

Pantheon Summary (Generated at Mon, 10 Jul 2017 03:00:03 +0000 with pantheon version c3610718e2bbac84102e8ac47b889a75d4392d79)

Repeated the test of 15 congestion control schemes 10 times.

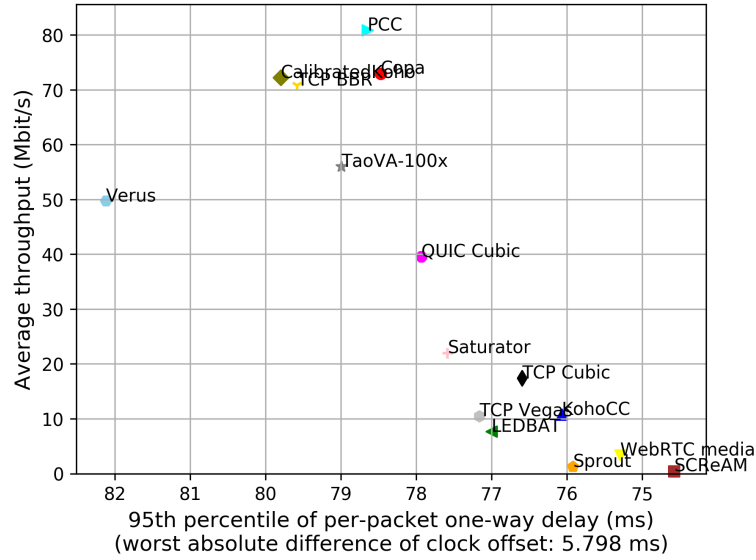
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** AWS Korea Ethernet **to** China Ethernet.

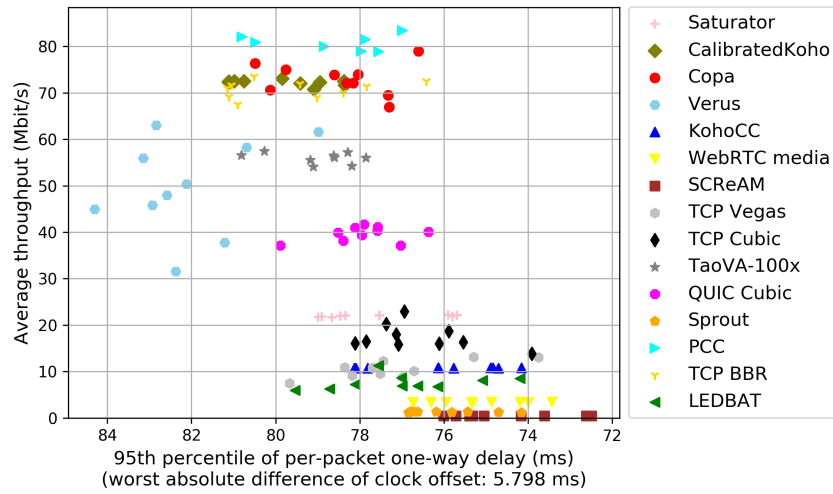
NTP offset measured against ntp.nict.jp.

```
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Korea Ethernet to China 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	44.21	30.23	19.98	79.14	79.35	79.14	9.38	11.86	16.10
CalibratedKoho	10	68.03	4.93	2.77	79.59	78.91	79.14	4.01	11.68	8.80
Copa	10	49.04	27.72	16.65	77.89	79.19	77.91	0.45	0.85	1.87
TCP Cubic	10	9.58	8.00	7.64	76.15	76.90	77.67	0.87	0.93	1.96
KohoCC	10	5.48	5.39	5.16	76.00	75.58	75.75	0.22	0.32	0.25
LEDBAT	10	4.62	3.42	2.39	77.00	77.14	75.66	0.40	0.48	0.26
PCC	10	66.71	13.56	15.73	78.61	78.84	78.60	3.47	4.08	5.36
QUIC Cubic	10	26.73	28.28	29.15	78.04	77.51	77.04	1.31	1.56	1.34
Saturator	10	11.12	11.04	10.72	77.00	77.34	78.27	0.53	0.60	1.04
SCReAM	10	0.22	0.22	0.22	73.34	73.70	73.67	0.01	0.00	0.00
Sprout	10	0.61	0.66	0.67	75.70	74.66	75.08	0.00	0.00	0.00
TaoVA-100x	10	48.86	5.94	10.02	78.92	78.62	79.12	6.82	7.11	8.78
TCP Vegas	10	5.70	4.76	4.93	76.61	77.04	77.98	0.89	1.40	1.84
Verus	10	38.85	13.03	10.06	81.70	81.22	82.04	73.12	60.77	64.45
WebRTC media	10	2.02	1.15	0.27	74.59	75.28	75.42	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 19:59:31 +0000

End at: Sun, 09 Jul 2017 20:00:01 +0000

Local clock offset: 0.637 ms

Remote clock offset: -4.791 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 81.153 ms

Loss rate: 9.70%

-- Flow 1:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 80.966 ms

Loss rate: 8.44%

-- Flow 2:

Average throughput: 33.03 Mbit/s

95th percentile per-packet one-way delay: 81.255 ms

Loss rate: 9.45%

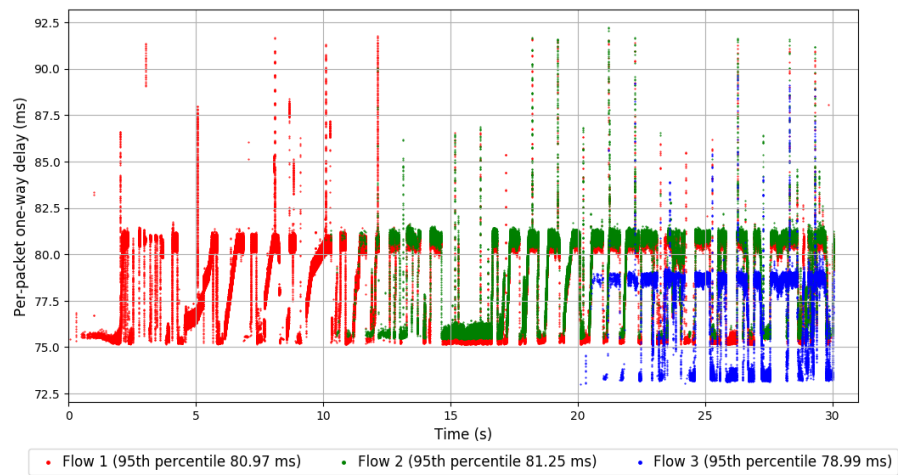
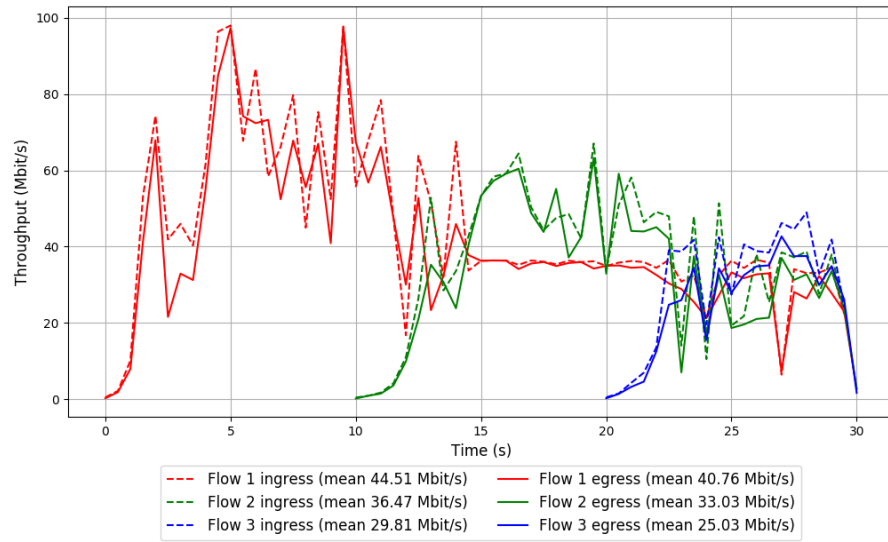
-- Flow 3:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 78.987 ms

Loss rate: 16.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:19:23 +0000

End at: Sun, 09 Jul 2017 20:19:53 +0000

Local clock offset: -0.509 ms

Remote clock offset: -4.792 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.64 Mbit/s

95th percentile per-packet one-way delay: 81.048 ms

Loss rate: 10.32%

-- Flow 1:

Average throughput: 46.24 Mbit/s

95th percentile per-packet one-way delay: 81.084 ms

Loss rate: 7.56%

-- Flow 2:

Average throughput: 27.40 Mbit/s

95th percentile per-packet one-way delay: 80.805 ms

Loss rate: 9.59%

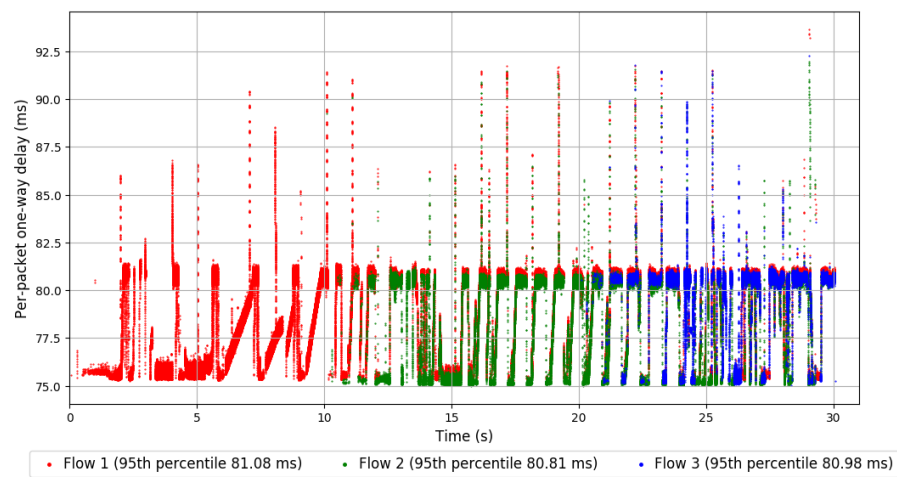
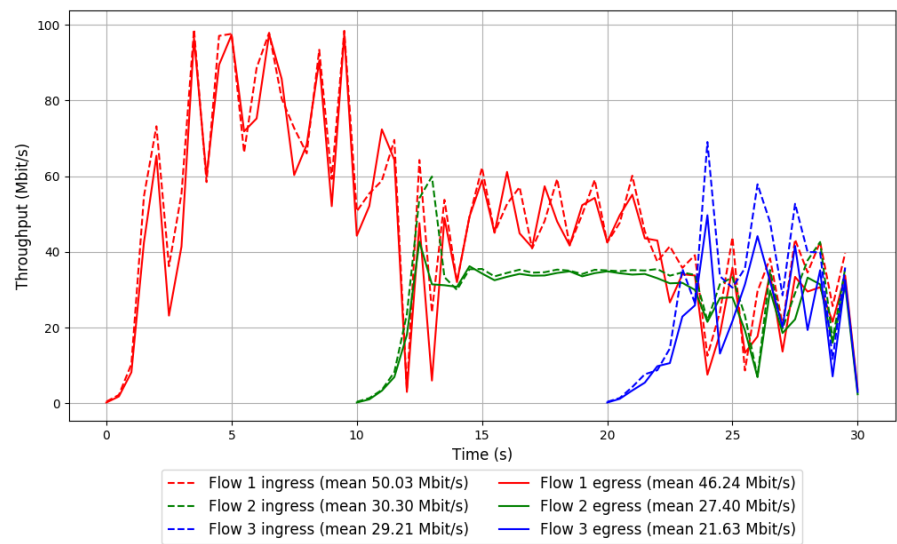
-- Flow 3:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 80.978 ms

Loss rate: 26.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:39:01 +0000

End at: Sun, 09 Jul 2017 20:39:31 +0000

Local clock offset: -0.529 ms

Remote clock offset: -4.951 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 81.112 ms

Loss rate: 11.85%

-- Flow 1:

Average throughput: 44.95 Mbit/s

95th percentile per-packet one-way delay: 81.003 ms

Loss rate: 11.32%

-- Flow 2:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 81.046 ms

Loss rate: 12.36%

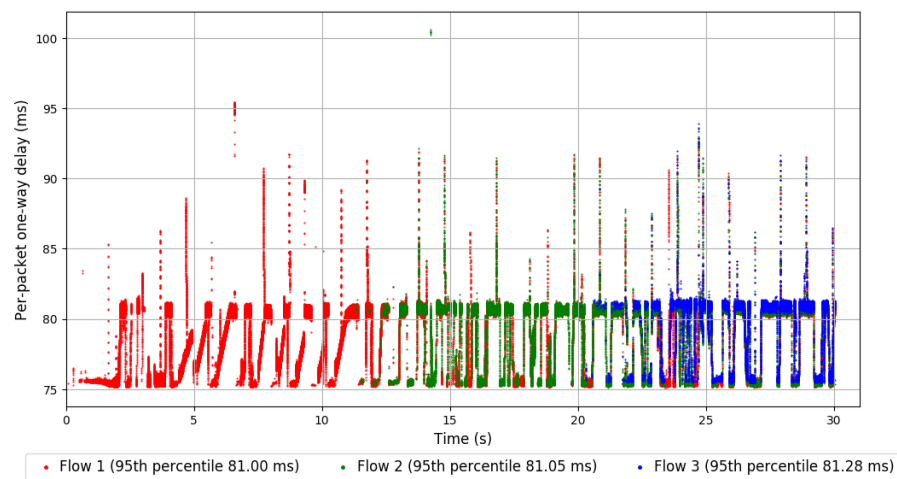
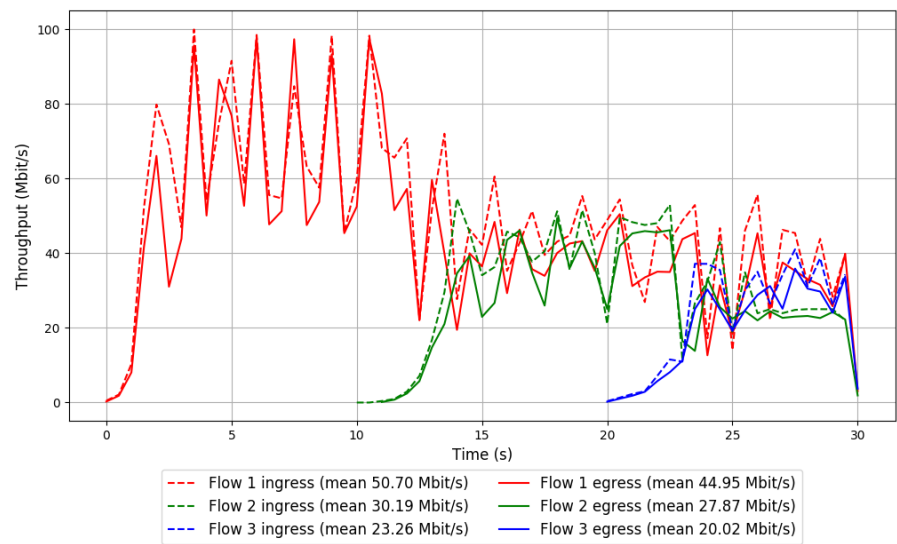
-- Flow 3:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 81.279 ms

Loss rate: 13.99%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 20:58:51 +0000

End at: Sun, 09 Jul 2017 20:59:21 +0000

Local clock offset: -0.487 ms

Remote clock offset: -4.873 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.54 Mbit/s

95th percentile per-packet one-way delay: 80.899 ms

Loss rate: 13.54%

-- Flow 1:

Average throughput: 41.70 Mbit/s

95th percentile per-packet one-way delay: 78.762 ms

Loss rate: 11.23%

-- Flow 2:

Average throughput: 28.73 Mbit/s

95th percentile per-packet one-way delay: 80.955 ms

Loss rate: 15.90%

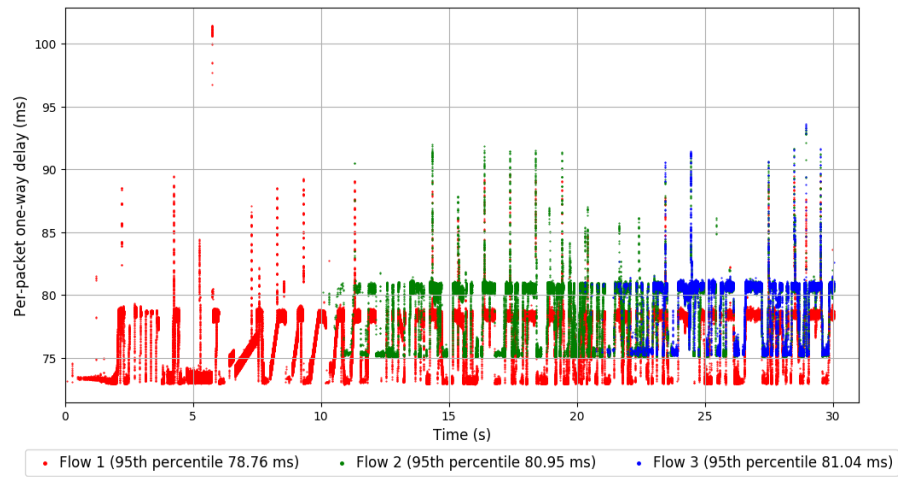
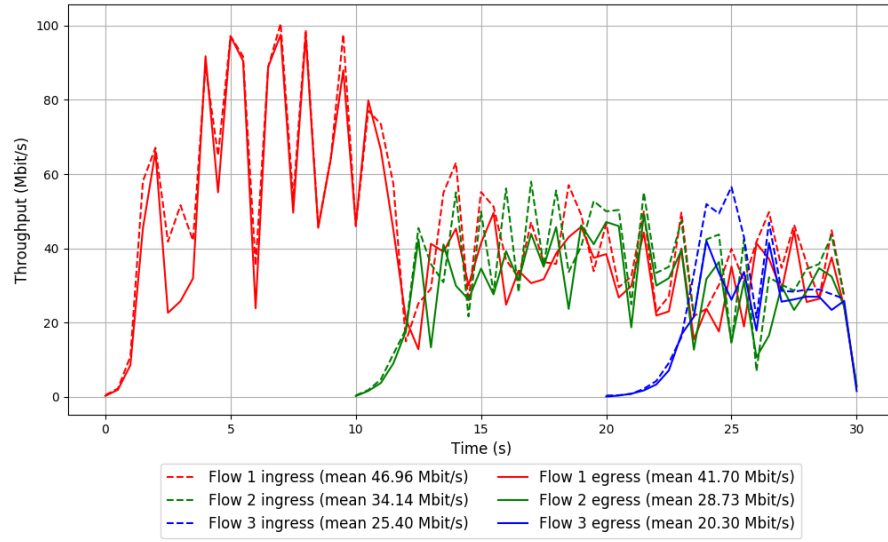
-- Flow 3:

Average throughput: 20.30 Mbit/s

95th percentile per-packet one-way delay: 81.044 ms

Loss rate: 20.11%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:18:23 +0000

End at: Sun, 09 Jul 2017 21:18:53 +0000

Local clock offset: 0.866 ms

Remote clock offset: -4.217 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 80.515 ms

Loss rate: 11.19%

-- Flow 1:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 80.539 ms

Loss rate: 8.25%

-- Flow 2:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 80.501 ms

Loss rate: 12.91%

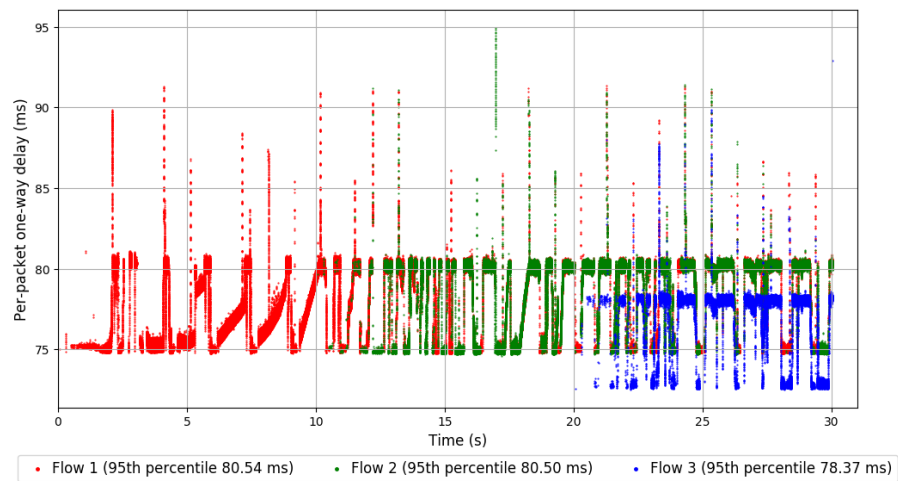
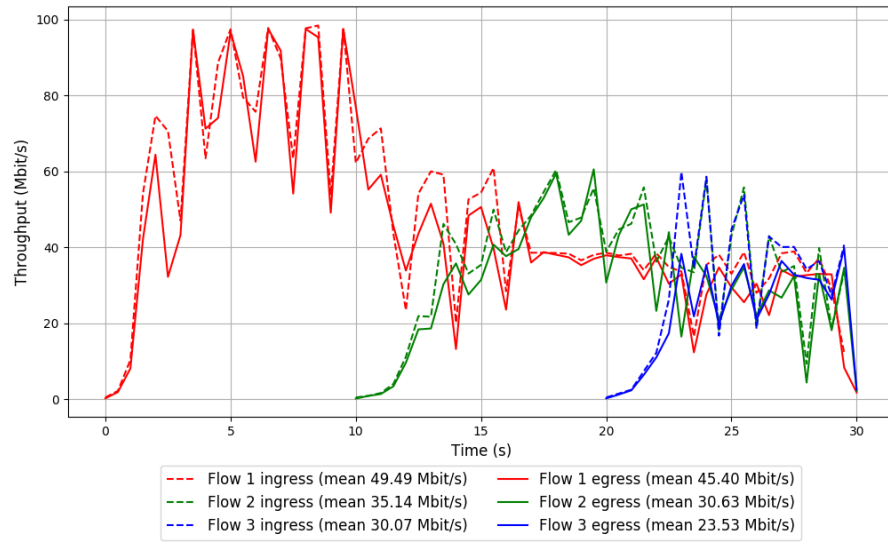
-- Flow 3:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 78.372 ms

Loss rate: 21.69%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:38:06 +0000

End at: Sun, 09 Jul 2017 21:38:36 +0000

Local clock offset: -0.187 ms

Remote clock offset: -3.812 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 78.390 ms

Loss rate: 10.88%

-- Flow 1:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 78.431 ms

Loss rate: 10.89%

-- Flow 2:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 78.140 ms

Loss rate: 11.23%

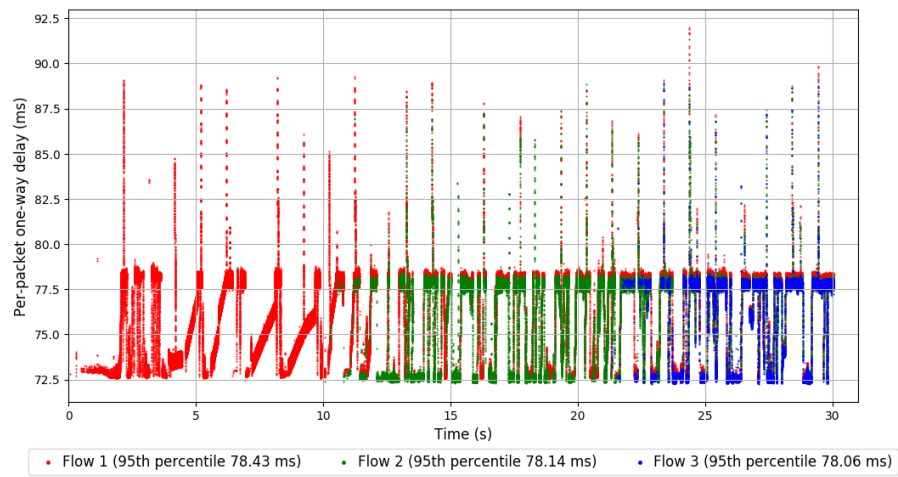
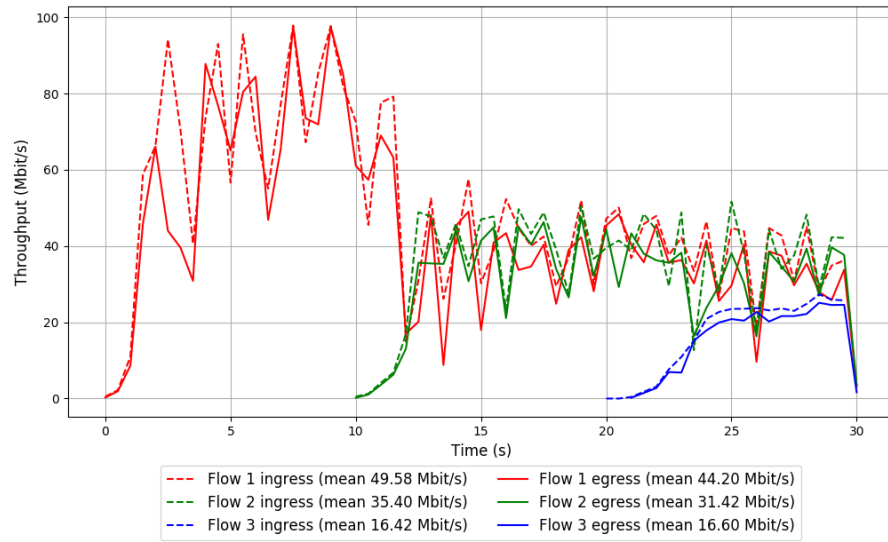
-- Flow 3:

Average throughput: 16.60 Mbit/s

95th percentile per-packet one-way delay: 78.055 ms

Loss rate: 9.28%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 21:57:48 +0000

End at: Sun, 09 Jul 2017 21:58:18 +0000

Local clock offset: -0.096 ms

Remote clock offset: -3.323 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.45 Mbit/s

95th percentile per-packet one-way delay: 77.842 ms

Loss rate: 9.67%

-- Flow 1:

Average throughput: 42.47 Mbit/s

95th percentile per-packet one-way delay: 77.667 ms

Loss rate: 7.20%

-- Flow 2:

Average throughput: 33.12 Mbit/s

95th percentile per-packet one-way delay: 77.939 ms

Loss rate: 13.11%

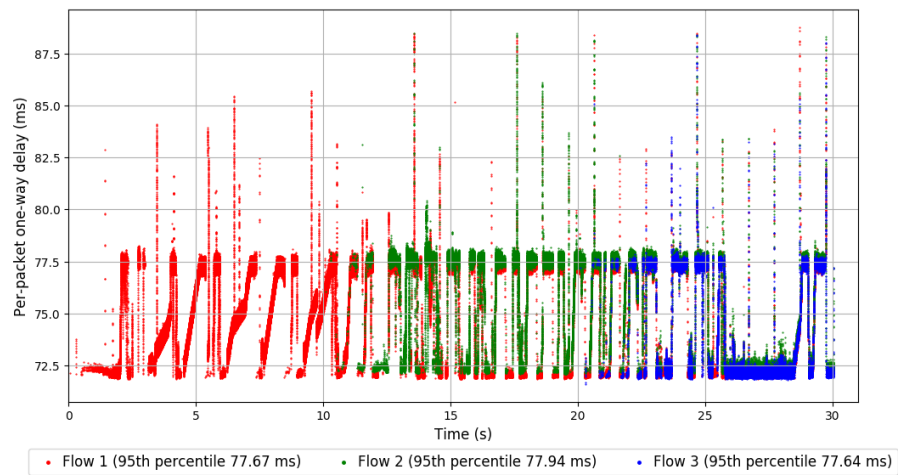
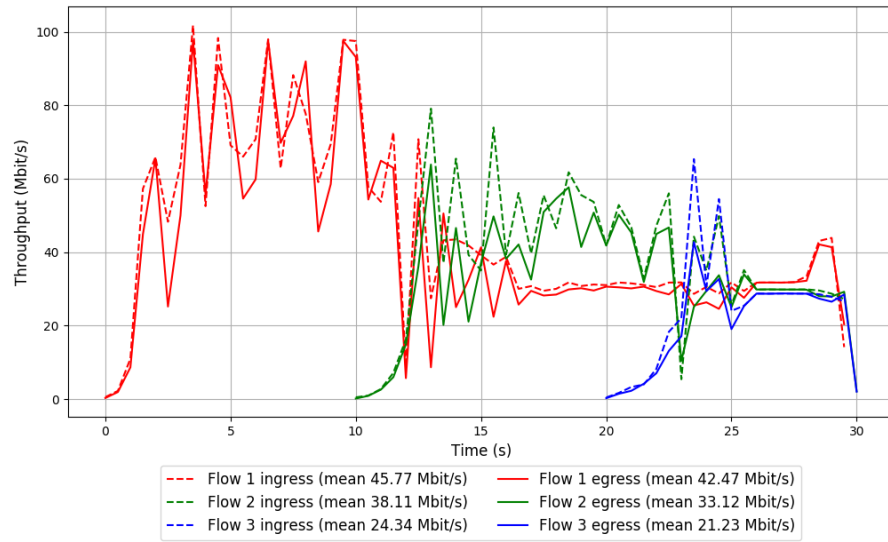
-- Flow 3:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 77.640 ms

Loss rate: 12.80%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:17:31 +0000

End at: Sun, 09 Jul 2017 22:18:01 +0000

Local clock offset: -0.004 ms

Remote clock offset: -2.933 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:52:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 79.425 ms

Loss rate: 10.40%

-- Flow 1:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 77.552 ms

Loss rate: 10.13%

-- Flow 2:

Average throughput: 30.55 Mbit/s

95th percentile per-packet one-way delay: 77.548 ms

Loss rate: 9.44%

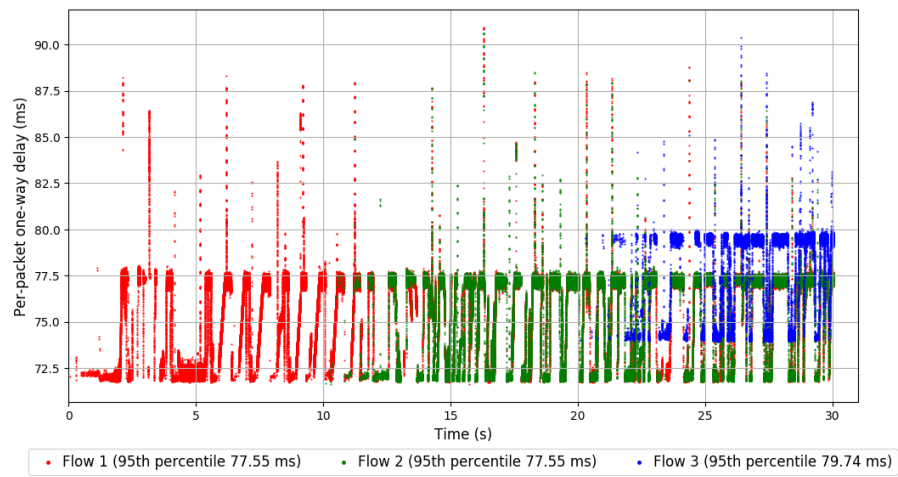
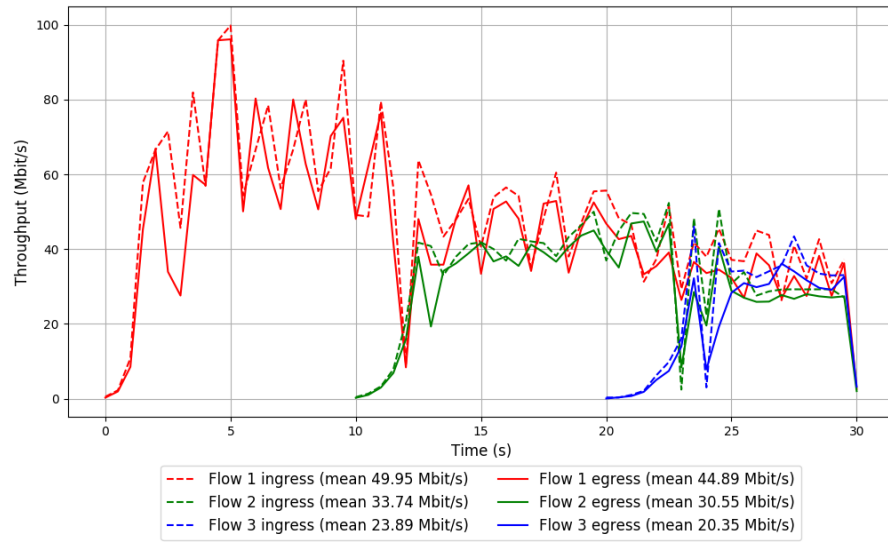
-- Flow 3:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 79.743 ms

Loss rate: 14.89%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:37:13 +0000

End at: Sun, 09 Jul 2017 22:37:43 +0000

Local clock offset: 1.043 ms

Remote clock offset: -2.442 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 79.014 ms

Loss rate: 9.87%

-- Flow 1:

Average throughput: 44.45 Mbit/s

95th percentile per-packet one-way delay: 78.995 ms

Loss rate: 9.27%

-- Flow 2:

Average throughput: 29.96 Mbit/s

95th percentile per-packet one-way delay: 78.906 ms

Loss rate: 11.61%

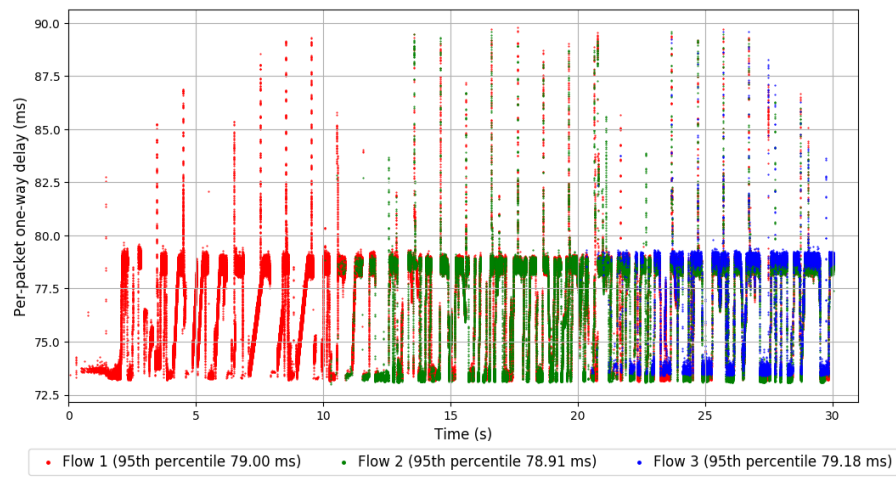
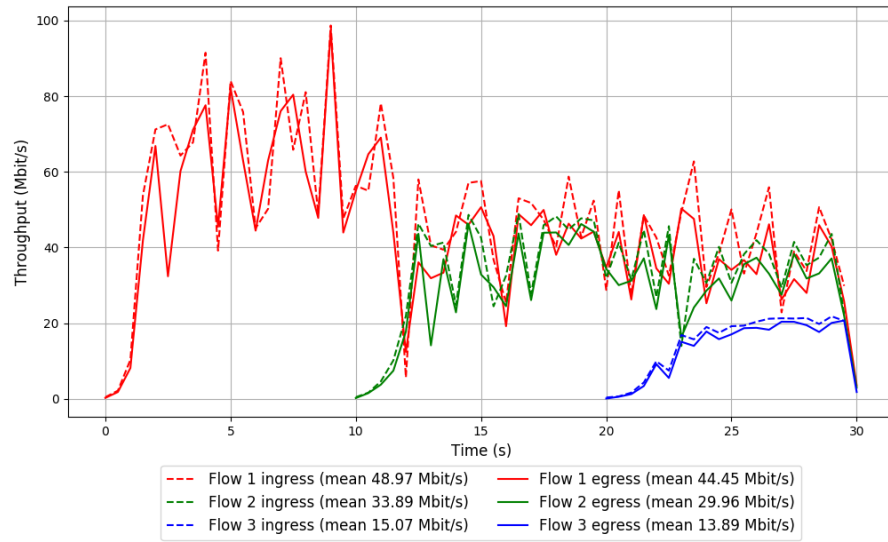
-- Flow 3:

Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 79.179 ms

Loss rate: 7.91%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 22:57:10 +0000

End at: Sun, 09 Jul 2017 22:57:40 +0000

Local clock offset: -0.1 ms

Remote clock offset: -1.898 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.53 Mbit/s

95th percentile per-packet one-way delay: 76.419 ms

Loss rate: 11.22%

-- Flow 1:

Average throughput: 47.07 Mbit/s

95th percentile per-packet one-way delay: 76.449 ms

Loss rate: 9.49%

-- Flow 2:

Average throughput: 29.62 Mbit/s

95th percentile per-packet one-way delay: 76.380 ms

Loss rate: 12.97%

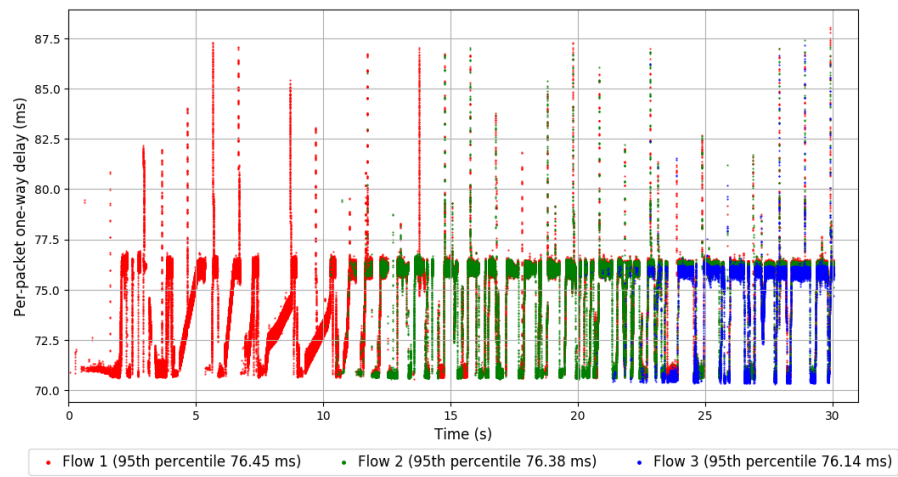
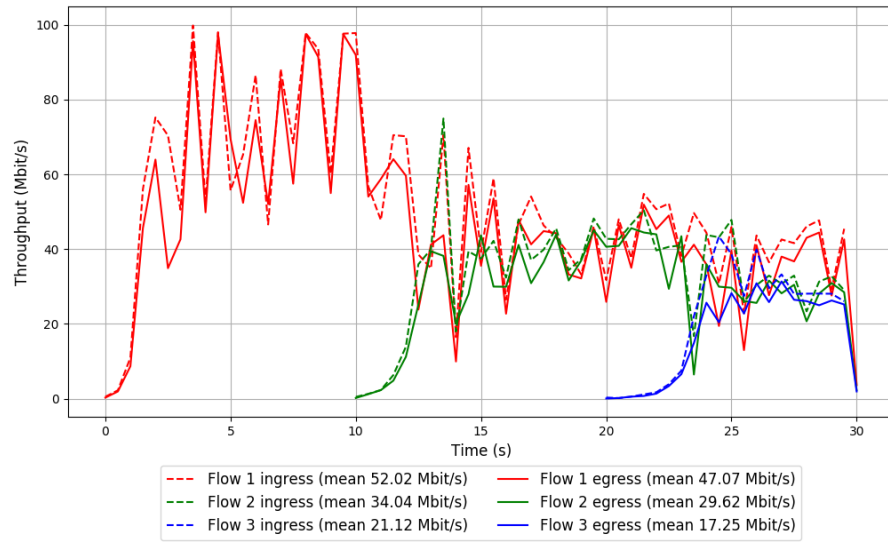
-- Flow 3:

Average throughput: 17.25 Mbit/s

95th percentile per-packet one-way delay: 76.142 ms

Loss rate: 18.32%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:00:56 +0000

End at: Sun, 09 Jul 2017 20:01:26 +0000

Local clock offset: 0.938 ms

Remote clock offset: -4.824 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.32 Mbit/s

95th percentile per-packet one-way delay: 78.947 ms

Loss rate: 4.85%

-- Flow 1:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 78.937 ms

Loss rate: 4.81%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 81.202 ms

Loss rate: 12.18%

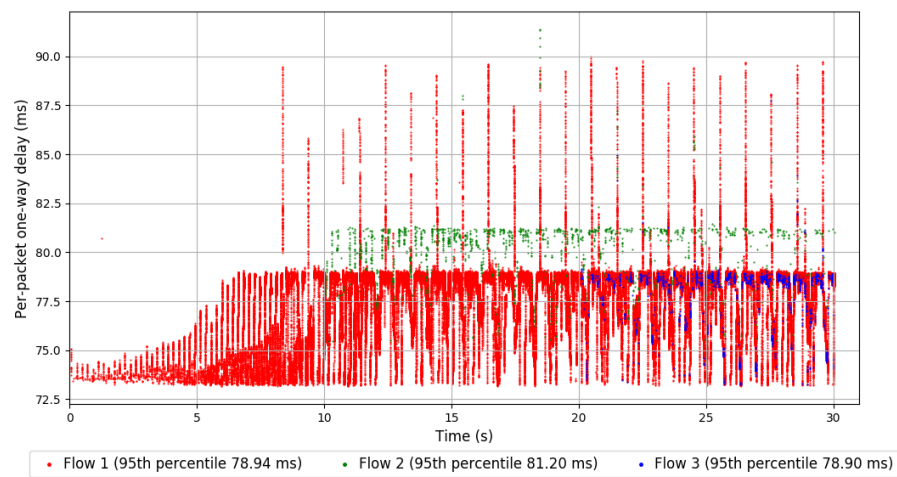
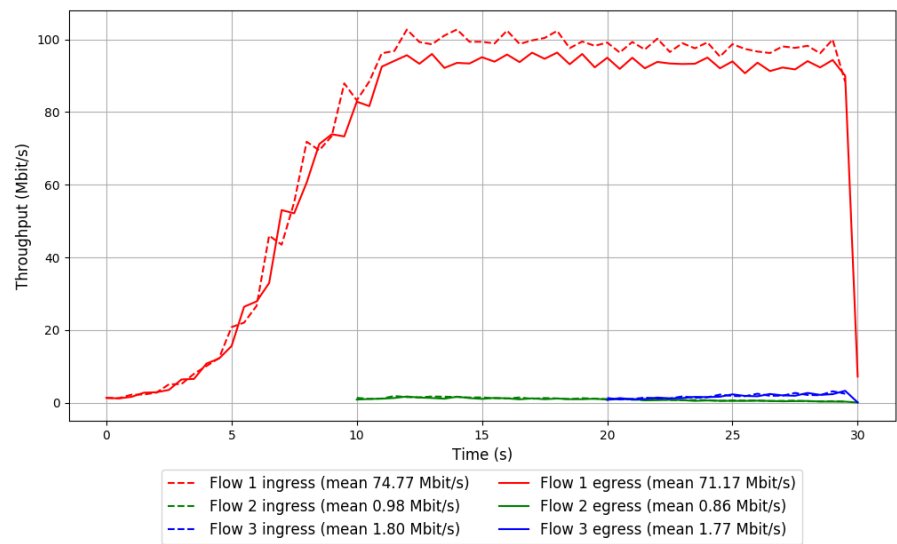
-- Flow 3:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 78.897 ms

Loss rate: 2.01%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

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

End at: Sun, 09 Jul 2017 20:21:16 +0000

Local clock offset: -0.477 ms

Remote clock offset: -4.804 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.26 Mbit/s

95th percentile per-packet one-way delay: 81.111 ms

Loss rate: 4.26%

-- Flow 1:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 81.114 ms

Loss rate: 3.90%

-- Flow 2:

Average throughput: 3.75 Mbit/s

95th percentile per-packet one-way delay: 78.699 ms

Loss rate: 11.64%

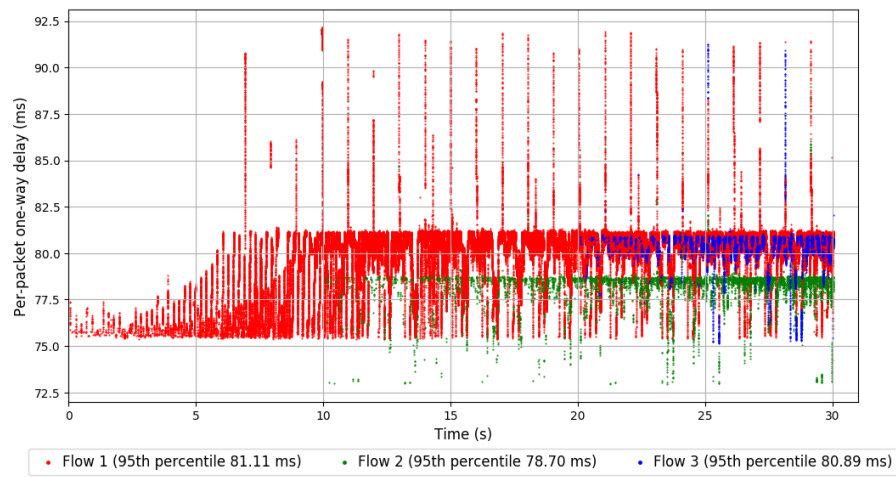
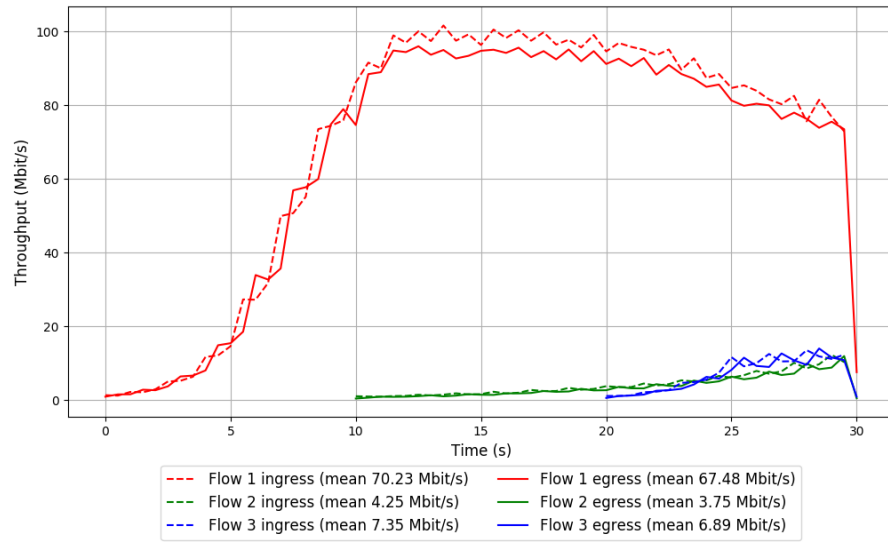
-- Flow 3:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 80.891 ms

Loss rate: 6.30%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 20:40:24 +0000

End at: Sun, 09 Jul 2017 20:40:54 +0000

Local clock offset: -0.51 ms

Remote clock offset: -4.965 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.50 Mbit/s

95th percentile per-packet one-way delay: 80.984 ms

Loss rate: 4.20%

-- Flow 1:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 80.985 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 79.090 ms

Loss rate: 18.29%

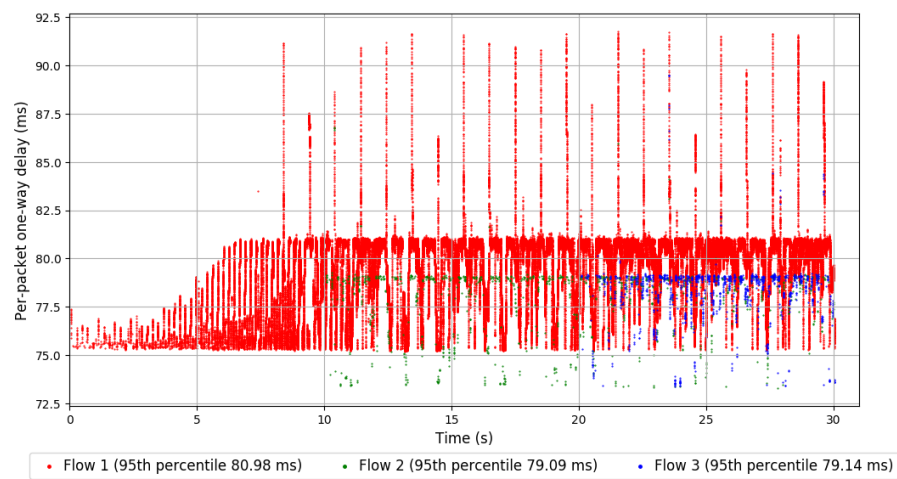
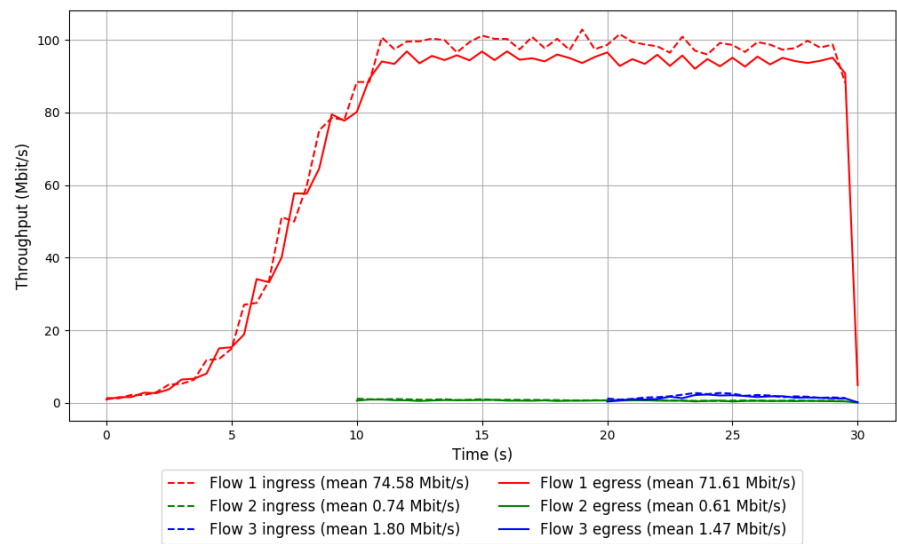
-- Flow 3:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 79.140 ms

Loss rate: 18.31%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:00:14 +0000

End at: Sun, 09 Jul 2017 21:00:44 +0000

Local clock offset: 0.715 ms

Remote clock offset: -4.796 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 81.118 ms

Loss rate: 4.41%

-- Flow 1:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 81.117 ms

Loss rate: 4.13%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 78.744 ms

Loss rate: 13.13%

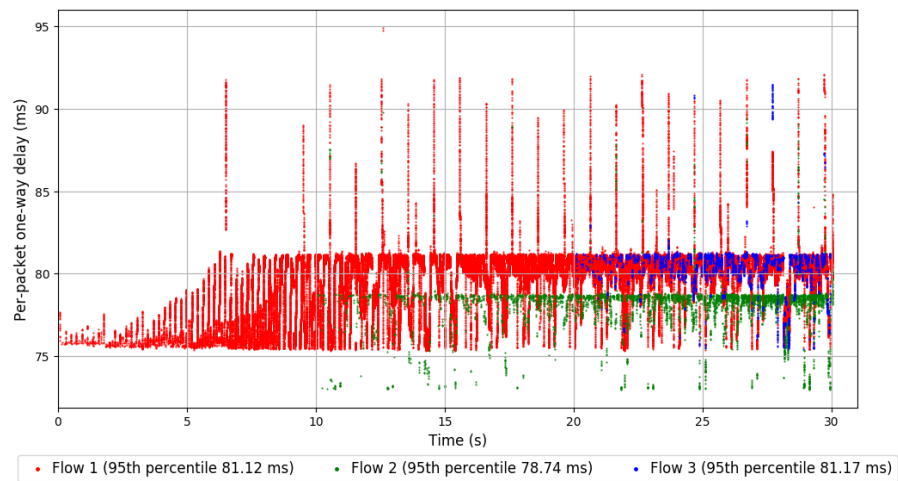
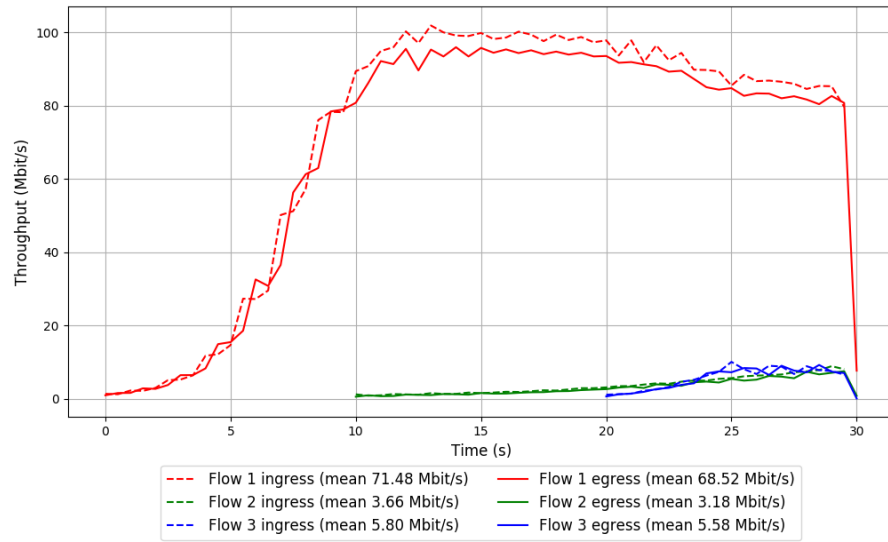
-- Flow 3:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 81.171 ms

Loss rate: 3.72%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:19:46 +0000

End at: Sun, 09 Jul 2017 21:20:16 +0000

Local clock offset: -0.429 ms

Remote clock offset: -4.124 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 80.757 ms

Loss rate: 3.40%

-- Flow 1:

Average throughput: 71.81 Mbit/s

95th percentile per-packet one-way delay: 80.757 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 78.300 ms

Loss rate: 19.03%

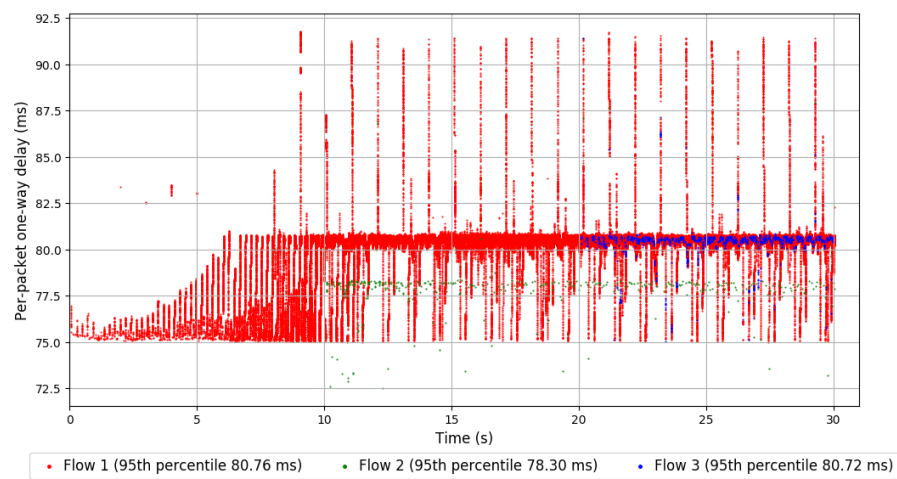
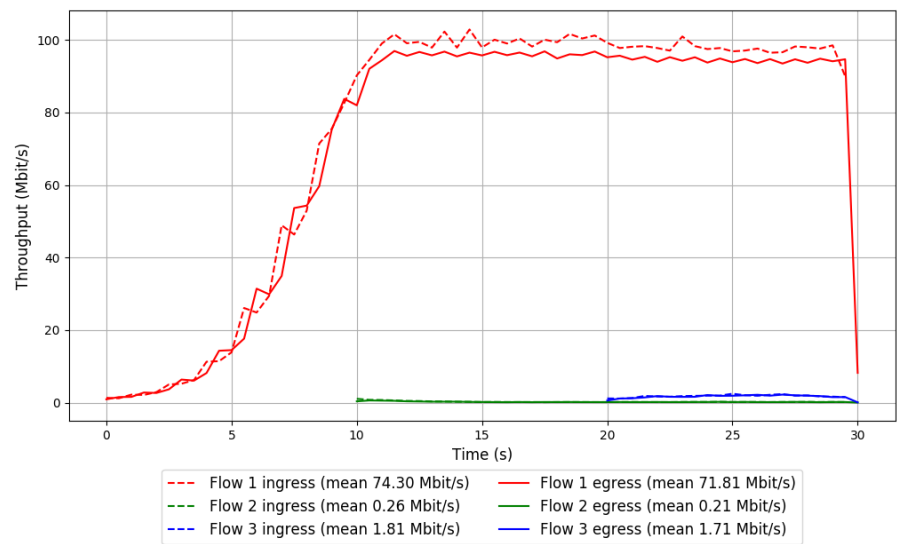
-- Flow 3:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 80.717 ms

Loss rate: 5.48%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:39:29 +0000

End at: Sun, 09 Jul 2017 21:39:59 +0000

Local clock offset: -0.076 ms

Remote clock offset: -3.791 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 78.356 ms

Loss rate: 4.11%

-- Flow 1:

Average throughput: 69.14 Mbit/s

95th percentile per-packet one-way delay: 78.325 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 80.278 ms

Loss rate: 6.96%

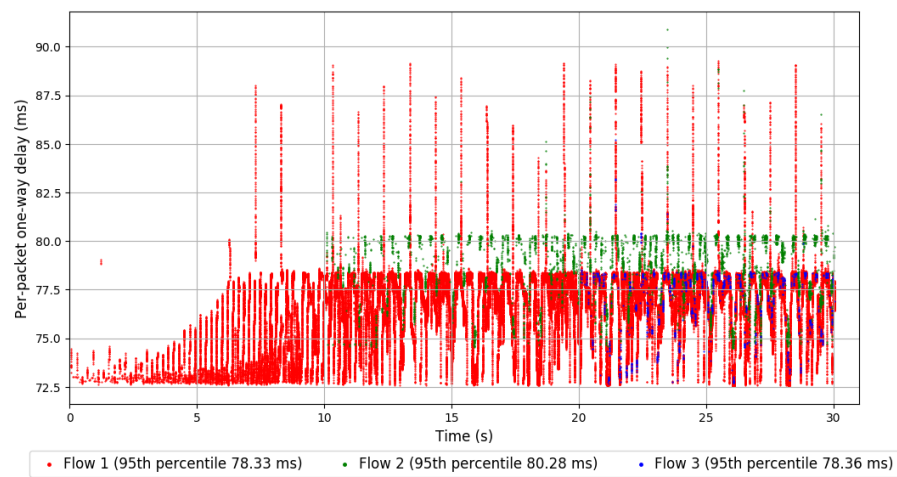
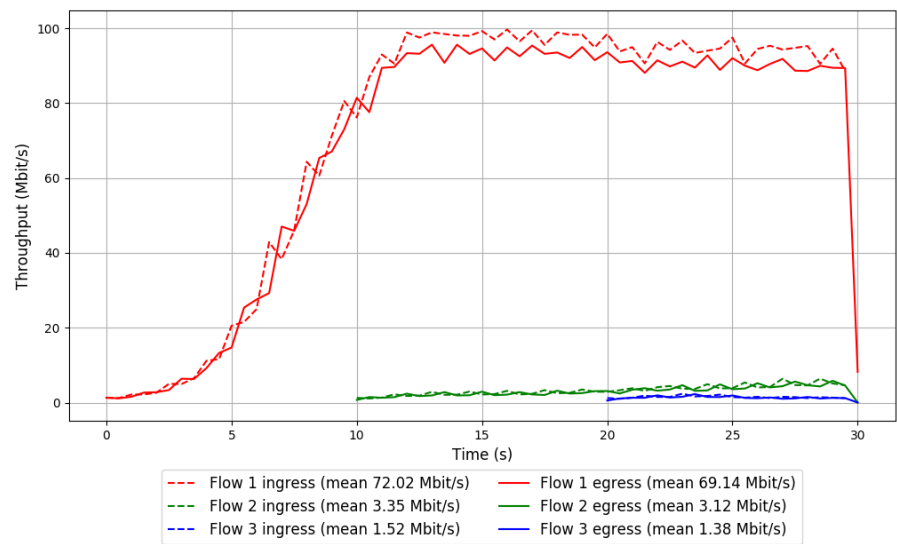
-- Flow 3:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 78.356 ms

Loss rate: 9.15%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 21:59:11 +0000

End at: Sun, 09 Jul 2017 21:59:41 +0000

Local clock offset: 1.134 ms

Remote clock offset: -3.251 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.07 Mbit/s

95th percentile per-packet one-way delay: 79.845 ms

Loss rate: 4.13%

-- Flow 1:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 79.839 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 80.107 ms

Loss rate: 4.18%

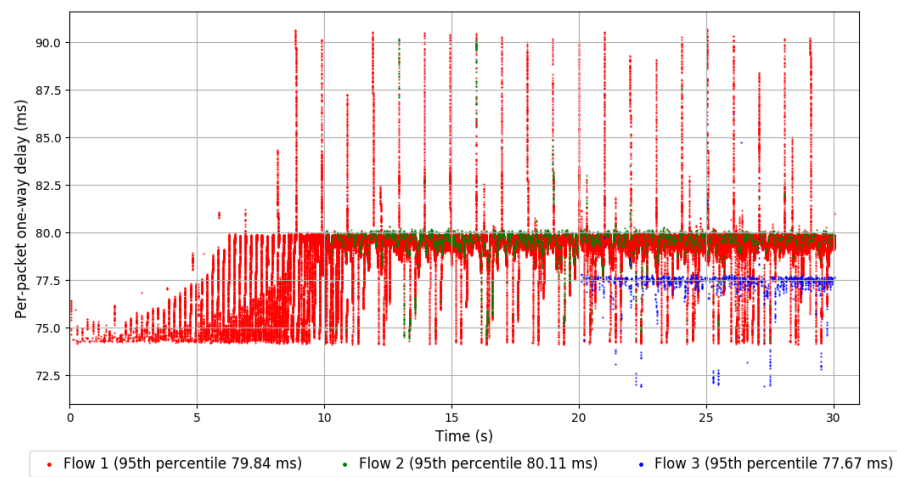
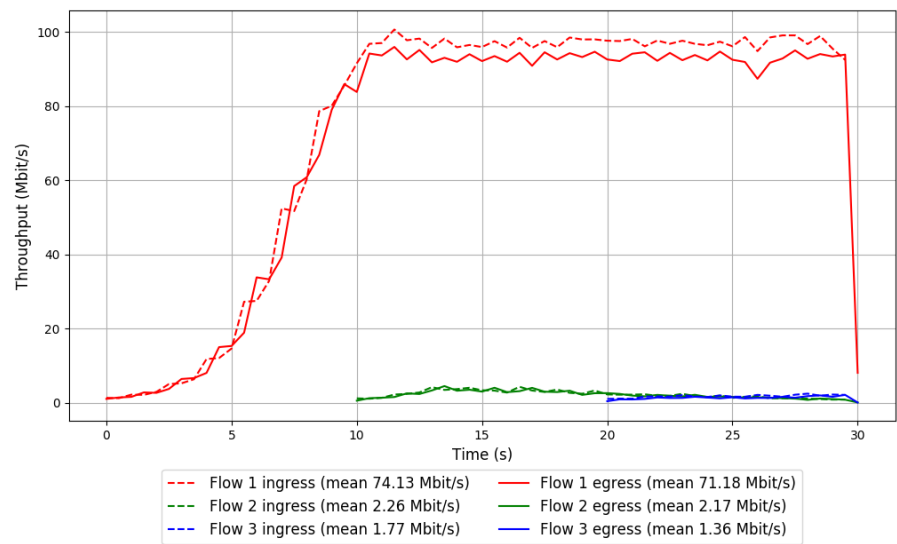
-- Flow 3:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 77.670 ms

Loss rate: 23.09%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:18:54 +0000

End at: Sun, 09 Jul 2017 22:19:24 +0000

Local clock offset: -0.068 ms

Remote clock offset: -2.889 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.08 Mbit/s

95th percentile per-packet one-way delay: 79.412 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 79.413 ms

Loss rate: 3.88%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 77.479 ms

Loss rate: 11.37%

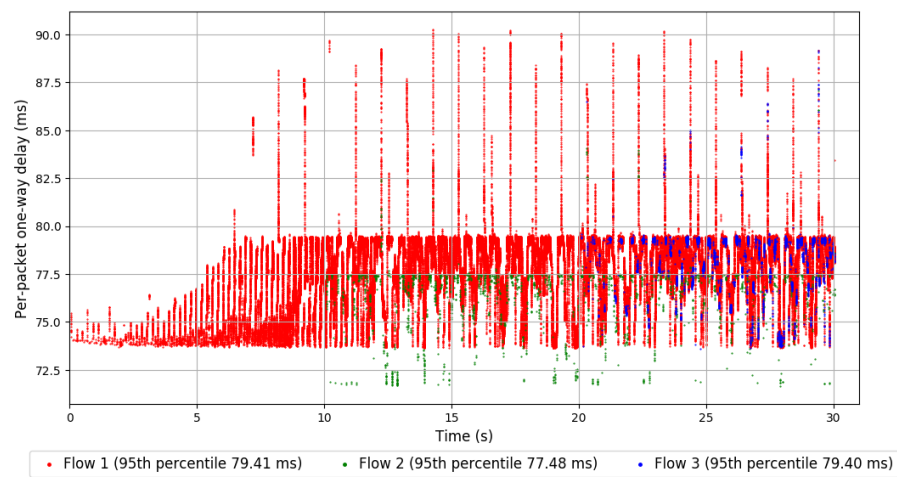
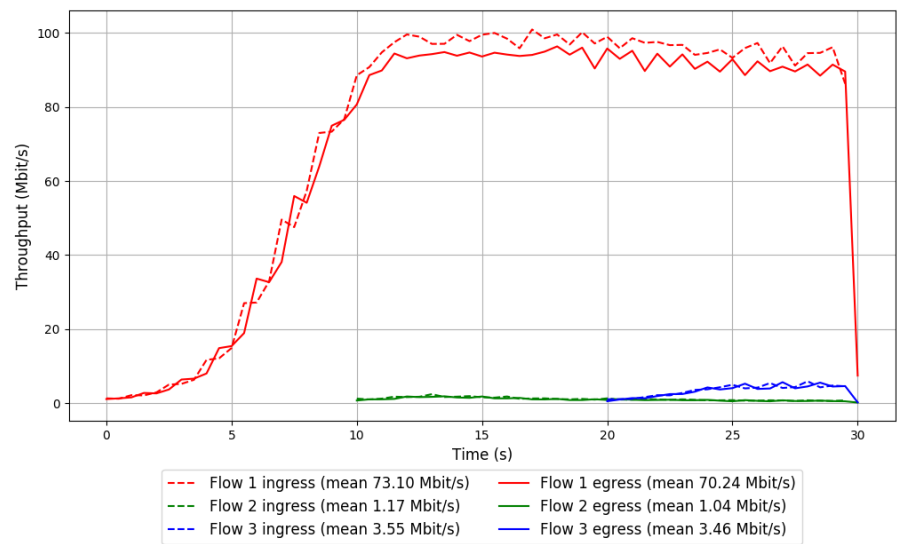
-- Flow 3:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 79.398 ms

Loss rate: 2.62%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:38:35 +0000

End at: Sun, 09 Jul 2017 22:39:05 +0000

Local clock offset: 0.901 ms

Remote clock offset: -2.349 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 79.087 ms

Loss rate: 4.71%

-- Flow 1:

Average throughput: 66.90 Mbit/s

95th percentile per-packet one-way delay: 79.089 ms

Loss rate: 4.06%

-- Flow 2:

Average throughput: 5.12 Mbit/s

95th percentile per-packet one-way delay: 76.699 ms

Loss rate: 15.16%

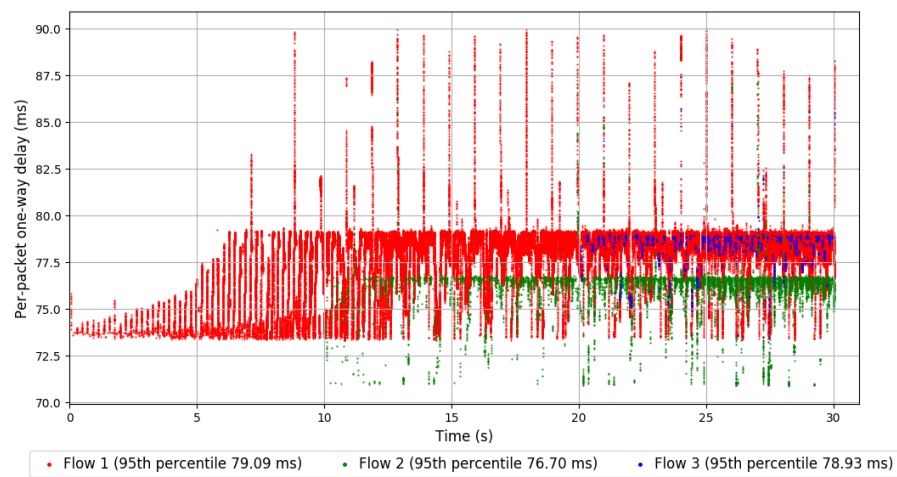
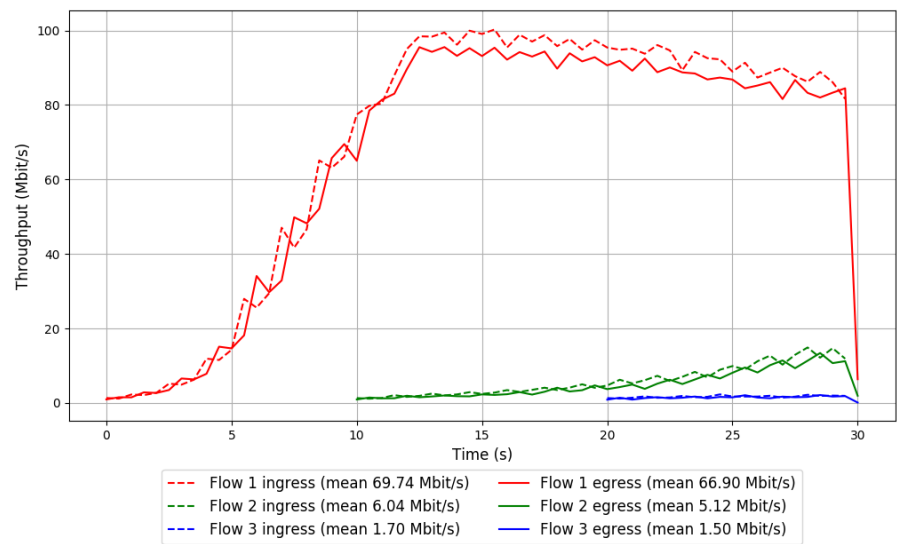
-- Flow 3:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 78.930 ms

Loss rate: 11.51%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 22:58:33 +0000

End at: Sun, 09 Jul 2017 22:59:03 +0000

Local clock offset: 0.867 ms

Remote clock offset: -1.793 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 78.372 ms

Loss rate: 4.25%

-- Flow 1:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 76.321 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 78.477 ms

Loss rate: 4.86%

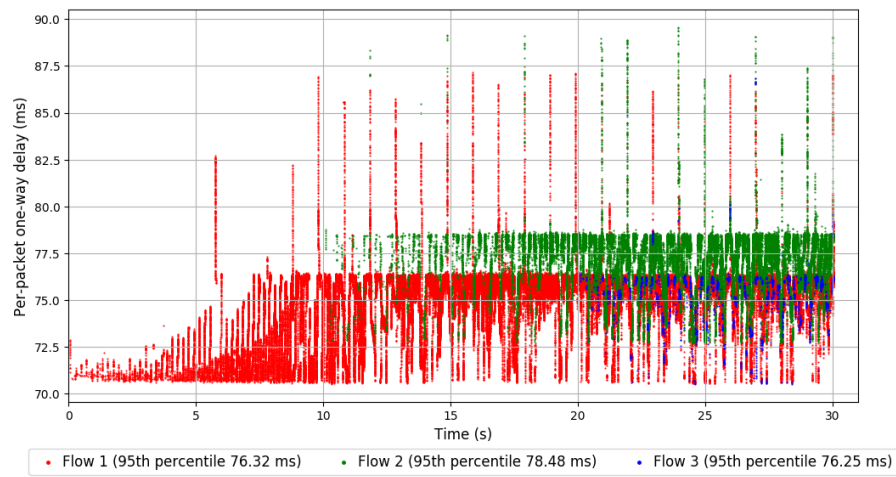
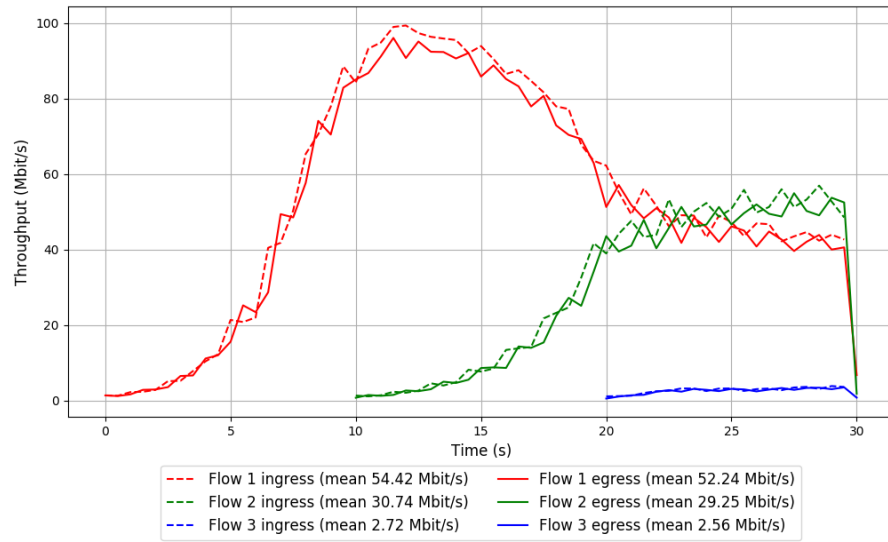
-- Flow 3:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 76.254 ms

Loss rate: 5.78%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:15:20 +0000

End at: Sun, 09 Jul 2017 20:15:50 +0000

Local clock offset: -0.606 ms

Remote clock offset: -4.865 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:53:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.13 Mbit/s

95th percentile per-packet one-way delay: 78.310 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 47.25 Mbit/s

95th percentile per-packet one-way delay: 75.893 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 29.06 Mbit/s

95th percentile per-packet one-way delay: 80.566 ms

Loss rate: 0.29%

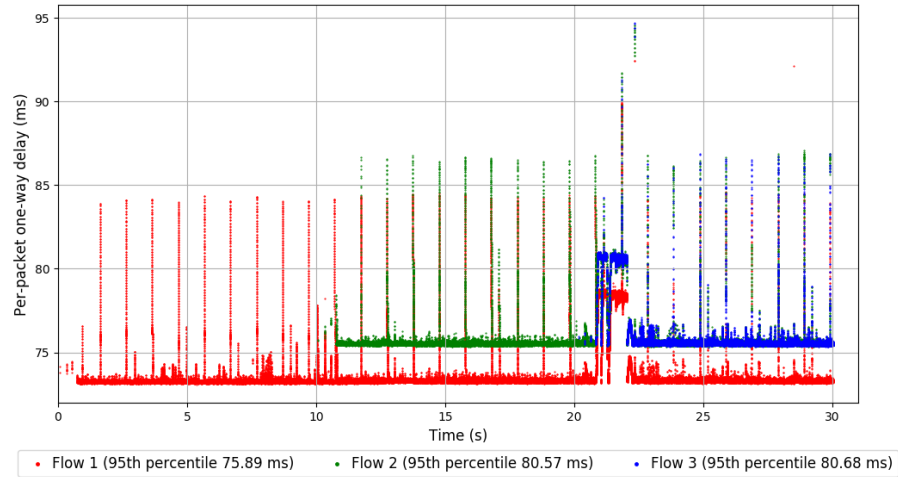
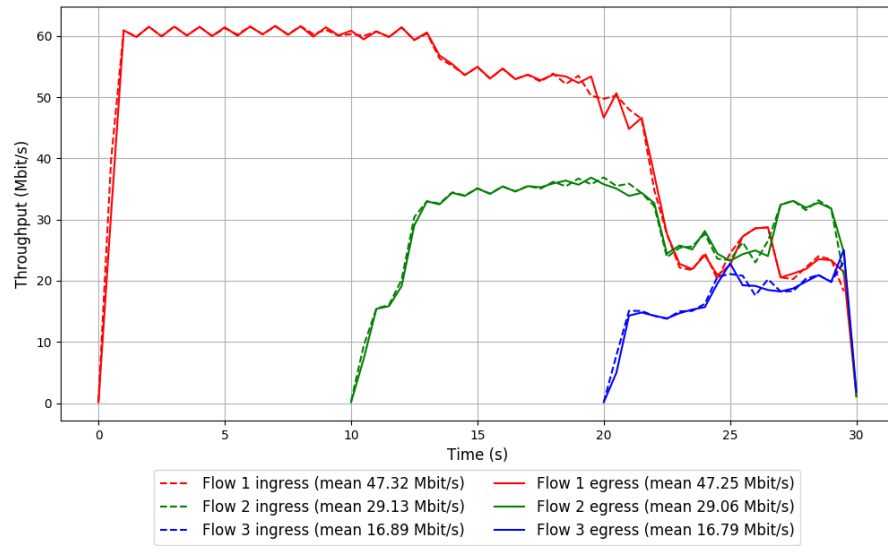
-- Flow 3:

Average throughput: 16.79 Mbit/s

95th percentile per-packet one-way delay: 80.678 ms

Loss rate: 0.54%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

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

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

Local clock offset: -0.502 ms

Remote clock offset: -4.881 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 79.757 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 51.29 Mbit/s

95th percentile per-packet one-way delay: 79.868 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 27.53 Mbit/s

95th percentile per-packet one-way delay: 80.025 ms

Loss rate: 0.39%

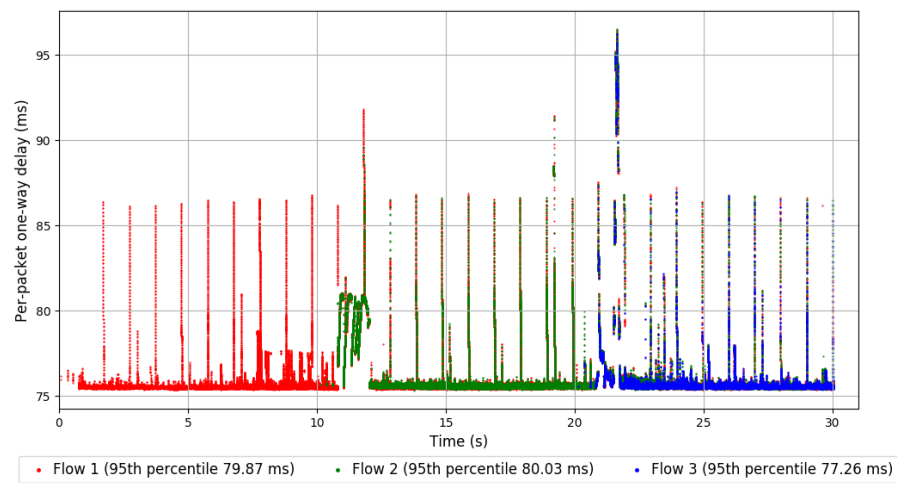
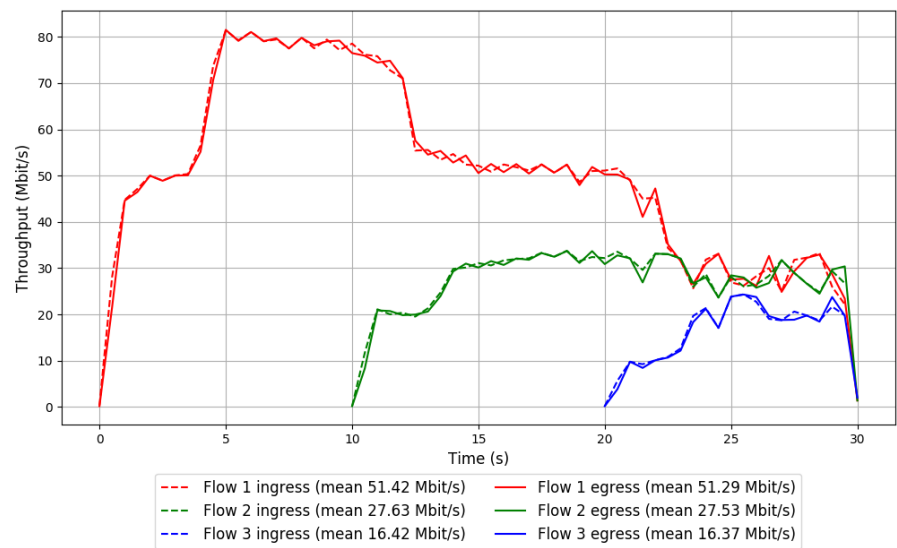
-- Flow 3:

Average throughput: 16.37 Mbit/s

95th percentile per-packet one-way delay: 77.264 ms

Loss rate: 0.32%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 09 Jul 2017 20:54:49 +0000

End at: Sun, 09 Jul 2017 20:55:19 +0000

Local clock offset: 0.613 ms

Remote clock offset: -5.013 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 80.492 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 80.290 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 80.596 ms

Loss rate: 0.55%

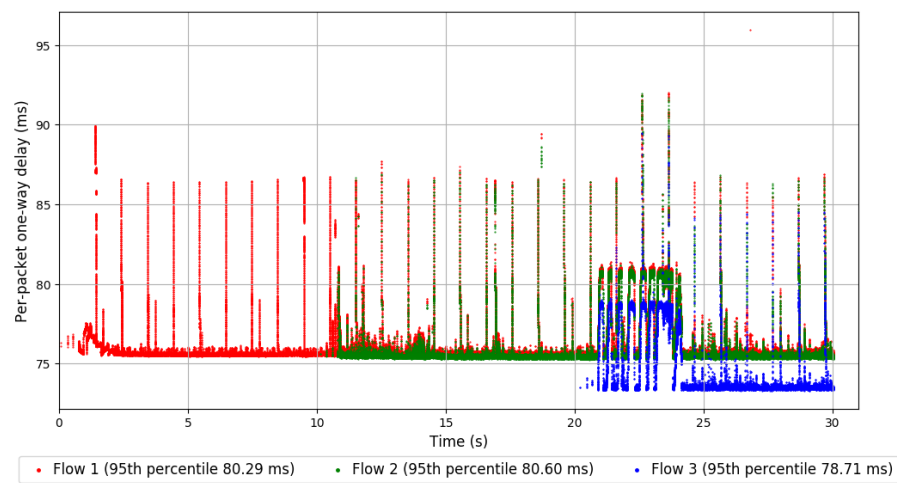
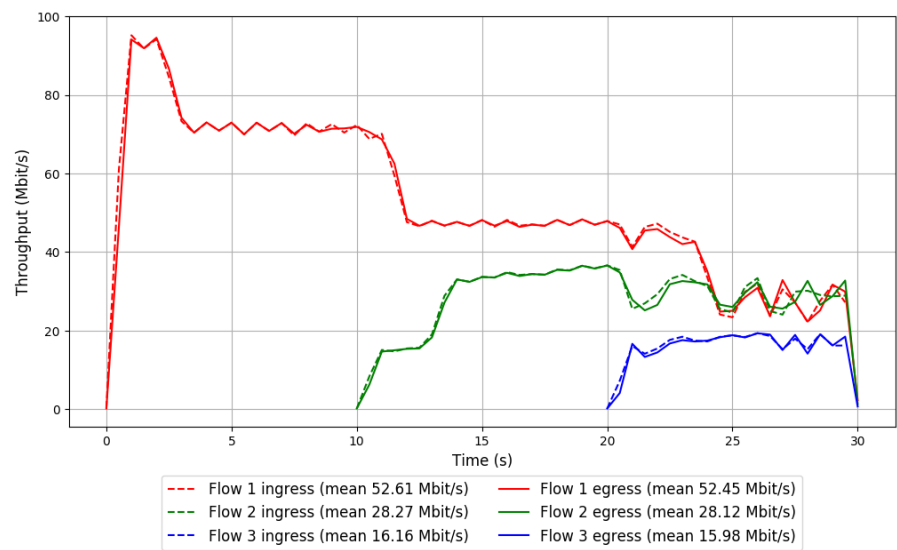
-- Flow 3:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 78.710 ms

Loss rate: 1.11%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:14:26 +0000

End at: Sun, 09 Jul 2017 21:14:56 +0000

Local clock offset: -0.395 ms

Remote clock offset: -4.47 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.10 Mbit/s

95th percentile per-packet one-way delay: 78.159 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 44.53 Mbit/s

95th percentile per-packet one-way delay: 77.048 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 80.368 ms

Loss rate: 0.90%

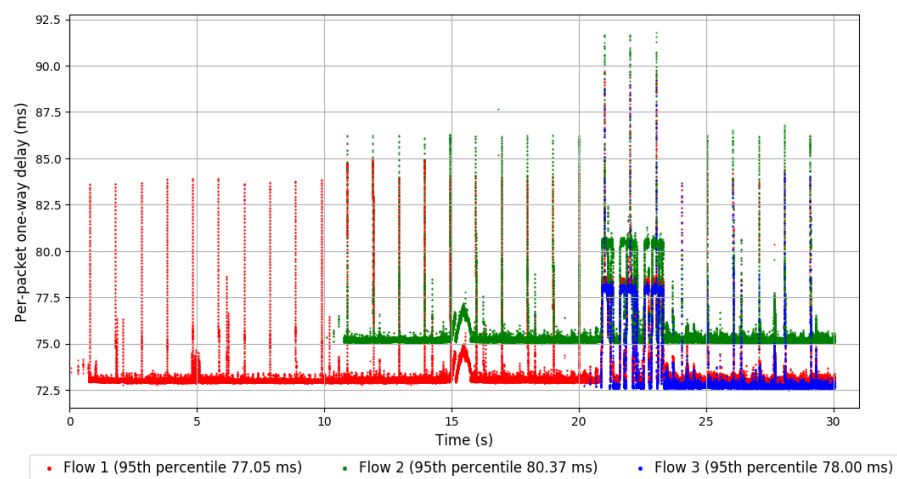
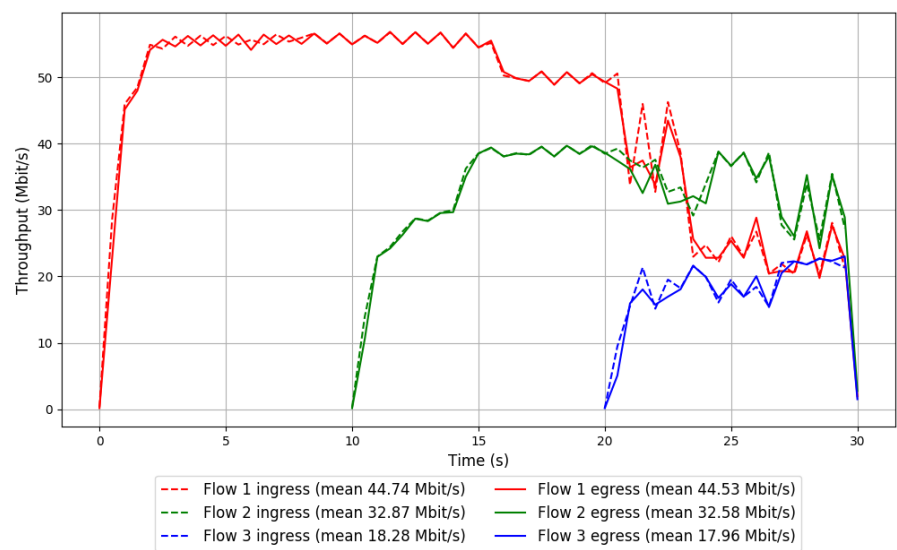
-- Flow 3:

Average throughput: 17.96 Mbit/s

95th percentile per-packet one-way delay: 77.997 ms

Loss rate: 1.73%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:34:06 +0000

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

Local clock offset: 1.062 ms

Remote clock offset: -3.925 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.63 Mbit/s

95th percentile per-packet one-way delay: 80.126 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 46.91 Mbit/s

95th percentile per-packet one-way delay: 80.170 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 27.74 Mbit/s

95th percentile per-packet one-way delay: 80.025 ms

Loss rate: 2.00%

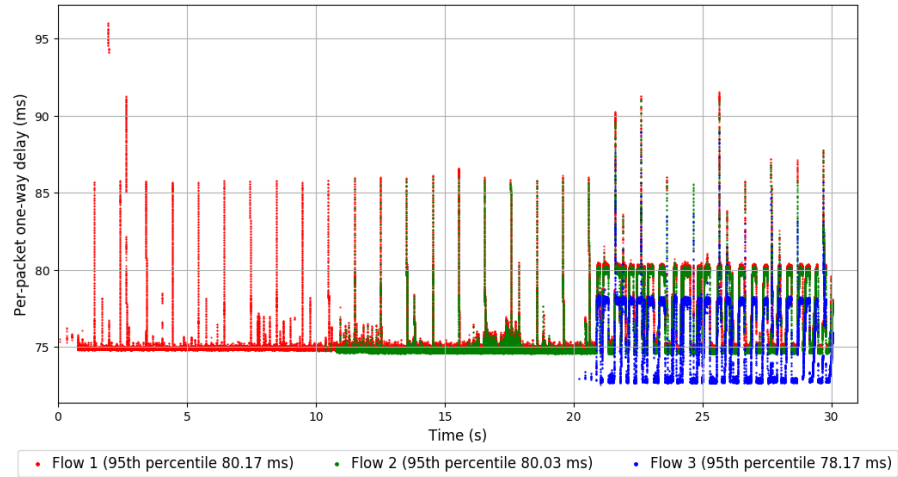
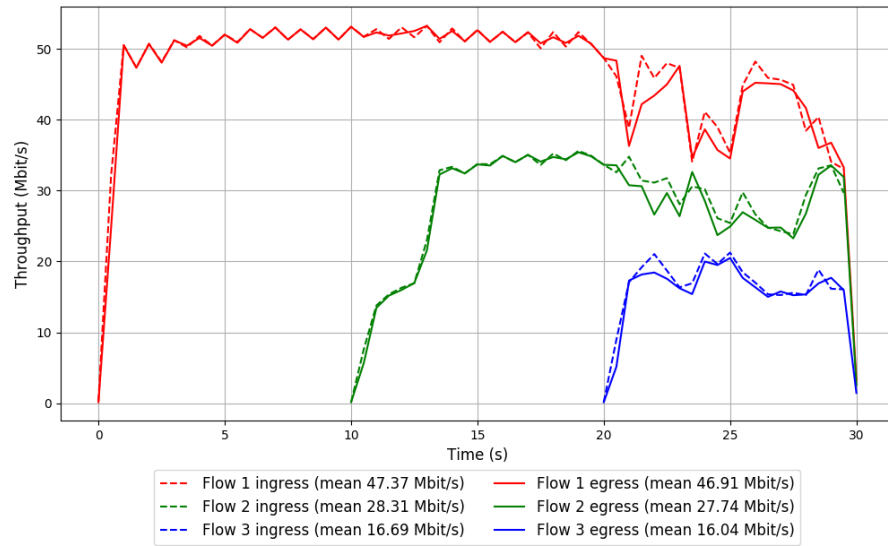
-- Flow 3:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 78.168 ms

Loss rate: 3.86%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 09 Jul 2017 21:53:48 +0000

End at: Sun, 09 Jul 2017 21:54:18 +0000

Local clock offset: -0.13 ms

Remote clock offset: -3.424 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:54:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 77.326 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 47.20 Mbit/s

95th percentile per-packet one-way delay: 76.141 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 25.93 Mbit/s

95th percentile per-packet one-way delay: 79.406 ms

Loss rate: 0.28%

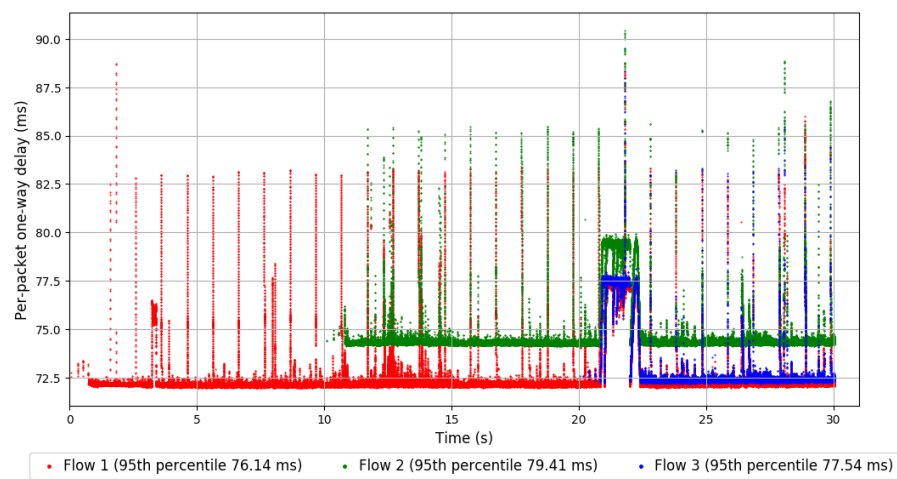
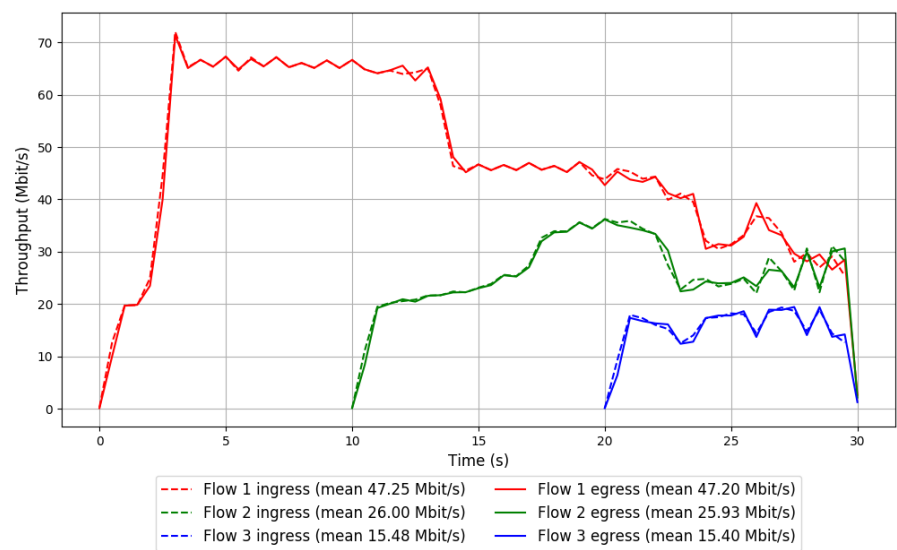
-- Flow 3:

Average throughput: 15.40 Mbit/s

95th percentile per-packet one-way delay: 77.536 ms

Loss rate: 0.57%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:13:30 +0000

End at: Sun, 09 Jul 2017 22:14:00 +0000

Local clock offset: -0.071 ms

Remote clock offset: -3.053 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.94 Mbit/s

95th percentile per-packet one-way delay: 77.304 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 45.12 Mbit/s

95th percentile per-packet one-way delay: 78.627 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 25.32 Mbit/s

95th percentile per-packet one-way delay: 77.134 ms

Loss rate: 0.98%

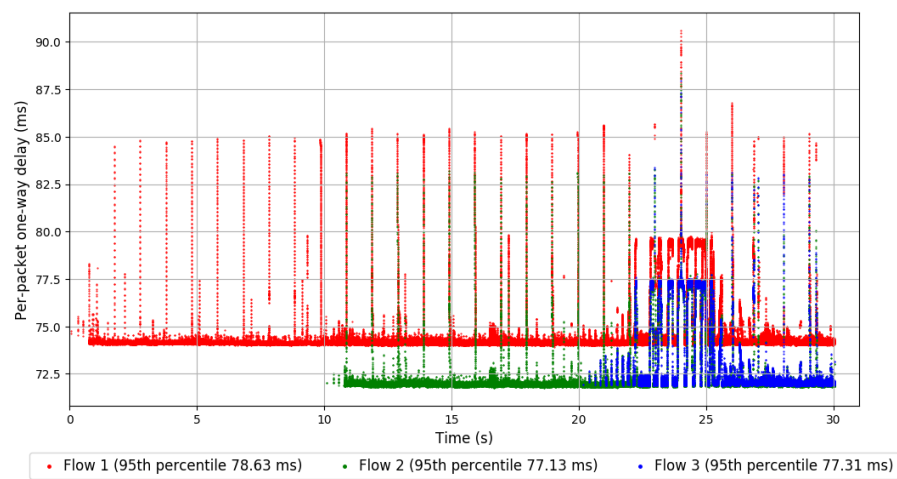
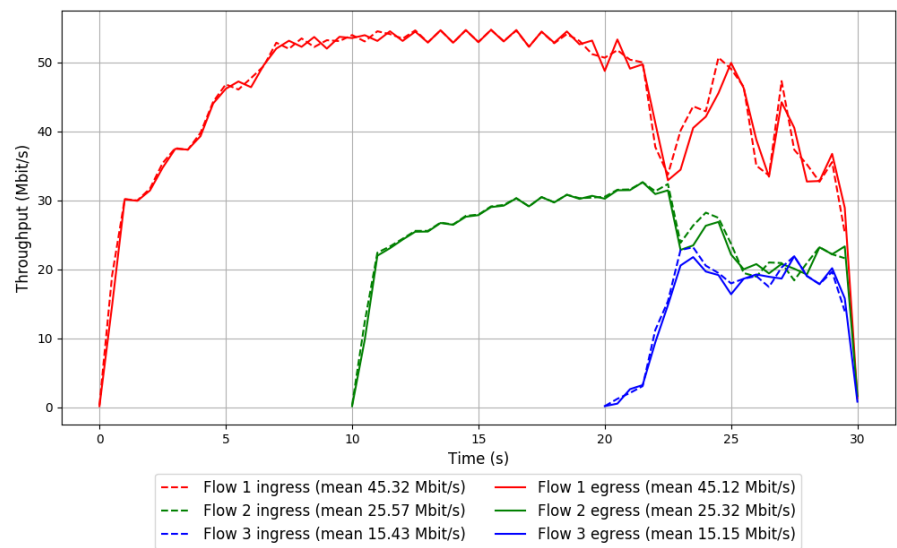
-- Flow 3:

Average throughput: 15.15 Mbit/s

95th percentile per-packet one-way delay: 77.305 ms

Loss rate: 1.80%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:33:10 +0000

End at: Sun, 09 Jul 2017 22:33:40 +0000

Local clock offset: 0.035 ms

Remote clock offset: -2.564 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.90 Mbit/s

95th percentile per-packet one-way delay: 78.607 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 78.507 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 78.857 ms

Loss rate: 0.83%

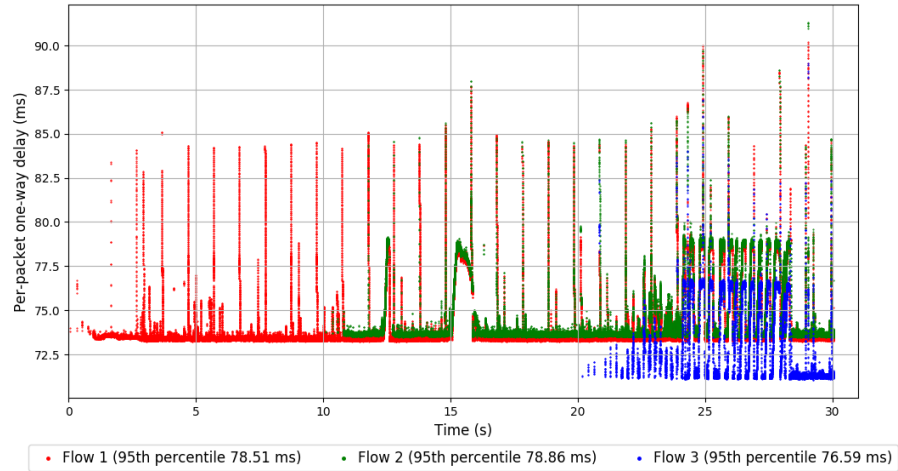
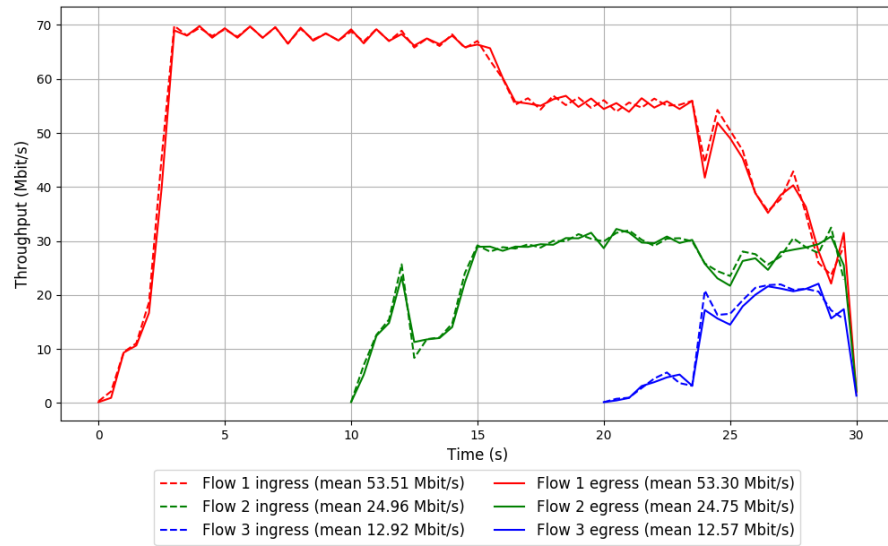
-- Flow 3:

Average throughput: 12.57 Mbit/s

95th percentile per-packet one-way delay: 76.586 ms

Loss rate: 2.69%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 09 Jul 2017 22:53:05 +0000

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

Local clock offset: 1.048 ms

Remote clock offset: -1.944 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.96 Mbit/s

95th percentile per-packet one-way delay: 78.042 ms

Loss rate: 2.09%

-- Flow 1:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 75.897 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 27.31 Mbit/s

95th percentile per-packet one-way delay: 78.135 ms

Loss rate: 2.22%

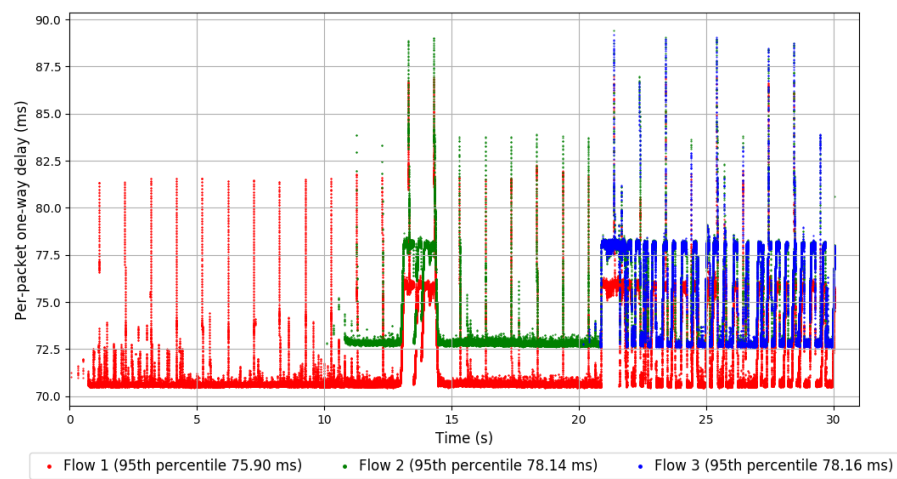
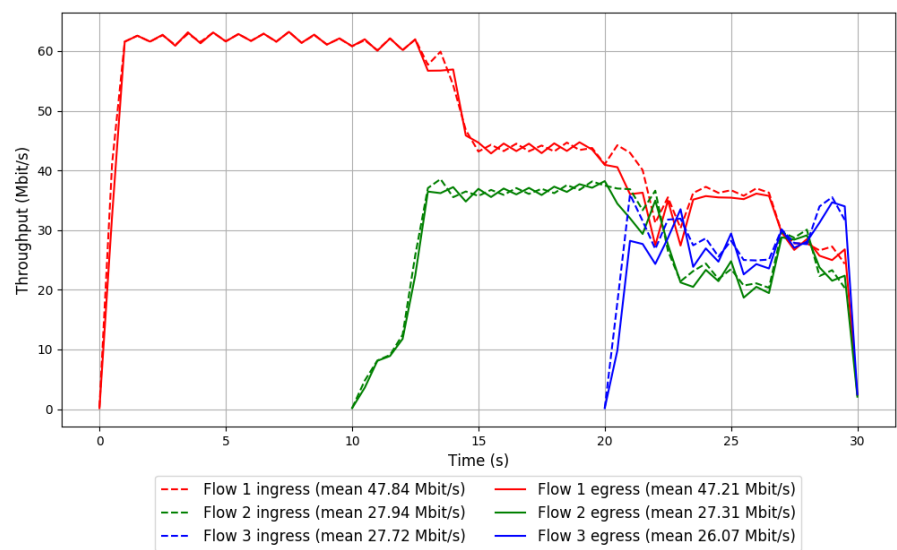
-- Flow 3:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 78.160 ms

Loss rate: 5.93%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 09 Jul 2017 23:13:00 +0000

End at: Sun, 09 Jul 2017 23:13:30 +0000

Local clock offset: -0.452 ms

Remote clock offset: -1.453 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 76.603 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 55.17 Mbit/s

95th percentile per-packet one-way delay: 76.490 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 28.81 Mbit/s

95th percentile per-packet one-way delay: 76.800 ms

Loss rate: 0.09%

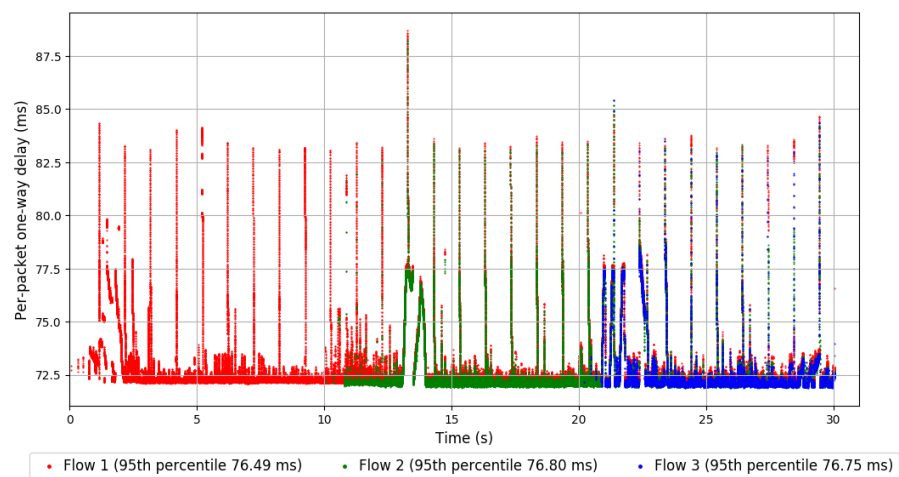
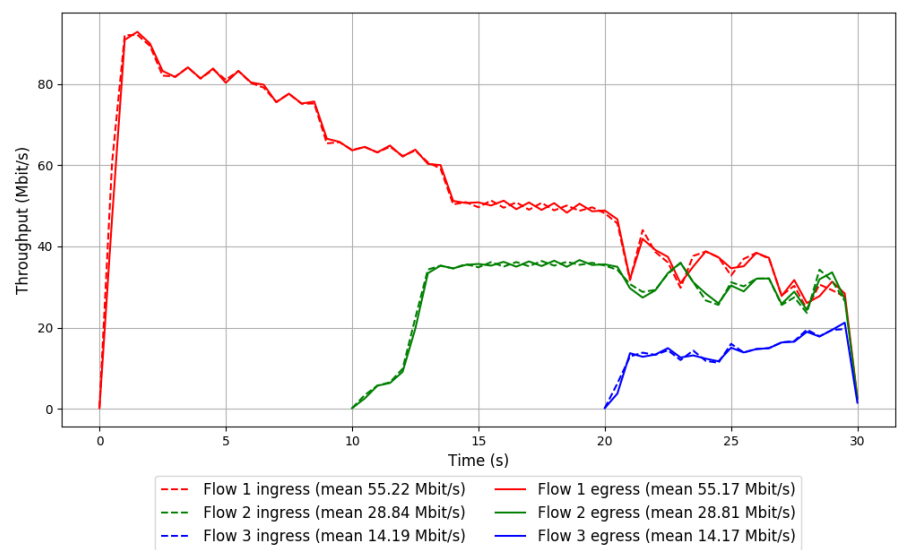
-- Flow 3:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 76.746 ms

Loss rate: 0.17%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:12:45 +0000

End at: Sun, 09 Jul 2017 20:13:15 +0000

Local clock offset: -0.414 ms

Remote clock offset: -4.791 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 77.373 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 76.679 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 12.21 Mbit/s

95th percentile per-packet one-way delay: 76.294 ms

Loss rate: 0.99%

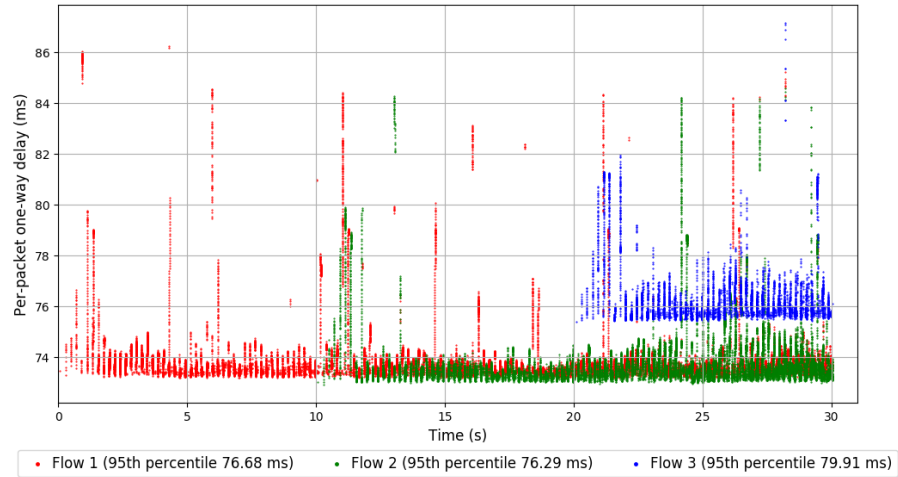
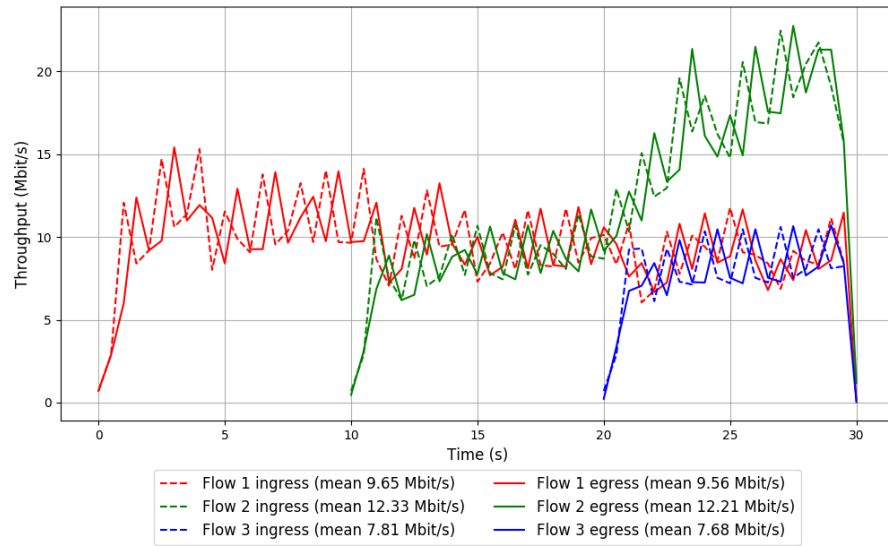
-- Flow 3:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 79.907 ms

Loss rate: 1.62%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:32:27 +0000

End at: Sun, 09 Jul 2017 20:32:57 +0000

Local clock offset: 0.861 ms

Remote clock offset: -4.932 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 76.117 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 74.749 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 77.651 ms

Loss rate: 0.90%

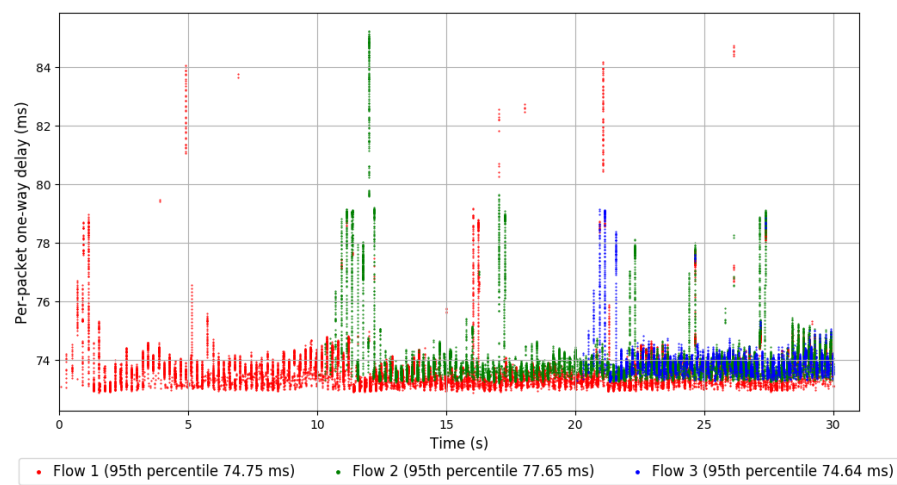
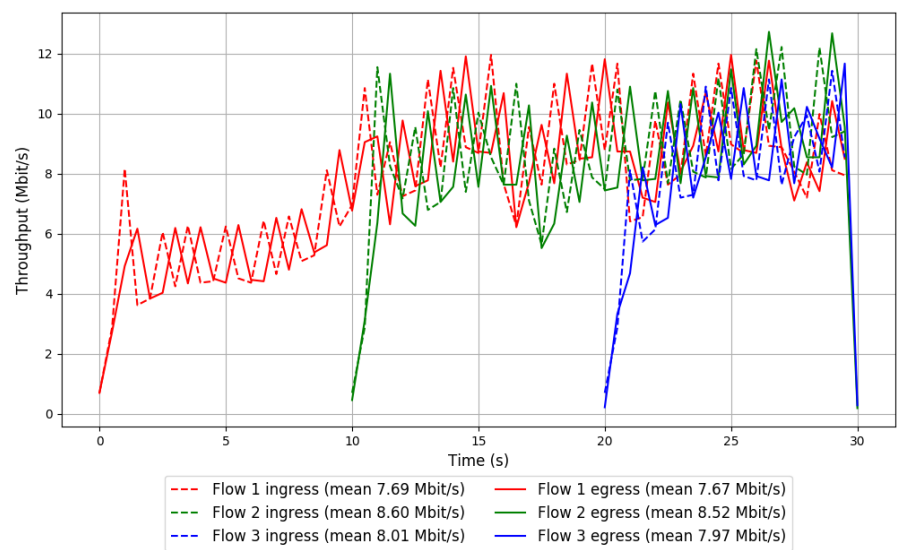
-- Flow 3:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 74.642 ms

Loss rate: 0.53%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 20:52:14 +0000

End at: Sun, 09 Jul 2017 20:52:44 +0000

Local clock offset: 0.707 ms

Remote clock offset: -5.052 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.90 Mbit/s

95th percentile per-packet one-way delay: 76.937 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 14.97 Mbit/s

95th percentile per-packet one-way delay: 76.635 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 77.558 ms

Loss rate: 1.07%

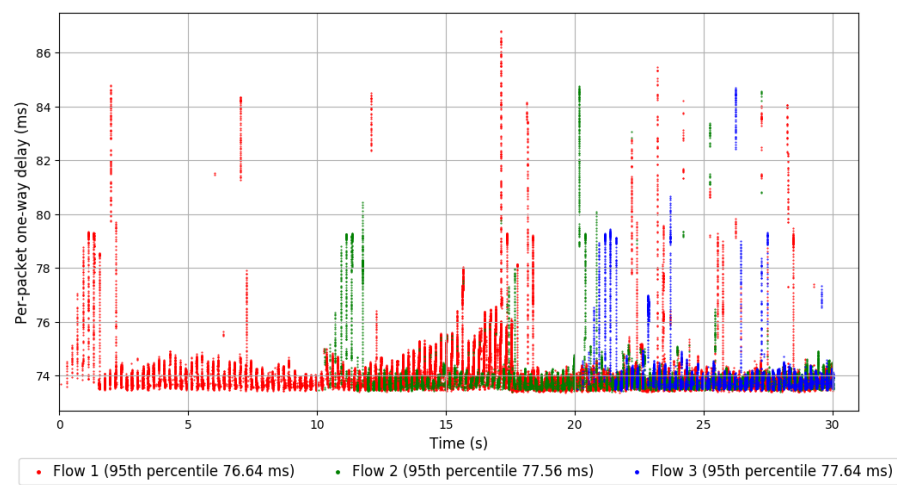
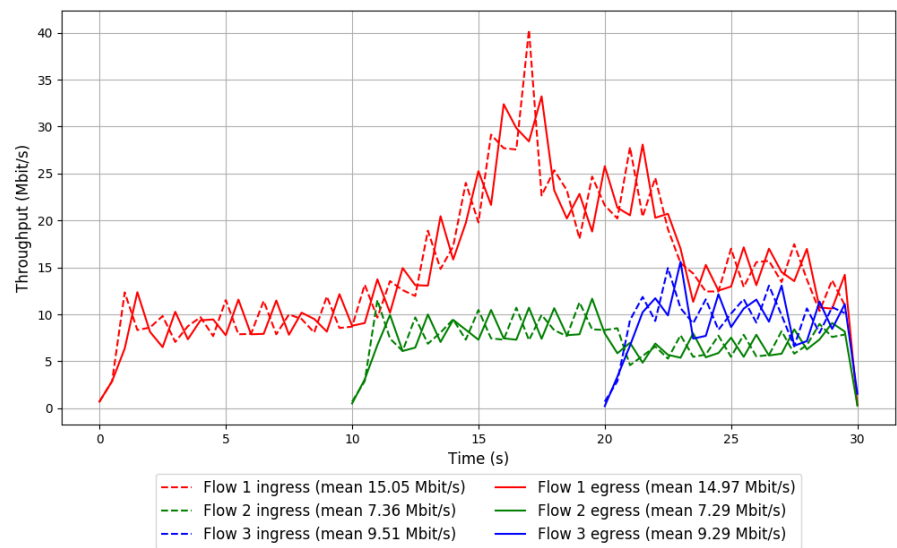
-- Flow 3:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 77.635 ms

Loss rate: 2.29%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:11:51 +0000

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

Local clock offset: 0.688 ms

Remote clock offset: -4.481 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.98 Mbit/s

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

Loss rate: 1.29%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 76.685 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 79.504 ms

Loss rate: 1.47%

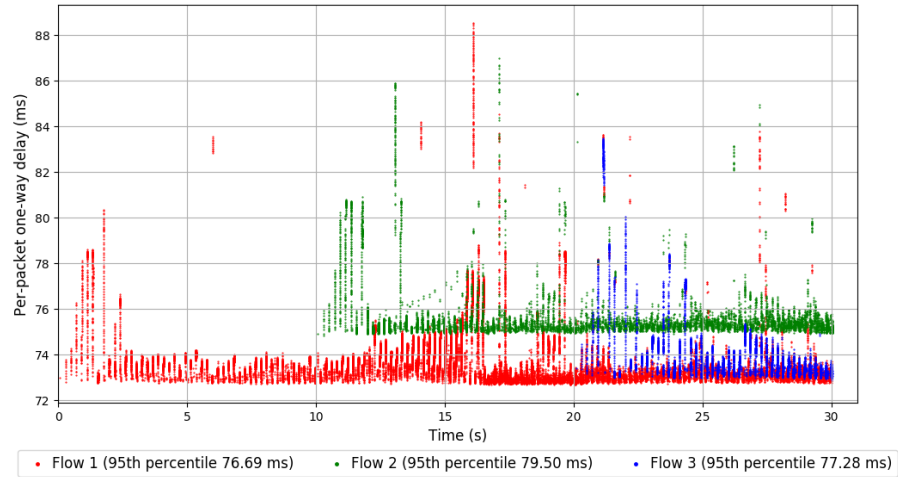
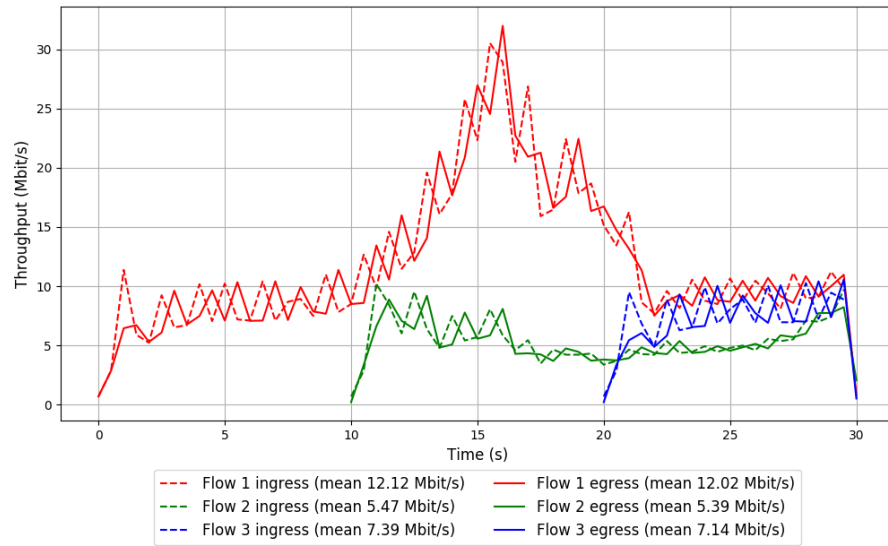
-- Flow 3:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 77.279 ms

Loss rate: 3.30%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:31:32 +0000

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

Local clock offset: -0.256 ms

Remote clock offset: -3.955 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.09 Mbit/s

95th percentile per-packet one-way delay: 78.115 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 79.272 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 77.180 ms

Loss rate: 0.56%

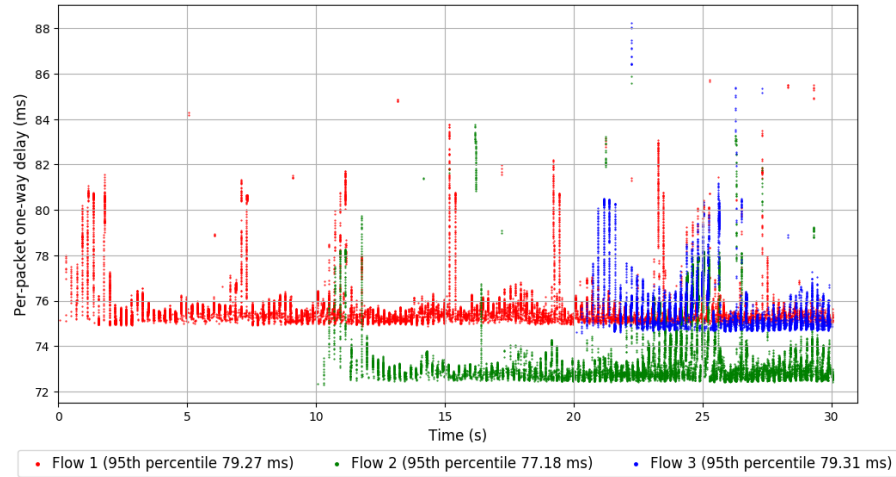
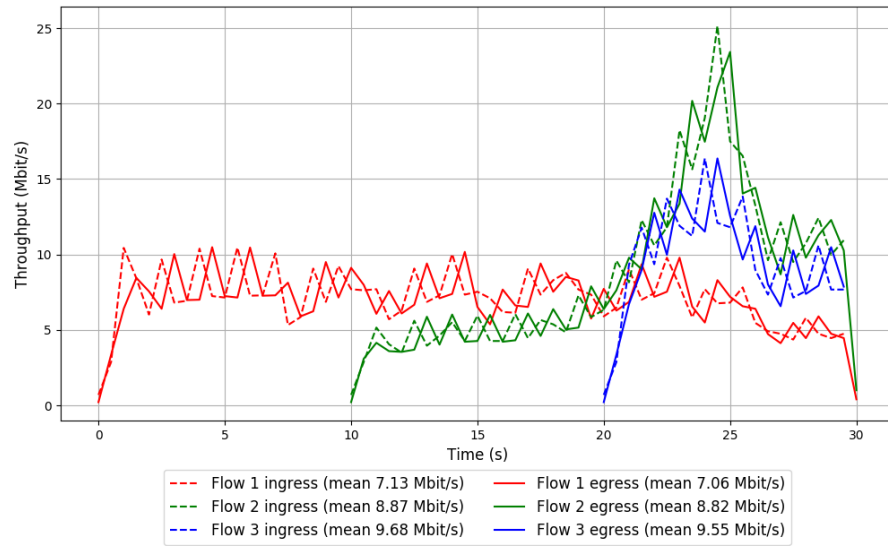
-- Flow 3:

Average throughput: 9.55 Mbit/s

95th percentile per-packet one-way delay: 79.312 ms

Loss rate: 1.31%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 21:51:13 +0000

End at: Sun, 09 Jul 2017 21:51:43 +0000

Local clock offset: -0.132 ms

Remote clock offset: -3.482 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.70 Mbit/s

95th percentile per-packet one-way delay: 75.882 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 10.58 Mbit/s

95th percentile per-packet one-way delay: 74.595 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 76.444 ms

Loss rate: 1.42%

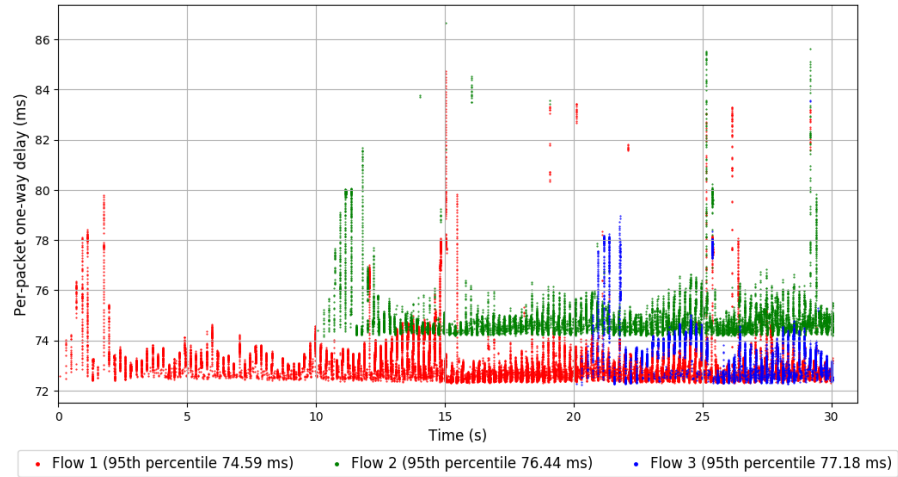
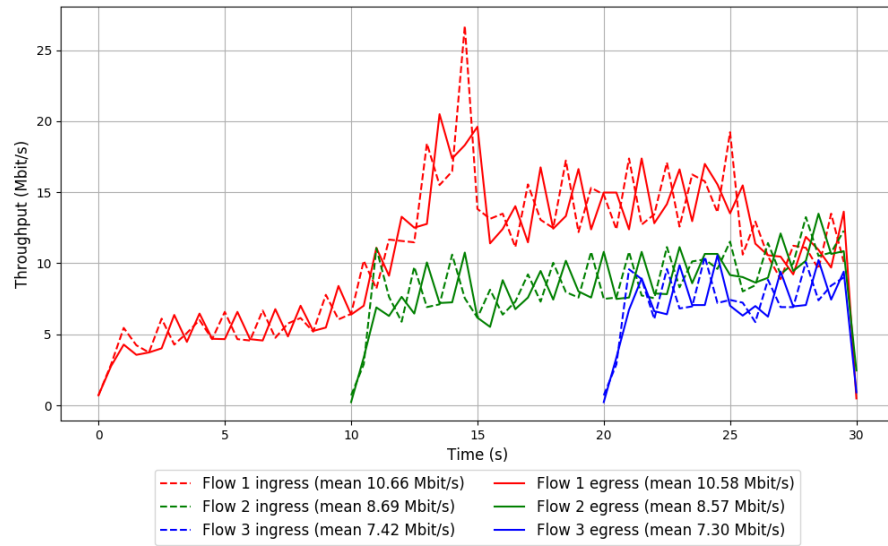
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 77.181 ms

Loss rate: 1.66%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:10:56 +0000

End at: Sun, 09 Jul 2017 22:11:26 +0000

Local clock offset: 1.453 ms

Remote clock offset: -3.082 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 77.082 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 6.73 Mbit/s

95th percentile per-packet one-way delay: 78.203 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 76.624 ms

Loss rate: 0.74%

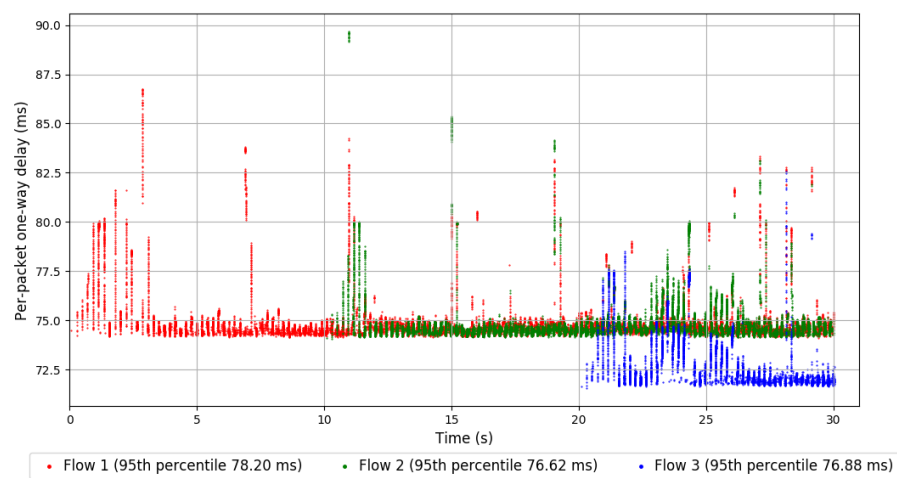
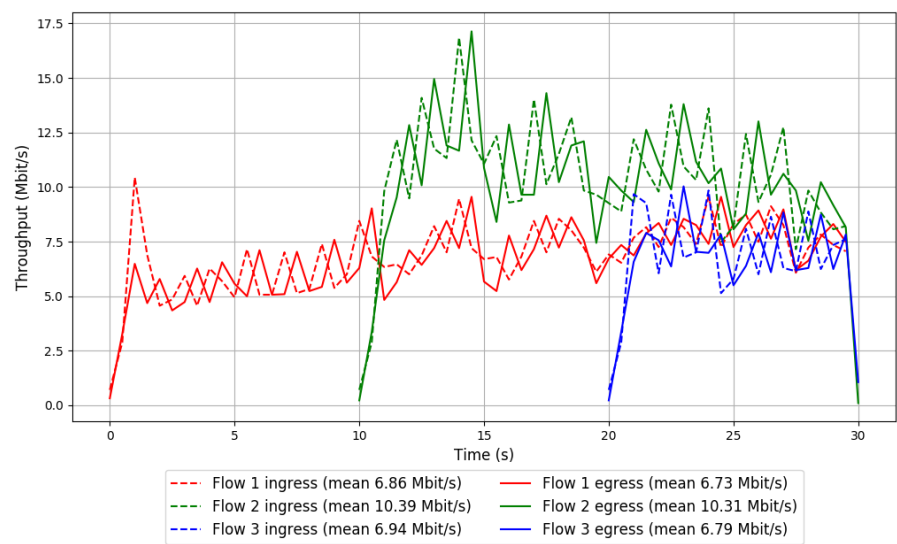
-- Flow 3:

Average throughput: 6.79 Mbit/s

95th percentile per-packet one-way delay: 76.875 ms

Loss rate: 2.24%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:30:35 +0000

End at: Sun, 09 Jul 2017 22:31:05 +0000

Local clock offset: -0.008 ms

Remote clock offset: -2.643 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.50 Mbit/s

95th percentile per-packet one-way delay: 77.844 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 11.20 Mbit/s

95th percentile per-packet one-way delay: 77.236 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 78.837 ms

Loss rate: 0.81%

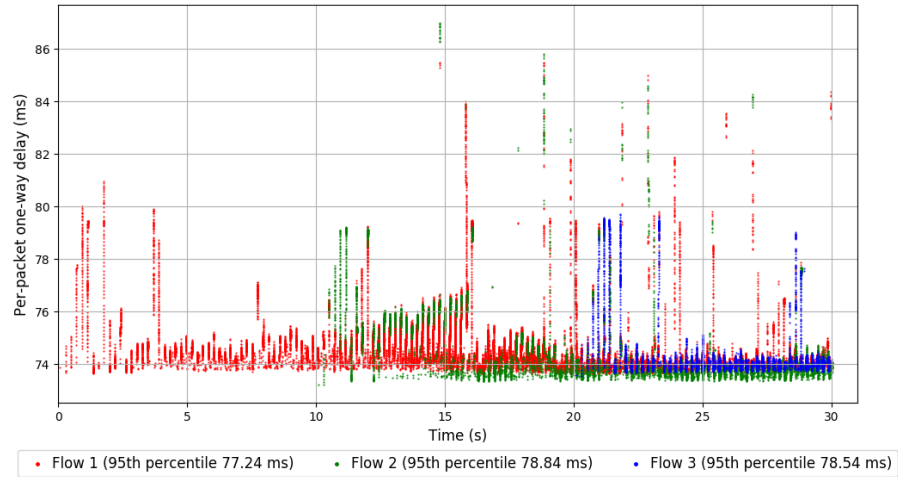
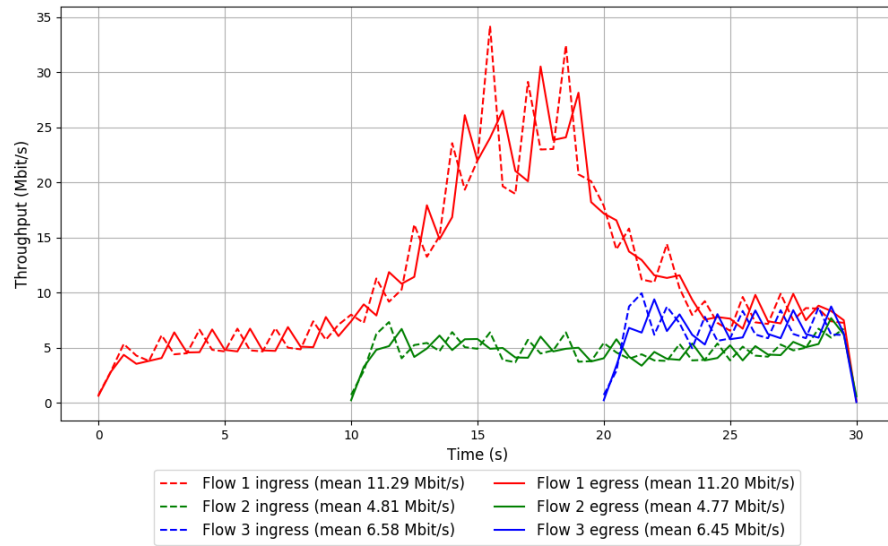
-- Flow 3:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 78.543 ms

Loss rate: 1.91%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 22:50:31 +0000

End at: Sun, 09 Jul 2017 22:51:01 +0000

Local clock offset: -0.245 ms

Remote clock offset: -2.124 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 75.538 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 74.996 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 74.506 ms

Loss rate: 0.36%

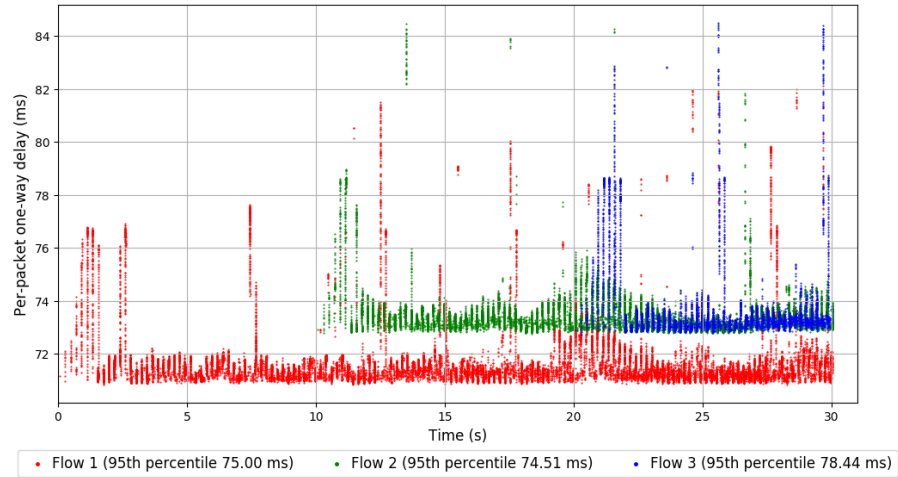
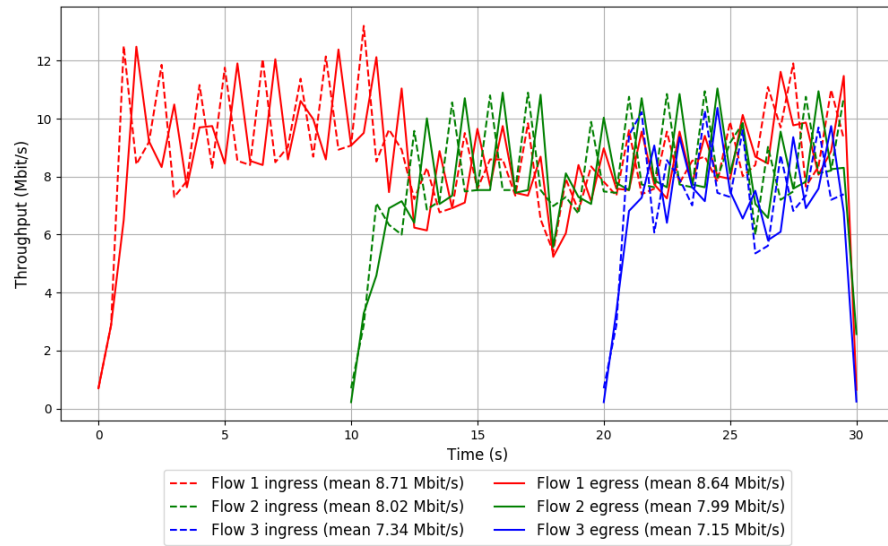
-- Flow 3:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 78.443 ms

Loss rate: 2.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 23:10:26 +0000

End at: Sun, 09 Jul 2017 23:10:56 +0000

Local clock offset: 0.723 ms

Remote clock offset: -1.555 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.85 Mbit/s

95th percentile per-packet one-way delay: 73.914 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 72.400 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 6.16 Mbit/s

95th percentile per-packet one-way delay: 74.415 ms

Loss rate: 0.94%

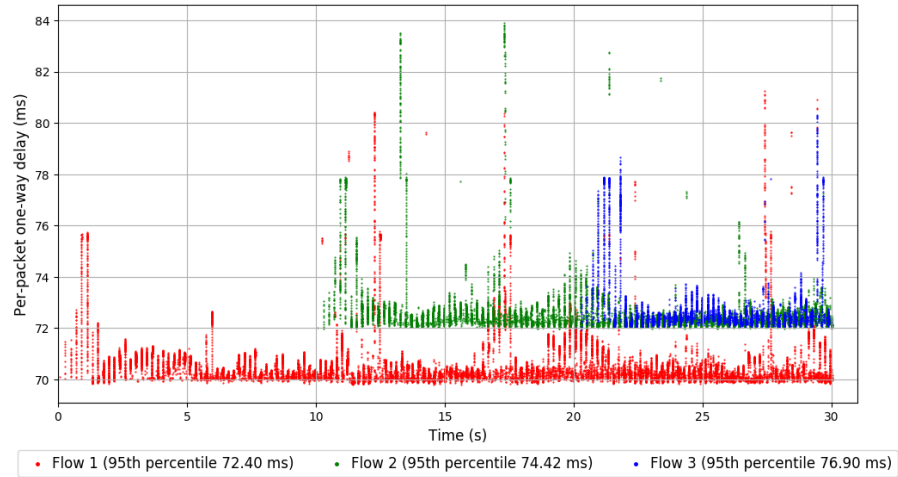
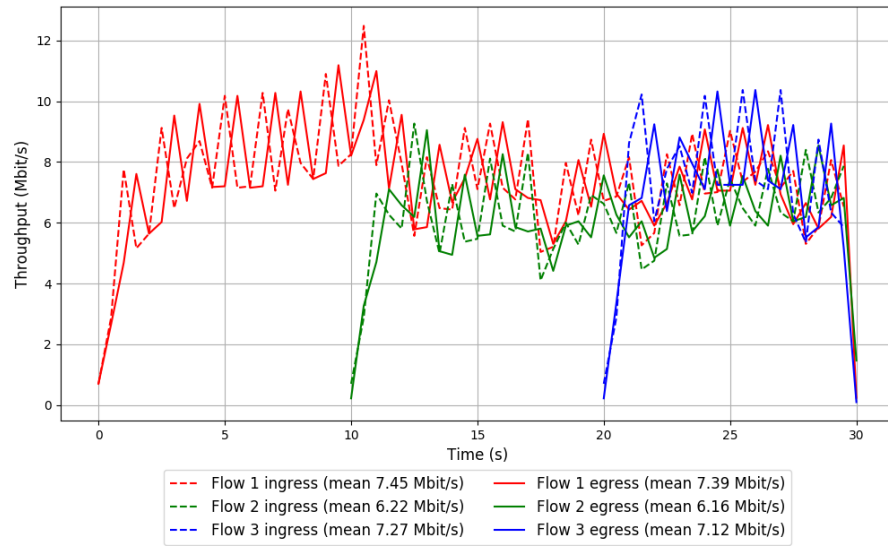
-- Flow 3:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 76.900 ms

Loss rate: 2.06%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:11:29 +0000

End at: Sun, 09 Jul 2017 20:11:59 +0000

Local clock offset: -0.597 ms

Remote clock offset: -4.821 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 78.132 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 78.292 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 78.792 ms

Loss rate: 0.77%

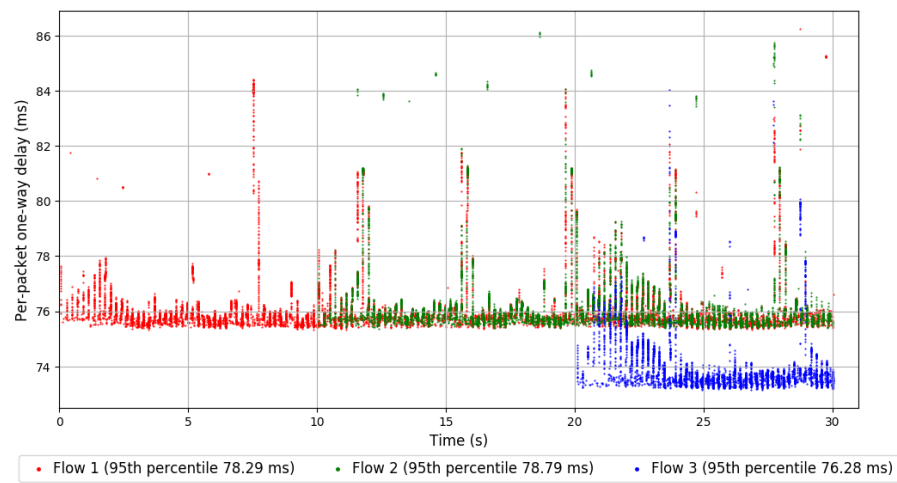
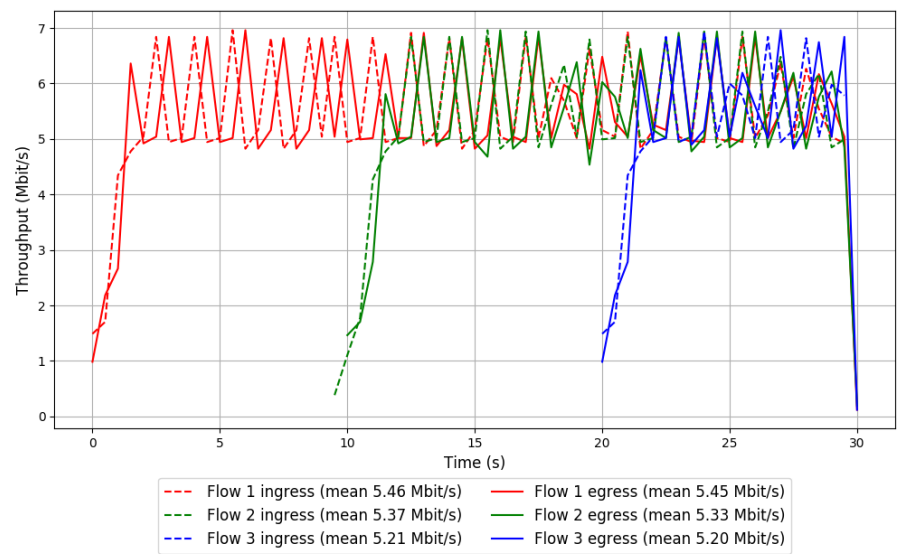
-- Flow 3:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 76.285 ms

Loss rate: 0.05%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:31:11 +0000

End at: Sun, 09 Jul 2017 20:31:41 +0000

Local clock offset: -0.681 ms

Remote clock offset: -4.884 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.82 Mbit/s

95th percentile per-packet one-way delay: 76.132 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 74.527 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 75.952 ms

Loss rate: 0.37%

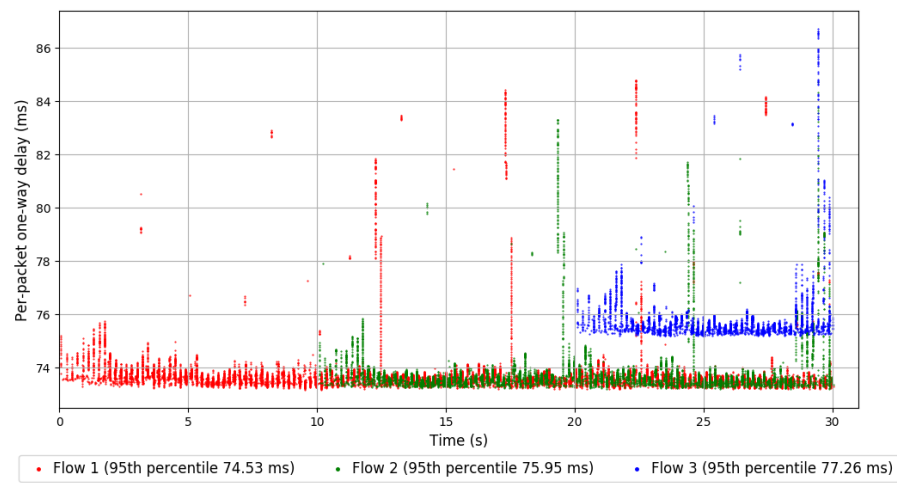
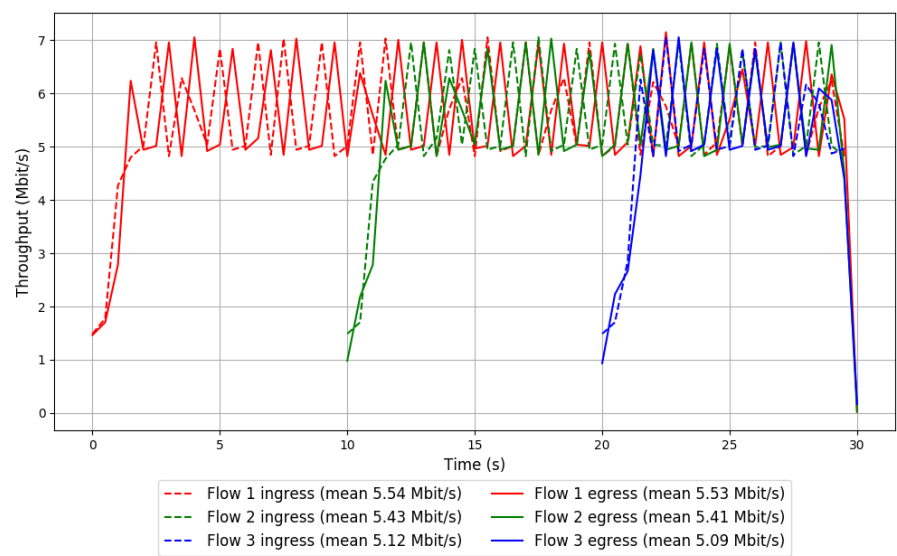
-- Flow 3:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 77.260 ms

Loss rate: 0.47%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 20:50:58 +0000

End at: Sun, 09 Jul 2017 20:51:28 +0000

Local clock offset: -0.515 ms

Remote clock offset: -5.07 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.75 Mbit/s

95th percentile per-packet one-way delay: 78.095 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 78.158 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.37 Mbit/s

95th percentile per-packet one-way delay: 77.587 ms

Loss rate: 0.09%

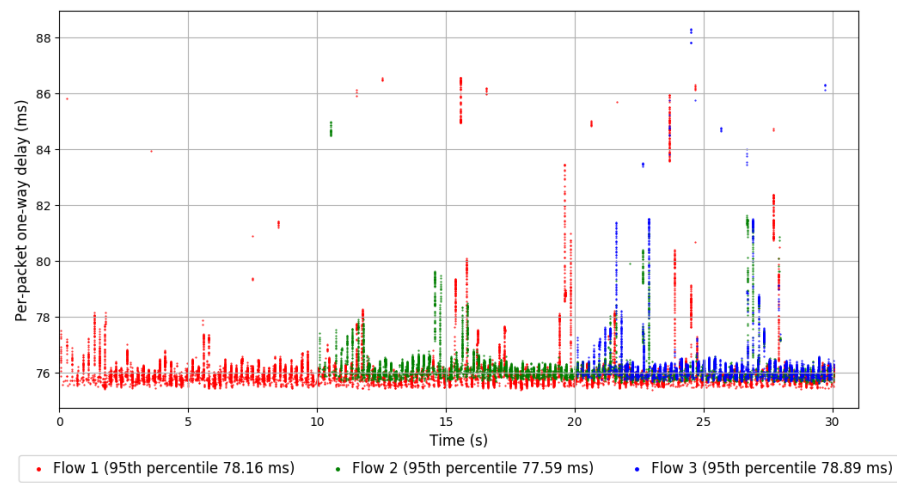
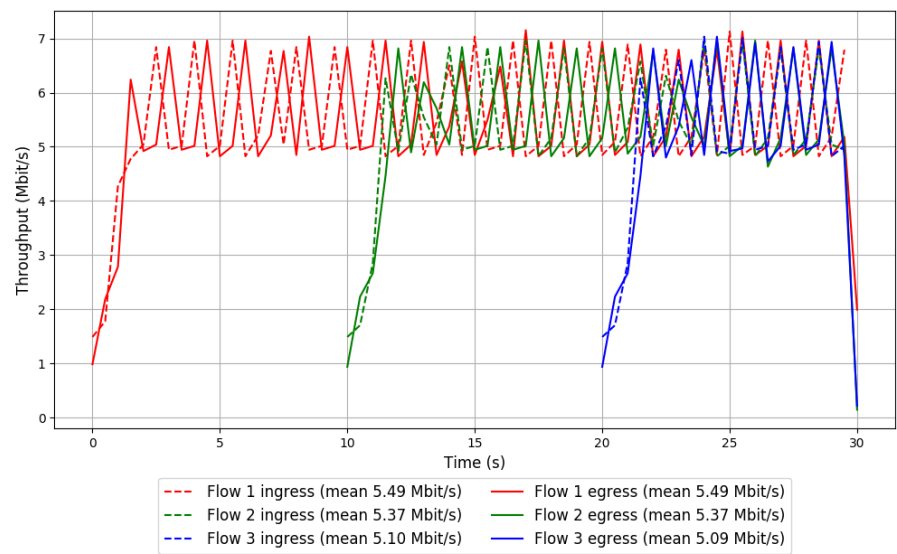
-- Flow 3:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 78.887 ms

Loss rate: 0.24%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:10:35 +0000

End at: Sun, 09 Jul 2017 21:11:05 +0000

Local clock offset: -0.396 ms

Remote clock offset: -4.558 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 77.808 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 78.317 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 77.987 ms

Loss rate: 0.85%

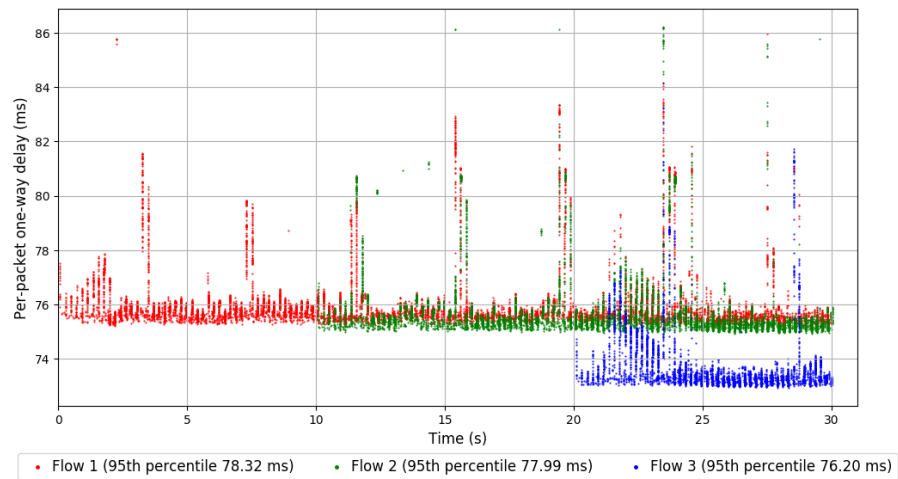
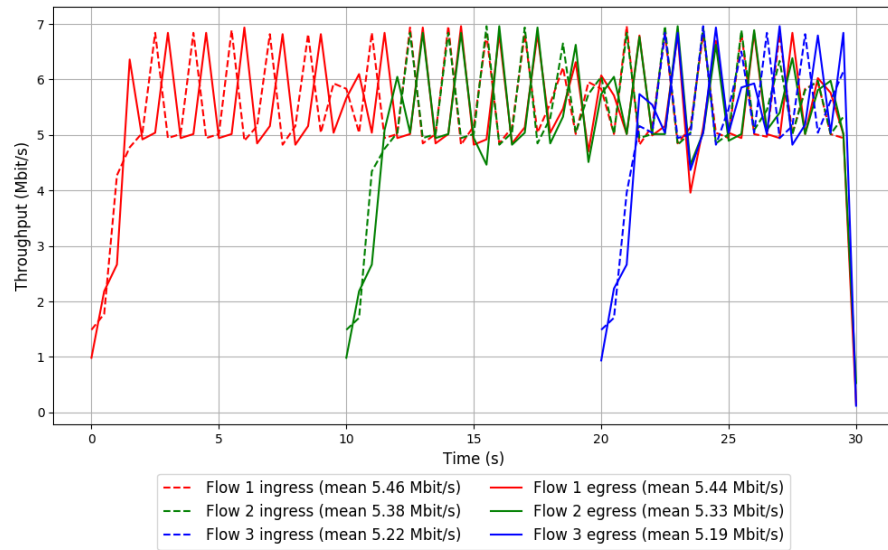
-- Flow 3:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 76.200 ms

Loss rate: 0.56%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:30:16 +0000

End at: Sun, 09 Jul 2017 21:30:46 +0000

Local clock offset: 1.283 ms

Remote clock offset: -3.987 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 76.143 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 76.538 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 74.437 ms

Loss rate: 0.00%

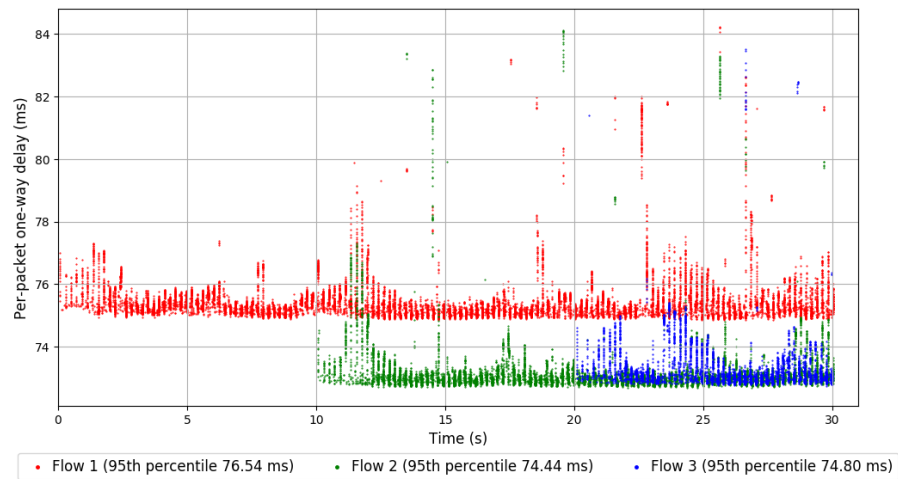
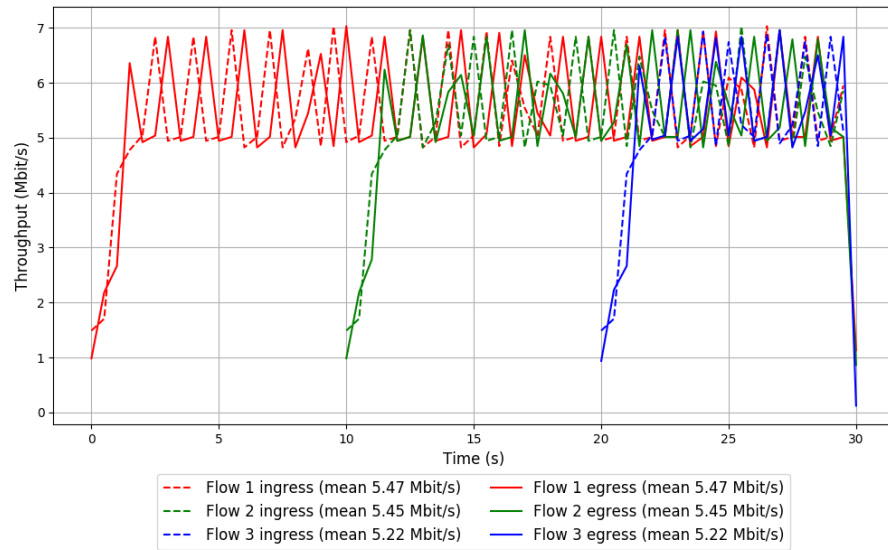
-- Flow 3:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 74.798 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 21:49:57 +0000

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

Local clock offset: 0.055 ms

Remote clock offset: -3.492 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 75.766 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 77.456 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 73.952 ms

Loss rate: 0.35%

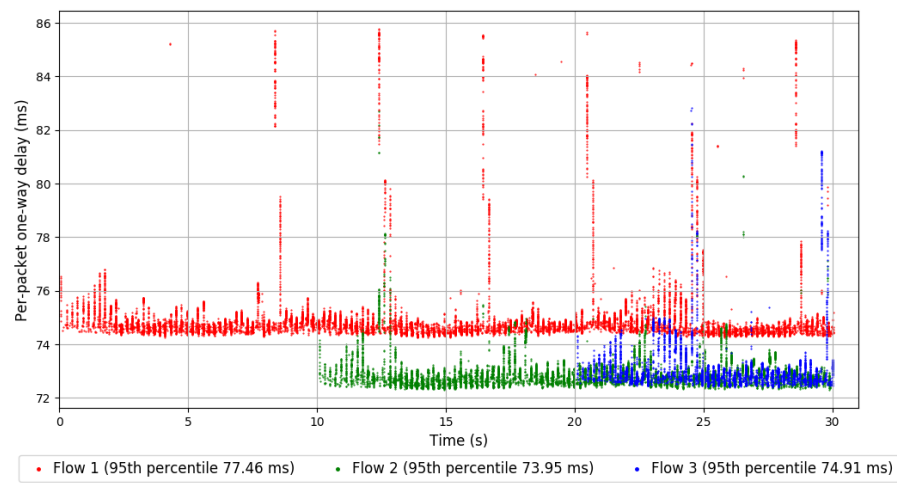
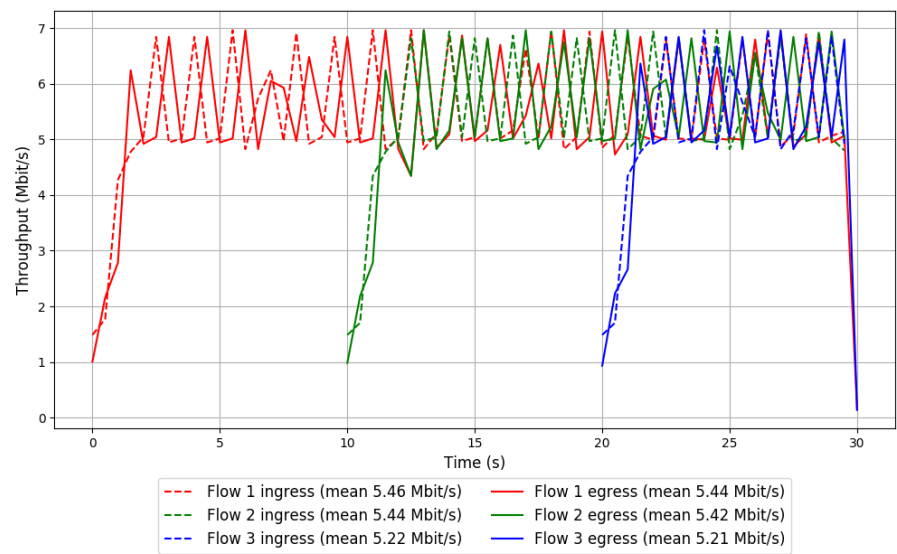
-- Flow 3:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 74.914 ms

Loss rate: 0.16%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

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

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

Local clock offset: 1.36 ms

Remote clock offset: -3.093 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.84 Mbit/s

95th percentile per-packet one-way delay: 74.893 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 73.335 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 73.738 ms

Loss rate: 0.12%

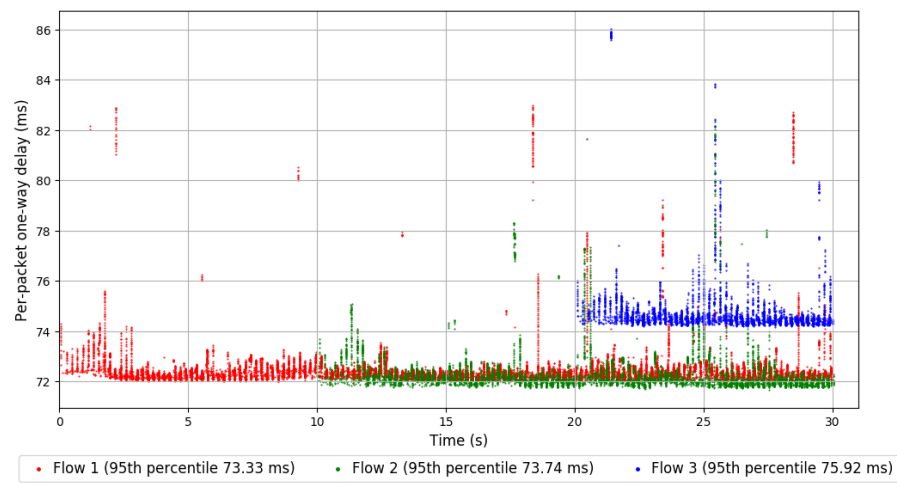
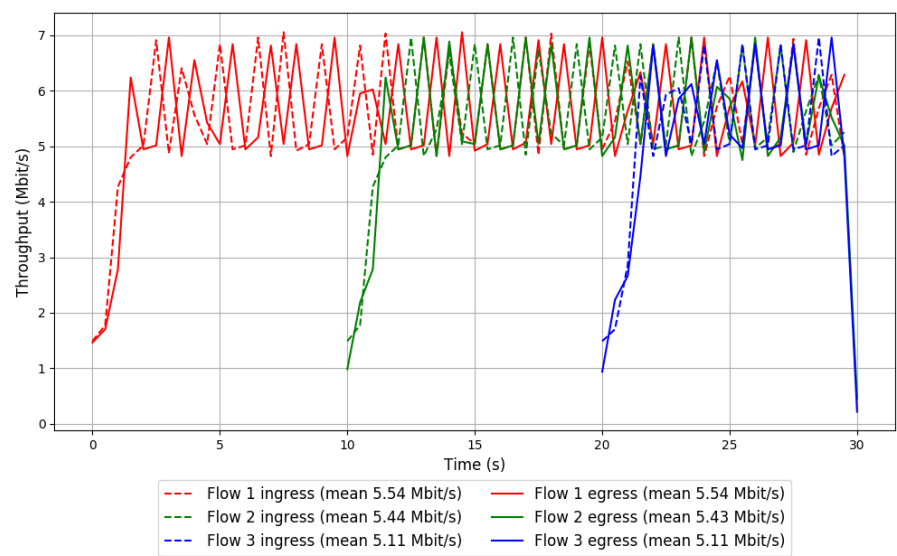
-- Flow 3:

Average throughput: 5.11 Mbit/s

95th percentile per-packet one-way delay: 75.915 ms

Loss rate: 0.07%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 22:29:19 +0000

End at: Sun, 09 Jul 2017 22:29:49 +0000

Local clock offset: 0.018 ms

Remote clock offset: -2.636 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.84 Mbit/s

95th percentile per-packet one-way delay: 74.836 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 74.064 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 75.097 ms

Loss rate: 0.00%

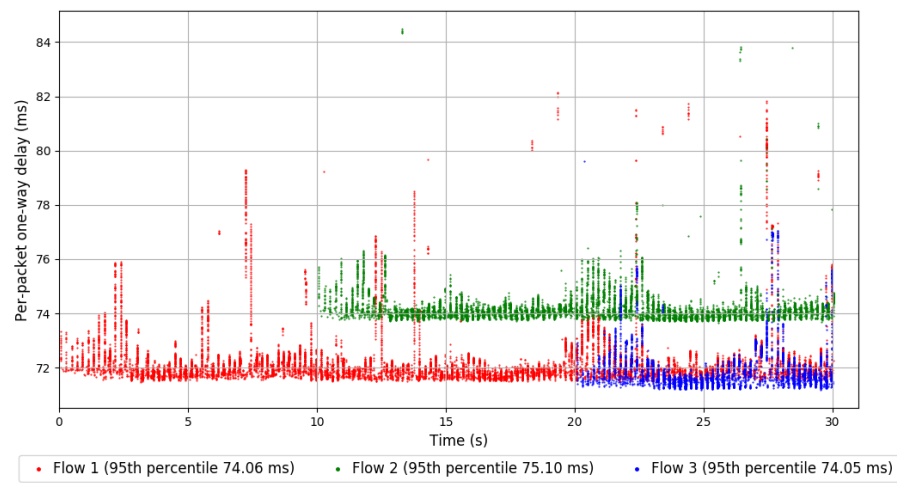
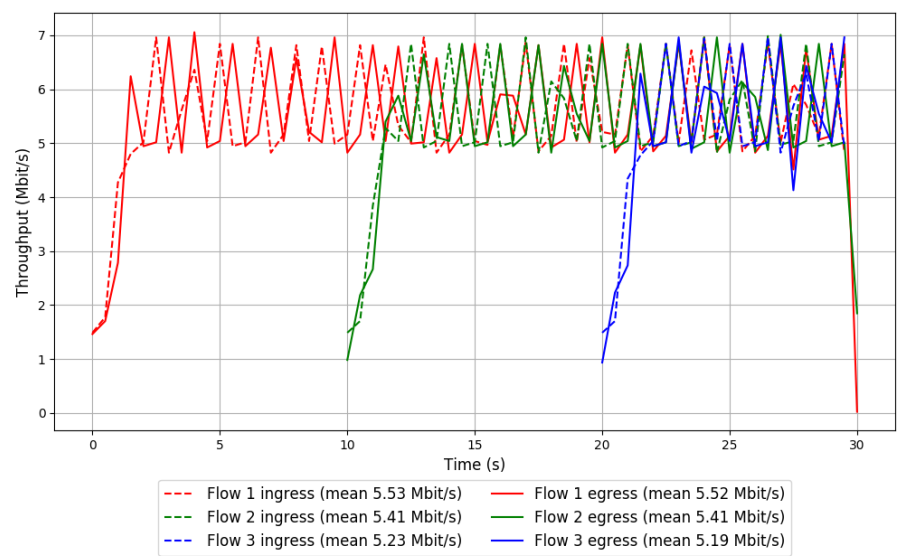
-- Flow 3:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 74.047 ms

Loss rate: 0.70%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

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

End at: Sun, 09 Jul 2017 22:49:40 +0000

Local clock offset: -0.221 ms

Remote clock offset: -2.116 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.80 Mbit/s

95th percentile per-packet one-way delay: 74.154 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 74.013 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 74.540 ms

Loss rate: 0.11%

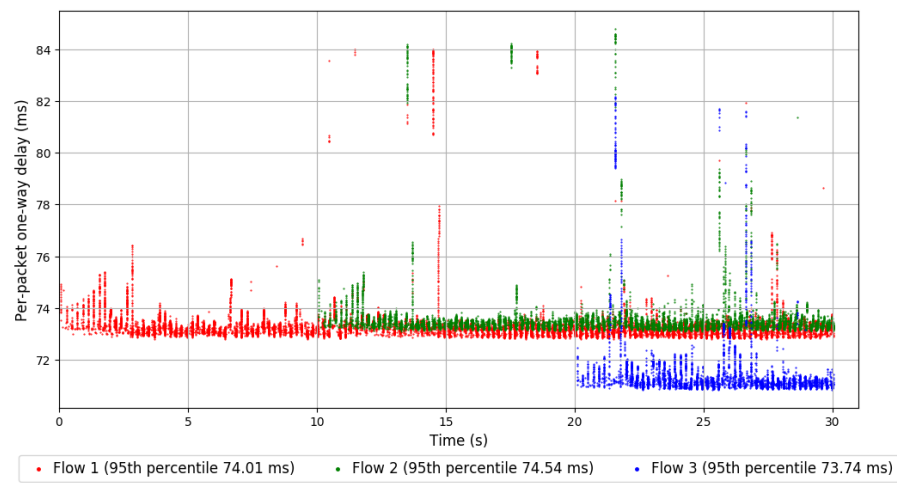
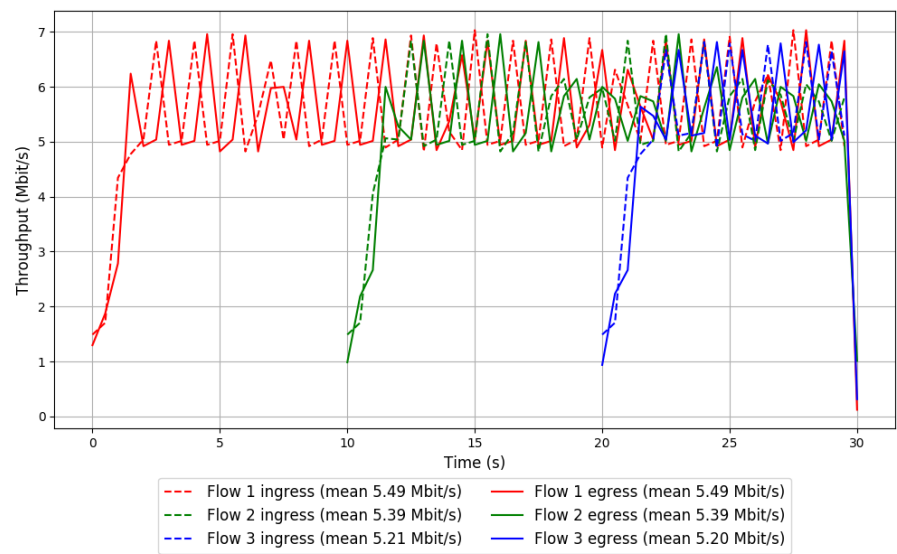
-- Flow 3:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 73.738 ms

Loss rate: 0.21%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

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

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

Local clock offset: 0.655 ms

Remote clock offset: -1.542 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 74.700 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 75.345 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 73.702 ms

Loss rate: 0.50%

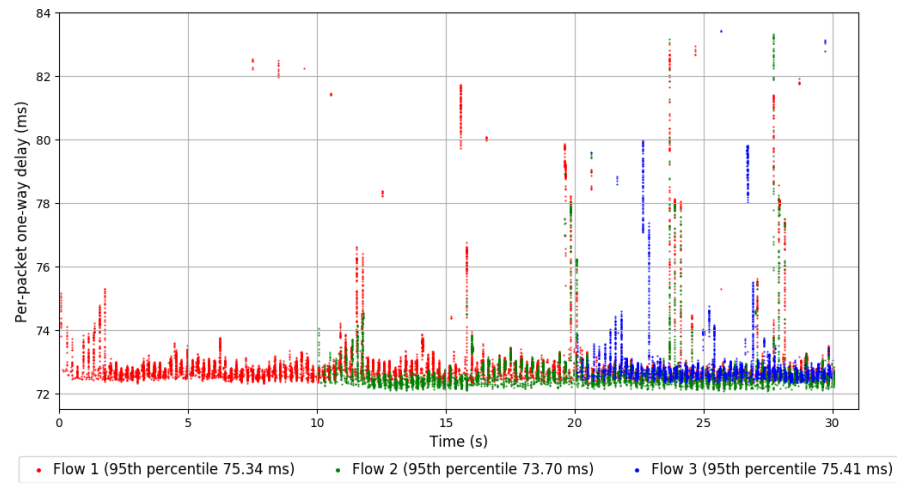
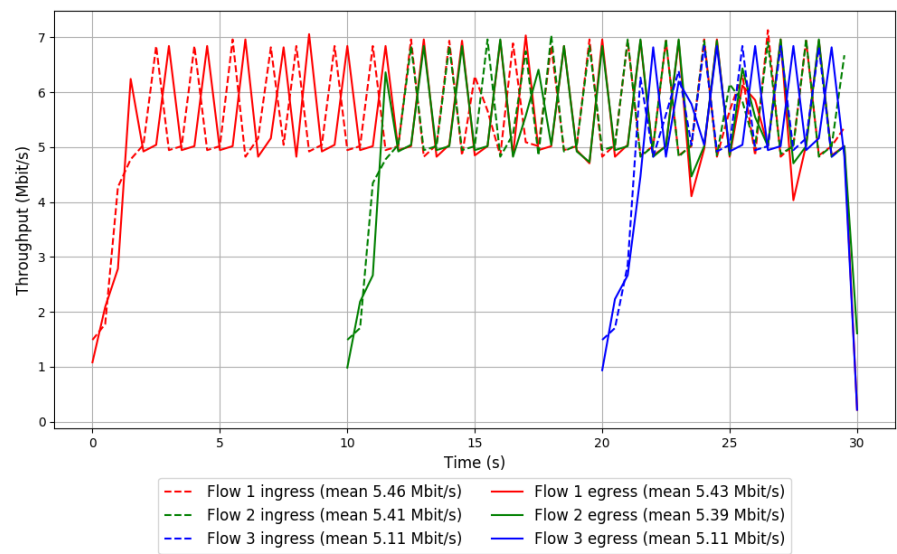
-- Flow 3:

Average throughput: 5.11 Mbit/s

95th percentile per-packet one-way delay: 75.411 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:08:58 +0000

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

Local clock offset: 0.456 ms

Remote clock offset: -4.836 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 78.112 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 78.111 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 78.269 ms

Loss rate: 0.43%

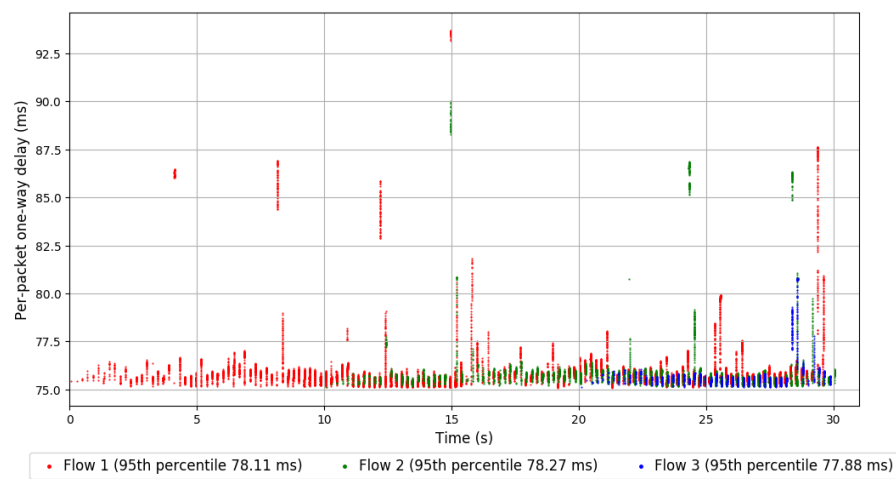
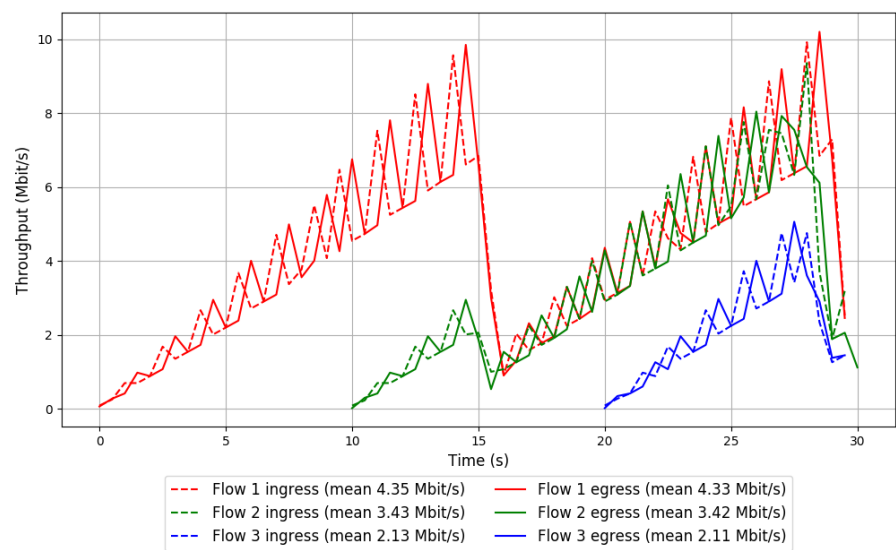
-- Flow 3:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 77.882 ms

Loss rate: 1.13%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:28:39 +0000

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

Local clock offset: -0.477 ms

Remote clock offset: -4.838 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 77.558 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 77.522 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 3.70 Mbit/s

95th percentile per-packet one-way delay: 78.965 ms

Loss rate: 0.49%

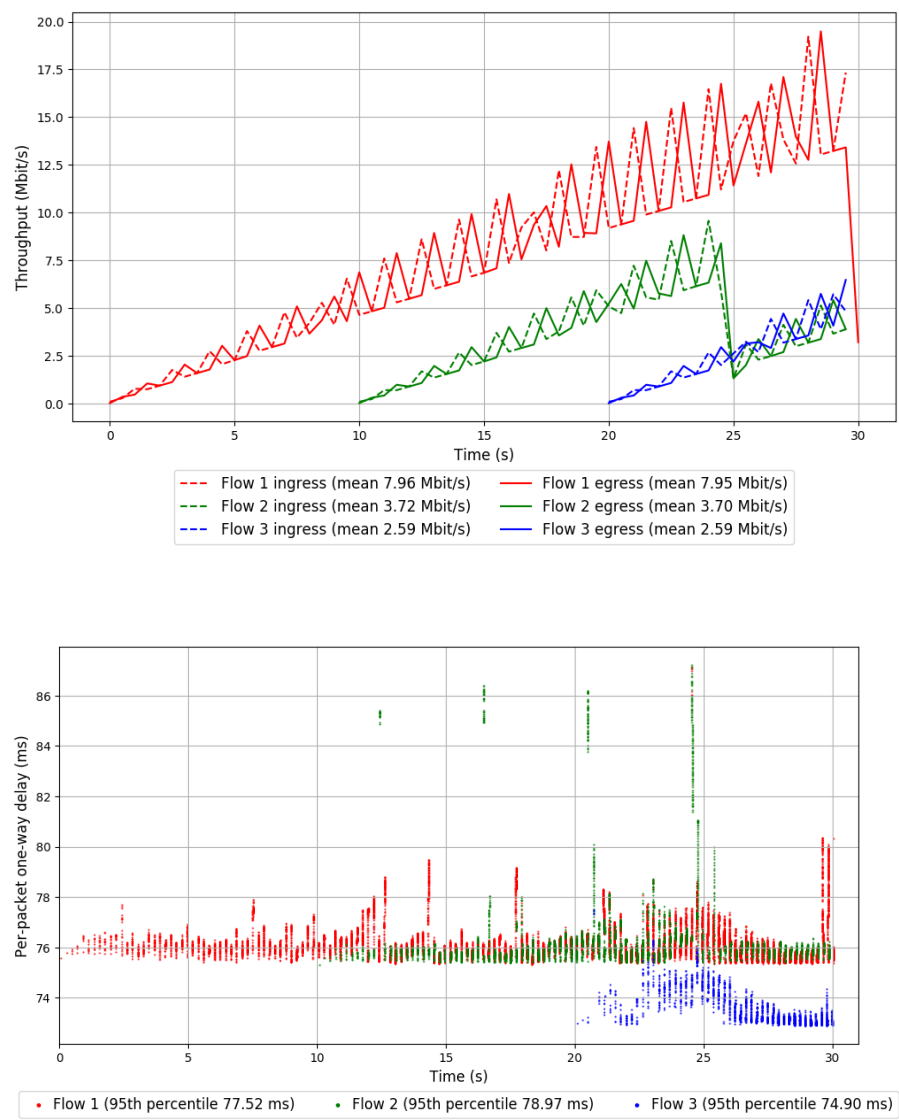
-- Flow 3:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 74.900 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 20:48:26 +0000

End at: Sun, 09 Jul 2017 20:48:56 +0000

Local clock offset: -0.582 ms

Remote clock offset: -5.136 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.68 Mbit/s

95th percentile per-packet one-way delay: 77.012 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 76.726 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 77.187 ms

Loss rate: 0.26%

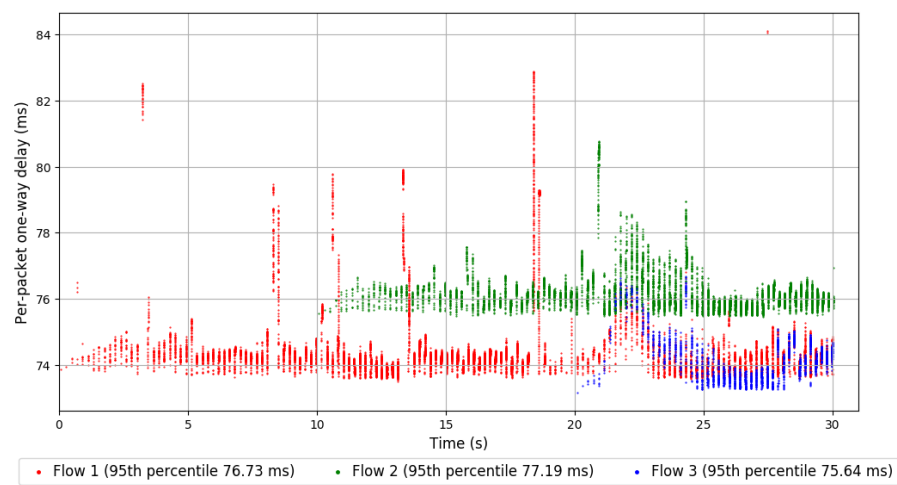
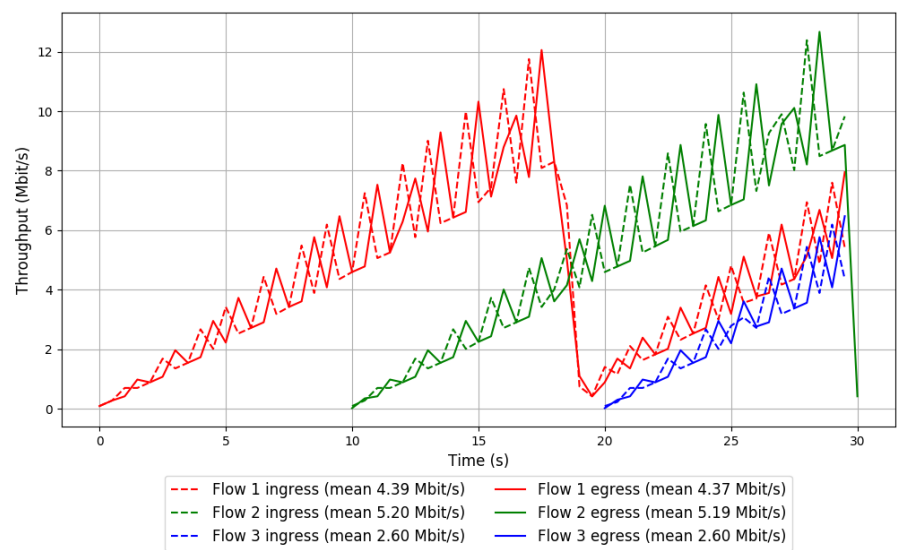
-- Flow 3:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 75.645 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:08:04 +0000

End at: Sun, 09 Jul 2017 21:08:34 +0000

Local clock offset: 0.717 ms

Remote clock offset: -4.584 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.24 Mbit/s

95th percentile per-packet one-way delay: 78.720 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 78.902 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 77.875 ms

Loss rate: 0.45%

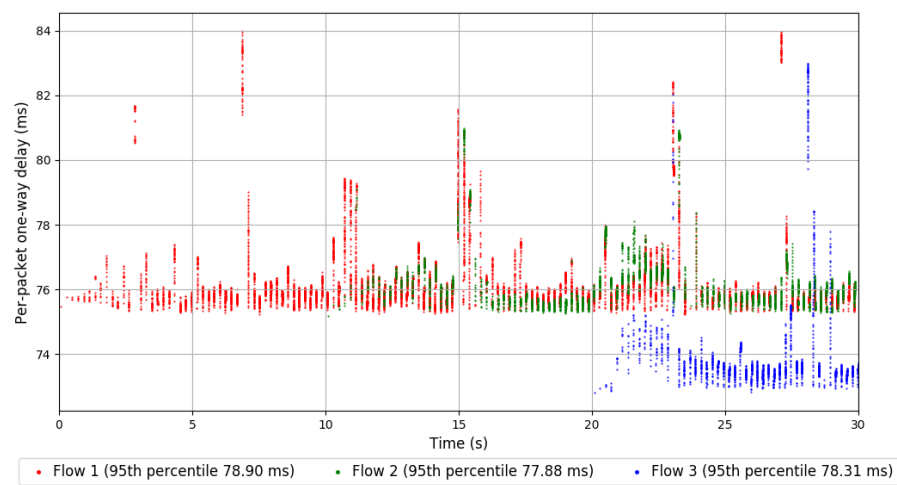
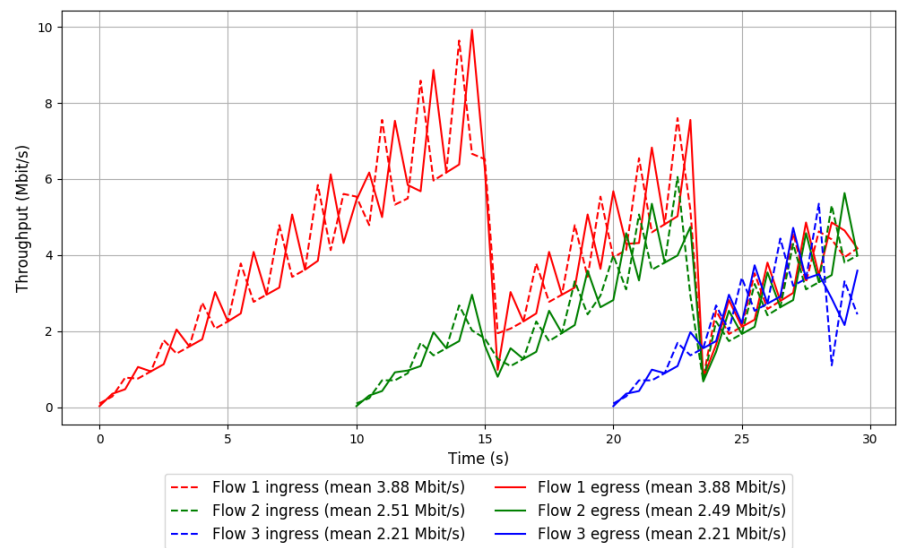
-- Flow 3:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 78.305 ms

Loss rate: 0.21%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

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

Local clock offset: 1.125 ms

Remote clock offset: -4.048 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 79.536 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 79.145 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 79.775 ms

Loss rate: 0.25%

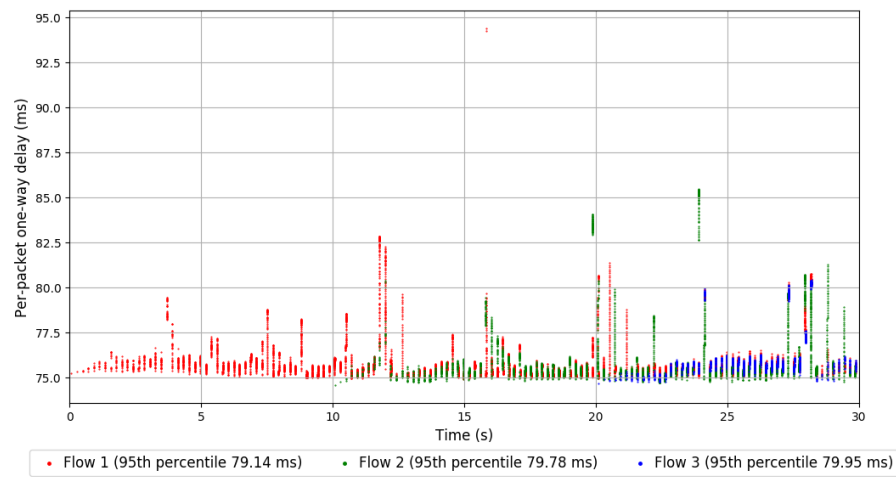
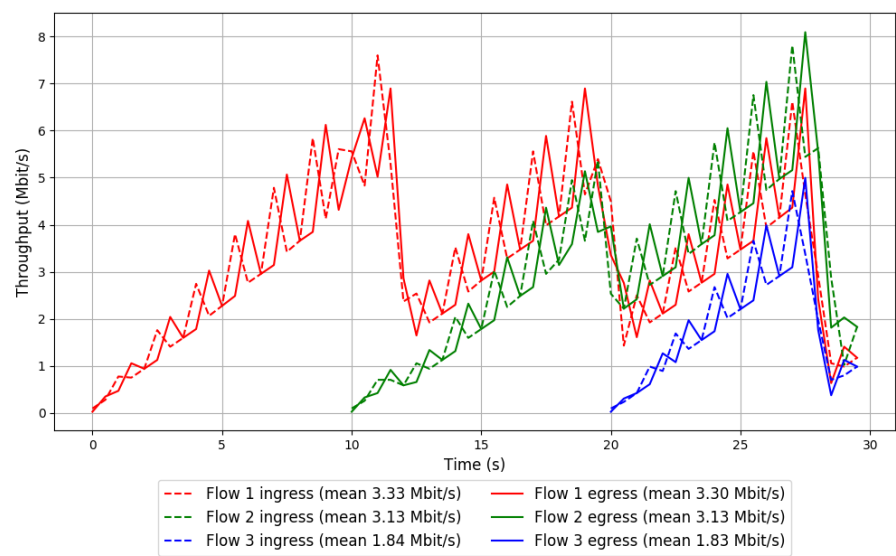
-- Flow 3:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 79.946 ms

Loss rate: 0.59%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 21:47:26 +0000

End at: Sun, 09 Jul 2017 21:47:56 +0000

Local clock offset: -0.063 ms

Remote clock offset: -3.56 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 76.626 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 76.796 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 76.675 ms

Loss rate: 0.68%

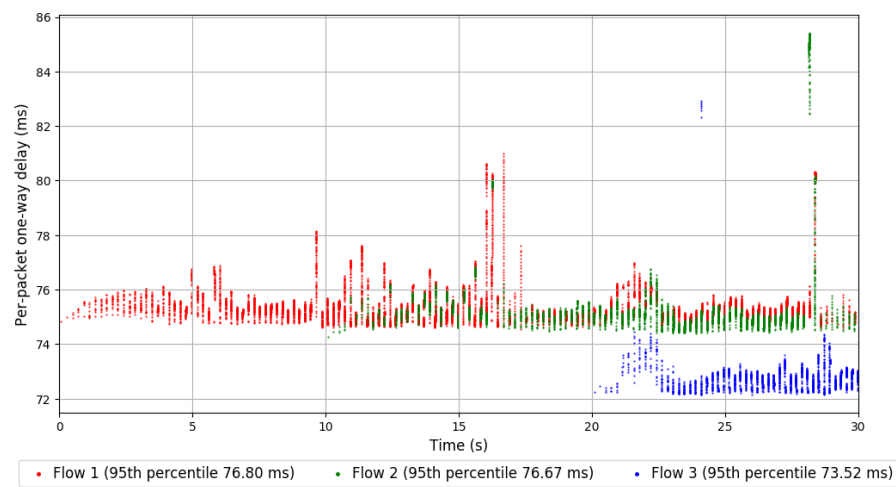
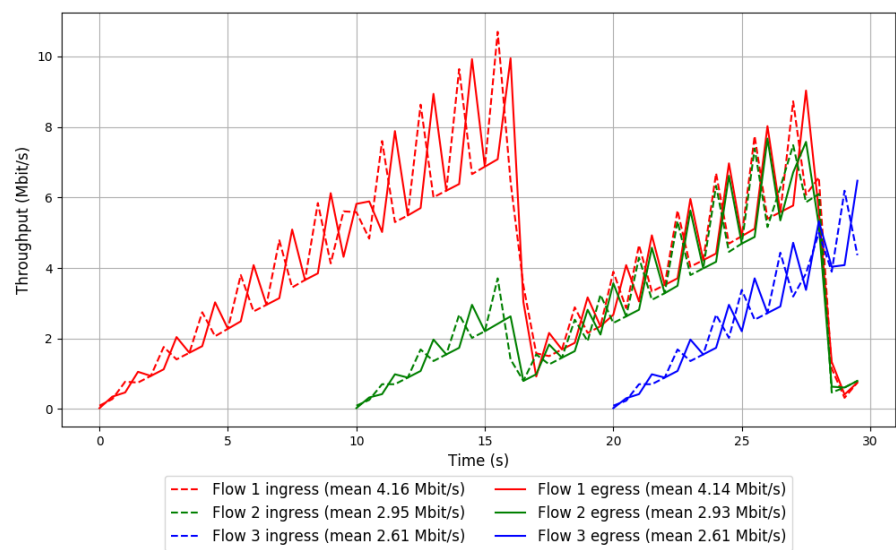
-- Flow 3:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 73.516 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:07:08 +0000

End at: Sun, 09 Jul 2017 22:07:38 +0000

Local clock offset: 1.034 ms

Remote clock offset: -3.117 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 76.989 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 78.009 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 76.358 ms

Loss rate: 0.58%

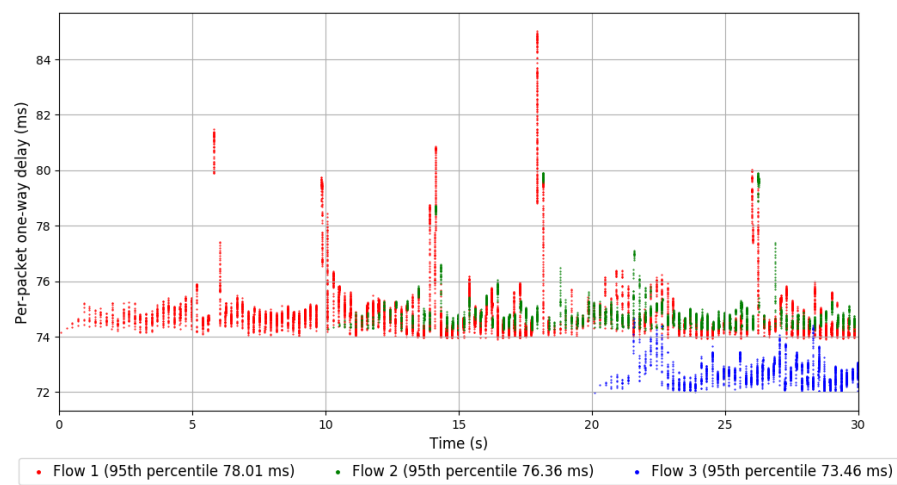
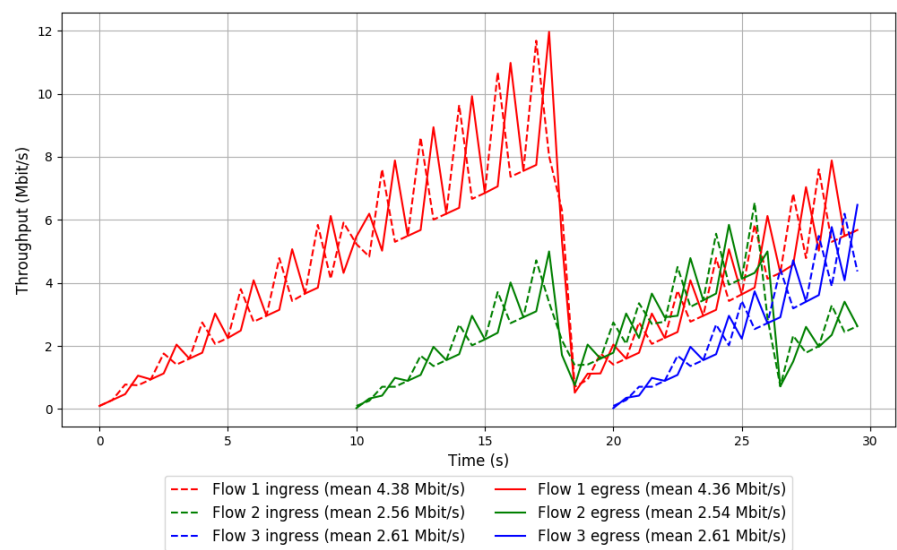
-- Flow 3:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 73.462 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:26:48 +0000

End at: Sun, 09 Jul 2017 22:27:18 +0000

Local clock offset: 0.026 ms

Remote clock offset: -2.722 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 75.082 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 73.620 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 76.855 ms

Loss rate: 0.05%

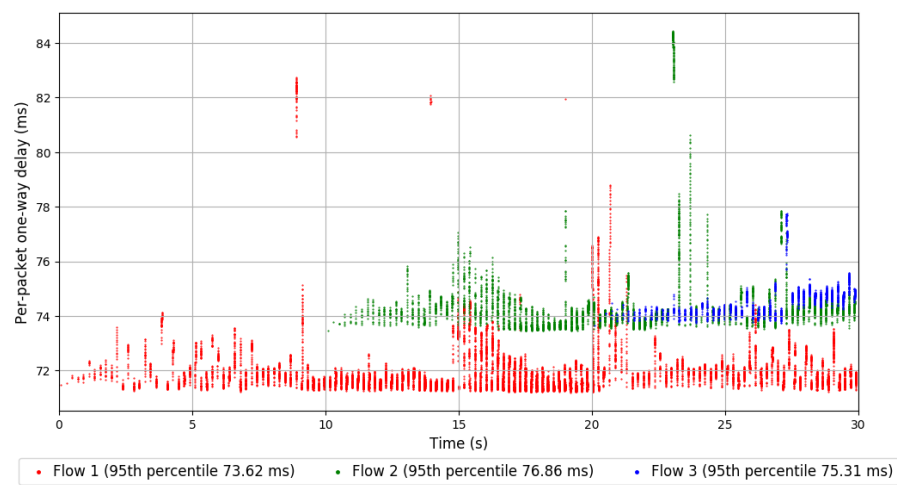
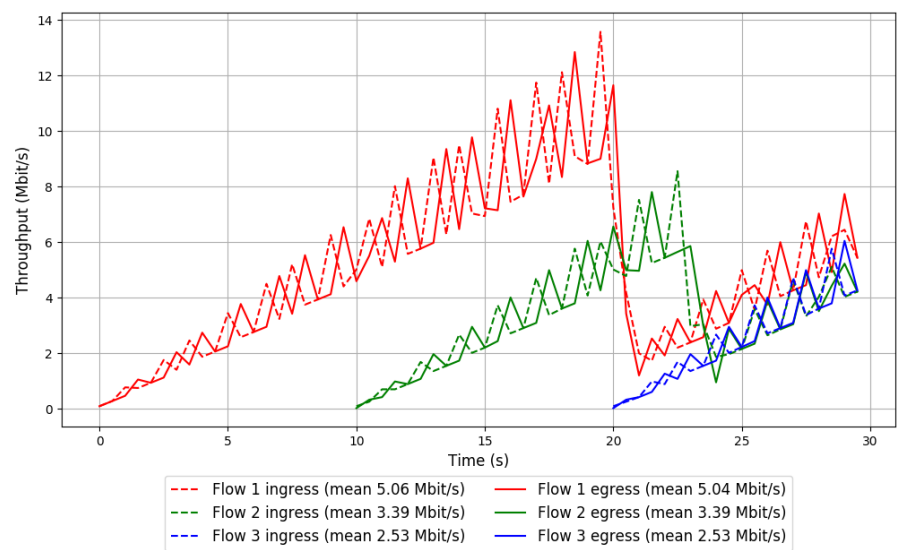
-- Flow 3:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 75.314 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 22:46:39 +0000

End at: Sun, 09 Jul 2017 22:47:09 +0000

Local clock offset: -0.182 ms

Remote clock offset: -2.212 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.72 Mbit/s

95th percentile per-packet one-way delay: 76.147 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 76.702 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 76.075 ms

Loss rate: 1.12%

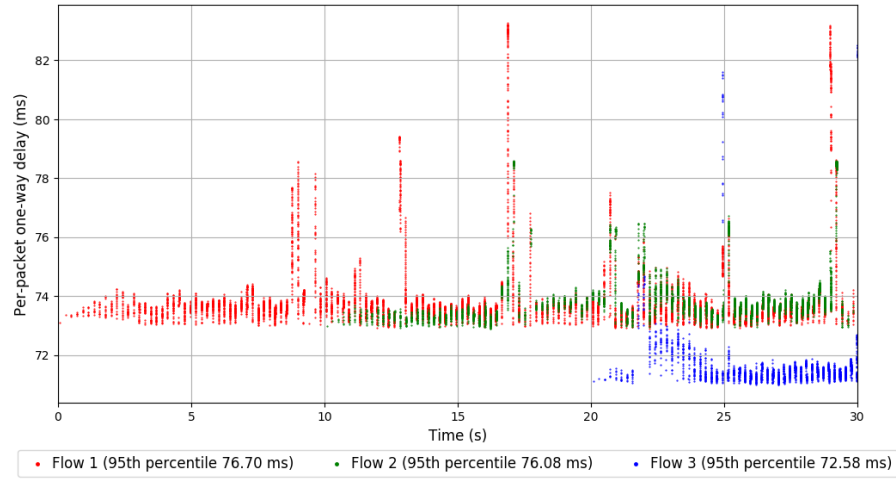
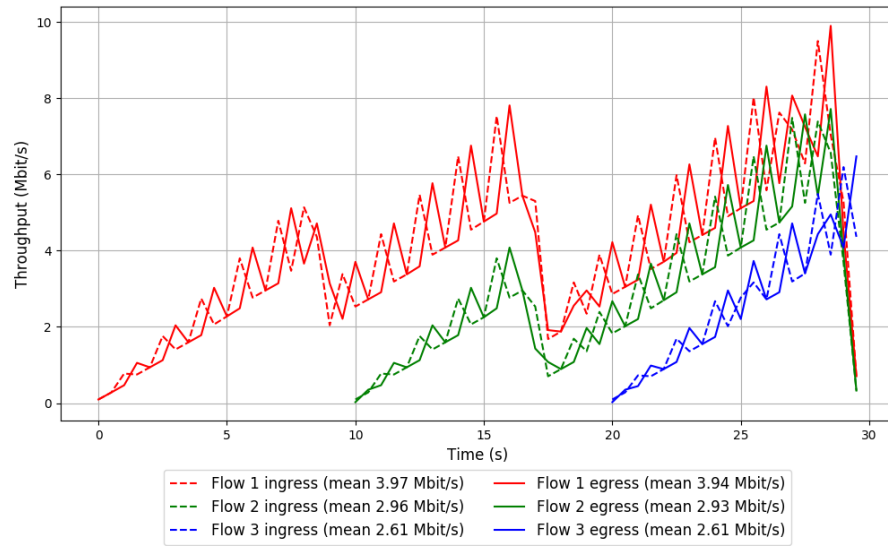
-- Flow 3:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 72.585 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 23:06:38 +0000

End at: Sun, 09 Jul 2017 23:07:08 +0000

Local clock offset: 0.652 ms

Remote clock offset: -1.56 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:55:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 74.192 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 74.442 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 73.346 ms

Loss rate: 0.49%

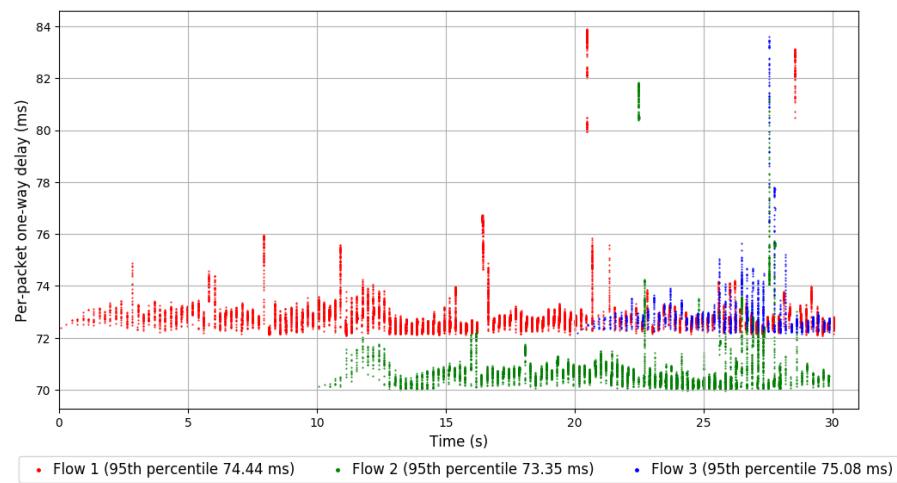
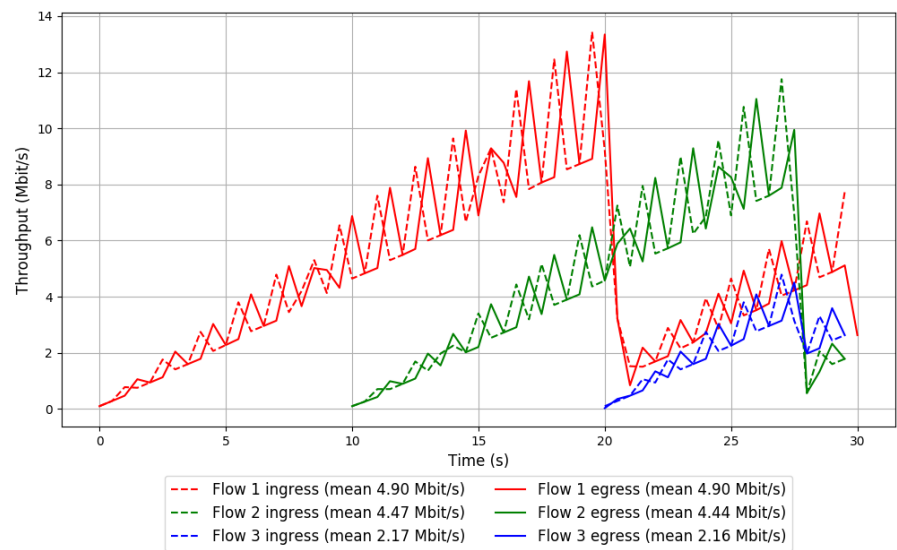
-- Flow 3:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 75.084 ms

Loss rate: 0.66%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:16:48 +0000

End at: Sun, 09 Jul 2017 20:17:18 +0000

Local clock offset: 0.942 ms

Remote clock offset: -4.826 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 80.808 ms

Loss rate: 4.97%

-- Flow 1:

Average throughput: 55.77 Mbit/s

95th percentile per-packet one-way delay: 80.813 ms

Loss rate: 4.33%

-- Flow 2:

Average throughput: 27.50 Mbit/s

95th percentile per-packet one-way delay: 78.690 ms

Loss rate: 5.93%

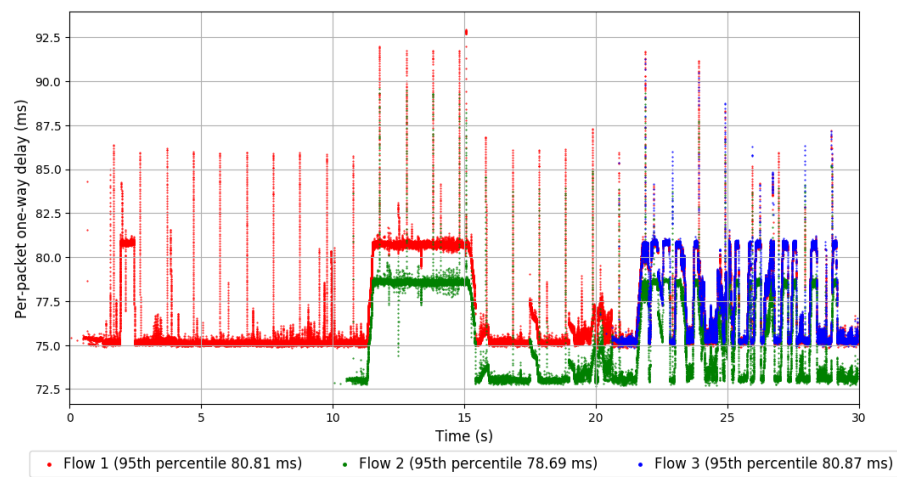
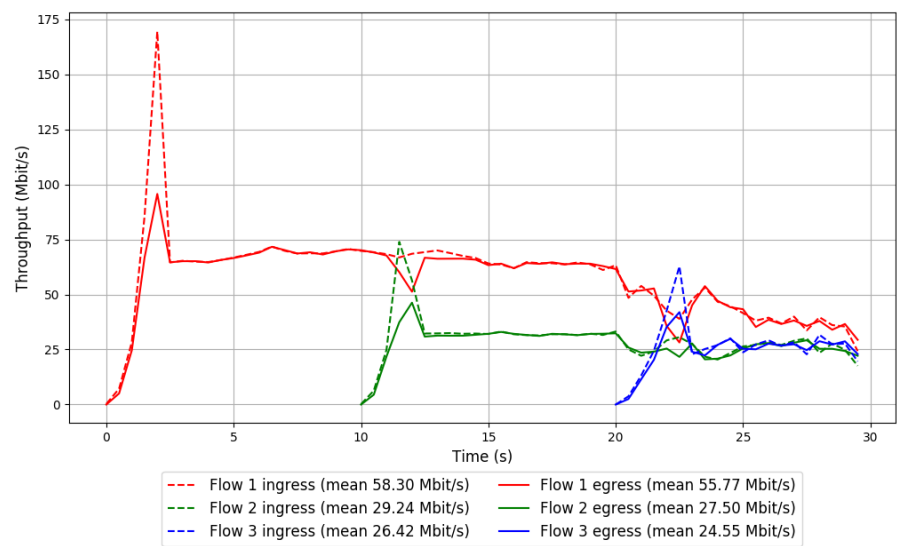
-- Flow 3:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 80.870 ms

Loss rate: 7.12%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

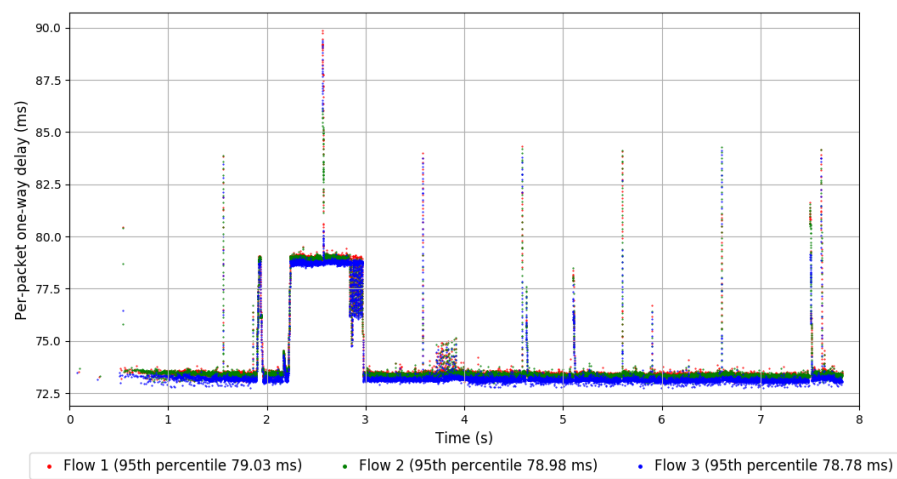
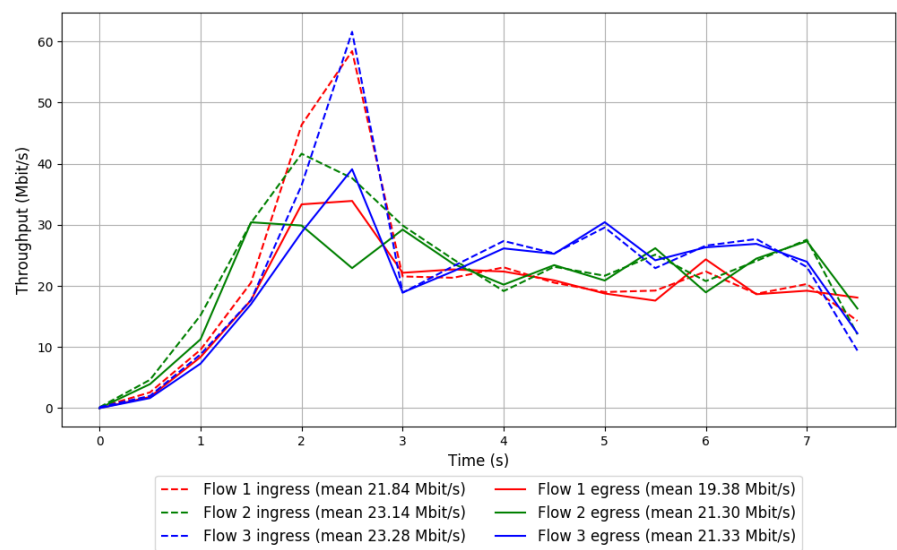
Start at: Sun, 09 Jul 2017 20:36:30 +0000

End at: Sun, 09 Jul 2017 20:37:00 +0000

Local clock offset: -0.553 ms

Remote clock offset: -4.917 ms

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 20:56:17 +0000

End at: Sun, 09 Jul 2017 20:56:47 +0000

Local clock offset: -0.422 ms

Remote clock offset: -4.918 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.00 Mbit/s

95th percentile per-packet one-way delay: 78.847 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 65.51 Mbit/s

95th percentile per-packet one-way delay: 78.771 ms

Loss rate: 2.78%

-- Flow 2:

Average throughput: 15.86 Mbit/s

95th percentile per-packet one-way delay: 80.905 ms

Loss rate: 2.18%

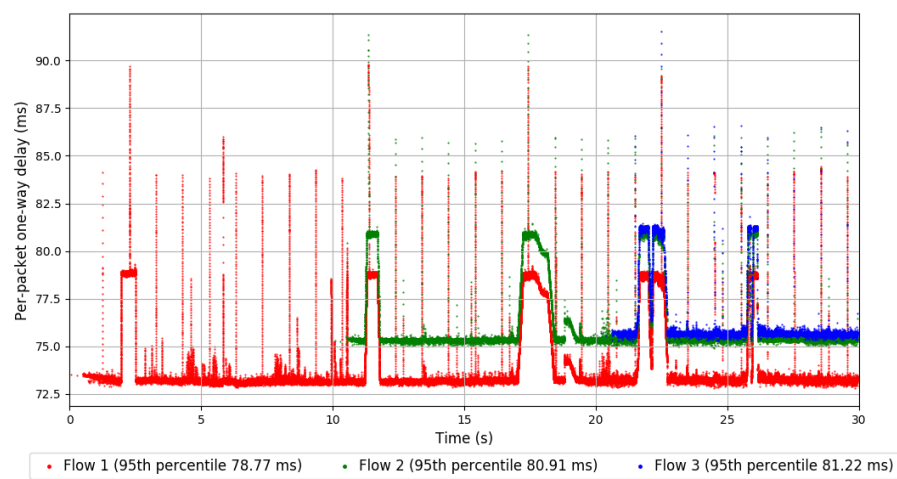
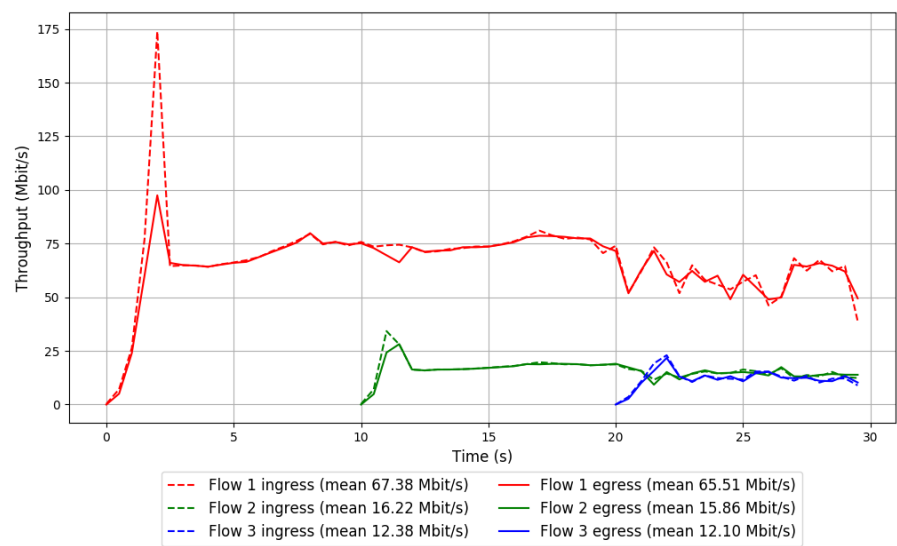
-- Flow 3:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 81.221 ms

Loss rate: 2.34%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

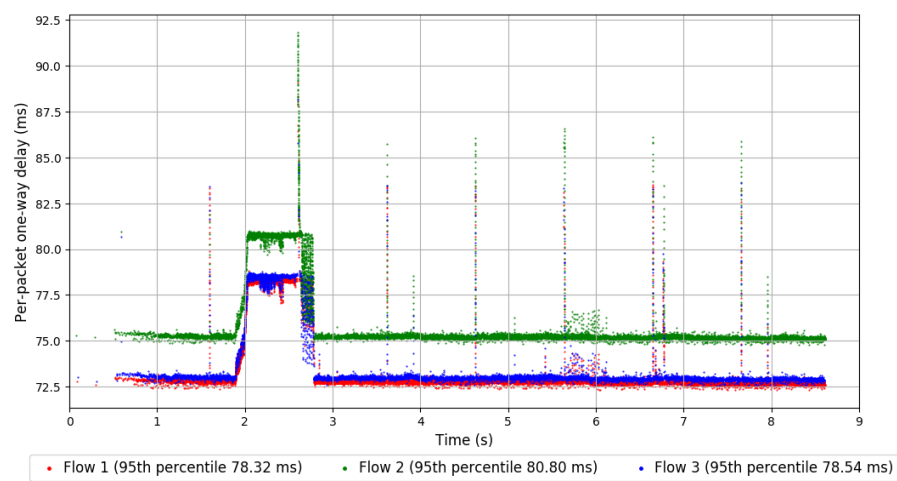
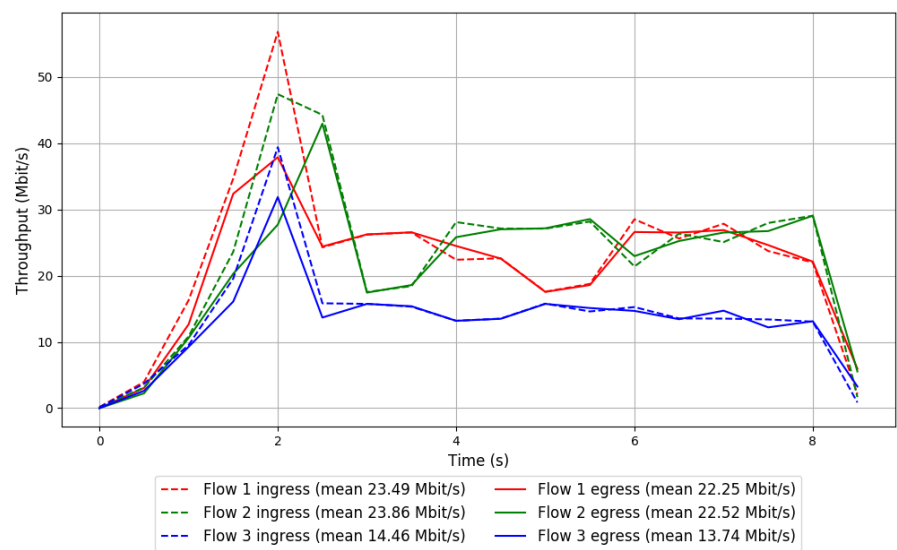
Start at: Sun, 09 Jul 2017 21:15:52 +0000

End at: Sun, 09 Jul 2017 21:16:22 +0000

Local clock offset: -0.423 ms

Remote clock offset: -4.321 ms

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:35:31 +0000

End at: Sun, 09 Jul 2017 21:36:01 +0000

Local clock offset: 1.007 ms

Remote clock offset: -3.847 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.94 Mbit/s

95th percentile per-packet one-way delay: 80.482 ms

Loss rate: 3.23%

-- Flow 1:

Average throughput: 71.26 Mbit/s

95th percentile per-packet one-way delay: 80.490 ms

Loss rate: 3.18%

-- Flow 2:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 78.109 ms

Loss rate: 3.65%

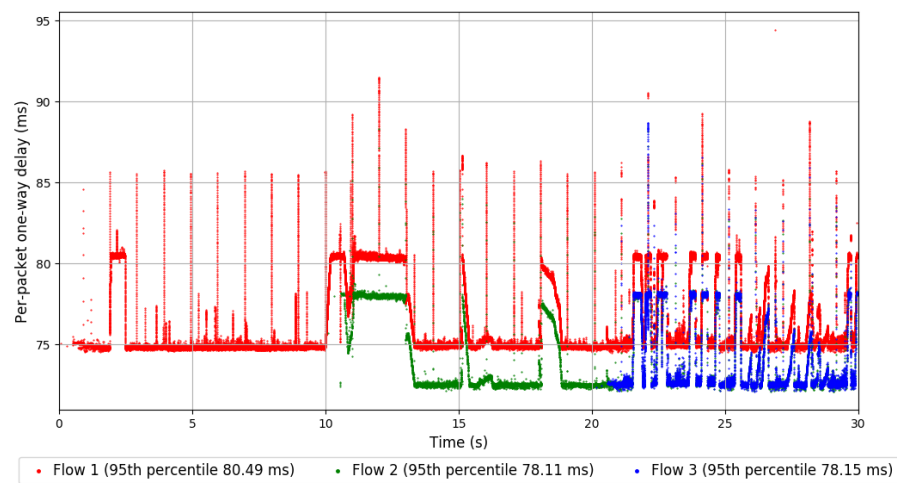
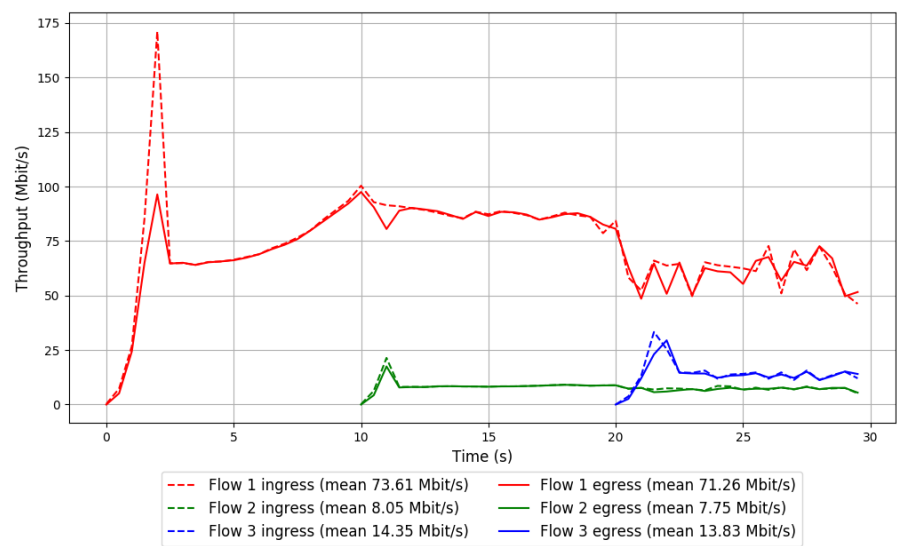
-- Flow 3:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 78.151 ms

Loss rate: 3.54%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 09 Jul 2017 21:55:13 +0000

End at: Sun, 09 Jul 2017 21:55:43 +0000

Local clock offset: -0.165 ms

Remote clock offset: -3.379 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.00 Mbit/s

95th percentile per-packet one-way delay: 77.969 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 77.945 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 80.143 ms

Loss rate: 3.23%

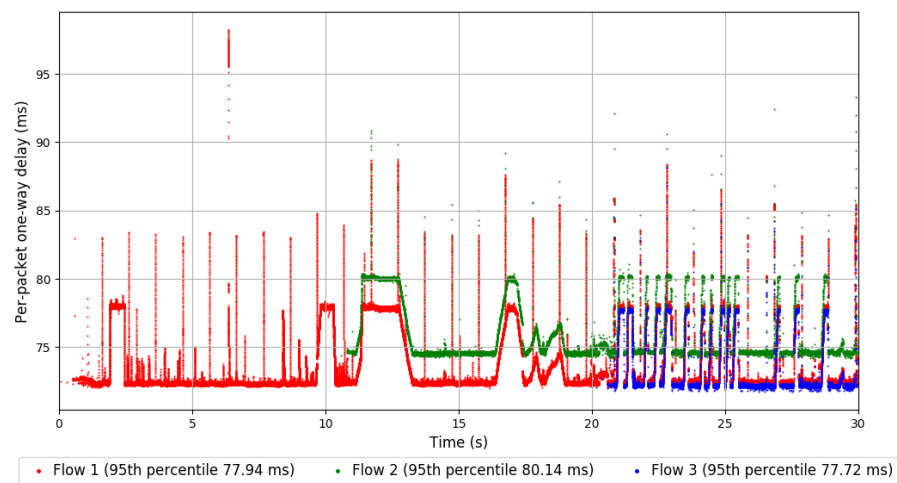
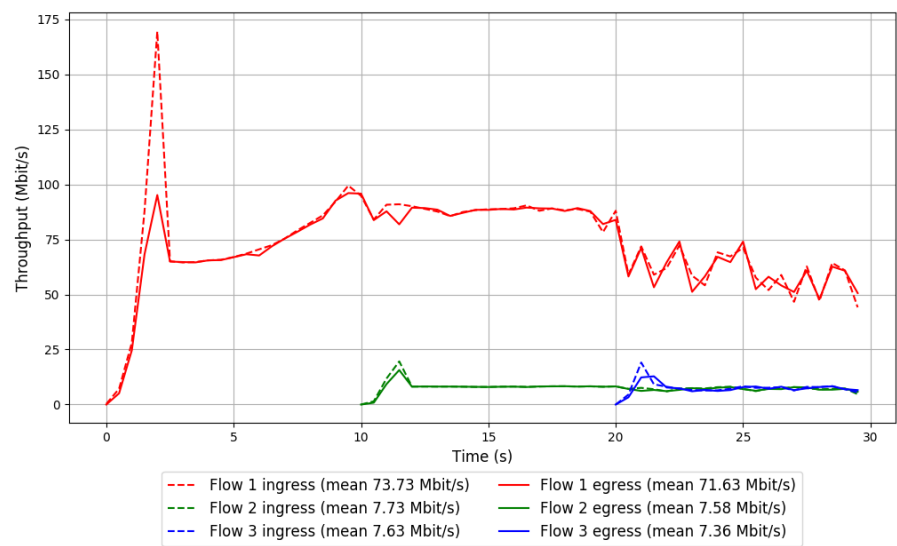
-- Flow 3:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 77.723 ms

Loss rate: 3.57%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:14:56 +0000

End at: Sun, 09 Jul 2017 22:15:26 +0000

Local clock offset: 1.435 ms

Remote clock offset: -2.964 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 77.554 ms

Loss rate: 2.69%

-- Flow 1:

Average throughput: 67.26 Mbit/s

95th percentile per-packet one-way delay: 77.509 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 14.16 Mbit/s

95th percentile per-packet one-way delay: 79.447 ms

Loss rate: 2.39%

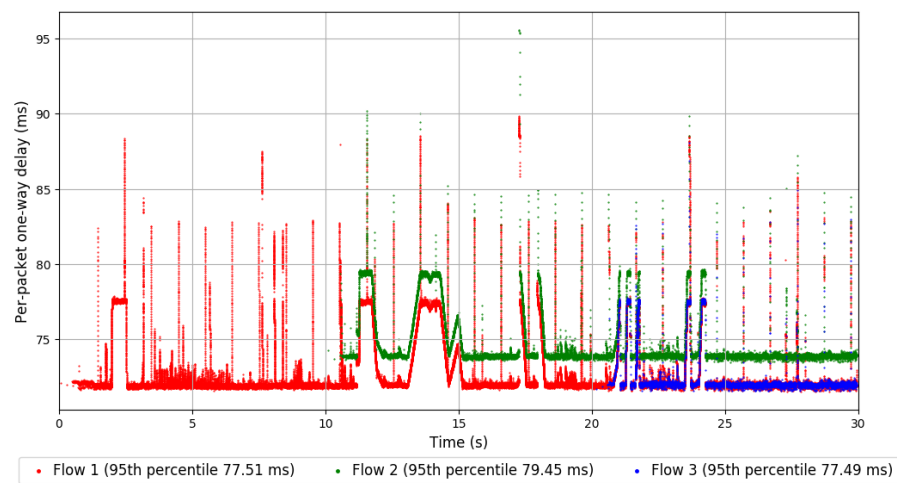
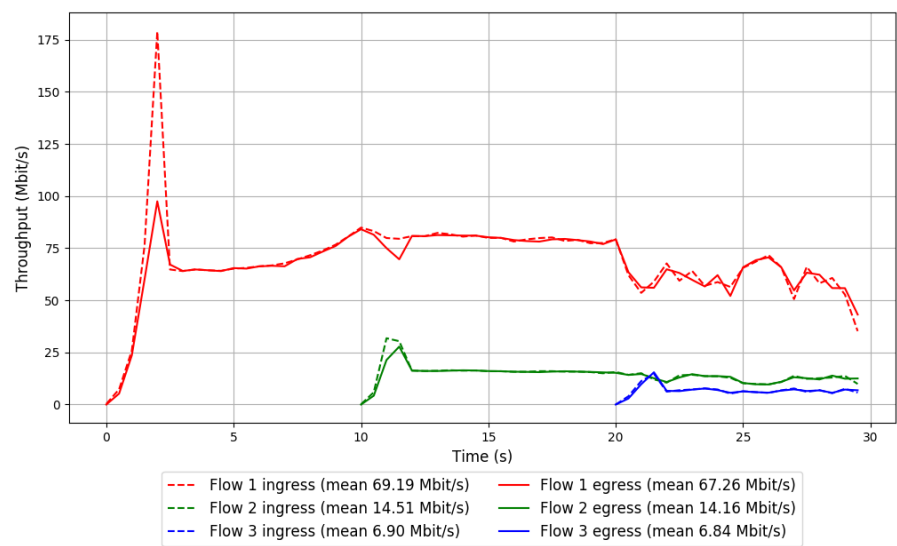
-- Flow 3:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 77.488 ms

Loss rate: 0.96%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 09 Jul 2017 22:34:37 +0000

End at: Sun, 09 Jul 2017 22:35:07 +0000

Local clock offset: 1.026 ms

Remote clock offset: -2.488 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.48 Mbit/s

95th percentile per-packet one-way delay: 76.996 ms

Loss rate: 4.88%

-- Flow 1:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 76.829 ms

Loss rate: 4.13%

-- Flow 2:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 78.938 ms

Loss rate: 5.74%

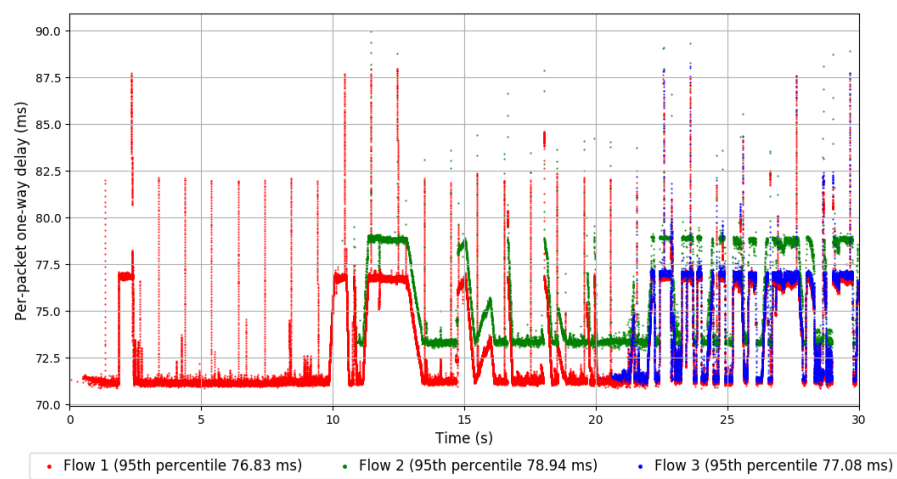
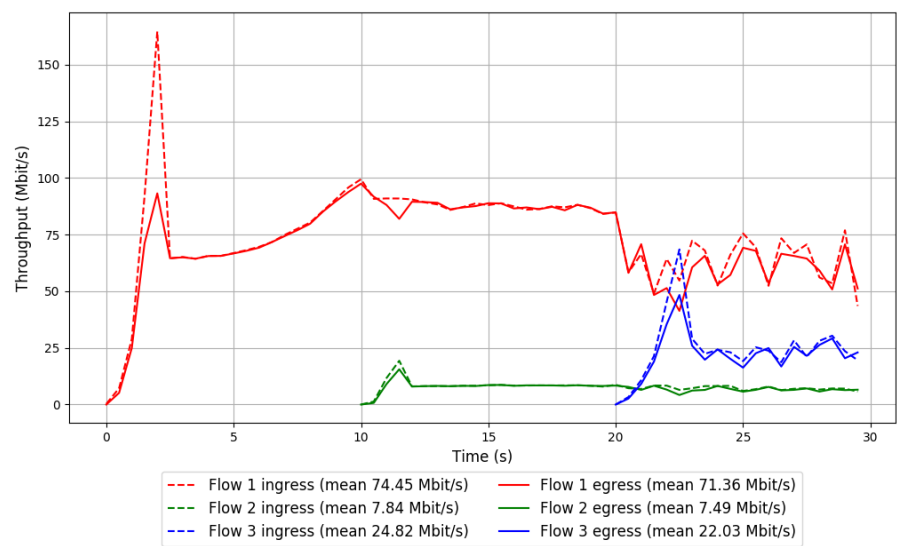
-- Flow 3:

Average throughput: 22.03 Mbit/s

95th percentile per-packet one-way delay: 77.084 ms

Loss rate: 11.20%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

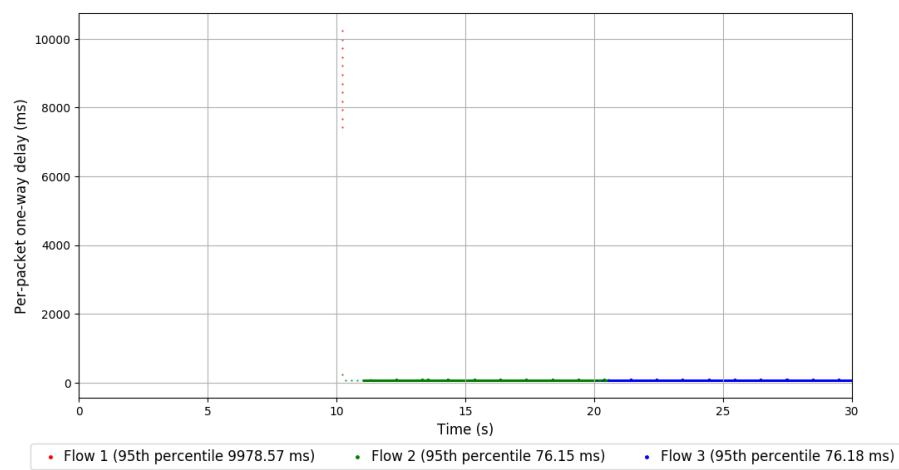
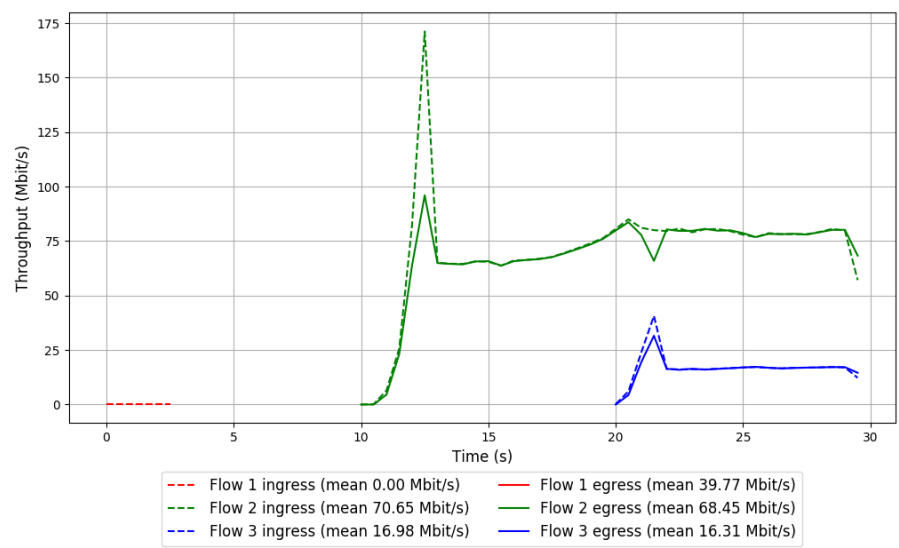
Start at: Sun, 09 Jul 2017 22:54:37 +0000

End at: Sun, 09 Jul 2017 22:55:07 +0000

Local clock offset: -0.159 ms

Remote clock offset: -2.003 ms

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 09 Jul 2017 23:14:28 +0000

End at: Sun, 09 Jul 2017 23:14:58 +0000

Local clock offset: -0.34 ms

Remote clock offset: -1.435 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.58 Mbit/s

95th percentile per-packet one-way delay: 77.871 ms

Loss rate: 4.81%

-- Flow 1:

Average throughput: 64.20 Mbit/s

95th percentile per-packet one-way delay: 77.886 ms

Loss rate: 4.22%

-- Flow 2:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 75.670 ms

Loss rate: 5.42%

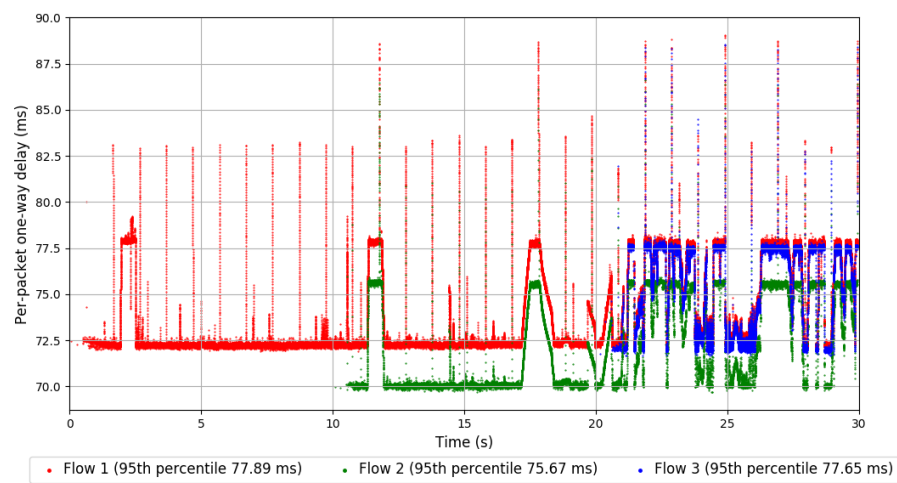
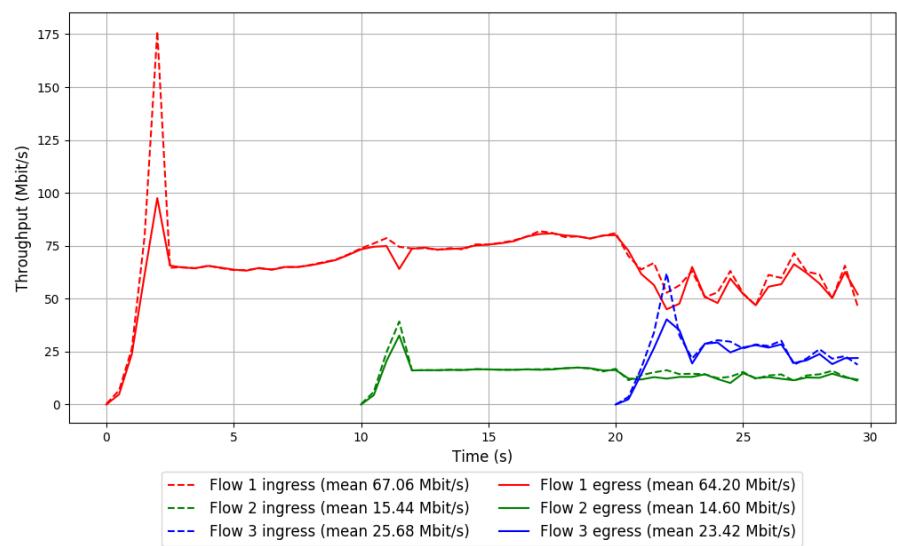
-- Flow 3:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 77.646 ms

Loss rate: 8.76%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:14:02 +0000

End at: Sun, 09 Jul 2017 20:14:32 +0000

Local clock offset: 0.931 ms

Remote clock offset: -4.867 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.13 Mbit/s

95th percentile per-packet one-way delay: 77.573 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 26.01 Mbit/s

95th percentile per-packet one-way delay: 77.822 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 29.56 Mbit/s

95th percentile per-packet one-way delay: 77.402 ms

Loss rate: 1.02%

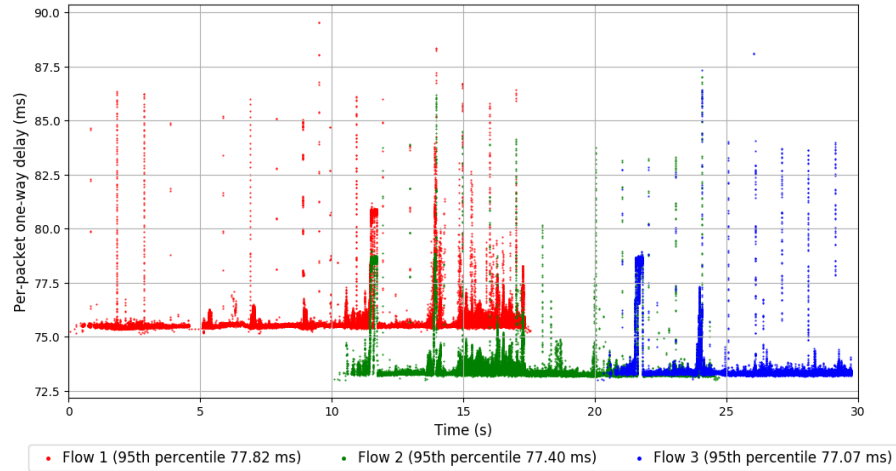
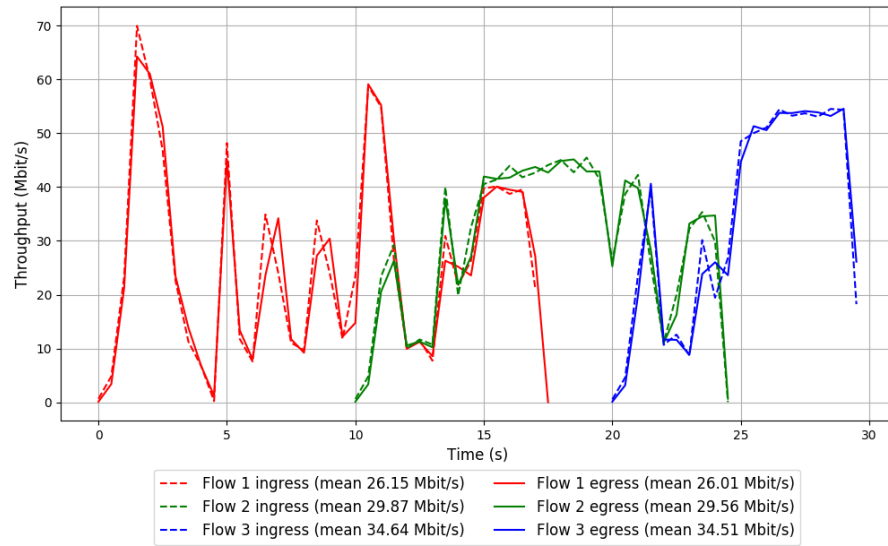
-- Flow 3:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 77.072 ms

Loss rate: 0.39%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 20:33:43 +0000

End at: Sun, 09 Jul 2017 20:34:13 +0000

Local clock offset: -0.514 ms

Remote clock offset: -4.952 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 78.518 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 27.40 Mbit/s

95th percentile per-packet one-way delay: 80.689 ms

Loss rate: 1.87%

-- Flow 2:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 78.134 ms

Loss rate: 1.13%

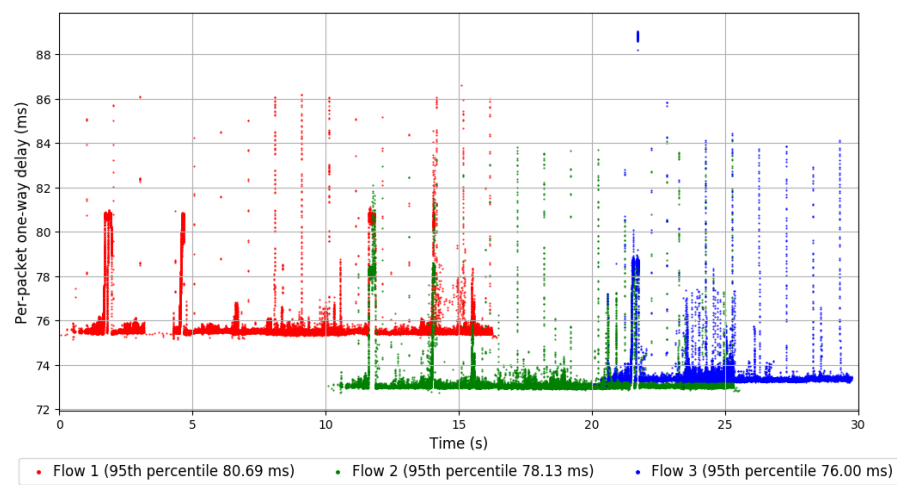
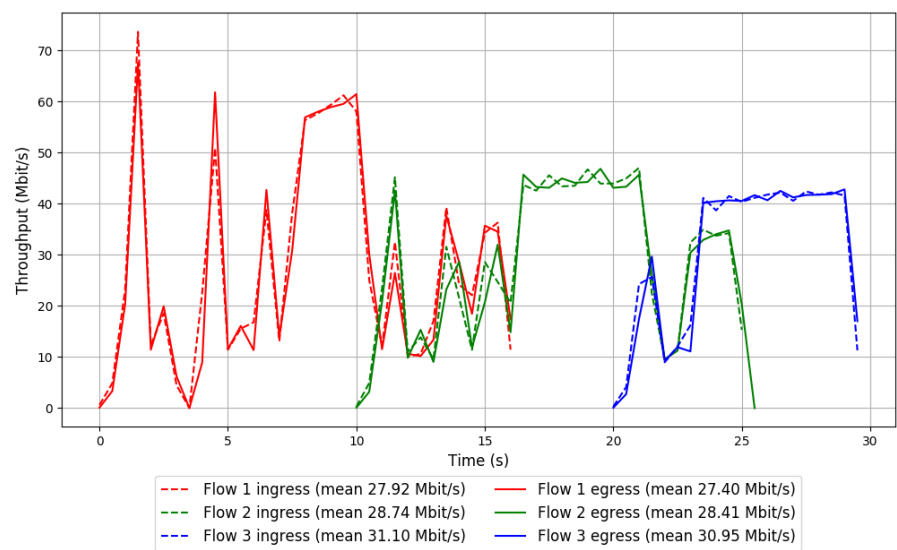
-- Flow 3:

Average throughput: 30.95 Mbit/s

95th percentile per-packet one-way delay: 75.995 ms

Loss rate: 0.50%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

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

End at: Sun, 09 Jul 2017 20:54:00 +0000

Local clock offset: 0.45 ms

Remote clock offset: -5.059 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.37 Mbit/s

95th percentile per-packet one-way delay: 77.954 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 28.49 Mbit/s

95th percentile per-packet one-way delay: 77.838 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 78.241 ms

Loss rate: 1.22%

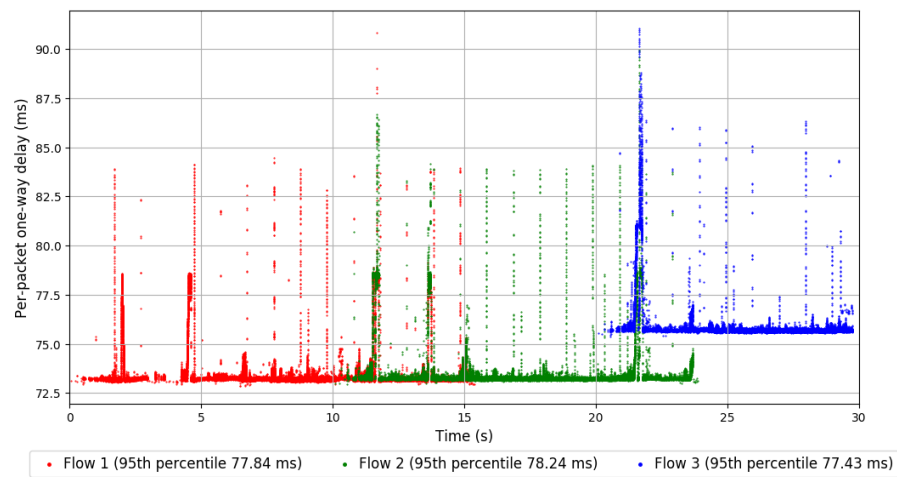
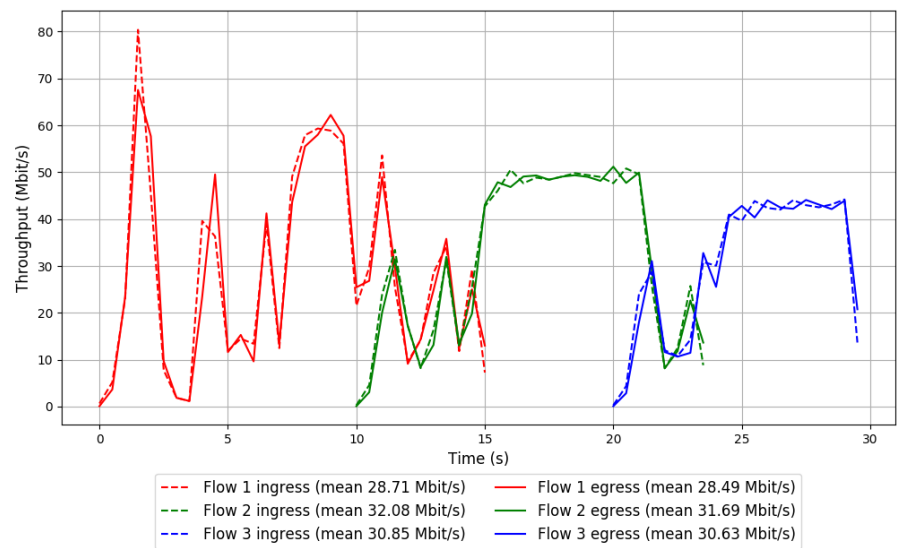
-- Flow 3:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 77.432 ms

Loss rate: 0.73%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:13:08 +0000

End at: Sun, 09 Jul 2017 21:13:38 +0000

Local clock offset: 1.057 ms

Remote clock offset: -4.449 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 78.110 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 77.505 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 24.95 Mbit/s

95th percentile per-packet one-way delay: 78.226 ms

Loss rate: 1.82%

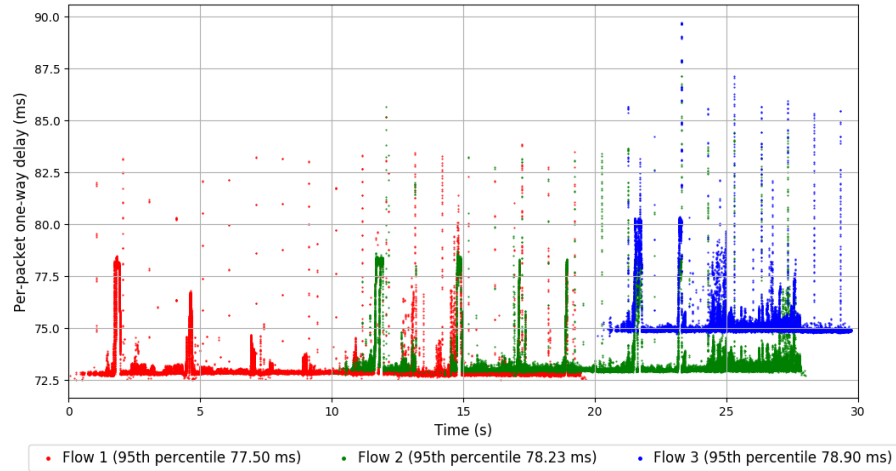
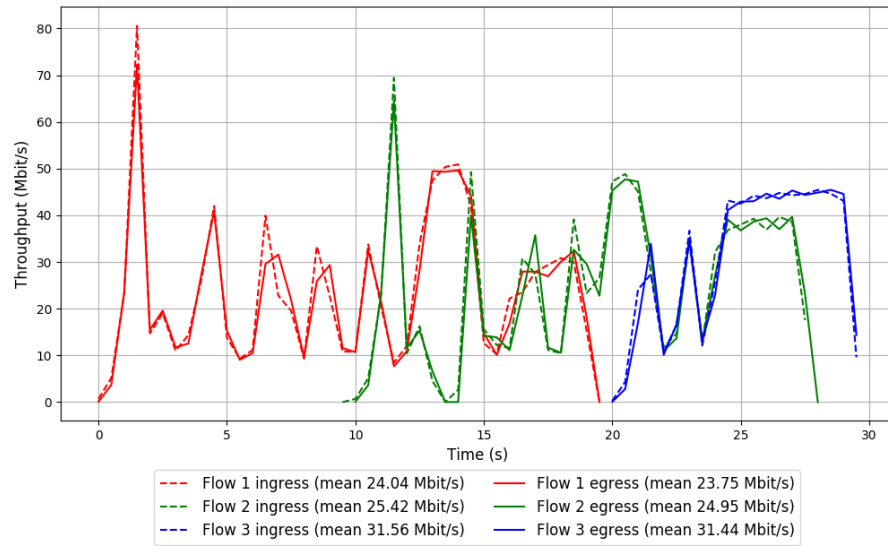
-- Flow 3:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 78.900 ms

Loss rate: 0.40%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:32:48 +0000

End at: Sun, 09 Jul 2017 21:33:18 +0000

Local clock offset: -0.23 ms

Remote clock offset: -3.831 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:56:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.12 Mbit/s

95th percentile per-packet one-way delay: 79.892 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 77.569 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 79.945 ms

Loss rate: 2.98%

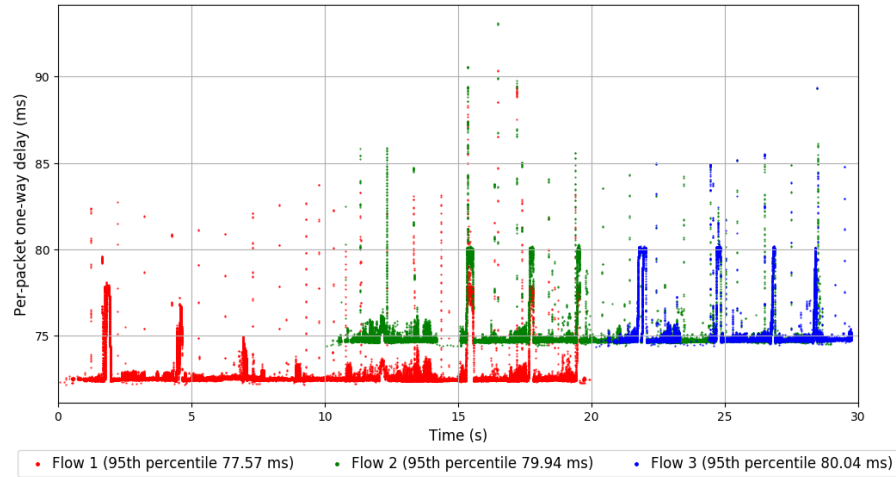
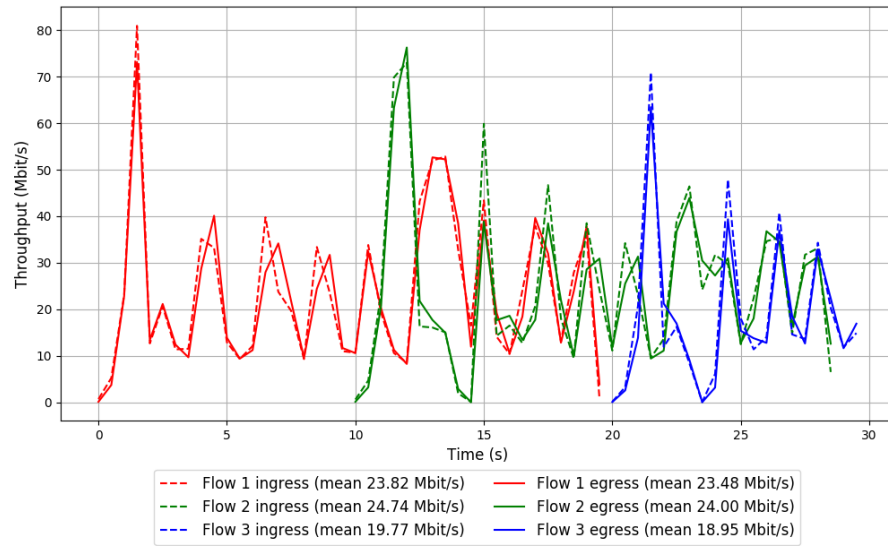
-- Flow 3:

Average throughput: 18.95 Mbit/s

95th percentile per-packet one-way delay: 80.040 ms

Loss rate: 4.13%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 21:52:29 +0000

End at: Sun, 09 Jul 2017 21:52:59 +0000

Local clock offset: 1.424 ms

Remote clock offset: -3.475 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 77.579 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 77.636 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 76.998 ms

Loss rate: 0.71%

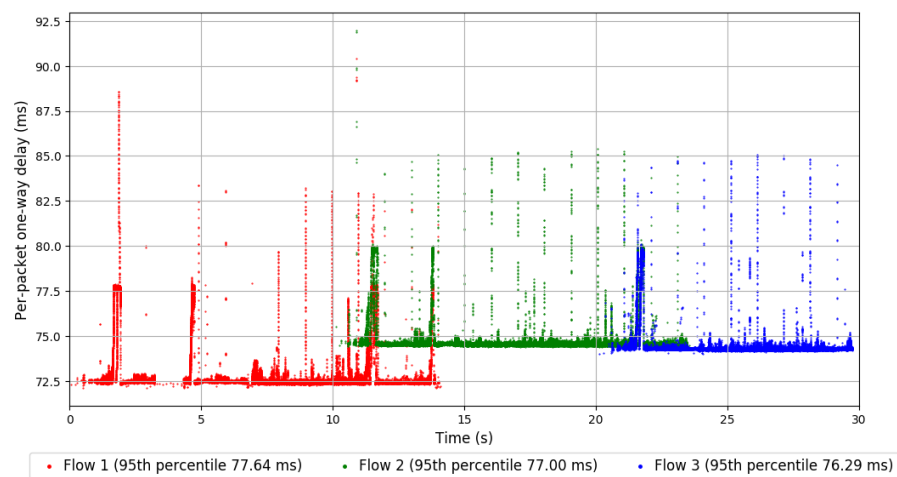
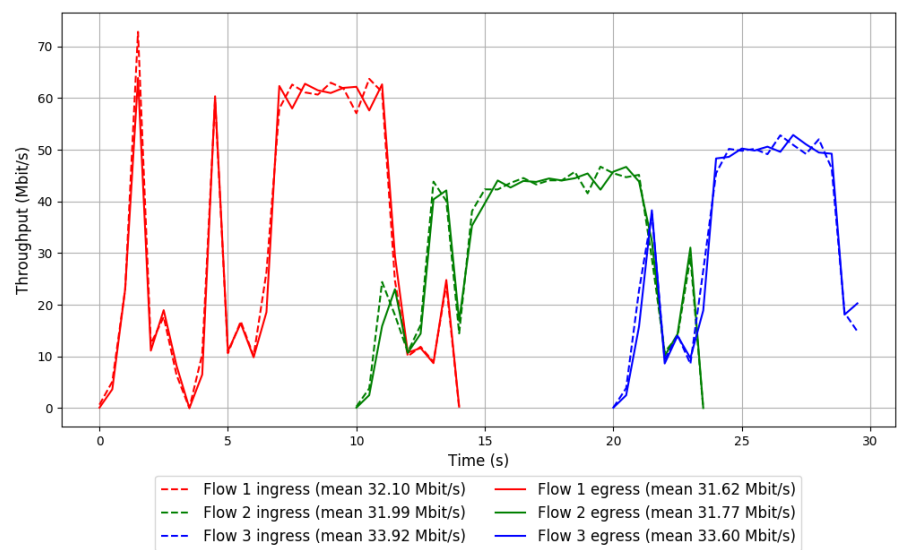
-- Flow 3:

Average throughput: 33.60 Mbit/s

95th percentile per-packet one-way delay: 76.294 ms

Loss rate: 0.97%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:12:12 +0000

End at: Sun, 09 Jul 2017 22:12:42 +0000

Local clock offset: -0.022 ms

Remote clock offset: -3.088 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.07 Mbit/s

95th percentile per-packet one-way delay: 76.368 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 76.867 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 36.22 Mbit/s

95th percentile per-packet one-way delay: 76.782 ms

Loss rate: 1.62%

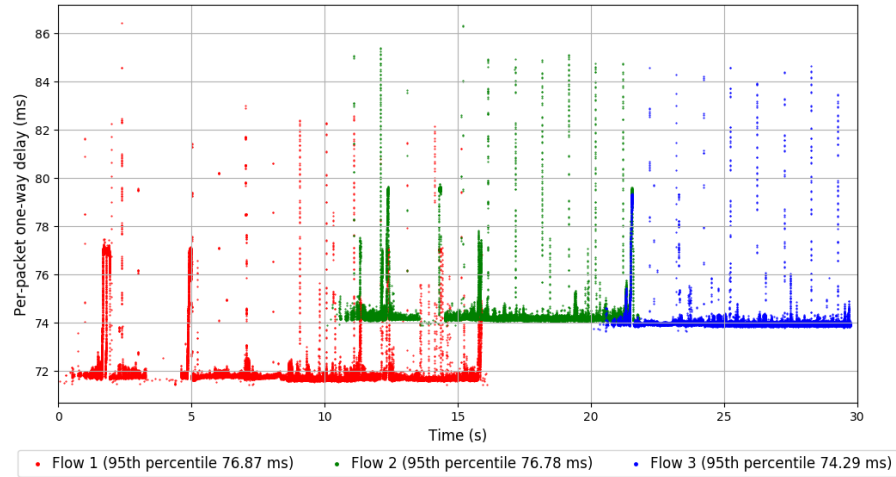
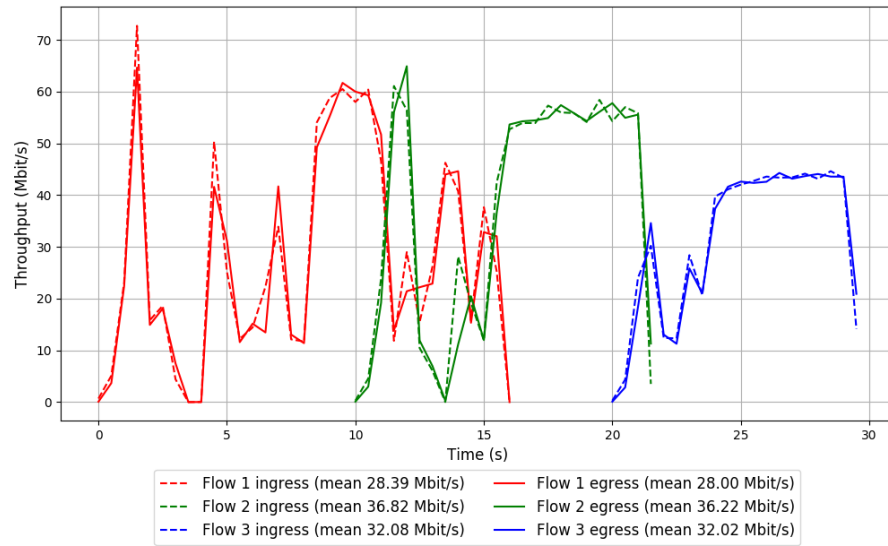
-- Flow 3:

Average throughput: 32.02 Mbit/s

95th percentile per-packet one-way delay: 74.287 ms

Loss rate: 0.19%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:31:52 +0000

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

Local clock offset: -0.037 ms

Remote clock offset: -2.605 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.15 Mbit/s

95th percentile per-packet one-way delay: 78.394 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 78.873 ms

Loss rate: 1.80%

-- Flow 2:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 75.947 ms

Loss rate: 1.06%

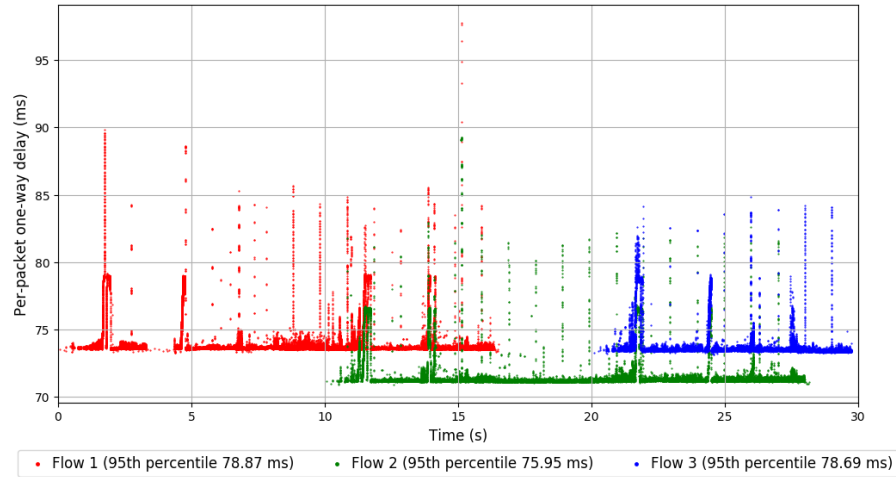
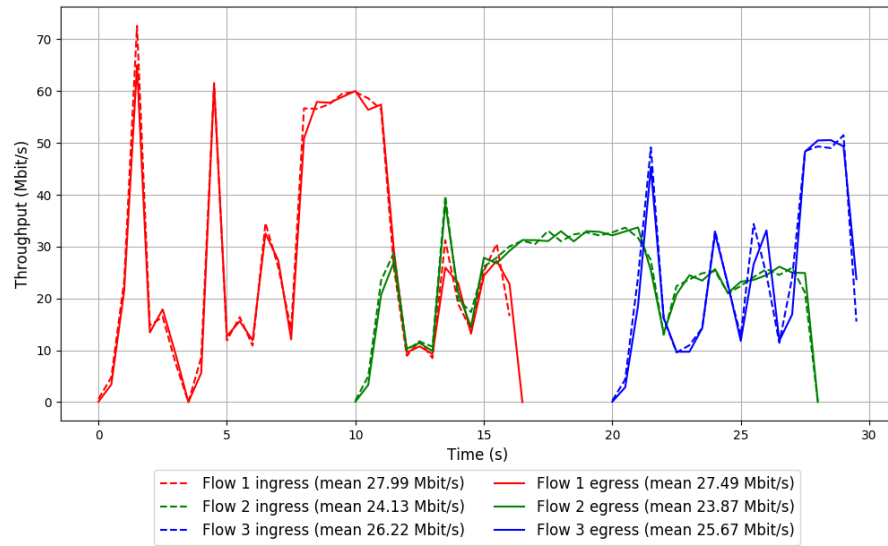
-- Flow 3:

Average throughput: 25.67 Mbit/s

95th percentile per-packet one-way delay: 78.685 ms

Loss rate: 2.11%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 22:51:47 +0000

End at: Sun, 09 Jul 2017 22:52:17 +0000

Local clock offset: -0.139 ms

Remote clock offset: -2.072 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.69 Mbit/s

95th percentile per-packet one-way delay: 77.896 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 23.05 Mbit/s

95th percentile per-packet one-way delay: 78.018 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 26.15 Mbit/s

95th percentile per-packet one-way delay: 78.283 ms

Loss rate: 1.46%

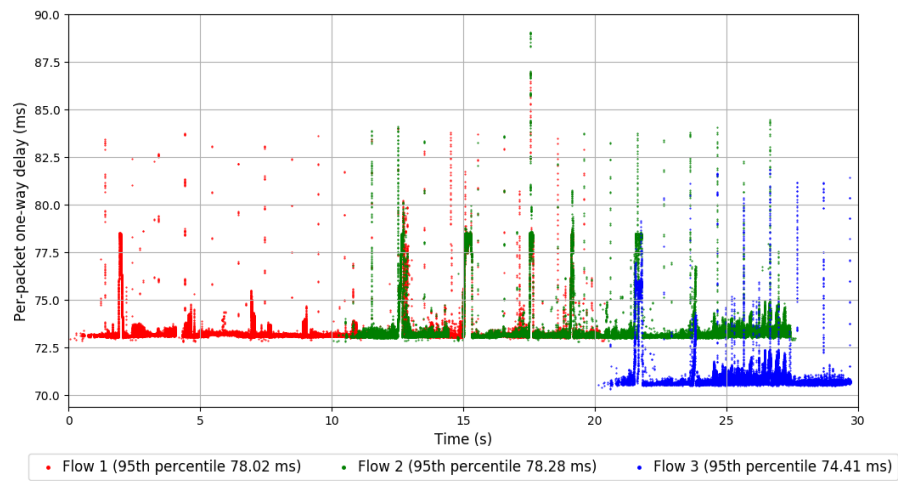
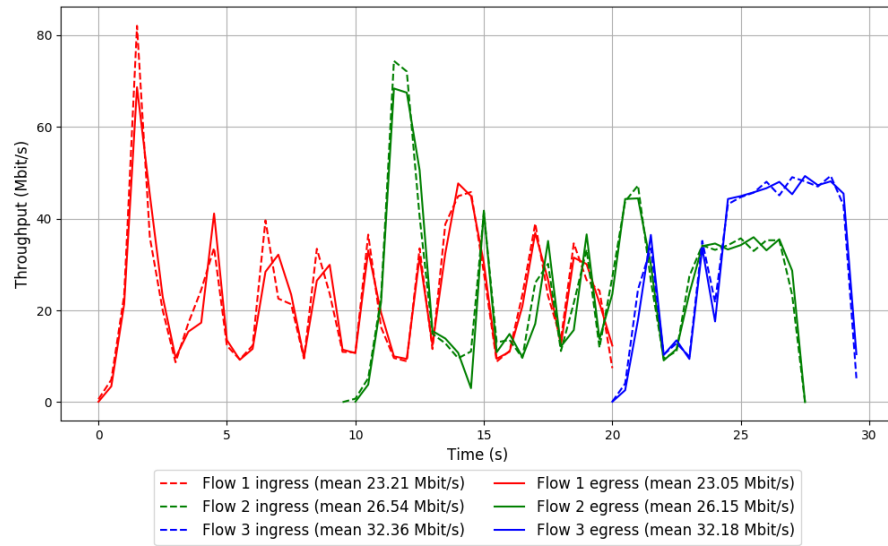
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 74.411 ms

Loss rate: 0.56%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 23:11:42 +0000

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

Local clock offset: -0.283 ms

Remote clock offset: -1.491 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 77.029 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 27.96 Mbit/s

95th percentile per-packet one-way delay: 77.552 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 75.120 ms

Loss rate: 2.55%

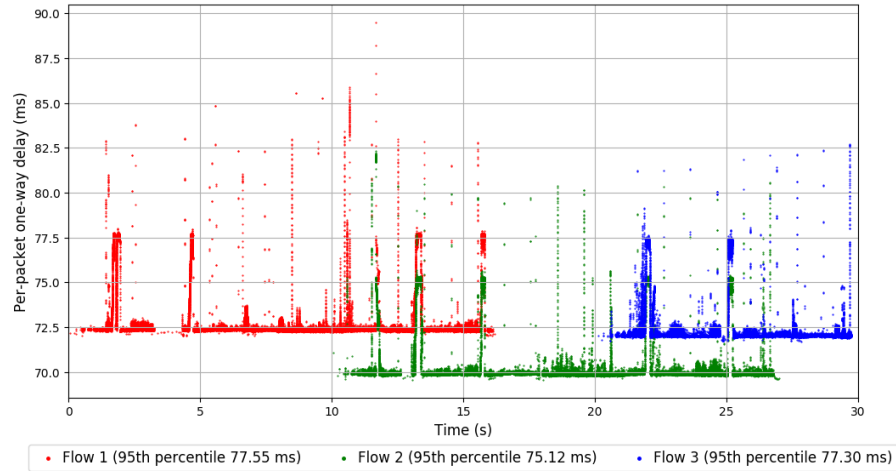
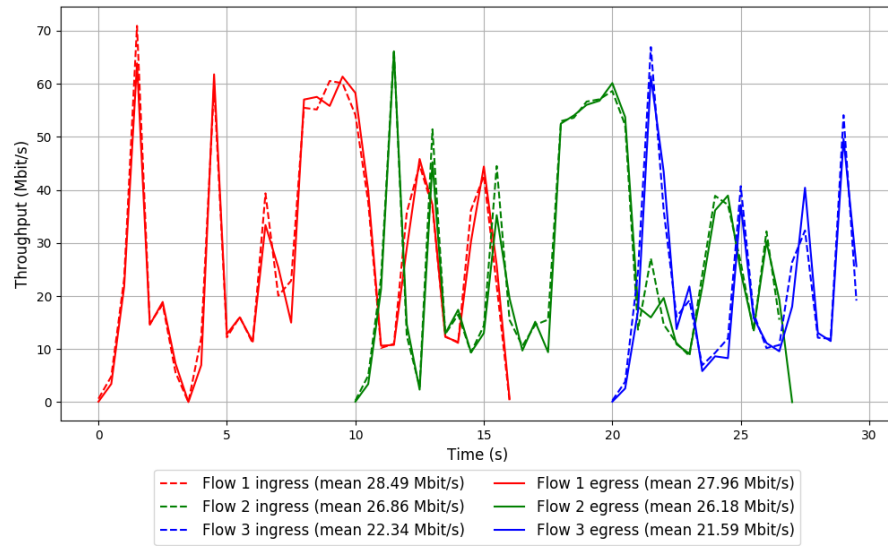
-- Flow 3:

Average throughput: 21.59 Mbit/s

95th percentile per-packet one-way delay: 77.297 ms

Loss rate: 3.44%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:03:34 +0000

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

Local clock offset: -0.481 ms

Remote clock offset: -4.837 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.82 Mbit/s

95th percentile per-packet one-way delay: 78.902 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 78.603 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 80.556 ms

Loss rate: 0.85%

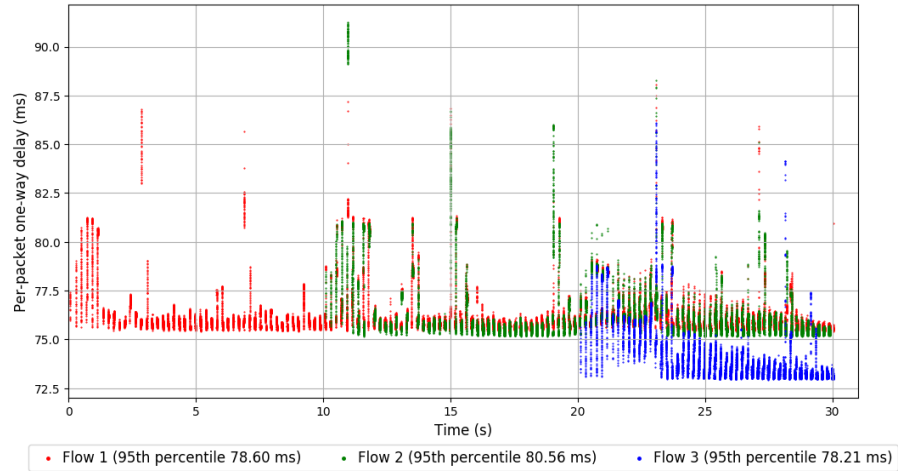
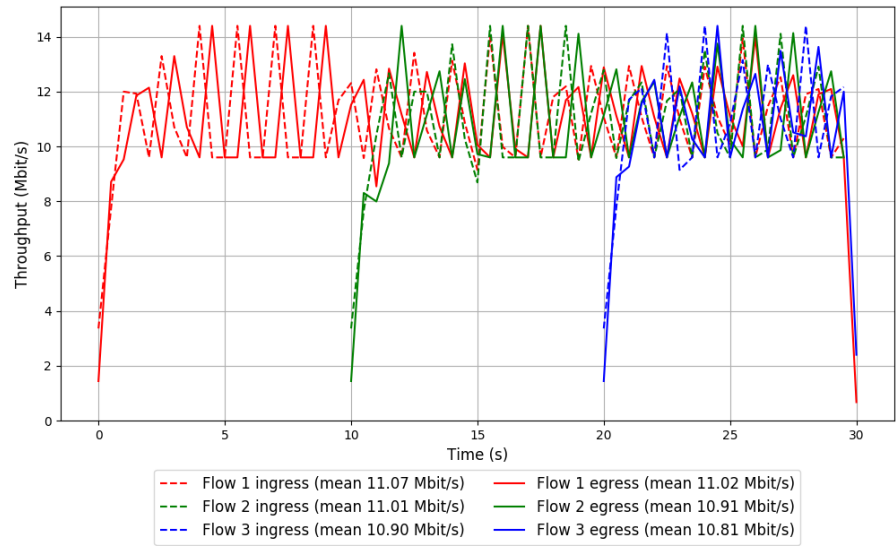
-- Flow 3:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 78.207 ms

Loss rate: 0.84%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:23:25 +0000

End at: Sun, 09 Jul 2017 20:23:55 +0000

Local clock offset: -0.494 ms

Remote clock offset: -4.816 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 77.540 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 11.20 Mbit/s

95th percentile per-packet one-way delay: 76.737 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 76.218 ms

Loss rate: 0.58%

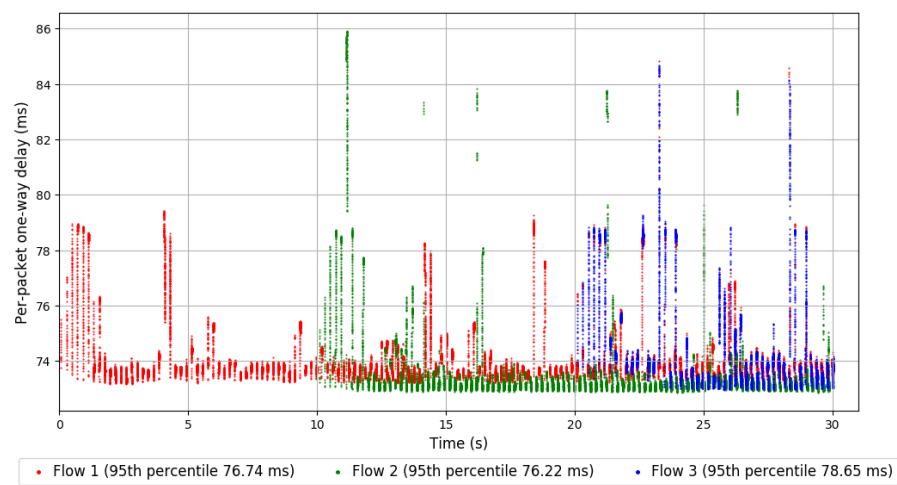
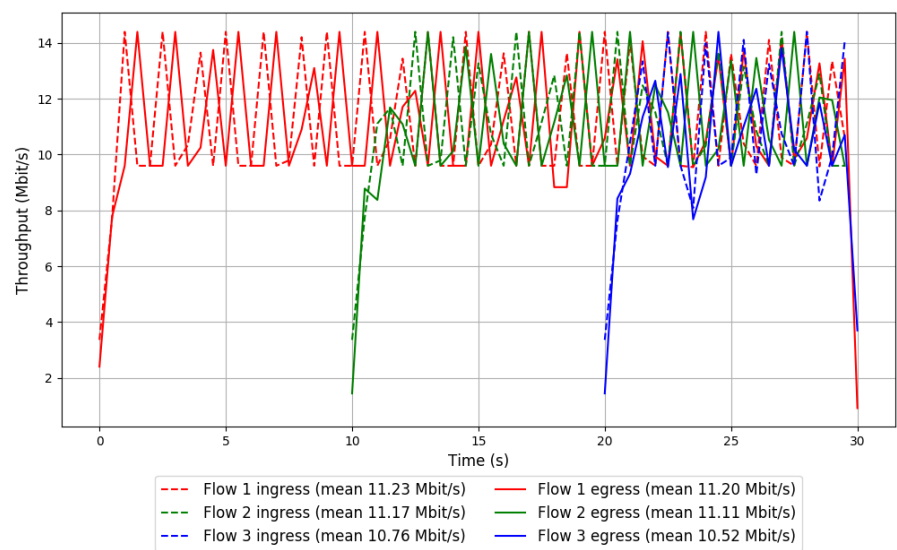
-- Flow 3:

Average throughput: 10.52 Mbit/s

95th percentile per-packet one-way delay: 78.646 ms

Loss rate: 2.22%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 20:43:03 +0000

End at: Sun, 09 Jul 2017 20:43:33 +0000

Local clock offset: -0.679 ms

Remote clock offset: -5.032 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 78.461 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 77.616 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 78.686 ms

Loss rate: 0.73%

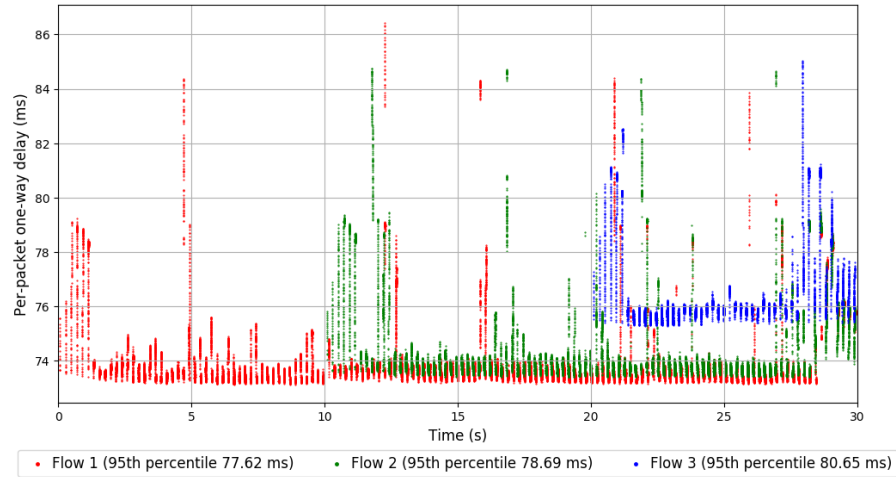
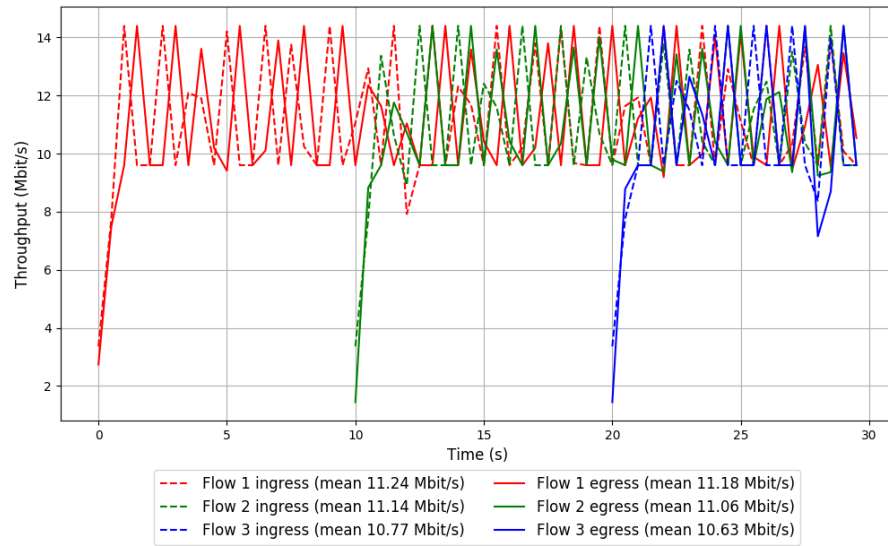
-- Flow 3:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 80.651 ms

Loss rate: 1.23%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:02:53 +0000

End at: Sun, 09 Jul 2017 21:03:23 +0000

Local clock offset: -0.553 ms

Remote clock offset: -4.707 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 78.344 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 77.375 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 11.09 Mbit/s

95th percentile per-packet one-way delay: 77.905 ms

Loss rate: 0.45%

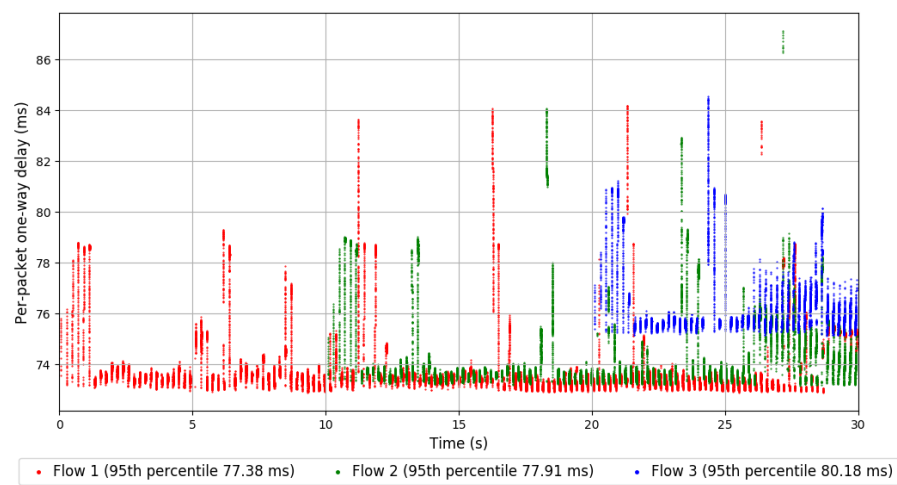
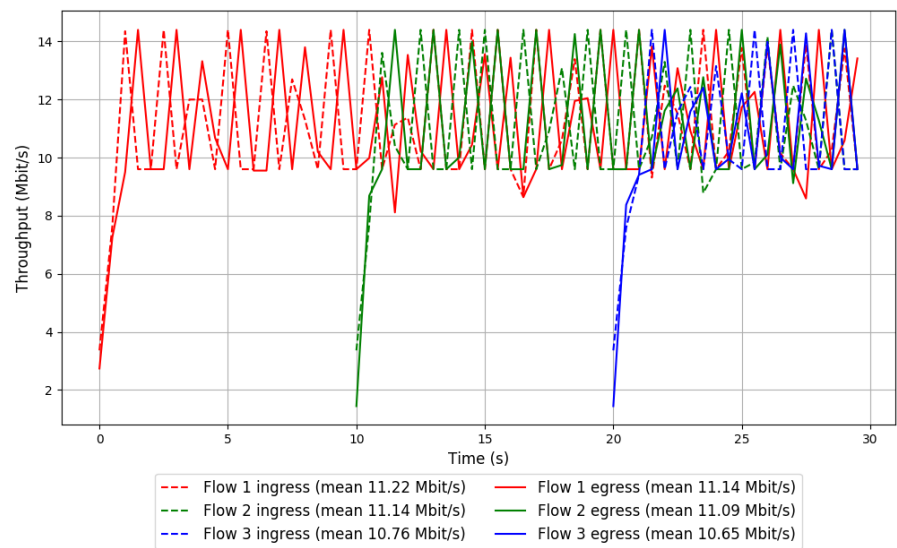
-- Flow 3:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 80.181 ms

Loss rate: 0.96%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:22:24 +0000

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

Local clock offset: -0.375 ms

Remote clock offset: -4.133 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 77.527 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 76.445 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 76.297 ms

Loss rate: 0.30%

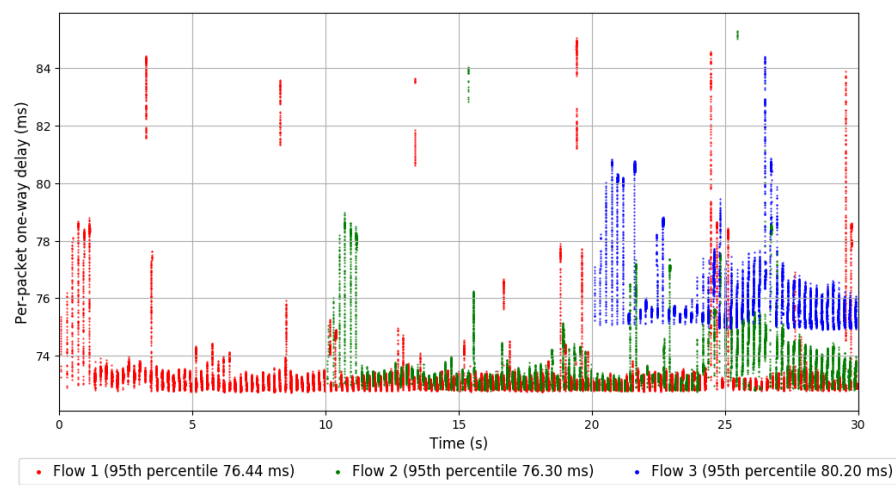
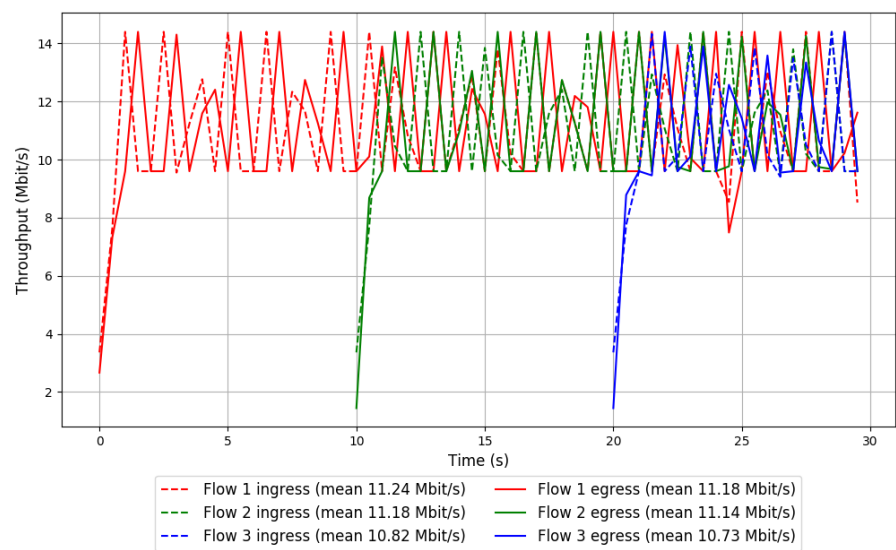
-- Flow 3:

Average throughput: 10.73 Mbit/s

95th percentile per-packet one-way delay: 80.199 ms

Loss rate: 0.77%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sun, 09 Jul 2017 21:42:07 +0000

End at: Sun, 09 Jul 2017 21:42:37 +0000

Local clock offset: 1.227 ms

Remote clock offset: -3.721 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 75.903 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 75.775 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 76.332 ms

Loss rate: 0.50%

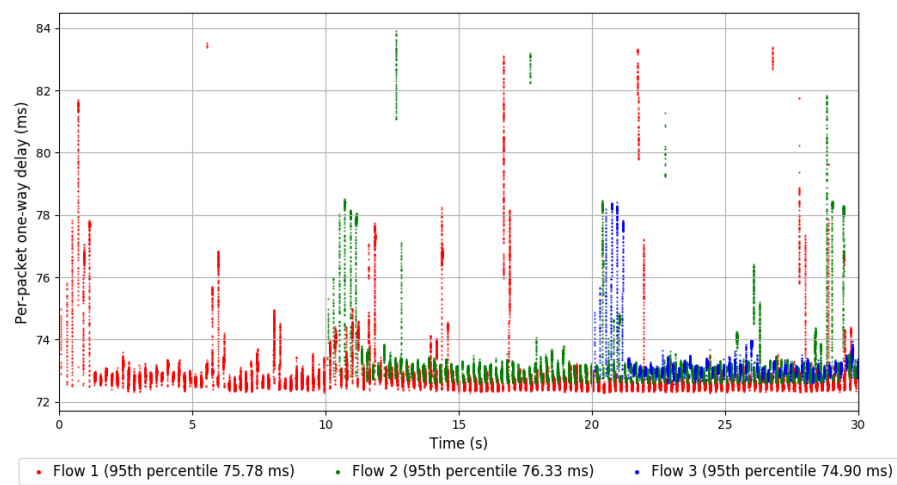
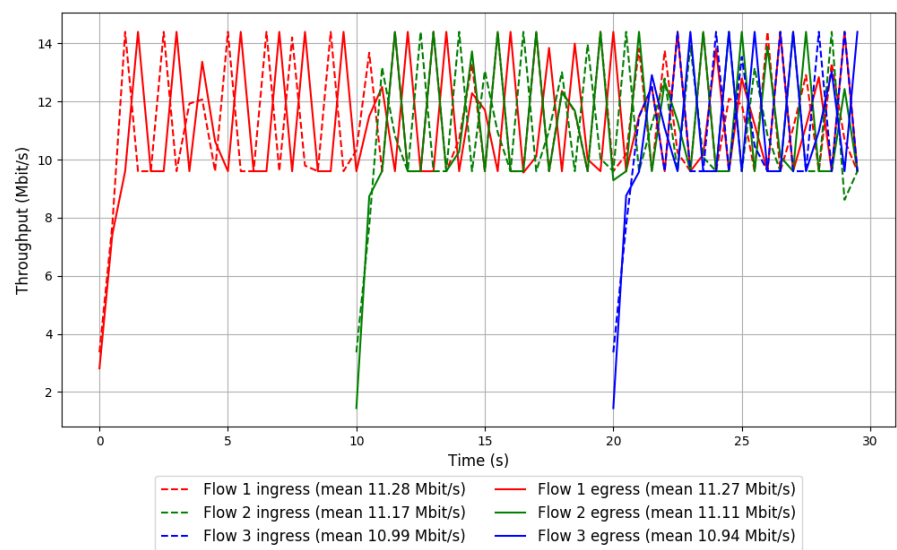
-- Flow 3:

Average throughput: 10.94 Mbit/s

95th percentile per-packet one-way delay: 74.903 ms

Loss rate: 0.42%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:01:49 +0000

End at: Sun, 09 Jul 2017 22:02:19 +0000

Local clock offset: -0.142 ms

Remote clock offset: -3.228 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 78.988 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 11.01 Mbit/s

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

Loss rate: 0.58%

-- Flow 2:

Average throughput: 10.87 Mbit/s

95th percentile per-packet one-way delay: 78.485 ms

Loss rate: 0.94%

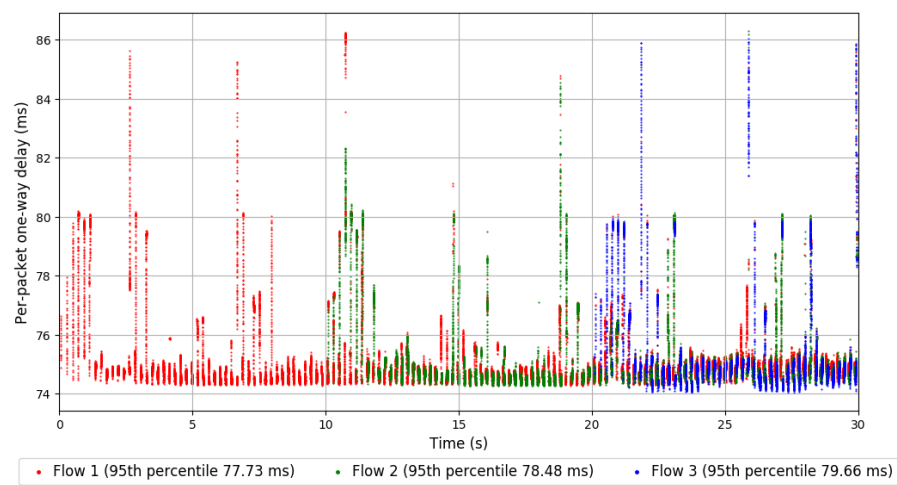
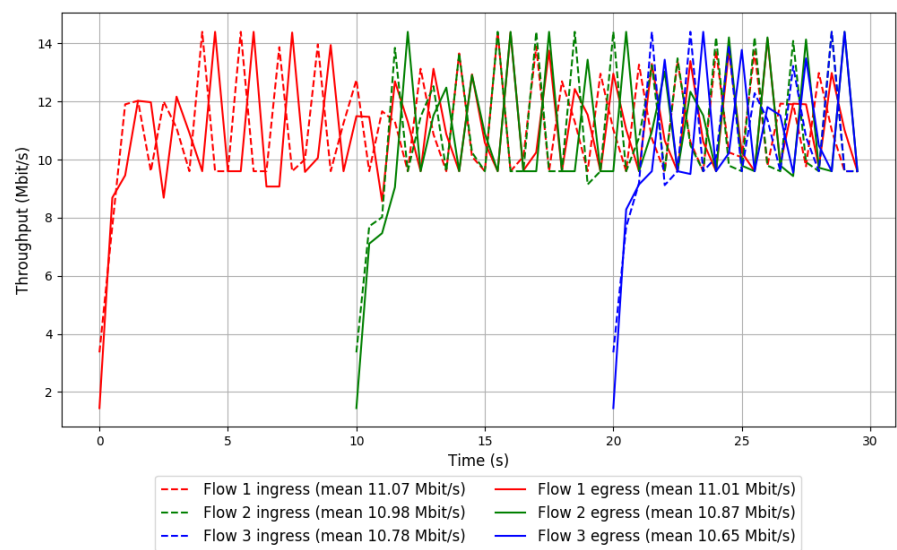
-- Flow 3:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 79.663 ms

Loss rate: 1.11%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:21:32 +0000

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

Local clock offset: 0.984 ms

Remote clock offset: -2.826 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 78.663 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 79.027 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 79.014 ms

Loss rate: 0.74%

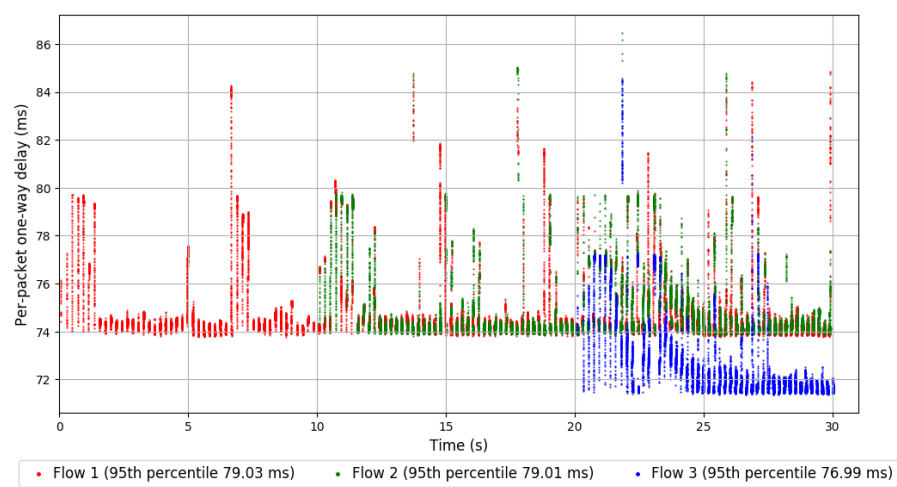
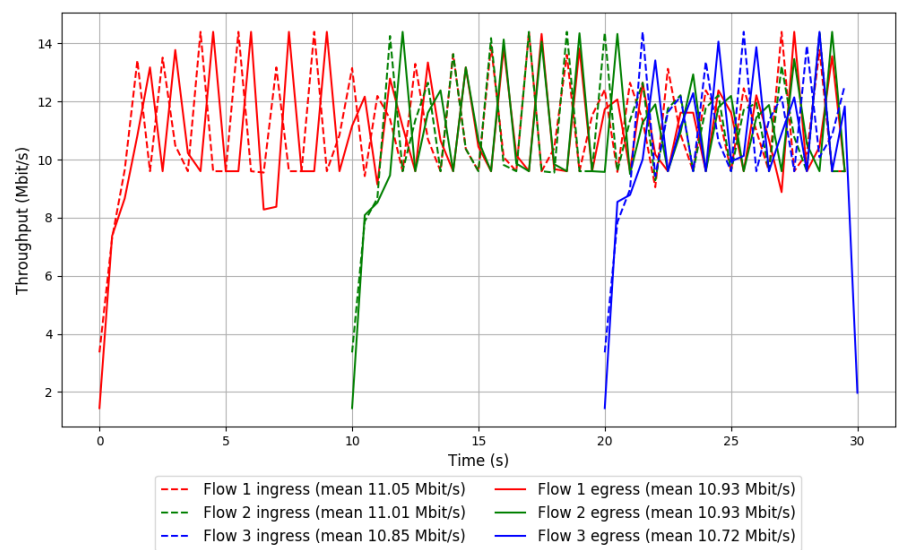
-- Flow 3:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 76.994 ms

Loss rate: 1.25%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sun, 09 Jul 2017 22:41:19 +0000

End at: Sun, 09 Jul 2017 22:41:49 +0000

Local clock offset: 0.046 ms

Remote clock offset: -2.324 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 75.690 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 73.818 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 11.15 Mbit/s

95th percentile per-packet one-way delay: 74.410 ms

Loss rate: 0.23%

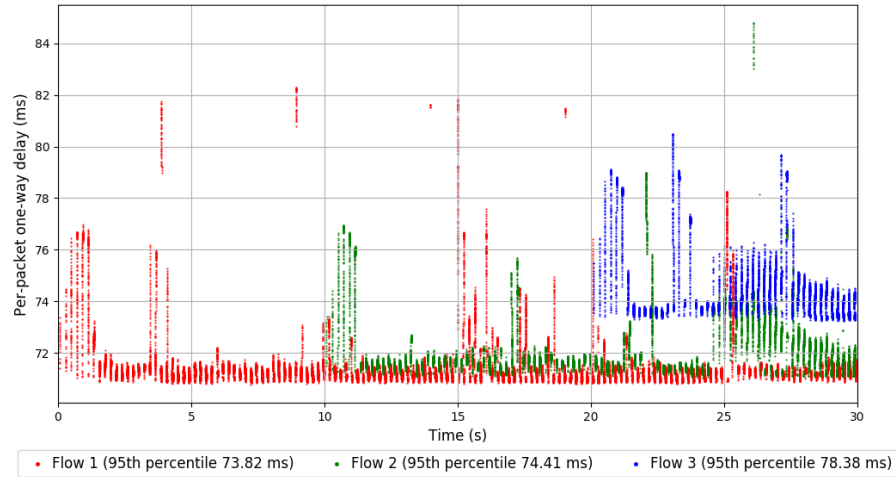
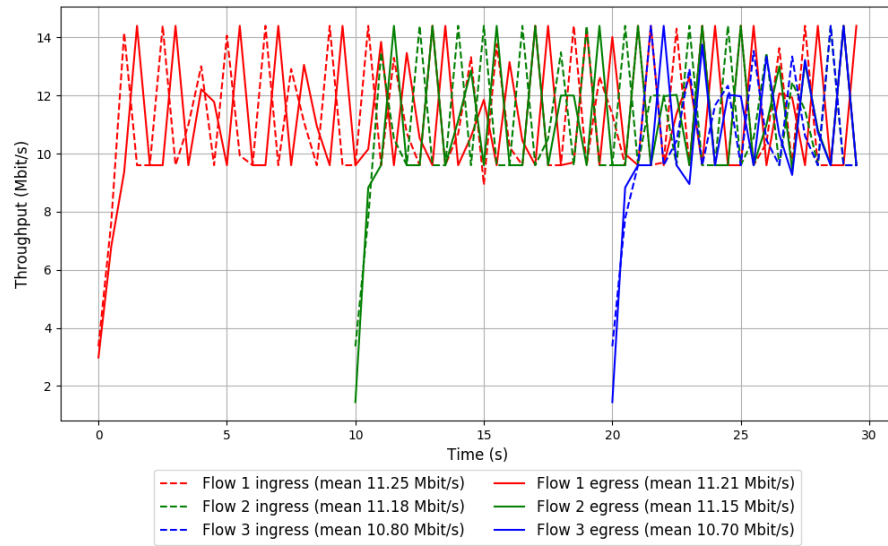
-- Flow 3:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 78.376 ms

Loss rate: 0.87%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sun, 09 Jul 2017 23:01:12 +0000

End at: Sun, 09 Jul 2017 23:01:42 +0000

Local clock offset: -0.188 ms

Remote clock offset: -1.8 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 75.792 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 76.827 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 75.464 ms

Loss rate: 0.69%

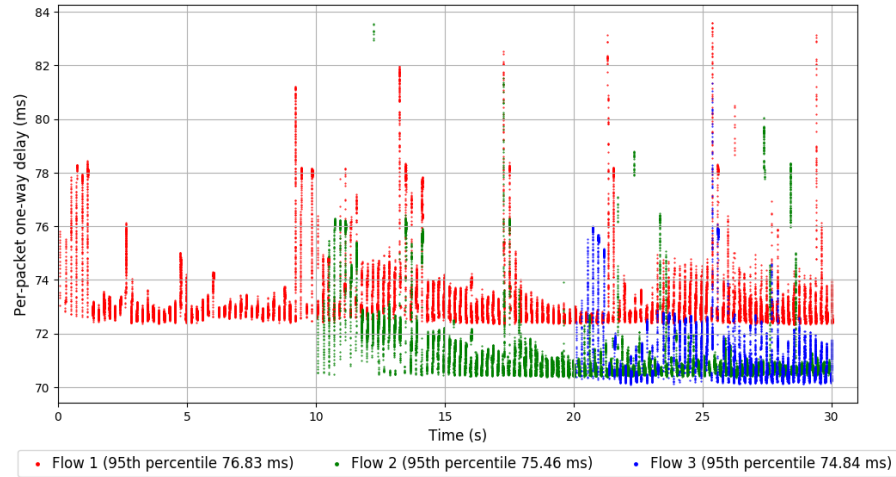
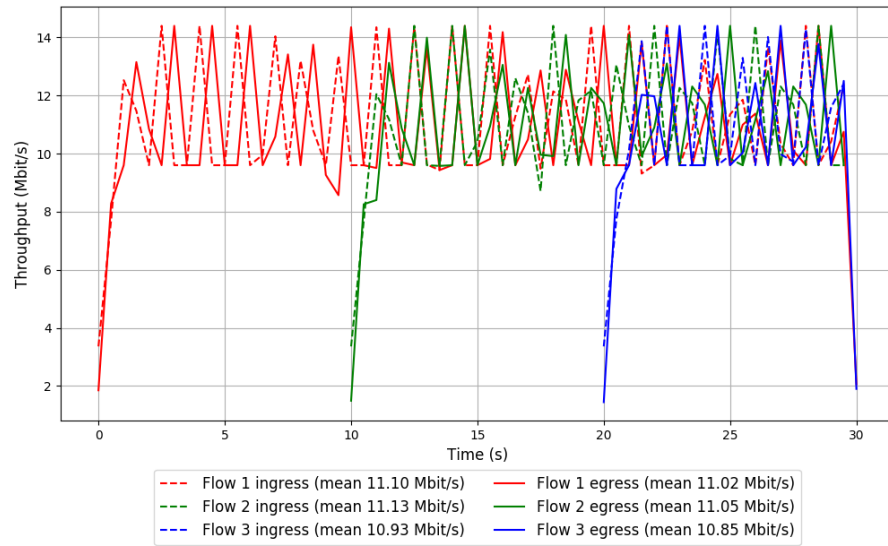
-- Flow 3:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 74.843 ms

Loss rate: 0.76%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SReAM

Start at: Sun, 09 Jul 2017 20:06:14 +0000

End at: Sun, 09 Jul 2017 20:06:44 +0000

Local clock offset: -0.485 ms

Remote clock offset: -4.826 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 75.394 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.630 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.283 ms

Loss rate: 0.00%

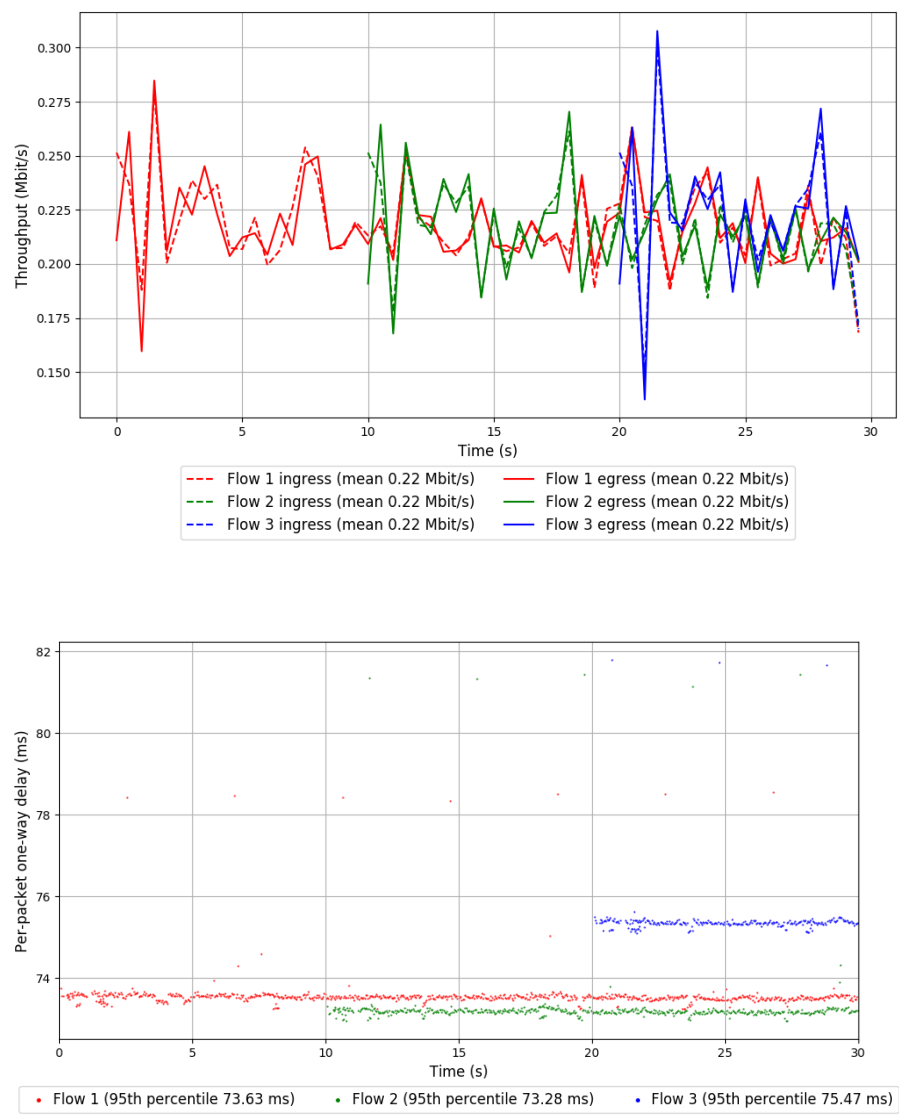
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.465 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: Sun, 09 Jul 2017 20:26:05 +0000

End at: Sun, 09 Jul 2017 20:26:35 +0000

Local clock offset: -0.524 ms

Remote clock offset: -4.842 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 75.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.611 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.606 ms

Loss rate: 0.00%

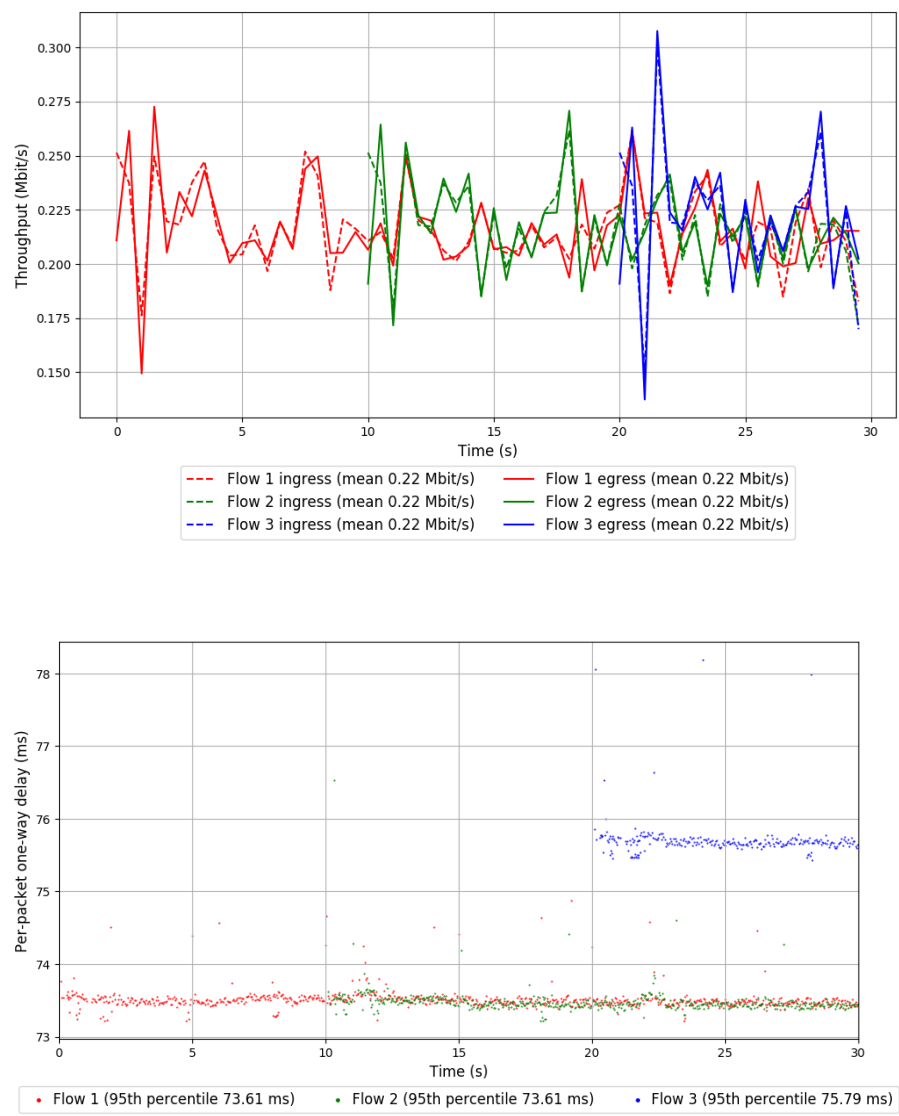
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.794 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 20:45:43 +0000

End at: Sun, 09 Jul 2017 20:46:13 +0000

Local clock offset: -0.504 ms

Remote clock offset: -5.025 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 76.010 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.591 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 76.066 ms

Loss rate: 0.00%

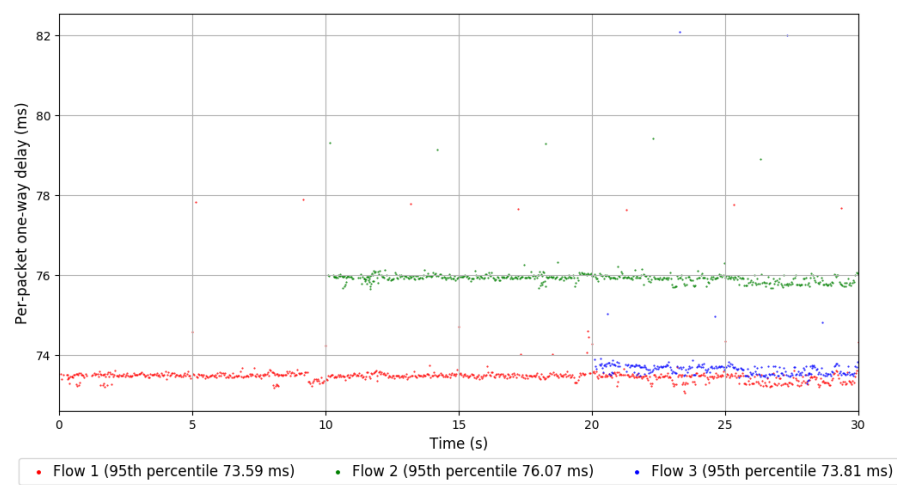
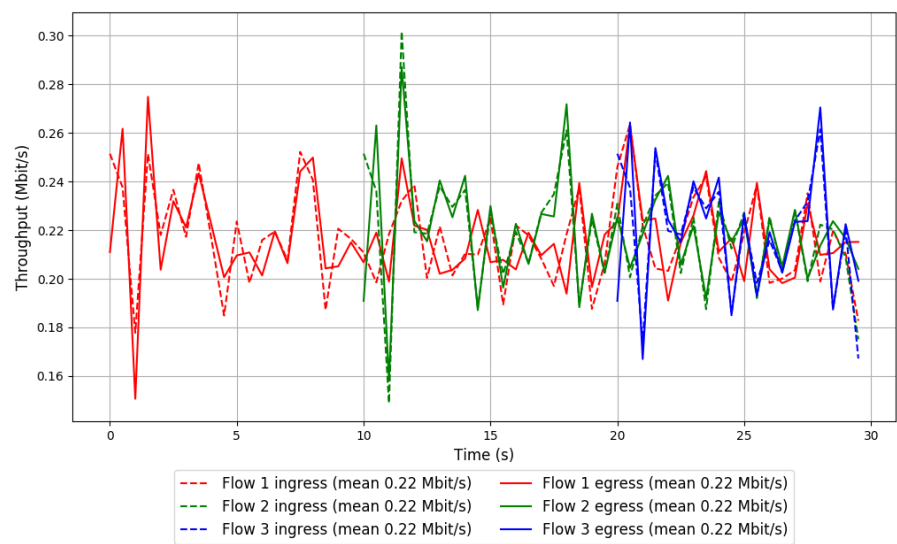
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.808 ms

Loss rate: 0.00%

Run 3: Report of SCRaM — Data Link



Run 4: Statistics of SReAM

Start at: Sun, 09 Jul 2017 21:05:25 +0000

End at: Sun, 09 Jul 2017 21:05:55 +0000

Local clock offset: -0.518 ms

Remote clock offset: -4.682 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 75.319 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.250 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.349 ms

Loss rate: 0.00%

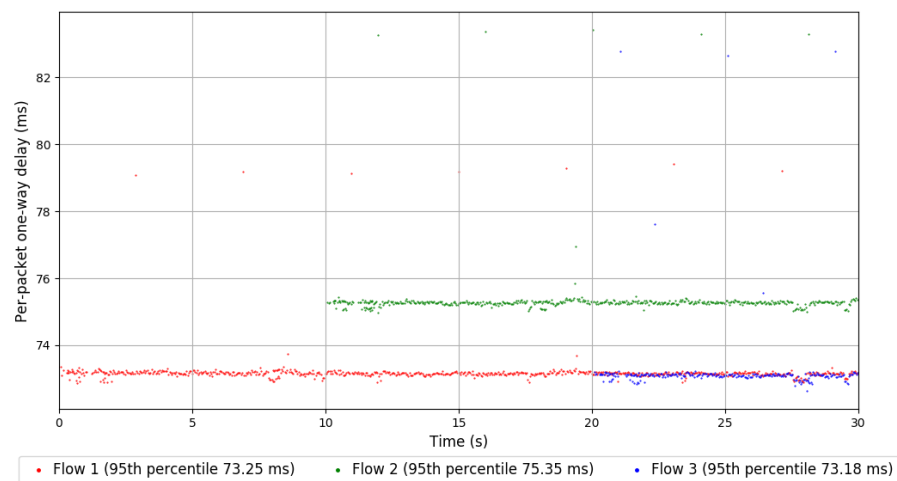
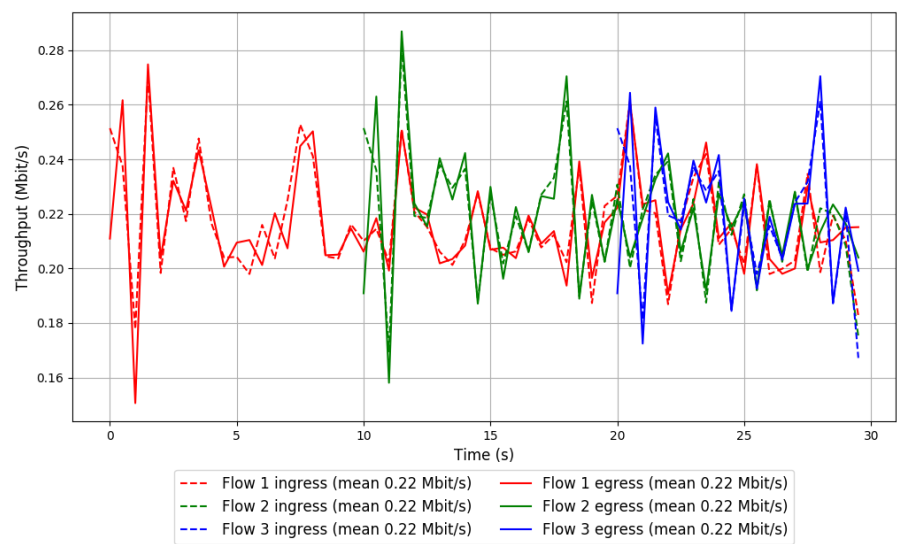
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.180 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: Sun, 09 Jul 2017 21:25:05 +0000

End at: Sun, 09 Jul 2017 21:25:35 +0000

Local clock offset: 0.82 ms

Remote clock offset: -4.096 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 75.388 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.420 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.953 ms

Loss rate: 0.00%

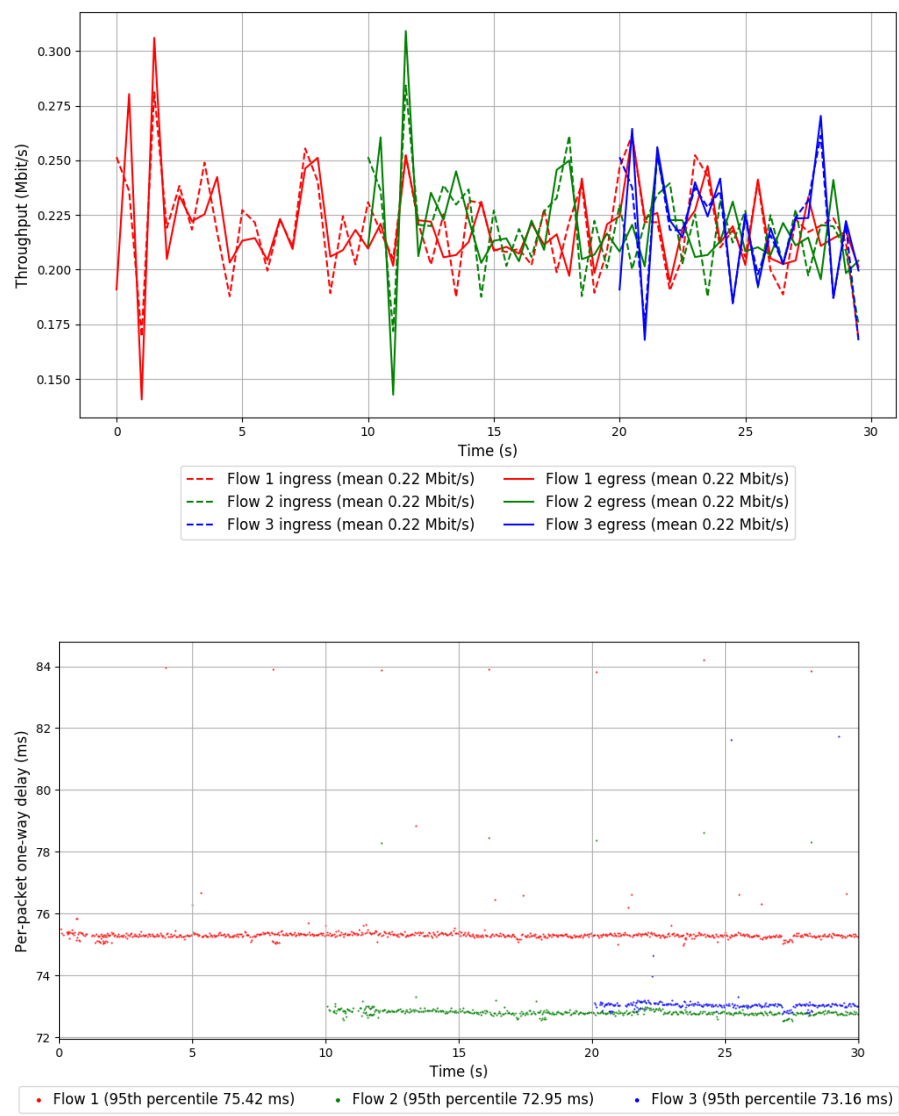
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.164 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: Sun, 09 Jul 2017 21:44:47 +0000

End at: Sun, 09 Jul 2017 21:45:17 +0000

Local clock offset: -0.024 ms

Remote clock offset: -3.674 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 75.044 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.049 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.055 ms

Loss rate: 0.00%

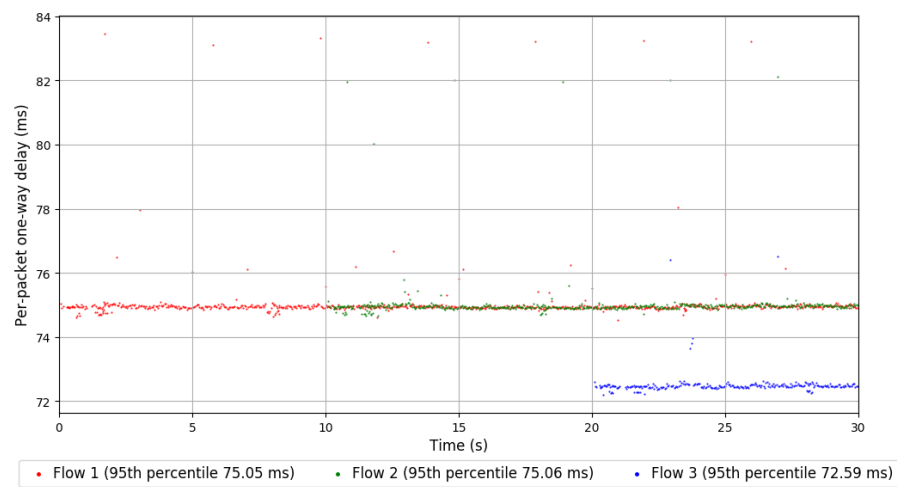
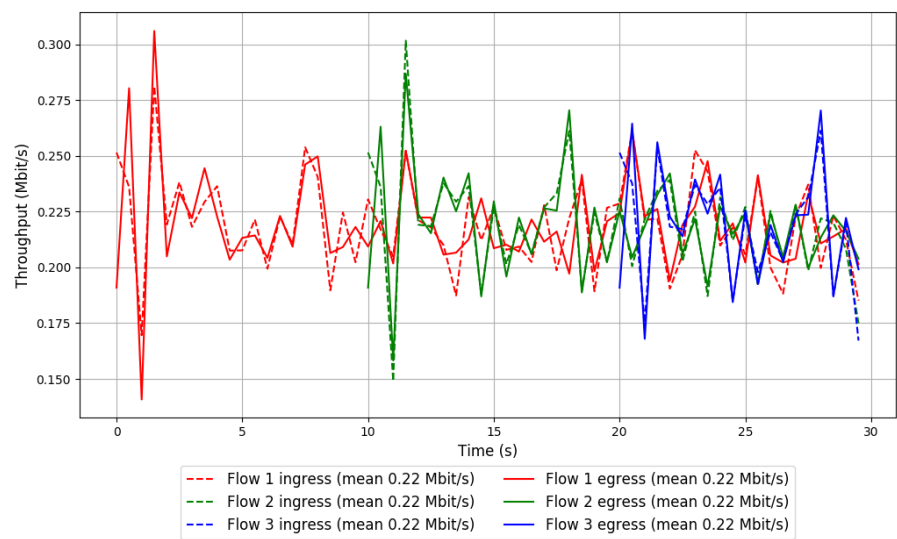
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.590 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: Sun, 09 Jul 2017 22:04:30 +0000

End at: Sun, 09 Jul 2017 22:05:00 +0000

Local clock offset: -0.068 ms

Remote clock offset: -3.199 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 72.496 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.509 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.452 ms

Loss rate: 0.00%

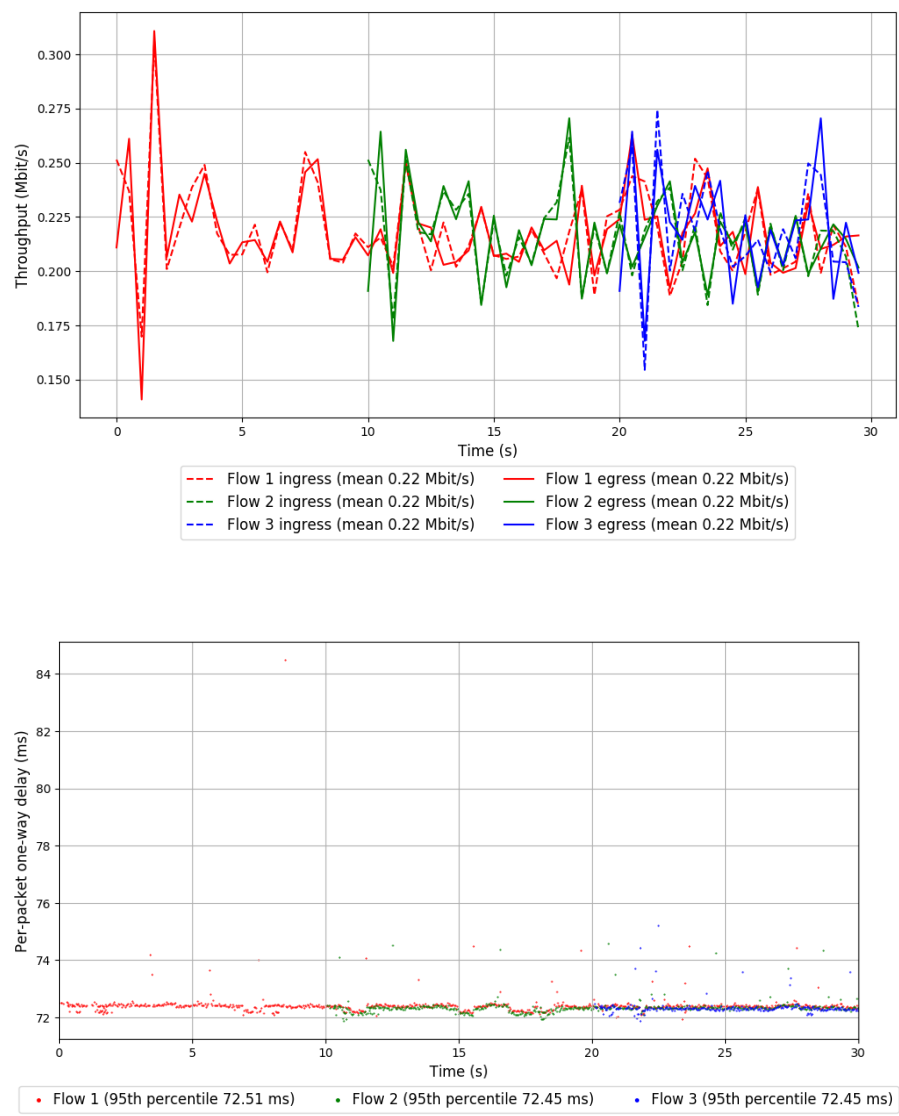
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.451 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: Sun, 09 Jul 2017 22:24:13 +0000

End at: Sun, 09 Jul 2017 22:24:43 +0000

Local clock offset: -0.03 ms

Remote clock offset: -2.778 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 74.170 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.004 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.176 ms

Loss rate: 0.00%

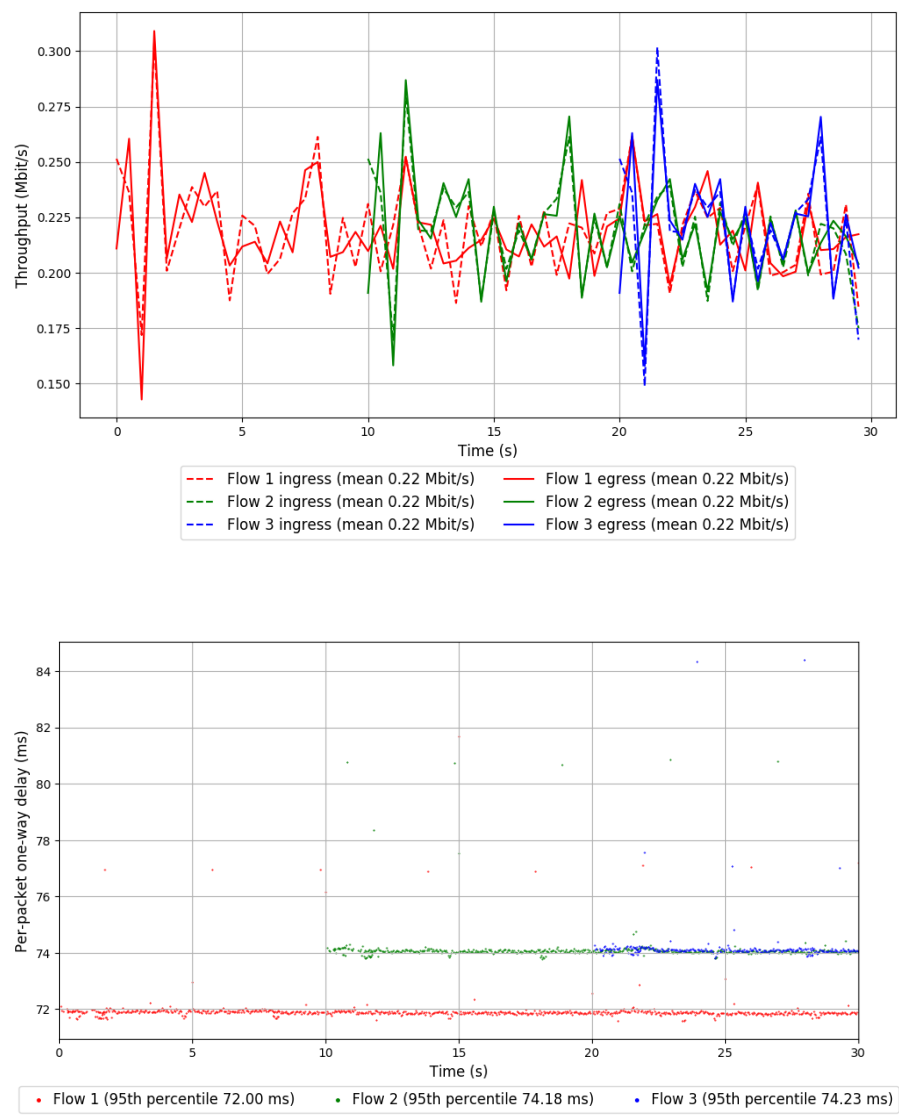
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.229 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: Sun, 09 Jul 2017 22:43:59 +0000

End at: Sun, 09 Jul 2017 22:44:29 +0000

Local clock offset: -0.096 ms

Remote clock offset: -2.272 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 73.615 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.649 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.378 ms

Loss rate: 0.00%

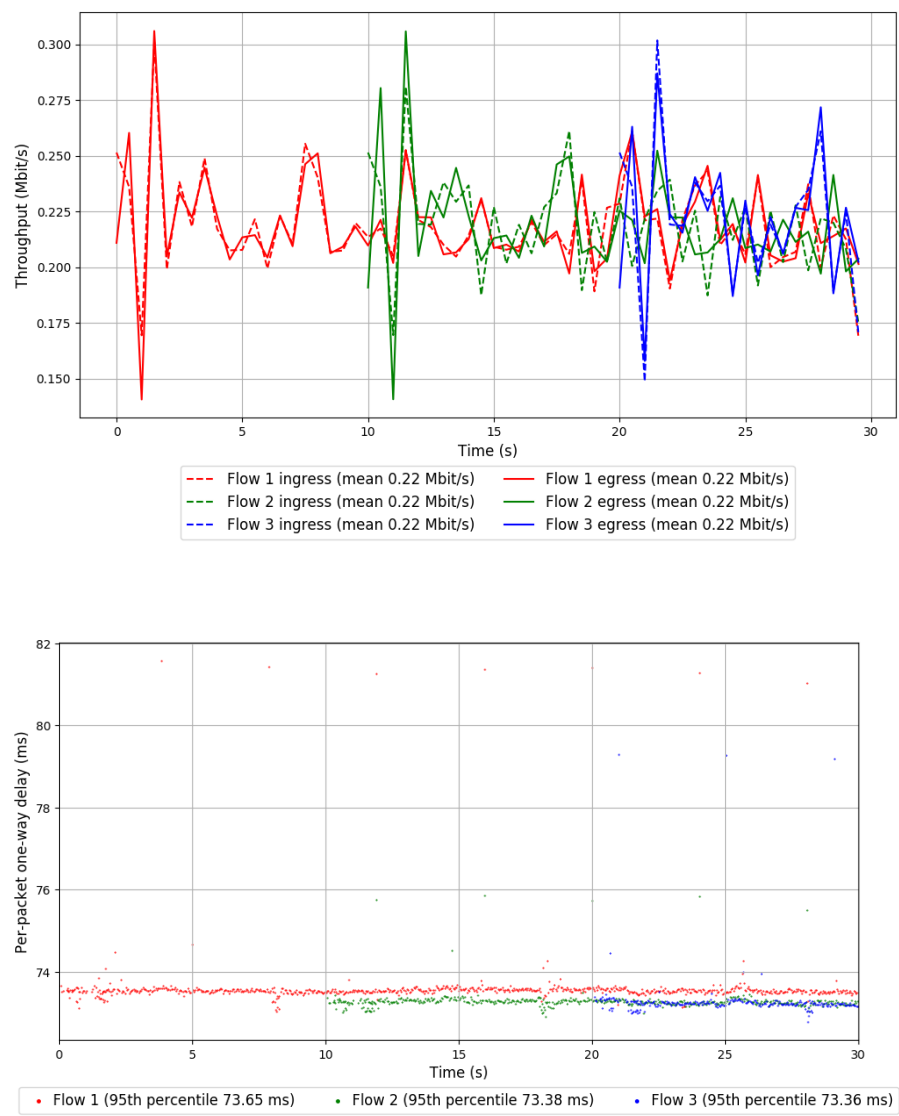
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.356 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 09 Jul 2017 23:03:52 +0000

End at: Sun, 09 Jul 2017 23:04:22 +0000

Local clock offset: 0.969 ms

Remote clock offset: -1.662 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 72.619 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 70.694 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 70.666 ms

Loss rate: 0.00%

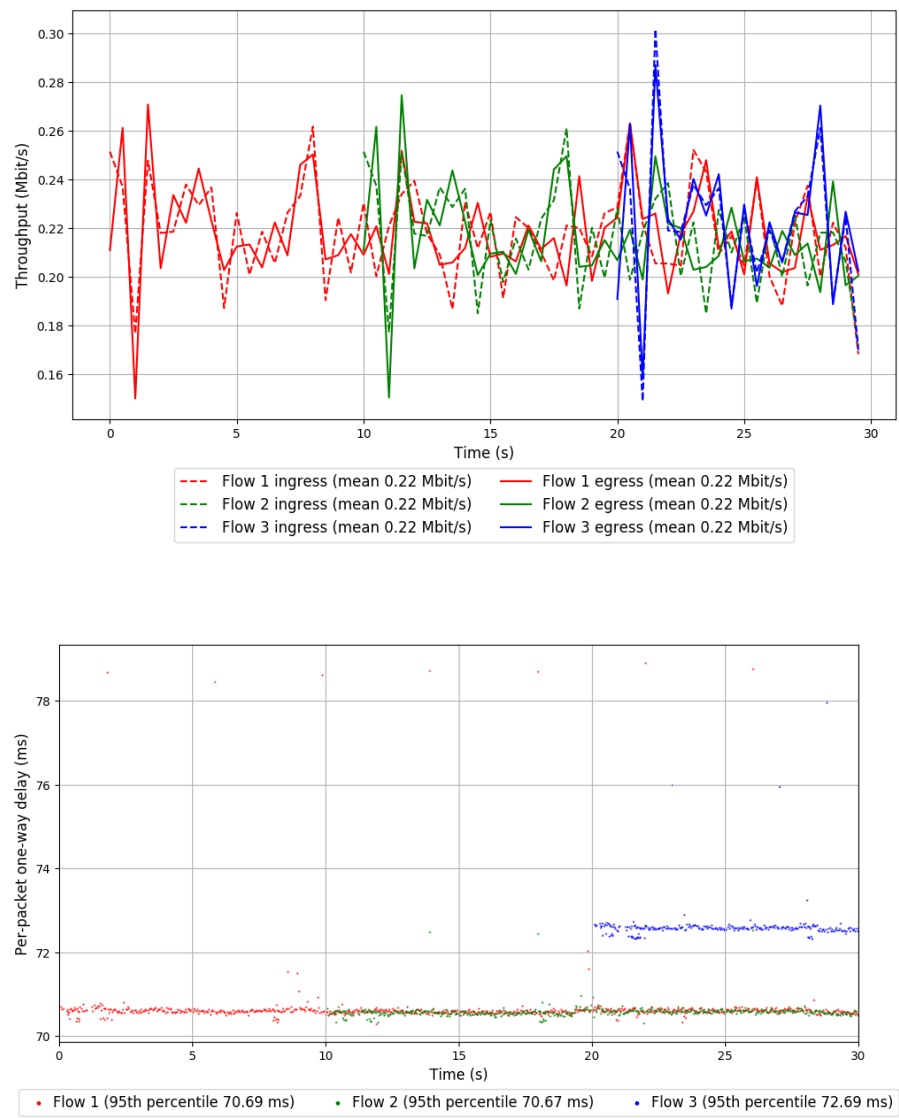
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.685 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 19:58:16 +0000

End at: Sun, 09 Jul 2017 19:58:46 +0000

Local clock offset: -0.417 ms

Remote clock offset: -4.847 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 76.793 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 77.098 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 74.842 ms

Loss rate: 0.00%

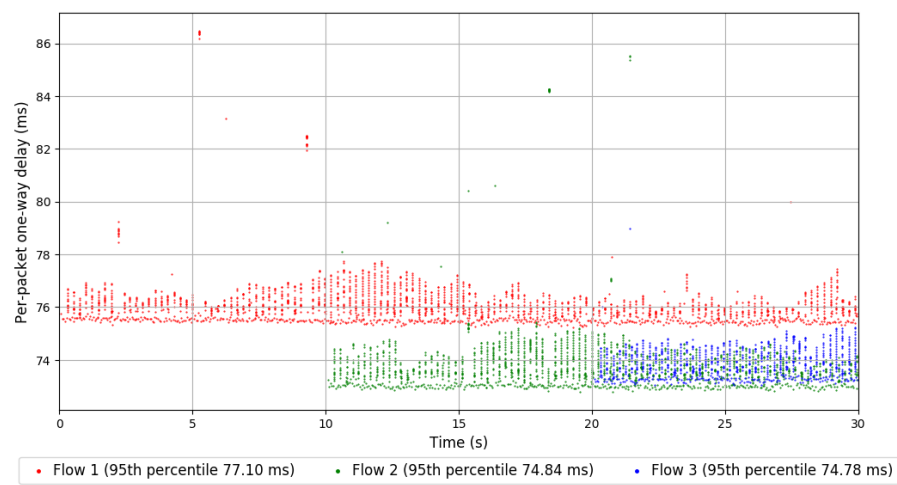
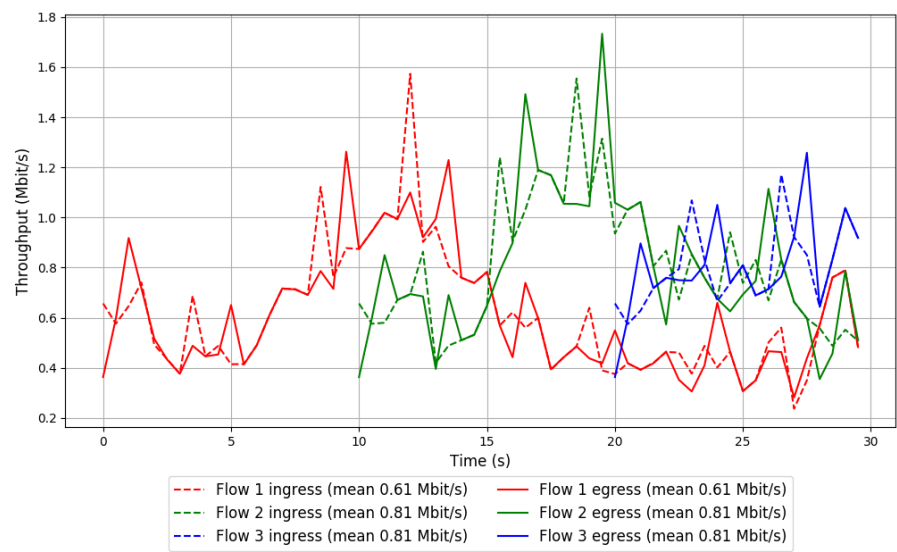
-- Flow 3:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 74.777 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:18:08 +0000

End at: Sun, 09 Jul 2017 20:18:38 +0000

Local clock offset: -0.403 ms

Remote clock offset: -4.782 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 76.626 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 76.803 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 74.820 ms

Loss rate: 0.00%

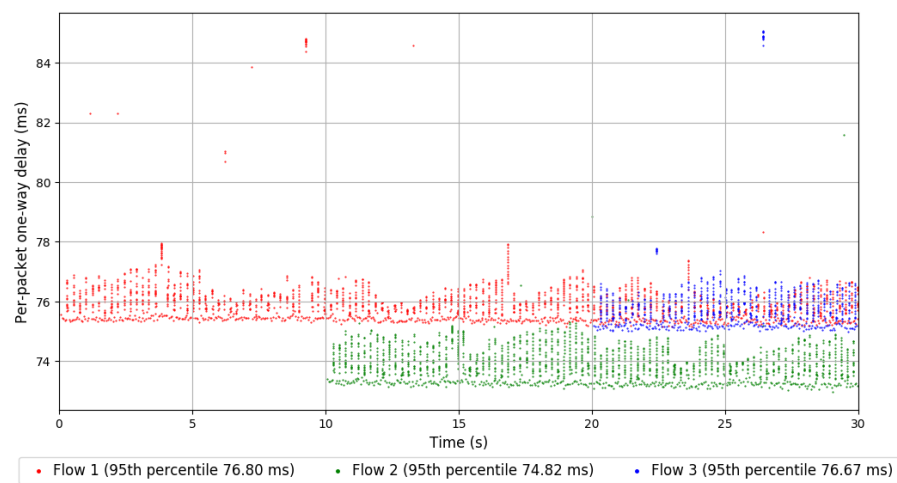
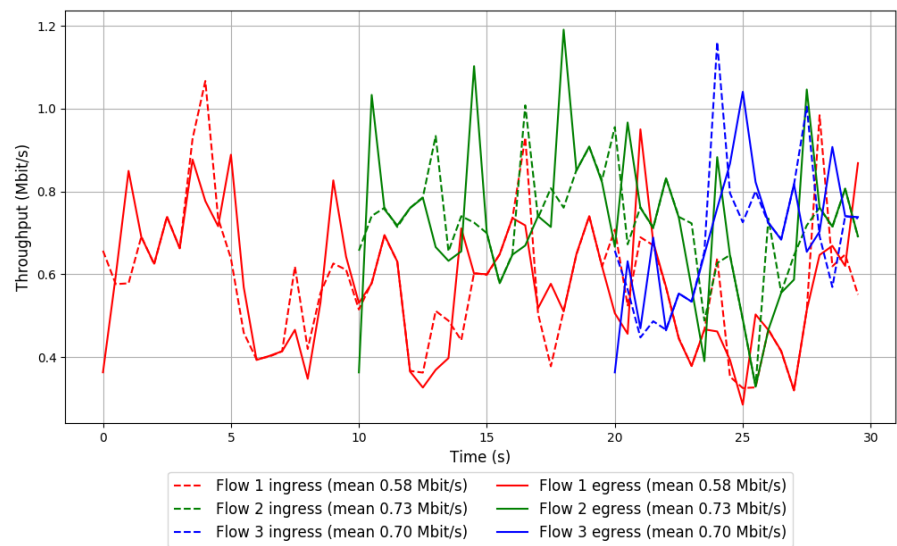
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 76.667 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:37:46 +0000

End at: Sun, 09 Jul 2017 20:38:16 +0000

Local clock offset: 0.893 ms

Remote clock offset: -4.884 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 76.710 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 77.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 75.297 ms

Loss rate: 0.00%

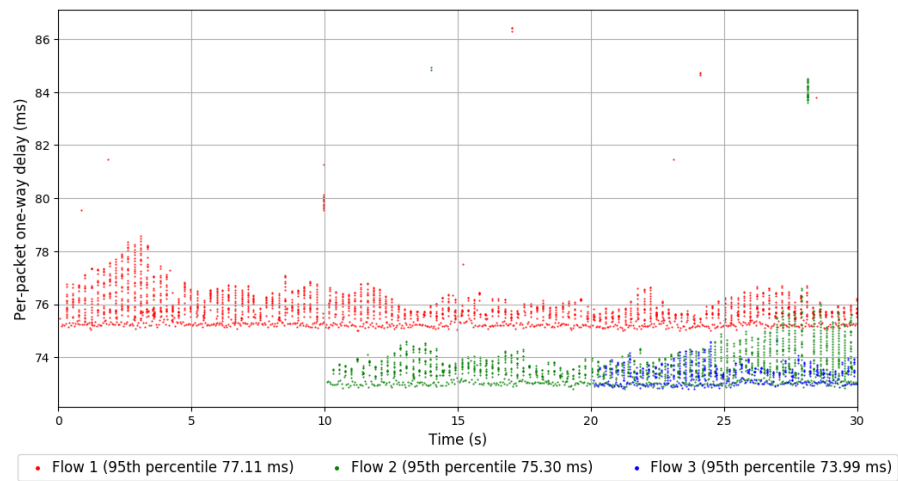
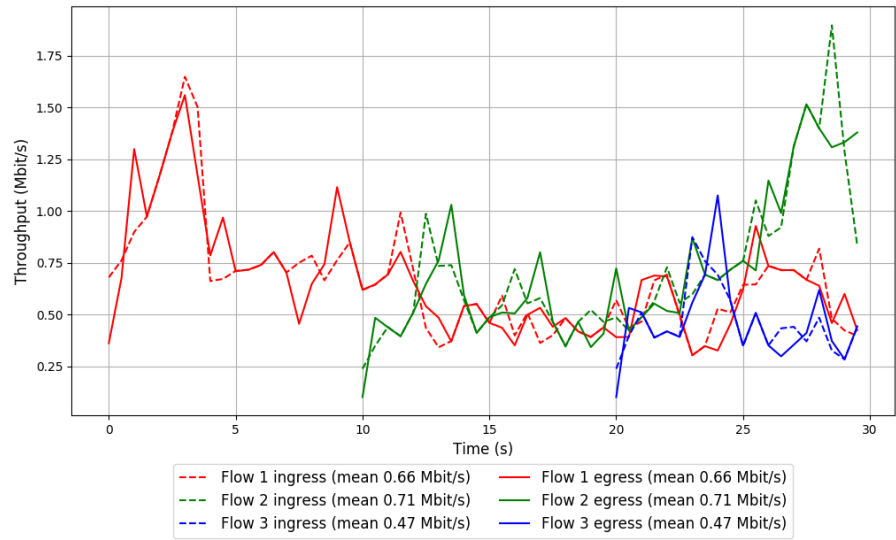
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 73.993 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 09 Jul 2017 20:57:37 +0000

End at: Sun, 09 Jul 2017 20:58:07 +0000

Local clock offset: -0.493 ms

Remote clock offset: -4.877 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 76.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 76.831 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 76.995 ms

Loss rate: 0.00%

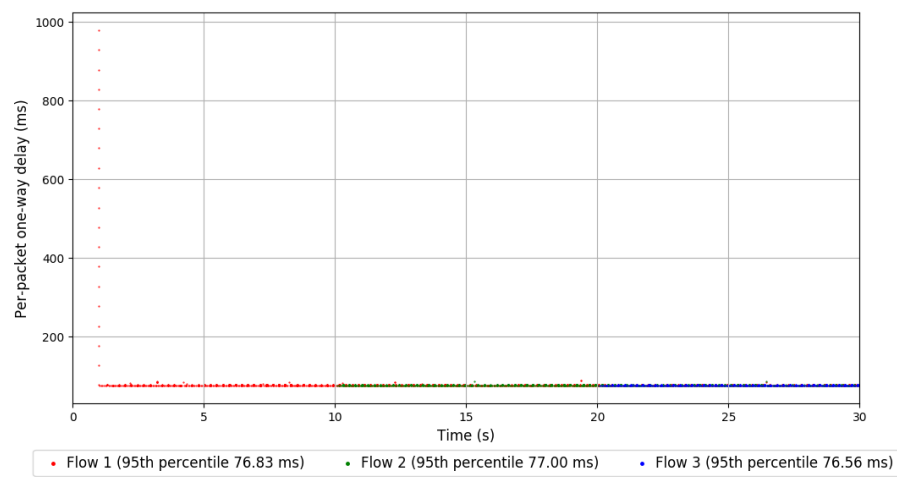
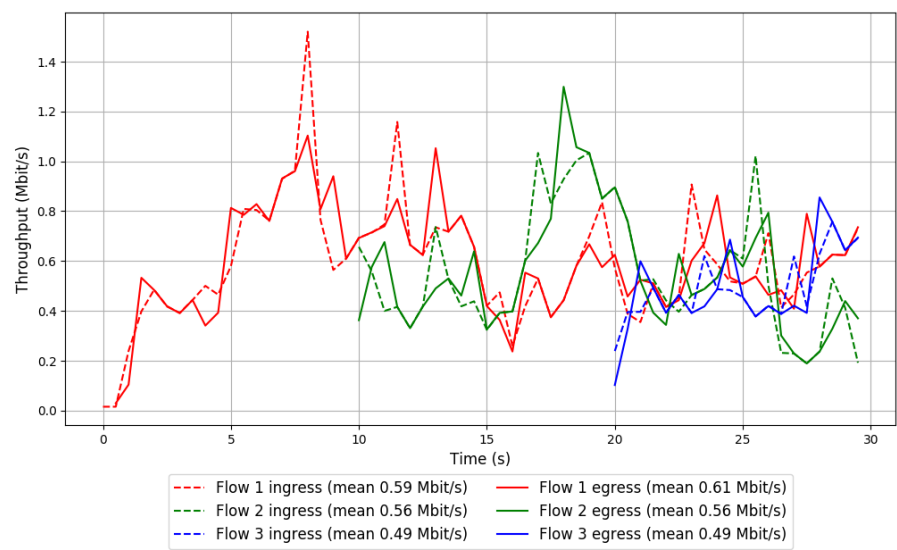
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 76.564 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:17:08 +0000

End at: Sun, 09 Jul 2017 21:17:38 +0000

Local clock offset: -0.332 ms

Remote clock offset: -4.227 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 76.186 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 74.199 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 76.330 ms

Loss rate: 0.00%

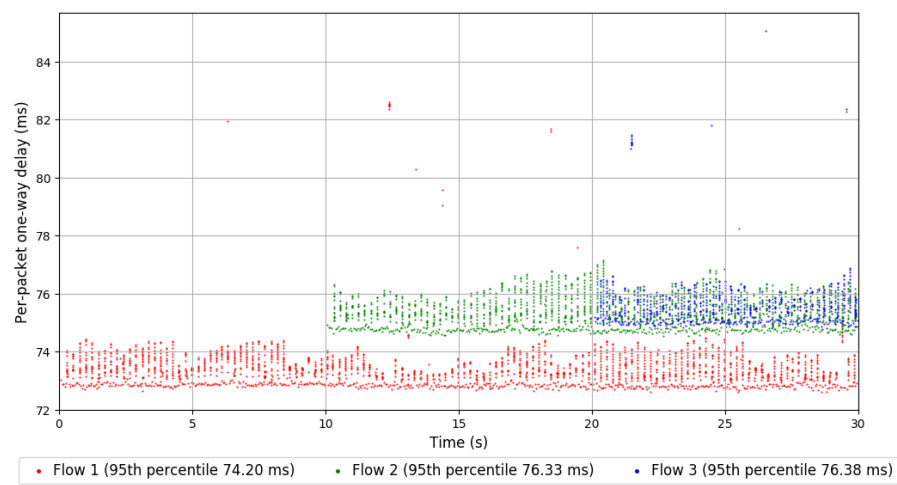
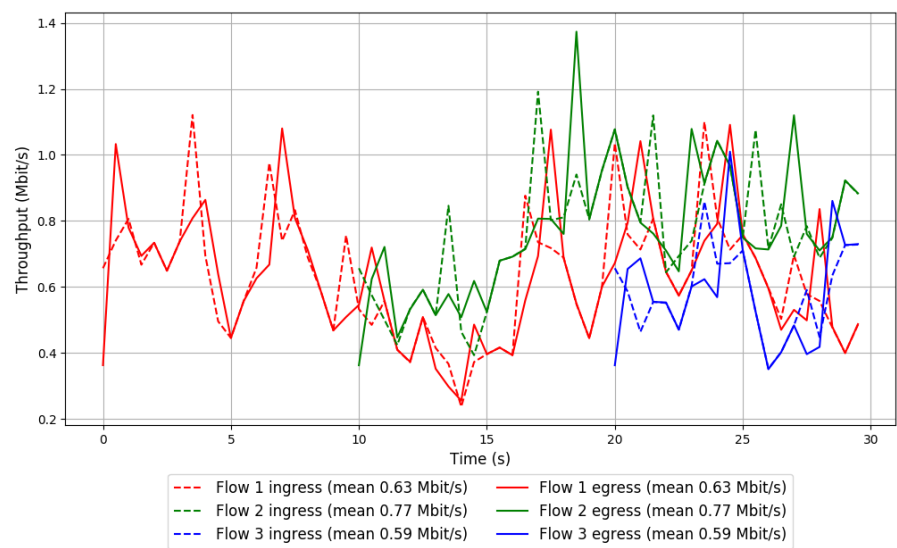
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 76.380 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 09 Jul 2017 21:36:51 +0000

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

Local clock offset: -0.065 ms

Remote clock offset: -3.905 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 75.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 76.020 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 73.495 ms

Loss rate: 0.00%

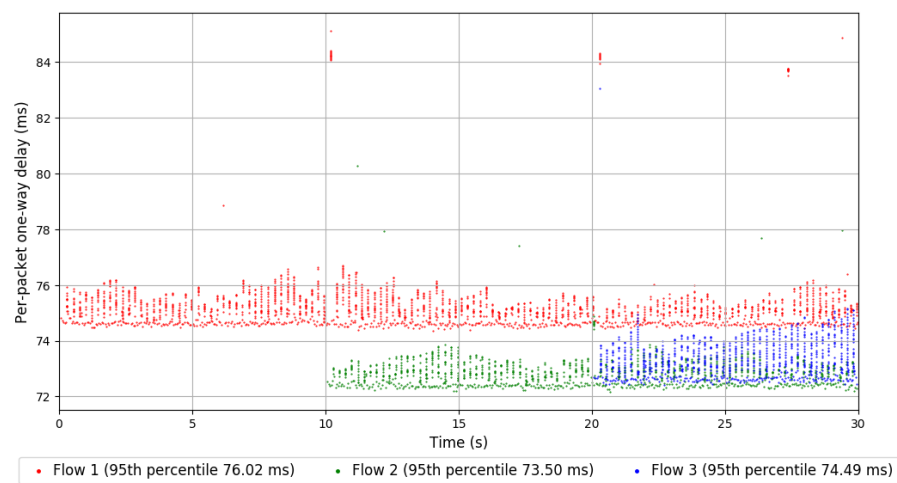
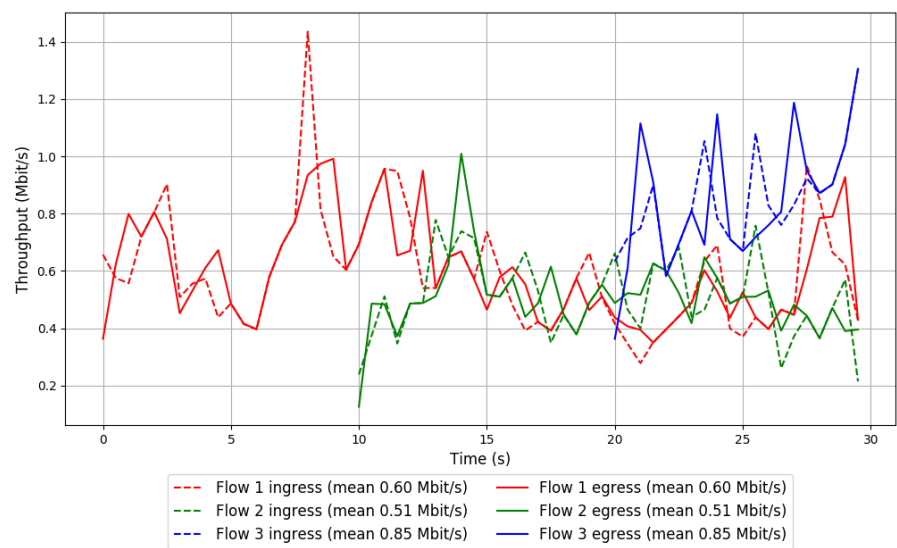
-- Flow 3:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 74.489 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

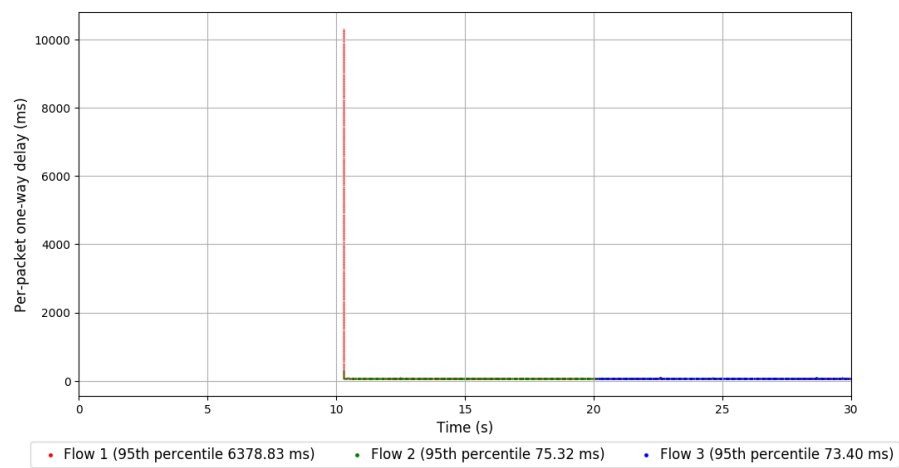
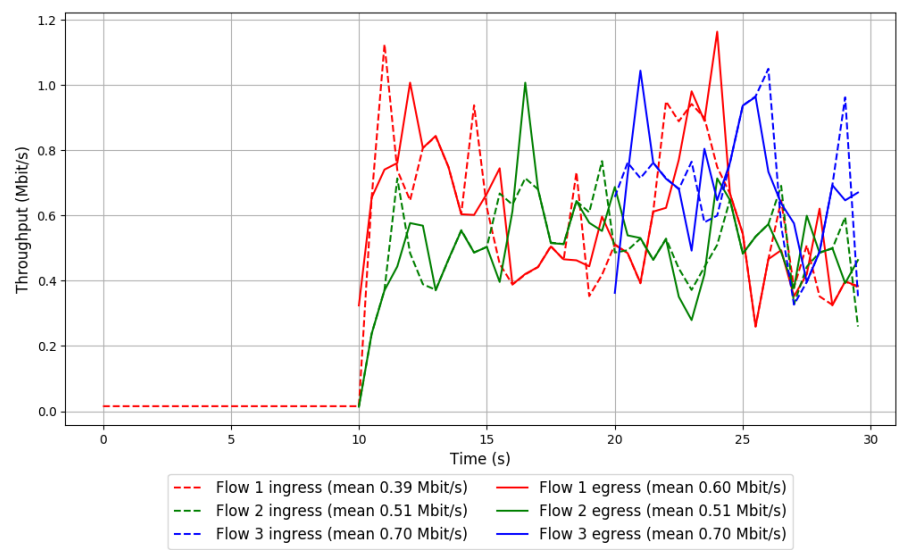
Start at: Sun, 09 Jul 2017 21:56:33 +0000

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

Local clock offset: -0.014 ms

Remote clock offset: -3.248 ms

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

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

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

Local clock offset: 1.062 ms

Remote clock offset: -2.962 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 75.433 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 73.567 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 75.690 ms

Loss rate: 0.00%

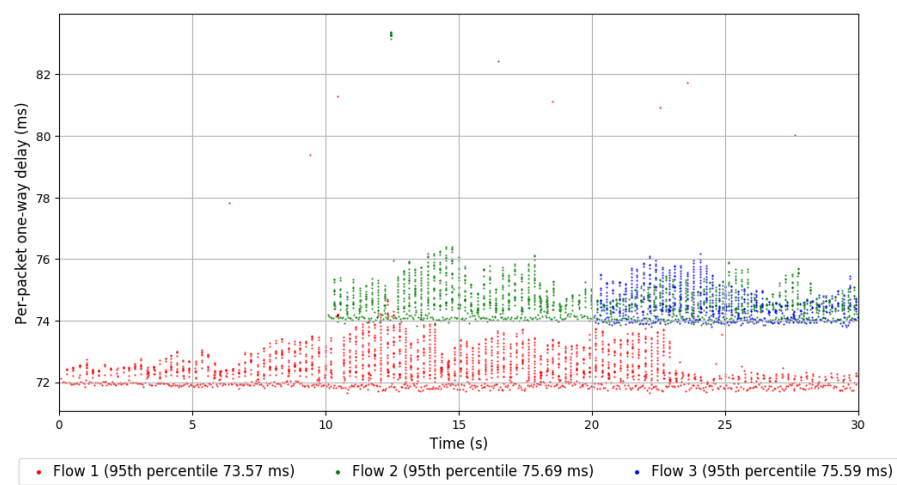
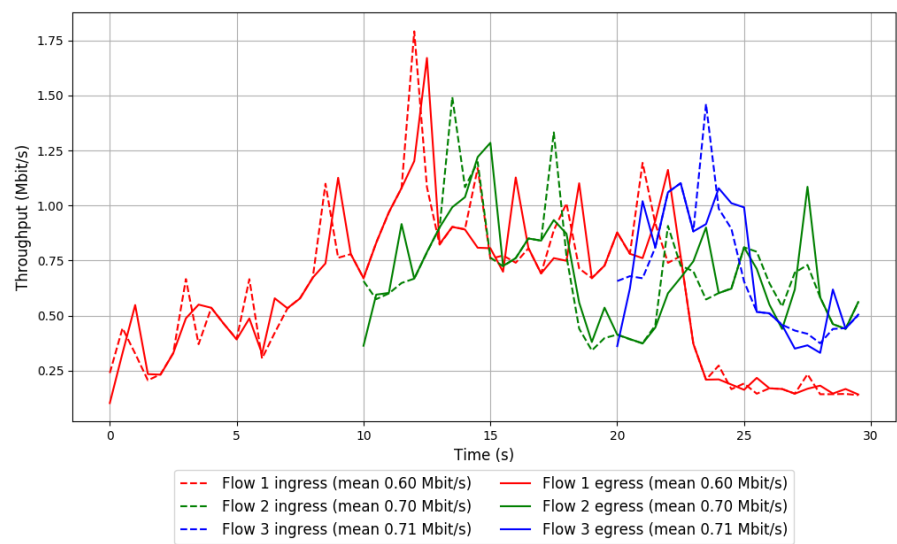
-- Flow 3:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 75.592 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:35:58 +0000

End at: Sun, 09 Jul 2017 22:36:28 +0000

Local clock offset: -0.823 ms

Remote clock offset: -2.501 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 74.162 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 74.532 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 72.832 ms

Loss rate: 0.00%

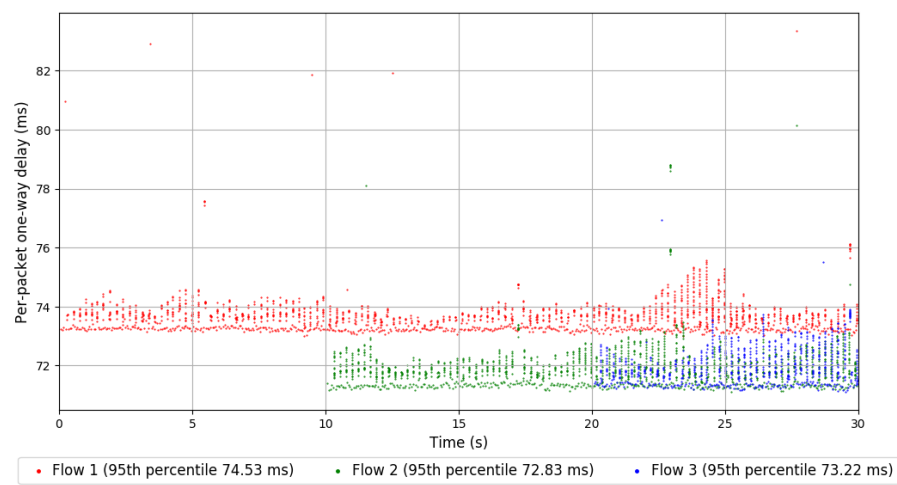
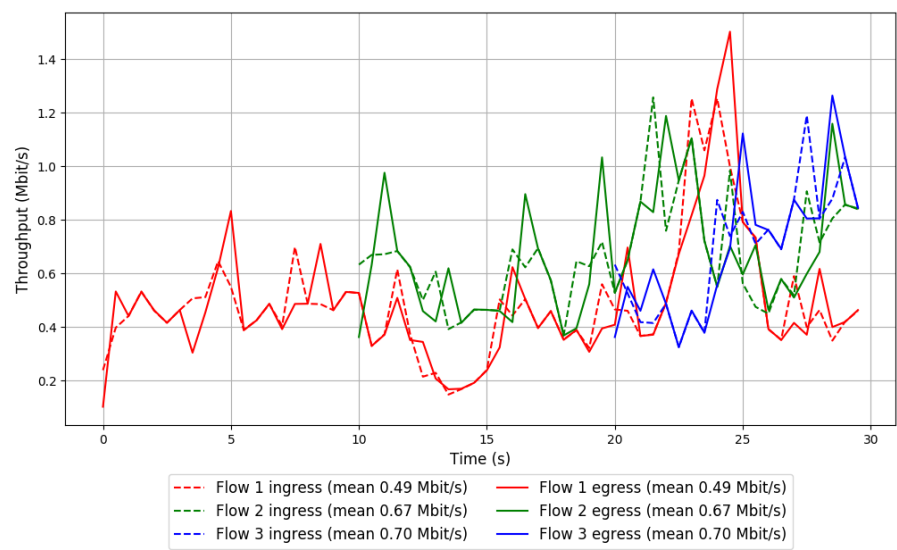
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 73.220 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 09 Jul 2017 22:55:55 +0000

End at: Sun, 09 Jul 2017 22:56:25 +0000

Local clock offset: -0.25 ms

Remote clock offset: -1.909 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 74.707 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 75.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 71.670 ms

Loss rate: 0.00%

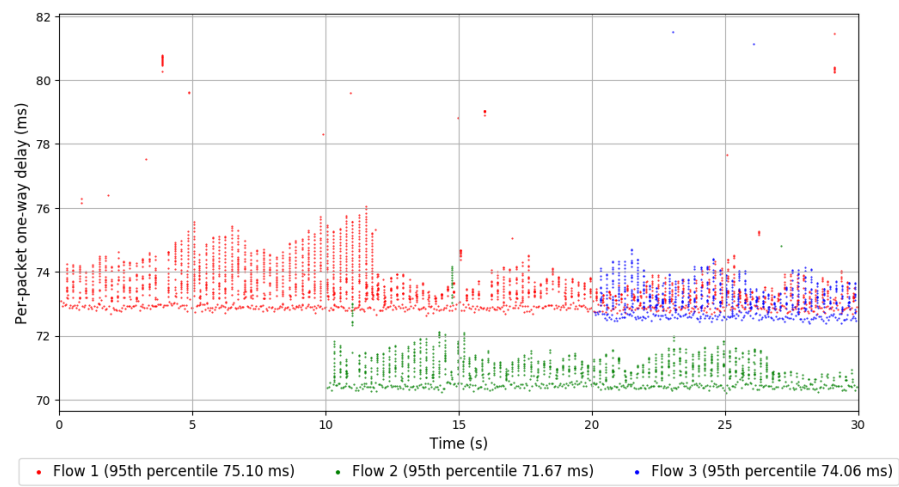
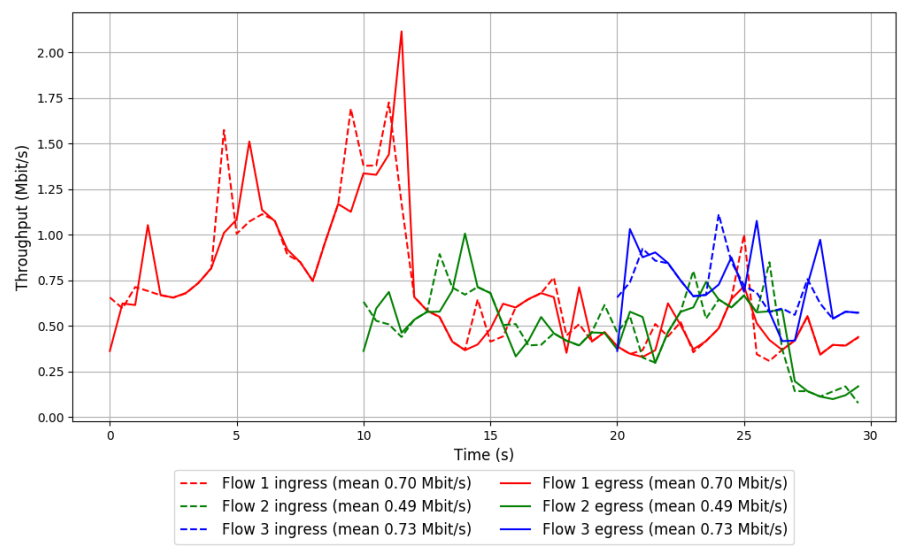
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 74.060 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:04:51 +0000

End at: Sun, 09 Jul 2017 20:05:21 +0000

Local clock offset: 0.615 ms

Remote clock offset: -4.834 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:57:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.60 Mbit/s

95th percentile per-packet one-way delay: 80.813 ms

Loss rate: 7.07%

-- Flow 1:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 80.790 ms

Loss rate: 6.61%

-- Flow 2:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 78.881 ms

Loss rate: 7.28%

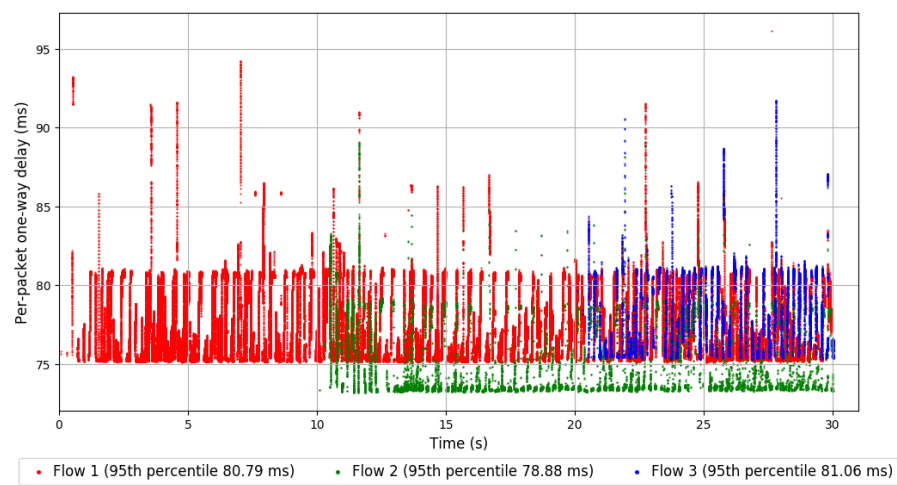
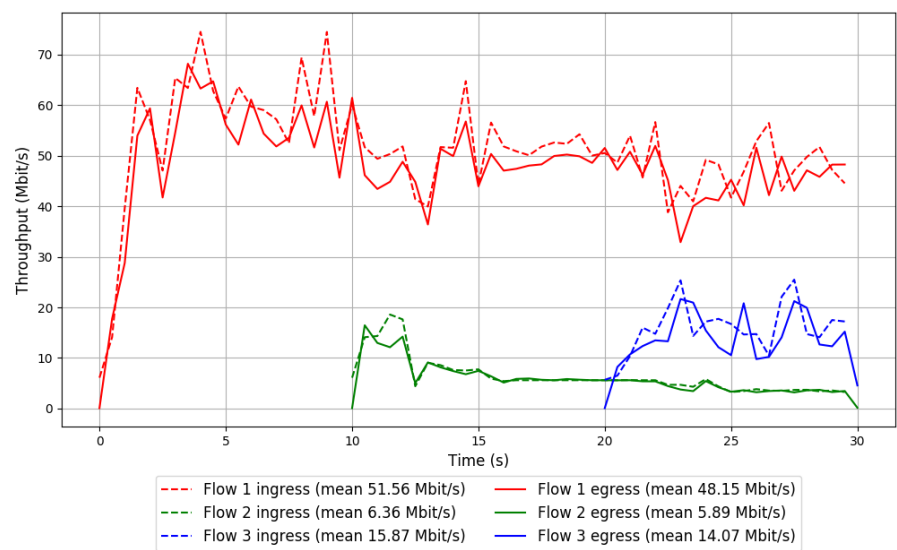
-- Flow 3:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 81.056 ms

Loss rate: 11.37%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 20:24:42 +0000

End at: Sun, 09 Jul 2017 20:25:12 +0000

Local clock offset: -0.543 ms

Remote clock offset: -4.805 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.50 Mbit/s

95th percentile per-packet one-way delay: 78.623 ms

Loss rate: 6.69%

-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 78.515 ms

Loss rate: 6.73%

-- Flow 2:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 80.946 ms

Loss rate: 6.55%

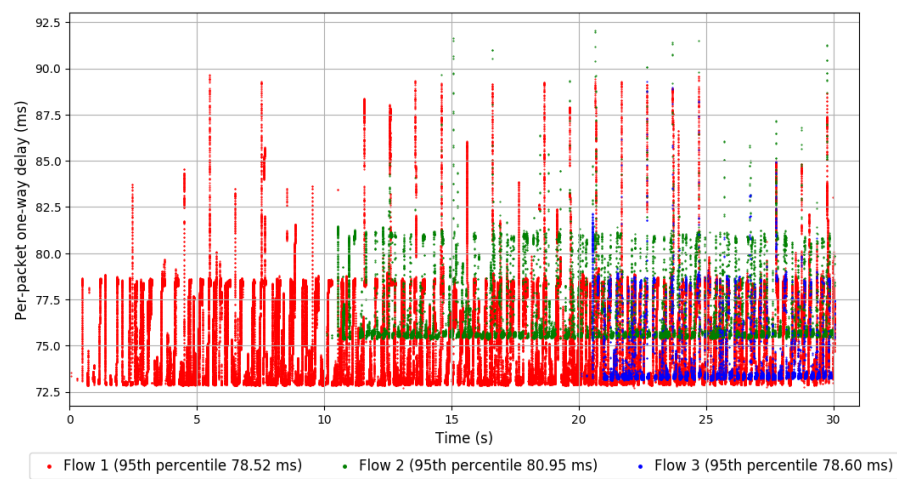
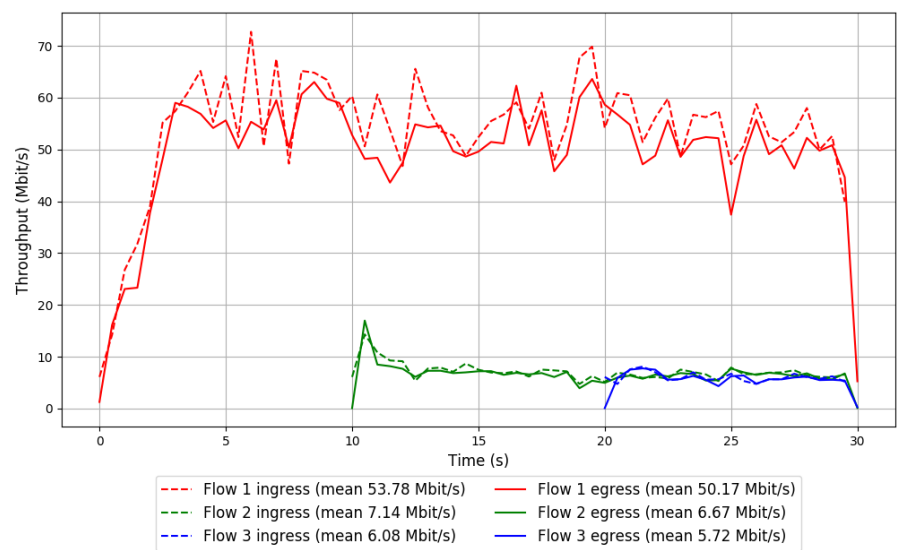
-- Flow 3:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 78.599 ms

Loss rate: 5.84%

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



Run 3: Statistics of TaoVA-100x

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

End at: Sun, 09 Jul 2017 20:44:50 +0000

Local clock offset: -0.533 ms

Remote clock offset: -5.03 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 79.109 ms

Loss rate: 7.88%

-- Flow 1:

Average throughput: 46.74 Mbit/s

95th percentile per-packet one-way delay: 79.055 ms

Loss rate: 7.50%

-- Flow 2:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 80.929 ms

Loss rate: 8.63%

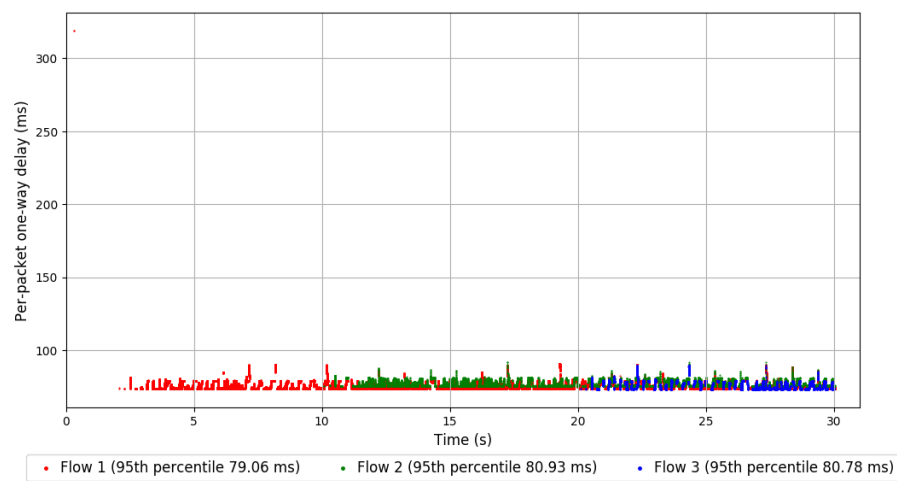
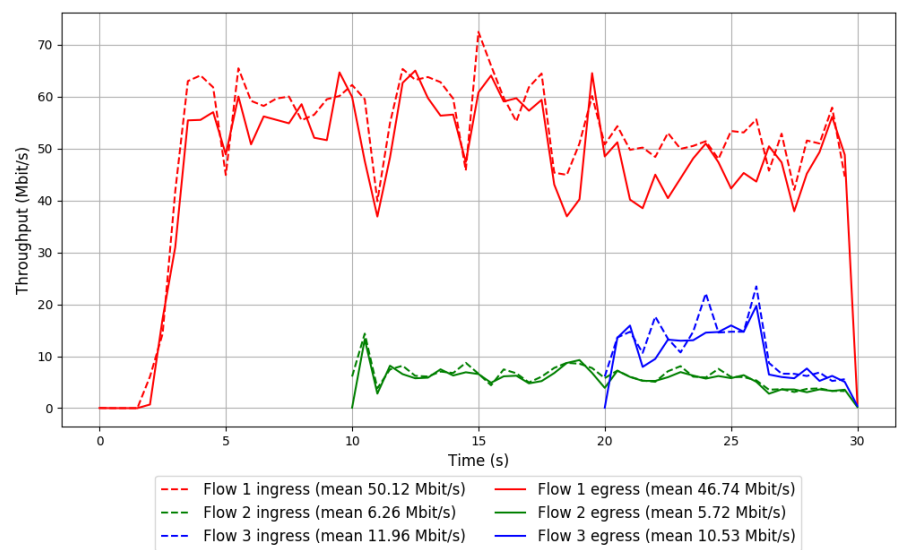
-- Flow 3:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 80.776 ms

Loss rate: 11.93%

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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:04:10 +0000

End at: Sun, 09 Jul 2017 21:04:40 +0000

Local clock offset: -0.557 ms

Remote clock offset: -4.695 ms

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

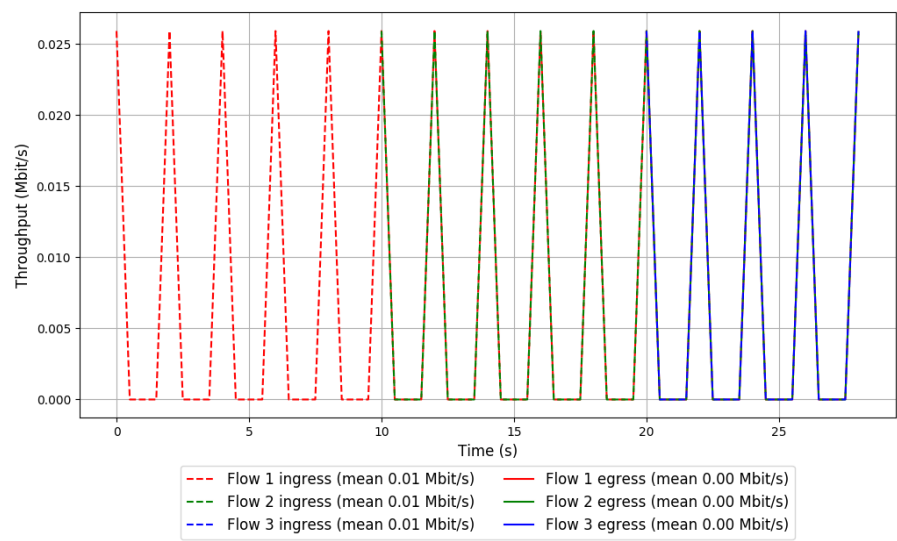


Figure is missing

Run 5: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:23:42 +0000

End at: Sun, 09 Jul 2017 21:24:12 +0000

Local clock offset: -0.292 ms

Remote clock offset: -4.103 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.44 Mbit/s

95th percentile per-packet one-way delay: 80.269 ms

Loss rate: 4.87%

-- Flow 1:

Average throughput: 51.82 Mbit/s

95th percentile per-packet one-way delay: 80.276 ms

Loss rate: 5.09%

-- Flow 2:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 80.051 ms

Loss rate: 2.75%

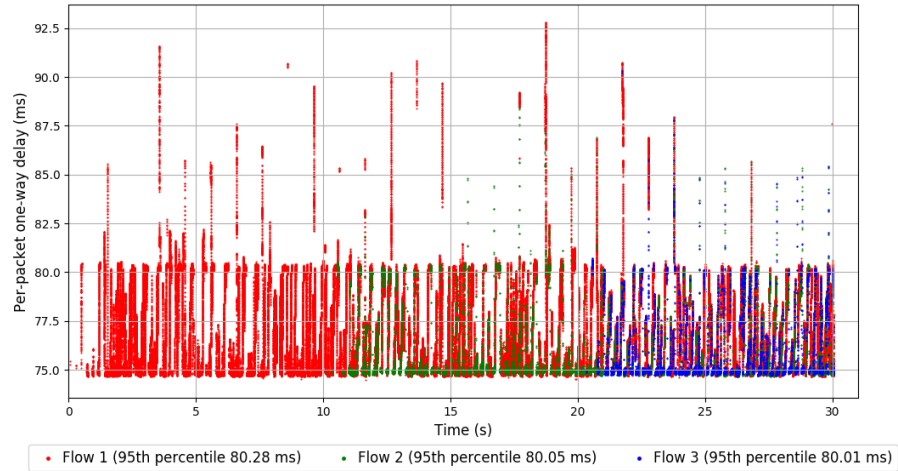
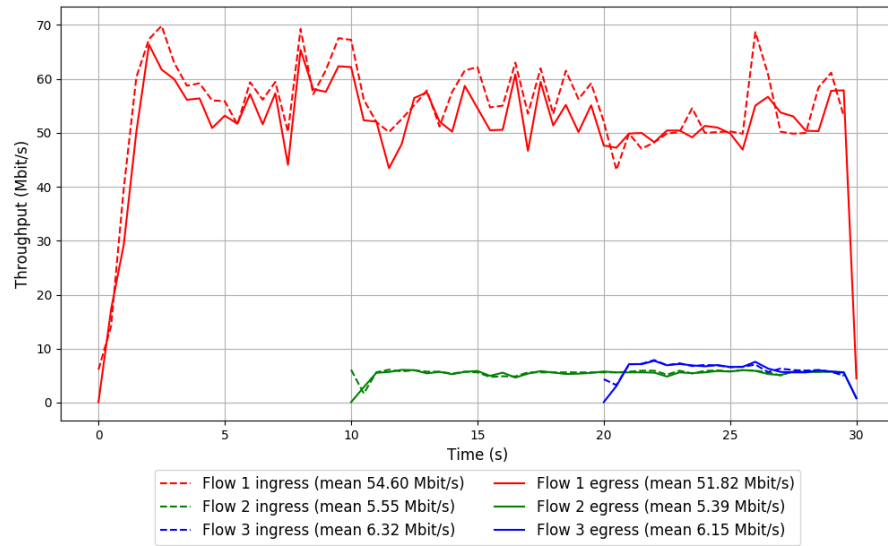
-- Flow 3:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 80.010 ms

Loss rate: 2.80%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 21:43:24 +0000

End at: Sun, 09 Jul 2017 21:43:54 +0000

Local clock offset: 1.056 ms

Remote clock offset: -3.679 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.99 Mbit/s

95th percentile per-packet one-way delay: 77.854 ms

Loss rate: 6.85%

-- Flow 1:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 77.851 ms

Loss rate: 6.81%

-- Flow 2:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 77.839 ms

Loss rate: 6.94%

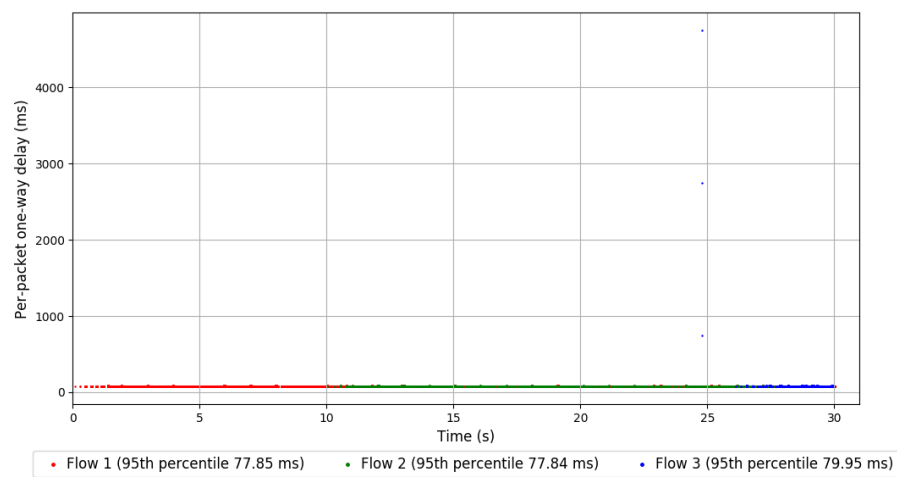
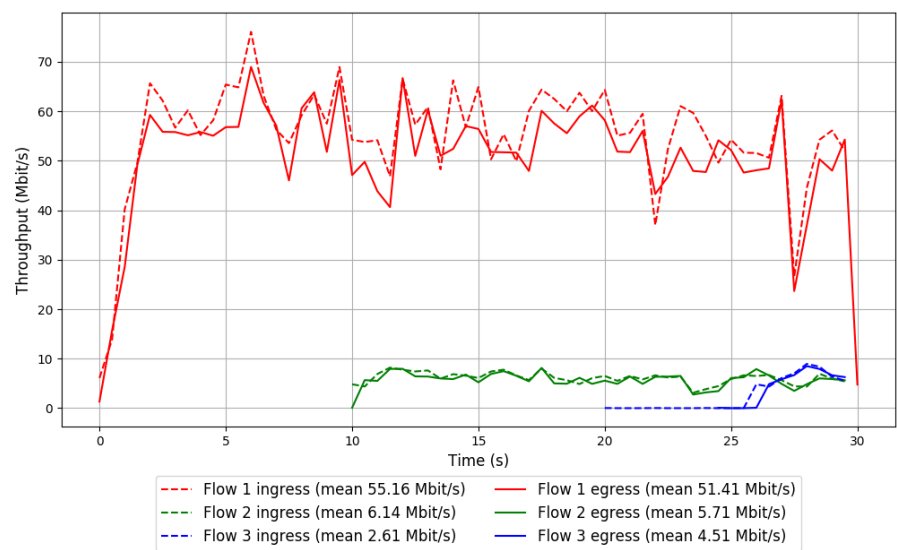
-- Flow 3:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 79.954 ms

Loss rate: 9.16%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:03:07 +0000

End at: Sun, 09 Jul 2017 22:03:37 +0000

Local clock offset: -0.143 ms

Remote clock offset: -3.104 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 78.288 ms

Loss rate: 8.10%

-- Flow 1:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 77.790 ms

Loss rate: 7.54%

-- Flow 2:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 77.718 ms

Loss rate: 10.18%

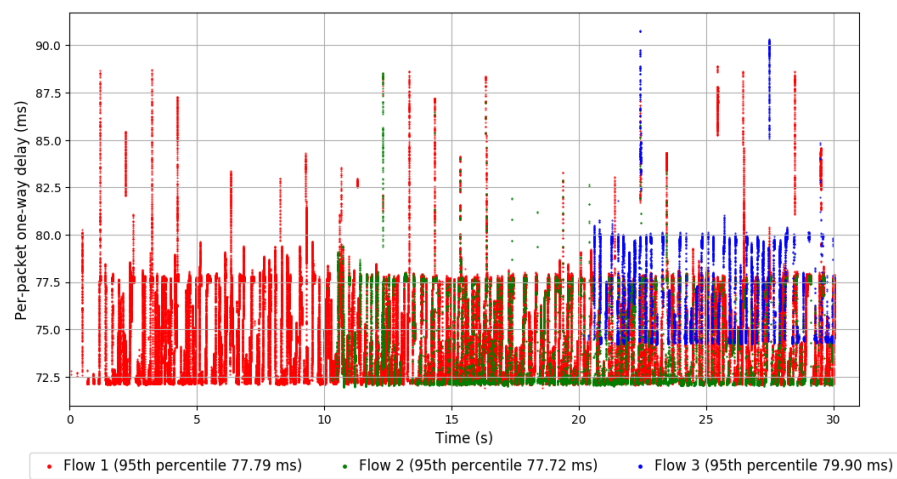
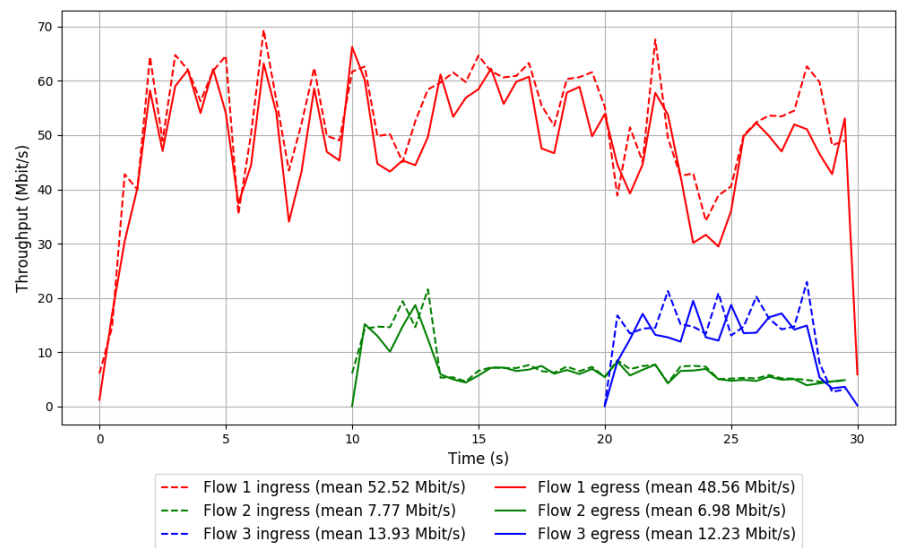
-- Flow 3:

Average throughput: 12.23 Mbit/s

95th percentile per-packet one-way delay: 79.896 ms

Loss rate: 12.19%

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



Run 8: Statistics of TaoVA-100x

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

End at: Sun, 09 Jul 2017 22:23:19 +0000

Local clock offset: -0.201 ms

Remote clock offset: -2.737 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.53 Mbit/s

95th percentile per-packet one-way delay: 79.180 ms

Loss rate: 7.73%

-- Flow 1:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 79.186 ms

Loss rate: 7.46%

-- Flow 2:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 76.860 ms

Loss rate: 7.50%

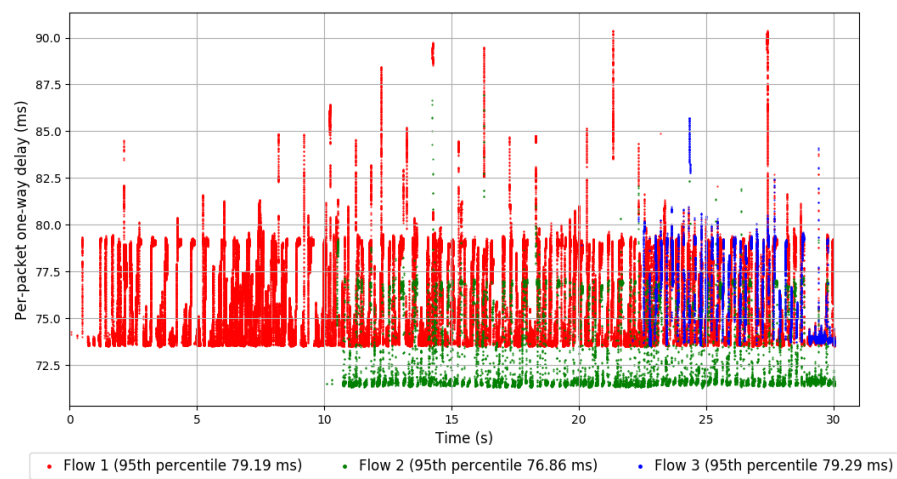
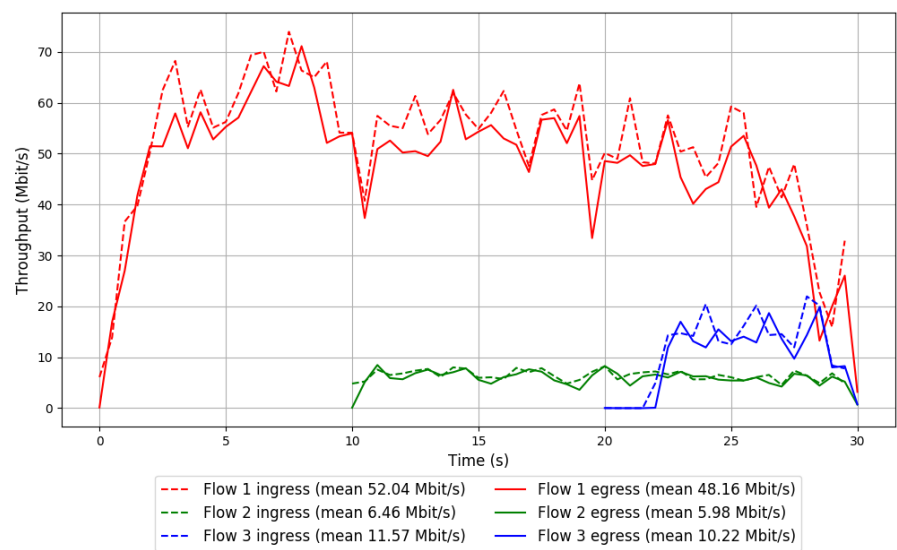
-- Flow 3:

Average throughput: 10.22 Mbit/s

95th percentile per-packet one-way delay: 79.289 ms

Loss rate: 11.70%

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 22:42:36 +0000

End at: Sun, 09 Jul 2017 22:43:06 +0000

Local clock offset: -0.018 ms

Remote clock offset: -2.288 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.11 Mbit/s

95th percentile per-packet one-way delay: 78.603 ms

Loss rate: 5.51%

-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 78.605 ms

Loss rate: 5.50%

-- Flow 2:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 78.676 ms

Loss rate: 5.72%

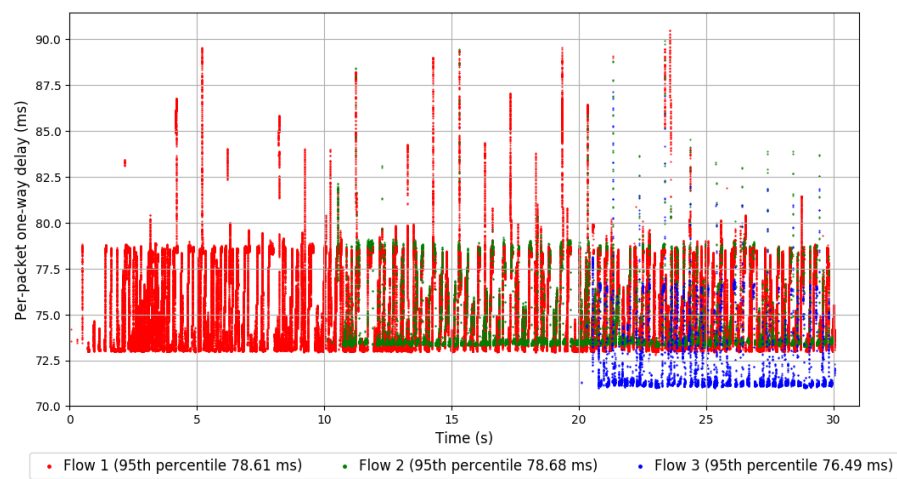
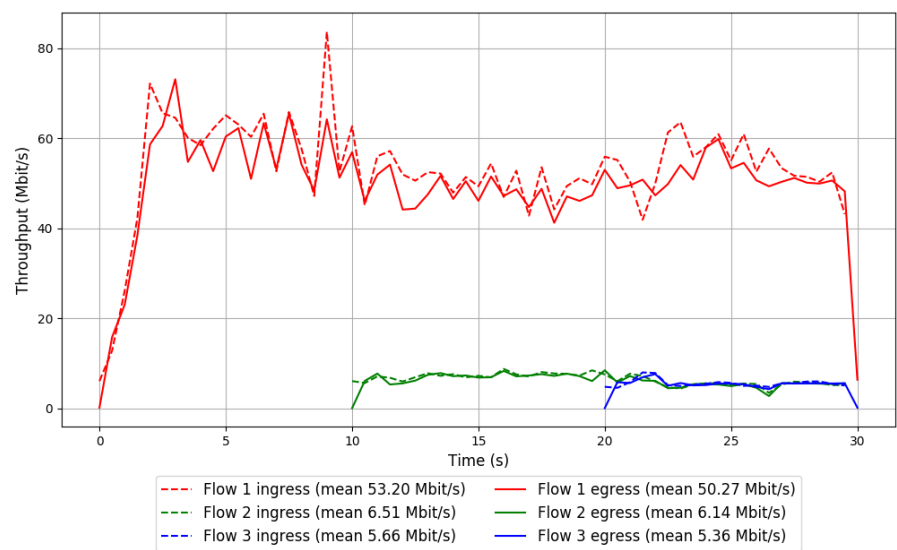
-- Flow 3:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 76.486 ms

Loss rate: 5.33%

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



Run 10: Statistics of TaoVA-100x

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

End at: Sun, 09 Jul 2017 23:02:59 +0000

Local clock offset: -0.156 ms

Remote clock offset: -1.701 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.29 Mbit/s

95th percentile per-packet one-way delay: 78.190 ms

Loss rate: 8.23%

-- Flow 1:

Average throughput: 44.48 Mbit/s

95th percentile per-packet one-way delay: 78.219 ms

Loss rate: 8.15%

-- Flow 2:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 75.684 ms

Loss rate: 8.41%

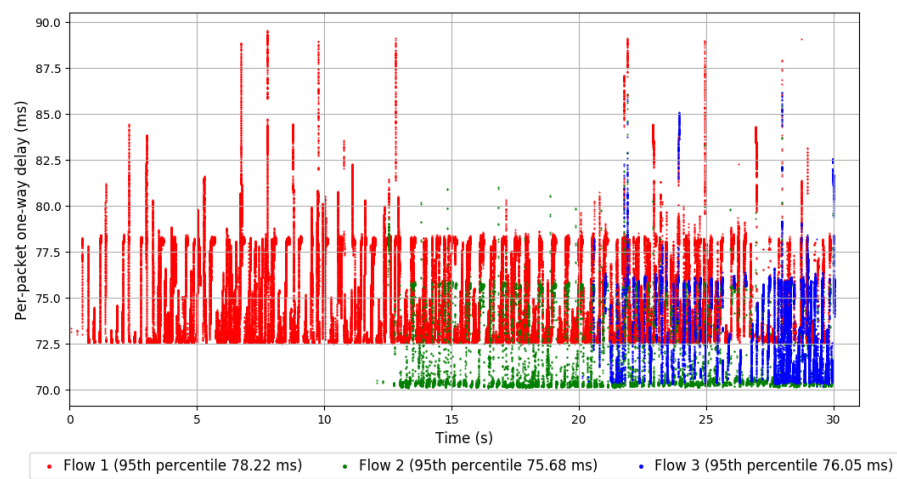
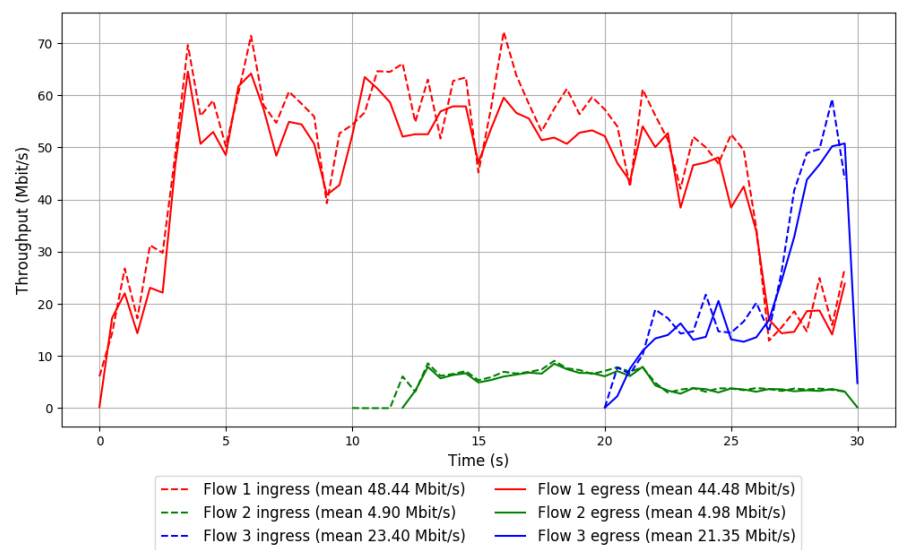
-- Flow 3:

Average throughput: 21.35 Mbit/s

95th percentile per-packet one-way delay: 76.052 ms

Loss rate: 8.69%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:02:18 +0000

End at: Sun, 09 Jul 2017 20:02:48 +0000

Local clock offset: 0.693 ms

Remote clock offset: -4.839 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.82 Mbit/s

95th percentile per-packet one-way delay: 77.697 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 78.212 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 76.877 ms

Loss rate: 0.97%

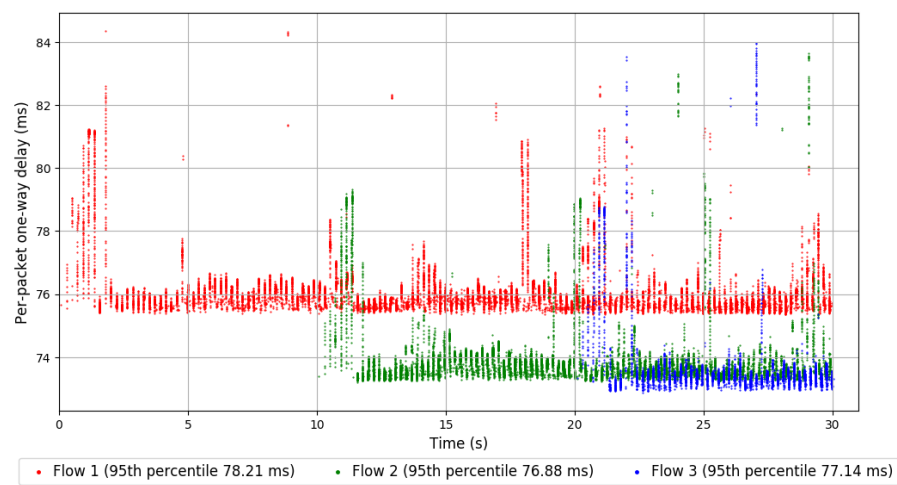
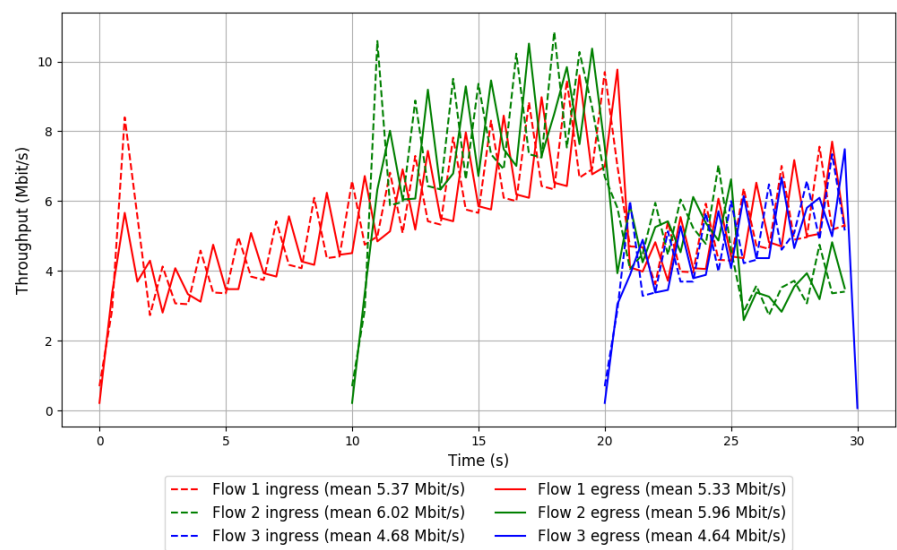
-- Flow 3:

Average throughput: 4.64 Mbit/s

95th percentile per-packet one-way delay: 77.144 ms

Loss rate: 0.88%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

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

End at: Sun, 09 Jul 2017 20:22:39 +0000

Local clock offset: -0.413 ms

Remote clock offset: -4.826 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 77.510 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 76.608 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 78.976 ms

Loss rate: 1.59%

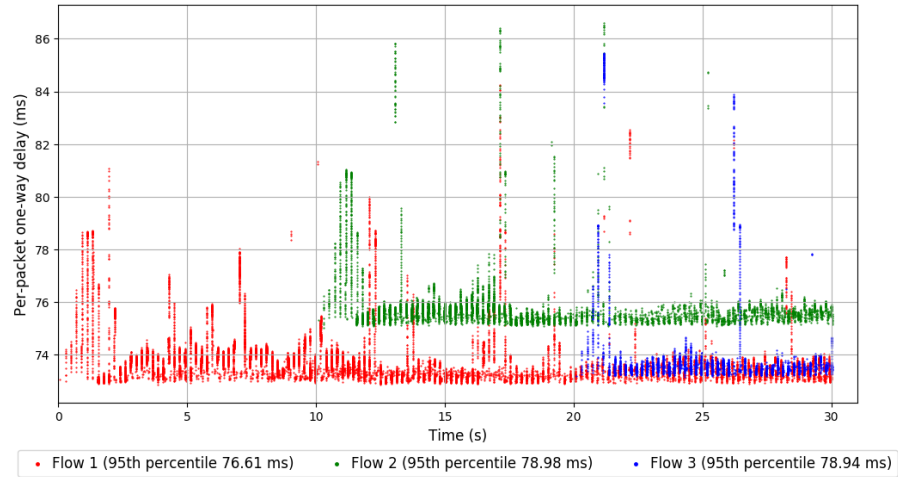
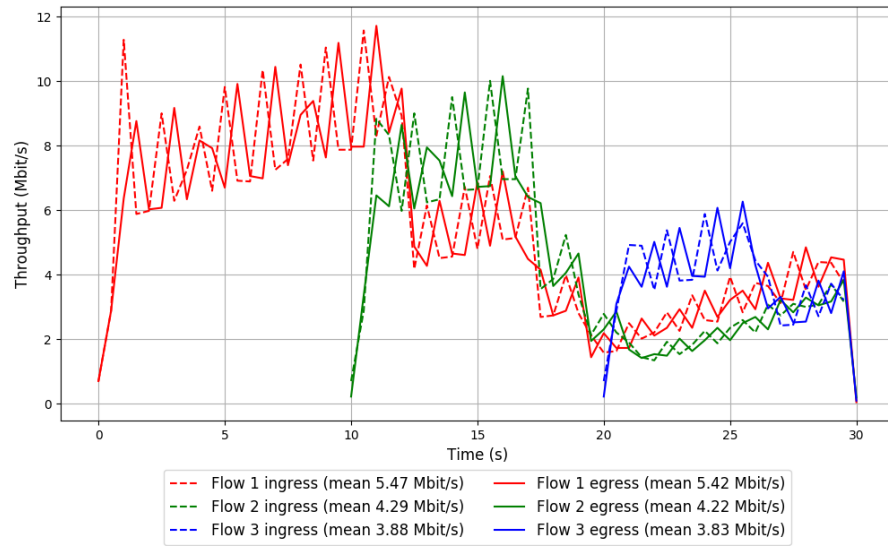
-- Flow 3:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 78.938 ms

Loss rate: 1.28%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 20:41:47 +0000

End at: Sun, 09 Jul 2017 20:42:17 +0000

Local clock offset: 0.546 ms

Remote clock offset: -5.072 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 78.184 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 5.18 Mbit/s

95th percentile per-packet one-way delay: 77.209 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 76.834 ms

Loss rate: 0.58%

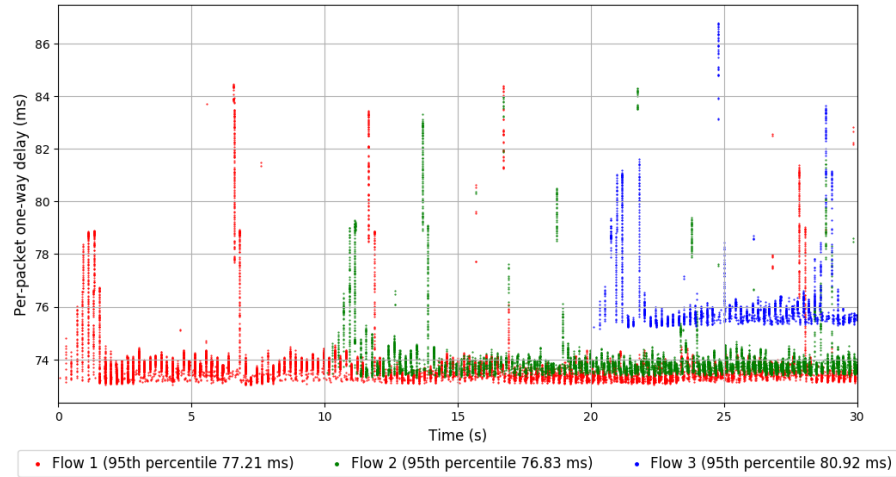
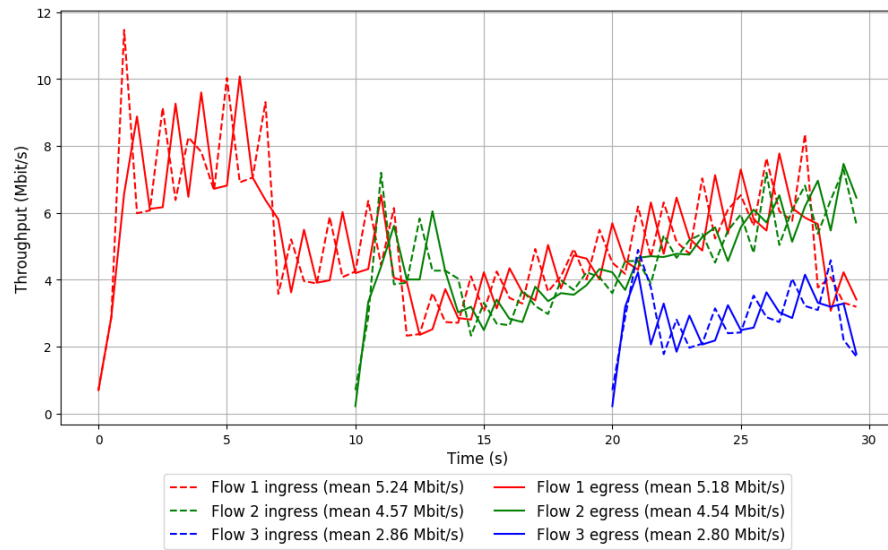
-- Flow 3:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 80.920 ms

Loss rate: 2.28%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:01:37 +0000

End at: Sun, 09 Jul 2017 21:02:07 +0000

Local clock offset: -0.497 ms

Remote clock offset: -4.734 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 77.444 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 75.219 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 79.011 ms

Loss rate: 1.69%

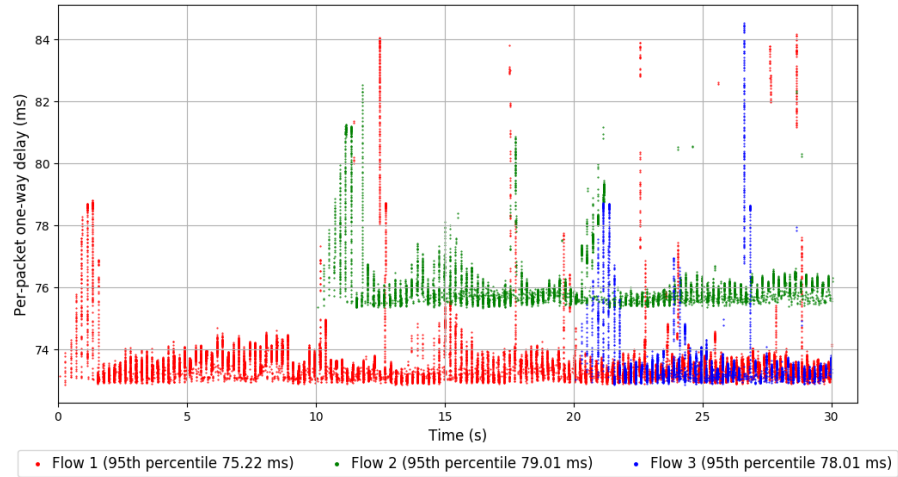
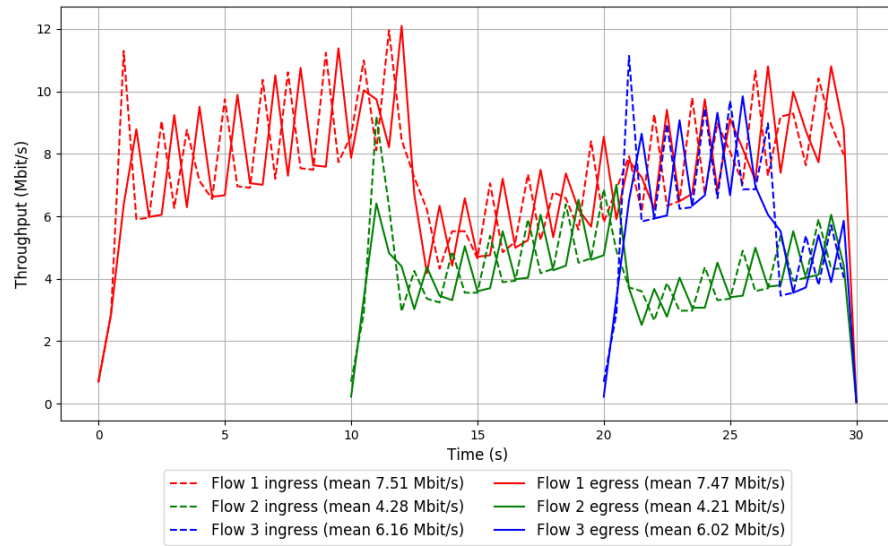
-- Flow 3:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 78.006 ms

Loss rate: 2.24%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

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

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

Local clock offset: -0.248 ms

Remote clock offset: -4.156 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 76.984 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 75.761 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 5.48 Mbit/s

95th percentile per-packet one-way delay: 76.504 ms

Loss rate: 1.06%

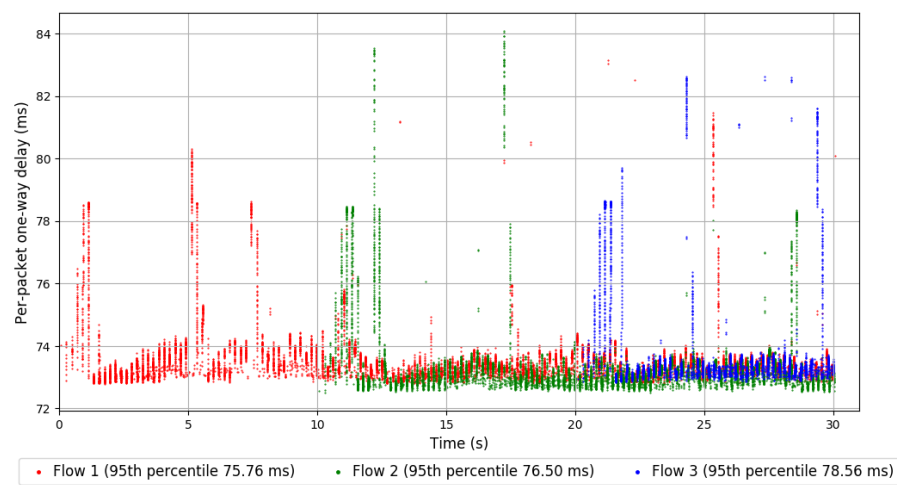
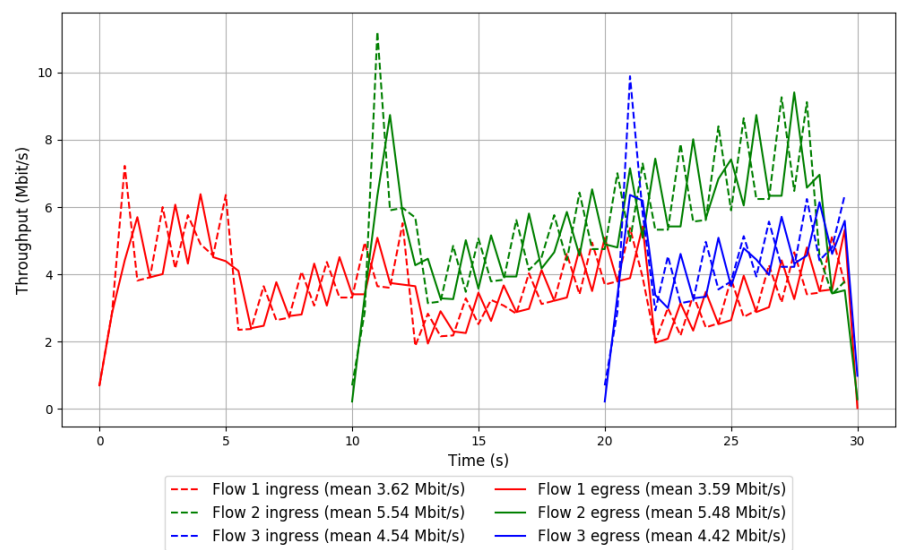
-- Flow 3:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 78.560 ms

Loss rate: 3.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 21:40:51 +0000

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

Local clock offset: 0.999 ms

Remote clock offset: -3.763 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 79.668 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 79.563 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 80.166 ms

Loss rate: 2.60%

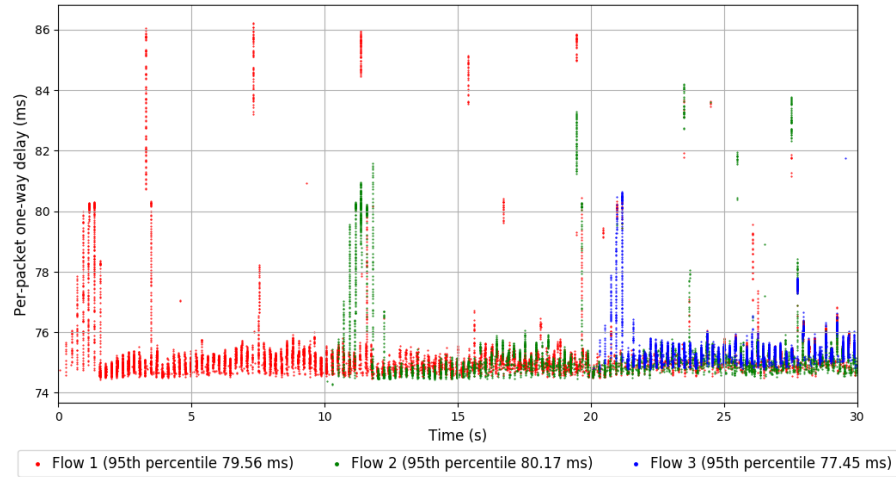
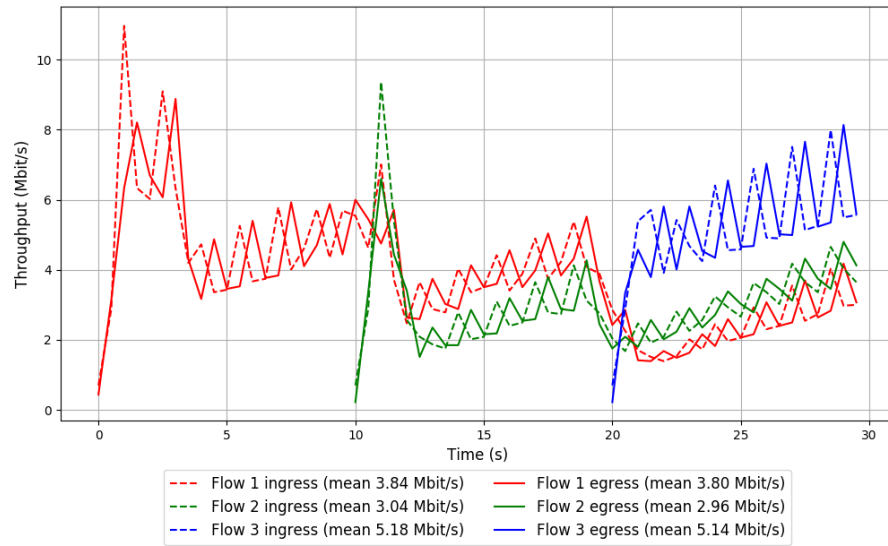
-- Flow 3:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 77.451 ms

Loss rate: 0.82%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:00:34 +0000

End at: Sun, 09 Jul 2017 22:01:04 +0000

Local clock offset: 1.109 ms

Remote clock offset: -3.232 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 78.354 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 77.615 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 78.589 ms

Loss rate: 1.95%

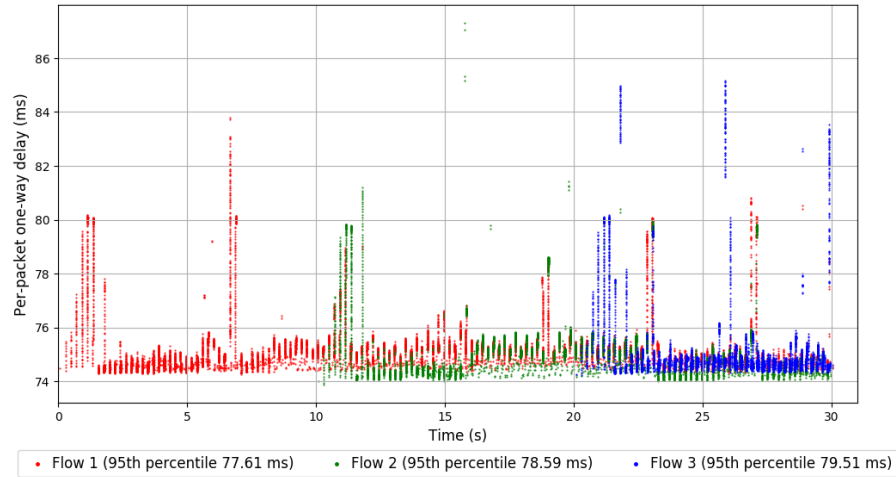
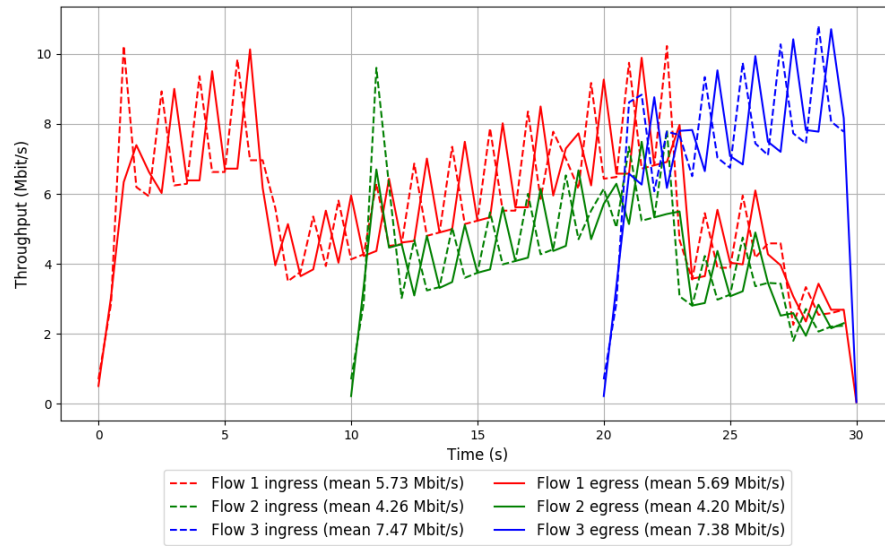
-- Flow 3:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 79.506 ms

Loss rate: 1.29%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:20:17 +0000

End at: Sun, 09 Jul 2017 22:20:47 +0000

Local clock offset: 0.005 ms

Remote clock offset: -2.866 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 76.709 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 77.889 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 5.78 Mbit/s

95th percentile per-packet one-way delay: 74.301 ms

Loss rate: 1.00%

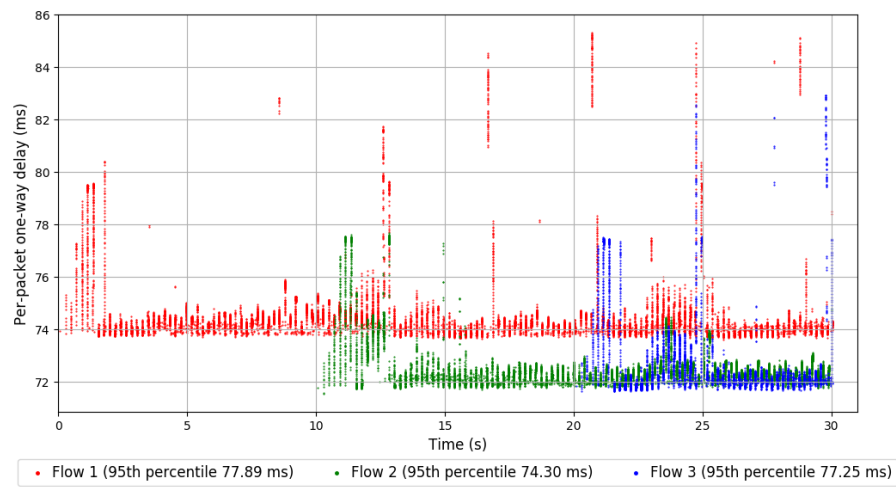
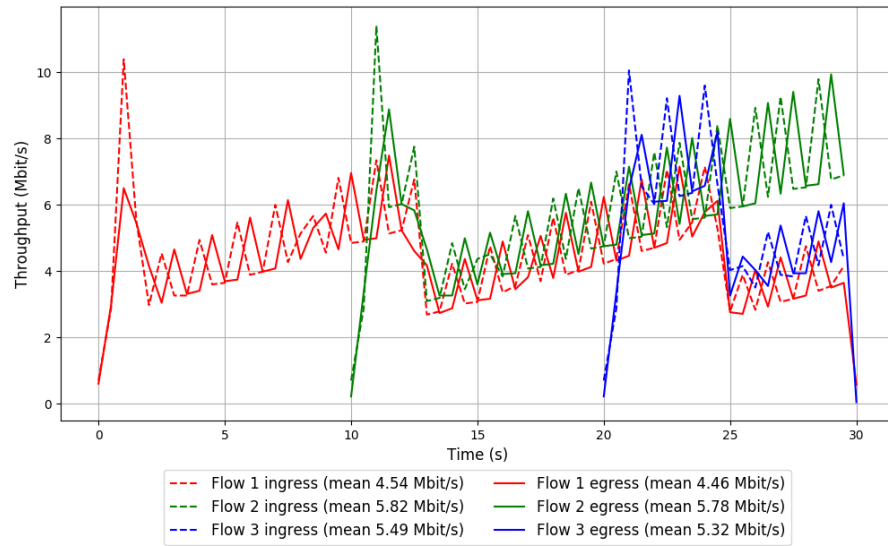
-- Flow 3:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 77.254 ms

Loss rate: 3.21%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

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

End at: Sun, 09 Jul 2017 22:40:28 +0000

Local clock offset: 0.039 ms

Remote clock offset: -2.306 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:58:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 75.297 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 75.156 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 74.840 ms

Loss rate: 1.46%

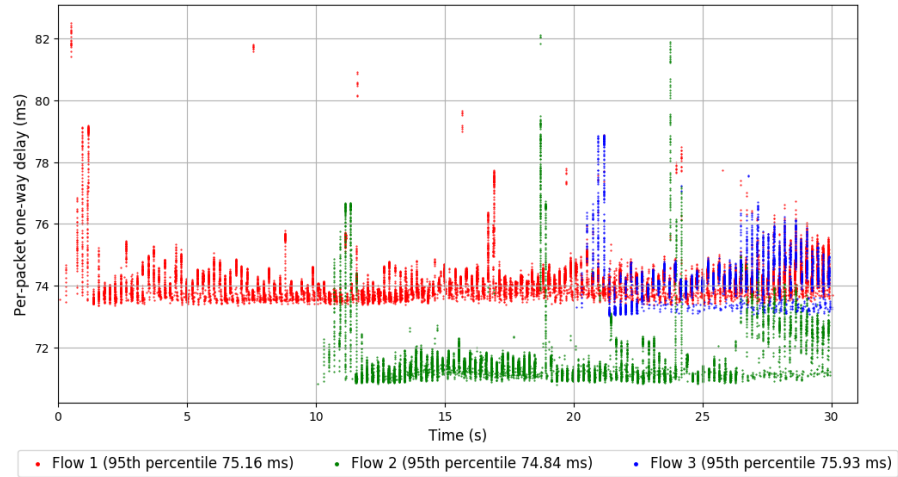
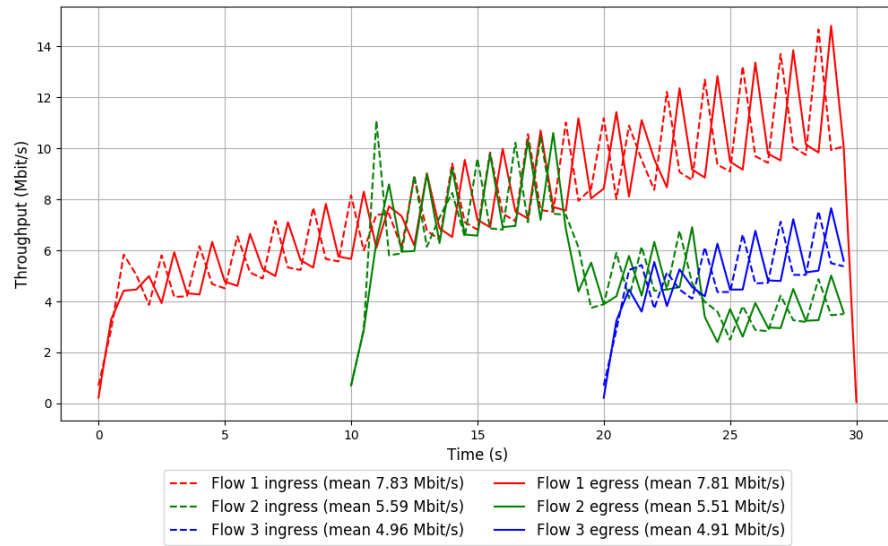
-- Flow 3:

Average throughput: 4.91 Mbit/s

95th percentile per-packet one-way delay: 75.926 ms

Loss rate: 0.90%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 22:59:56 +0000

End at: Sun, 09 Jul 2017 23:00:26 +0000

Local clock offset: 0.902 ms

Remote clock offset: -1.777 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 73.750 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 8.24 Mbit/s

95th percentile per-packet one-way delay: 72.916 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 74.351 ms

Loss rate: 1.10%

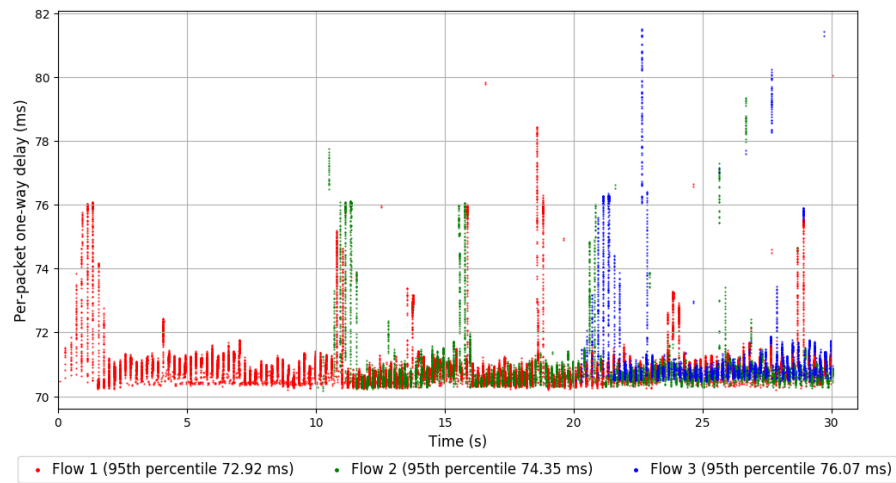
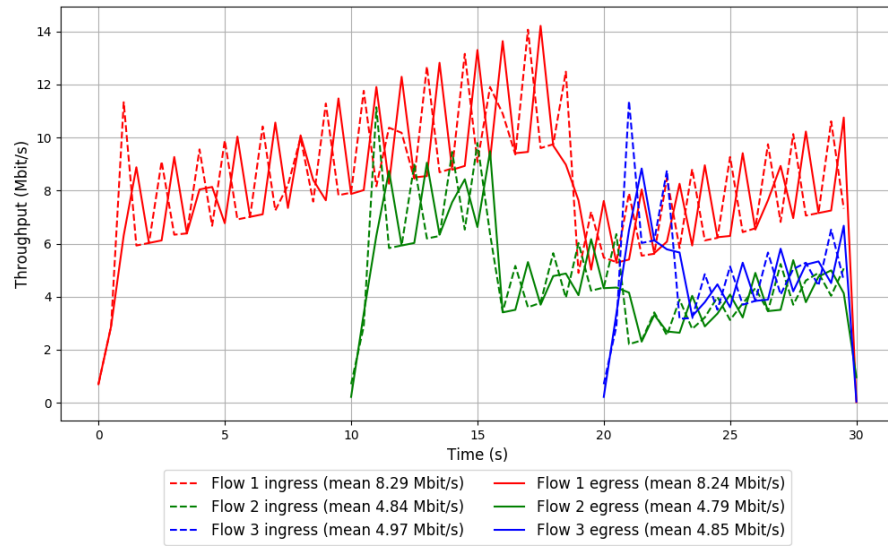
-- Flow 3:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 76.071 ms

Loss rate: 2.50%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 09 Jul 2017 20:07:29 +0000

End at: Sun, 09 Jul 2017 20:07:59 +0000

Local clock offset: 0.602 ms

Remote clock offset: -4.821 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.82 Mbit/s

95th percentile per-packet one-way delay: 82.929 ms

Loss rate: 71.18%

-- Flow 1:

Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 82.993 ms

Loss rate: 75.54%

-- Flow 2:

Average throughput: 19.43 Mbit/s

95th percentile per-packet one-way delay: 82.643 ms

Loss rate: 62.11%

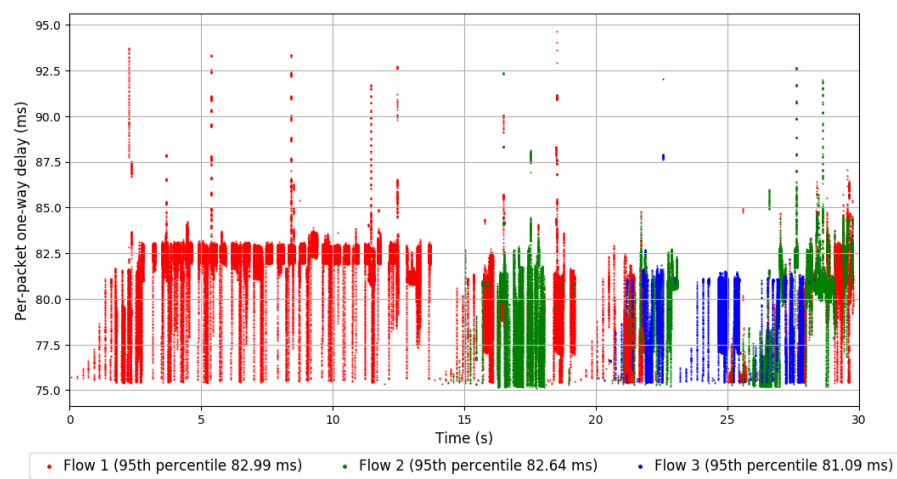
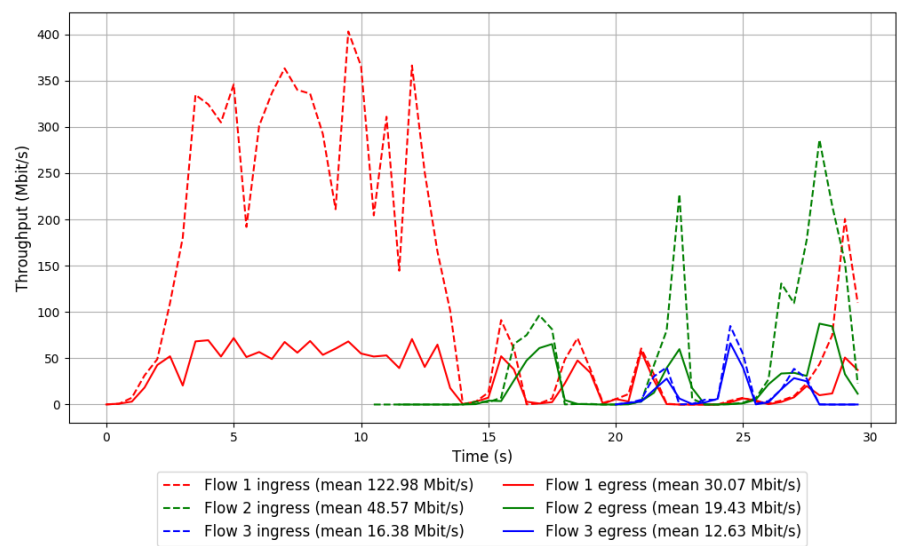
-- Flow 3:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 81.087 ms

Loss rate: 22.80%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

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

Local clock offset: -0.681 ms

Remote clock offset: -4.782 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 82.377 ms

Loss rate: 62.62%

-- Flow 1:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 80.393 ms

Loss rate: 68.07%

-- Flow 2:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 80.010 ms

Loss rate: 37.66%

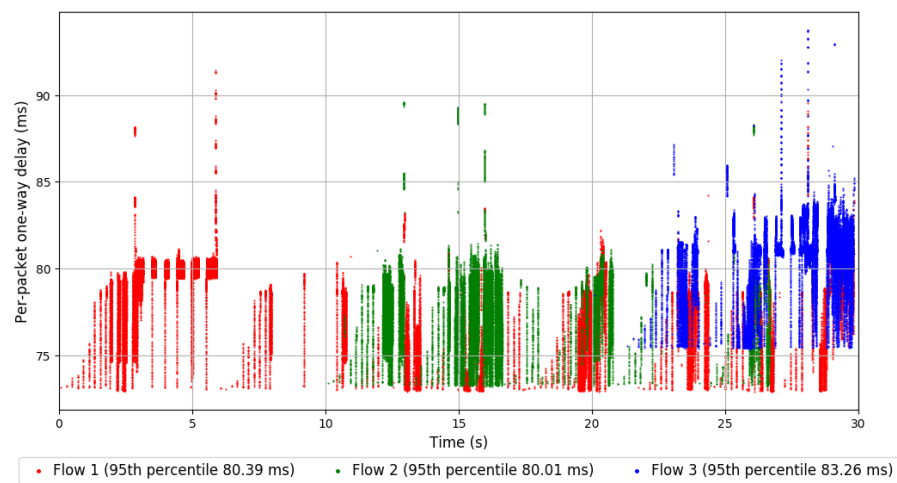
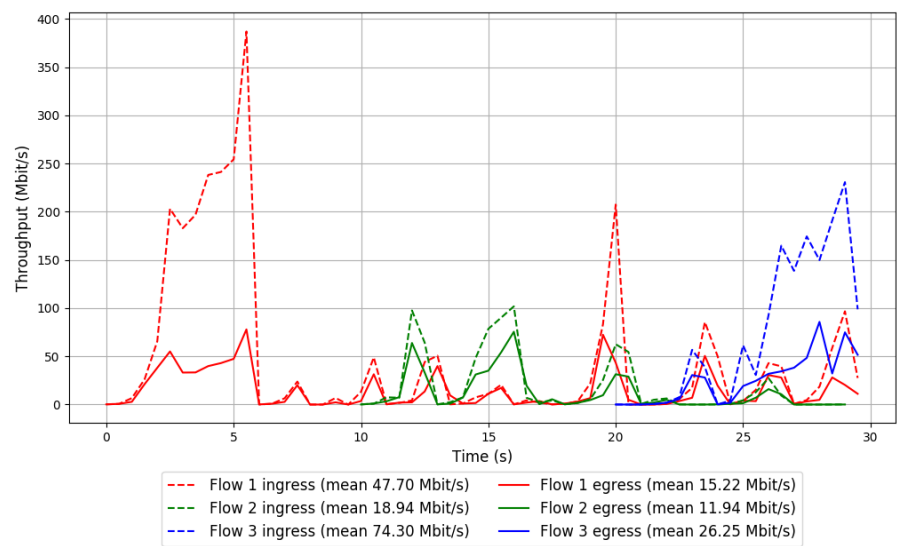
-- Flow 3:

Average throughput: 26.25 Mbit/s

95th percentile per-packet one-way delay: 83.256 ms

Loss rate: 64.66%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

End at: Sun, 09 Jul 2017 20:47:27 +0000

Local clock offset: -0.656 ms

Remote clock offset: -5.102 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 84.297 ms

Loss rate: 67.85%

-- Flow 1:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 84.076 ms

Loss rate: 65.55%

-- Flow 2:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 84.524 ms

Loss rate: 70.65%

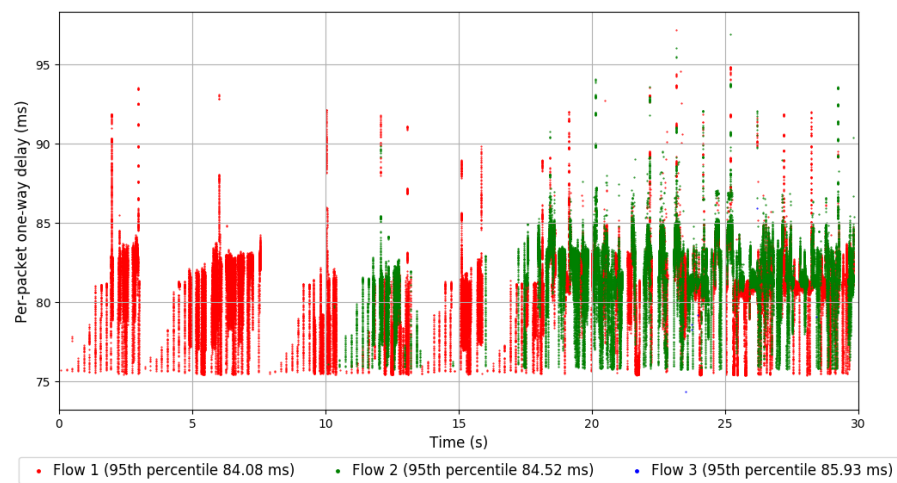
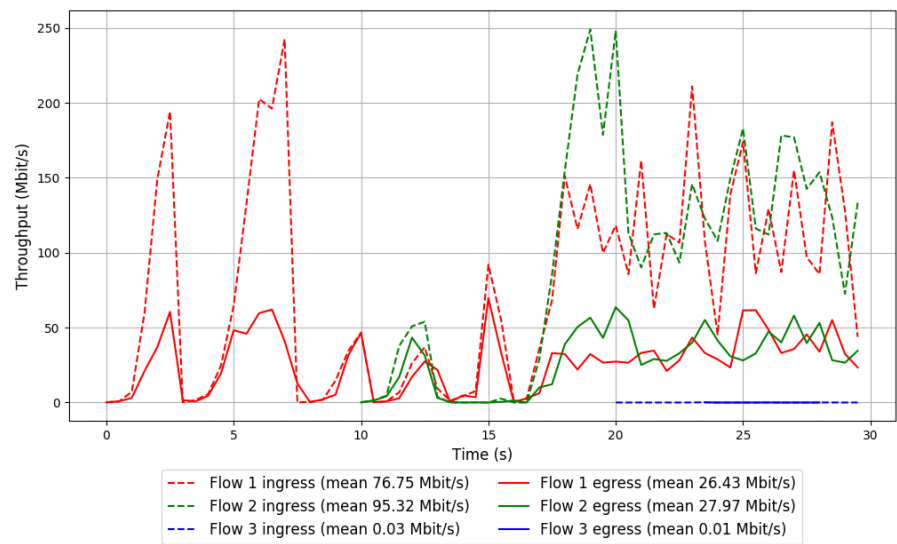
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 85.930 ms

Loss rate: 71.43%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:06:39 +0000

End at: Sun, 09 Jul 2017 21:07:09 +0000

Local clock offset: 0.673 ms

Remote clock offset: -4.648 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.93 Mbit/s

95th percentile per-packet one-way delay: 83.152 ms

Loss rate: 76.64%

-- Flow 1:

Average throughput: 51.52 Mbit/s

95th percentile per-packet one-way delay: 83.168 ms

Loss rate: 76.81%

-- Flow 2:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 81.479 ms

Loss rate: 74.57%

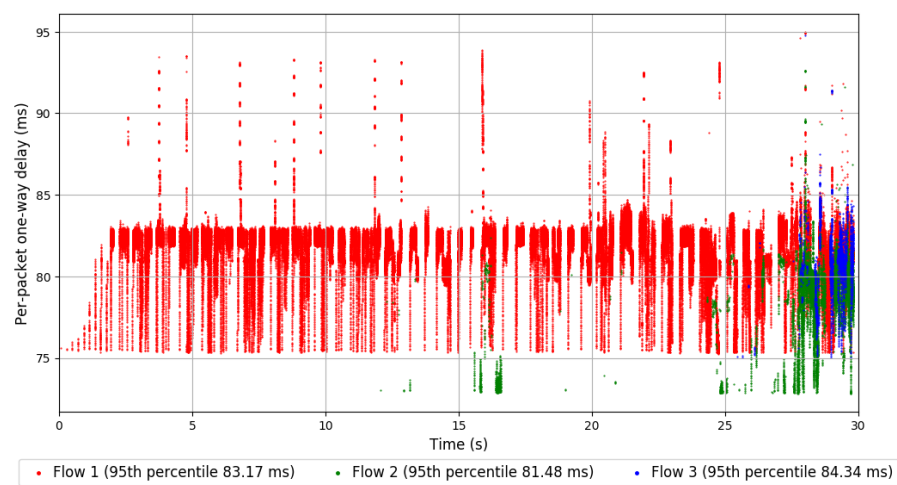
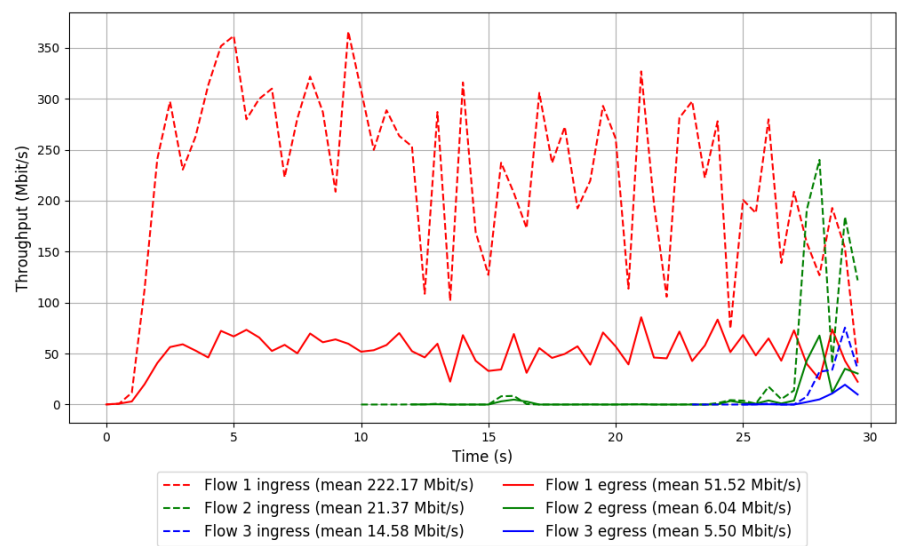
-- Flow 3:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 84.342 ms

Loss rate: 74.09%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:26:20 +0000

End at: Sun, 09 Jul 2017 21:26:50 +0000

Local clock offset: -0.222 ms

Remote clock offset: -4.058 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.04 Mbit/s

95th percentile per-packet one-way delay: 82.843 ms

Loss rate: 74.95%

-- Flow 1:

Average throughput: 50.49 Mbit/s

95th percentile per-packet one-way delay: 81.131 ms

Loss rate: 74.62%

-- Flow 2:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 84.082 ms

Loss rate: 76.24%

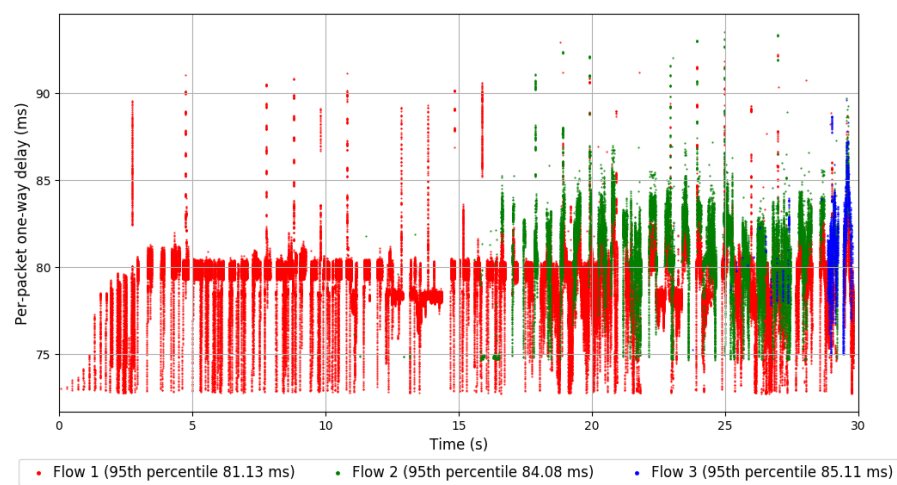
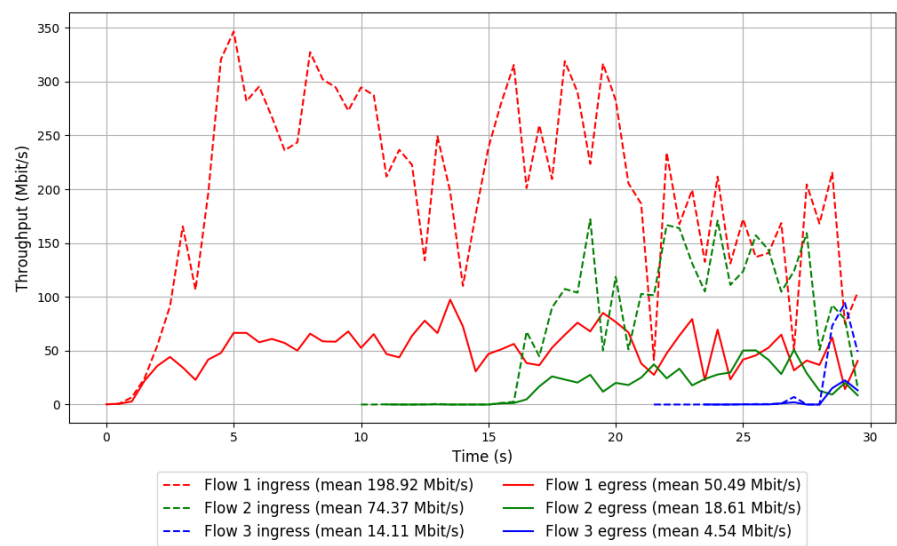
-- Flow 3:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 85.112 ms

Loss rate: 75.86%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 09 Jul 2017 21:46:02 +0000

End at: Sun, 09 Jul 2017 21:46:32 +0000

Local clock offset: -0.156 ms

Remote clock offset: -3.623 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.95 Mbit/s

95th percentile per-packet one-way delay: 82.583 ms

Loss rate: 77.56%

-- Flow 1:

Average throughput: 43.55 Mbit/s

95th percentile per-packet one-way delay: 82.528 ms

Loss rate: 77.60%

-- Flow 2:

Average throughput: 0.21 Mbit/s

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

Loss rate: 58.40%

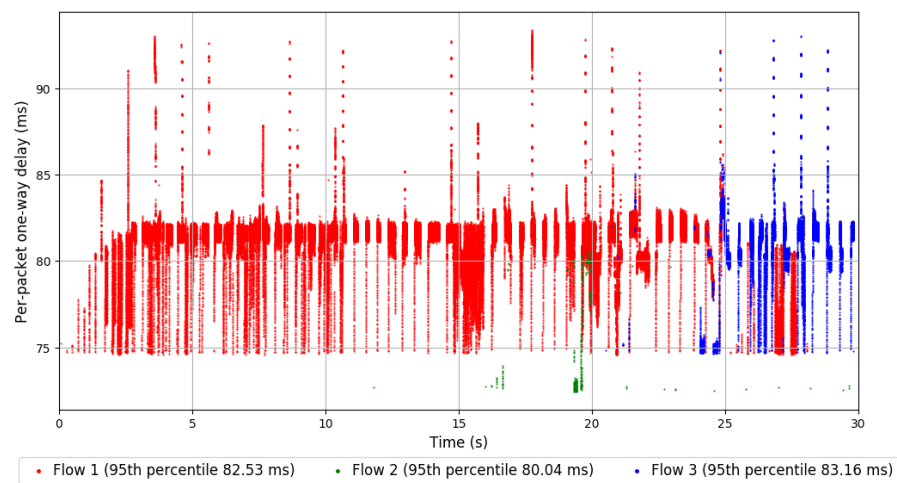
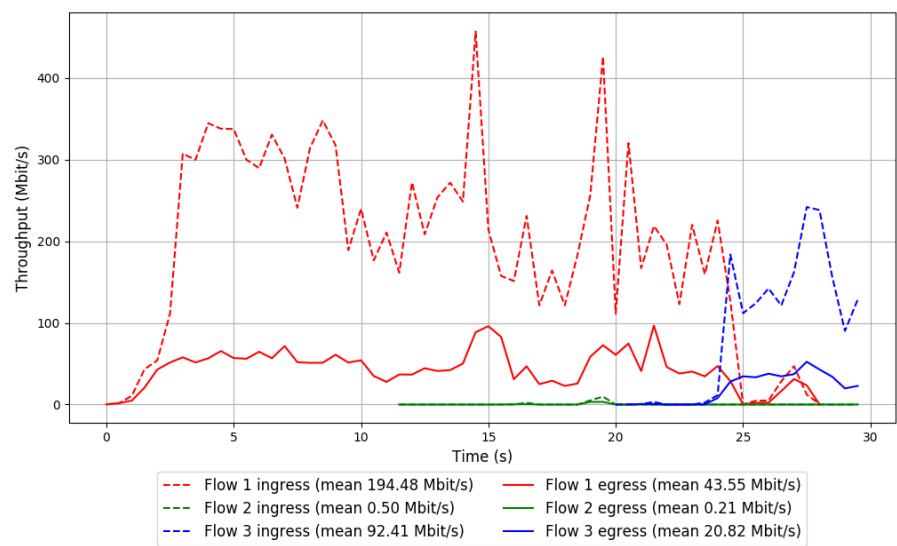
-- Flow 3:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 83.156 ms

Loss rate: 77.47%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:05:45 +0000

End at: Sun, 09 Jul 2017 22:06:15 +0000

Local clock offset: 1.134 ms

Remote clock offset: -3.116 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.40 Mbit/s

95th percentile per-packet one-way delay: 82.115 ms

Loss rate: 76.03%

-- Flow 1:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 82.188 ms

Loss rate: 76.64%

-- Flow 2:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 80.414 ms

Loss rate: 57.25%

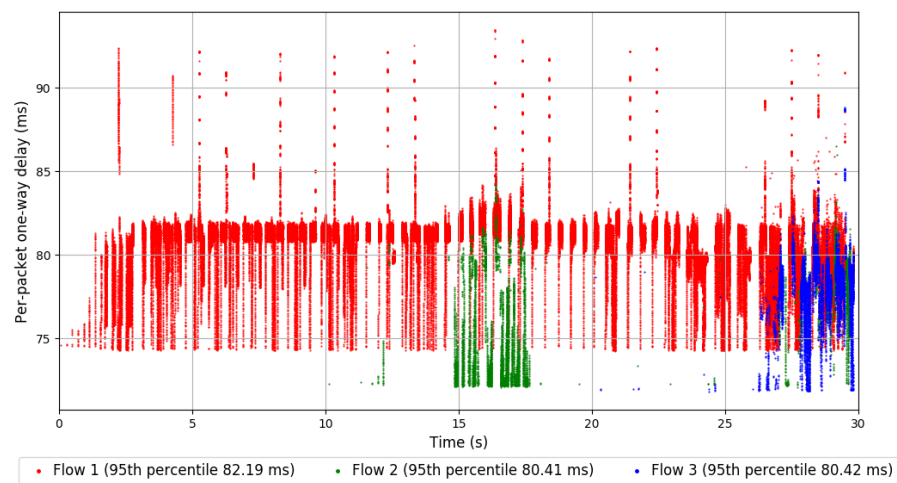
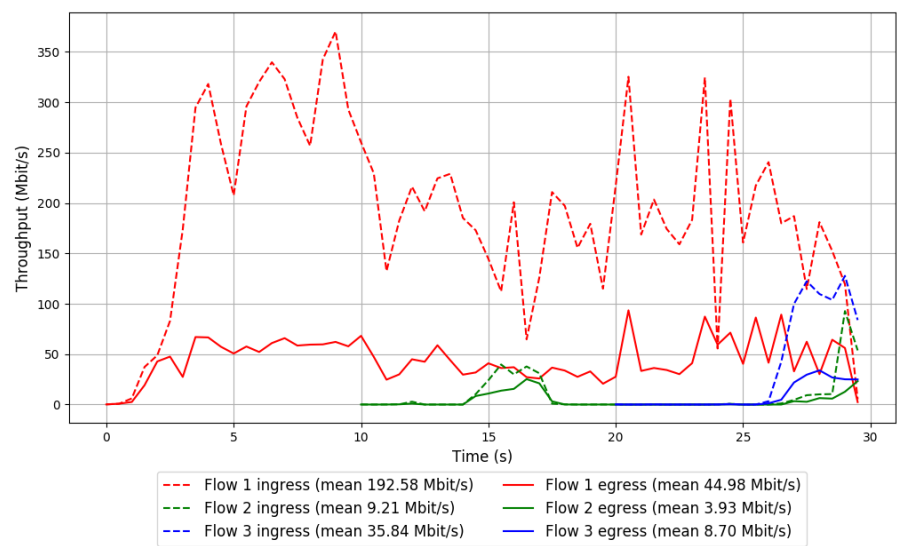
-- Flow 3:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 80.418 ms

Loss rate: 75.71%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:25:27 +0000

End at: Sun, 09 Jul 2017 22:25:57 +0000

Local clock offset: -0.152 ms

Remote clock offset: -2.79 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.77 Mbit/s

95th percentile per-packet one-way delay: 81.209 ms

Loss rate: 66.71%

-- Flow 1:

Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 81.253 ms

Loss rate: 68.99%

-- Flow 2:

Average throughput: 5.57 Mbit/s

95th percentile per-packet one-way delay: 78.100 ms

Loss rate: 40.99%

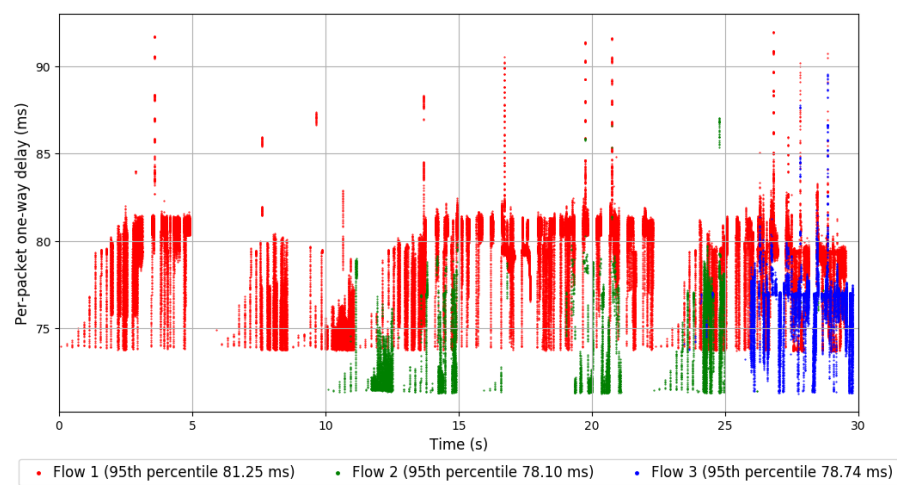
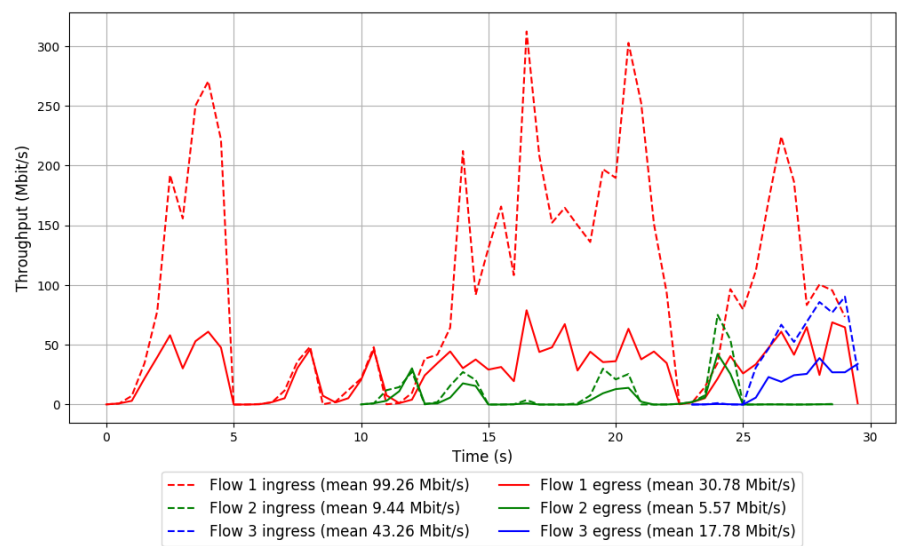
-- Flow 3:

Average throughput: 17.78 Mbit/s

95th percentile per-packet one-way delay: 78.740 ms

Loss rate: 58.88%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 09 Jul 2017 22:45:14 +0000

End at: Sun, 09 Jul 2017 22:45:44 +0000

Local clock offset: -0.094 ms

Remote clock offset: -2.171 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.64 Mbit/s

95th percentile per-packet one-way delay: 78.981 ms

Loss rate: 74.52%

-- Flow 1:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 78.780 ms

Loss rate: 75.47%

-- Flow 2:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 79.872 ms

Loss rate: 65.25%

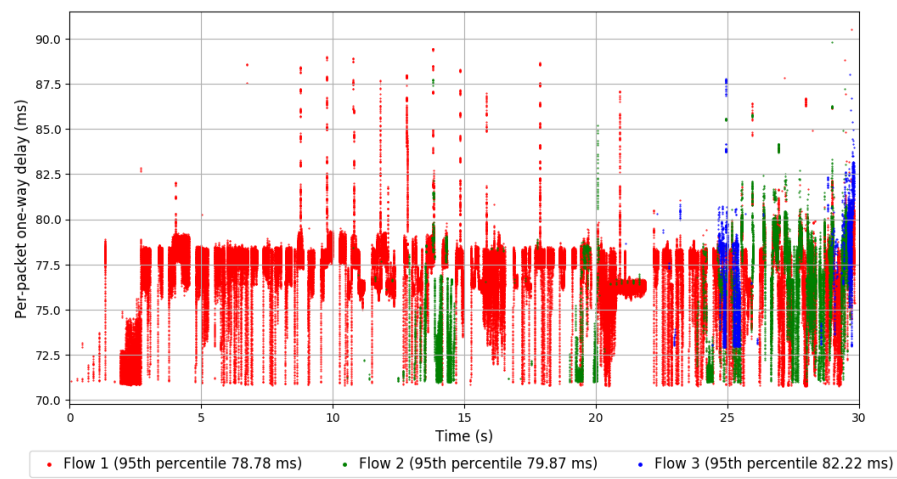
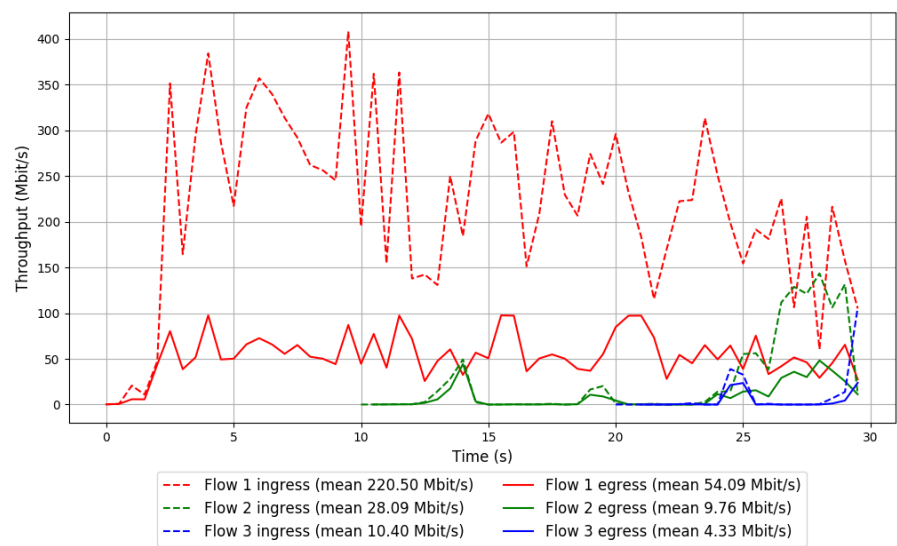
-- Flow 3:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 82.225 ms

Loss rate: 62.61%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 09 Jul 2017 23:05:07 +0000

End at: Sun, 09 Jul 2017 23:05:37 +0000

Local clock offset: 1.218 ms

Remote clock offset: -1.632 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.23 Mbit/s

95th percentile per-packet one-way delay: 80.694 ms

Loss rate: 70.11%

-- Flow 1:

Average throughput: 41.34 Mbit/s

95th percentile per-packet one-way delay: 80.466 ms

Loss rate: 71.89%

-- Flow 2:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 81.018 ms

Loss rate: 64.59%

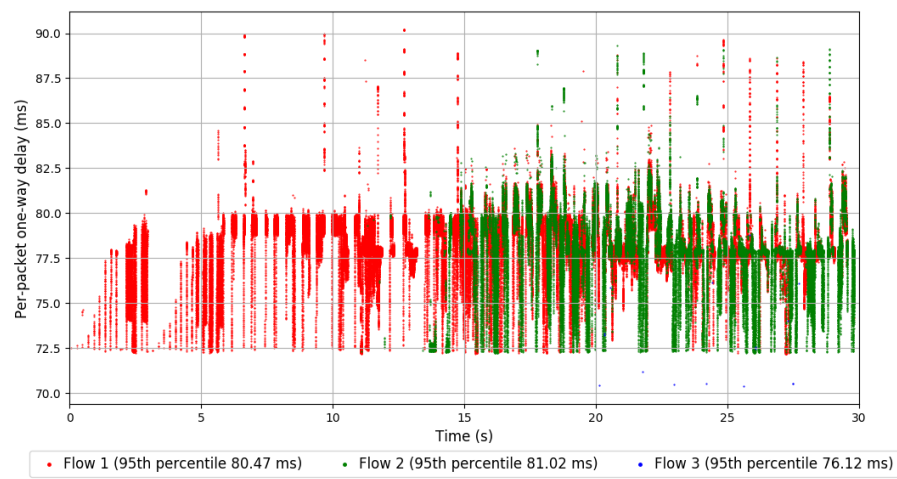
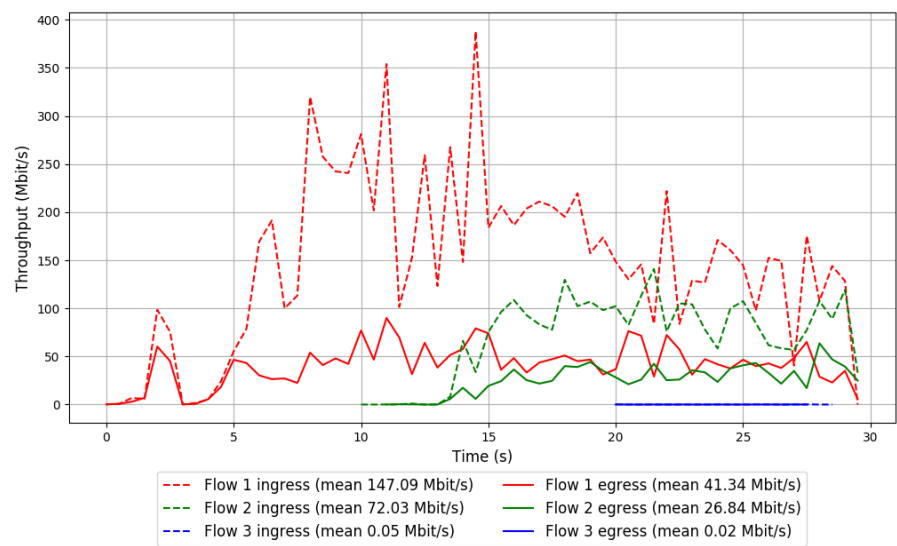
-- Flow 3:

Average throughput: 0.02 Mbit/s

95th percentile per-packet one-way delay: 76.122 ms

Loss rate: 60.98%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:10:14 +0000

End at: Sun, 09 Jul 2017 20:10:44 +0000

Local clock offset: -0.504 ms

Remote clock offset: -4.823 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 74.196 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 74.015 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 74.196 ms

Loss rate: 0.00%

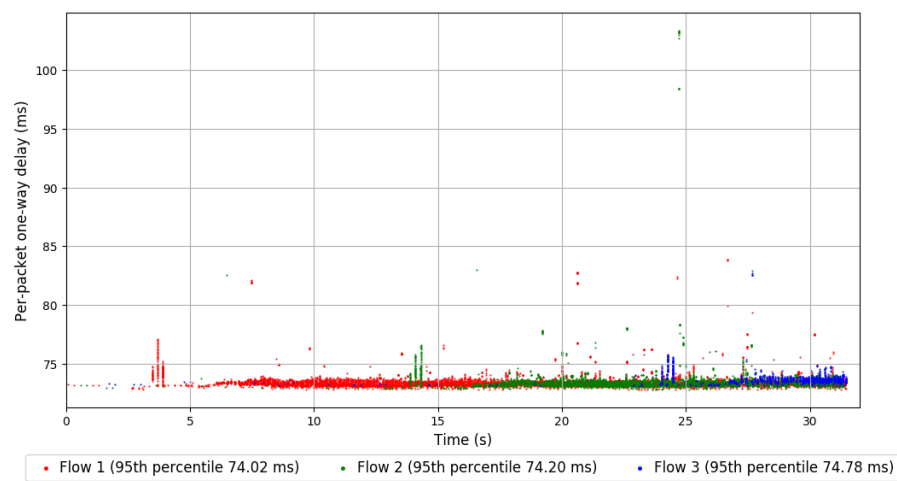
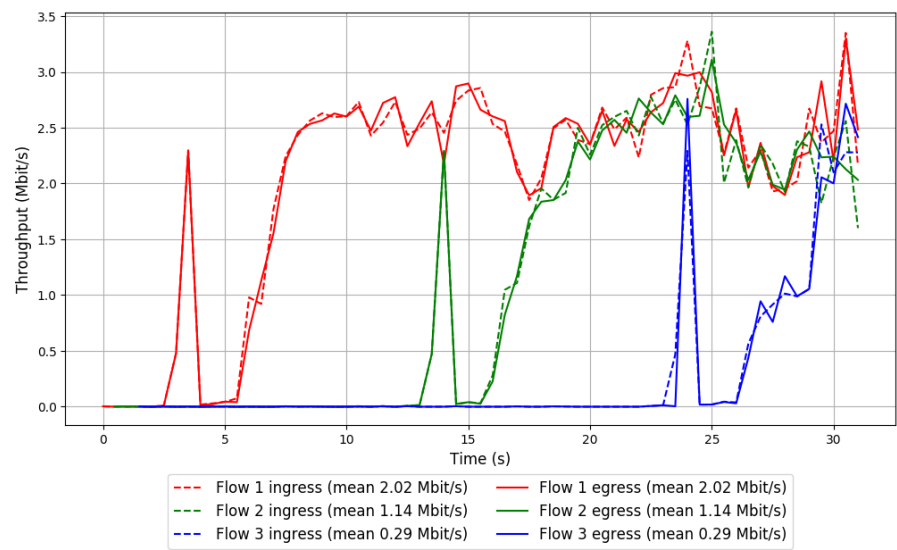
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 74.785 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:29:56 +0000

End at: Sun, 09 Jul 2017 20:30:26 +0000

Local clock offset: 0.541 ms

Remote clock offset: -4.838 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 76.739 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 76.519 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 77.058 ms

Loss rate: 0.00%

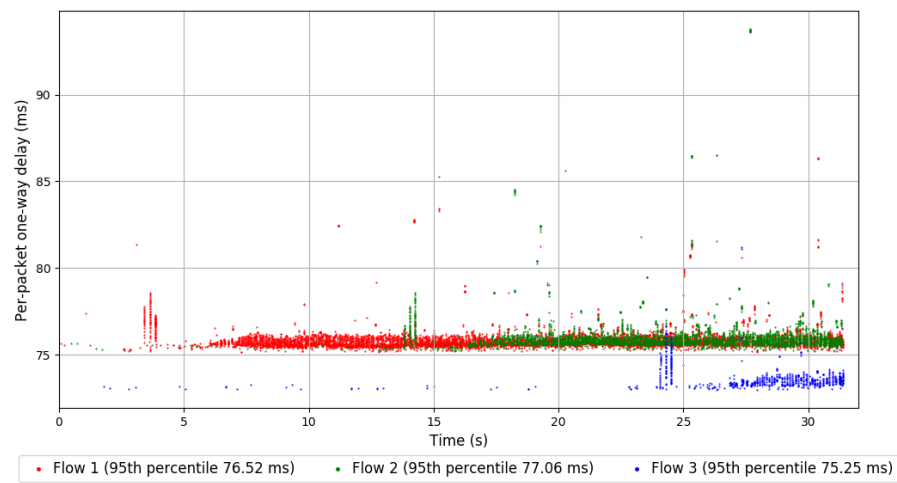
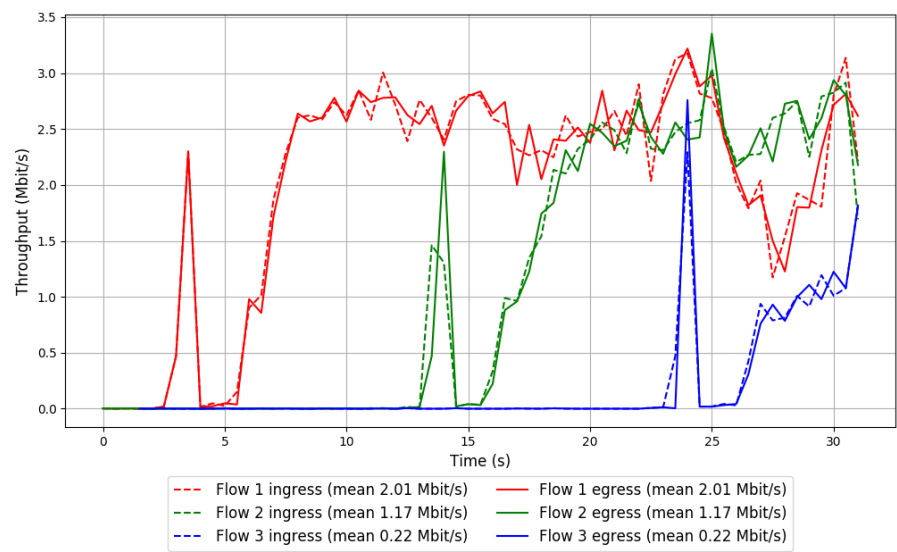
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.253 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 20:49:42 +0000

End at: Sun, 09 Jul 2017 20:50:12 +0000

Local clock offset: -0.457 ms

Remote clock offset: -5.155 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 76.741 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 76.799 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 75.708 ms

Loss rate: 0.00%

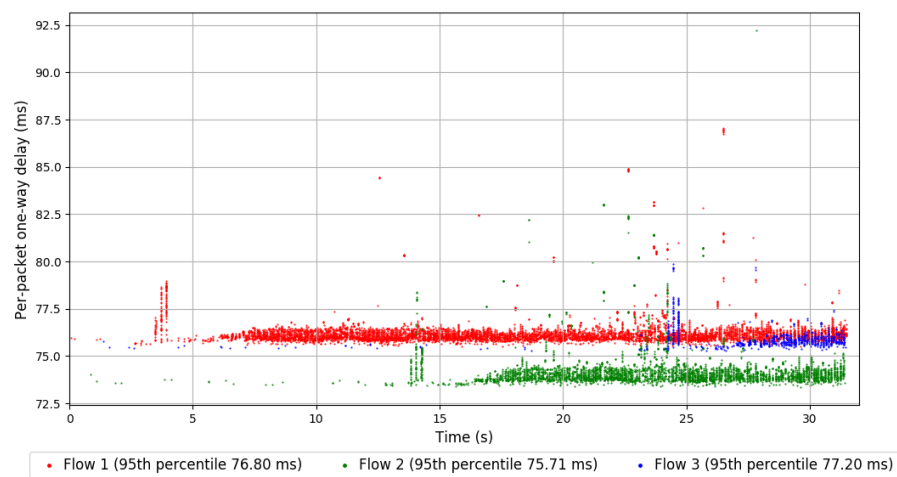
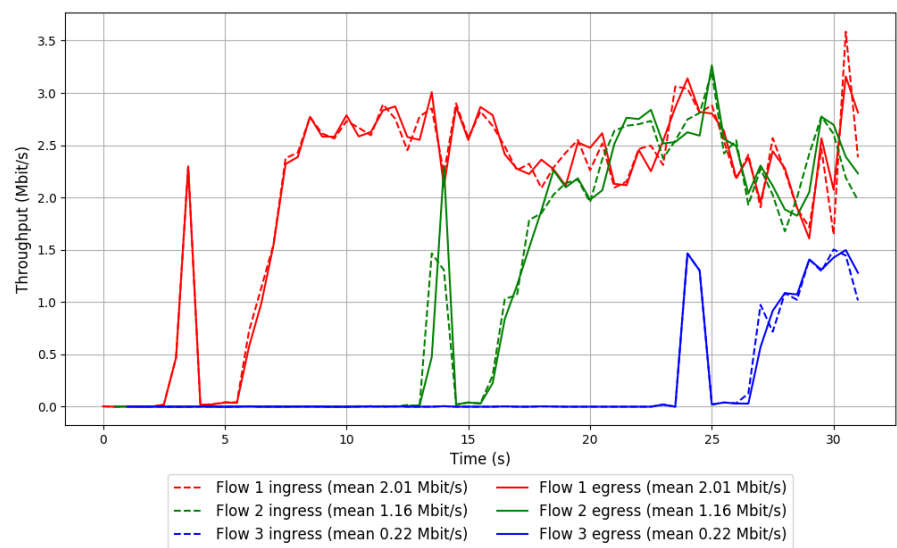
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 77.198 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

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

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

Local clock offset: 0.858 ms

Remote clock offset: -4.562 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 76.318 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 75.996 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 76.541 ms

Loss rate: 0.00%

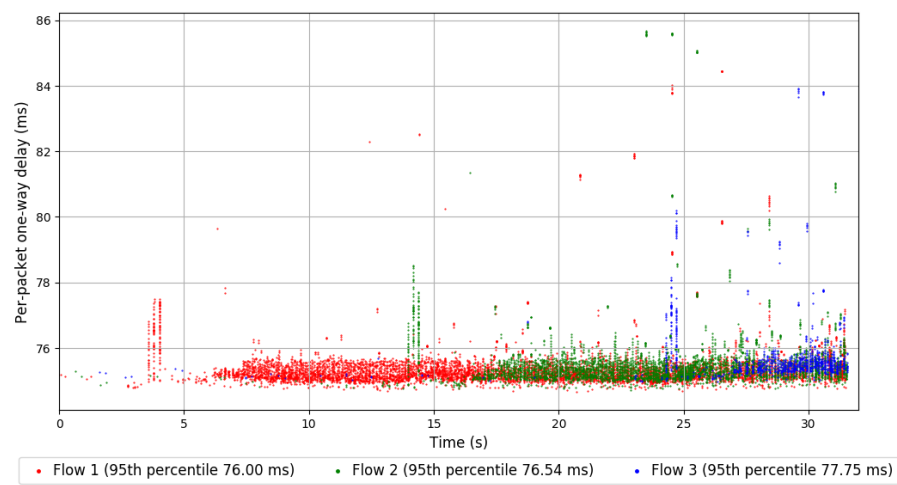
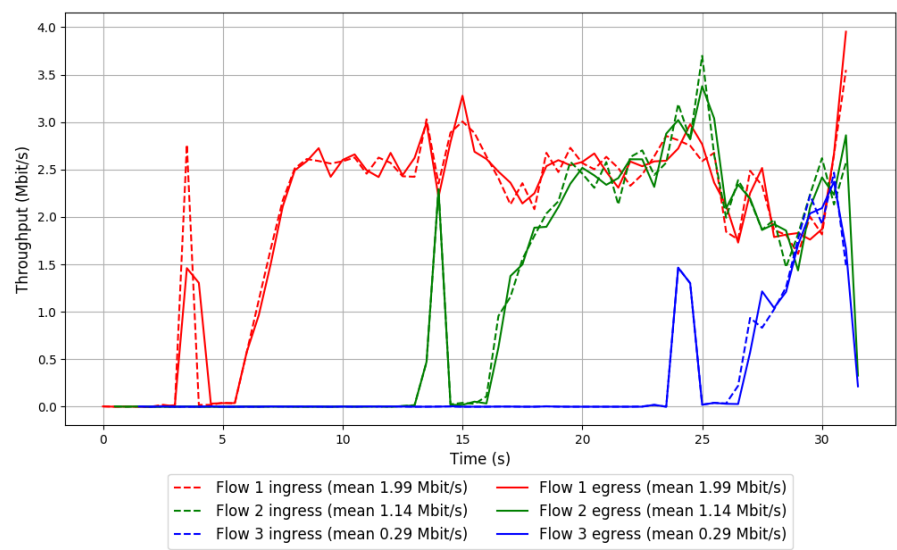
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 77.749 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:29:01 +0000

End at: Sun, 09 Jul 2017 21:29:31 +0000

Local clock offset: -0.123 ms

Remote clock offset: -3.997 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 75.951 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 73.655 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 76.569 ms

Loss rate: 0.00%

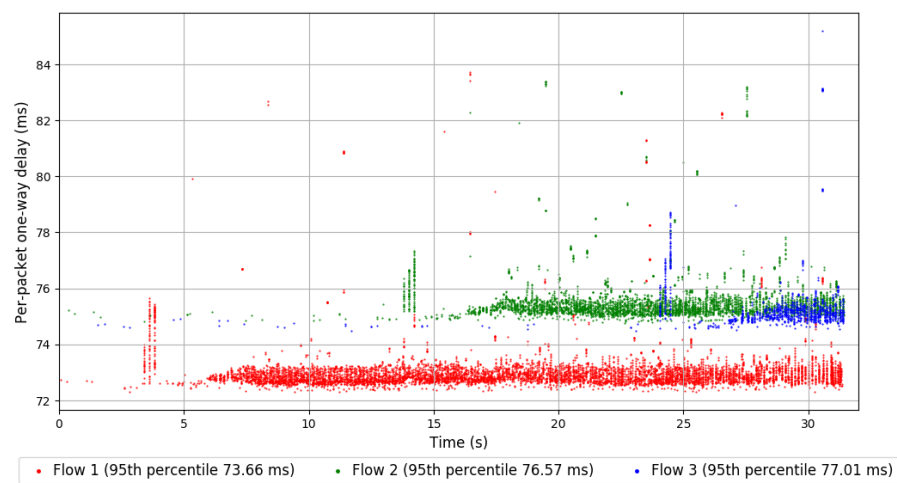
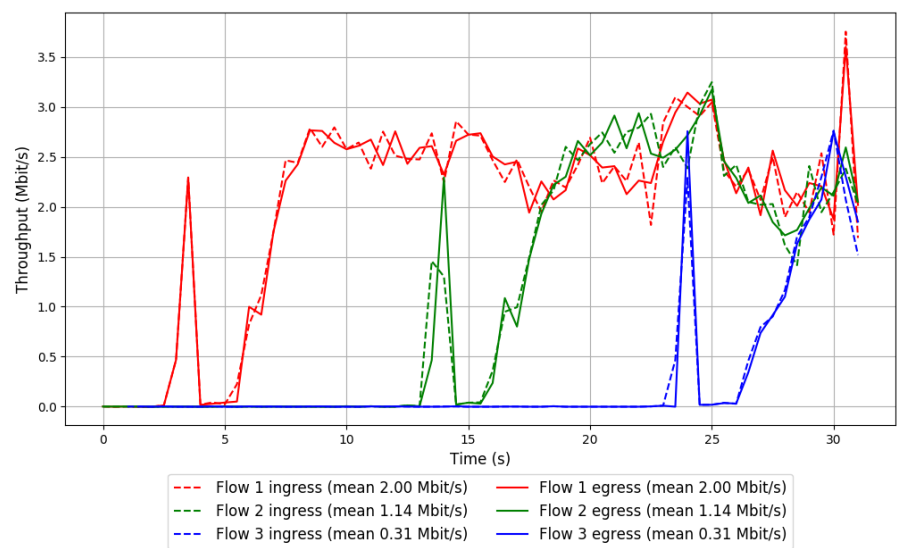
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 77.010 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 21:48:41 +0000

End at: Sun, 09 Jul 2017 21:49:11 +0000

Local clock offset: 1.048 ms

Remote clock offset: -3.562 ms

Below is generated by plot.py at Mon, 10 Jul 2017 02:59:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 75.349 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 73.318 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 76.055 ms

Loss rate: 0.00%

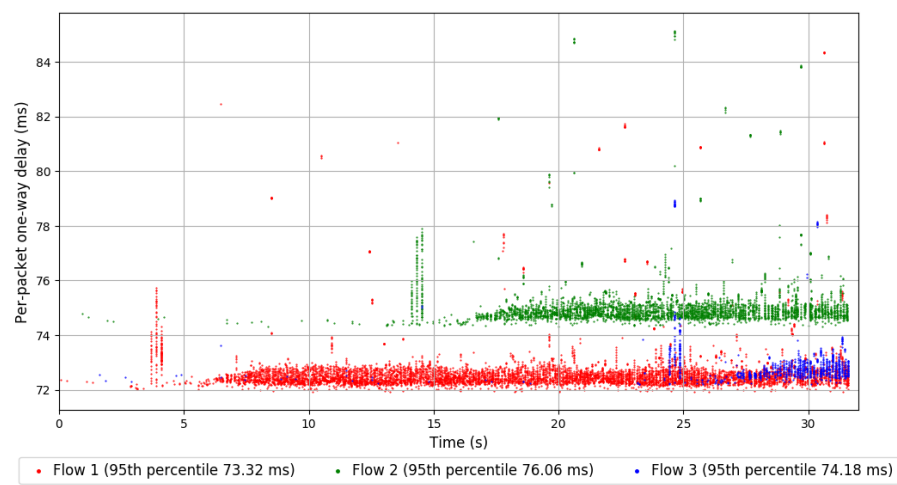
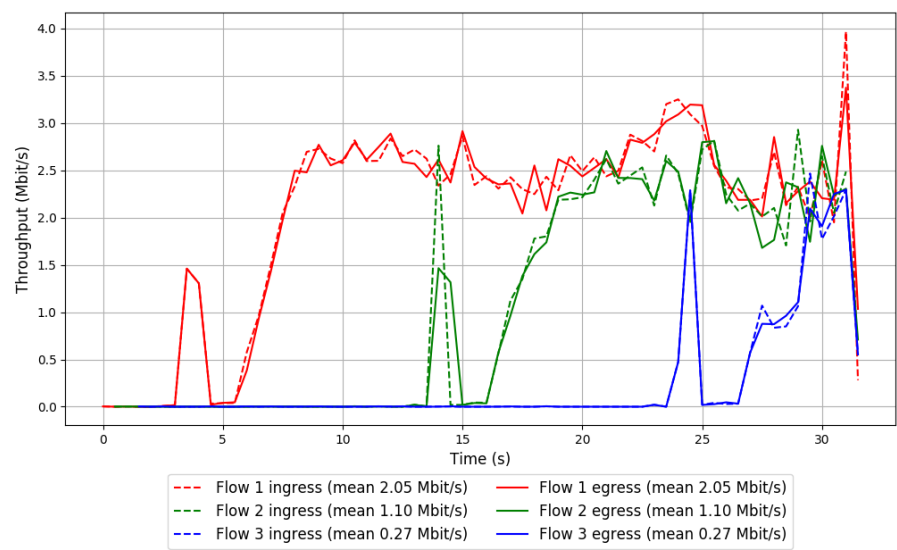
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 74.176 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:08:24 +0000

End at: Sun, 09 Jul 2017 22:08:54 +0000

Local clock offset: -0.089 ms

Remote clock offset: -3.103 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.33 Mbit/s

95th percentile per-packet one-way delay: 75.317 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 75.314 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 75.436 ms

Loss rate: 0.00%

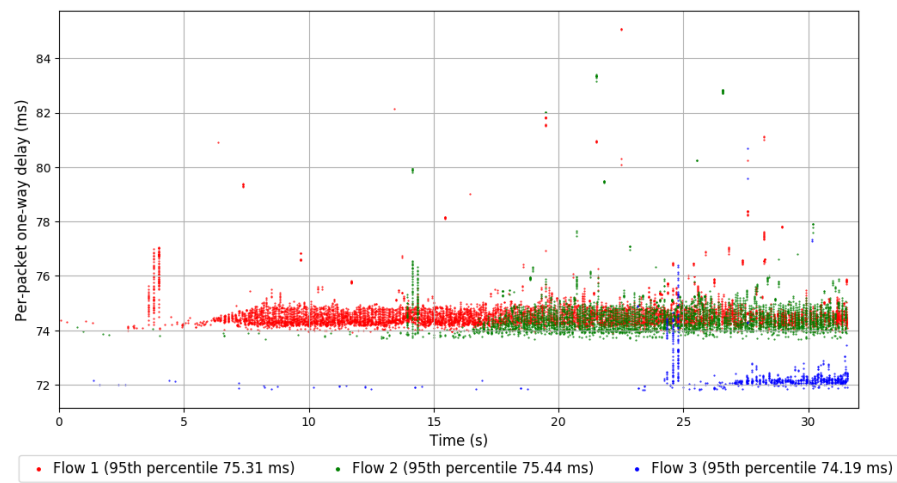
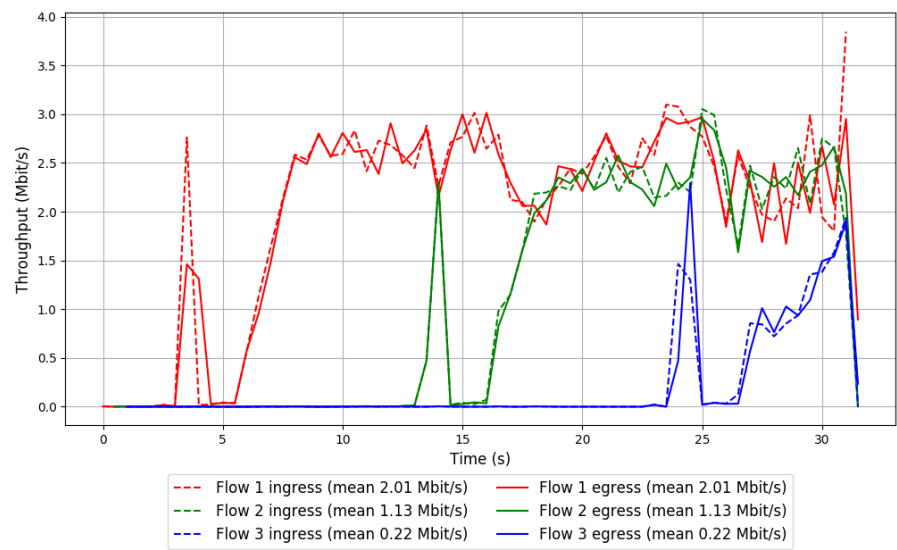
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.189 ms

Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:28:04 +0000

End at: Sun, 09 Jul 2017 22:28:34 +0000

Local clock offset: 0.975 ms

Remote clock offset: -2.666 ms

Below is generated by plot.py at Mon, 10 Jul 2017 03:00:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 74.867 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 74.694 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 75.102 ms

Loss rate: 0.00%

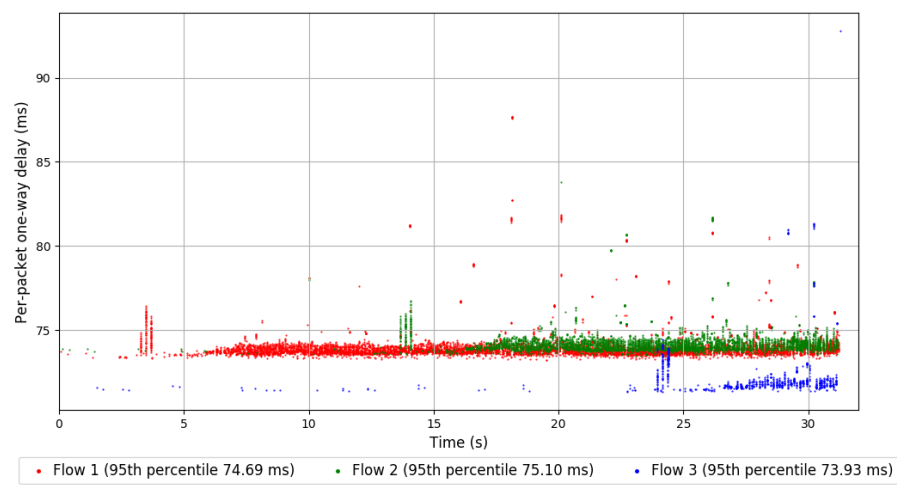
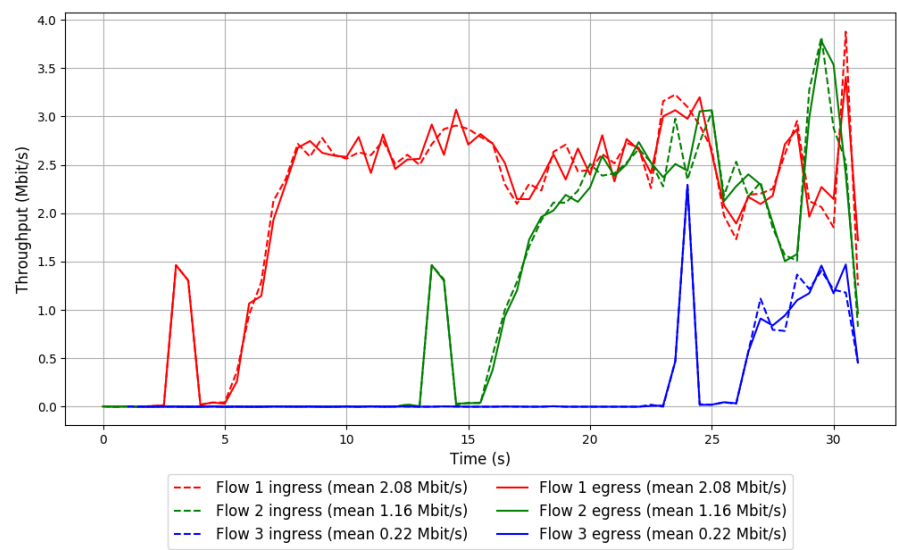
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 73.926 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 22:47:55 +0000

End at: Sun, 09 Jul 2017 22:48:25 +0000

Local clock offset: 1.004 ms

Remote clock offset: -2.154 ms

Below is generated by plot.py at Mon, 10 Jul 2017 03:00:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 73.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 72.052 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 74.540 ms

Loss rate: 0.00%

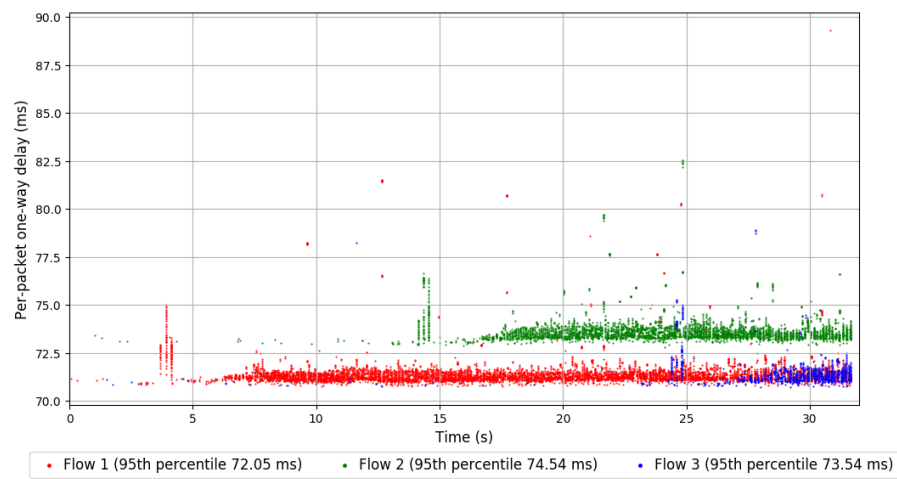
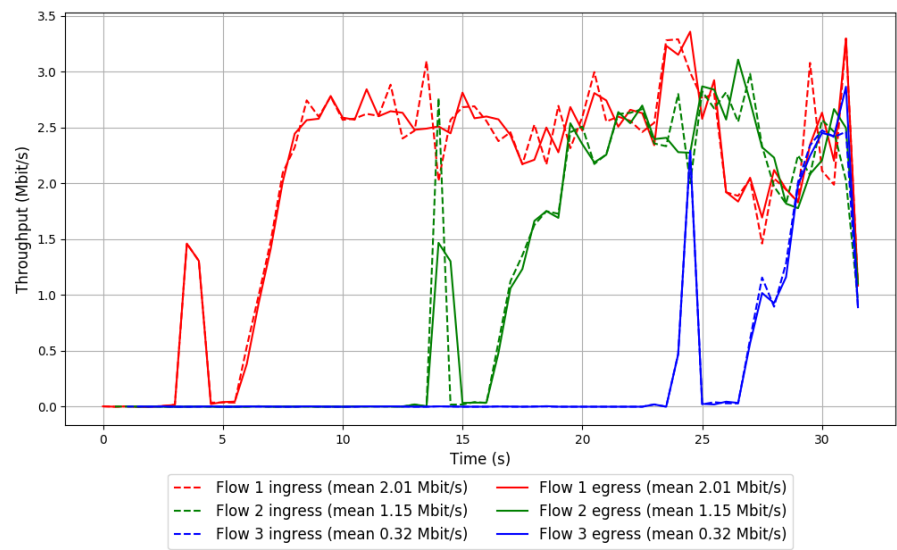
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 73.536 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 23:07:54 +0000

End at: Sun, 09 Jul 2017 23:08:24 +0000

Local clock offset: -0.338 ms

Remote clock offset: -1.545 ms

Below is generated by plot.py at Mon, 10 Jul 2017 03:00:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 73.433 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 73.519 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 71.563 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 76.353 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

