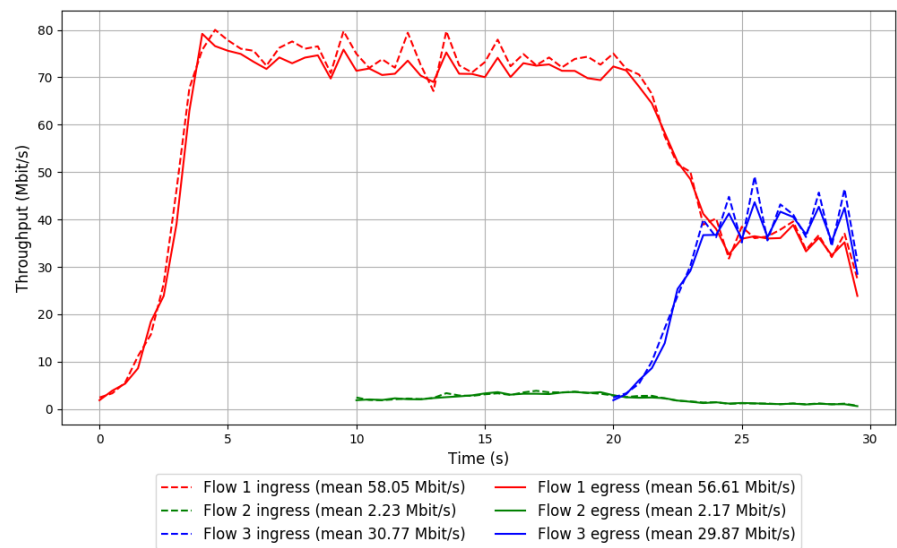
-- Flow 3:

Average throughput: 29.87 Mbit/s

95th percentile per-packet one-way delay: 71.499 ms

Loss rate: 3.99%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Mon, 10 Jul 2017 01:57:15 +0000

End at: Mon, 10 Jul 2017 01:57:45 +0000

Local clock offset: 0.417 ms

Remote clock offset: -2.714 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 71.220 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 45.26 Mbit/s

95th percentile per-packet one-way delay: 70.716 ms

Loss rate: 2.75%

-- Flow 2:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: 71.887 ms

Loss rate: 2.58%

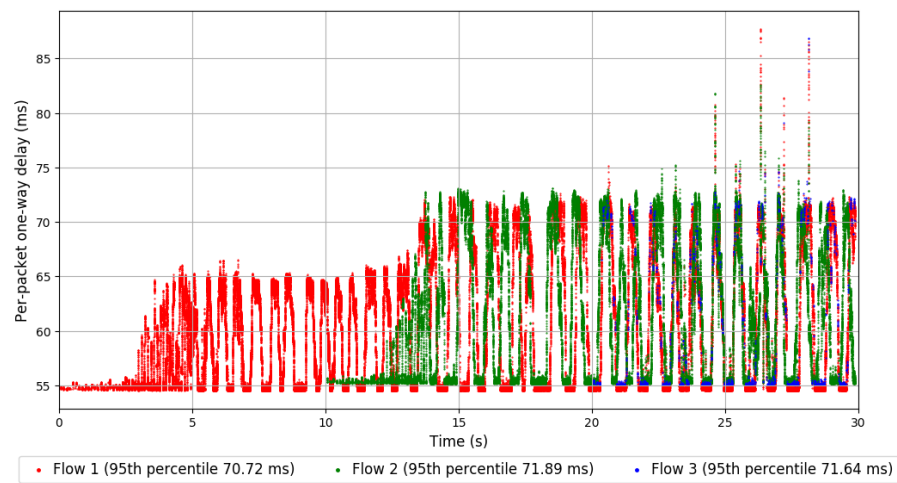
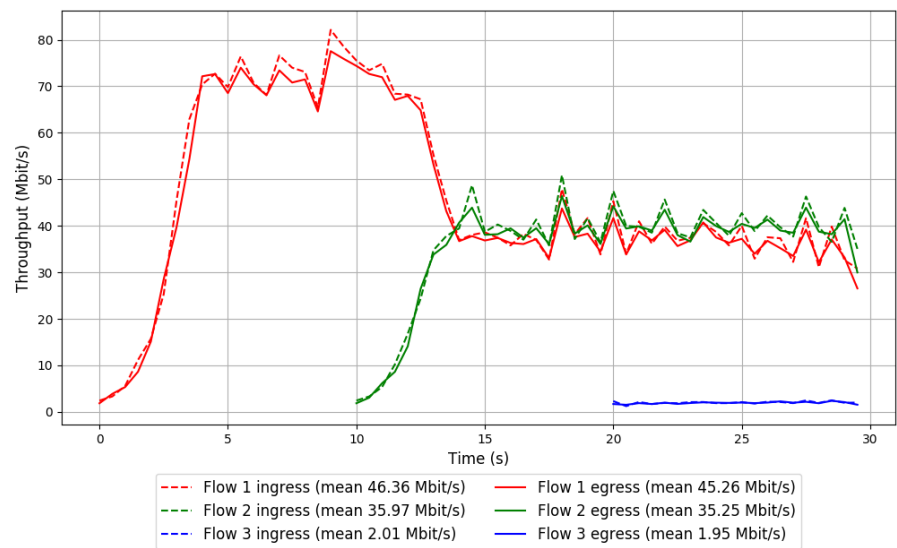
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 71.637 ms

Loss rate: 3.80%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:25:32 +0000

End at: Sun, 09 Jul 2017 23:26:02 +0000

Local clock offset: 0.528 ms

Remote clock offset: -4.521 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 66.819 ms

Loss rate: 7.95%

-- Flow 1:

Average throughput: 35.72 Mbit/s

95th percentile per-packet one-way delay: 66.326 ms

Loss rate: 4.48%

-- Flow 2:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 58.570 ms

Loss rate: 6.67%

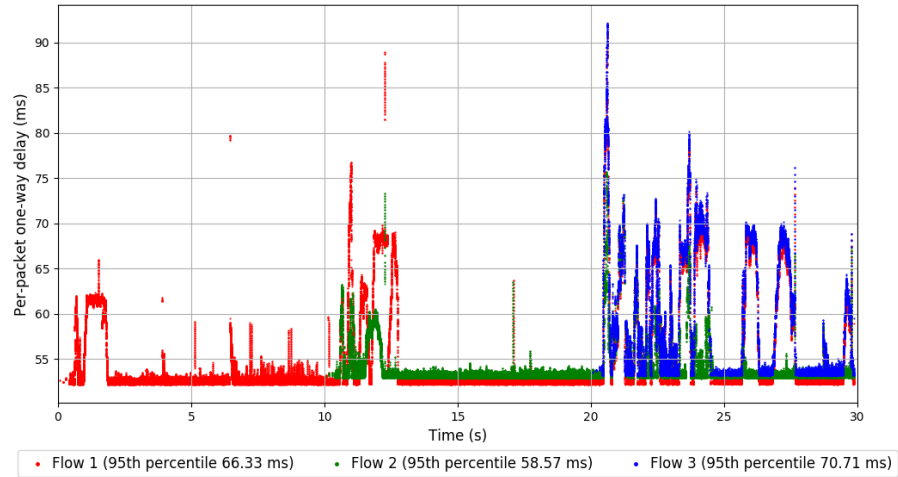
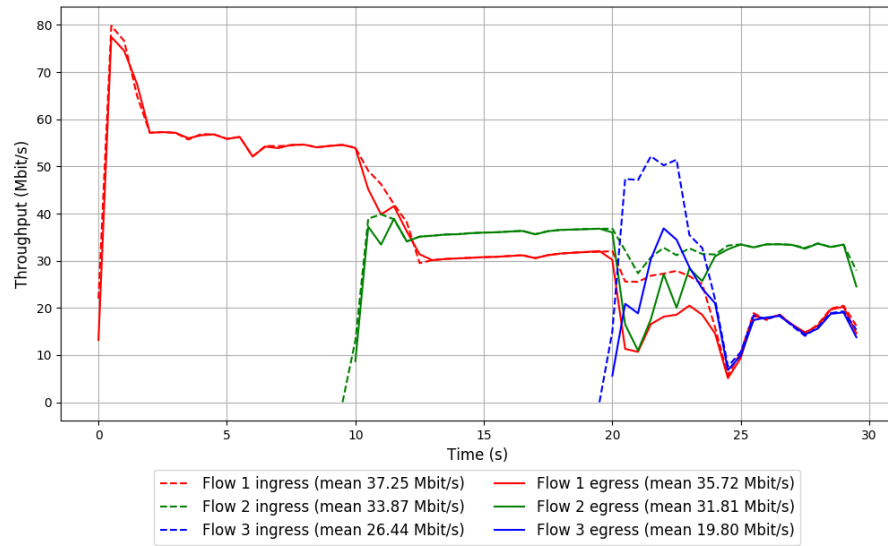
-- Flow 3:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 70.710 ms

Loss rate: 25.98%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:43:54 +0000

End at: Sun, 09 Jul 2017 23:44:24 +0000

Local clock offset: 0.509 ms

Remote clock offset: -5.184 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.60 Mbit/s

95th percentile per-packet one-way delay: 65.842 ms

Loss rate: 6.73%

-- Flow 1:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 63.798 ms

Loss rate: 3.71%

-- Flow 2:

Average throughput: 29.07 Mbit/s

95th percentile per-packet one-way delay: 55.960 ms

Loss rate: 4.56%

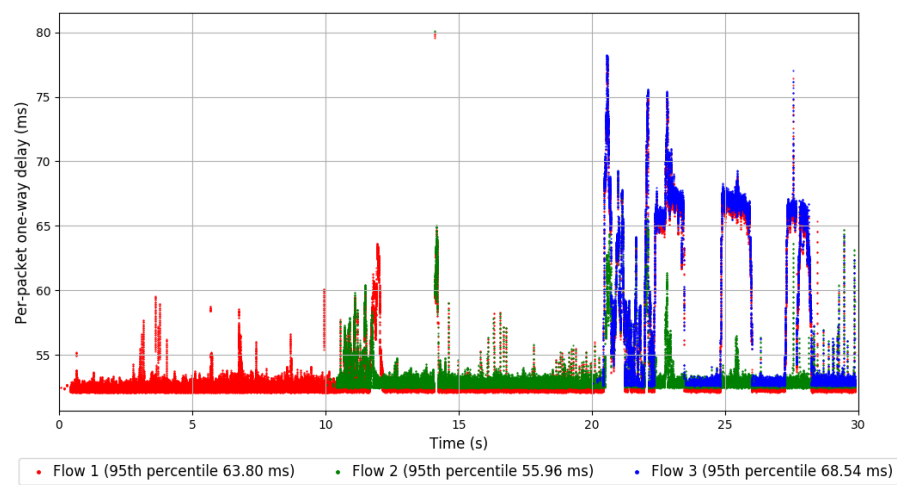
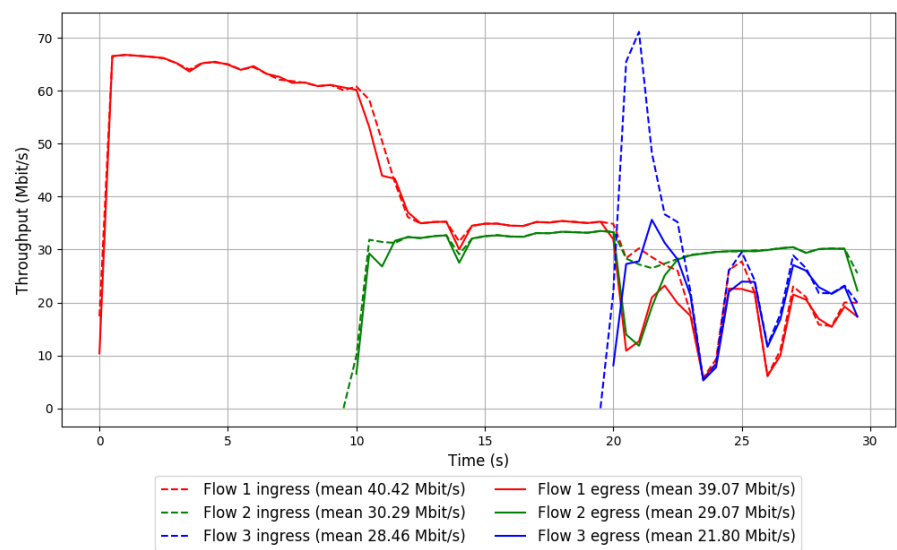
-- Flow 3:

Average throughput: 21.80 Mbit/s

95th percentile per-packet one-way delay: 68.538 ms

Loss rate: 24.26%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:02:21 +0000

End at: Mon, 10 Jul 2017 00:02:51 +0000

Local clock offset: 0.502 ms

Remote clock offset: -5.02 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:49:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 63.006 ms

Loss rate: 23.30%

-- Flow 1:

Average throughput: 29.86 Mbit/s

95th percentile per-packet one-way delay: 62.283 ms

Loss rate: 20.38%

-- Flow 2:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 63.056 ms

Loss rate: 26.37%

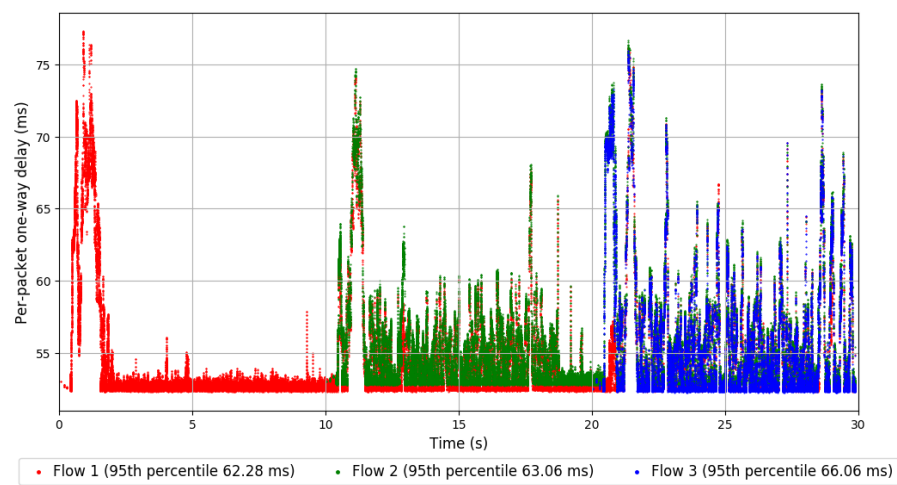
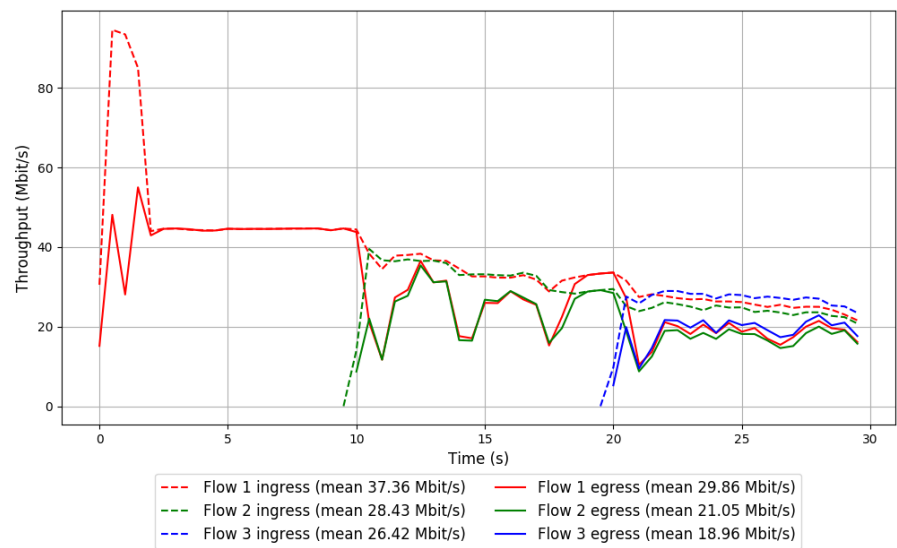
-- Flow 3:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 66.055 ms

Loss rate: 29.07%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:20:57 +0000

End at: Mon, 10 Jul 2017 00:21:27 +0000

Local clock offset: 0.513 ms

Remote clock offset: -5.306 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 11.55%

-- Flow 1:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 59.139 ms

Loss rate: 7.99%

-- Flow 2:

Average throughput: 27.51 Mbit/s

95th percentile per-packet one-way delay: 57.341 ms

Loss rate: 14.23%

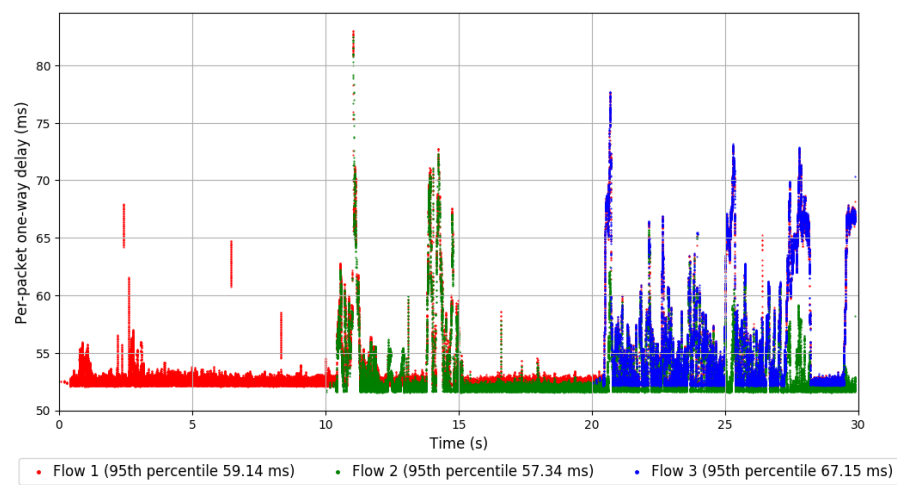
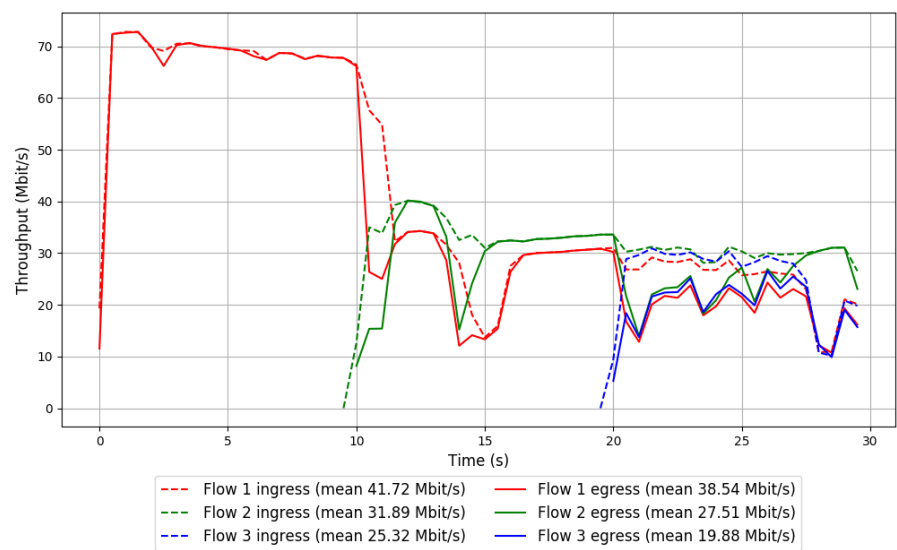
-- Flow 3:

Average throughput: 19.88 Mbit/s

95th percentile per-packet one-way delay: 67.146 ms

Loss rate: 22.39%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Mon, 10 Jul 2017 00:39:28 +0000

End at: Mon, 10 Jul 2017 00:39:58 +0000

Local clock offset: 0.491 ms

Remote clock offset: -4.592 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 67.511 ms

Loss rate: 14.01%

-- Flow 1:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 64.882 ms

Loss rate: 8.30%

-- Flow 2:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 68.318 ms

Loss rate: 18.35%

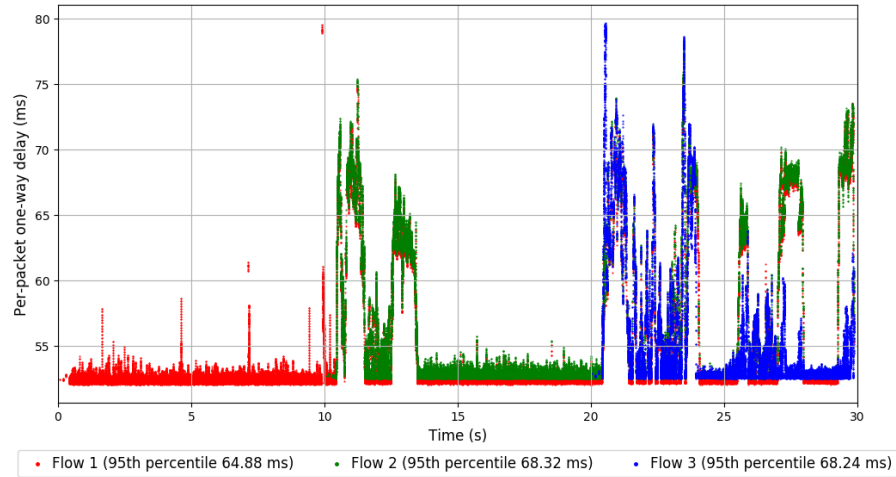
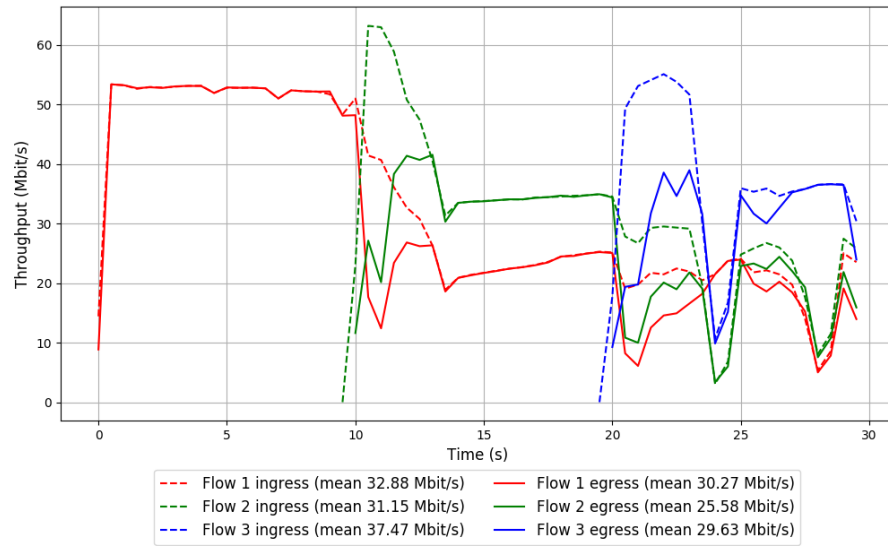
-- Flow 3:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 68.243 ms

Loss rate: 21.85%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

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

End at: Mon, 10 Jul 2017 00:58:30 +0000

Local clock offset: 0.434 ms

Remote clock offset: -4.87 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 68.164 ms

Loss rate: 10.66%

-- Flow 1:

Average throughput: 28.69 Mbit/s

95th percentile per-packet one-way delay: 67.352 ms

Loss rate: 6.47%

-- Flow 2:

Average throughput: 27.50 Mbit/s

95th percentile per-packet one-way delay: 68.823 ms

Loss rate: 11.97%

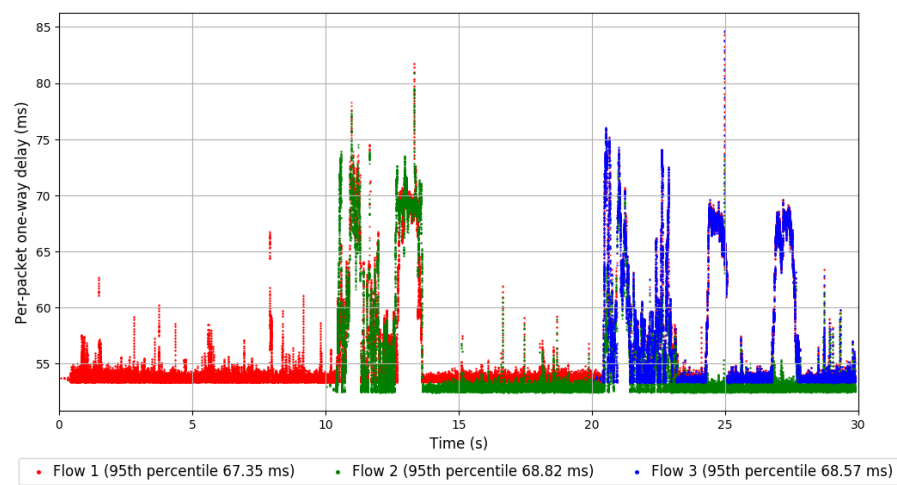
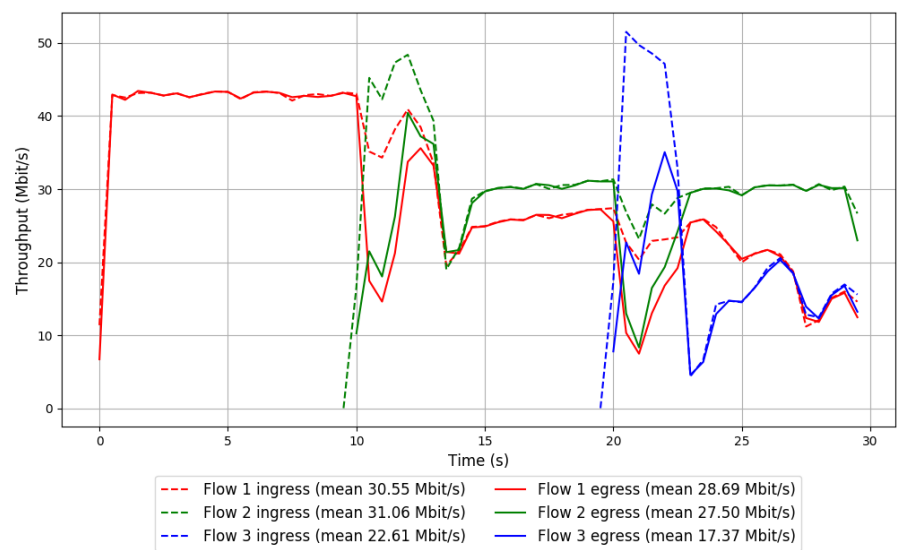
-- Flow 3:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 68.572 ms

Loss rate: 24.05%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Mon, 10 Jul 2017 01:16:41 +0000

End at: Mon, 10 Jul 2017 01:17:11 +0000

Local clock offset: 0.396 ms

Remote clock offset: -3.85 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 69.690 ms

Loss rate: 3.61%

-- Flow 1:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 69.233 ms

Loss rate: 3.01%

-- Flow 2:

Average throughput: 22.75 Mbit/s

95th percentile per-packet one-way delay: 70.814 ms

Loss rate: 6.49%

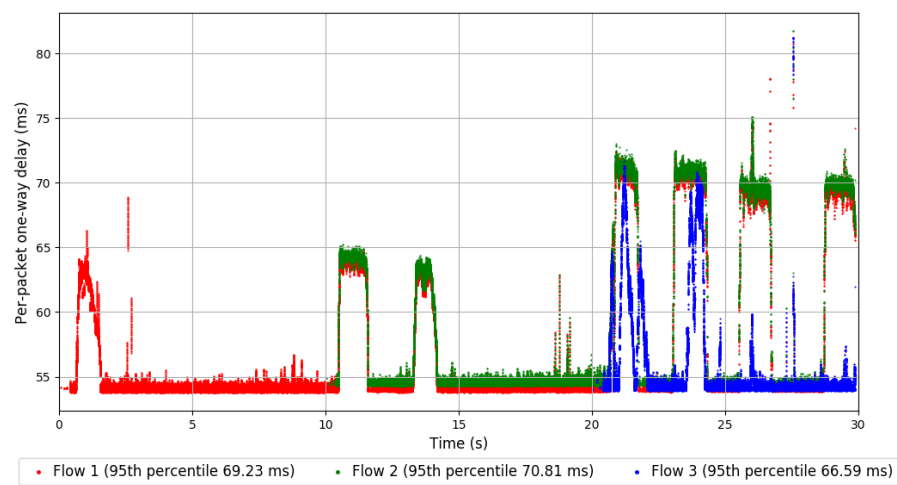
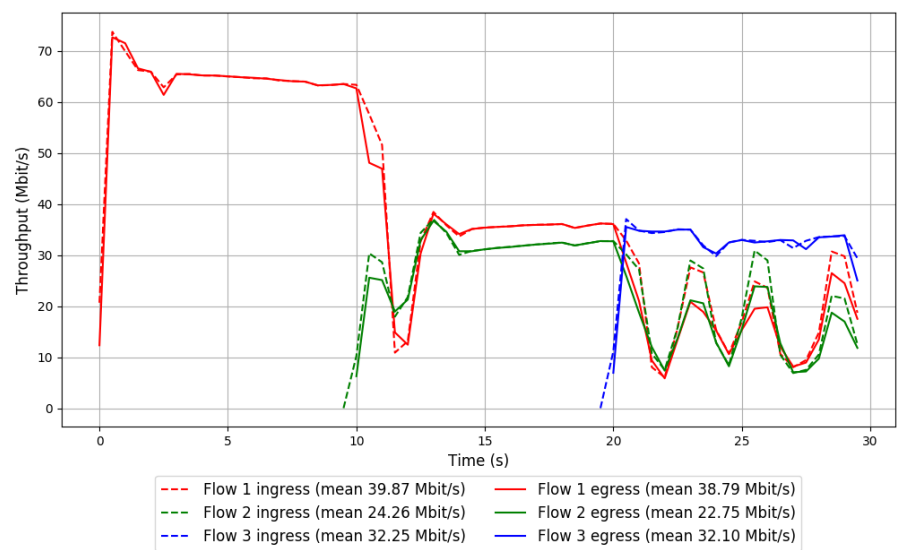
-- Flow 3:

Average throughput: 32.10 Mbit/s

95th percentile per-packet one-way delay: 66.590 ms

Loss rate: 1.53%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Mon, 10 Jul 2017 01:35:14 +0000

End at: Mon, 10 Jul 2017 01:35:44 +0000

Local clock offset: 0.346 ms

Remote clock offset: -3.098 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.49 Mbit/s

95th percentile per-packet one-way delay: 69.316 ms

Loss rate: 10.42%

-- Flow 1:

Average throughput: 28.58 Mbit/s

95th percentile per-packet one-way delay: 68.845 ms

Loss rate: 9.49%

-- Flow 2:

Average throughput: 25.09 Mbit/s

95th percentile per-packet one-way delay: 70.667 ms

Loss rate: 7.72%

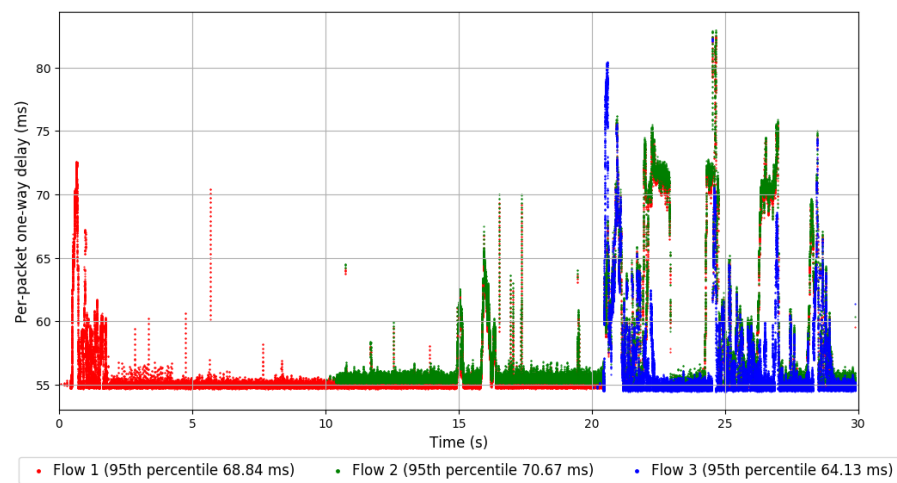
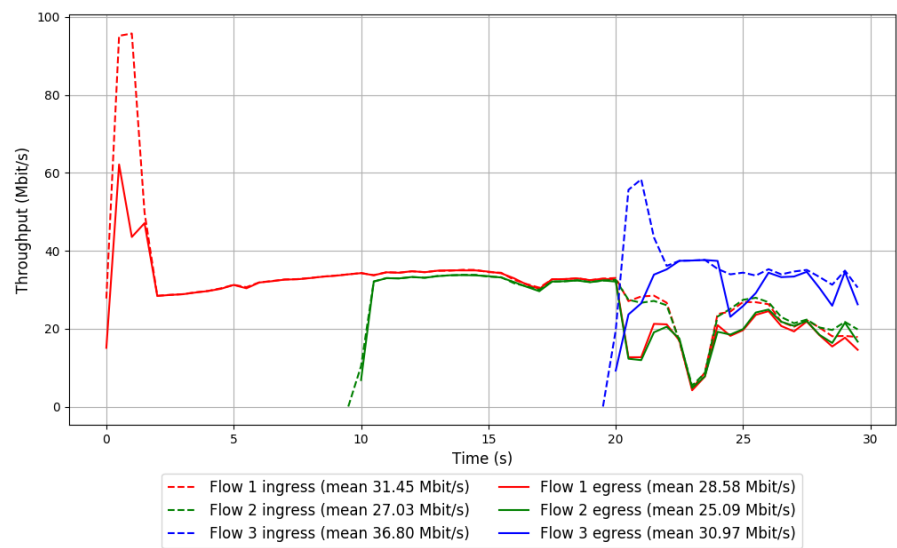
-- Flow 3:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 64.130 ms

Loss rate: 16.78%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Mon, 10 Jul 2017 01:53:39 +0000

End at: Mon, 10 Jul 2017 01:54:09 +0000

Local clock offset: 0.322 ms

Remote clock offset: -2.61 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.13 Mbit/s

95th percentile per-packet one-way delay: 65.340 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 64.758 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 65.376 ms

Loss rate: 2.71%

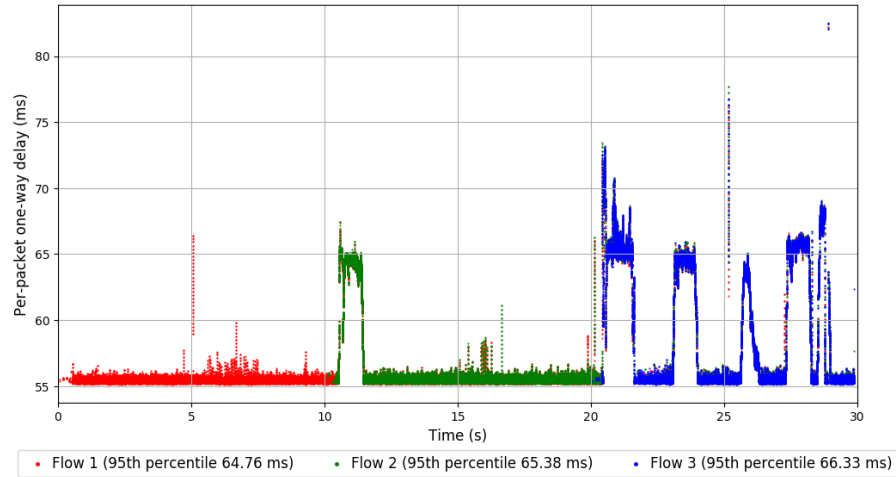
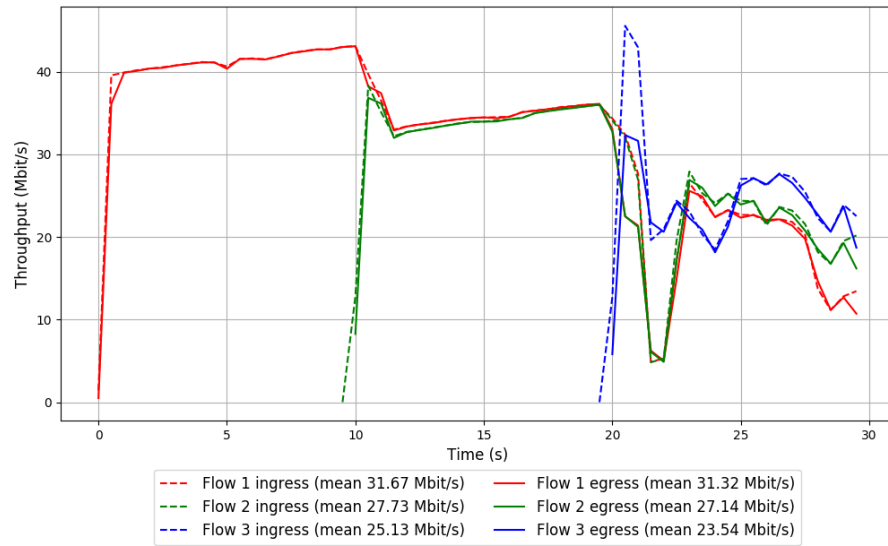
-- Flow 3:

Average throughput: 23.54 Mbit/s

95th percentile per-packet one-way delay: 66.328 ms

Loss rate: 7.38%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Mon, 10 Jul 2017 02:12:04 +0000

End at: Mon, 10 Jul 2017 02:12:34 +0000

Local clock offset: 0.438 ms

Remote clock offset: -2.833 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 70.459 ms

Loss rate: 19.13%

-- Flow 1:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 70.304 ms

Loss rate: 23.33%

-- Flow 2:

Average throughput: 21.20 Mbit/s

95th percentile per-packet one-way delay: 71.302 ms

Loss rate: 7.55%

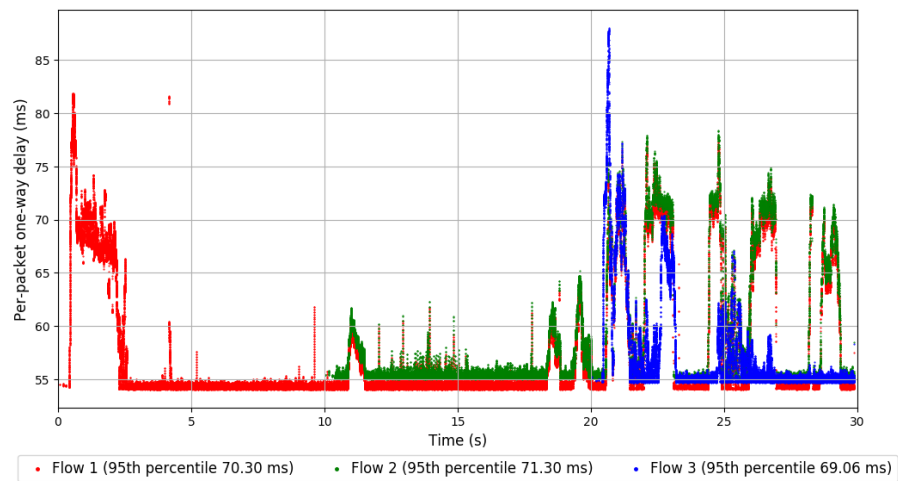
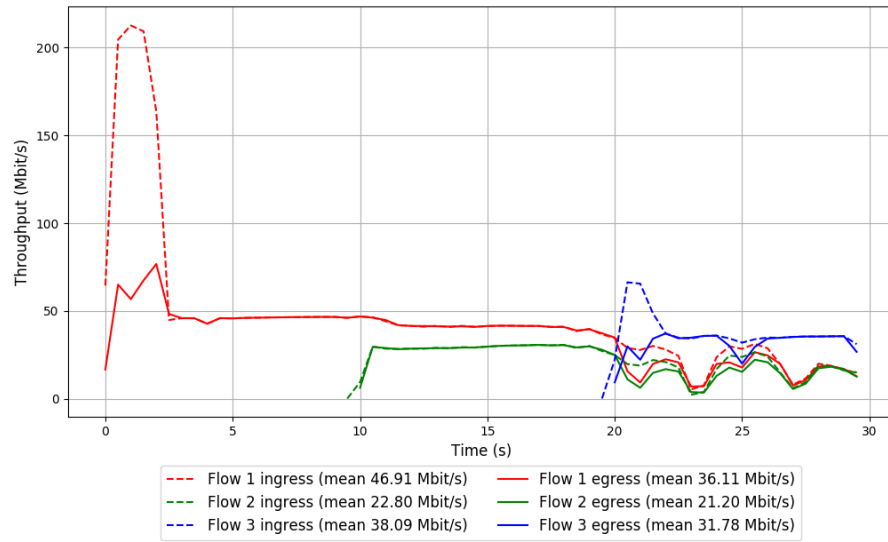
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 69.056 ms

Loss rate: 17.51%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:12:56 +0000

End at: Sun, 09 Jul 2017 23:13:26 +0000

Local clock offset: 0.457 ms

Remote clock offset: -4.354 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 63.301 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 55.763 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 16.13 Mbit/s

95th percentile per-packet one-way delay: 66.290 ms

Loss rate: 1.90%

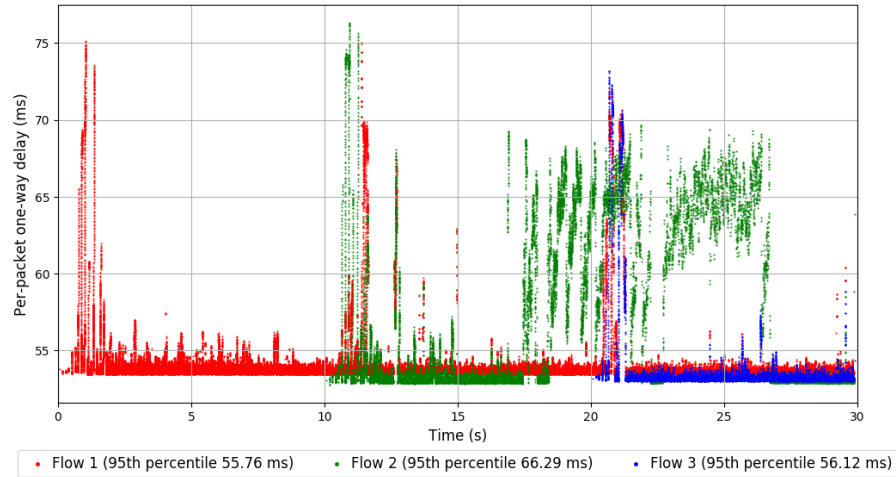
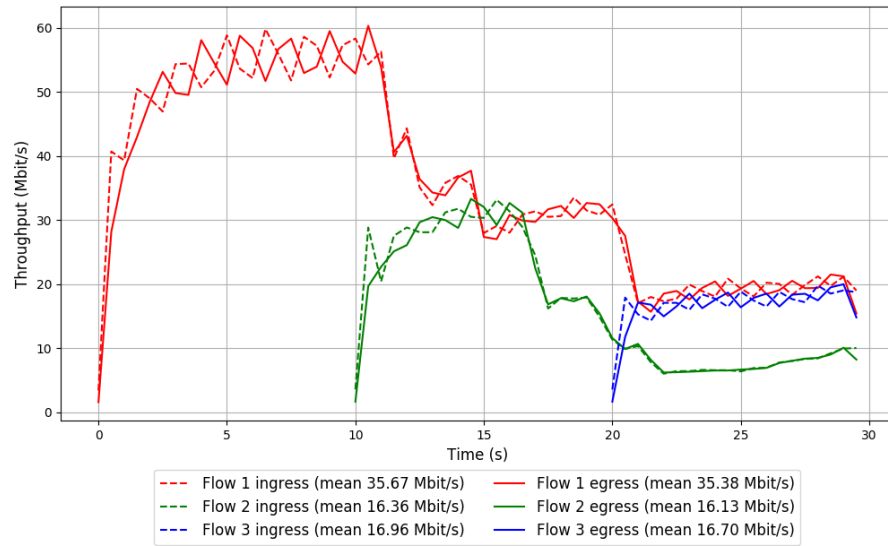
-- Flow 3:

Average throughput: 16.70 Mbit/s

95th percentile per-packet one-way delay: 56.118 ms

Loss rate: 2.53%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:31:42 +0000

End at: Sun, 09 Jul 2017 23:32:12 +0000

Local clock offset: 0.535 ms

Remote clock offset: -5.041 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 55.677 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 36.80 Mbit/s

95th percentile per-packet one-way delay: 55.276 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 26.26 Mbit/s

95th percentile per-packet one-way delay: 60.036 ms

Loss rate: 1.11%

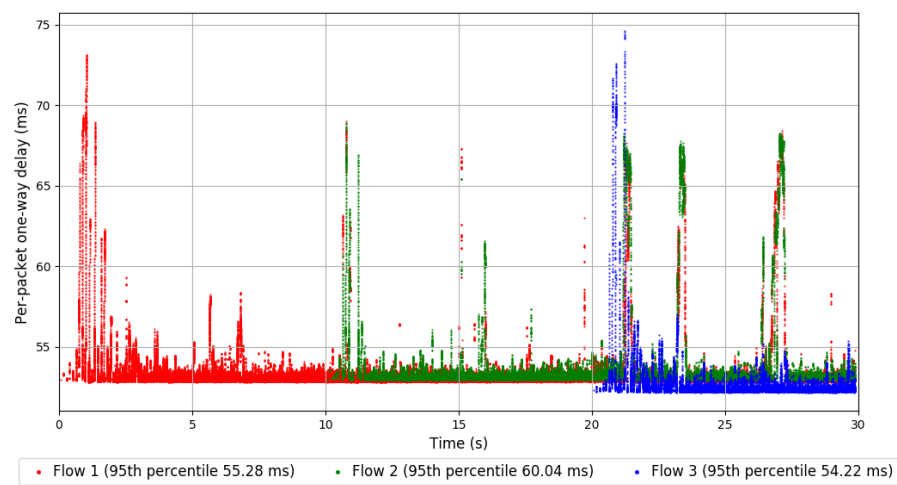
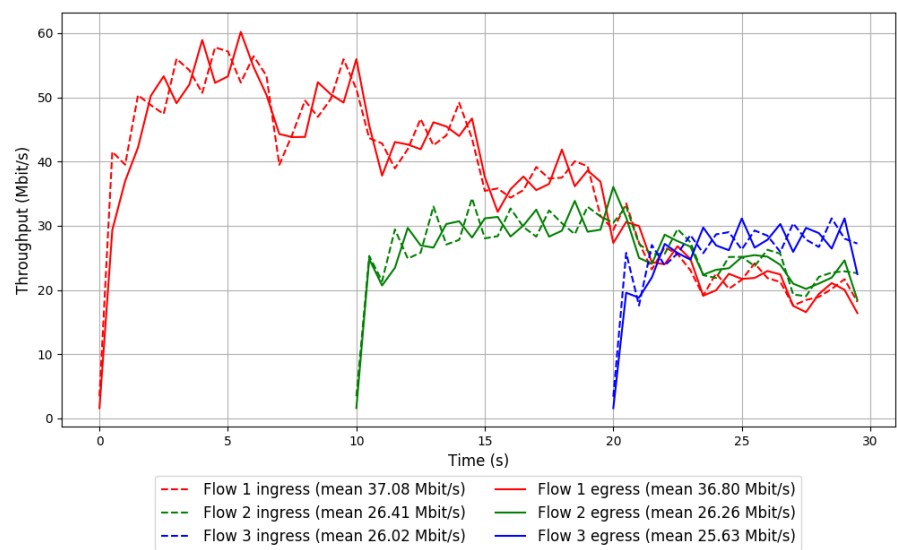
-- Flow 3:

Average throughput: 25.63 Mbit/s

95th percentile per-packet one-way delay: 54.223 ms

Loss rate: 2.64%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:50:03 +0000

End at: Sun, 09 Jul 2017 23:50:33 +0000

Local clock offset: 0.529 ms

Remote clock offset: -4.694 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.25 Mbit/s

95th percentile per-packet one-way delay: 54.939 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 19.55 Mbit/s

95th percentile per-packet one-way delay: 54.130 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.77 Mbit/s

95th percentile per-packet one-way delay: 55.787 ms

Loss rate: 1.52%

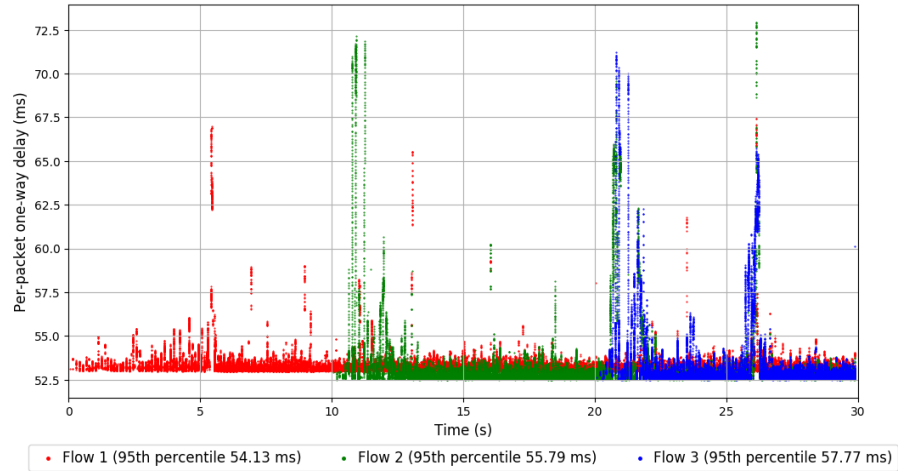
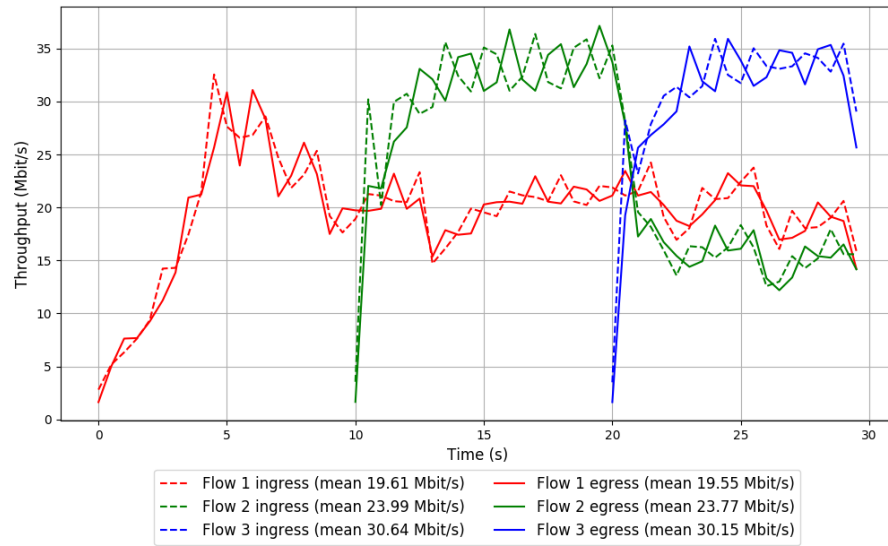
-- Flow 3:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 57.767 ms

Loss rate: 2.66%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 00:08:34 +0000

End at: Mon, 10 Jul 2017 00:09:04 +0000

Local clock offset: 0.529 ms

Remote clock offset: -4.958 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:50:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.78 Mbit/s

95th percentile per-packet one-way delay: 55.485 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 32.62 Mbit/s

95th percentile per-packet one-way delay: 54.949 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 56.523 ms

Loss rate: 0.85%

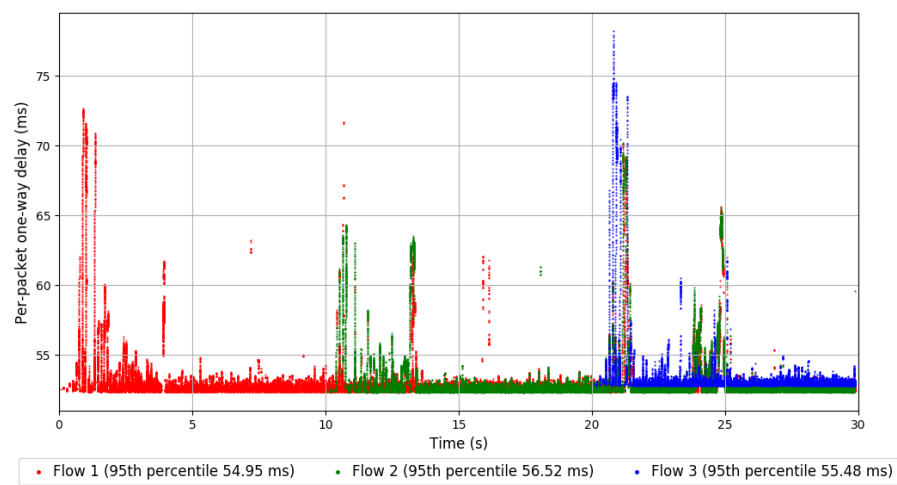
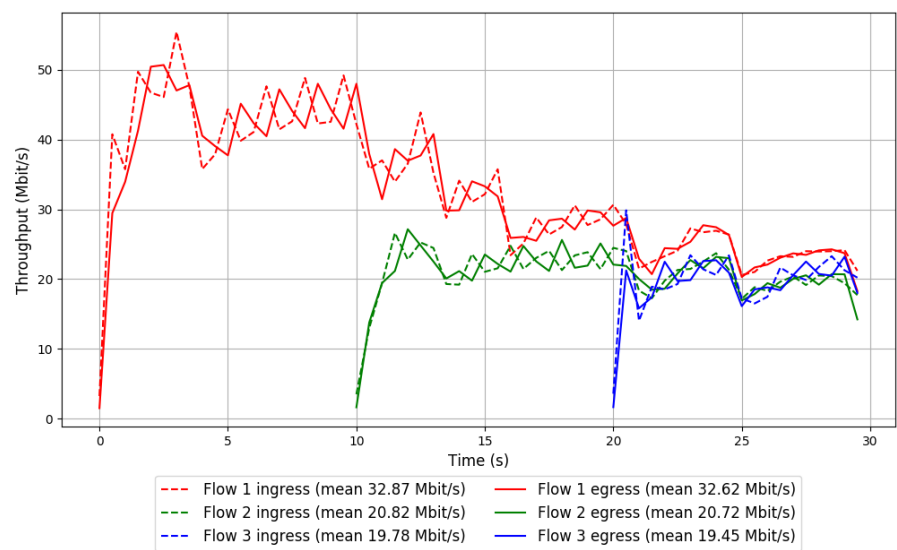
-- Flow 3:

Average throughput: 19.45 Mbit/s

95th percentile per-packet one-way delay: 55.478 ms

Loss rate: 2.80%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 00:27:12 +0000

End at: Mon, 10 Jul 2017 00:27:42 +0000

Local clock offset: 0.521 ms

Remote clock offset: -4.764 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.00 Mbit/s

95th percentile per-packet one-way delay: 54.889 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 54.745 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 54.864 ms

Loss rate: 0.89%

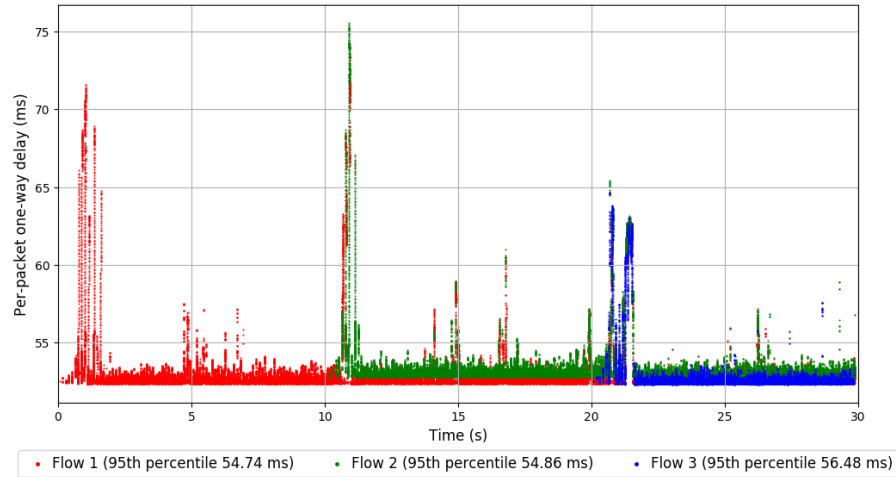
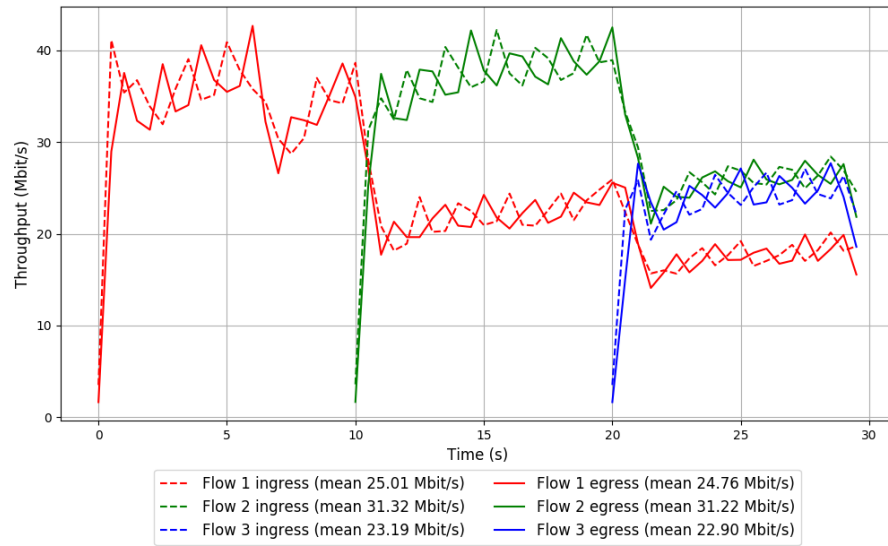
-- Flow 3:

Average throughput: 22.90 Mbit/s

95th percentile per-packet one-way delay: 56.481 ms

Loss rate: 2.10%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 00:45:49 +0000

End at: Mon, 10 Jul 2017 00:46:19 +0000

Local clock offset: 0.48 ms

Remote clock offset: -4.653 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.15 Mbit/s

95th percentile per-packet one-way delay: 56.337 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 30.38 Mbit/s

95th percentile per-packet one-way delay: 55.226 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 54.898 ms

Loss rate: 1.95%

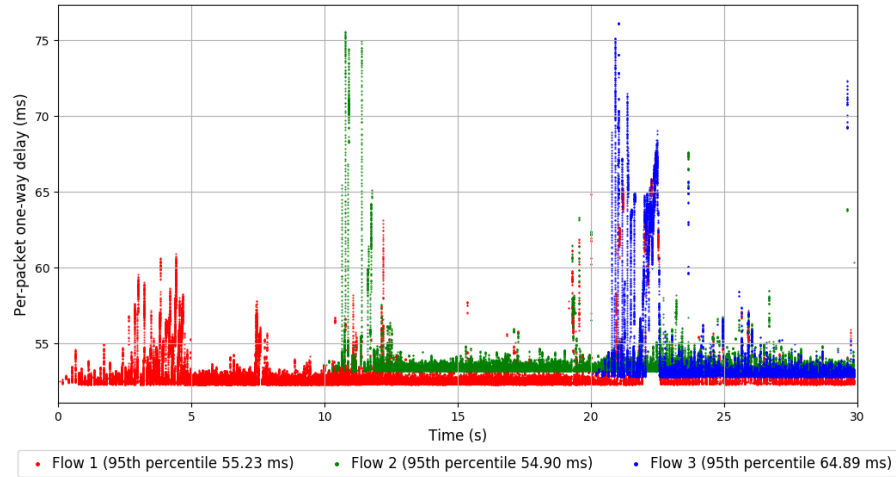
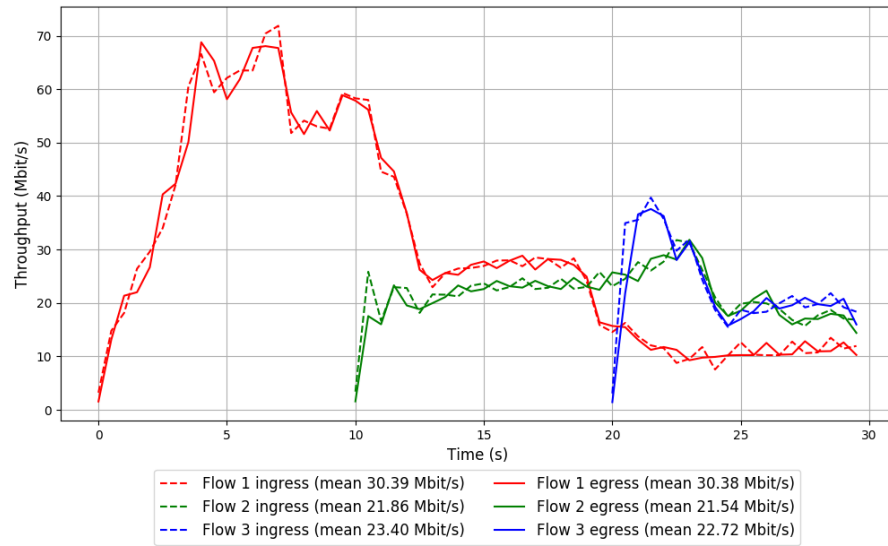
-- Flow 3:

Average throughput: 22.72 Mbit/s

95th percentile per-packet one-way delay: 64.892 ms

Loss rate: 4.04%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:04:14 +0000

End at: Mon, 10 Jul 2017 01:04:44 +0000

Local clock offset: 0.393 ms

Remote clock offset: -4.26 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 61.876 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 62.466 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 58.700 ms

Loss rate: 0.94%

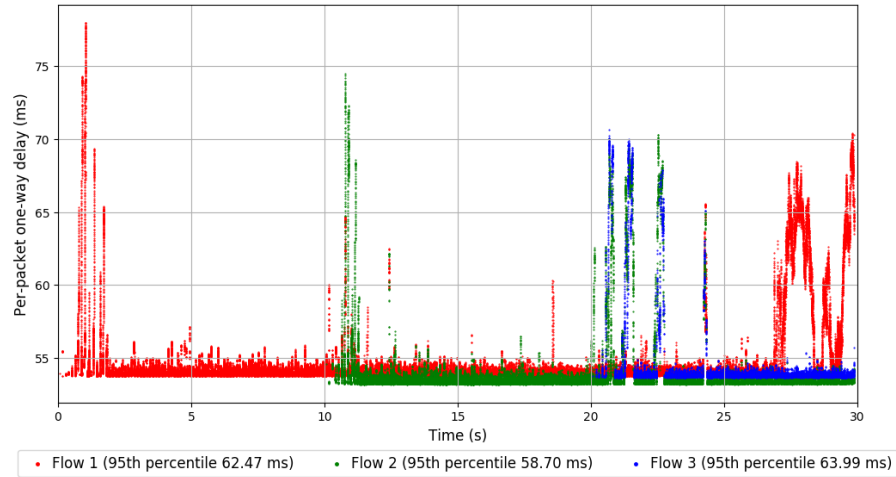
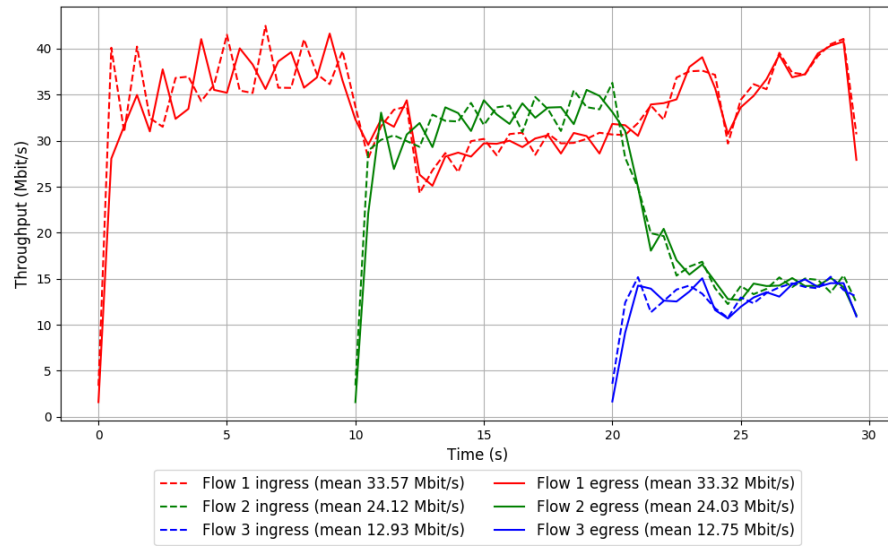
-- Flow 3:

Average throughput: 12.75 Mbit/s

95th percentile per-packet one-way delay: 63.992 ms

Loss rate: 2.55%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:22:49 +0000

End at: Mon, 10 Jul 2017 01:23:19 +0000

Local clock offset: 0.358 ms

Remote clock offset: -3.684 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: 56.920 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 33.54 Mbit/s

95th percentile per-packet one-way delay: 57.237 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 18.26 Mbit/s

95th percentile per-packet one-way delay: 55.549 ms

Loss rate: 1.65%

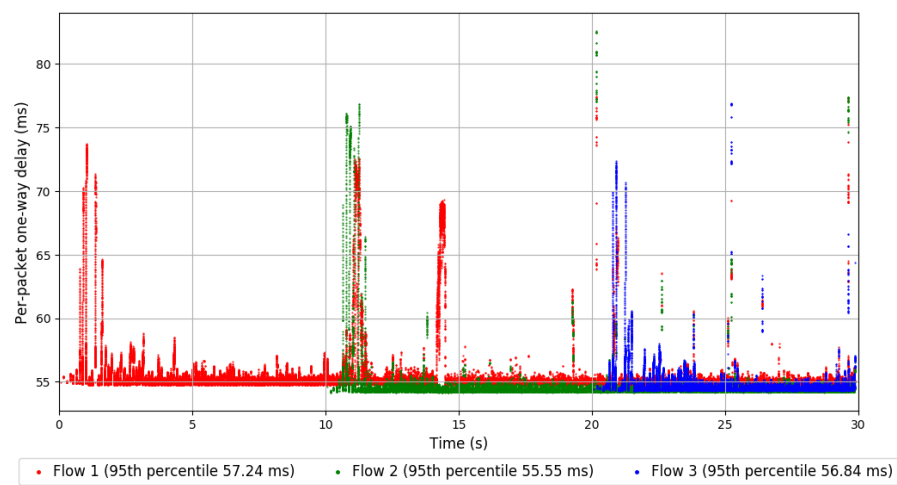
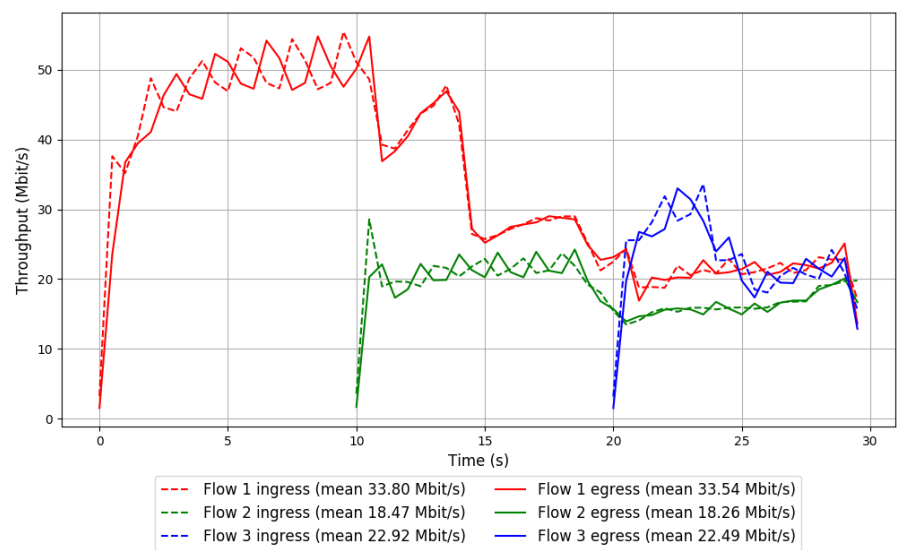
-- Flow 3:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 56.838 ms

Loss rate: 2.84%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:41:29 +0000

End at: Mon, 10 Jul 2017 01:41:59 +0000

Local clock offset: 0.393 ms

Remote clock offset: -2.747 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 56.429 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 55.538 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 22.47 Mbit/s

95th percentile per-packet one-way delay: 58.795 ms

Loss rate: 1.63%

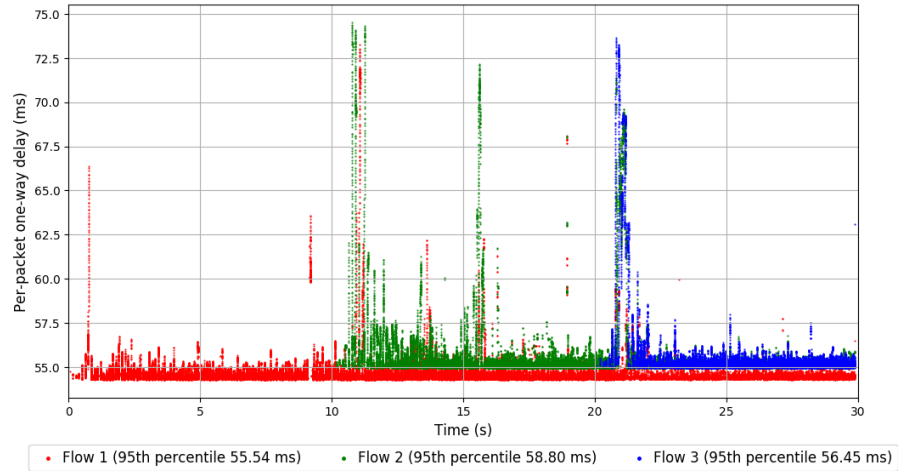
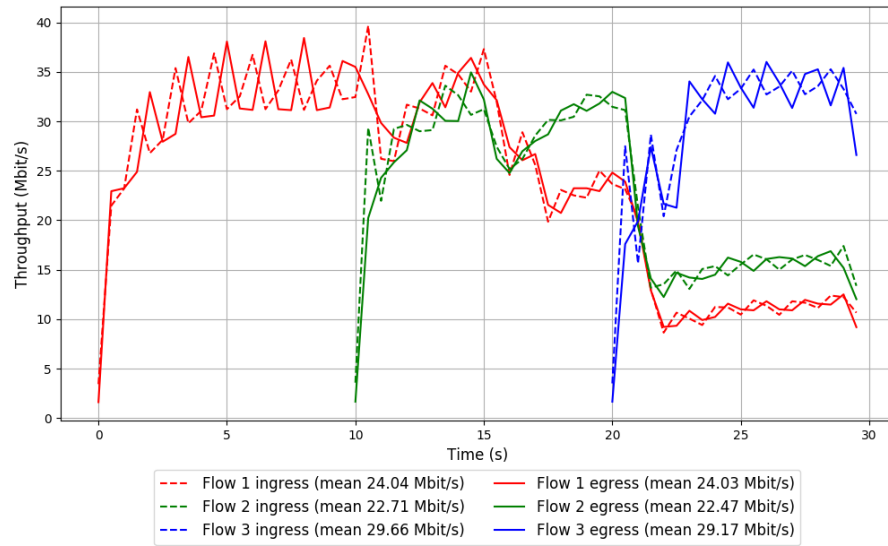
-- Flow 3:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 56.450 ms

Loss rate: 2.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Mon, 10 Jul 2017 01:59:48 +0000

End at: Mon, 10 Jul 2017 02:00:18 +0000

Local clock offset: 0.41 ms

Remote clock offset: -2.435 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 61.354 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 21.49 Mbit/s

95th percentile per-packet one-way delay: 61.404 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 62.075 ms

Loss rate: 1.60%

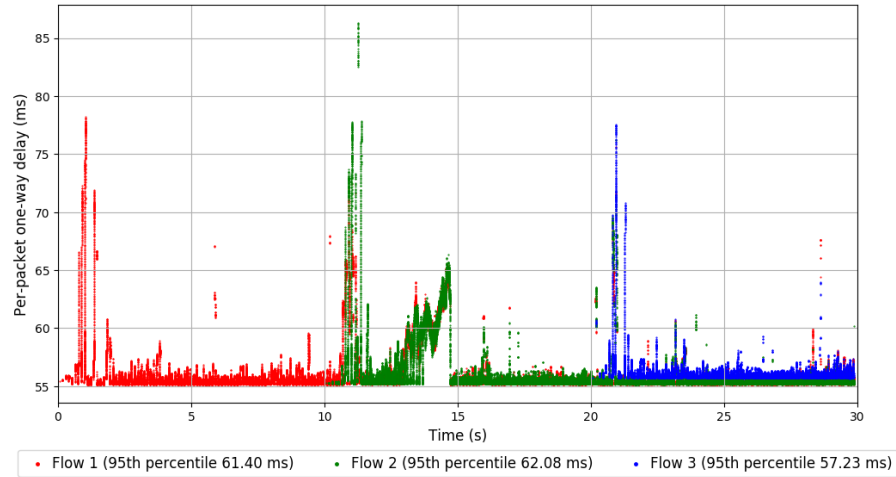
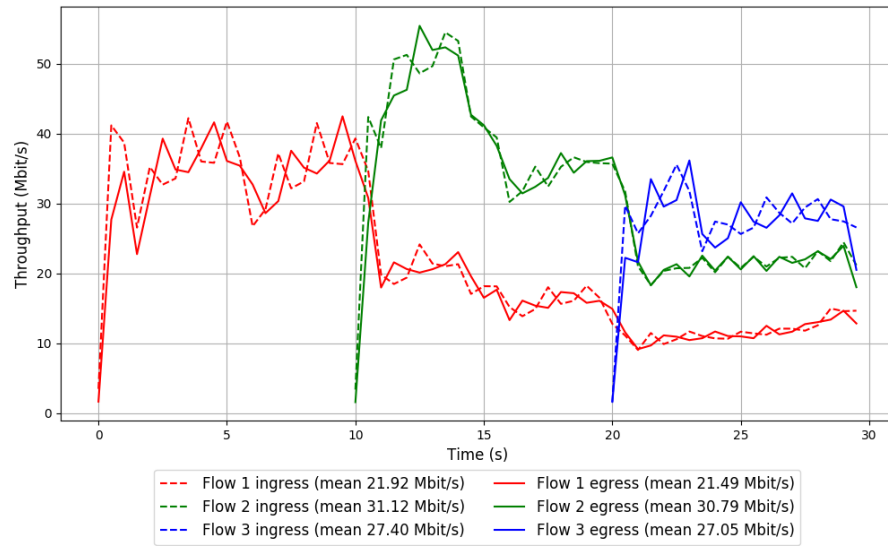
-- Flow 3:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 57.227 ms

Loss rate: 2.45%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 23:15:22 +0000

End at: Sun, 09 Jul 2017 23:15:52 +0000

Local clock offset: 0.527 ms

Remote clock offset: -4.97 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 53.911 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 10.12 Mbit/s

95th percentile per-packet one-way delay: 53.812 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 10.12 Mbit/s

95th percentile per-packet one-way delay: 53.703 ms

Loss rate: 0.59%

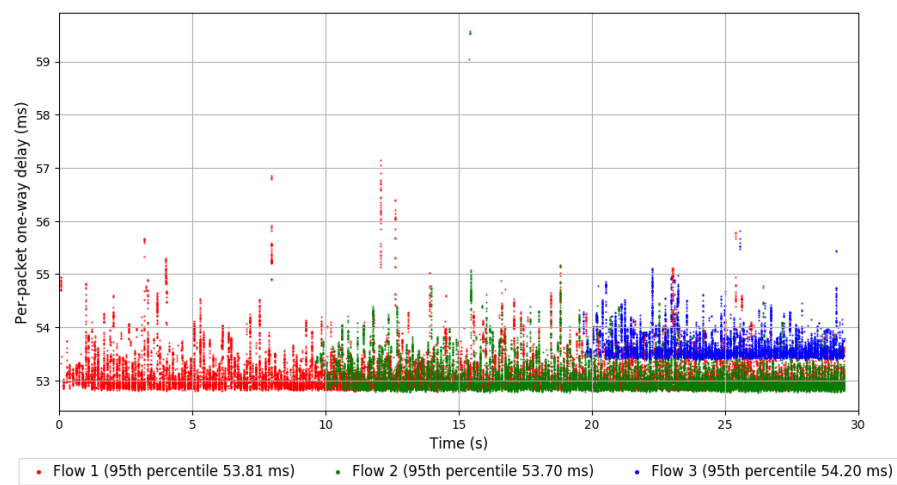
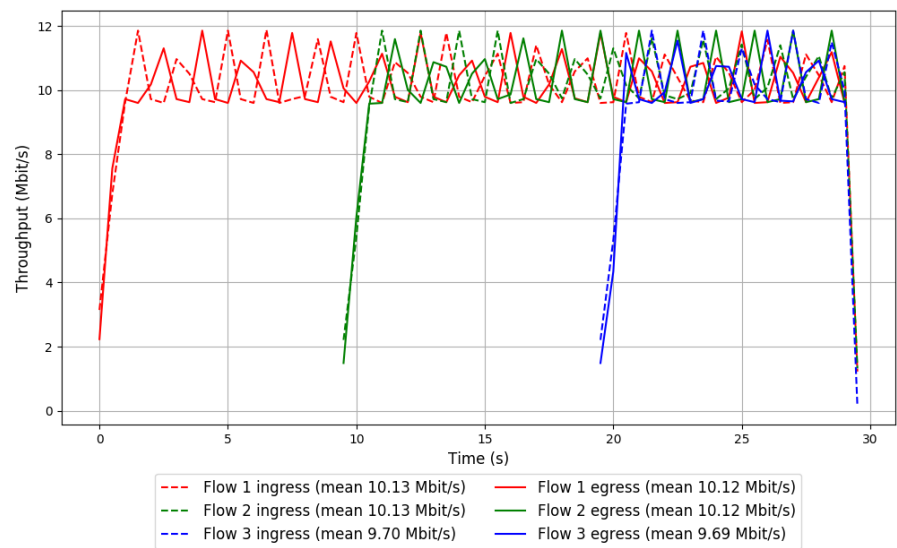
-- Flow 3:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 54.199 ms

Loss rate: 1.25%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

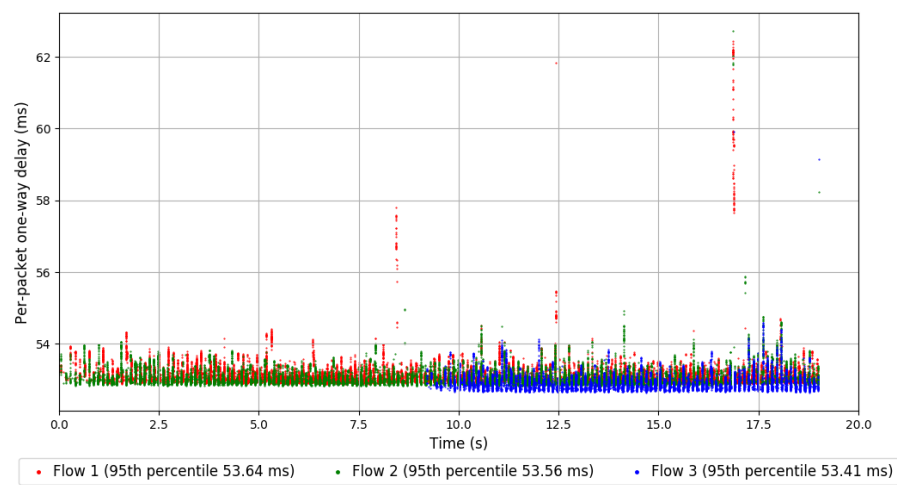
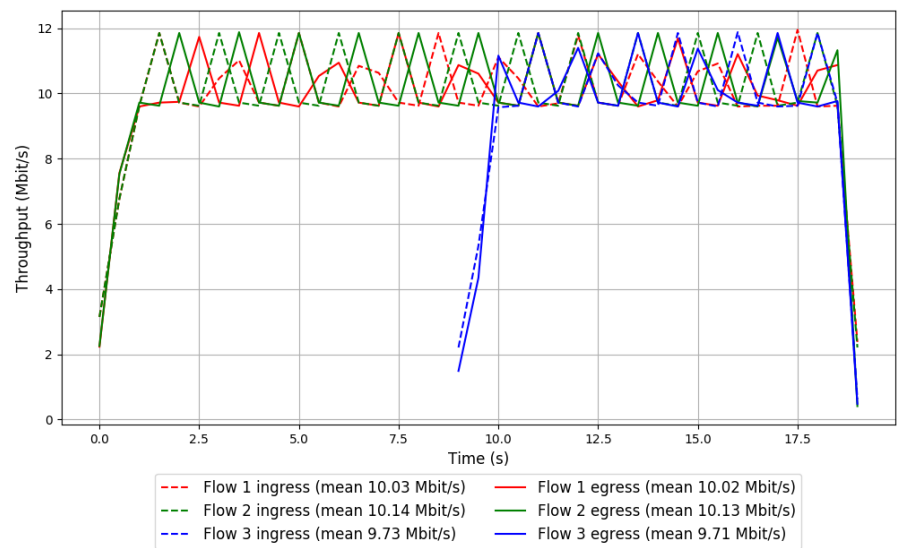
Start at: Sun, 09 Jul 2017 23:34:10 +0000

End at: Sun, 09 Jul 2017 23:34:40 +0000

Local clock offset: 0.524 ms

Remote clock offset: -4.539 ms

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

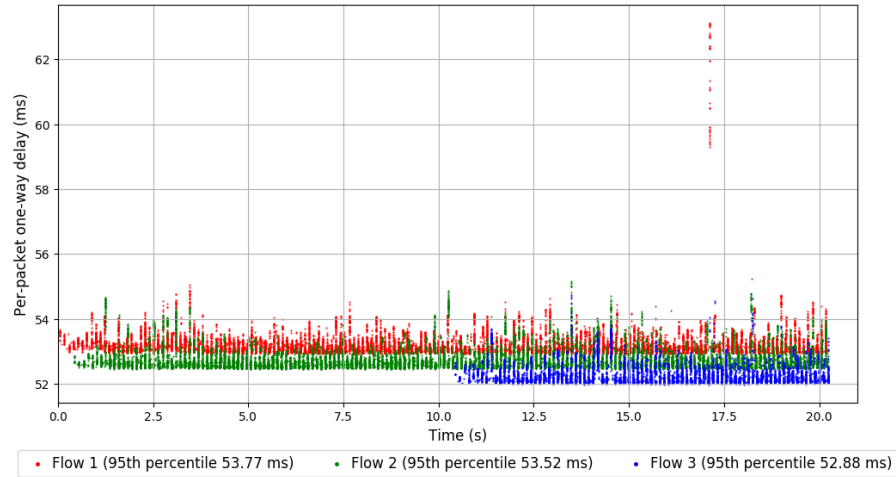
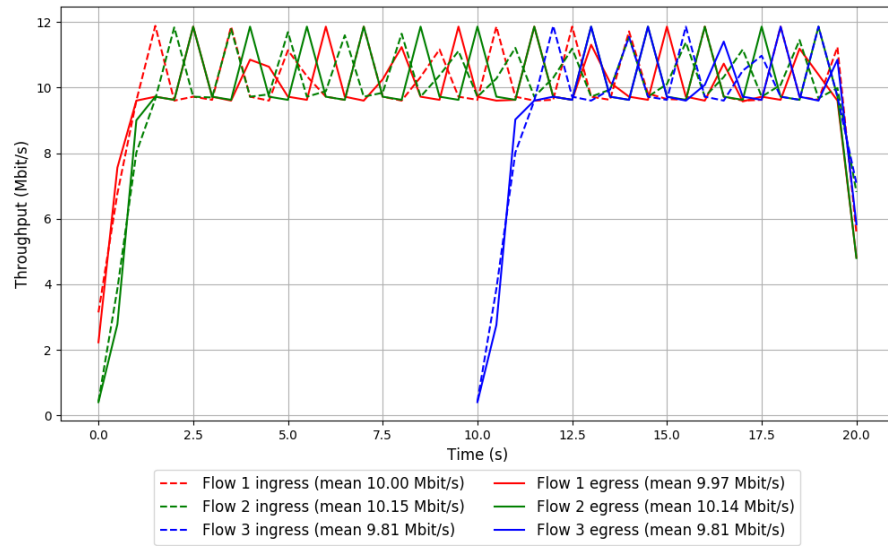
Start at: Sun, 09 Jul 2017 23:52:32 +0000

End at: Sun, 09 Jul 2017 23:53:02 +0000

Local clock offset: 0.528 ms

Remote clock offset: -4.859 ms

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

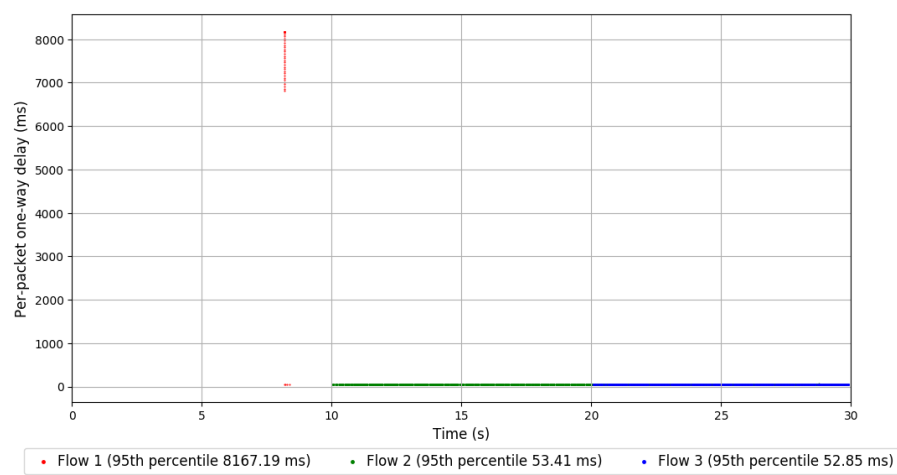
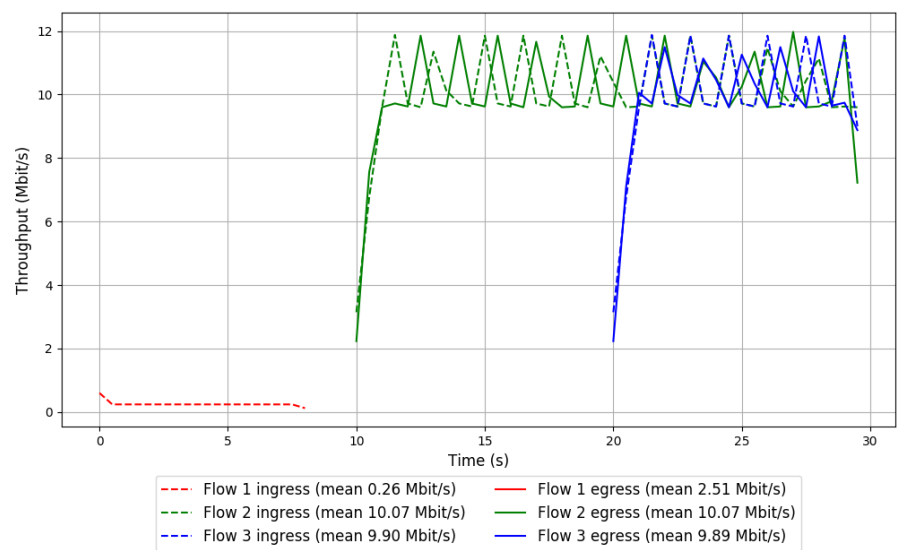
Start at: Mon, 10 Jul 2017 00:11:09 +0000

End at: Mon, 10 Jul 2017 00:11:39 +0000

Local clock offset: 0.541 ms

Remote clock offset: -5.008 ms

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 00:29:39 +0000

End at: Mon, 10 Jul 2017 00:30:09 +0000

Local clock offset: 0.538 ms

Remote clock offset: -5.23 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 53.689 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 10.04 Mbit/s

95th percentile per-packet one-way delay: 53.969 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 9.98 Mbit/s

95th percentile per-packet one-way delay: 53.276 ms

Loss rate: 0.83%

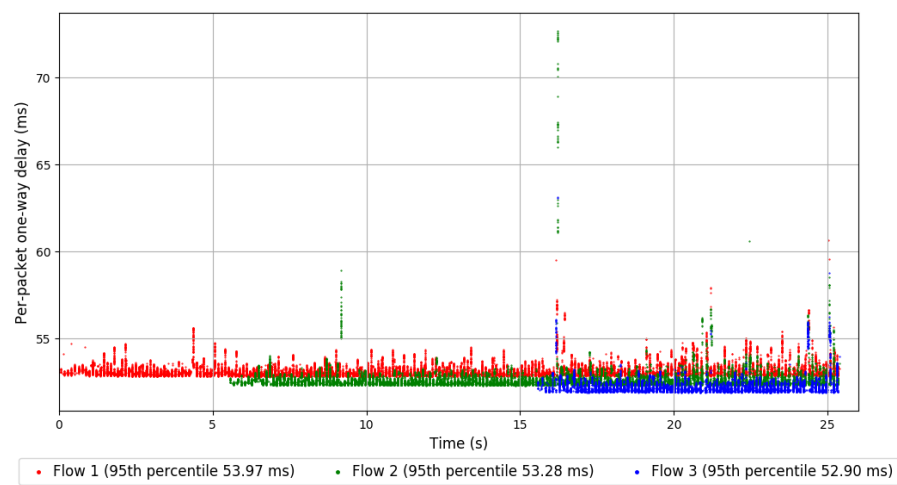
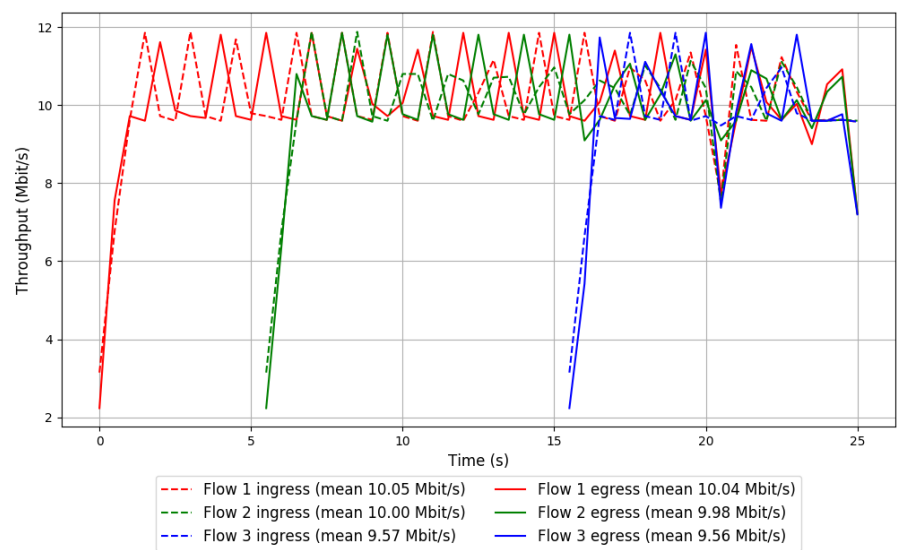
-- Flow 3:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 52.903 ms

Loss rate: 1.28%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

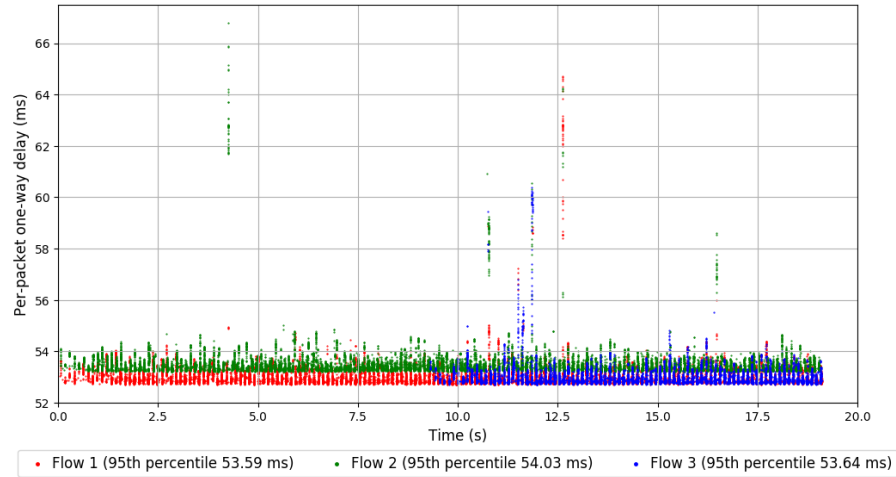
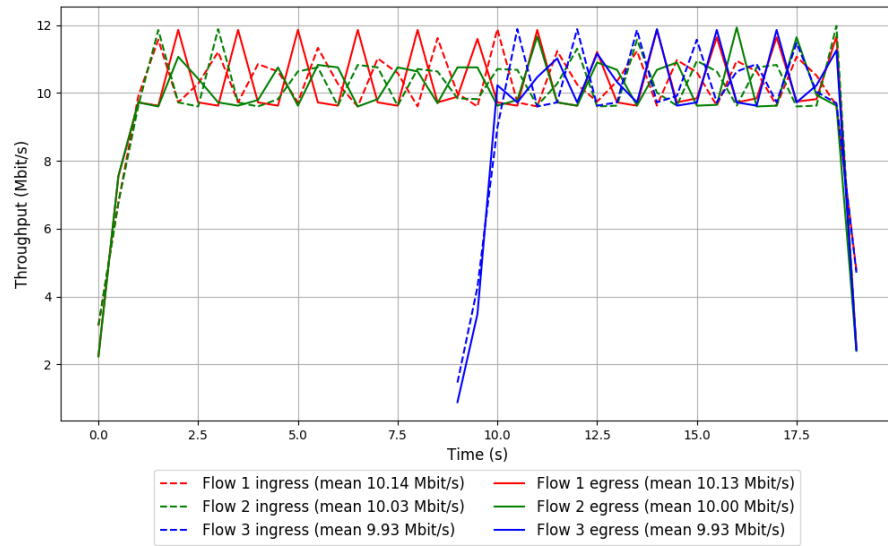
Start at: Mon, 10 Jul 2017 00:48:17 +0000

End at: Mon, 10 Jul 2017 00:48:47 +0000

Local clock offset: 0.463 ms

Remote clock offset: -4.803 ms

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 01:06:53 +0000

End at: Mon, 10 Jul 2017 01:07:23 +0000

Local clock offset: 0.421 ms

Remote clock offset: -3.915 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 54.516 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 10.24 Mbit/s

95th percentile per-packet one-way delay: 54.557 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 54.395 ms

Loss rate: 0.77%

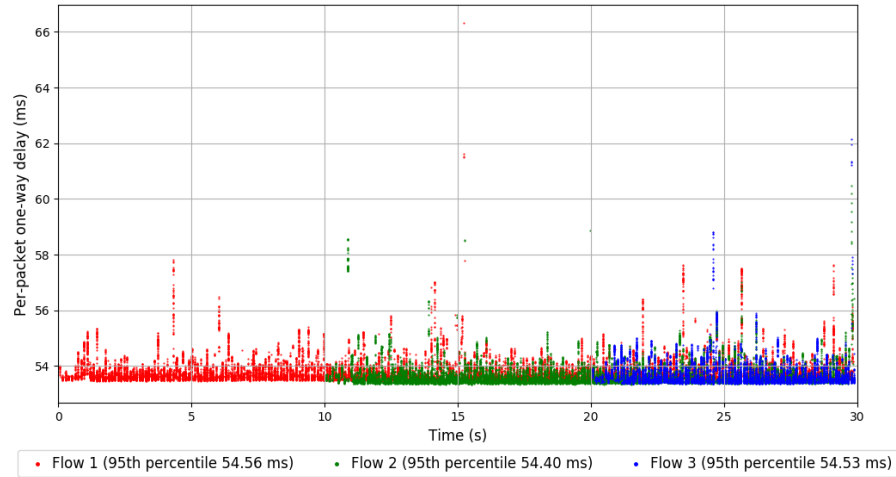
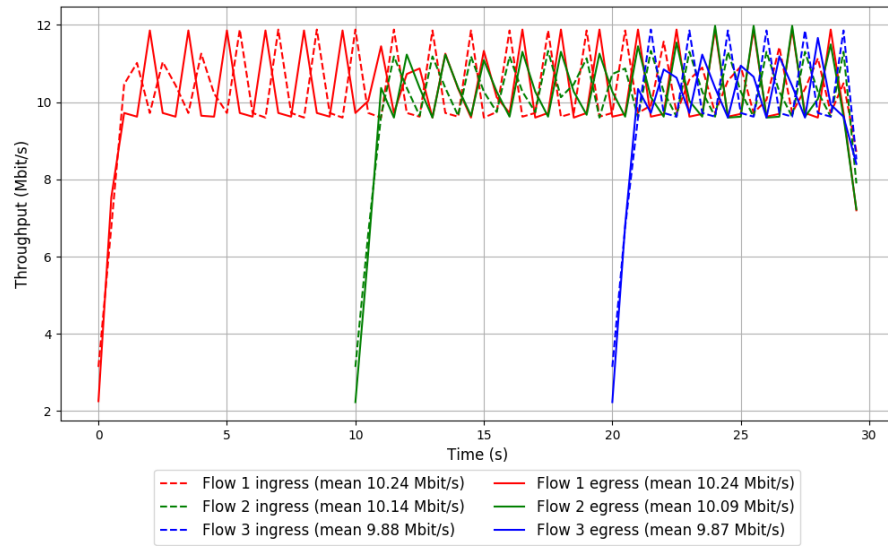
-- Flow 3:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 54.527 ms

Loss rate: 1.21%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 01:25:17 +0000

End at: Mon, 10 Jul 2017 01:25:47 +0000

Local clock offset: 0.382 ms

Remote clock offset: -3.605 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 55.533 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 10.18 Mbit/s

95th percentile per-packet one-way delay: 55.628 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 55.321 ms

Loss rate: 0.60%

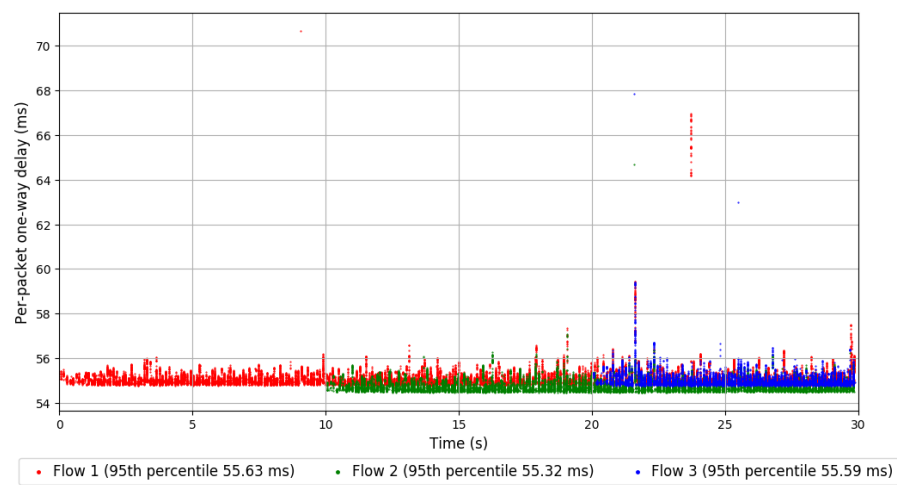
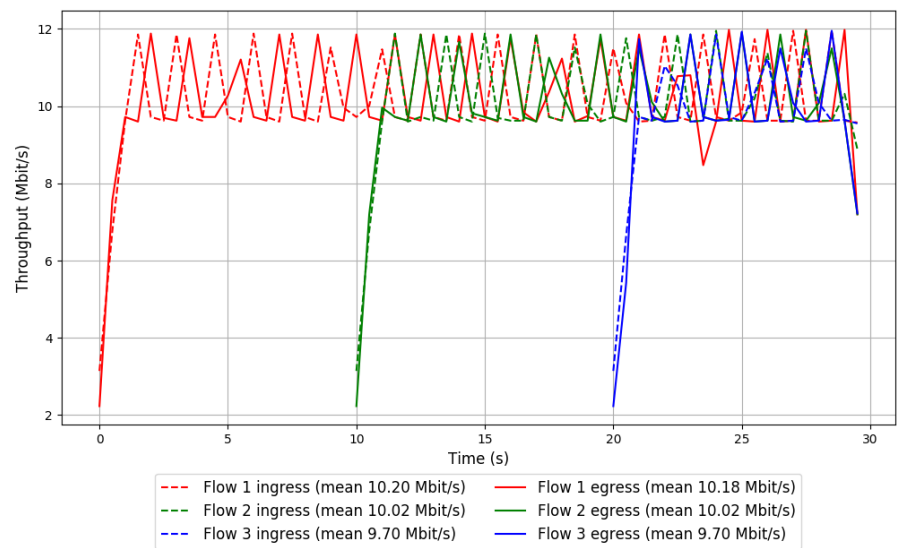
-- Flow 3:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 55.594 ms

Loss rate: 1.25%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 01:43:55 +0000

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

Local clock offset: 0.316 ms

Remote clock offset: -2.506 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.91 Mbit/s

95th percentile per-packet one-way delay: 55.931 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 55.758 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 56.120 ms

Loss rate: 0.59%

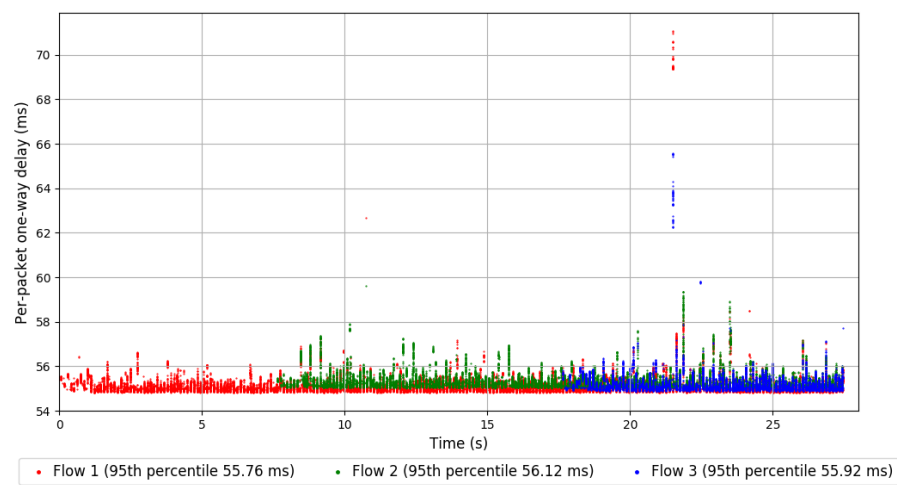
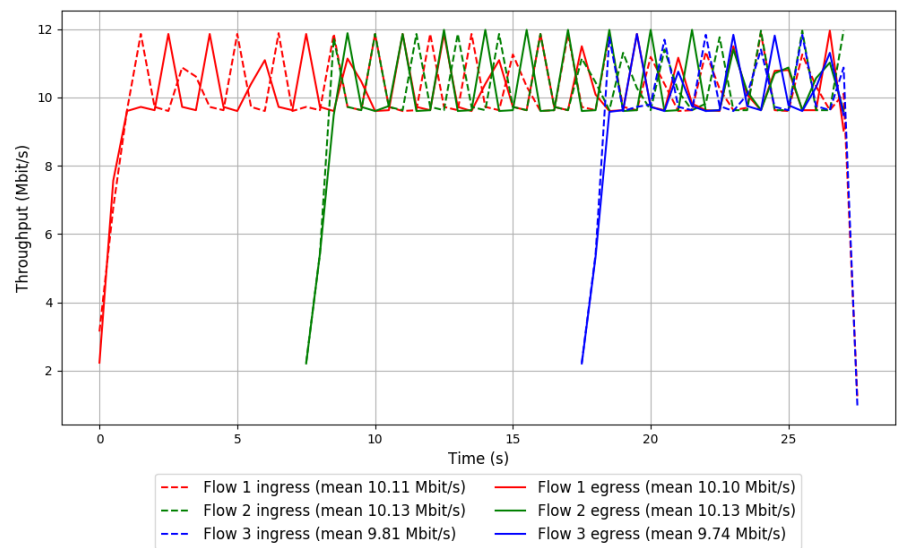
-- Flow 3:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 55.916 ms

Loss rate: 1.79%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Mon, 10 Jul 2017 02:02:16 +0000

End at: Mon, 10 Jul 2017 02:02:46 +0000

Local clock offset: 0.345 ms

Remote clock offset: -2.188 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.06 Mbit/s

95th percentile per-packet one-way delay: 56.254 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 10.19 Mbit/s

95th percentile per-packet one-way delay: 56.316 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 56.058 ms

Loss rate: 0.61%

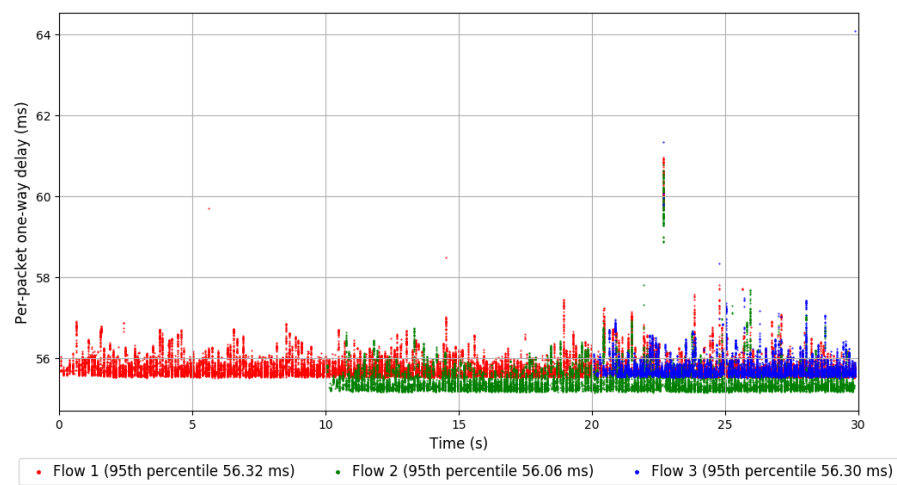
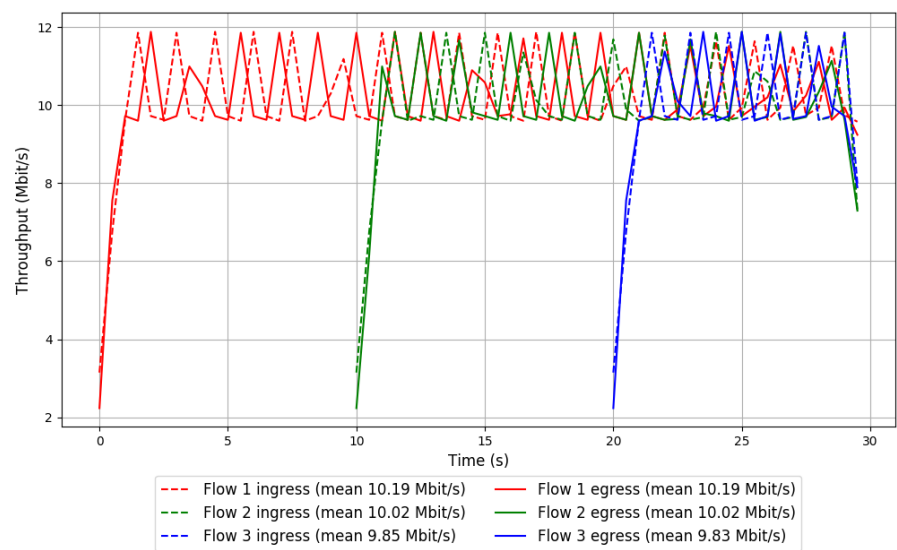
-- Flow 3:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 56.299 ms

Loss rate: 1.22%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:17:47 +0000

End at: Sun, 09 Jul 2017 23:18:17 +0000

Local clock offset: 0.449 ms

Remote clock offset: -4.413 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.50 Mbit/s

95th percentile per-packet one-way delay: 53.989 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 12.86 Mbit/s

95th percentile per-packet one-way delay: 54.051 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 53.667 ms

Loss rate: 1.08%

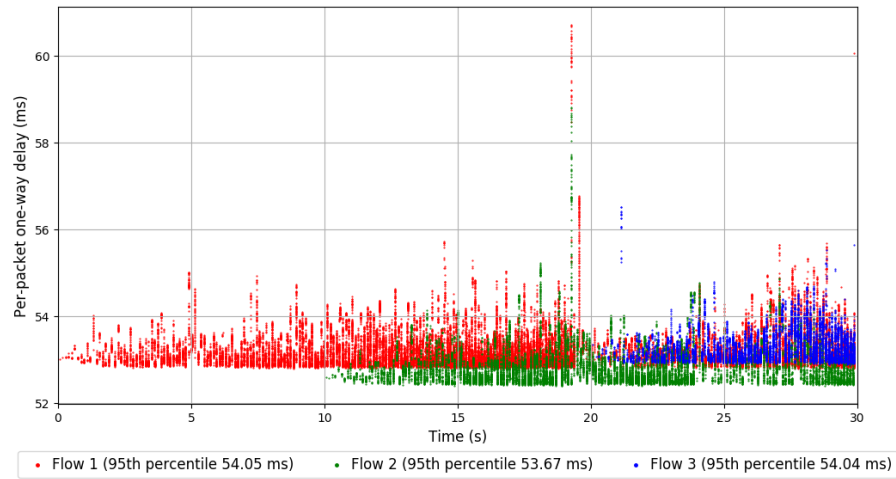
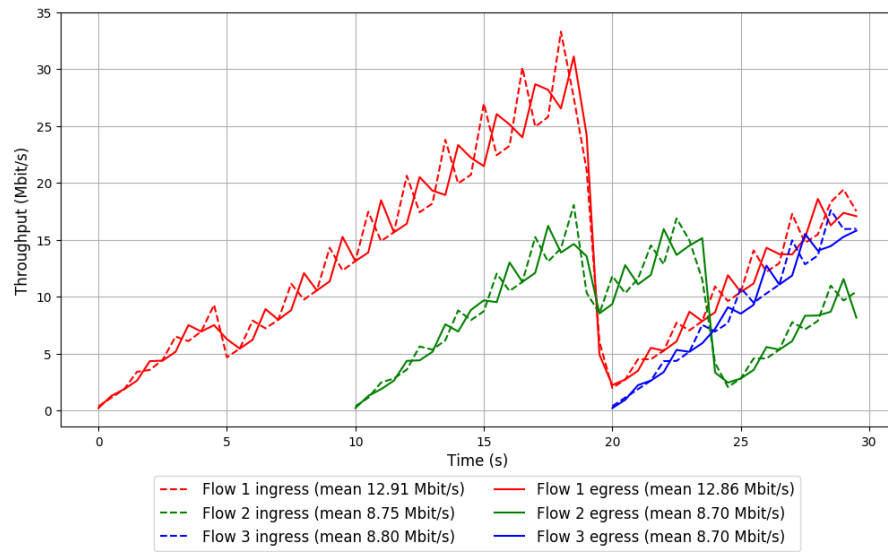
-- Flow 3:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 54.041 ms

Loss rate: 2.30%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:36:34 +0000

End at: Sun, 09 Jul 2017 23:37:04 +0000

Local clock offset: 0.524 ms

Remote clock offset: -4.853 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.83 Mbit/s

95th percentile per-packet one-way delay: 54.238 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 8.41 Mbit/s

95th percentile per-packet one-way delay: 53.889 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 54.363 ms

Loss rate: 1.34%

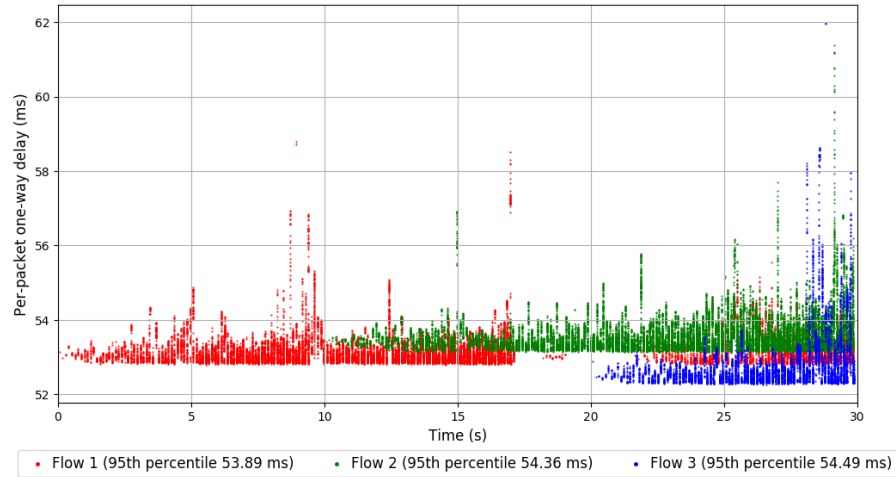
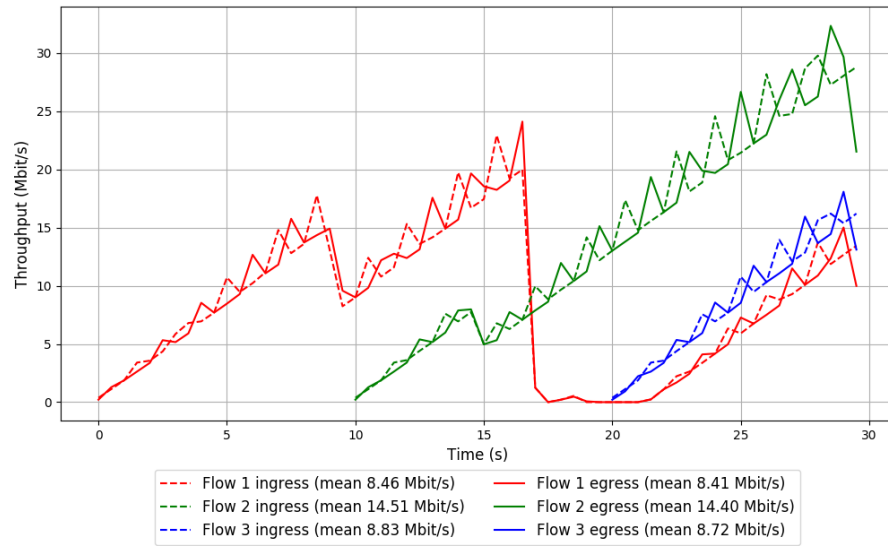
-- Flow 3:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 54.487 ms

Loss rate: 2.36%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:54:55 +0000

End at: Sun, 09 Jul 2017 23:55:25 +0000

Local clock offset: 0.468 ms

Remote clock offset: -5.268 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.59 Mbit/s

95th percentile per-packet one-way delay: 54.491 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 54.299 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 17.89 Mbit/s

95th percentile per-packet one-way delay: 54.715 ms

Loss rate: 1.15%

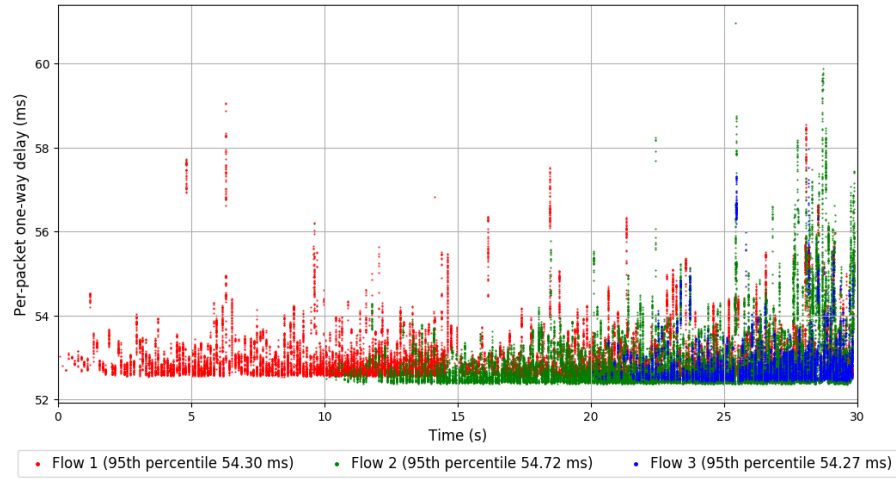
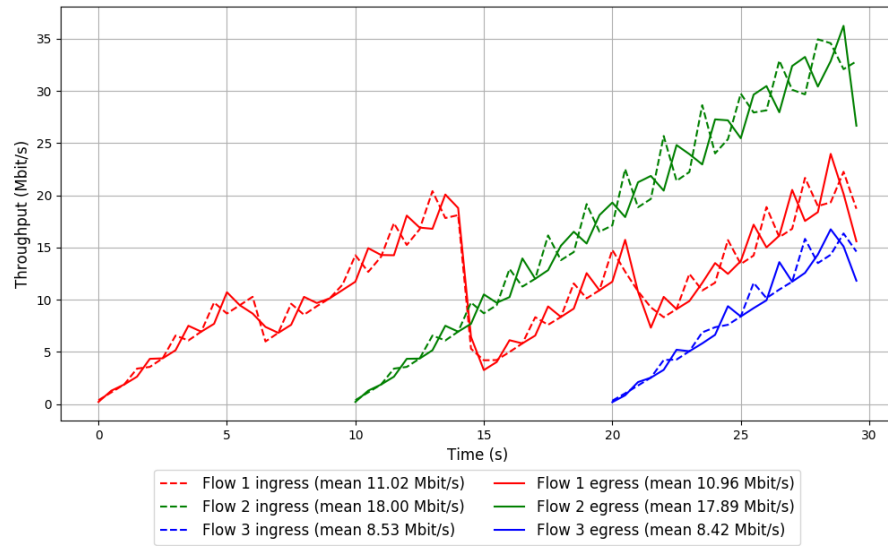
-- Flow 3:

Average throughput: 8.42 Mbit/s

95th percentile per-packet one-way delay: 54.267 ms

Loss rate: 2.39%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 00:13:31 +0000

End at: Mon, 10 Jul 2017 00:14:01 +0000

Local clock offset: 0.528 ms

Remote clock offset: -4.801 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 53.293 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 14.37 Mbit/s

95th percentile per-packet one-way delay: 53.117 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 53.442 ms

Loss rate: 1.89%

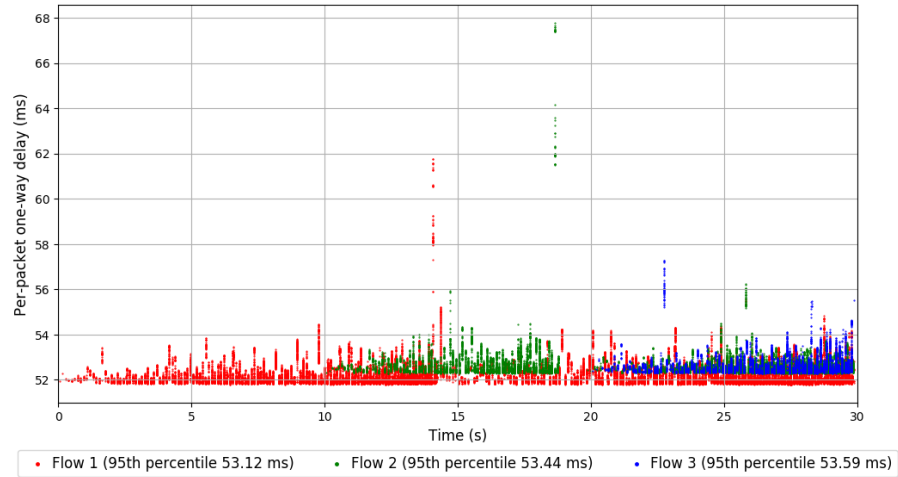
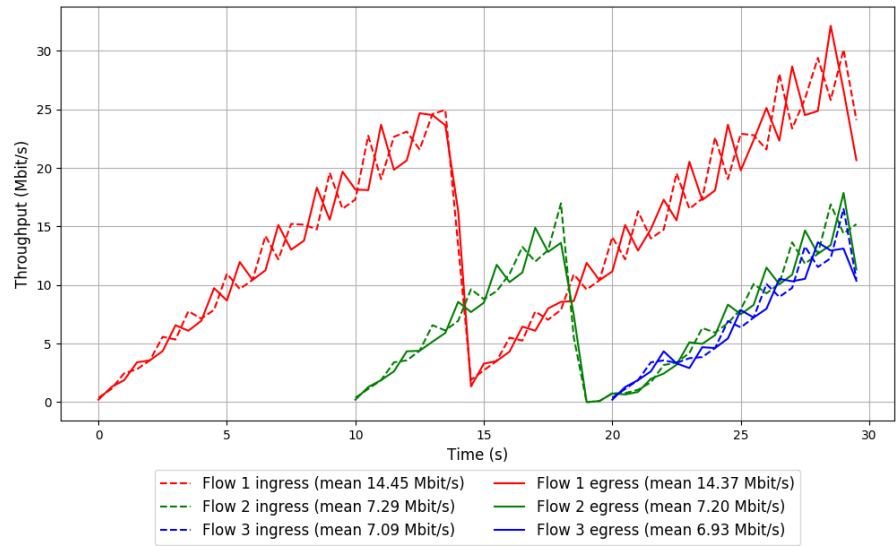
-- Flow 3:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 53.586 ms

Loss rate: 2.56%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 00:32:01 +0000

End at: Mon, 10 Jul 2017 00:32:31 +0000

Local clock offset: 0.544 ms

Remote clock offset: -5.218 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.36 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 53.549 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 1.78%

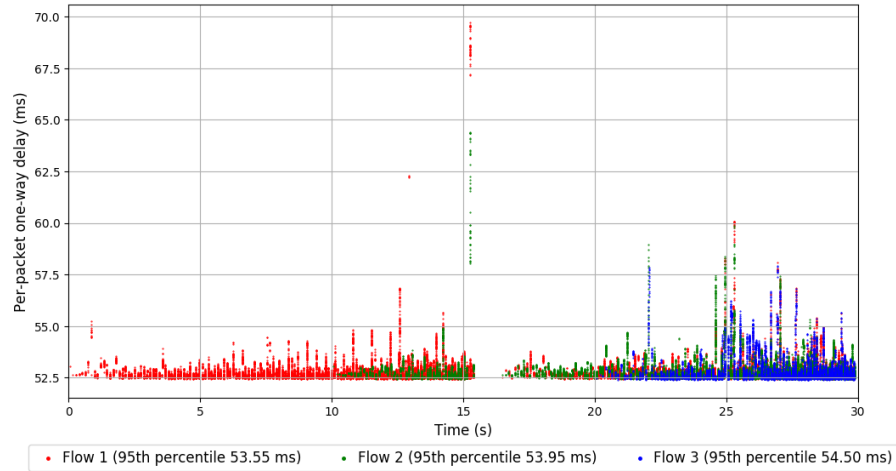
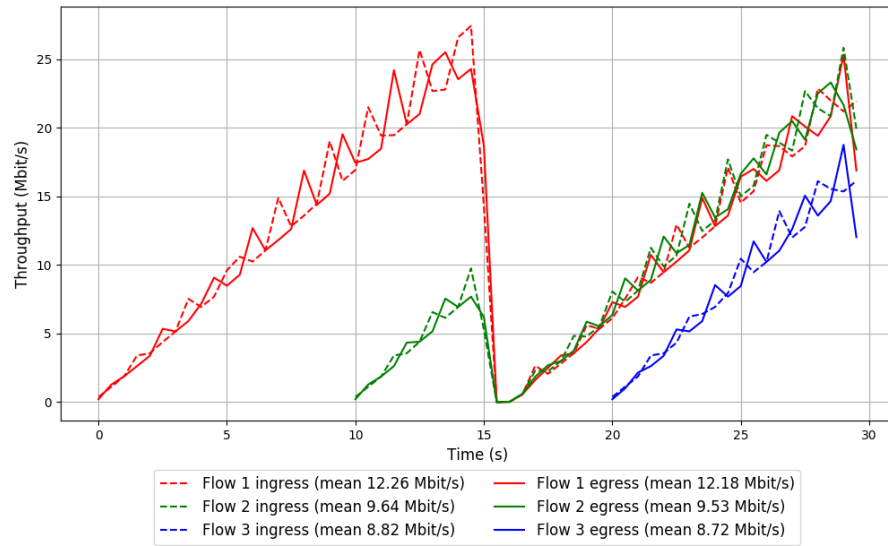
-- Flow 3:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 54.503 ms

Loss rate: 2.36%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 00:50:36 +0000

End at: Mon, 10 Jul 2017 00:51:06 +0000

Local clock offset: 0.475 ms

Remote clock offset: -4.649 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 58.875 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 22.56 Mbit/s

95th percentile per-packet one-way delay: 59.466 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 54.276 ms

Loss rate: 0.73%

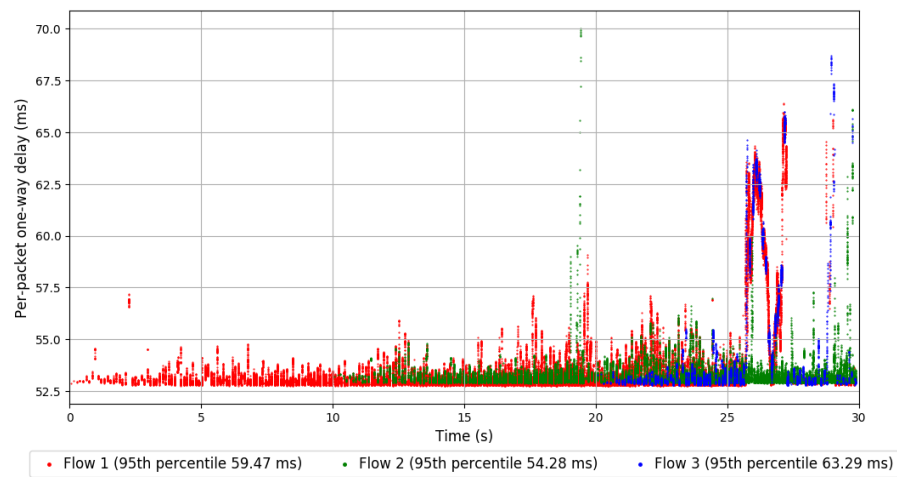
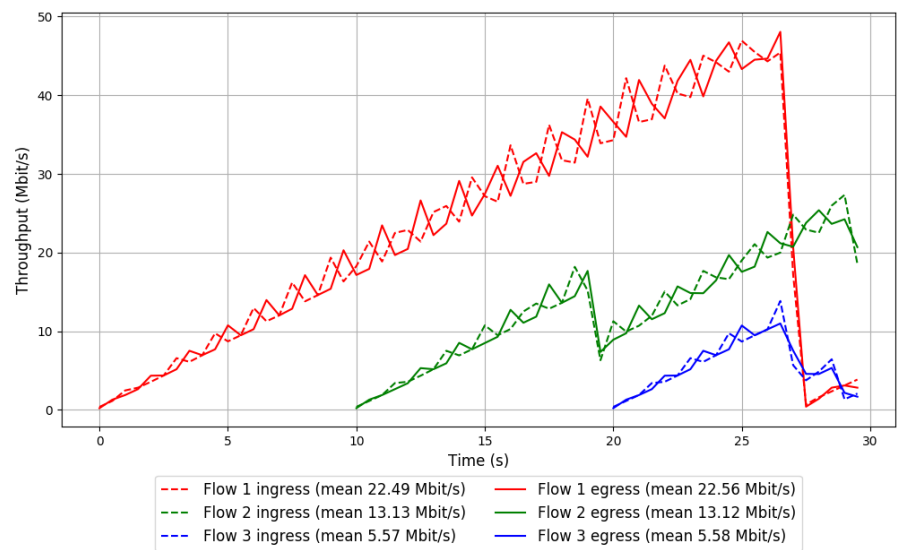
-- Flow 3:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 63.293 ms

Loss rate: 1.06%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 01:09:14 +0000

End at: Mon, 10 Jul 2017 01:09:44 +0000

Local clock offset: 0.443 ms

Remote clock offset: -4.335 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 54.853 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 55.081 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 54.579 ms

Loss rate: 0.77%

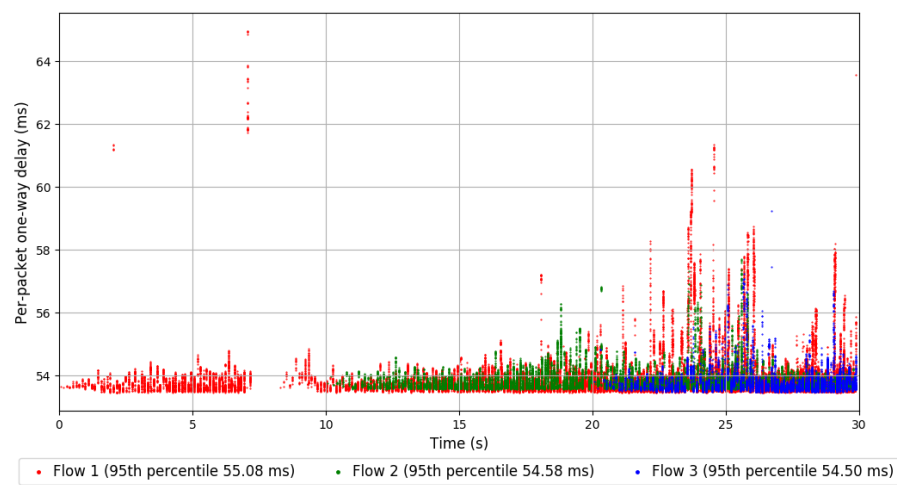
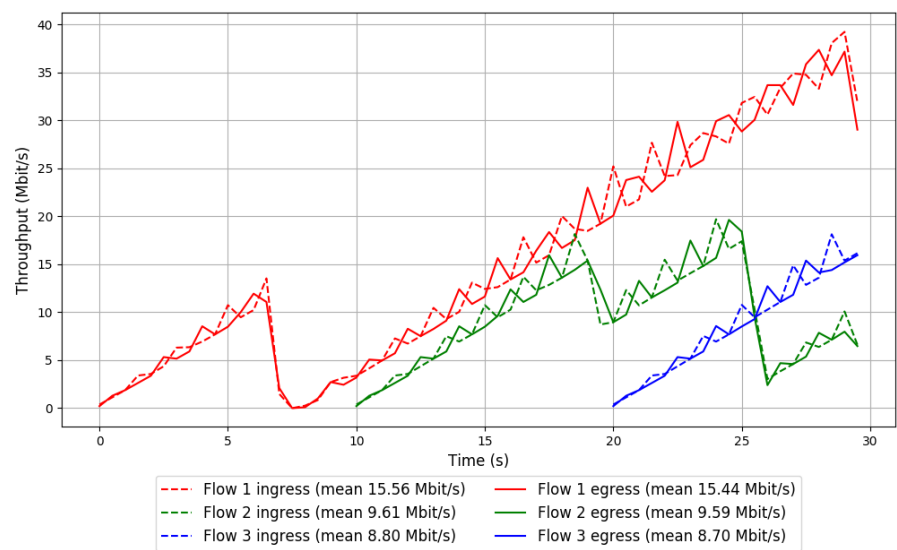
-- Flow 3:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 54.499 ms

Loss rate: 2.36%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 01:27:40 +0000

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

Local clock offset: 0.382 ms

Remote clock offset: -3.467 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.53 Mbit/s

95th percentile per-packet one-way delay: 56.035 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 56.046 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 10.41 Mbit/s

95th percentile per-packet one-way delay: 55.688 ms

Loss rate: 0.54%

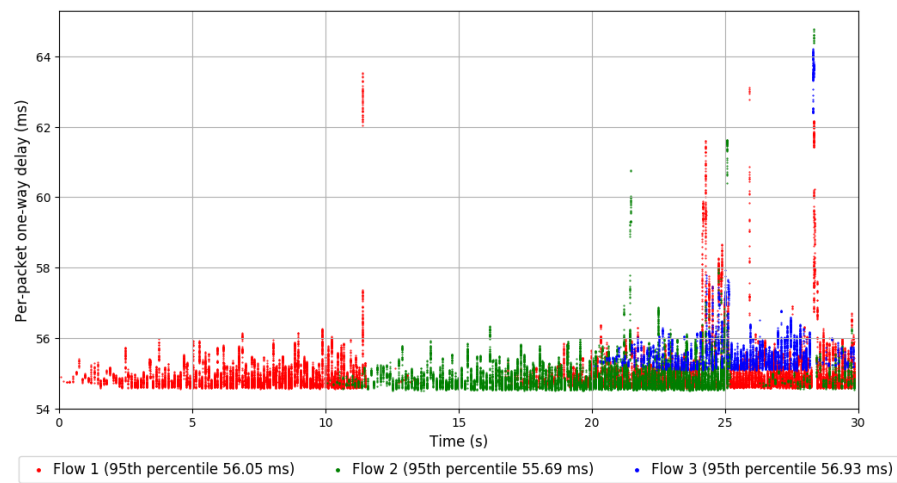
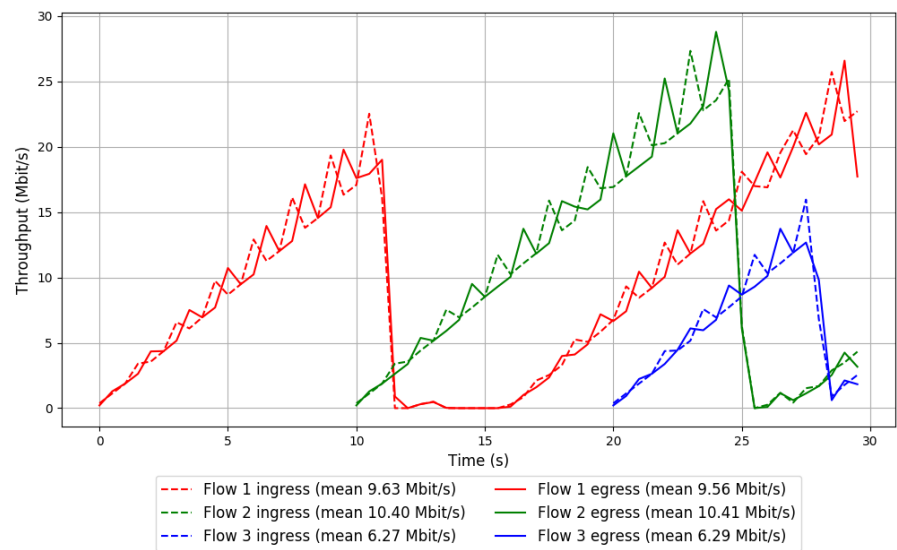
-- Flow 3:

Average throughput: 6.29 Mbit/s

95th percentile per-packet one-way delay: 56.929 ms

Loss rate: 0.76%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 01:46:19 +0000

End at: Mon, 10 Jul 2017 01:46:49 +0000

Local clock offset: 0.364 ms

Remote clock offset: -2.401 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:51:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 56.499 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 13.41 Mbit/s

95th percentile per-packet one-way delay: 56.343 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 56.856 ms

Loss rate: 0.51%

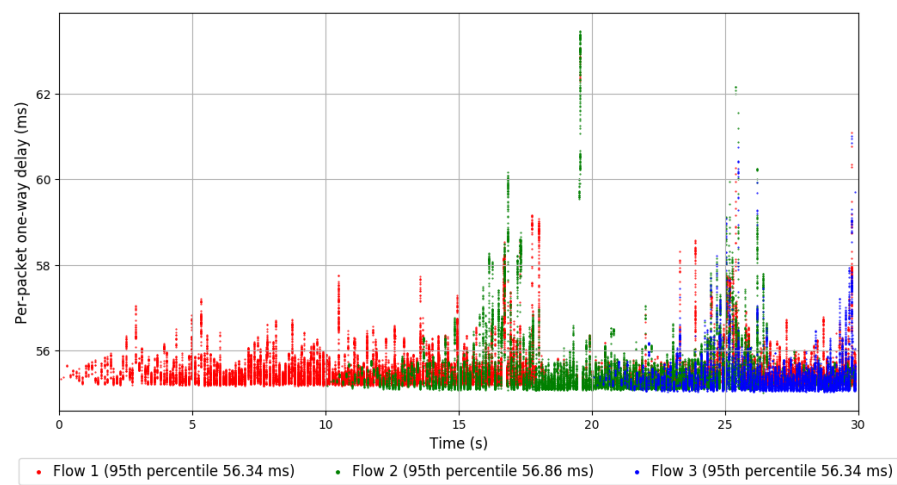
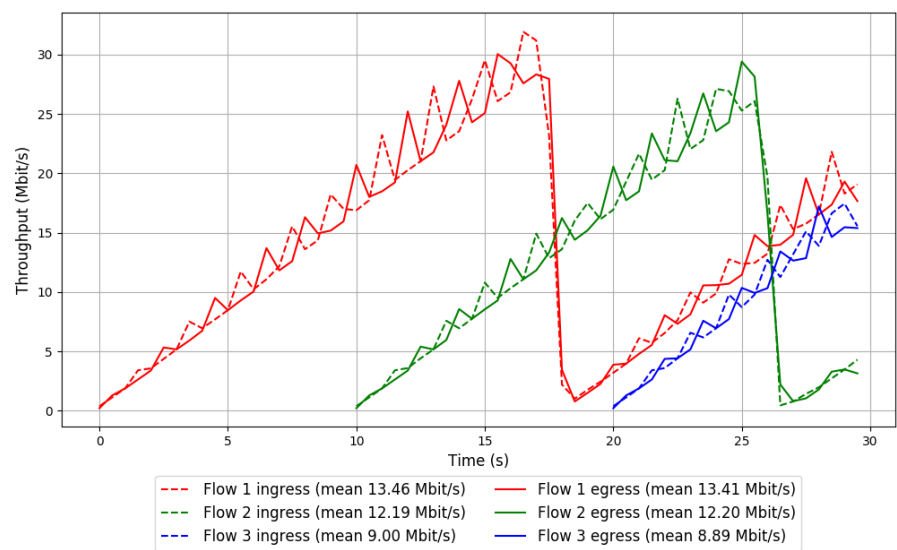
-- Flow 3:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 56.345 ms

Loss rate: 2.33%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Mon, 10 Jul 2017 02:04:38 +0000

End at: Mon, 10 Jul 2017 02:05:08 +0000

Local clock offset: 0.343 ms

Remote clock offset: -2.518 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.01 Mbit/s

95th percentile per-packet one-way delay: 56.624 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 56.685 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 56.063 ms

Loss rate: 0.62%

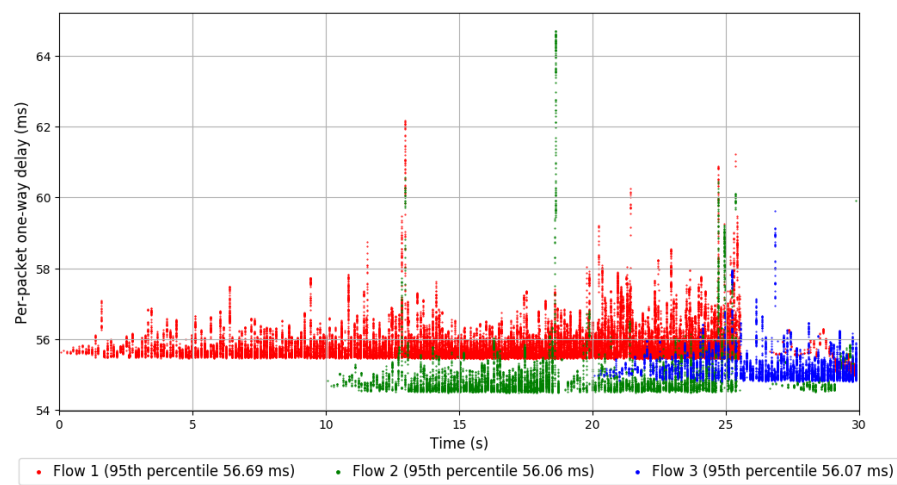
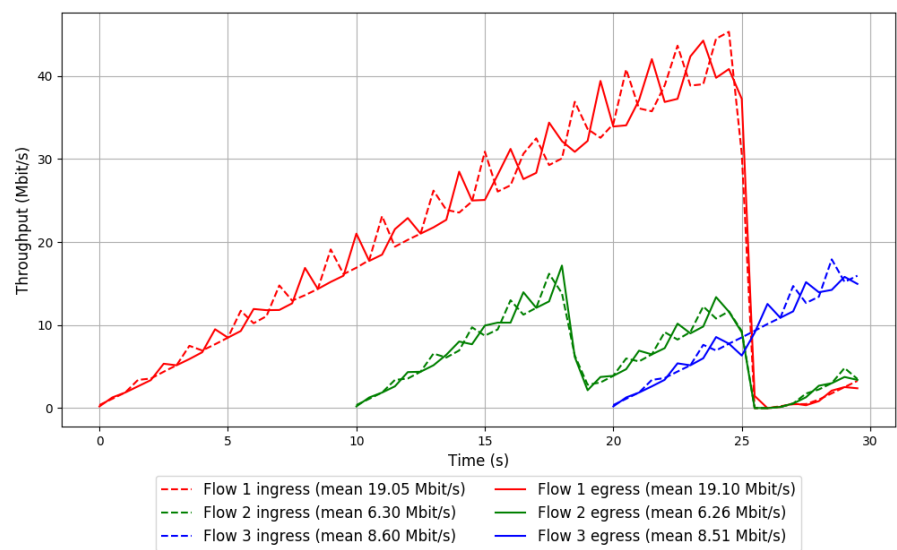
-- Flow 3:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 56.069 ms

Loss rate: 2.37%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

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

End at: Sun, 09 Jul 2017 23:14:39 +0000

Local clock offset: 0.514 ms

Remote clock offset: -4.419 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.88 Mbit/s

95th percentile per-packet one-way delay: 63.489 ms

Loss rate: 4.19%

-- Flow 1:

Average throughput: 62.97 Mbit/s

95th percentile per-packet one-way delay: 63.516 ms

Loss rate: 4.14%

-- Flow 2:

Average throughput: 8.32 Mbit/s

95th percentile per-packet one-way delay: 62.909 ms

Loss rate: 4.32%

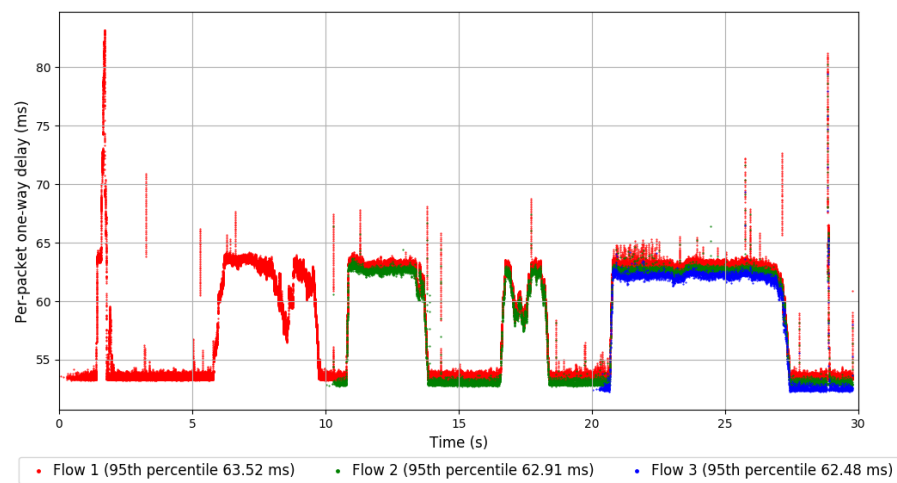
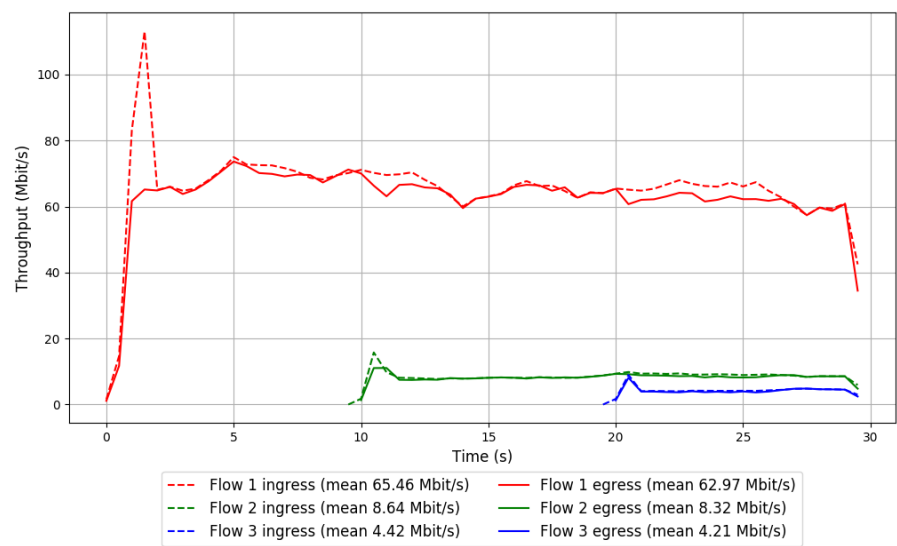
-- Flow 3:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 62.485 ms

Loss rate: 5.95%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:32:57 +0000

End at: Sun, 09 Jul 2017 23:33:27 +0000

Local clock offset: 0.52 ms

Remote clock offset: -4.669 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.99 Mbit/s

95th percentile per-packet one-way delay: 70.210 ms

Loss rate: 8.95%

-- Flow 1:

Average throughput: 46.09 Mbit/s

95th percentile per-packet one-way delay: 70.247 ms

Loss rate: 8.99%

-- Flow 2:

Average throughput: 34.07 Mbit/s

95th percentile per-packet one-way delay: 69.910 ms

Loss rate: 8.20%

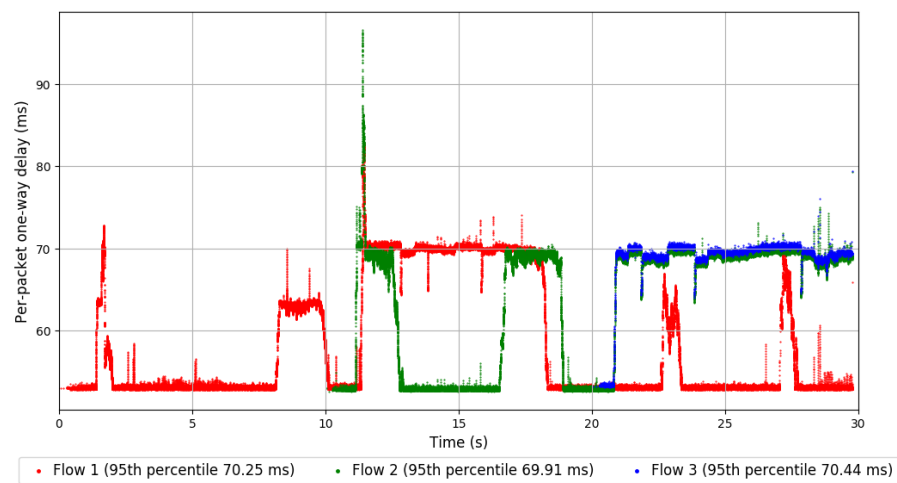
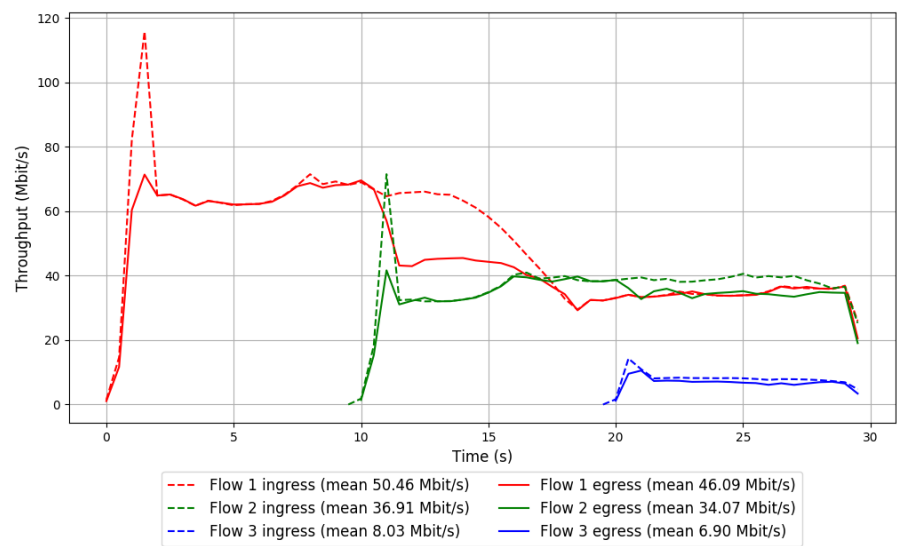
-- Flow 3:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 70.439 ms

Loss rate: 15.02%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:51:16 +0000

End at: Sun, 09 Jul 2017 23:51:46 +0000

Local clock offset: 0.505 ms

Remote clock offset: -4.692 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.34 Mbit/s

95th percentile per-packet one-way delay: 69.439 ms

Loss rate: 8.47%

-- Flow 1:

Average throughput: 47.04 Mbit/s

95th percentile per-packet one-way delay: 69.491 ms

Loss rate: 10.97%

-- Flow 2:

Average throughput: 35.81 Mbit/s

95th percentile per-packet one-way delay: 69.286 ms

Loss rate: 3.23%

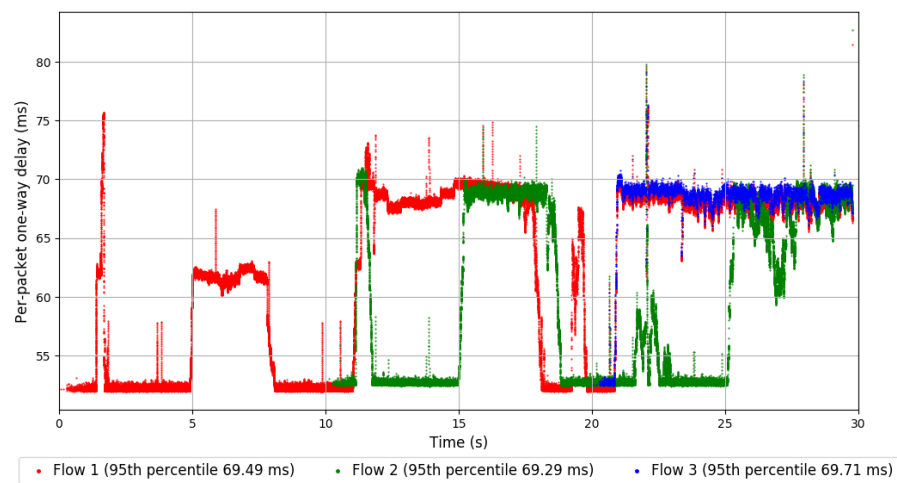
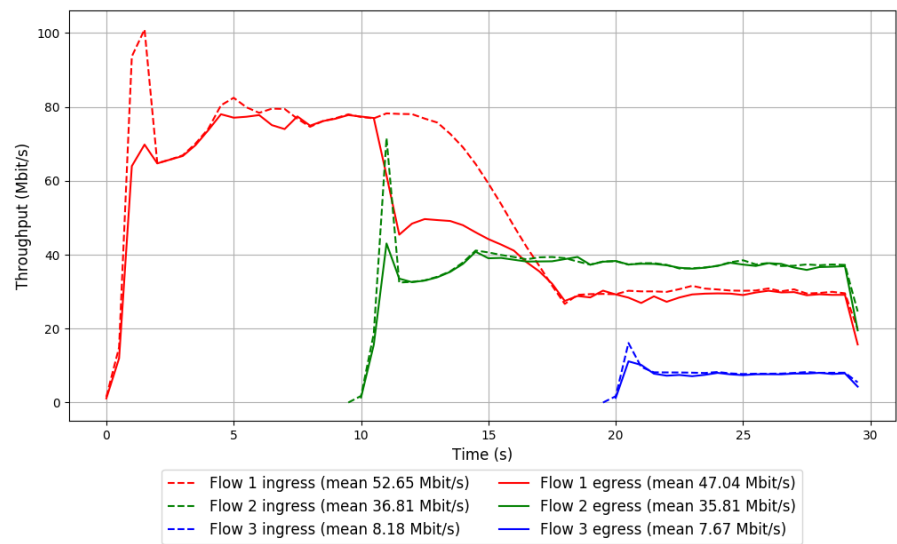
-- Flow 3:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 69.712 ms

Loss rate: 7.28%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Mon, 10 Jul 2017 00:09:48 +0000

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

Local clock offset: 0.514 ms

Remote clock offset: -5.046 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.32 Mbit/s

95th percentile per-packet one-way delay: 69.657 ms

Loss rate: 10.15%

-- Flow 1:

Average throughput: 46.67 Mbit/s

95th percentile per-packet one-way delay: 69.700 ms

Loss rate: 12.03%

-- Flow 2:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 69.440 ms

Loss rate: 6.24%

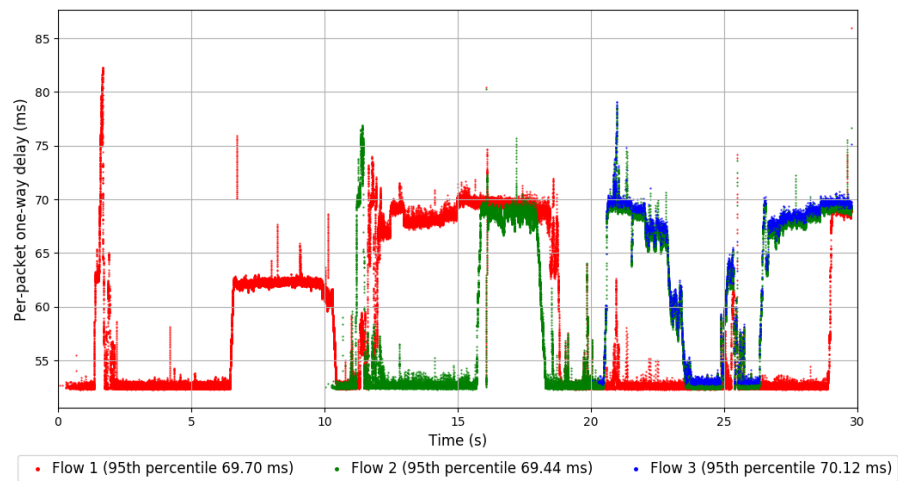
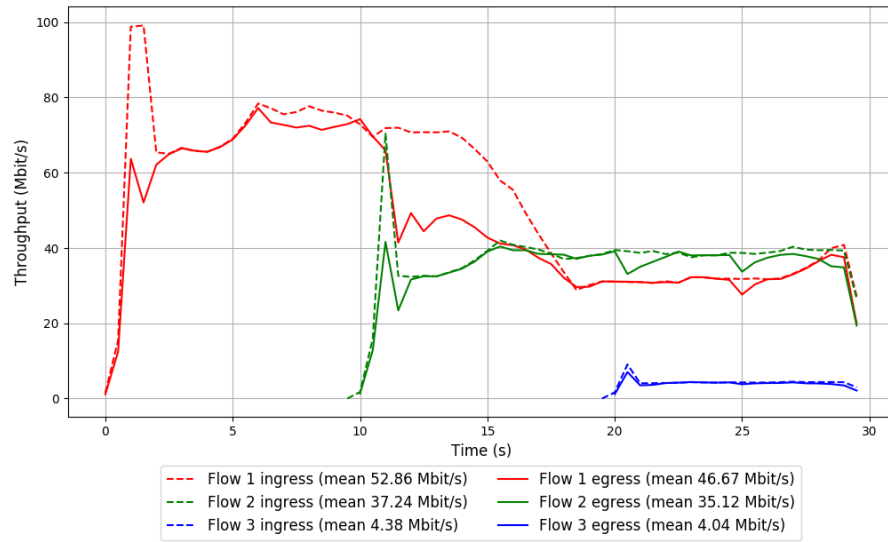
-- Flow 3:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 70.124 ms

Loss rate: 8.86%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Mon, 10 Jul 2017 00:28:26 +0000

End at: Mon, 10 Jul 2017 00:28:56 +0000

Local clock offset: 0.491 ms

Remote clock offset: -5.405 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.44 Mbit/s

95th percentile per-packet one-way delay: 63.361 ms

Loss rate: 4.03%

-- Flow 1:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 63.394 ms

Loss rate: 4.09%

-- Flow 2:

Average throughput: 10.05 Mbit/s

95th percentile per-packet one-way delay: 62.775 ms

Loss rate: 3.36%

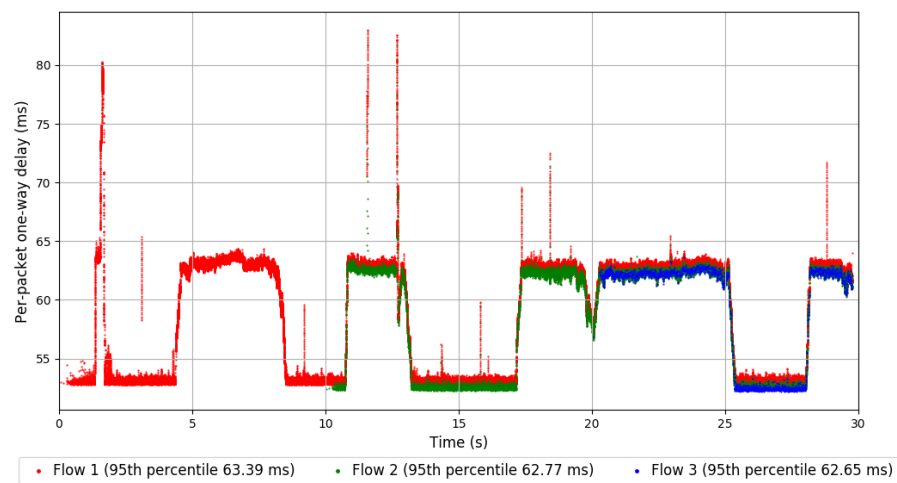
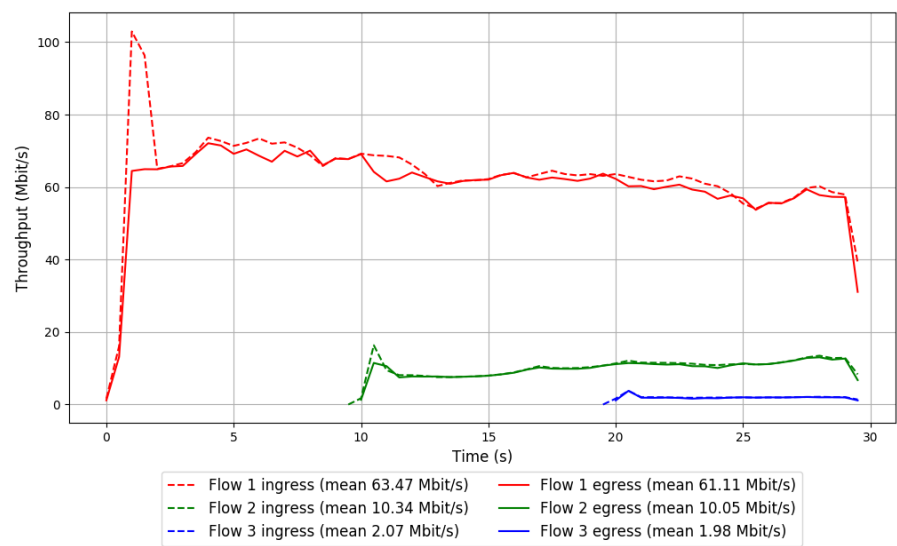
-- Flow 3:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 62.651 ms

Loss rate: 5.22%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Mon, 10 Jul 2017 00:47:03 +0000

End at: Mon, 10 Jul 2017 00:47:33 +0000

Local clock offset: 0.473 ms

Remote clock offset: -4.472 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 62.793 ms

Loss rate: 4.28%

-- Flow 1:

Average throughput: 67.56 Mbit/s

95th percentile per-packet one-way delay: 62.799 ms

Loss rate: 4.20%

-- Flow 2:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 62.315 ms

Loss rate: 5.43%

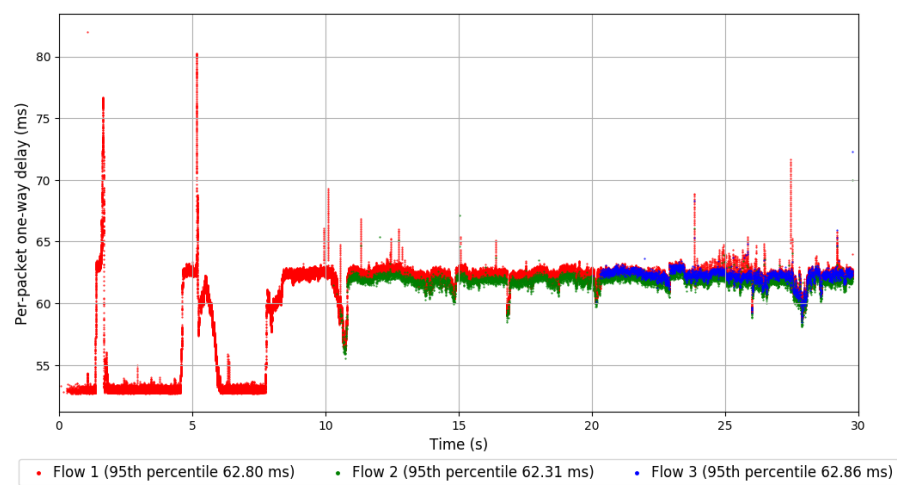
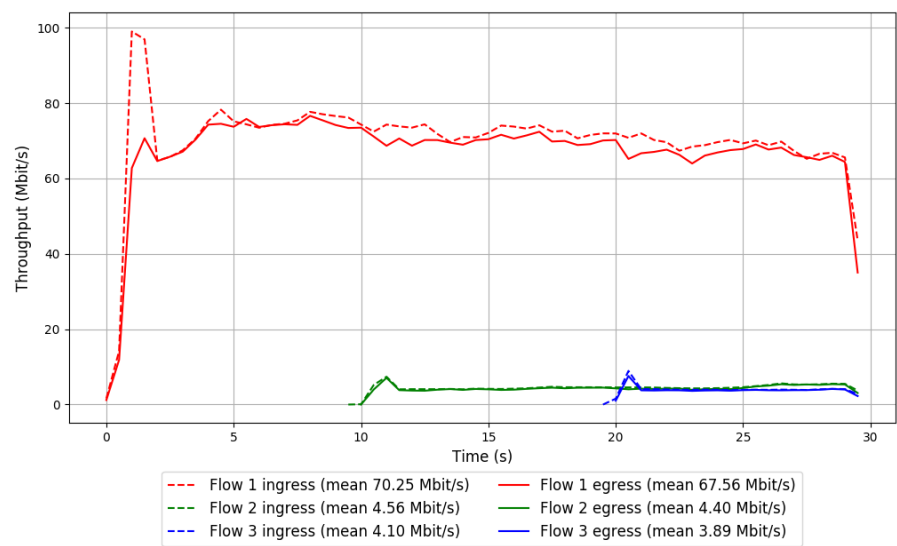
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 62.859 ms

Loss rate: 6.33%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Mon, 10 Jul 2017 01:05:28 +0000

End at: Mon, 10 Jul 2017 01:05:58 +0000

Local clock offset: 0.375 ms

Remote clock offset: -4.291 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 70.987 ms

Loss rate: 11.17%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 71.005 ms

Loss rate: 11.55%

-- Flow 2:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 70.704 ms

Loss rate: 22.40%

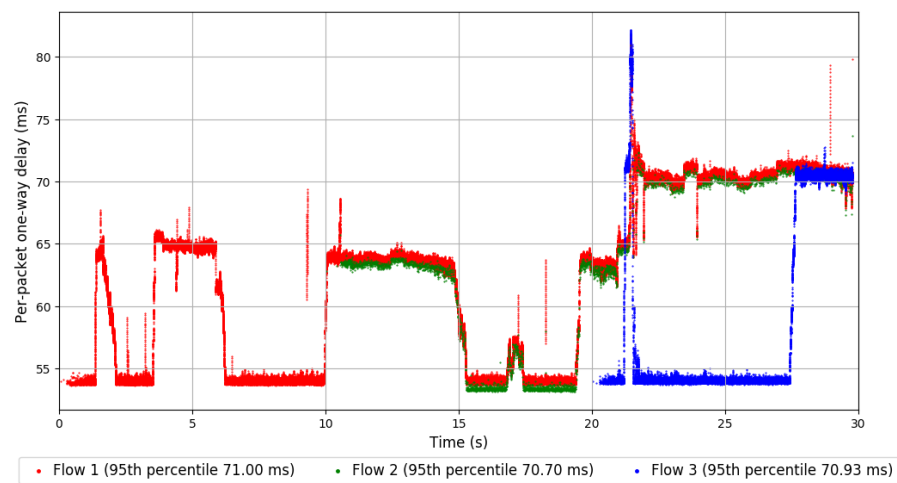
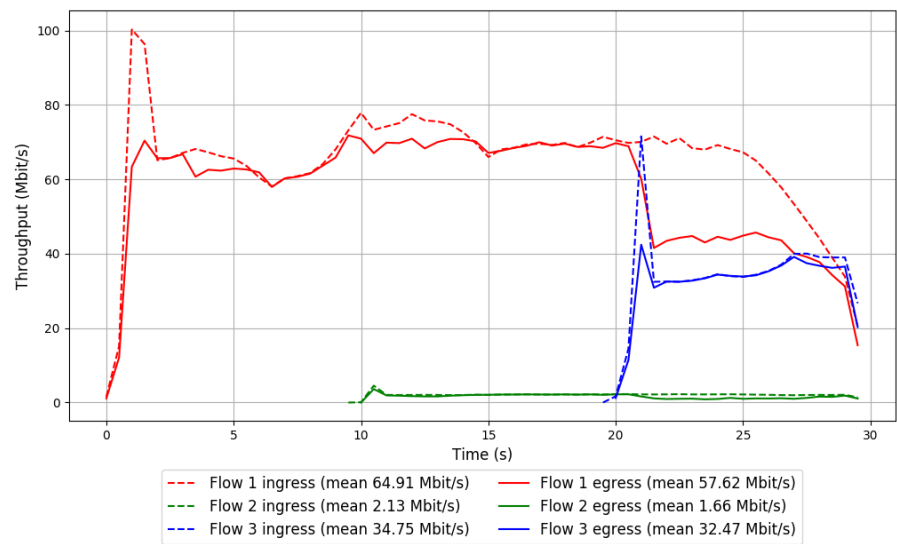
-- Flow 3:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 70.927 ms

Loss rate: 7.63%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Mon, 10 Jul 2017 01:24:03 +0000

End at: Mon, 10 Jul 2017 01:24:33 +0000

Local clock offset: 0.363 ms

Remote clock offset: -3.62 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 71.972 ms

Loss rate: 10.21%

-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 71.926 ms

Loss rate: 10.10%

-- Flow 2:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 72.228 ms

Loss rate: 17.15%

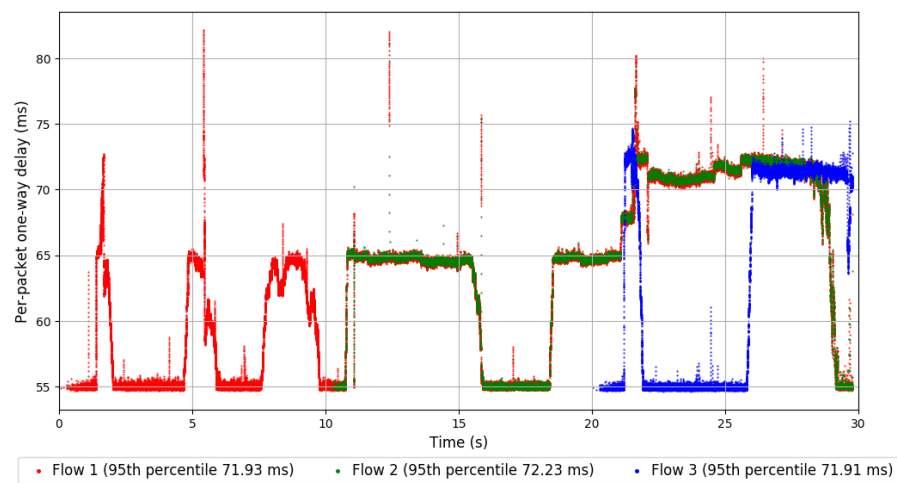
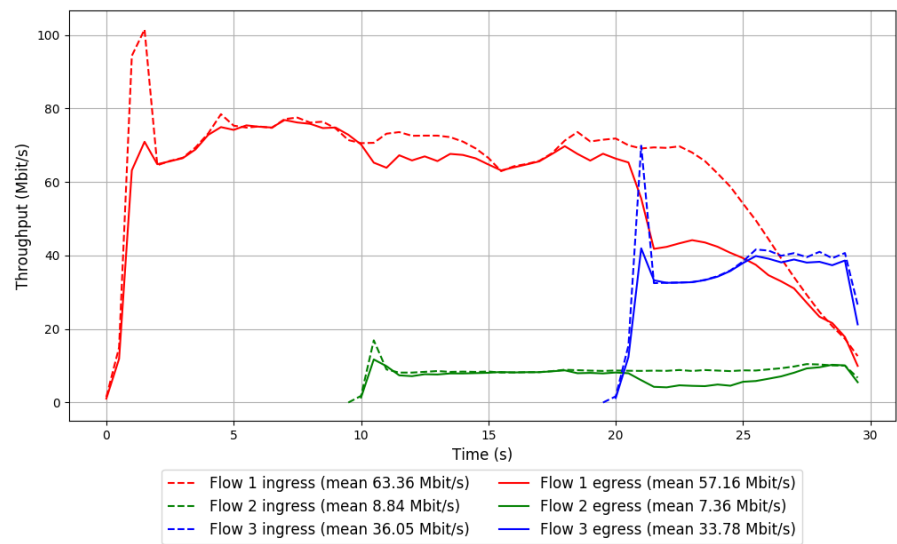
-- Flow 3:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 71.907 ms

Loss rate: 7.40%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

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

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

Local clock offset: 0.383 ms

Remote clock offset: -2.941 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 72.492 ms

Loss rate: 9.35%

-- Flow 1:

Average throughput: 46.20 Mbit/s

95th percentile per-packet one-way delay: 72.578 ms

Loss rate: 11.71%

-- Flow 2:

Average throughput: 33.13 Mbit/s

95th percentile per-packet one-way delay: 71.699 ms

Loss rate: 4.42%

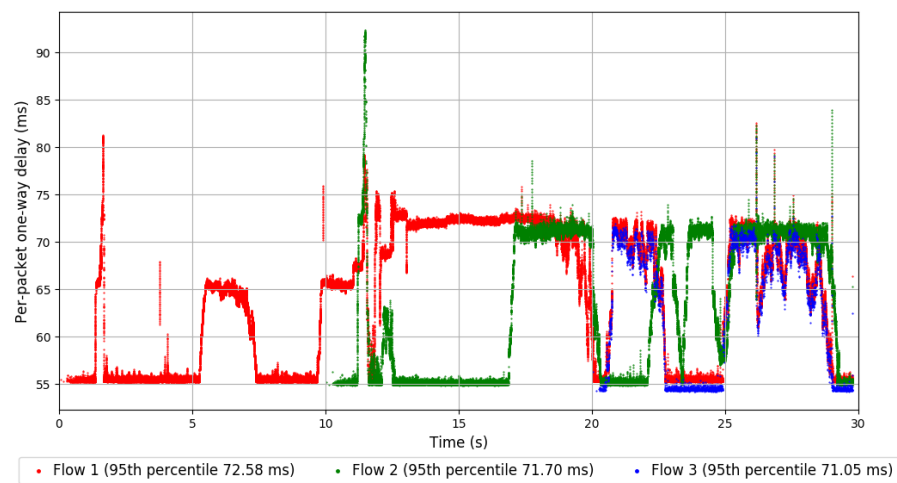
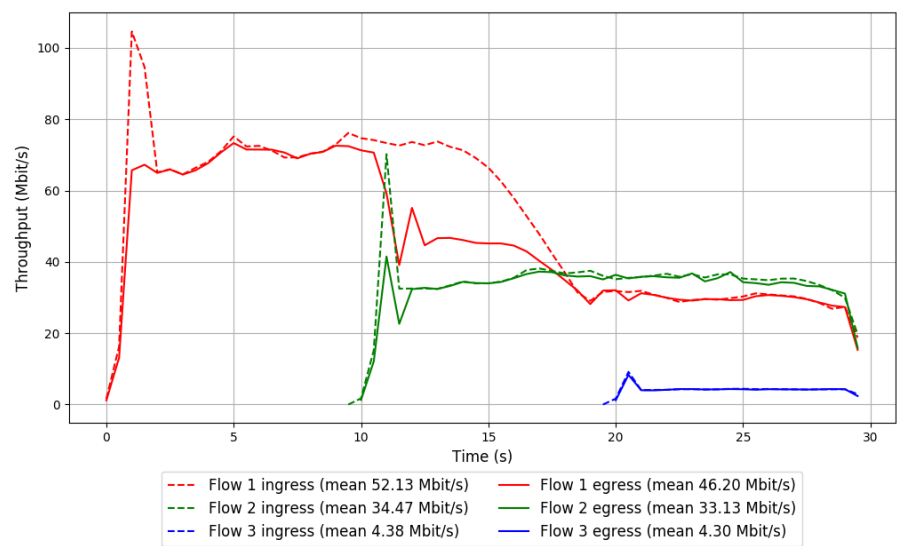
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 71.052 ms

Loss rate: 2.67%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

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

End at: Mon, 10 Jul 2017 02:01:32 +0000

Local clock offset: 0.394 ms

Remote clock offset: -2.652 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.17 Mbit/s

95th percentile per-packet one-way delay: 72.682 ms

Loss rate: 10.11%

-- Flow 1:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 72.782 ms

Loss rate: 13.00%

-- Flow 2:

Average throughput: 35.40 Mbit/s

95th percentile per-packet one-way delay: 71.432 ms

Loss rate: 4.64%

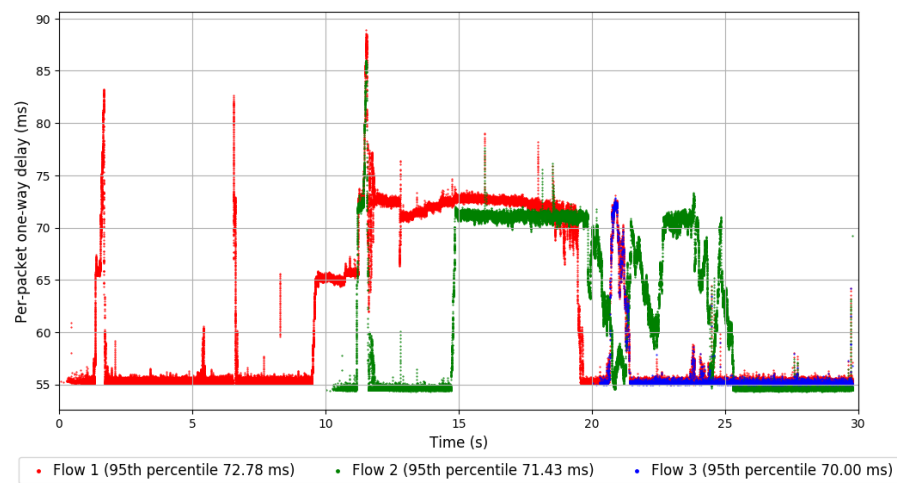
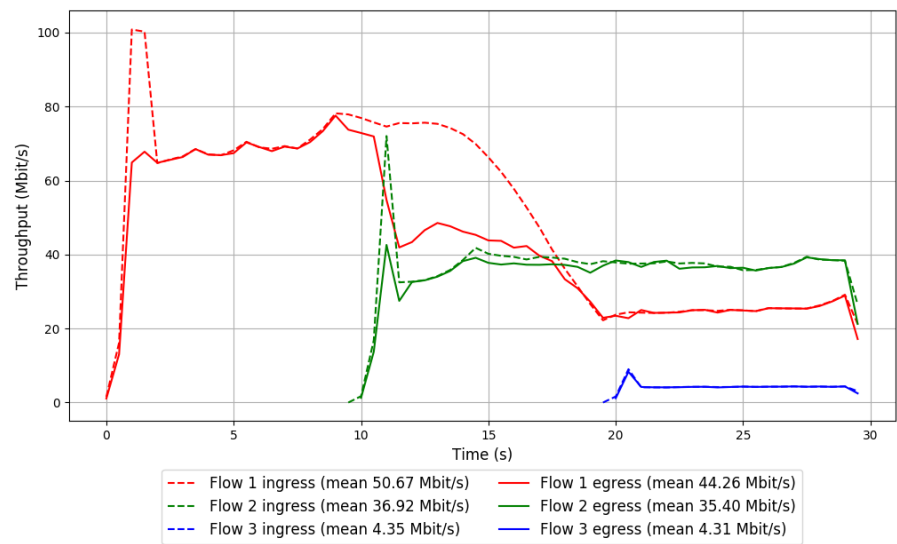
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 69.996 ms

Loss rate: 2.05%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

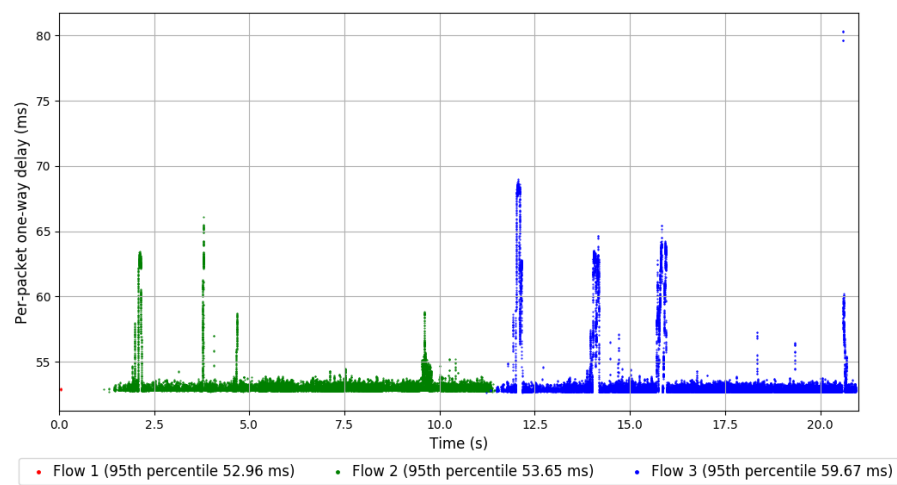
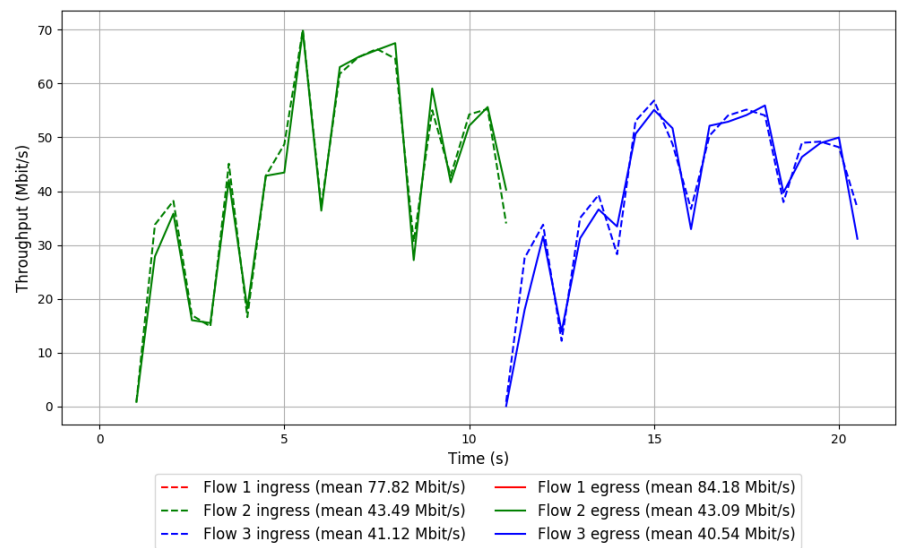
Start at: Sun, 09 Jul 2017 23:20:09 +0000

End at: Sun, 09 Jul 2017 23:20:39 +0000

Local clock offset: 0.54 ms

Remote clock offset: -4.403 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

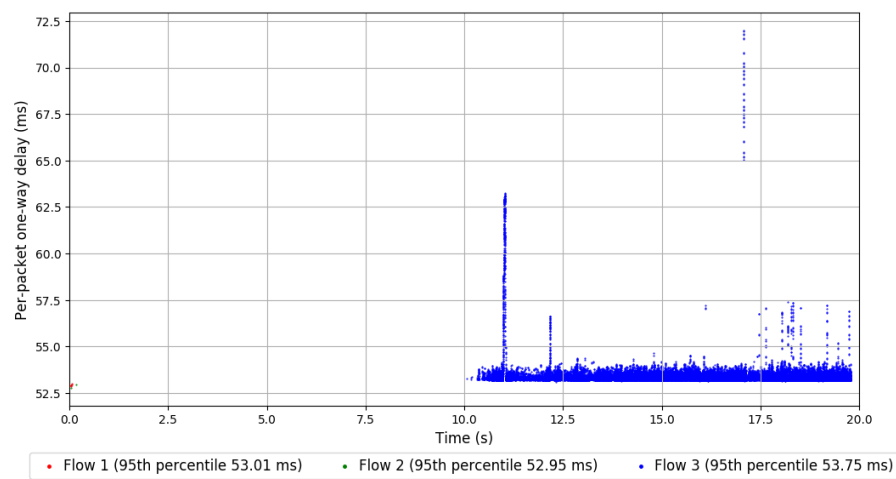
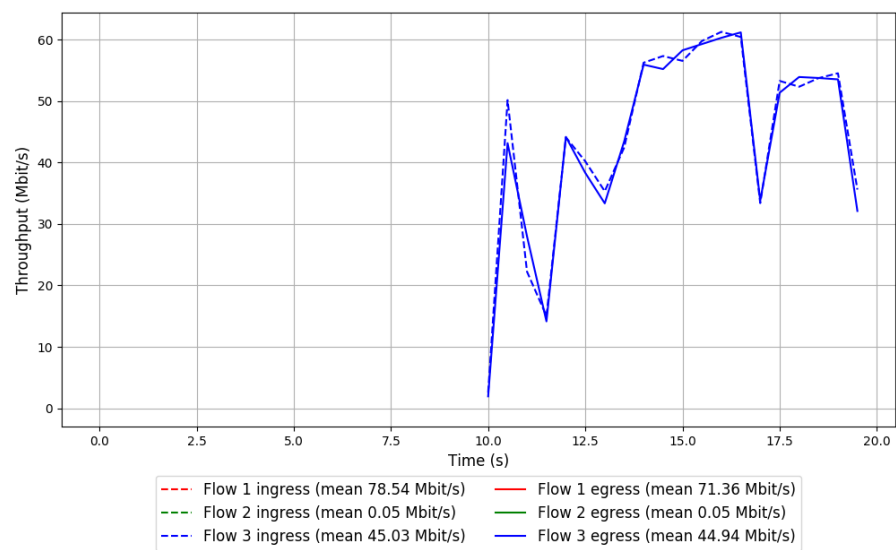
Start at: Sun, 09 Jul 2017 23:38:54 +0000

End at: Sun, 09 Jul 2017 23:39:24 +0000

Local clock offset: 0.499 ms

Remote clock offset: -4.835 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

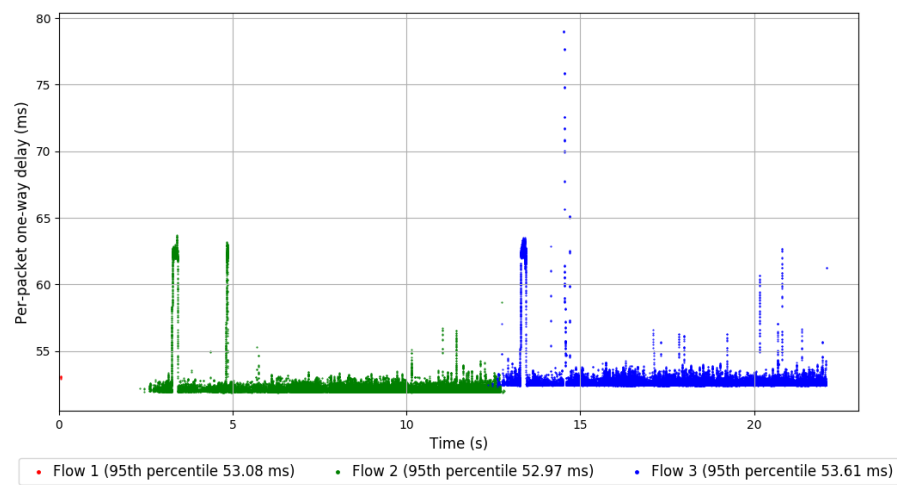
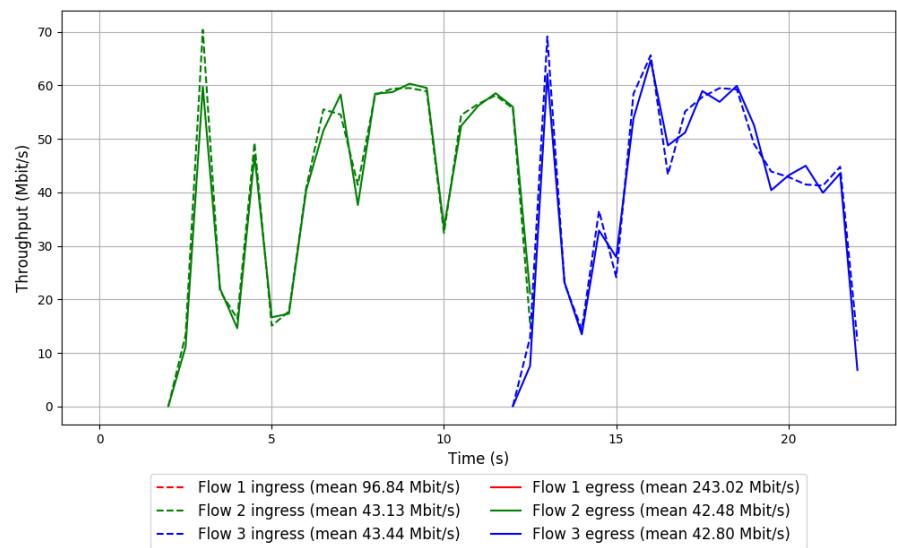
Start at: Sun, 09 Jul 2017 23:57:16 +0000

End at: Sun, 09 Jul 2017 23:57:46 +0000

Local clock offset: 0.476 ms

Remote clock offset: -4.743 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

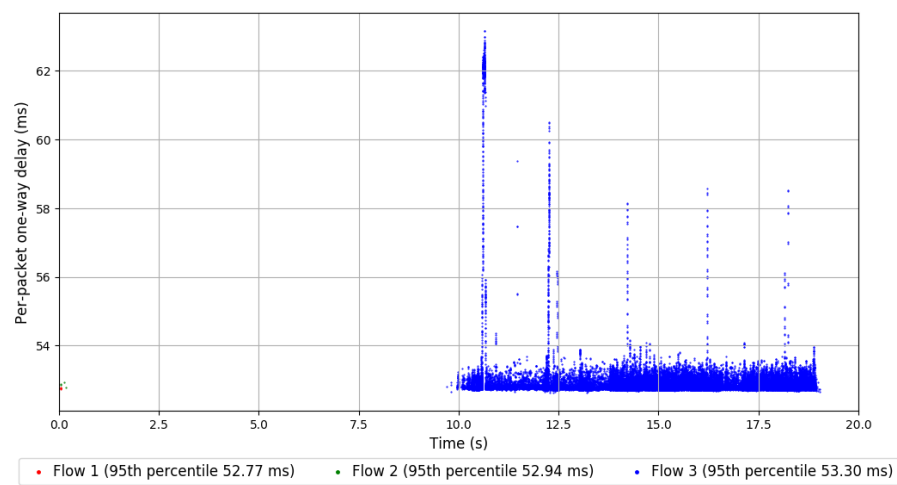
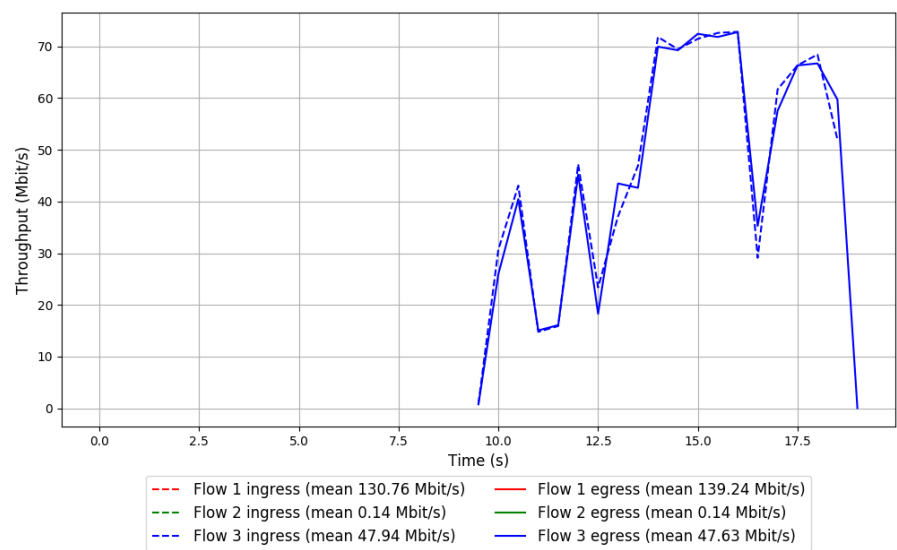
Start at: Mon, 10 Jul 2017 00:15:51 +0000

End at: Mon, 10 Jul 2017 00:16:21 +0000

Local clock offset: 0.461 ms

Remote clock offset: -4.786 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

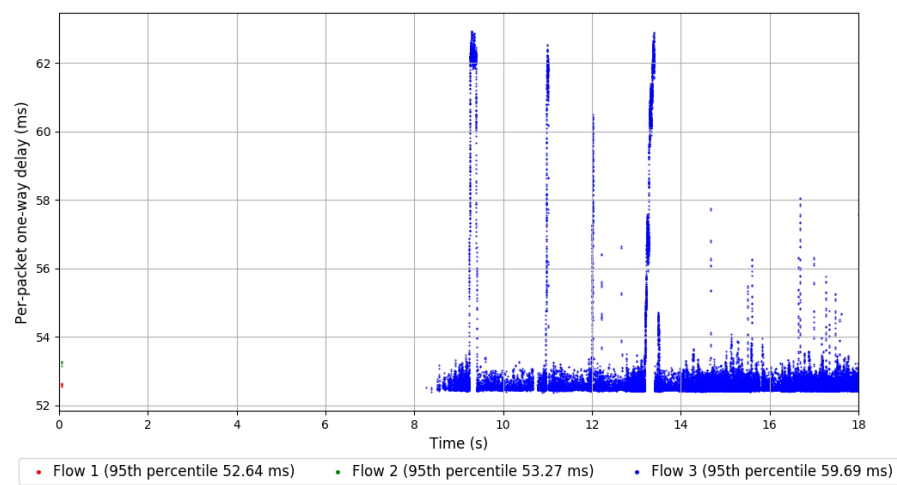
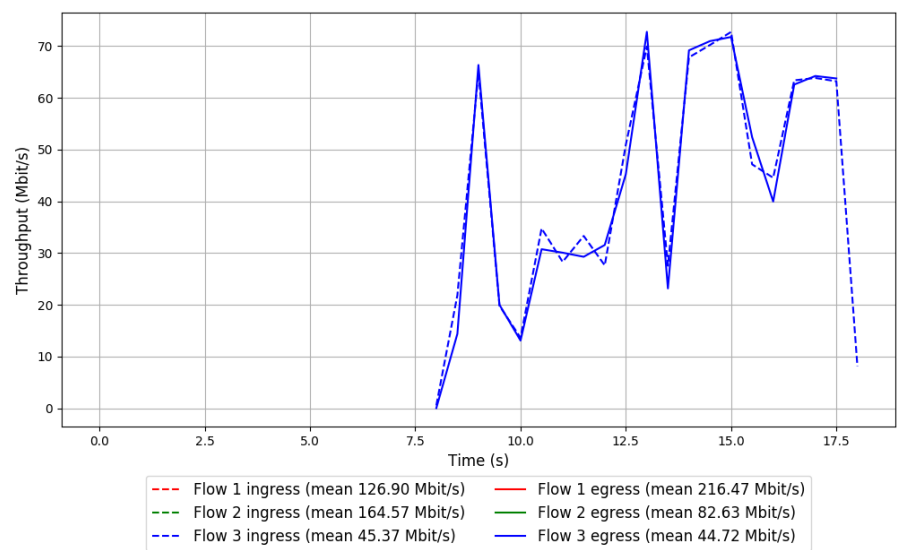
Start at: Mon, 10 Jul 2017 00:34:22 +0000

End at: Mon, 10 Jul 2017 00:34:52 +0000

Local clock offset: 0.527 ms

Remote clock offset: -5.128 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Mon, 10 Jul 2017 00:52:58 +0000

End at: Mon, 10 Jul 2017 00:53:28 +0000

Local clock offset: 0.443 ms

Remote clock offset: -4.825 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 61.847 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 38.08 Mbit/s

95th percentile per-packet one-way delay: 62.220 ms

Loss rate: 1.98%

-- Flow 2:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 61.139 ms

Loss rate: 1.11%

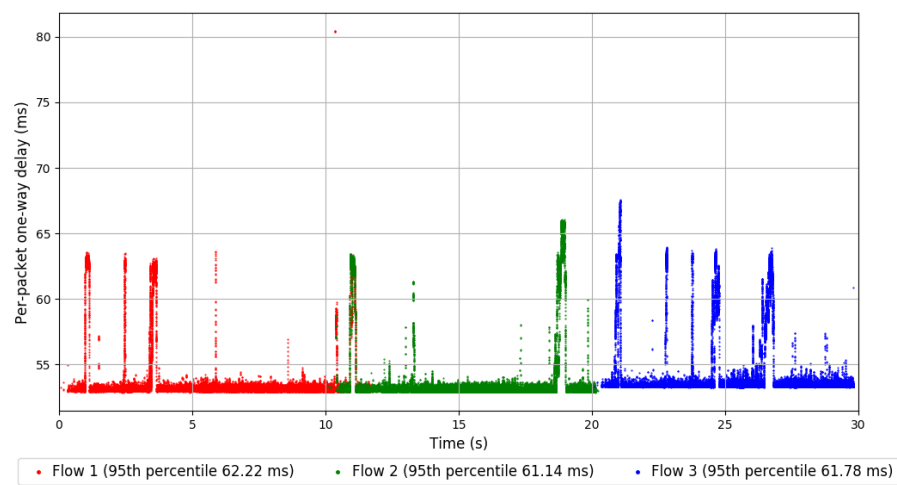
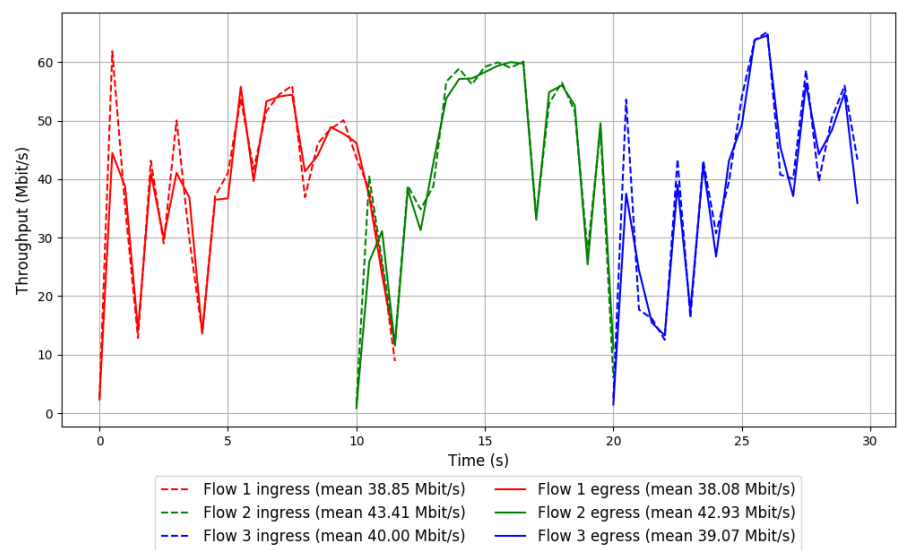
-- Flow 3:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 3.40%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

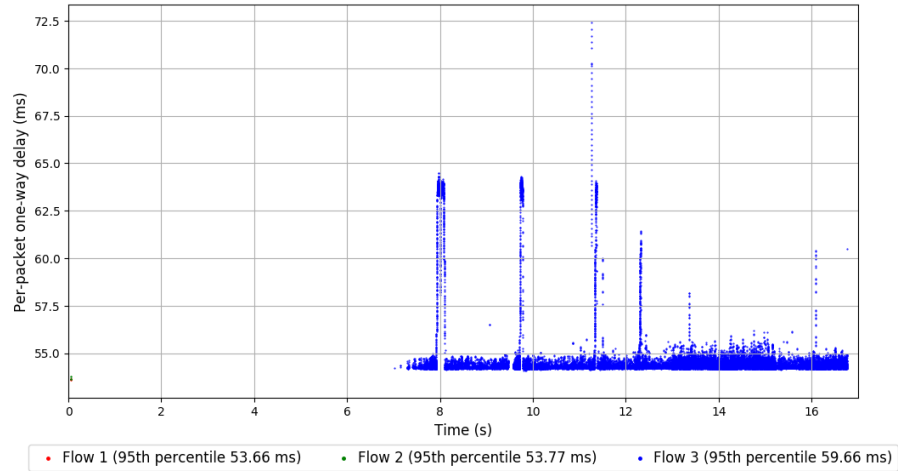
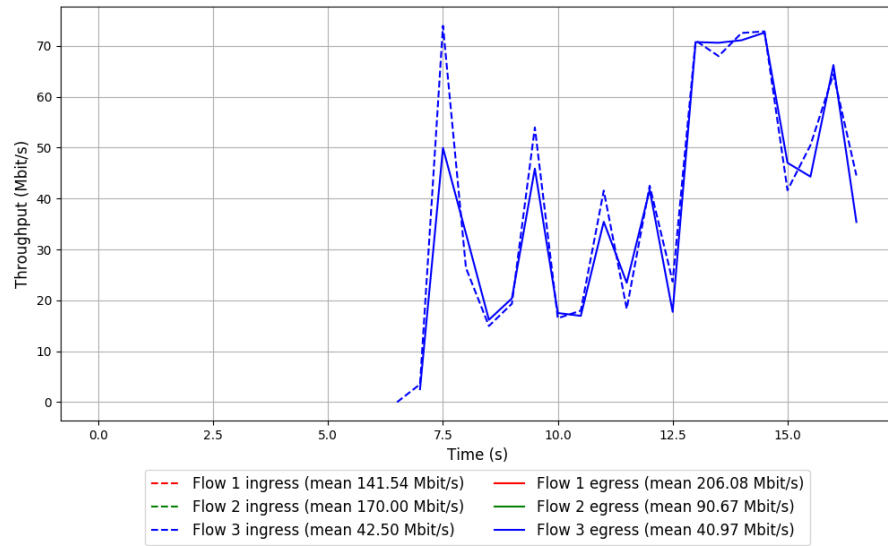
Start at: Mon, 10 Jul 2017 01:11:35 +0000

End at: Mon, 10 Jul 2017 01:12:05 +0000

Local clock offset: 0.377 ms

Remote clock offset: -3.653 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

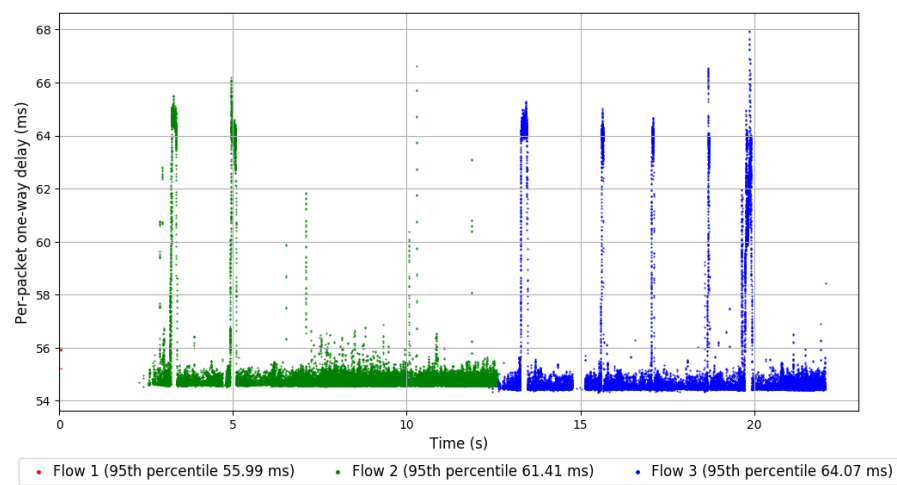
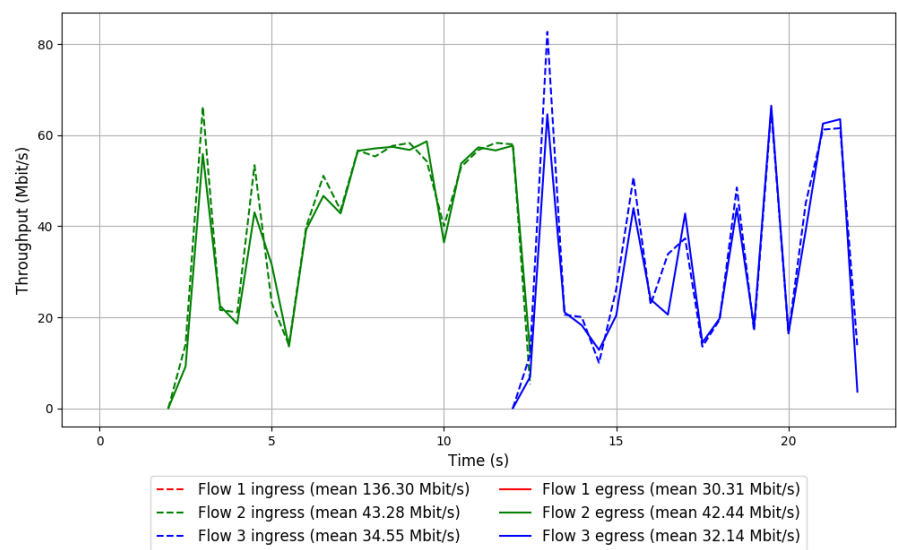
Start at: Mon, 10 Jul 2017 01:30:00 +0000

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

Local clock offset: 0.339 ms

Remote clock offset: -2.91 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

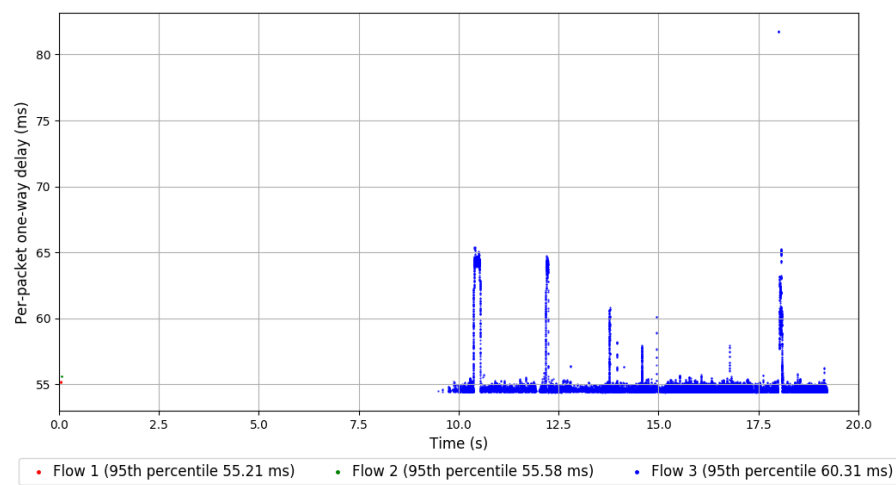
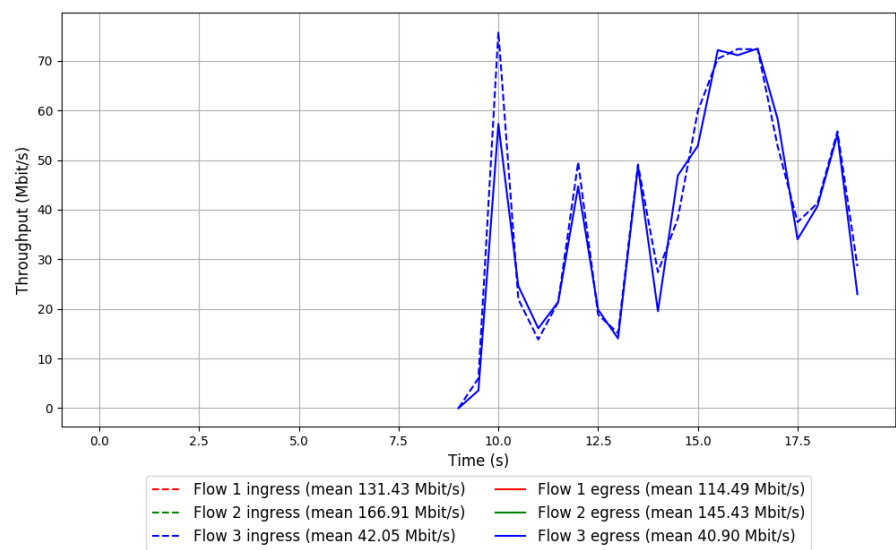
Start at: Mon, 10 Jul 2017 01:48:40 +0000

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

Local clock offset: 0.38 ms

Remote clock offset: -2.826 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

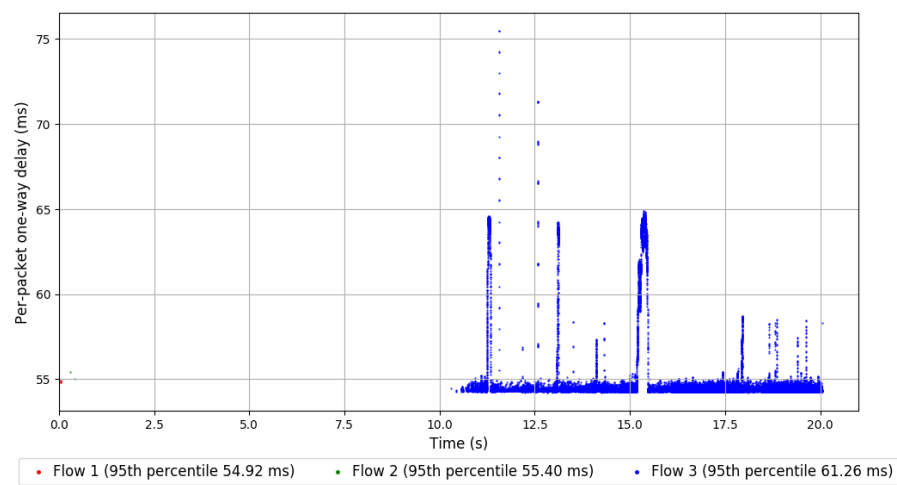
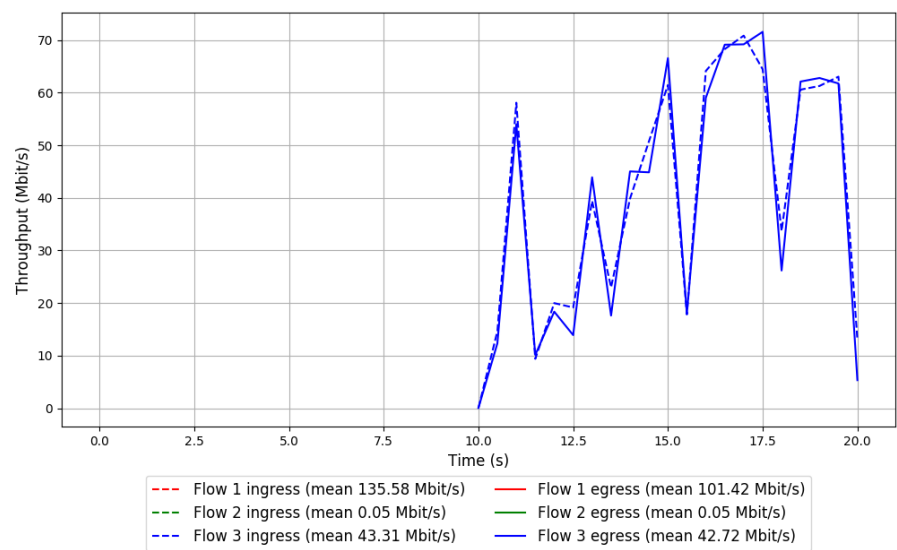
Start at: Mon, 10 Jul 2017 02:07:00 +0000

End at: Mon, 10 Jul 2017 02:07:30 +0000

Local clock offset: 0.438 ms

Remote clock offset: -3.041 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:21:20 +0000

End at: Sun, 09 Jul 2017 23:21:50 +0000

Local clock offset: 0.517 ms

Remote clock offset: -4.564 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 54.706 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 55.185 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 54.129 ms

Loss rate: 0.59%

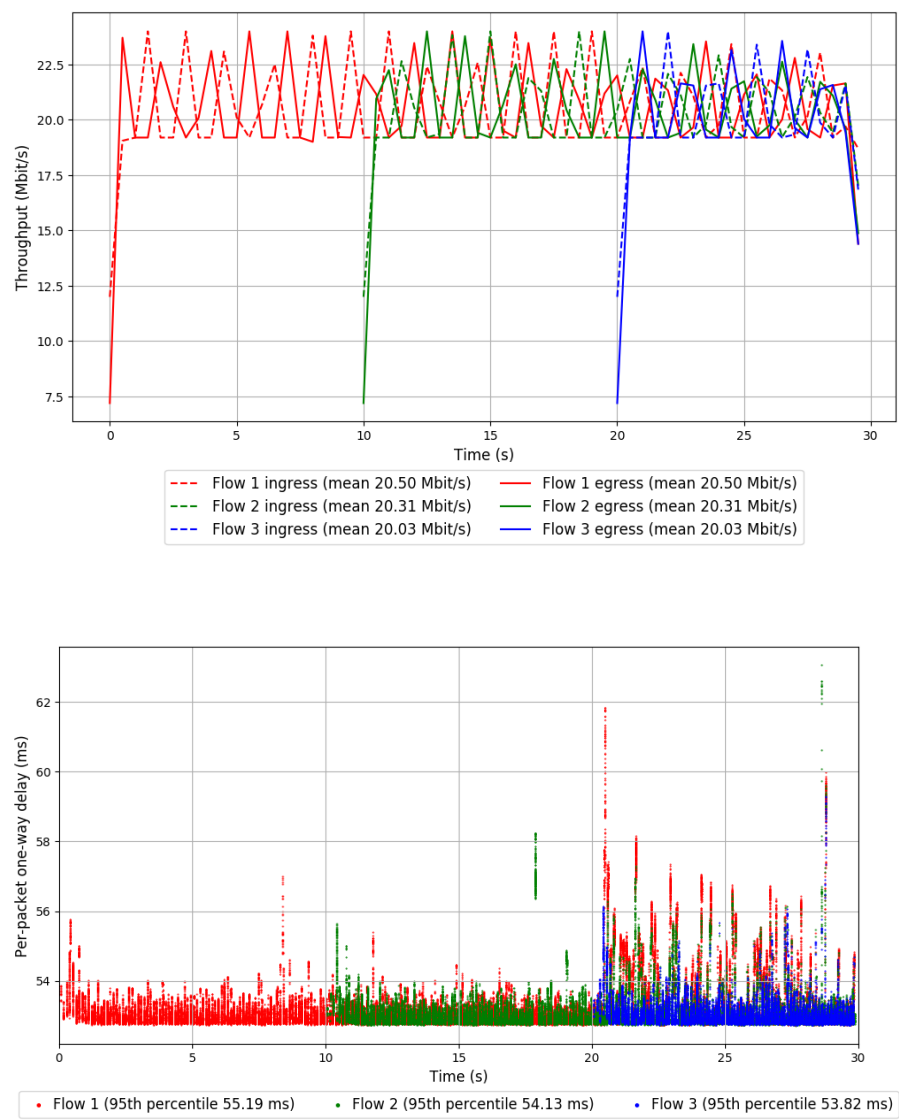
-- Flow 3:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 53.821 ms

Loss rate: 1.21%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:40:04 +0000

End at: Sun, 09 Jul 2017 23:40:34 +0000

Local clock offset: 0.508 ms

Remote clock offset: -4.896 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 53.866 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 20.05 Mbit/s

95th percentile per-packet one-way delay: 53.976 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 20.33 Mbit/s

95th percentile per-packet one-way delay: 53.467 ms

Loss rate: 0.59%

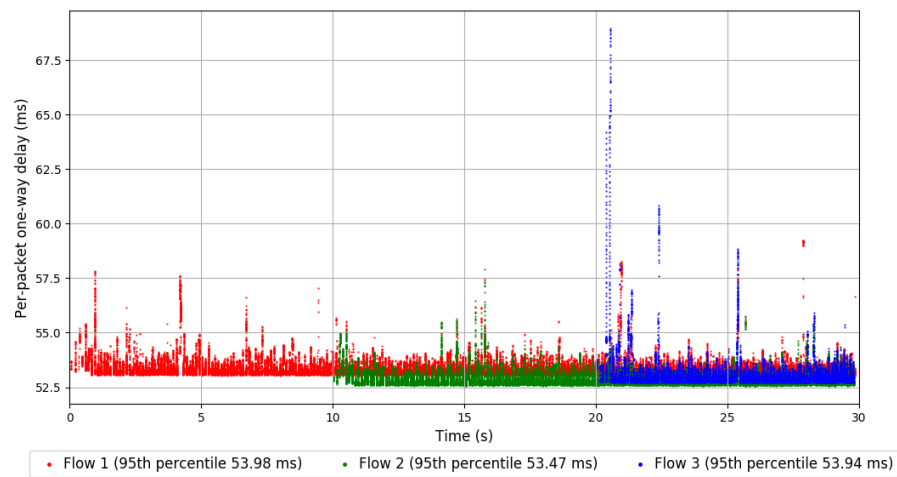
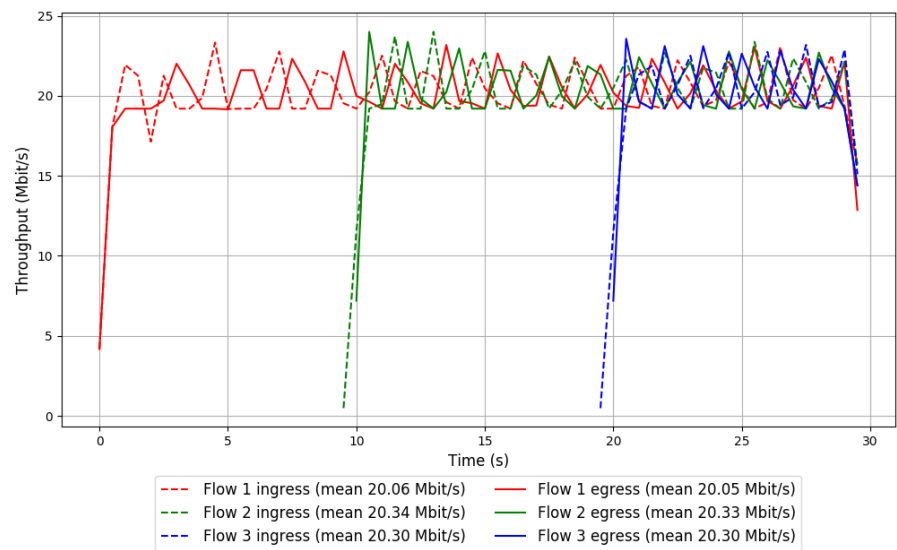
-- Flow 3:

Average throughput: 20.30 Mbit/s

95th percentile per-packet one-way delay: 53.939 ms

Loss rate: 1.20%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:58:27 +0000

End at: Sun, 09 Jul 2017 23:58:57 +0000

Local clock offset: 0.504 ms

Remote clock offset: -5.042 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 54.279 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 53.854 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 20.42 Mbit/s

95th percentile per-packet one-way delay: 54.655 ms

Loss rate: 0.64%

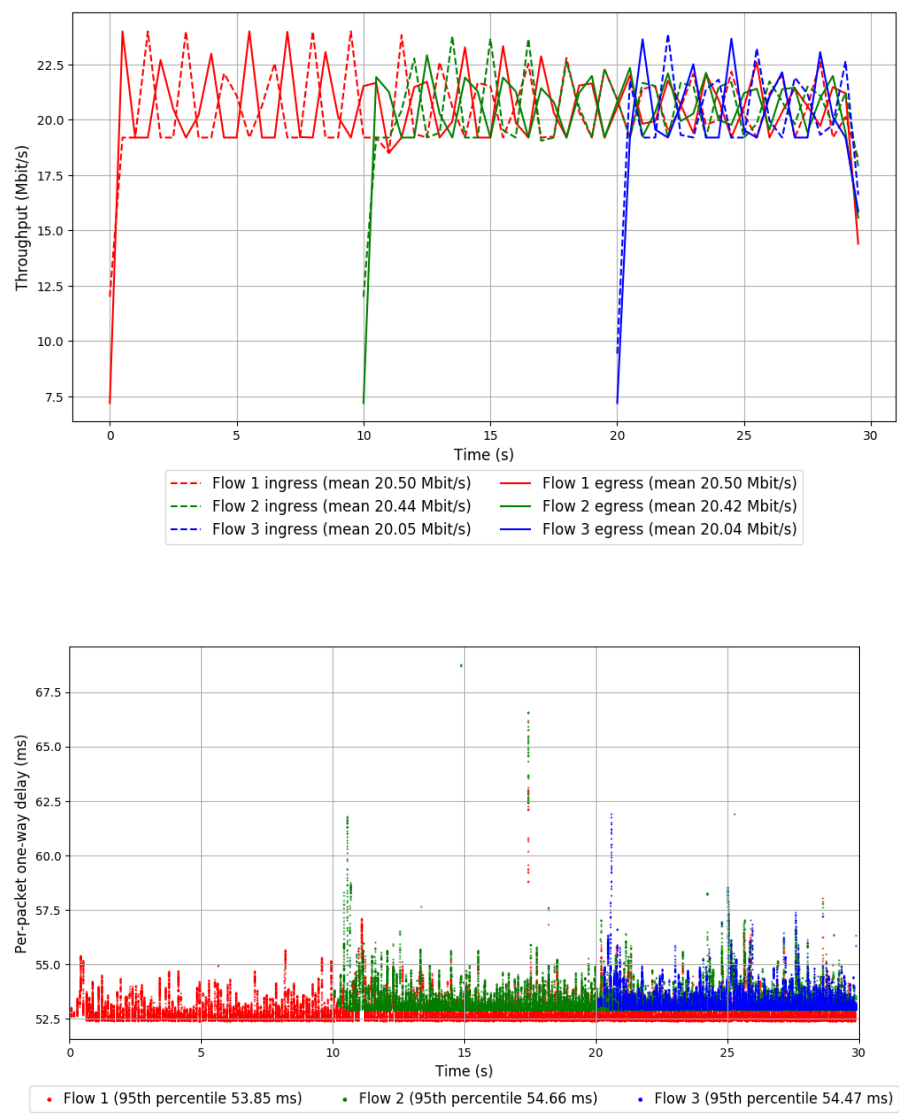
-- Flow 3:

Average throughput: 20.04 Mbit/s

95th percentile per-packet one-way delay: 54.468 ms

Loss rate: 1.20%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Mon, 10 Jul 2017 00:17:02 +0000

End at: Mon, 10 Jul 2017 00:17:32 +0000

Local clock offset: 0.465 ms

Remote clock offset: -5.299 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 54.085 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 20.40 Mbit/s

95th percentile per-packet one-way delay: 54.219 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 53.489 ms

Loss rate: 0.68%

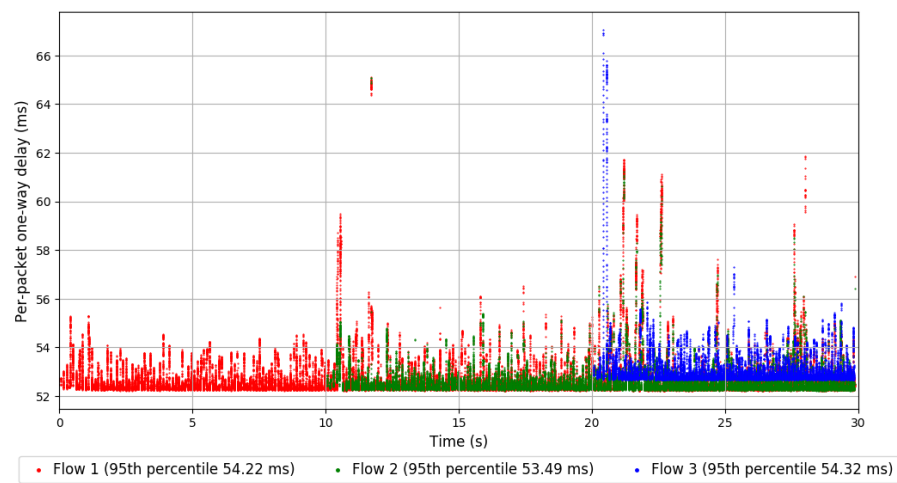
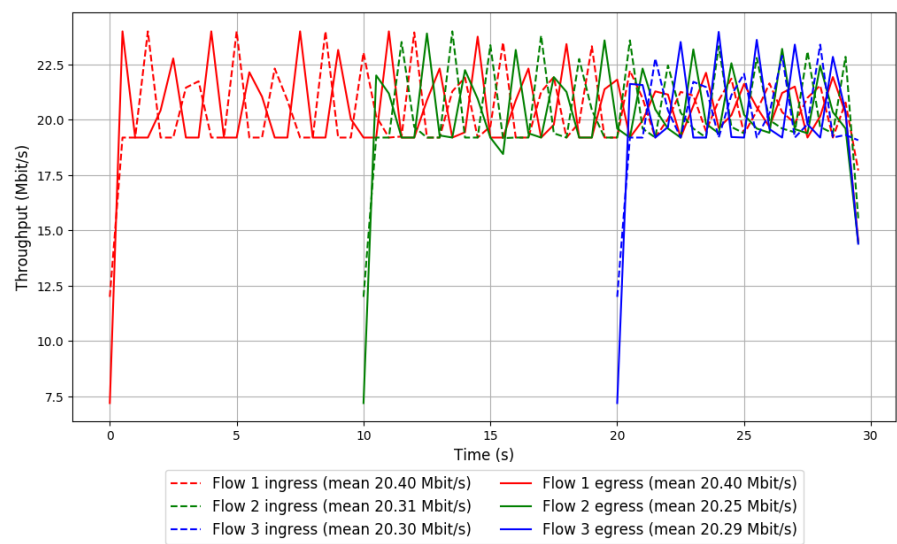
-- Flow 3:

Average throughput: 20.29 Mbit/s

95th percentile per-packet one-way delay: 54.324 ms

Loss rate: 1.20%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Mon, 10 Jul 2017 00:35:32 +0000

End at: Mon, 10 Jul 2017 00:36:02 +0000

Local clock offset: 0.505 ms

Remote clock offset: -4.926 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 53.653 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 53.437 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 20.29 Mbit/s

95th percentile per-packet one-way delay: 54.144 ms

Loss rate: 0.62%

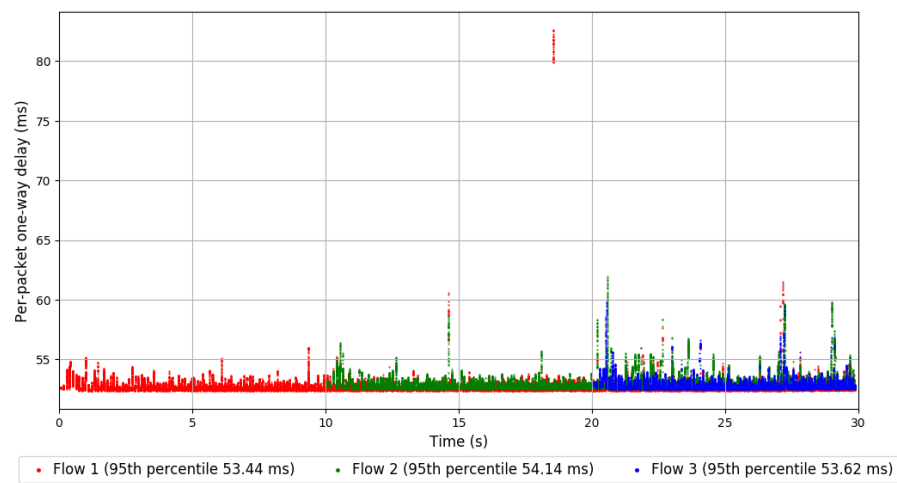
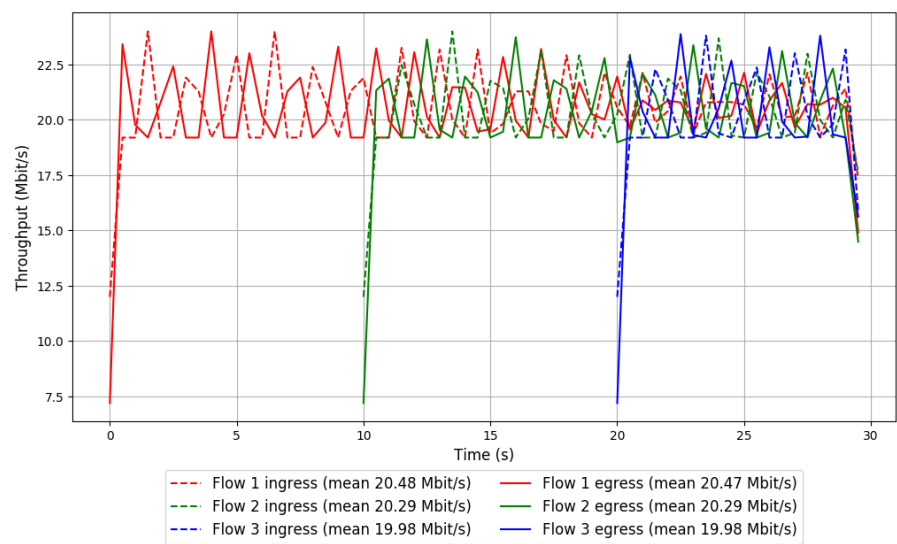
-- Flow 3:

Average throughput: 19.98 Mbit/s

95th percentile per-packet one-way delay: 53.617 ms

Loss rate: 1.21%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

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

End at: Mon, 10 Jul 2017 00:54:40 +0000

Local clock offset: 0.345 ms

Remote clock offset: -4.621 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.29 Mbit/s

95th percentile per-packet one-way delay: 54.475 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 20.33 Mbit/s

95th percentile per-packet one-way delay: 54.481 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 20.28 Mbit/s

95th percentile per-packet one-way delay: 54.593 ms

Loss rate: 0.59%

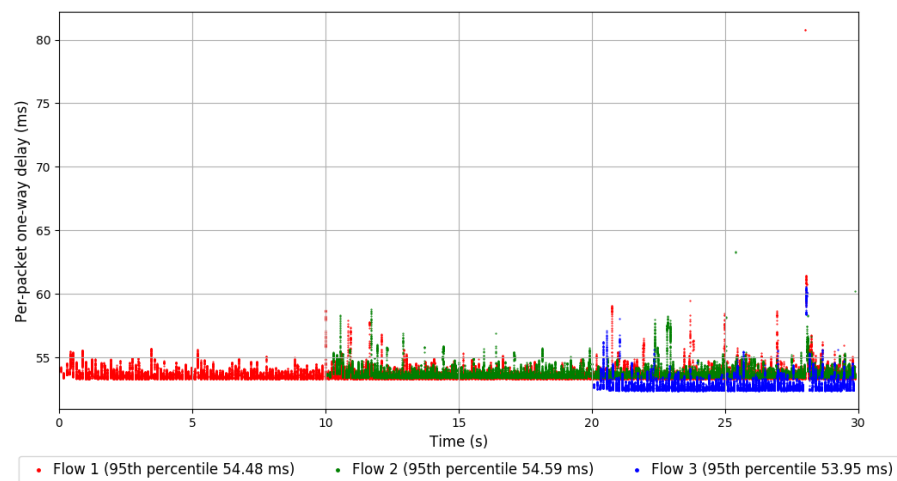
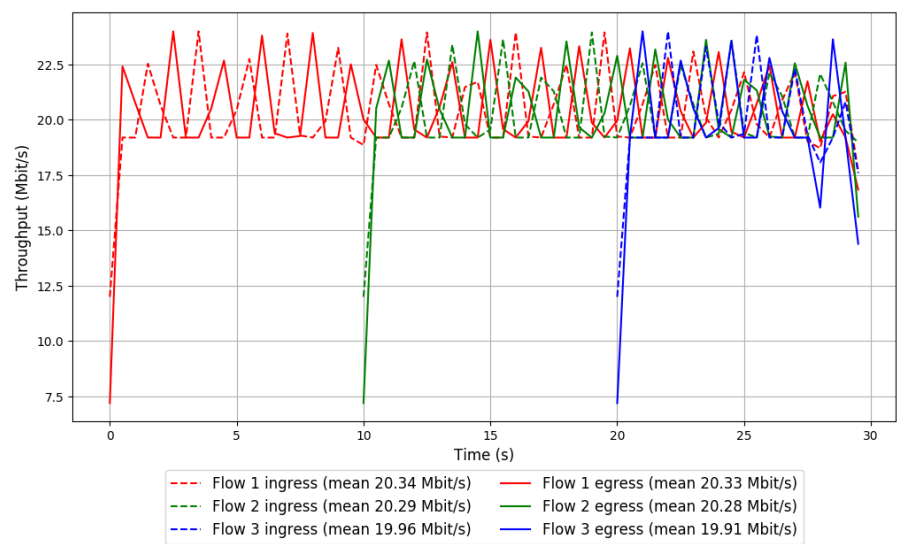
-- Flow 3:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 53.947 ms

Loss rate: 1.43%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Mon, 10 Jul 2017 01:12:45 +0000

End at: Mon, 10 Jul 2017 01:13:15 +0000

Local clock offset: 0.452 ms

Remote clock offset: -3.791 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 55.093 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 55.142 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 20.40 Mbit/s

95th percentile per-packet one-way delay: 54.491 ms

Loss rate: 0.60%

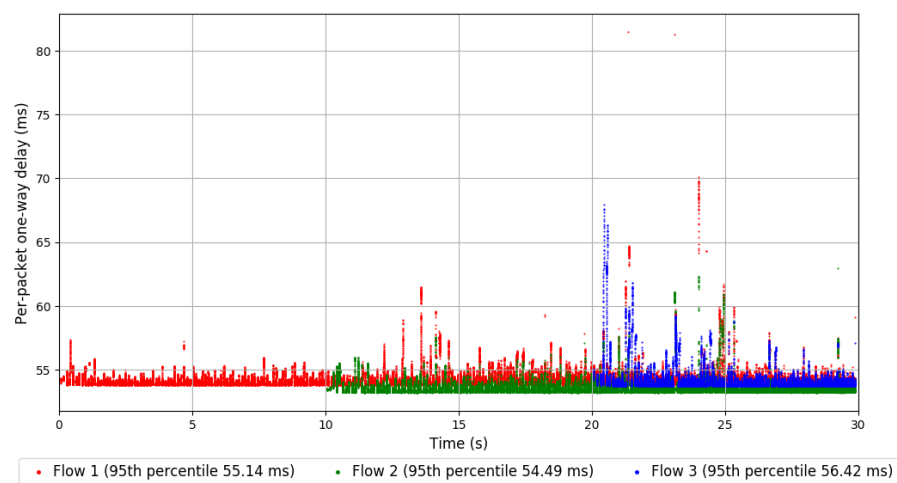
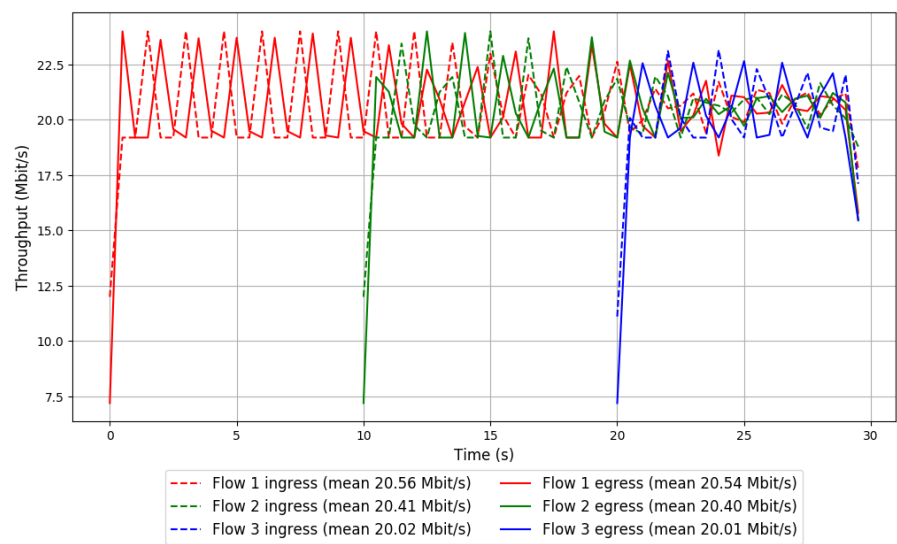
-- Flow 3:

Average throughput: 20.01 Mbit/s

95th percentile per-packet one-way delay: 56.422 ms

Loss rate: 1.20%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Mon, 10 Jul 2017 01:31:11 +0000

End at: Mon, 10 Jul 2017 01:31:41 +0000

Local clock offset: 0.41 ms

Remote clock offset: -3.086 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.98 Mbit/s

95th percentile per-packet one-way delay: 55.949 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 55.778 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 19.99 Mbit/s

95th percentile per-packet one-way delay: 56.174 ms

Loss rate: 0.76%

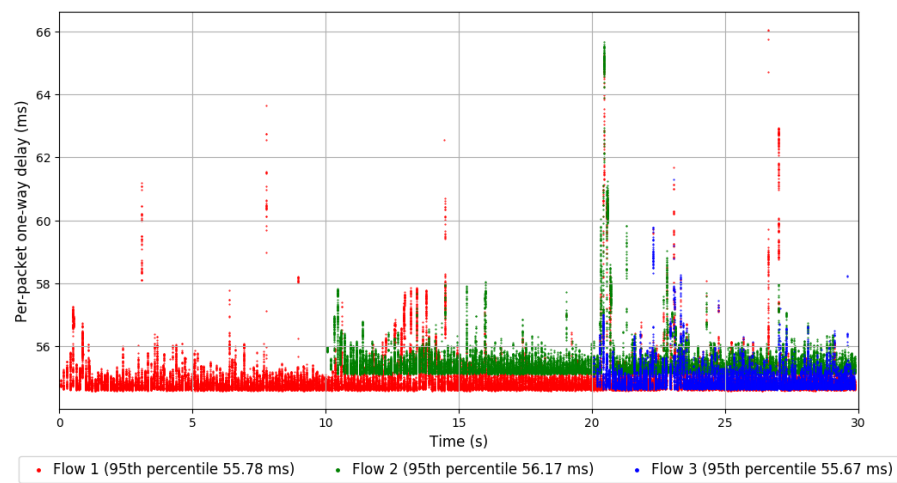
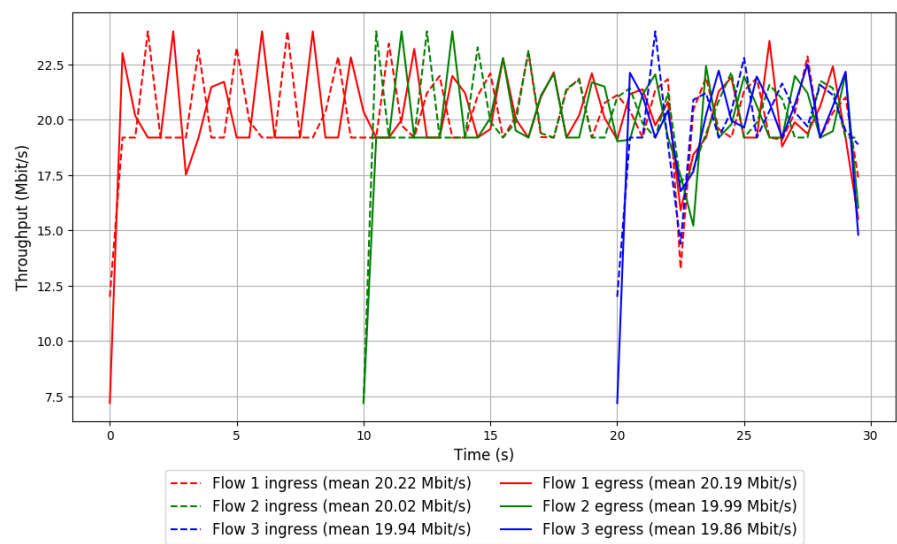
-- Flow 3:

Average throughput: 19.86 Mbit/s

95th percentile per-packet one-way delay: 55.668 ms

Loss rate: 1.56%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Mon, 10 Jul 2017 01:49:50 +0000

End at: Mon, 10 Jul 2017 01:50:20 +0000

Local clock offset: 0.388 ms

Remote clock offset: -2.865 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.43 Mbit/s

95th percentile per-packet one-way delay: 56.591 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 56.580 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 55.836 ms

Loss rate: 0.74%

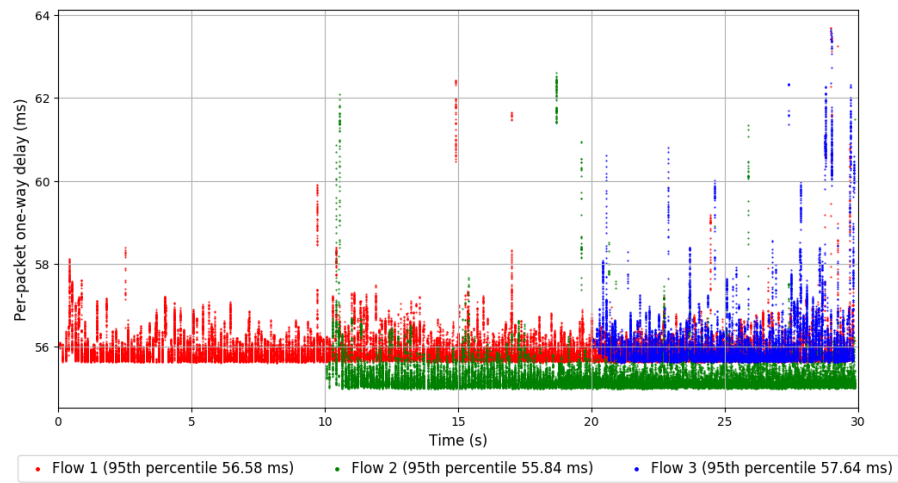
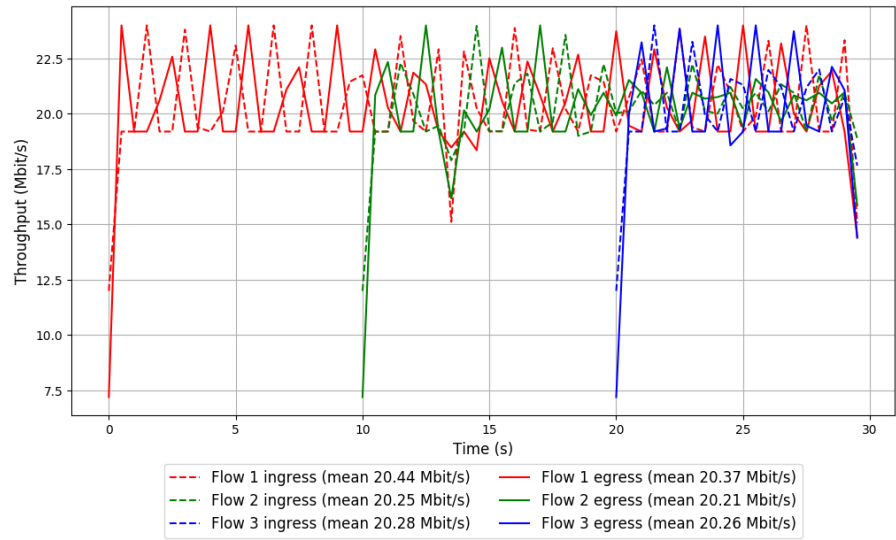
-- Flow 3:

Average throughput: 20.26 Mbit/s

95th percentile per-packet one-way delay: 57.638 ms

Loss rate: 1.28%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Mon, 10 Jul 2017 02:08:11 +0000

End at: Mon, 10 Jul 2017 02:08:41 +0000

Local clock offset: 0.384 ms

Remote clock offset: -2.562 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.84 Mbit/s

95th percentile per-packet one-way delay: 55.924 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 20.62 Mbit/s

95th percentile per-packet one-way delay: 55.975 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 20.33 Mbit/s

95th percentile per-packet one-way delay: 55.707 ms

Loss rate: 0.71%

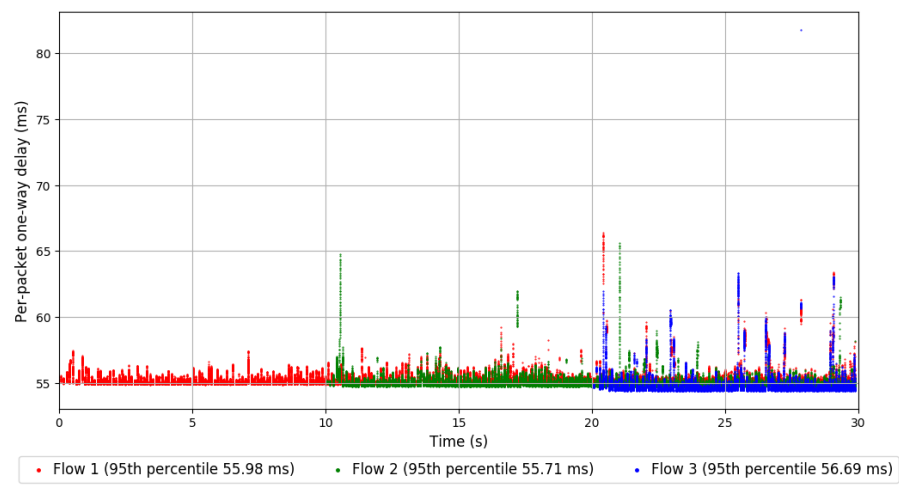
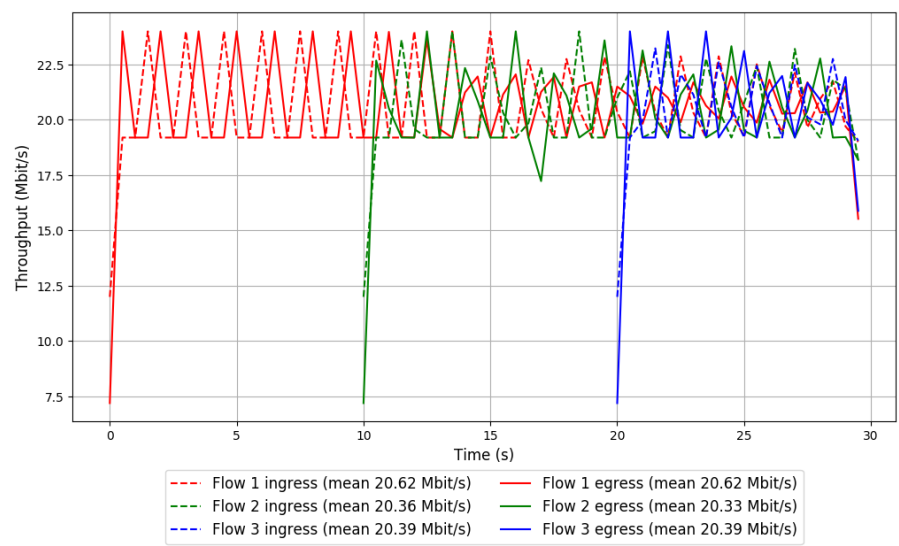
-- Flow 3:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 56.685 ms

Loss rate: 1.19%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

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

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

Local clock offset: 0.529 ms

Remote clock offset: -4.422 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.500 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.539 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.471 ms

Loss rate: 0.63%

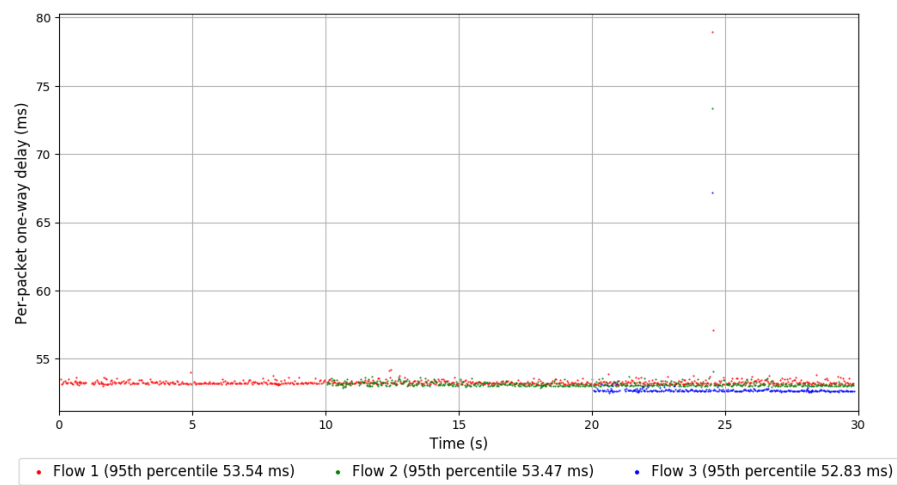
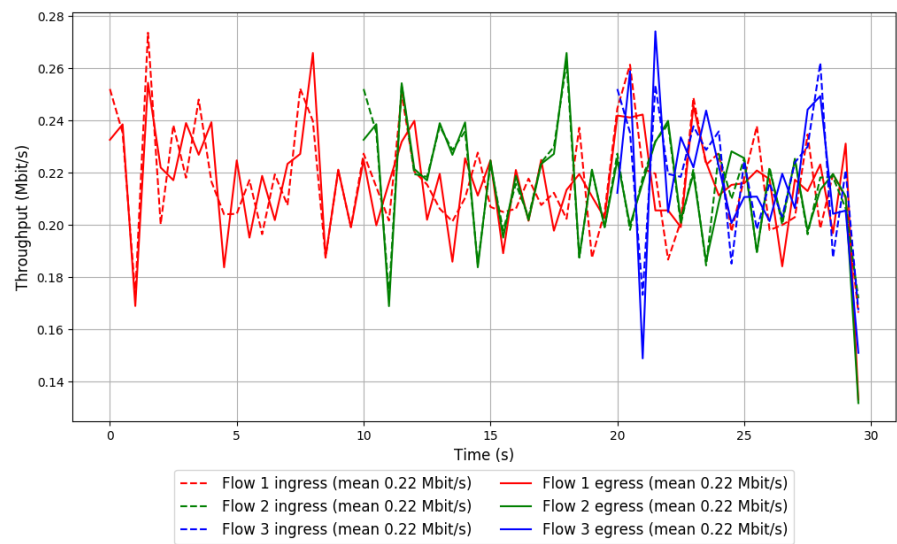
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.825 ms

Loss rate: 1.11%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: Sun, 09 Jul 2017 23:28:00 +0000

End at: Sun, 09 Jul 2017 23:28:30 +0000

Local clock offset: 0.536 ms

Remote clock offset: -4.571 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.449 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.161 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.519 ms

Loss rate: 0.63%

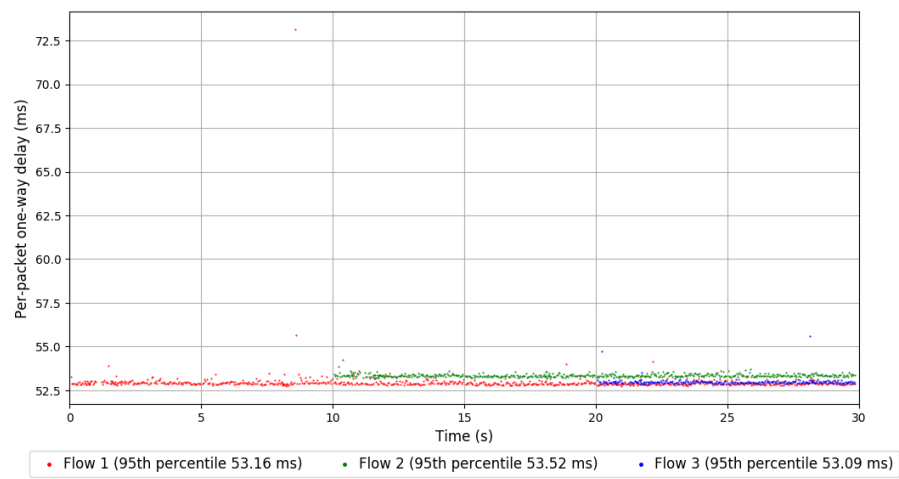
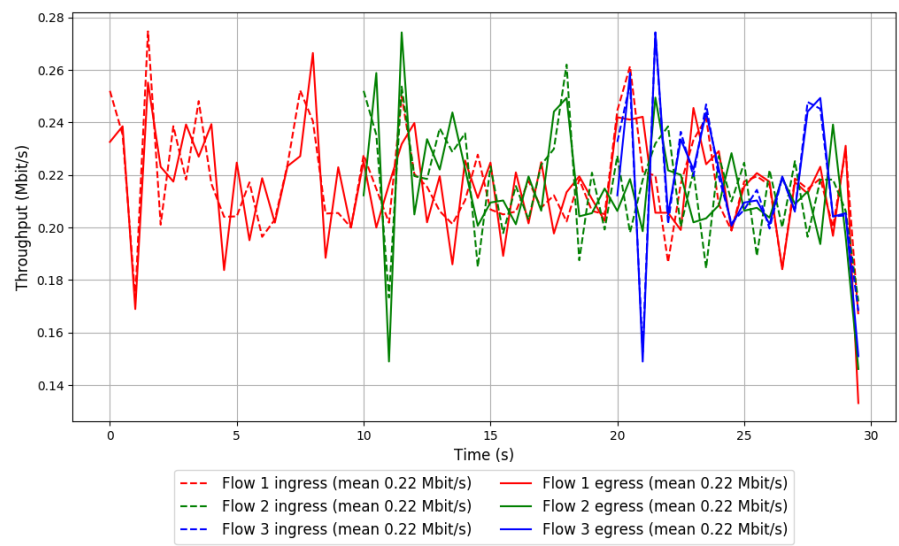
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.092 ms

Loss rate: 0.76%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 23:46:22 +0000

End at: Sun, 09 Jul 2017 23:46:52 +0000

Local clock offset: 0.507 ms

Remote clock offset: -5.233 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.267 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.014 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.434 ms

Loss rate: 0.63%

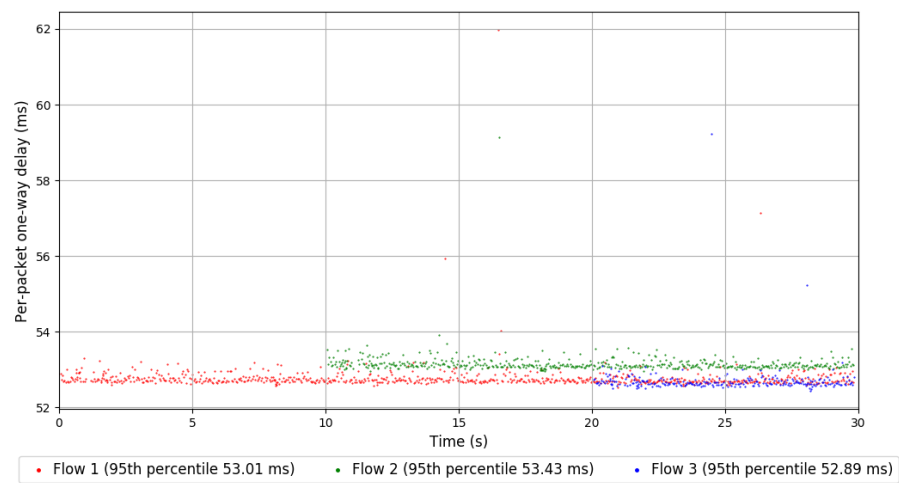
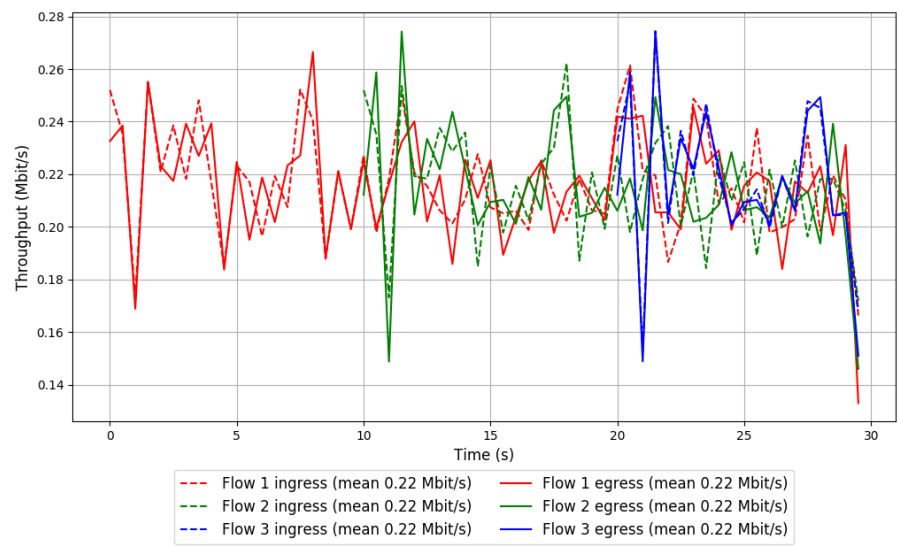
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.893 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: Mon, 10 Jul 2017 00:04:46 +0000

End at: Mon, 10 Jul 2017 00:05:17 +0000

Local clock offset: 0.511 ms

Remote clock offset: -5.249 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.190 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.889 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.334 ms

Loss rate: 0.63%

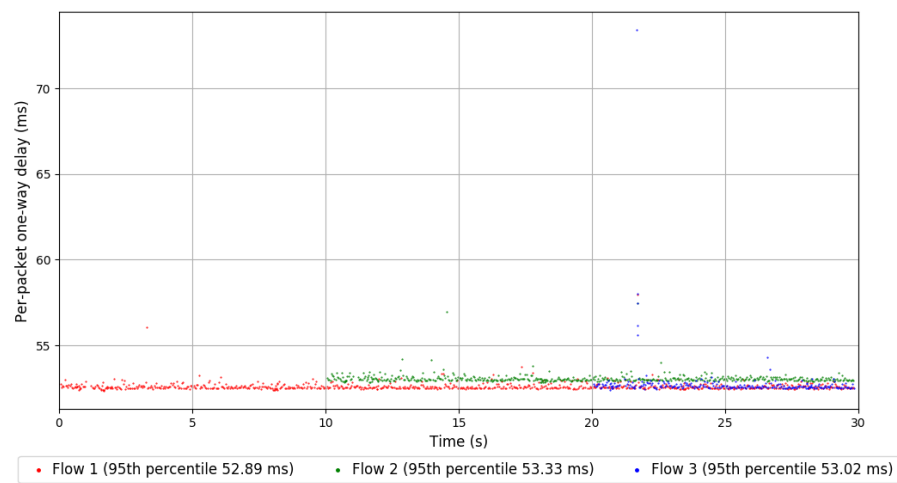
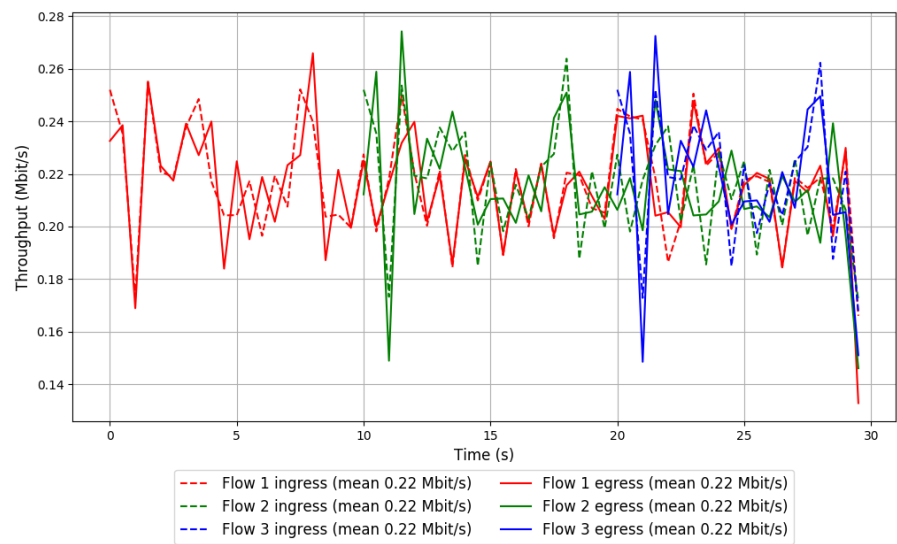
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.017 ms

Loss rate: 1.11%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: Mon, 10 Jul 2017 00:23:25 +0000

End at: Mon, 10 Jul 2017 00:23:55 +0000

Local clock offset: 0.444 ms

Remote clock offset: -5.0 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 52.636 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.155 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.732 ms

Loss rate: 0.63%

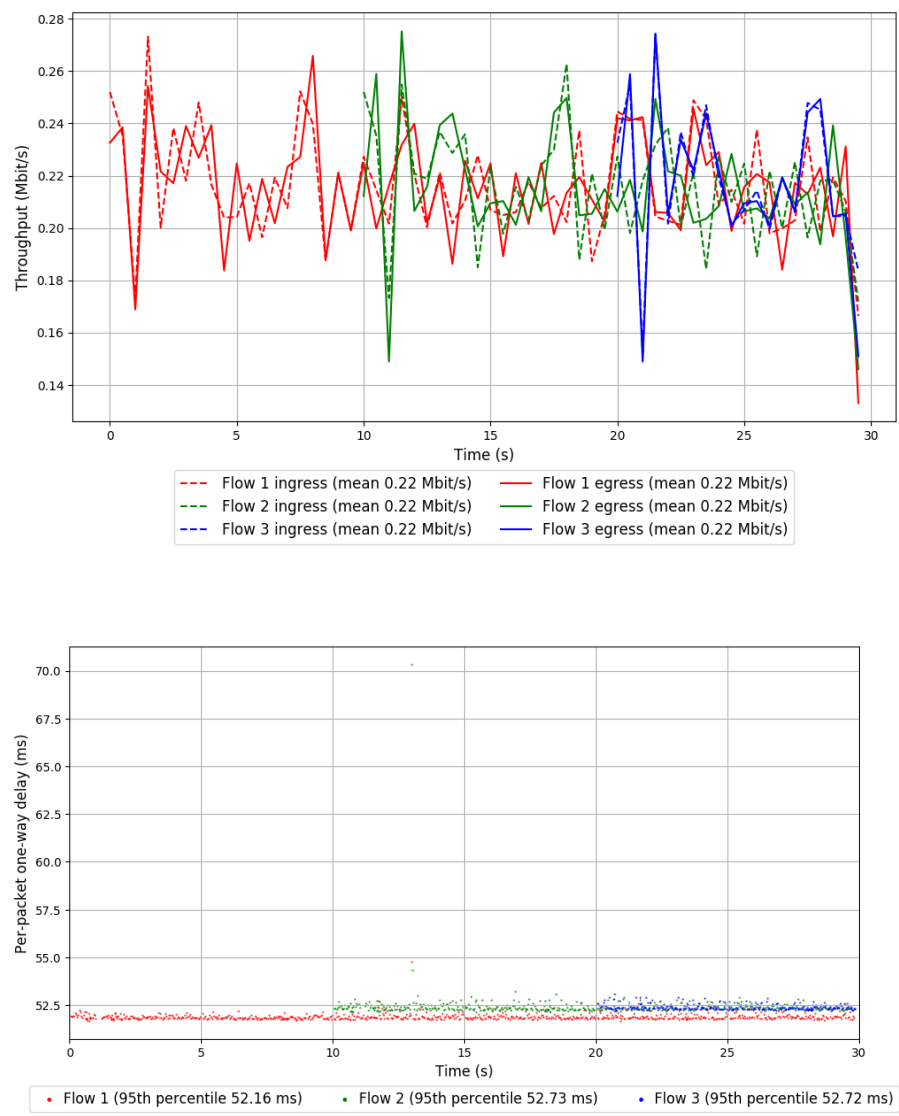
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.724 ms

Loss rate: 1.11%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SReAM

Start at: Mon, 10 Jul 2017 00:42:07 +0000

End at: Mon, 10 Jul 2017 00:42:37 +0000

Local clock offset: 0.477 ms

Remote clock offset: -4.86 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.161 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.254 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.684 ms

Loss rate: 0.63%

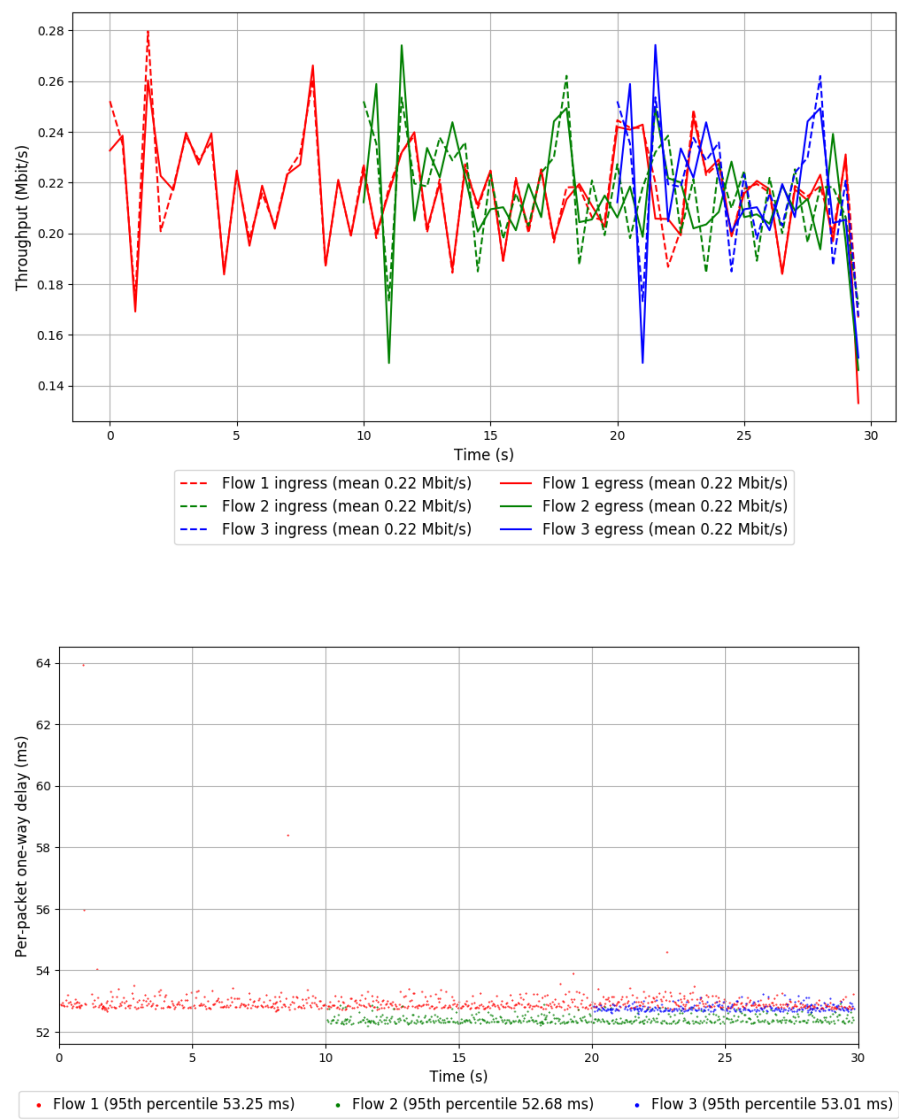
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.007 ms

Loss rate: 1.11%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: Mon, 10 Jul 2017 01:00:27 +0000

End at: Mon, 10 Jul 2017 01:00:57 +0000

Local clock offset: 0.433 ms

Remote clock offset: -4.289 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.815 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.654 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.931 ms

Loss rate: 0.63%

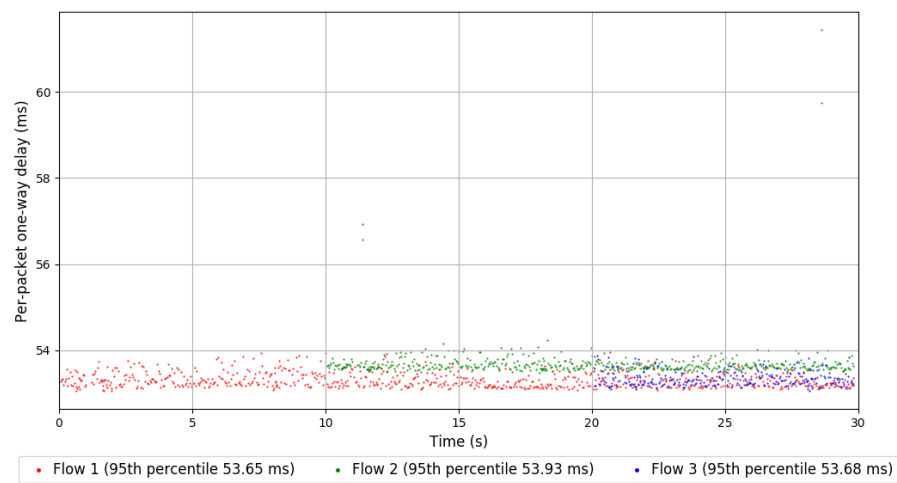
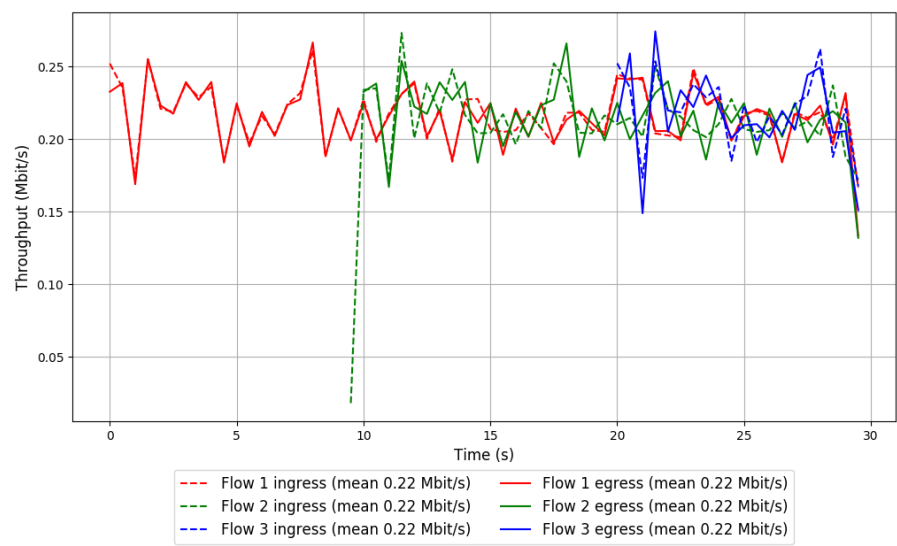
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 1.11%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Mon, 10 Jul 2017 01:19:08 +0000

End at: Mon, 10 Jul 2017 01:19:38 +0000

Local clock offset: 0.367 ms

Remote clock offset: -3.834 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.481 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.522 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.482 ms

Loss rate: 0.63%

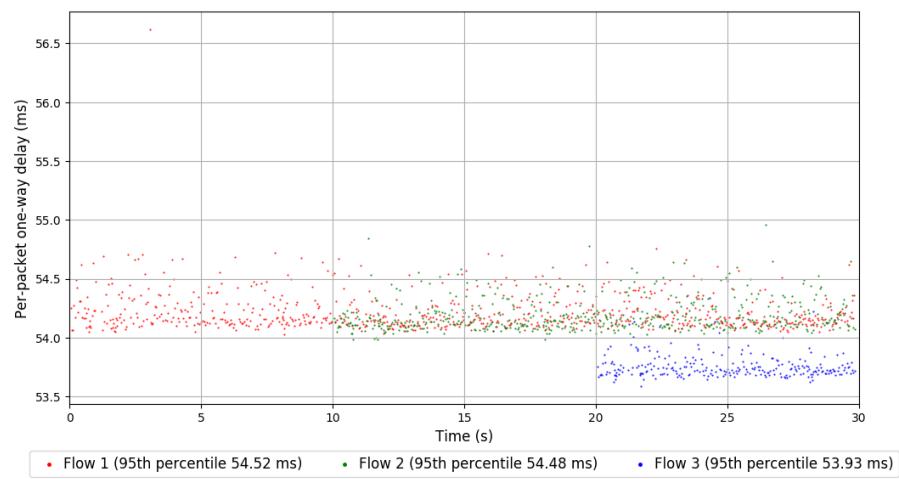
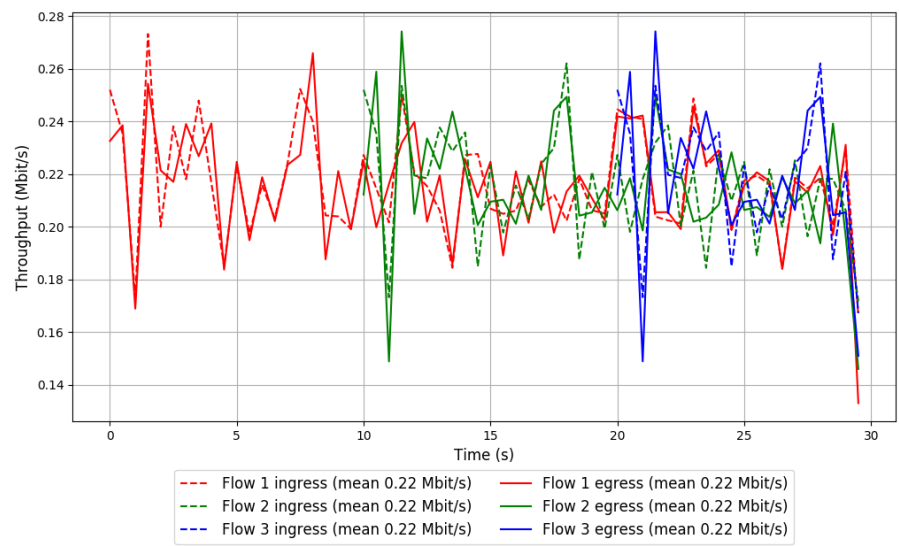
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.929 ms

Loss rate: 1.10%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: Mon, 10 Jul 2017 01:37:41 +0000

End at: Mon, 10 Jul 2017 01:38:11 +0000

Local clock offset: 0.388 ms

Remote clock offset: -2.84 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 55.651 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.749 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 55.735 ms

Loss rate: 0.63%

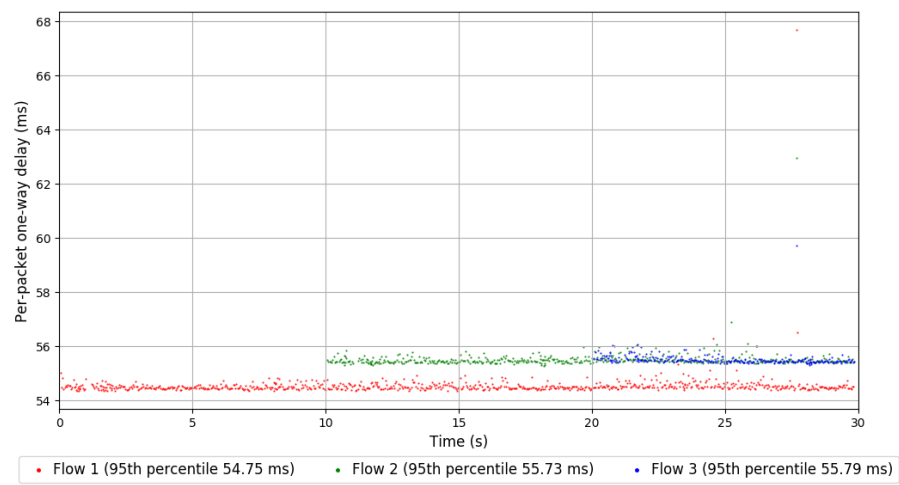
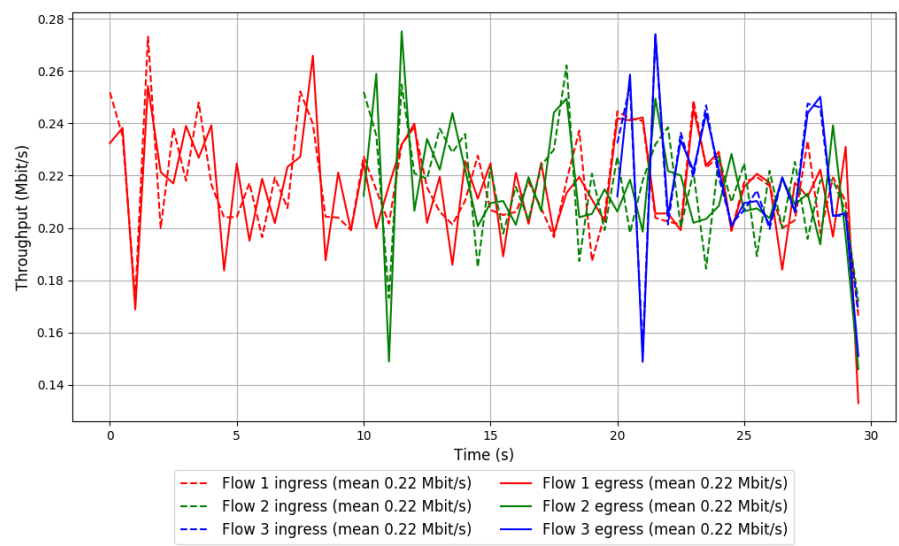
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 55.792 ms

Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Mon, 10 Jul 2017 01:56:06 +0000

End at: Mon, 10 Jul 2017 01:56:36 +0000

Local clock offset: 0.383 ms

Remote clock offset: -2.245 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 56.023 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 55.538 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.112 ms

Loss rate: 0.63%

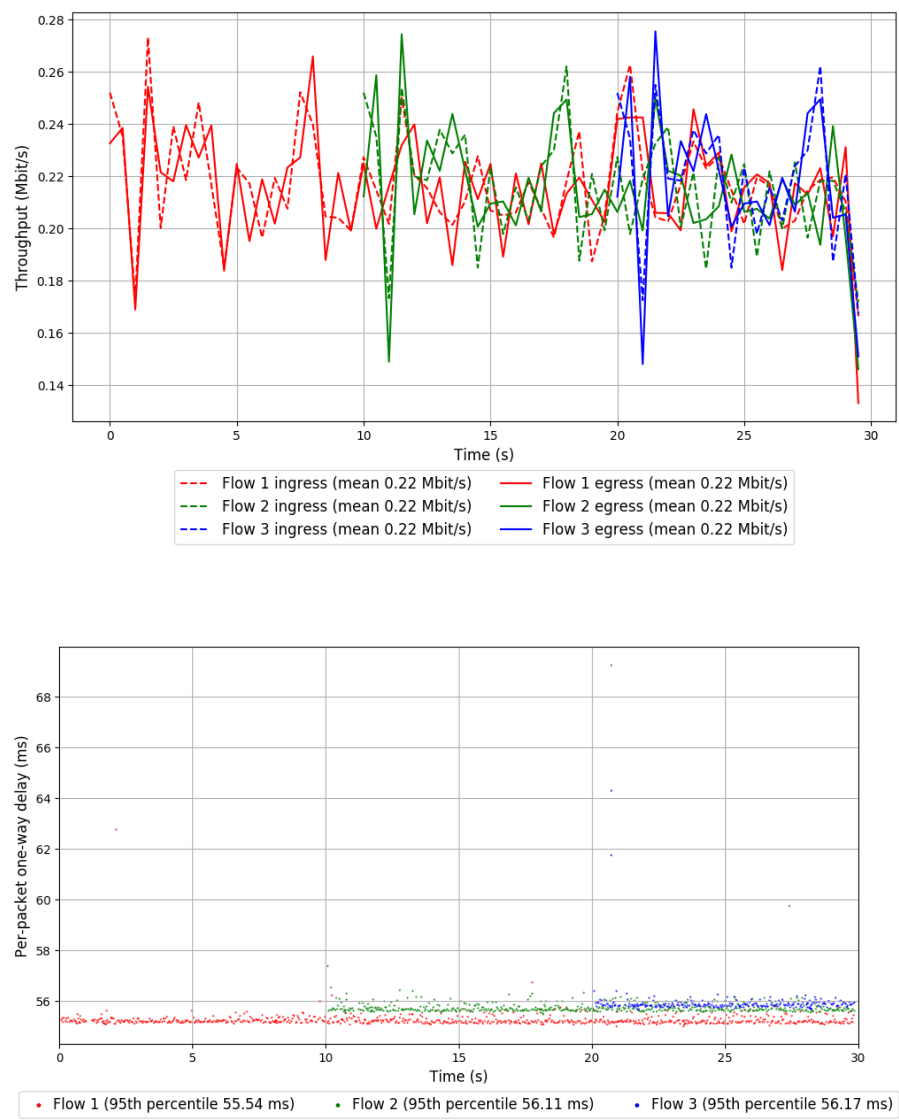
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.172 ms

Loss rate: 1.11%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:18:59 +0000

End at: Sun, 09 Jul 2017 23:19:29 +0000

Local clock offset: 0.492 ms

Remote clock offset: -4.881 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 54.158 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 53.535 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 54.418 ms

Loss rate: 0.79%

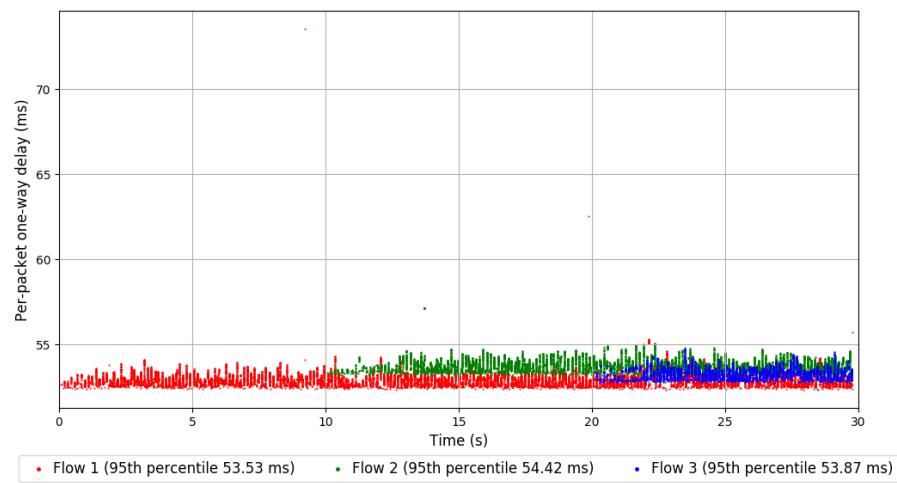
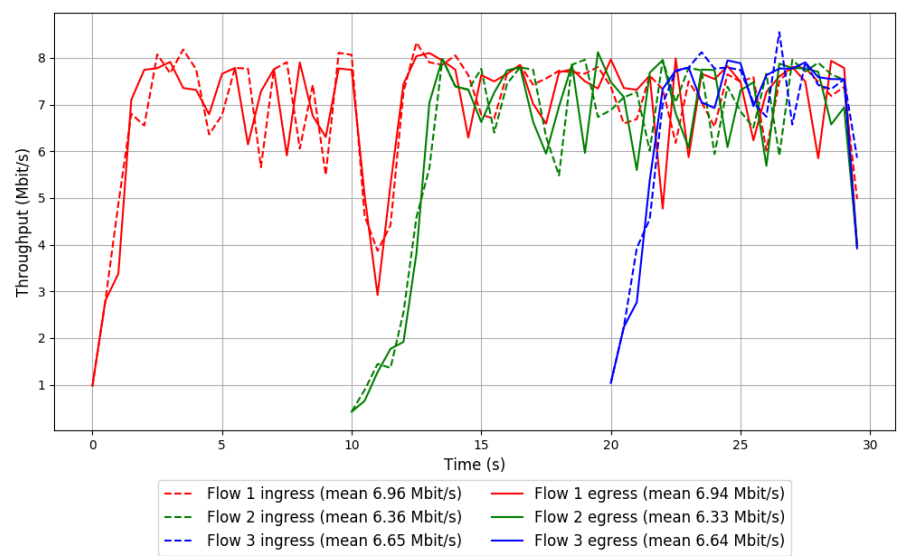
-- Flow 3:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 53.867 ms

Loss rate: 1.49%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:37:44 +0000

End at: Sun, 09 Jul 2017 23:38:14 +0000

Local clock offset: 0.508 ms

Remote clock offset: -4.806 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.84 Mbit/s

95th percentile per-packet one-way delay: 54.056 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 53.305 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 53.834 ms

Loss rate: 1.04%

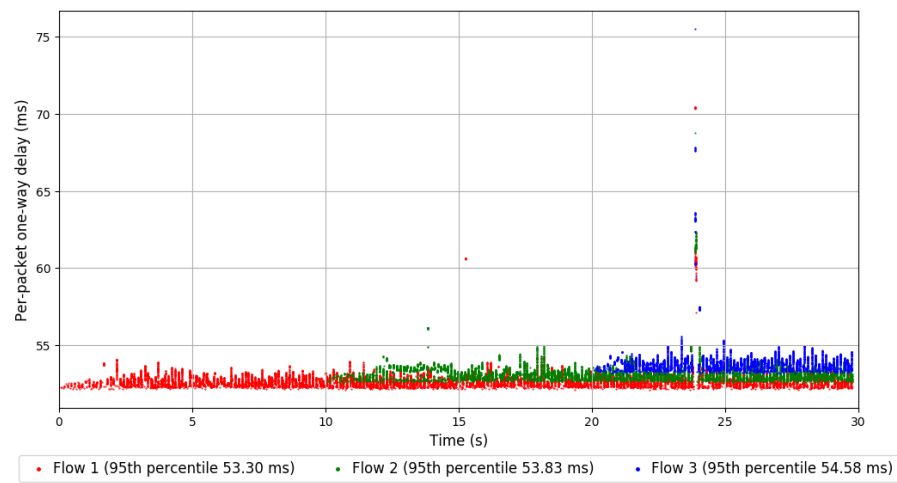
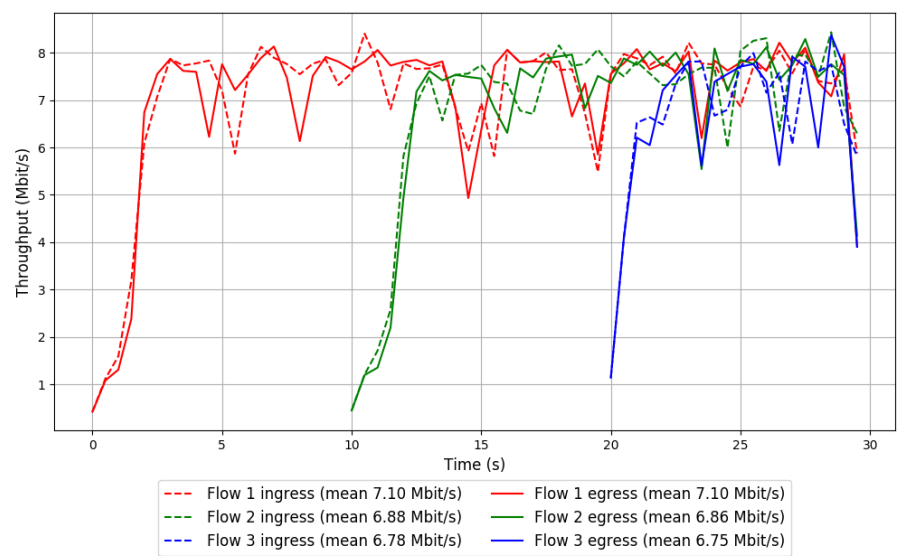
-- Flow 3:

Average throughput: 6.75 Mbit/s

95th percentile per-packet one-way delay: 54.575 ms

Loss rate: 1.98%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 23:56:06 +0000

End at: Sun, 09 Jul 2017 23:56:36 +0000

Local clock offset: 0.486 ms

Remote clock offset: -5.251 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 53.621 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 53.654 ms

Loss rate: 0.85%

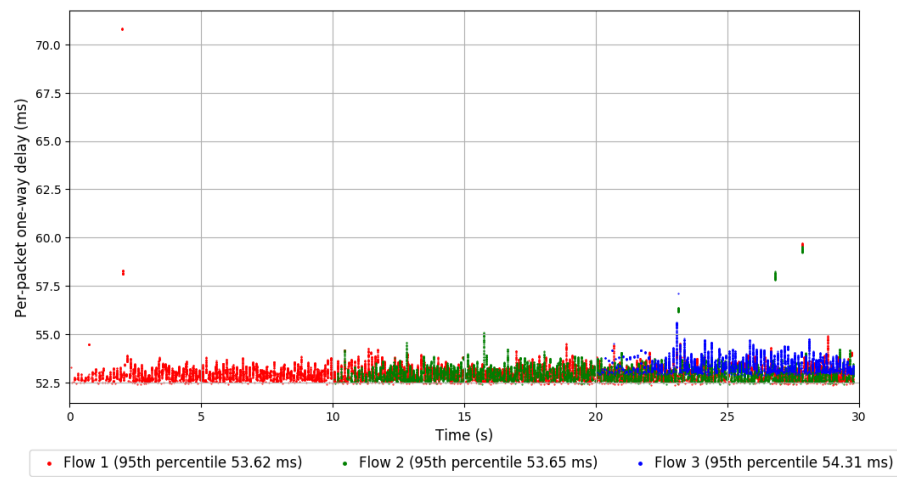
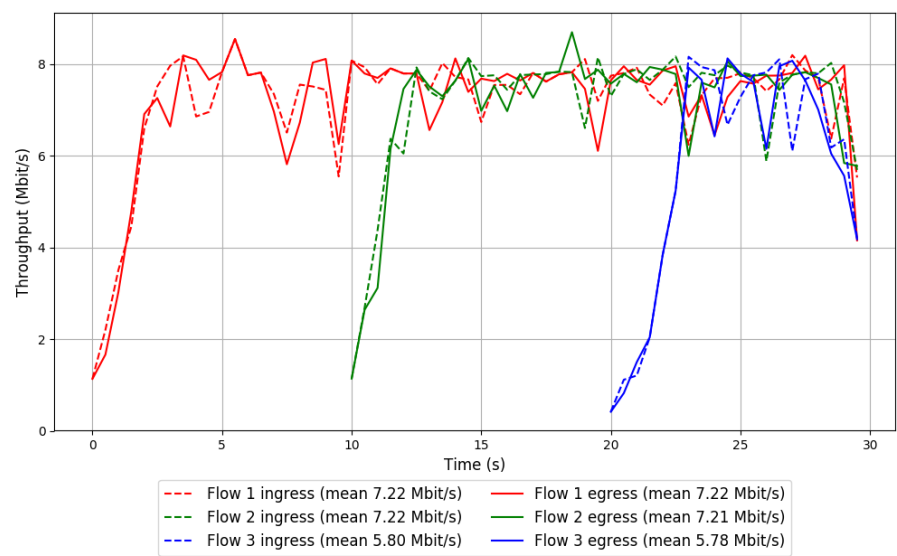
-- Flow 3:

Average throughput: 5.78 Mbit/s

95th percentile per-packet one-way delay: 54.310 ms

Loss rate: 1.54%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Mon, 10 Jul 2017 00:14:42 +0000

End at: Mon, 10 Jul 2017 00:15:12 +0000

Local clock offset: 0.551 ms

Remote clock offset: -5.194 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 53.957 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 54.048 ms

Loss rate: 0.59%

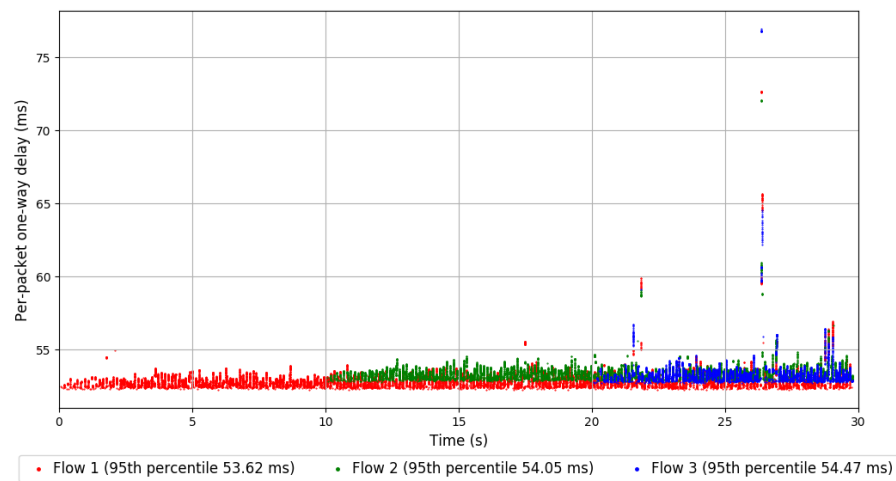
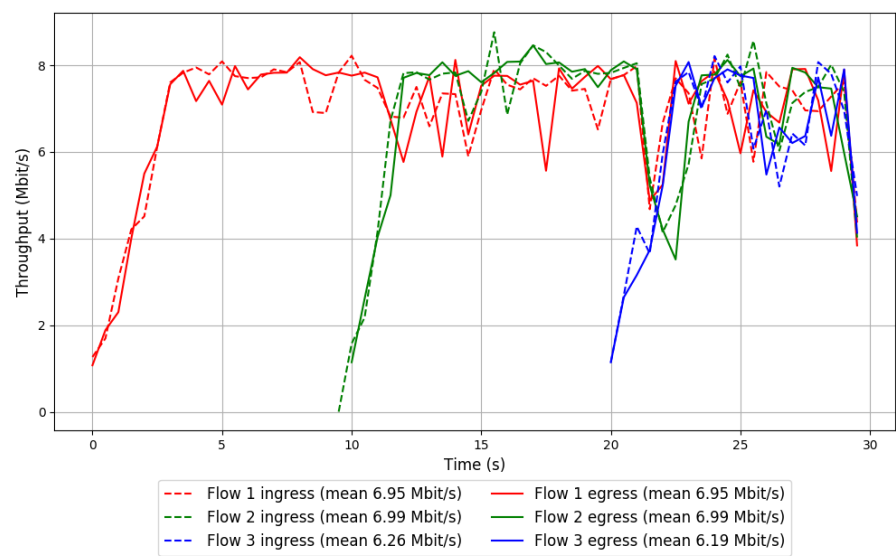
-- Flow 3:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 54.472 ms

Loss rate: 1.82%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Mon, 10 Jul 2017 00:33:12 +0000

End at: Mon, 10 Jul 2017 00:33:42 +0000

Local clock offset: 0.446 ms

Remote clock offset: -4.969 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 53.853 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 53.548 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 54.107 ms

Loss rate: 0.72%

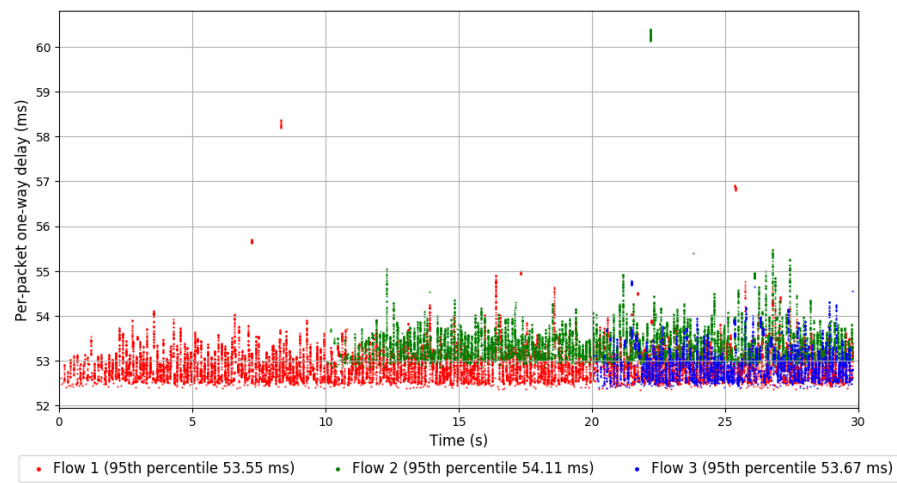
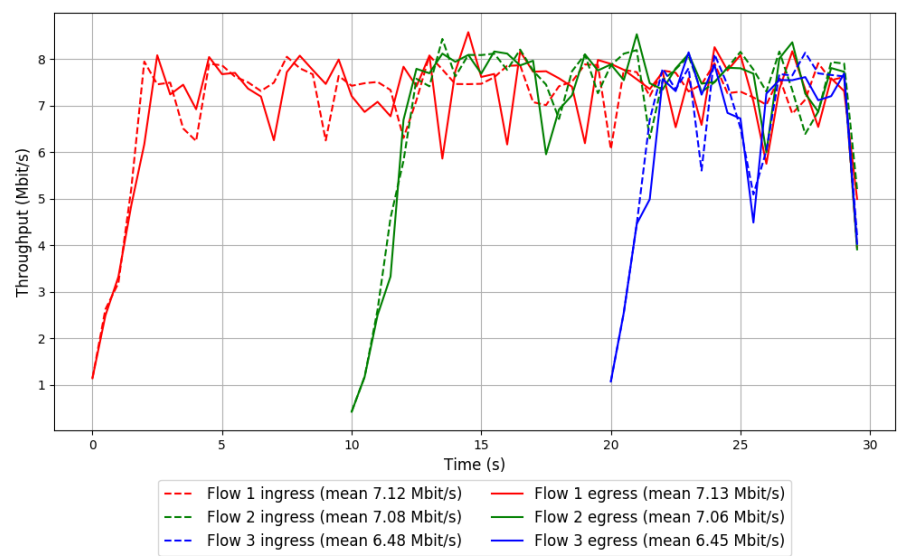
-- Flow 3:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 53.671 ms

Loss rate: 1.49%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Mon, 10 Jul 2017 00:51:48 +0000

End at: Mon, 10 Jul 2017 00:52:18 +0000

Local clock offset: 0.432 ms

Remote clock offset: -4.42 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 54.551 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 53.577 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 54.944 ms

Loss rate: 0.92%

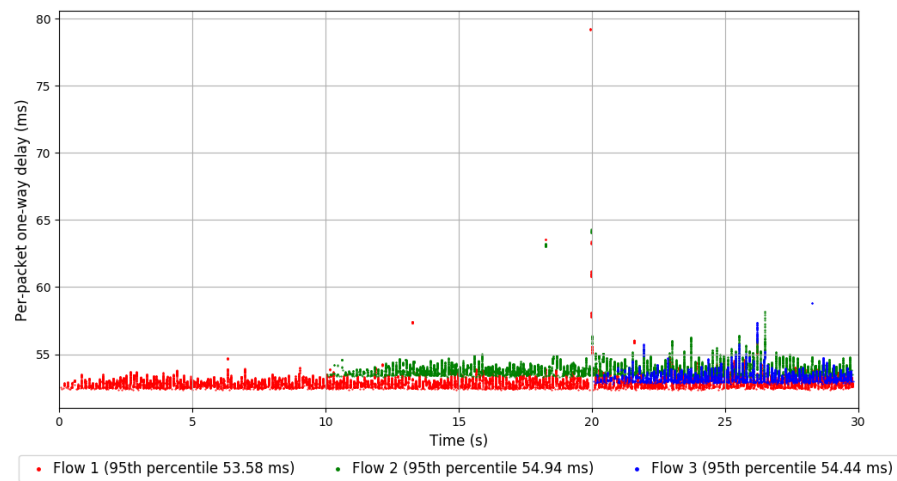
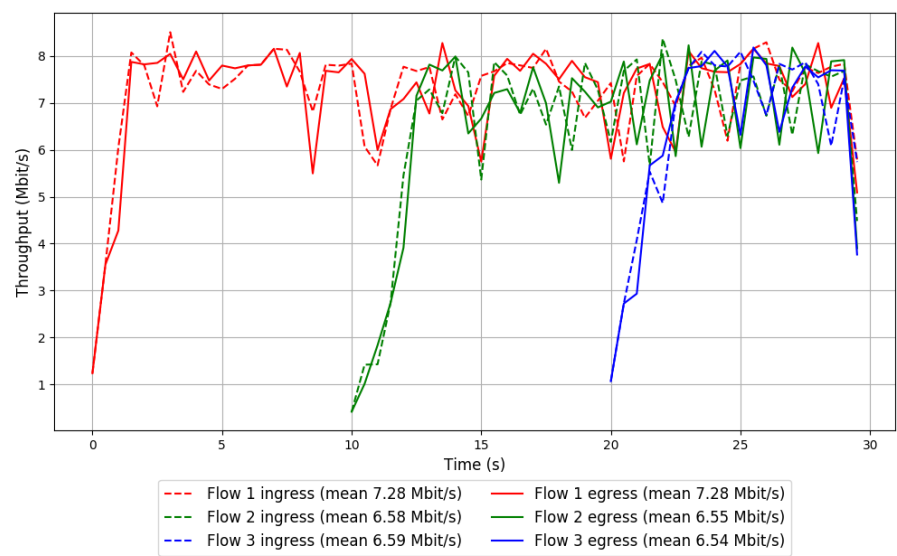
-- Flow 3:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 54.436 ms

Loss rate: 1.53%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

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

End at: Mon, 10 Jul 2017 01:10:56 +0000

Local clock offset: 0.413 ms

Remote clock offset: -4.207 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.42 Mbit/s

95th percentile per-packet one-way delay: 54.672 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 54.632 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 54.753 ms

Loss rate: 0.78%

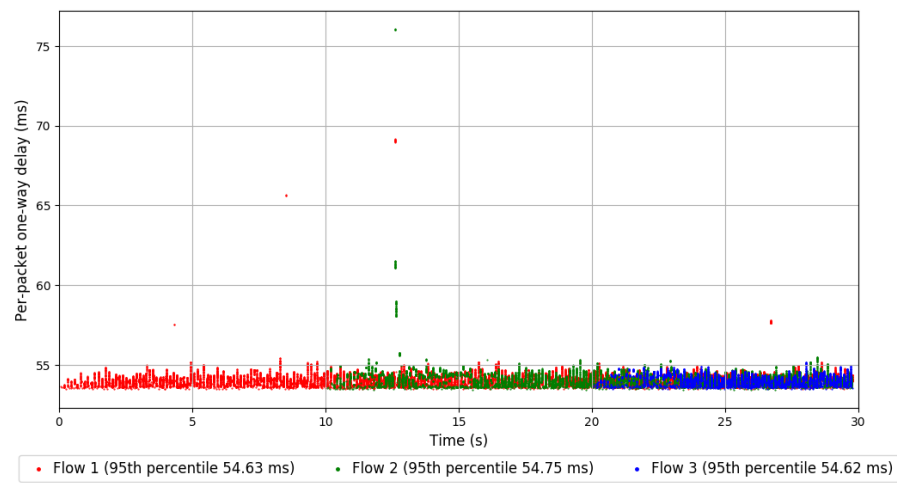
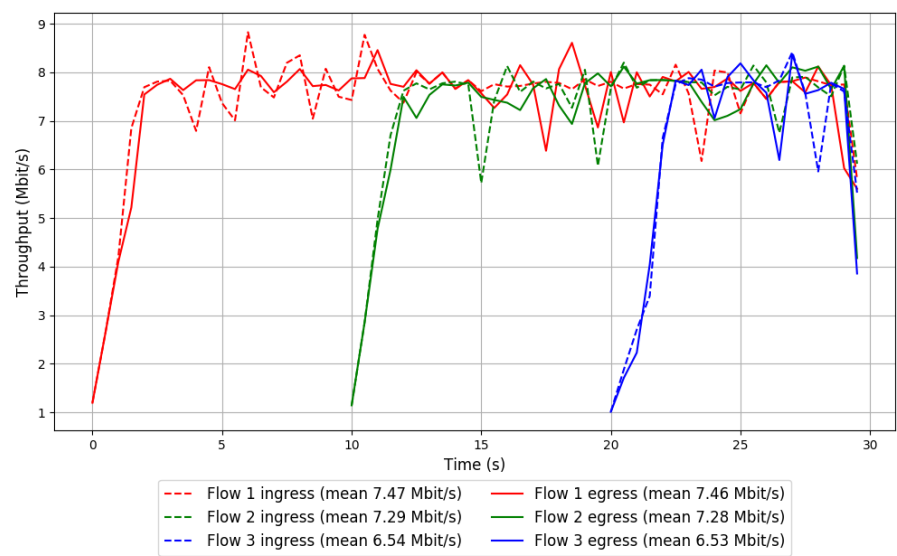
-- Flow 3:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 54.618 ms

Loss rate: 1.43%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

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

End at: Mon, 10 Jul 2017 01:29:21 +0000

Local clock offset: 0.304 ms

Remote clock offset: -3.182 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.76 Mbit/s

95th percentile per-packet one-way delay: 55.994 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 55.706 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 55.716 ms

Loss rate: 0.77%

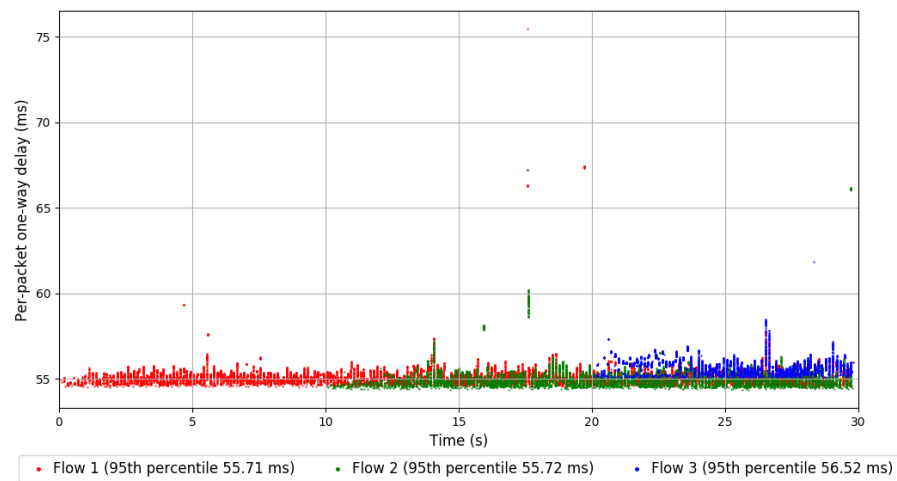
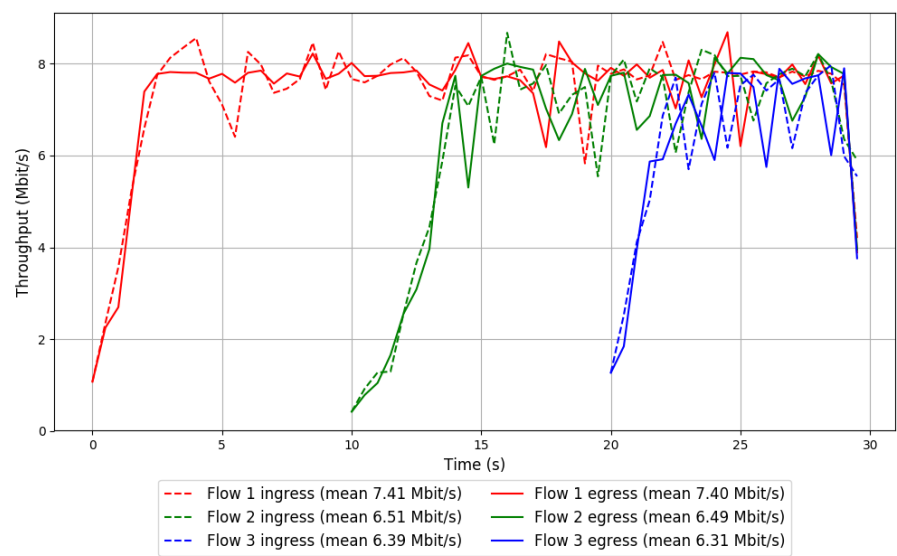
-- Flow 3:

Average throughput: 6.31 Mbit/s

95th percentile per-packet one-way delay: 56.523 ms

Loss rate: 2.10%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Mon, 10 Jul 2017 01:47:30 +0000

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

Local clock offset: 0.393 ms

Remote clock offset: -2.294 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 56.337 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 56.471 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 55.479 ms

Loss rate: 0.61%

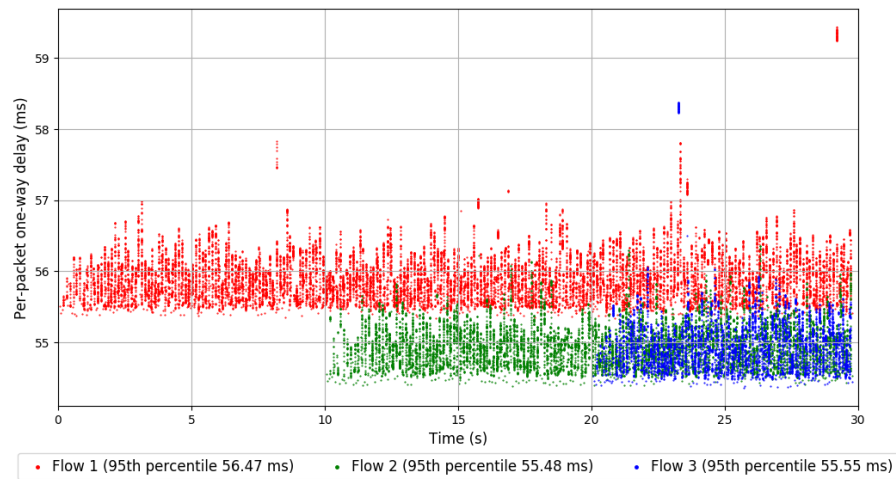
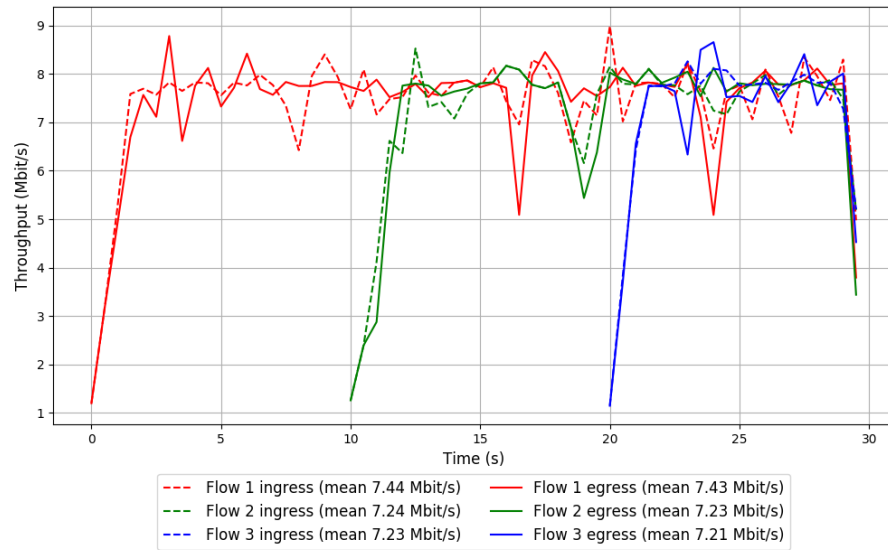
-- Flow 3:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 55.548 ms

Loss rate: 1.46%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

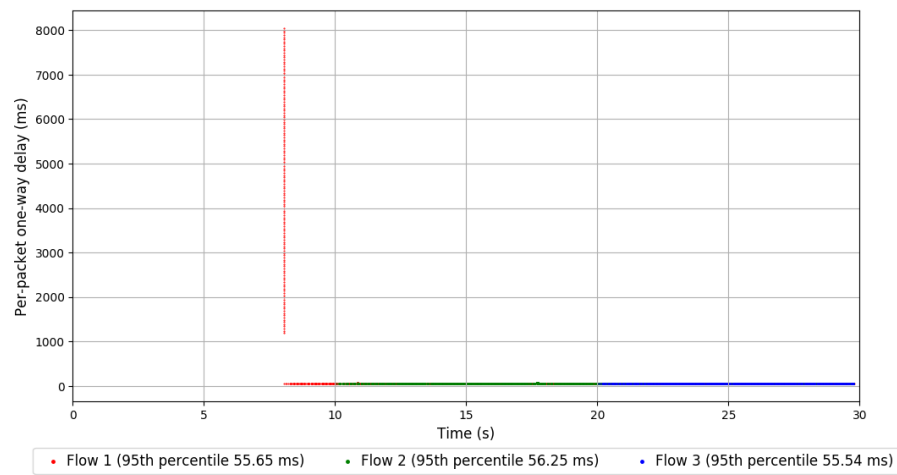
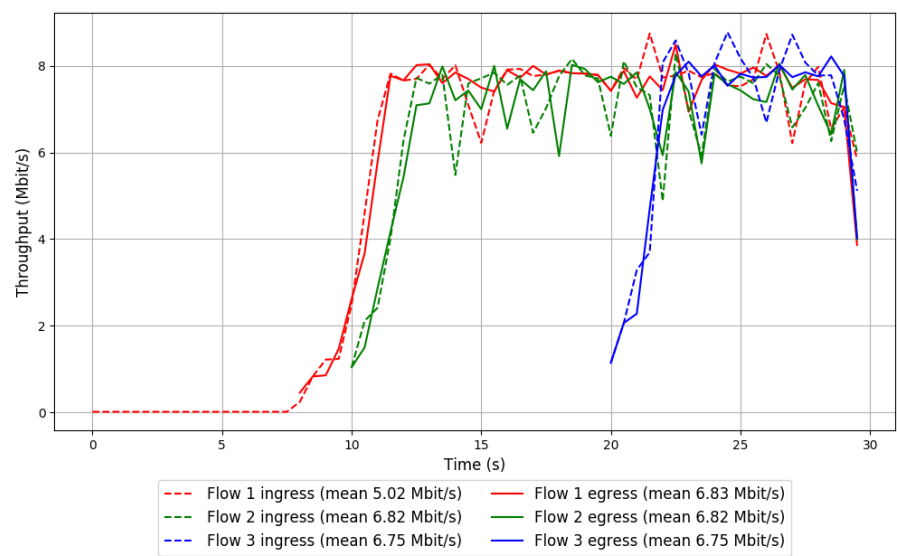
Start at: Mon, 10 Jul 2017 02:05:51 +0000

End at: Mon, 10 Jul 2017 02:06:21 +0000

Local clock offset: 0.438 ms

Remote clock offset: -2.727 ms

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:24:05 +0000

End at: Sun, 09 Jul 2017 23:24:35 +0000

Local clock offset: 0.526 ms

Remote clock offset: -4.611 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.55 Mbit/s

95th percentile per-packet one-way delay: 70.258 ms

Loss rate: 15.22%

-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 69.777 ms

Loss rate: 14.65%

-- Flow 2:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 71.822 ms

Loss rate: 16.35%

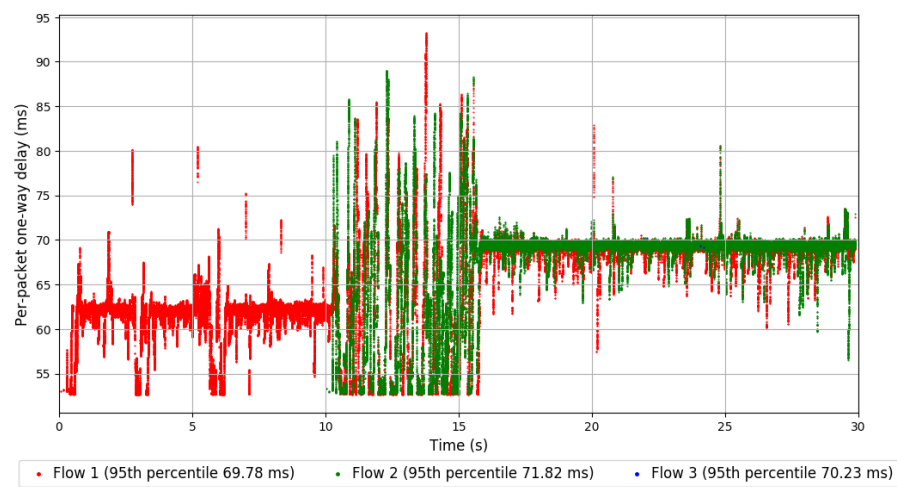
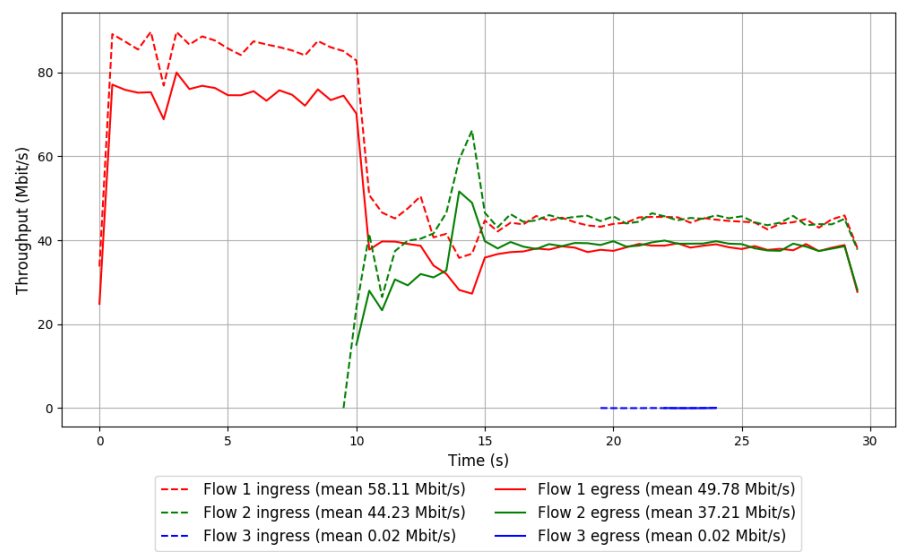
-- Flow 3:

Average throughput: 0.02 Mbit/s

95th percentile per-packet one-way delay: 70.228 ms

Loss rate: 43.06%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 23:42:36 +0000

End at: Sun, 09 Jul 2017 23:43:06 +0000

Local clock offset: 0.396 ms

Remote clock offset: -5.08 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 68.678 ms

Loss rate: 16.26%

-- Flow 1:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 68.617 ms

Loss rate: 16.11%

-- Flow 2:

Average throughput: 5.85 Mbit/s

95th percentile per-packet one-way delay: 69.628 ms

Loss rate: 18.52%

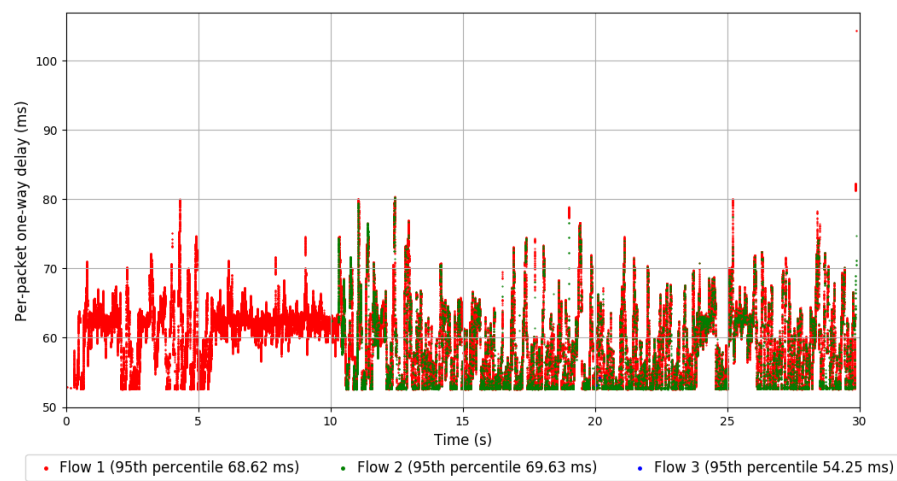
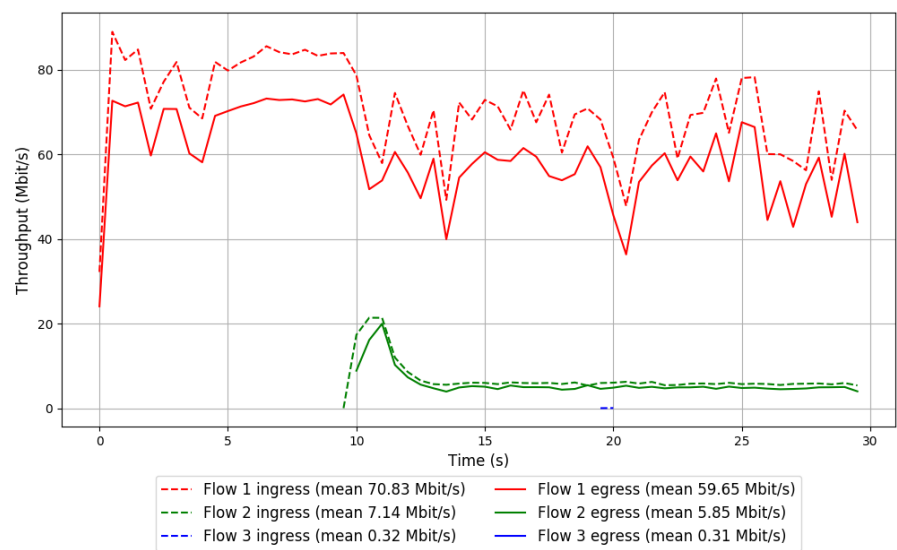
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

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

End at: Mon, 10 Jul 2017 00:01:29 +0000

Local clock offset: 0.448 ms

Remote clock offset: -5.333 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 67.572 ms

Loss rate: 14.31%

-- Flow 1:

Average throughput: 20.89 Mbit/s

95th percentile per-packet one-way delay: 67.334 ms

Loss rate: 16.07%

-- Flow 2:

Average throughput: 21.78 Mbit/s

95th percentile per-packet one-way delay: 68.762 ms

Loss rate: 14.41%

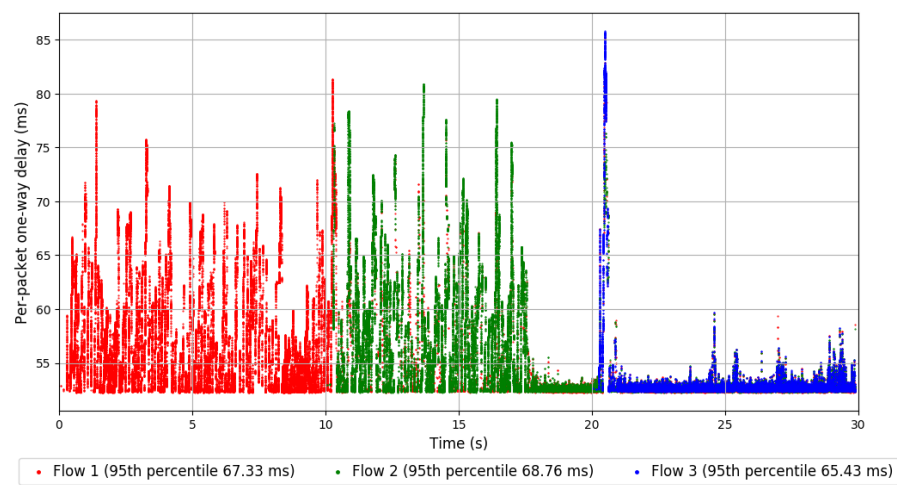
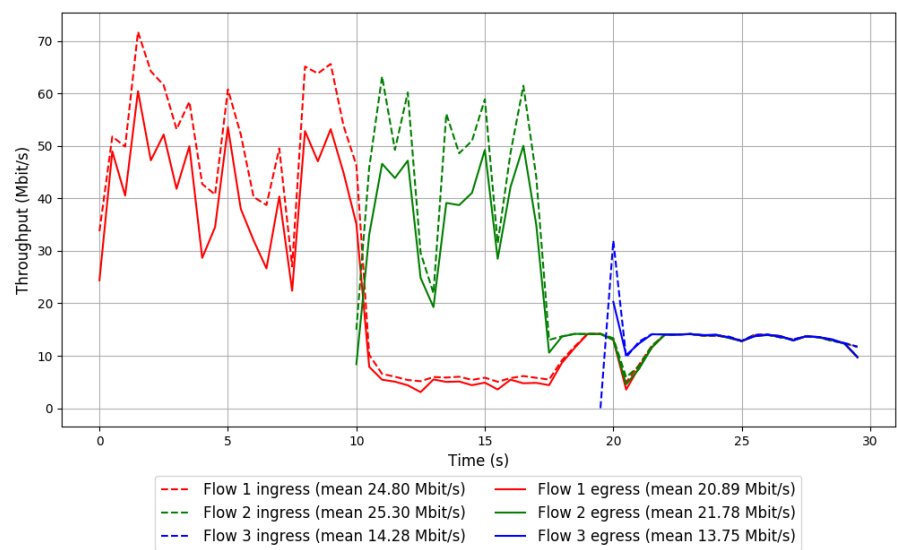
-- Flow 3:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 65.433 ms

Loss rate: 4.81%

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



Run 4: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:19:38 +0000

End at: Mon, 10 Jul 2017 00:20:08 +0000

Local clock offset: 0.523 ms

Remote clock offset: -5.256 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.21 Mbit/s

95th percentile per-packet one-way delay: 67.103 ms

Loss rate: 15.45%

-- Flow 1:

Average throughput: 63.05 Mbit/s

95th percentile per-packet one-way delay: 66.741 ms

Loss rate: 15.16%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 67.579 ms

Loss rate: 17.57%

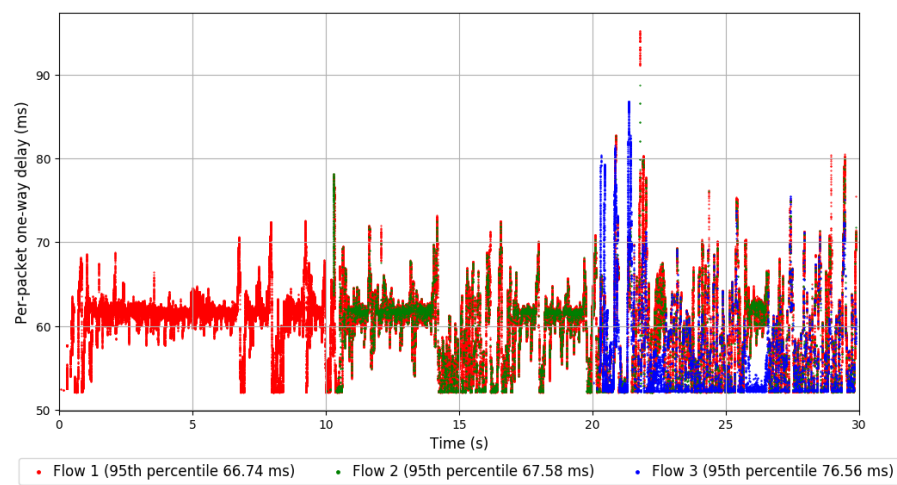
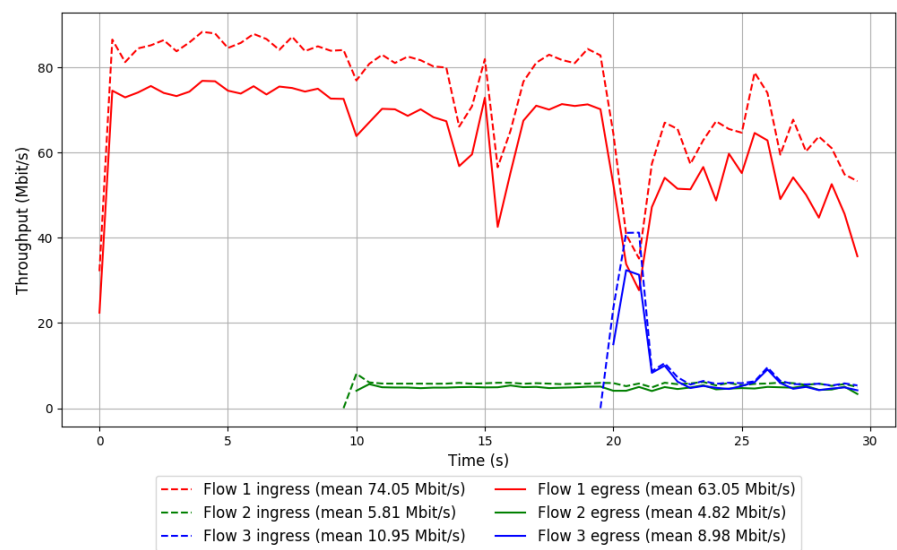
-- Flow 3:

Average throughput: 8.98 Mbit/s

95th percentile per-packet one-way delay: 76.555 ms

Loss rate: 19.00%

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



Run 5: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:38:03 +0000

End at: Mon, 10 Jul 2017 00:38:33 +0000

Local clock offset: 0.524 ms

Remote clock offset: -4.951 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.95 Mbit/s

95th percentile per-packet one-way delay: 77.247 ms

Loss rate: 18.63%

-- Flow 1:

Average throughput: 45.15 Mbit/s

95th percentile per-packet one-way delay: 75.571 ms

Loss rate: 17.33%

-- Flow 2:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 80.042 ms

Loss rate: 21.36%

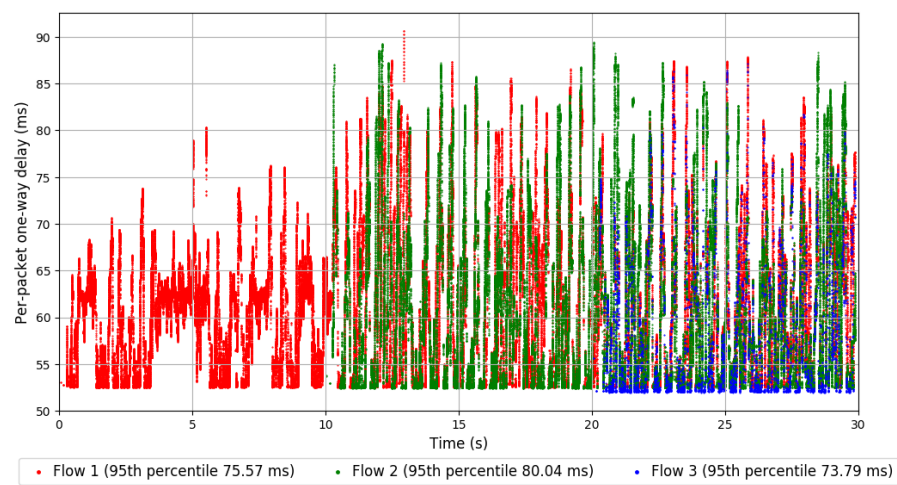
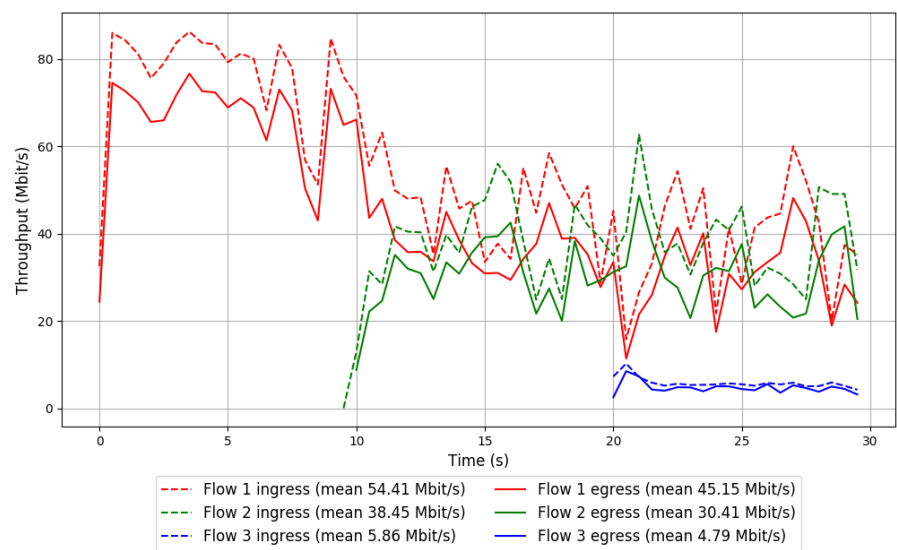
-- Flow 3:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 73.787 ms

Loss rate: 19.16%

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



Run 6: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 00:56:41 +0000

End at: Mon, 10 Jul 2017 00:57:11 +0000

Local clock offset: 0.466 ms

Remote clock offset: -4.518 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.77 Mbit/s

95th percentile per-packet one-way delay: 69.020 ms

Loss rate: 16.67%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 68.542 ms

Loss rate: 16.46%

-- Flow 2:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 73.278 ms

Loss rate: 18.18%

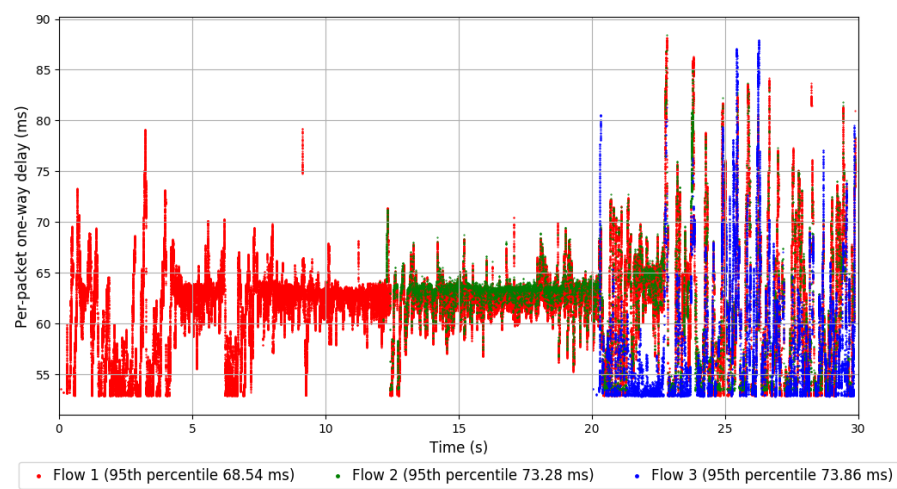
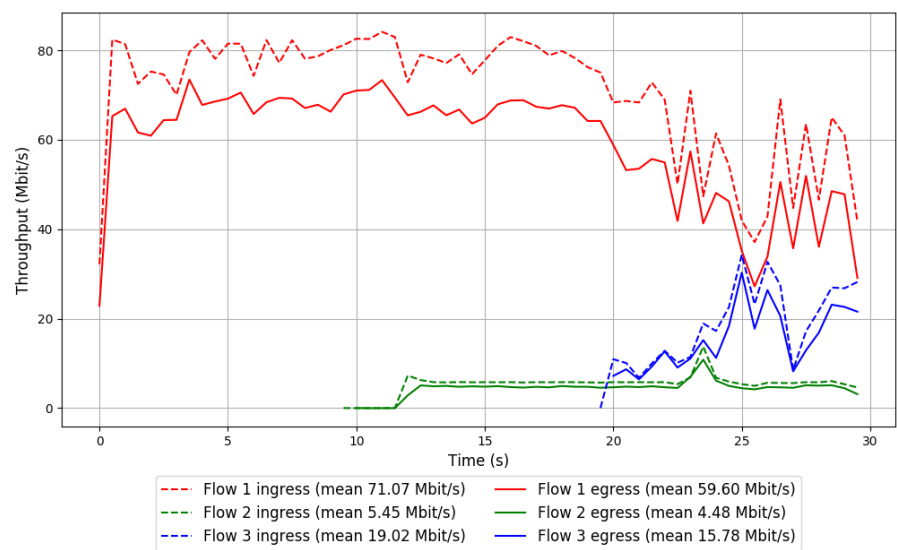
-- Flow 3:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 73.860 ms

Loss rate: 18.13%

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



Run 7: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 01:15:21 +0000

End at: Mon, 10 Jul 2017 01:15:51 +0000

Local clock offset: 0.397 ms

Remote clock offset: -3.724 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.50 Mbit/s

95th percentile per-packet one-way delay: 66.392 ms

Loss rate: 16.01%

-- Flow 1:

Average throughput: 67.39 Mbit/s

95th percentile per-packet one-way delay: 66.353 ms

Loss rate: 15.73%

-- Flow 2:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 65.352 ms

Loss rate: 17.91%

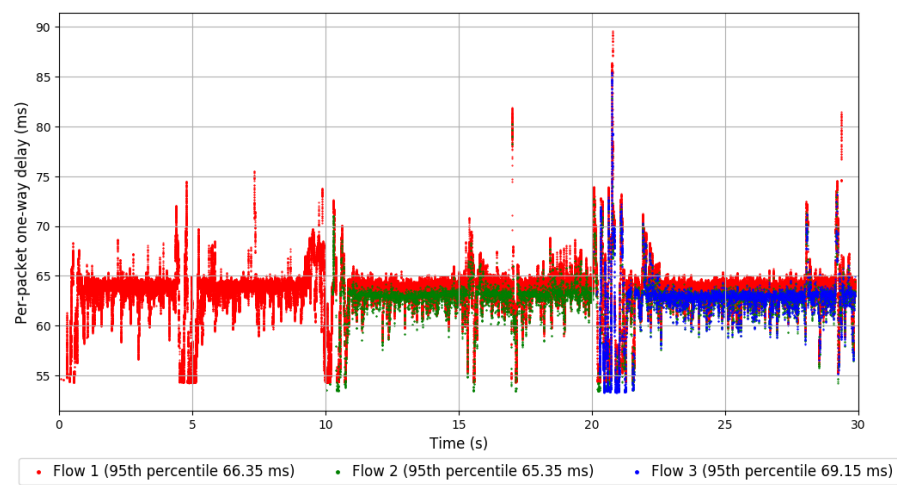
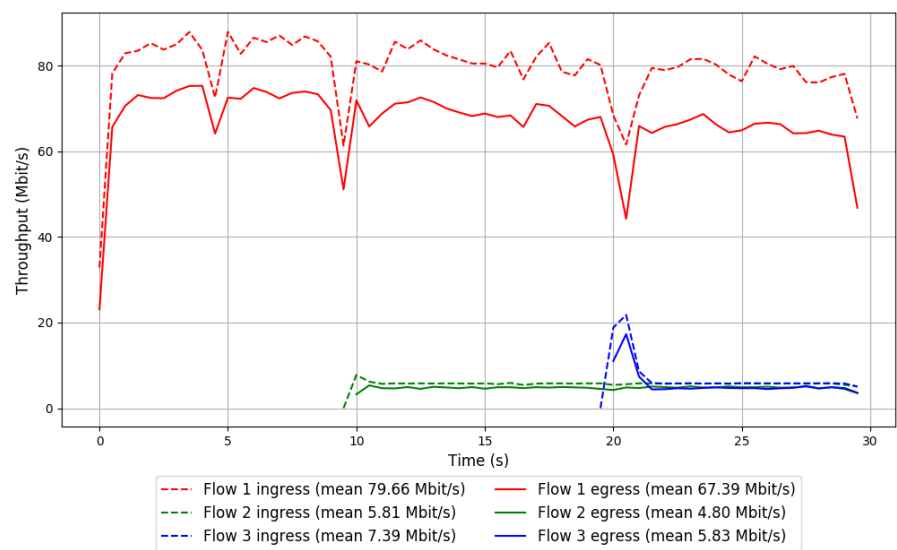
-- Flow 3:

Average throughput: 5.83 Mbit/s

95th percentile per-packet one-way delay: 69.152 ms

Loss rate: 22.17%

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



Run 8: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 01:33:47 +0000

End at: Mon, 10 Jul 2017 01:34:17 +0000

Local clock offset: 0.36 ms

Remote clock offset: -3.088 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.78 Mbit/s

95th percentile per-packet one-way delay: 79.121 ms

Loss rate: 19.63%

-- Flow 1:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 76.366 ms

Loss rate: 18.08%

-- Flow 2:

Average throughput: 31.33 Mbit/s

95th percentile per-packet one-way delay: 82.533 ms

Loss rate: 22.77%

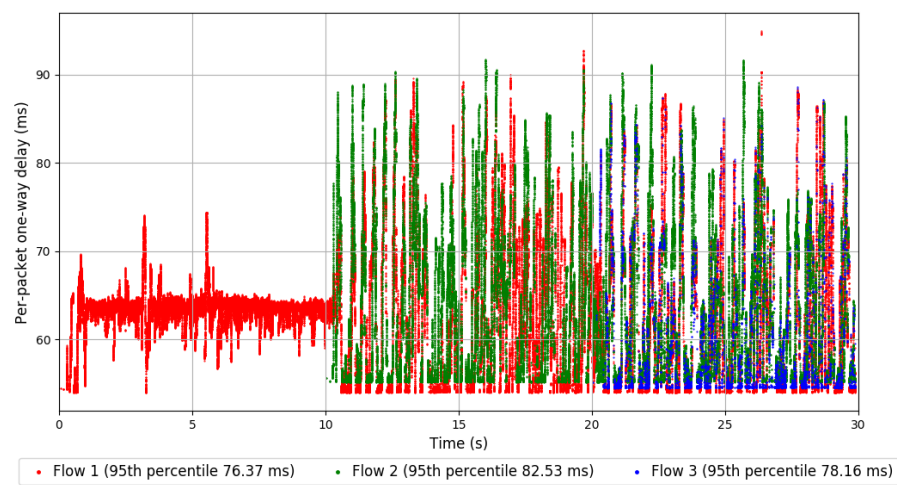
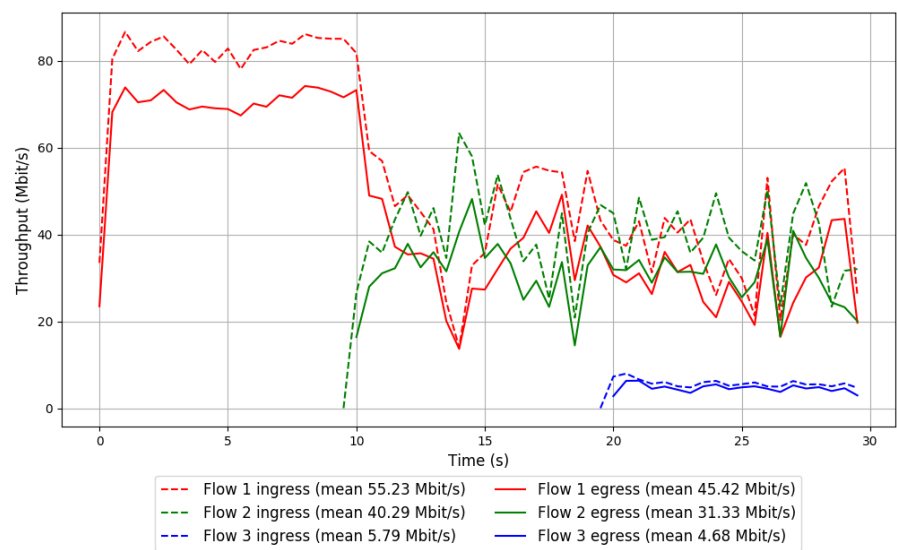
-- Flow 3:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 78.164 ms

Loss rate: 20.10%

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



Run 9: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 01:52:19 +0000

End at: Mon, 10 Jul 2017 01:52:49 +0000

Local clock offset: 0.324 ms

Remote clock offset: -2.386 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 65.636 ms

Loss rate: 15.39%

-- Flow 1:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 65.636 ms

Loss rate: 15.23%

-- Flow 2:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 65.890 ms

Loss rate: 17.91%

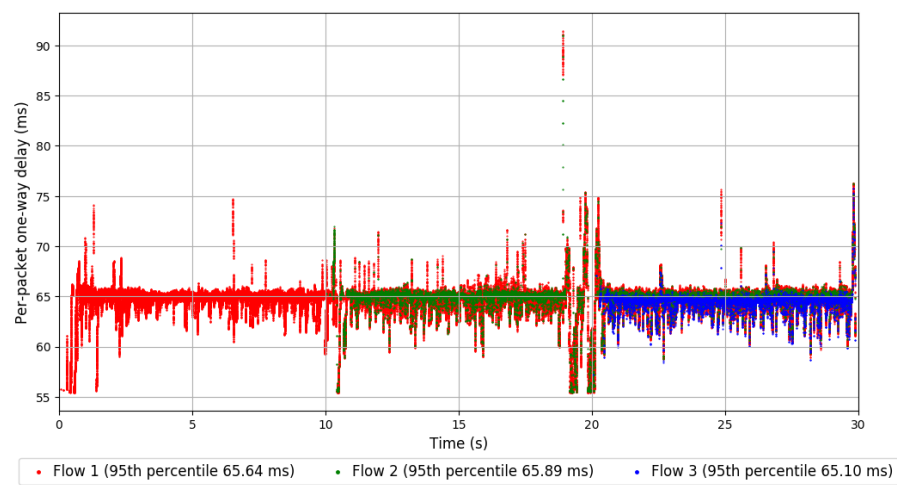
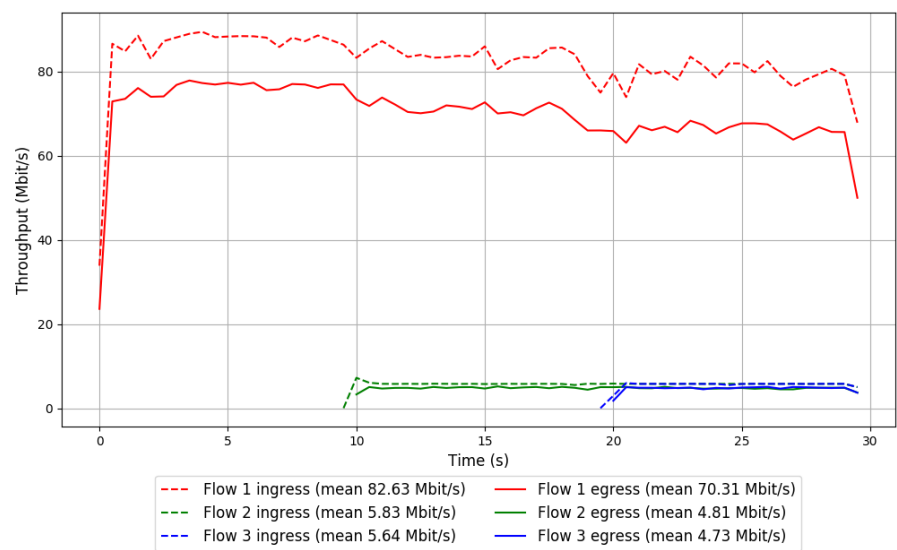
-- Flow 3:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 65.096 ms

Loss rate: 17.10%

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



Run 10: Statistics of TaoVA-100x

Start at: Mon, 10 Jul 2017 02:10:45 +0000

End at: Mon, 10 Jul 2017 02:11:15 +0000

Local clock offset: 0.406 ms

Remote clock offset: -3.056 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 77.731 ms

Loss rate: 17.55%

-- Flow 1:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 77.131 ms

Loss rate: 16.90%

-- Flow 2:

Average throughput: 37.55 Mbit/s

95th percentile per-packet one-way delay: 78.578 ms

Loss rate: 18.68%

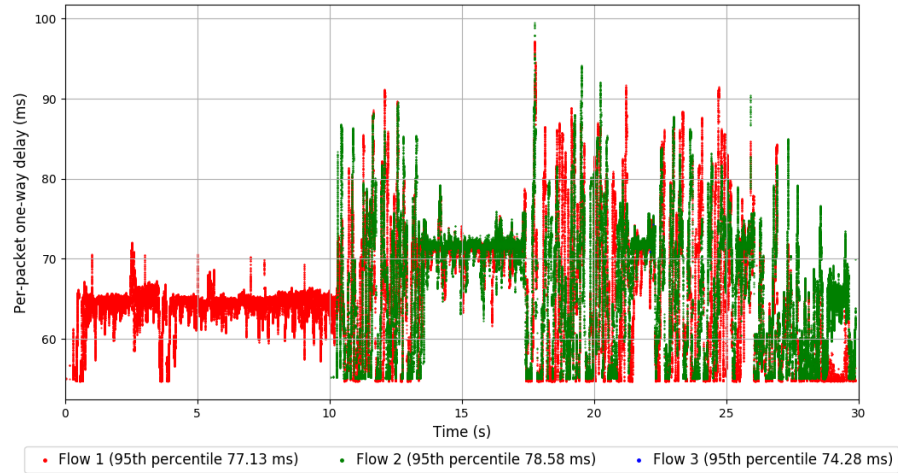
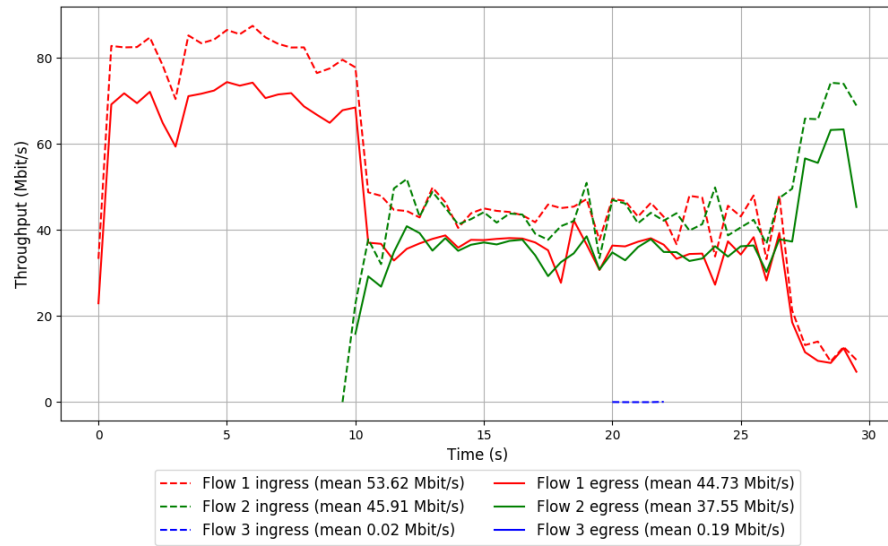
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 74.285 ms

Loss rate: 51.91%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:16:35 +0000

End at: Sun, 09 Jul 2017 23:17:05 +0000

Local clock offset: 0.525 ms

Remote clock offset: -4.68 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 54.852 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 54.816 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 14.21 Mbit/s

95th percentile per-packet one-way delay: 55.858 ms

Loss rate: 2.07%

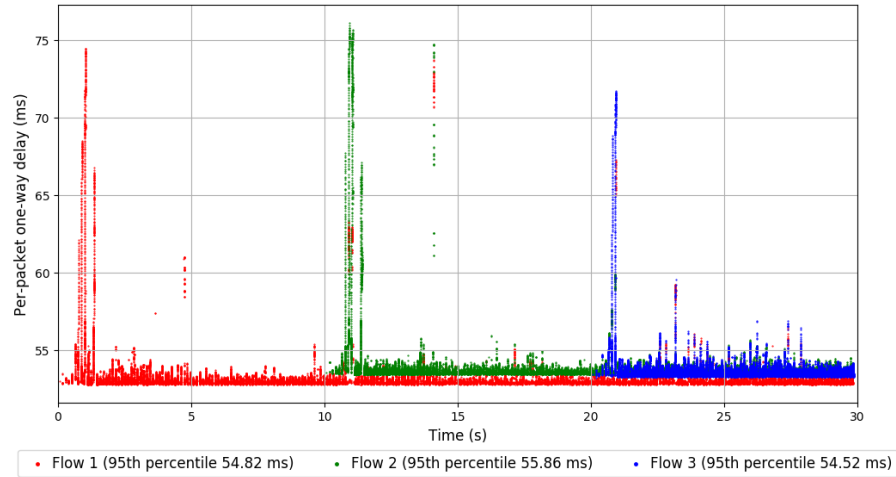
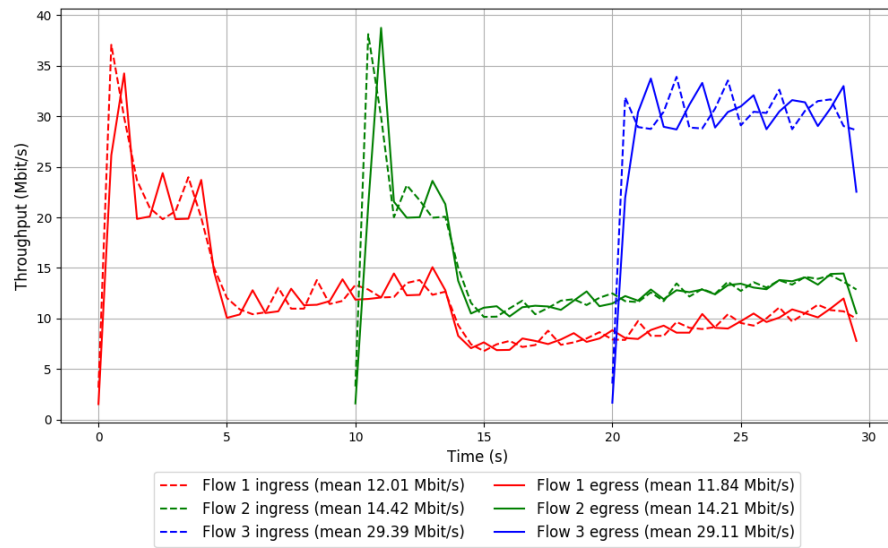
-- Flow 3:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 54.521 ms

Loss rate: 2.11%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:35:21 +0000

End at: Sun, 09 Jul 2017 23:35:51 +0000

Local clock offset: 0.499 ms

Remote clock offset: -4.536 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.70 Mbit/s

95th percentile per-packet one-way delay: 54.146 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 17.45 Mbit/s

95th percentile per-packet one-way delay: 54.708 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 53.198 ms

Loss rate: 0.94%

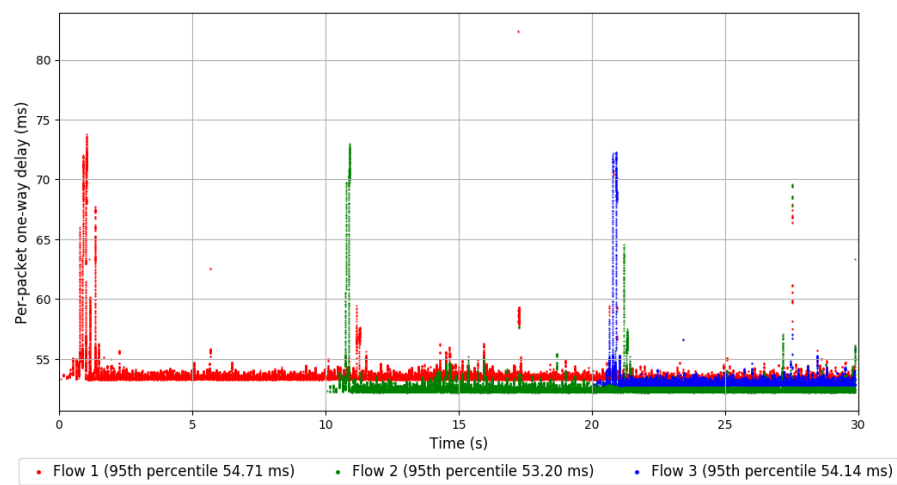
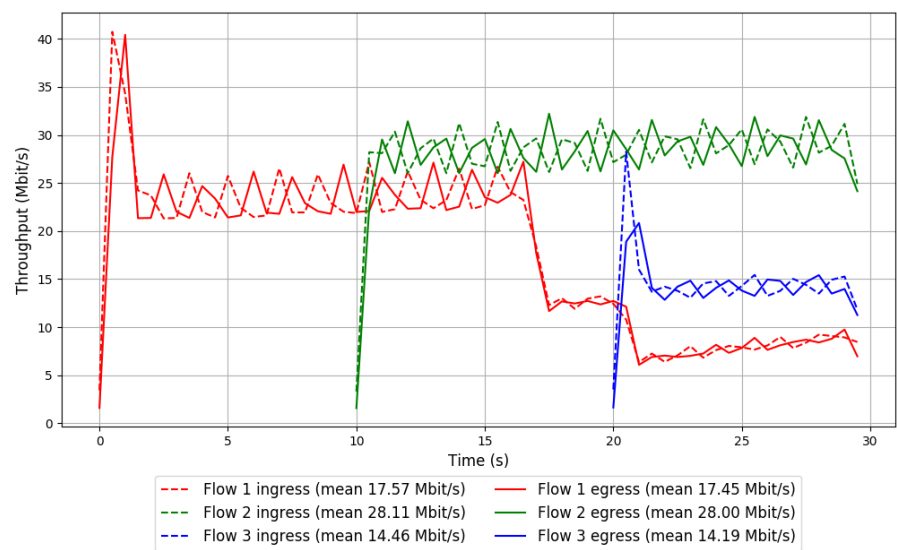
-- Flow 3:

Average throughput: 14.19 Mbit/s

95th percentile per-packet one-way delay: 54.138 ms

Loss rate: 2.94%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 23:53:43 +0000

End at: Sun, 09 Jul 2017 23:54:13 +0000

Local clock offset: 0.507 ms

Remote clock offset: -5.268 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.54 Mbit/s

95th percentile per-packet one-way delay: 54.229 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 54.581 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 21.40 Mbit/s

95th percentile per-packet one-way delay: 53.705 ms

Loss rate: 1.08%

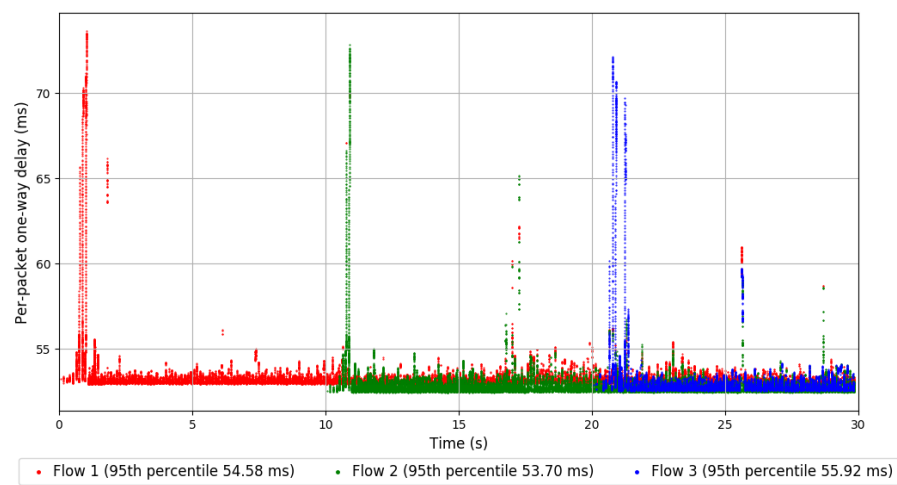
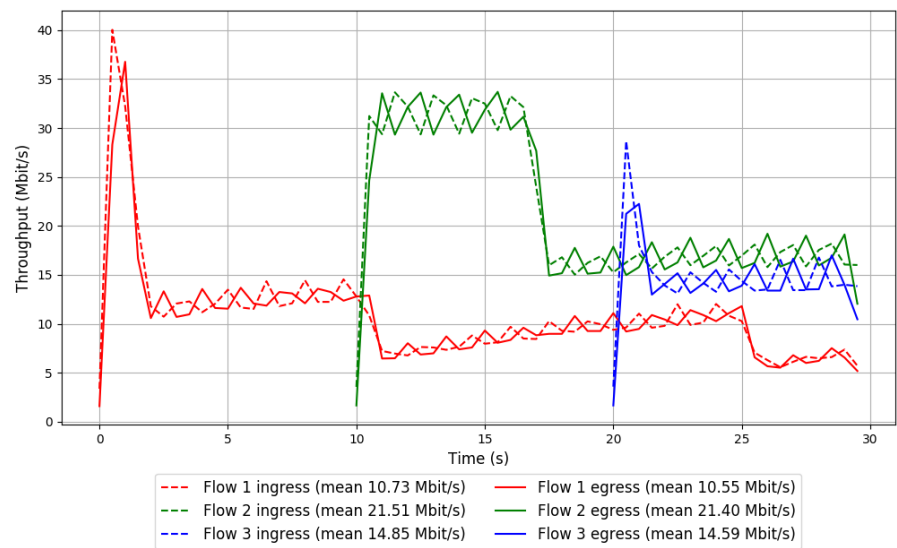
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 55.917 ms

Loss rate: 2.92%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 00:12:19 +0000

End at: Mon, 10 Jul 2017 00:12:49 +0000

Local clock offset: 0.536 ms

Remote clock offset: -5.194 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.60 Mbit/s

95th percentile per-packet one-way delay: 53.340 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 53.004 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 18.33 Mbit/s

95th percentile per-packet one-way delay: 53.515 ms

Loss rate: 1.81%

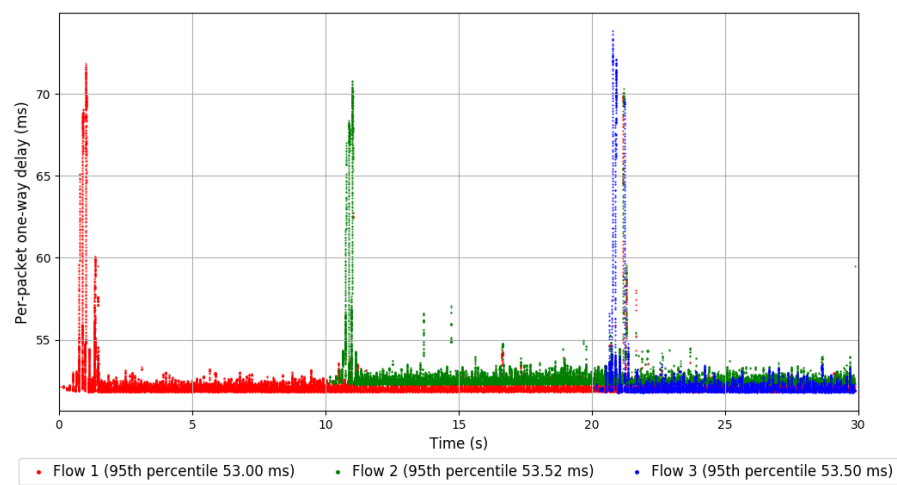
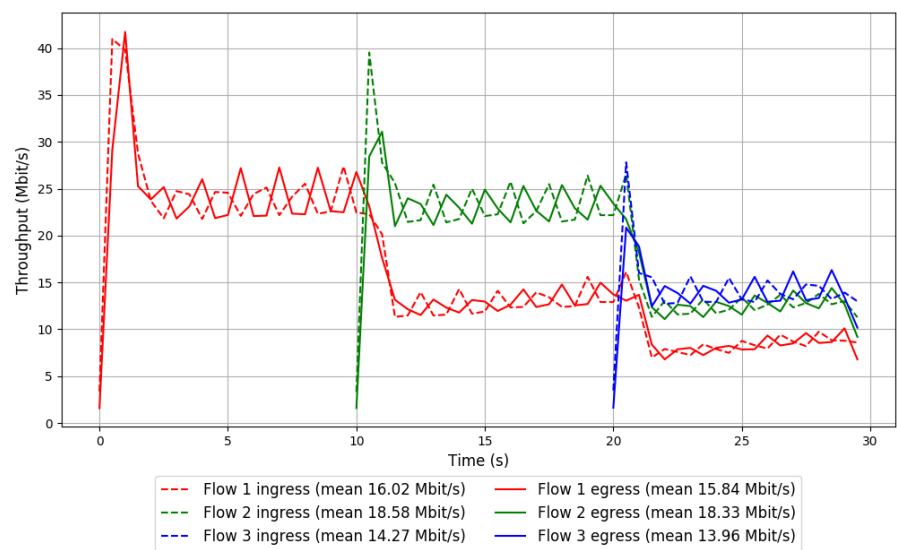
-- Flow 3:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 53.500 ms

Loss rate: 3.30%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 00:30:50 +0000

End at: Mon, 10 Jul 2017 00:31:20 +0000

Local clock offset: 0.538 ms

Remote clock offset: -5.043 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 53.748 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 13.77 Mbit/s

95th percentile per-packet one-way delay: 53.636 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 14.66 Mbit/s

95th percentile per-packet one-way delay: 53.611 ms

Loss rate: 1.15%

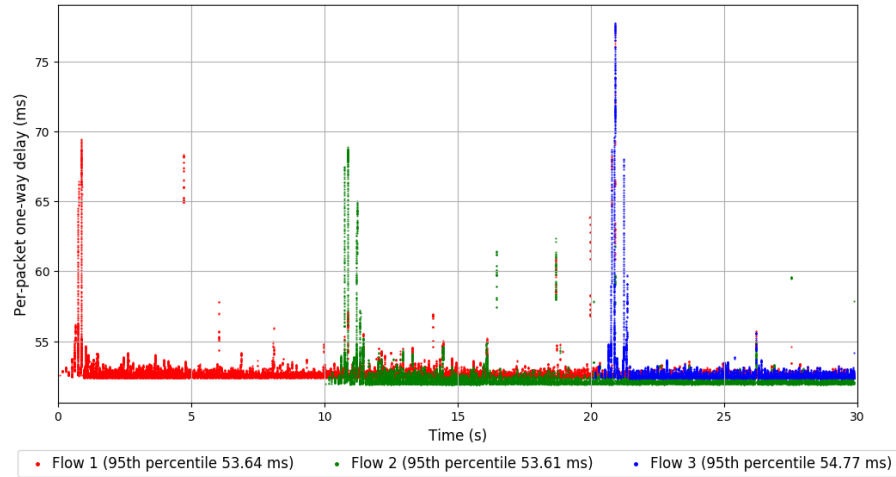
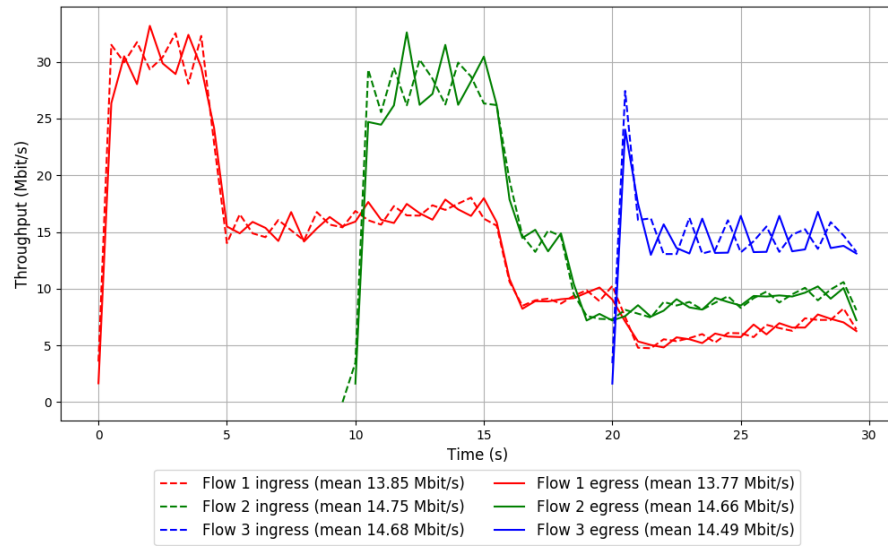
-- Flow 3:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 54.767 ms

Loss rate: 2.45%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

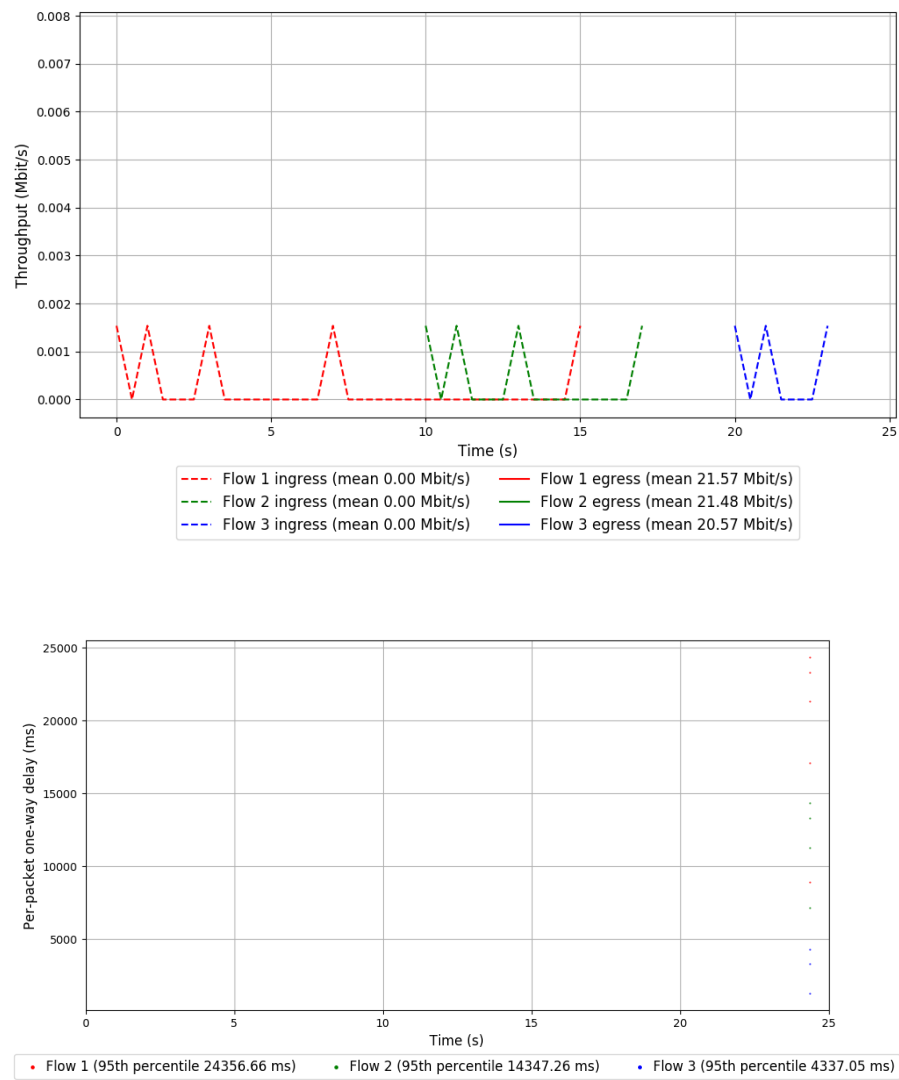
Start at: Mon, 10 Jul 2017 00:49:27 +0000

End at: Mon, 10 Jul 2017 00:49:57 +0000

Local clock offset: 0.38 ms

Remote clock offset: -4.556 ms

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 01:08:04 +0000

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

Local clock offset: 0.342 ms

Remote clock offset: -3.902 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.15 Mbit/s

95th percentile per-packet one-way delay: 54.898 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 5517.247 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 54.281 ms

Loss rate: 0.78%

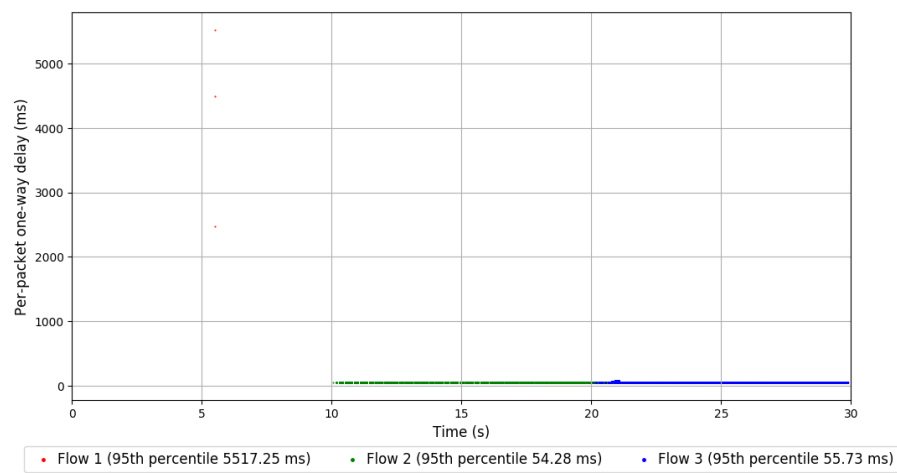
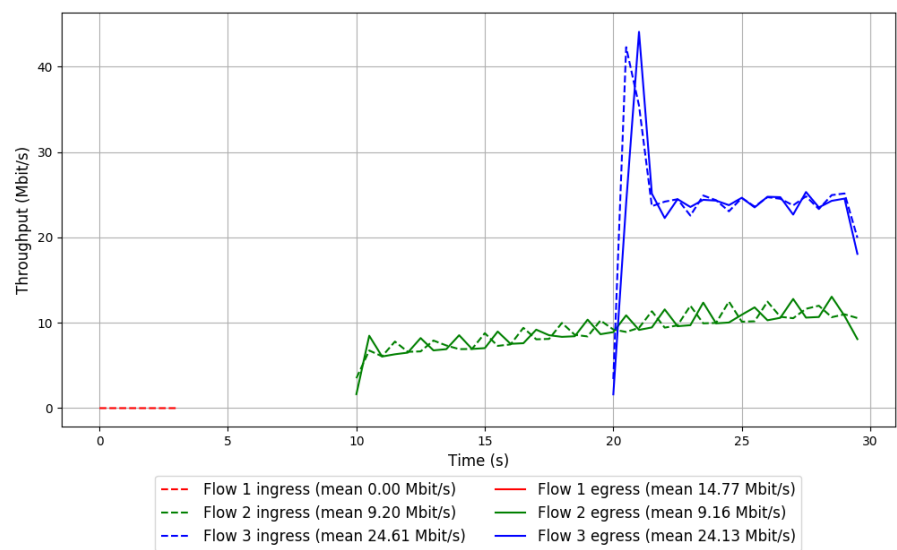
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 55.730 ms

Loss rate: 2.88%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 01:26:28 +0000

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

Local clock offset: 0.277 ms

Remote clock offset: -3.321 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 55.947 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 56.115 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 55.794 ms

Loss rate: 1.61%

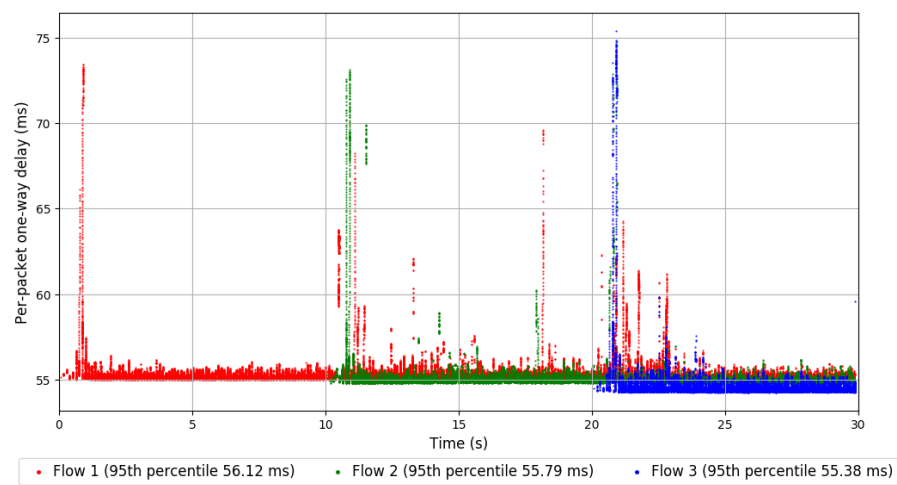
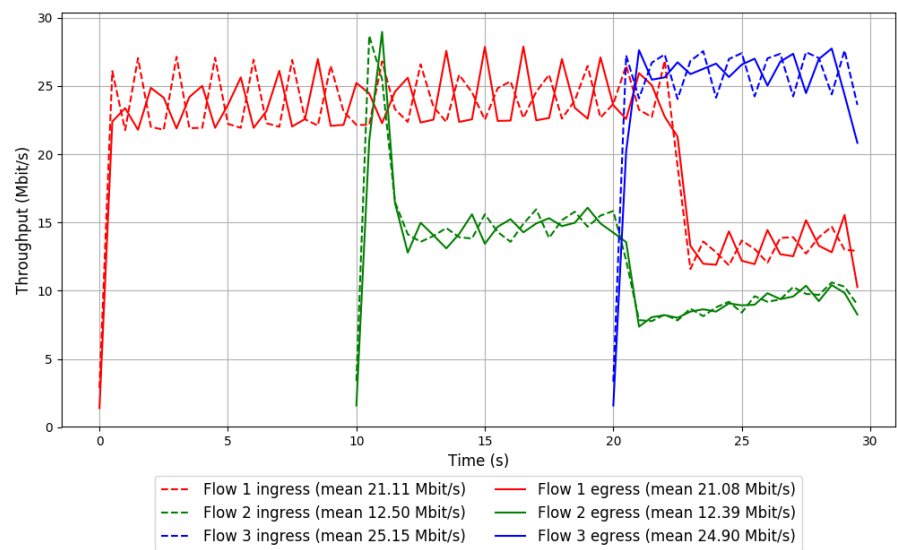
-- Flow 3:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 55.375 ms

Loss rate: 1.97%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 01:45:07 +0000

End at: Mon, 10 Jul 2017 01:45:37 +0000

Local clock offset: 0.284 ms

Remote clock offset: -2.892 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 56.560 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 56.833 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 56.569 ms

Loss rate: 0.83%

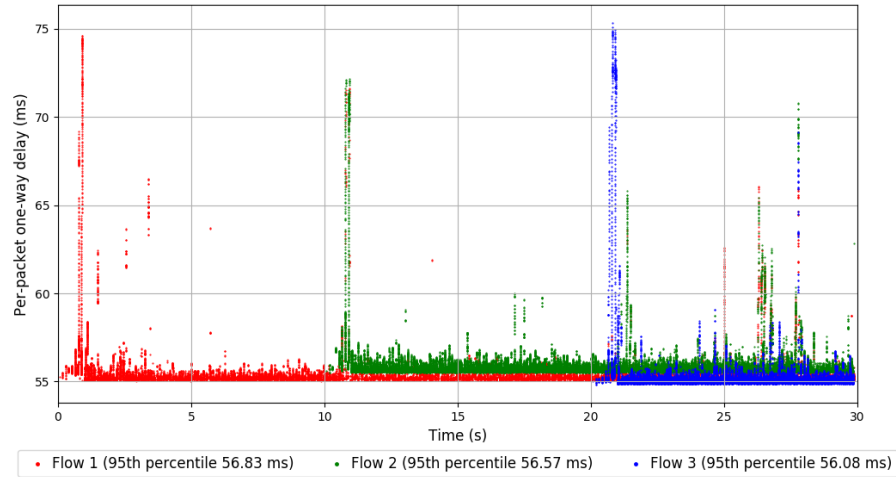
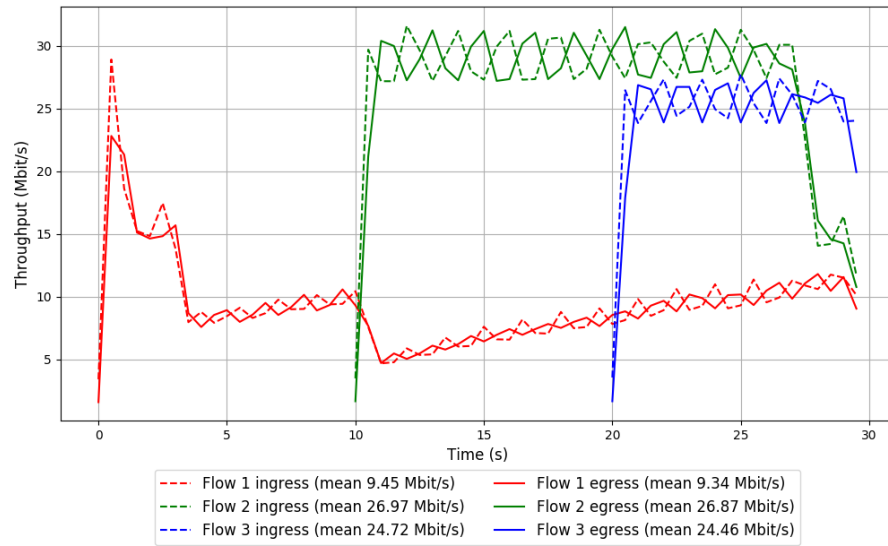
-- Flow 3:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 56.075 ms

Loss rate: 2.20%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Mon, 10 Jul 2017 02:03:27 +0000

End at: Mon, 10 Jul 2017 02:03:57 +0000

Local clock offset: 0.402 ms

Remote clock offset: -2.428 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 57.026 ms

Loss rate: 2.20%

-- Flow 1:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 56.705 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 57.401 ms

Loss rate: 1.52%

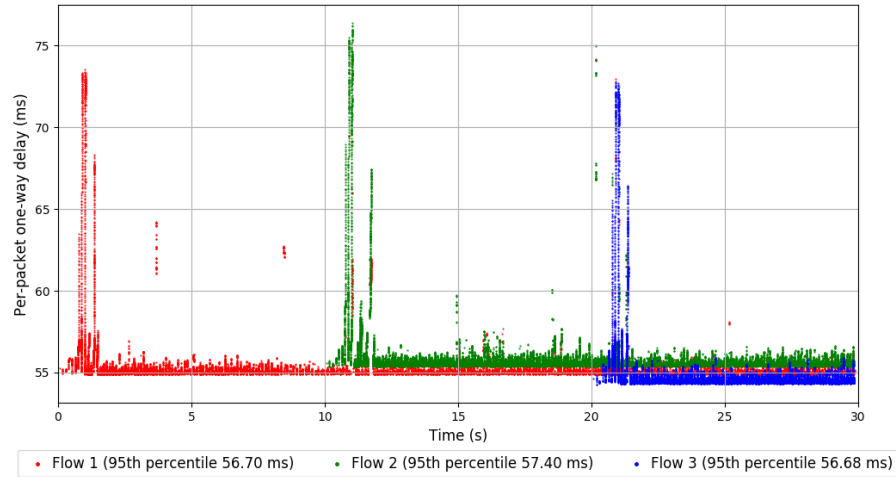
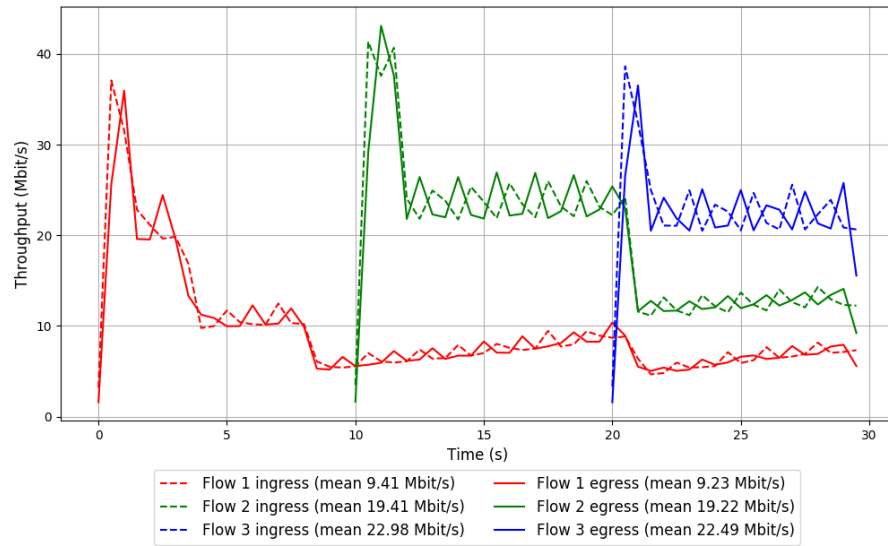
-- Flow 3:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 56.680 ms

Loss rate: 3.27%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:22:34 +0000

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

Local clock offset: 0.508 ms

Remote clock offset: -4.63 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.20 Mbit/s

95th percentile per-packet one-way delay: 85.170 ms

Loss rate: 82.83%

-- Flow 1:

Average throughput: 20.18 Mbit/s

95th percentile per-packet one-way delay: 81.391 ms

Loss rate: 77.55%

-- Flow 2:

Average throughput: 38.20 Mbit/s

95th percentile per-packet one-way delay: 85.564 ms

Loss rate: 84.95%

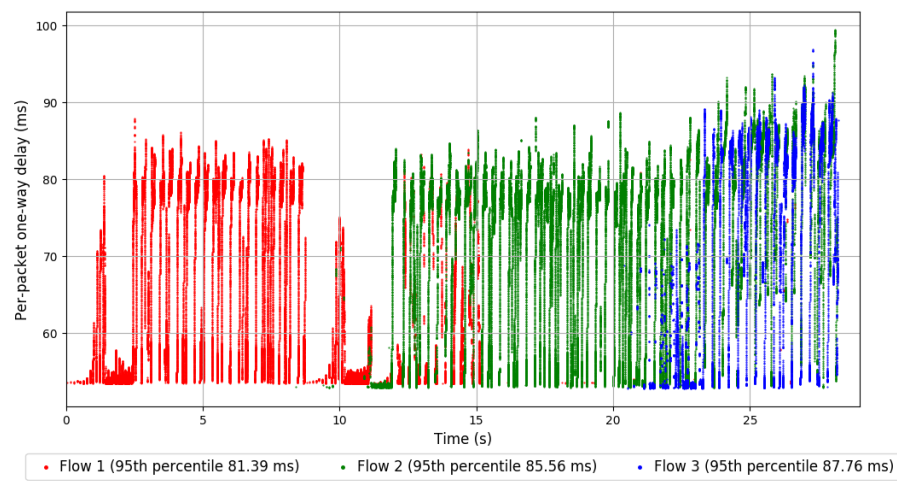
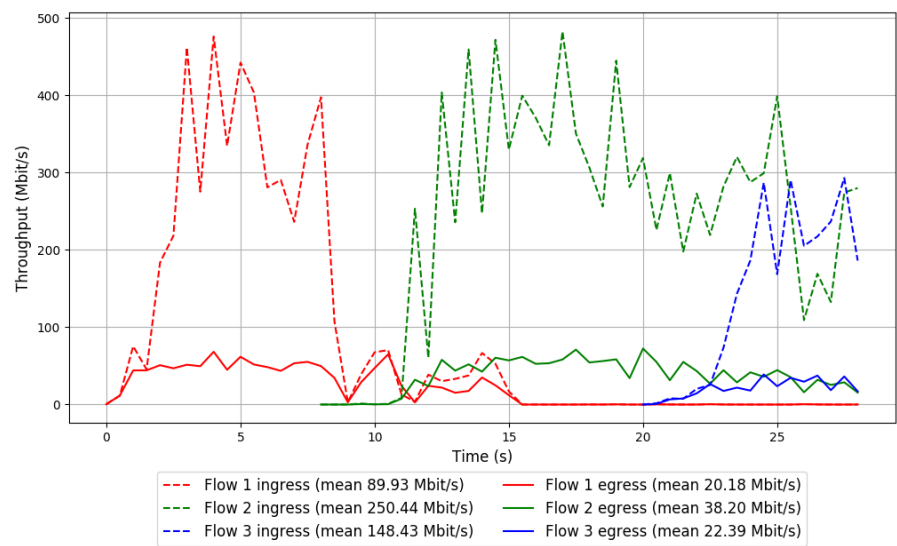
-- Flow 3:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: 87.762 ms

Loss rate: 85.12%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:41:17 +0000

End at: Sun, 09 Jul 2017 23:41:47 +0000

Local clock offset: 0.521 ms

Remote clock offset: -4.913 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 81.841 ms

Loss rate: 71.18%

-- Flow 1:

Average throughput: 35.35 Mbit/s

95th percentile per-packet one-way delay: 81.482 ms

Loss rate: 73.66%

-- Flow 2:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 84.023 ms

Loss rate: 60.94%

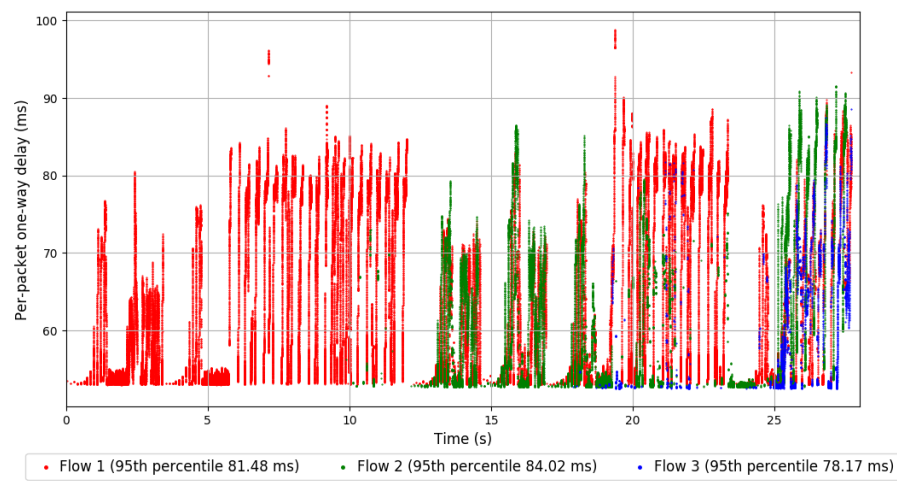
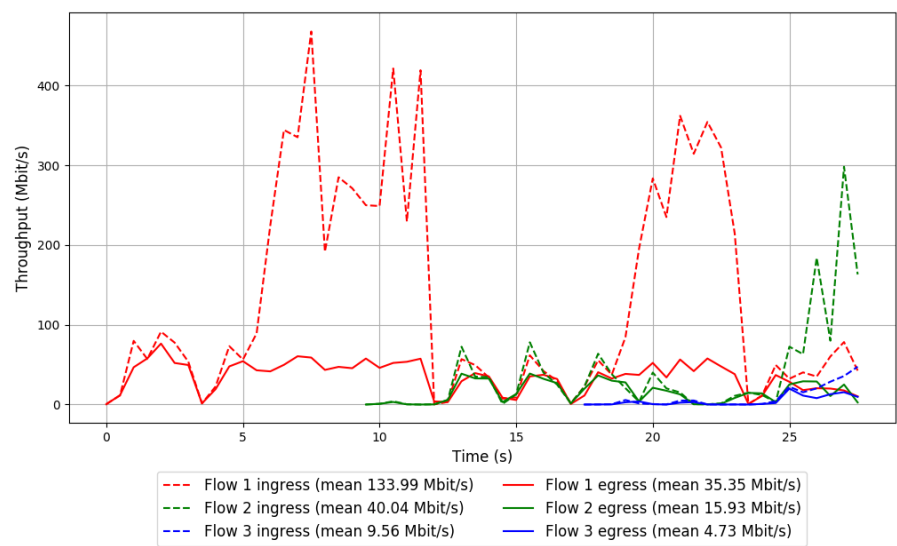
-- Flow 3:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 78.173 ms

Loss rate: 51.94%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:59:40 +0000

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

Local clock offset: 0.525 ms

Remote clock offset: -5.187 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 82.774 ms

Loss rate: 70.69%

-- Flow 1:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 78.324 ms

Loss rate: 53.85%

-- Flow 2:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 82.547 ms

Loss rate: 75.32%

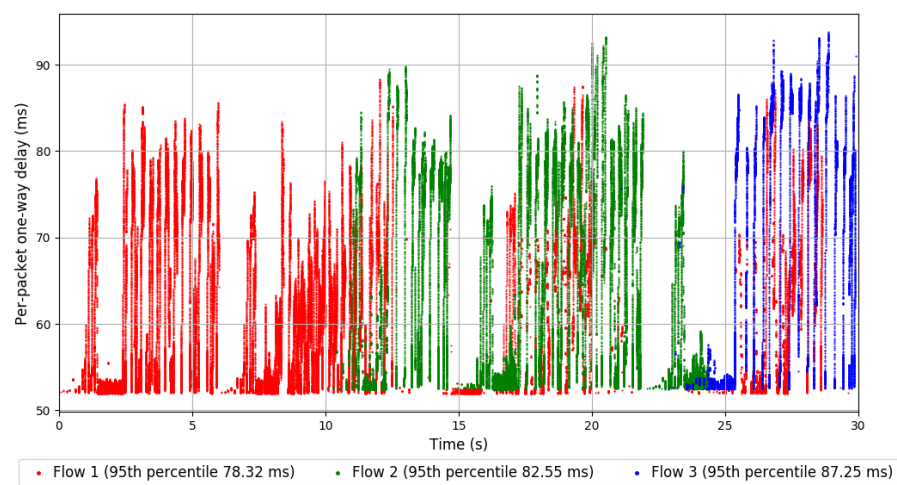
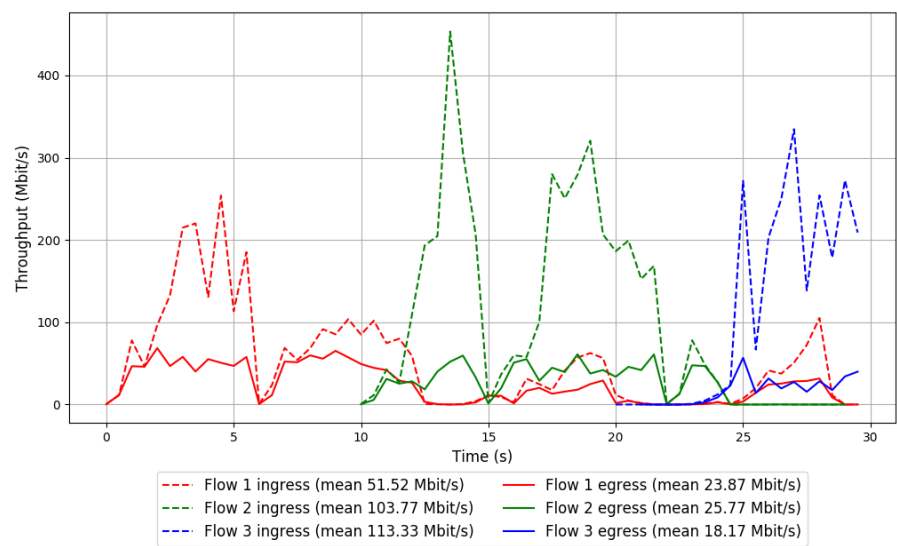
-- Flow 3:

Average throughput: 18.17 Mbit/s

95th percentile per-packet one-way delay: 87.250 ms

Loss rate: 85.59%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

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

End at: Mon, 10 Jul 2017 00:18:45 +0000

Local clock offset: 0.473 ms

Remote clock offset: -5.312 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 81.169 ms

Loss rate: 82.79%

-- Flow 1:

Average throughput: 52.85 Mbit/s

95th percentile per-packet one-way delay: 81.180 ms

Loss rate: 82.89%

-- Flow 2:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 69.166 ms

Loss rate: 28.50%

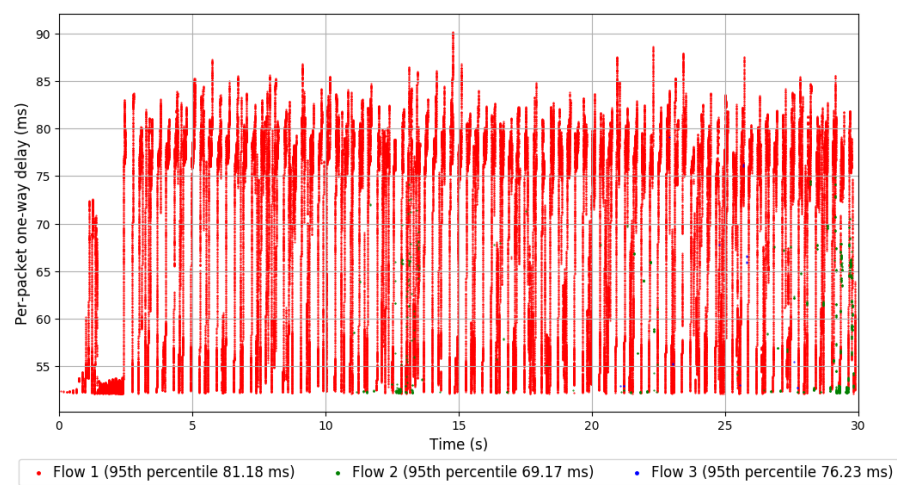
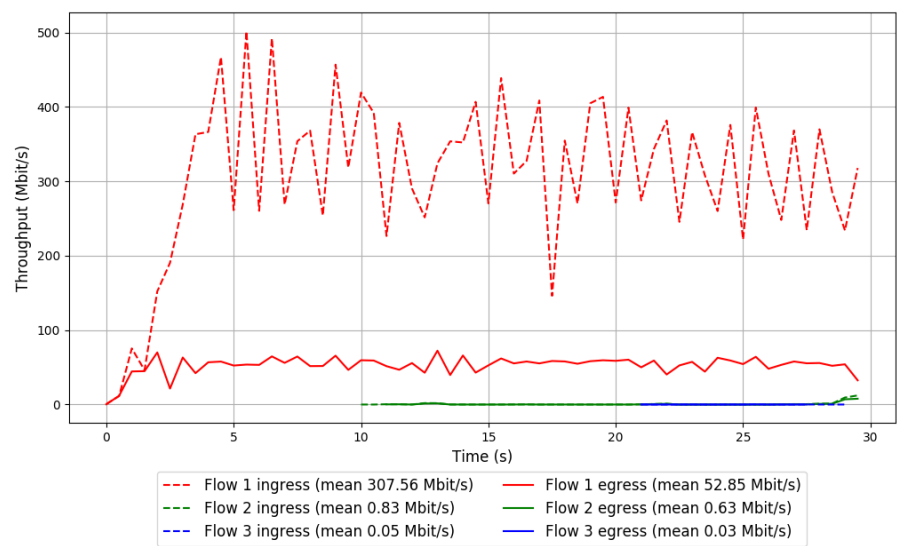
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 76.235 ms

Loss rate: 55.26%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Mon, 10 Jul 2017 00:36:46 +0000

End at: Mon, 10 Jul 2017 00:37:16 +0000

Local clock offset: 0.479 ms

Remote clock offset: -5.18 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.03 Mbit/s

95th percentile per-packet one-way delay: 80.298 ms

Loss rate: 64.07%

-- Flow 1:

Average throughput: 27.60 Mbit/s

95th percentile per-packet one-way delay: 81.118 ms

Loss rate: 70.66%

-- Flow 2:

Average throughput: 18.32 Mbit/s

95th percentile per-packet one-way delay: 77.702 ms

Loss rate: 50.76%

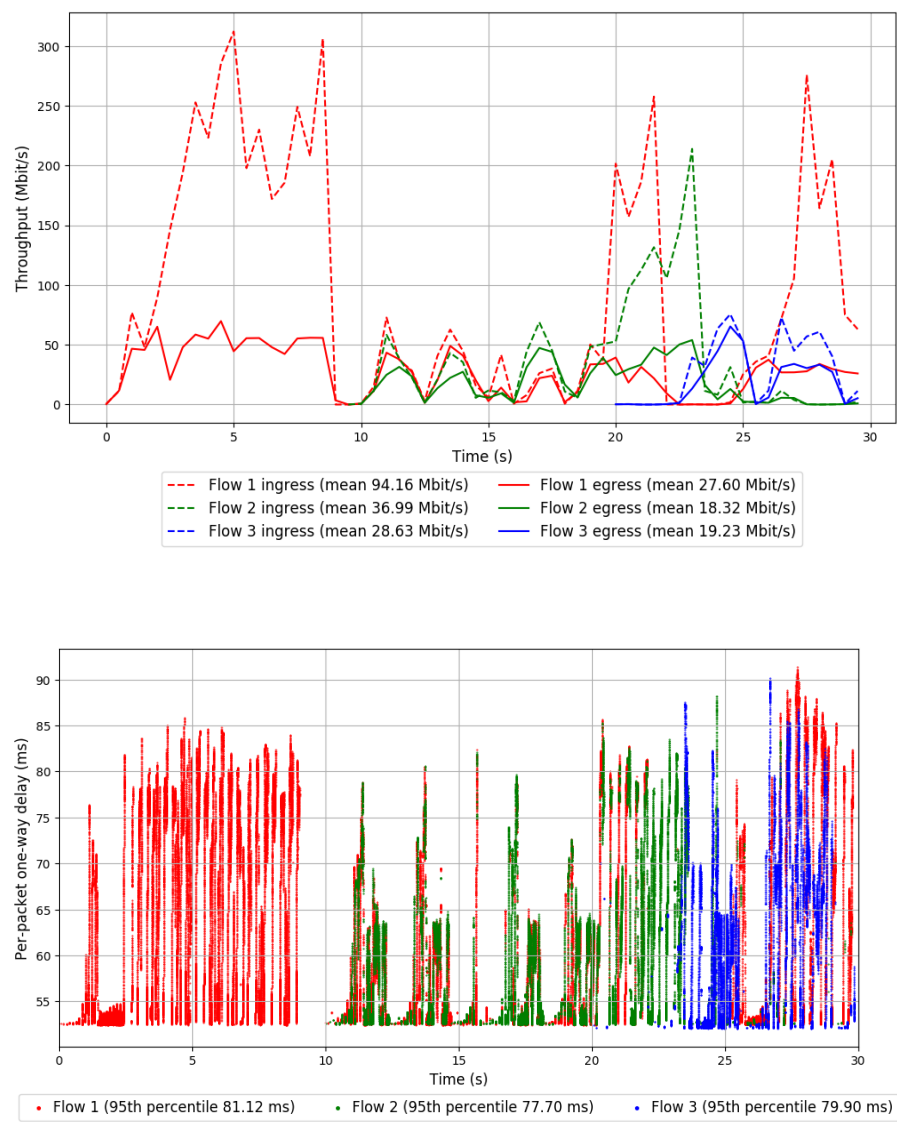
-- Flow 3:

Average throughput: 19.23 Mbit/s

95th percentile per-packet one-way delay: 79.902 ms

Loss rate: 33.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Mon, 10 Jul 2017 00:55:23 +0000

End at: Mon, 10 Jul 2017 00:55:53 +0000

Local clock offset: 0.462 ms

Remote clock offset: -4.503 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 80.977 ms

Loss rate: 62.33%

-- Flow 1:

Average throughput: 34.59 Mbit/s

95th percentile per-packet one-way delay: 80.878 ms

Loss rate: 68.15%

-- Flow 2:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 80.332 ms

Loss rate: 35.54%

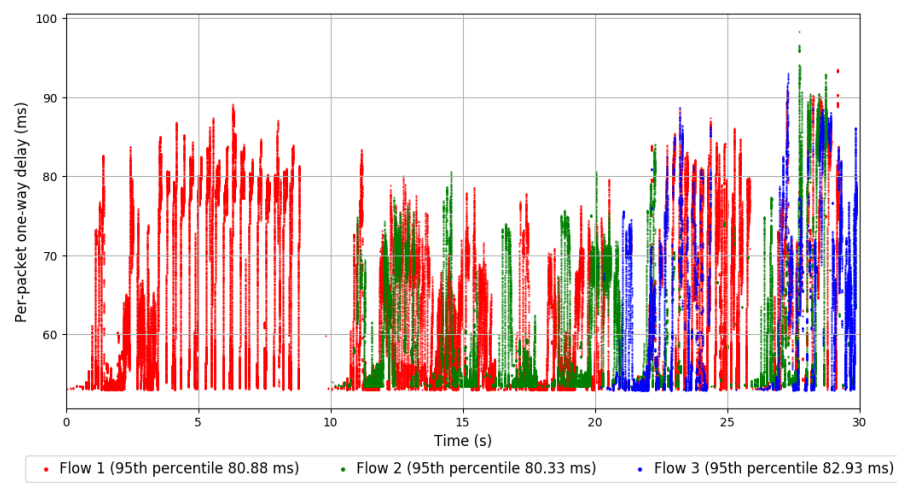
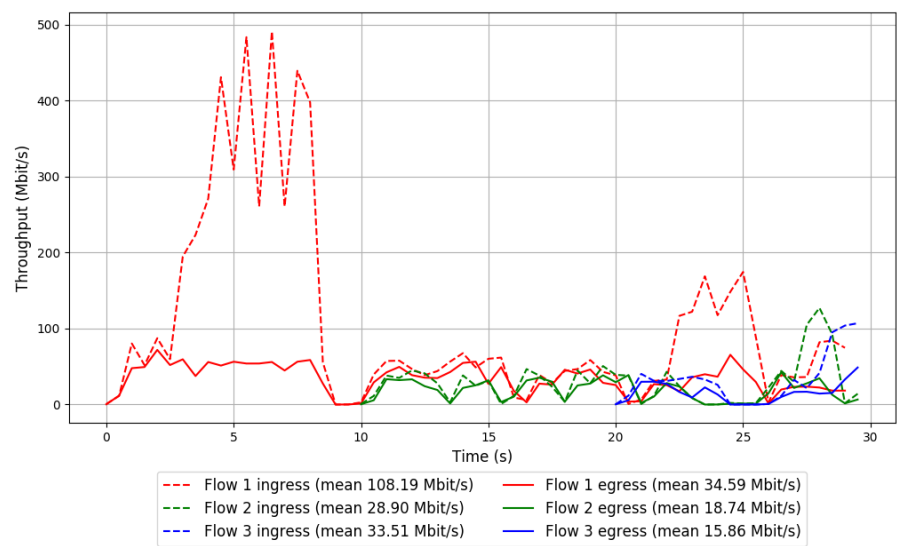
-- Flow 3:

Average throughput: 15.86 Mbit/s

95th percentile per-packet one-way delay: 82.928 ms

Loss rate: 52.75%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:13:59 +0000

End at: Mon, 10 Jul 2017 01:14:29 +0000

Local clock offset: 0.42 ms

Remote clock offset: -3.763 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 83.460 ms

Loss rate: 81.02%

-- Flow 1:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 83.642 ms

Loss rate: 82.21%

-- Flow 2:

Average throughput: 5.94 Mbit/s

95th percentile per-packet one-way delay: 74.066 ms

Loss rate: 20.25%

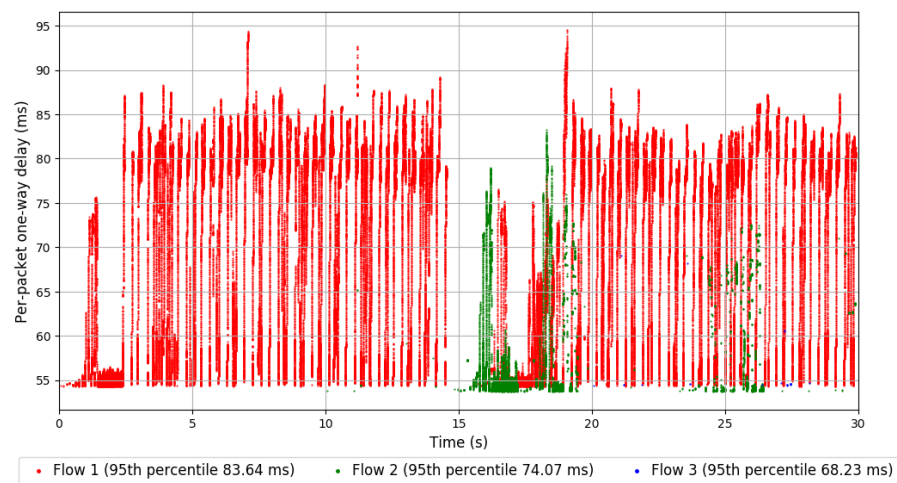
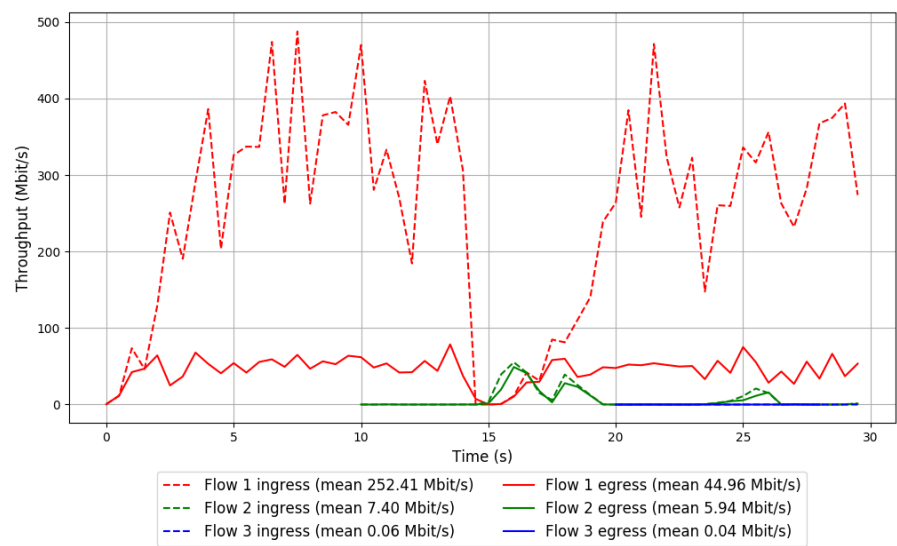
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 68.227 ms

Loss rate: 45.65%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:32:24 +0000

End at: Mon, 10 Jul 2017 01:32:54 +0000

Local clock offset: 0.333 ms

Remote clock offset: -3.235 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 83.176 ms

Loss rate: 75.80%

-- Flow 1:

Average throughput: 47.14 Mbit/s

95th percentile per-packet one-way delay: 83.478 ms

Loss rate: 78.21%

-- Flow 2:

Average throughput: 8.99 Mbit/s

95th percentile per-packet one-way delay: 76.474 ms

Loss rate: 23.30%

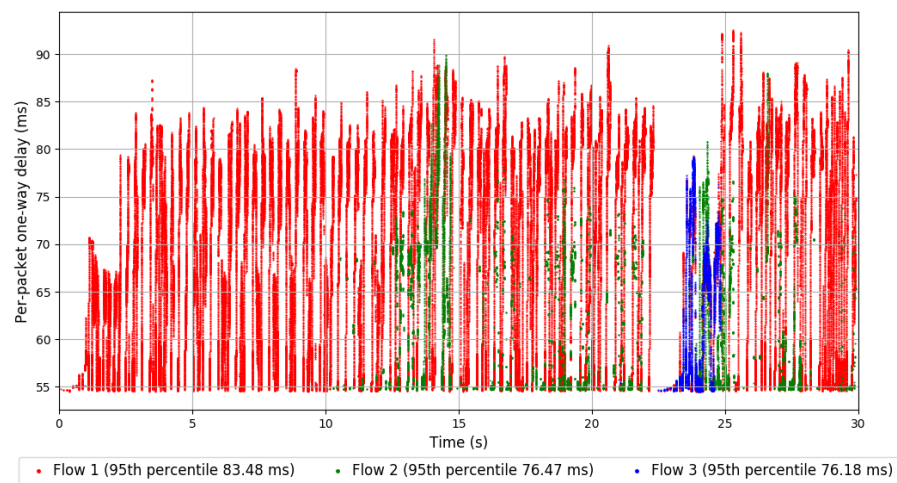
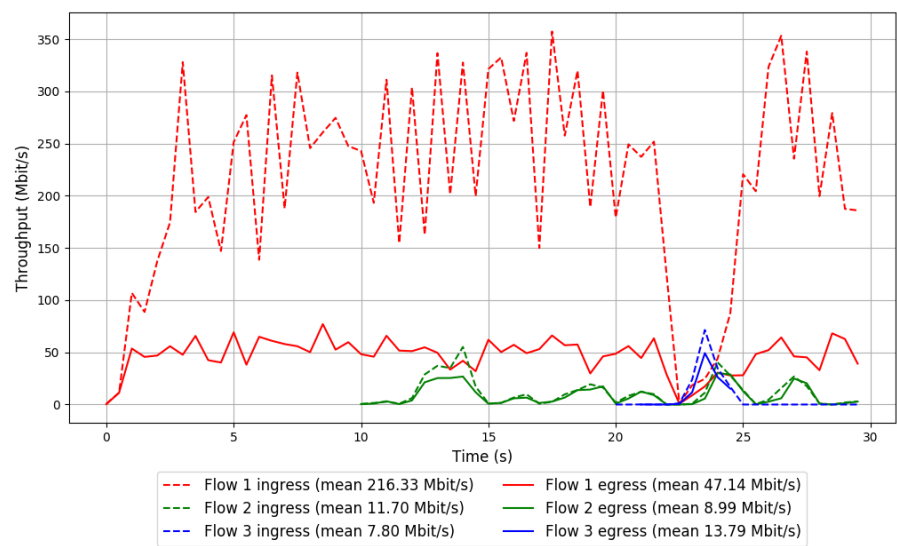
-- Flow 3:

Average throughput: 13.79 Mbit/s

95th percentile per-packet one-way delay: 76.177 ms

Loss rate: 30.36%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Mon, 10 Jul 2017 01:51:03 +0000

End at: Mon, 10 Jul 2017 01:51:33 +0000

Local clock offset: 0.378 ms

Remote clock offset: -2.487 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.44 Mbit/s

95th percentile per-packet one-way delay: 85.168 ms

Loss rate: 58.21%

-- Flow 1:

Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: 77.294 ms

Loss rate: 32.65%

-- Flow 2:

Average throughput: 28.01 Mbit/s

95th percentile per-packet one-way delay: 87.398 ms

Loss rate: 71.34%

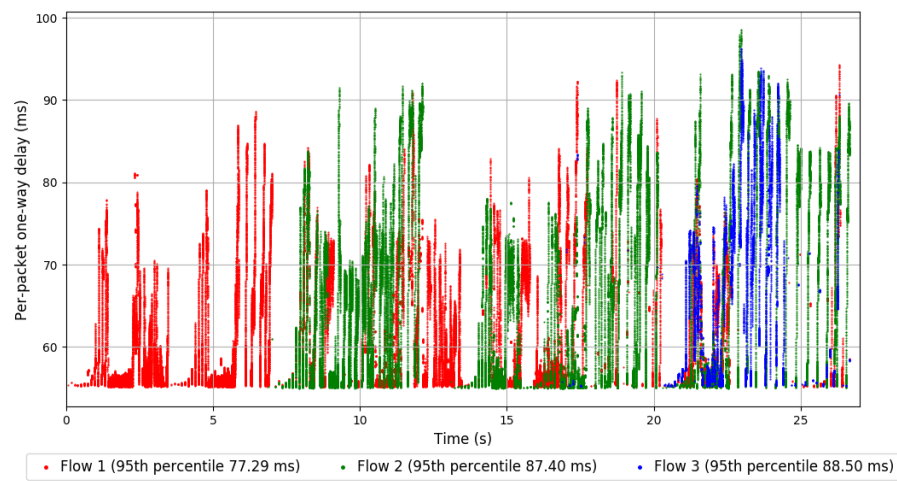
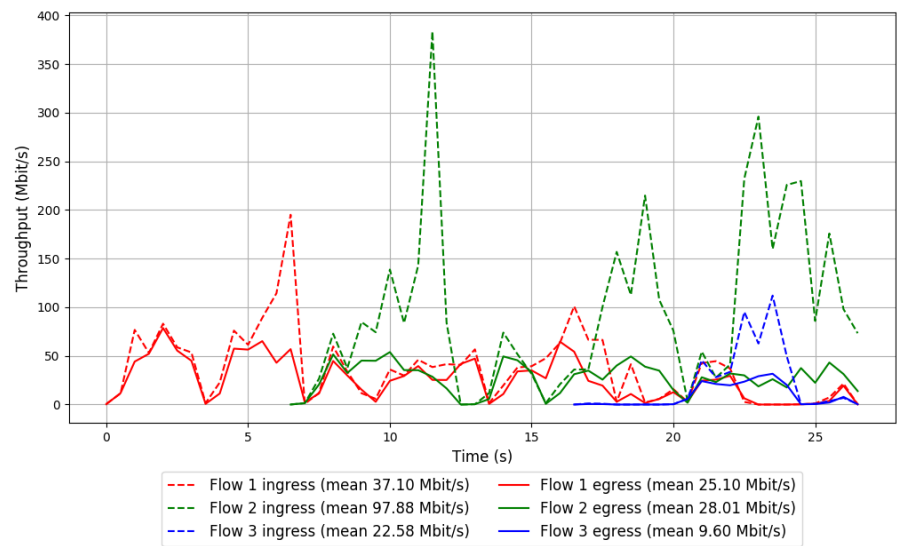
-- Flow 3:

Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: 88.500 ms

Loss rate: 57.99%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Mon, 10 Jul 2017 02:09:25 +0000

End at: Mon, 10 Jul 2017 02:09:55 +0000

Local clock offset: 0.406 ms

Remote clock offset: -2.555 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 81.416 ms

Loss rate: 69.29%

-- Flow 1:

Average throughput: 42.79 Mbit/s

95th percentile per-packet one-way delay: 81.454 ms

Loss rate: 73.56%

-- Flow 2:

Average throughput: 21.73 Mbit/s

95th percentile per-packet one-way delay: 81.067 ms

Loss rate: 42.11%

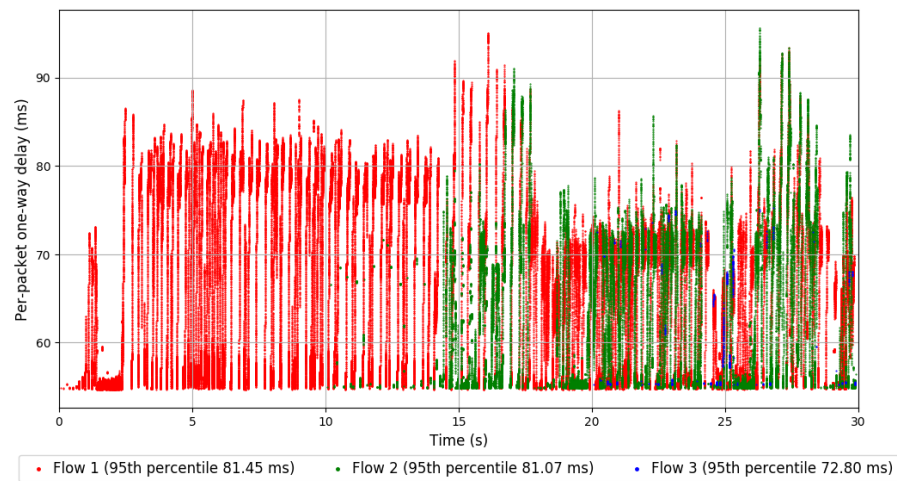
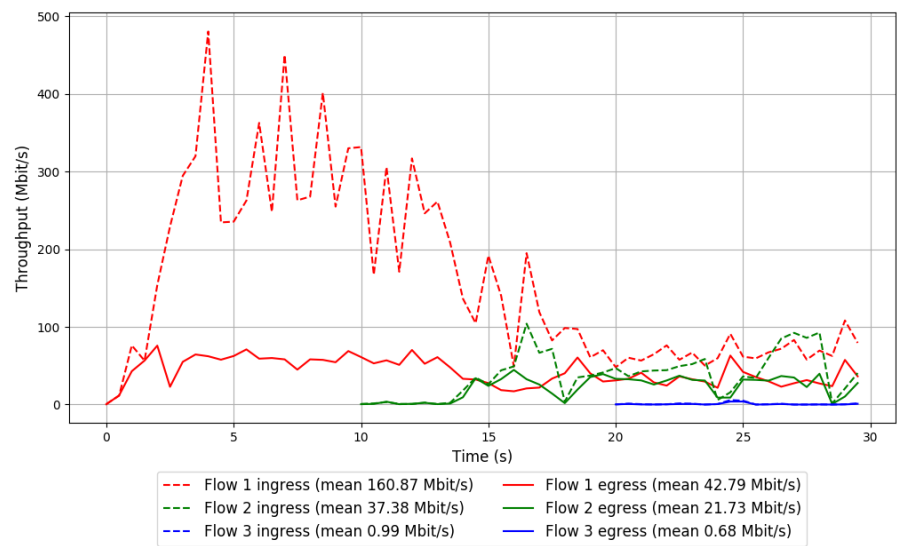
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 72.801 ms

Loss rate: 32.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:26:50 +0000

End at: Sun, 09 Jul 2017 23:27:20 +0000

Local clock offset: 0.521 ms

Remote clock offset: -4.695 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 54.316 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 53.649 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 54.878 ms

Loss rate: 0.62%

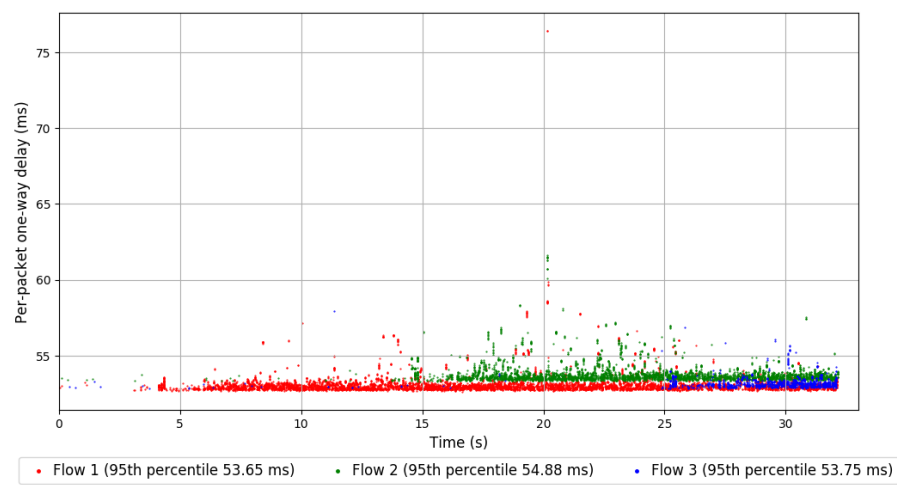
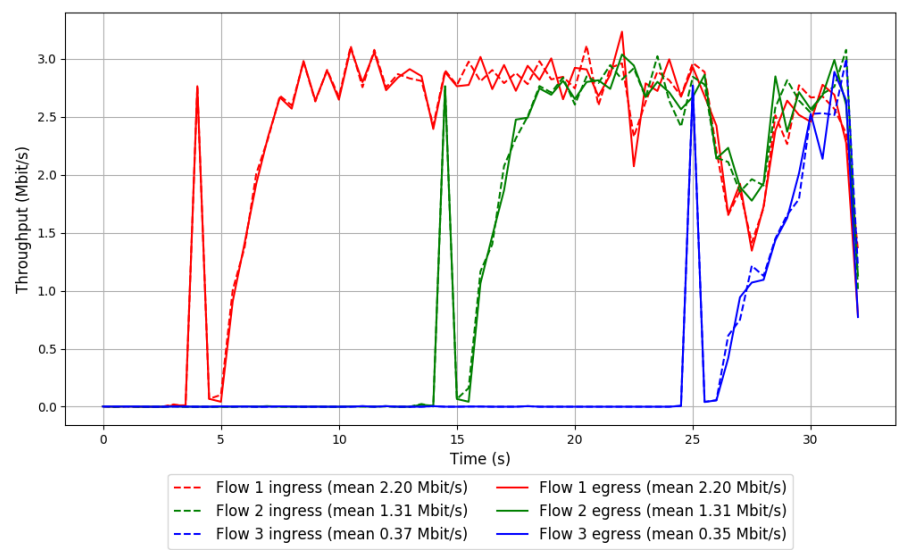
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 53.748 ms

Loss rate: 3.48%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:45:12 +0000

End at: Sun, 09 Jul 2017 23:45:42 +0000

Local clock offset: 0.489 ms

Remote clock offset: -4.927 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 54.311 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 54.036 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 54.823 ms

Loss rate: 0.50%

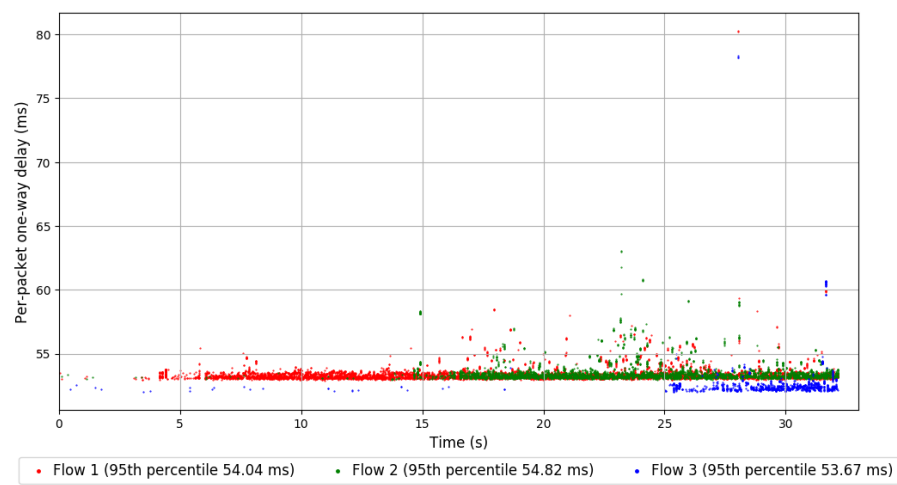
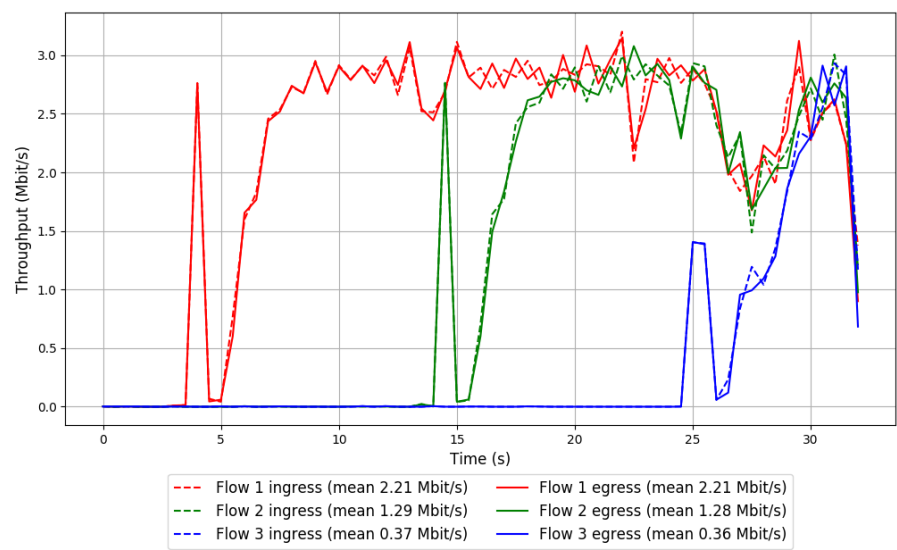
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 53.669 ms

Loss rate: 3.28%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:03:37 +0000

End at: Mon, 10 Jul 2017 00:04:07 +0000

Local clock offset: 0.53 ms

Remote clock offset: -5.234 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 53.658 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 53.517 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 53.693 ms

Loss rate: 1.06%

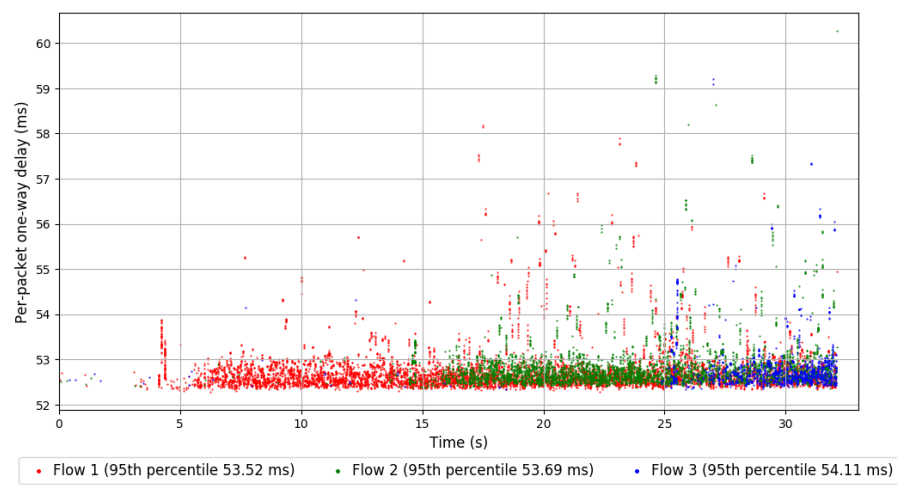
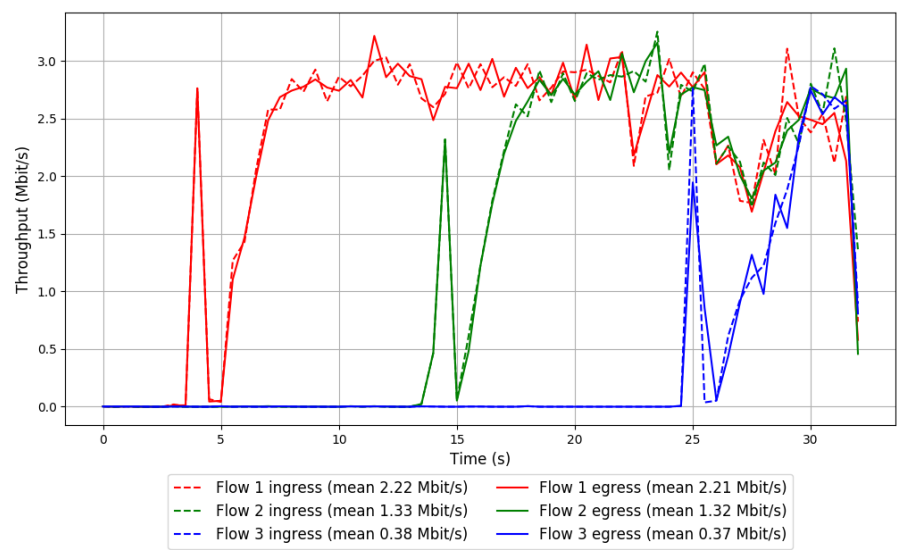
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 54.107 ms

Loss rate: 2.07%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:22:16 +0000

End at: Mon, 10 Jul 2017 00:22:46 +0000

Local clock offset: 0.551 ms

Remote clock offset: -4.984 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 53.948 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 53.870 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 53.991 ms

Loss rate: 0.59%

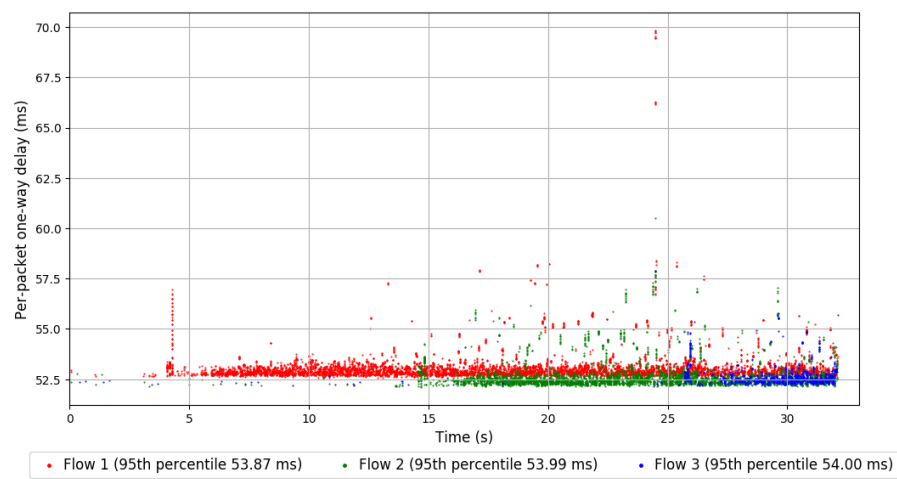
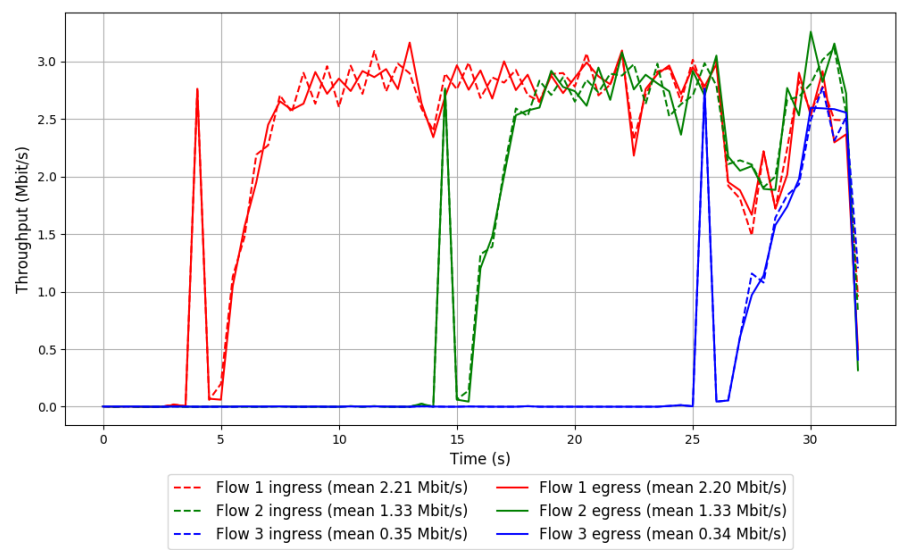
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 3.53%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:40:58 +0000

End at: Mon, 10 Jul 2017 00:41:28 +0000

Local clock offset: 0.438 ms

Remote clock offset: -4.642 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

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

Loss rate: 0.75%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 53.591 ms

Loss rate: 0.48%

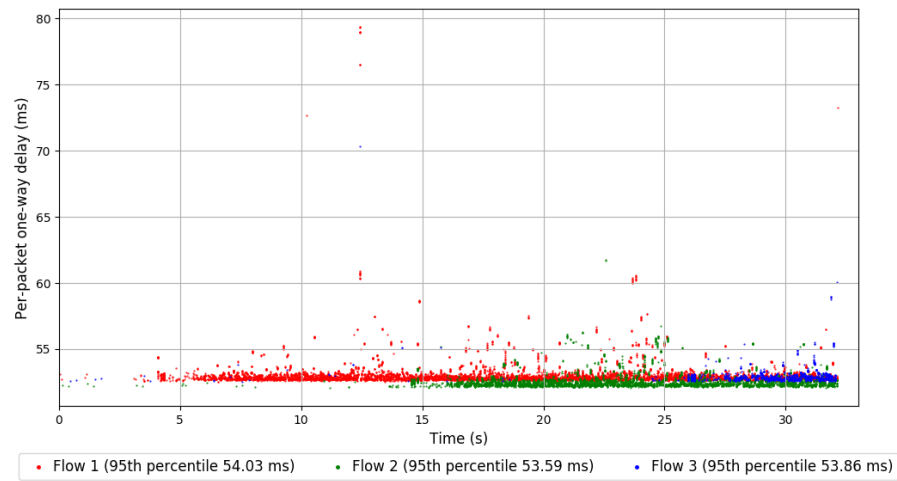
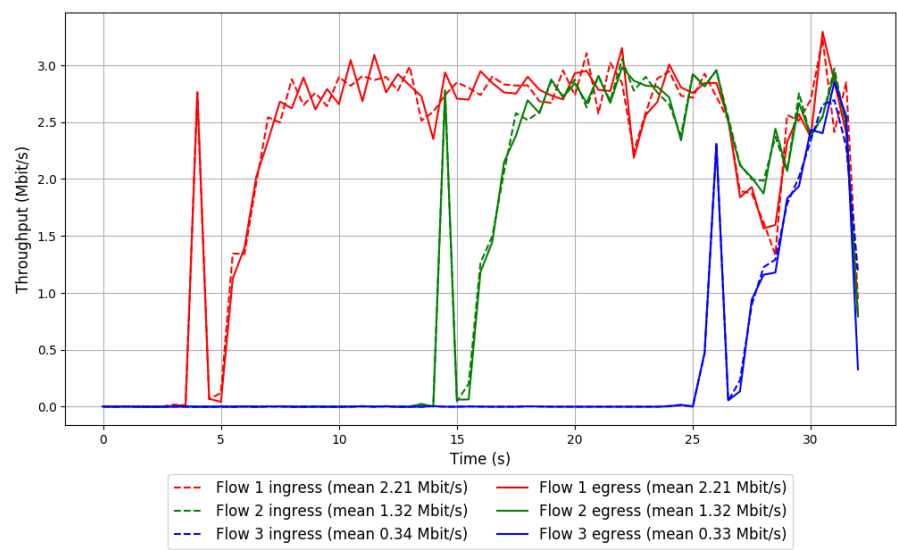
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.862 ms

Loss rate: 4.02%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 00:59:18 +0000

End at: Mon, 10 Jul 2017 00:59:48 +0000

Local clock offset: 0.453 ms

Remote clock offset: -4.689 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 54.327 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 54.316 ms

Loss rate: 0.57%

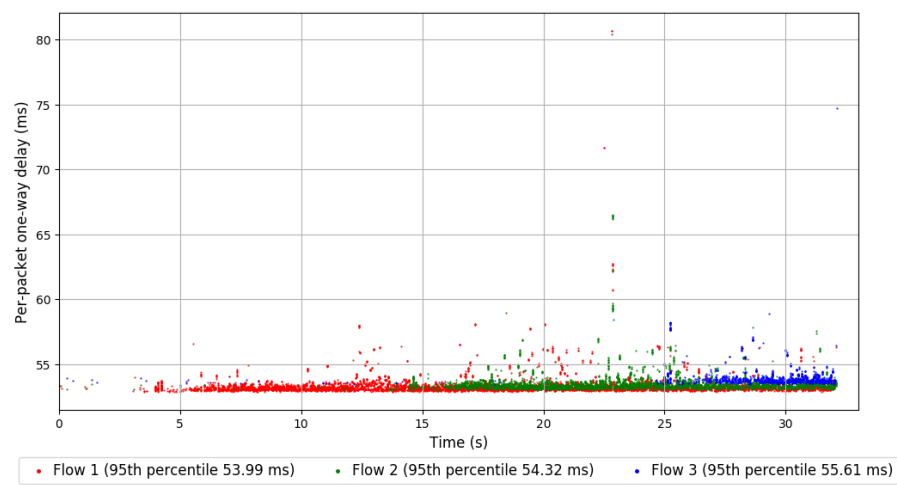
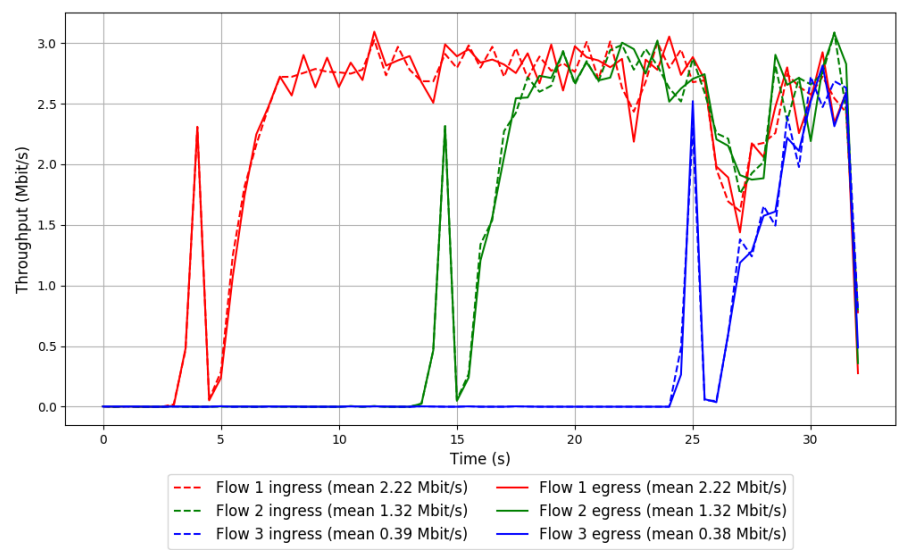
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 55.609 ms

Loss rate: 2.91%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 01:17:59 +0000

End at: Mon, 10 Jul 2017 01:18:29 +0000

Local clock offset: 0.395 ms

Remote clock offset: -3.304 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 55.416 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 55.089 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 55.690 ms

Loss rate: 0.50%

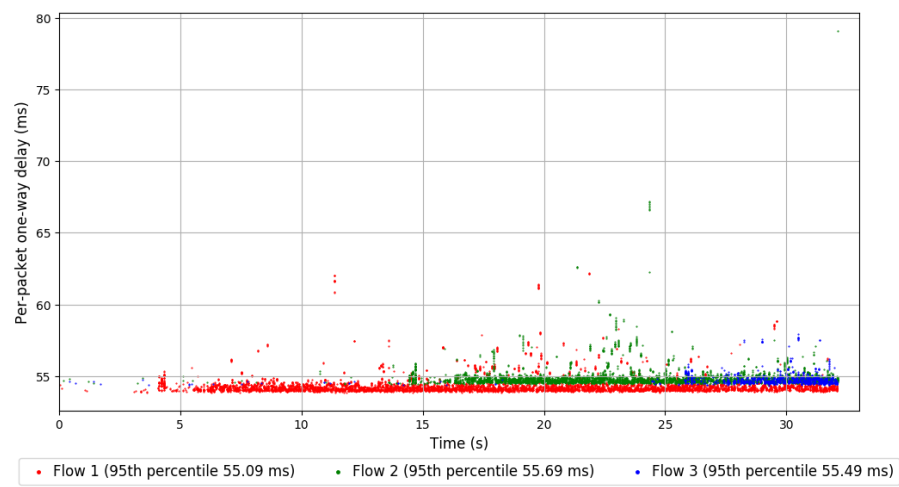
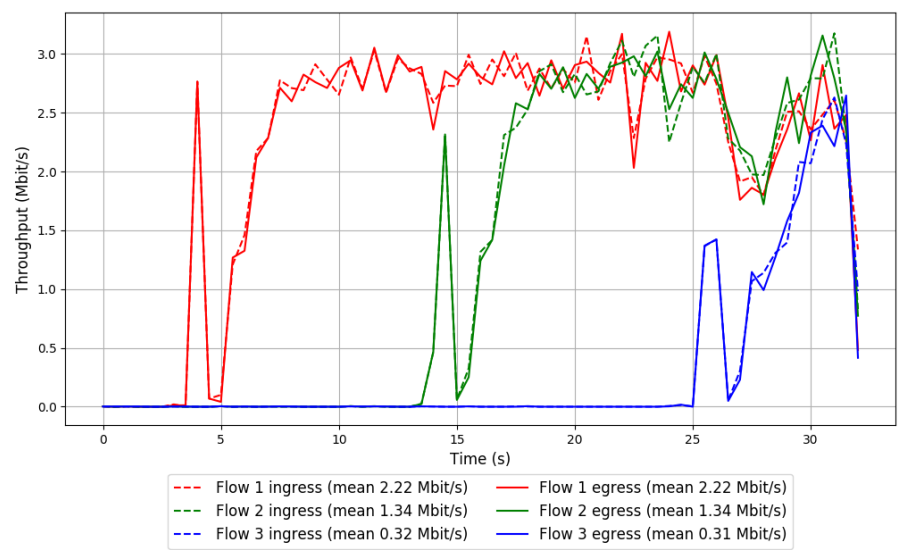
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 55.493 ms

Loss rate: 3.04%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 01:36:31 +0000

End at: Mon, 10 Jul 2017 01:37:01 +0000

Local clock offset: 0.396 ms

Remote clock offset: -3.124 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 56.034 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 56.336 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 55.350 ms

Loss rate: 0.72%

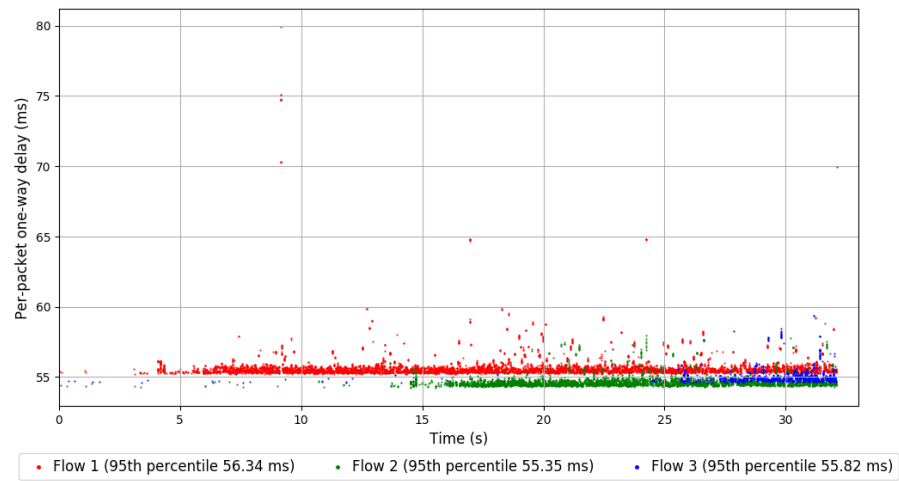
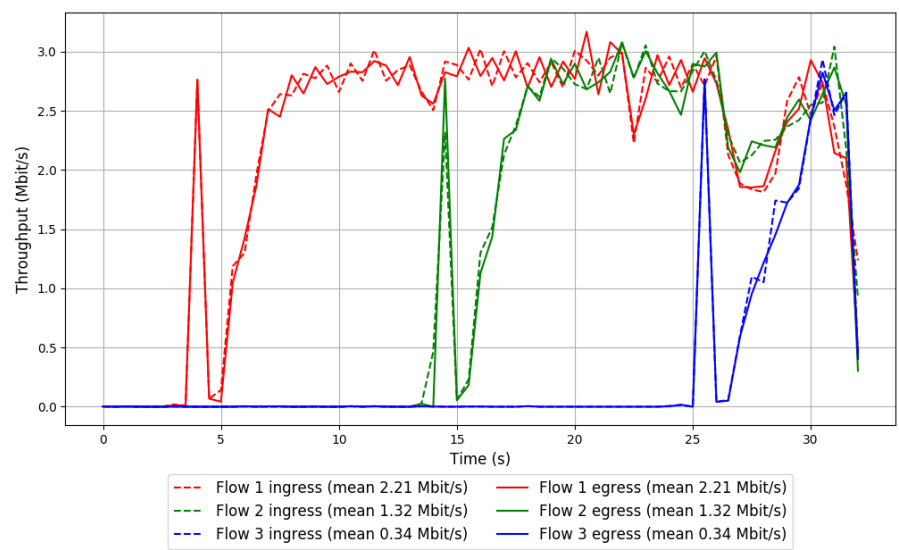
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 55.818 ms

Loss rate: 1.67%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 01:54:57 +0000

End at: Mon, 10 Jul 2017 01:55:27 +0000

Local clock offset: 0.38 ms

Remote clock offset: -1.976 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 56.326 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 56.239 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 56.303 ms

Loss rate: 0.88%

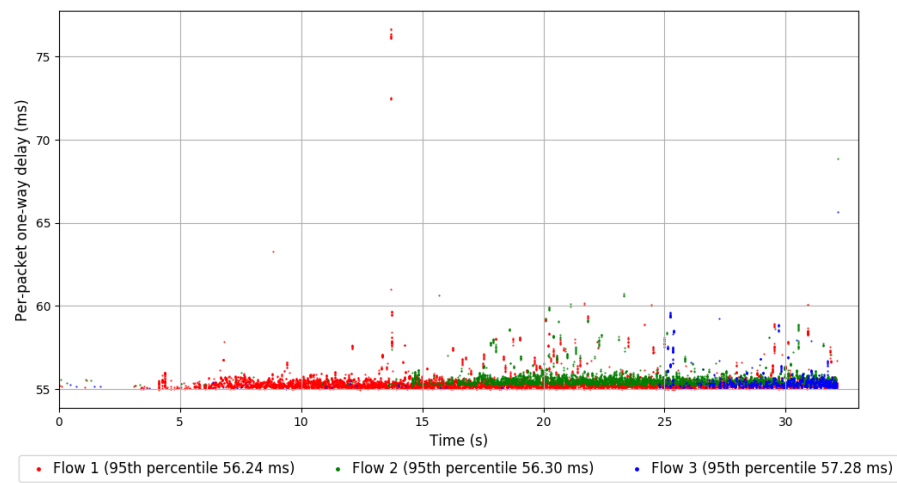
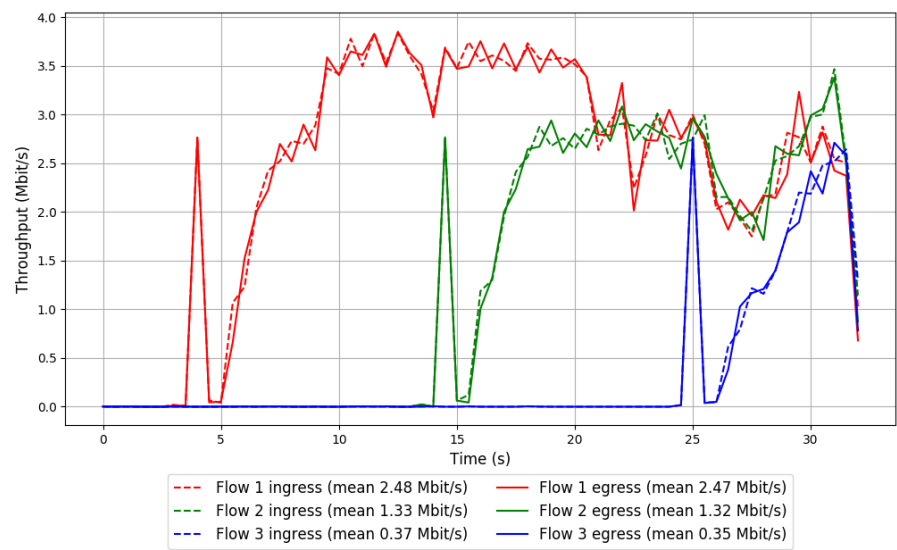
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 57.278 ms

Loss rate: 3.24%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Mon, 10 Jul 2017 02:13:23 +0000

End at: Mon, 10 Jul 2017 02:13:53 +0000

Local clock offset: 0.474 ms

Remote clock offset: -3.145 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 56.327 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 56.046 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 56.668 ms

Loss rate: 0.97%

-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 56.220 ms

Loss rate: 1.67%

Run 10: Report of WebRTC media — Data Link

