

Pantheon Summary (Generated at Sat, 29 Jul 2017 11:43:11 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)

Repeated the test of 15 congestion control schemes 10 times.

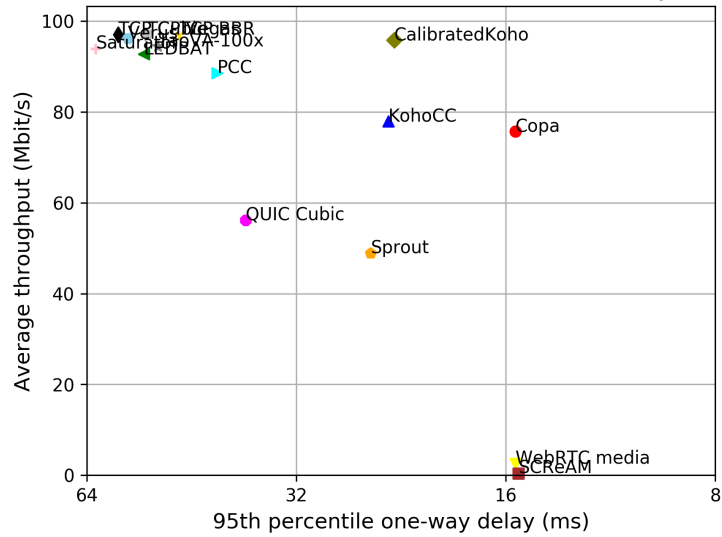
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).

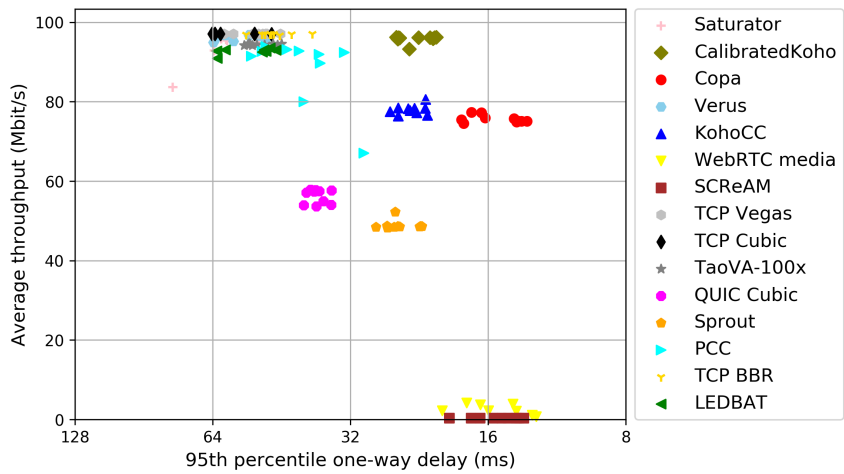
NTP offset measured against nets.org.sg and has been applied to correct the timestamps in logs.

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
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 @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.34	40.73	31.71	43.29	46.72	53.65	0.10	0.20	0.52
CalibratedKoho	10	50.84	47.61	39.77	22.70	23.58	23.31	0.03	0.10	0.31
Copa	10	40.40	36.60	32.67	15.40	15.55	15.77	0.06	0.11	0.25
TCP Cubic	10	59.49	40.49	32.01	53.14	53.23	53.40	0.21	0.46	1.31
KohoCC	10	40.46	39.69	33.29	22.95	22.60	23.62	0.07	0.12	0.28
LEDBAT	10	56.23	37.36	34.90	52.92	53.11	45.78	0.17	0.32	0.62
PCC	10	59.78	36.67	25.24	399.33	41.37	36.54	0.06	0.19	0.36
QUIC Cubic	10	0.24	61.08	47.39	15.56	37.55	38.22	0.00	0.20	0.40
Saturator	10	55.99	41.46	31.01	56.48	53.76	54.81	0.13	0.28	0.79
SCReAM	10	0.21	0.21	0.22	15.35	15.33	15.36	0.05	0.14	0.07
Sprout	10	24.41	24.31	24.01	24.50	25.10	25.44	0.11	0.16	0.26
TaoVA-100x	10	57.46	39.69	31.71	47.01	47.69	47.98	0.10	0.20	0.55
TCP Vegas	10	60.41	42.15	30.54	51.36	44.19	47.00	0.10	0.14	0.57
Verus	10	57.84	40.64	34.58	53.32	53.83	49.57	0.11	0.21	0.63
WebRTC media	10	0.80	1.39	0.71	16.06	15.43	15.83	0.02	0.10	0.34

Run 1: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 07:48:05 +0000

End at: Sat, 29 Jul 2017 07:48:35 +0000

Local clock offset: 0.691 ms

Remote clock offset: -2.645 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:29:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 38.773 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 35.921 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.81 Mbit/s

95th percentile per-packet one-way delay: 39.980 ms

Loss rate: 0.16%

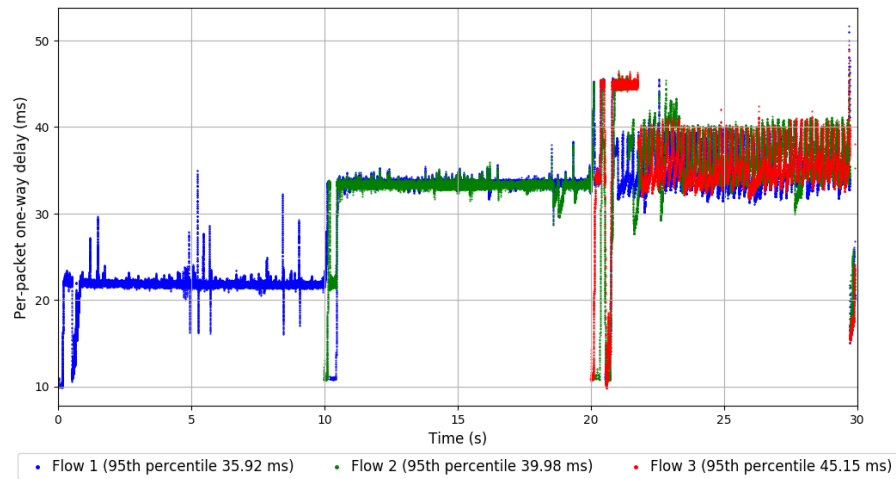
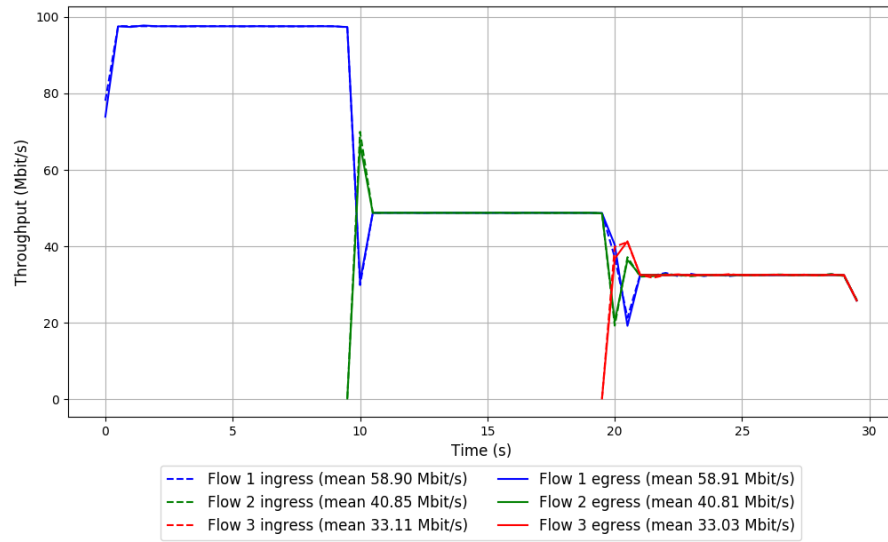
-- Flow 3:

Average throughput: 33.03 Mbit/s

95th percentile per-packet one-way delay: 45.145 ms

Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 08:07:08 +0000

End at: Sat, 29 Jul 2017 08:07:38 +0000

Local clock offset: 2.895 ms

Remote clock offset: -4.039 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:29:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 49.217 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 49.075 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 48.45 Mbit/s

95th percentile per-packet one-way delay: 38.986 ms

Loss rate: 0.25%

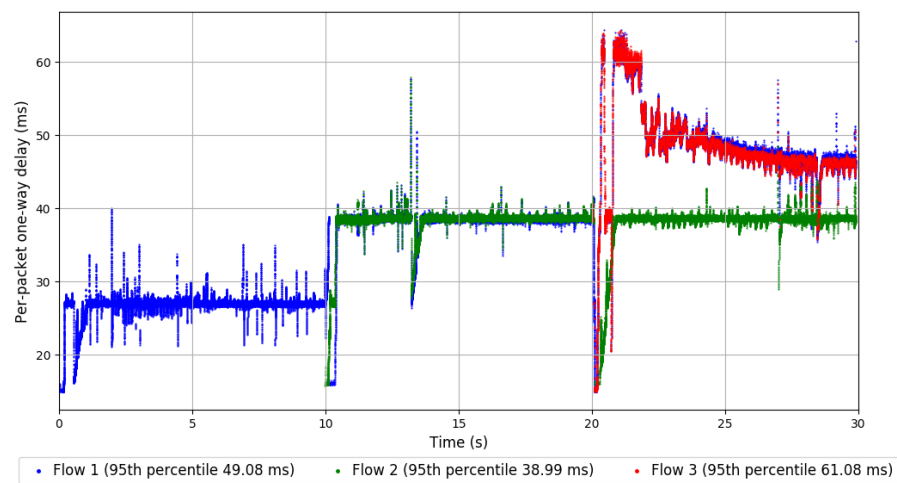
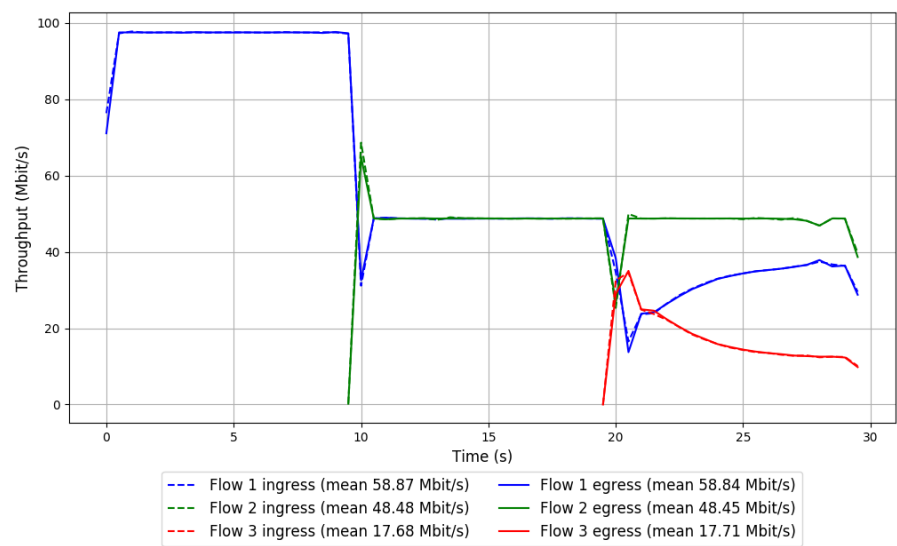
-- Flow 3:

Average throughput: 17.71 Mbit/s

95th percentile per-packet one-way delay: 61.077 ms

Loss rate: 0.41%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 08:26:17 +0000

End at: Sat, 29 Jul 2017 08:26:47 +0000

Local clock offset: 4.023 ms

Remote clock offset: -5.819 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:29:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 54.106 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 64.01 Mbit/s

95th percentile per-packet one-way delay: 42.608 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 58.957 ms

Loss rate: 0.13%

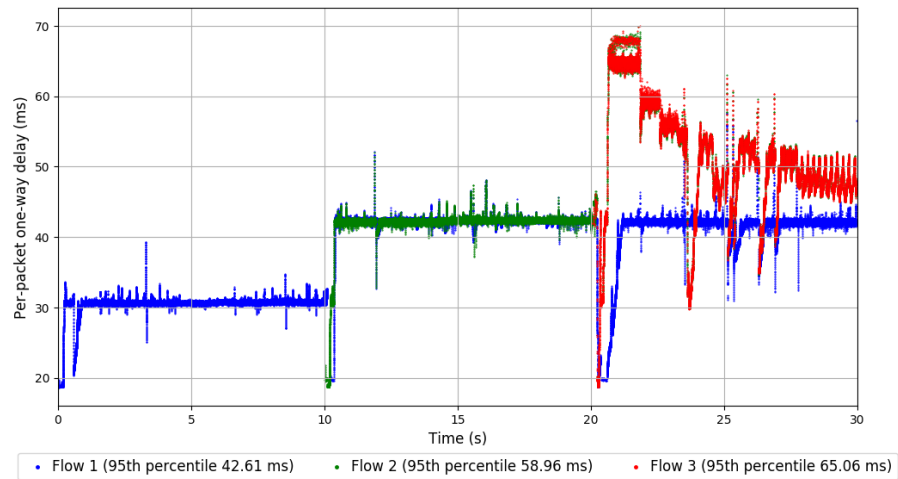
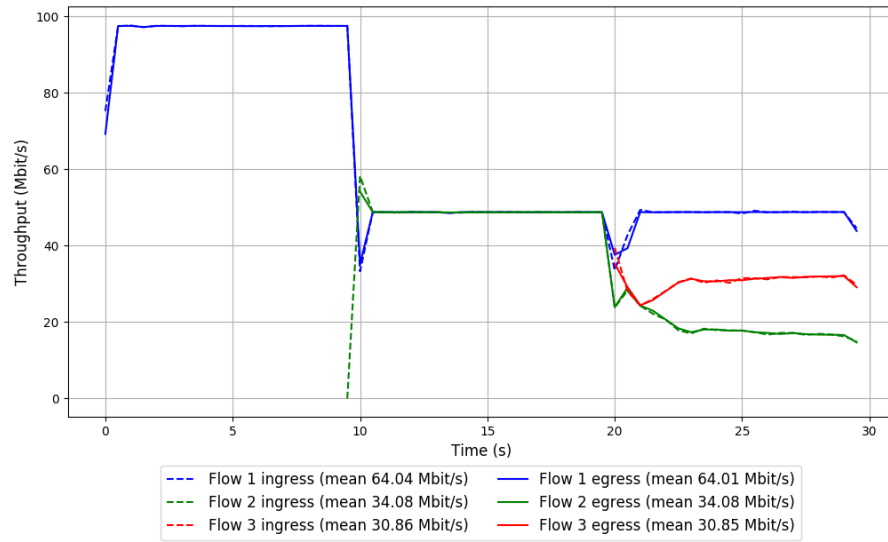
-- Flow 3:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 65.062 ms

Loss rate: 0.59%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 08:45:43 +0000

End at: Sat, 29 Jul 2017 08:46:13 +0000

Local clock offset: 3.293 ms

Remote clock offset: -5.475 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:29:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 50.000 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 46.472 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.77 Mbit/s

95th percentile per-packet one-way delay: 51.299 ms

Loss rate: 0.23%

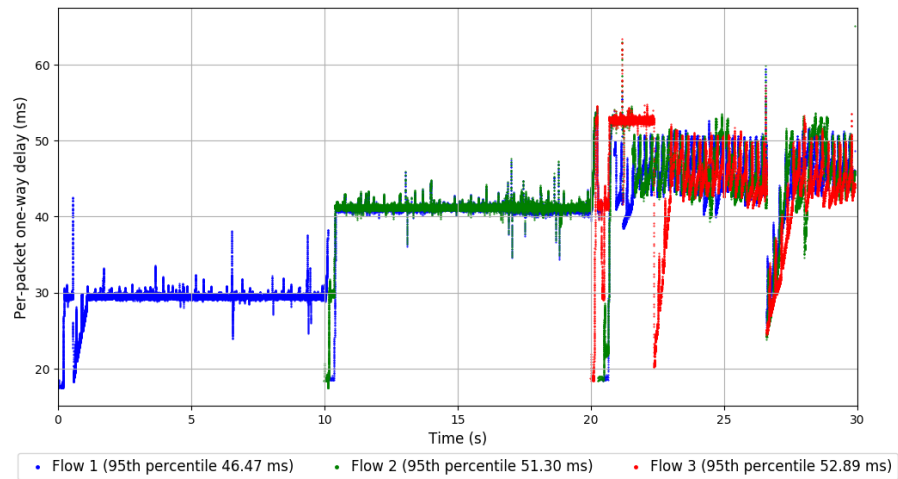
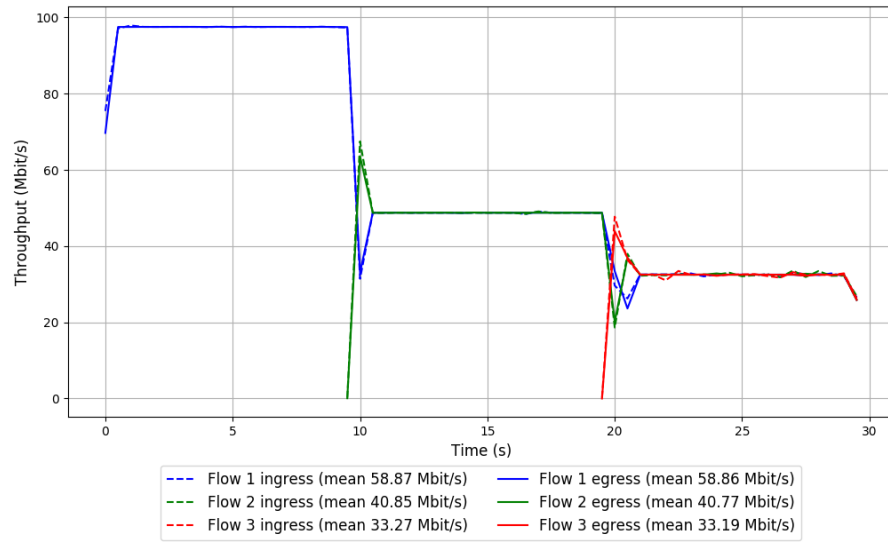
-- Flow 3:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 52.887 ms

Loss rate: 0.54%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 09:05:00 +0000

End at: Sat, 29 Jul 2017 09:05:30 +0000

Local clock offset: 0.565 ms

Remote clock offset: -3.088 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 47.664 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 64.08 Mbit/s

95th percentile per-packet one-way delay: 35.738 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.59 Mbit/s

95th percentile per-packet one-way delay: 52.269 ms

Loss rate: 0.16%

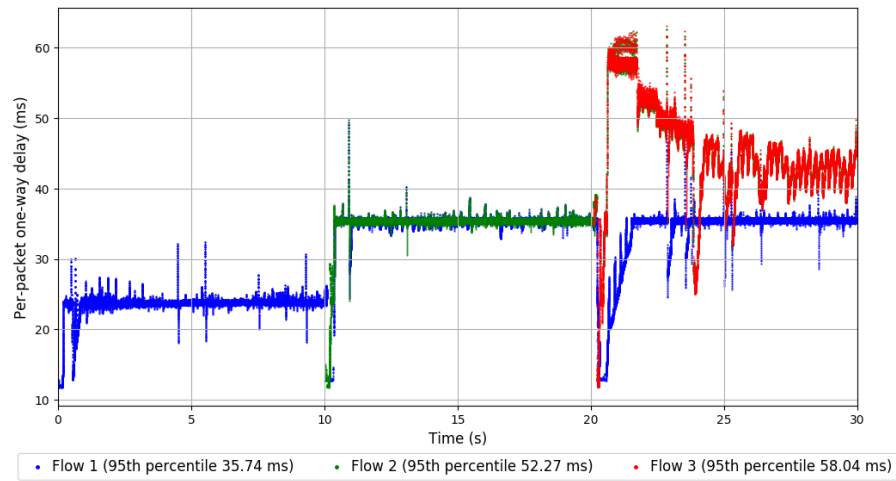
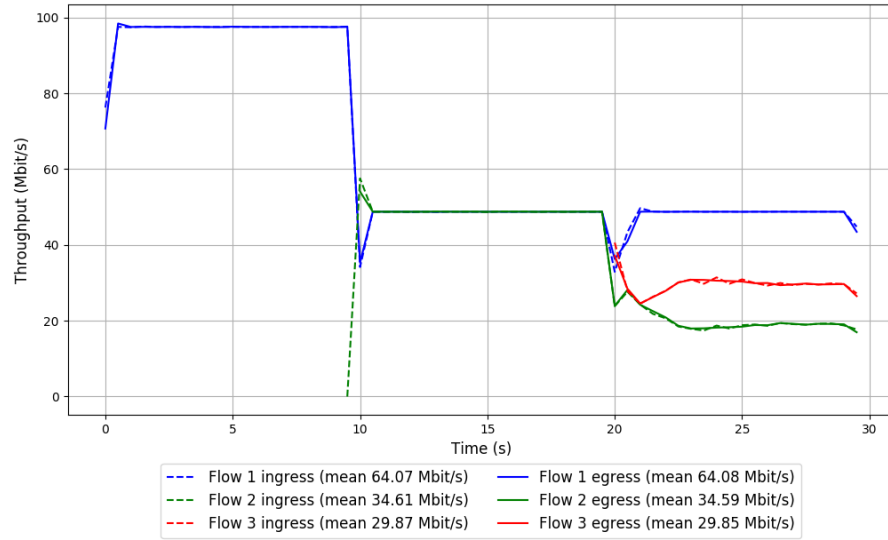
-- Flow 3:

Average throughput: 29.85 Mbit/s

95th percentile per-packet one-way delay: 58.039 ms

Loss rate: 0.57%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 09:24:06 +0000

End at: Sat, 29 Jul 2017 09:24:36 +0000

Local clock offset: 3.361 ms

Remote clock offset: -4.169 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 45.660 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 45.025 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 37.84 Mbit/s

95th percentile per-packet one-way delay: 46.929 ms

Loss rate: 0.18%

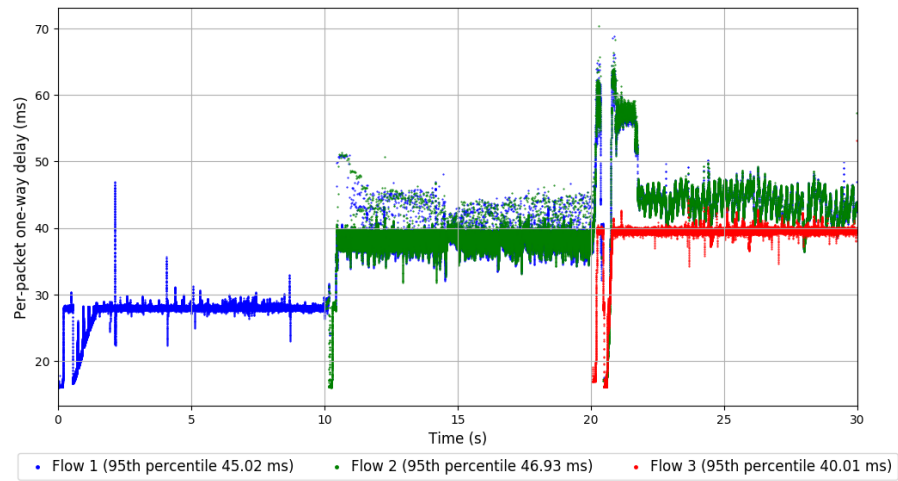
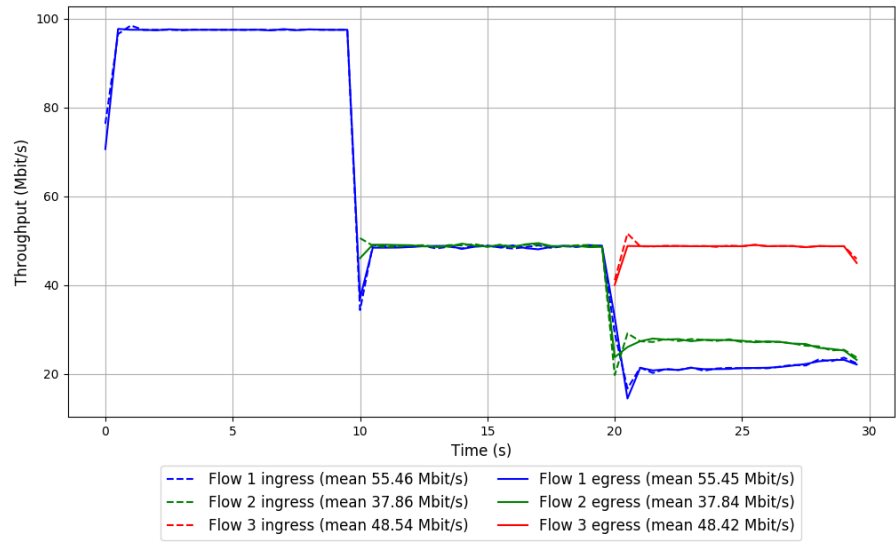
-- Flow 3:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 40.013 ms

Loss rate: 0.49%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 09:43:04 +0000

End at: Sat, 29 Jul 2017 09:43:34 +0000

Local clock offset: 2.9 ms

Remote clock offset: -3.499 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 47.922 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 47.275 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 39.117 ms

Loss rate: 0.25%

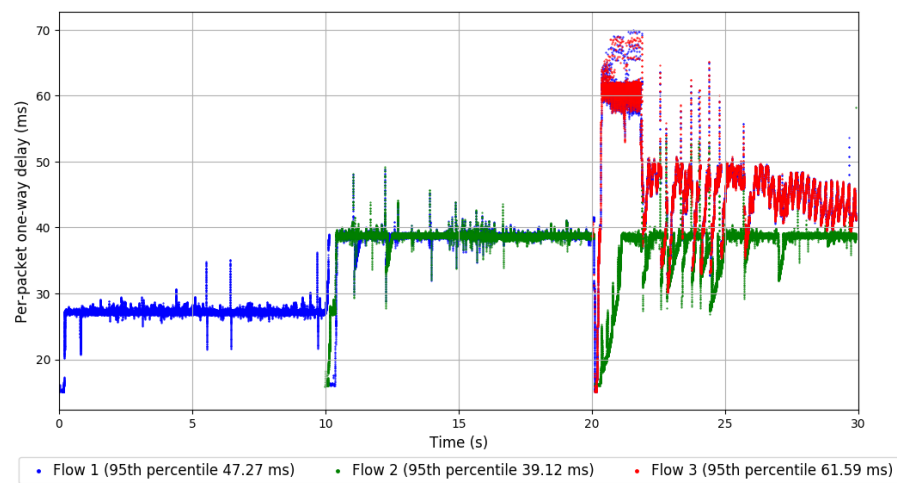
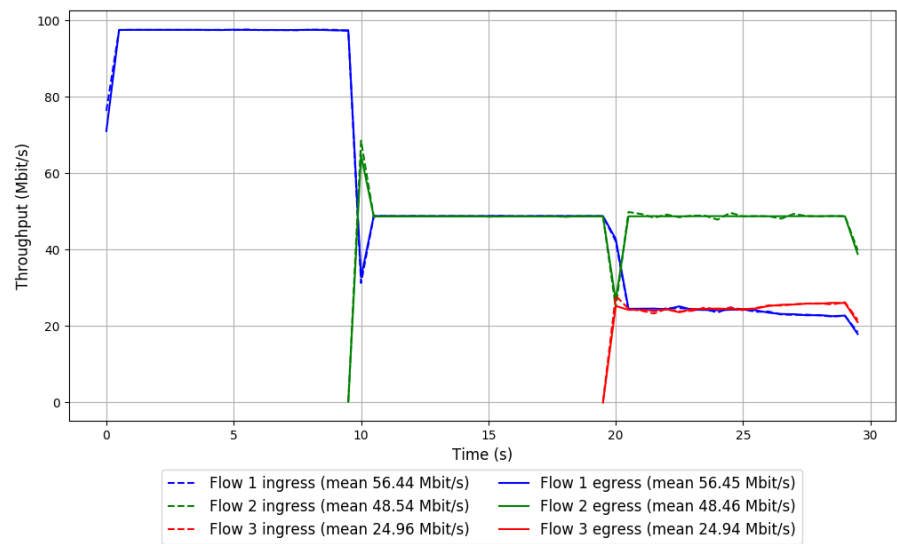
-- Flow 3:

Average throughput: 24.94 Mbit/s

95th percentile per-packet one-way delay: 61.593 ms

Loss rate: 0.57%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 10:01:49 +0000

End at: Sat, 29 Jul 2017 10:02:19 +0000

Local clock offset: 1.043 ms

Remote clock offset: -3.393 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 43.030 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 59.01 Mbit/s

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

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 43.999 ms

Loss rate: 0.20%

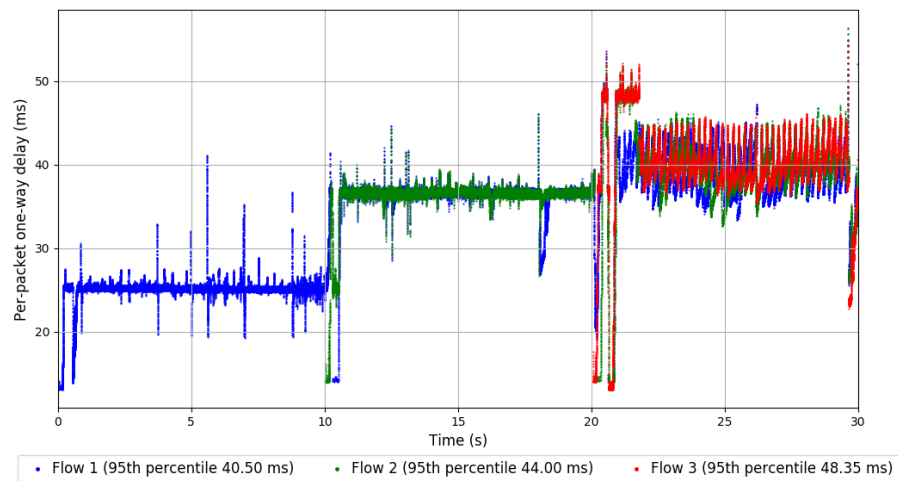
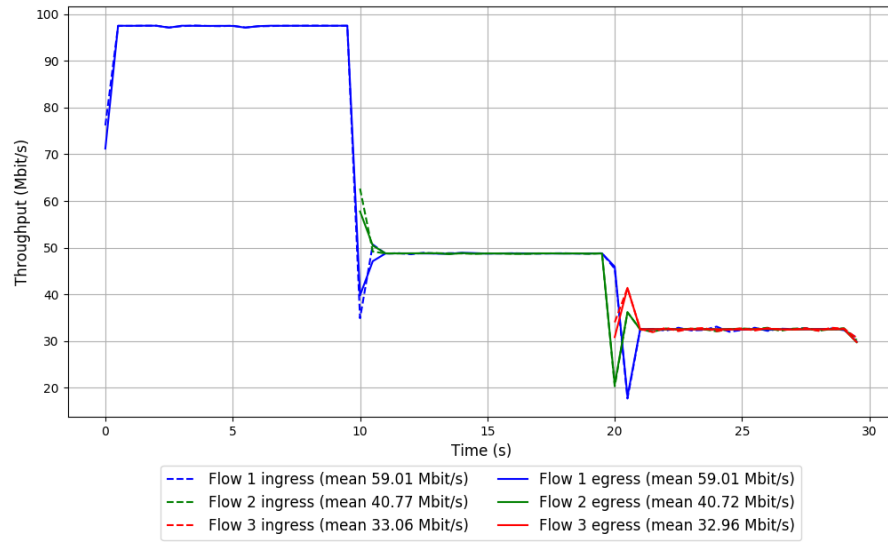
-- Flow 3:

Average throughput: 32.96 Mbit/s

95th percentile per-packet one-way delay: 48.352 ms

Loss rate: 0.57%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 10:20:39 +0000

End at: Sat, 29 Jul 2017 10:21:09 +0000

Local clock offset: 3.267 ms

Remote clock offset: -4.891 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 47.076 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 44.986 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 47.360 ms

Loss rate: 0.22%

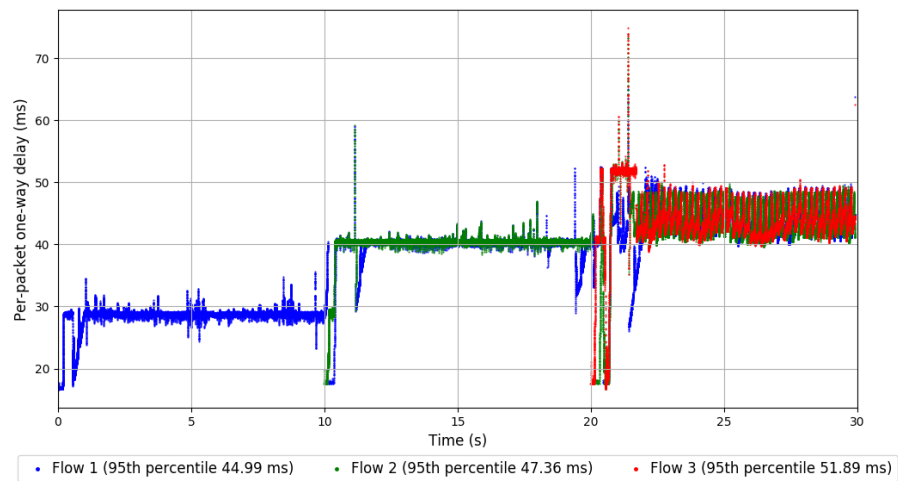
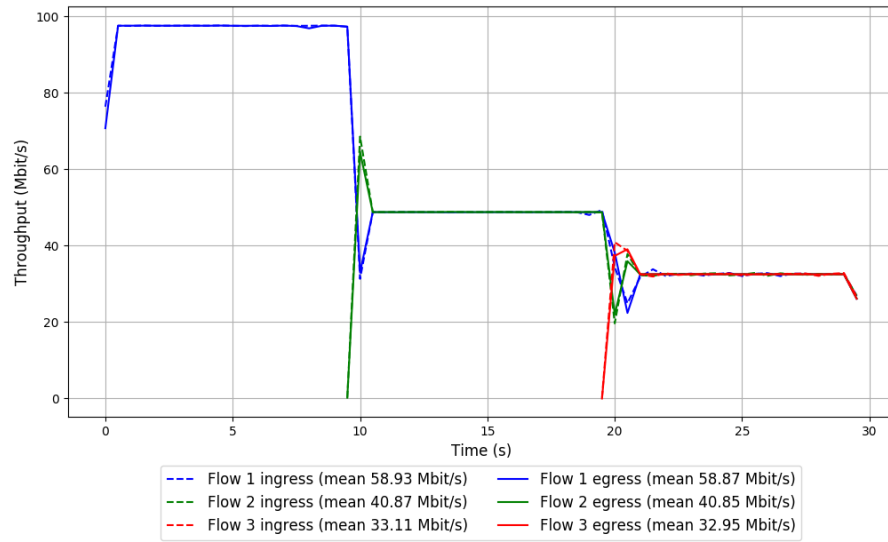
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 51.891 ms

Loss rate: 0.56%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 10:39:35 +0000

End at: Sat, 29 Jul 2017 10:40:05 +0000

Local clock offset: 4.323 ms

Remote clock offset: -4.212 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 47.950 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.95 Mbit/s

95th percentile per-packet one-way delay: 45.345 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 48.274 ms

Loss rate: 0.22%

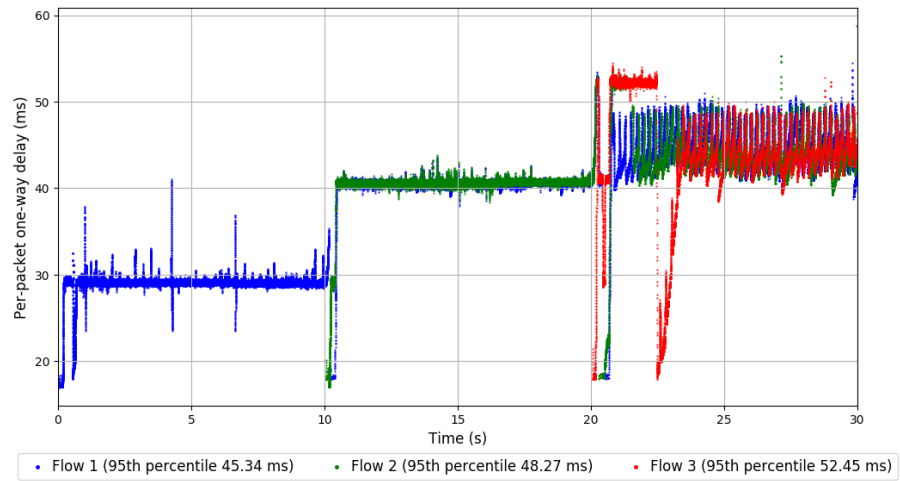
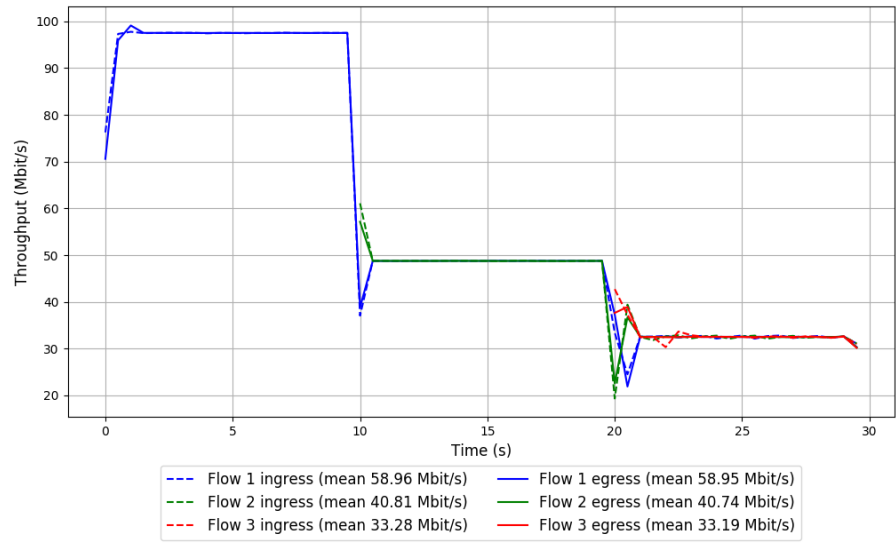
-- Flow 3:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 52.450 ms

Loss rate: 0.55%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:40:21 +0000

End at: Sat, 29 Jul 2017 07:40:51 +0000

Local clock offset: 3.984 ms

Remote clock offset: -2.998 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 22.709 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 21.723 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.46 Mbit/s

95th percentile per-packet one-way delay: 23.636 ms

Loss rate: 0.07%

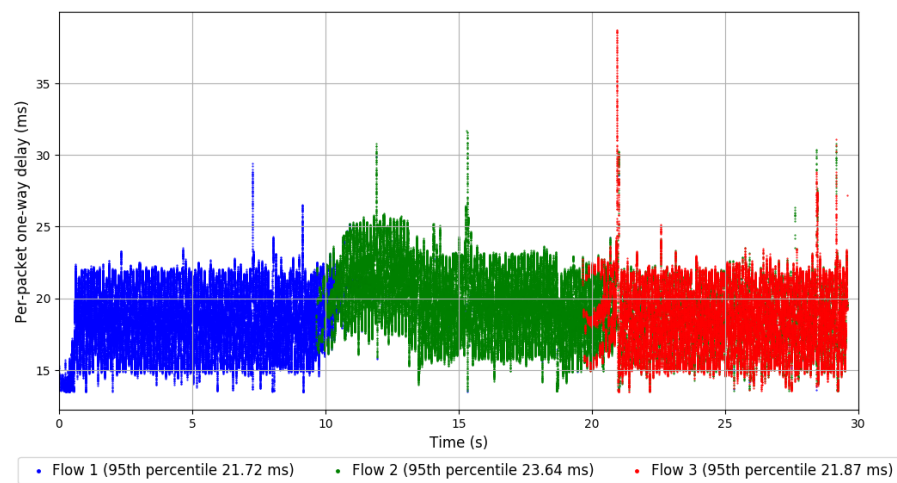
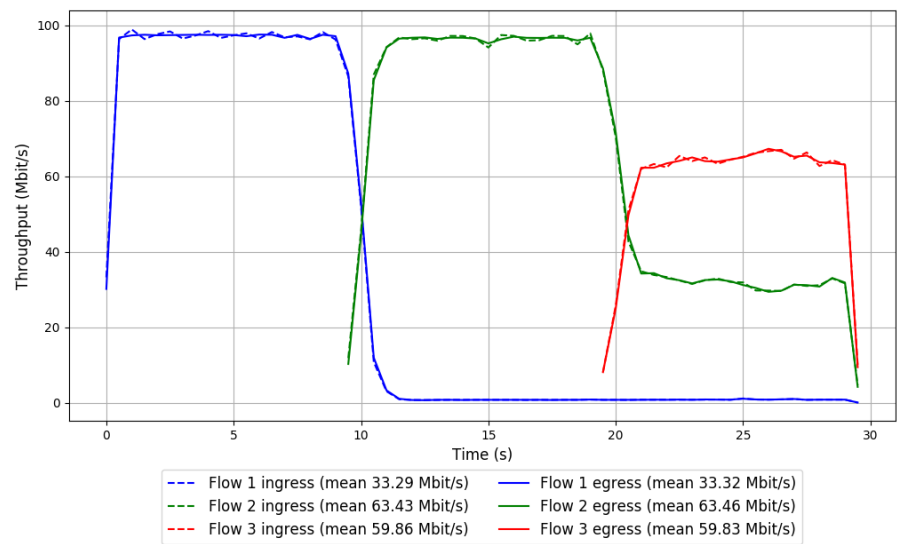
-- Flow 3:

Average throughput: 59.83 Mbit/s

95th percentile per-packet one-way delay: 21.867 ms

Loss rate: 0.28%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:59:41 +0000

End at: Sat, 29 Jul 2017 08:00:11 +0000

Local clock offset: 4.713 ms

Remote clock offset: -3.928 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 25.116 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 36.42 Mbit/s

95th percentile per-packet one-way delay: 24.566 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.96 Mbit/s

95th percentile per-packet one-way delay: 25.190 ms

Loss rate: 0.10%

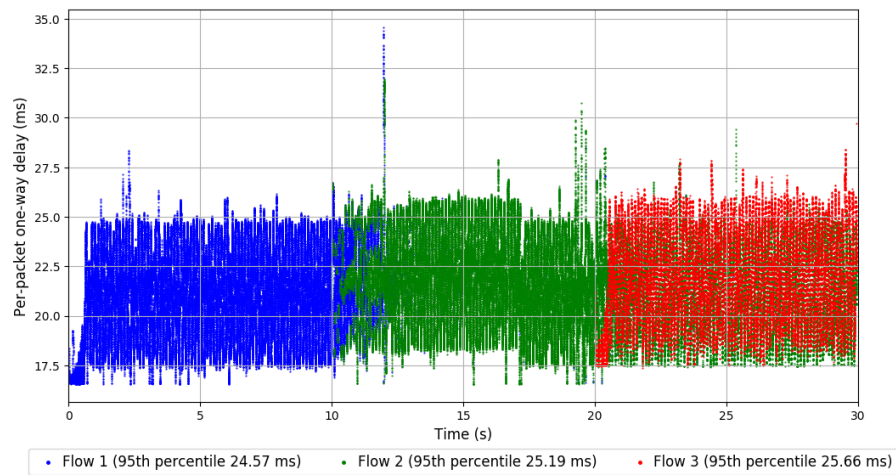
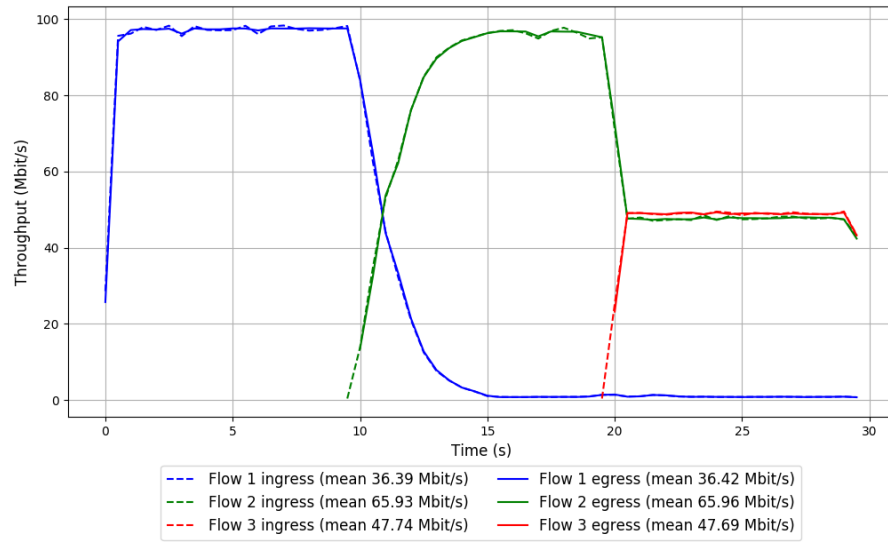
-- Flow 3:

Average throughput: 47.69 Mbit/s

95th percentile per-packet one-way delay: 25.662 ms

Loss rate: 0.28%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 08:18:39 +0000

End at: Sat, 29 Jul 2017 08:19:09 +0000

Local clock offset: 1.135 ms

Remote clock offset: -5.415 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.27 Mbit/s

95th percentile per-packet one-way delay: 23.784 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 62.54 Mbit/s

95th percentile per-packet one-way delay: 23.594 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 24.34 Mbit/s

95th percentile per-packet one-way delay: 24.432 ms

Loss rate: 0.00%

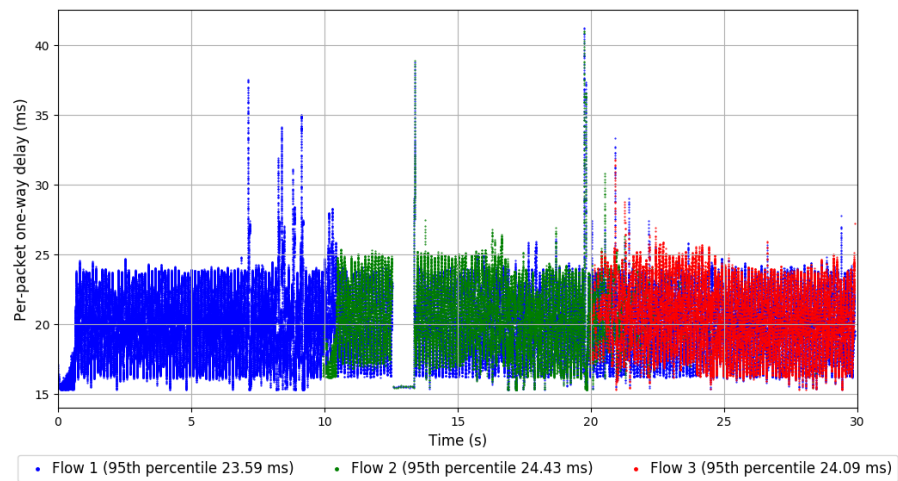
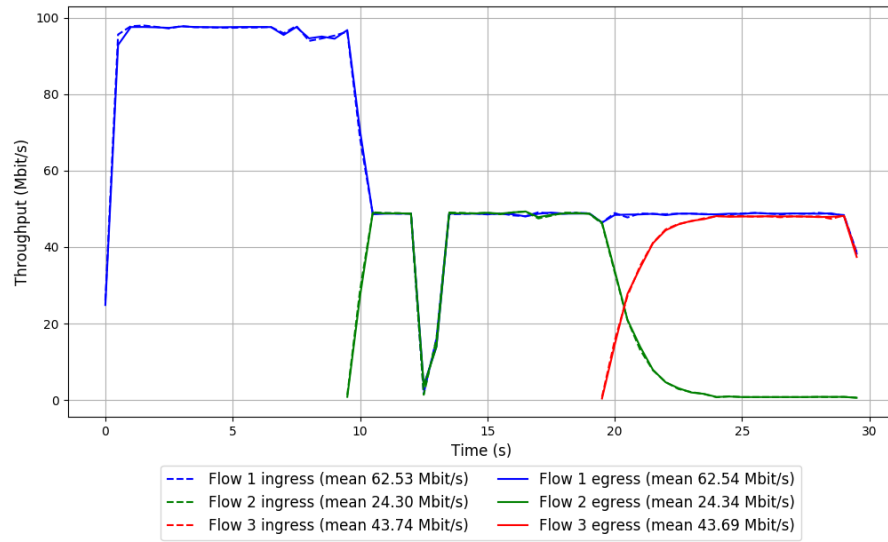
-- Flow 3:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 24.086 ms

Loss rate: 0.31%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 08:37:58 +0000

End at: Sat, 29 Jul 2017 08:38:28 +0000

Local clock offset: 2.365 ms

Remote clock offset: -5.654 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:30:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 25.215 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 25.033 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.85 Mbit/s

95th percentile per-packet one-way delay: 25.256 ms

Loss rate: 0.14%

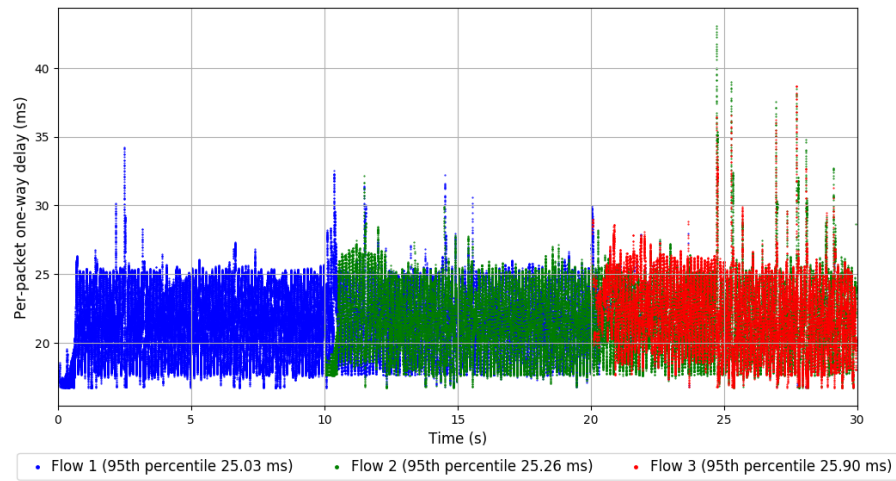
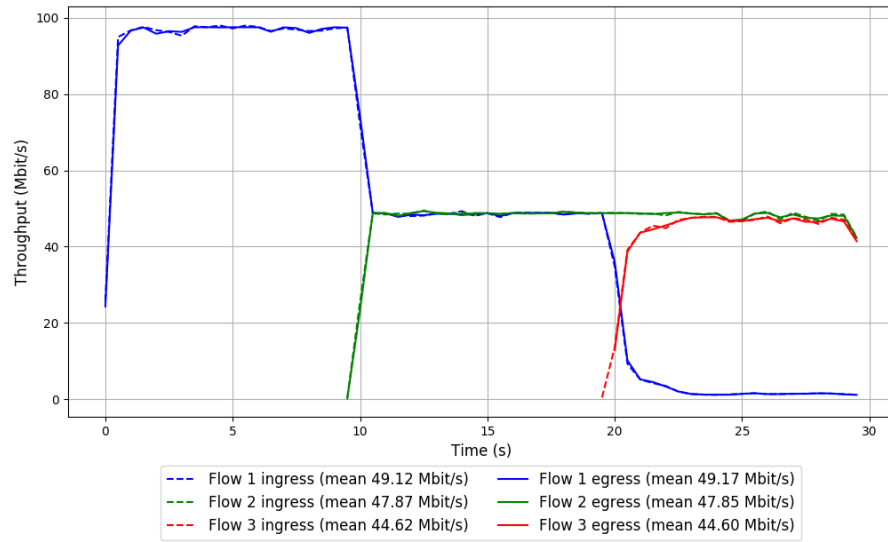
-- Flow 3:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 25.899 ms

Loss rate: 0.32%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 08:57:23 +0000

End at: Sat, 29 Jul 2017 08:57:53 +0000

Local clock offset: 4.264 ms

Remote clock offset: -3.249 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 24.977 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 24.489 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 25.593 ms

Loss rate: 0.10%

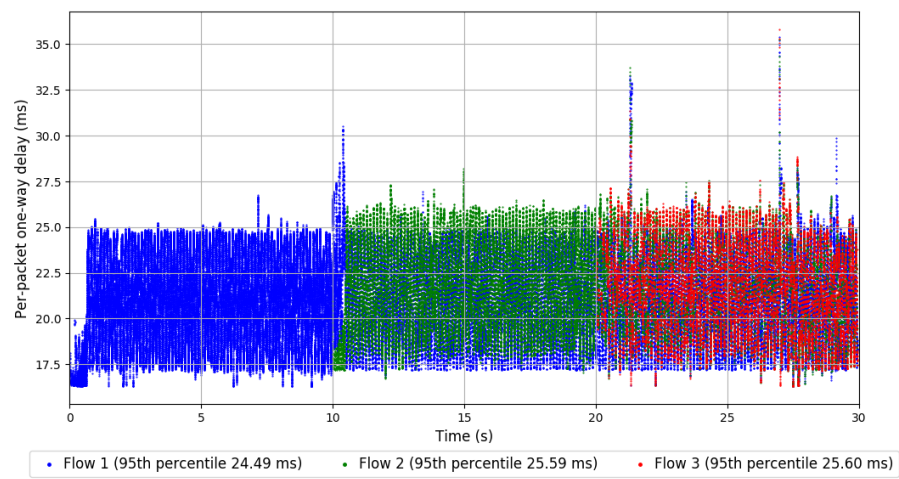
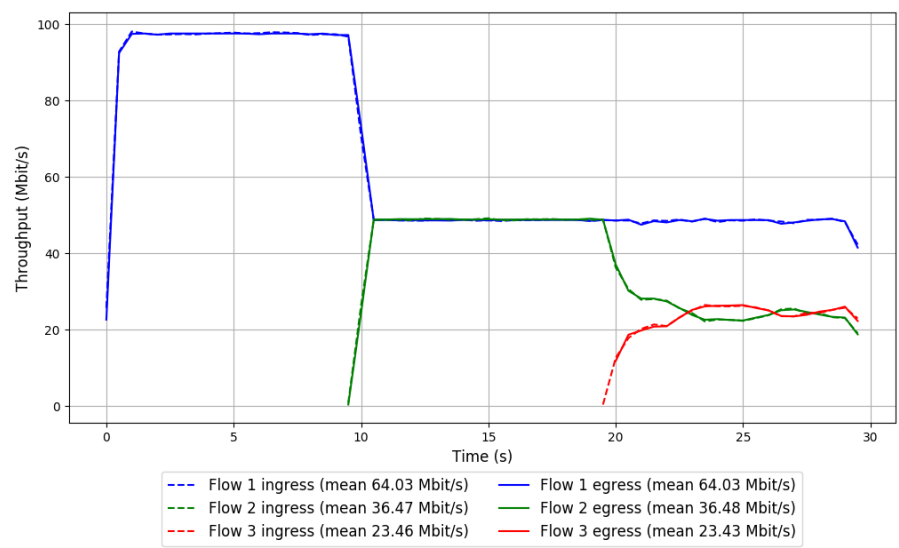
-- Flow 3:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 25.599 ms

Loss rate: 0.39%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 09:16:33 +0000

End at: Sat, 29 Jul 2017 09:17:03 +0000

Local clock offset: 2.858 ms

Remote clock offset: -4.624 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 25.387 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 34.27 Mbit/s

95th percentile per-packet one-way delay: 24.463 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 69.40 Mbit/s

95th percentile per-packet one-way delay: 26.131 ms

Loss rate: 0.10%

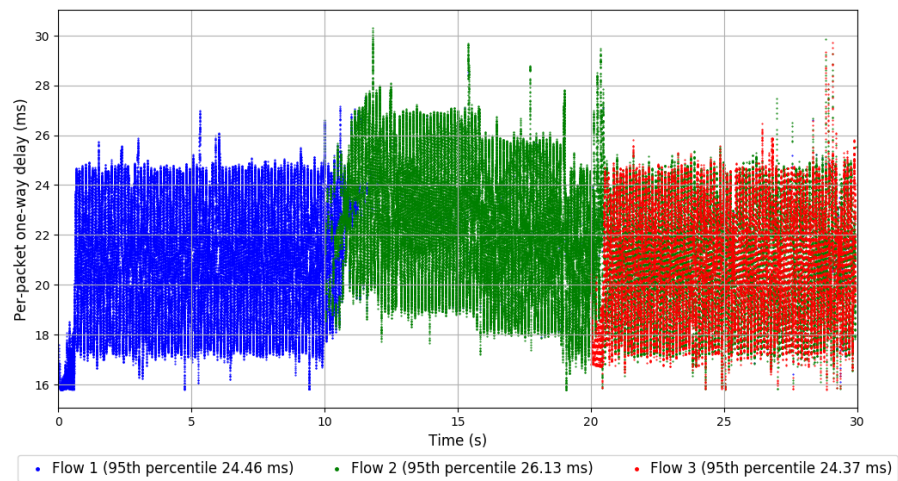
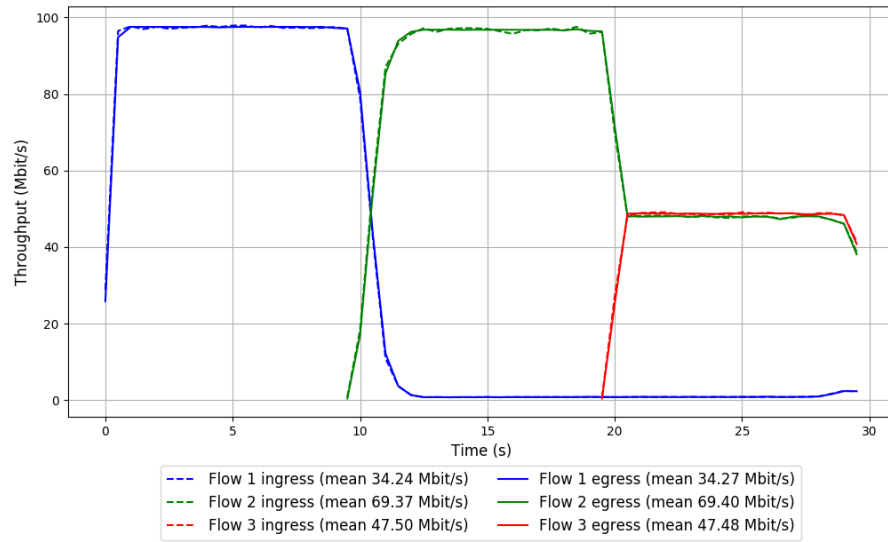
-- Flow 3:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 24.374 ms

Loss rate: 0.29%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 09:35:24 +0000

End at: Sat, 29 Jul 2017 09:35:54 +0000

Local clock offset: -0.034 ms

Remote clock offset: -3.261 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 20.769 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 58.79 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 21.341 ms

Loss rate: 0.11%

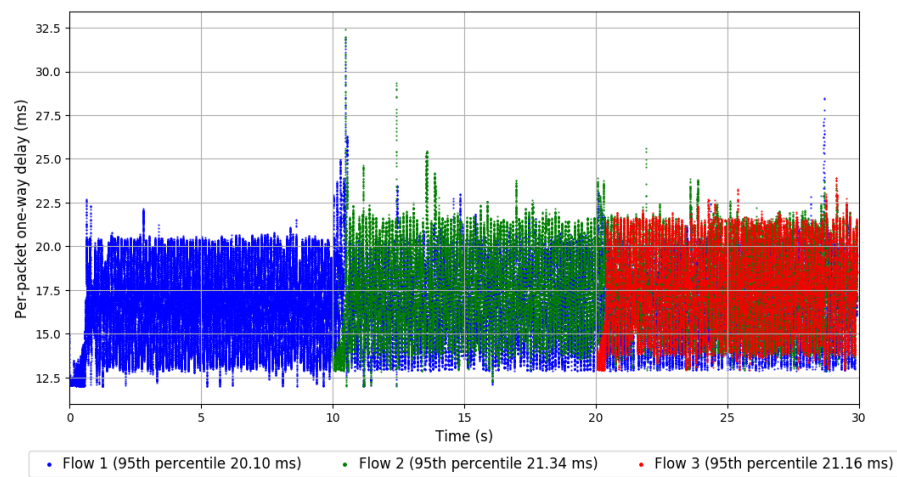
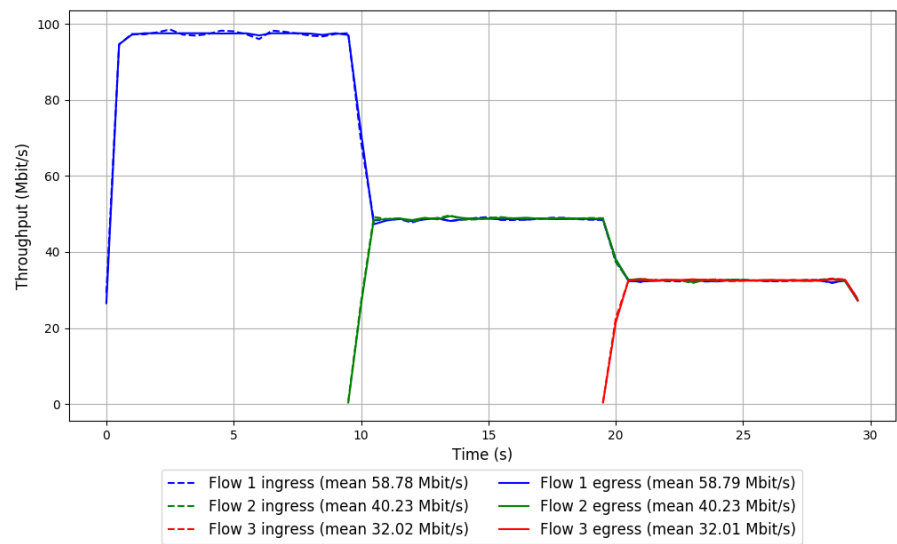
-- Flow 3:

Average throughput: 32.01 Mbit/s

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

Loss rate: 0.28%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 09:54:27 +0000

End at: Sat, 29 Jul 2017 09:54:57 +0000

Local clock offset: 0.614 ms

Remote clock offset: -3.716 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 21.436 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 21.223 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 21.519 ms

Loss rate: 0.12%

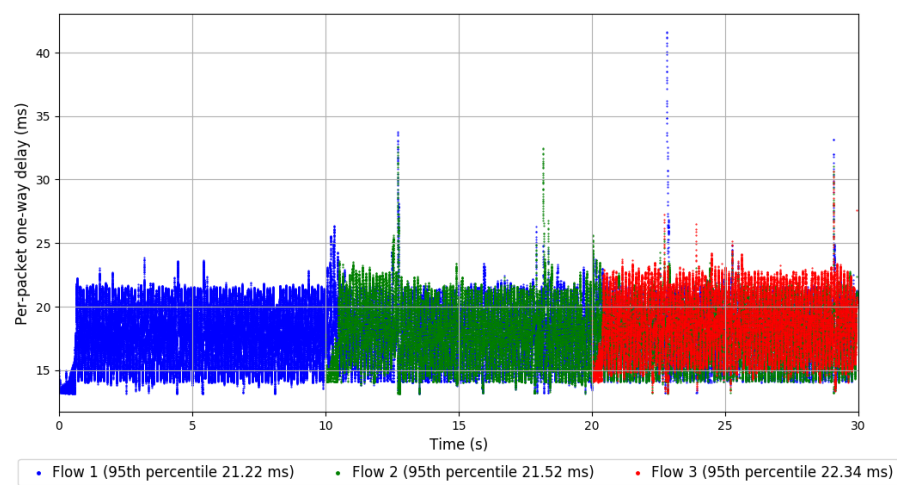
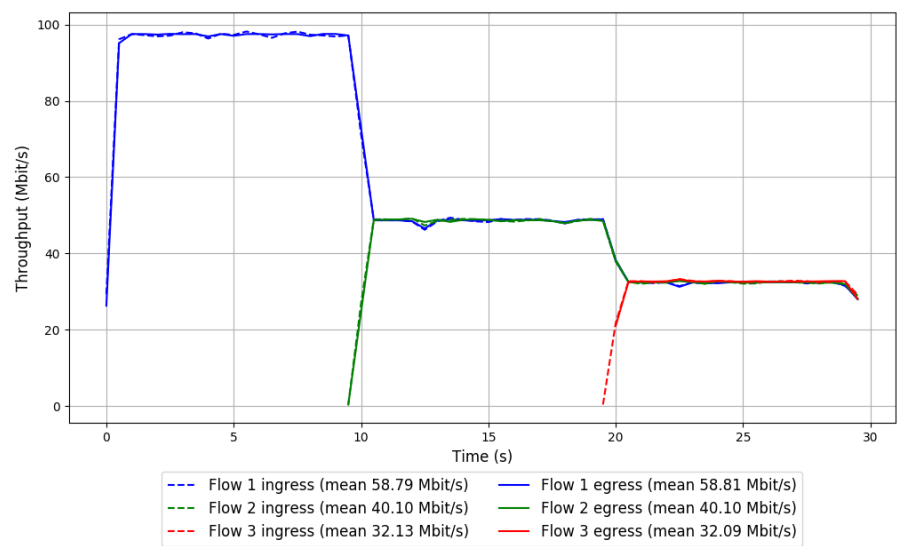
-- Flow 3:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 22.336 ms

Loss rate: 0.33%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 10:13:07 +0000

End at: Sat, 29 Jul 2017 10:13:37 +0000

Local clock offset: 0.865 ms

Remote clock offset: -2.847 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 20.967 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 58.75 Mbit/s

95th percentile per-packet one-way delay: 20.635 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 21.659 ms

Loss rate: 0.12%

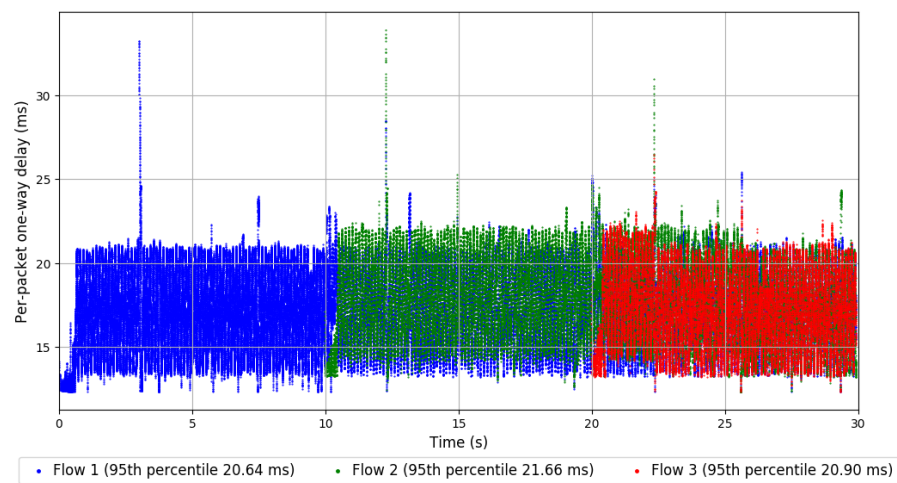
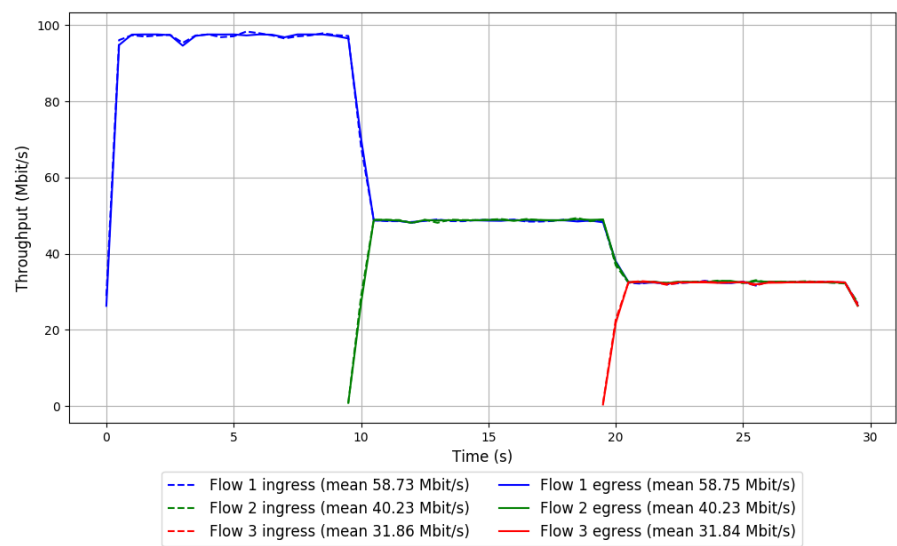
-- Flow 3:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 20.903 ms

Loss rate: 0.28%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 10:32:02 +0000

End at: Sat, 29 Jul 2017 10:32:32 +0000

Local clock offset: 0.962 ms

Remote clock offset: -3.158 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 21.129 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 52.25 Mbit/s

95th percentile per-packet one-way delay: 21.144 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 21.083 ms

Loss rate: 0.16%

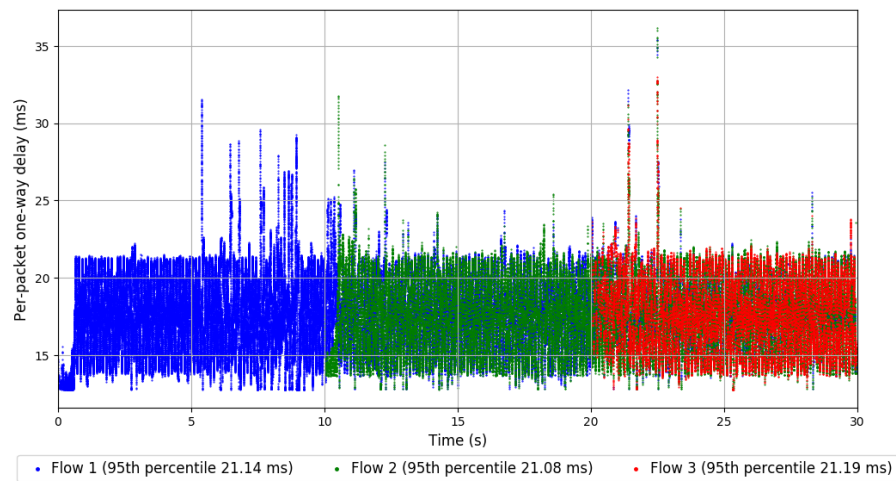
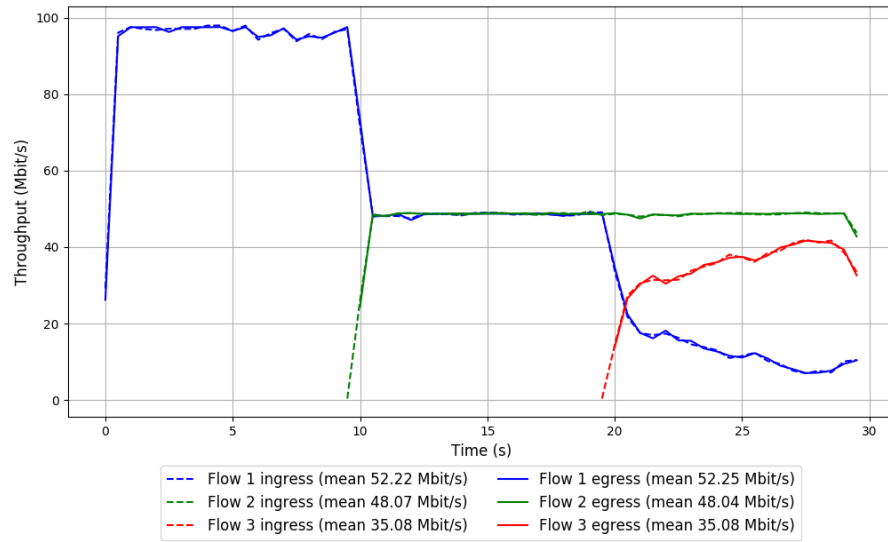
-- Flow 3:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 21.194 ms

Loss rate: 0.32%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:39:00 +0000

End at: Sat, 29 Jul 2017 07:39:30 +0000

Local clock offset: 2.745 ms

Remote clock offset: -3.434 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.10 Mbit/s

95th percentile per-packet one-way delay: 13.164 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 13.137 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.81 Mbit/s

95th percentile per-packet one-way delay: 13.160 ms

Loss rate: 0.10%

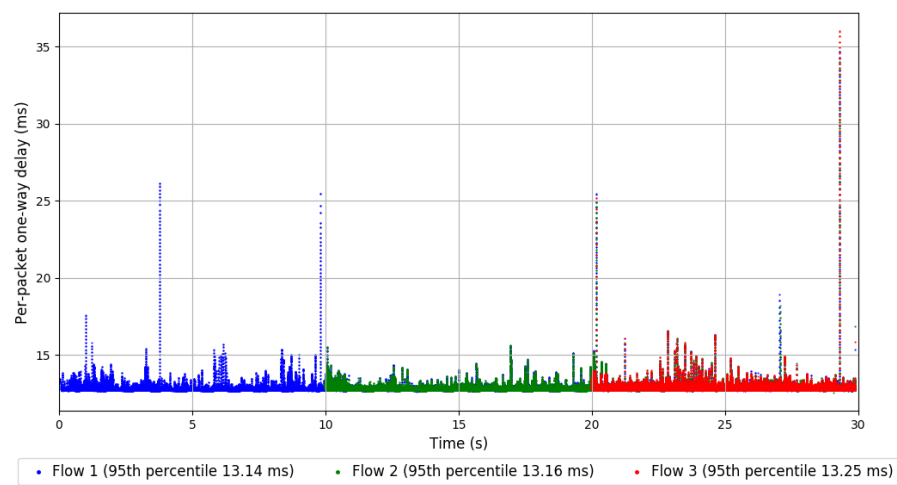
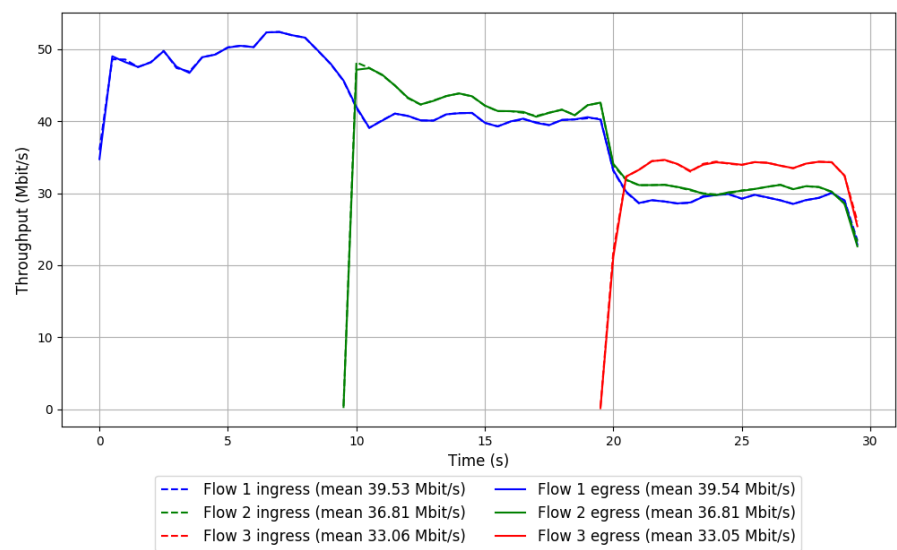
-- Flow 3:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 13.249 ms

Loss rate: 0.24%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:58:20 +0000

End at: Sat, 29 Jul 2017 07:58:50 +0000

Local clock offset: 3.258 ms

Remote clock offset: -5.572 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:31:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.37 Mbit/s

95th percentile per-packet one-way delay: 17.413 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 42.23 Mbit/s

95th percentile per-packet one-way delay: 17.389 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.79 Mbit/s

95th percentile per-packet one-way delay: 17.424 ms

Loss rate: 0.11%

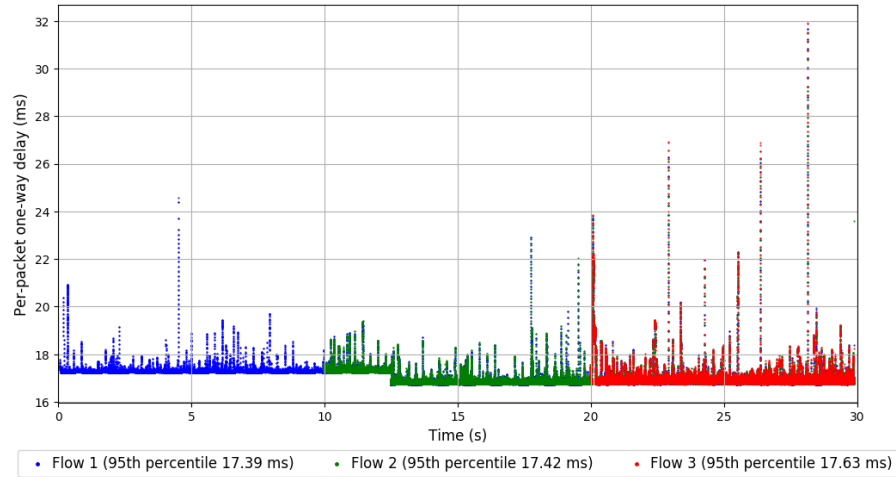
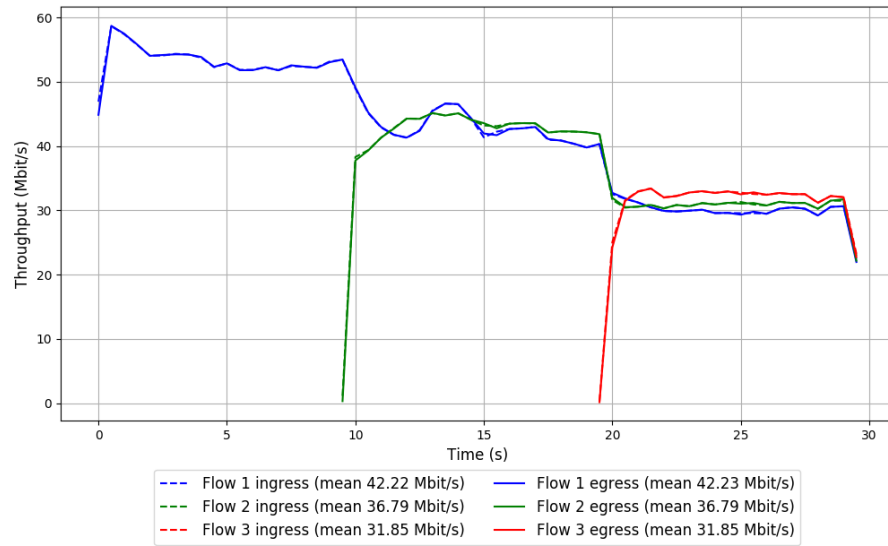
-- Flow 3:

Average throughput: 31.85 Mbit/s

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

Loss rate: 0.25%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 29 Jul 2017 08:17:15 +0000

End at: Sat, 29 Jul 2017 08:17:45 +0000

Local clock offset: 1.221 ms

Remote clock offset: -5.666 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:32:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 16.250 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 16.126 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 16.253 ms

Loss rate: 0.11%

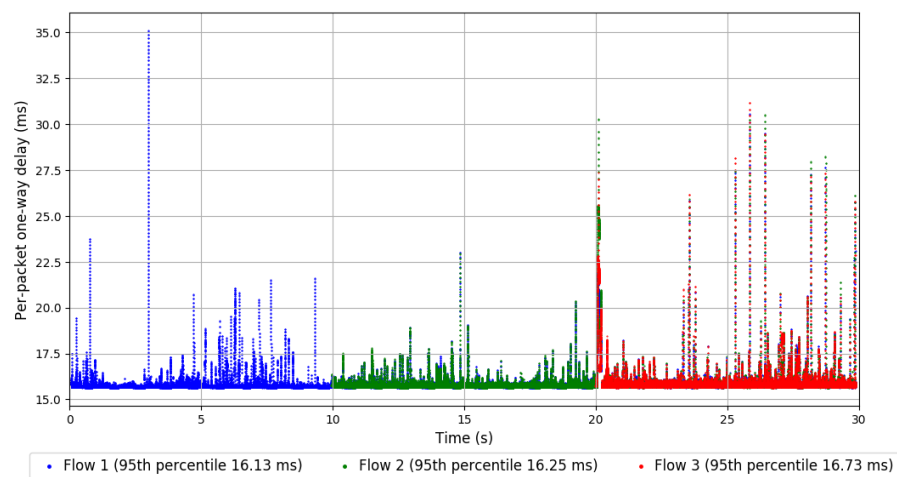
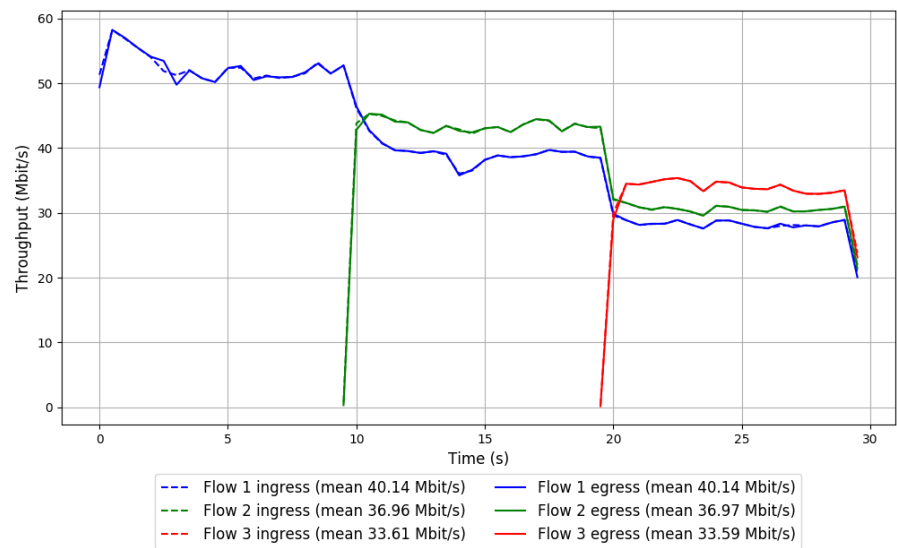
-- Flow 3:

Average throughput: 33.59 Mbit/s

95th percentile per-packet one-way delay: 16.735 ms

Loss rate: 0.27%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 29 Jul 2017 08:36:30 +0000

End at: Sat, 29 Jul 2017 08:37:00 +0000

Local clock offset: 4.077 ms

Remote clock offset: -5.145 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:32:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.55 Mbit/s

95th percentile per-packet one-way delay: 18.083 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 17.942 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.07 Mbit/s

95th percentile per-packet one-way delay: 18.311 ms

Loss rate: 0.11%

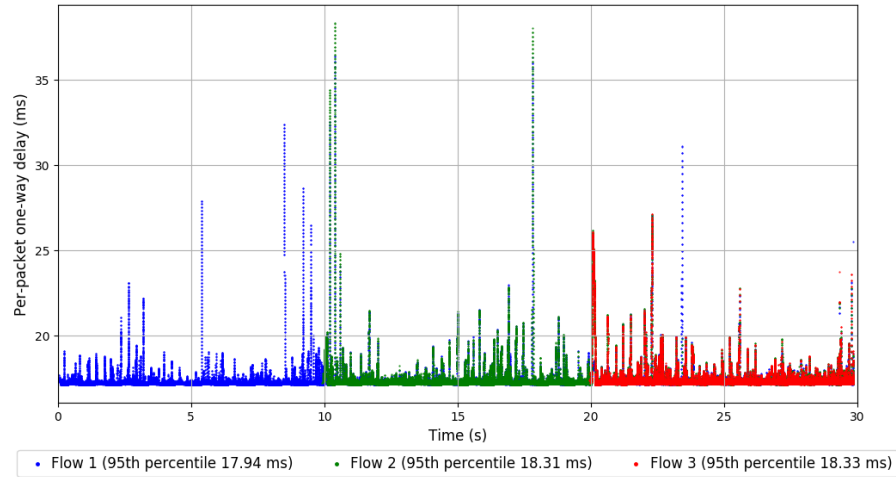
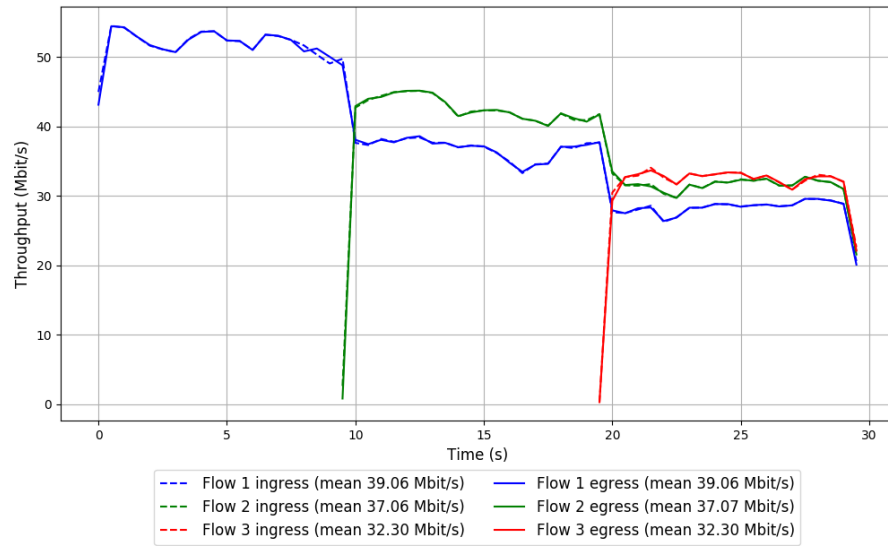
-- Flow 3:

Average throughput: 32.30 Mbit/s

95th percentile per-packet one-way delay: 18.333 ms

Loss rate: 0.25%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 29 Jul 2017 08:56:02 +0000

End at: Sat, 29 Jul 2017 08:56:32 +0000

Local clock offset: 0.864 ms

Remote clock offset: -3.949 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:32:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.80 Mbit/s

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

Loss rate: 0.12%

-- Flow 1:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 13.981 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 35.62 Mbit/s

95th percentile per-packet one-way delay: 14.067 ms

Loss rate: 0.14%

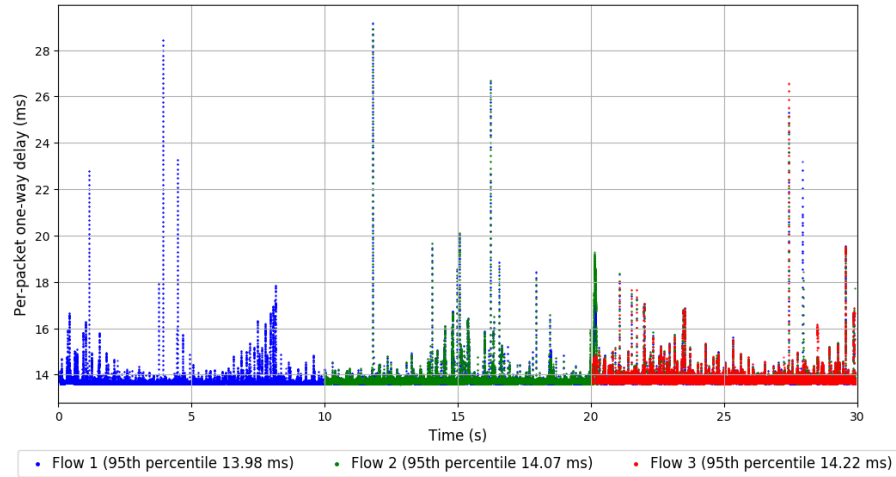
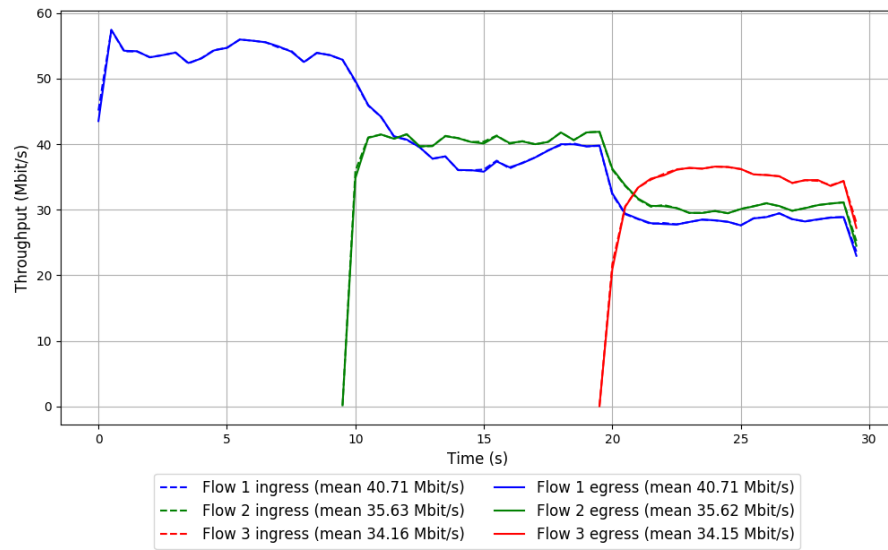
-- Flow 3:

Average throughput: 34.15 Mbit/s

95th percentile per-packet one-way delay: 14.217 ms

Loss rate: 0.25%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 29 Jul 2017 09:15:10 +0000

End at: Sat, 29 Jul 2017 09:15:40 +0000

Local clock offset: 0.496 ms

Remote clock offset: -4.563 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:32:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 13.875 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 13.757 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.38 Mbit/s

95th percentile per-packet one-way delay: 13.935 ms

Loss rate: 0.11%

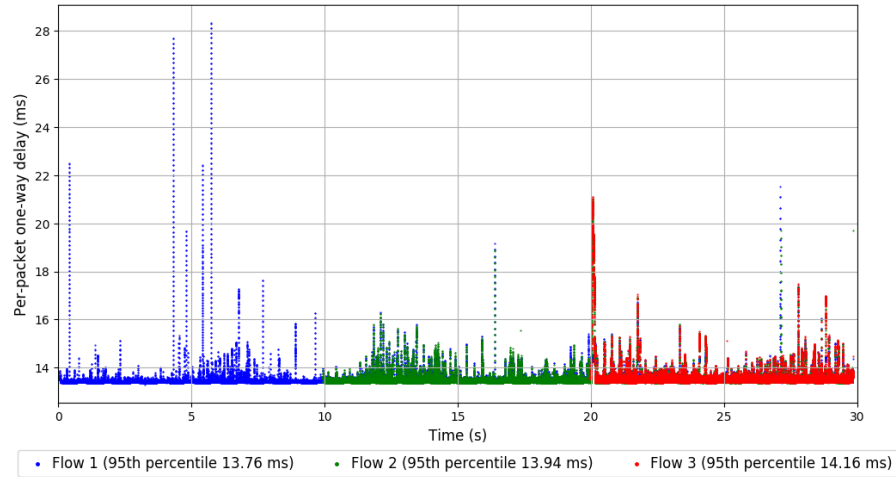
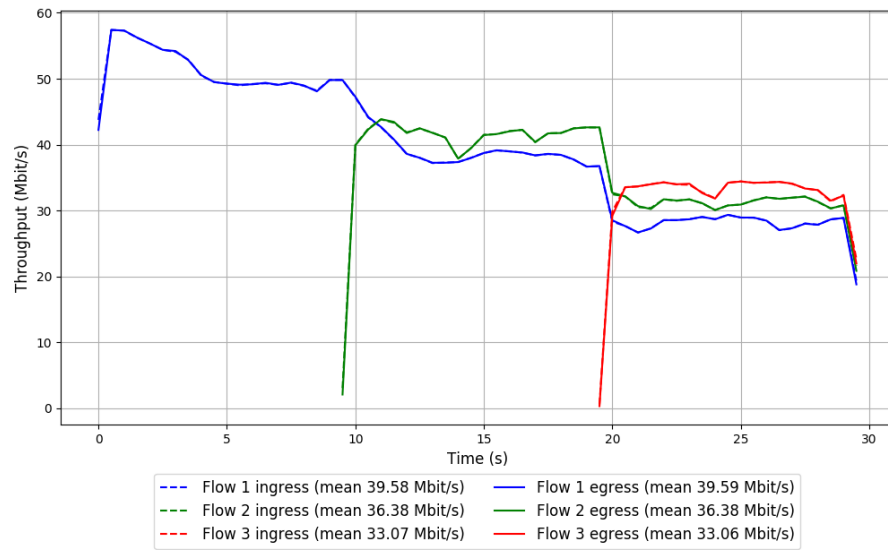
-- Flow 3:

Average throughput: 33.06 Mbit/s

95th percentile per-packet one-way delay: 14.156 ms

Loss rate: 0.25%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 29 Jul 2017 09:34:02 +0000

End at: Sat, 29 Jul 2017 09:34:32 +0000

Local clock offset: 0.33 ms

Remote clock offset: -4.134 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:32:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.23 Mbit/s

95th percentile per-packet one-way delay: 13.801 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 13.689 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 13.819 ms

Loss rate: 0.11%

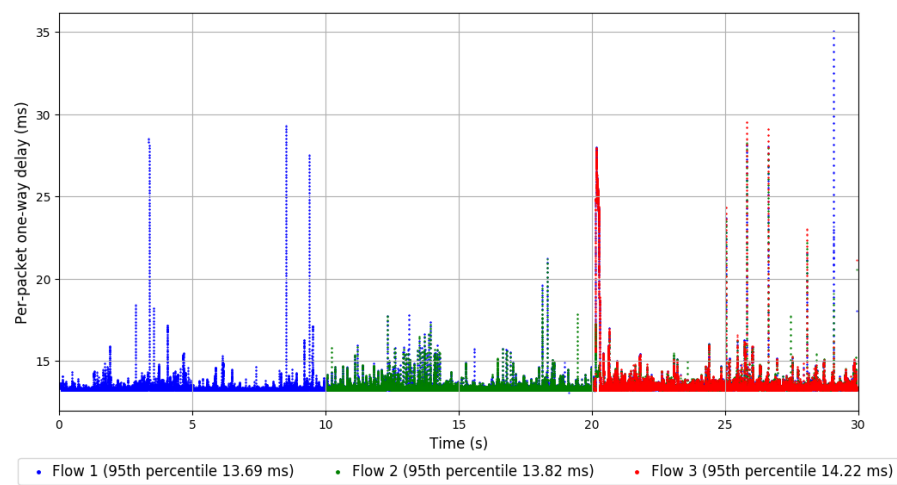
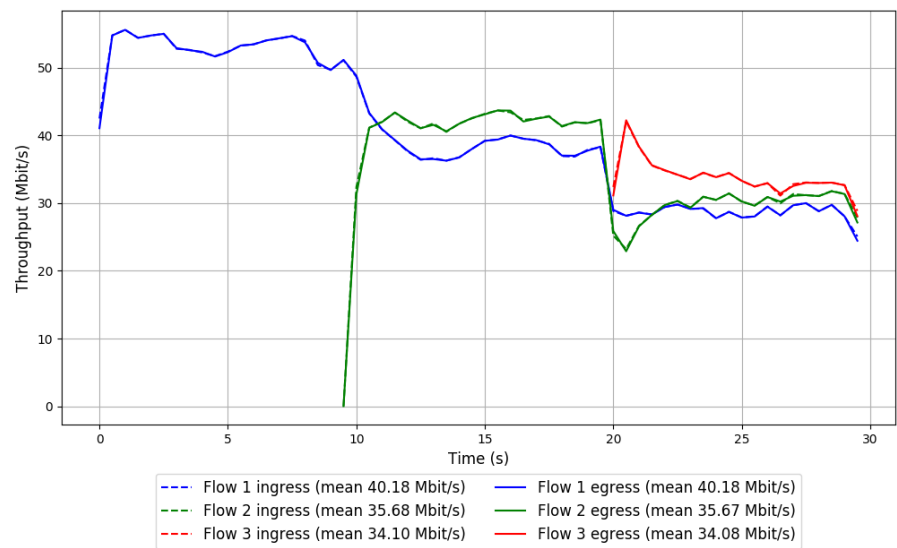
-- Flow 3:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 14.225 ms

Loss rate: 0.25%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 29 Jul 2017 09:53:06 +0000

End at: Sat, 29 Jul 2017 09:53:36 +0000

Local clock offset: 3.41 ms

Remote clock offset: -3.713 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:32:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 16.543 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 16.462 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 16.635 ms

Loss rate: 0.11%

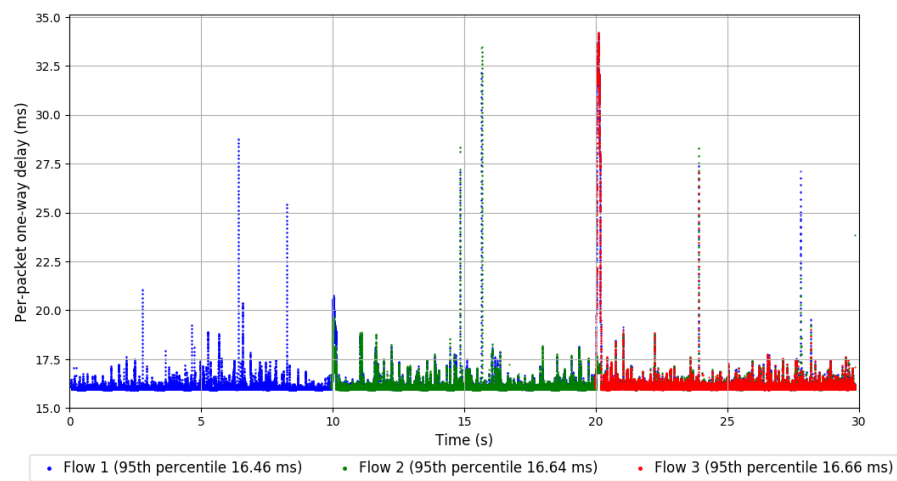
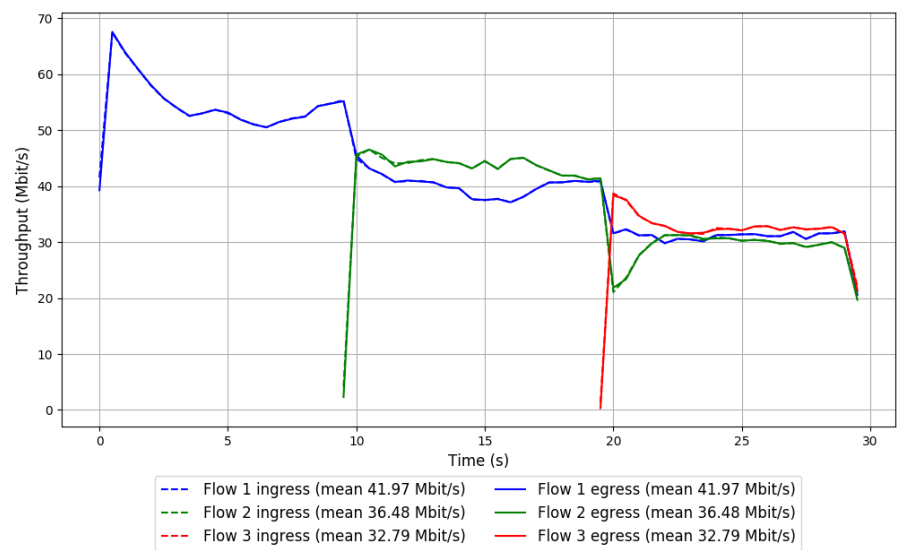
-- Flow 3:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 16.664 ms

Loss rate: 0.26%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sat, 29 Jul 2017 10:11:48 +0000

End at: Sat, 29 Jul 2017 10:12:18 +0000

Local clock offset: 0.192 ms

Remote clock offset: -4.151 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.13 Mbit/s

95th percentile per-packet one-way delay: 13.522 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 13.405 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 13.587 ms

Loss rate: 0.11%

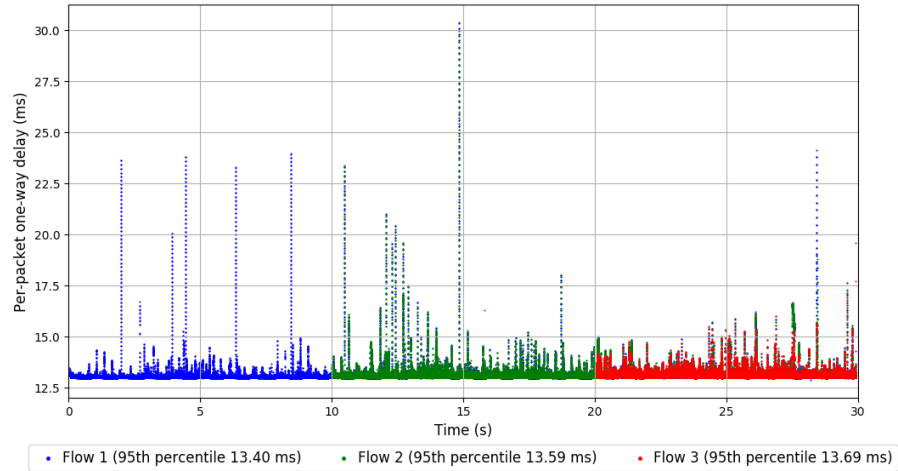
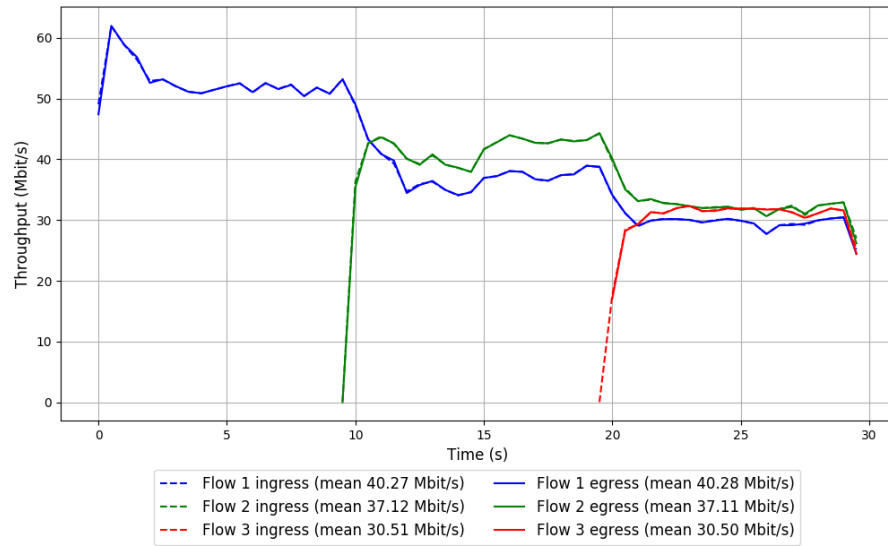
-- Flow 3:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 13.693 ms

Loss rate: 0.25%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 29 Jul 2017 10:30:42 +0000

End at: Sat, 29 Jul 2017 10:31:12 +0000

Local clock offset: 3.609 ms

Remote clock offset: -5.474 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.45 Mbit/s

95th percentile per-packet one-way delay: 18.309 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 18.147 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.14 Mbit/s

95th percentile per-packet one-way delay: 18.334 ms

Loss rate: 0.11%

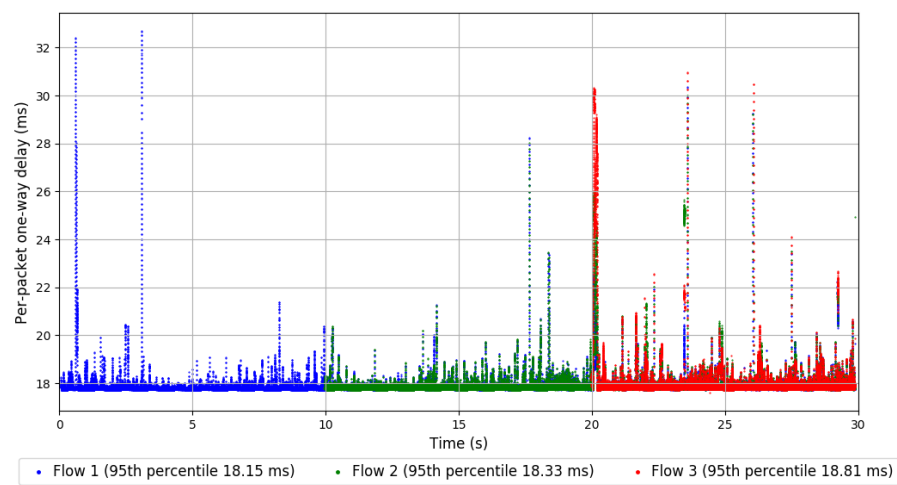
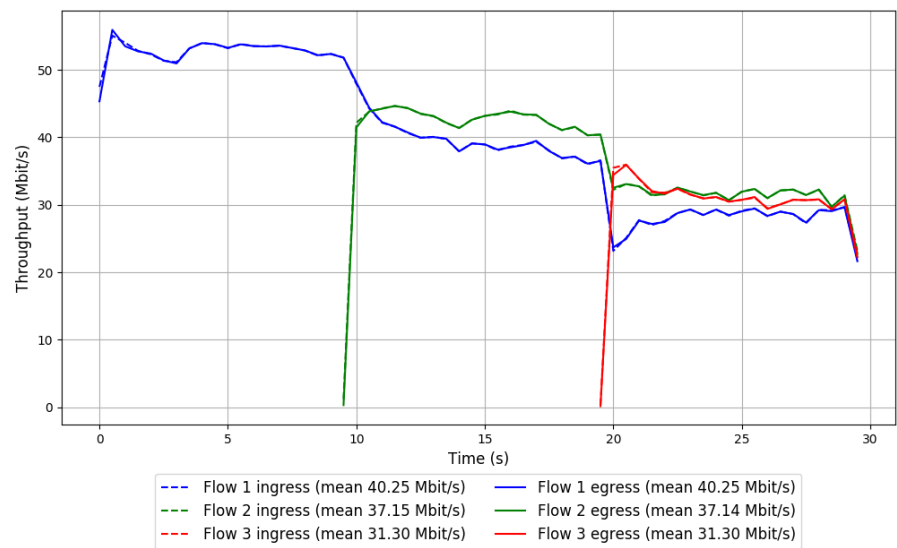
-- Flow 3:

Average throughput: 31.30 Mbit/s

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

Loss rate: 0.26%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

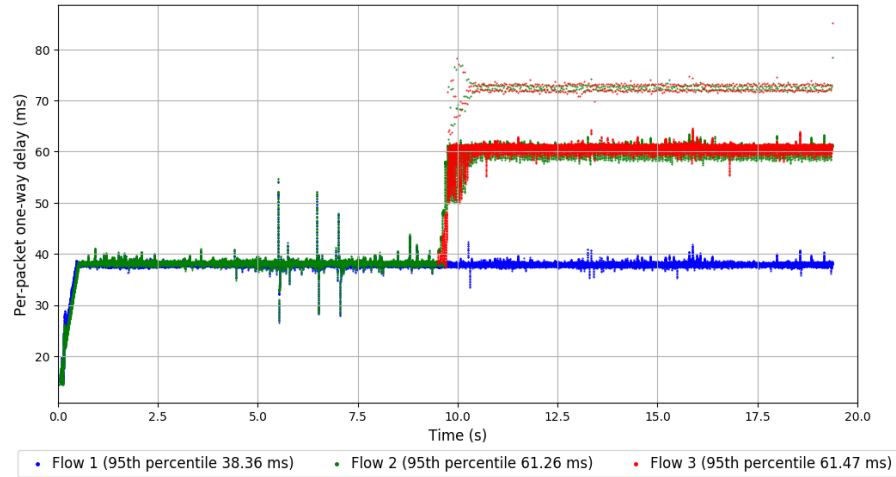
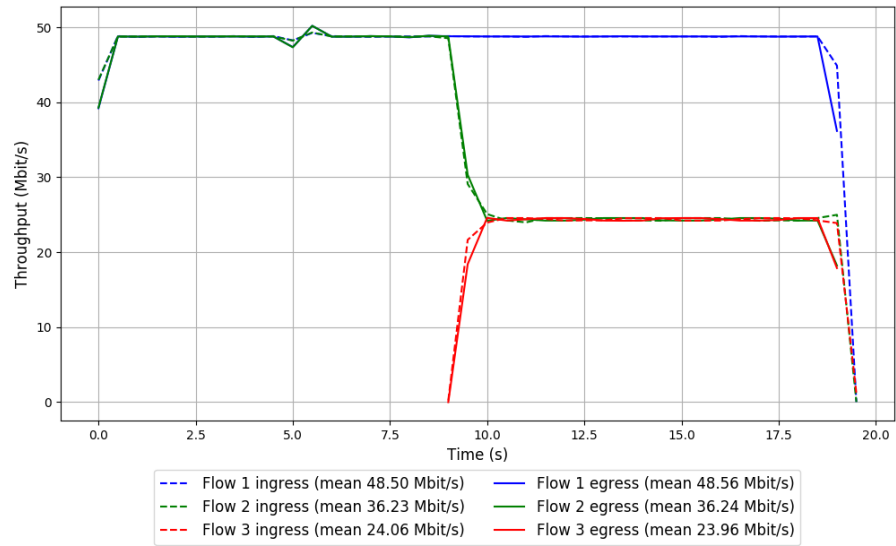
Start at: Sat, 29 Jul 2017 07:44:23 +0000

End at: Sat, 29 Jul 2017 07:44:53 +0000

Local clock offset: 4.142 ms

Remote clock offset: -3.721 ms

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

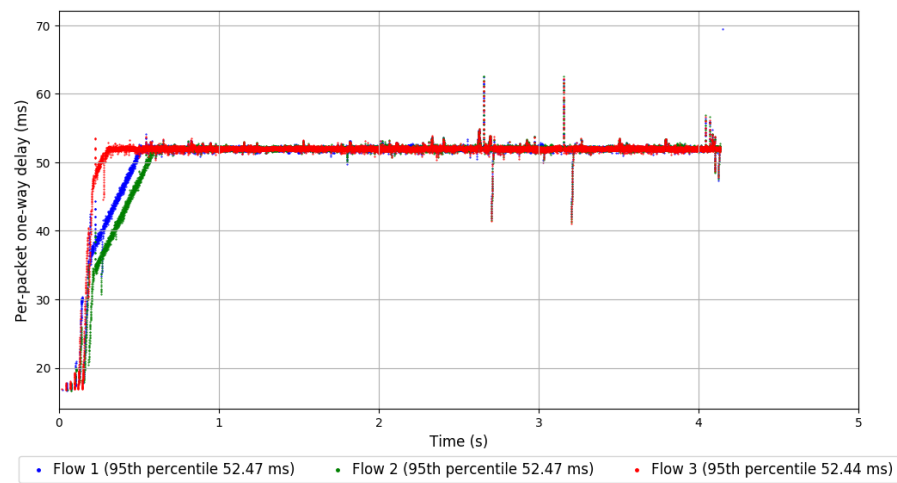
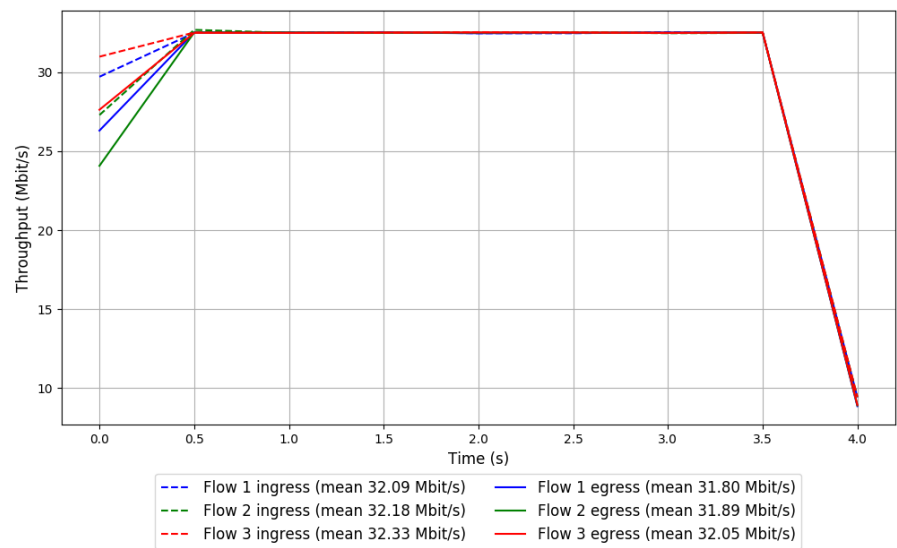
Start at: Sat, 29 Jul 2017 08:03:37 +0000

End at: Sat, 29 Jul 2017 08:04:07 +0000

Local clock offset: 4.878 ms

Remote clock offset: -4.016 ms

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

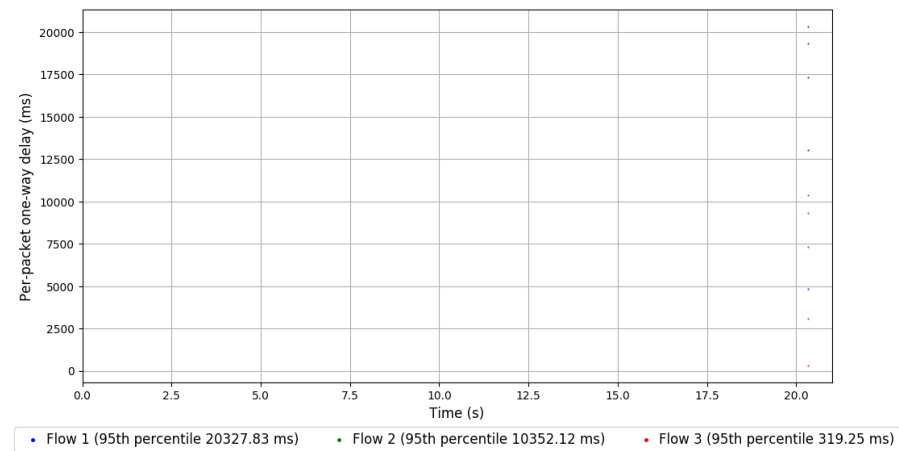
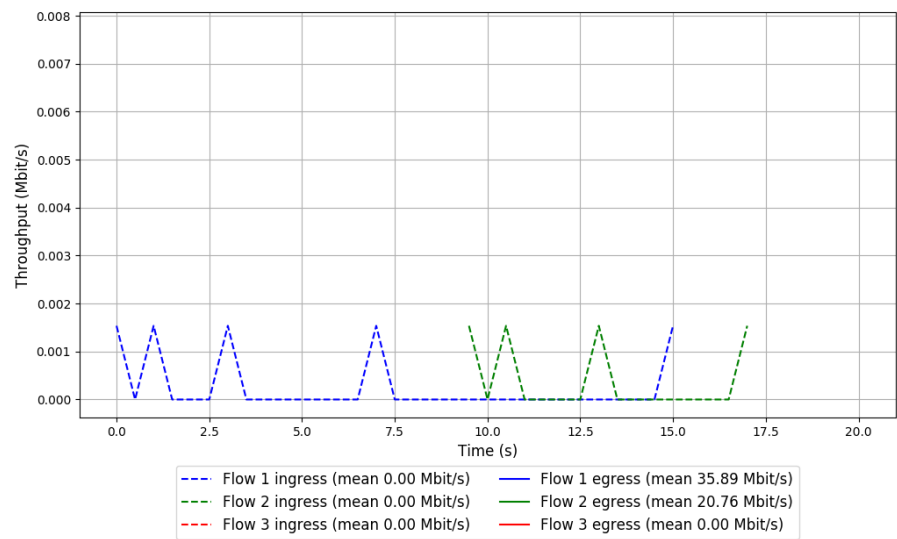
Start at: Sat, 29 Jul 2017 08:22:46 +0000

End at: Sat, 29 Jul 2017 08:23:16 +0000

Local clock offset: 3.863 ms

Remote clock offset: -5.068 ms

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 08:41:57 +0000

End at: Sat, 29 Jul 2017 08:42:27 +0000

Local clock offset: 3.675 ms

Remote clock offset: -5.336 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 64.204 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 64.154 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 64.368 ms

Loss rate: 0.24%

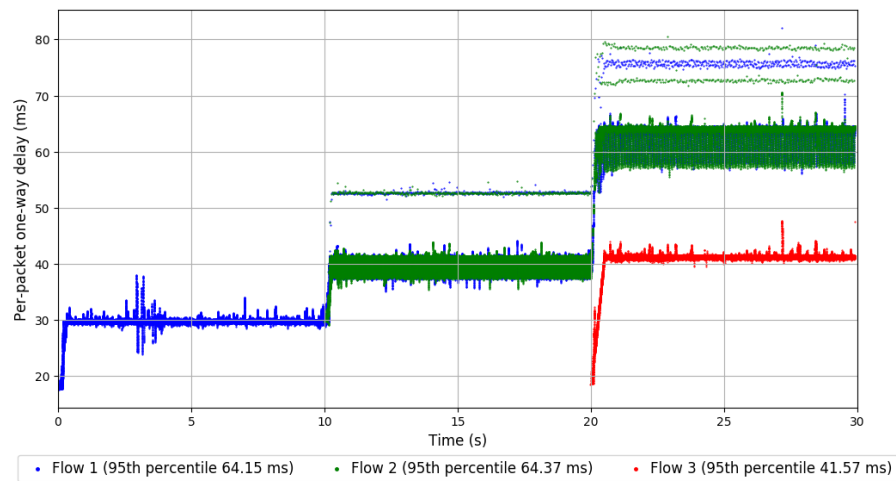
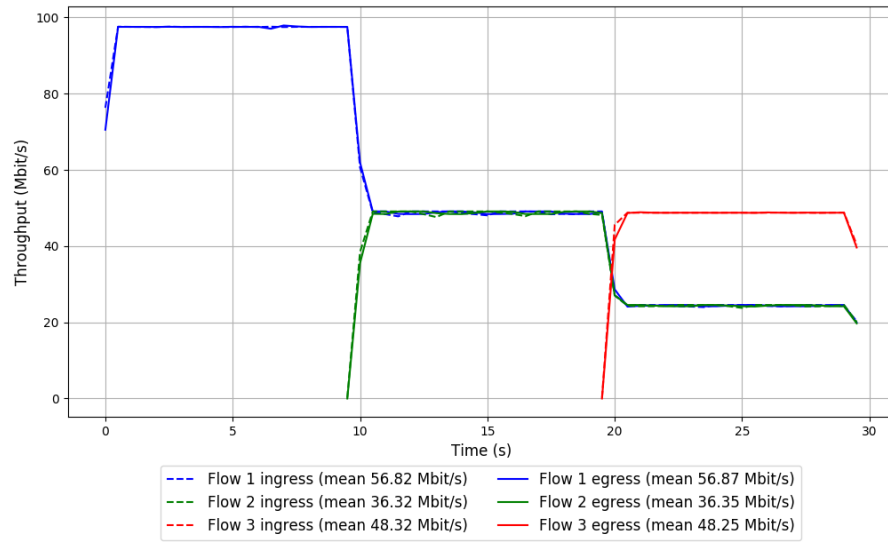
-- Flow 3:

Average throughput: 48.25 Mbit/s

95th percentile per-packet one-way delay: 41.567 ms

Loss rate: 0.50%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 09:01:16 +0000

End at: Sat, 29 Jul 2017 09:01:47 +0000

Local clock offset: 4.081 ms

Remote clock offset: -3.444 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 51.824 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.42 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.45 Mbit/s

95th percentile per-packet one-way delay: 51.803 ms

Loss rate: 0.24%

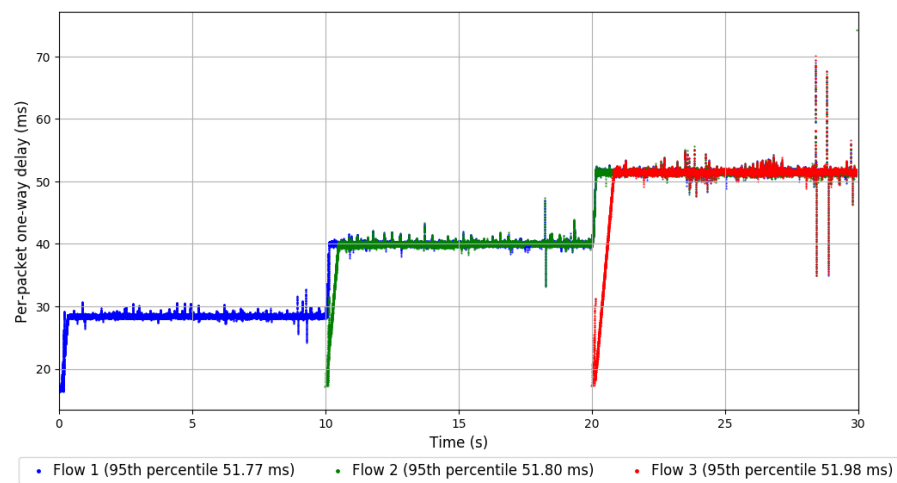
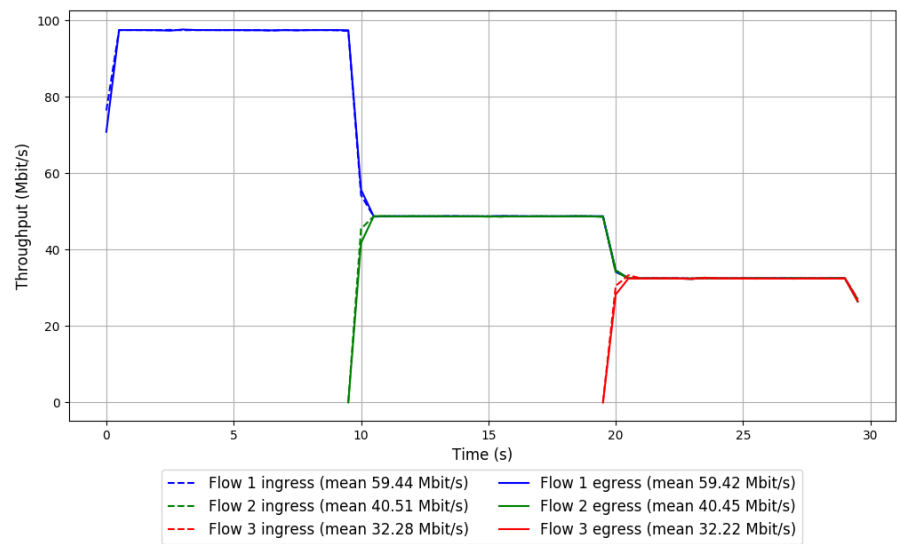
-- Flow 3:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 51.978 ms

Loss rate: 0.61%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 09:20:27 +0000

End at: Sat, 29 Jul 2017 09:20:57 +0000

Local clock offset: 0.019 ms

Remote clock offset: -3.717 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 47.558 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.47 Mbit/s

95th percentile per-packet one-way delay: 47.500 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 47.554 ms

Loss rate: 0.24%

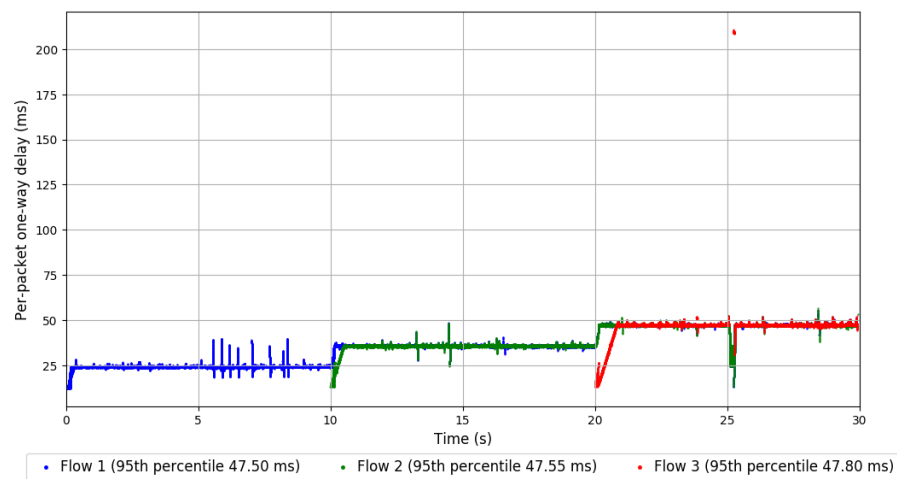
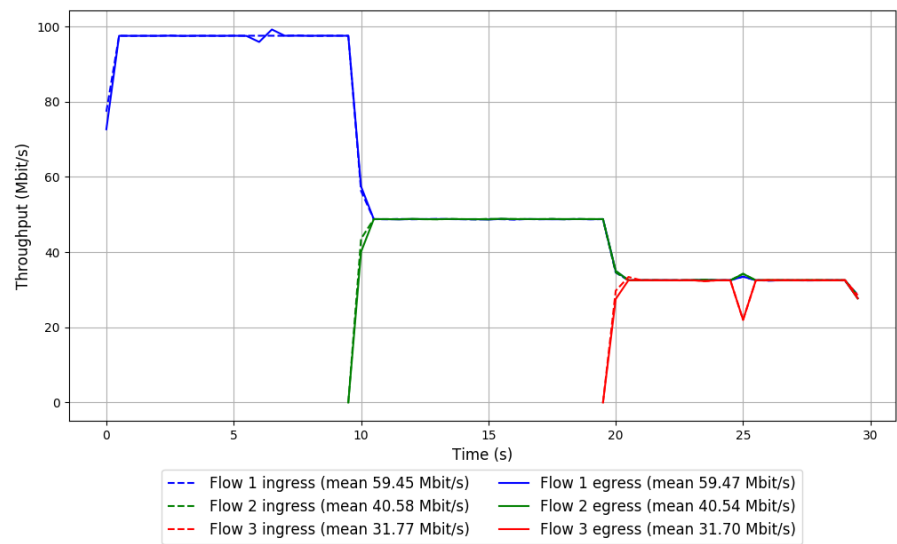
-- Flow 3:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 47.796 ms

Loss rate: 0.62%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

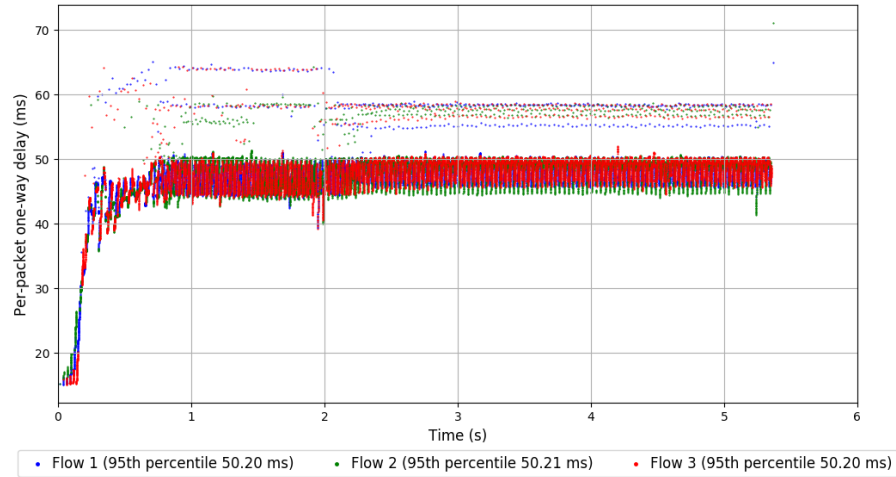
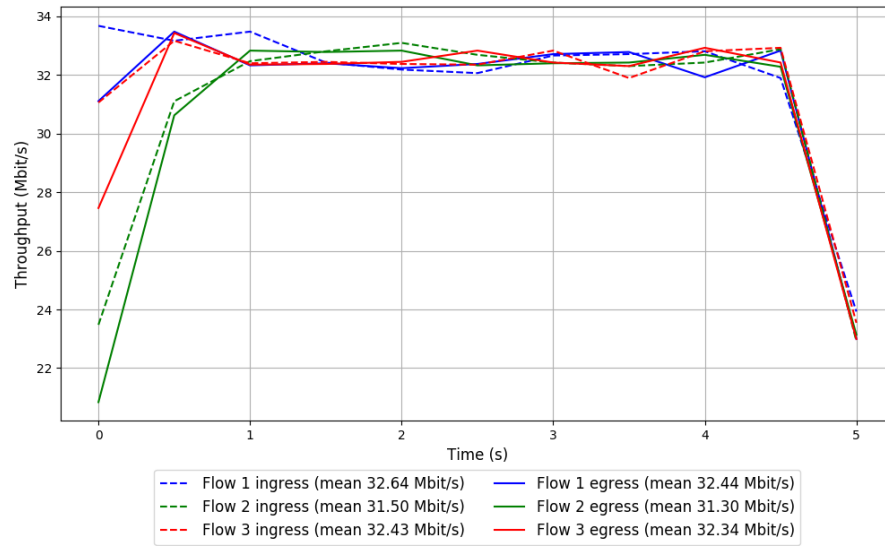
Start at: Sat, 29 Jul 2017 09:39:29 +0000

End at: Sat, 29 Jul 2017 09:39:59 +0000

Local clock offset: 2.401 ms

Remote clock offset: -4.073 ms

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

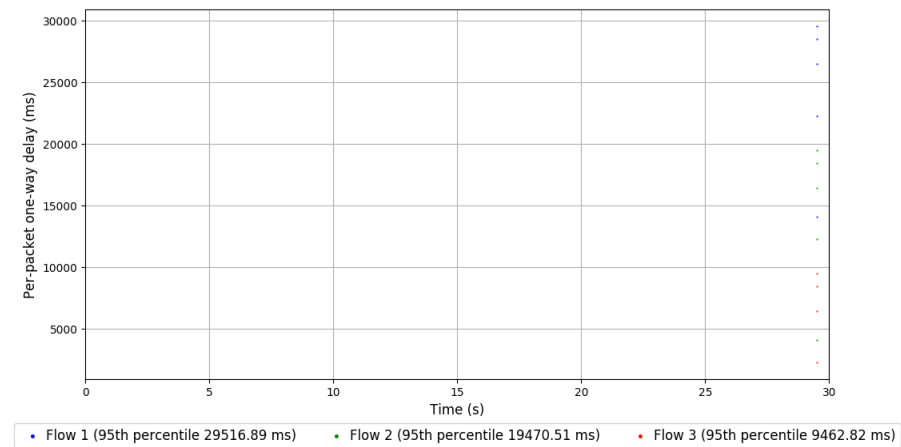
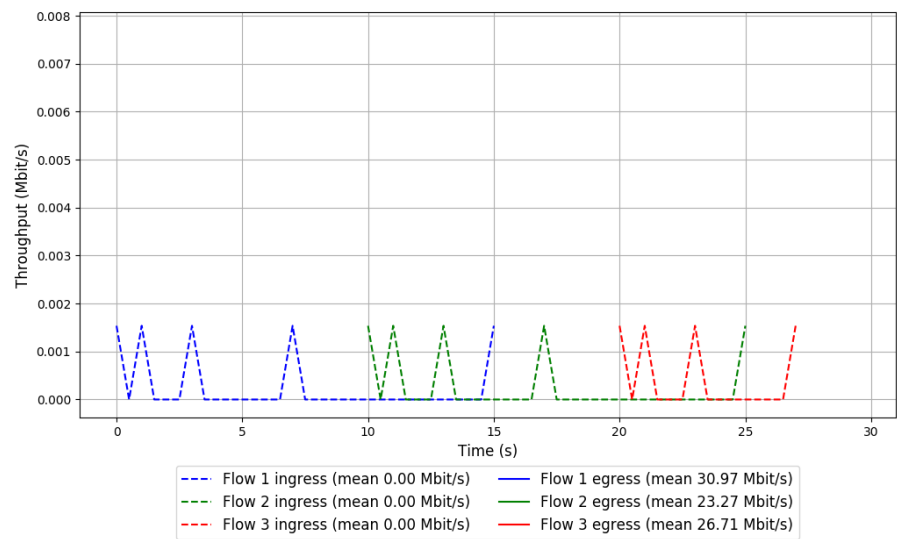
Start at: Sat, 29 Jul 2017 09:58:17 +0000

End at: Sat, 29 Jul 2017 09:58:47 +0000

Local clock offset: 1.93 ms

Remote clock offset: -3.556 ms

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 10:16:55 +0000

End at: Sat, 29 Jul 2017 10:17:25 +0000

Local clock offset: 3.545 ms

Remote clock offset: -4.694 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 63.244 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 64.80 Mbit/s

95th percentile per-packet one-way delay: 40.724 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 63.388 ms

Loss rate: 0.74%

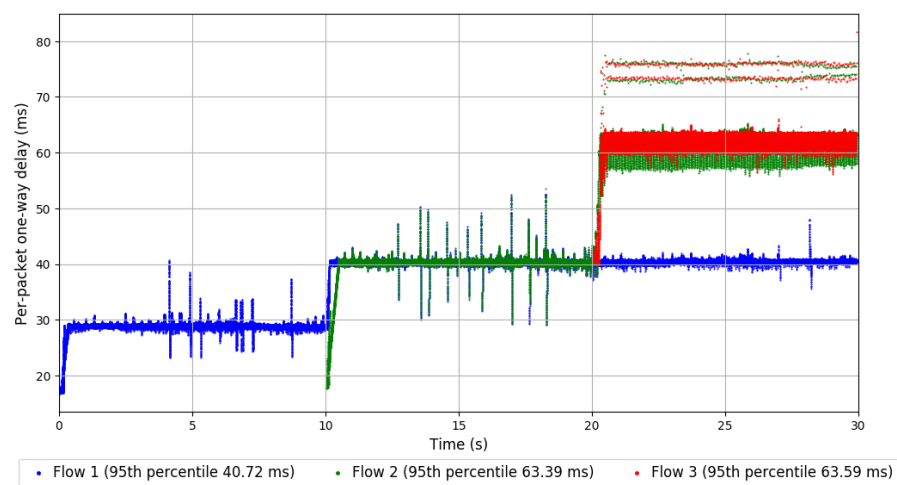
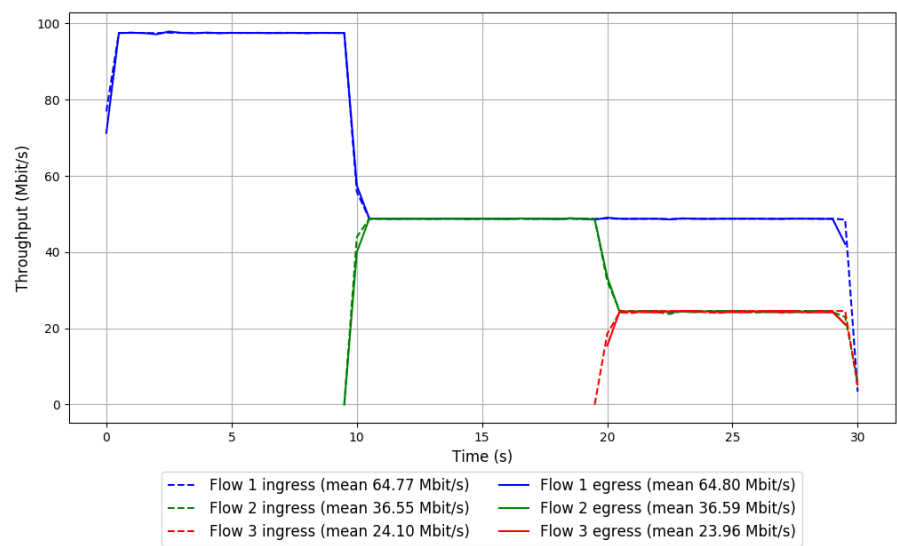
-- Flow 3:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 63.590 ms

Loss rate: 2.41%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 10:35:55 +0000

End at: Sat, 29 Jul 2017 10:36:25 +0000

Local clock offset: 1.316 ms

Remote clock offset: -5.139 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 61.613 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 61.557 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 39.044 ms

Loss rate: 0.82%

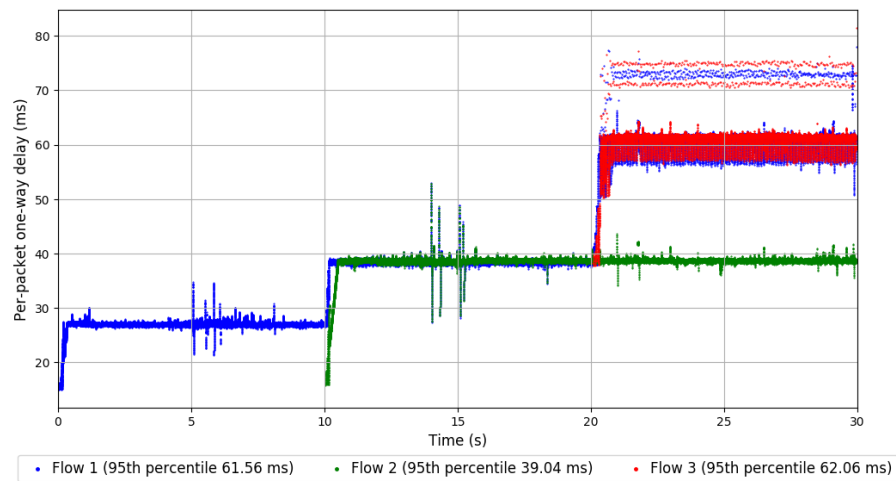
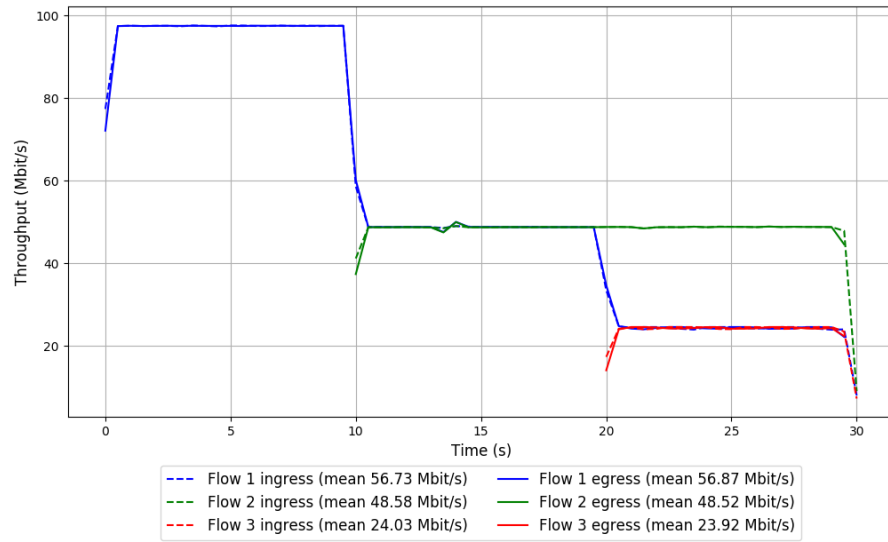
-- Flow 3:

Average throughput: 23.92 Mbit/s

95th percentile per-packet one-way delay: 62.058 ms

Loss rate: 2.40%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:42:59 +0000

End at: Sat, 29 Jul 2017 07:43:29 +0000

Local clock offset: 3.65 ms

Remote clock offset: -3.463 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:33:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.63 Mbit/s

95th percentile per-packet one-way delay: 21.939 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 21.398 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 47.55 Mbit/s

95th percentile per-packet one-way delay: 16.137 ms

Loss rate: 0.12%

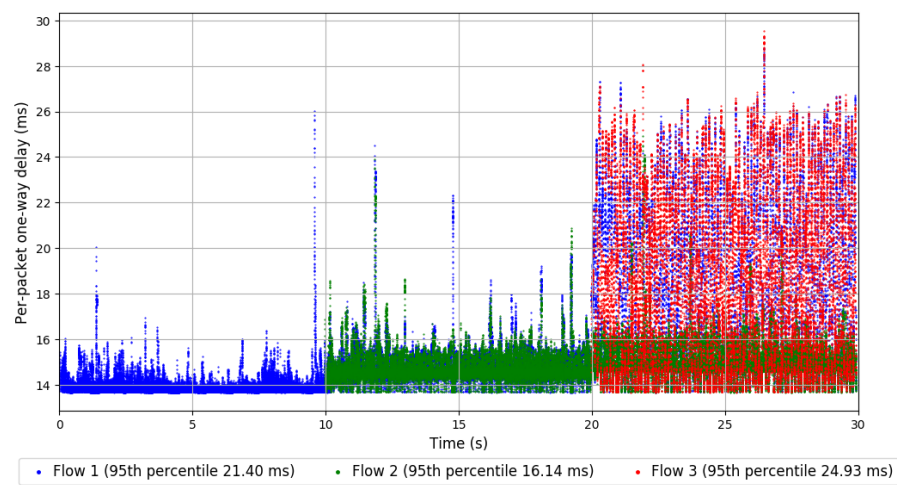
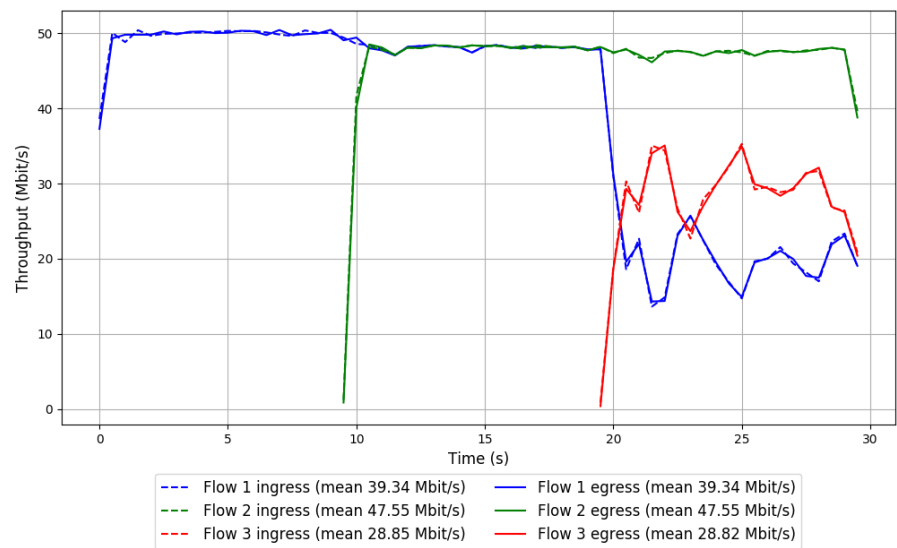
-- Flow 3:

Average throughput: 28.82 Mbit/s

95th percentile per-packet one-way delay: 24.932 ms

Loss rate: 0.25%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 08:02:18 +0000

End at: Sat, 29 Jul 2017 08:02:48 +0000

Local clock offset: 4.056 ms

Remote clock offset: -3.239 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 23.691 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 22.892 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 23.555 ms

Loss rate: 0.11%

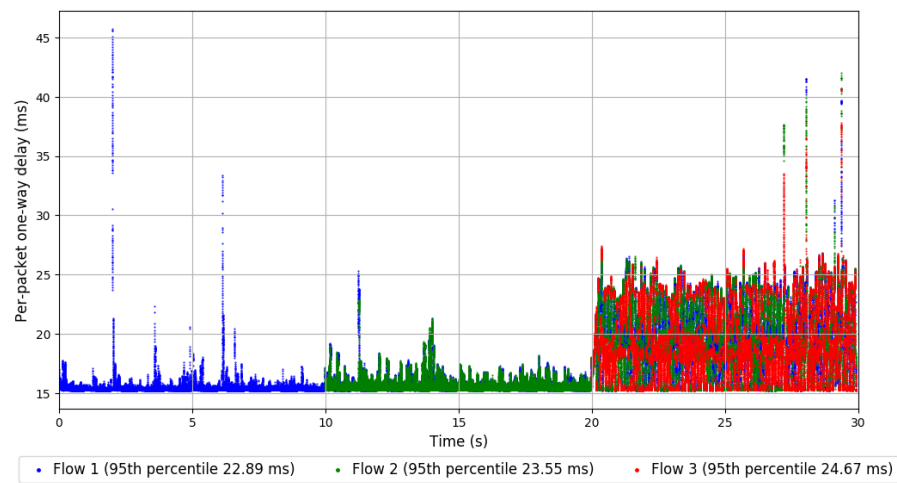
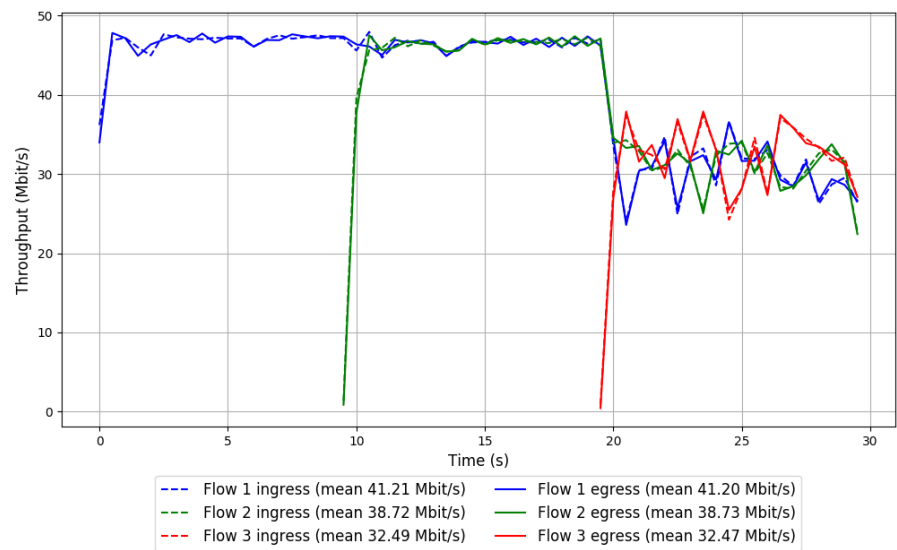
-- Flow 3:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 24.666 ms

Loss rate: 0.25%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 08:21:23 +0000

End at: Sat, 29 Jul 2017 08:21:53 +0000

Local clock offset: 1.447 ms

Remote clock offset: -5.138 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 25.161 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 24.161 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.30 Mbit/s

95th percentile per-packet one-way delay: 25.257 ms

Loss rate: 0.12%

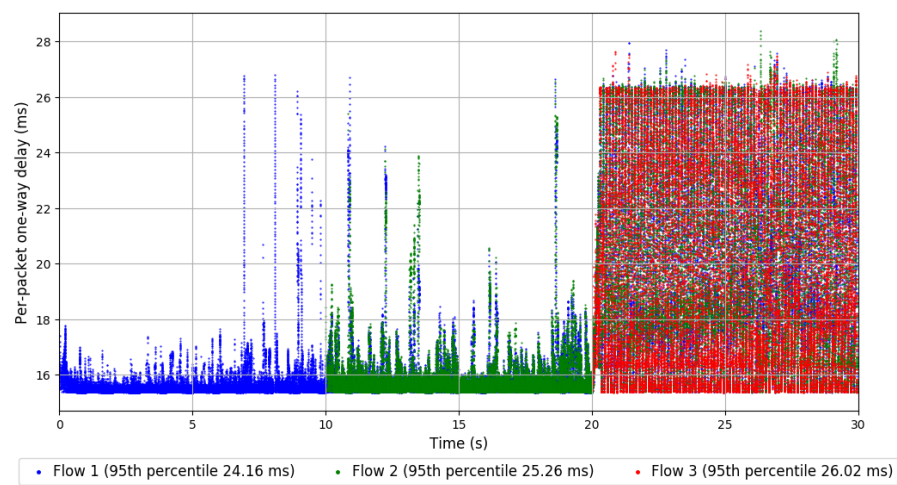
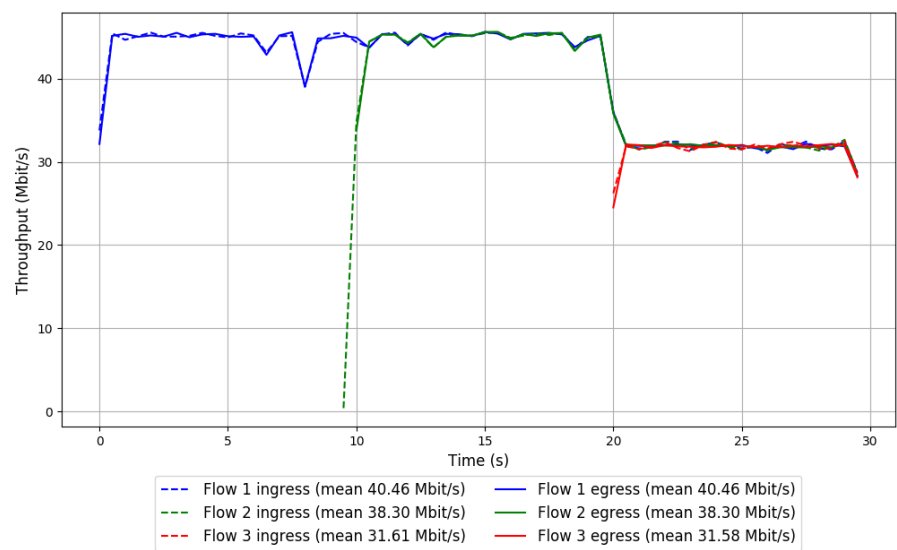
-- Flow 3:

Average throughput: 31.58 Mbit/s

95th percentile per-packet one-way delay: 26.021 ms

Loss rate: 0.28%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 08:40:39 +0000

End at: Sat, 29 Jul 2017 08:41:09 +0000

Local clock offset: 0.344 ms

Remote clock offset: -5.267 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.23 Mbit/s

95th percentile per-packet one-way delay: 22.908 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 39.23 Mbit/s

95th percentile per-packet one-way delay: 22.844 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 44.34 Mbit/s

95th percentile per-packet one-way delay: 16.289 ms

Loss rate: 0.13%

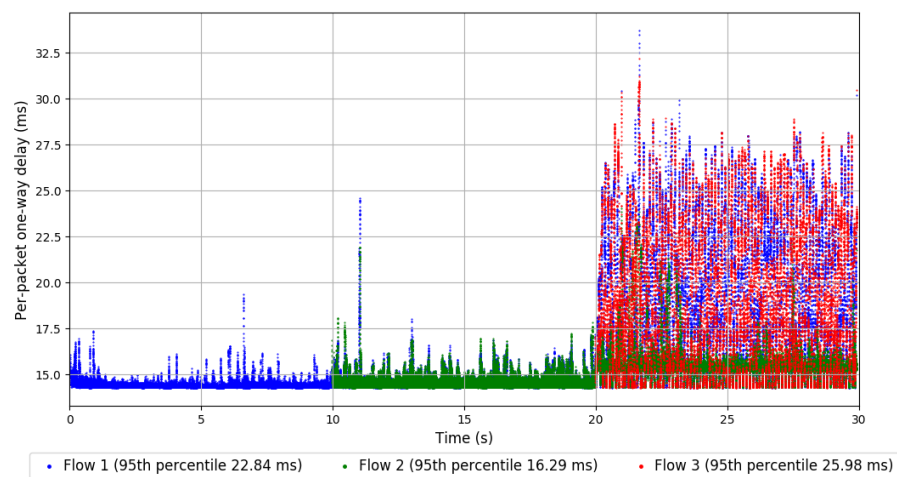
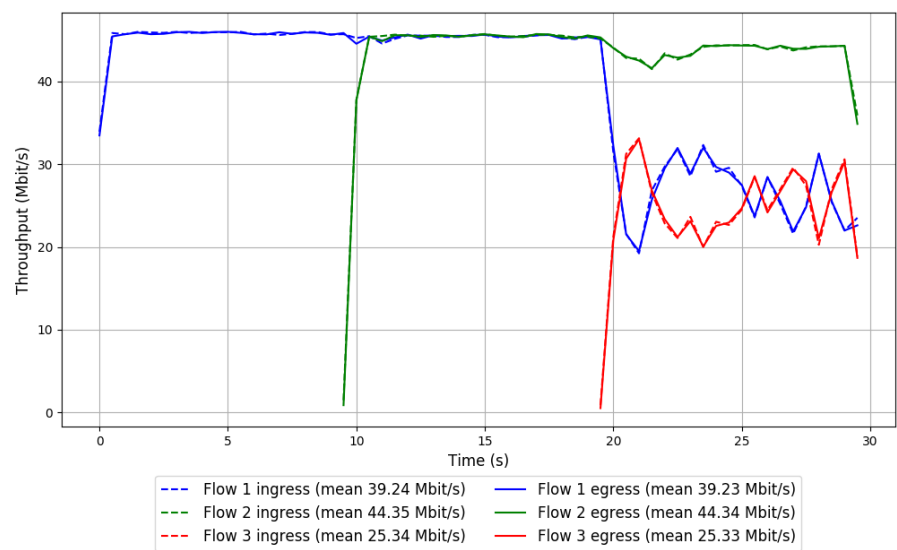
-- Flow 3:

Average throughput: 25.33 Mbit/s

95th percentile per-packet one-way delay: 25.980 ms

Loss rate: 0.25%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 08:59:59 +0000

End at: Sat, 29 Jul 2017 09:00:29 +0000

Local clock offset: 1.056 ms

Remote clock offset: -3.093 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.57 Mbit/s

95th percentile per-packet one-way delay: 21.734 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 20.891 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 38.19 Mbit/s

95th percentile per-packet one-way delay: 21.672 ms

Loss rate: 0.12%

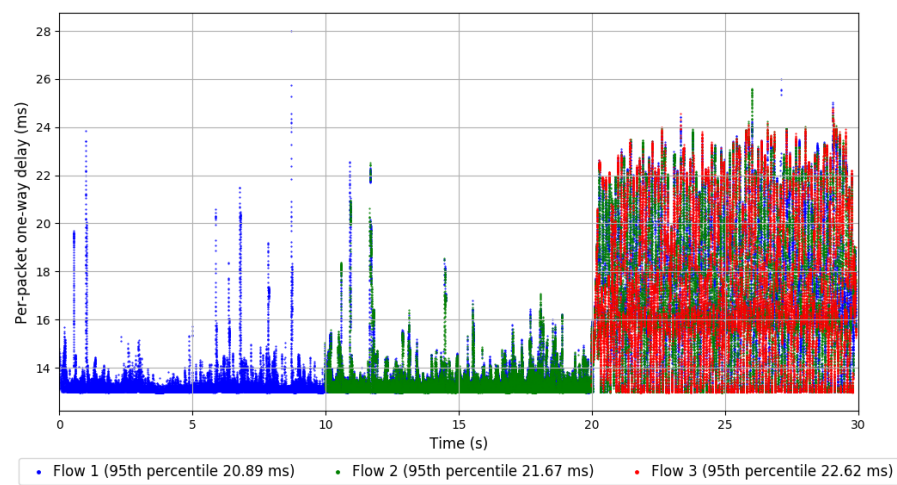
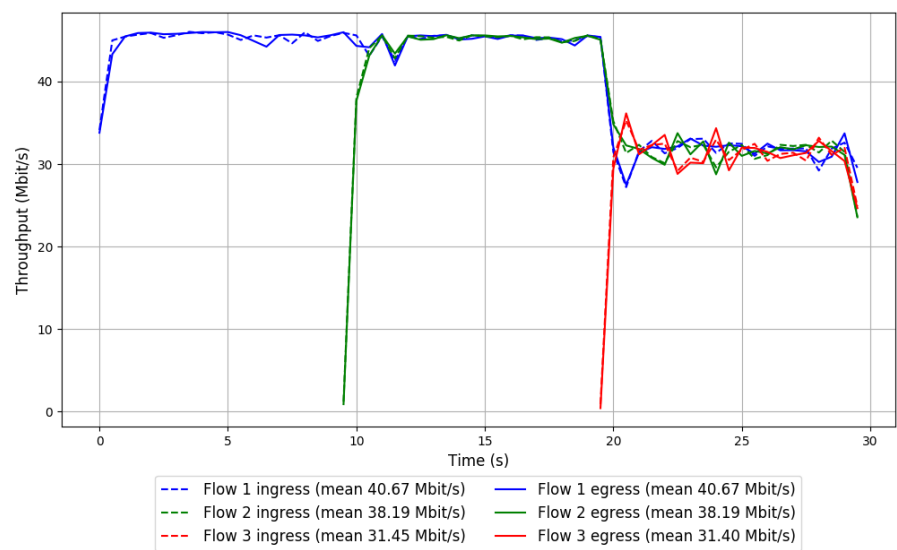
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 22.619 ms

Loss rate: 0.36%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 09:19:08 +0000

End at: Sat, 29 Jul 2017 09:19:38 +0000

Local clock offset: 0.418 ms

Remote clock offset: -4.121 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 21.983 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 21.842 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 35.80 Mbit/s

95th percentile per-packet one-way delay: 23.274 ms

Loss rate: 0.13%

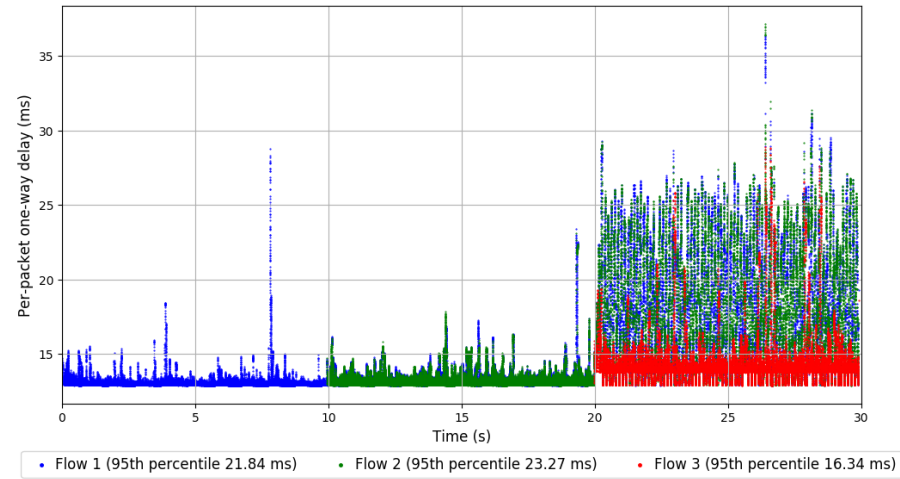
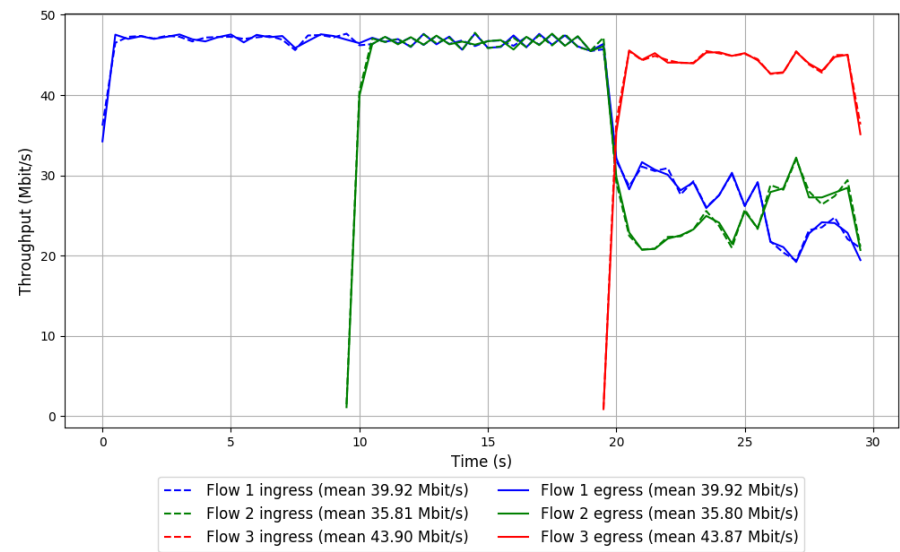
-- Flow 3:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 16.338 ms

Loss rate: 0.27%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 09:38:09 +0000

End at: Sat, 29 Jul 2017 09:38:39 +0000

Local clock offset: 2.276 ms

Remote clock offset: -3.834 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.39 Mbit/s

95th percentile per-packet one-way delay: 23.193 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 23.032 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 24.476 ms

Loss rate: 0.11%

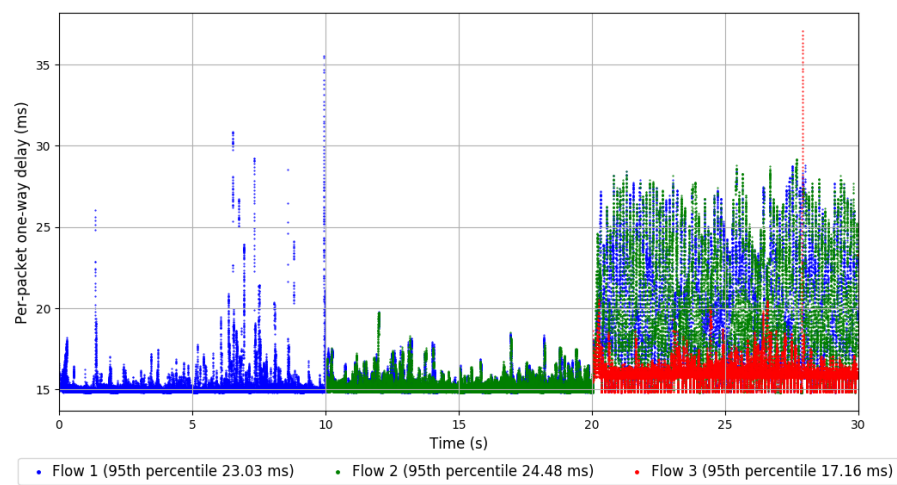
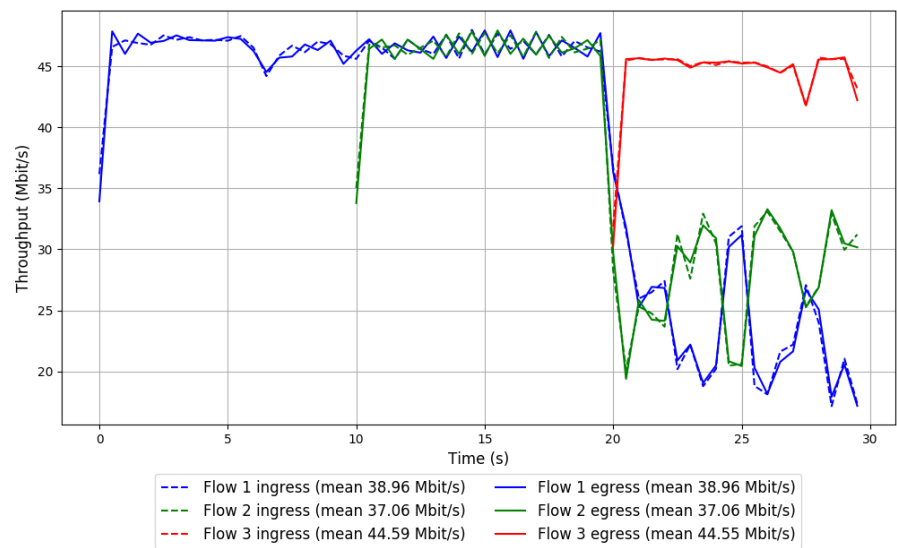
-- Flow 3:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 17.160 ms

Loss rate: 0.28%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 09:56:58 +0000

End at: Sat, 29 Jul 2017 09:57:28 +0000

Local clock offset: 2.658 ms

Remote clock offset: -3.642 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.47 Mbit/s

95th percentile per-packet one-way delay: 25.178 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 24.139 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 25.144 ms

Loss rate: 0.10%

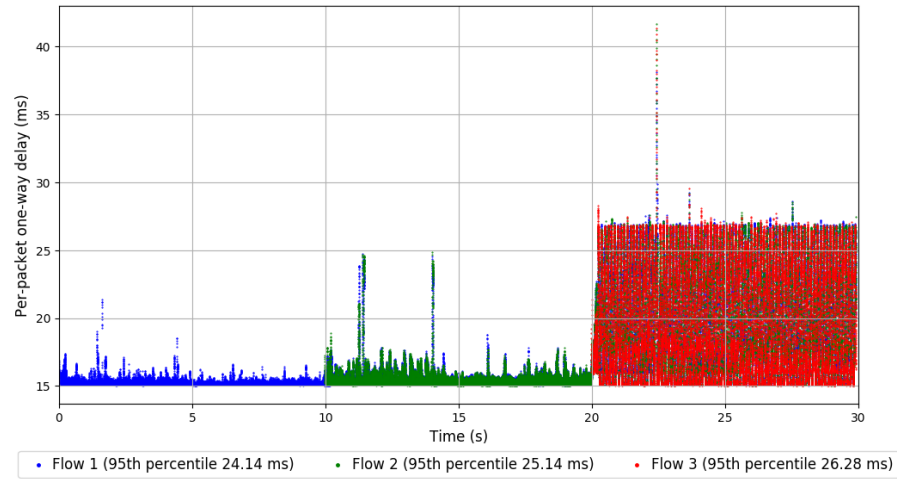
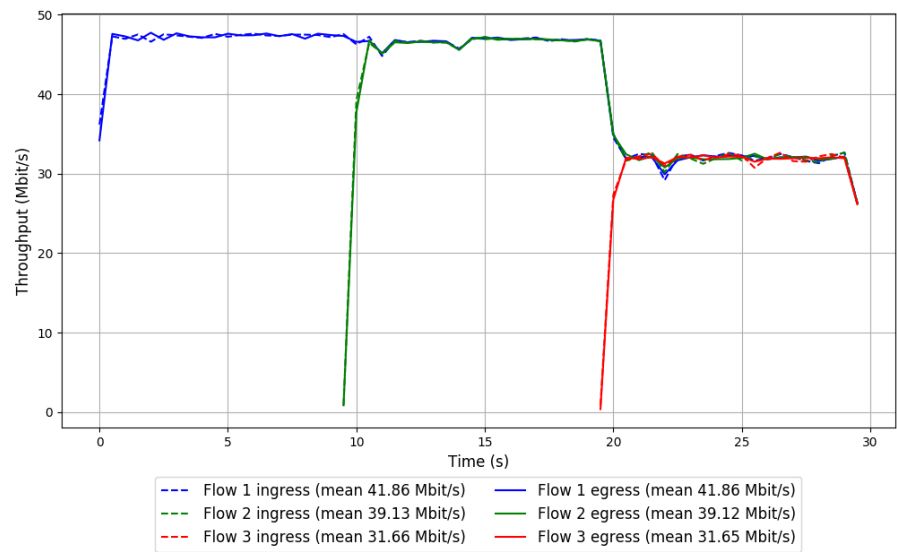
-- Flow 3:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 26.282 ms

Loss rate: 0.26%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 10:15:41 +0000

End at: Sat, 29 Jul 2017 10:16:11 +0000

Local clock offset: 3.119 ms

Remote clock offset: -4.423 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 26.243 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 41.25 Mbit/s

95th percentile per-packet one-way delay: 25.362 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 26.156 ms

Loss rate: 0.15%

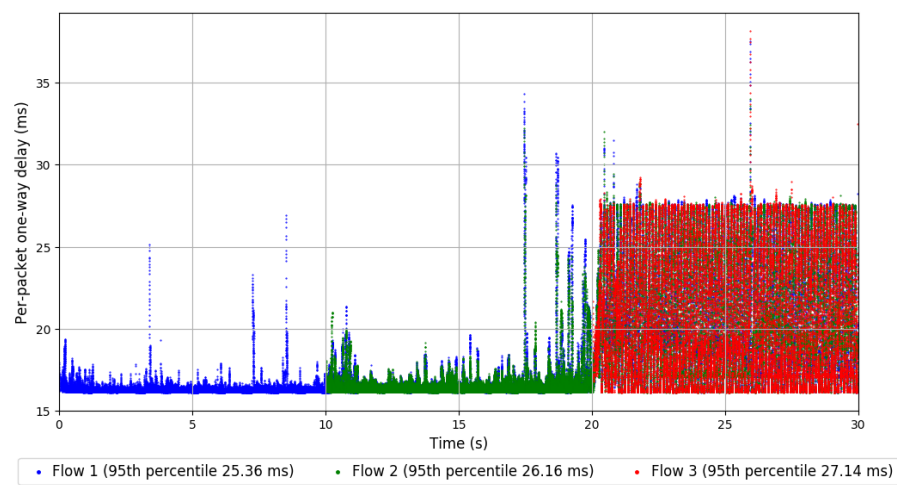
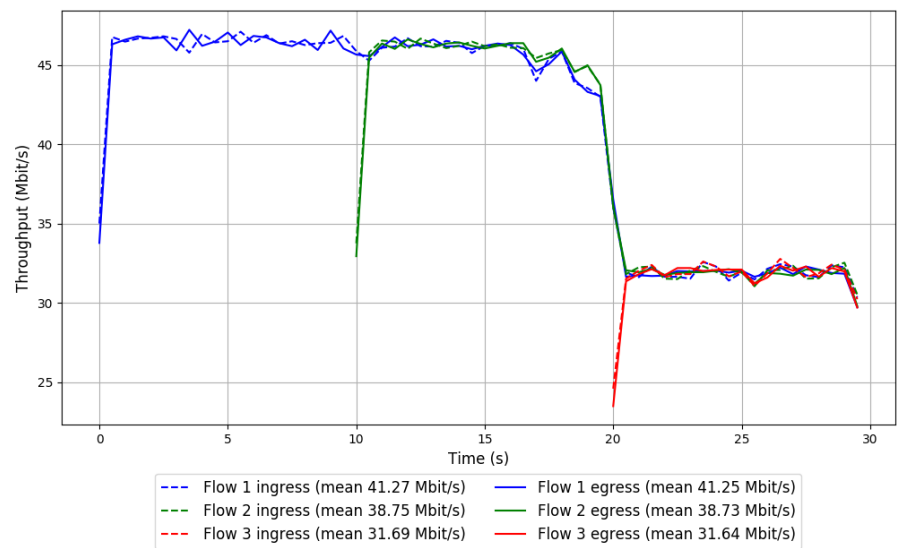
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 27.143 ms

Loss rate: 0.35%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 10:34:40 +0000

End at: Sat, 29 Jul 2017 10:35:10 +0000

Local clock offset: 0.501 ms

Remote clock offset: -4.618 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.27 Mbit/s

95th percentile per-packet one-way delay: 23.955 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 22.912 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 24.054 ms

Loss rate: 0.10%

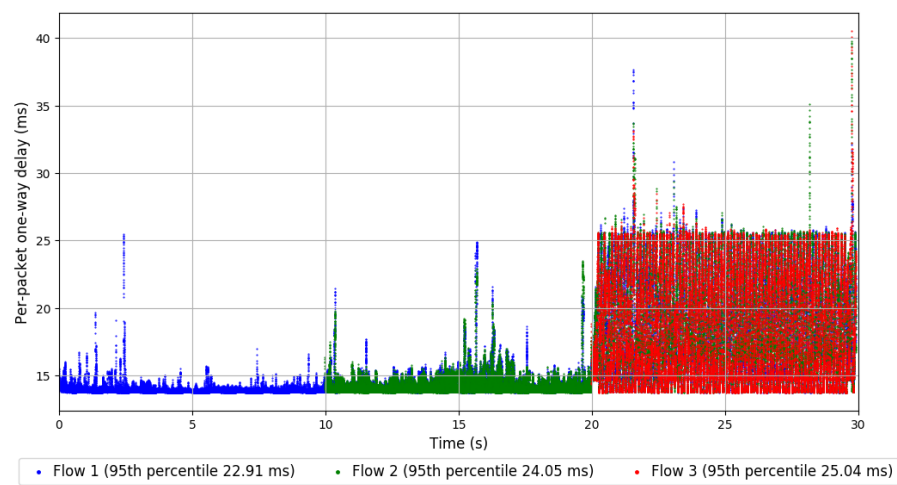
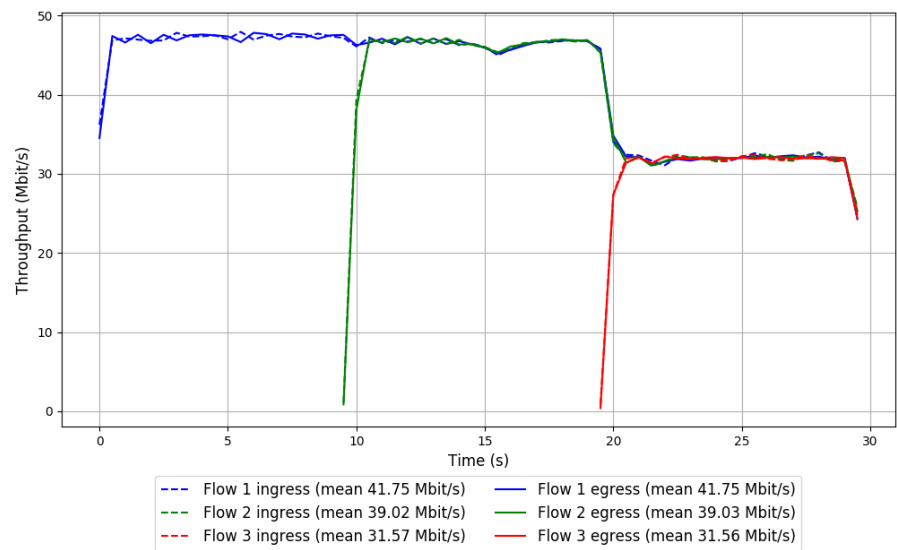
-- Flow 3:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 25.040 ms

Loss rate: 0.25%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:36:24 +0000

End at: Sat, 29 Jul 2017 07:36:54 +0000

Local clock offset: 3.106 ms

Remote clock offset: -3.561 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 47.955 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 47.879 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 48.104 ms

Loss rate: 0.54%

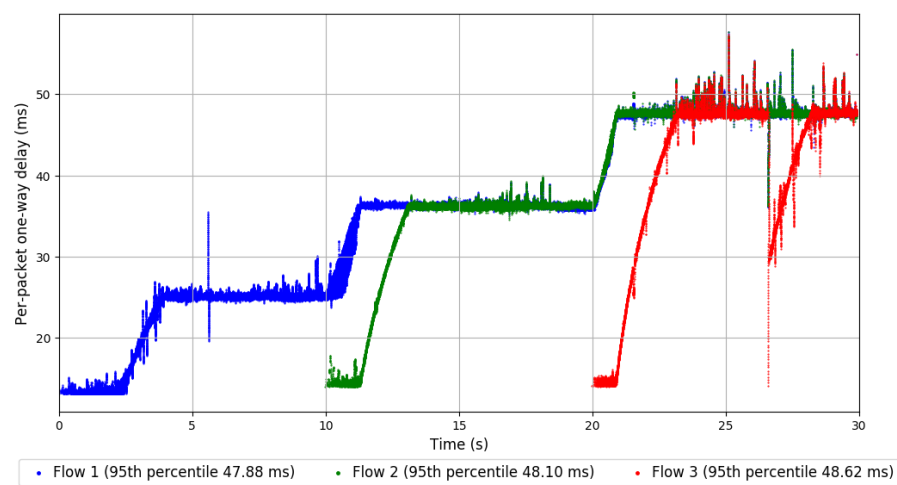
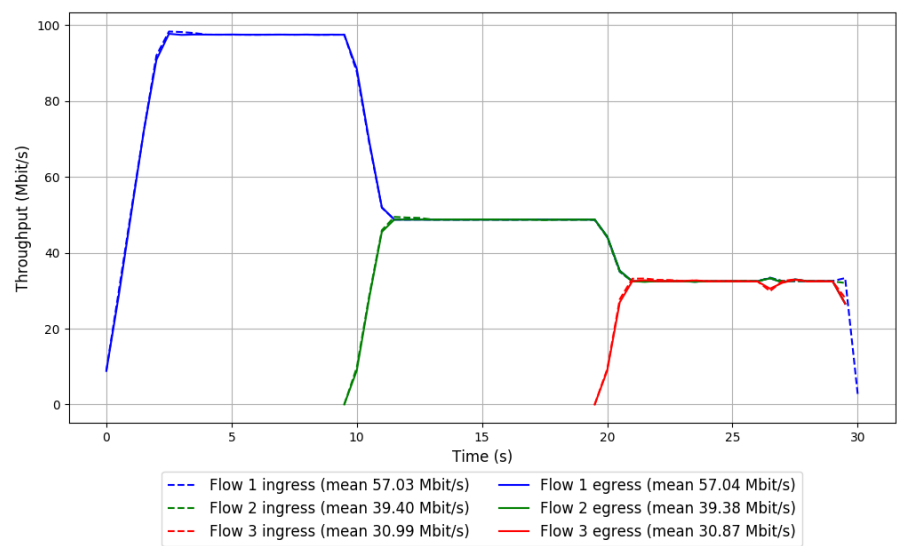
-- Flow 3:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 48.625 ms

Loss rate: 0.75%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:55:44 +0000

End at: Sat, 29 Jul 2017 07:56:14 +0000

Local clock offset: 3.288 ms

Remote clock offset: -3.524 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:34:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

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

Loss rate: 0.50%

-- Flow 1:

Average throughput: 56.68 Mbit/s

95th percentile per-packet one-way delay: 49.170 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 39.23 Mbit/s

95th percentile per-packet one-way delay: 49.429 ms

Loss rate: 0.59%

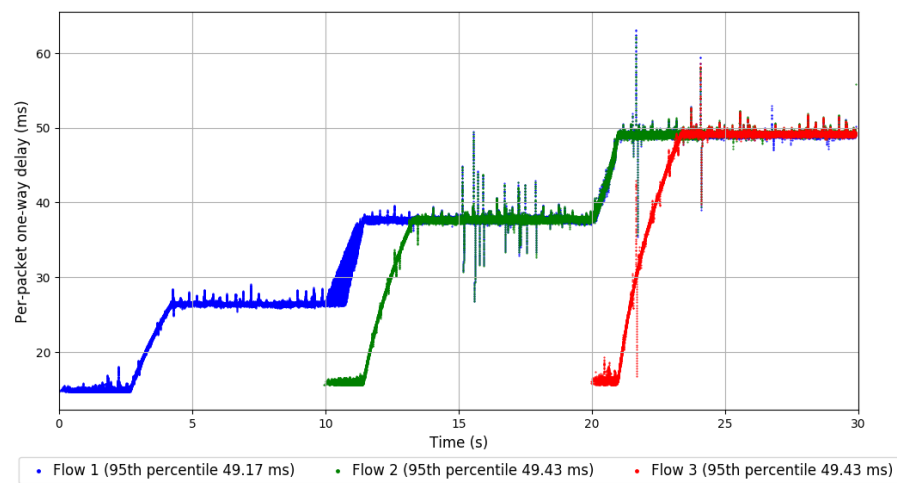
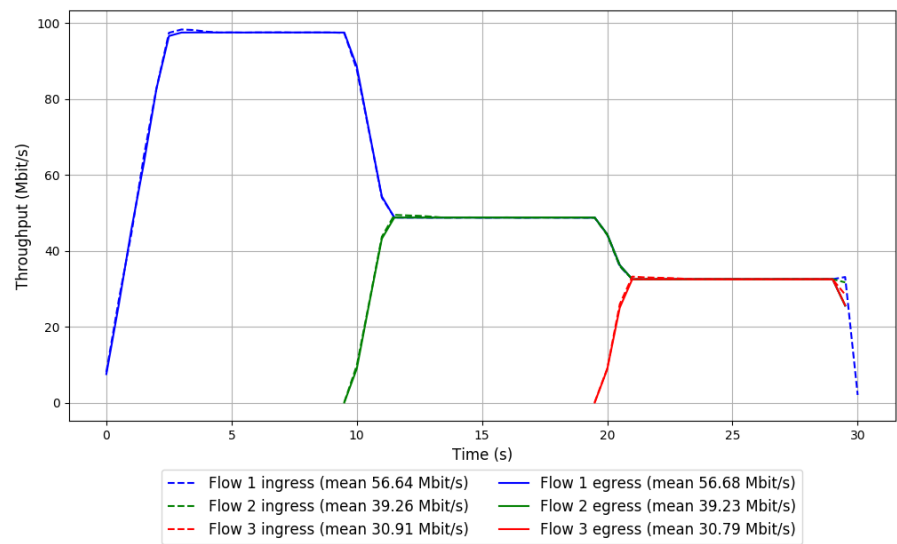
-- Flow 3:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 49.426 ms

Loss rate: 0.98%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 08:14:38 +0000

End at: Sat, 29 Jul 2017 08:15:08 +0000

Local clock offset: 3.436 ms

Remote clock offset: -5.062 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 62.676 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.01 Mbit/s

95th percentile per-packet one-way delay: 62.611 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 62.858 ms

Loss rate: 0.25%

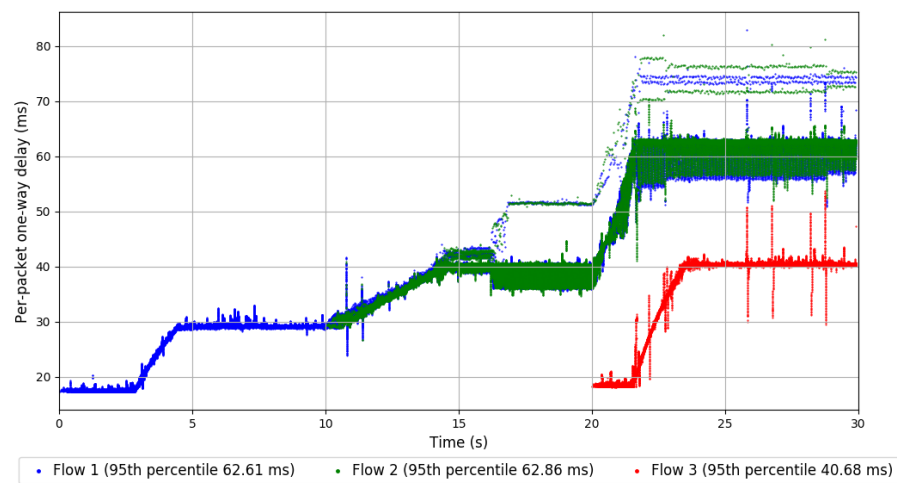
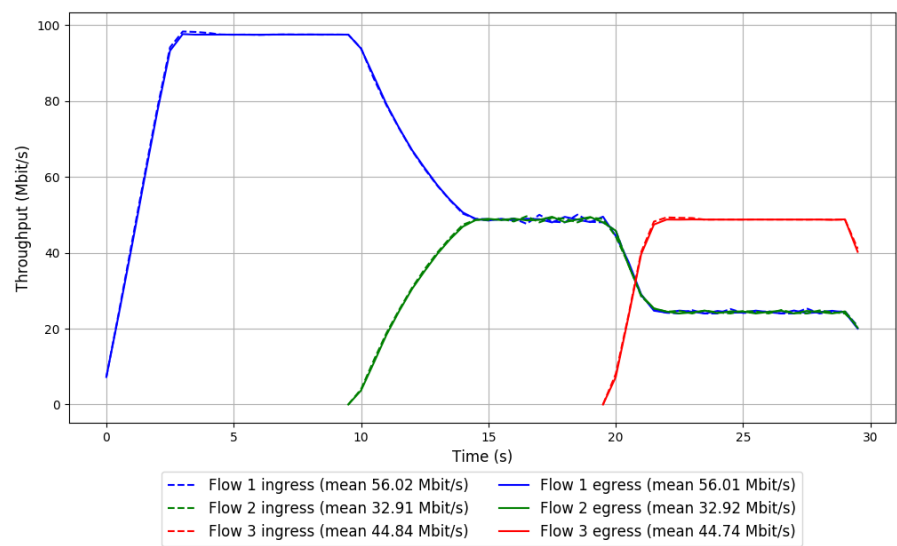
-- Flow 3:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 40.679 ms

Loss rate: 0.54%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 08:33:53 +0000

End at: Sat, 29 Jul 2017 08:34:23 +0000

Local clock offset: 0.699 ms

Remote clock offset: -5.705 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 49.846 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 49.767 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 49.889 ms

Loss rate: 0.25%

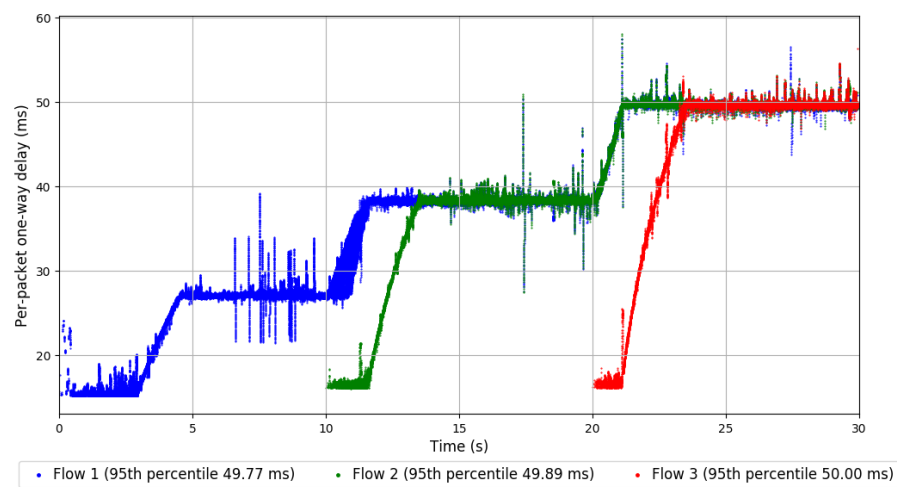
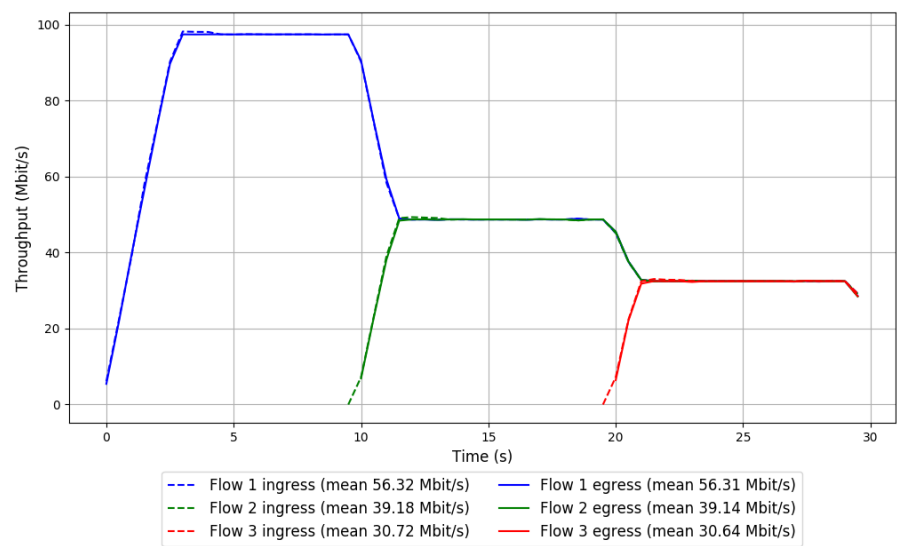
-- Flow 3:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 49.997 ms

Loss rate: 0.64%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 08:53:26 +0000

End at: Sat, 29 Jul 2017 08:53:56 +0000

Local clock offset: 1.501 ms

Remote clock offset: -4.226 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 49.195 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.47 Mbit/s

95th percentile per-packet one-way delay: 49.017 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 49.245 ms

Loss rate: 0.25%

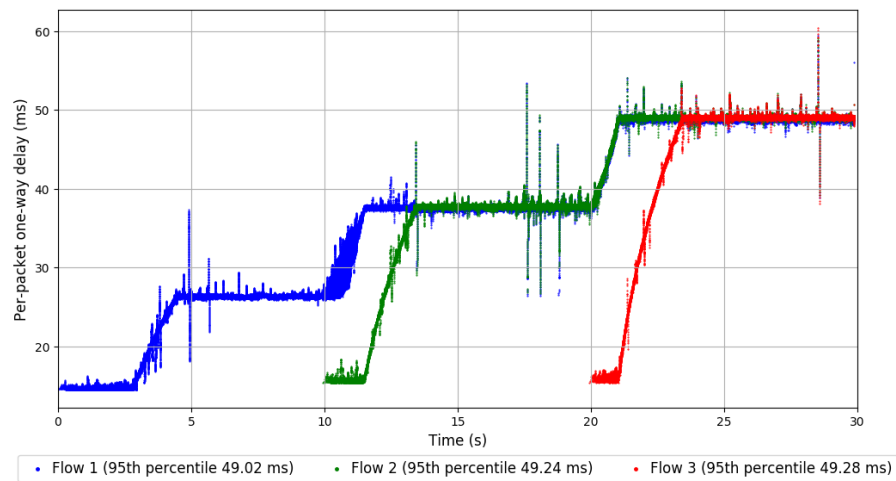
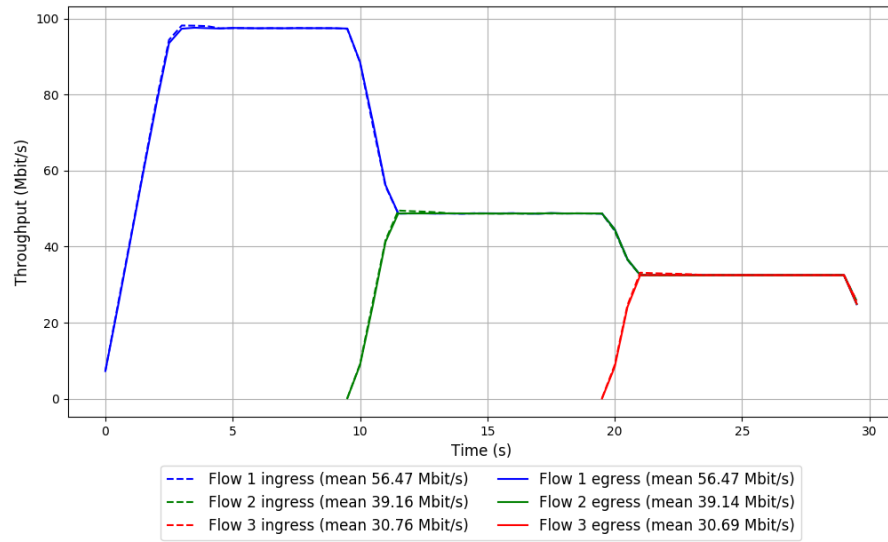
-- Flow 3:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 49.285 ms

Loss rate: 0.64%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 09:12:32 +0000

End at: Sat, 29 Jul 2017 09:13:02 +0000

Local clock offset: 2.637 ms

Remote clock offset: -3.517 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.09 Mbit/s

95th percentile per-packet one-way delay: 60.038 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.03 Mbit/s

95th percentile per-packet one-way delay: 59.976 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 33.16 Mbit/s

95th percentile per-packet one-way delay: 60.176 ms

Loss rate: 0.25%

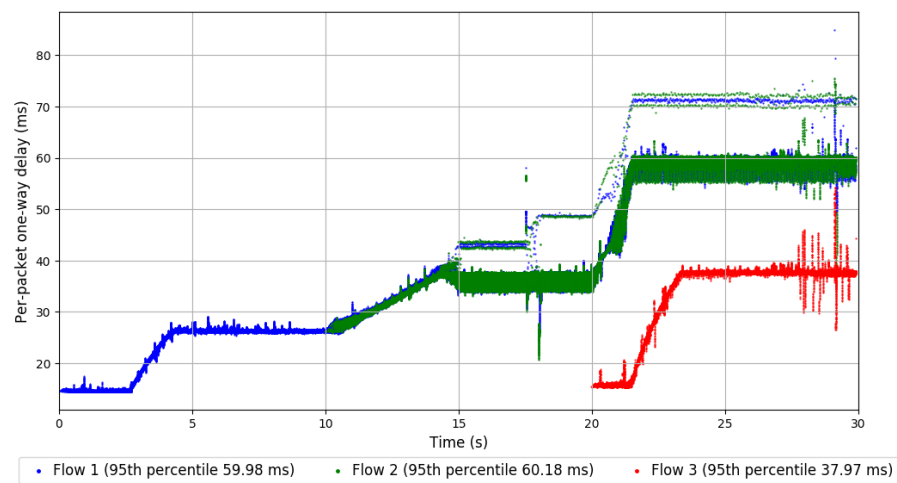
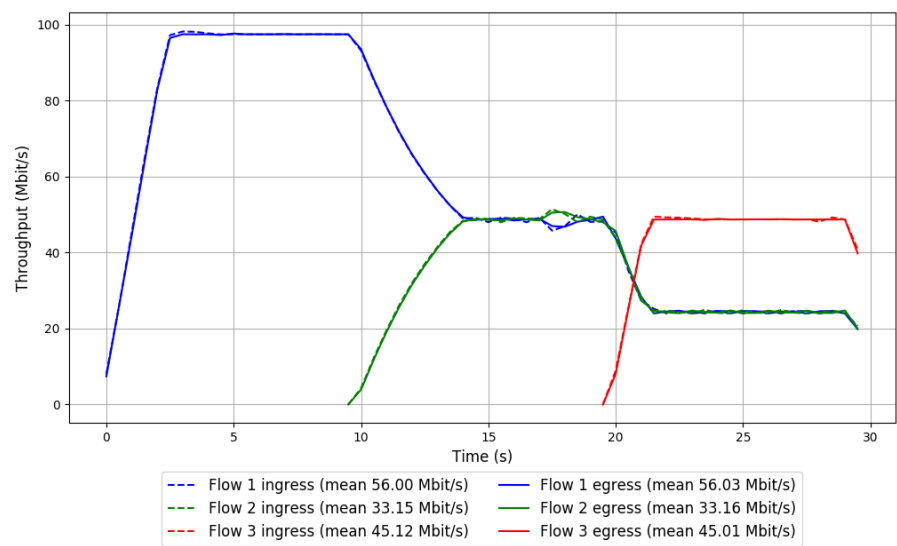
-- Flow 3:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 37.973 ms

Loss rate: 0.52%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 09:31:33 +0000

End at: Sat, 29 Jul 2017 09:32:03 +0000

Local clock offset: 1.874 ms

Remote clock offset: -3.76 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 48.983 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 48.839 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 48.915 ms

Loss rate: 0.28%

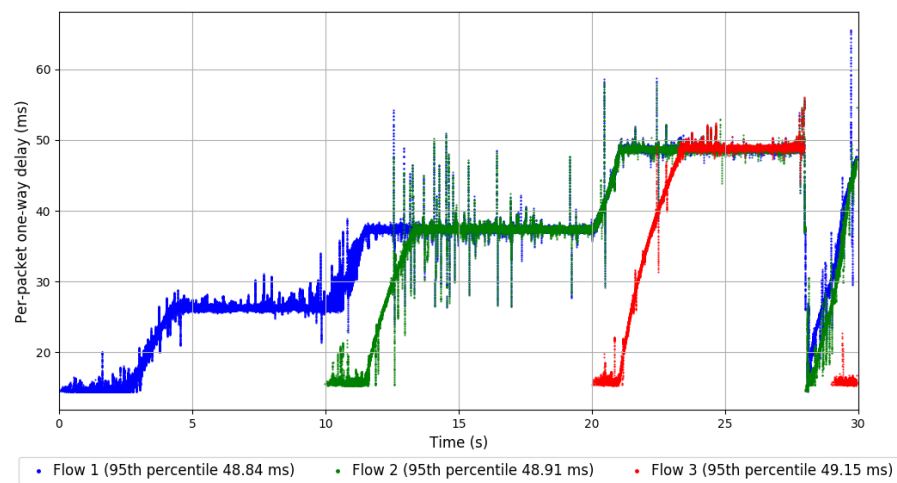
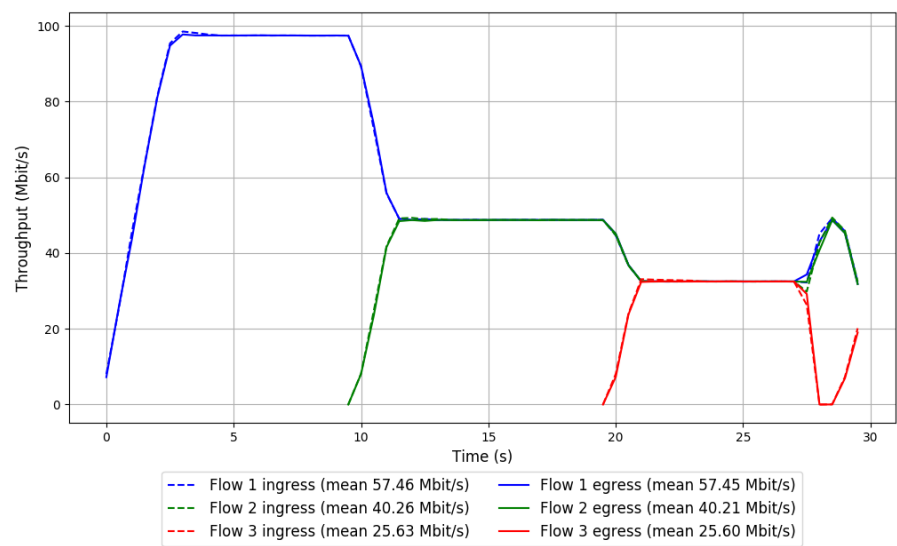
-- Flow 3:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 49.145 ms

Loss rate: 0.36%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 09:50:33 +0000

End at: Sat, 29 Jul 2017 09:51:03 +0000

Local clock offset: 0.676 ms

Remote clock offset: -3.279 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 10:09:17 +0000

End at: Sat, 29 Jul 2017 10:09:47 +0000

Local clock offset: 0.464 ms

Remote clock offset: -2.814 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 46.583 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 46.514 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.23 Mbit/s

95th percentile per-packet one-way delay: 46.649 ms

Loss rate: 0.25%

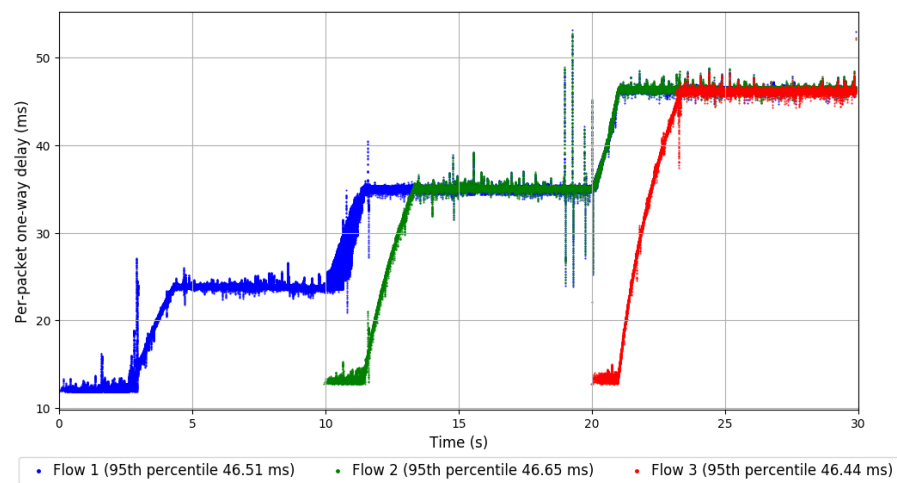
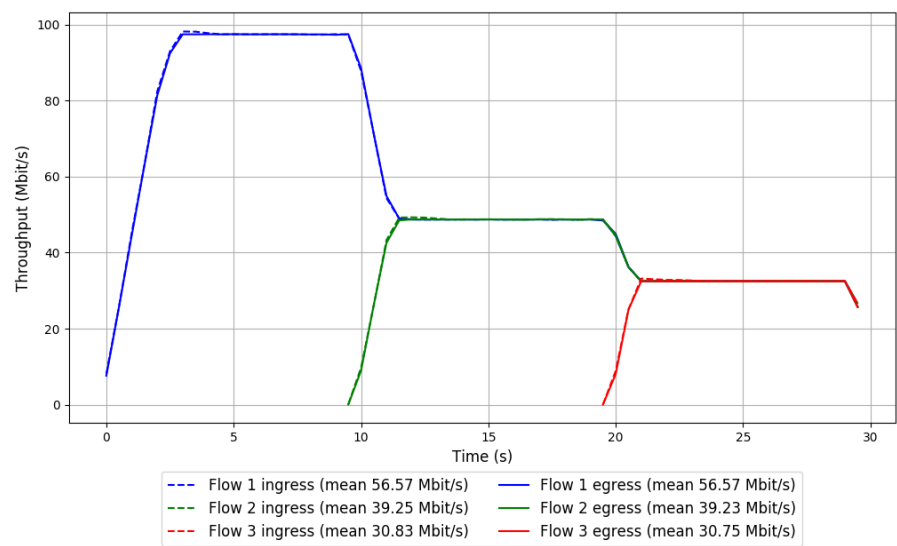
-- Flow 3:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 46.439 ms

Loss rate: 0.63%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 10:28:09 +0000

End at: Sat, 29 Jul 2017 10:28:39 +0000

Local clock offset: 3.468 ms

Remote clock offset: -5.007 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.95 Mbit/s

95th percentile per-packet one-way delay: 62.578 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 62.517 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 33.84 Mbit/s

95th percentile per-packet one-way delay: 62.733 ms

Loss rate: 0.26%

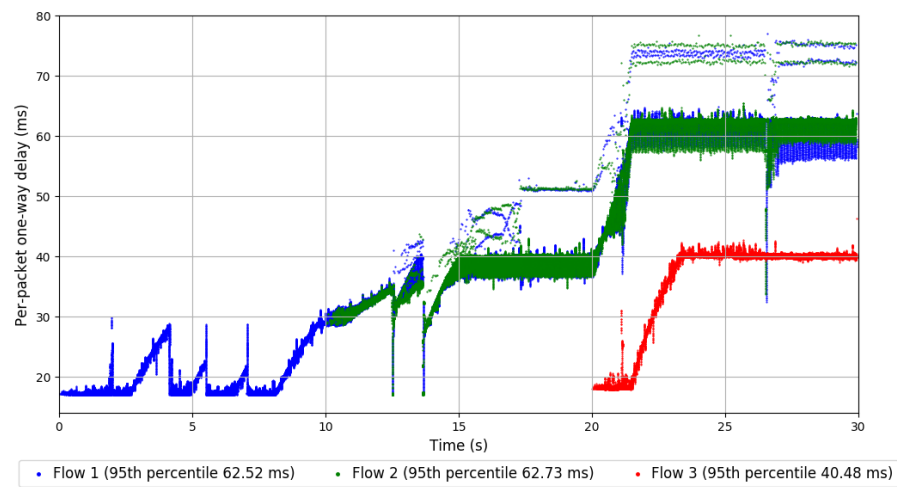
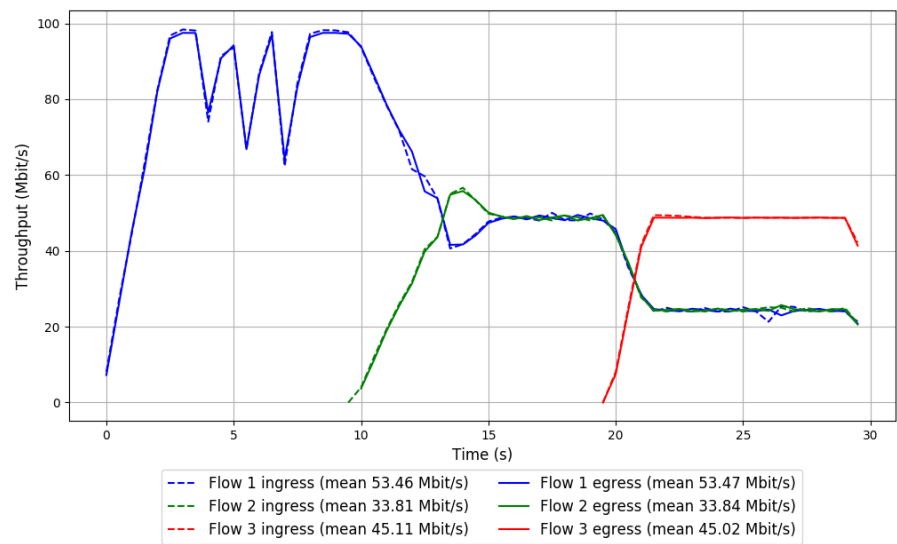
-- Flow 3:

Average throughput: 45.02 Mbit/s

95th percentile per-packet one-way delay: 40.479 ms

Loss rate: 0.52%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:49:22 +0000

End at: Sat, 29 Jul 2017 07:49:52 +0000

Local clock offset: 3.878 ms

Remote clock offset: -3.349 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 41.442 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 58.06 Mbit/s

95th percentile per-packet one-way delay: 38.480 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 42.16 Mbit/s

95th percentile per-packet one-way delay: 43.775 ms

Loss rate: 0.24%

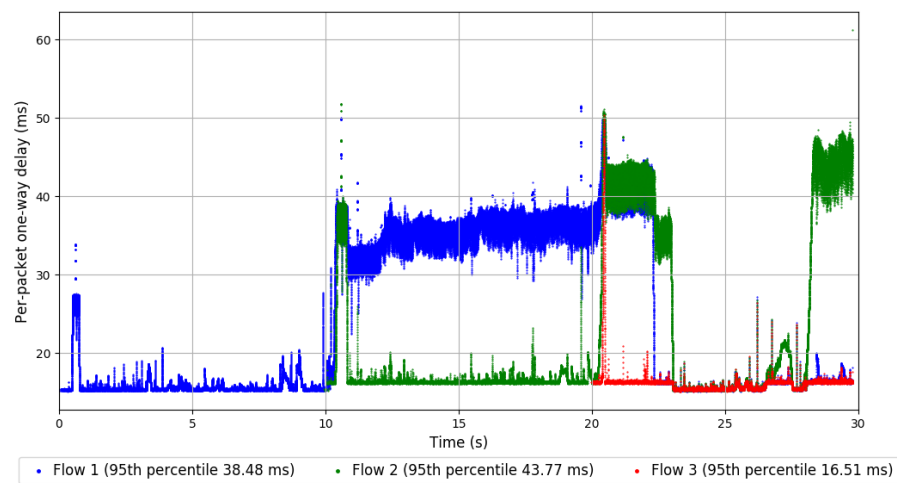
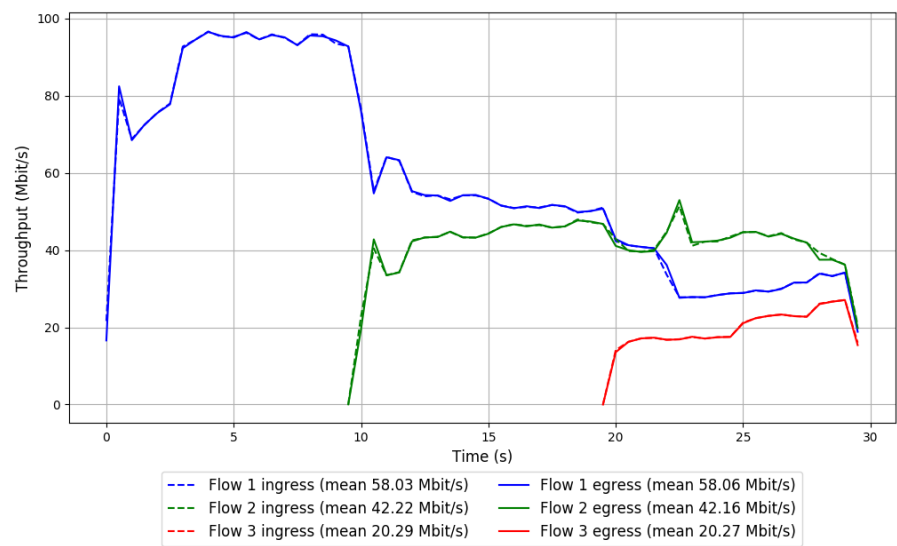
-- Flow 3:

Average throughput: 20.27 Mbit/s

95th percentile per-packet one-way delay: 16.514 ms

Loss rate: 0.39%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 29 Jul 2017 08:08:26 +0000

End at: Sat, 29 Jul 2017 08:08:56 +0000

Local clock offset: 0.595 ms

Remote clock offset: -3.669 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 29.951 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 48.00 Mbit/s

95th percentile per-packet one-way delay: 3612.750 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 29.735 ms

Loss rate: 0.09%

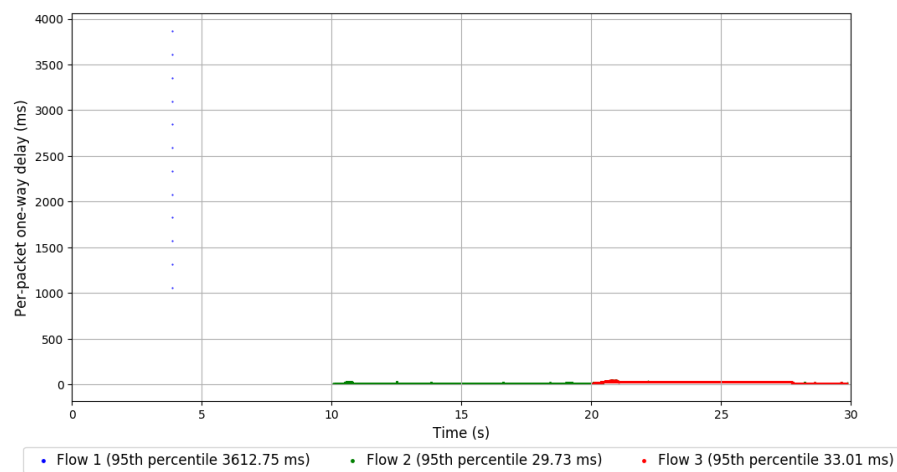
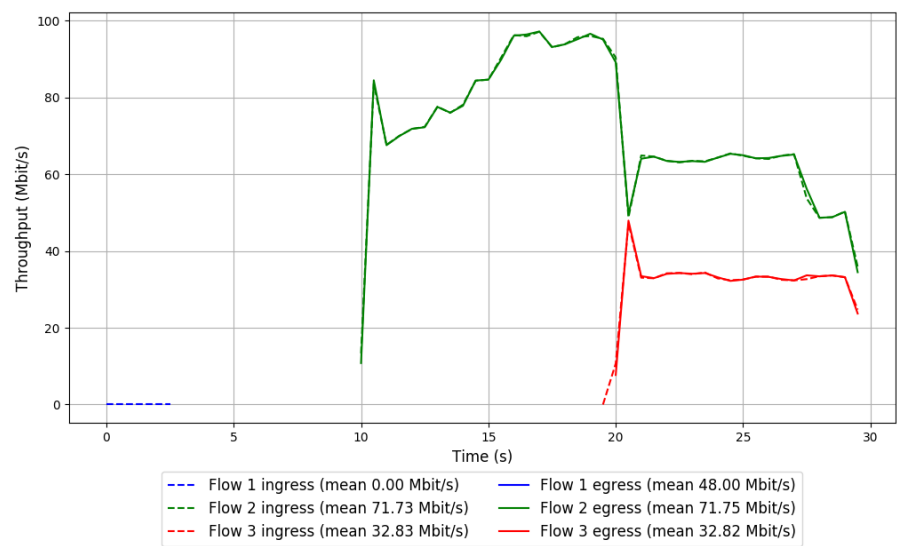
-- Flow 3:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 33.008 ms

Loss rate: 0.28%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 29 Jul 2017 08:27:35 +0000

End at: Sat, 29 Jul 2017 08:28:05 +0000

Local clock offset: 2.707 ms

Remote clock offset: -4.708 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:35:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 37.531 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 59.97 Mbit/s

95th percentile per-packet one-way delay: 37.742 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 43.15 Mbit/s

95th percentile per-packet one-way delay: 30.945 ms

Loss rate: 0.12%

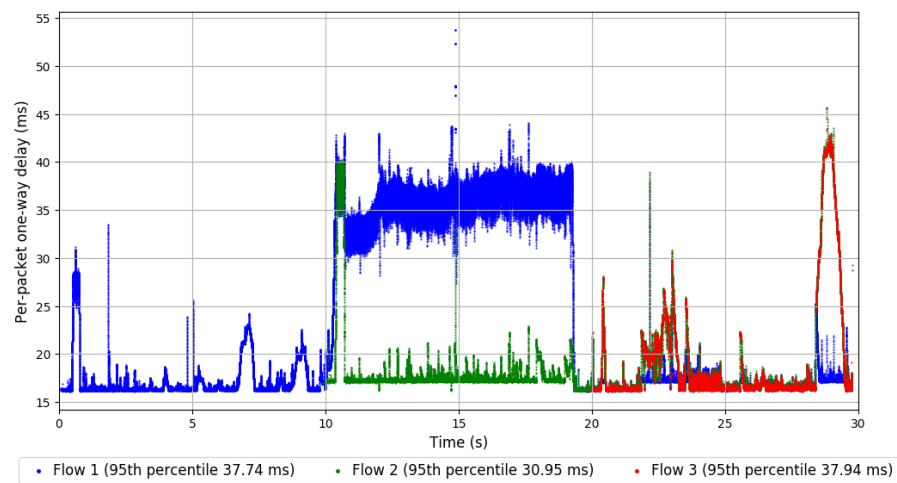
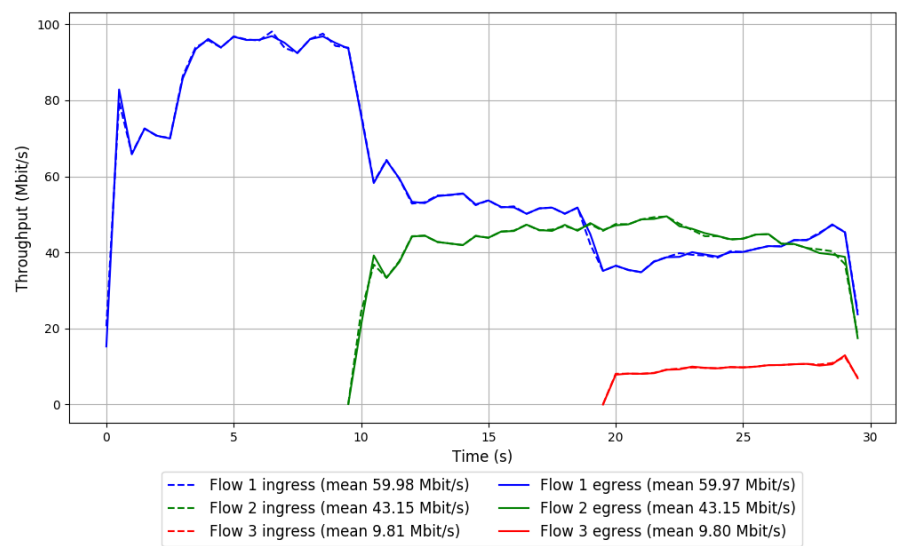
-- Flow 3:

Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 37.944 ms

Loss rate: 0.37%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 29 Jul 2017 08:47:05 +0000

End at: Sat, 29 Jul 2017 08:47:35 +0000

Local clock offset: 4.079 ms

Remote clock offset: -6.136 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.51 Mbit/s

95th percentile per-packet one-way delay: 52.756 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 57.70 Mbit/s

95th percentile per-packet one-way delay: 51.943 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 35.41 Mbit/s

95th percentile per-packet one-way delay: 52.765 ms

Loss rate: 0.30%

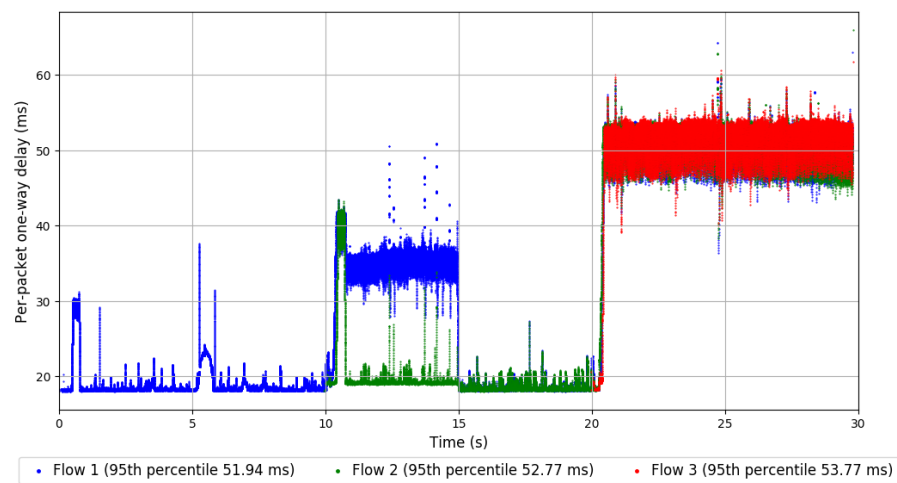
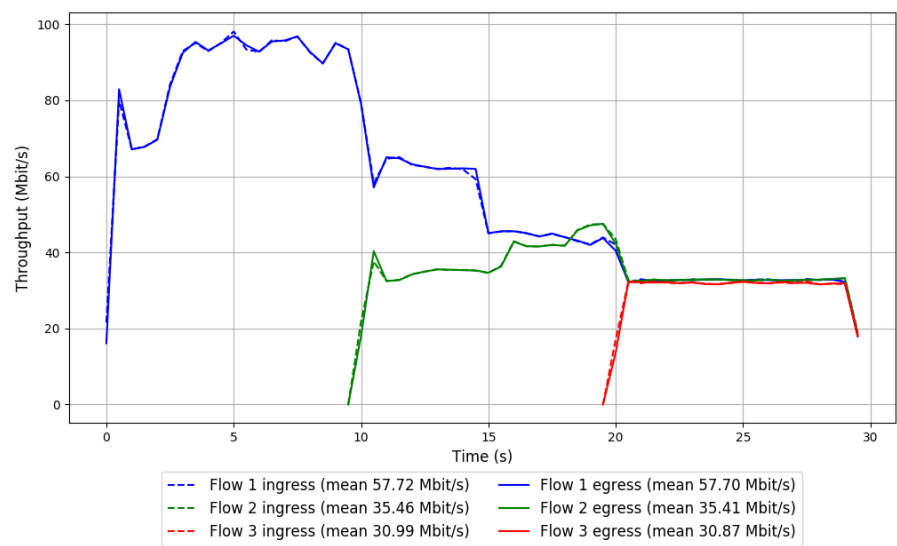
-- Flow 3:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 0.67%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 29 Jul 2017 09:06:16 +0000

End at: Sat, 29 Jul 2017 09:06:46 +0000

Local clock offset: 4.115 ms

Remote clock offset: -3.731 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 49.999 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 59.31 Mbit/s

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

Loss rate: 0.04%

-- Flow 2:

Average throughput: 36.50 Mbit/s

95th percentile per-packet one-way delay: 50.250 ms

Loss rate: 0.13%

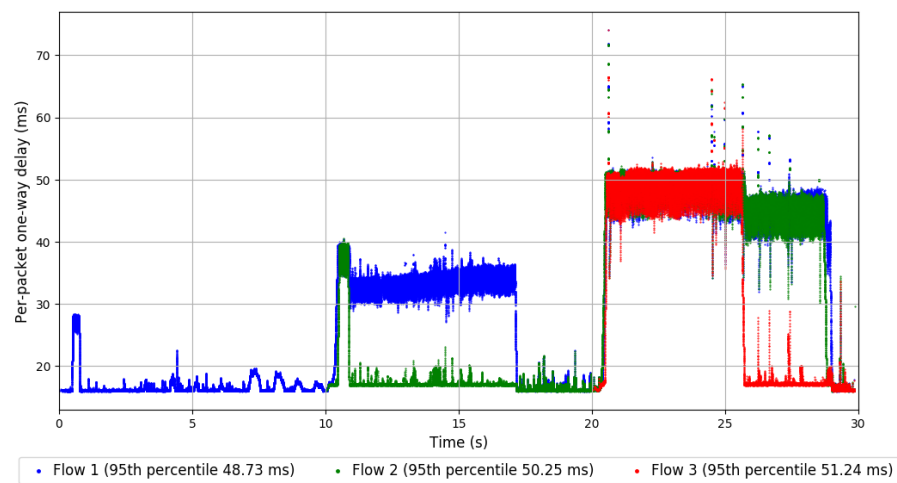
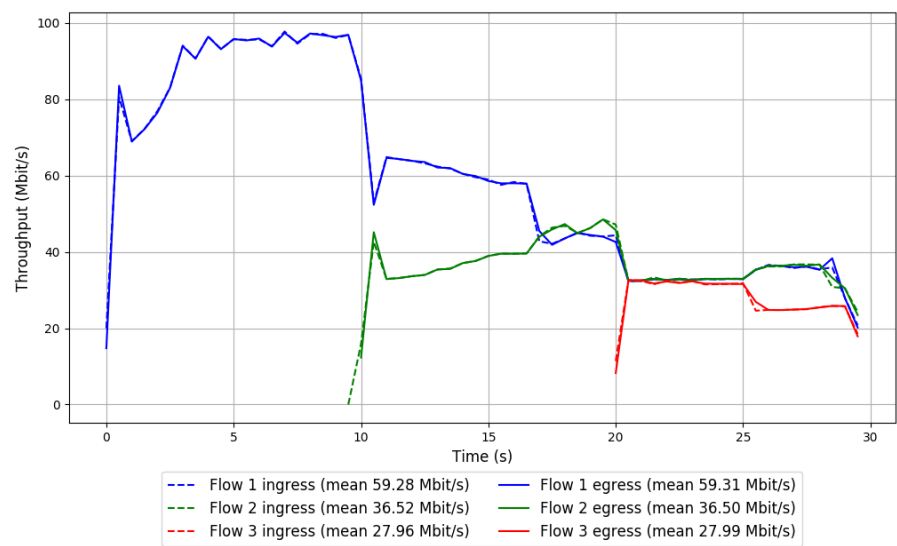
-- Flow 3:

Average throughput: 27.99 Mbit/s

95th percentile per-packet one-way delay: 51.237 ms

Loss rate: 0.26%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 29 Jul 2017 09:25:21 +0000

End at: Sat, 29 Jul 2017 09:25:51 +0000

Local clock offset: 1.938 ms

Remote clock offset: -3.792 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.04 Mbit/s

95th percentile per-packet one-way delay: 40.444 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 42.310 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 45.02 Mbit/s

95th percentile per-packet one-way delay: 37.067 ms

Loss rate: 0.27%

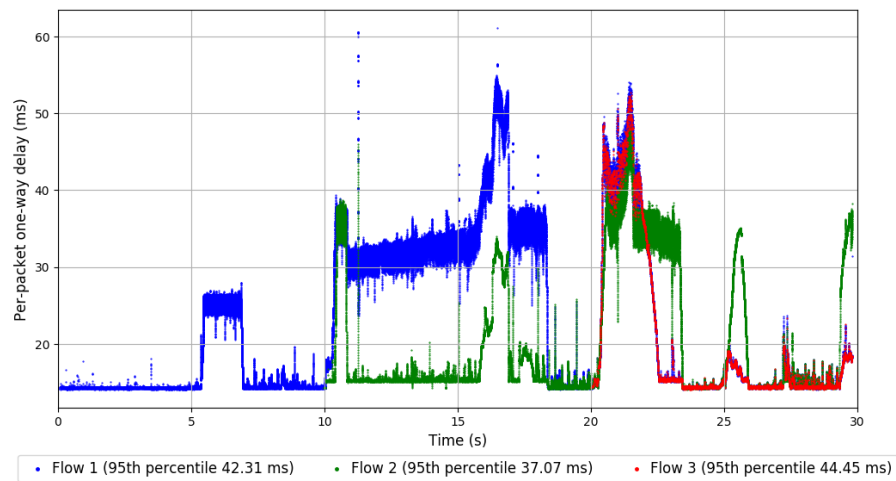
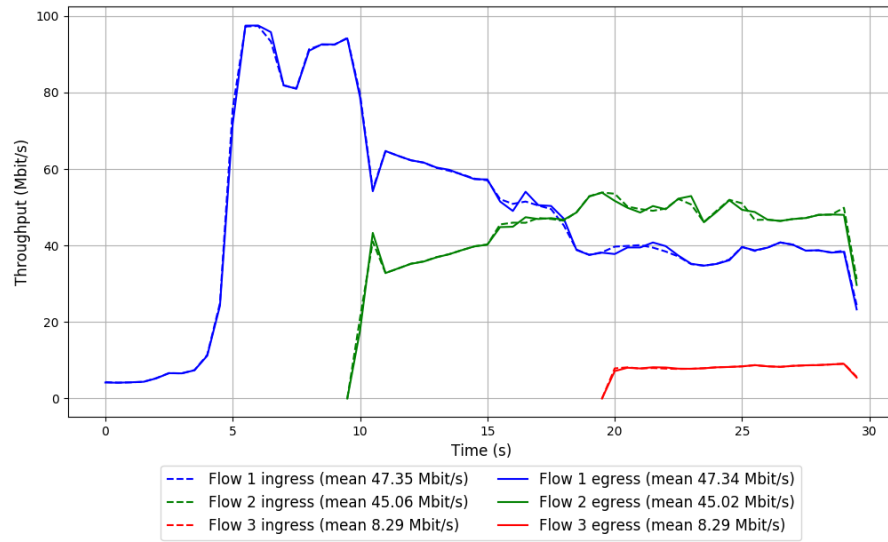
-- Flow 3:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 44.448 ms

Loss rate: 0.34%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 29 Jul 2017 09:44:21 +0000

End at: Sat, 29 Jul 2017 09:44:51 +0000

Local clock offset: 2.785 ms

Remote clock offset: -3.641 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.72 Mbit/s

95th percentile per-packet one-way delay: 37.261 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 72.02 Mbit/s

95th percentile per-packet one-way delay: 36.888 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 40.695 ms

Loss rate: 0.18%

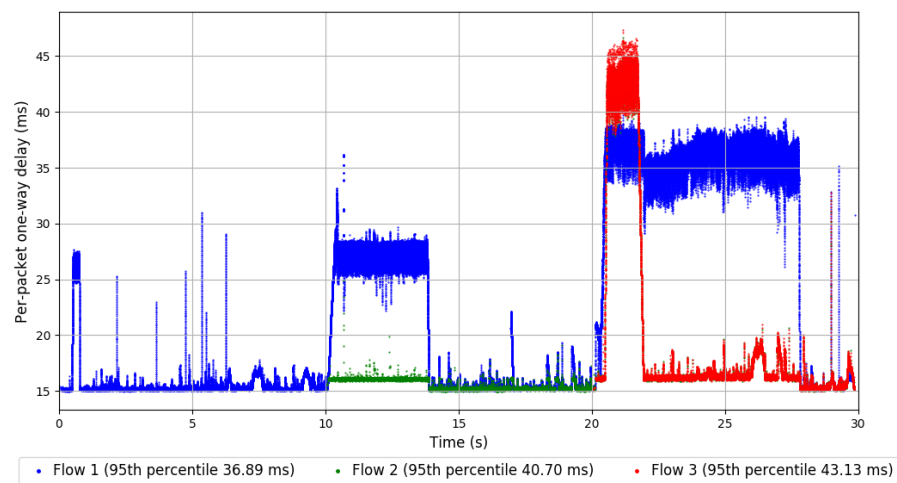
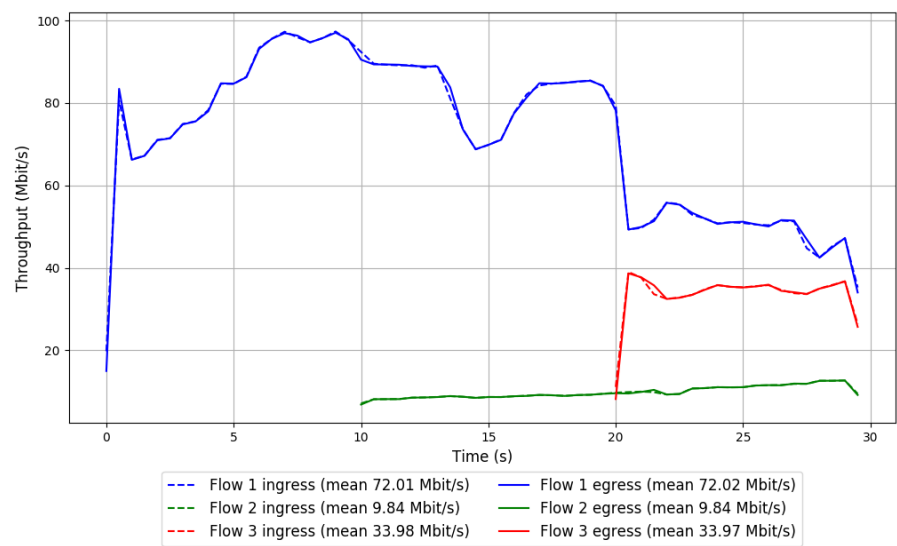
-- Flow 3:

Average throughput: 33.97 Mbit/s

95th percentile per-packet one-way delay: 43.127 ms

Loss rate: 0.28%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 29 Jul 2017 10:03:04 +0000

End at: Sat, 29 Jul 2017 10:03:34 +0000

Local clock offset: 0.719 ms

Remote clock offset: -3.012 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 33.052 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 33.074 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 34.477 ms

Loss rate: 0.20%

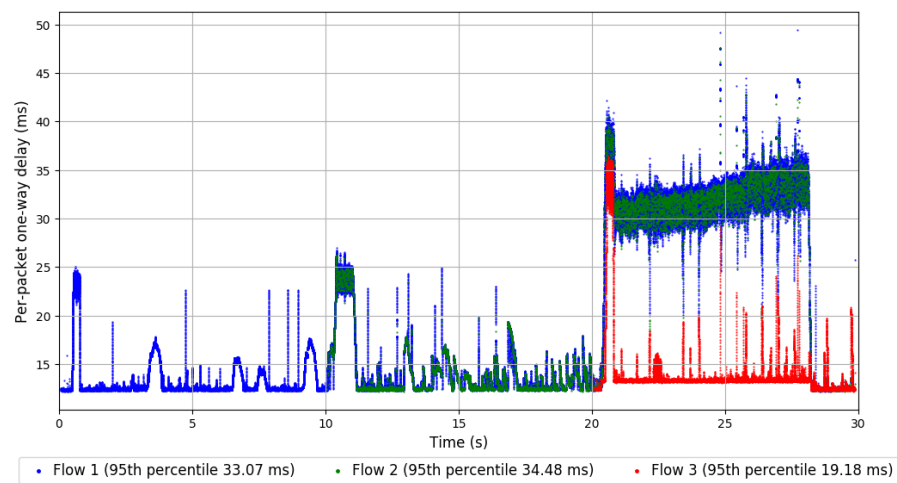
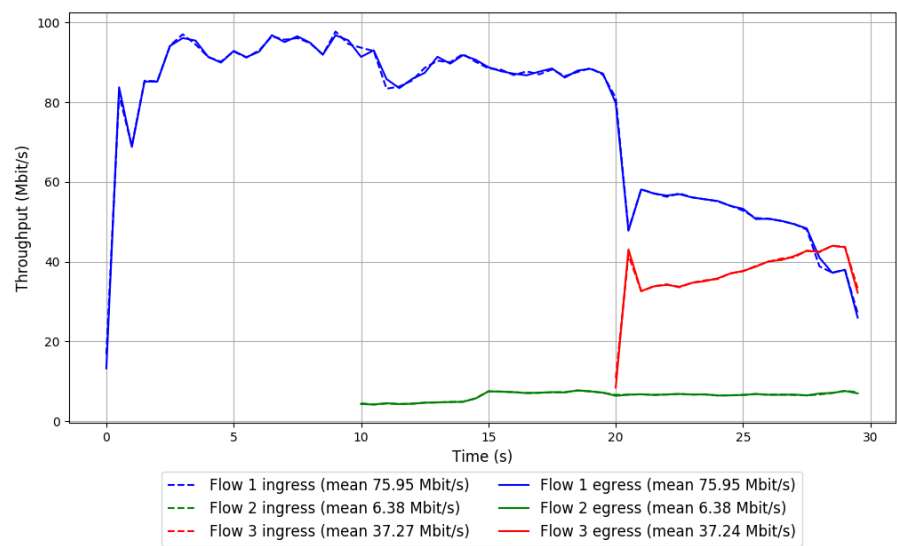
-- Flow 3:

Average throughput: 37.24 Mbit/s

95th percentile per-packet one-way delay: 19.185 ms

Loss rate: 0.31%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 29 Jul 2017 10:21:55 +0000

End at: Sat, 29 Jul 2017 10:22:25 +0000

Local clock offset: 2.159 ms

Remote clock offset: -4.622 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 49.008 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 47.732 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.82 Mbit/s

95th percentile per-packet one-way delay: 49.224 ms

Loss rate: 0.11%

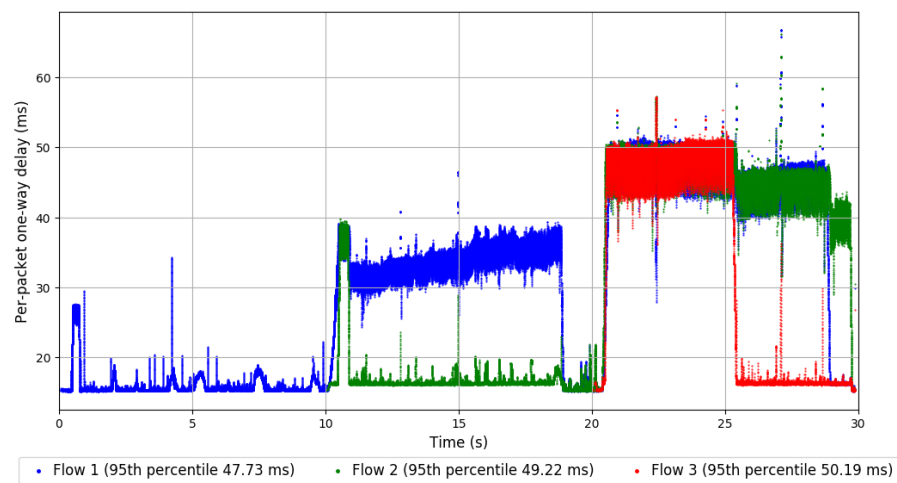
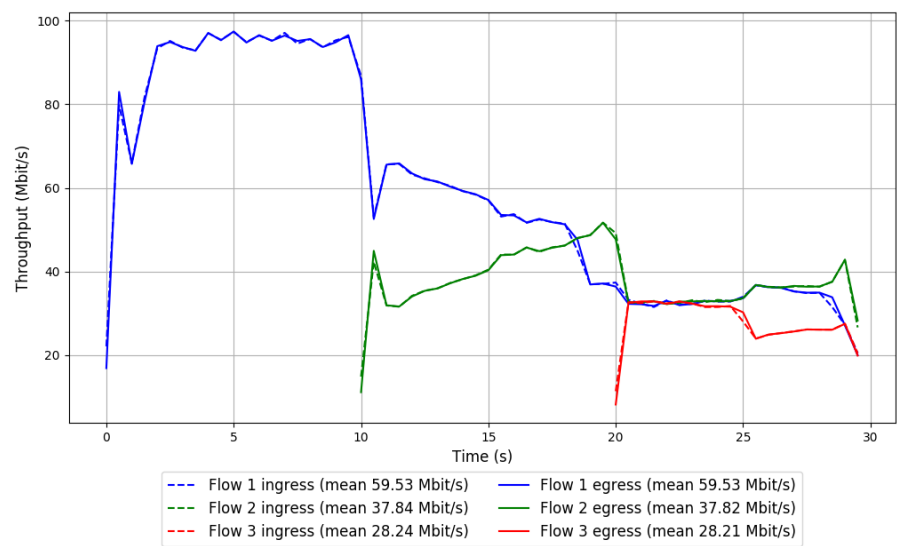
-- Flow 3:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 50.192 ms

Loss rate: 0.26%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 29 Jul 2017 10:40:47 +0000

End at: Sat, 29 Jul 2017 10:41:18 +0000

Local clock offset: 1.095 ms

Remote clock offset: -3.892 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 44.076 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 59.94 Mbit/s

95th percentile per-packet one-way delay: 43.687 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 44.778 ms

Loss rate: 0.26%

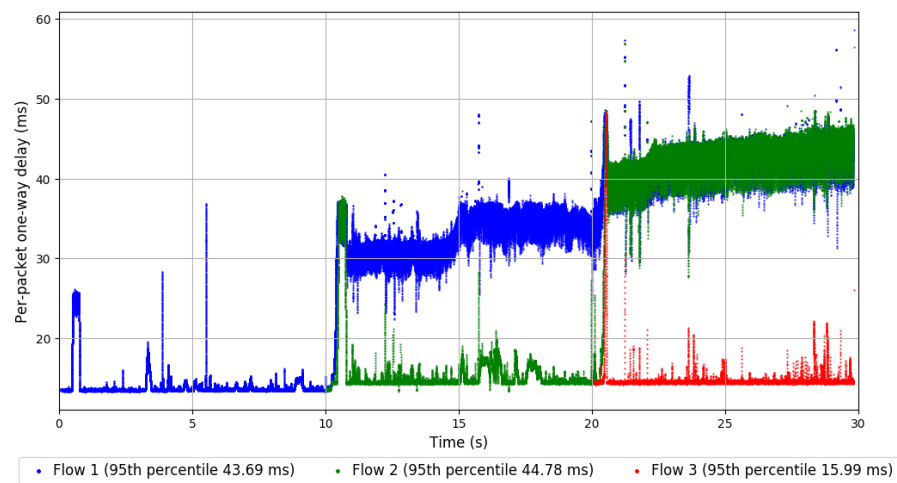
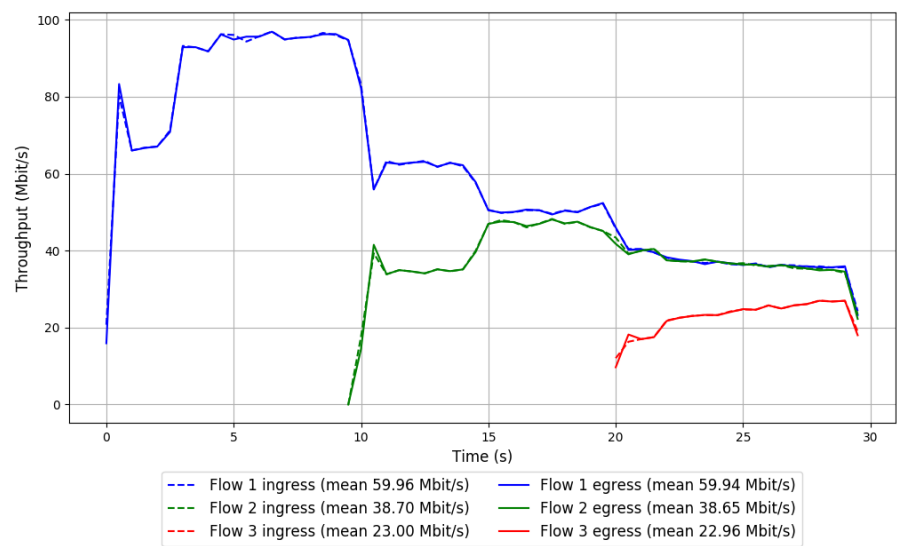
-- Flow 3:

Average throughput: 22.96 Mbit/s

95th percentile per-packet one-way delay: 15.989 ms

Loss rate: 0.39%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 07:37:48 +0000

End at: Sat, 29 Jul 2017 07:38:18 +0000

Local clock offset: 2.966 ms

Remote clock offset: -3.409 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.07 Mbit/s

95th percentile per-packet one-way delay: 35.258 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 12.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 35.151 ms

Loss rate: 0.18%

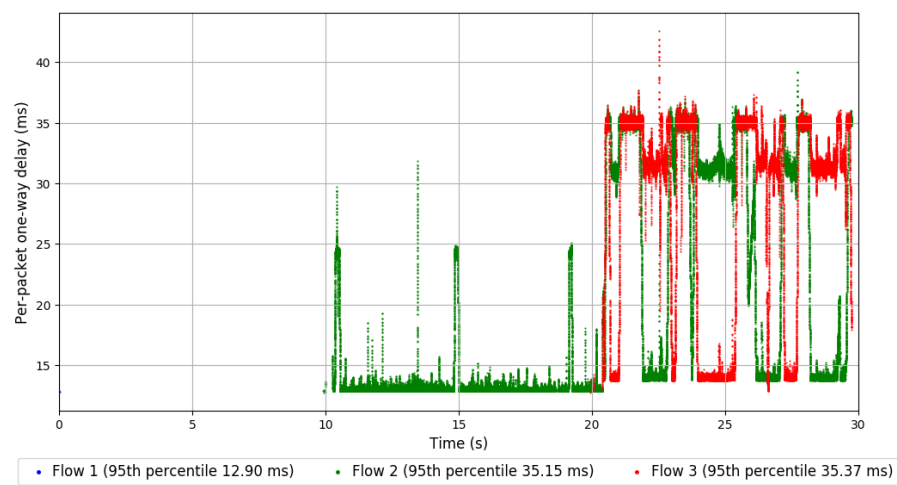
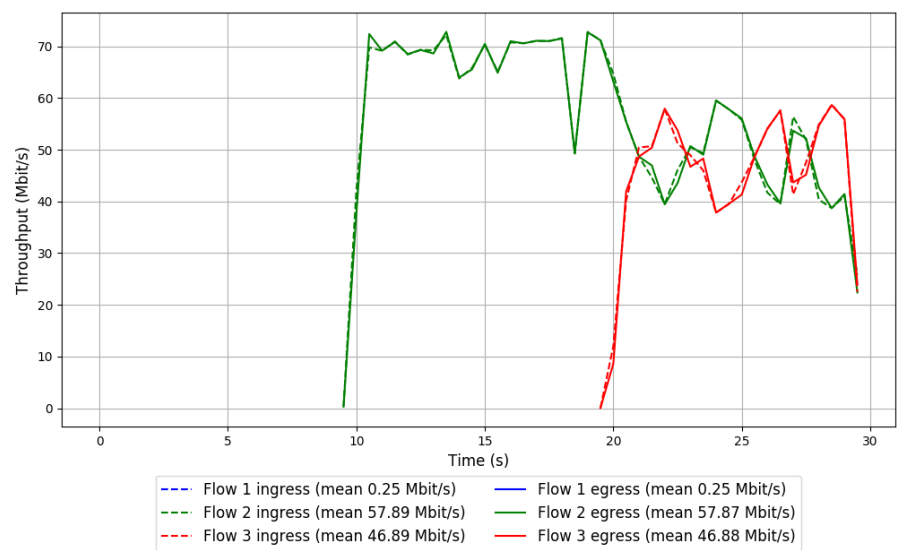
-- Flow 3:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 35.365 ms

Loss rate: 0.24%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 07:57:06 +0000

End at: Sat, 29 Jul 2017 07:57:36 +0000

Local clock offset: 5.421 ms

Remote clock offset: -4.679 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: 40.451 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 18.116 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 40.381 ms

Loss rate: 0.08%

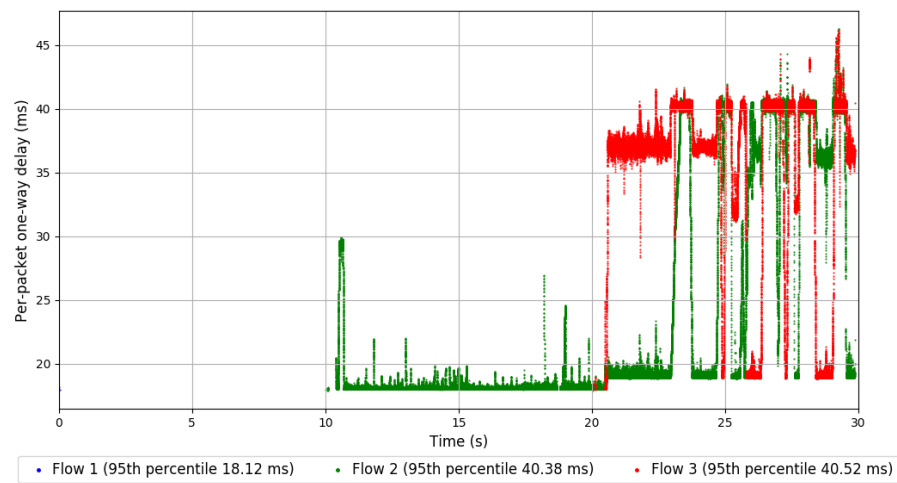
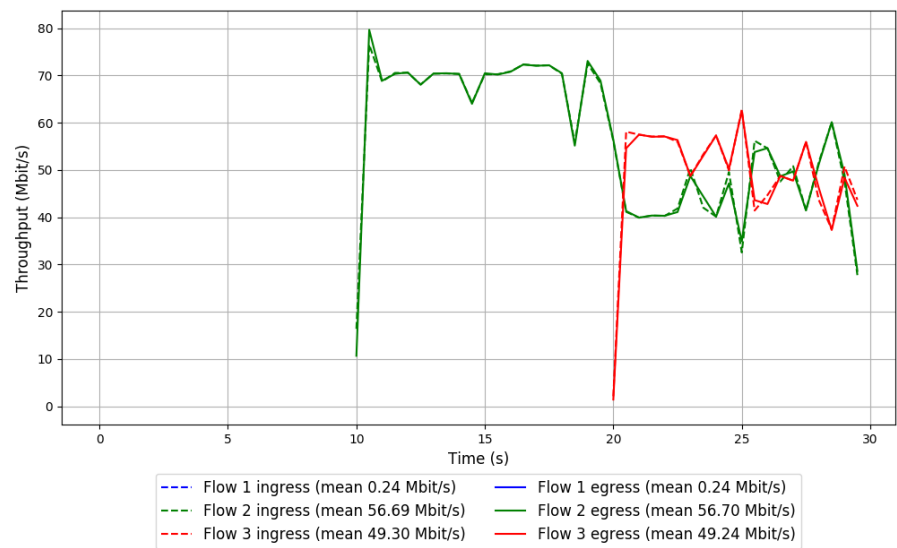
-- Flow 3:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 40.518 ms

Loss rate: 0.53%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 08:16:03 +0000

End at: Sat, 29 Jul 2017 08:16:33 +0000

Local clock offset: -1.885 ms

Remote clock offset: -10.576 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.11 Mbit/s

95th percentile per-packet one-way delay: 39.957 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 17.496 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.32 Mbit/s

95th percentile per-packet one-way delay: 39.950 ms

Loss rate: 0.08%

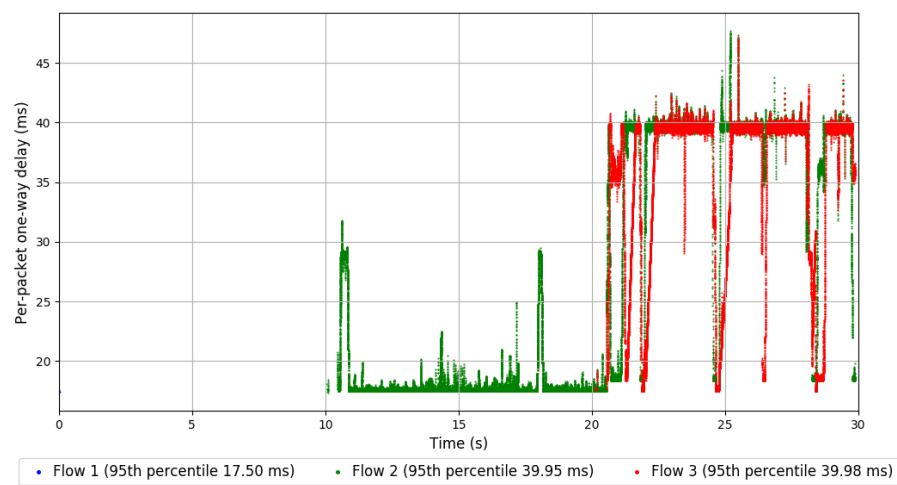
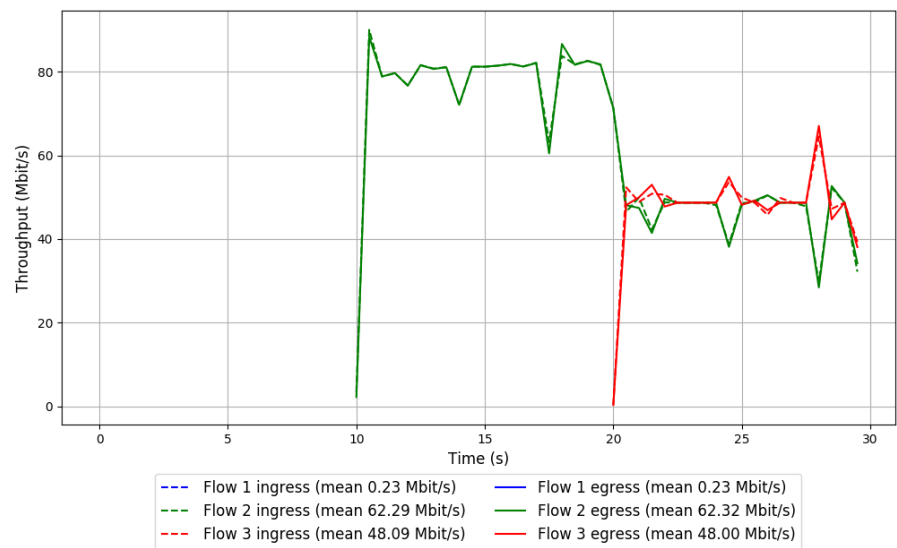
-- Flow 3:

Average throughput: 48.00 Mbit/s

95th percentile per-packet one-way delay: 39.979 ms

Loss rate: 0.54%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 08:35:15 +0000

End at: Sat, 29 Jul 2017 08:35:45 +0000

Local clock offset: 1.214 ms

Remote clock offset: -5.761 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:36:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 38.149 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 15.789 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.80 Mbit/s

95th percentile per-packet one-way delay: 38.108 ms

Loss rate: 0.23%

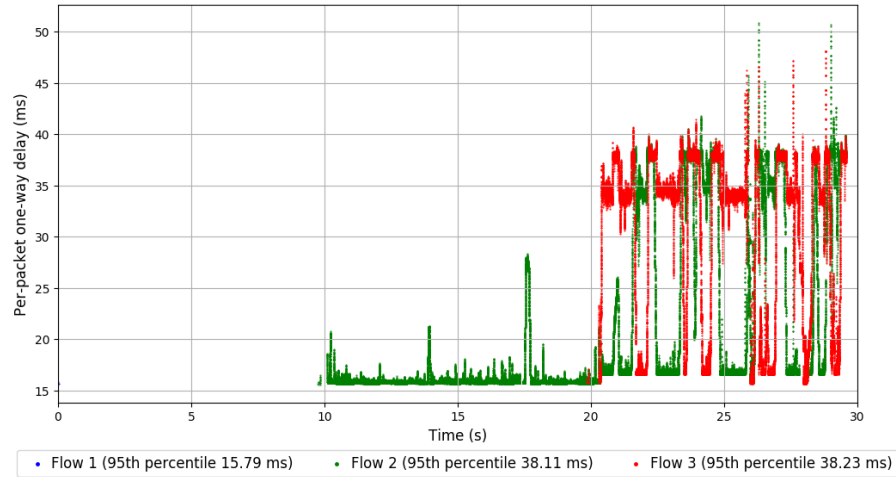
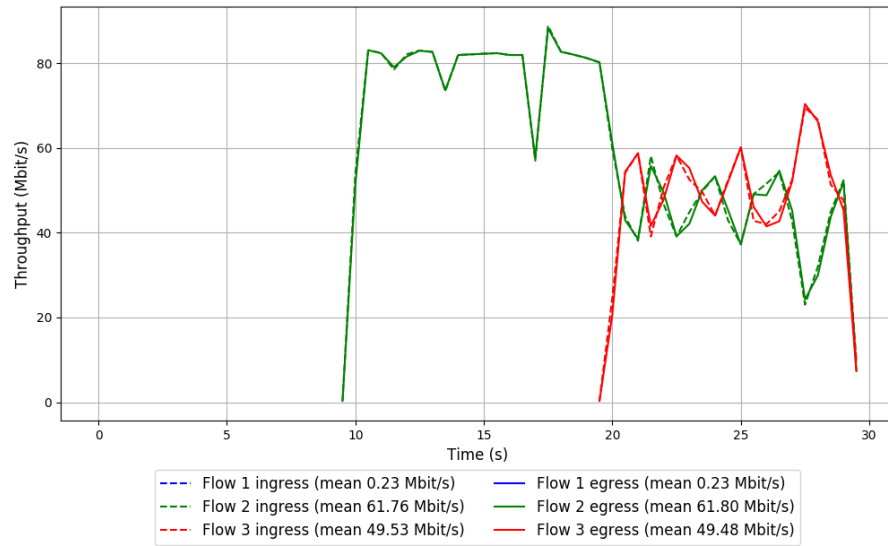
-- Flow 3:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 38.226 ms

Loss rate: 0.60%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 08:54:49 +0000

End at: Sat, 29 Jul 2017 08:55:19 +0000

Local clock offset: 0.525 ms

Remote clock offset: -4.833 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 36.638 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 15.670 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 36.593 ms

Loss rate: 0.18%

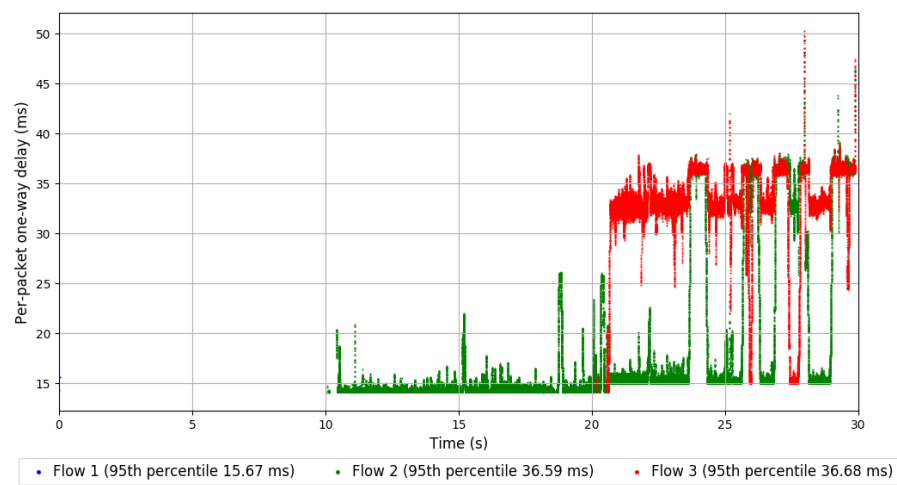
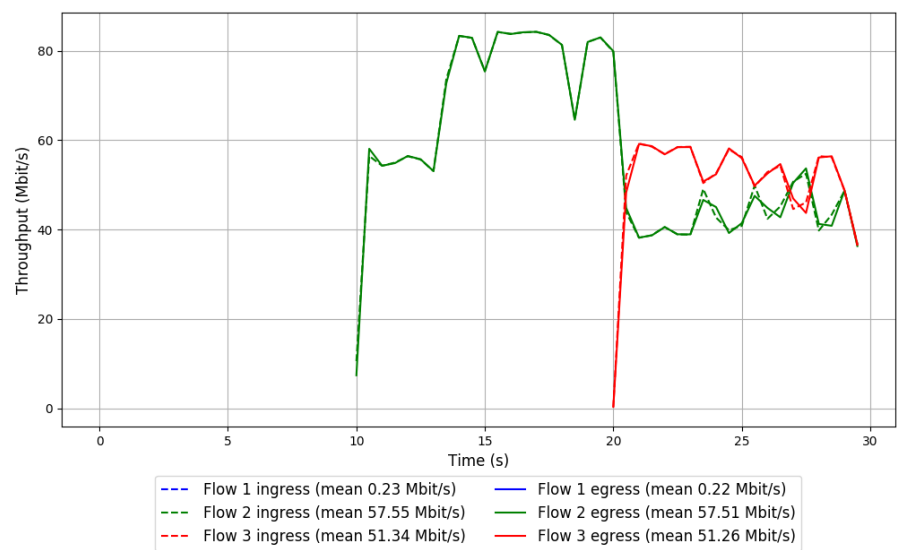
-- Flow 3:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 36.680 ms

Loss rate: 0.32%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 09:13:57 +0000

End at: Sat, 29 Jul 2017 09:14:27 +0000

Local clock offset: 4.374 ms

Remote clock offset: -3.106 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 37.423 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 16.082 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 36.516 ms

Loss rate: 0.27%

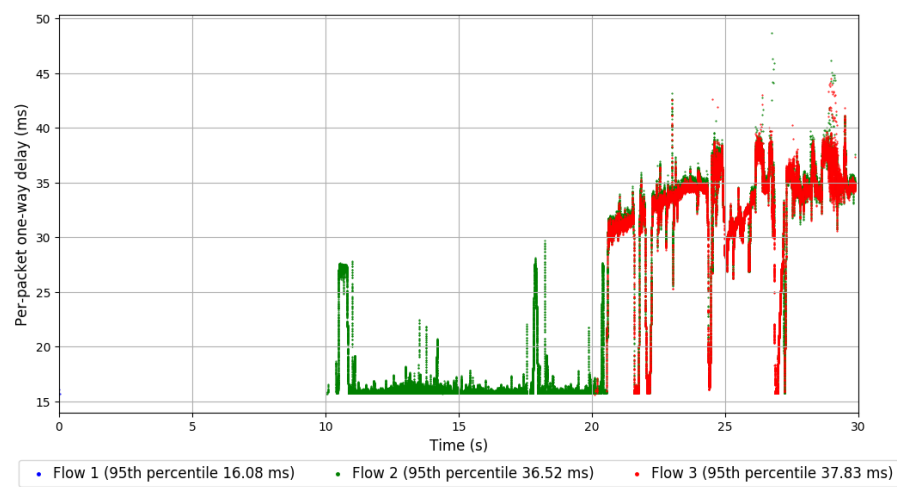
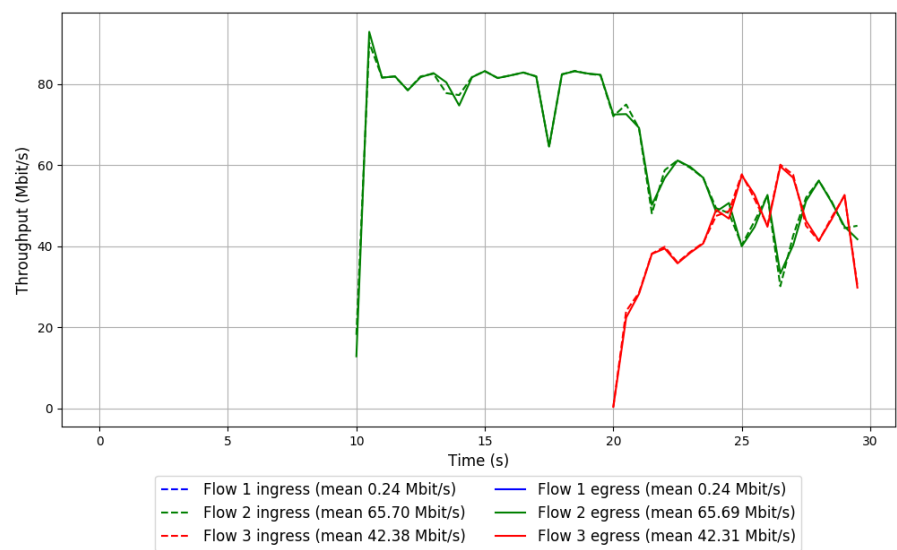
-- Flow 3:

Average throughput: 42.31 Mbit/s

95th percentile per-packet one-way delay: 37.826 ms

Loss rate: 0.43%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 09:32:51 +0000

End at: Sat, 29 Jul 2017 09:33:21 +0000

Local clock offset: 2.744 ms

Remote clock offset: -4.106 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 37.977 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 15.681 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.26 Mbit/s

95th percentile per-packet one-way delay: 37.913 ms

Loss rate: 0.20%

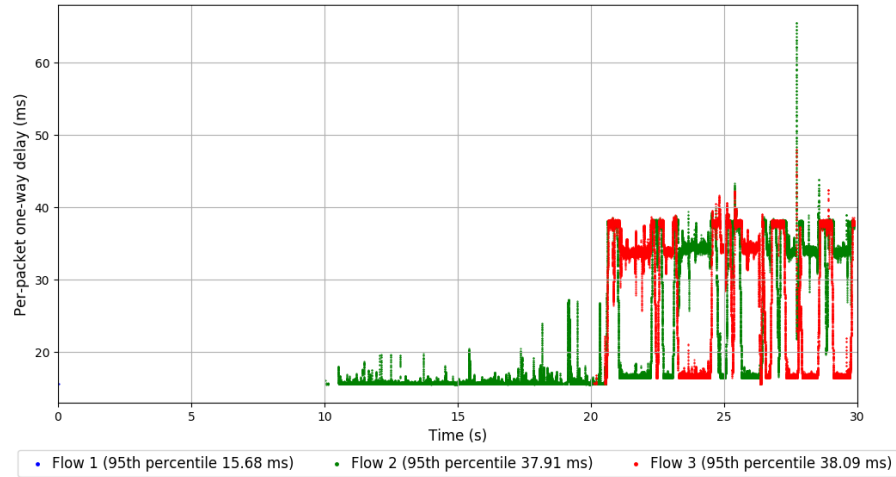
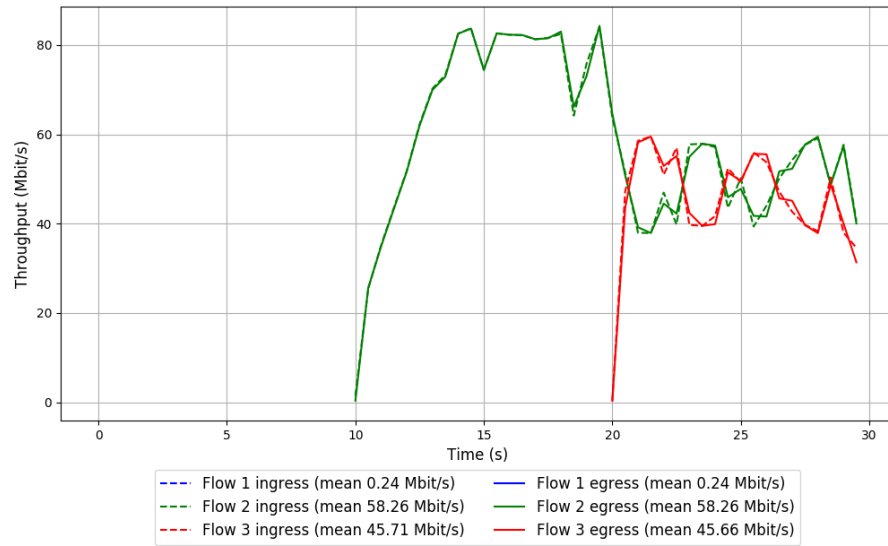
-- Flow 3:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 38.088 ms

Loss rate: 0.50%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 09:51:51 +0000

End at: Sat, 29 Jul 2017 09:52:21 +0000

Local clock offset: 3.125 ms

Remote clock offset: -3.979 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 38.430 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 16.254 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.10 Mbit/s

95th percentile per-packet one-way delay: 38.235 ms

Loss rate: 0.20%

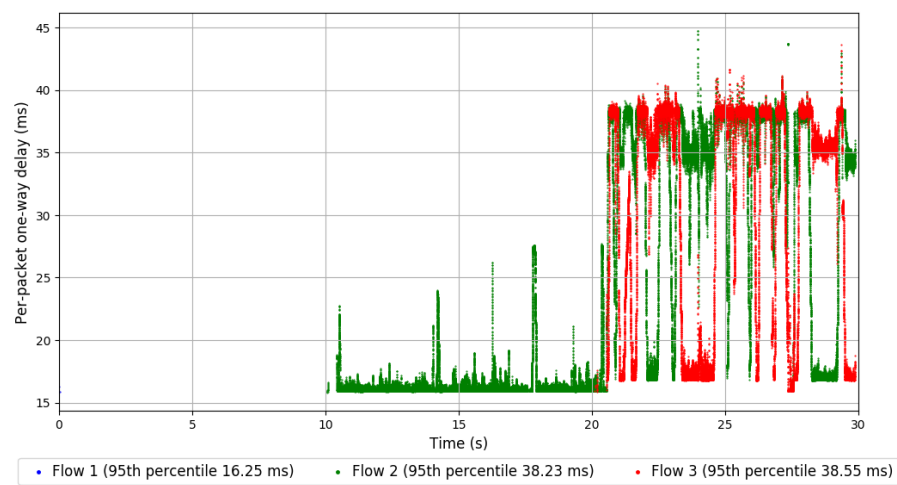
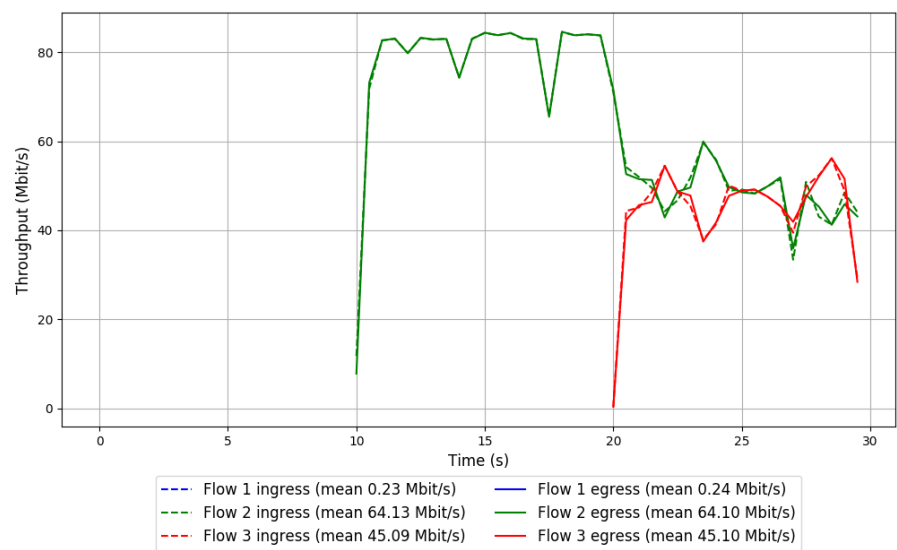
-- Flow 3:

Average throughput: 45.10 Mbit/s

95th percentile per-packet one-way delay: 38.554 ms

Loss rate: 0.24%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 10:10:35 +0000

End at: Sat, 29 Jul 2017 10:11:05 +0000

Local clock offset: 0.033 ms

Remote clock offset: -4.34 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 35.211 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 12.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 34.988 ms

Loss rate: 0.20%

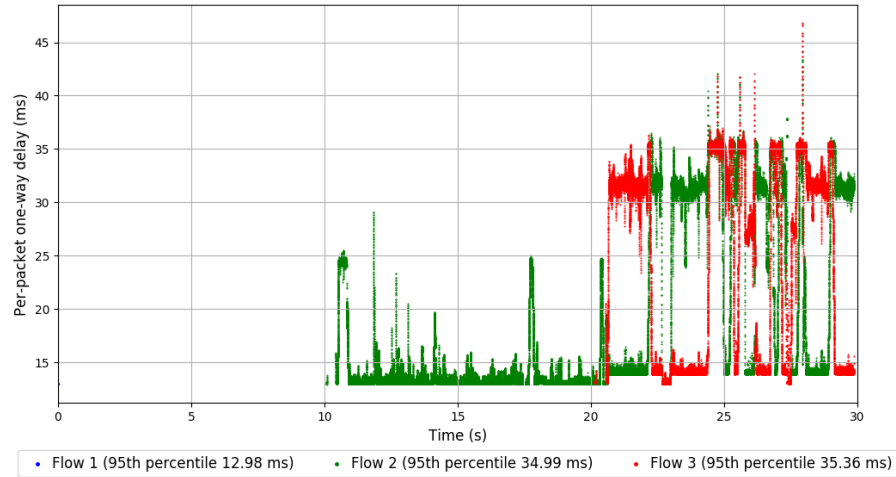
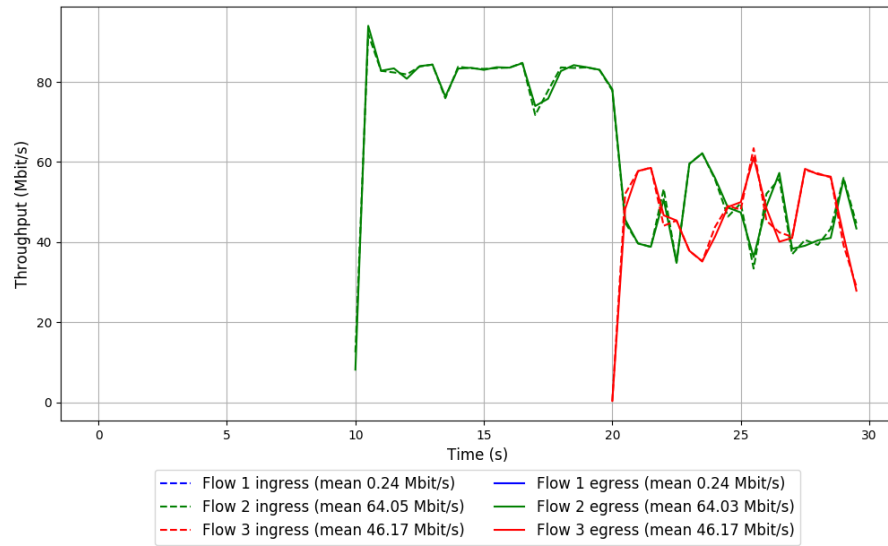
-- Flow 3:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 35.358 ms

Loss rate: 0.23%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 10:29:25 +0000

End at: Sat, 29 Jul 2017 10:29:55 +0000

Local clock offset: 1.23 ms

Remote clock offset: -4.767 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.89 Mbit/s

95th percentile per-packet one-way delay: 39.137 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 14.601 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 37.622 ms

Loss rate: 0.39%

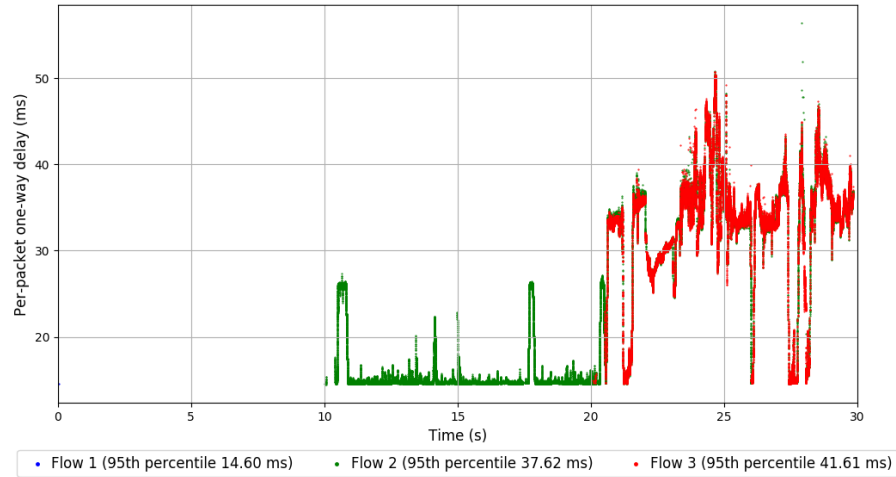
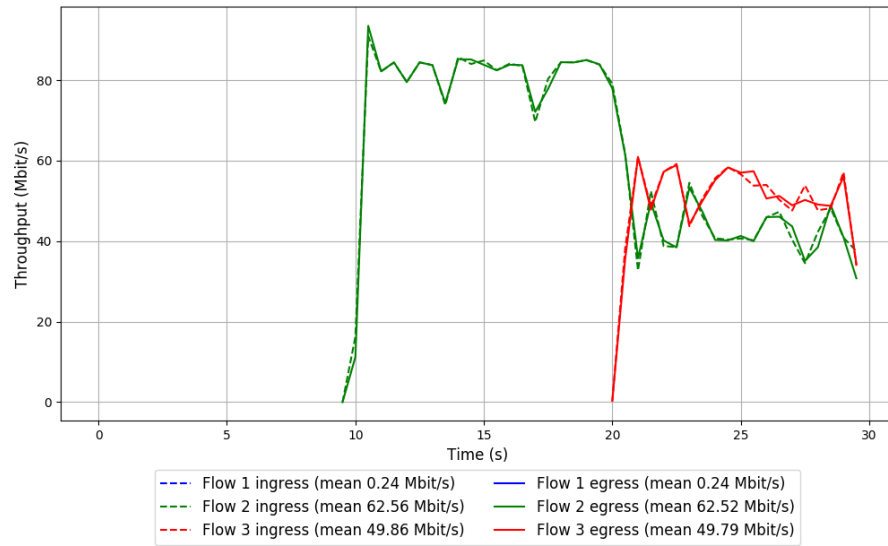
-- Flow 3:

Average throughput: 49.79 Mbit/s

95th percentile per-packet one-way delay: 41.610 ms

Loss rate: 0.38%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:50:36 +0000

End at: Sat, 29 Jul 2017 07:51:06 +0000

Local clock offset: 3.297 ms

Remote clock offset: -4.239 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 78.354 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 78.309 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 36.51 Mbit/s

95th percentile per-packet one-way delay: 78.741 ms

Loss rate: 0.29%

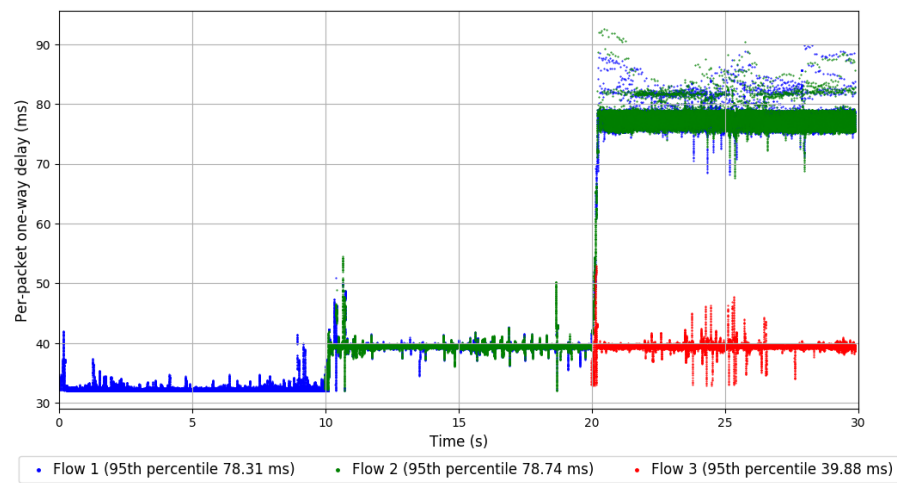
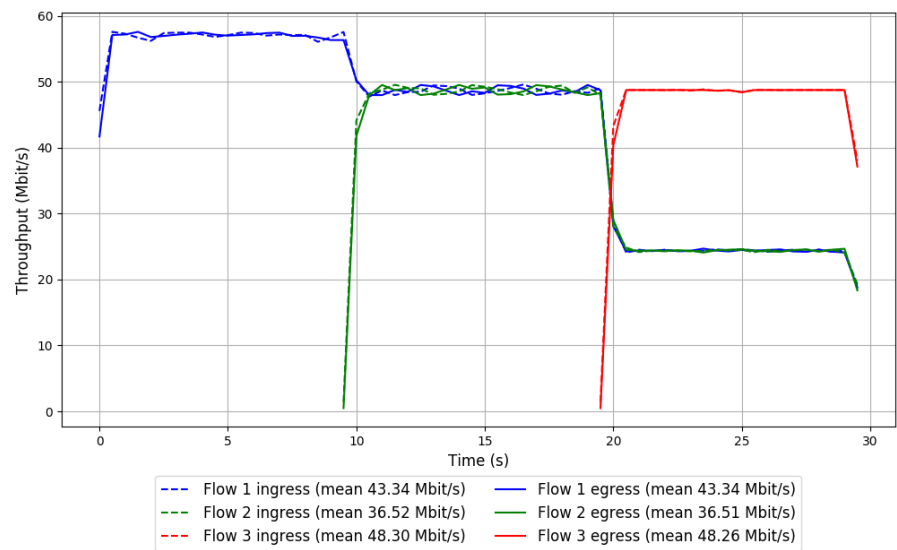
-- Flow 3:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 39.878 ms

Loss rate: 0.49%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 29 Jul 2017 08:09:36 +0000

End at: Sat, 29 Jul 2017 08:10:06 +0000

Local clock offset: 2.802 ms

Remote clock offset: -3.945 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 61.271 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 55.59 Mbit/s

95th percentile per-packet one-way delay: 61.228 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 48.63 Mbit/s

95th percentile per-packet one-way delay: 38.713 ms

Loss rate: 0.25%

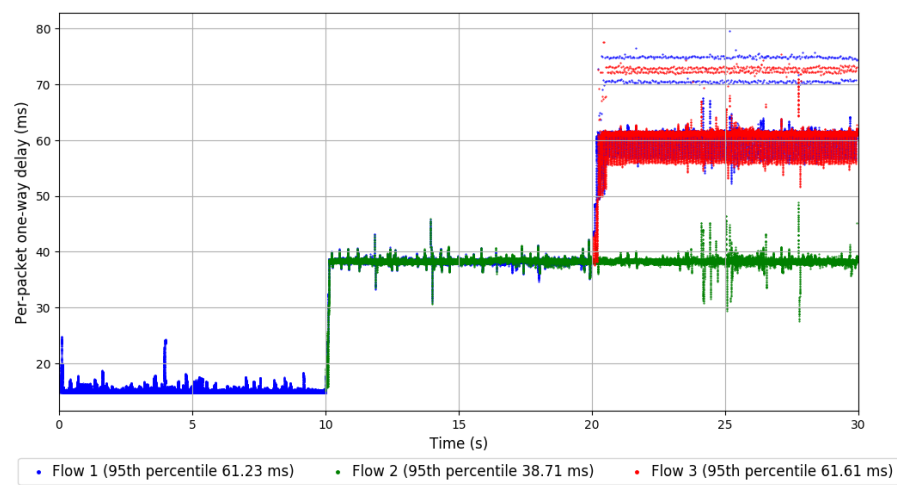
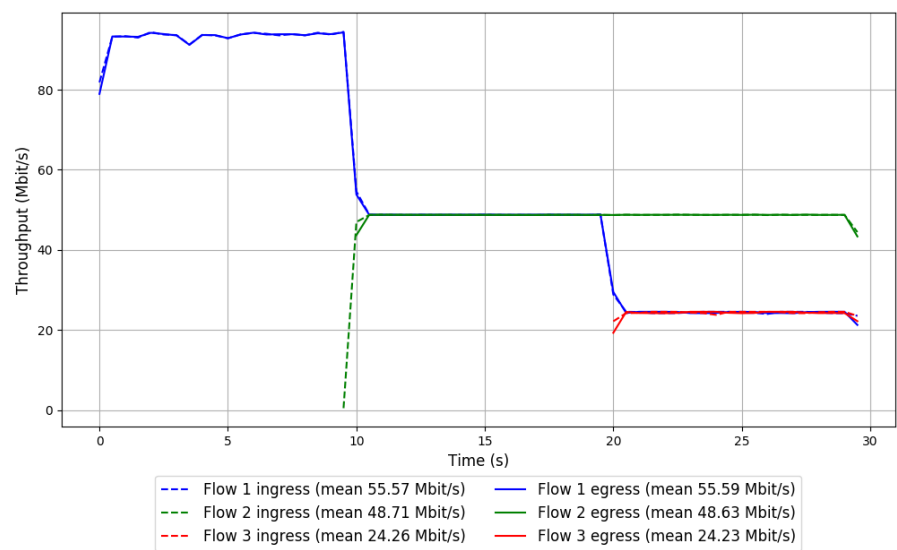
-- Flow 3:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 61.614 ms

Loss rate: 0.99%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

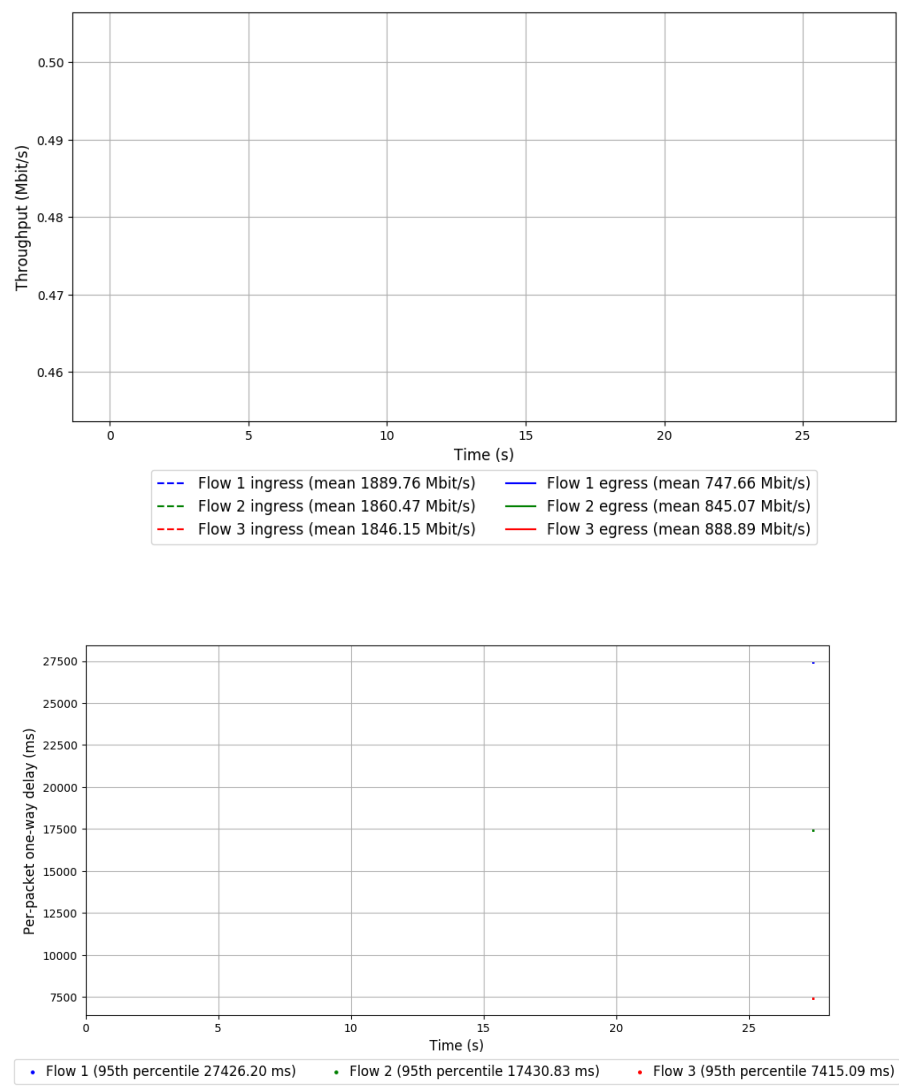
Start at: Sat, 29 Jul 2017 08:28:51 +0000

End at: Sat, 29 Jul 2017 08:29:21 +0000

Local clock offset: 1.555 ms

Remote clock offset: -5.843 ms

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

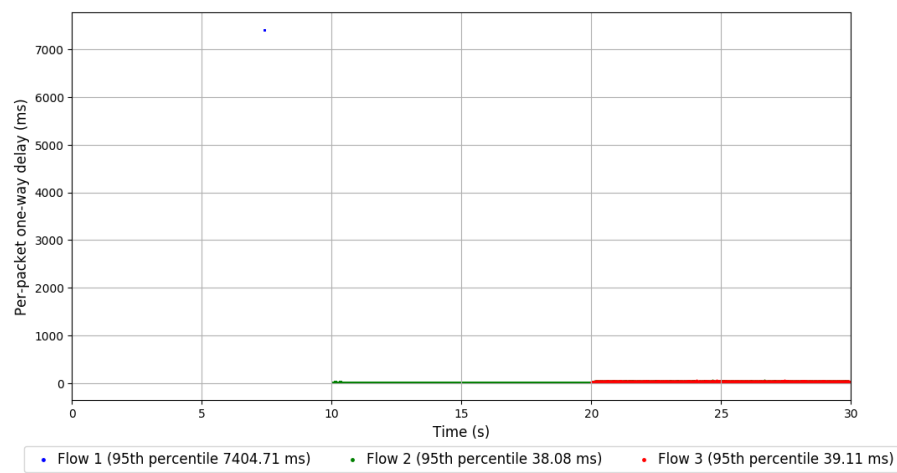
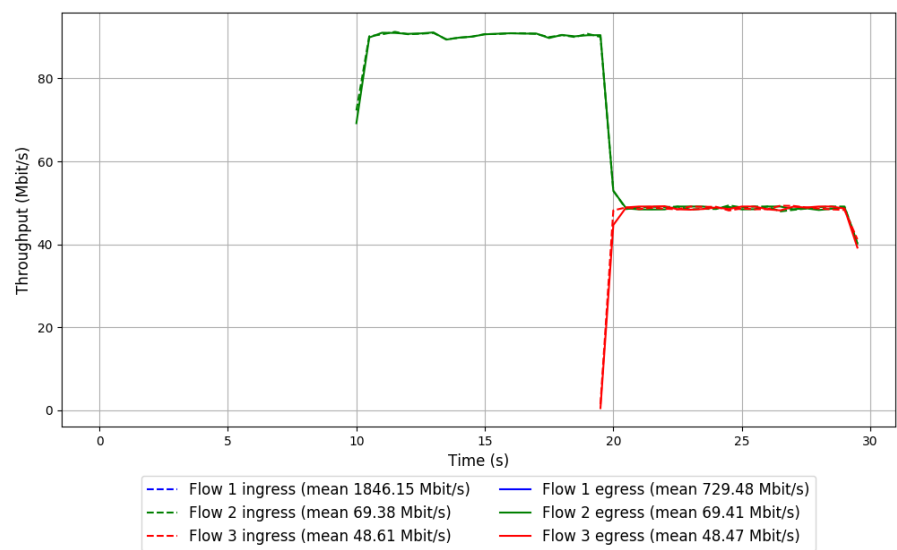
Start at: Sat, 29 Jul 2017 08:48:22 +0000

End at: Sat, 29 Jul 2017 08:48:52 +0000

Local clock offset: 1.471 ms

Remote clock offset: -6.202 ms

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 29 Jul 2017 09:07:30 +0000

End at: Sat, 29 Jul 2017 09:08:00 +0000

Local clock offset: 3.583 ms

Remote clock offset: -3.048 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 61.372 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 38.778 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 36.63 Mbit/s

95th percentile per-packet one-way delay: 61.491 ms

Loss rate: 0.33%

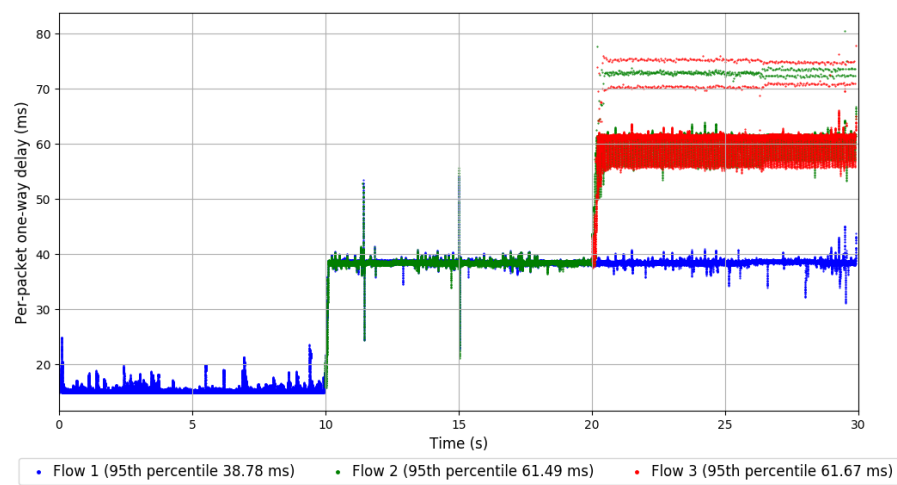
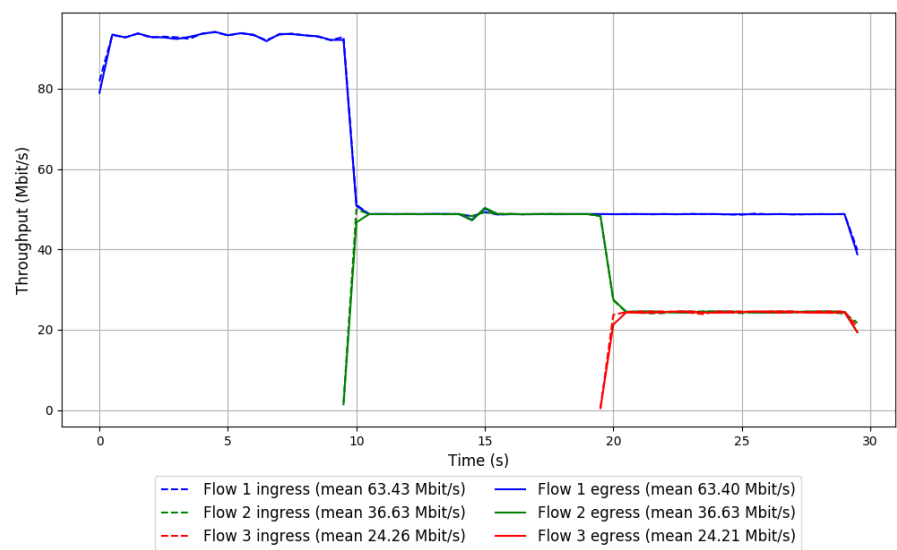
-- Flow 3:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 61.667 ms

Loss rate: 0.98%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 29 Jul 2017 09:26:34 +0000

End at: Sat, 29 Jul 2017 09:27:04 +0000

Local clock offset: 2.605 ms

Remote clock offset: -4.082 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 50.738 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 58.17 Mbit/s

95th percentile per-packet one-way delay: 50.674 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.58 Mbit/s

95th percentile per-packet one-way delay: 50.745 ms

Loss rate: 0.29%

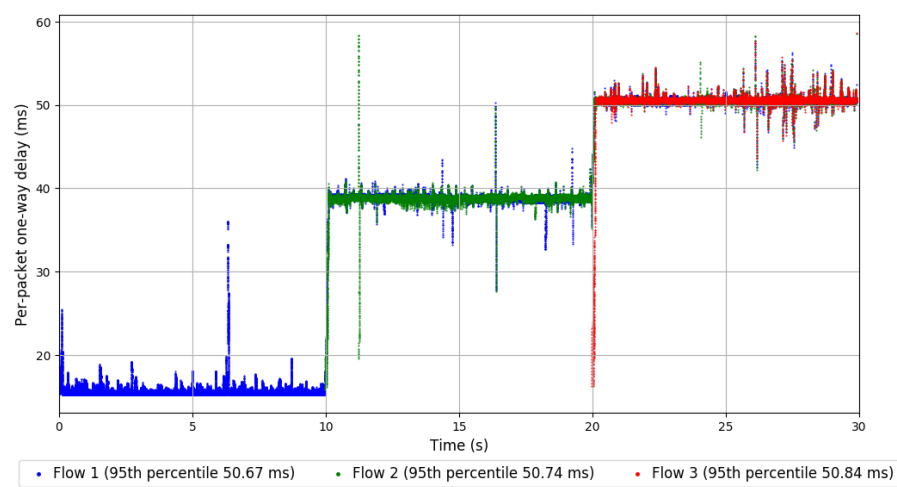
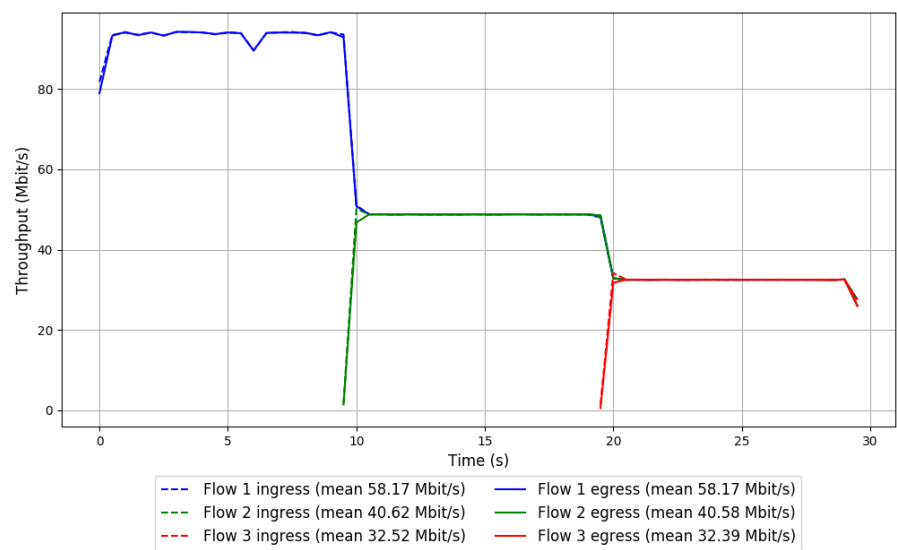
-- Flow 3:

Average throughput: 32.39 Mbit/s

95th percentile per-packet one-way delay: 50.836 ms

Loss rate: 0.74%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 29 Jul 2017 09:45:33 +0000

End at: Sat, 29 Jul 2017 09:46:03 +0000

Local clock offset: 1.033 ms

Remote clock offset: -2.936 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:37:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 59.485 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.96 Mbit/s

95th percentile per-packet one-way delay: 59.463 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 48.66 Mbit/s

95th percentile per-packet one-way delay: 36.752 ms

Loss rate: 0.25%

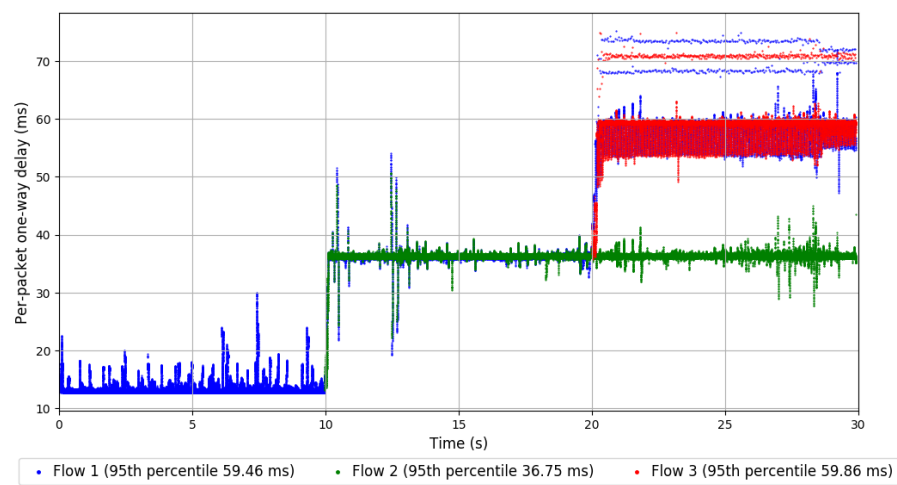
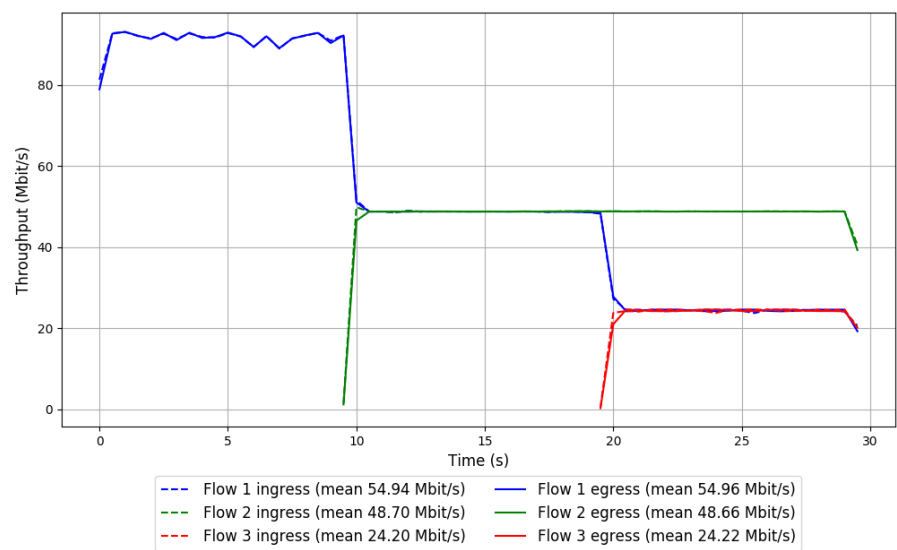
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 59.856 ms

Loss rate: 0.73%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sat, 29 Jul 2017 10:04:18 +0000

End at: Sat, 29 Jul 2017 10:04:48 +0000

Local clock offset: 4.723 ms

Remote clock offset: -3.747 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 63.528 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 61.90 Mbit/s

95th percentile per-packet one-way delay: 41.026 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 63.694 ms

Loss rate: 0.34%

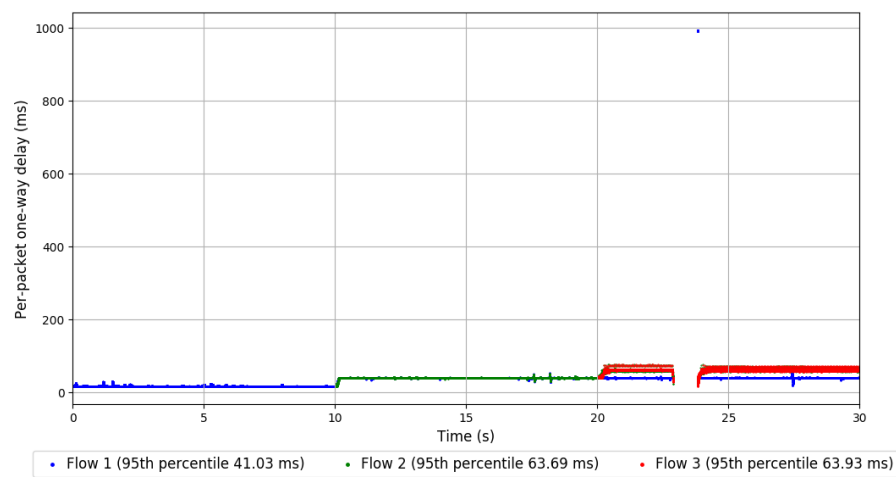
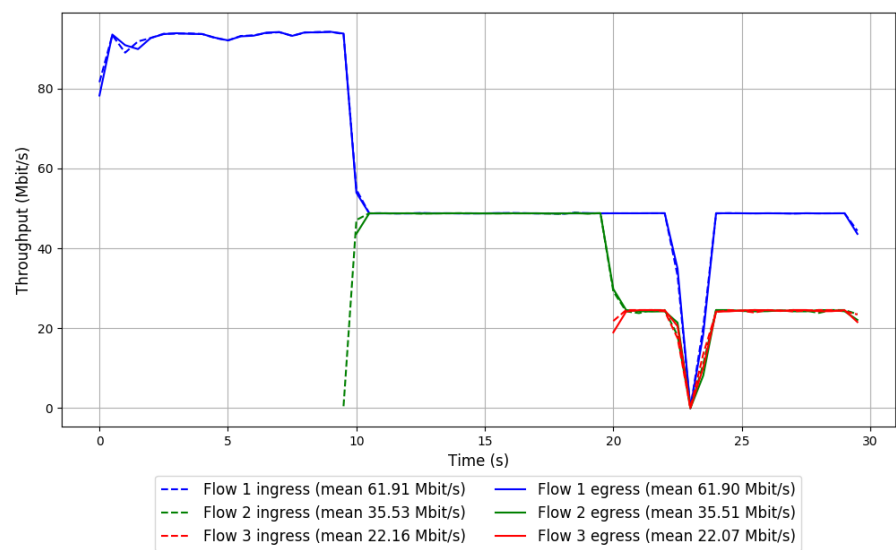
-- Flow 3:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 63.929 ms

Loss rate: 1.08%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 29 Jul 2017 10:23:06 +0000

End at: Sat, 29 Jul 2017 10:23:36 +0000

Local clock offset: -0.137 ms

Remote clock offset: -4.697 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 59.866 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 55.31 Mbit/s

95th percentile per-packet one-way delay: 59.835 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 59.942 ms

Loss rate: 0.23%

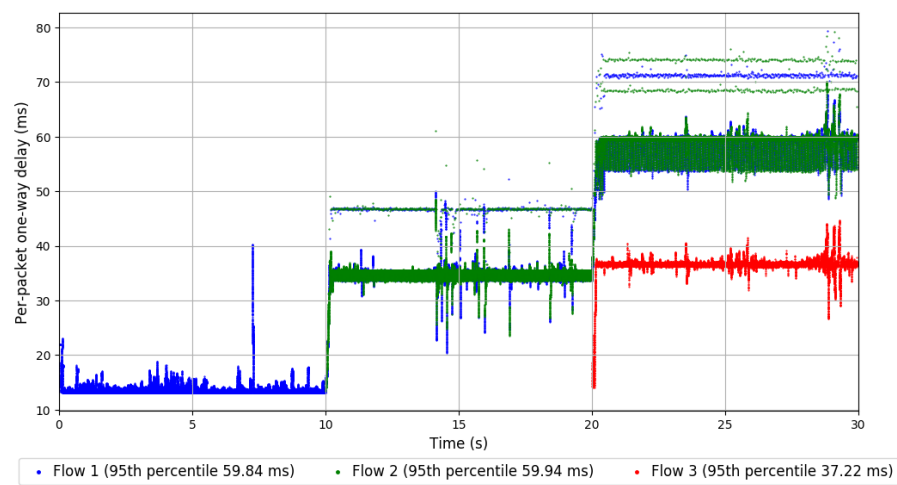
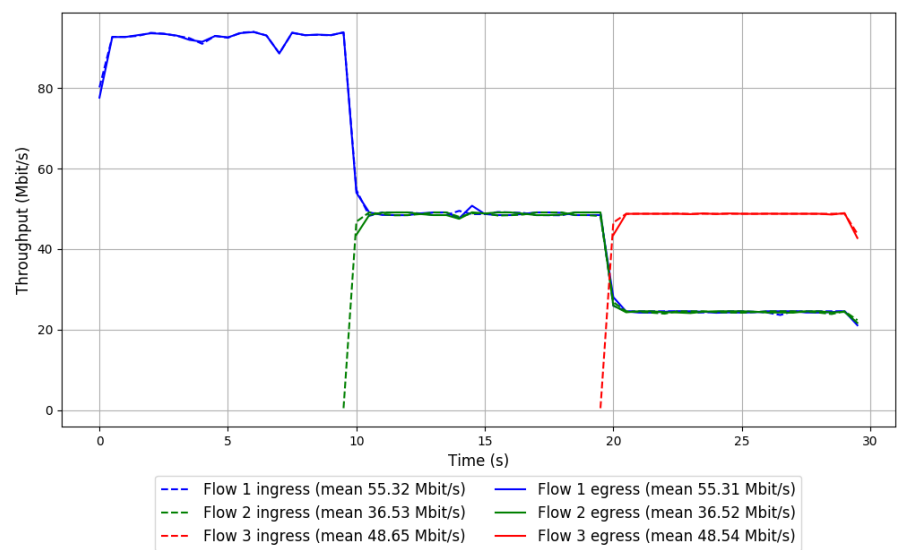
-- Flow 3:

Average throughput: 48.54 Mbit/s

95th percentile per-packet one-way delay: 37.224 ms

Loss rate: 0.48%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 29 Jul 2017 10:41:58 +0000

End at: Sat, 29 Jul 2017 10:42:28 +0000

Local clock offset: 3.295 ms

Remote clock offset: -4.247 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 62.607 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 62.536 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 40.004 ms

Loss rate: 0.26%

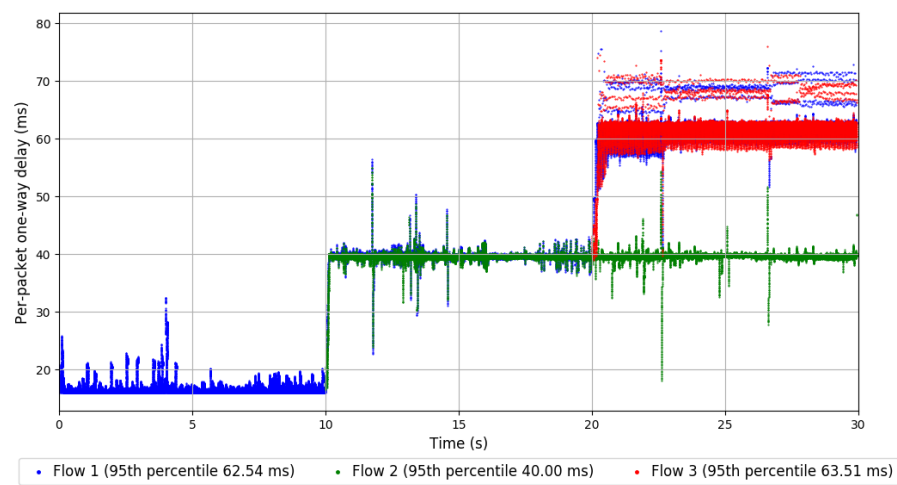
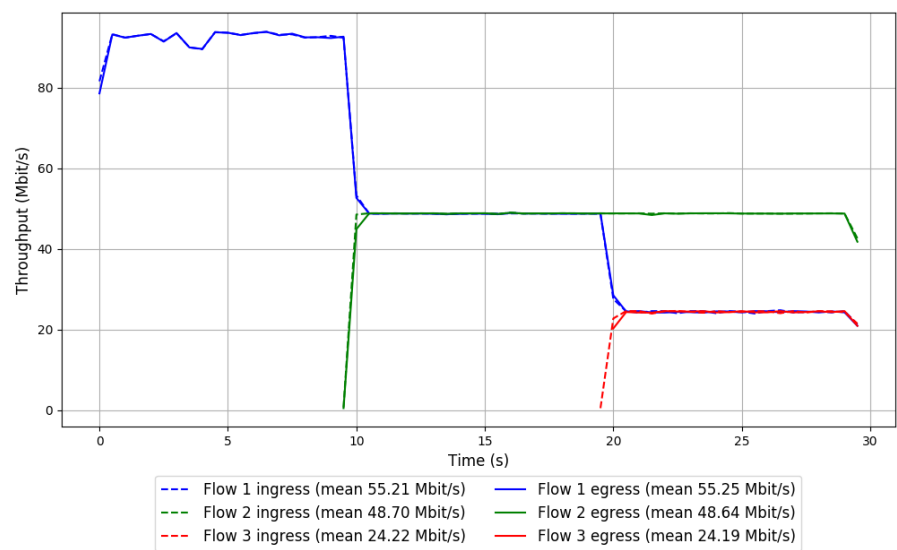
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 63.509 ms

Loss rate: 0.81%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 07:54:38 +0000

End at: Sat, 29 Jul 2017 07:55:08 +0000

Local clock offset: 4.447 ms

Remote clock offset: -3.078 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 15.600 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.593 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.629 ms

Loss rate: 0.19%

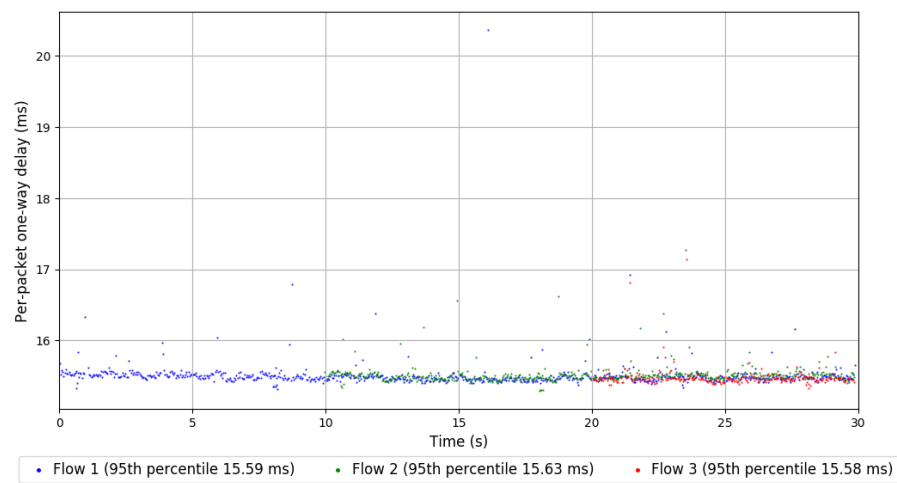
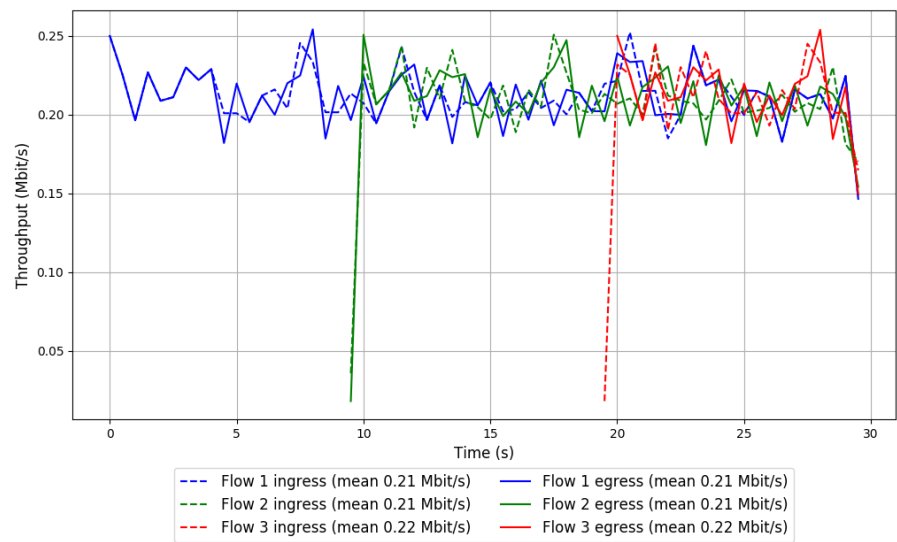
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 15.582 ms

Loss rate: 0.35%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 08:13:32 +0000

End at: Sat, 29 Jul 2017 08:14:02 +0000

Local clock offset: 2.928 ms

Remote clock offset: -5.536 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 17.445 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.442 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.431 ms

Loss rate: 0.22%

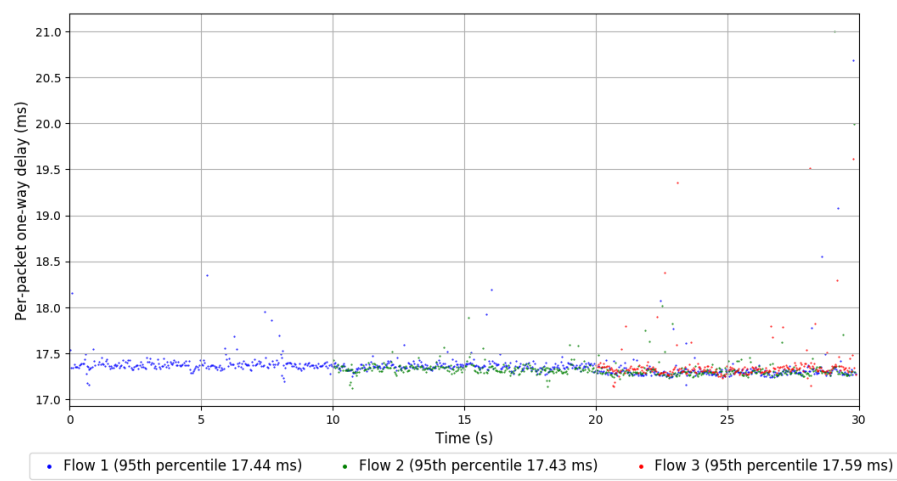
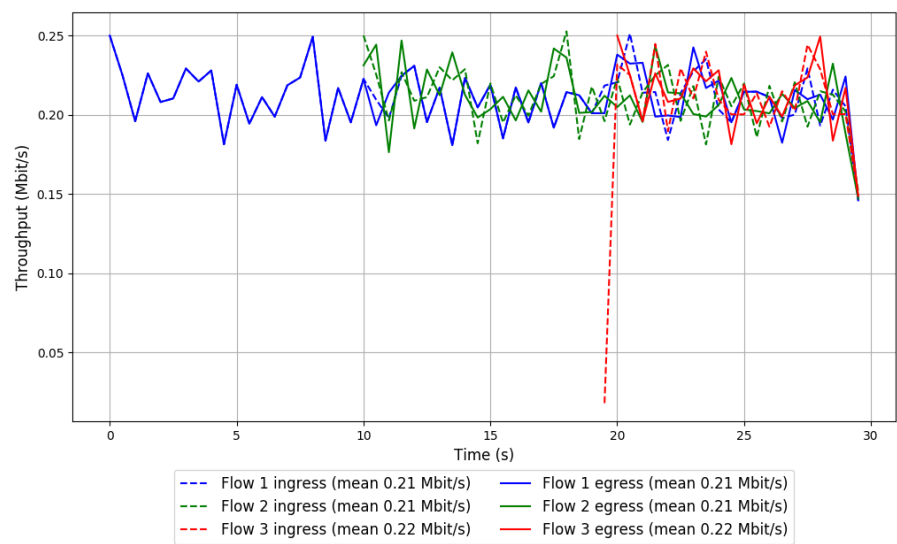
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.588 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 08:32:45 +0000

End at: Sat, 29 Jul 2017 08:33:15 +0000

Local clock offset: 4.975 ms

Remote clock offset: -5.418 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 19.476 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 19.455 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 19.437 ms

Loss rate: 0.21%

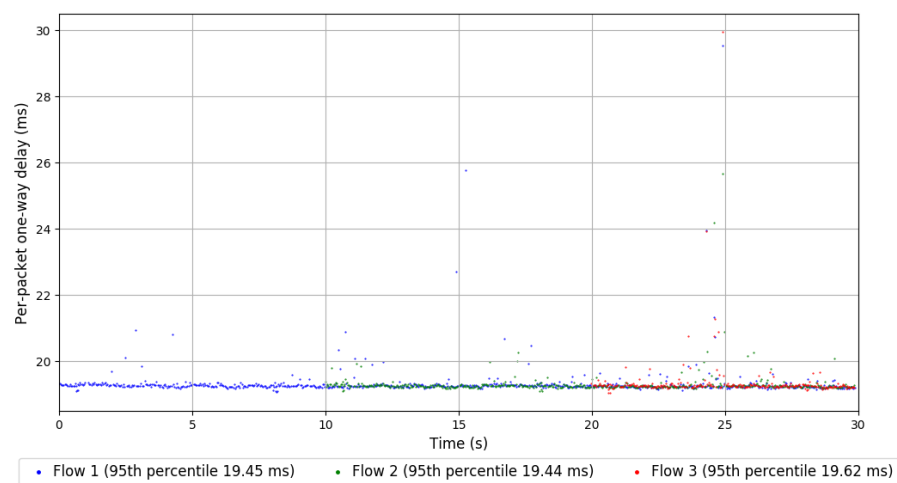
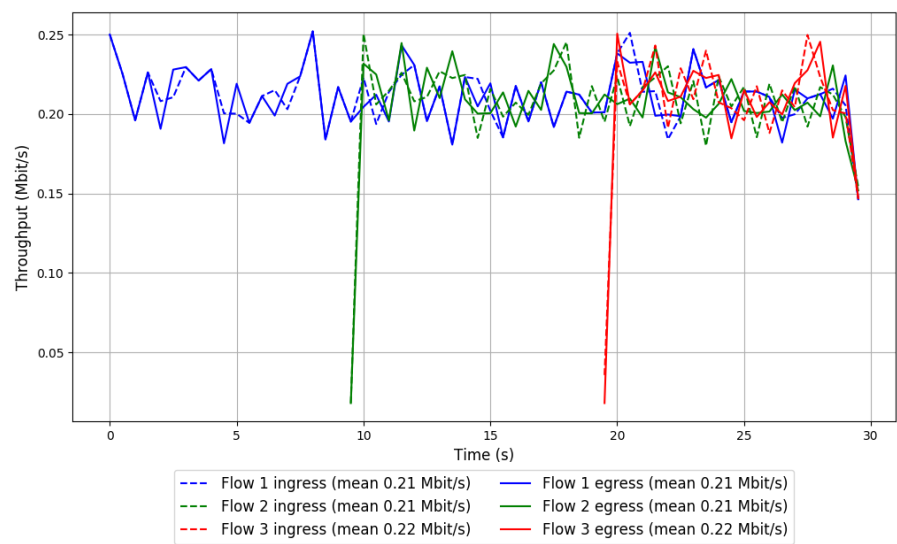
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 08:52:20 +0000

End at: Sat, 29 Jul 2017 08:52:50 +0000

Local clock offset: 0.767 ms

Remote clock offset: -3.835 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 13.697 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.697 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.685 ms

Loss rate: 0.20%

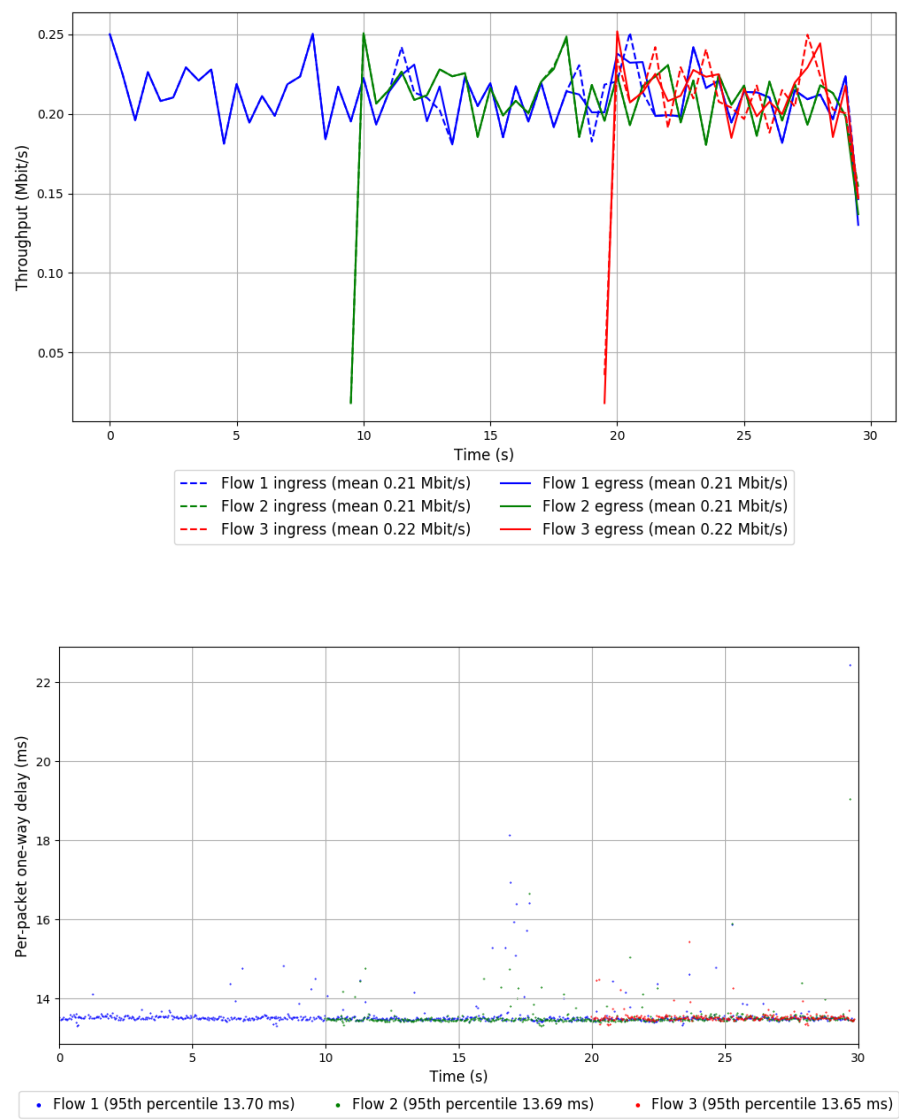
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.652 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 09:11:27 +0000

End at: Sat, 29 Jul 2017 09:11:57 +0000

Local clock offset: 0.696 ms

Remote clock offset: -4.228 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.394 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.403 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.368 ms

Loss rate: 0.20%

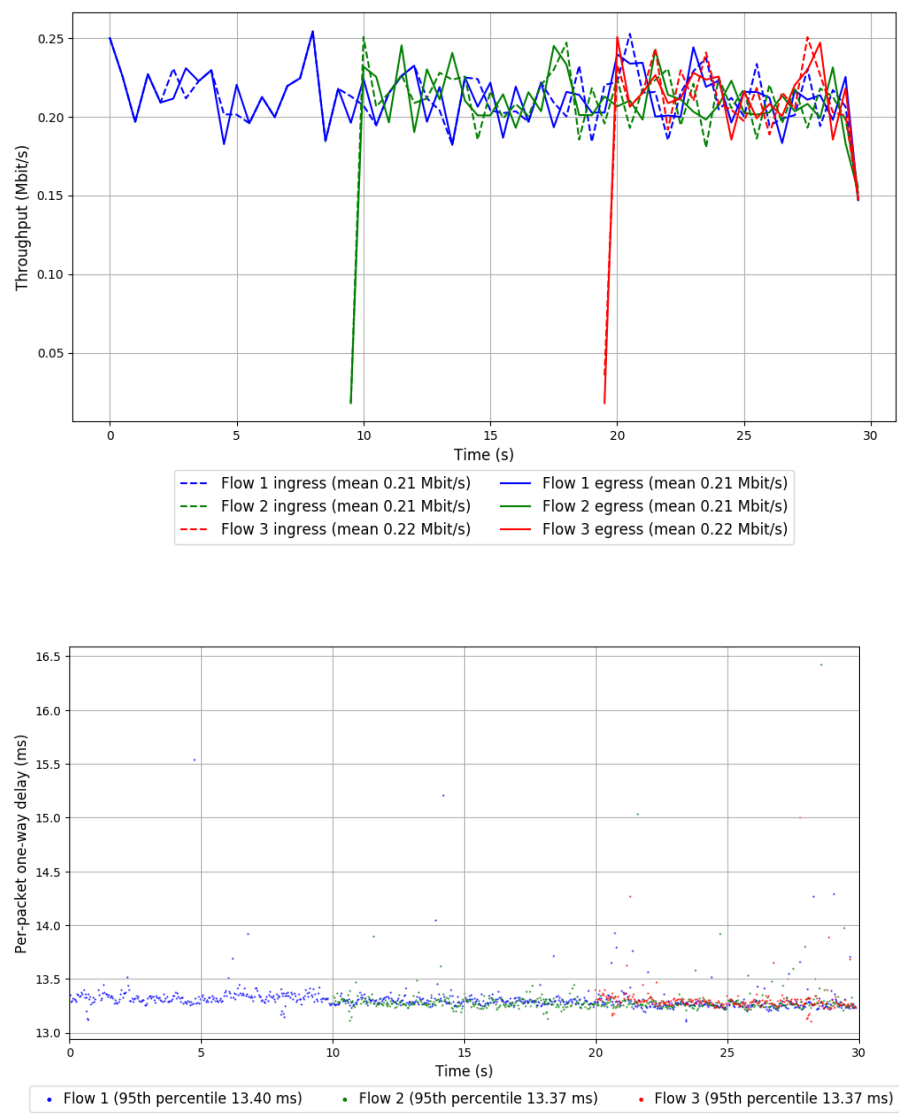
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.370 ms

Loss rate: 0.00%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 09:30:27 +0000

End at: Sat, 29 Jul 2017 09:30:57 +0000

Local clock offset: -2.794 ms

Remote clock offset: -7.697 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.810 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.809 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.810 ms

Loss rate: 0.22%

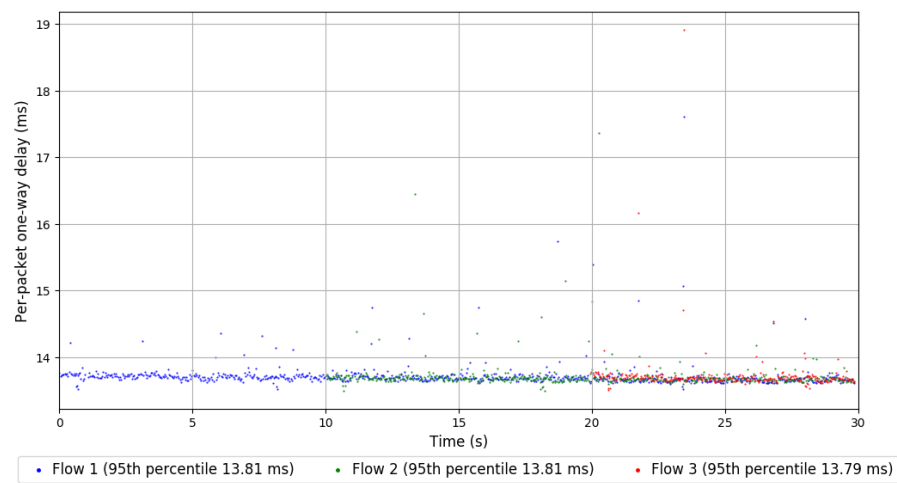
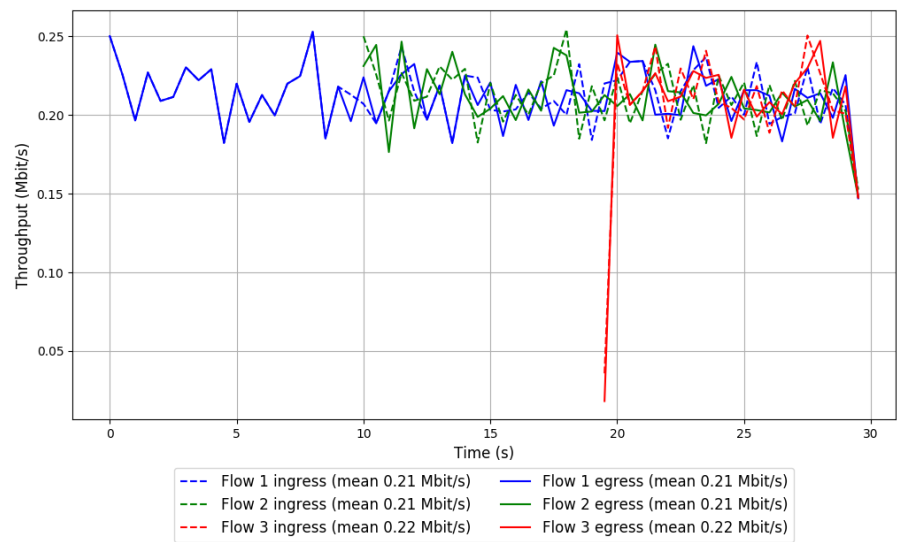
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.790 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 09:49:27 +0000

End at: Sat, 29 Jul 2017 09:49:57 +0000

Local clock offset: 2.477 ms

Remote clock offset: -3.513 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.958 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.958 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.958 ms

Loss rate: 0.00%

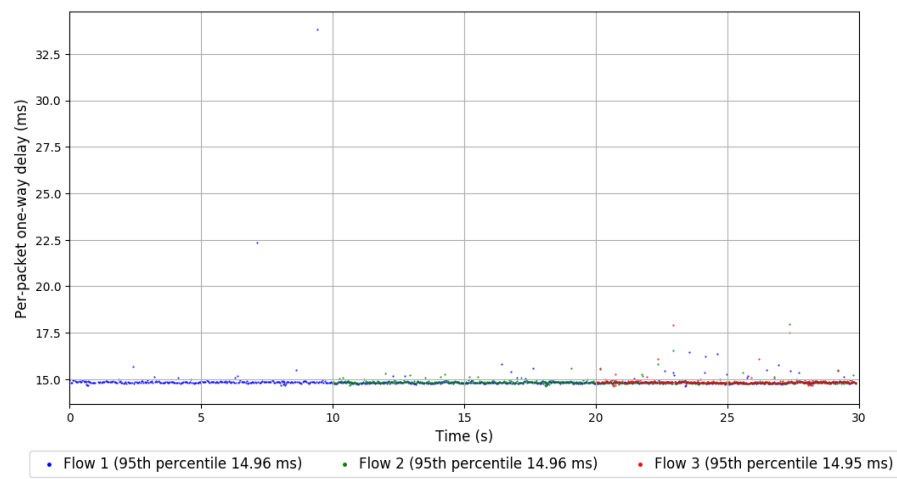
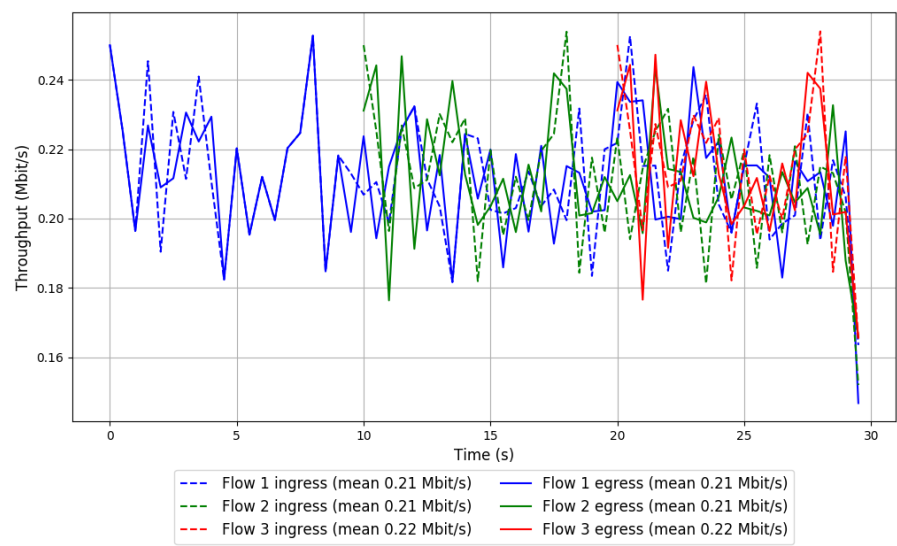
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 10:08:11 +0000

End at: Sat, 29 Jul 2017 10:08:41 +0000

Local clock offset: 1.477 ms

Remote clock offset: -4.212 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.493 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.500 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.474 ms

Loss rate: 0.00%

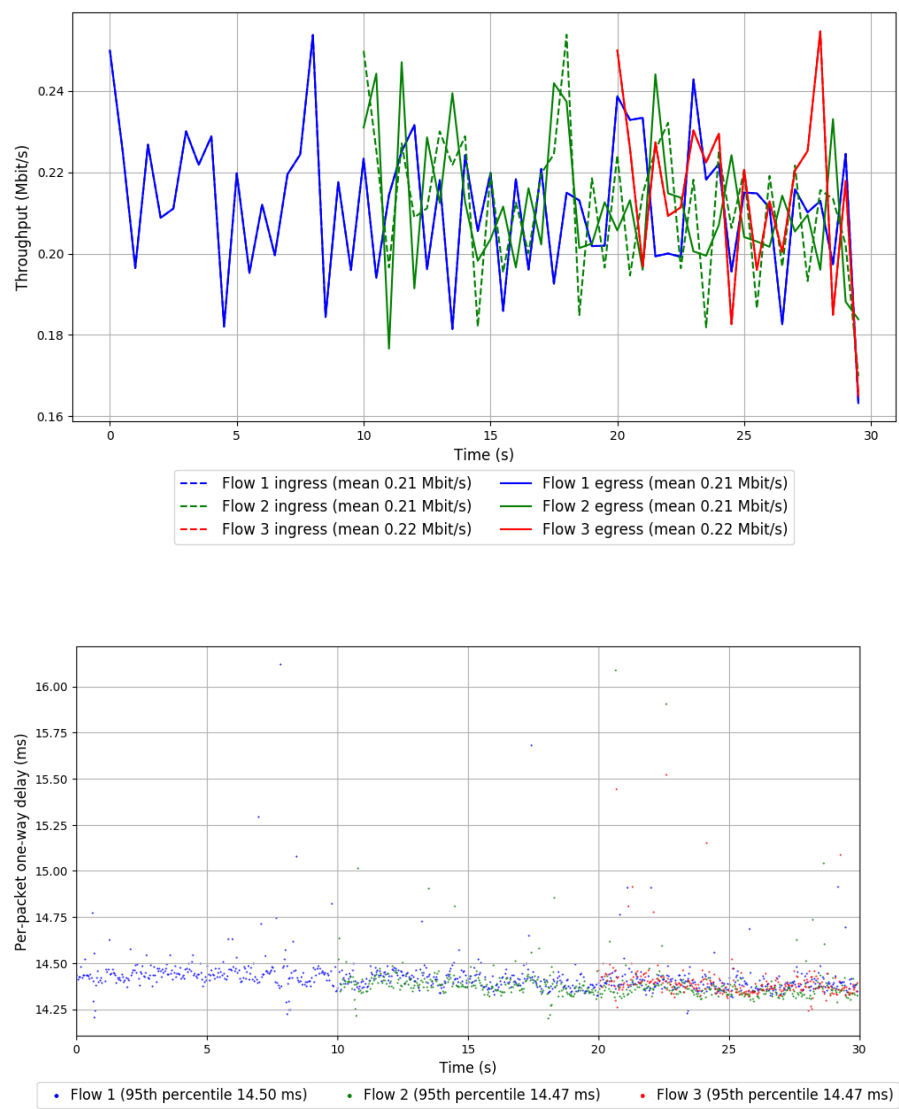
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.471 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: Sat, 29 Jul 2017 10:27:03 +0000

End at: Sat, 29 Jul 2017 10:27:33 +0000

Local clock offset: 2.978 ms

Remote clock offset: -4.947 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 16.674 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.690 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.652 ms

Loss rate: 0.00%

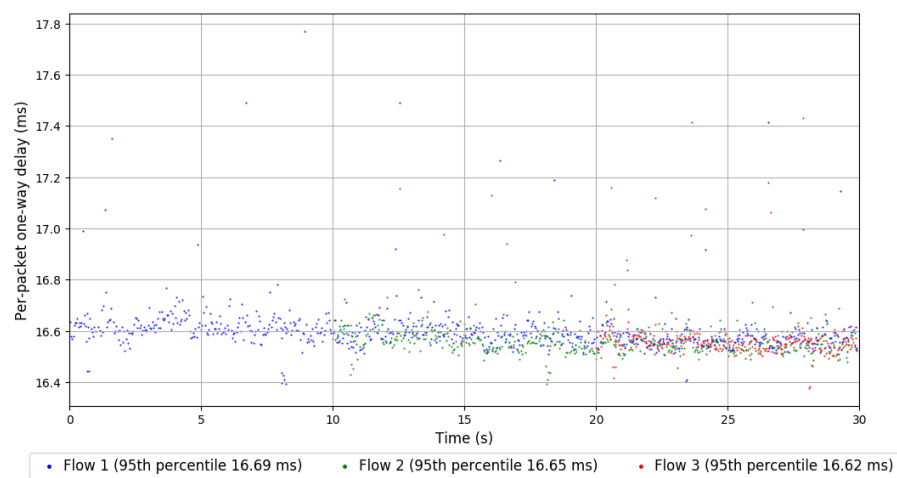
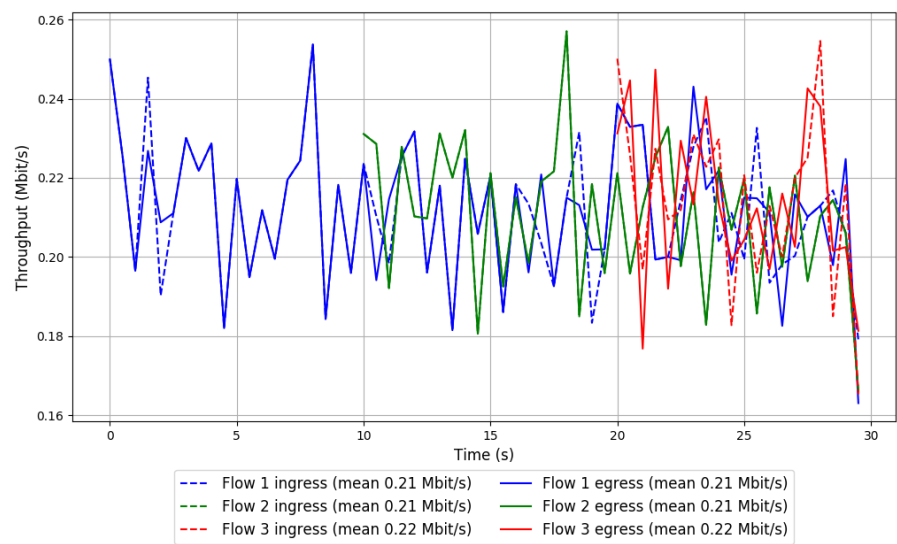
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 16.623 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sat, 29 Jul 2017 10:45:54 +0000

End at: Sat, 29 Jul 2017 10:46:24 +0000

Local clock offset: 1.121 ms

Remote clock offset: -4.078 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.908 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.919 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.859 ms

Loss rate: 0.19%

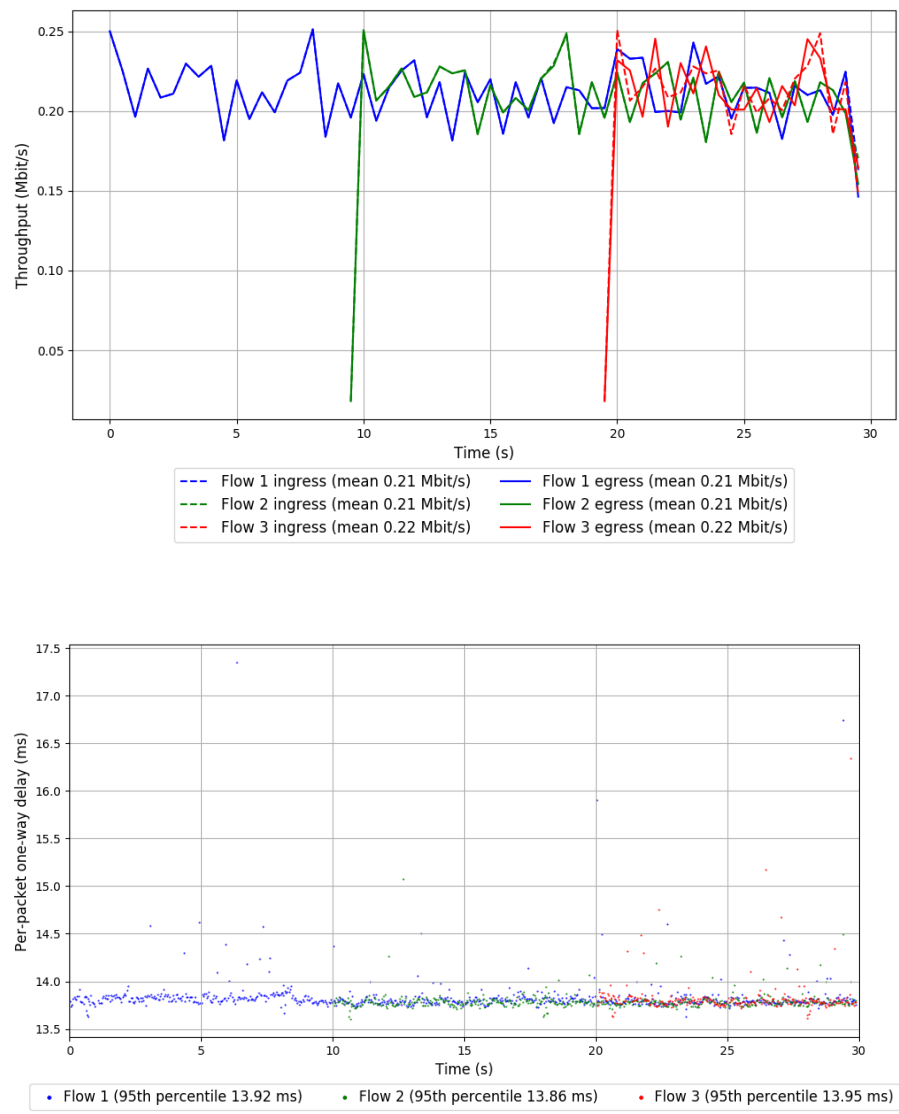
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.949 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:52:05 +0000

End at: Sat, 29 Jul 2017 07:52:35 +0000

Local clock offset: 4.235 ms

Remote clock offset: -3.755 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 25.194 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 25.024 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 25.128 ms

Loss rate: 0.16%

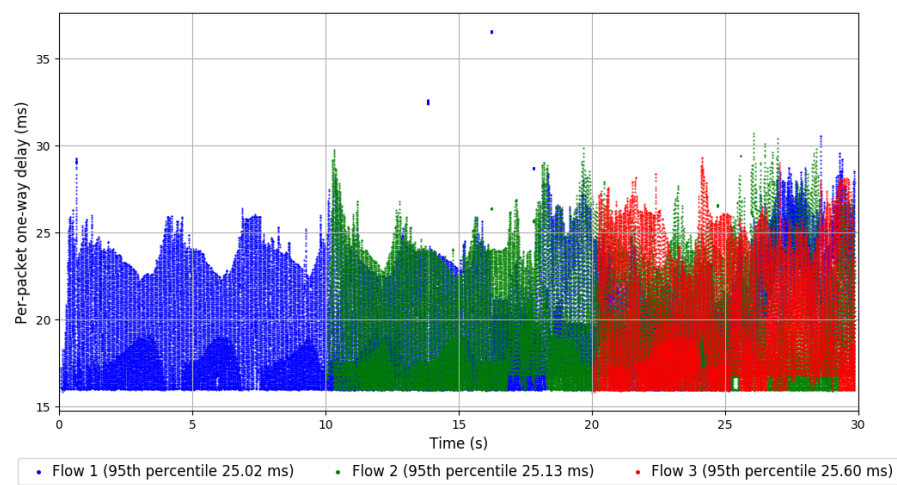
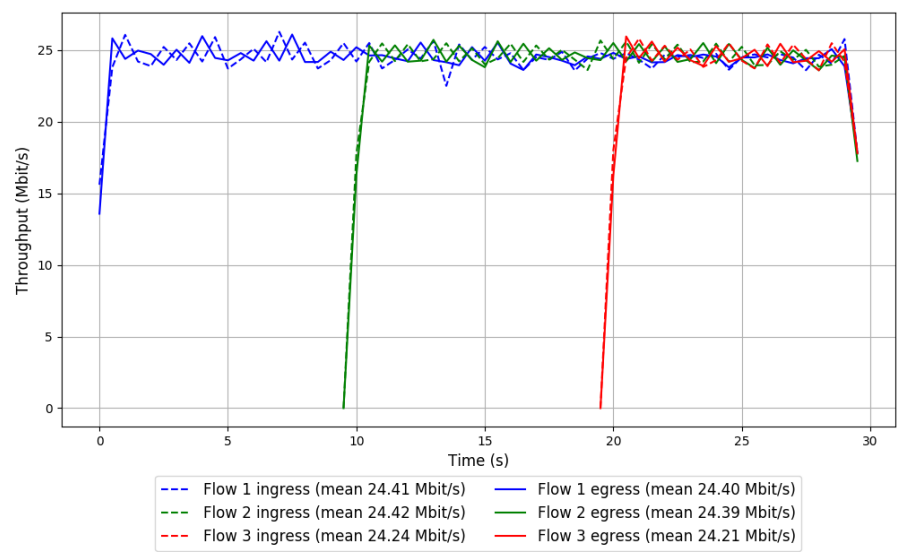
-- Flow 3:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 25.597 ms

Loss rate: 0.17%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 29 Jul 2017 08:10:57 +0000

End at: Sat, 29 Jul 2017 08:11:27 +0000

Local clock offset: 2.001 ms

Remote clock offset: -5.452 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.30 Mbit/s

95th percentile per-packet one-way delay: 25.563 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 25.459 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 25.748 ms

Loss rate: 0.20%

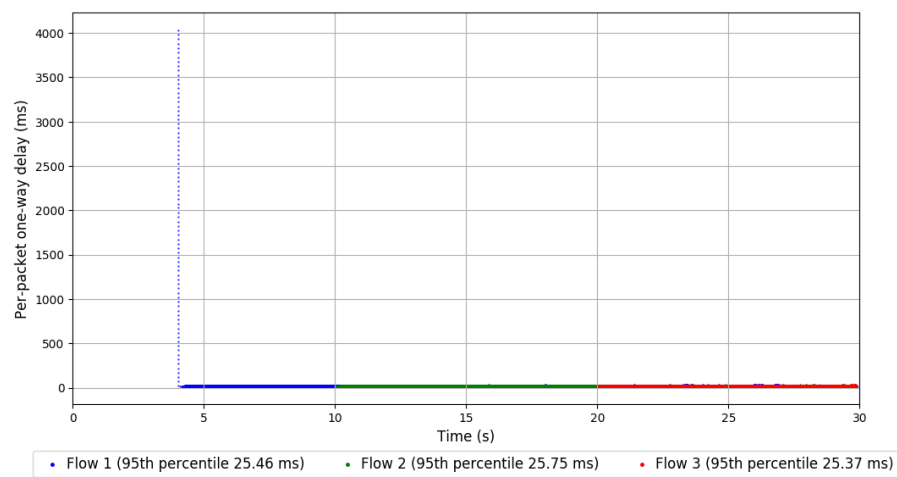
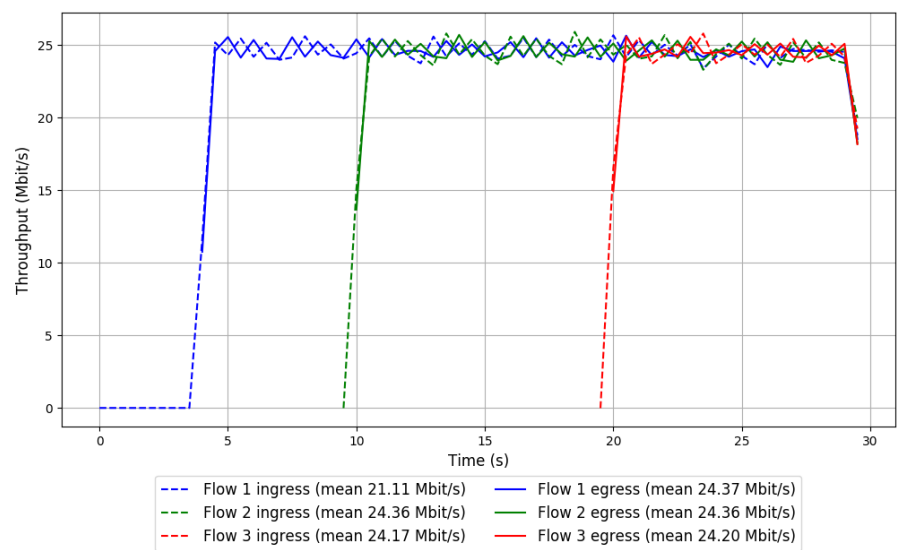
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 25.371 ms

Loss rate: 0.32%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 29 Jul 2017 08:29:57 +0000

End at: Sat, 29 Jul 2017 08:30:27 +0000

Local clock offset: 3.19 ms

Remote clock offset: -5.118 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 26.627 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 26.034 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 27.165 ms

Loss rate: 0.15%

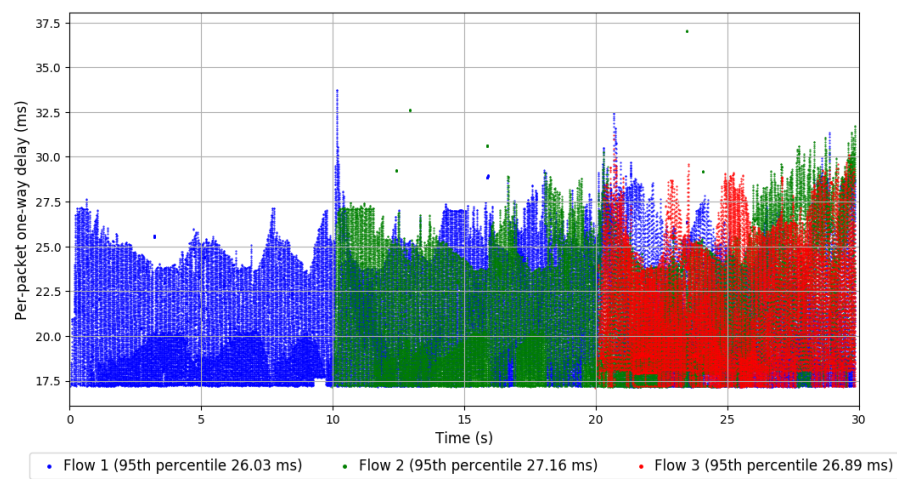
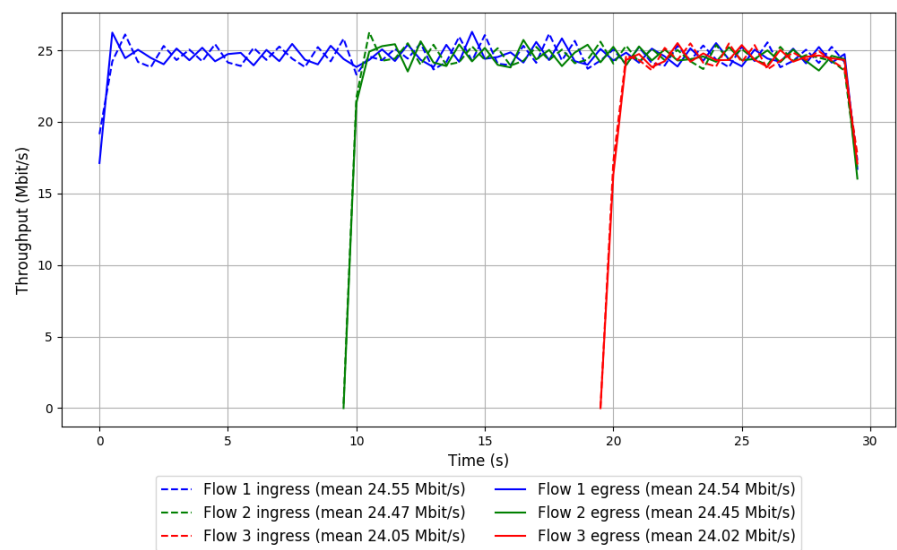
-- Flow 3:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 26.891 ms

Loss rate: 0.24%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 29 Jul 2017 08:49:40 +0000

End at: Sat, 29 Jul 2017 08:50:10 +0000

Local clock offset: 4.205 ms

Remote clock offset: -4.826 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 28.128 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 27.333 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 28.224 ms

Loss rate: 0.14%

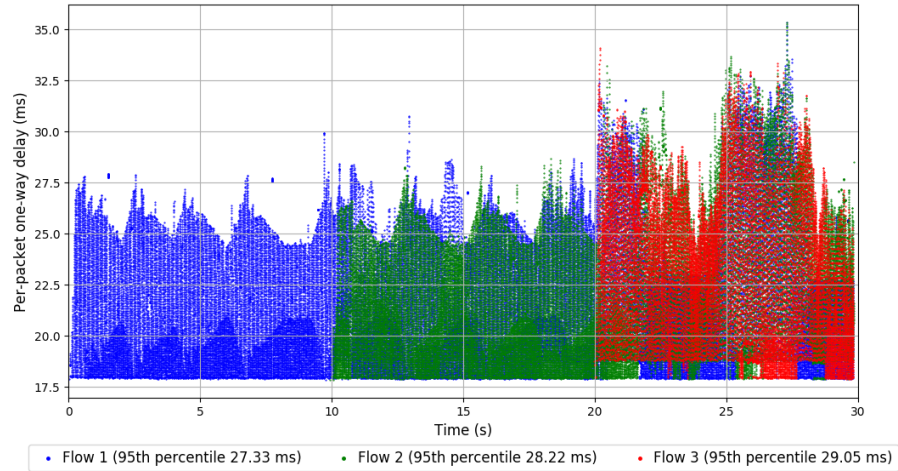
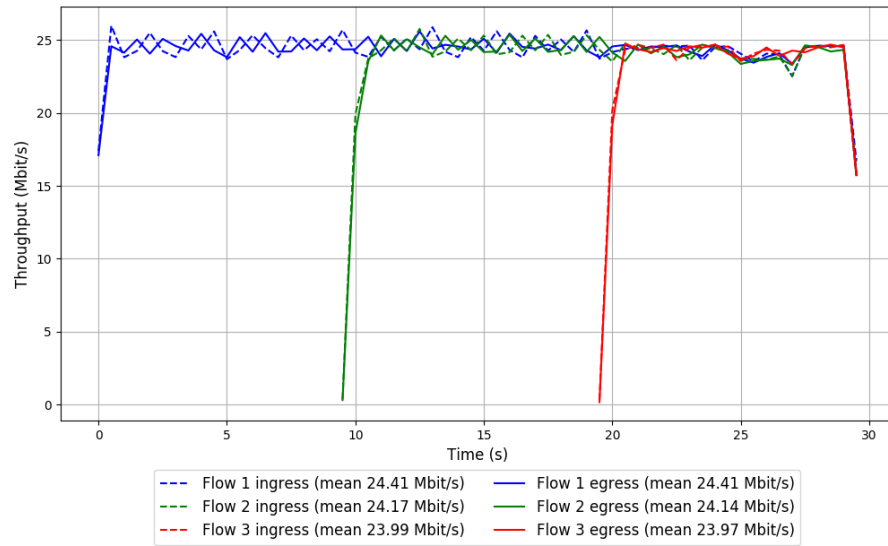
-- Flow 3:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 29.054 ms

Loss rate: 0.23%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 29 Jul 2017 09:08:51 +0000

End at: Sat, 29 Jul 2017 09:09:21 +0000

Local clock offset: 0.593 ms

Remote clock offset: -3.99 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 22.610 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 21.664 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 22.137 ms

Loss rate: 0.20%

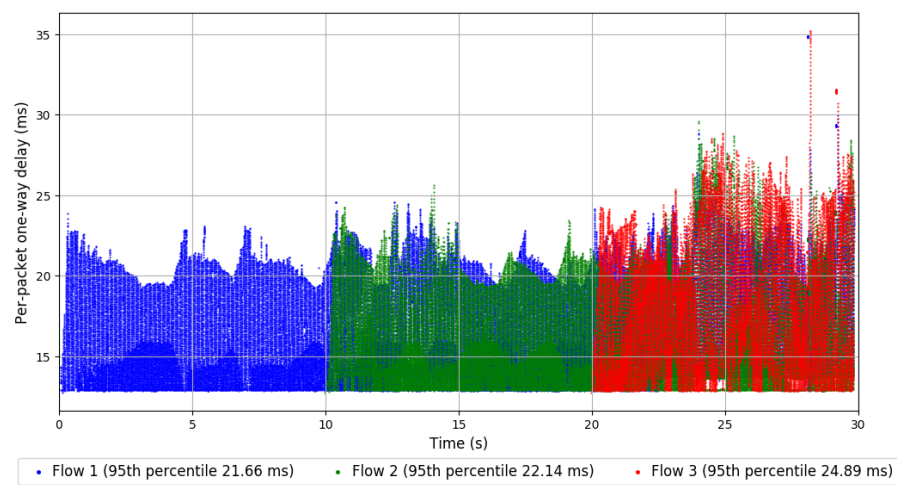
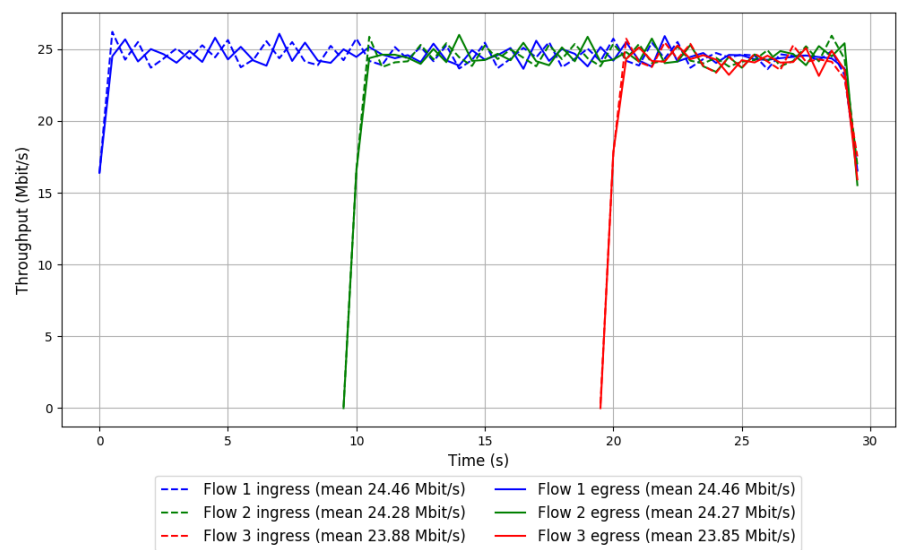
-- Flow 3:

Average throughput: 23.85 Mbit/s

95th percentile per-packet one-way delay: 24.891 ms

Loss rate: 0.42%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 29 Jul 2017 09:27:54 +0000

End at: Sat, 29 Jul 2017 09:28:24 +0000

Local clock offset: 0.859 ms

Remote clock offset: -3.781 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.62 Mbit/s

95th percentile per-packet one-way delay: 22.493 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 21.901 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 21.959 ms

Loss rate: 0.11%

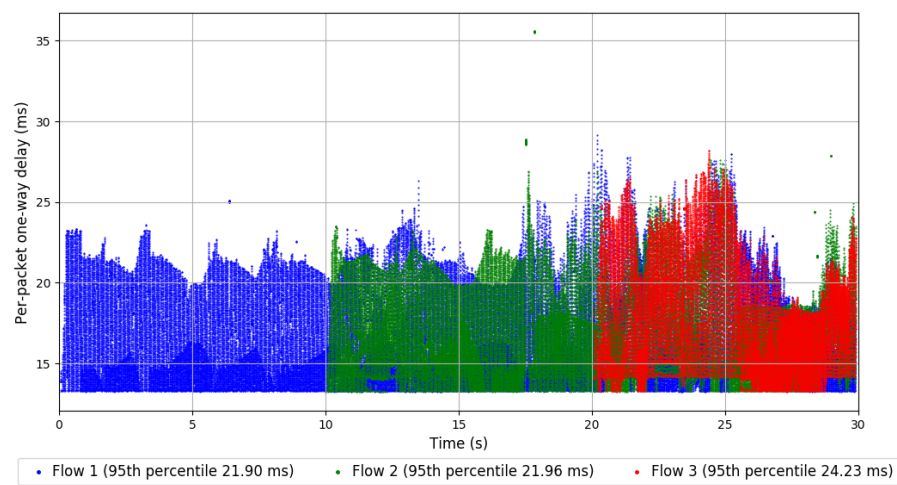
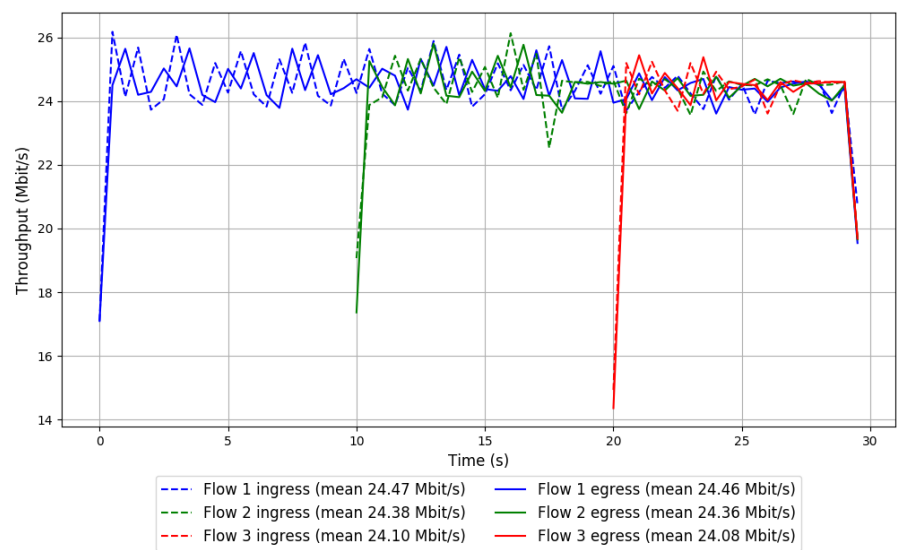
-- Flow 3:

Average throughput: 24.08 Mbit/s

95th percentile per-packet one-way delay: 24.229 ms

Loss rate: 0.21%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 29 Jul 2017 09:46:54 +0000

End at: Sat, 29 Jul 2017 09:47:24 +0000

Local clock offset: 3.573 ms

Remote clock offset: -3.881 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.44 Mbit/s

95th percentile per-packet one-way delay: 25.712 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 26.272 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 25.332 ms

Loss rate: 0.20%

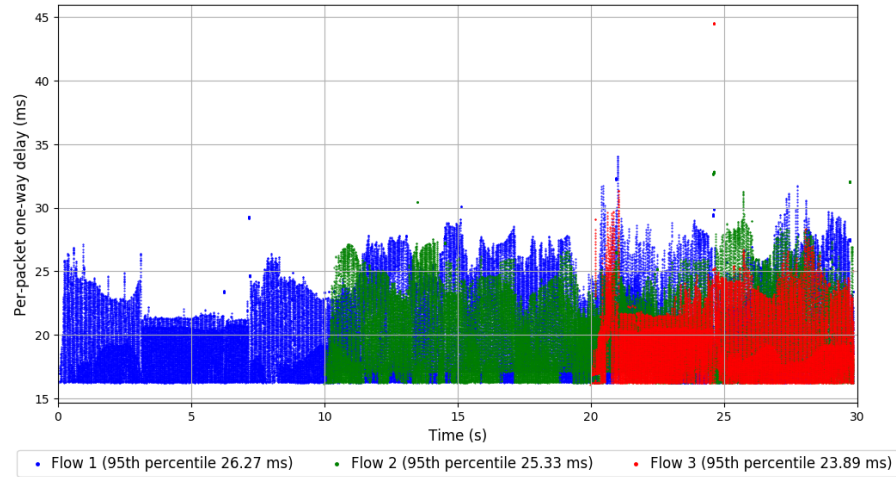
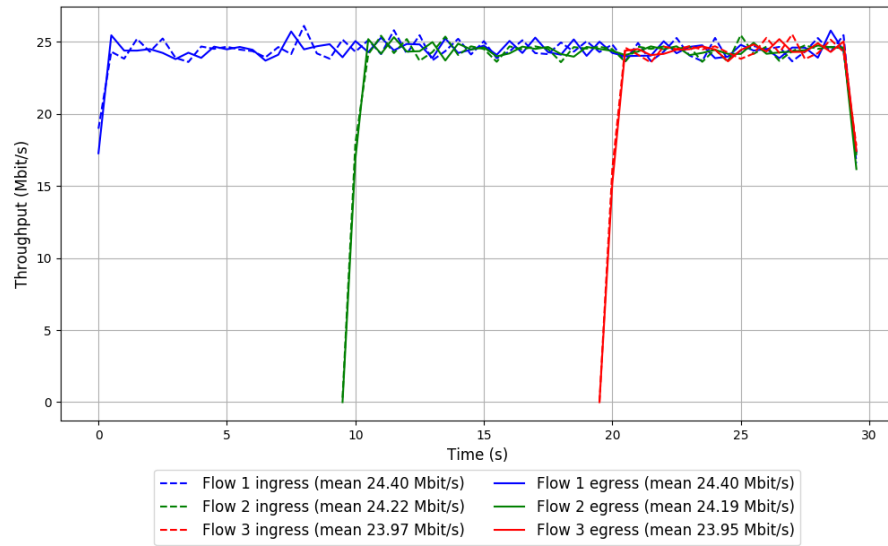
-- Flow 3:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 23.891 ms

Loss rate: 0.20%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 29 Jul 2017 10:05:35 +0000

End at: Sat, 29 Jul 2017 10:06:05 +0000

Local clock offset: 2.263 ms

Remote clock offset: -2.809 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.66 Mbit/s

95th percentile per-packet one-way delay: 22.321 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 21.856 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 22.714 ms

Loss rate: 0.11%

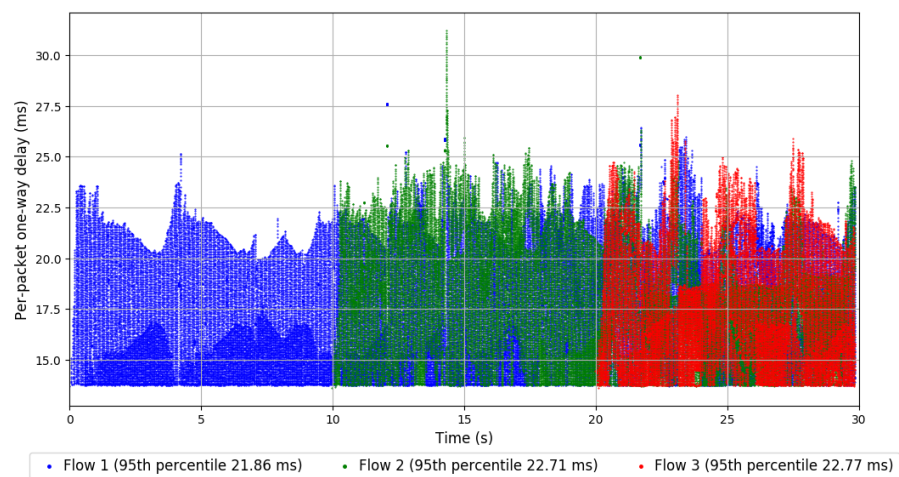
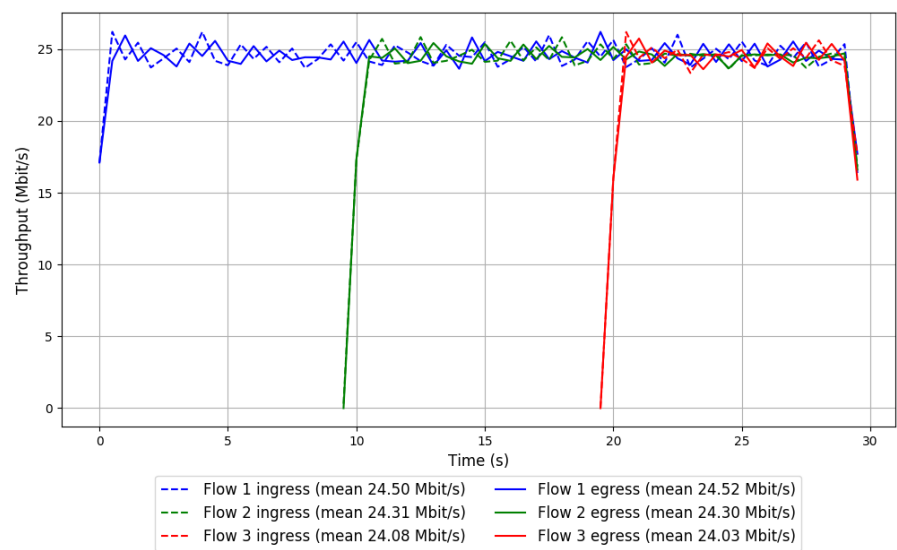
-- Flow 3:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 22.769 ms

Loss rate: 0.41%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 29 Jul 2017 10:24:28 +0000

End at: Sat, 29 Jul 2017 10:24:58 +0000

Local clock offset: 2.898 ms

Remote clock offset: -4.965 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:38:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 24.966 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 25.012 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 24.680 ms

Loss rate: 0.18%

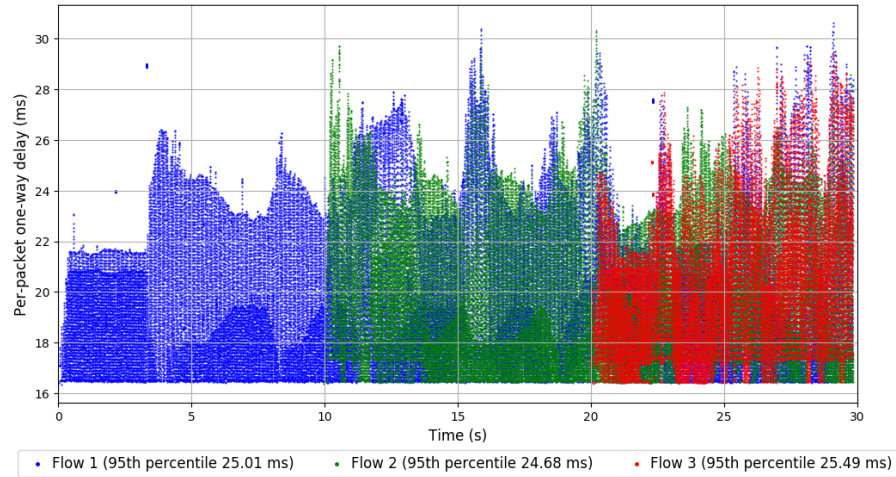
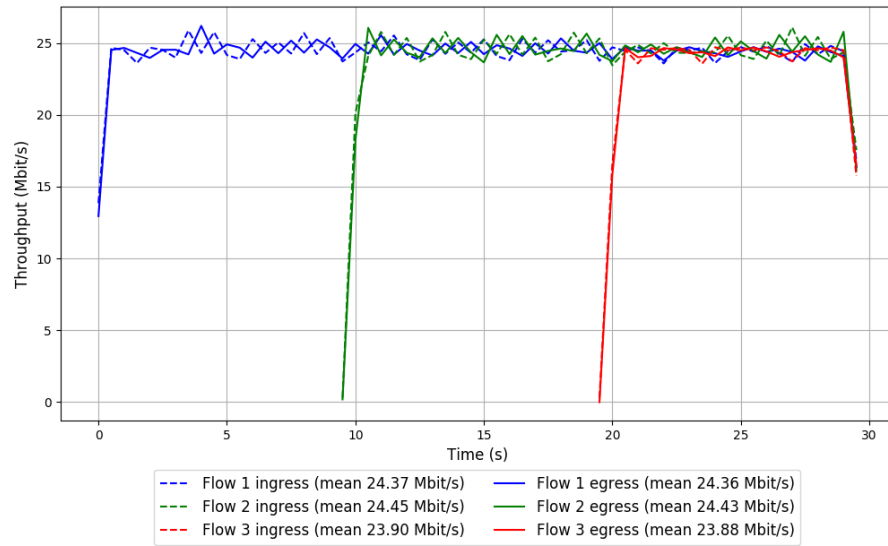
-- Flow 3:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 25.486 ms

Loss rate: 0.19%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 29 Jul 2017 10:43:15 +0000

End at: Sat, 29 Jul 2017 10:43:45 +0000

Local clock offset: 3.815 ms

Remote clock offset: -4.036 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:39:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 26.565 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 24.489 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 27.876 ms

Loss rate: 0.15%

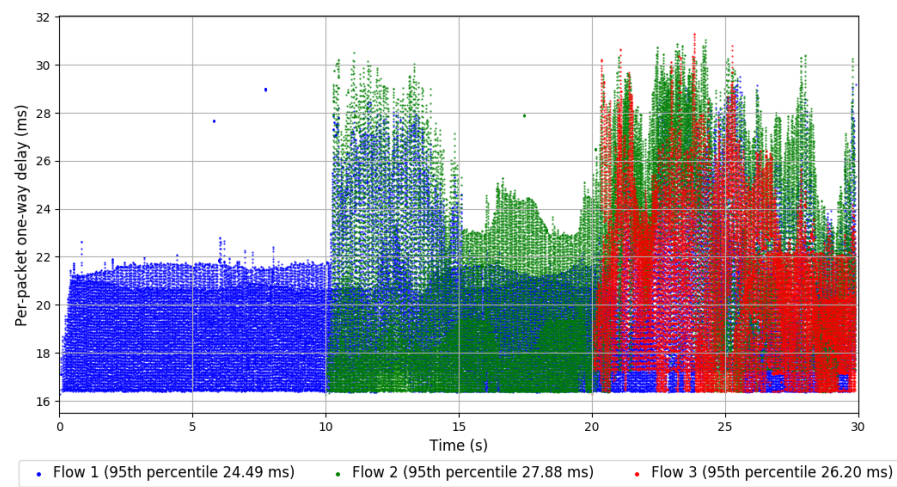
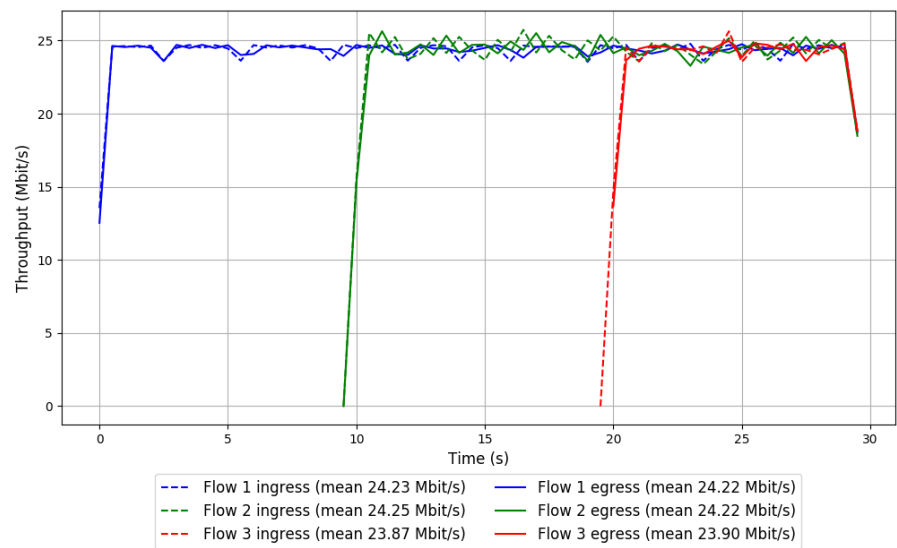
-- Flow 3:

Average throughput: 23.90 Mbit/s

95th percentile per-packet one-way delay: 26.204 ms

Loss rate: 0.24%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:53:15 +0000

End at: Sat, 29 Jul 2017 07:53:45 +0000

Local clock offset: 3.647 ms

Remote clock offset: -4.203 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:39:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 45.271 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.50 Mbit/s

95th percentile per-packet one-way delay: 45.088 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 45.324 ms

Loss rate: 0.22%

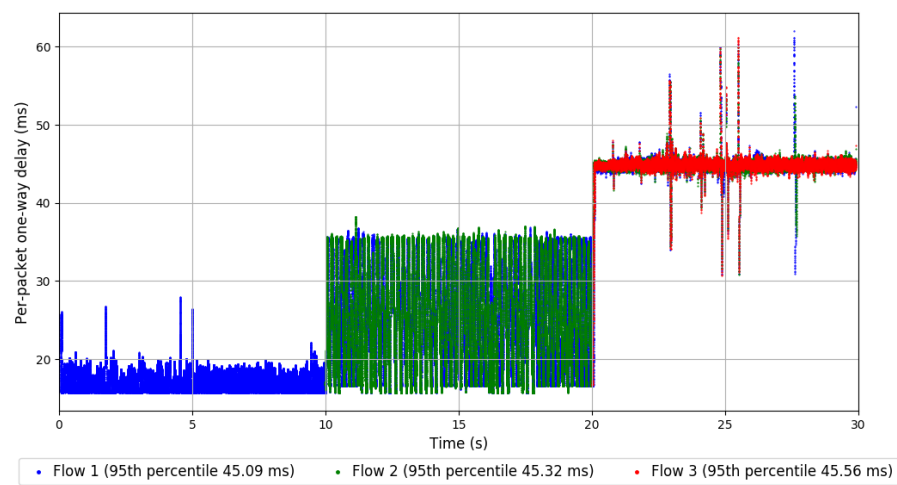
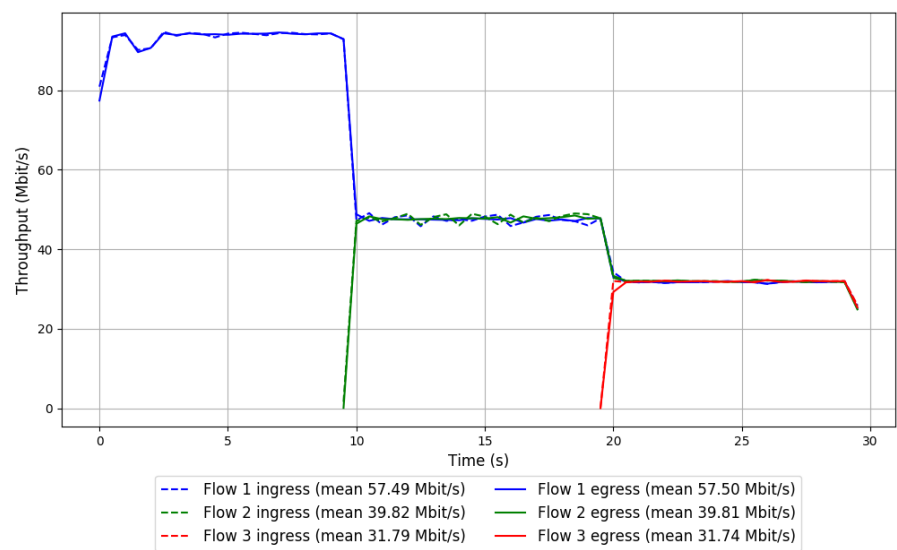
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 45.561 ms

Loss rate: 0.55%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 08:12:09 +0000

End at: Sat, 29 Jul 2017 08:12:39 +0000

Local clock offset: 2.87 ms

Remote clock offset: -6.059 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:39:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 47.256 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 47.047 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 47.242 ms

Loss rate: 0.22%

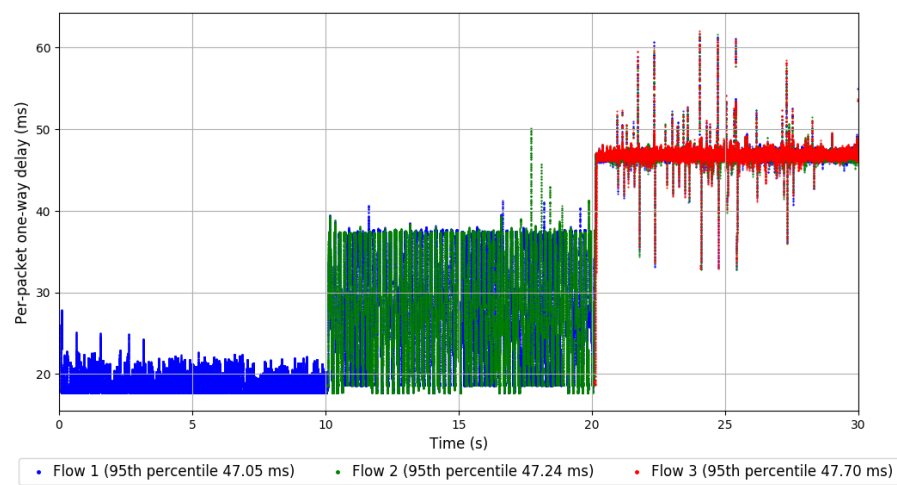
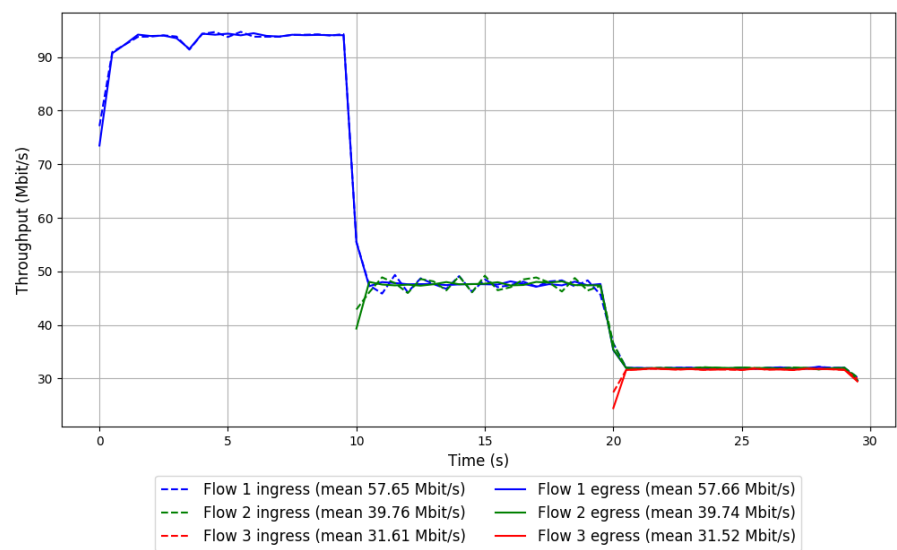
-- Flow 3:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 47.701 ms

Loss rate: 0.55%

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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 08:31:10 +0000

End at: Sat, 29 Jul 2017 08:31:40 +0000

Local clock offset: 5.033 ms

Remote clock offset: -5.966 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:39:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 49.304 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 57.25 Mbit/s

95th percentile per-packet one-way delay: 49.168 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 49.398 ms

Loss rate: 0.22%

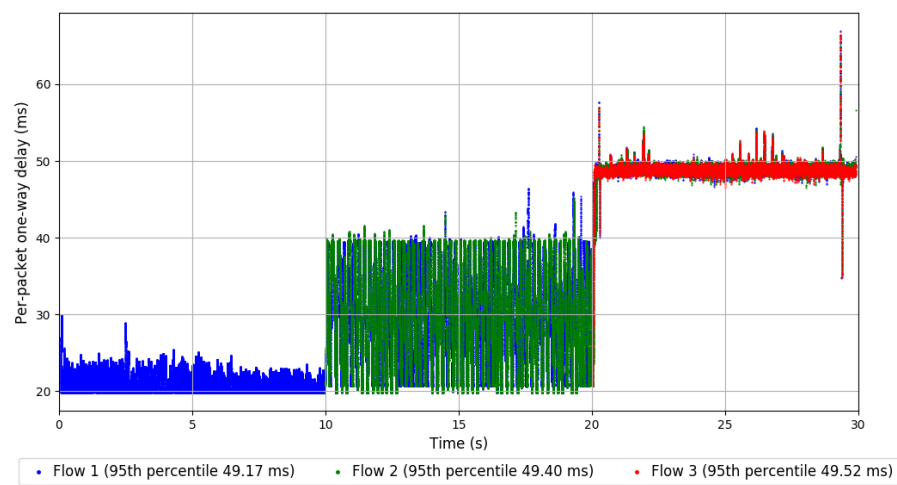
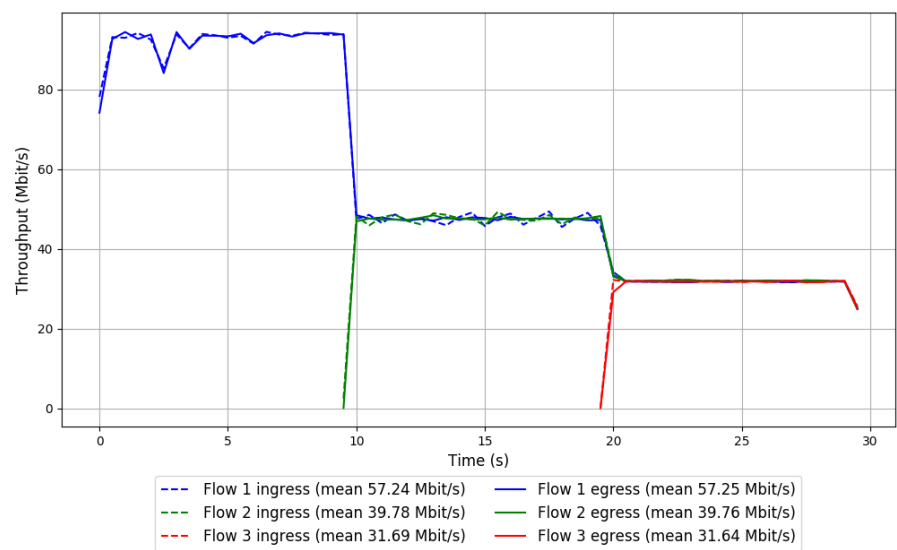
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 49.521 ms

Loss rate: 0.57%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 08:50:51 +0000

End at: Sat, 29 Jul 2017 08:51:21 +0000

Local clock offset: 4.693 ms

Remote clock offset: -3.52 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:39:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 53.341 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 62.73 Mbit/s

95th percentile per-packet one-way delay: 36.586 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 36.07 Mbit/s

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

Loss rate: 0.19%

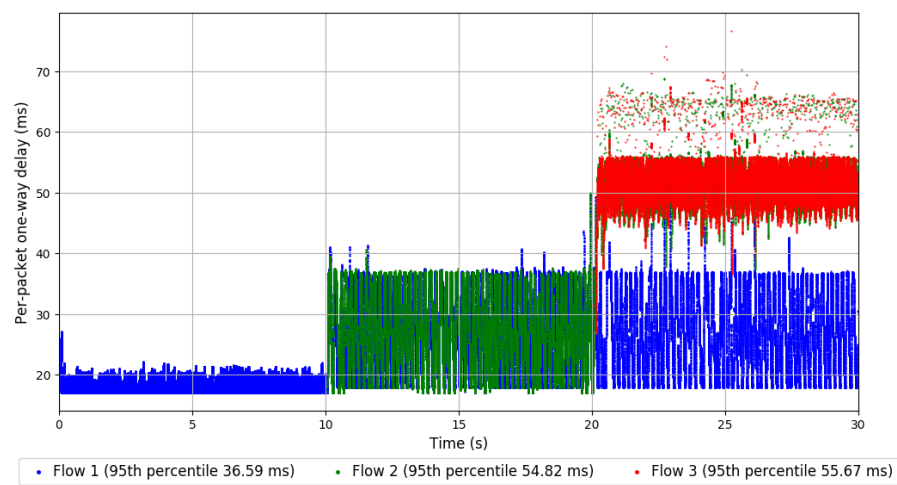
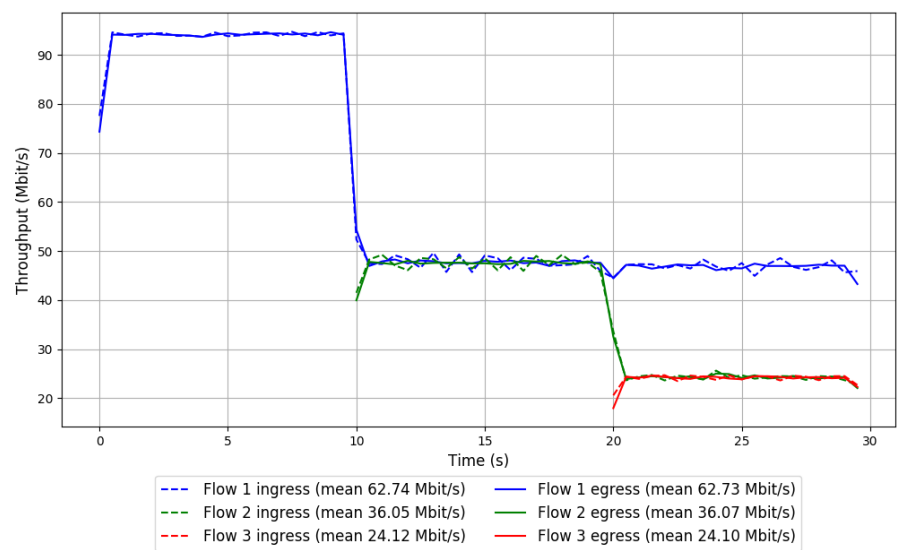
-- Flow 3:

Average throughput: 24.10 Mbit/s

95th percentile per-packet one-way delay: 55.675 ms

Loss rate: 0.65%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 09:10:01 +0000

End at: Sat, 29 Jul 2017 09:10:31 +0000

Local clock offset: 3.27 ms

Remote clock offset: -4.464 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:40:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 53.648 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 55.09 Mbit/s

95th percentile per-packet one-way delay: 53.324 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 35.69 Mbit/s

95th percentile per-packet one-way delay: 54.305 ms

Loss rate: 0.21%

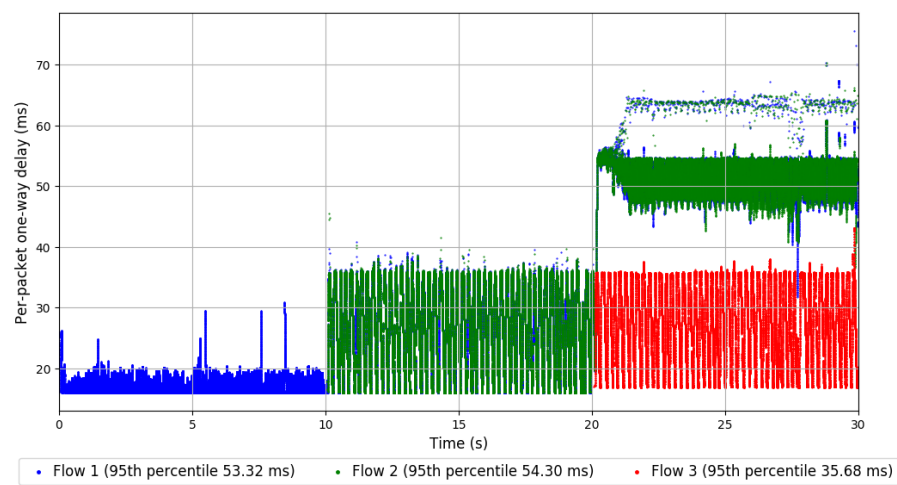
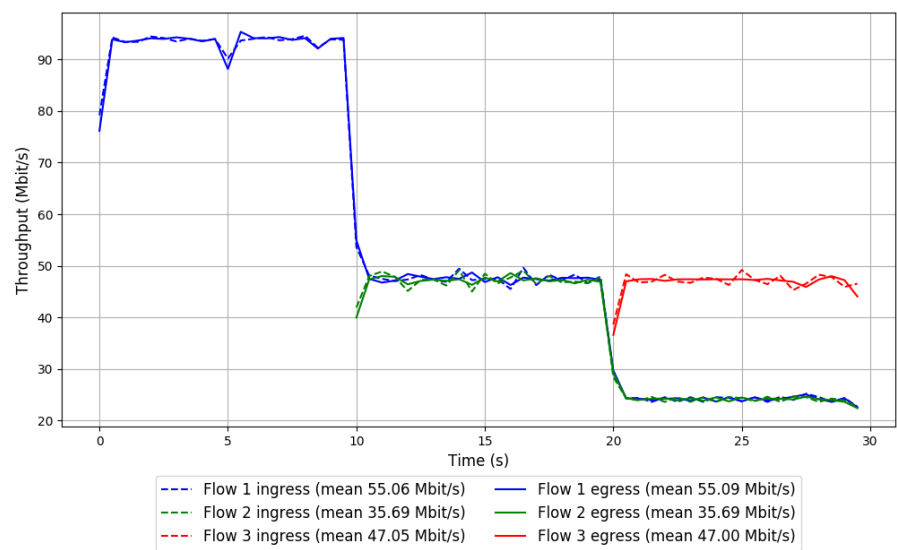
-- Flow 3:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 35.679 ms

Loss rate: 0.45%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 09:29:03 +0000

End at: Sat, 29 Jul 2017 09:29:33 +0000

Local clock offset: 3.276 ms

Remote clock offset: -3.478 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:40:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 52.450 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 62.24 Mbit/s

95th percentile per-packet one-way delay: 34.972 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.21%

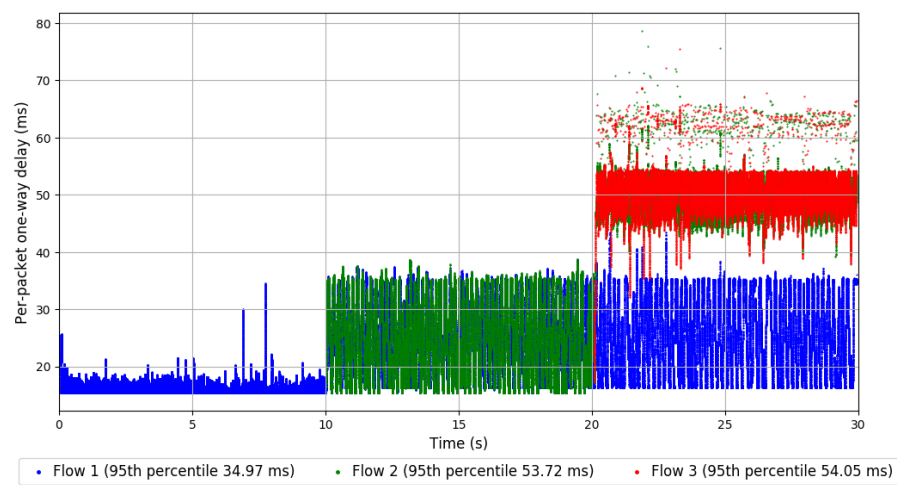
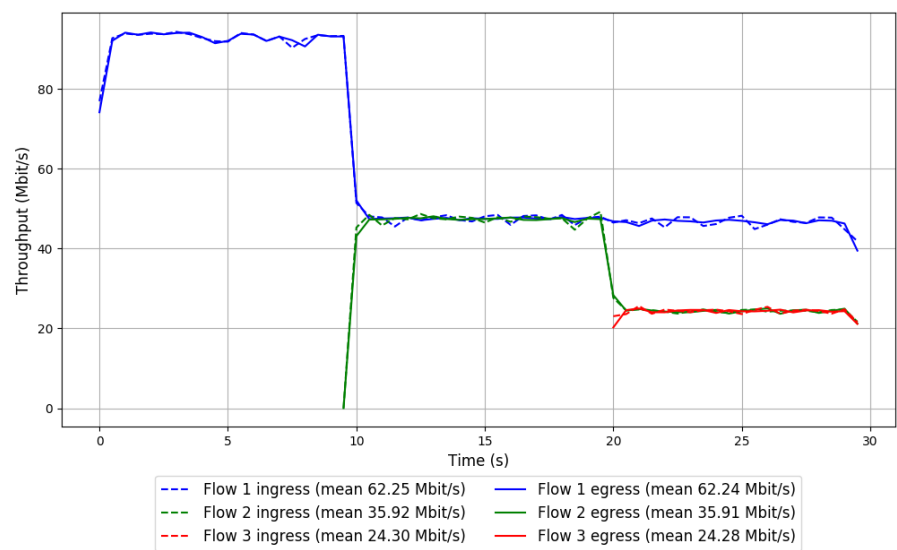
-- Flow 3:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 54.055 ms

Loss rate: 0.61%

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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 09:48:03 +0000

End at: Sat, 29 Jul 2017 09:48:33 +0000

Local clock offset: 2.193 ms

Remote clock offset: -3.12 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:40:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 51.293 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 50.930 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 52.375 ms

Loss rate: 0.22%

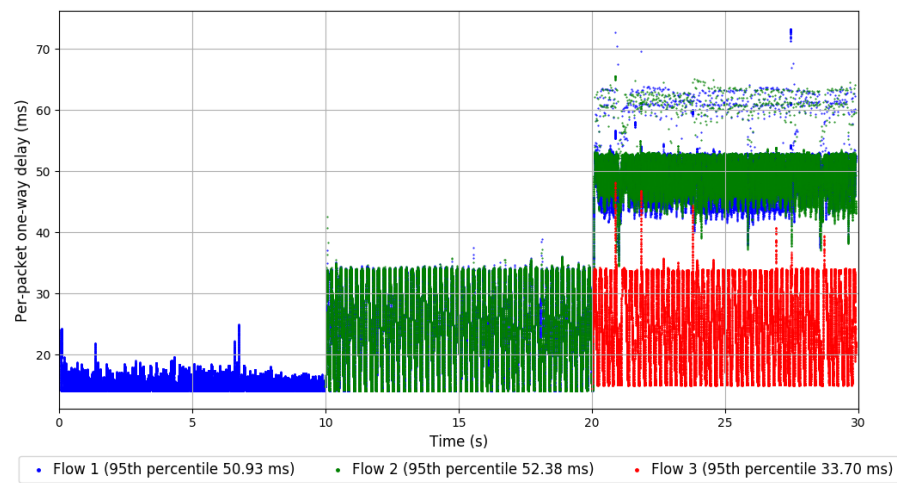
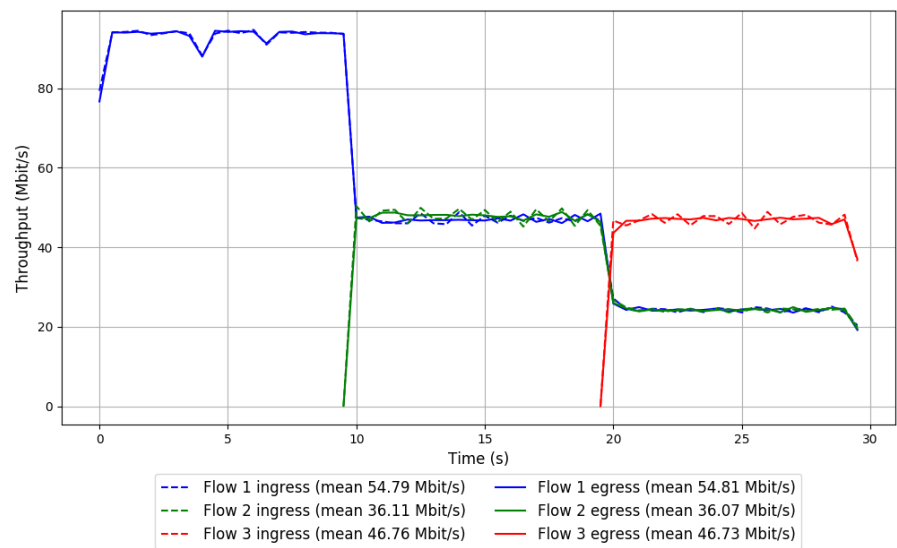
-- Flow 3:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 33.697 ms

Loss rate: 0.27%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 10:06:45 +0000

End at: Sat, 29 Jul 2017 10:07:15 +0000

Local clock offset: 3.639 ms

Remote clock offset: -3.749 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:40:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 53.045 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 52.641 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 47.18 Mbit/s

95th percentile per-packet one-way delay: 35.773 ms

Loss rate: 0.17%

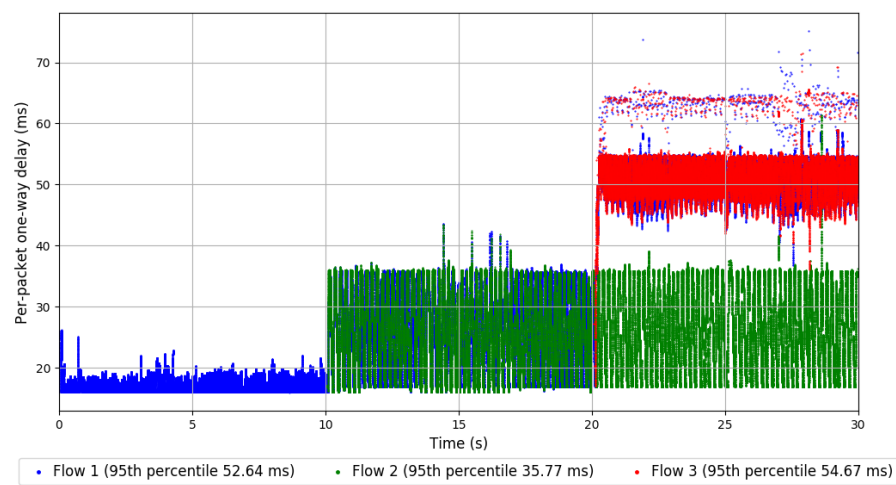
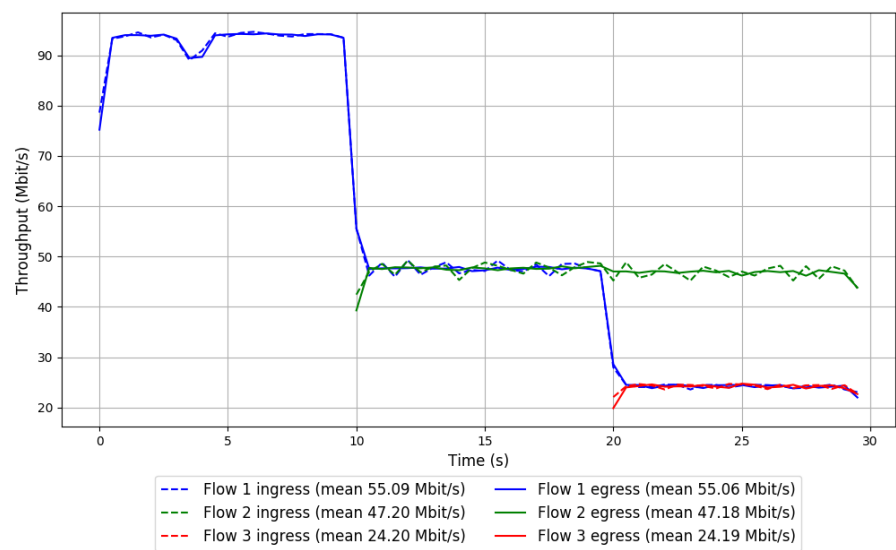
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 54.671 ms

Loss rate: 0.57%

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



Run 9: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 10:25:38 +0000

End at: Sat, 29 Jul 2017 10:26:08 +0000

Local clock offset: 3.636 ms

Remote clock offset: -4.5 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:40:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 46.220 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 46.028 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 46.325 ms

Loss rate: 0.22%

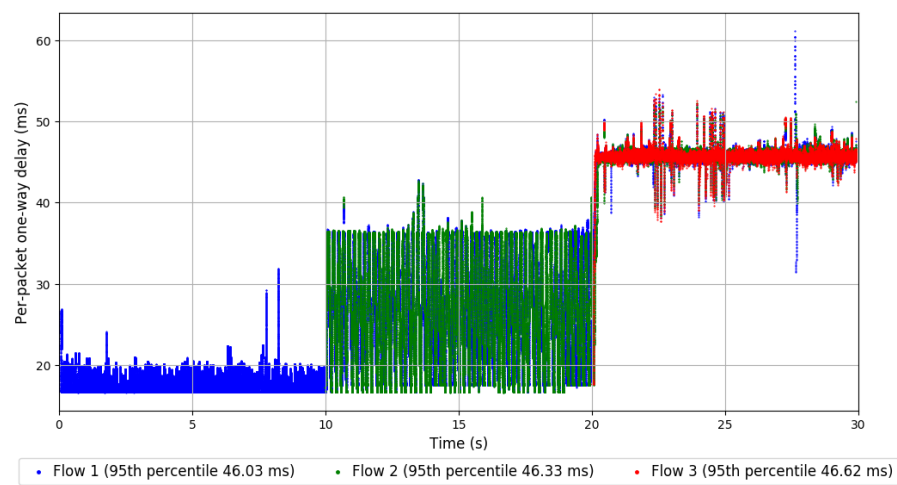
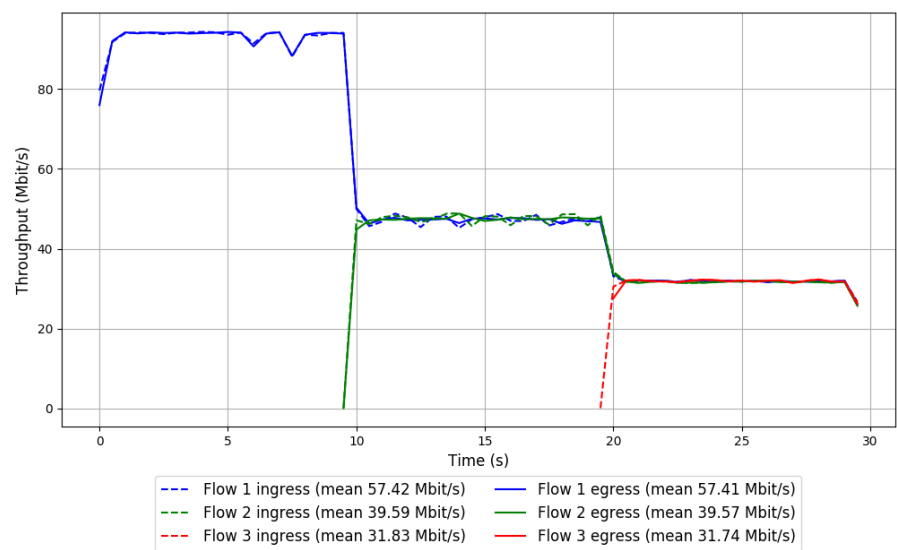
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 46.616 ms

Loss rate: 0.54%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 10:44:25 +0000

End at: Sat, 29 Jul 2017 10:44:55 +0000

Local clock offset: -0.909 ms

Remote clock offset: -10.497 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:40:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 54.626 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 54.303 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 47.14 Mbit/s

95th percentile per-packet one-way delay: 37.625 ms

Loss rate: 0.14%

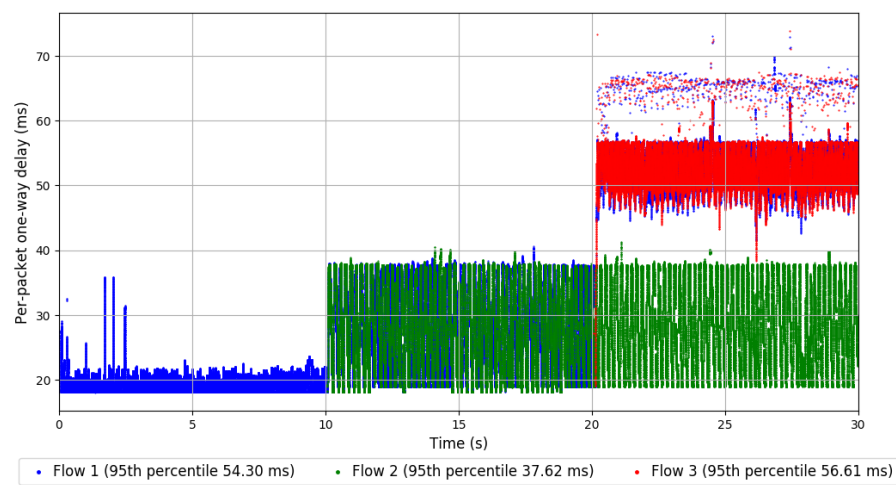
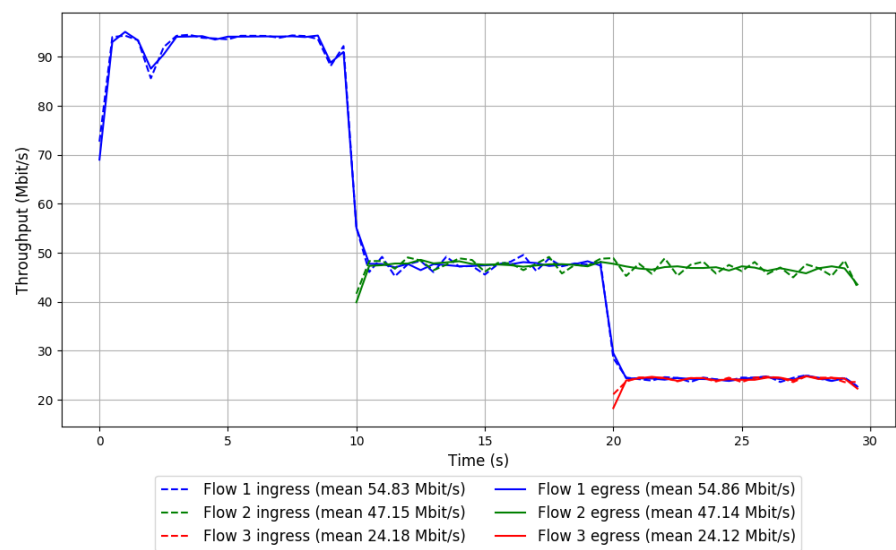
-- Flow 3:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 56.606 ms

Loss rate: 0.70%

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



Run 1: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:41:43 +0000

End at: Sat, 29 Jul 2017 07:42:13 +0000

Local clock offset: 1.391 ms

Remote clock offset: -3.233 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 57.720 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 56.86 Mbit/s

95th percentile per-packet one-way delay: 57.667 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 35.057 ms

Loss rate: 0.13%

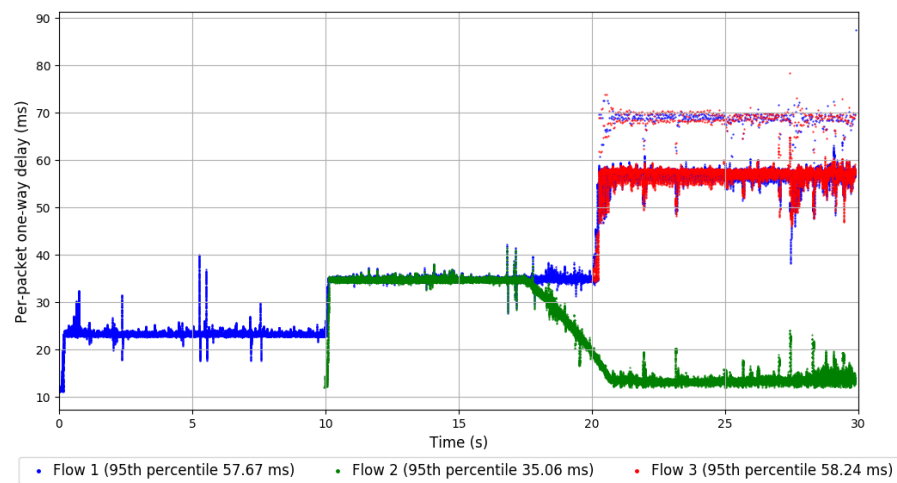
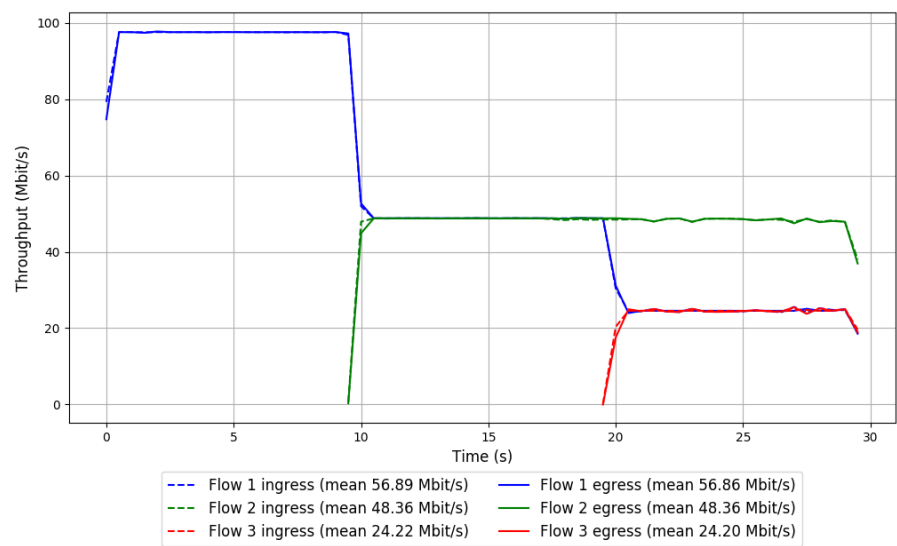
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 58.238 ms

Loss rate: 0.73%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 08:01:02 +0000

End at: Sat, 29 Jul 2017 08:01:32 +0000

Local clock offset: 3.212 ms

Remote clock offset: -3.636 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 48.981 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 61.53 Mbit/s

95th percentile per-packet one-way delay: 49.659 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 29.53 Mbit/s

95th percentile per-packet one-way delay: 51.152 ms

Loss rate: 0.03%

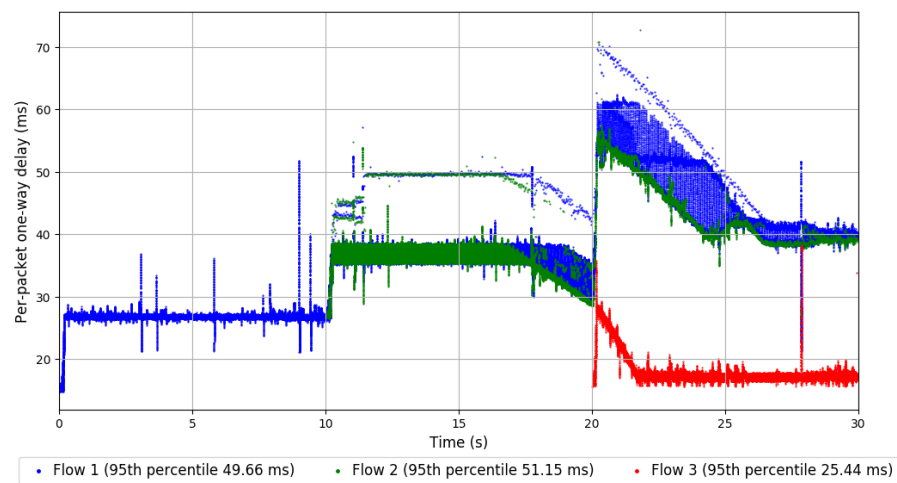
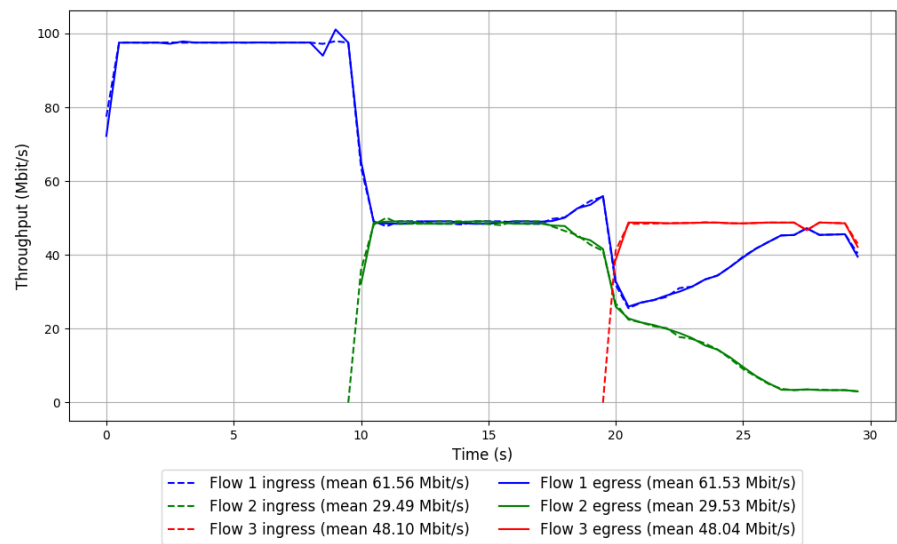
-- Flow 3:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 25.443 ms

Loss rate: 0.28%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 08:20:03 +0000

End at: Sat, 29 Jul 2017 08:20:33 +0000

Local clock offset: 3.339 ms

Remote clock offset: -5.932 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 52.338 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 62.07 Mbit/s

95th percentile per-packet one-way delay: 41.979 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 53.261 ms

Loss rate: 0.23%

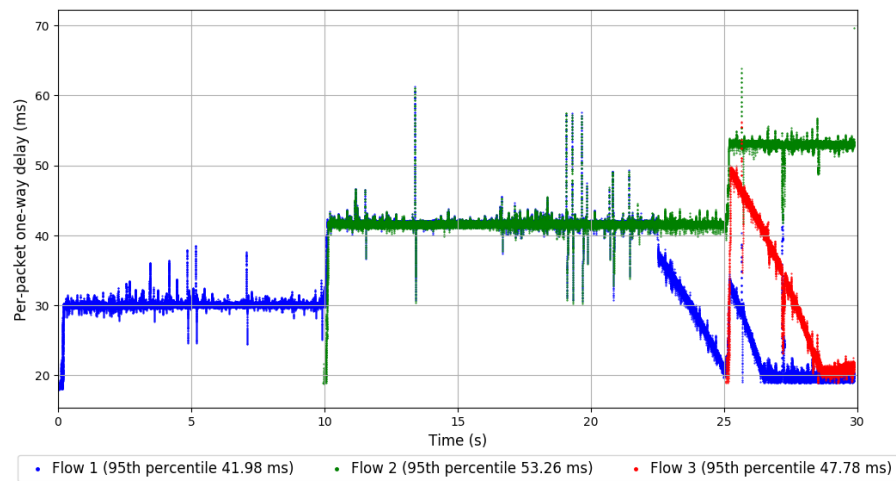
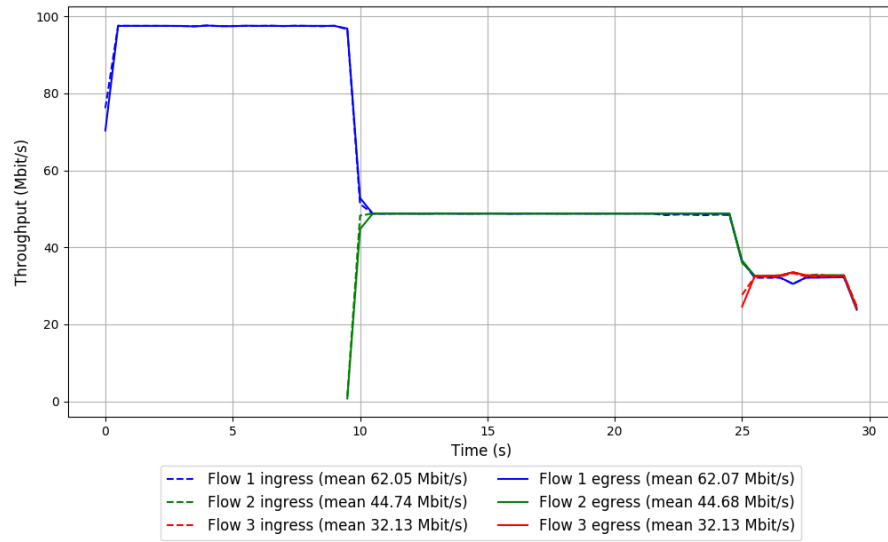
-- Flow 3:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 47.783 ms

Loss rate: 0.59%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 08:39:22 +0000

End at: Sat, 29 Jul 2017 08:39:52 +0000

Local clock offset: 4.057 ms

Remote clock offset: -5.814 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 45.503 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 63.24 Mbit/s

95th percentile per-packet one-way delay: 45.333 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 45.826 ms

Loss rate: 0.26%

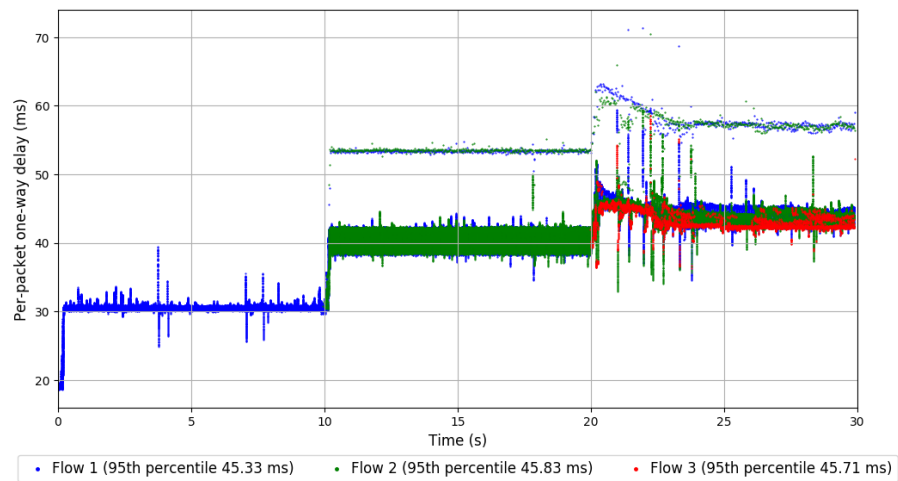
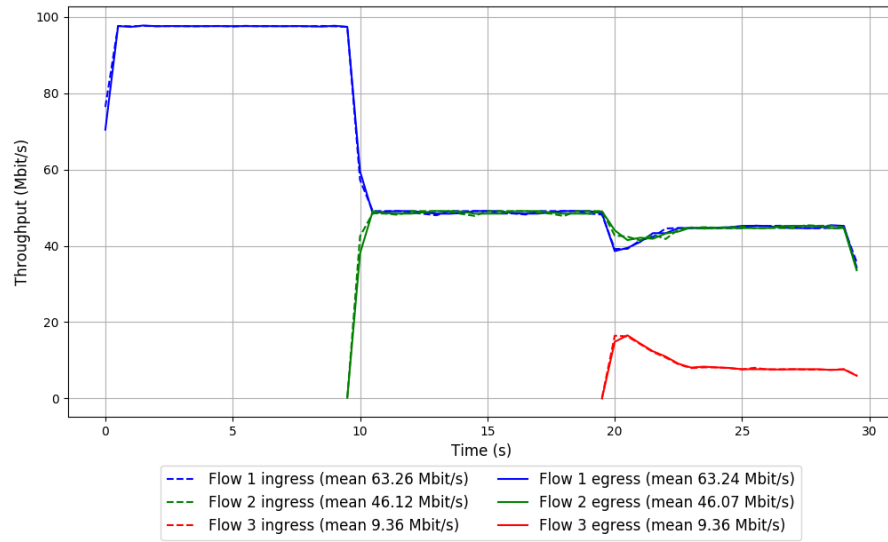
-- Flow 3:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 45.712 ms

Loss rate: 0.40%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 08:58:42 +0000

End at: Sat, 29 Jul 2017 08:59:12 +0000

Local clock offset: 2.903 ms

Remote clock offset: -4.031 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 50.836 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 59.78 Mbit/s

95th percentile per-packet one-way delay: 50.960 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 39.717 ms

Loss rate: 0.12%

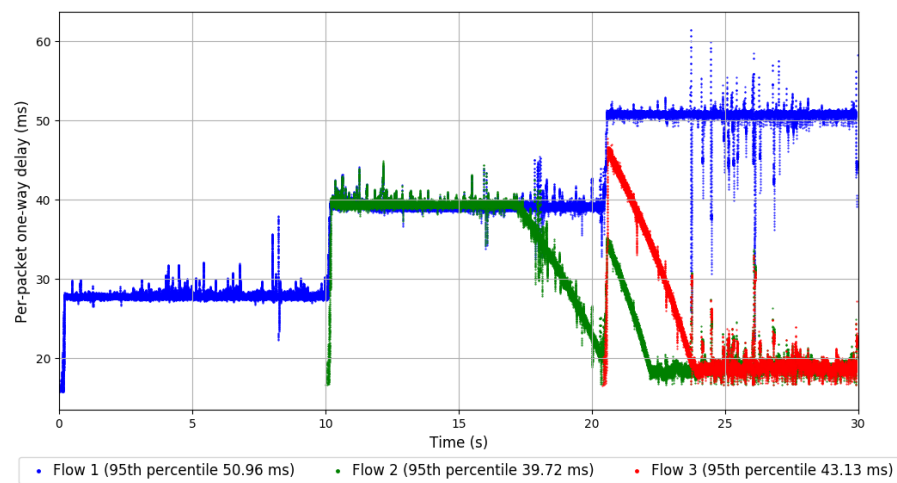
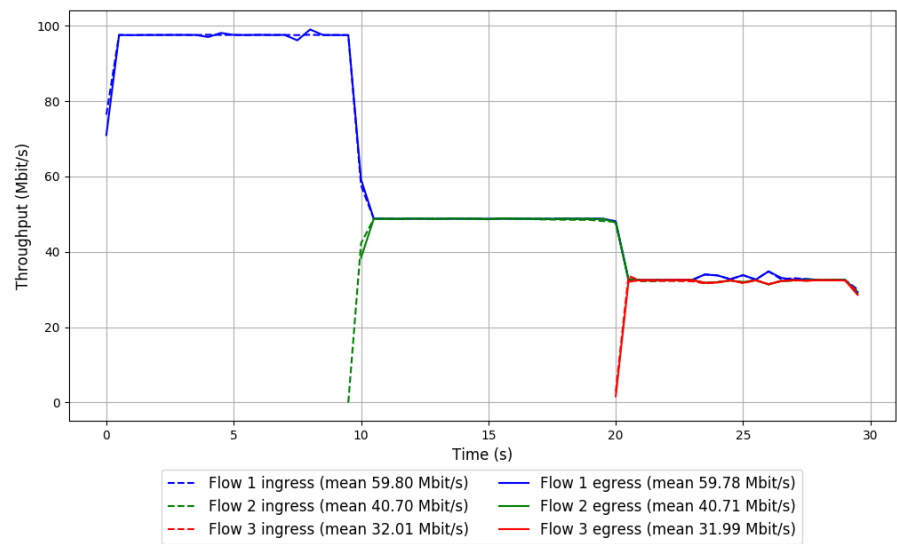
-- Flow 3:

Average throughput: 31.99 Mbit/s

95th percentile per-packet one-way delay: 43.131 ms

Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 09:17:56 +0000

End at: Sat, 29 Jul 2017 09:18:26 +0000

Local clock offset: 2.804 ms

Remote clock offset: -3.514 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 49.112 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 61.29 Mbit/s

95th percentile per-packet one-way delay: 49.014 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 30.36 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.02%

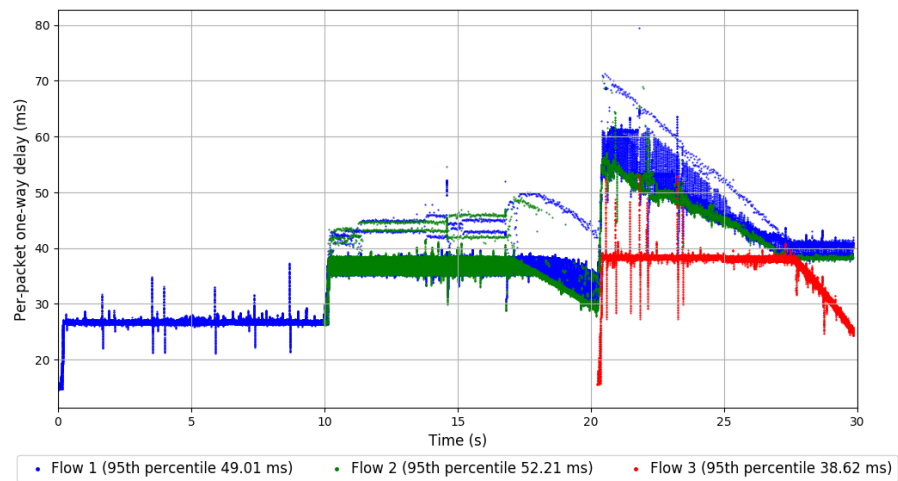
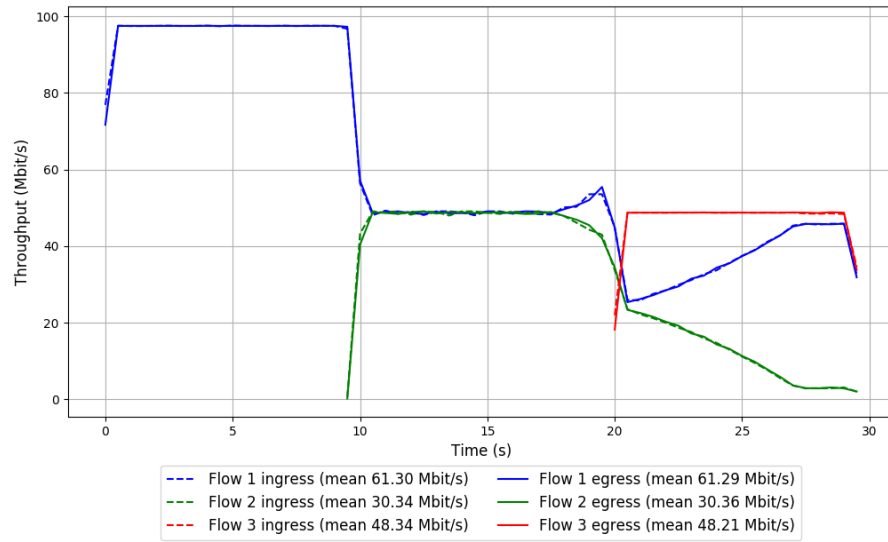
-- Flow 3:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 38.621 ms

Loss rate: 0.37%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 09:36:51 +0000

End at: Sat, 29 Jul 2017 09:37:21 +0000

Local clock offset: 2.611 ms

Remote clock offset: -2.972 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 60.404 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 60.92 Mbit/s

95th percentile per-packet one-way delay: 58.984 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 48.47 Mbit/s

95th percentile per-packet one-way delay: 38.375 ms

Loss rate: 0.15%

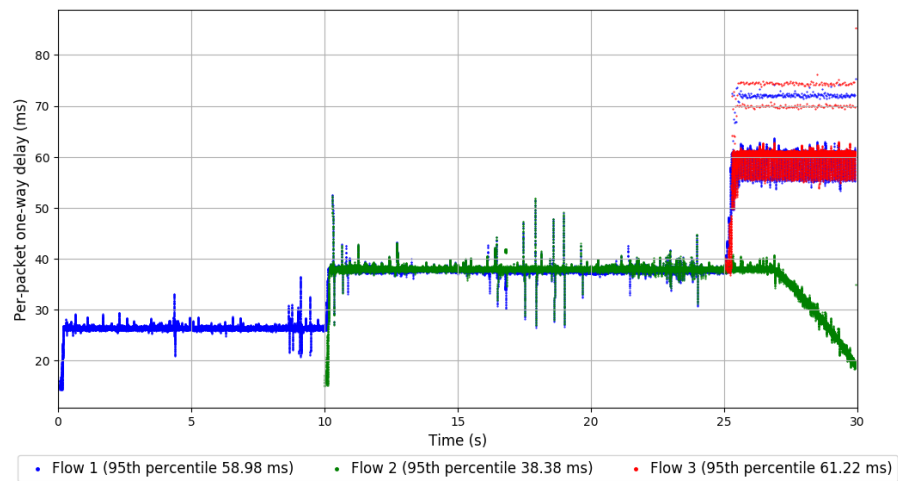
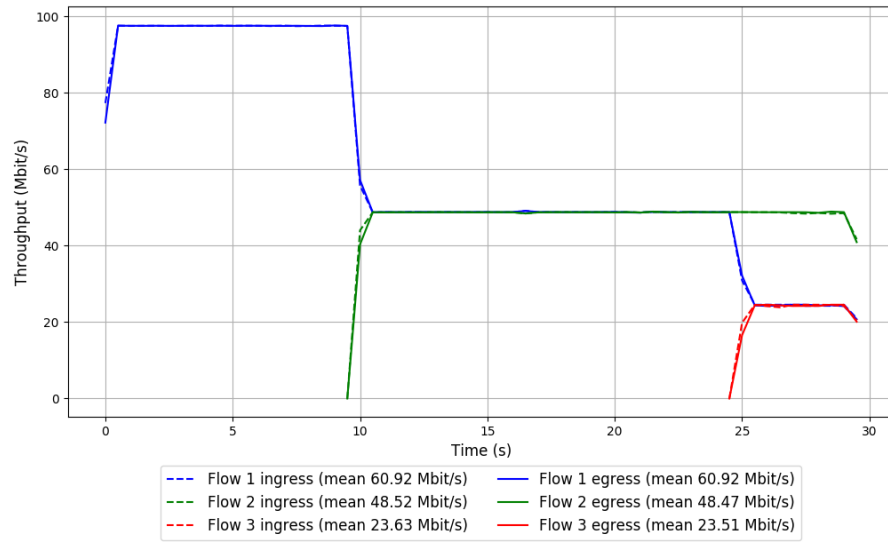
-- Flow 3:

Average throughput: 23.51 Mbit/s

95th percentile per-packet one-way delay: 61.223 ms

Loss rate: 1.44%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 09:55:44 +0000

End at: Sat, 29 Jul 2017 09:56:14 +0000

Local clock offset: 2.029 ms

Remote clock offset: -3.682 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 49.745 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 49.651 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 44.51 Mbit/s

95th percentile per-packet one-way delay: 49.862 ms

Loss rate: 0.22%

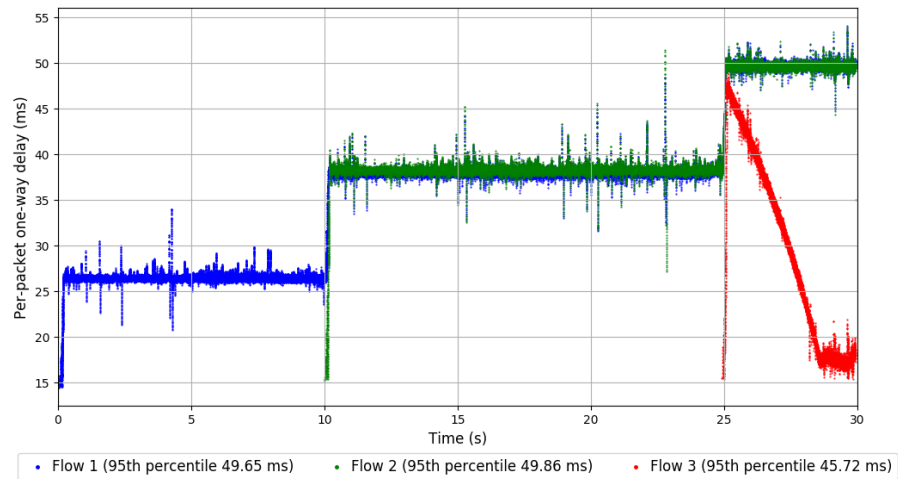
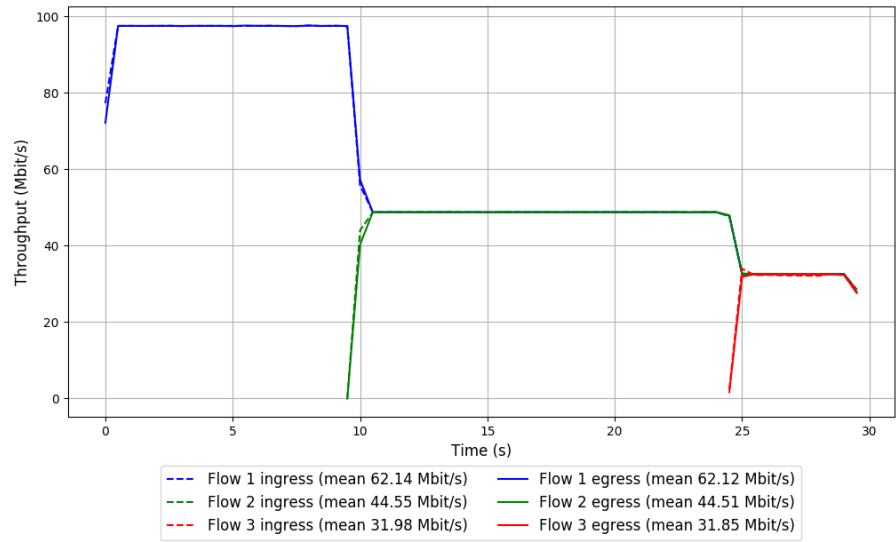
-- Flow 3:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 45.718 ms

Loss rate: 0.57%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 10:14:24 +0000

End at: Sat, 29 Jul 2017 10:14:54 +0000

Local clock offset: 1.355 ms

Remote clock offset: -3.51 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 48.676 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 59.52 Mbit/s

95th percentile per-packet one-way delay: 48.841 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 37.353 ms

Loss rate: 0.11%

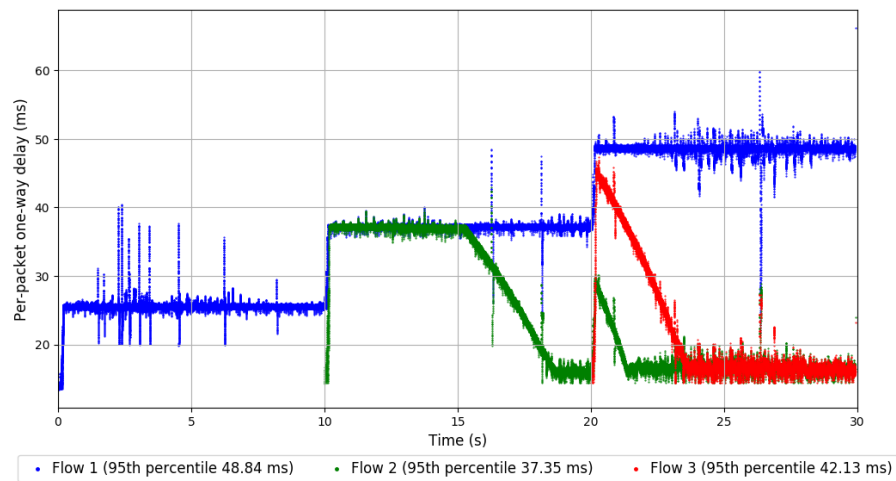
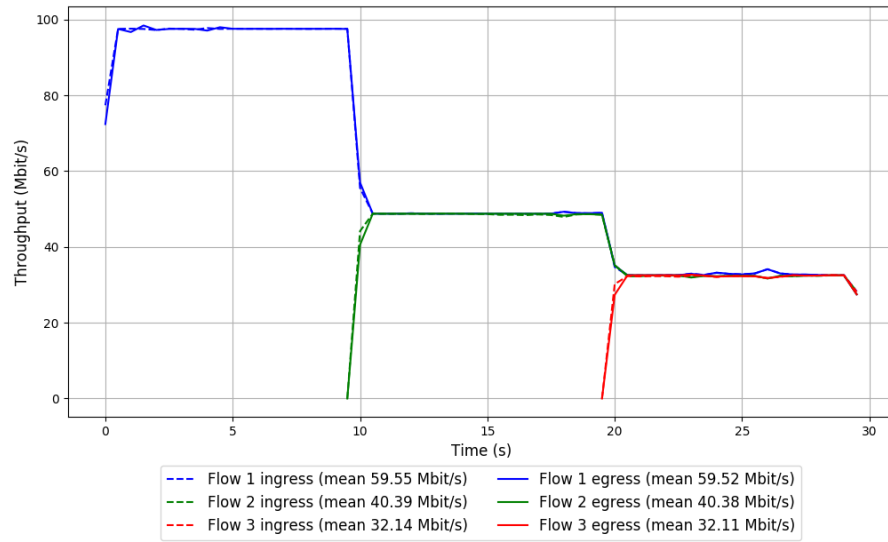
-- Flow 3:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 42.132 ms

Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 10:33:23 +0000

End at: Sat, 29 Jul 2017 10:33:53 +0000

Local clock offset: 2.612 ms

Remote clock offset: -3.918 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:41:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 61.607 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 61.554 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 39.120 ms

Loss rate: 0.14%

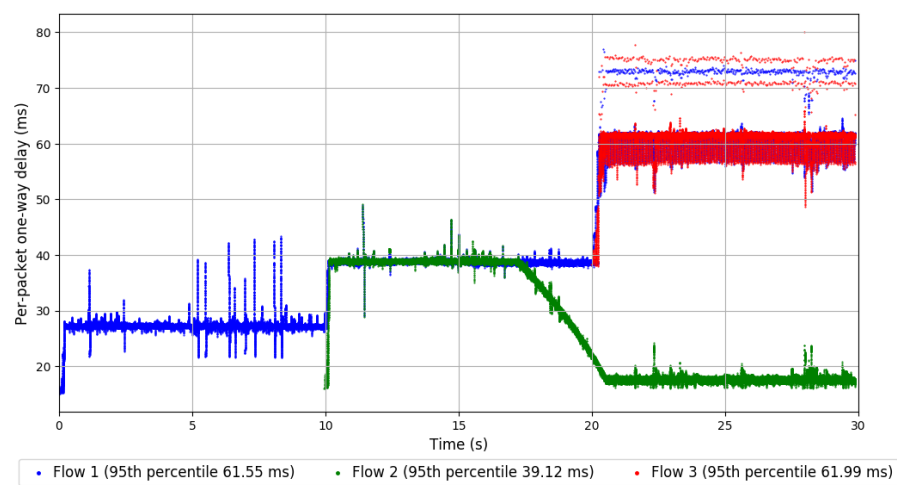
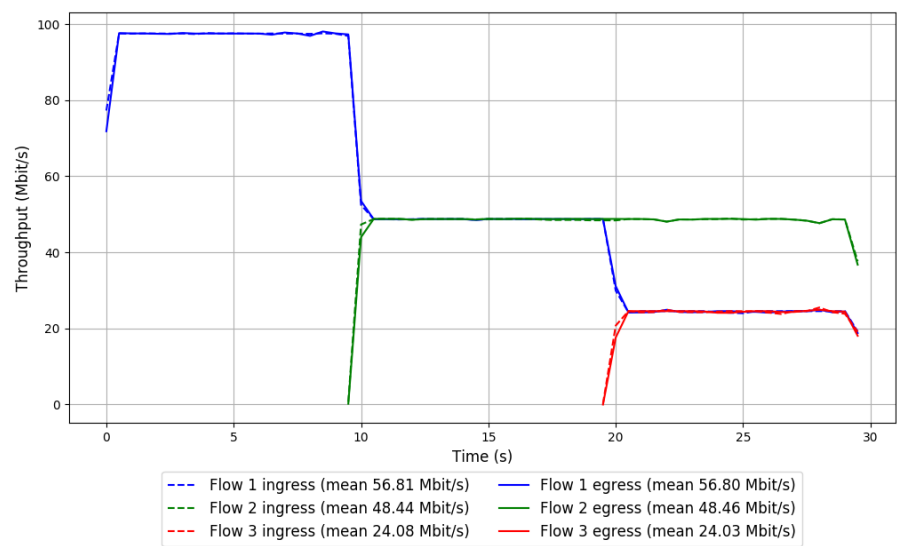
-- Flow 3:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 61.990 ms

Loss rate: 0.72%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:45:33 +0000

End at: Sat, 29 Jul 2017 07:46:03 +0000

Local clock offset: 3.854 ms

Remote clock offset: -3.653 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 49.010 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 48.551 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 41.09 Mbit/s

95th percentile per-packet one-way delay: 49.018 ms

Loss rate: 0.23%

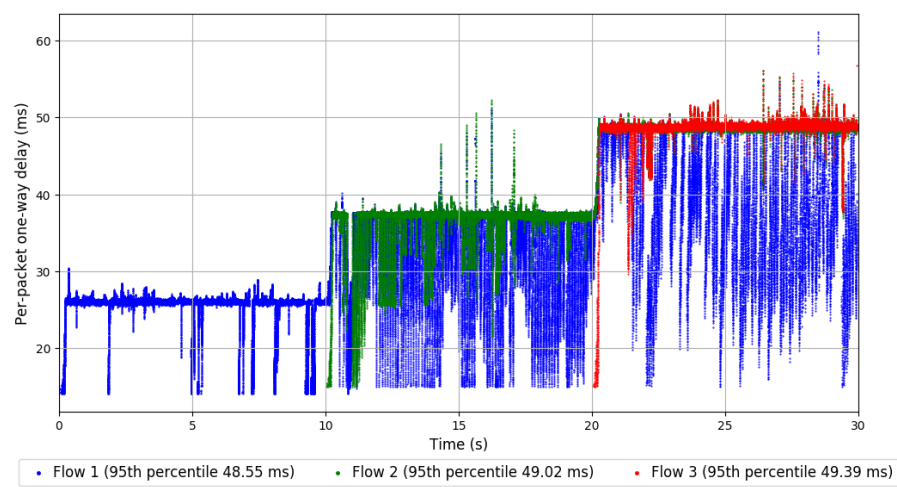
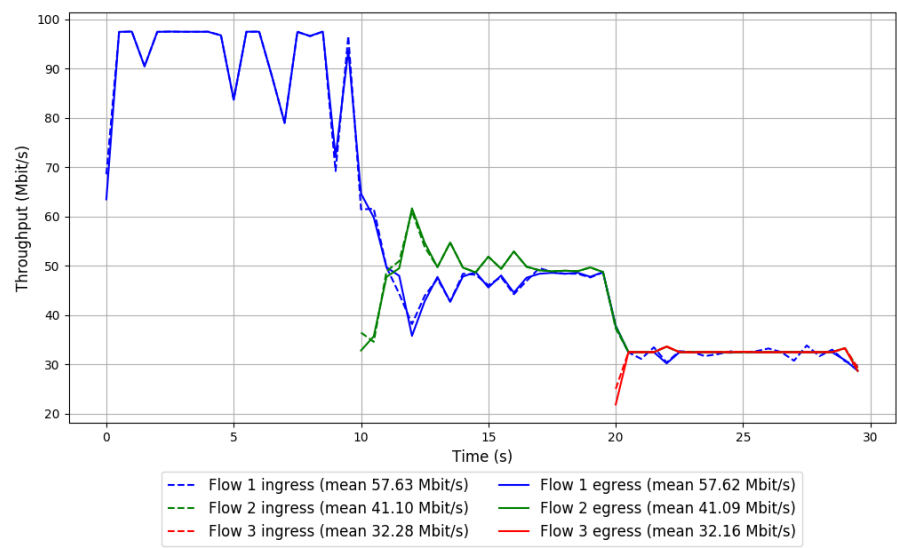
-- Flow 3:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 49.386 ms

Loss rate: 0.60%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 29 Jul 2017 08:04:44 +0000

End at: Sat, 29 Jul 2017 08:05:14 +0000

Local clock offset: 0.82 ms

Remote clock offset: -3.323 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 57.619 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 57.184 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 57.968 ms

Loss rate: 0.25%

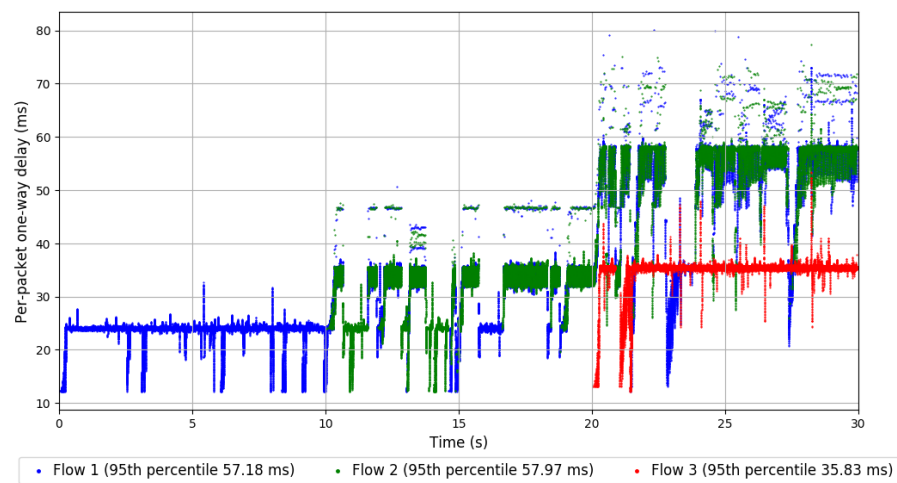
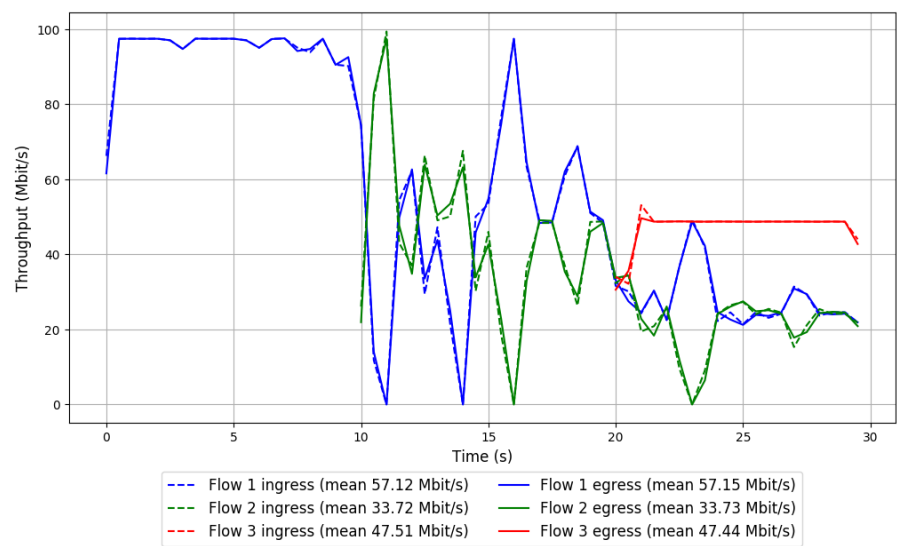
-- Flow 3:

Average throughput: 47.44 Mbit/s

95th percentile per-packet one-way delay: 35.829 ms

Loss rate: 0.50%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 29 Jul 2017 08:23:51 +0000

End at: Sat, 29 Jul 2017 08:24:21 +0000

Local clock offset: 2.766 ms

Remote clock offset: -5.662 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 63.031 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 62.991 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 41.52 Mbit/s

95th percentile per-packet one-way delay: 63.203 ms

Loss rate: 0.21%

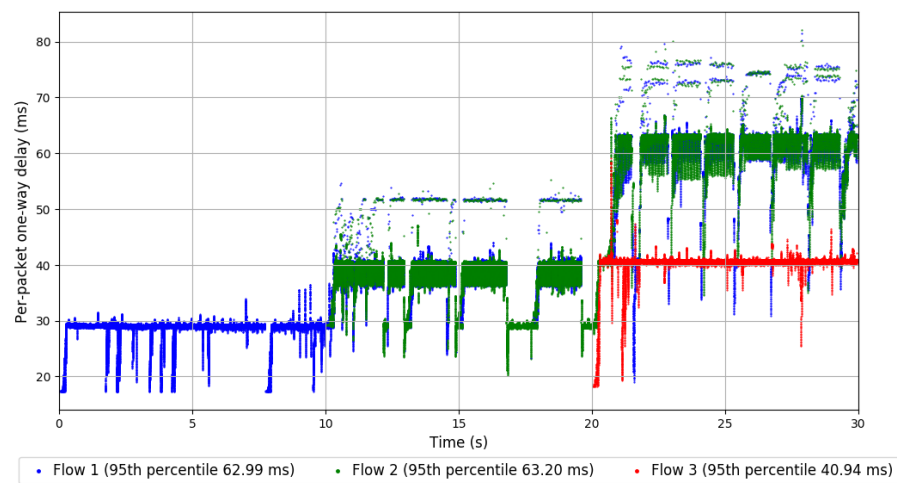
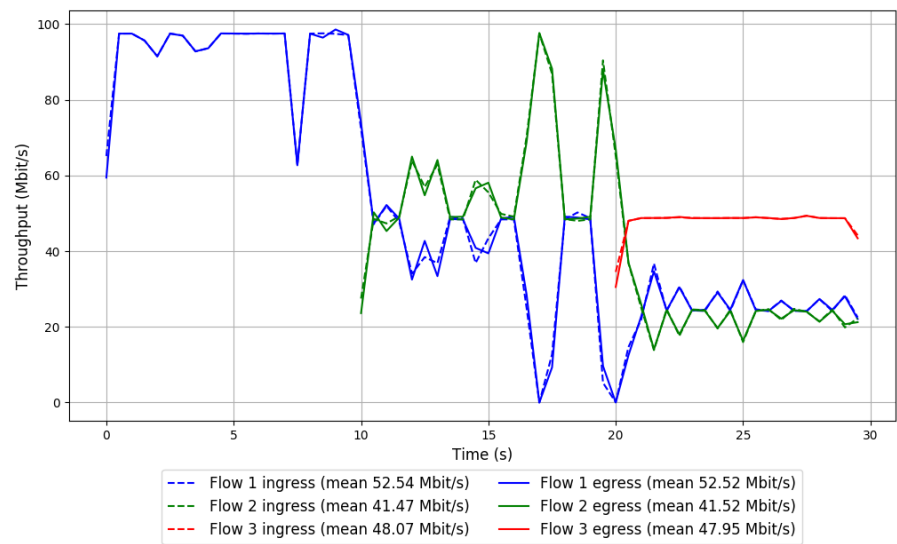
-- Flow 3:

Average throughput: 47.95 Mbit/s

95th percentile per-packet one-way delay: 40.936 ms

Loss rate: 0.50%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 29 Jul 2017 08:43:15 +0000

End at: Sat, 29 Jul 2017 08:43:45 +0000

Local clock offset: 3.109 ms

Remote clock offset: -6.259 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 63.767 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 53.62 Mbit/s

95th percentile per-packet one-way delay: 63.566 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 50.77 Mbit/s

95th percentile per-packet one-way delay: 41.616 ms

Loss rate: 0.24%

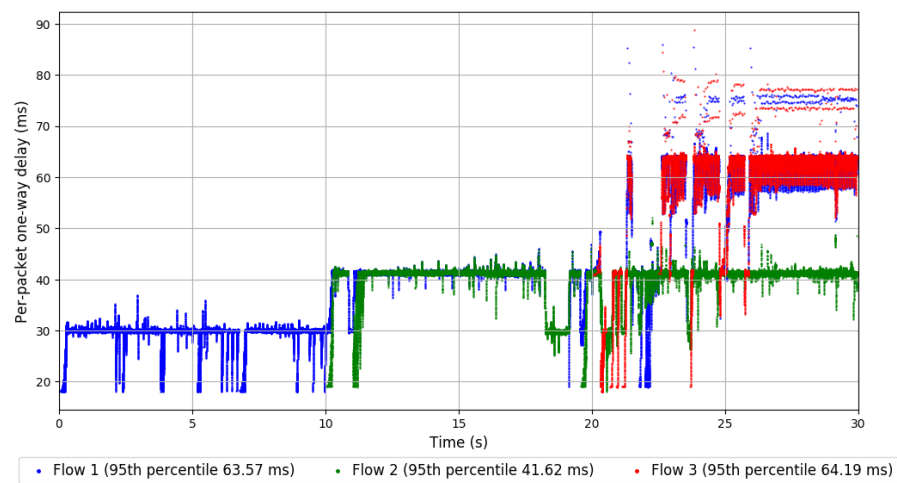
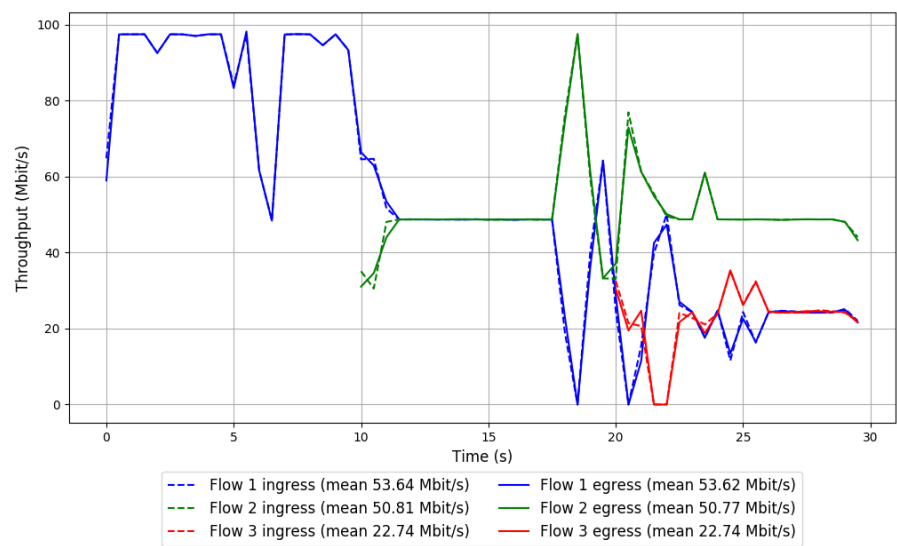
-- Flow 3:

Average throughput: 22.74 Mbit/s

95th percentile per-packet one-way delay: 64.185 ms

Loss rate: 0.77%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 29 Jul 2017 09:02:31 +0000

End at: Sat, 29 Jul 2017 09:03:01 +0000

Local clock offset: 4.882 ms

Remote clock offset: -4.467 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 53.083 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 53.076 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 53.087 ms

Loss rate: 0.19%

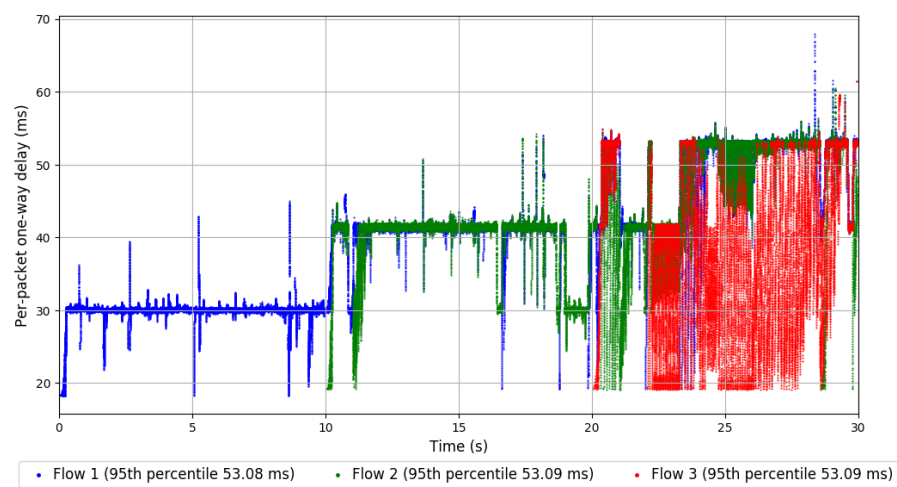
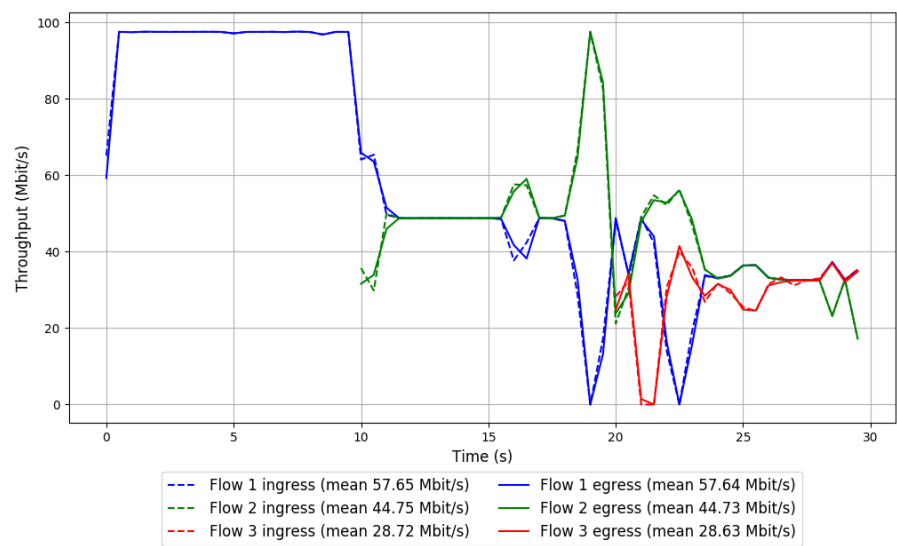
-- Flow 3:

Average throughput: 28.63 Mbit/s

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

Loss rate: 0.70%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 29 Jul 2017 09:21:43 +0000

End at: Sat, 29 Jul 2017 09:22:13 +0000

Local clock offset: 2.618 ms

Remote clock offset: -3.766 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 60.414 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.06 Mbit/s

95th percentile per-packet one-way delay: 59.610 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 33.29 Mbit/s

95th percentile per-packet one-way delay: 60.744 ms

Loss rate: 0.27%

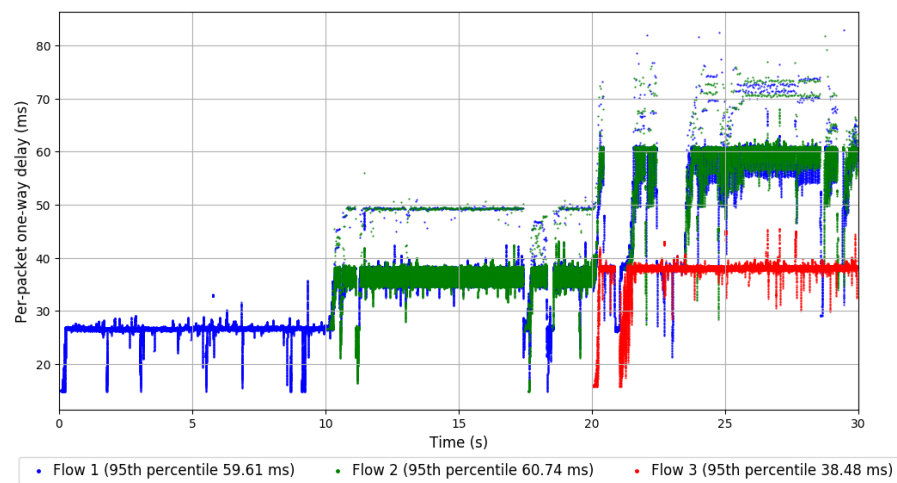
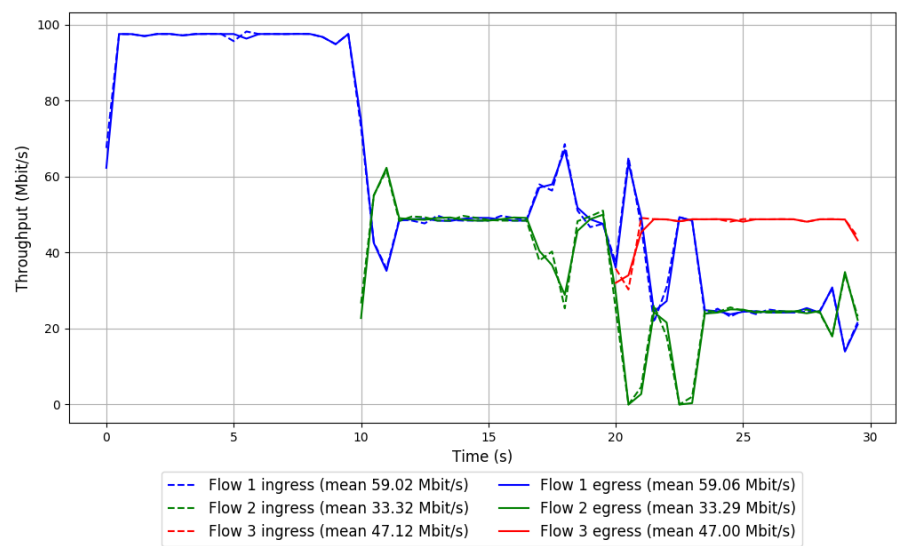
-- Flow 3:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 38.477 ms

Loss rate: 0.50%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 29 Jul 2017 09:40:39 +0000

End at: Sat, 29 Jul 2017 09:41:09 +0000

Local clock offset: 2.035 ms

Remote clock offset: -4.061 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 48.023 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.61 Mbit/s

95th percentile per-packet one-way delay: 46.896 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 48.306 ms

Loss rate: 0.26%

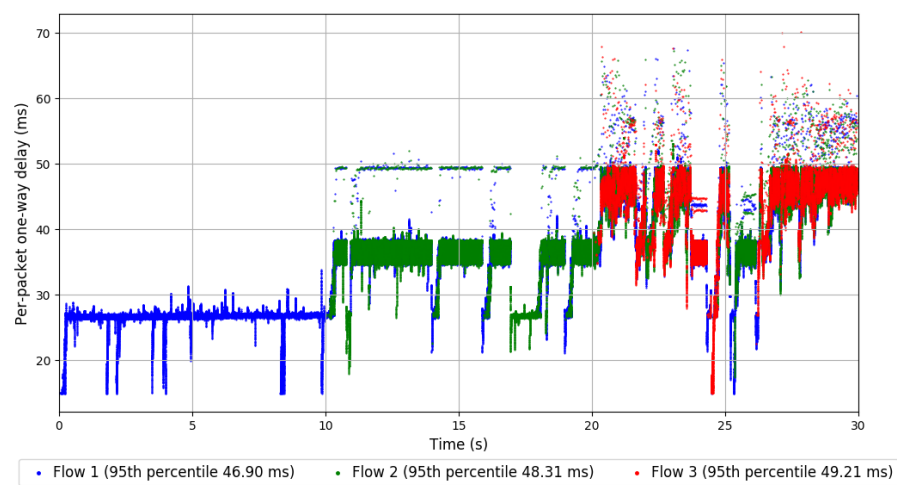
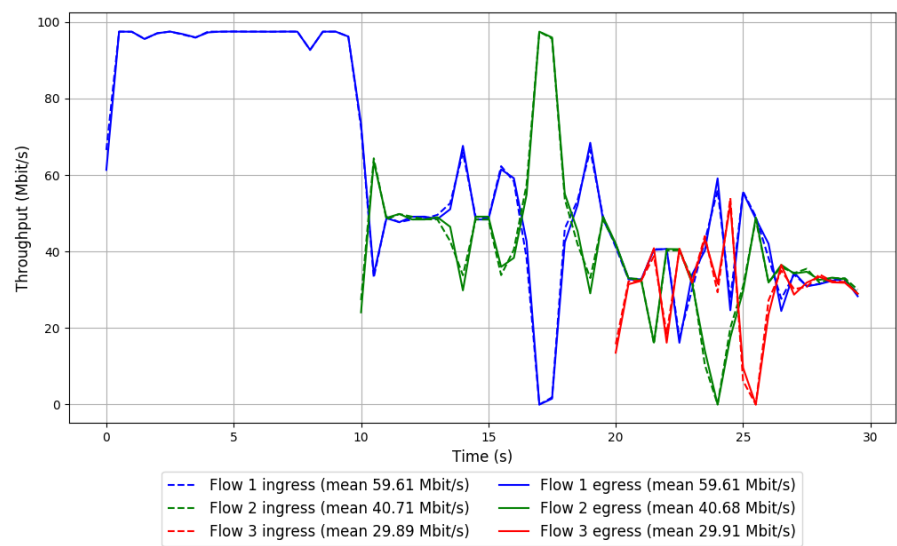
-- Flow 3:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 49.206 ms

Loss rate: 0.59%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 29 Jul 2017 09:59:23 +0000

End at: Sat, 29 Jul 2017 09:59:53 +0000

Local clock offset: 2.159 ms

Remote clock offset: -3.517 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 59.960 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 64.50 Mbit/s

95th percentile per-packet one-way delay: 37.860 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 37.80 Mbit/s

95th percentile per-packet one-way delay: 60.263 ms

Loss rate: 0.00%

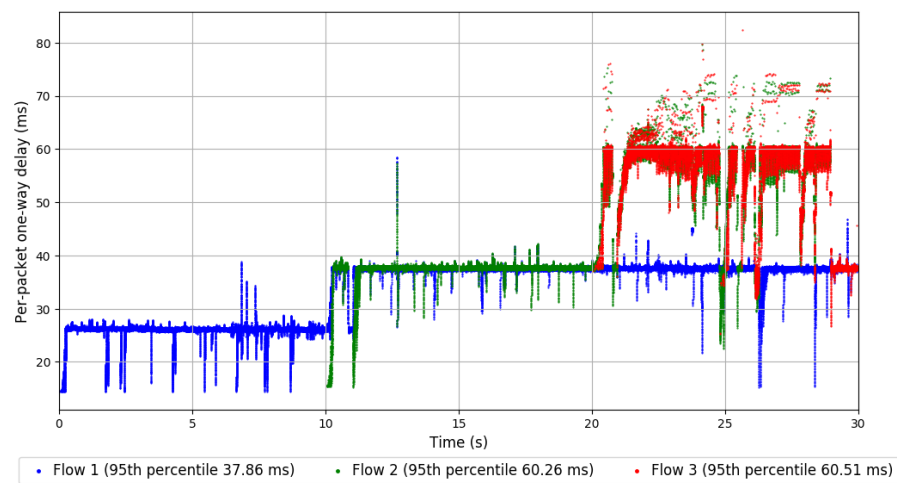
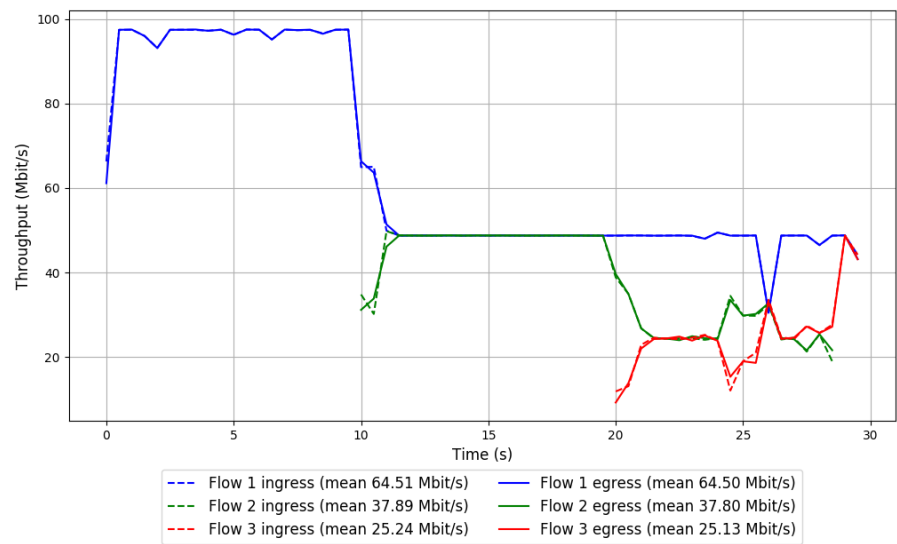
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 60.508 ms

Loss rate: 0.94%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 29 Jul 2017 10:18:13 +0000

End at: Sat, 29 Jul 2017 10:18:43 +0000

Local clock offset: 3.969 ms

Remote clock offset: -5.904 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:42:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 53.352 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 53.051 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 41.76 Mbit/s

95th percentile per-packet one-way delay: 53.440 ms

Loss rate: 0.23%

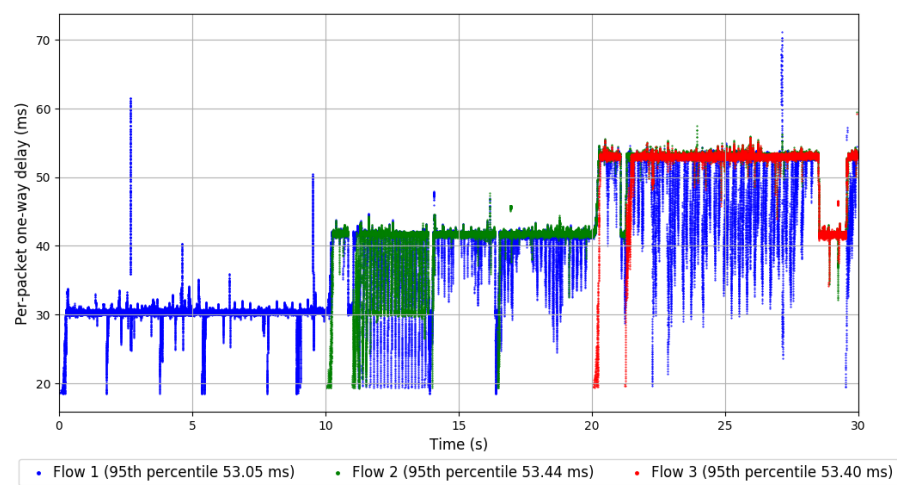
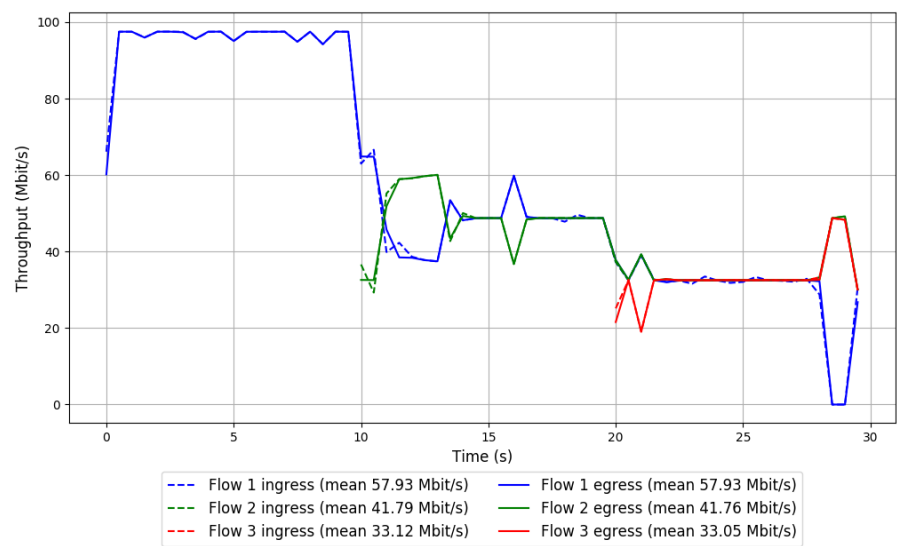
-- Flow 3:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 53.396 ms

Loss rate: 0.59%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 29 Jul 2017 10:37:12 +0000

End at: Sat, 29 Jul 2017 10:37:42 +0000

Local clock offset: 3.213 ms

Remote clock offset: -3.946 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 50.564 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 50.429 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 50.610 ms

Loss rate: 0.24%

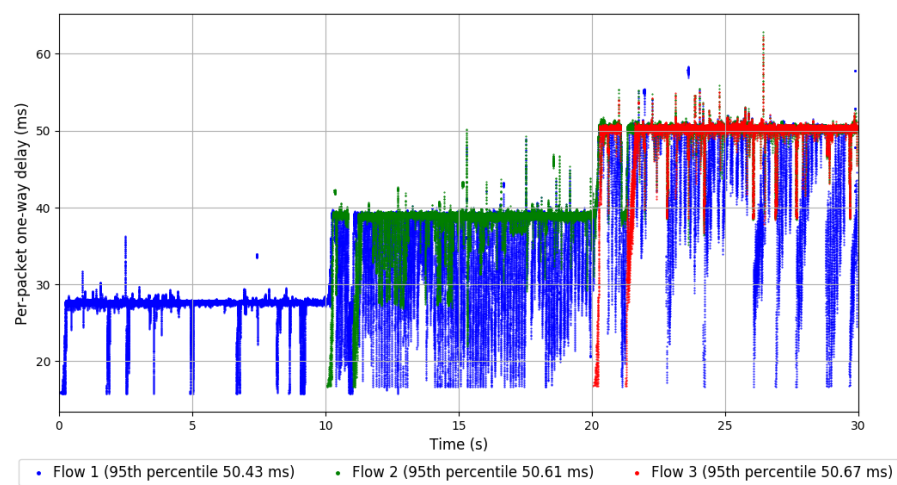
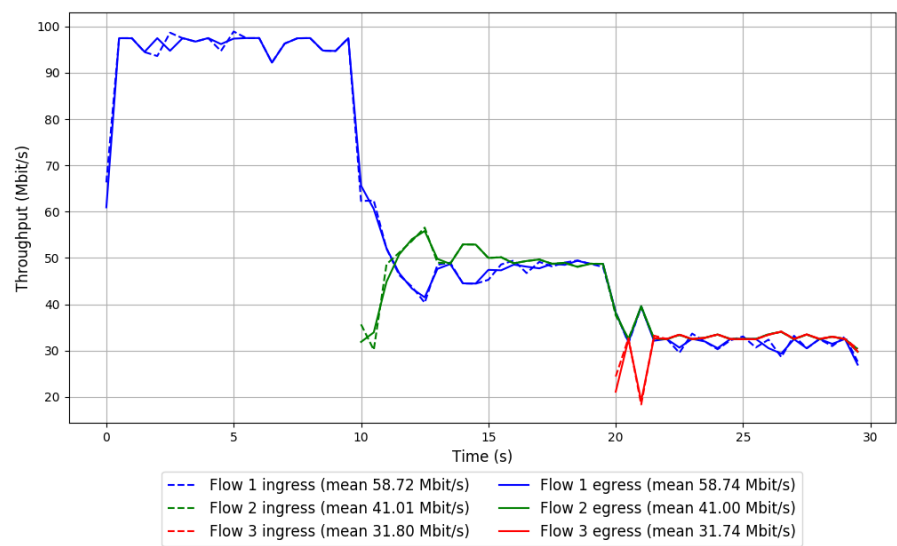
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 50.671 ms

Loss rate: 0.61%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:46:58 +0000

End at: Sat, 29 Jul 2017 07:47:28 +0000

Local clock offset: 0.987 ms

Remote clock offset: -3.511 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 12.550 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 16.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 12.394 ms

Loss rate: 0.00%

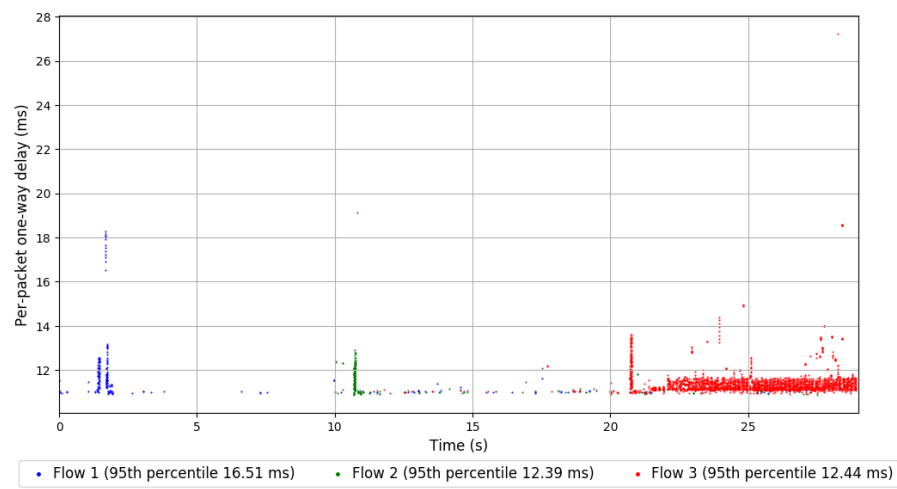
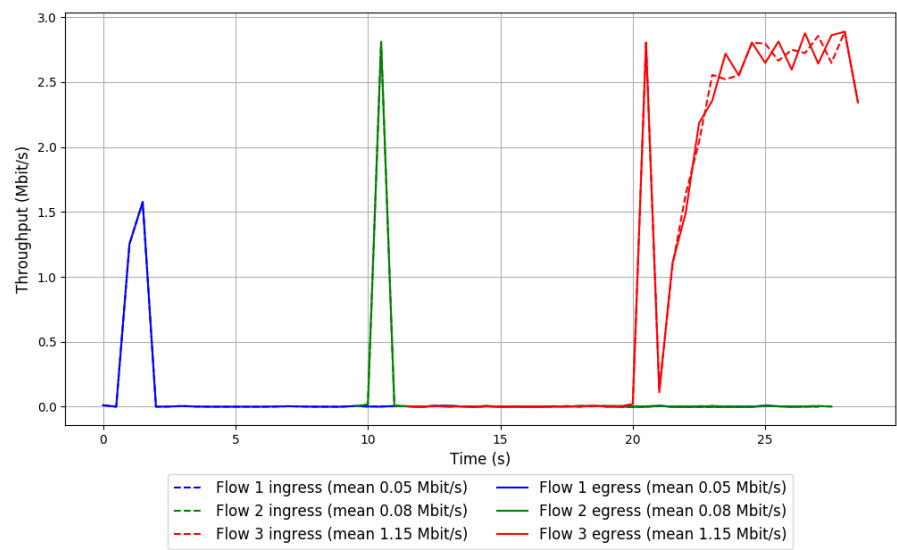
-- Flow 3:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 12.443 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 08:06:02 +0000

End at: Sat, 29 Jul 2017 08:06:32 +0000

Local clock offset: 3.427 ms

Remote clock offset: -3.209 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 15.959 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 16.013 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 15.834 ms

Loss rate: 0.06%

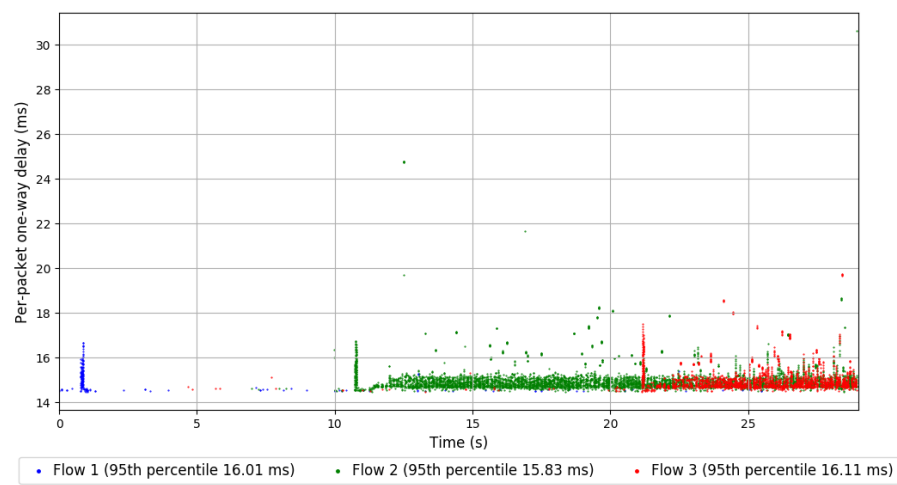
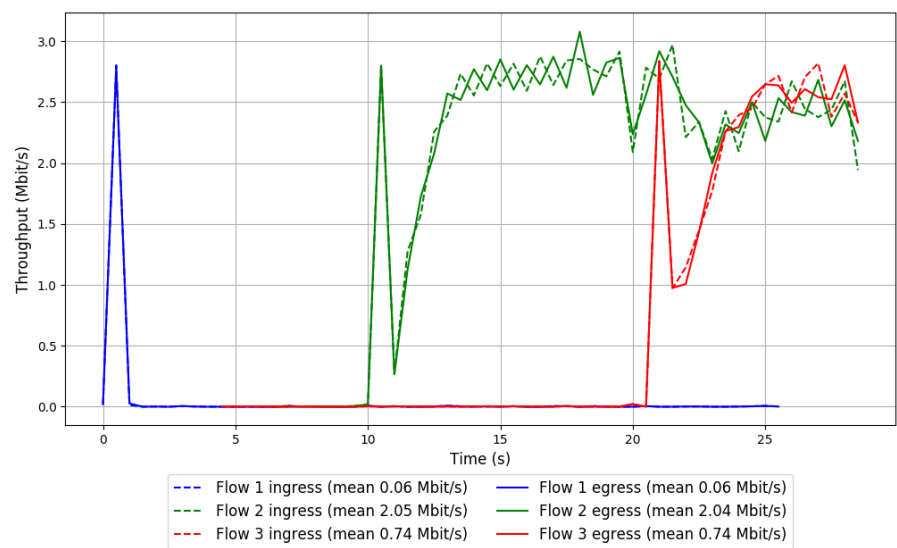
-- Flow 3:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 16.109 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 08:25:11 +0000

End at: Sat, 29 Jul 2017 08:25:41 +0000

Local clock offset: 4.512 ms

Remote clock offset: -5.205 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 20.168 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.565 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 20.220 ms

Loss rate: 0.00%

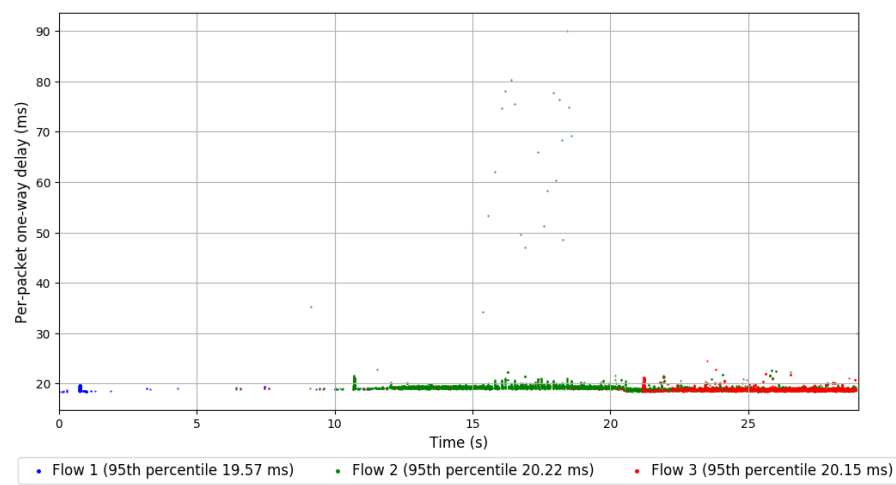
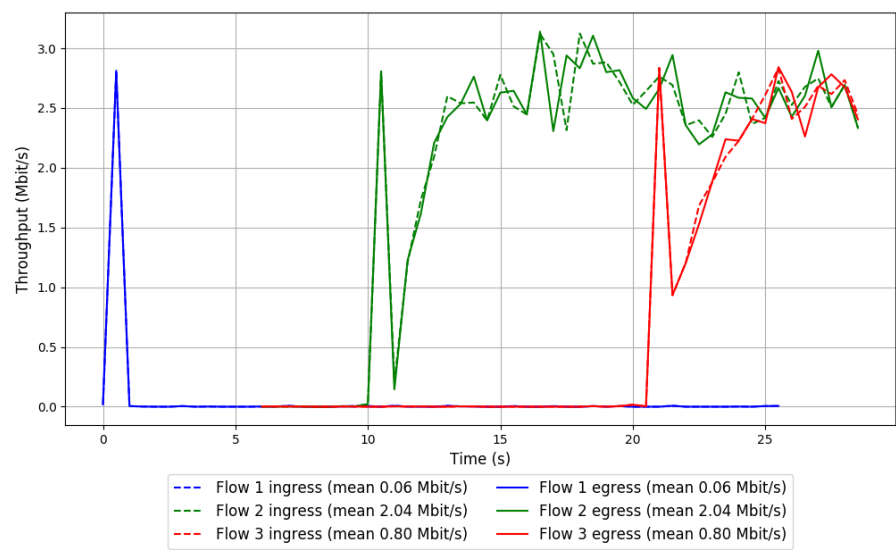
-- Flow 3:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 20.148 ms

Loss rate: 0.53%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

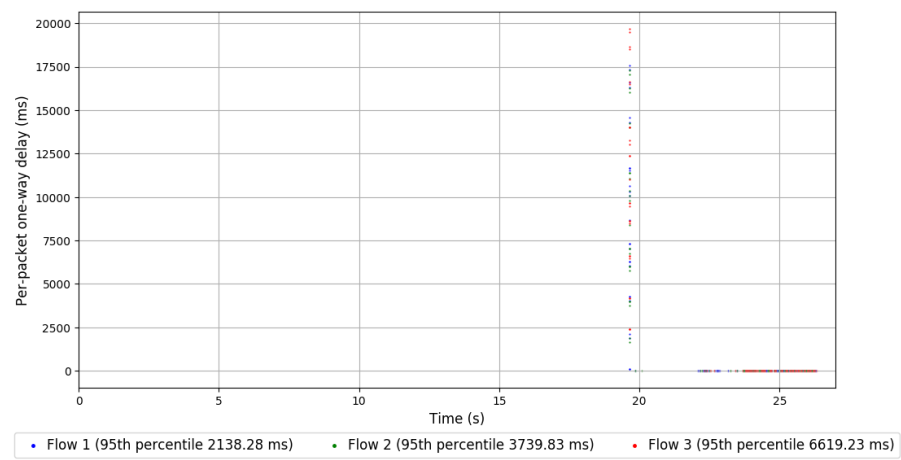
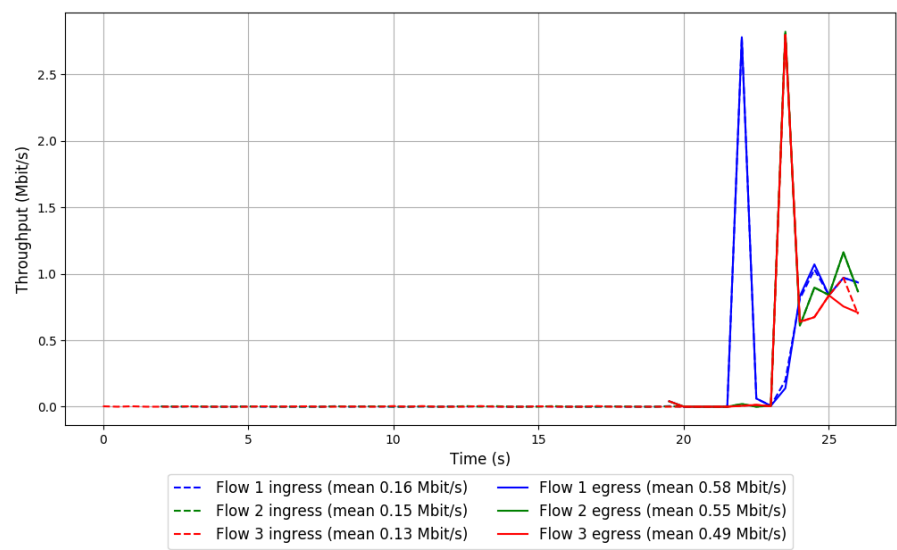
Start at: Sat, 29 Jul 2017 08:44:38 +0000

End at: Sat, 29 Jul 2017 08:45:08 +0000

Local clock offset: 0.583 ms

Remote clock offset: -4.852 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 09:03:54 +0000

End at: Sat, 29 Jul 2017 09:04:24 +0000

Local clock offset: 0.49 ms

Remote clock offset: -3.206 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 14.137 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 14.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 14.204 ms

Loss rate: 0.47%

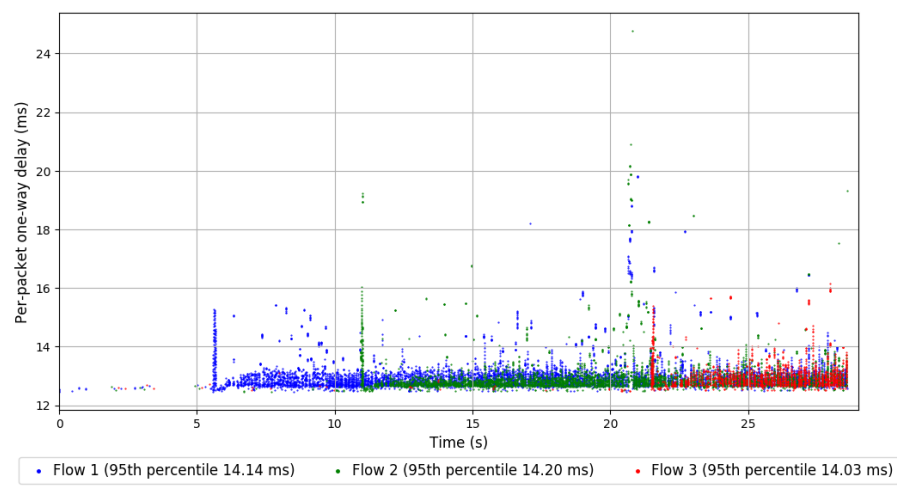
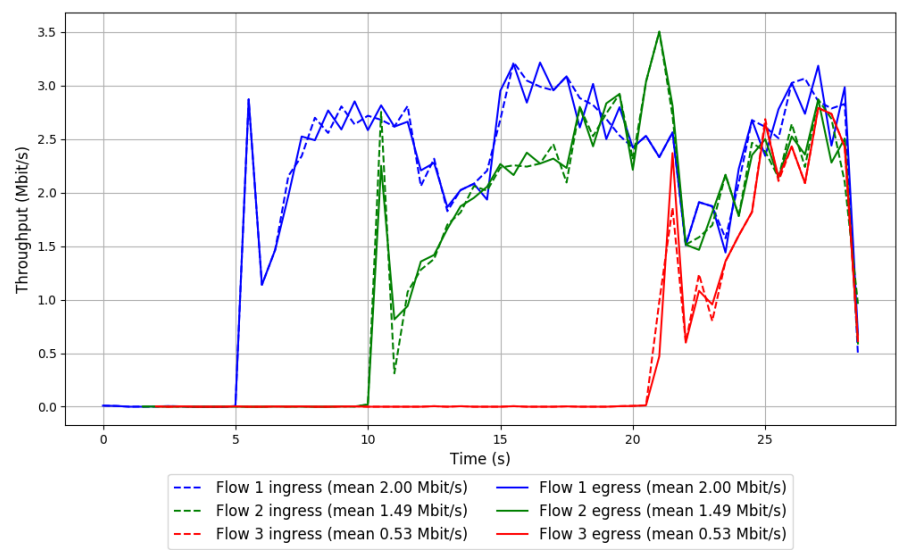
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 14.033 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

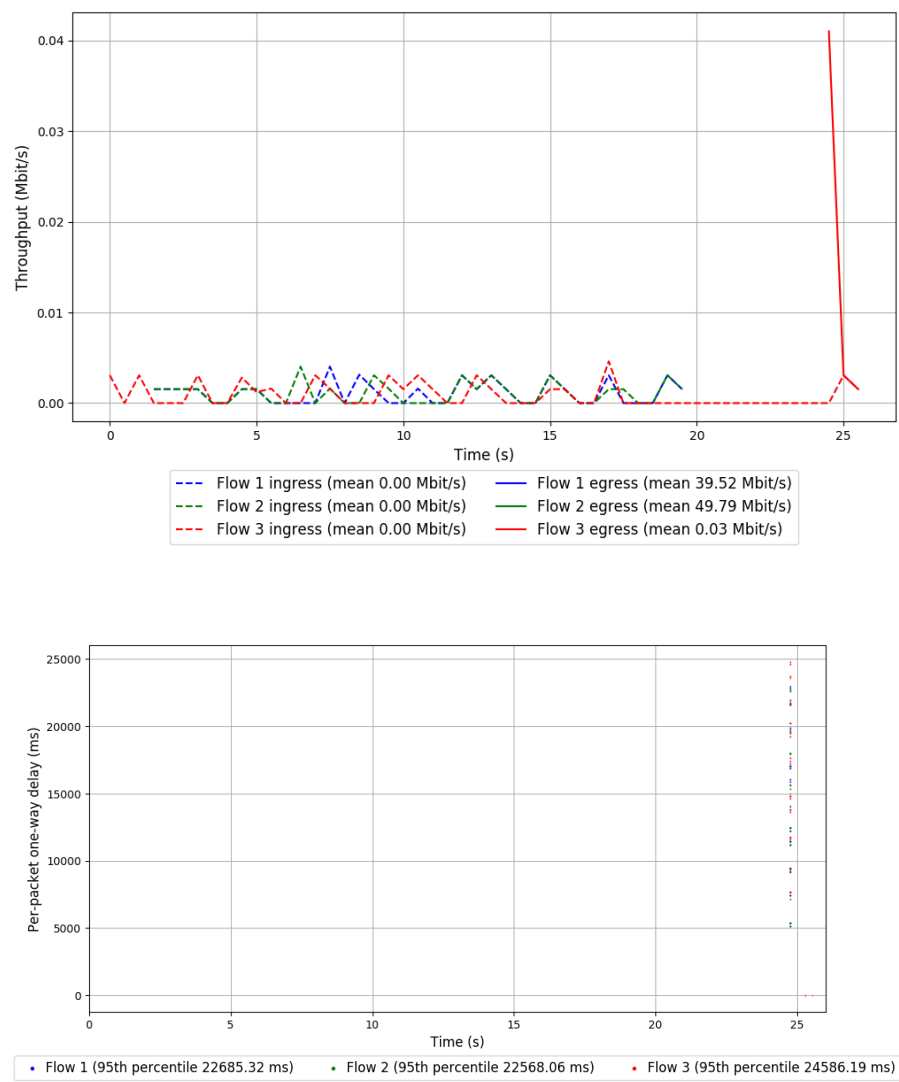
Start at: Sat, 29 Jul 2017 09:23:00 +0000

End at: Sat, 29 Jul 2017 09:23:30 +0000

Local clock offset: 2.672 ms

Remote clock offset: -3.356 ms

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 09:41:59 +0000

End at: Sat, 29 Jul 2017 09:42:29 +0000

Local clock offset: -0.051 ms

Remote clock offset: -2.874 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 12.828 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 13.313 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 12.828 ms

Loss rate: 0.00%

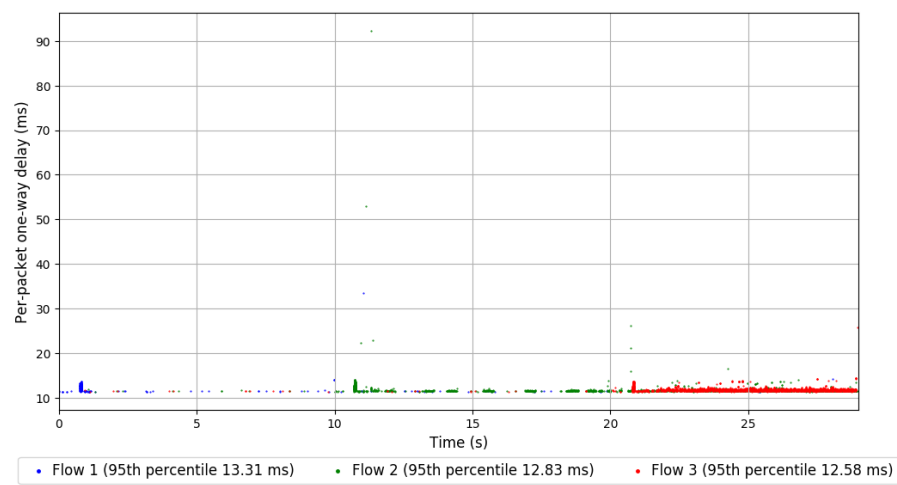
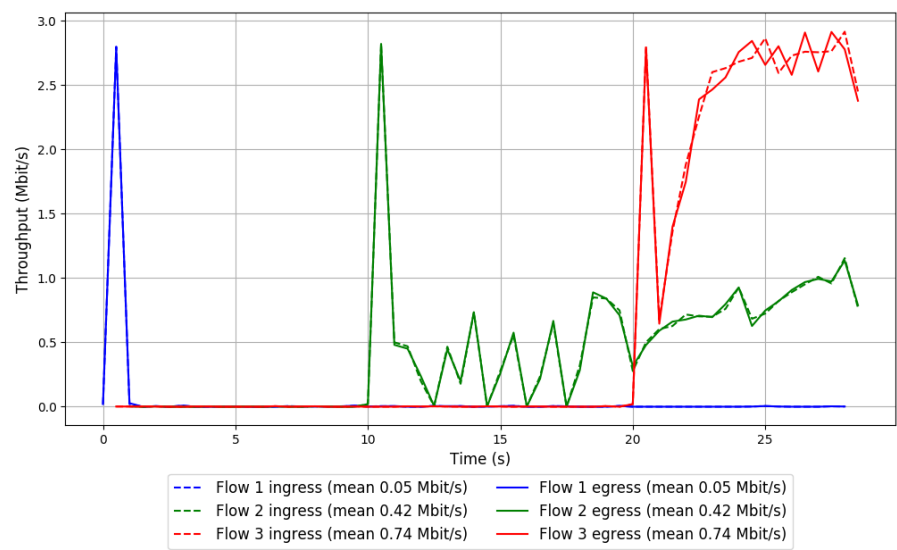
-- Flow 3:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 12.583 ms

Loss rate: 0.50%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 10:00:43 +0000

End at: Sat, 29 Jul 2017 10:01:13 +0000

Local clock offset: -0.251 ms

Remote clock offset: -3.889 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 13.894 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 14.678 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 13.550 ms

Loss rate: 0.24%

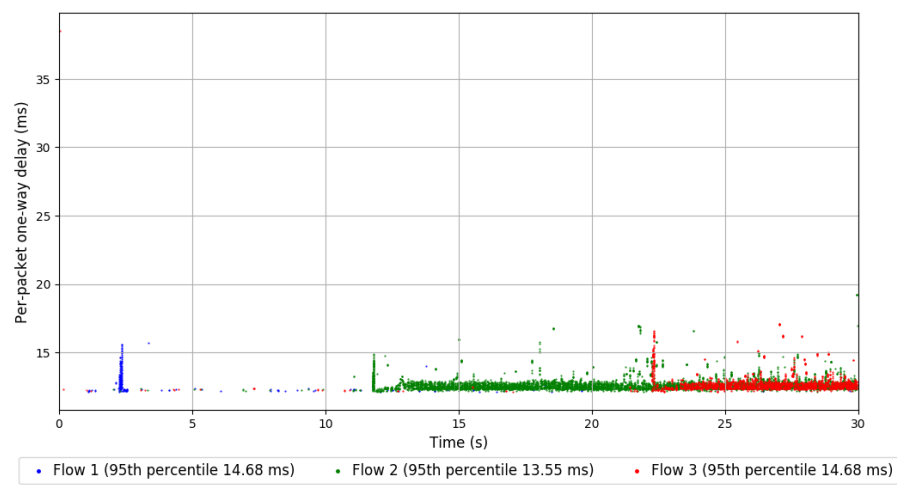
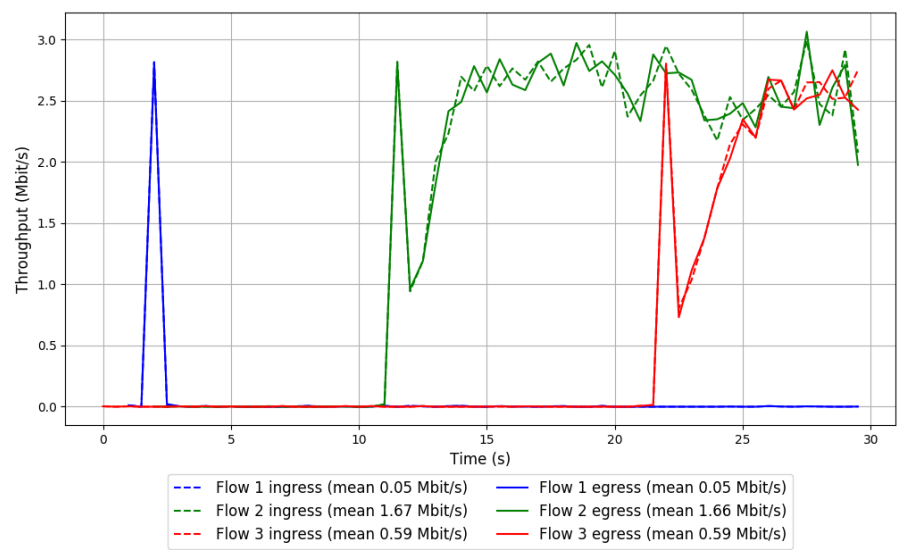
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 14.683 ms

Loss rate: 0.92%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 10:19:33 +0000

End at: Sat, 29 Jul 2017 10:20:03 +0000

Local clock offset: 2.887 ms

Remote clock offset: -5.036 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 17.828 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 17.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 17.888 ms

Loss rate: 0.00%

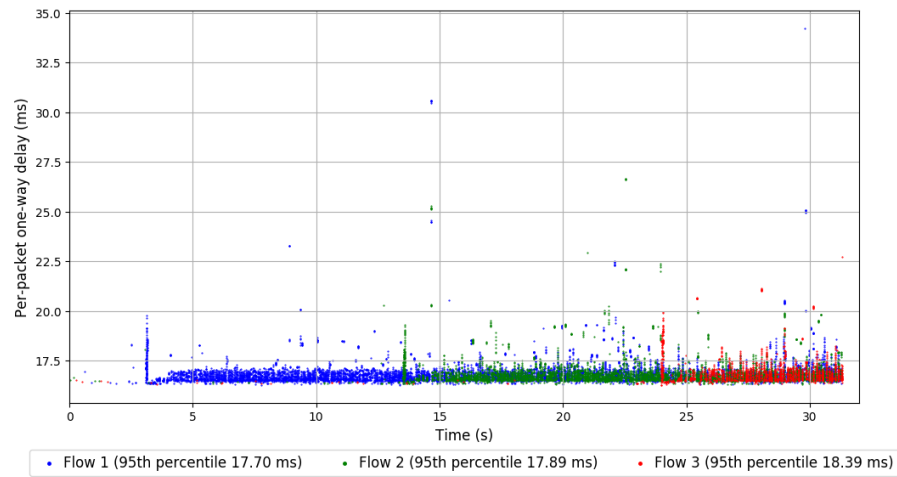
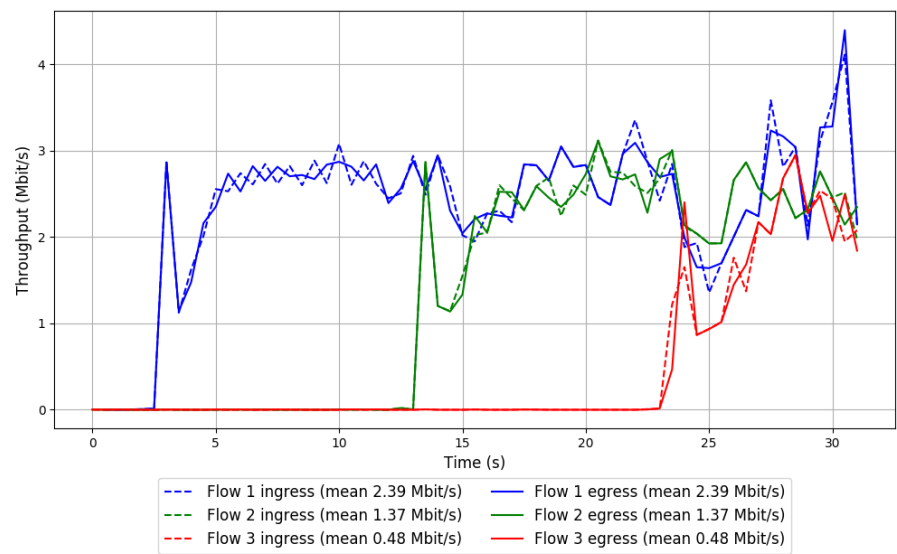
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 18.385 ms

Loss rate: 0.79%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 10:38:30 +0000

End at: Sat, 29 Jul 2017 10:39:00 +0000

Local clock offset: 2.752 ms

Remote clock offset: -3.856 ms

Below is generated by plot.py at Sat, 29 Jul 2017 11:43:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 16.642 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 16.572 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 16.544 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 18.296 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

