

Pantheon Report

Generated at 2017-08-11 13:16:18 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

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.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

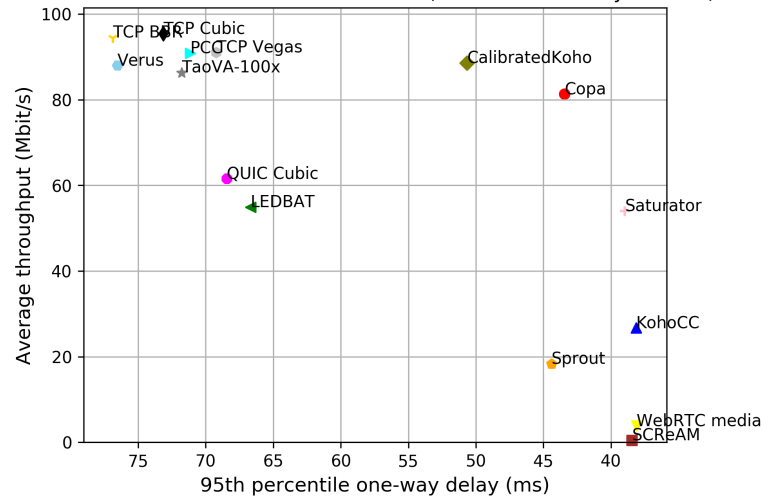
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

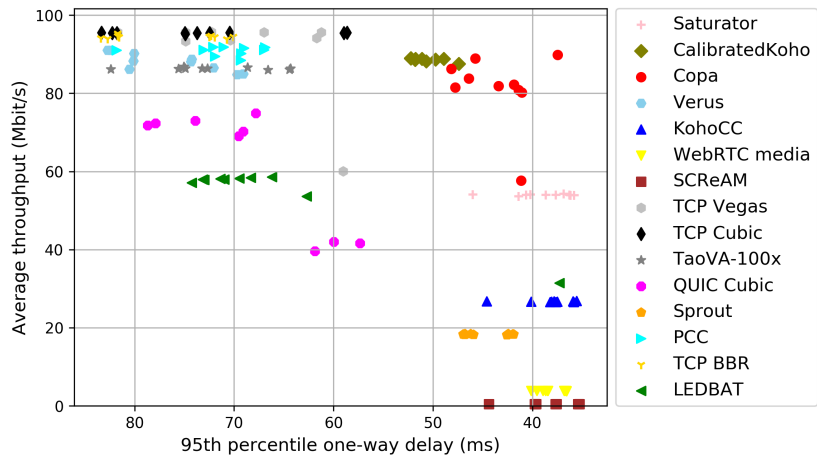
Git summary:

```
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.01	40.10	29.55	72.17	72.37	75.86	0.23	0.50	1.29
CalibratedKoho	9	62.71	31.48	14.94	50.37	50.84	51.30	0.24	0.44	1.05
Copa	10	46.33	38.46	28.61	41.54	46.25	48.80	0.19	0.42	1.04
TCP Cubic	10	58.94	42.54	25.46	72.91	68.44	70.58	0.28	0.53	11.44
KohoCC	10	13.46	13.42	13.09	38.09	37.98	38.10	0.30	0.45	0.90
LEDBAT	10	34.20	24.70	12.94	65.75	65.05	47.31	0.36	0.71	1.85
PCC	10	59.09	36.37	23.11	68.79	63.48	75.12	0.25	0.54	1.16
QUIC Cubic	9	27.06	35.34	34.04	60.31	67.22	63.88	0.19	0.59	1.16
Saturator	10	27.17	26.99	26.77	38.52	38.91	40.21	0.30	0.45	0.91
SCReAM	10	0.22	0.22	0.22	38.22	38.29	37.99	0.28	0.44	0.78
Sprout	10	9.31	9.17	8.92	44.31	44.41	44.62	0.32	0.46	0.97
TaoVA-100x	10	51.19	37.30	31.19	64.26	71.90	68.41	0.26	0.50	1.28
TCP Vegas	9	57.50	36.82	27.89	68.10	64.44	68.37	0.23	0.46	5.76
Verus	10	53.70	39.03	25.48	72.14	70.15	77.16	0.17	0.62	1.15
WebRTC media	10	2.18	1.32	0.37	37.98	38.16	38.35	0.39	0.52	1.82

Run 1: Statistics of TCP BBR

Start at: 2017-08-11 05:51:39

End at: 2017-08-11 05:52:09

Local clock offset: 0.937 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2017-08-11 13:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 72.515 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 72.343 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 72.513 ms

Loss rate: 0.50%

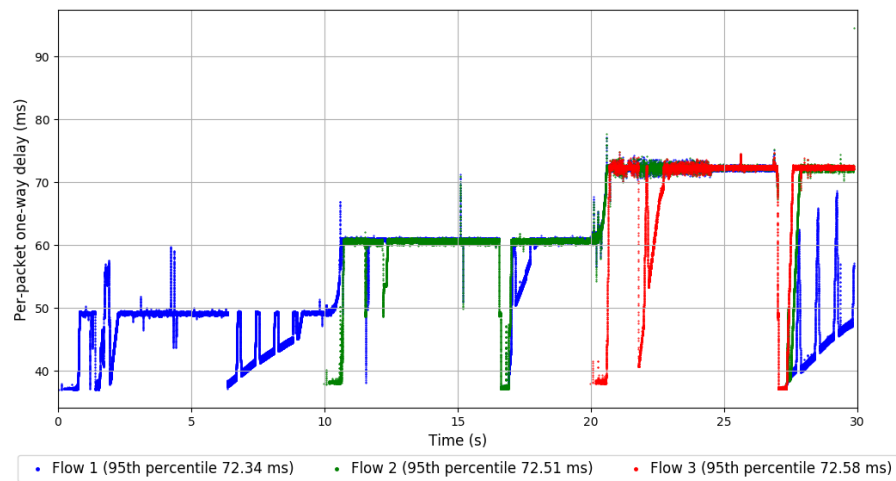
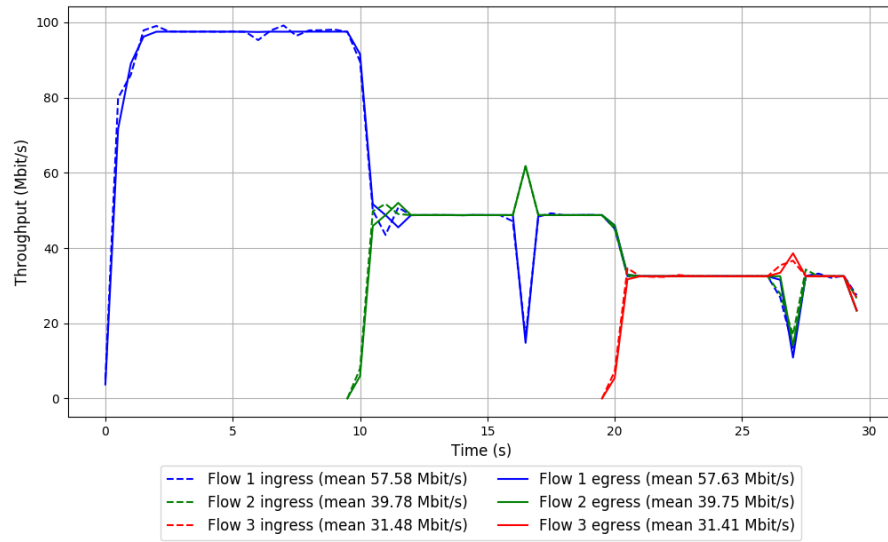
-- Flow 3:

Average throughput: 31.41 Mbit/s

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

Loss rate: 1.28%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-08-11 06:12:53

End at: 2017-08-11 06:13:23

Local clock offset: 0.62 ms

Remote clock offset: 2.254 ms

Below is generated by plot.py at 2017-08-11 13:03:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 81.583 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 55.36 Mbit/s

95th percentile per-packet one-way delay: 81.497 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 58.344 ms

Loss rate: 0.57%

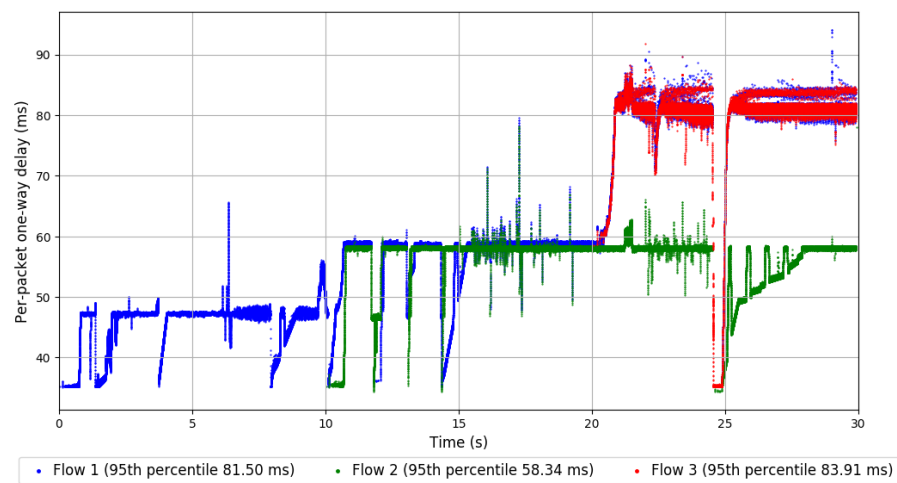
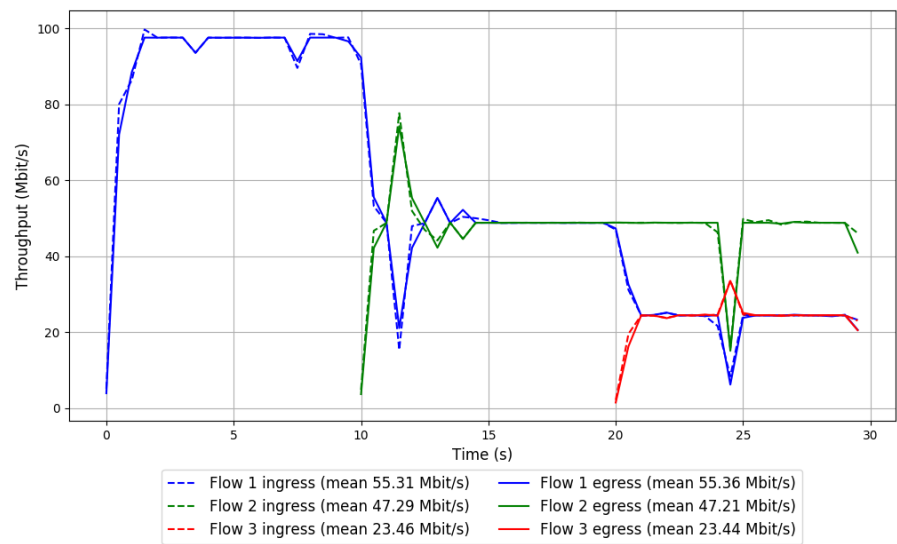
-- Flow 3:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 83.913 ms

Loss rate: 1.40%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-08-11 06:33:53

End at: 2017-08-11 06:34:23

Local clock offset: 0.555 ms

Remote clock offset: 2.606 ms

Below is generated by plot.py at 2017-08-11 13:04:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 70.738 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 70.596 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 70.777 ms

Loss rate: 0.55%

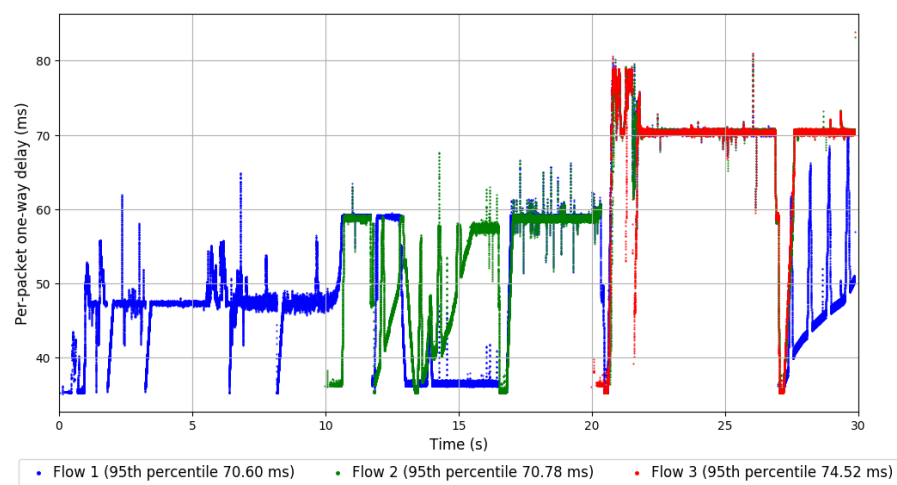
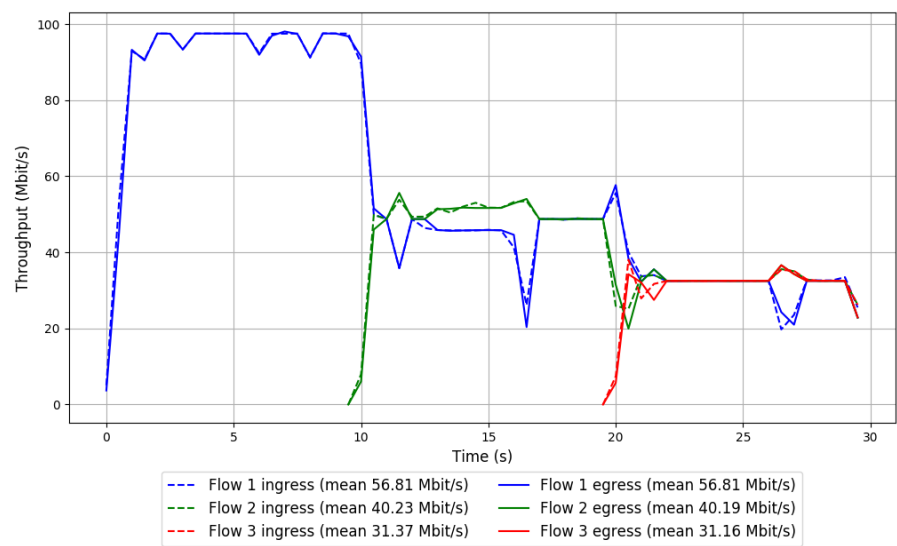
-- Flow 3:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 74.518 ms

Loss rate: 1.42%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-08-11 06:54:46

End at: 2017-08-11 06:55:16

Local clock offset: 0.444 ms

Remote clock offset: 2.615 ms

Below is generated by plot.py at 2017-08-11 13:04:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 81.715 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 55.68 Mbit/s

95th percentile per-packet one-way delay: 81.652 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.63 Mbit/s

95th percentile per-packet one-way delay: 81.883 ms

Loss rate: 0.45%

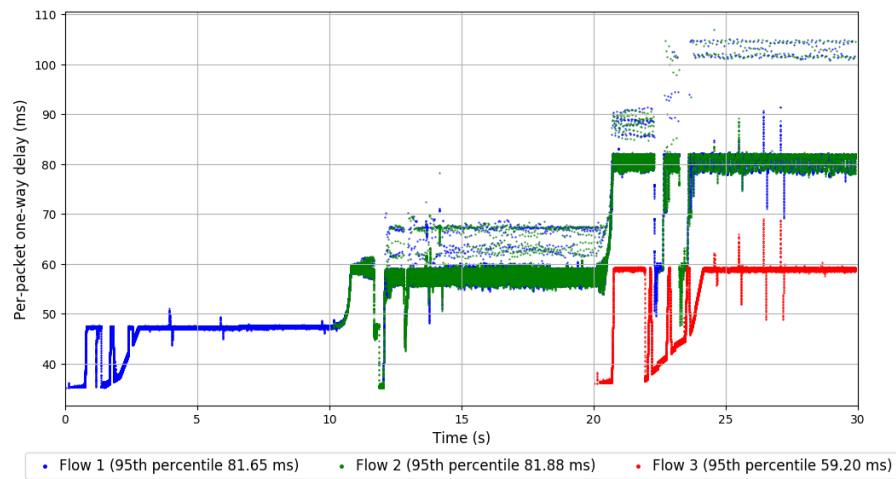
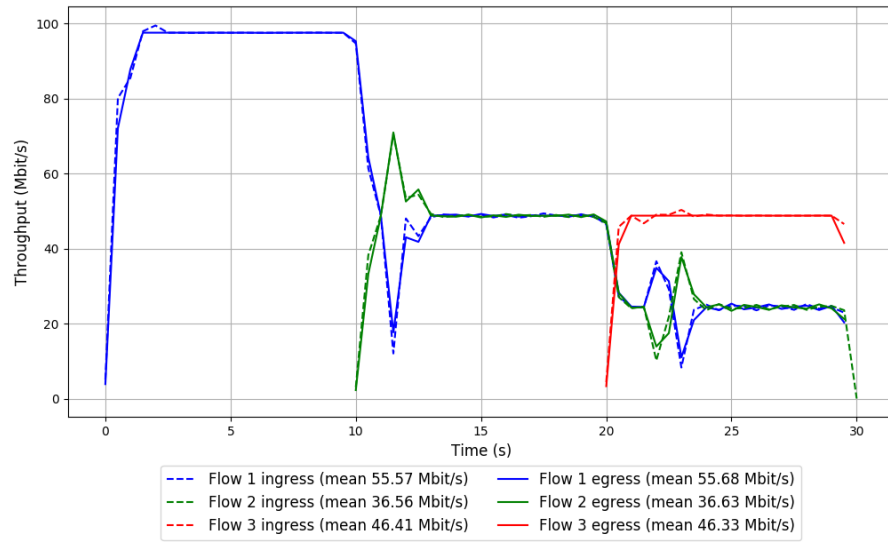
-- Flow 3:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 59.199 ms

Loss rate: 1.16%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-08-11 07:15:46

End at: 2017-08-11 07:16:16

Local clock offset: 0.49 ms

Remote clock offset: 2.724 ms

Below is generated by plot.py at 2017-08-11 13:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 81.724 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 81.652 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 47.06 Mbit/s

95th percentile per-packet one-way delay: 59.155 ms

Loss rate: 0.58%

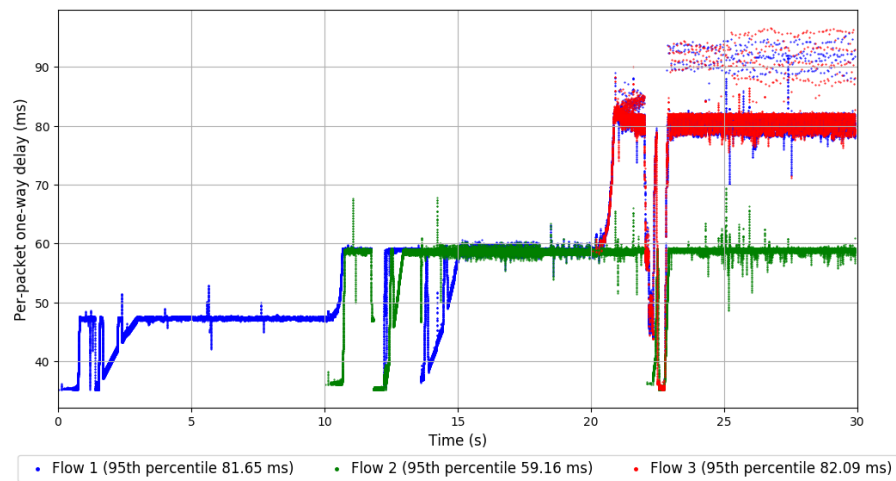
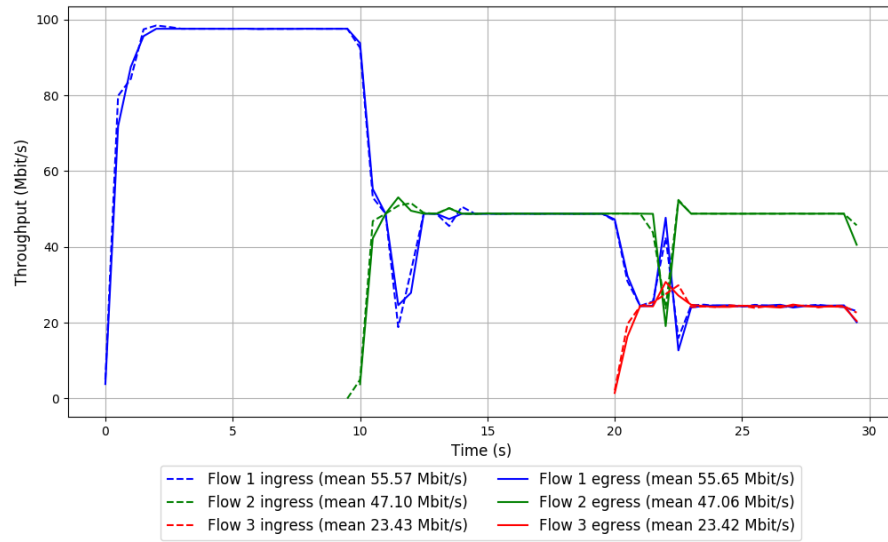
-- Flow 3:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 82.088 ms

Loss rate: 1.39%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-08-11 07:36:49

End at: 2017-08-11 07:37:20

Local clock offset: 0.464 ms

Remote clock offset: 2.573 ms

Below is generated by plot.py at 2017-08-11 13:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 70.090 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 58.08 Mbit/s

95th percentile per-packet one-way delay: 69.704 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 39.26 Mbit/s

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

Loss rate: 0.51%

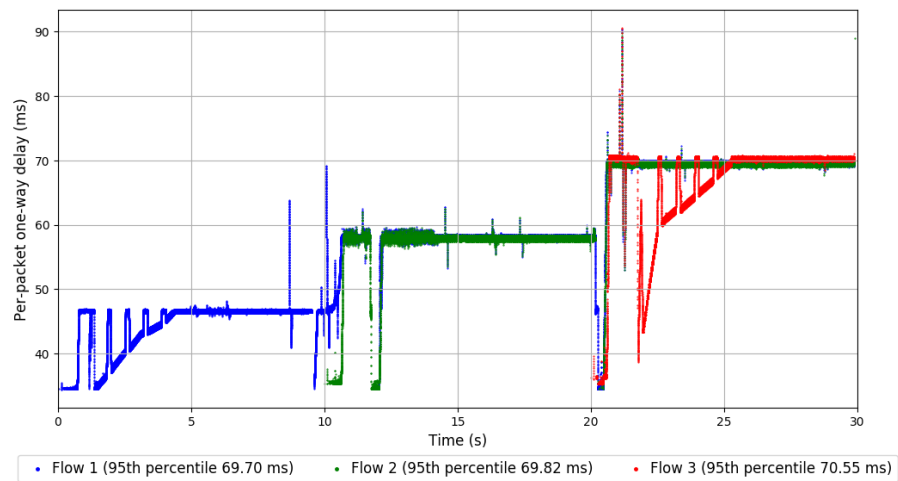
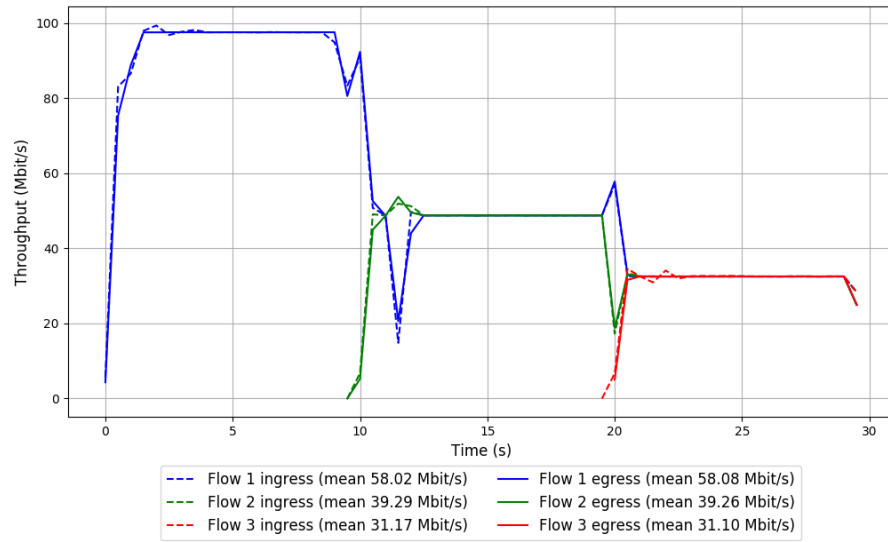
-- Flow 3:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 70.549 ms

Loss rate: 1.27%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-08-11 07:57:57

End at: 2017-08-11 07:58:27

Local clock offset: 0.454 ms

Remote clock offset: 0.645 ms

Below is generated by plot.py at 2017-08-11 13:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 82.714 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 62.37 Mbit/s

95th percentile per-packet one-way delay: 60.141 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 82.741 ms

Loss rate: 0.44%

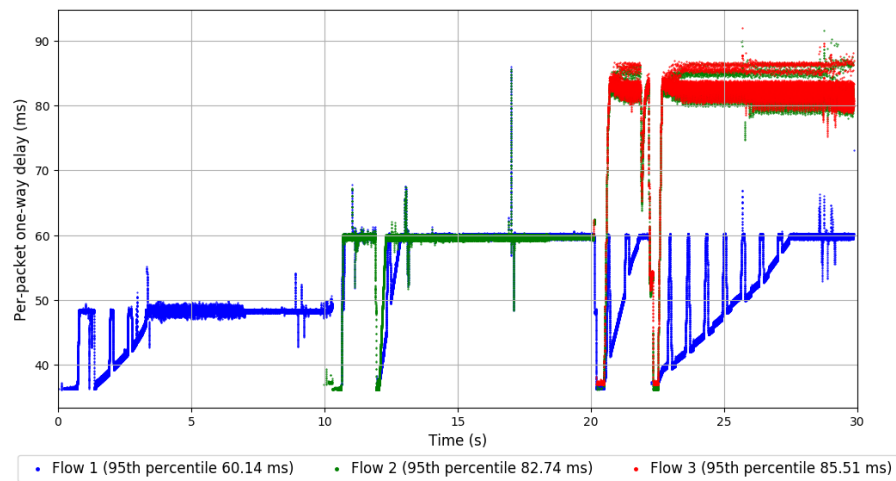
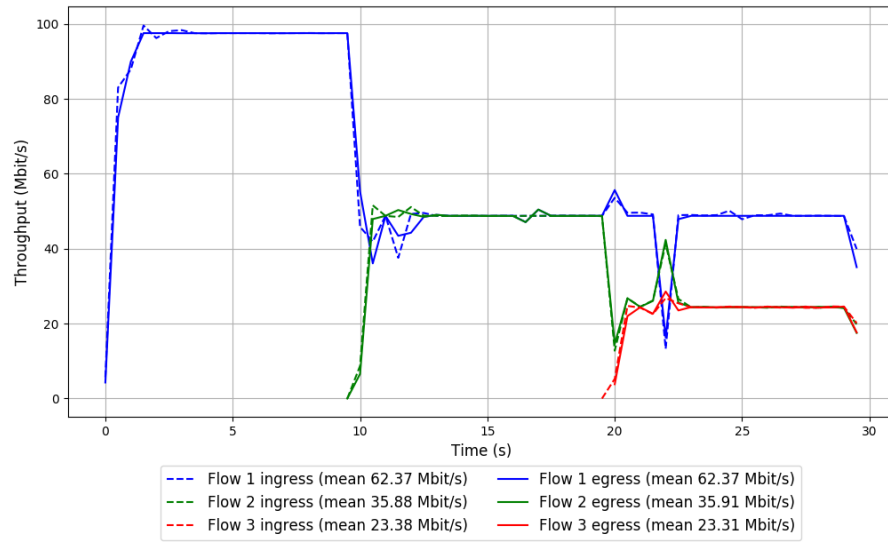
-- Flow 3:

Average throughput: 23.31 Mbit/s

95th percentile per-packet one-way delay: 85.508 ms

Loss rate: 1.40%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-08-11 08:19:03

End at: 2017-08-11 08:19:33

Local clock offset: 0.271 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2017-08-11 13:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 72.317 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 72.250 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 72.326 ms

Loss rate: 0.51%

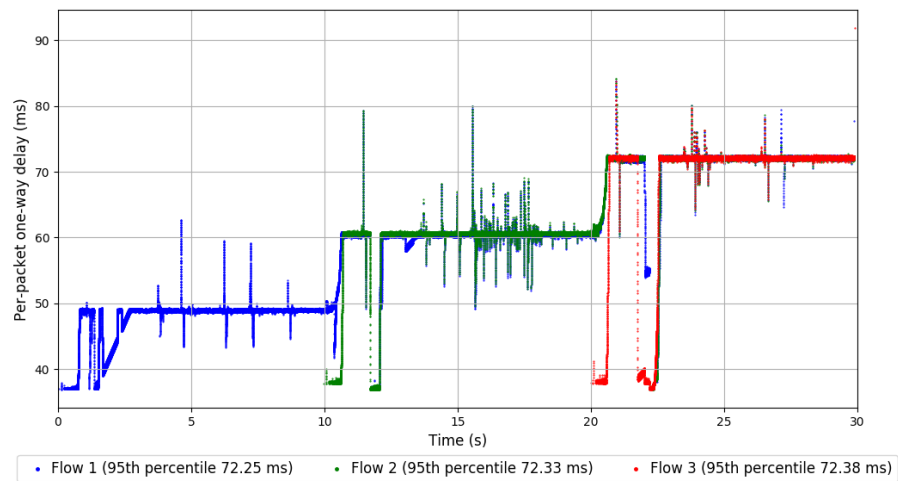
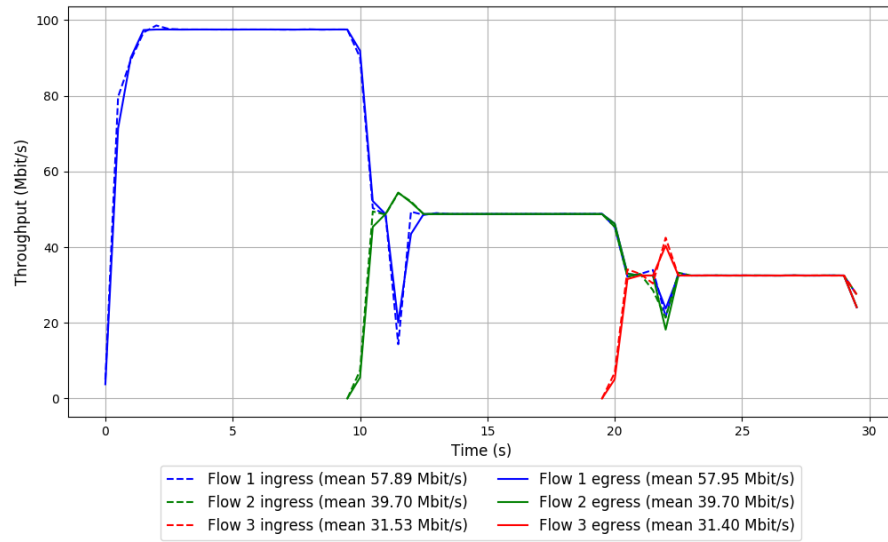
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 72.378 ms

Loss rate: 1.27%

Run 8: Report of TCP BBR — Data Link

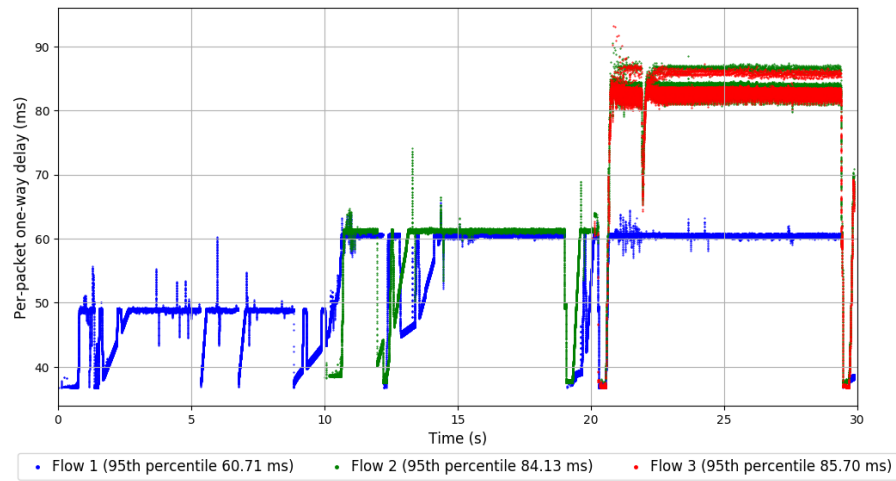
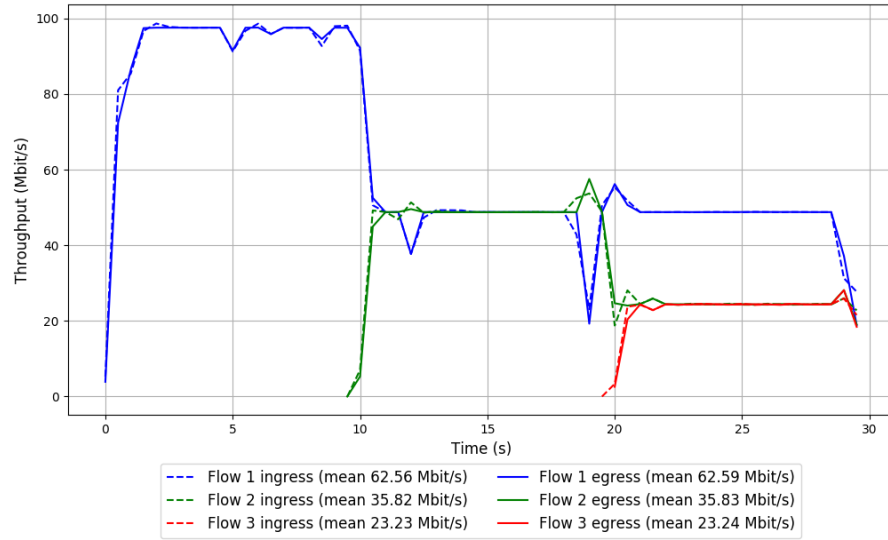


Run 9: Statistics of TCP BBR

Start at: 2017-08-11 08:40:06
End at: 2017-08-11 08:40:36
Local clock offset: 0.259 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2017-08-11 13:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 83.398 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 60.706 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 84.129 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 85.696 ms
Loss rate: 1.08%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-08-11 09:01:06

End at: 2017-08-11 09:01:36

Local clock offset: 0.133 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2017-08-11 13:04:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.41 Mbit/s

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

Loss rate: 0.42%

-- Flow 1:

Average throughput: 58.02 Mbit/s

95th percentile per-packet one-way delay: 71.180 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 39.43 Mbit/s

95th percentile per-packet one-way delay: 72.015 ms

Loss rate: 0.51%

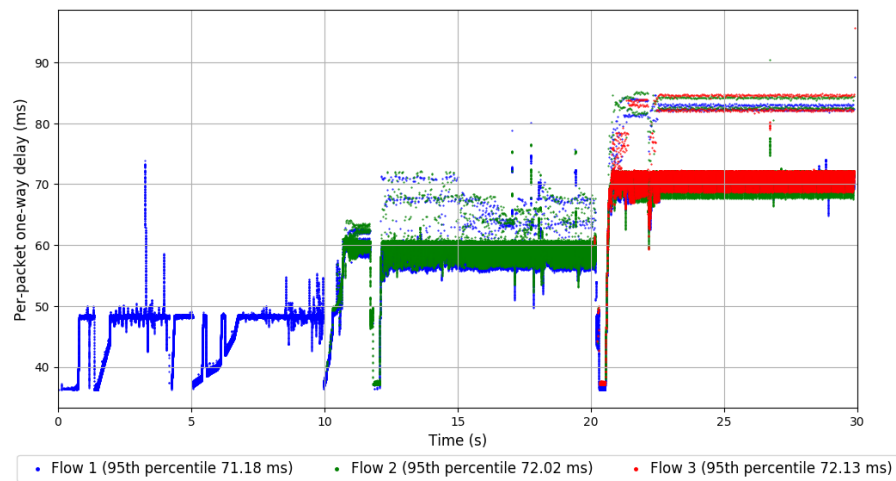
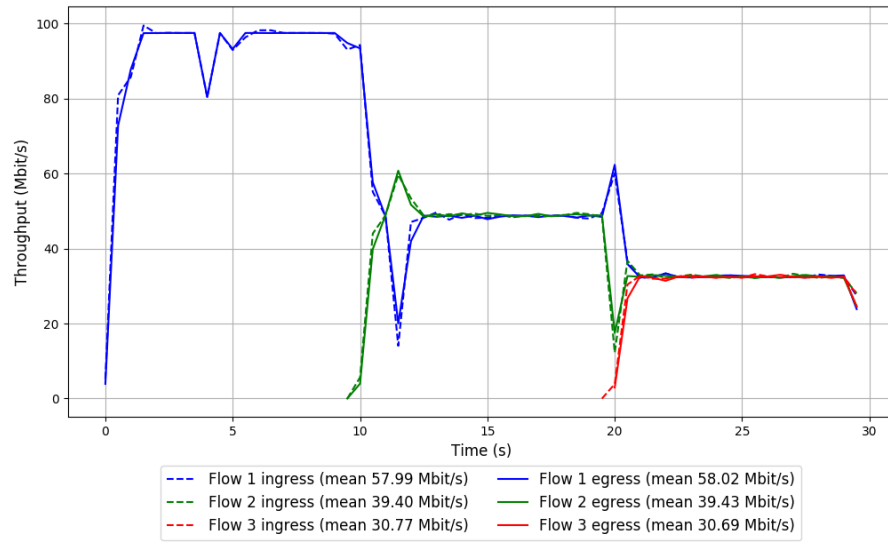
-- Flow 3:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 72.134 ms

Loss rate: 1.26%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: 2017-08-11 05:53:08

End at: 2017-08-11 05:53:38

Local clock offset: 0.796 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2017-08-11 13:04:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.83 Mbit/s

95th percentile per-packet one-way delay: 51.757 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 51.416 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 51.688 ms

Loss rate: 0.44%

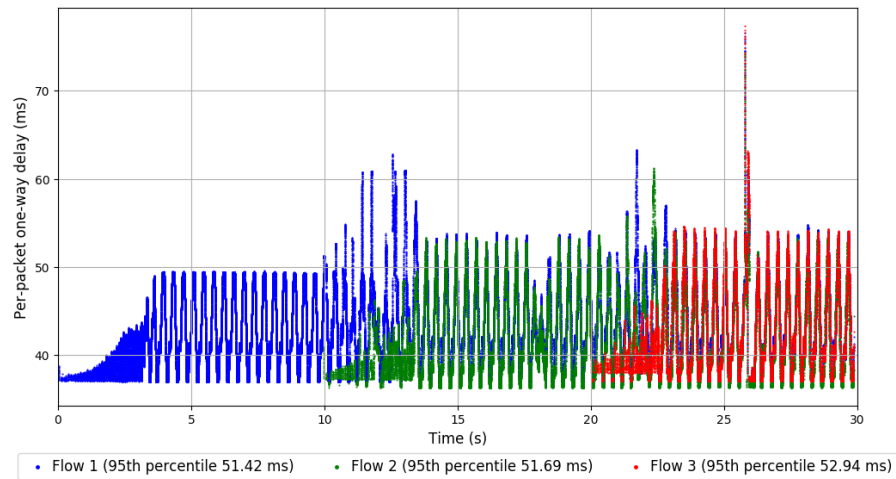
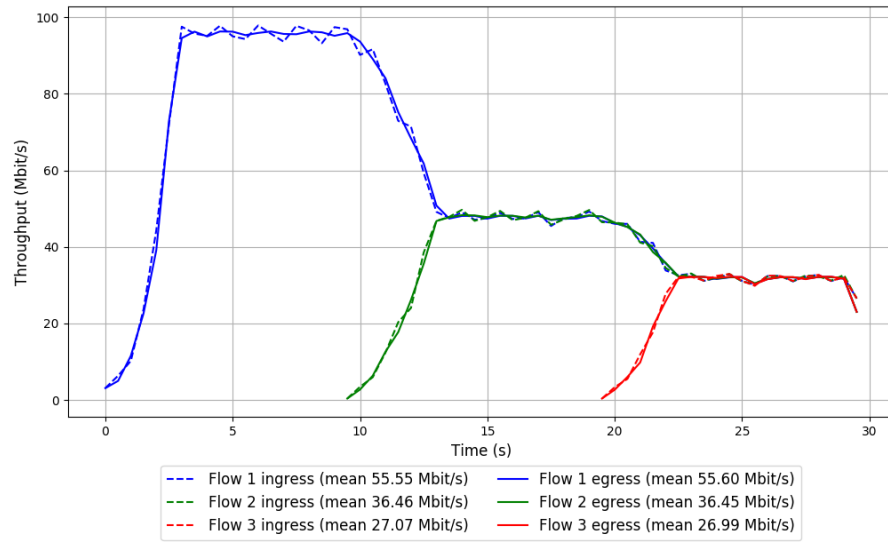
-- Flow 3:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 52.941 ms

Loss rate: 1.13%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-08-11 06:14:19

End at: 2017-08-11 06:14:49

Local clock offset: 0.608 ms

Remote clock offset: 2.294 ms

Below is generated by plot.py at 2017-08-11 13:04:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 47.390 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 47.386 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 47.758 ms

Loss rate: 0.55%

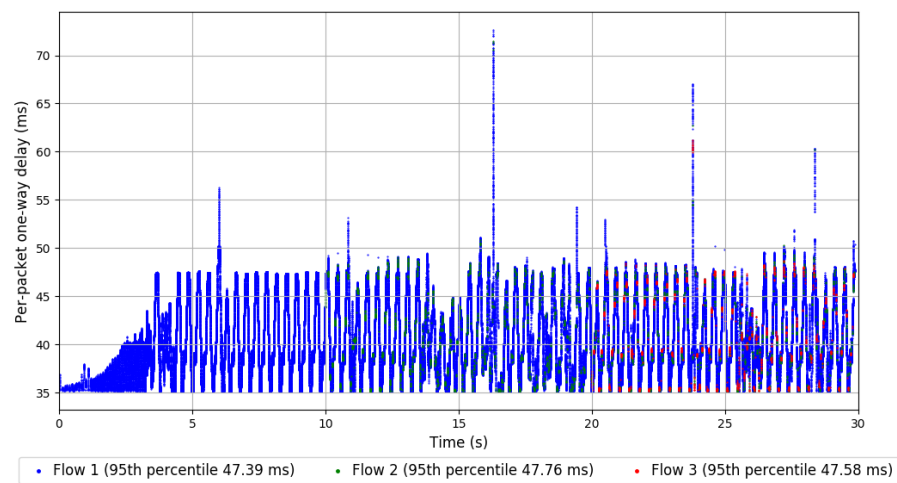
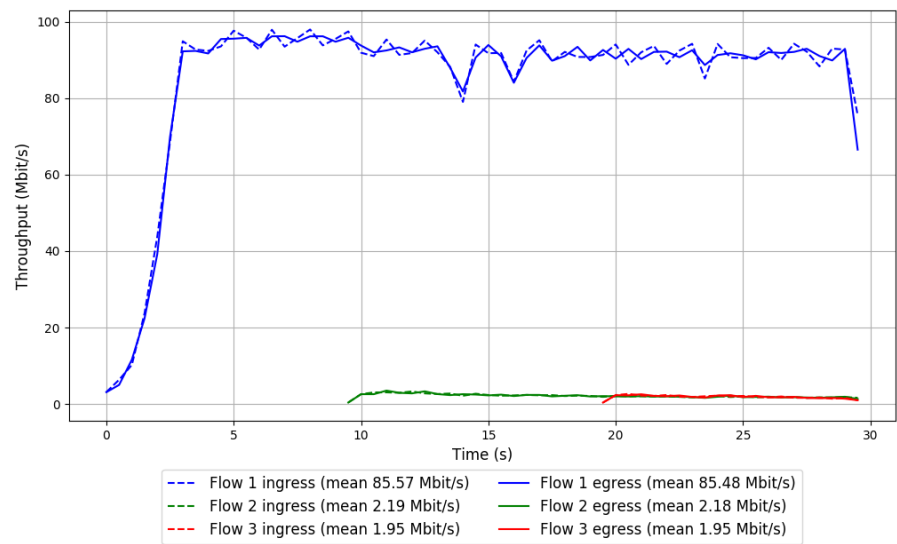
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 47.580 ms

Loss rate: 0.62%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

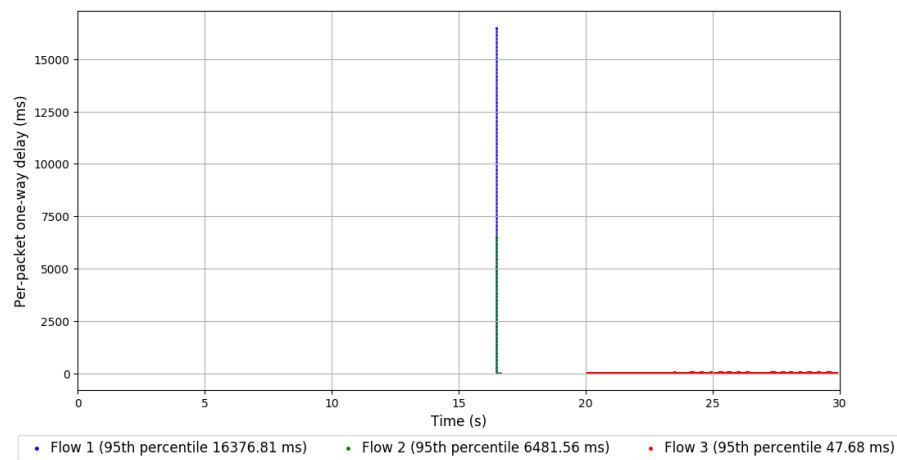
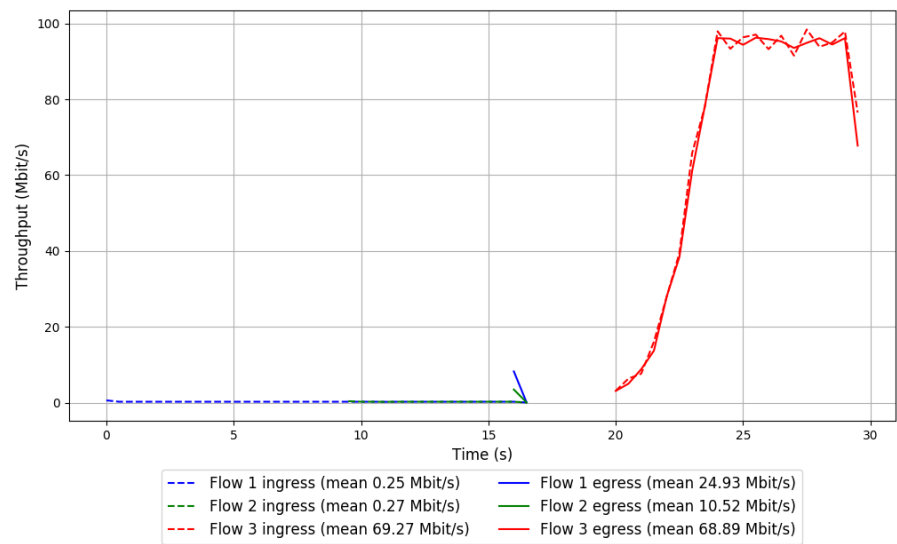
Start at: 2017-08-11 06:35:18

End at: 2017-08-11 06:35:48

Local clock offset: 0.448 ms

Remote clock offset: 2.645 ms

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-08-11 06:56:11

End at: 2017-08-11 06:56:41

Local clock offset: 0.464 ms

Remote clock offset: 2.674 ms

Below is generated by plot.py at 2017-08-11 13:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 50.684 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 42.88 Mbit/s

95th percentile per-packet one-way delay: 51.022 ms

Loss rate: 0.51%

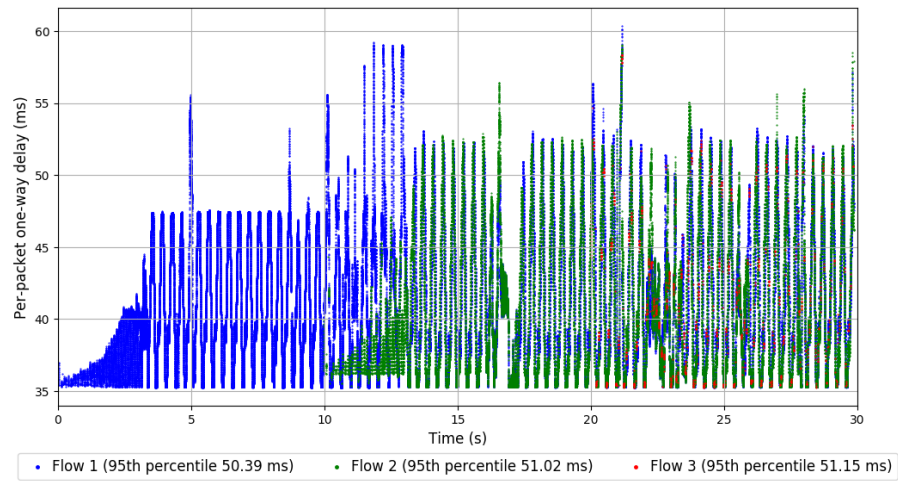
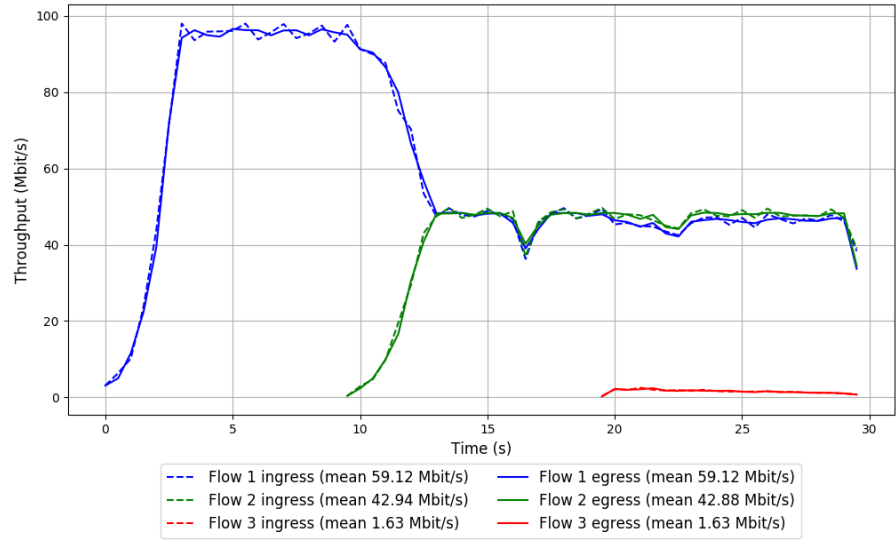
-- Flow 3:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 51.149 ms

Loss rate: 0.52%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: 2017-08-11 07:17:11

End at: 2017-08-11 07:17:41

Local clock offset: 0.389 ms

Remote clock offset: 2.676 ms

Below is generated by plot.py at 2017-08-11 13:05:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 49.749 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 55.07 Mbit/s

95th percentile per-packet one-way delay: 49.758 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 49.789 ms

Loss rate: 0.40%

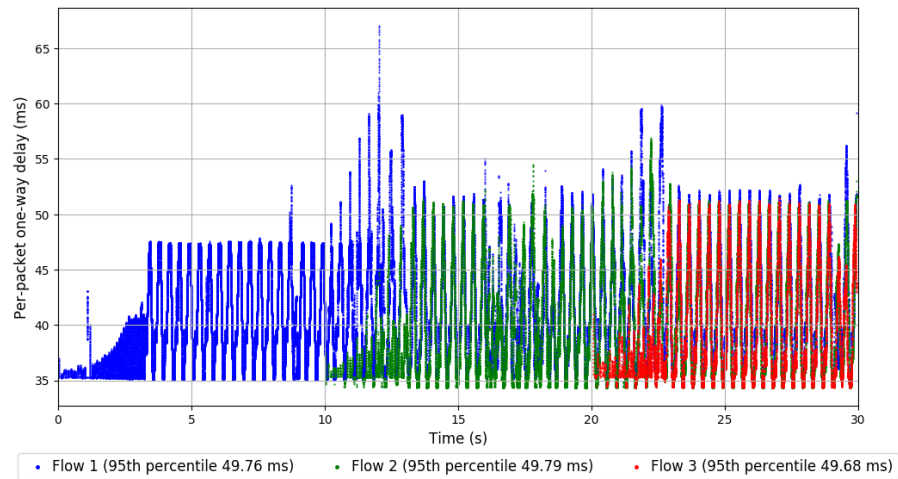
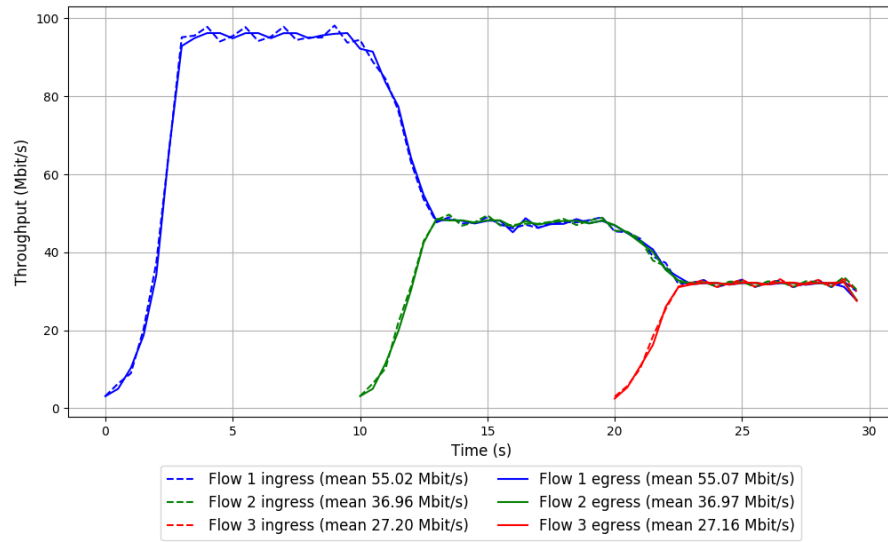
-- Flow 3:

Average throughput: 27.16 Mbit/s

95th percentile per-packet one-way delay: 49.681 ms

Loss rate: 1.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: 2017-08-11 07:38:15

End at: 2017-08-11 07:38:45

Local clock offset: 0.463 ms

Remote clock offset: 2.568 ms

Below is generated by plot.py at 2017-08-11 13:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 48.931 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 48.538 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 41.74 Mbit/s

95th percentile per-packet one-way delay: 49.353 ms

Loss rate: 0.49%

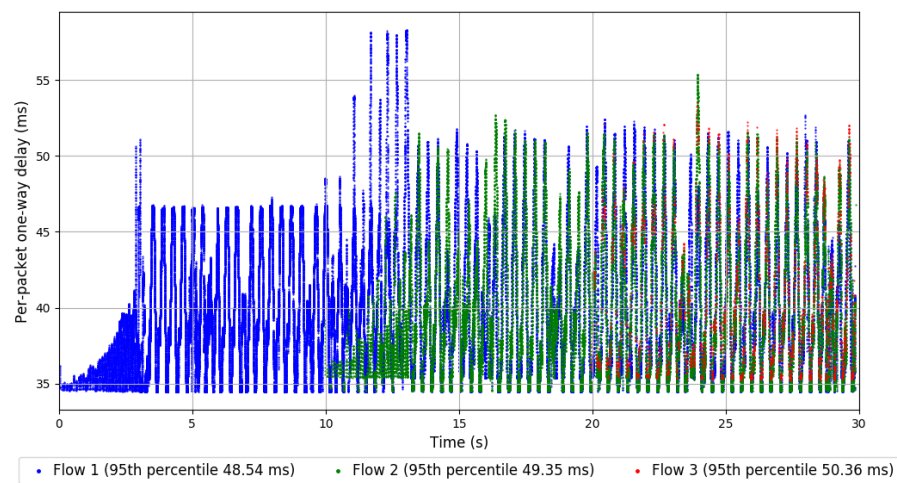
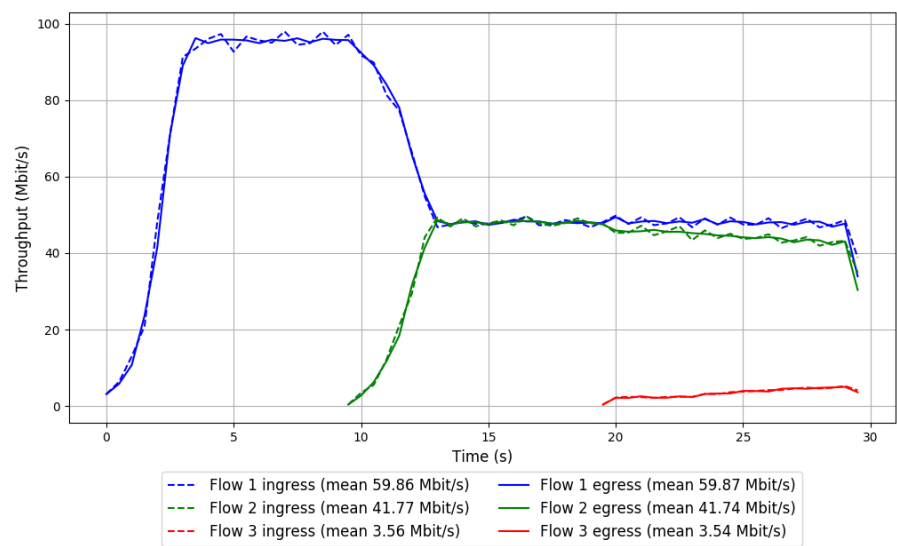
-- Flow 3:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 50.362 ms

Loss rate: 1.49%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-08-11 07:59:22

End at: 2017-08-11 07:59:52

Local clock offset: 0.369 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2017-08-11 13:05:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 52.243 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: 52.404 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 43.54 Mbit/s

95th percentile per-packet one-way delay: 52.098 ms

Loss rate: 0.55%

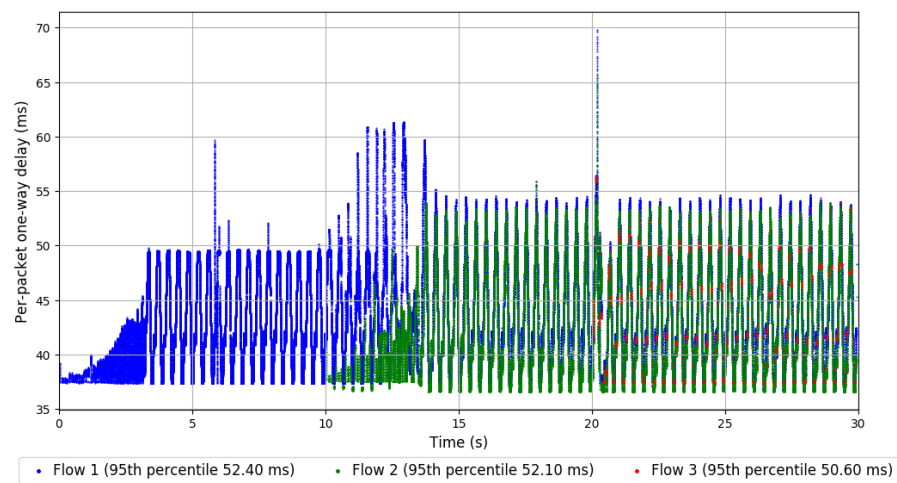
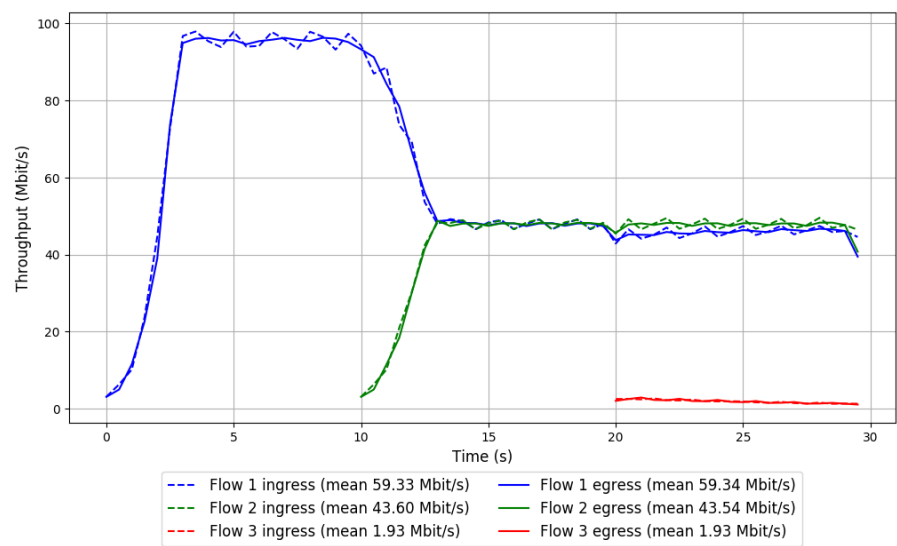
-- Flow 3:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.599 ms

Loss rate: 0.69%

Run 7: Report of CalibratedKoho — Data Link

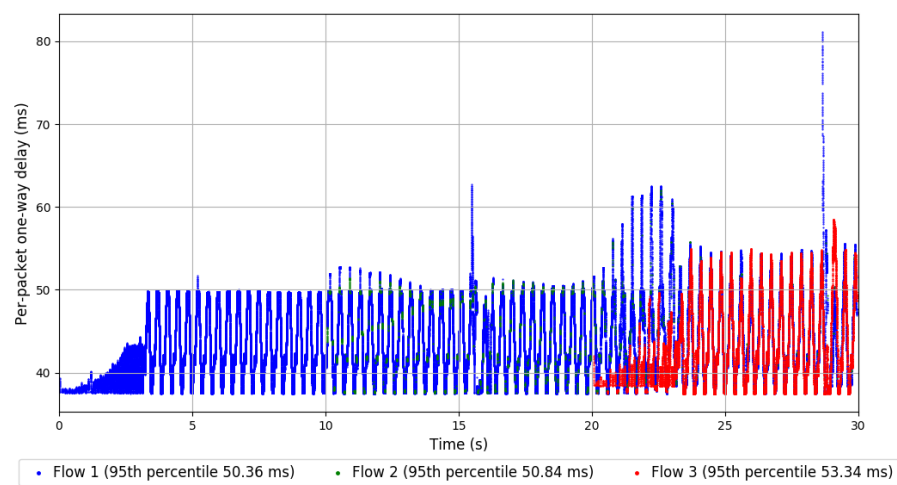
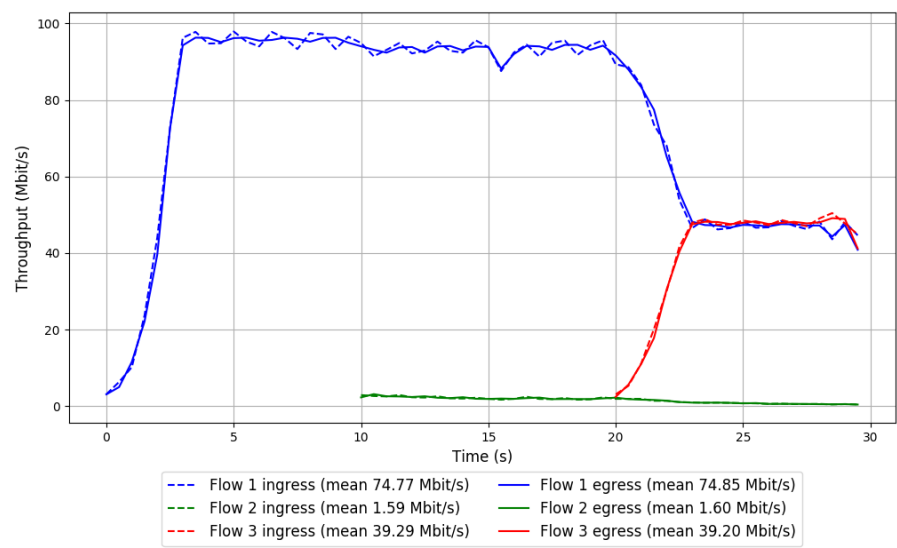


Run 8: Statistics of CalibratedKoho

Start at: 2017-08-11 08:20:29
End at: 2017-08-11 08:20:59
Local clock offset: 0.268 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2017-08-11 13:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 74.85 Mbit/s
95th percentile per-packet one-way delay: 50.357 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 50.835 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 53.339 ms
Loss rate: 1.08%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: 2017-08-11 08:41:31

End at: 2017-08-11 08:42:01

Local clock offset: 0.161 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2017-08-11 13:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 51.788 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 50.872 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 52.764 ms

Loss rate: 0.43%

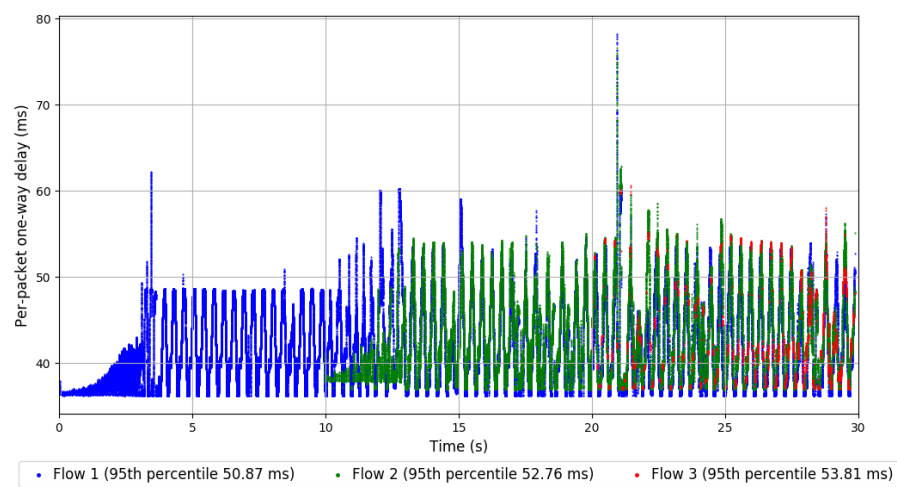
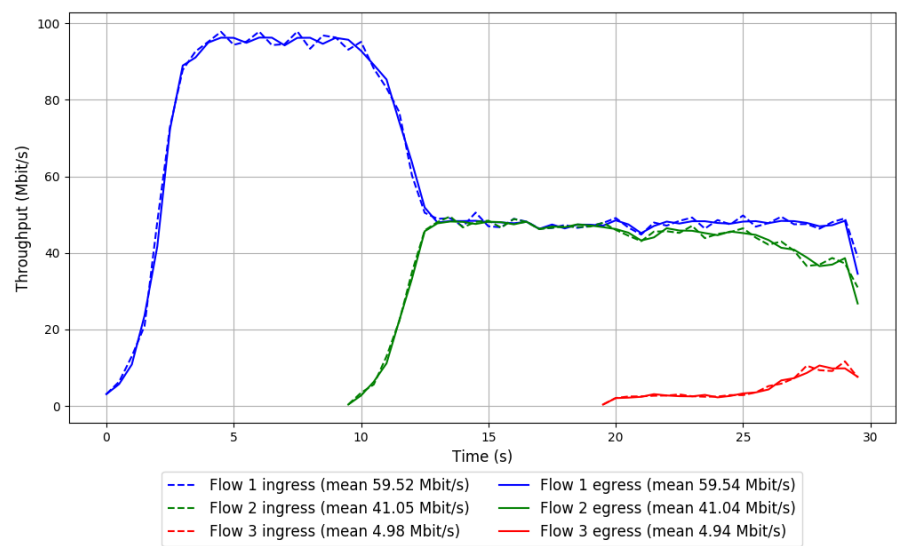
-- Flow 3:

Average throughput: 4.94 Mbit/s

95th percentile per-packet one-way delay: 53.814 ms

Loss rate: 1.74%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: 2017-08-11 09:02:31

End at: 2017-08-11 09:03:01

Local clock offset: 0.205 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2017-08-11 13:05:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 52.245 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 52.206 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 52.278 ms

Loss rate: 0.45%

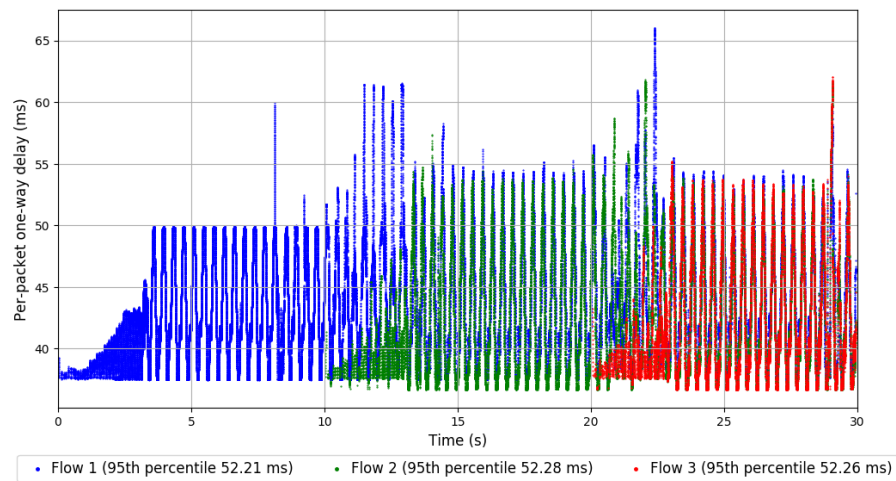
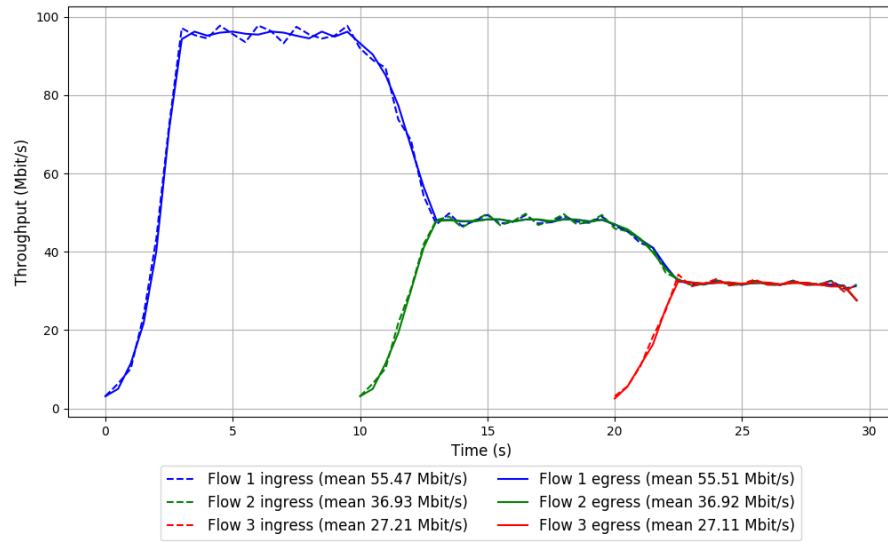
-- Flow 3:

Average throughput: 27.11 Mbit/s

95th percentile per-packet one-way delay: 52.257 ms

Loss rate: 1.22%

Run 10: Report of CalibratedKoho — Data Link

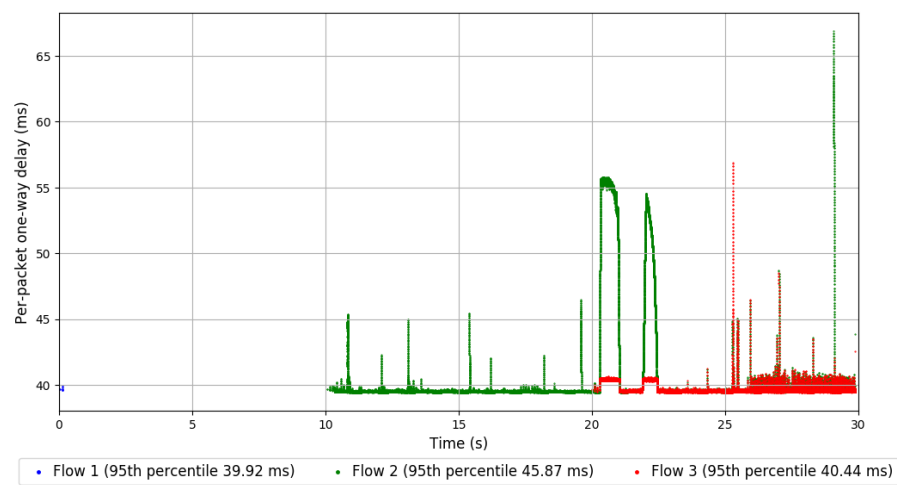
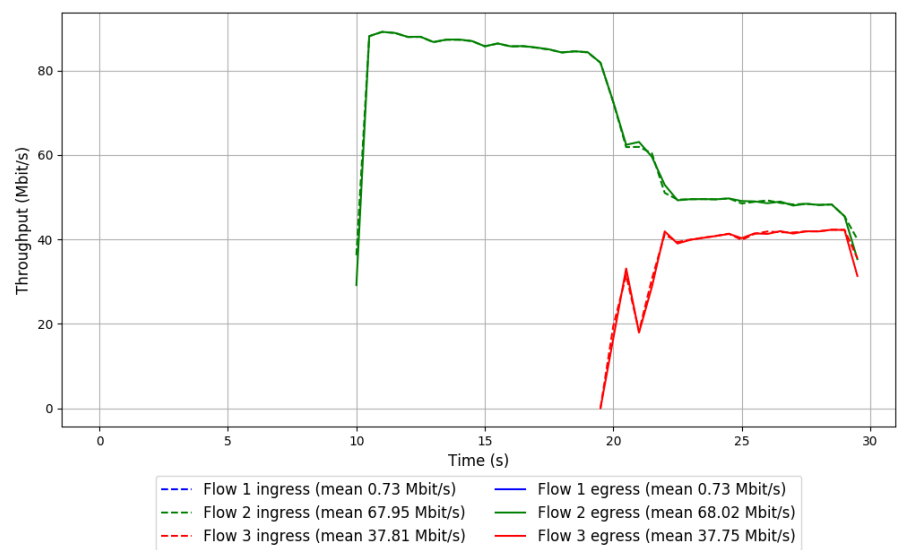


Run 1: Statistics of Copa

Start at: 2017-08-11 05:44:34
End at: 2017-08-11 05:45:04
Local clock offset: 0.848 ms
Remote clock offset: -2.342 ms

Below is generated by plot.py at 2017-08-11 13:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 41.137 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 39.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 45.870 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 40.440 ms
Loss rate: 1.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-08-11 06:05:49

End at: 2017-08-11 06:06:19

Local clock offset: 0.704 ms

Remote clock offset: 2.364 ms

Below is generated by plot.py at 2017-08-11 13:06:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.19 Mbit/s

95th percentile per-packet one-way delay: 41.082 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 50.36 Mbit/s

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

Loss rate: 0.29%

-- Flow 2:

Average throughput: 30.39 Mbit/s

95th percentile per-packet one-way delay: 42.259 ms

Loss rate: 0.58%

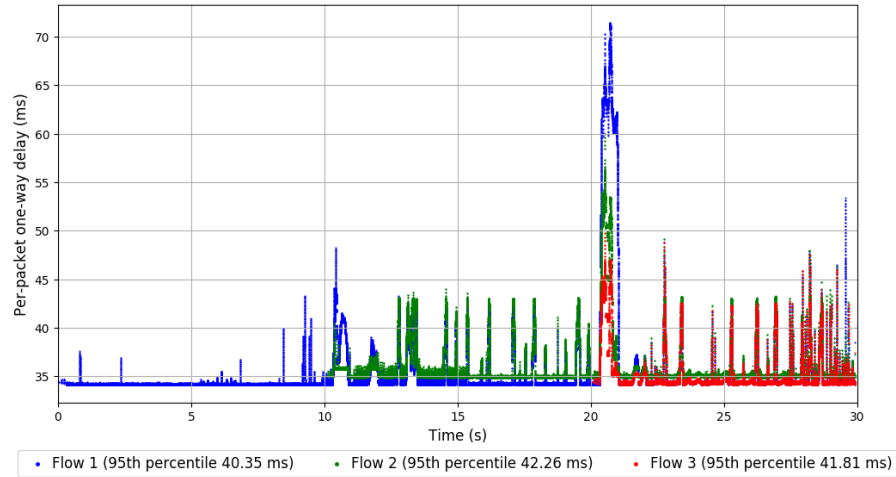
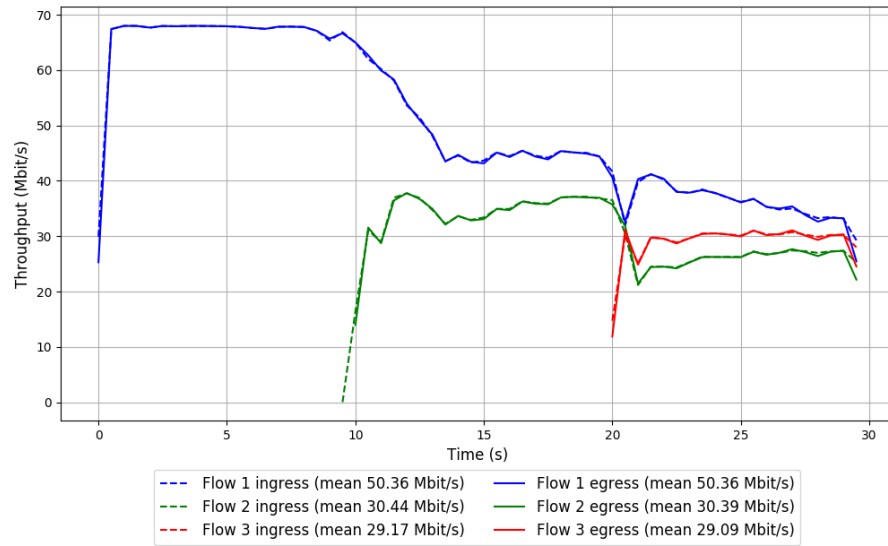
-- Flow 3:

Average throughput: 29.09 Mbit/s

95th percentile per-packet one-way delay: 41.809 ms

Loss rate: 1.12%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-08-11 06:26:53

End at: 2017-08-11 06:27:23

Local clock offset: -0.288 ms

Remote clock offset: 2.529 ms

Below is generated by plot.py at 2017-08-11 13:06:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 41.386 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 50.98 Mbit/s

95th percentile per-packet one-way delay: 41.215 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 42.061 ms

Loss rate: 0.60%

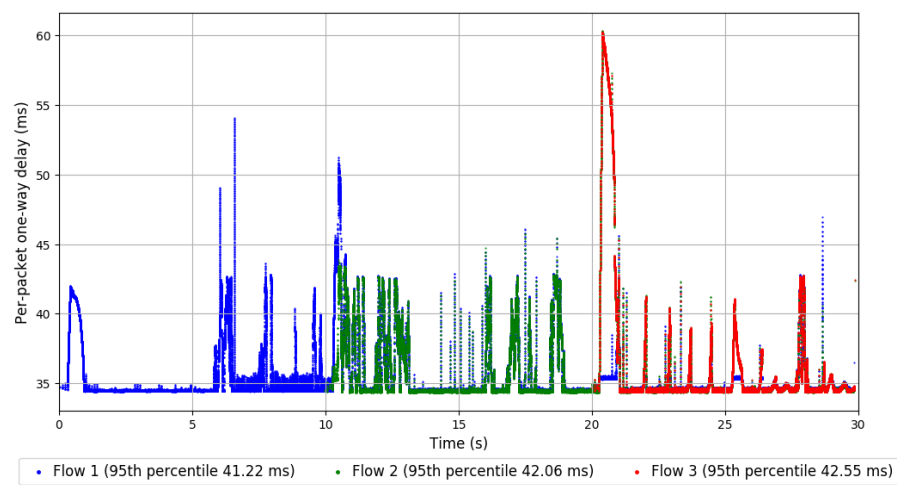
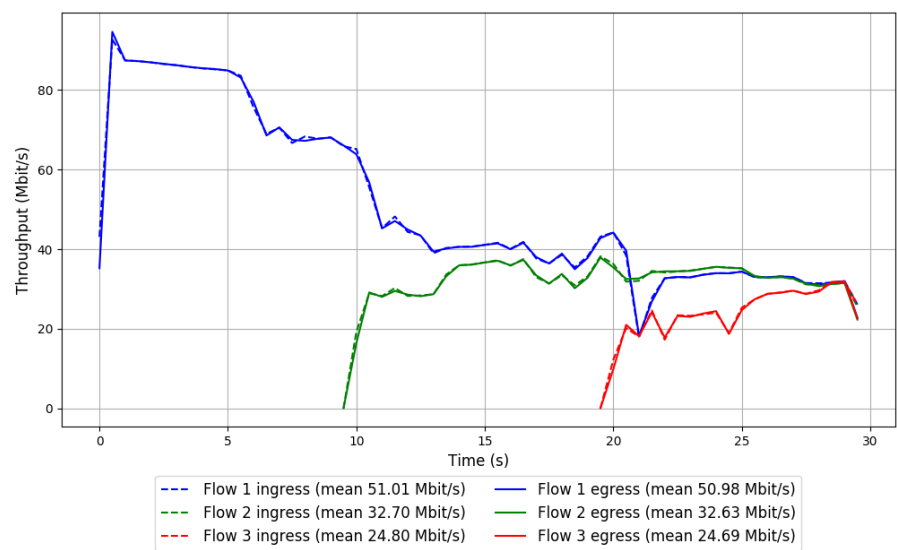
-- Flow 3:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 42.548 ms

Loss rate: 1.23%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-08-11 06:47:42

End at: 2017-08-11 06:48:12

Local clock offset: 0.455 ms

Remote clock offset: 2.71 ms

Below is generated by plot.py at 2017-08-11 13:06:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.86 Mbit/s

95th percentile per-packet one-way delay: 43.405 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 45.31 Mbit/s

95th percentile per-packet one-way delay: 39.926 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 51.436 ms

Loss rate: 0.37%

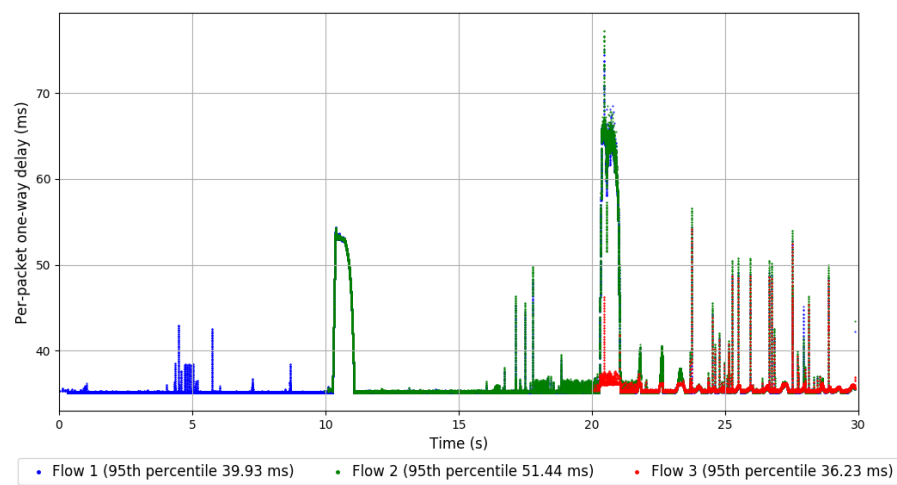
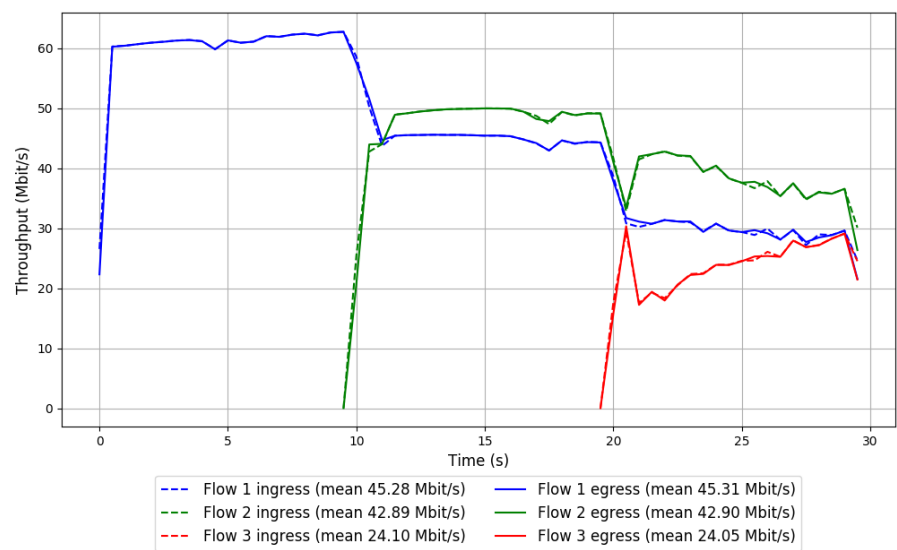
-- Flow 3:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 36.227 ms

Loss rate: 1.06%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-08-11 07:08:43

End at: 2017-08-11 07:09:13

Local clock offset: 0.382 ms

Remote clock offset: 2.675 ms

Below is generated by plot.py at 2017-08-11 13:06:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 45.738 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 45.192 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 48.282 ms

Loss rate: 0.40%

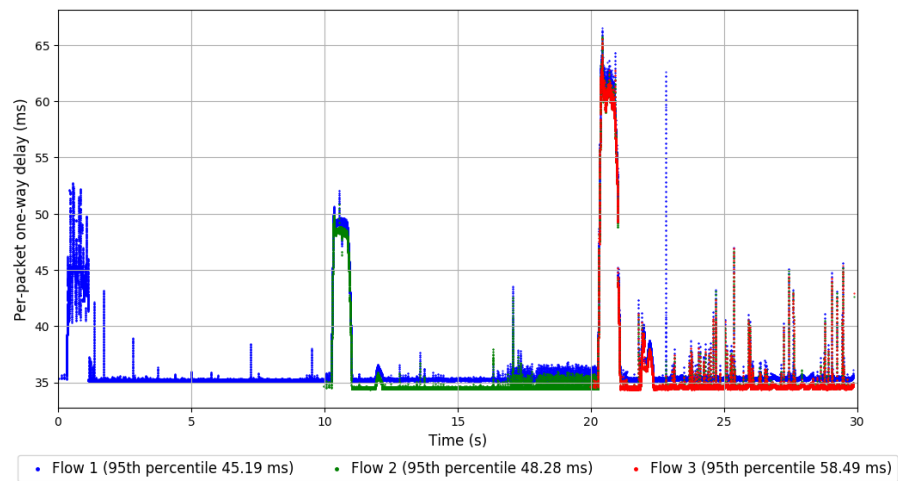
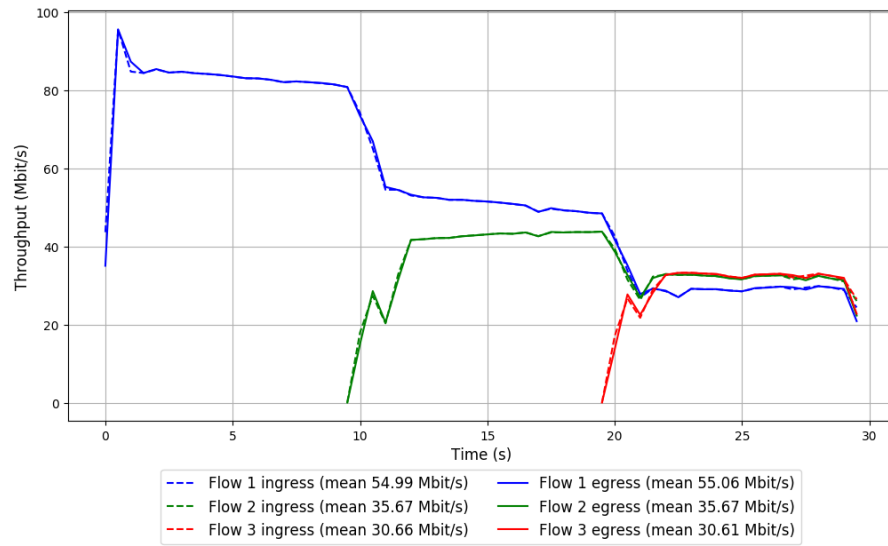
-- Flow 3:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 58.488 ms

Loss rate: 0.93%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-08-11 07:29:44

End at: 2017-08-11 07:30:14

Local clock offset: 0.389 ms

Remote clock offset: 2.641 ms

Below is generated by plot.py at 2017-08-11 13:06:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 37.457 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 60.67 Mbit/s

95th percentile per-packet one-way delay: 38.874 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: 35.306 ms

Loss rate: 0.41%

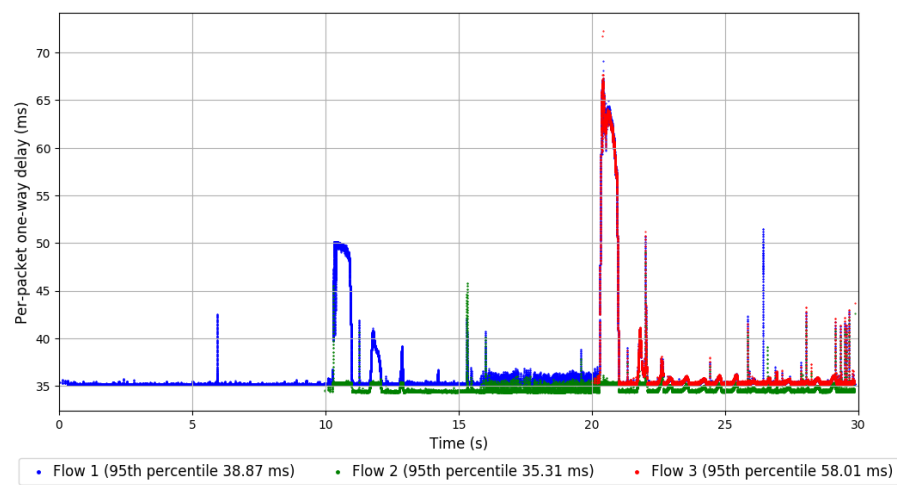
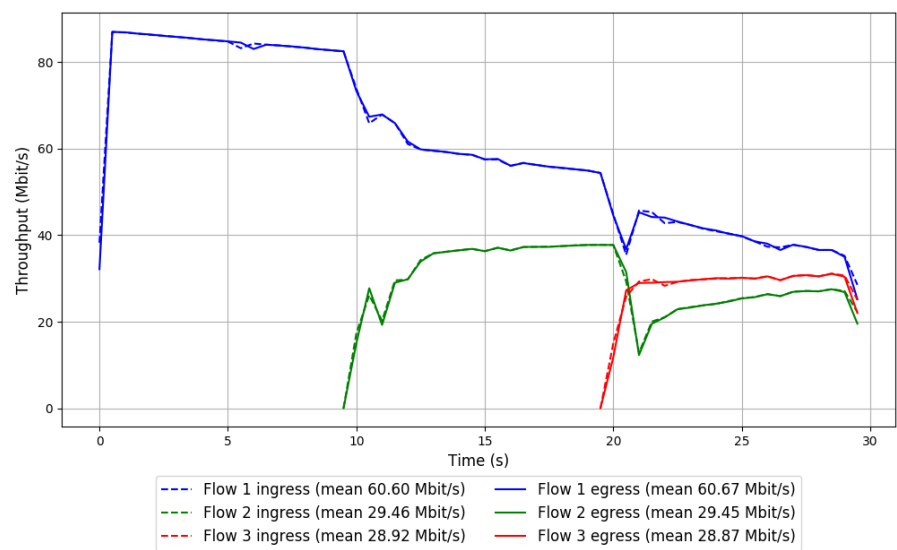
-- Flow 3:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 58.010 ms

Loss rate: 0.97%

Run 6: Report of Copa — Data Link

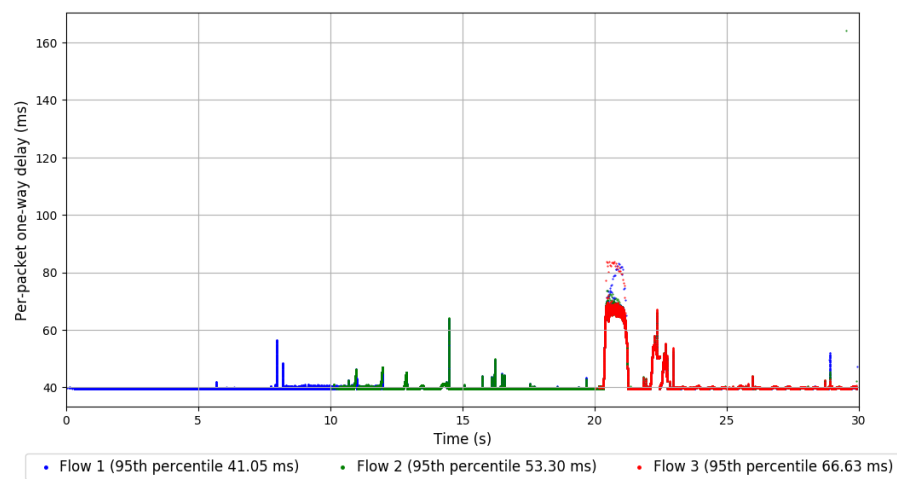
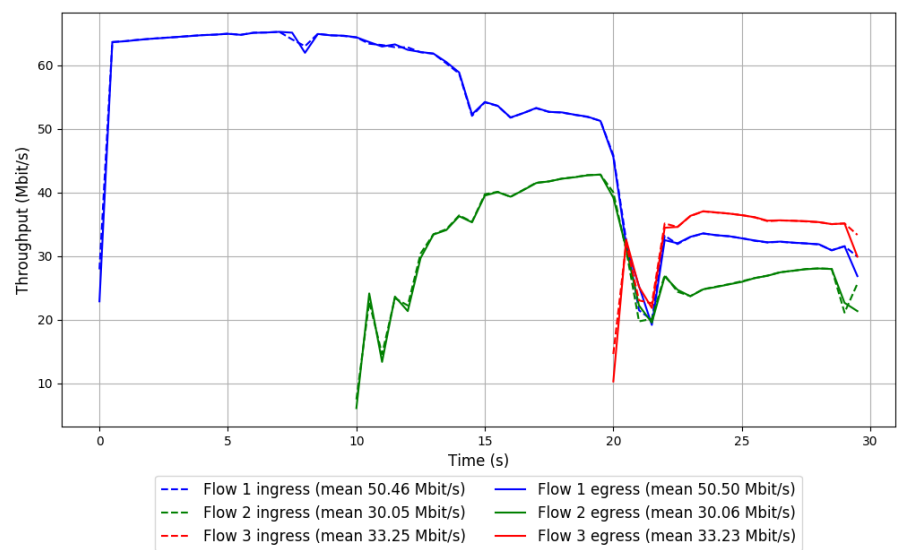


Run 7: Statistics of Copa

Start at: 2017-08-11 07:50:52
End at: 2017-08-11 07:51:22
Local clock offset: 0.372 ms
Remote clock offset: -1.855 ms

Below is generated by plot.py at 2017-08-11 13:06:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 47.766 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 41.046 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 53.300 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 66.631 ms
Loss rate: 0.94%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-08-11 08:11:58

End at: 2017-08-11 08:12:28

Local clock offset: 0.404 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2017-08-11 13:07:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.31 Mbit/s

95th percentile per-packet one-way delay: 48.155 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 41.166 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 39.93 Mbit/s

95th percentile per-packet one-way delay: 49.295 ms

Loss rate: 0.33%

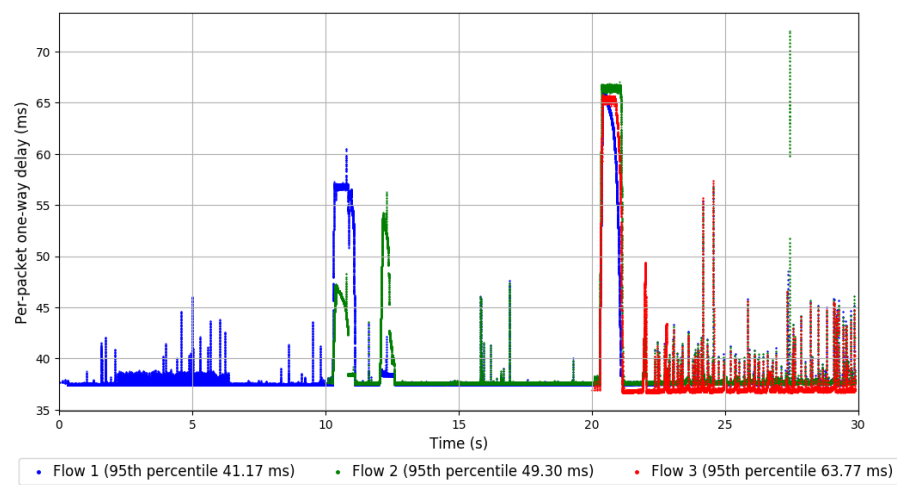
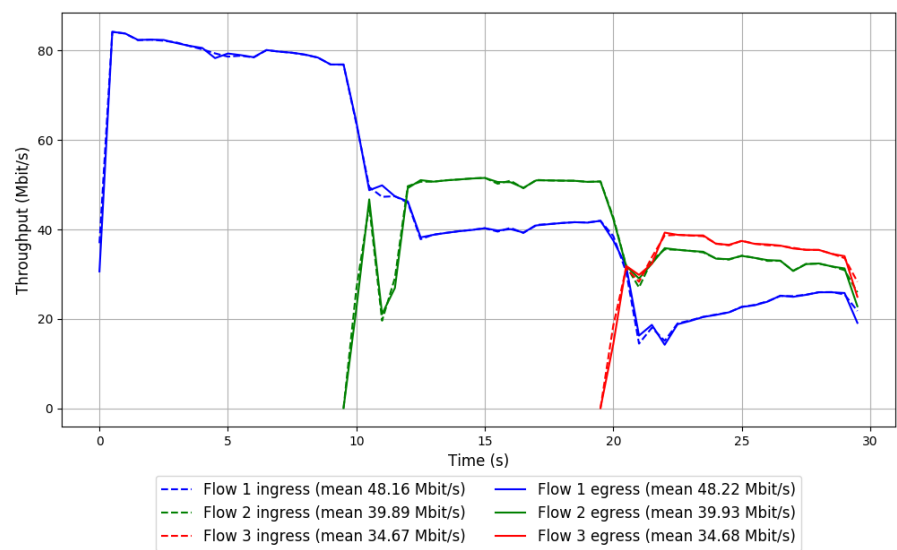
-- Flow 3:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 63.769 ms

Loss rate: 0.81%

Run 8: Report of Copa — Data Link

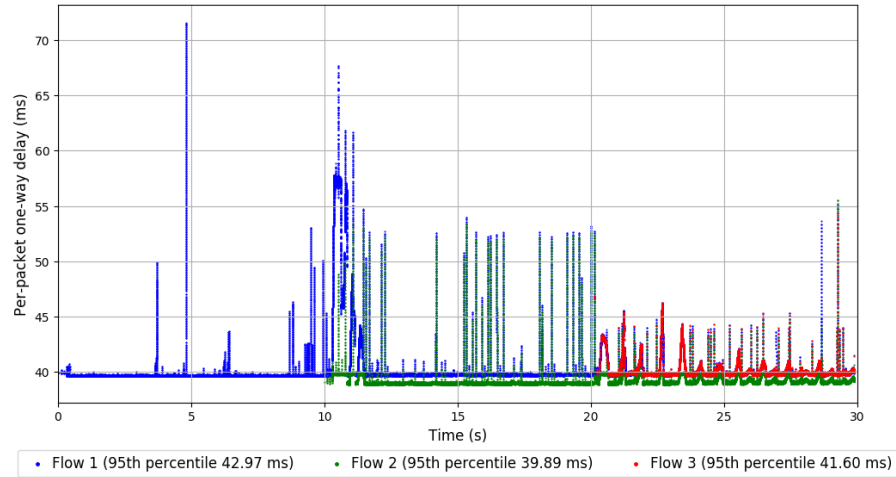
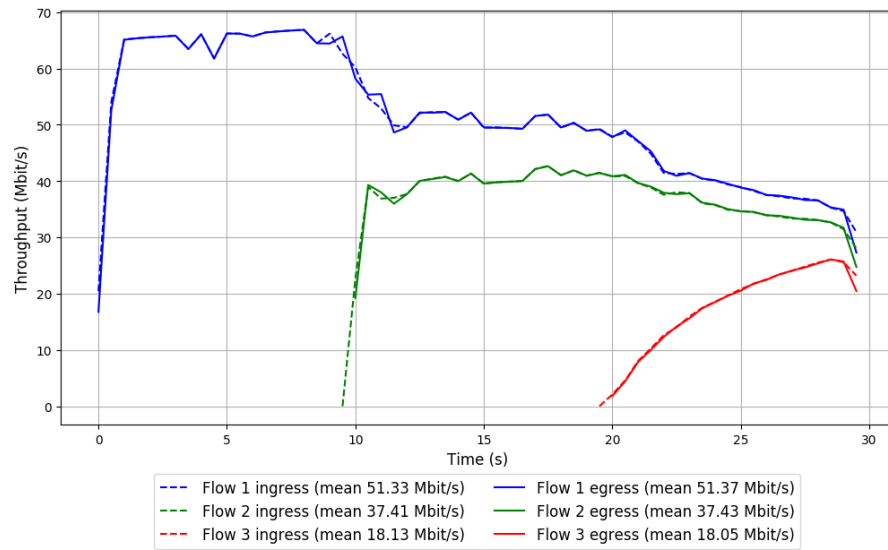


Run 9: Statistics of Copa

Start at: 2017-08-11 08:33:02
End at: 2017-08-11 08:33:32
Local clock offset: 0.334 ms
Remote clock offset: -2.142 ms

Below is generated by plot.py at 2017-08-11 13:07:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 41.846 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 42.972 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 39.888 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 41.602 ms
Loss rate: 1.31%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-08-11 08:54:03

End at: 2017-08-11 08:54:33

Local clock offset: 0.221 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2017-08-11 13:07:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 46.389 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 44.695 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 54.801 ms

Loss rate: 0.39%

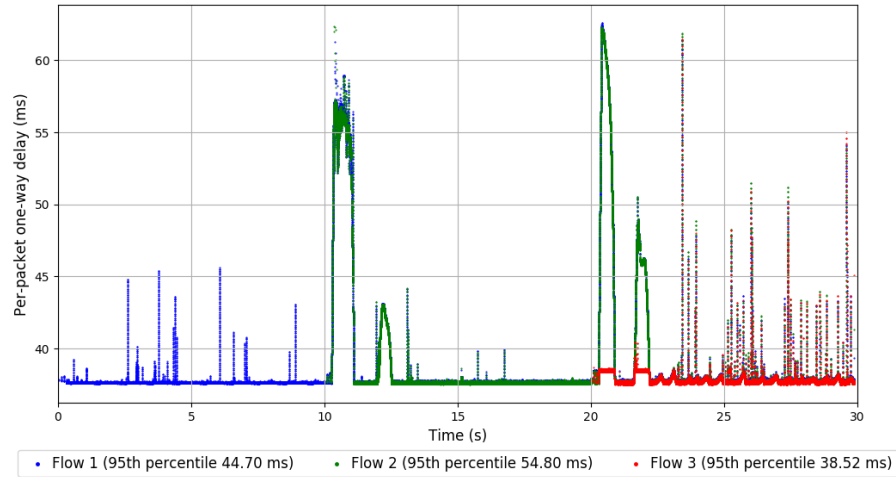
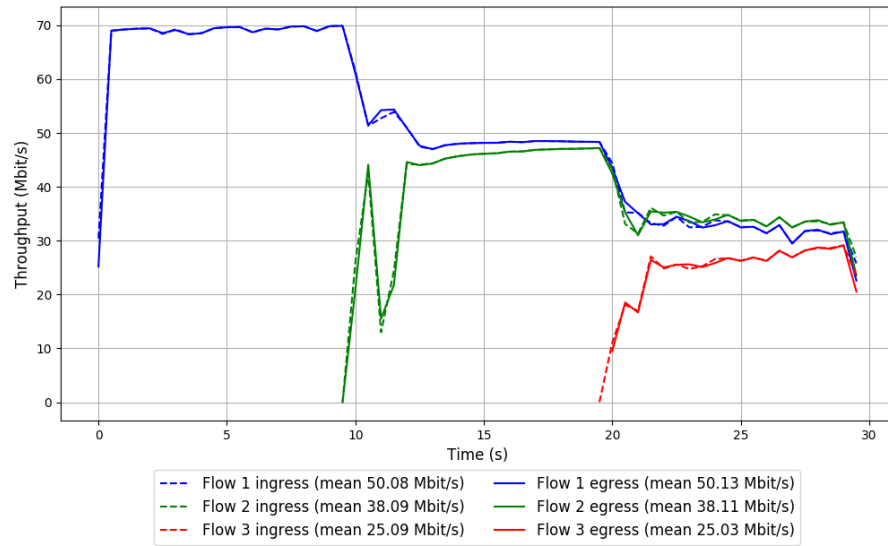
-- Flow 3:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 38.518 ms

Loss rate: 1.04%

Run 10: Report of Copa — Data Link

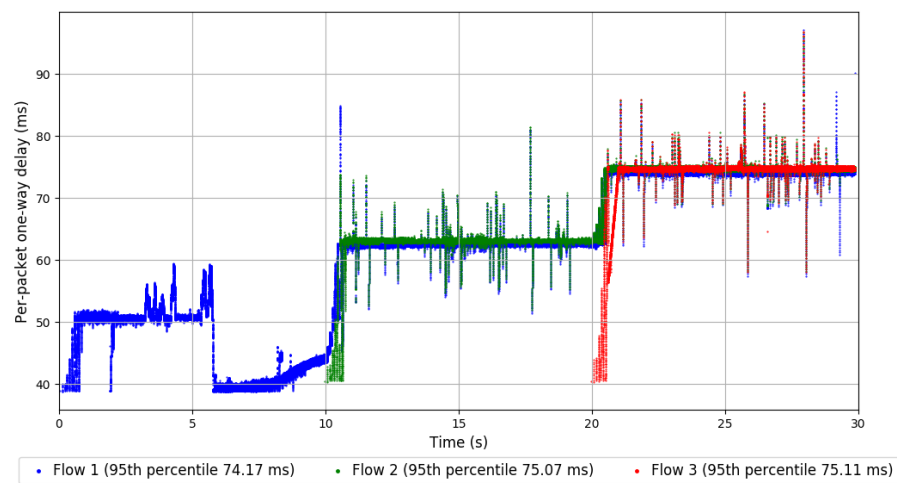
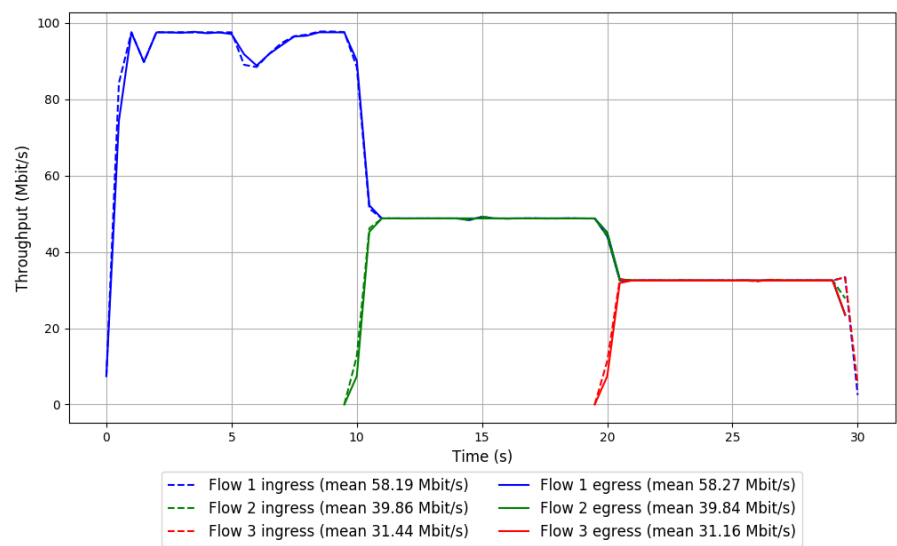


Run 1: Statistics of TCP Cubic

Start at: 2017-08-11 05:46:01
End at: 2017-08-11 05:46:31
Local clock offset: 0.96 ms
Remote clock offset: -2.411 ms

Below is generated by plot.py at 2017-08-11 13:07:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 74.920 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 58.27 Mbit/s
95th percentile per-packet one-way delay: 74.175 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 75.074 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 75.115 ms
Loss rate: 3.13%

Run 1: Report of TCP Cubic — Data Link

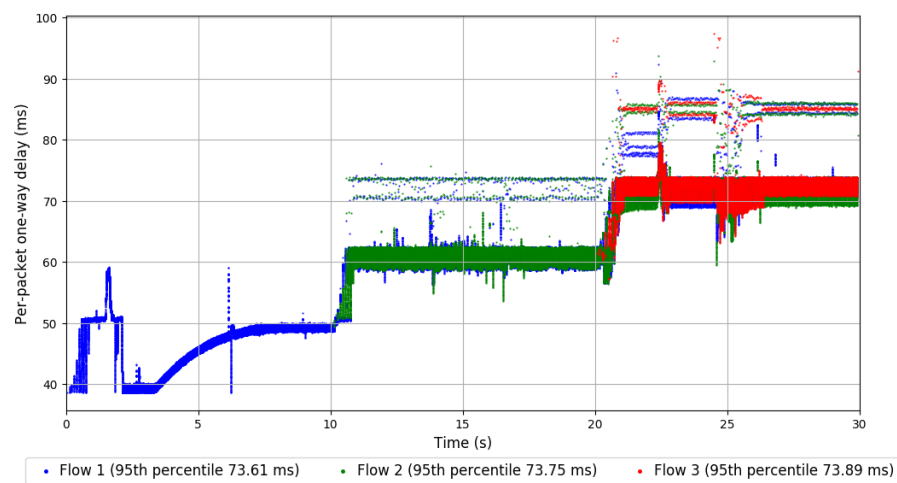
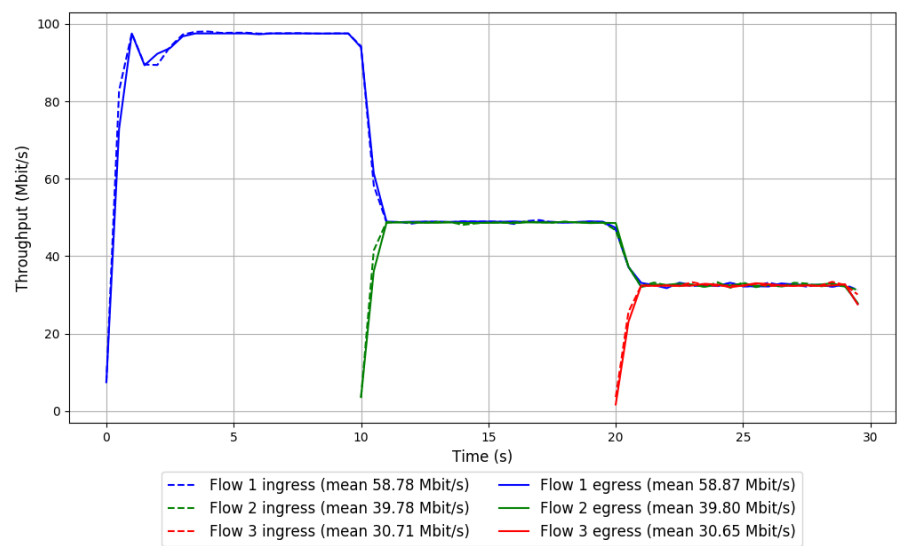


Run 2: Statistics of TCP Cubic

Start at: 2017-08-11 06:07:18
End at: 2017-08-11 06:07:48
Local clock offset: 0.671 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2017-08-11 13:07:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 73.726 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 73.615 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 73.753 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 73.885 ms
Loss rate: 1.27%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-08-11 06:28:22

End at: 2017-08-11 06:28:52

Local clock offset: 0.609 ms

Remote clock offset: 2.597 ms

Below is generated by plot.py at 2017-08-11 13:07:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 70.458 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 58.73 Mbit/s

95th percentile per-packet one-way delay: 69.883 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 69.968 ms

Loss rate: 0.52%

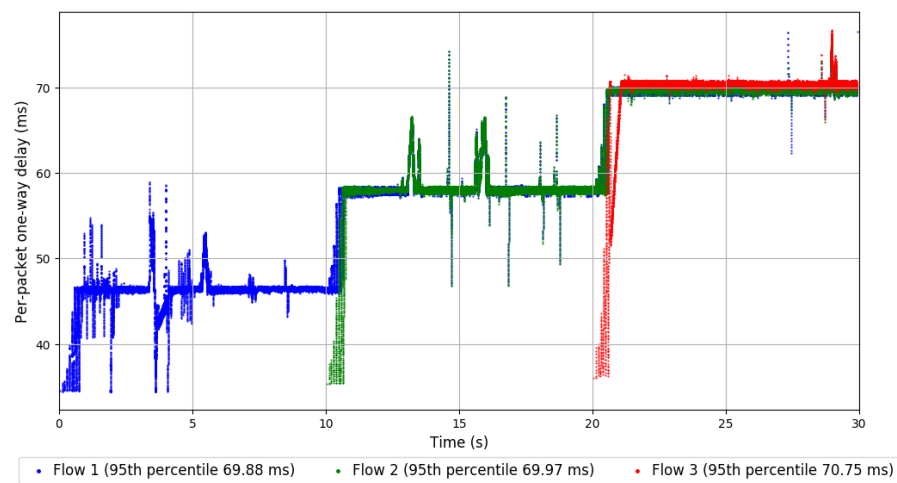
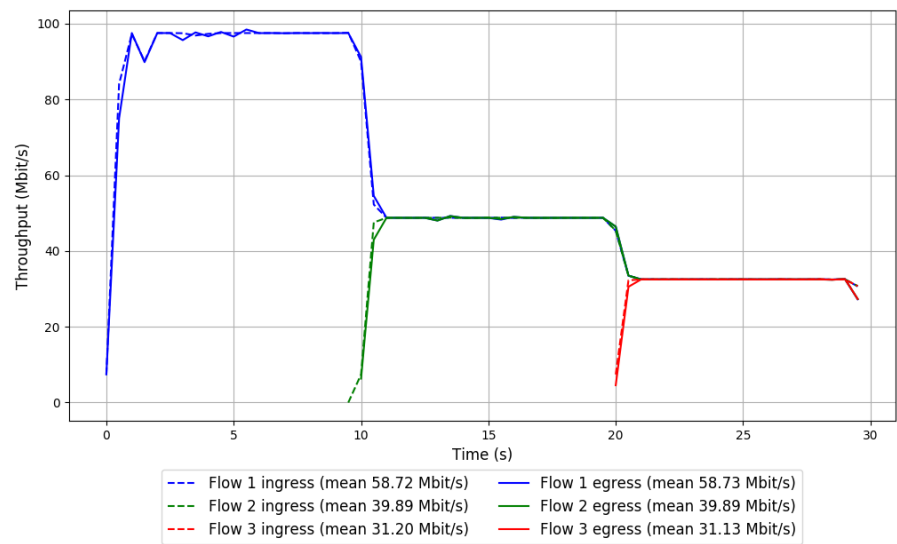
-- Flow 3:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 70.754 ms

Loss rate: 1.28%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-08-11 06:49:11

End at: 2017-08-11 06:49:41

Local clock offset: 0.387 ms

Remote clock offset: 2.629 ms

Below is generated by plot.py at 2017-08-11 13:07:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 58.632 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 63.83 Mbit/s

95th percentile per-packet one-way delay: 57.884 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 47.51 Mbit/s

95th percentile per-packet one-way delay: 58.853 ms

Loss rate: 0.47%

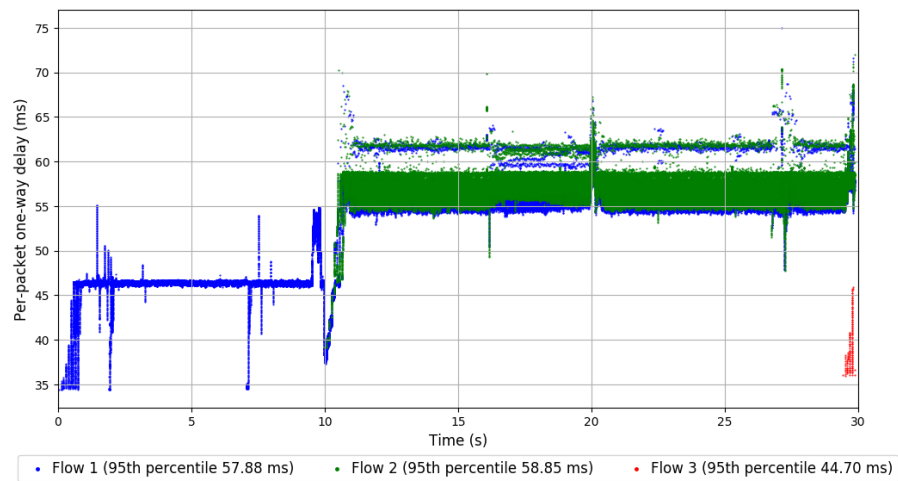
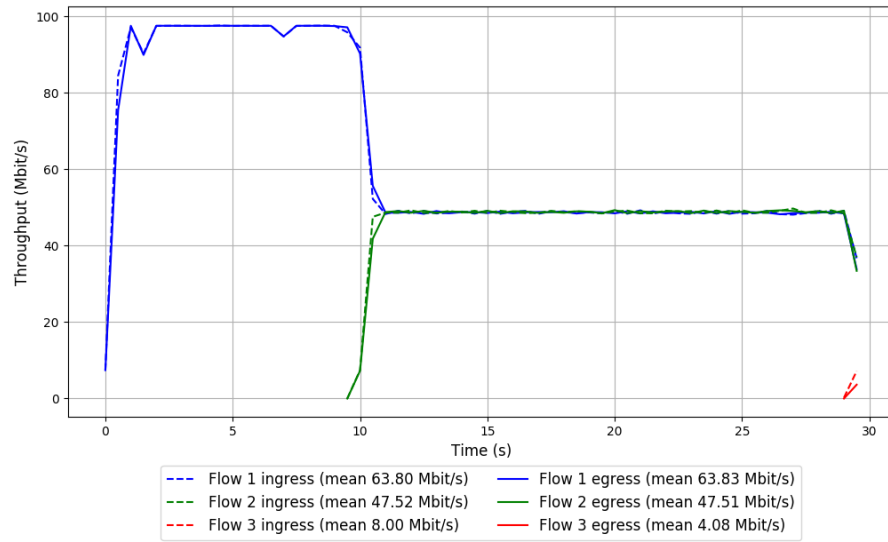
-- Flow 3:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 44.702 ms

Loss rate: 51.10%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-08-11 07:10:13

End at: 2017-08-11 07:10:43

Local clock offset: 0.375 ms

Remote clock offset: 2.646 ms

Below is generated by plot.py at 2017-08-11 13:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 81.810 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.18 Mbit/s

95th percentile per-packet one-way delay: 81.726 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 47.60 Mbit/s

95th percentile per-packet one-way delay: 59.034 ms

Loss rate: 0.57%

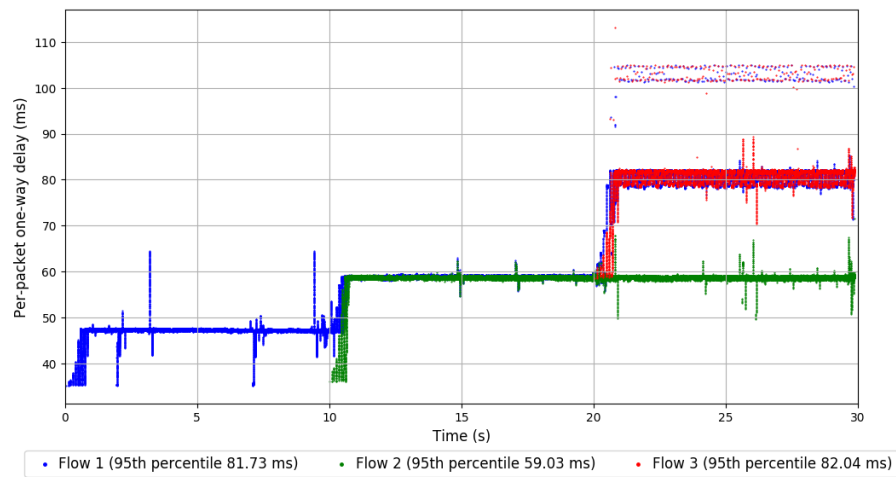
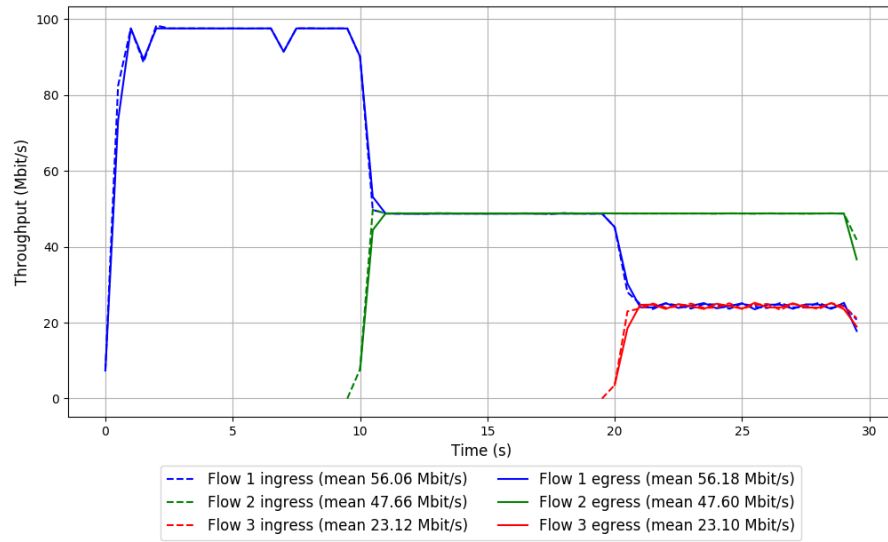
-- Flow 3:

Average throughput: 23.10 Mbit/s

95th percentile per-packet one-way delay: 82.043 ms

Loss rate: 1.45%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-08-11 07:31:13

End at: 2017-08-11 07:31:43

Local clock offset: 0.458 ms

Remote clock offset: 2.634 ms

Below is generated by plot.py at 2017-08-11 13:08:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 58.968 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 63.71 Mbit/s

95th percentile per-packet one-way delay: 59.000 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 47.60 Mbit/s

95th percentile per-packet one-way delay: 58.306 ms

Loss rate: 0.57%

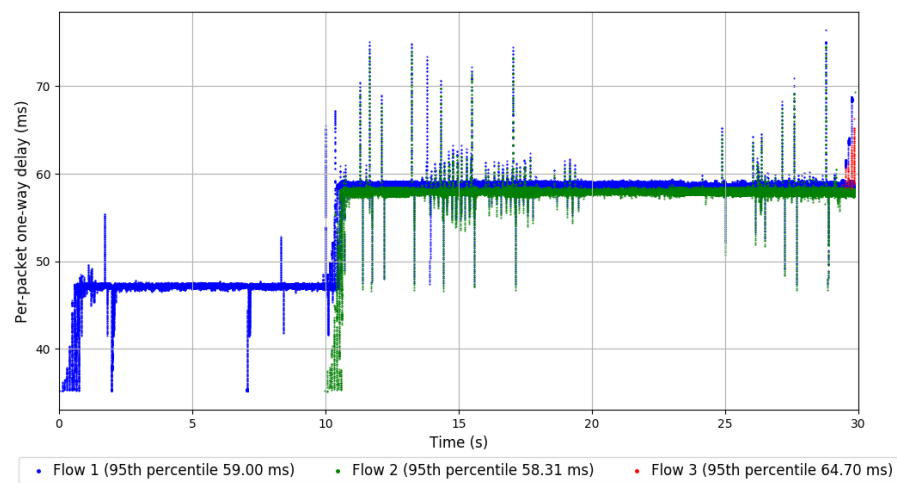
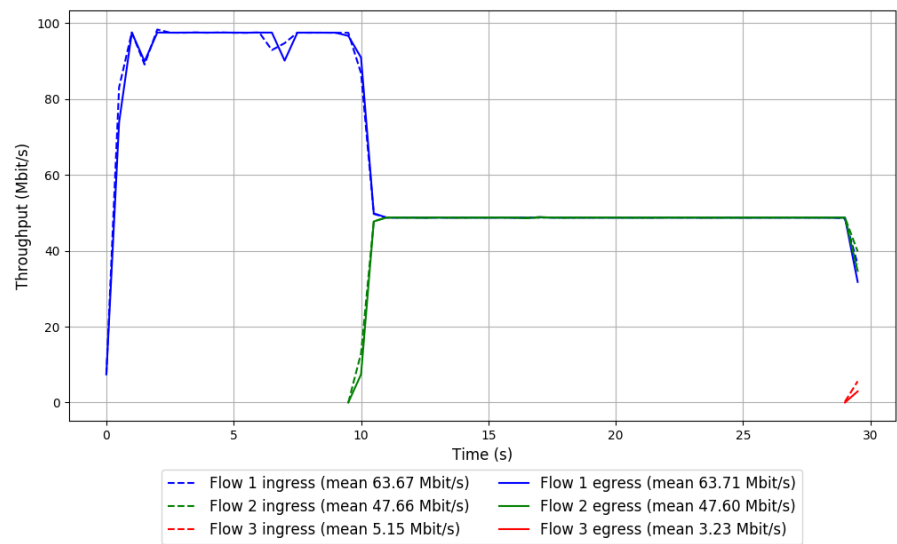
-- Flow 3:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 64.701 ms

Loss rate: 49.34%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-08-11 07:52:21

End at: 2017-08-11 07:52:51

Local clock offset: 0.383 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2017-08-11 13:08:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 72.475 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 72.396 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 71.727 ms

Loss rate: 0.51%

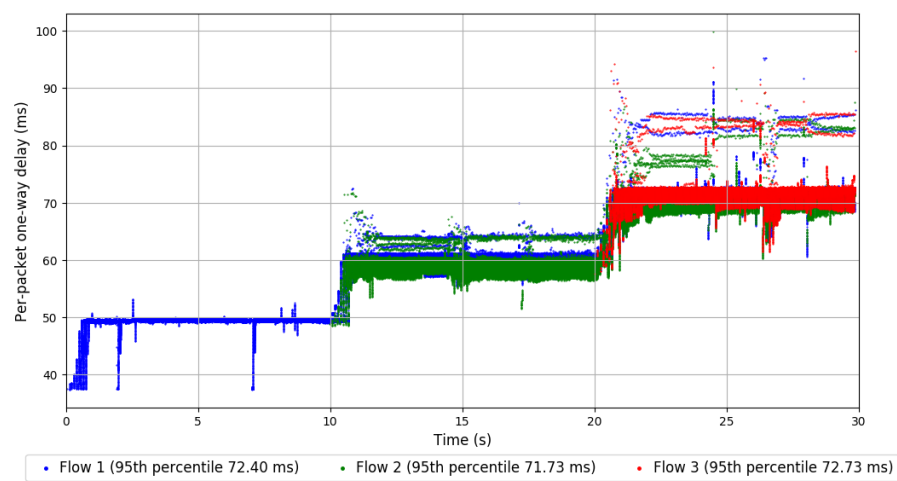
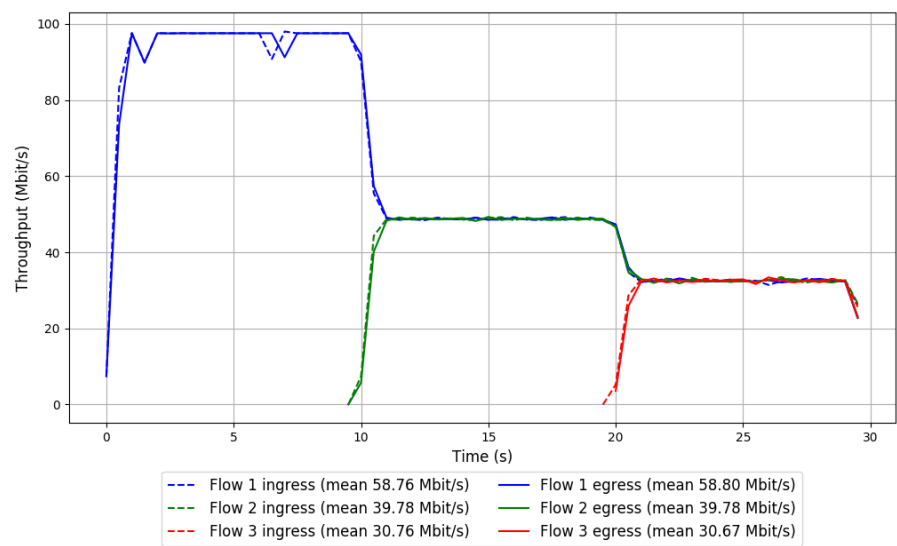
-- Flow 3:

Average throughput: 30.67 Mbit/s

95th percentile per-packet one-way delay: 72.729 ms

Loss rate: 1.28%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-08-11 08:13:27

End at: 2017-08-11 08:13:57

Local clock offset: 0.392 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2017-08-11 13:08:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 83.340 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 56.14 Mbit/s

95th percentile per-packet one-way delay: 83.331 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 47.62 Mbit/s

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

Loss rate: 0.63%

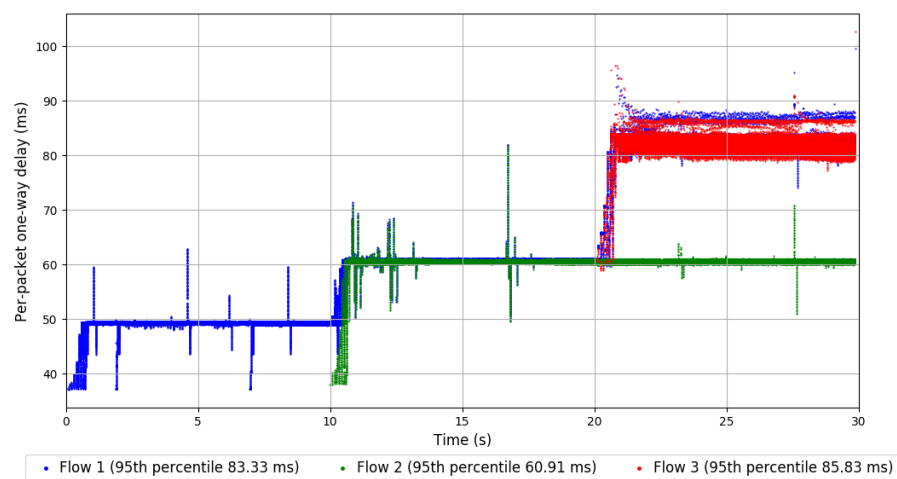
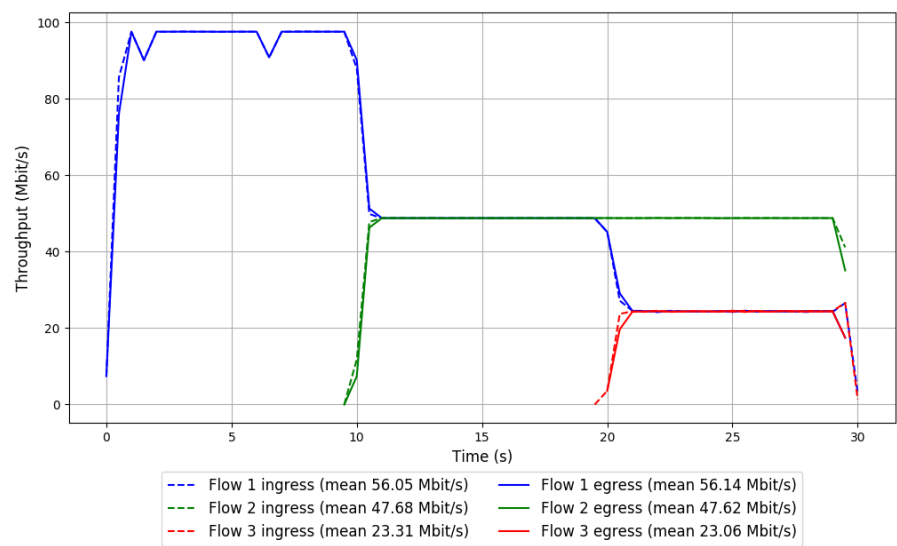
-- Flow 3:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 85.825 ms

Loss rate: 3.11%

Run 8: Report of TCP Cubic — Data Link

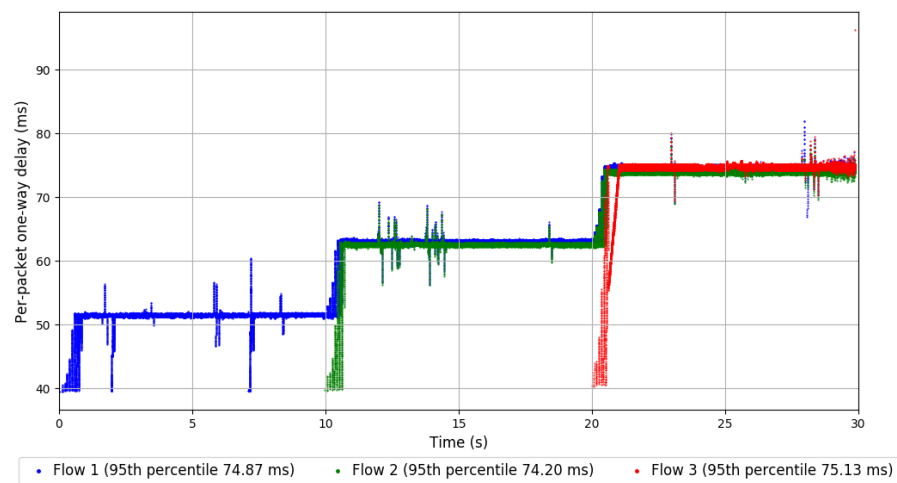
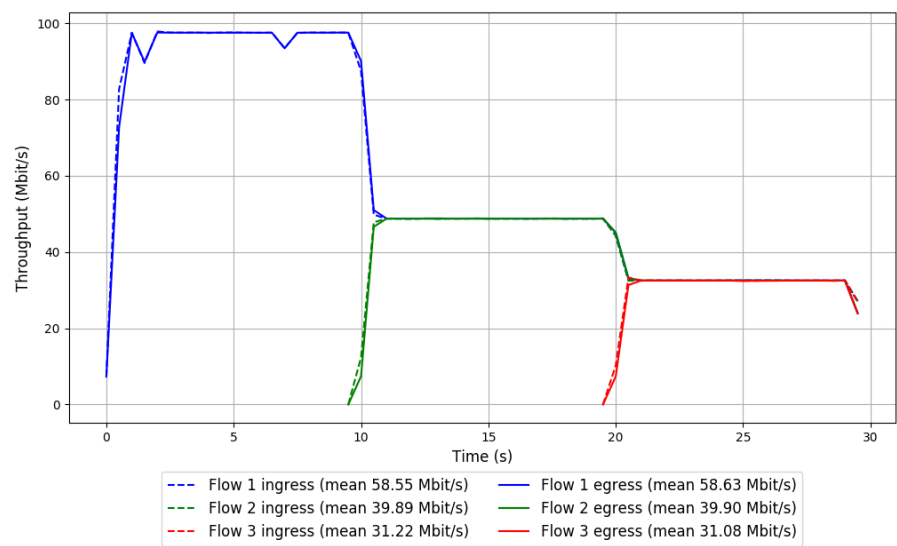


Run 9: Statistics of TCP Cubic

Start at: 2017-08-11 08:34:31
End at: 2017-08-11 08:35:01
Local clock offset: 0.245 ms
Remote clock offset: -2.115 ms

Below is generated by plot.py at 2017-08-11 13:08:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 74.944 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 74.870 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 74.203 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 75.129 ms
Loss rate: 1.27%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-08-11 08:55:31

End at: 2017-08-11 08:56:01

Local clock offset: 0.204 ms

Remote clock offset: 0.517 ms

Below is generated by plot.py at 2017-08-11 13:08:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 82.247 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 82.174 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 82.593 ms

Loss rate: 0.45%

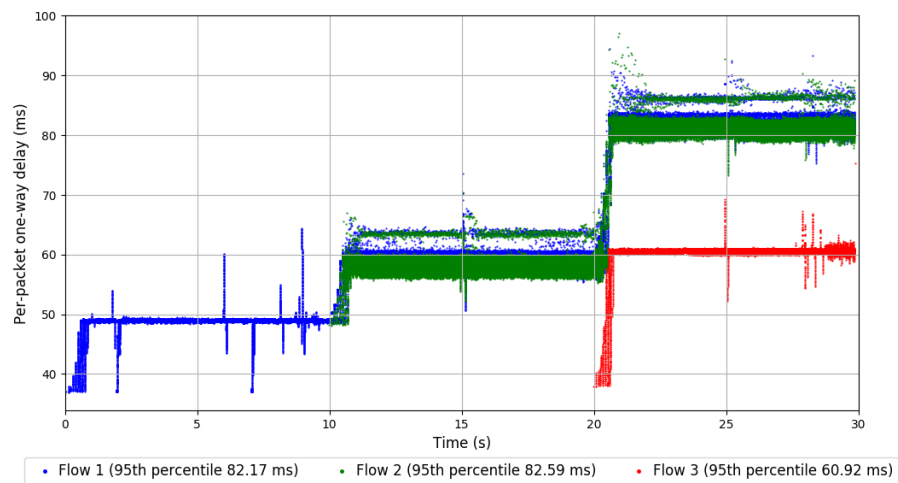
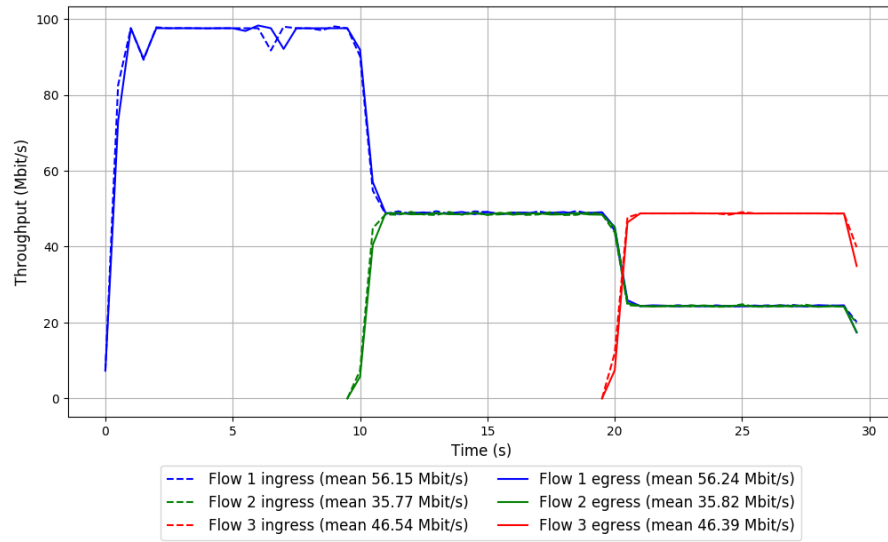
-- Flow 3:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 60.919 ms

Loss rate: 1.17%

Run 10: Report of TCP Cubic — Data Link

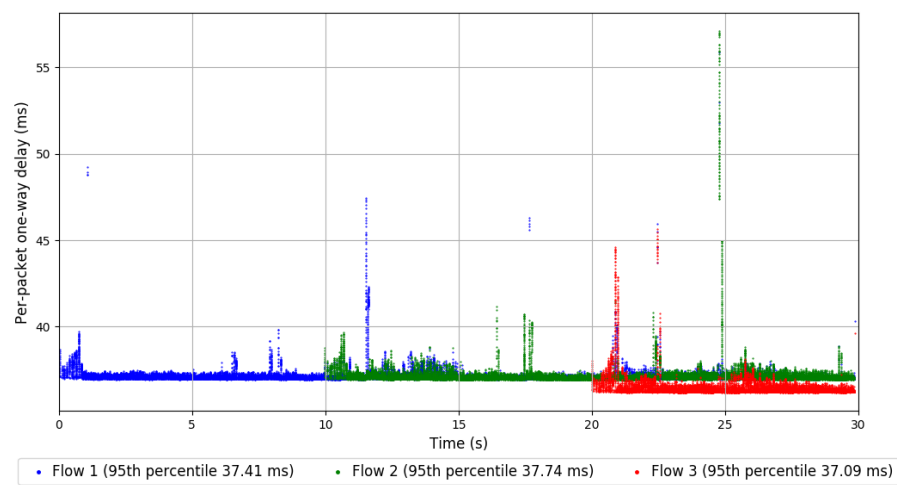
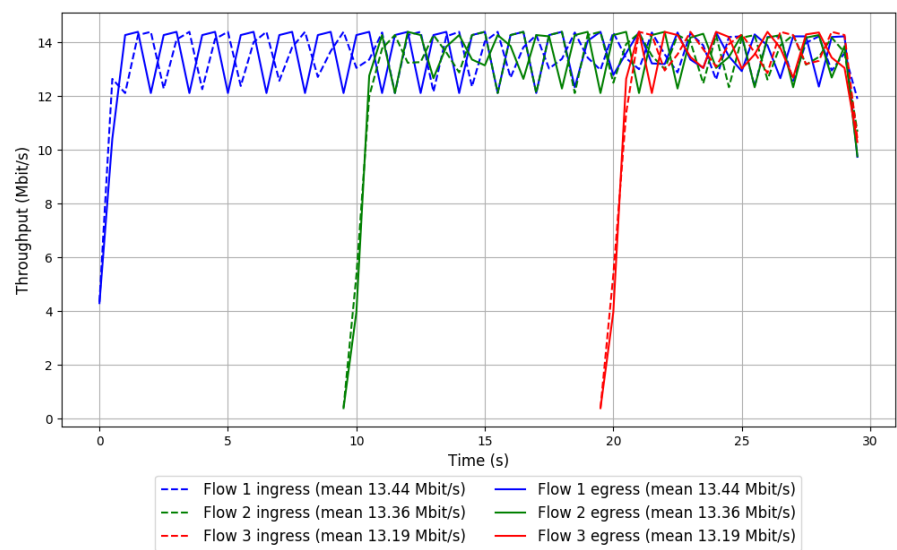


```
Run 1: Statistics of KohoCC

Start at: 2017-08-11 05:41:48
End at: 2017-08-11 05:42:18
Local clock offset: 0.862 ms
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2017-08-11 13:08:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 37.505 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 37.409 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 37.737 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 37.093 ms
Loss rate: 0.89%
```

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: 2017-08-11 06:03:03

End at: 2017-08-11 06:03:33

Local clock offset: 0.721 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2017-08-11 13:08:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.61 Mbit/s

95th percentile per-packet one-way delay: 38.224 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 38.417 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 38.047 ms

Loss rate: 0.45%

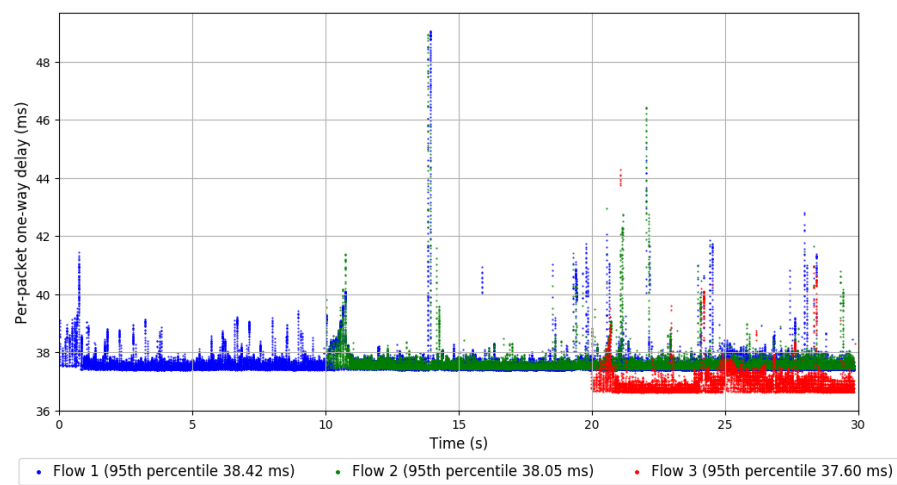
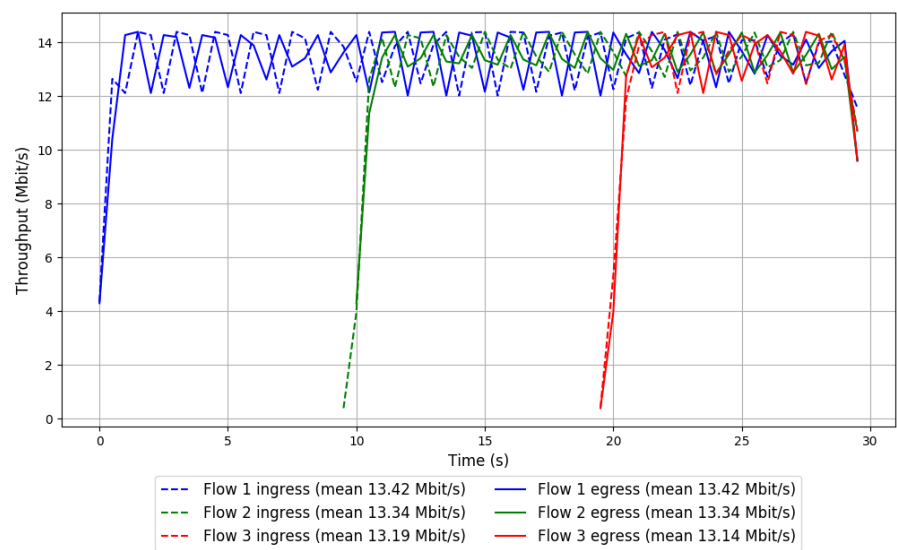
-- Flow 3:

Average throughput: 13.14 Mbit/s

95th percentile per-packet one-way delay: 37.596 ms

Loss rate: 0.91%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: 2017-08-11 06:24:07

End at: 2017-08-11 06:24:37

Local clock offset: 9.5 ms

Remote clock offset: 2.504 ms

Below is generated by plot.py at 2017-08-11 13:08:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.75 Mbit/s

95th percentile per-packet one-way delay: 44.607 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 44.655 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 13.47 Mbit/s

95th percentile per-packet one-way delay: 44.001 ms

Loss rate: 0.45%

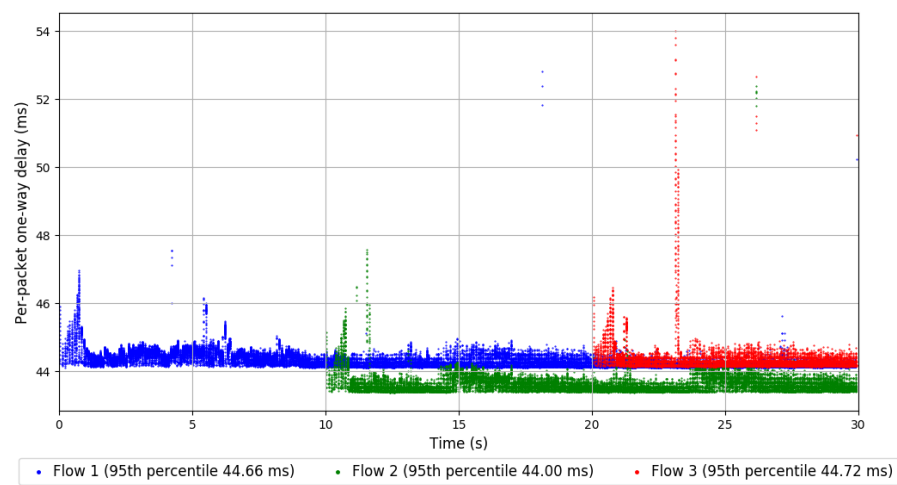
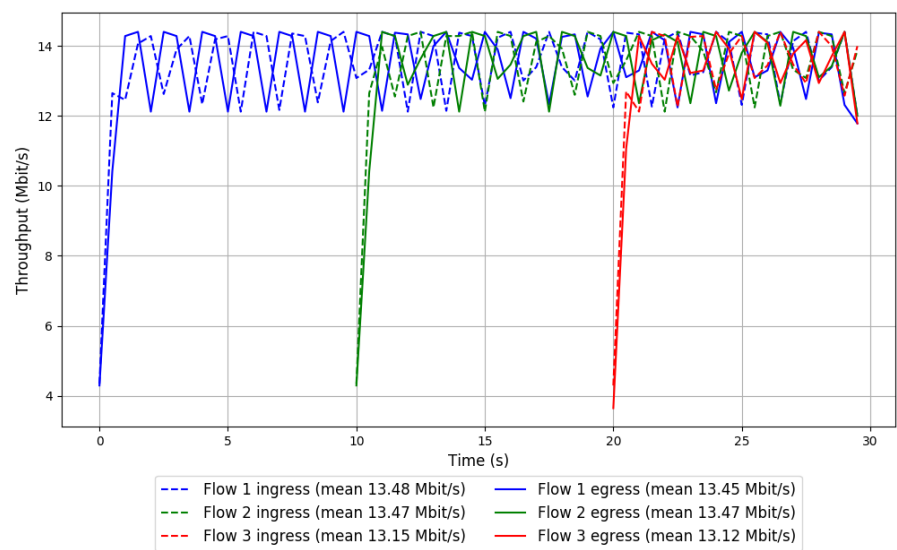
-- Flow 3:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 44.718 ms

Loss rate: 0.91%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-08-11 06:44:59

End at: 2017-08-11 06:45:29

Local clock offset: 0.385 ms

Remote clock offset: 2.622 ms

Below is generated by plot.py at 2017-08-11 13:08:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.80 Mbit/s

95th percentile per-packet one-way delay: 35.929 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 13.41 Mbit/s

95th percentile per-packet one-way delay: 35.841 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 36.061 ms

Loss rate: 0.44%

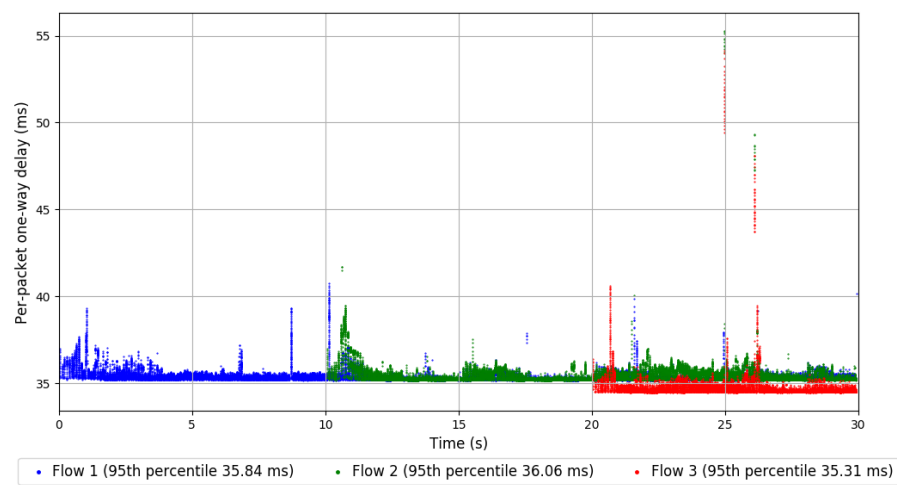
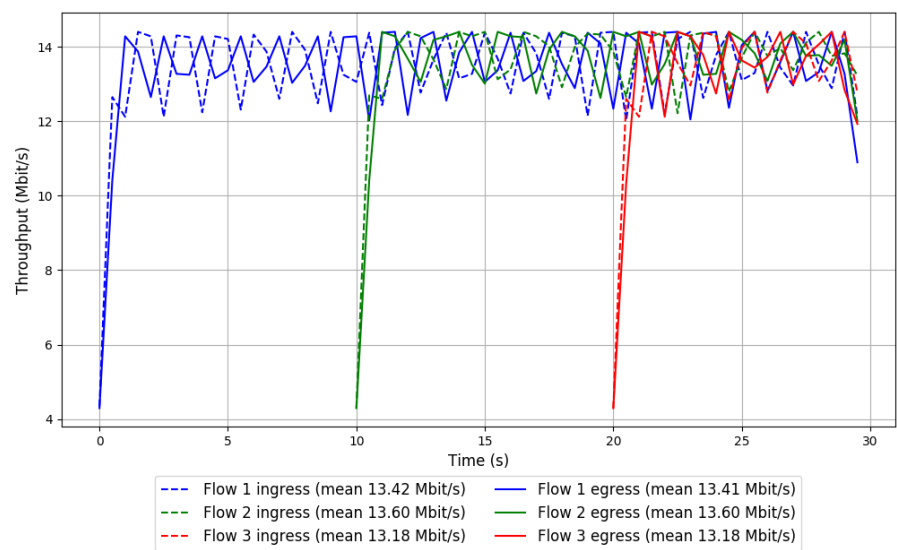
-- Flow 3:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 35.312 ms

Loss rate: 0.91%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-08-11 07:05:57

End at: 2017-08-11 07:06:27

Local clock offset: 0.473 ms

Remote clock offset: 2.731 ms

Below is generated by plot.py at 2017-08-11 13:08:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 35.848 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 36.002 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 35.630 ms

Loss rate: 0.45%

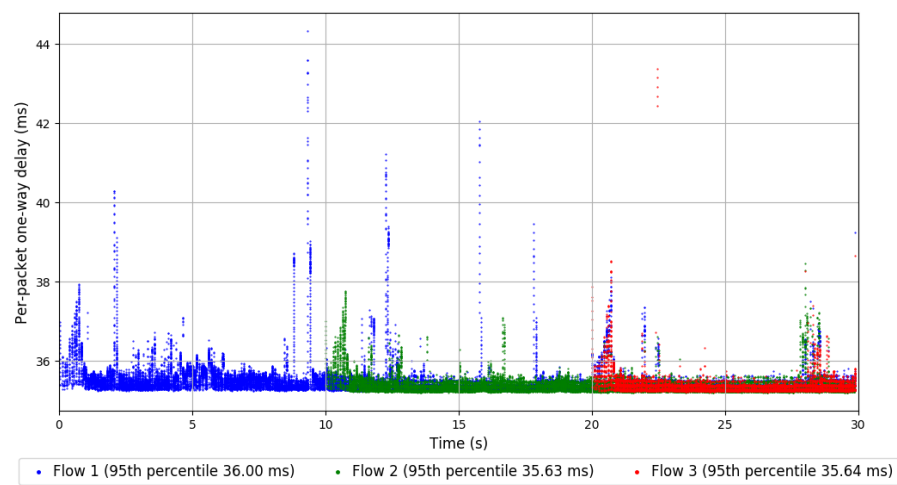
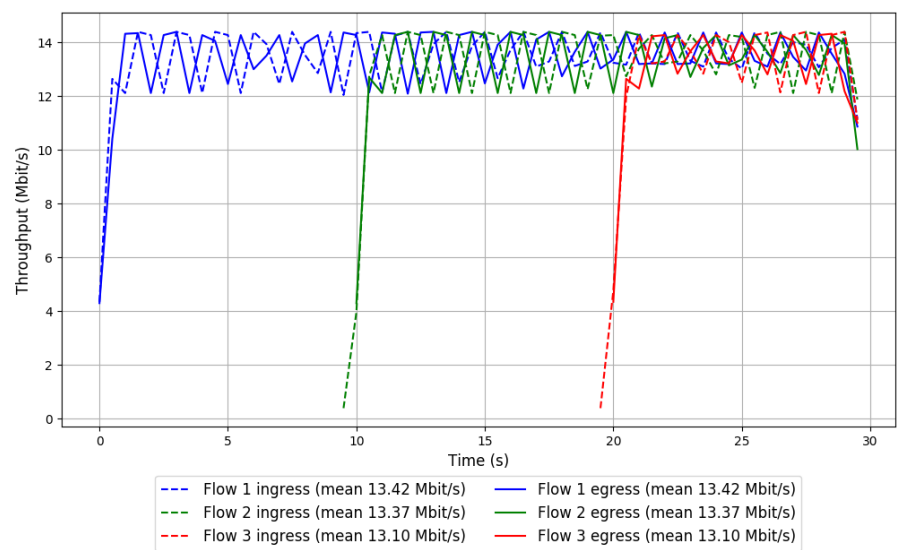
-- Flow 3:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 35.639 ms

Loss rate: 0.91%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-08-11 07:26:58

End at: 2017-08-11 07:27:28

Local clock offset: 0.38 ms

Remote clock offset: 2.656 ms

Below is generated by plot.py at 2017-08-11 13:08:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.83 Mbit/s

95th percentile per-packet one-way delay: 35.545 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 35.489 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 35.153 ms

Loss rate: 0.44%

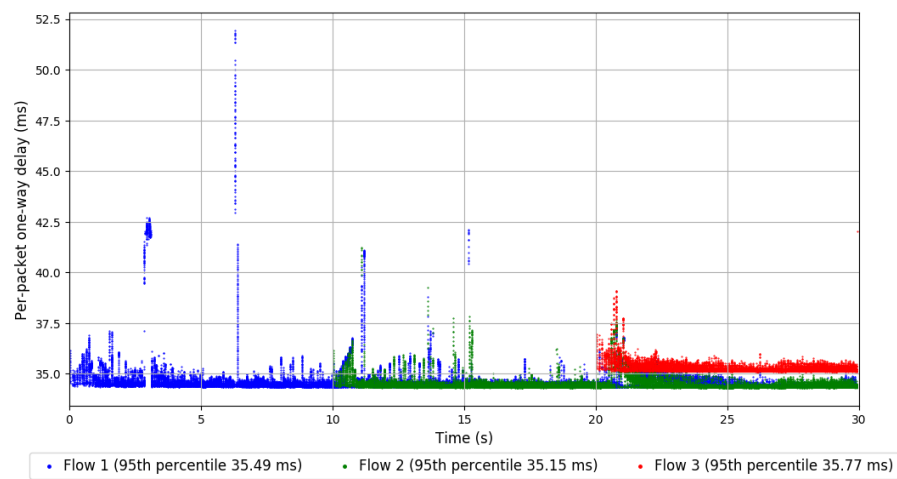
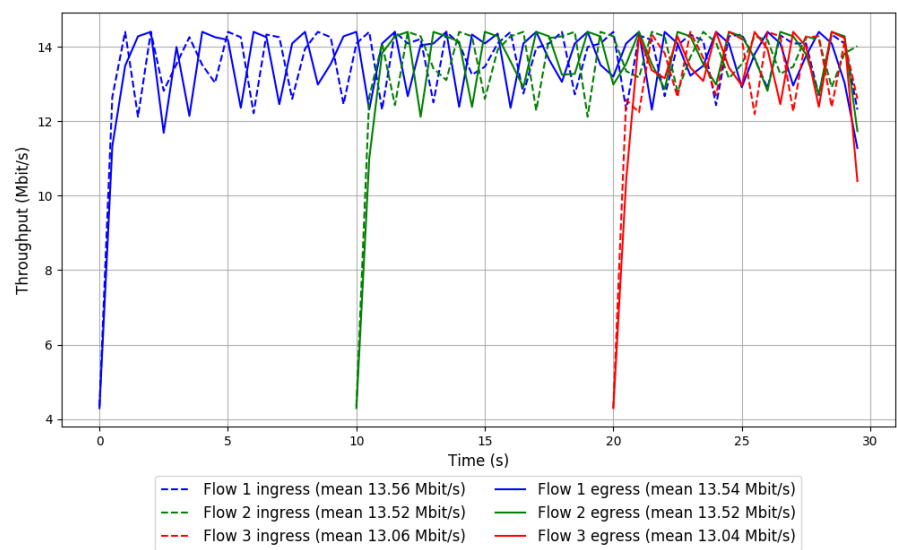
-- Flow 3:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 35.771 ms

Loss rate: 0.91%

Run 6: Report of KohoCC — Data Link

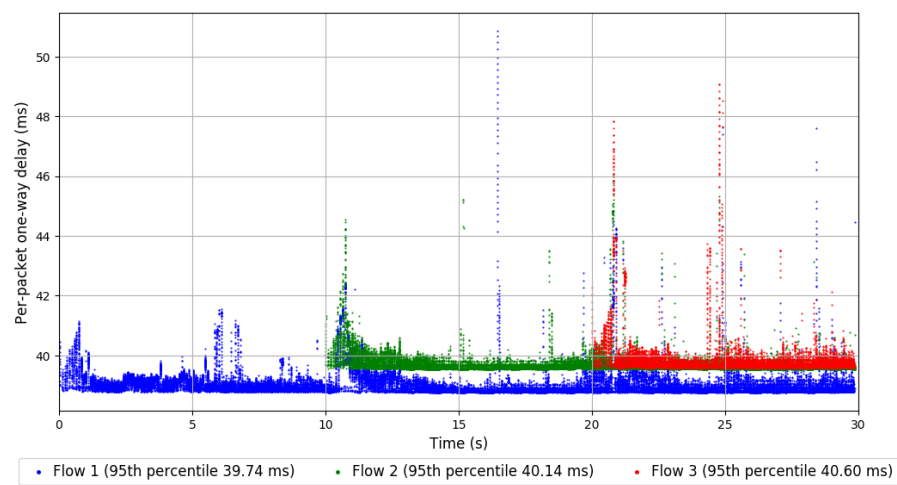
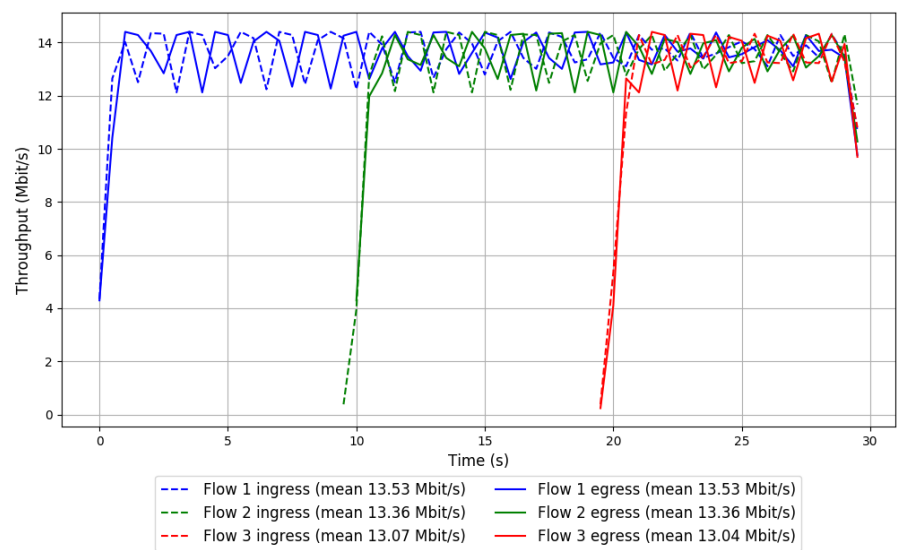


Run 7: Statistics of KohoCC

Start at: 2017-08-11 07:48:05
End at: 2017-08-11 07:48:35
Local clock offset: 0.48 ms
Remote clock offset: -1.741 ms

Below is generated by plot.py at 2017-08-11 13:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 40.120 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 39.743 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 40.144 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 40.596 ms
Loss rate: 0.89%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: 2017-08-11 08:09:12

End at: 2017-08-11 08:09:42

Local clock offset: 0.344 ms

Remote clock offset: 0.613 ms

Below is generated by plot.py at 2017-08-11 13:08:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.61 Mbit/s

95th percentile per-packet one-way delay: 37.652 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 13.44 Mbit/s

95th percentile per-packet one-way delay: 37.461 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 37.655 ms

Loss rate: 0.45%

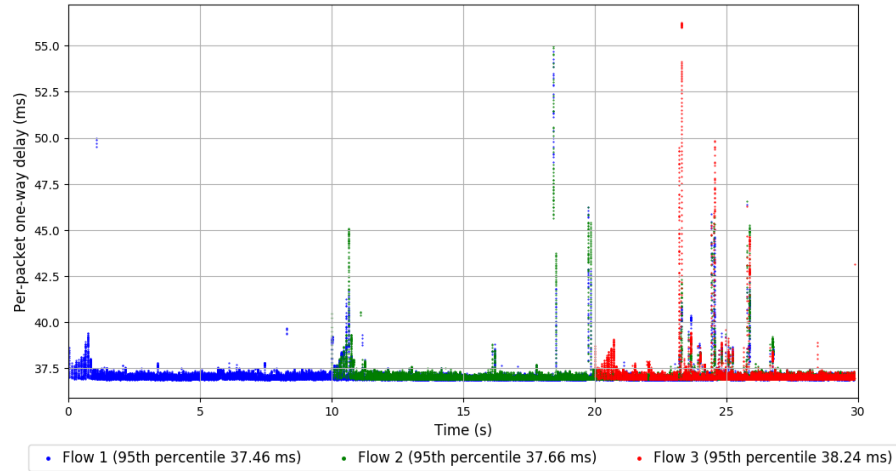
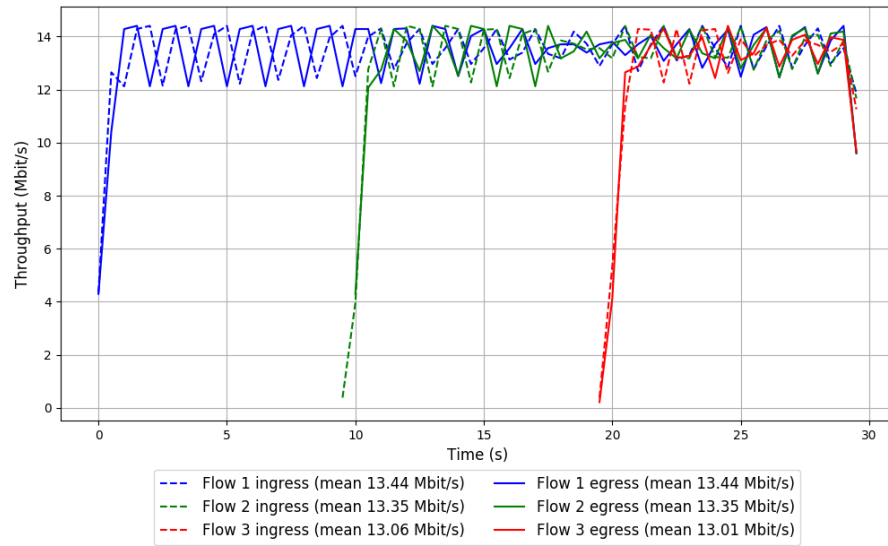
-- Flow 3:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 38.239 ms

Loss rate: 0.91%

Run 8: Report of KohoCC — Data Link

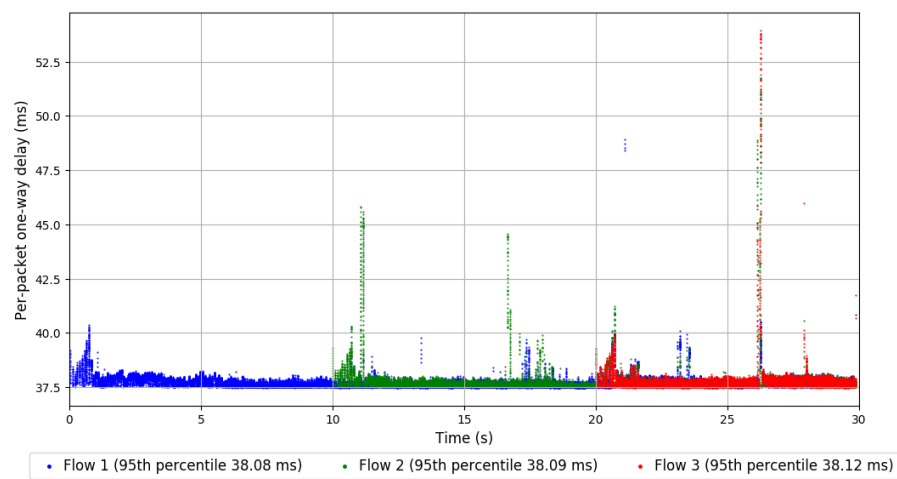
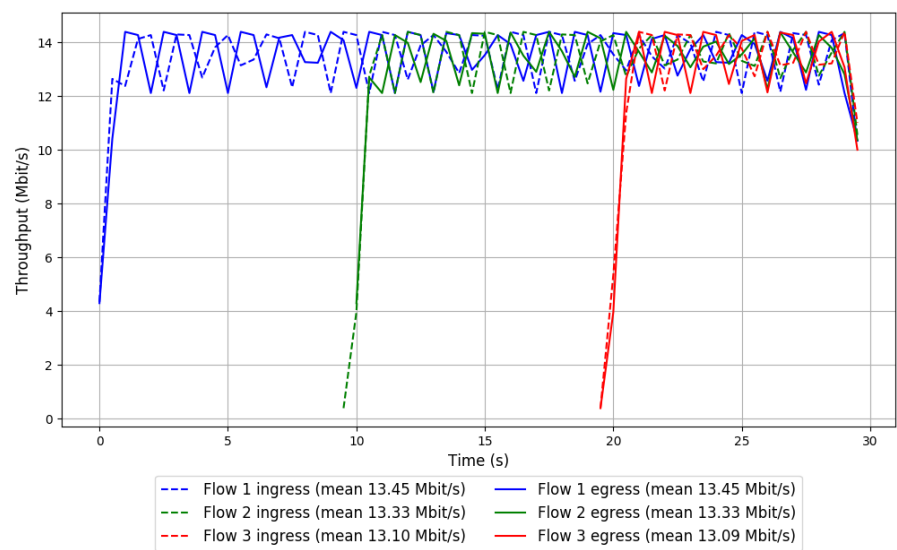


Run 9: Statistics of KohoCC

Start at: 2017-08-11 08:30:17
End at: 2017-08-11 08:30:47
Local clock offset: 0.306 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2017-08-11 13:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 38.086 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 38.078 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 38.094 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 38.115 ms
Loss rate: 0.89%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-08-11 08:51:18

End at: 2017-08-11 08:51:48

Local clock offset: 0.24 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2017-08-11 13:08:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.74 Mbit/s

95th percentile per-packet one-way delay: 37.818 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 13.47 Mbit/s

95th percentile per-packet one-way delay: 37.837 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 13.47 Mbit/s

95th percentile per-packet one-way delay: 37.267 ms

Loss rate: 0.45%

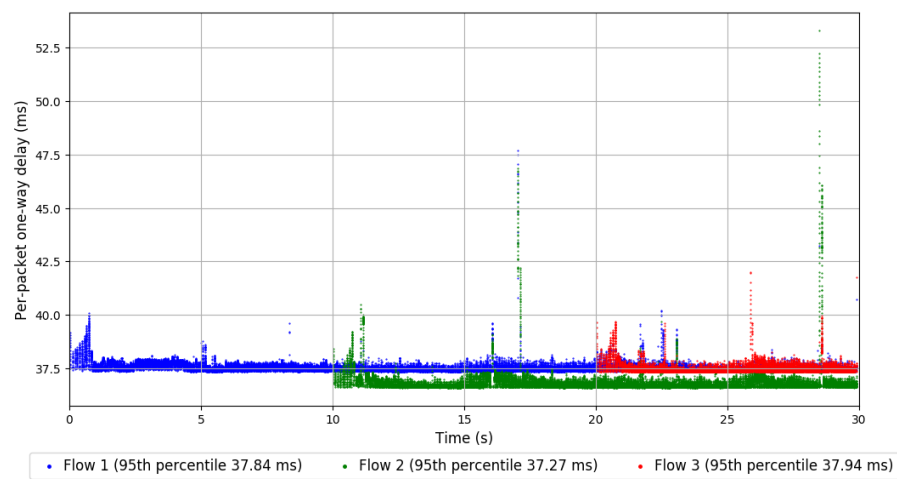
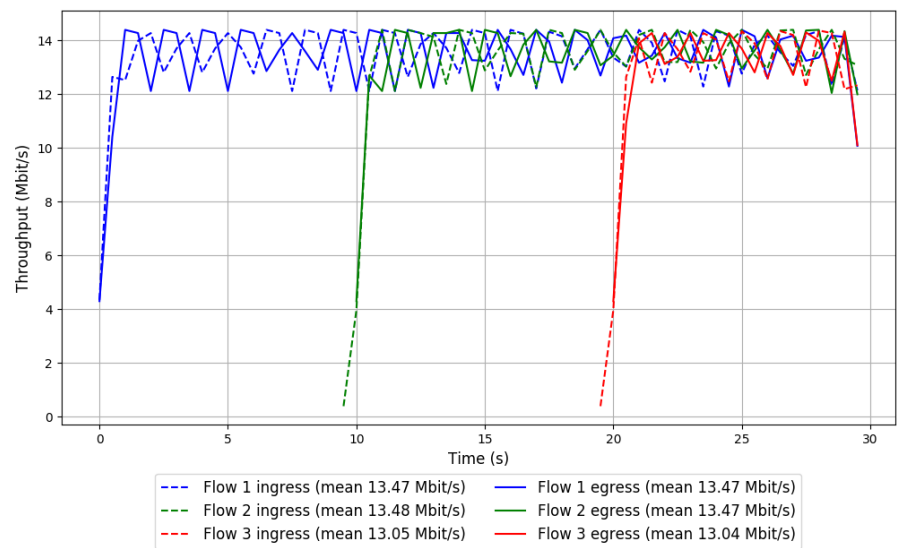
-- Flow 3:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 37.936 ms

Loss rate: 0.91%

Run 10: Report of KohoCC — Data Link

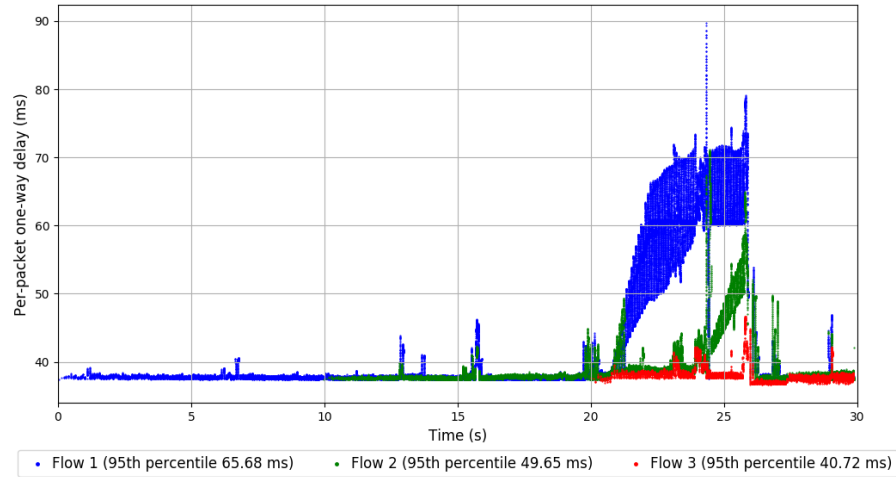
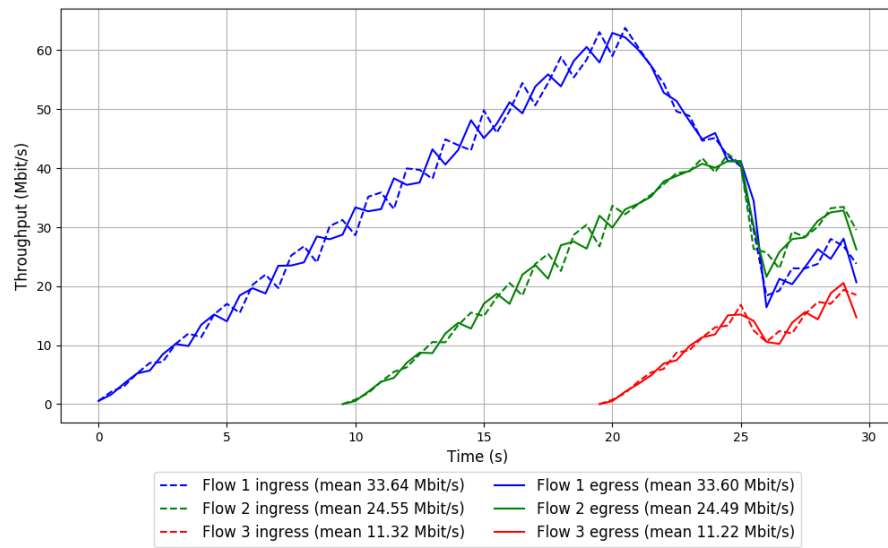


```
Run 1: Statistics of LEDBAT

Start at: 2017-08-11 05:43:10
End at: 2017-08-11 05:43:40
Local clock offset: 0.872 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at 2017-08-11 13:08:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 62.717 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 65.682 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 49.651 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 40.715 ms
Loss rate: 1.70%
```

Run 1: Report of LEDBAT — Data Link

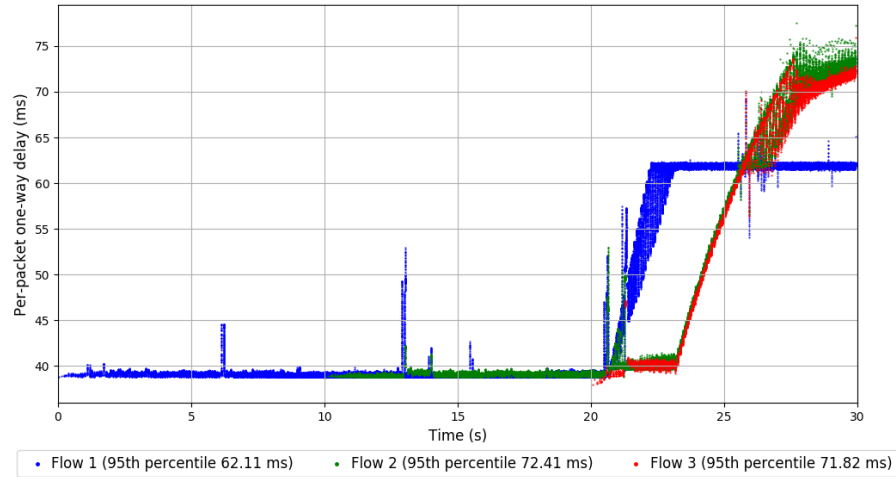
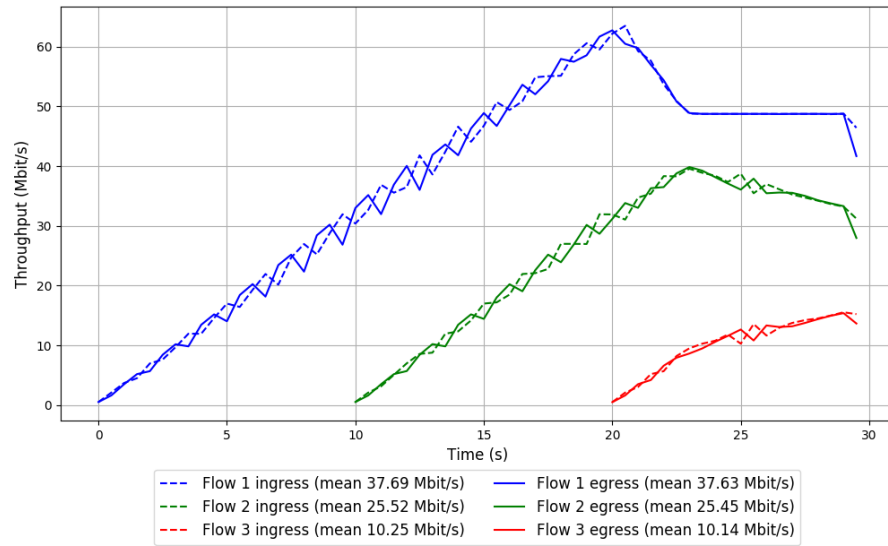


Run 2: Statistics of LEDBAT

Start at: 2017-08-11 06:04:25
End at: 2017-08-11 06:04:55
Local clock offset: 0.8 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2017-08-11 13:09:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 70.993 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 72.414 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 71.818 ms
Loss rate: 1.91%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-08-11 06:25:29

End at: 2017-08-11 06:25:59

Local clock offset: 9.583 ms

Remote clock offset: 2.557 ms

Below is generated by plot.py at 2017-08-11 13:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.17 Mbit/s

95th percentile per-packet one-way delay: 74.269 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 36.87 Mbit/s

95th percentile per-packet one-way delay: 73.928 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 76.806 ms

Loss rate: 0.31%

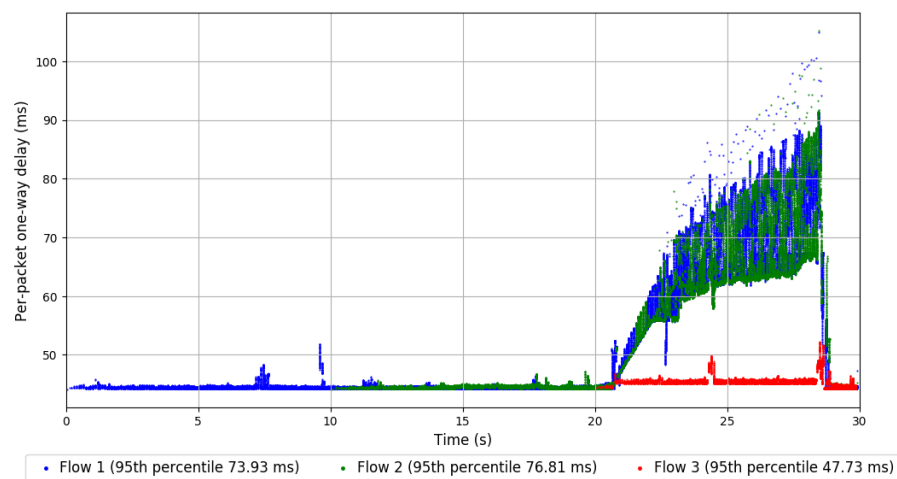
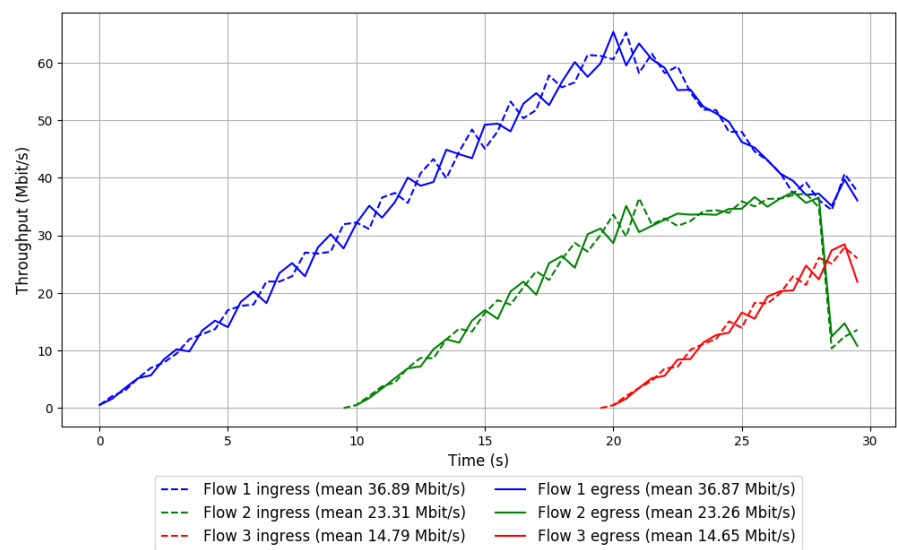
-- Flow 3:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 47.734 ms

Loss rate: 1.81%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-08-11 06:46:21

End at: 2017-08-11 06:46:51

Local clock offset: 0.477 ms

Remote clock offset: 2.6 ms

Below is generated by plot.py at 2017-08-11 13:09:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.42 Mbit/s

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

Loss rate: 0.55%

-- Flow 1:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 36.542 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 16.30 Mbit/s

95th percentile per-packet one-way delay: 37.809 ms

Loss rate: 0.41%

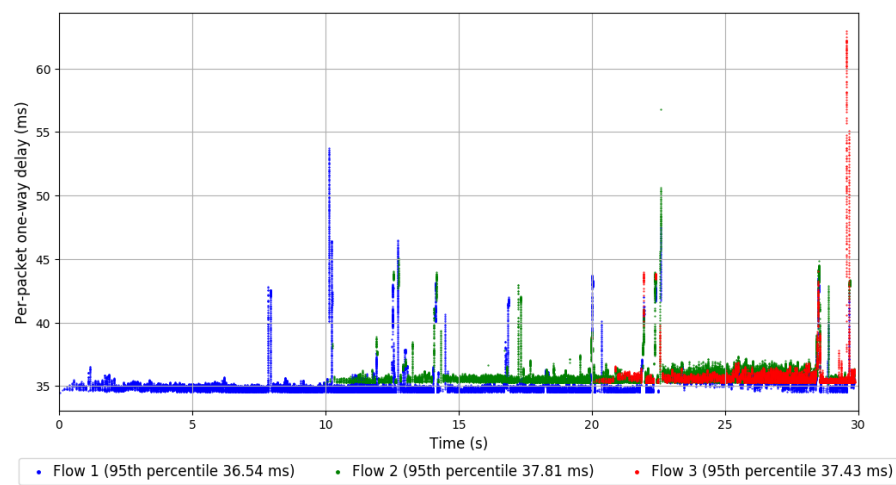
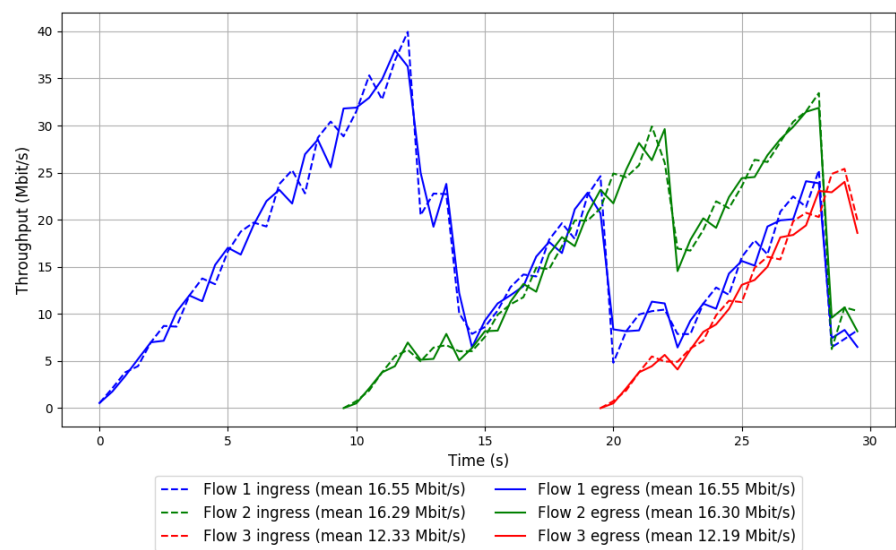
-- Flow 3:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 37.433 ms

Loss rate: 2.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-08-11 07:07:19

End at: 2017-08-11 07:07:49

Local clock offset: 0.366 ms

Remote clock offset: 2.738 ms

Below is generated by plot.py at 2017-08-11 13:09:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.37 Mbit/s

95th percentile per-packet one-way delay: 68.309 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 35.72 Mbit/s

95th percentile per-packet one-way delay: 67.960 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 26.76 Mbit/s

95th percentile per-packet one-way delay: 69.359 ms

Loss rate: 0.76%

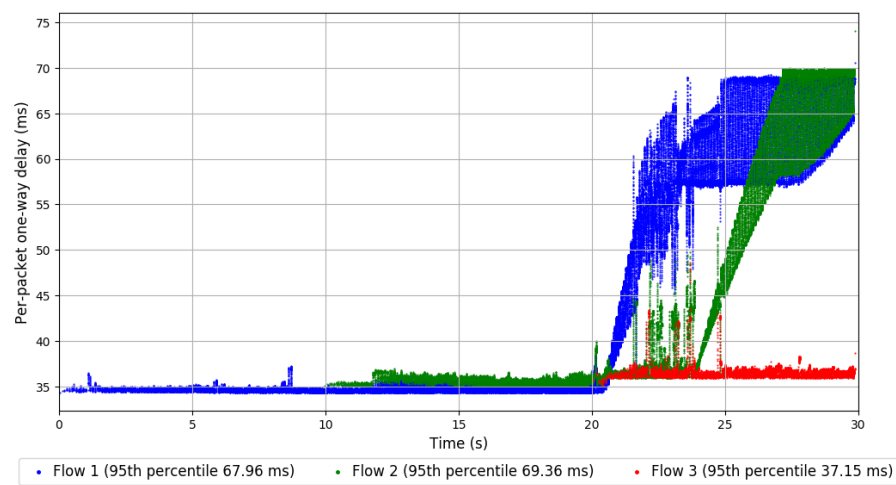
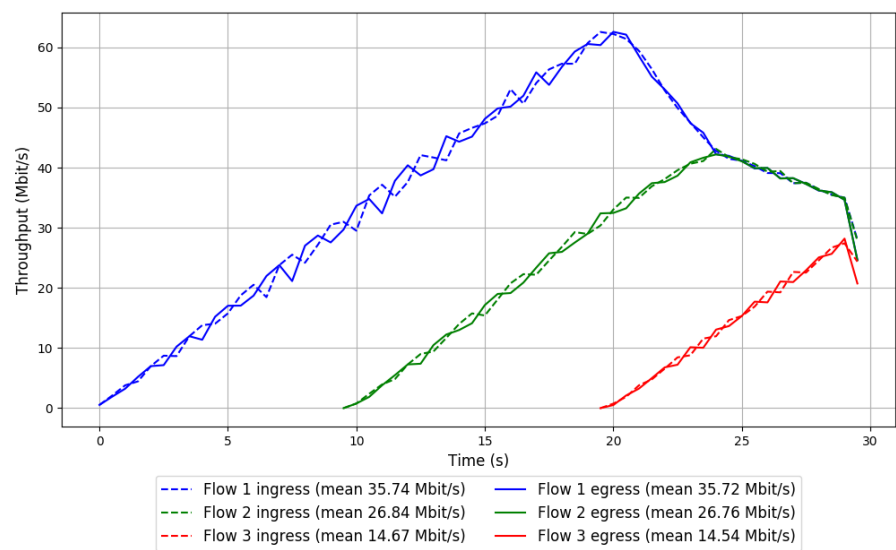
-- Flow 3:

Average throughput: 14.54 Mbit/s

95th percentile per-packet one-way delay: 37.153 ms

Loss rate: 1.81%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-08-11 07:28:20

End at: 2017-08-11 07:28:50

Local clock offset: 0.407 ms

Remote clock offset: 2.65 ms

Below is generated by plot.py at 2017-08-11 13:09:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.57 Mbit/s

95th percentile per-packet one-way delay: 66.215 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 65.488 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 68.012 ms

Loss rate: 0.90%

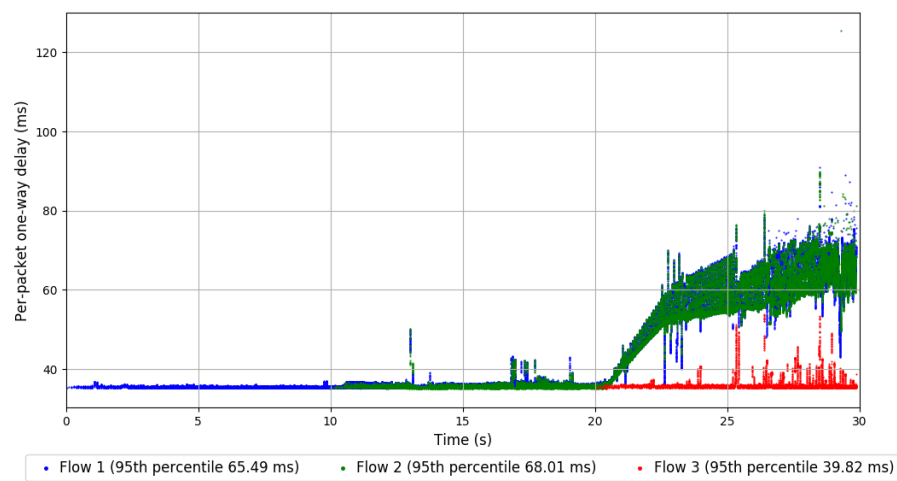
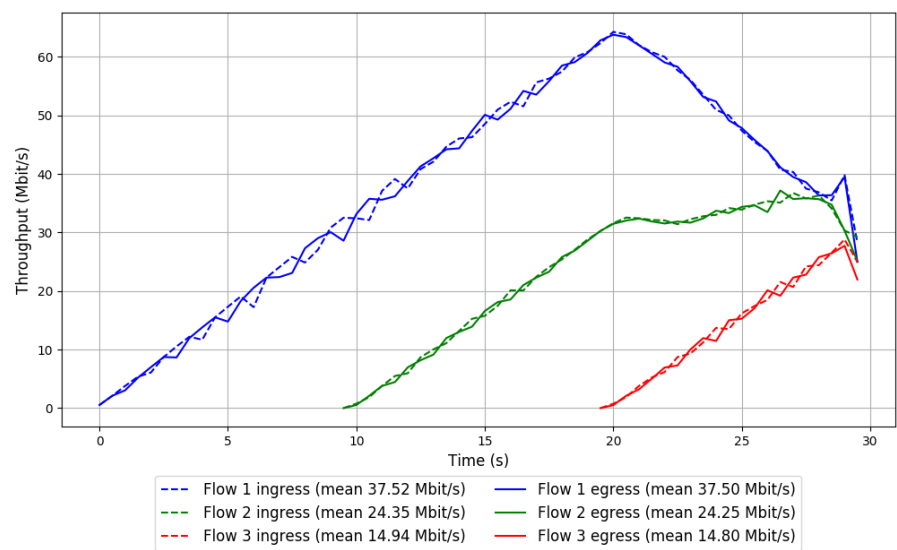
-- Flow 3:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 39.822 ms

Loss rate: 1.79%

Run 6: Report of LEDBAT — Data Link

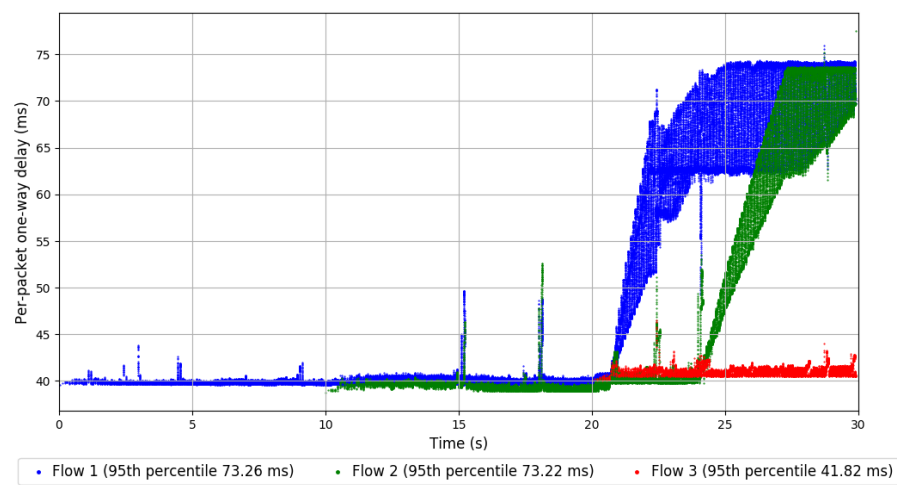
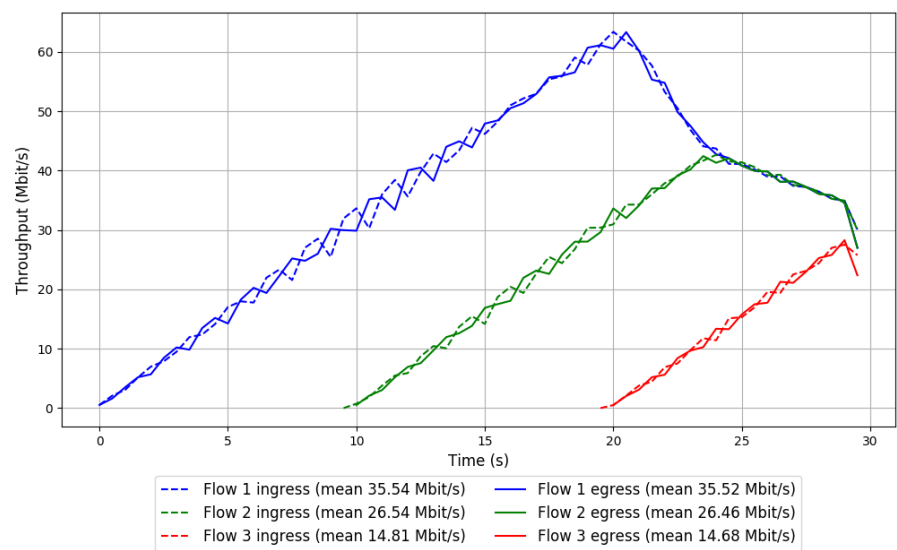


Run 7: Statistics of LEDBAT

Start at: 2017-08-11 07:49:27
End at: 2017-08-11 07:49:57
Local clock offset: 0.49 ms
Remote clock offset: -1.771 ms

Below is generated by plot.py at 2017-08-11 13:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 73.135 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 73.263 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 73.220 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 41.819 ms
Loss rate: 1.80%

Run 7: Report of LEDBAT — Data Link

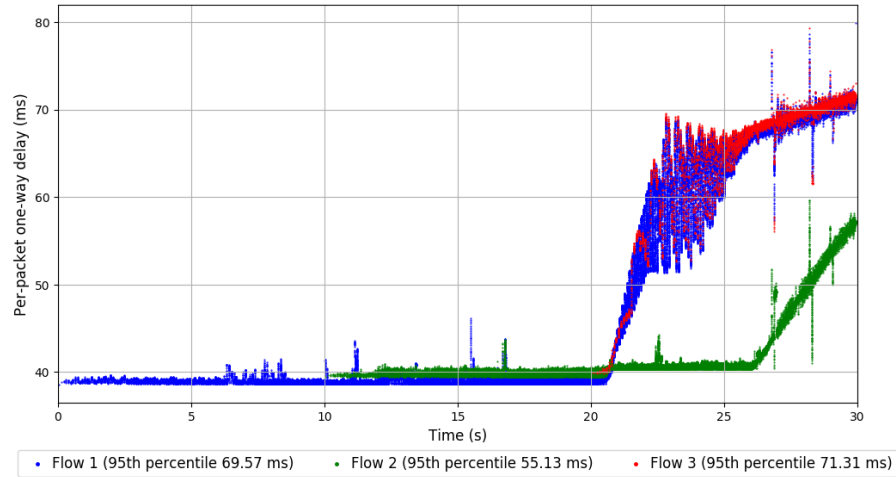
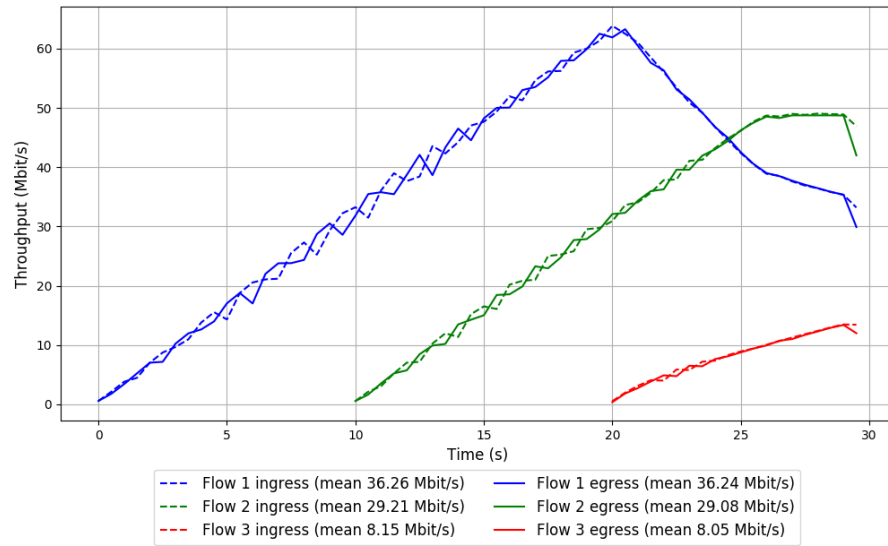


Run 8: Statistics of LEDBAT

Start at: 2017-08-11 08:10:33
End at: 2017-08-11 08:11:03
Local clock offset: 0.327 ms
Remote clock offset: -1.921 ms

Below is generated by plot.py at 2017-08-11 13:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 69.461 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 69.569 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 55.126 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 71.311 ms
Loss rate: 2.08%

Run 8: Report of LEDBAT — Data Link

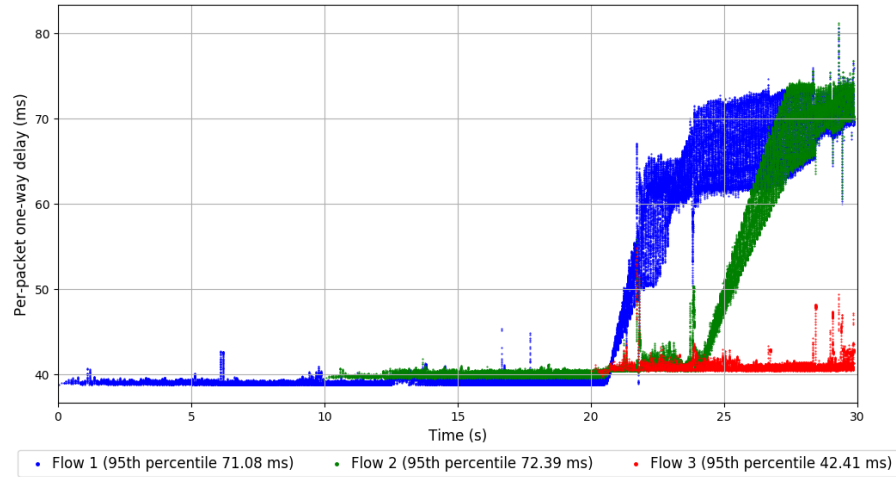
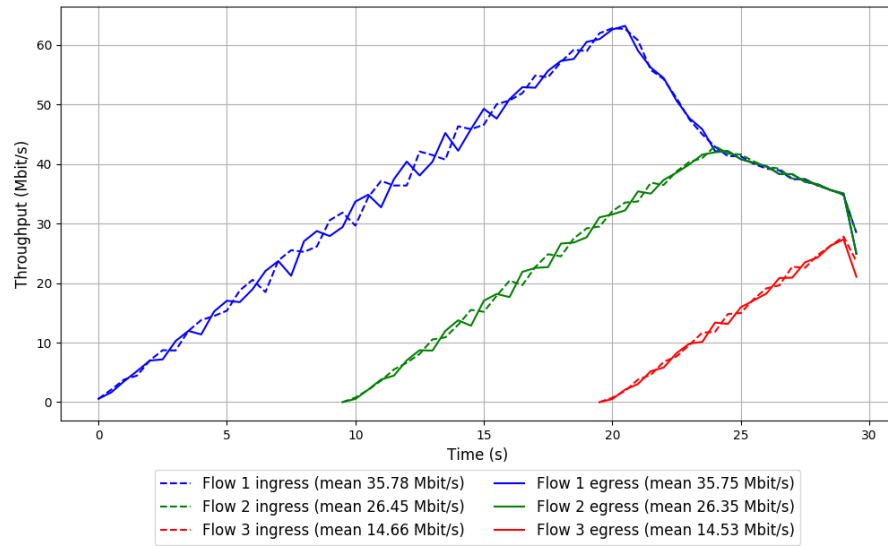


Run 9: Statistics of LEDBAT

Start at: 2017-08-11 08:31:38
End at: 2017-08-11 08:32:08
Local clock offset: 0.327 ms
Remote clock offset: -2.039 ms

Below is generated by plot.py at 2017-08-11 13:09:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 71.384 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 71.084 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 72.385 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 42.411 ms
Loss rate: 1.77%

Run 9: Report of LEDBAT — Data Link

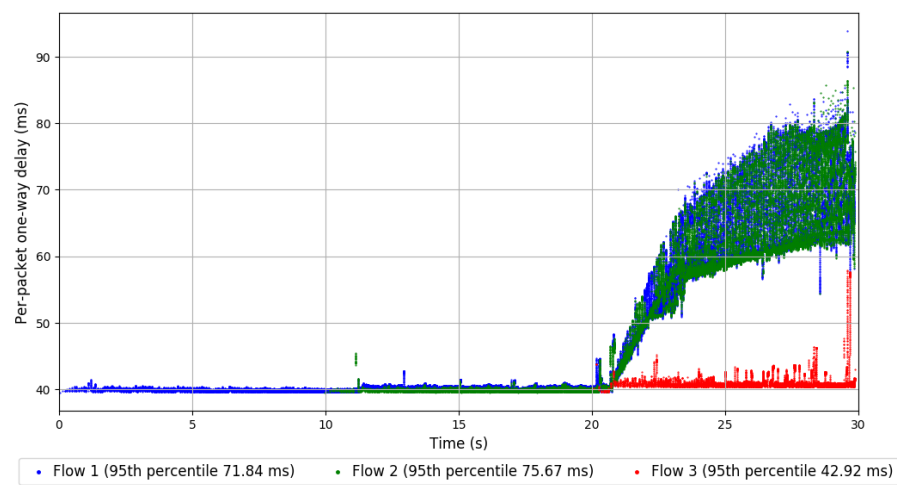
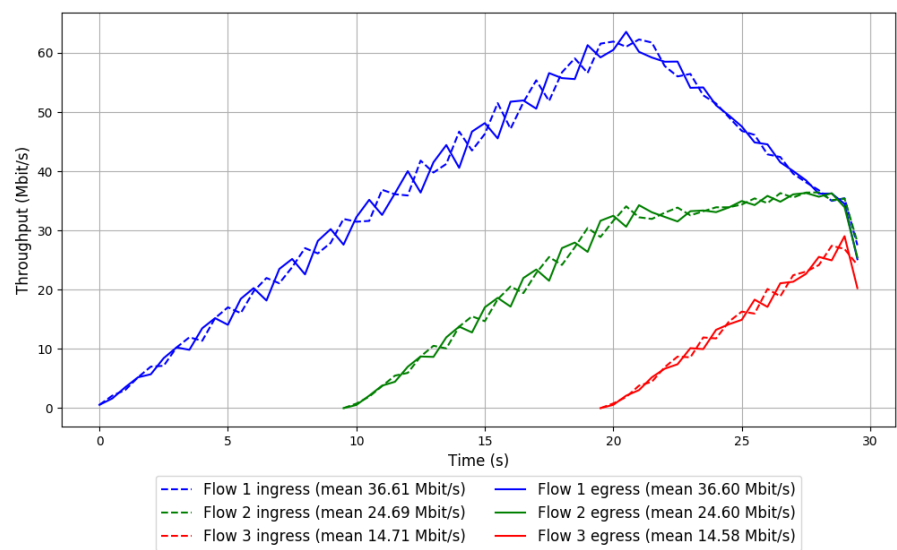


Run 10: Statistics of LEDBAT

Start at: 2017-08-11 08:52:39
End at: 2017-08-11 08:53:09
Local clock offset: 0.155 ms
Remote clock offset: -2.063 ms

Below is generated by plot.py at 2017-08-11 13:09:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 73.008 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 71.845 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 75.671 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 42.922 ms
Loss rate: 1.75%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2017-08-11 05:39:05

End at: 2017-08-11 05:39:35

Local clock offset: 0.934 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2017-08-11 13:09:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 71.927 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 59.93 Mbit/s

95th percentile per-packet one-way delay: 61.415 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.55 Mbit/s

95th percentile per-packet one-way delay: 75.761 ms

Loss rate: 0.52%

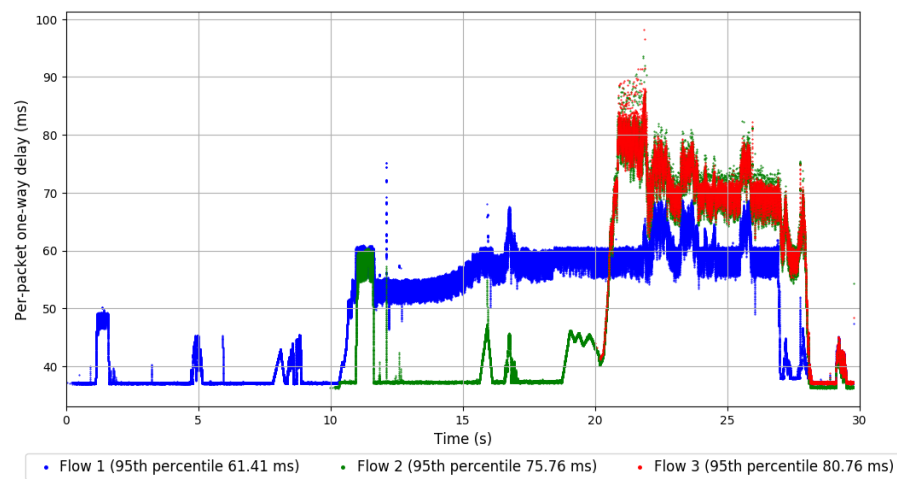
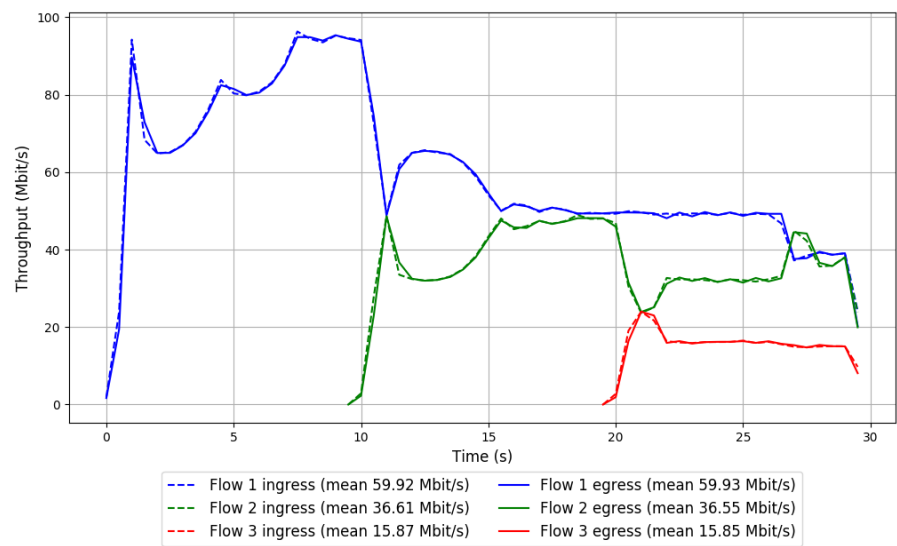
-- Flow 3:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 80.758 ms

Loss rate: 1.00%

Run 1: Report of PCC — Data Link

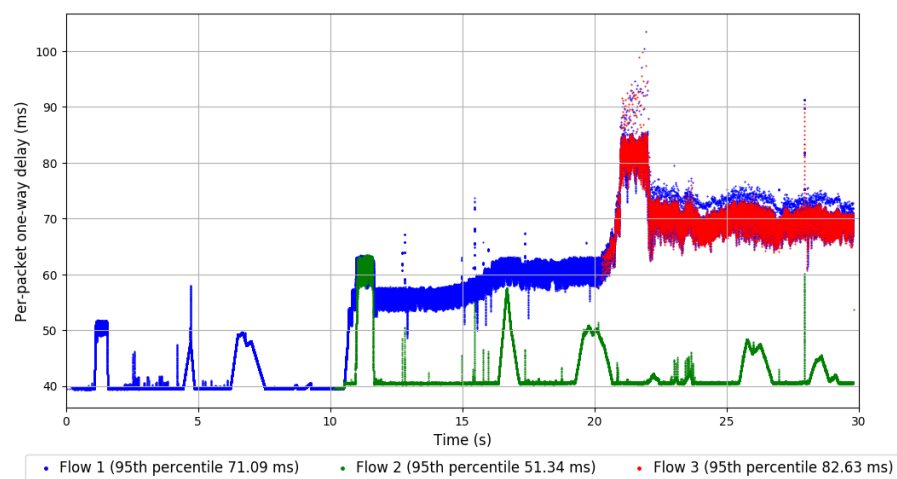
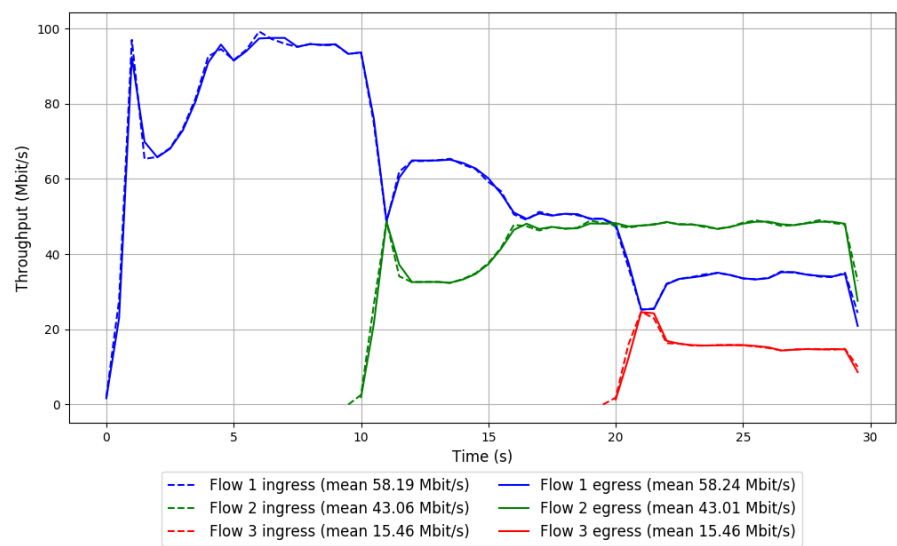


Run 2: Statistics of PCC

Start at: 2017-08-11 06:00:19
End at: 2017-08-11 06:00:49
Local clock offset: 0.864 ms
Remote clock offset: -2.198 ms

Below is generated by plot.py at 2017-08-11 13:09:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 71.045 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 71.091 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 82.629 ms
Loss rate: 1.15%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-08-11 06:21:24

End at: 2017-08-11 06:21:54

Local clock offset: 9.515 ms

Remote clock offset: 2.429 ms

Below is generated by plot.py at 2017-08-11 13:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 69.320 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 70.85 Mbit/s

95th percentile per-packet one-way delay: 69.311 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 71.337 ms

Loss rate: 0.79%

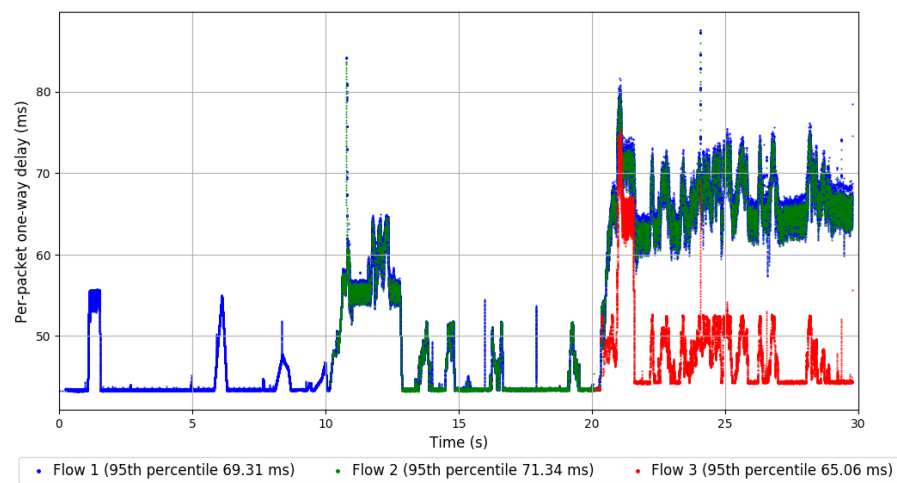
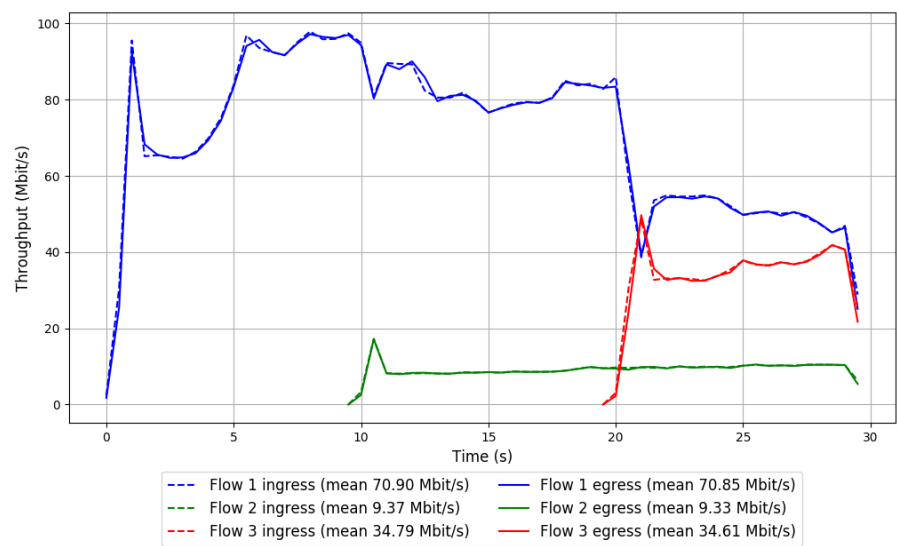
-- Flow 3:

Average throughput: 34.61 Mbit/s

95th percentile per-packet one-way delay: 65.057 ms

Loss rate: 1.30%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-08-11 06:42:17

End at: 2017-08-11 06:42:47

Local clock offset: 0.392 ms

Remote clock offset: 2.64 ms

Below is generated by plot.py at 2017-08-11 13:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 66.872 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 67.161 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 46.701 ms

Loss rate: 0.47%

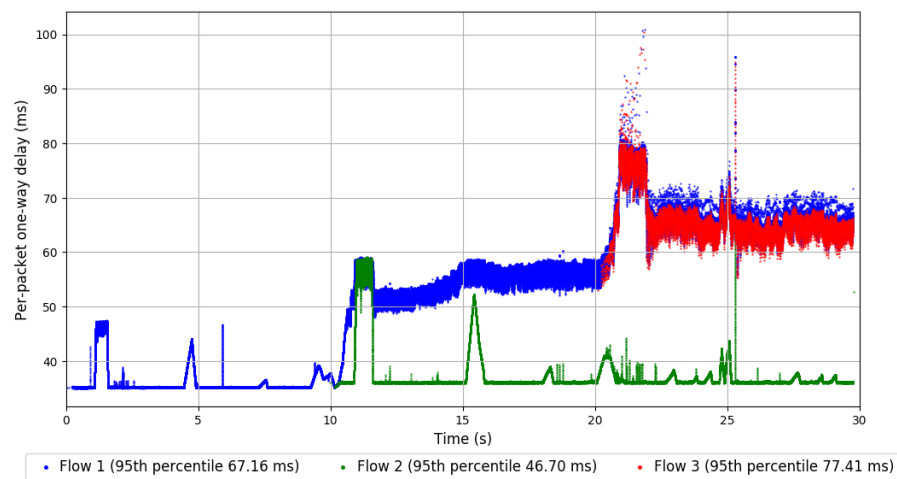
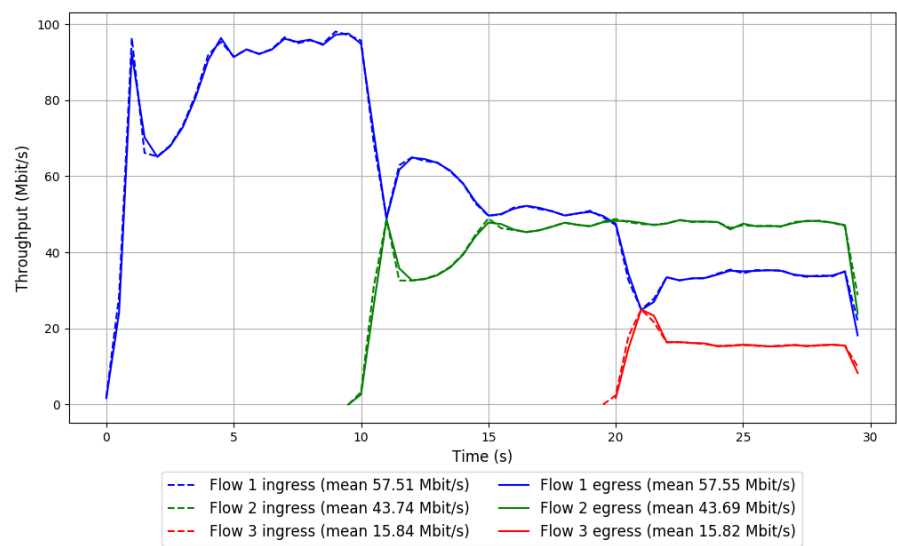
-- Flow 3:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 77.412 ms

Loss rate: 1.18%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-08-11 07:03:14

End at: 2017-08-11 07:03:44

Local clock offset: 0.467 ms

Remote clock offset: 2.729 ms

Below is generated by plot.py at 2017-08-11 13:10:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.56 Mbit/s

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

Loss rate: 0.39%

-- Flow 1:

Average throughput: 57.37 Mbit/s

95th percentile per-packet one-way delay: 67.555 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 69.621 ms

Loss rate: 0.57%

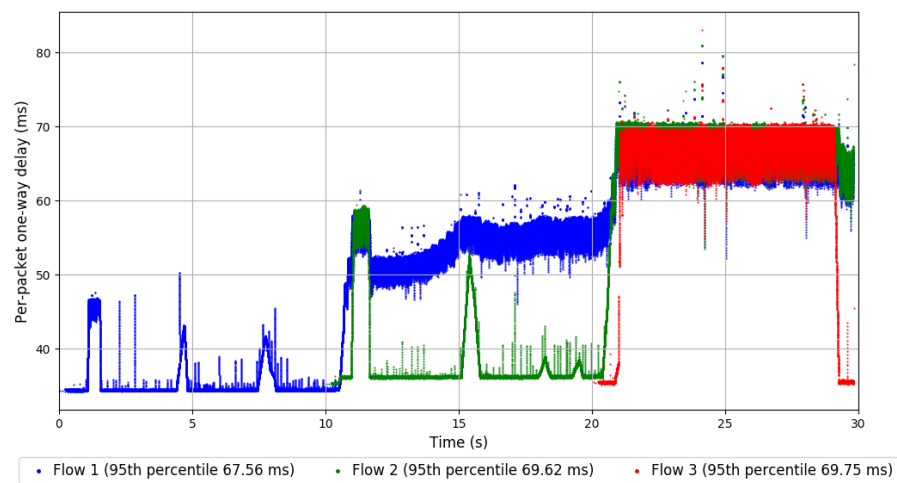
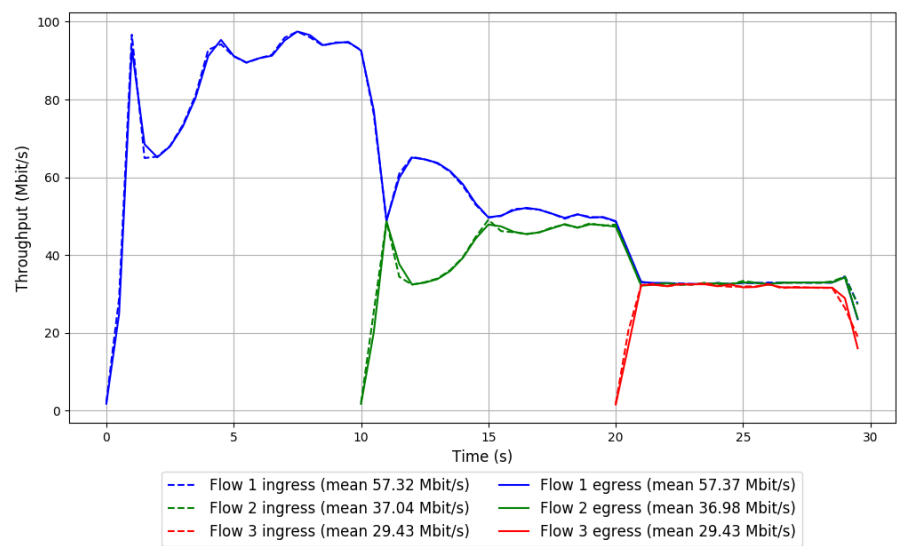
-- Flow 3:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 69.748 ms

Loss rate: 0.81%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-08-11 07:24:15

End at: 2017-08-11 07:24:45

Local clock offset: 0.404 ms

Remote clock offset: 2.677 ms

Below is generated by plot.py at 2017-08-11 13:10:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 66.984 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 67.290 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 43.326 ms

Loss rate: 0.50%

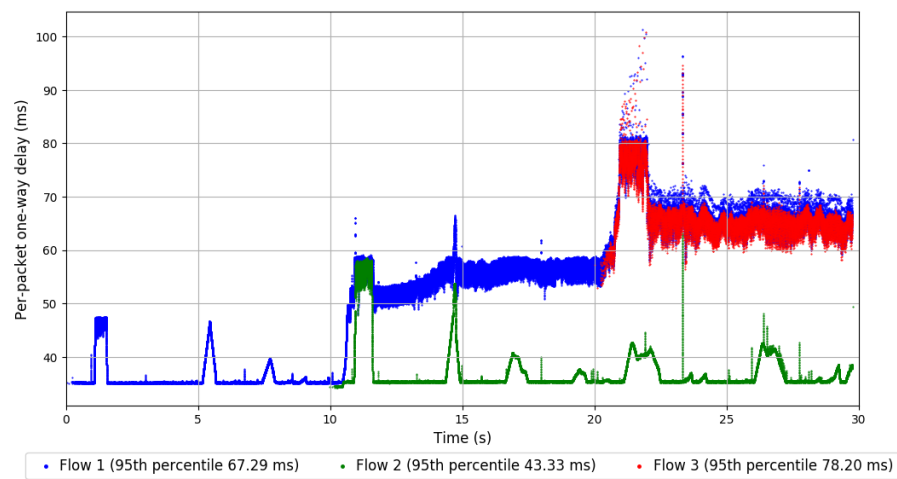
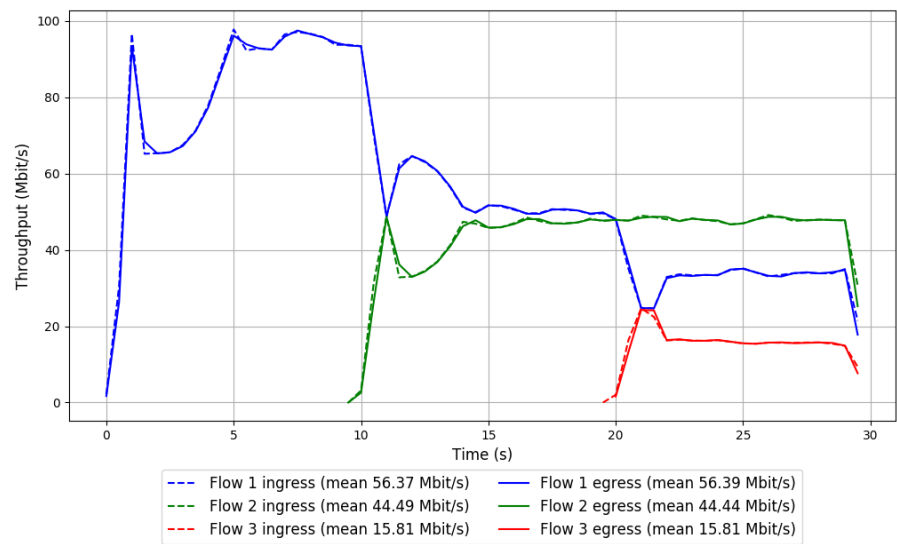
-- Flow 3:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 78.196 ms

Loss rate: 1.14%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-08-11 07:45:21

End at: 2017-08-11 07:45:51

Local clock offset: 0.379 ms

Remote clock offset: 2.577 ms

Below is generated by plot.py at 2017-08-11 13:10:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.26 Mbit/s

95th percentile per-packet one-way delay: 69.296 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 68.453 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 68.969 ms

Loss rate: 0.54%

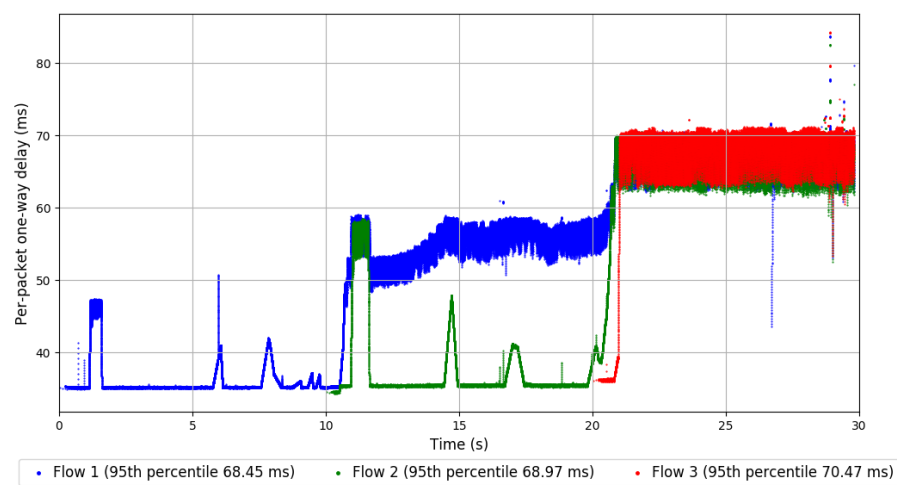
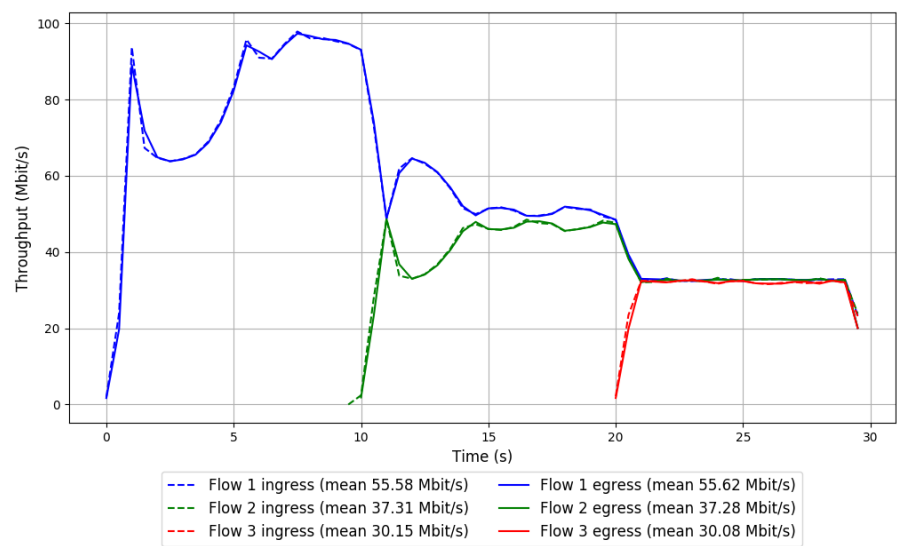
-- Flow 3:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 70.472 ms

Loss rate: 1.26%

Run 7: Report of PCC — Data Link

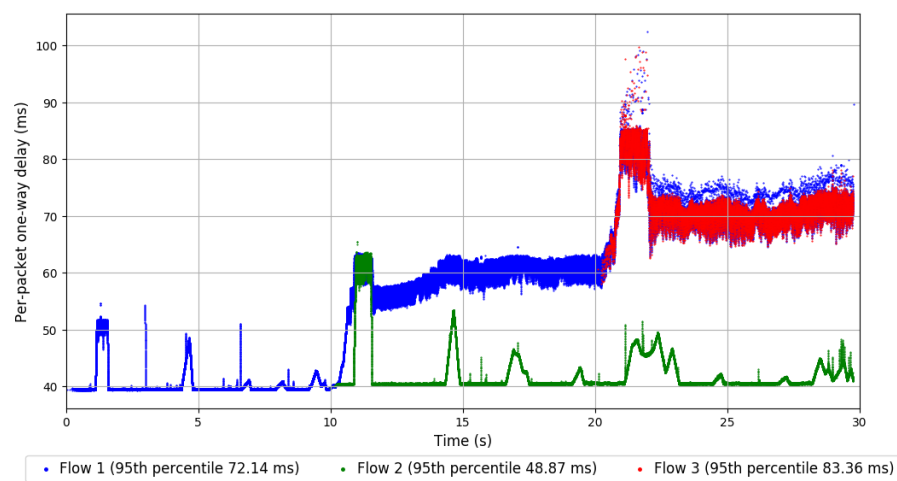
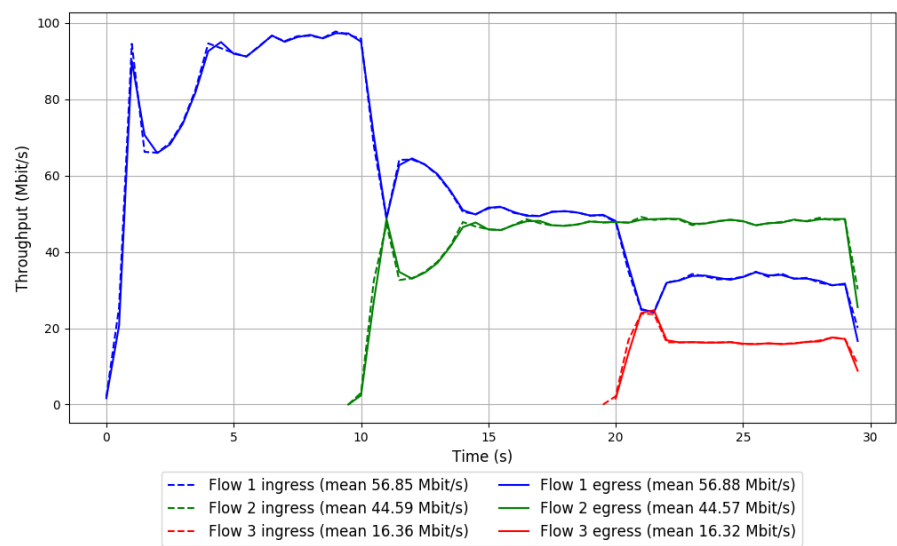


Run 8: Statistics of PCC

Start at: 2017-08-11 08:06:28
End at: 2017-08-11 08:06:58
Local clock offset: 0.366 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2017-08-11 13:10:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 72.104 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 72.141 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 48.866 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 83.364 ms
Loss rate: 1.34%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-08-11 08:27:34

End at: 2017-08-11 08:28:04

Local clock offset: 0.244 ms

Remote clock offset: -2.02 ms

Below is generated by plot.py at 2017-08-11 13:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 81.847 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 81.231 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 83.298 ms

Loss rate: 0.52%

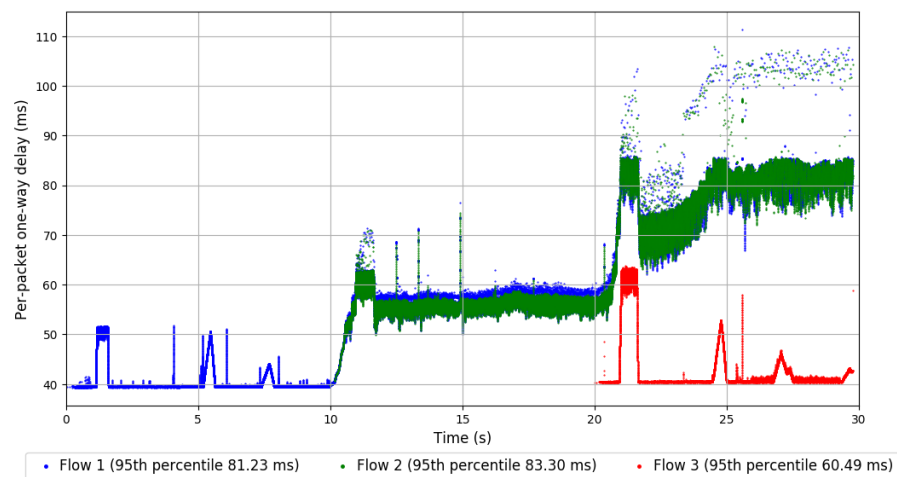
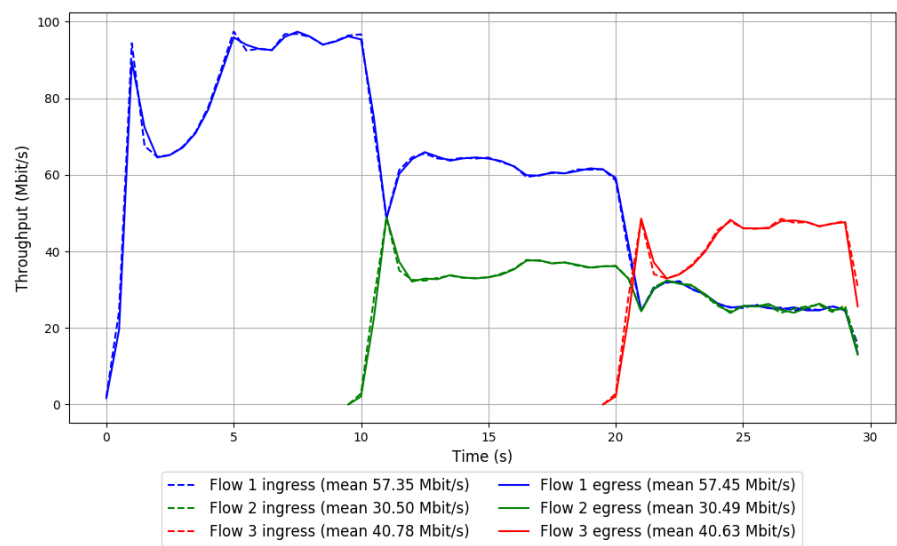
-- Flow 3:

Average throughput: 40.63 Mbit/s

95th percentile per-packet one-way delay: 60.495 ms

Loss rate: 1.15%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-08-11 08:48:35

End at: 2017-08-11 08:49:05

Local clock offset: 0.123 ms

Remote clock offset: -2.05 ms

Below is generated by plot.py at 2017-08-11 13:10:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 73.087 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 60.66 Mbit/s

95th percentile per-packet one-way delay: 62.278 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 37.40 Mbit/s

95th percentile per-packet one-way delay: 75.540 ms

Loss rate: 0.52%

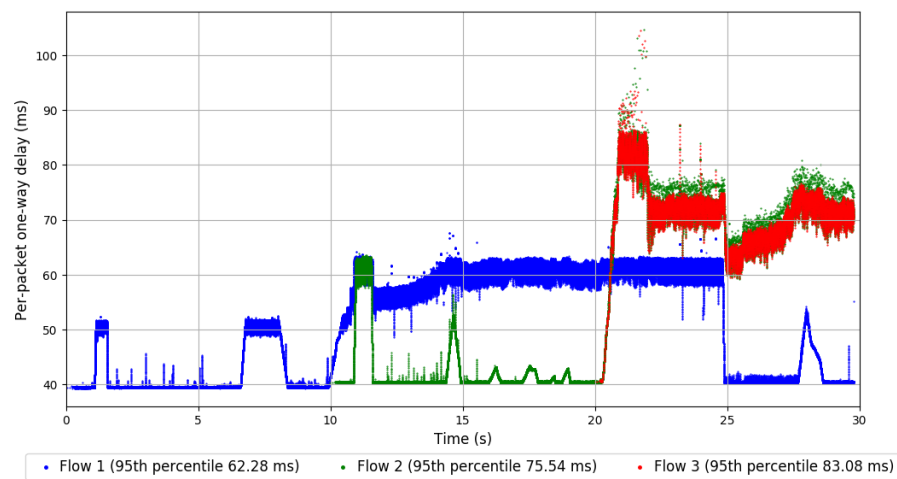
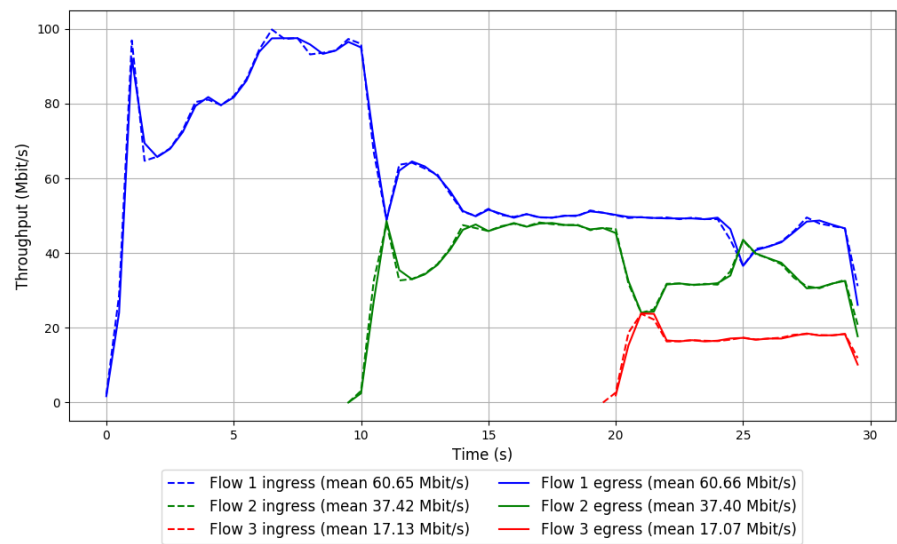
-- Flow 3:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 83.079 ms

Loss rate: 1.31%

Run 10: Report of PCC — Data Link

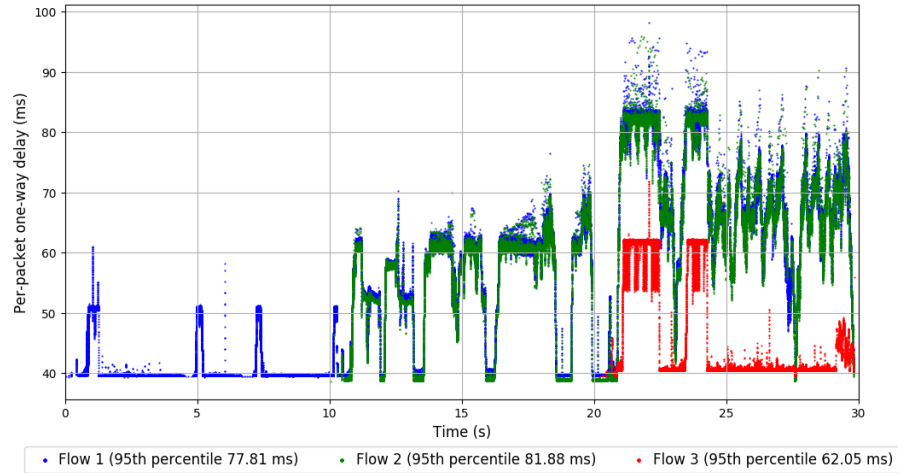
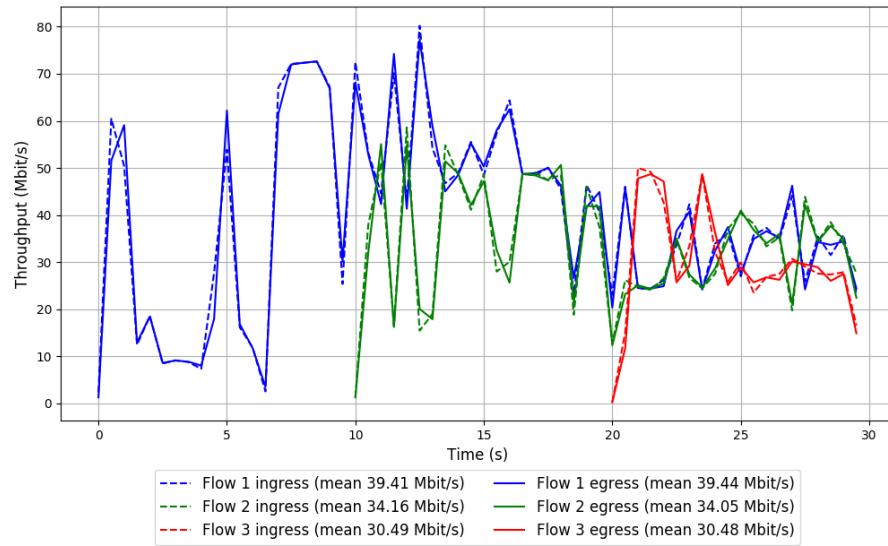


Run 1: Statistics of QUIC Cubic

Start at: 2017-08-11 05:48:47
End at: 2017-08-11 05:49:17
Local clock offset: 0.836 ms
Remote clock offset: -2.487 ms

Below is generated by plot.py at 2017-08-11 13:10:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.84 Mbit/s
95th percentile per-packet one-way delay: 78.714 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 77.807 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 81.878 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 62.046 ms
Loss rate: 0.83%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-08-11 06:10:03

End at: 2017-08-11 06:10:33

Local clock offset: 0.649 ms

Remote clock offset: 2.219 ms

Below is generated by plot.py at 2017-08-11 13:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.33 Mbit/s

95th percentile per-packet one-way delay: 77.918 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 78.333 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 57.637 ms

Loss rate: 0.26%

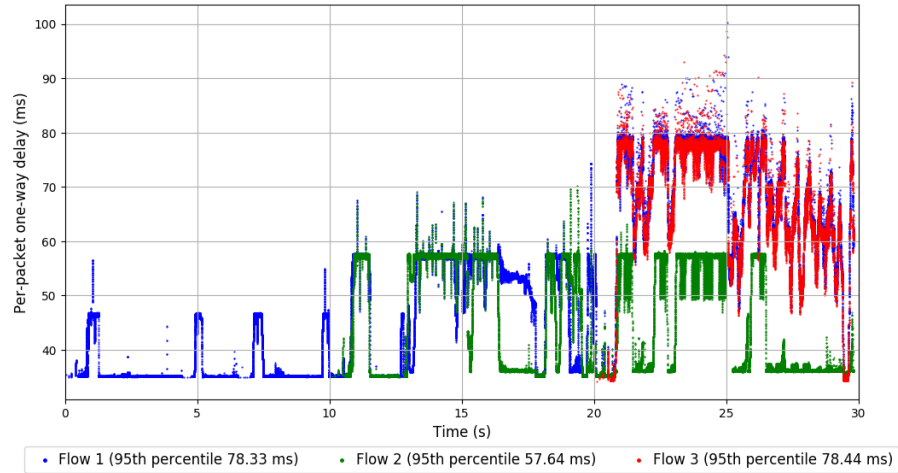
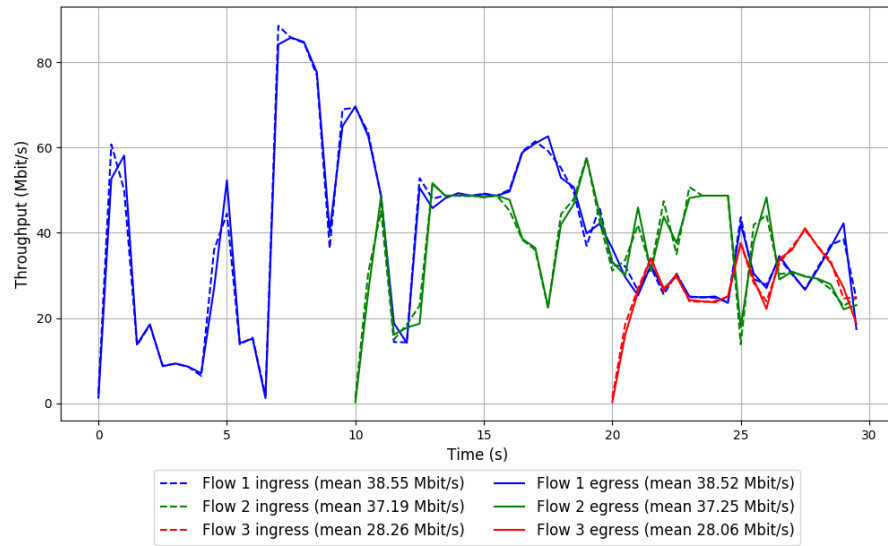
-- Flow 3:

Average throughput: 28.06 Mbit/s

95th percentile per-packet one-way delay: 78.445 ms

Loss rate: 1.52%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

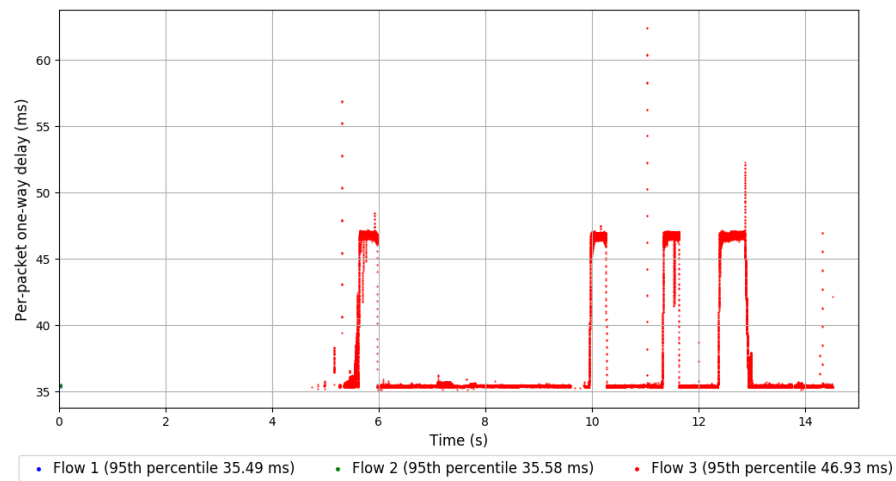
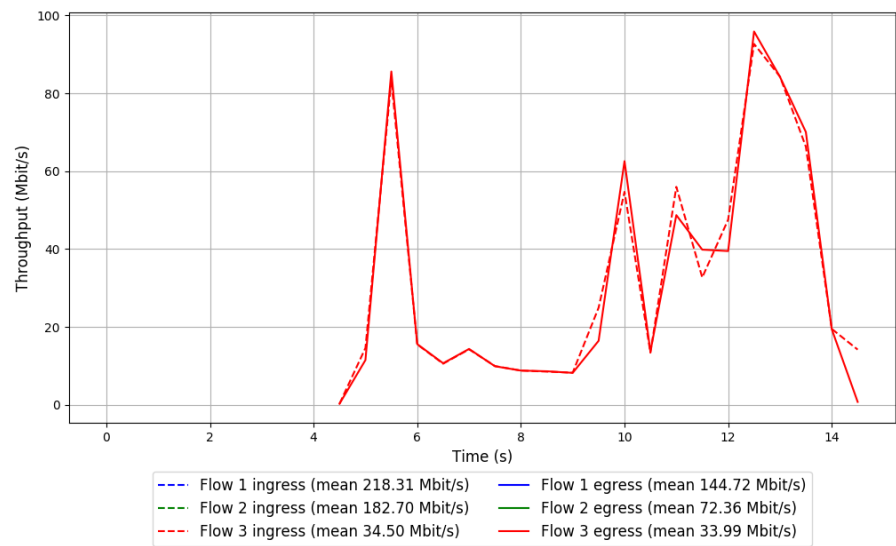
Start at: 2017-08-11 06:31:07

End at: 2017-08-11 06:31:37

Local clock offset: 0.606 ms

Remote clock offset: 2.586 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-08-11 06:51:55

End at: 2017-08-11 06:52:25

Local clock offset: 0.373 ms

Remote clock offset: 2.661 ms

Below is generated by plot.py at 2017-08-11 13:10:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 67.811 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 67.433 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 37.34 Mbit/s

95th percentile per-packet one-way delay: 67.659 ms

Loss rate: 0.52%

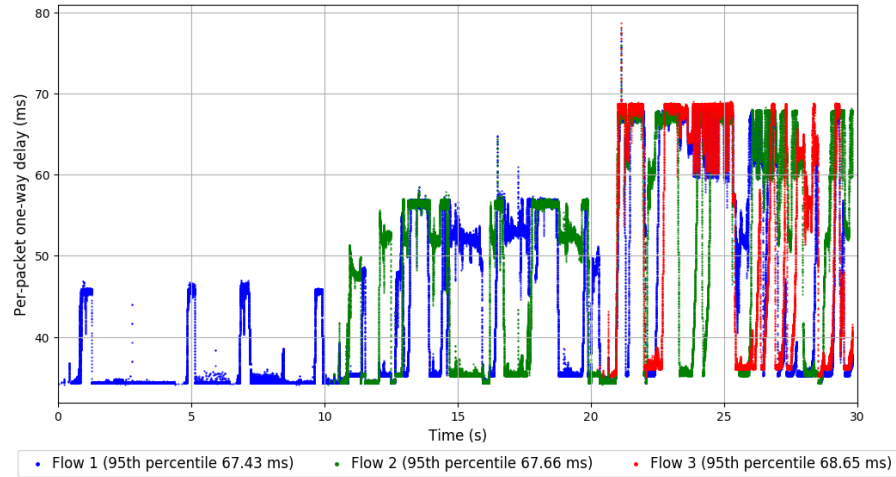
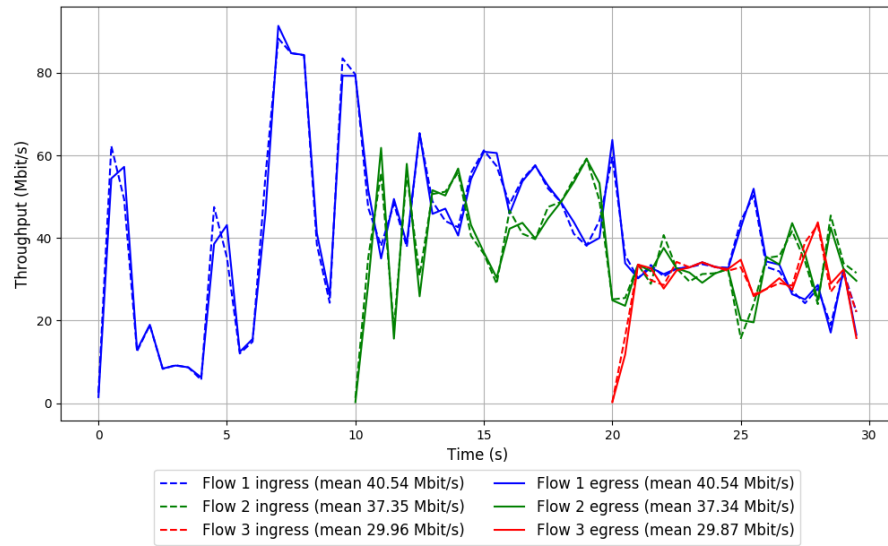
-- Flow 3:

Average throughput: 29.87 Mbit/s

95th percentile per-packet one-way delay: 68.652 ms

Loss rate: 1.35%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-08-11 07:12:58

End at: 2017-08-11 07:13:28

Local clock offset: 0.371 ms

Remote clock offset: 2.685 ms

Below is generated by plot.py at 2017-08-11 13:10:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 57.336 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 34.429 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.86 Mbit/s

95th percentile per-packet one-way delay: 57.445 ms

Loss rate: 0.26%

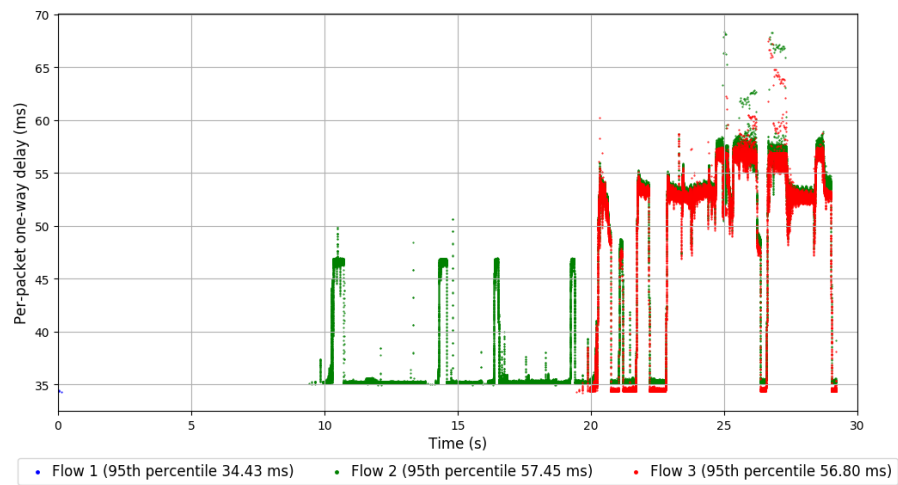
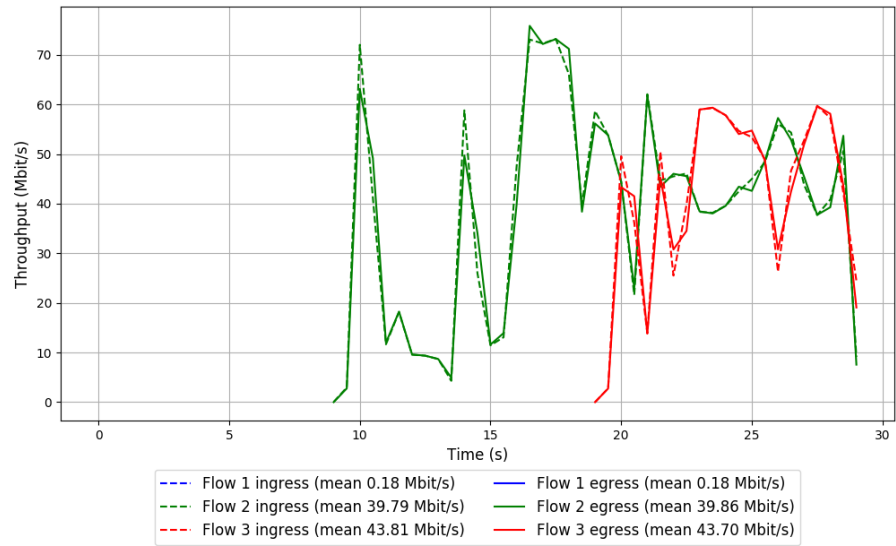
-- Flow 3:

Average throughput: 43.70 Mbit/s

95th percentile per-packet one-way delay: 56.797 ms

Loss rate: 1.10%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-08-11 07:33:58

End at: 2017-08-11 07:34:28

Local clock offset: 0.384 ms

Remote clock offset: 2.626 ms

Below is generated by plot.py at 2017-08-11 13:11:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.96 Mbit/s

95th percentile per-packet one-way delay: 73.897 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 73.008 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 34.77 Mbit/s

95th percentile per-packet one-way delay: 77.015 ms

Loss rate: 0.46%

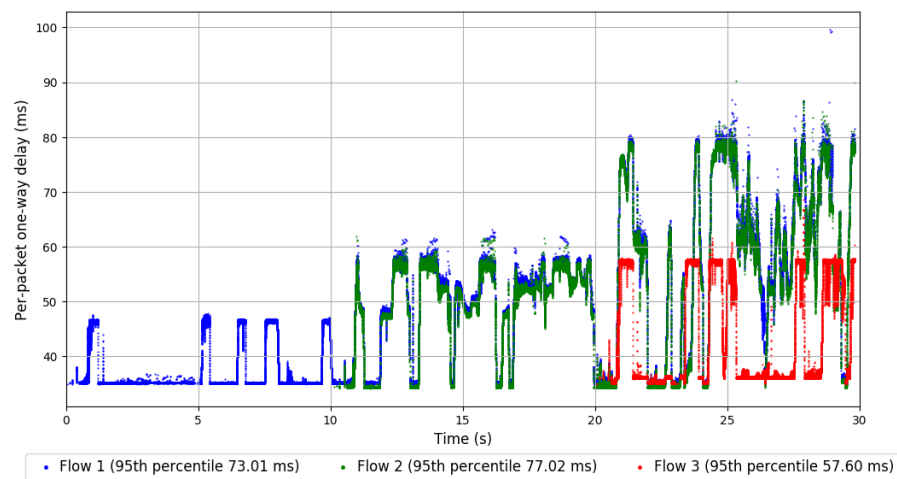
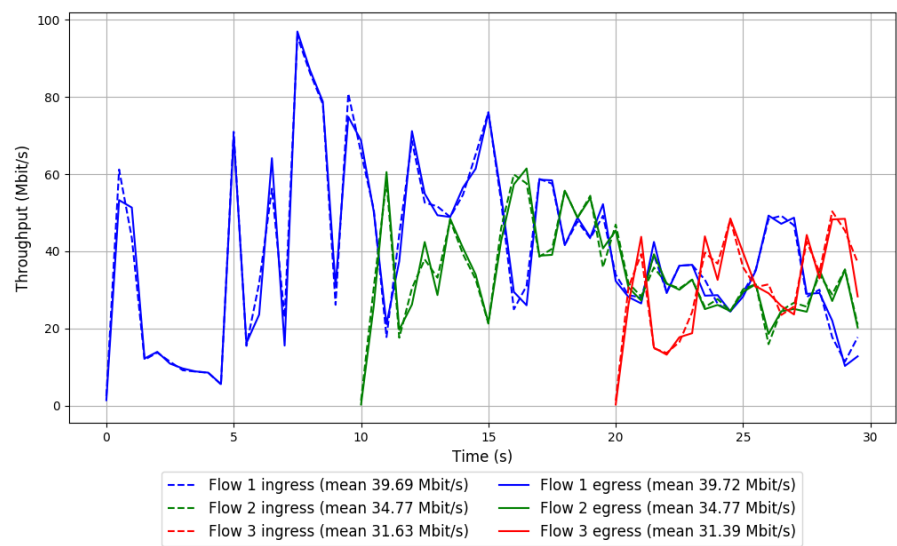
-- Flow 3:

Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 57.605 ms

Loss rate: 1.77%

Run 6: Report of QUIC Cubic — Data Link

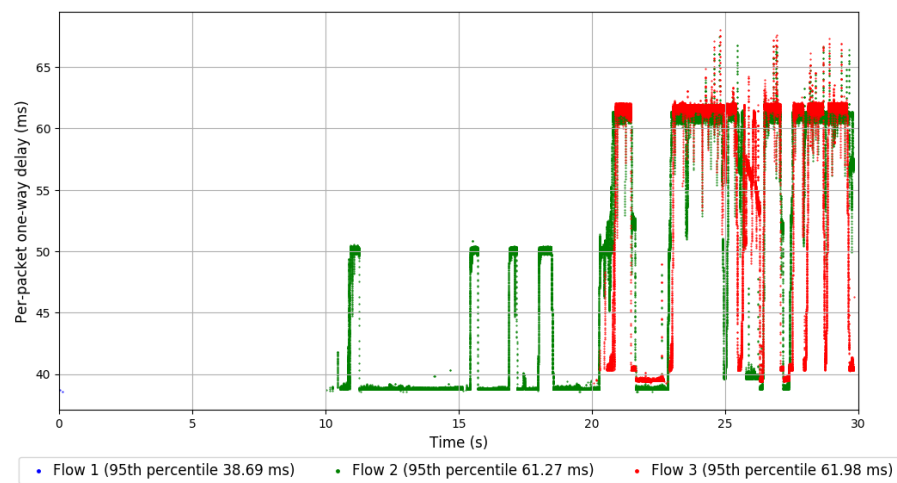
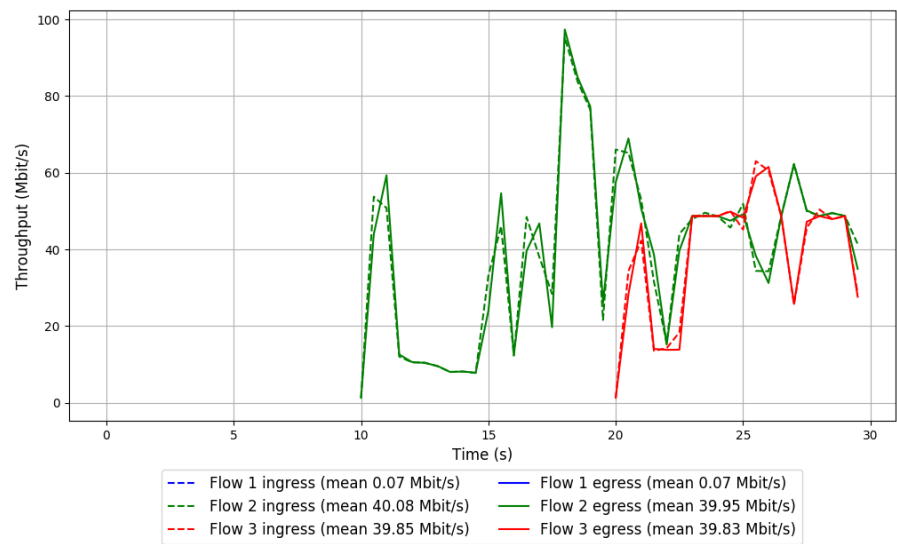


Run 7: Statistics of QUIC Cubic

Start at: 2017-08-11 07:55:07
End at: 2017-08-11 07:55:37
Local clock offset: 0.39 ms
Remote clock offset: -1.883 ms

Below is generated by plot.py at 2017-08-11 13:11:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 61.864 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.693 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 61.269 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 61.979 ms
Loss rate: 0.87%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-08-11 08:16:12

End at: 2017-08-11 08:16:42

Local clock offset: 0.384 ms

Remote clock offset: 0.578 ms

Below is generated by plot.py at 2017-08-11 13:11:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.28 Mbit/s

95th percentile per-packet one-way delay: 69.071 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 67.132 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 69.930 ms

Loss rate: 0.76%

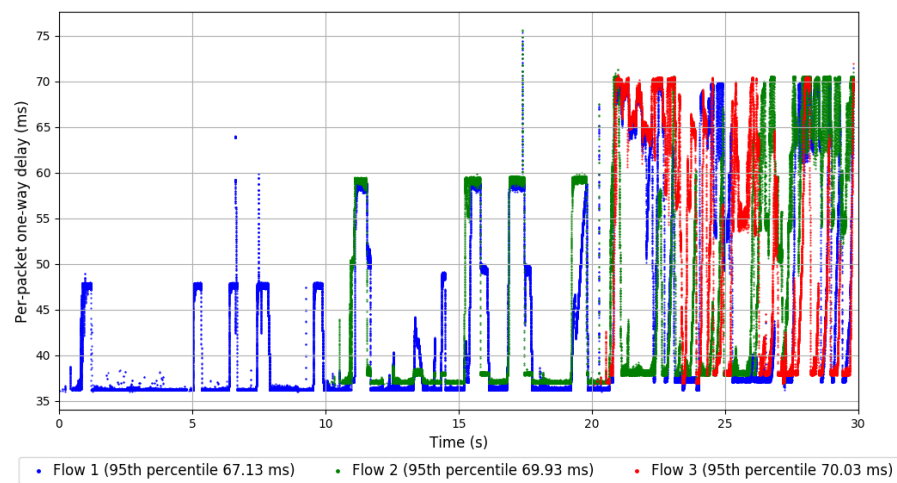
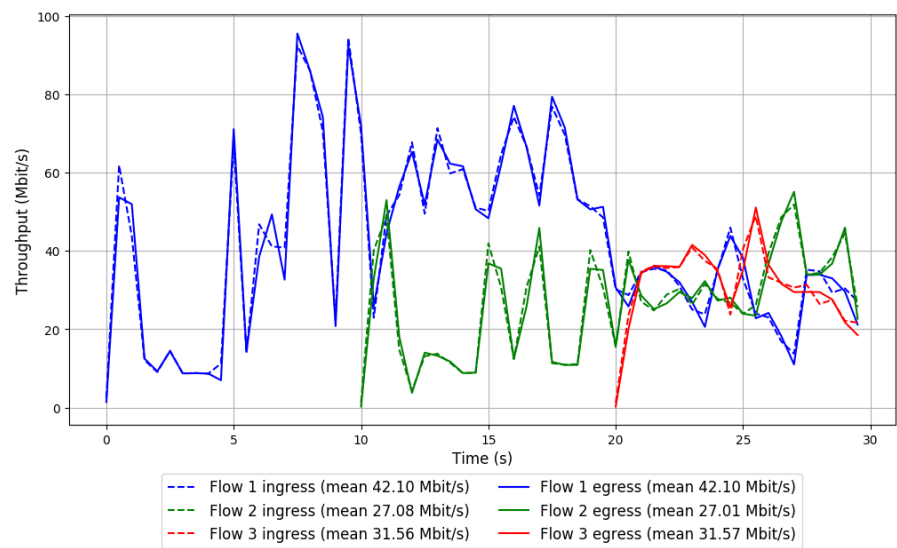
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 70.031 ms

Loss rate: 0.80%

Run 8: Report of QUIC Cubic — Data Link

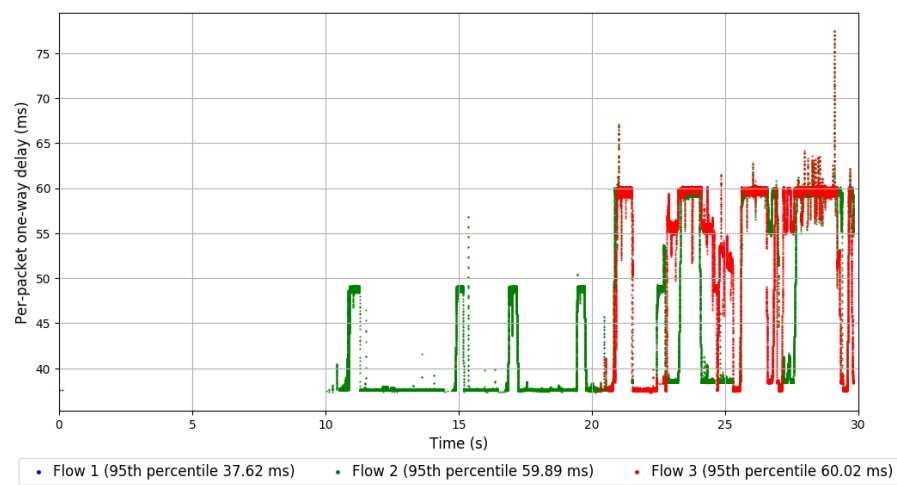
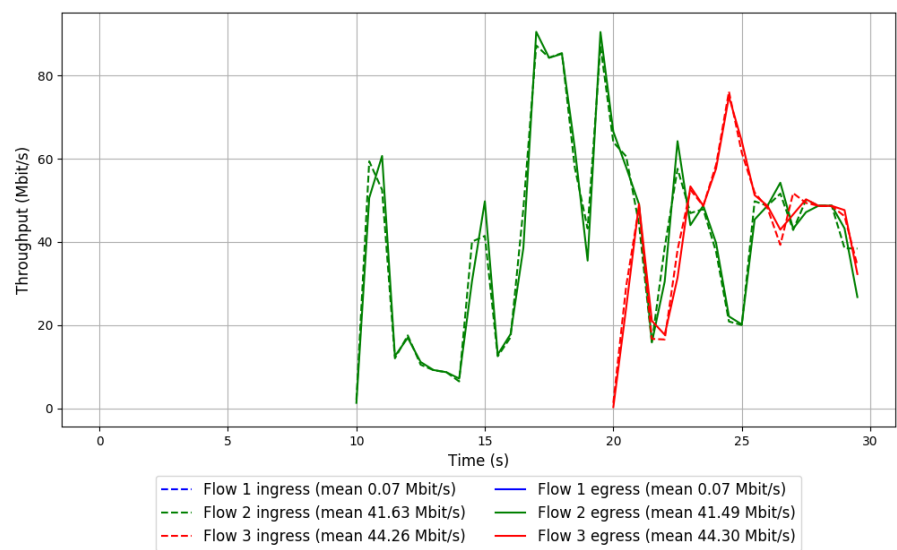


Run 9: Statistics of QUIC Cubic

Start at: 2017-08-11 08:37:16
End at: 2017-08-11 08:37:46
Local clock offset: 0.265 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2017-08-11 13:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 59.954 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 37.616 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 59.889 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 60.023 ms
Loss rate: 0.74%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-08-11 08:58:16

End at: 2017-08-11 08:58:46

Local clock offset: 0.132 ms

Remote clock offset: 0.589 ms

Below is generated by plot.py at 2017-08-11 13:11:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.03 Mbit/s

95th percentile per-packet one-way delay: 69.536 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 42.88 Mbit/s

95th percentile per-packet one-way delay: 68.310 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 26.33 Mbit/s

95th percentile per-packet one-way delay: 72.249 ms

Loss rate: 0.73%

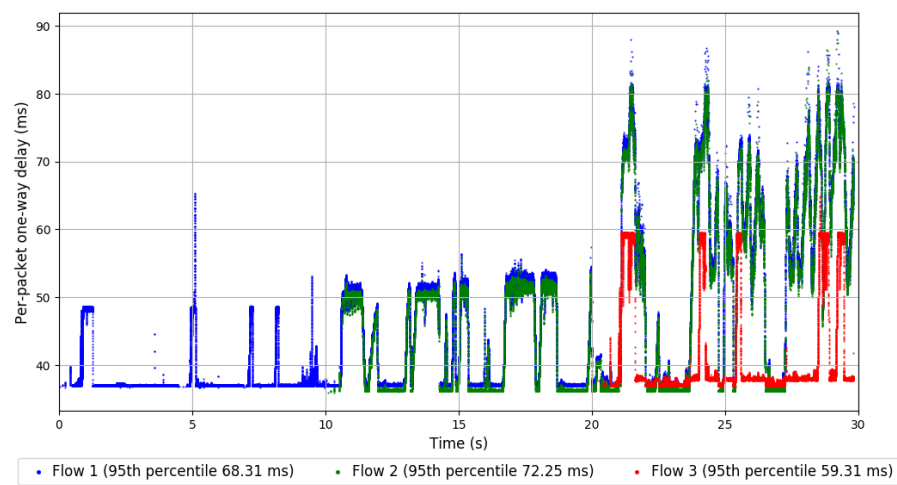
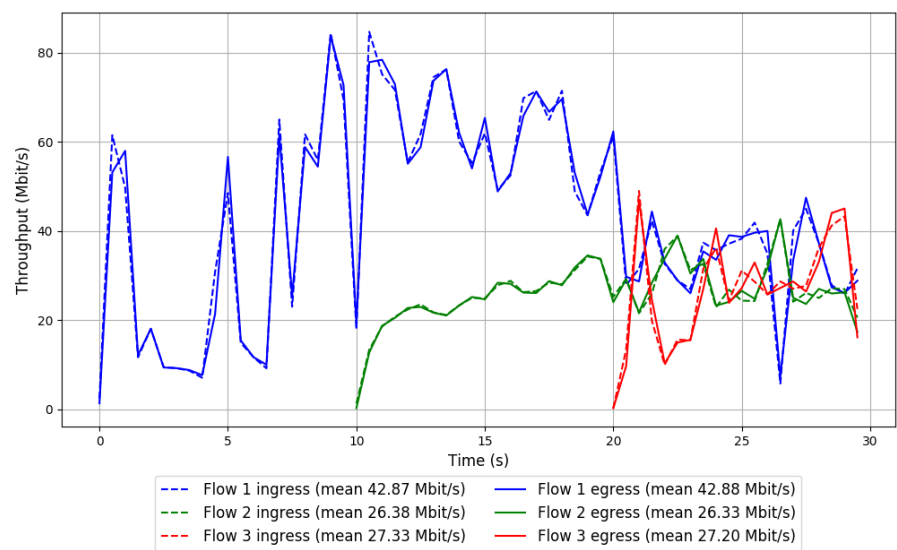
-- Flow 3:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 59.312 ms

Loss rate: 1.43%

Run 10: Report of QUIC Cubic — Data Link

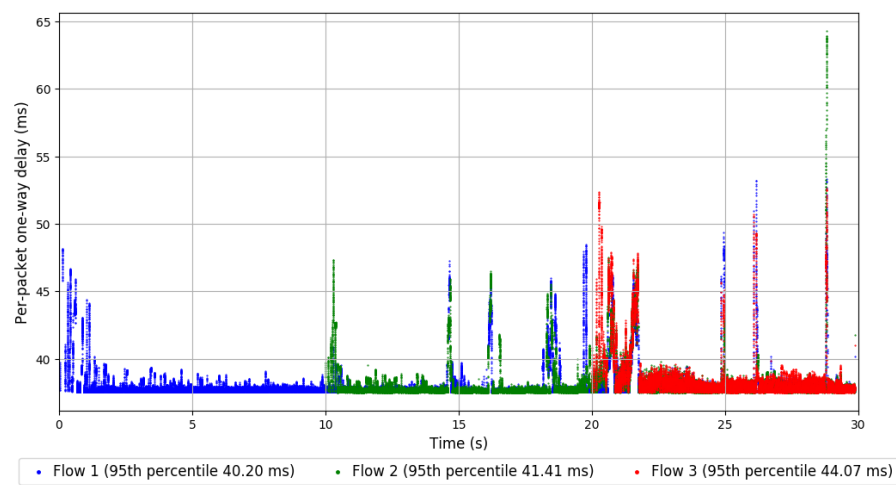
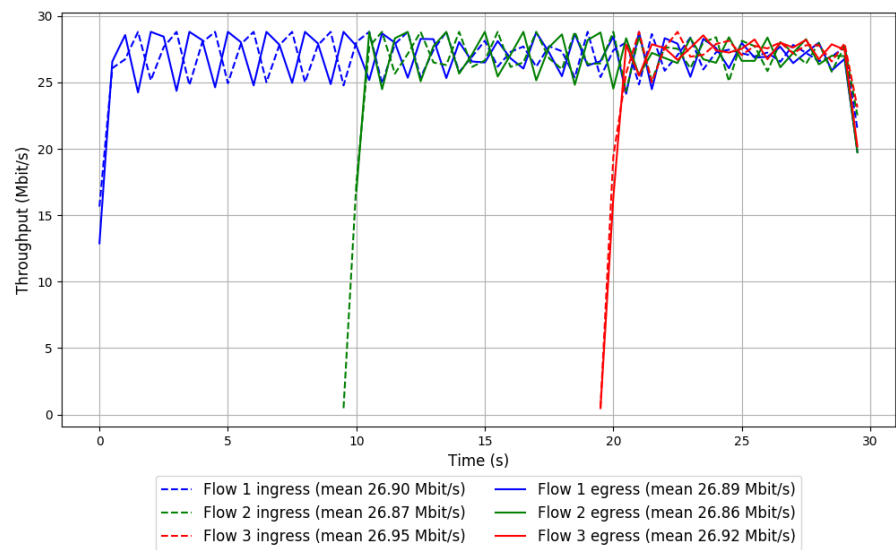


Run 1: Statistics of Saturator

Start at: 2017-08-11 05:37:40
End at: 2017-08-11 05:38:10
Local clock offset: 0.925 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2017-08-11 13:11:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 41.377 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 40.198 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 41.408 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 44.069 ms
Loss rate: 0.93%

Run 1: Report of Saturator — Data Link

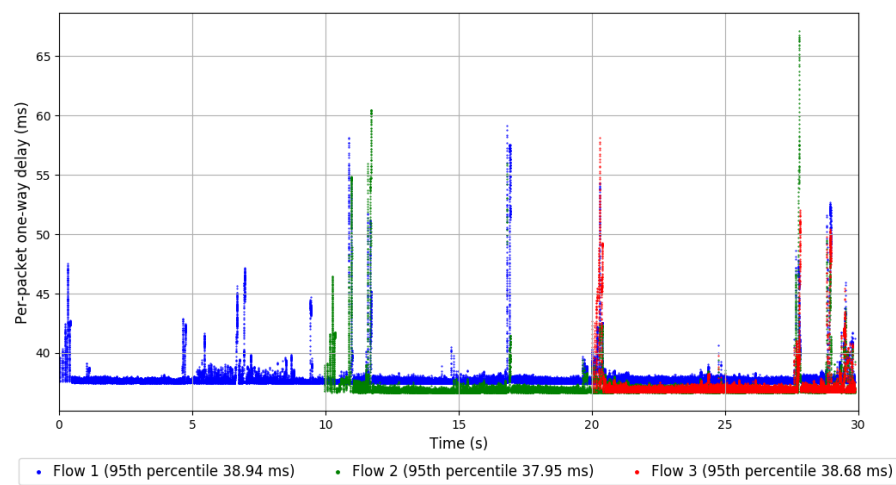
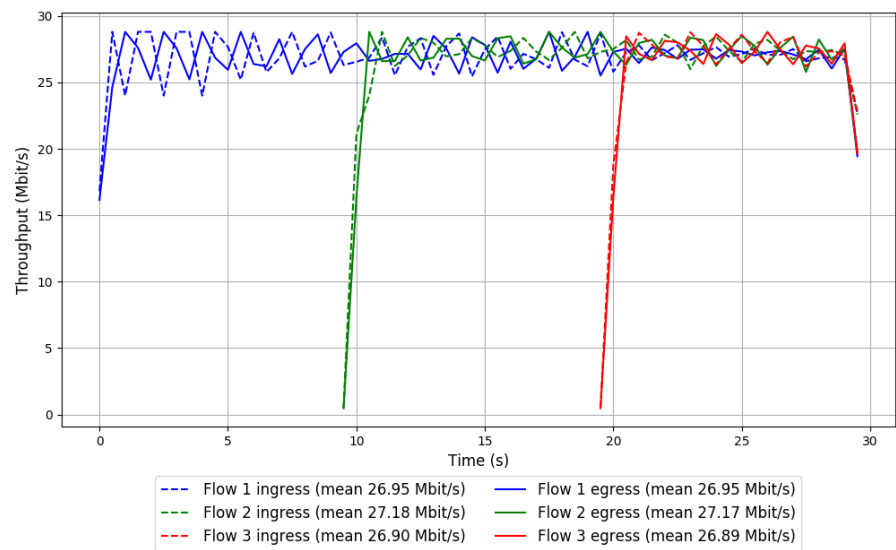


Run 2: Statistics of Saturator

Start at: 2017-08-11 05:58:55
End at: 2017-08-11 05:59:25
Local clock offset: 0.767 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2017-08-11 13:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 38.643 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 38.938 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 37.952 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 38.680 ms
Loss rate: 0.87%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: 2017-08-11 06:20:01

End at: 2017-08-11 06:20:31

Local clock offset: 9.488 ms

Remote clock offset: 2.403 ms

Below is generated by plot.py at 2017-08-11 13:11:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.07 Mbit/s

95th percentile per-packet one-way delay: 45.995 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 45.166 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 27.10 Mbit/s

95th percentile per-packet one-way delay: 45.862 ms

Loss rate: 0.45%

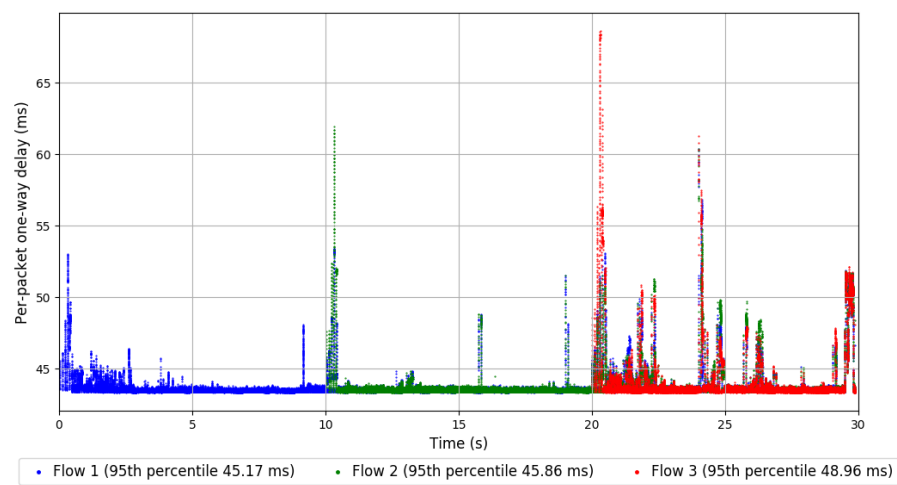
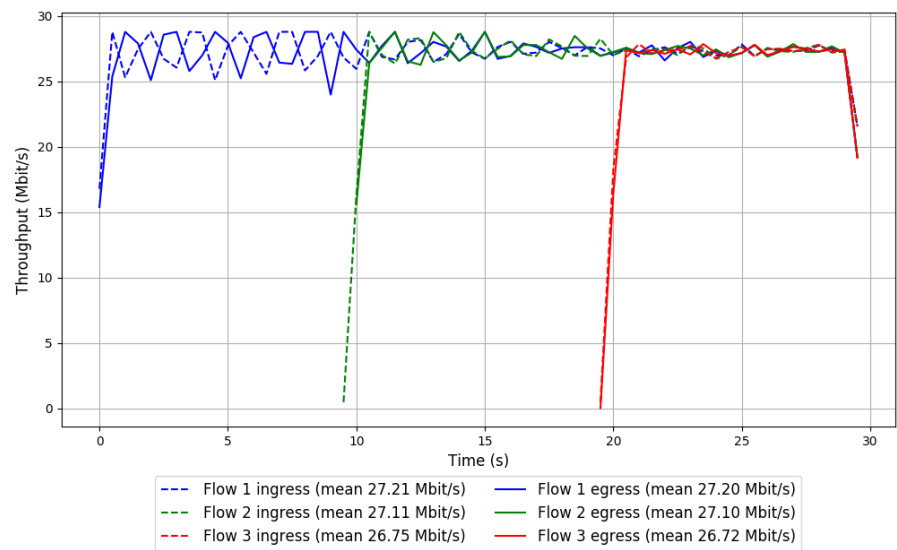
-- Flow 3:

Average throughput: 26.72 Mbit/s

95th percentile per-packet one-way delay: 48.961 ms

Loss rate: 0.94%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: 2017-08-11 06:40:54

End at: 2017-08-11 06:41:24

Local clock offset: 0.4 ms

Remote clock offset: 2.676 ms

Below is generated by plot.py at 2017-08-11 13:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.97 Mbit/s

95th percentile per-packet one-way delay: 36.279 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 27.19 Mbit/s

95th percentile per-packet one-way delay: 35.675 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 36.523 ms

Loss rate: 0.45%

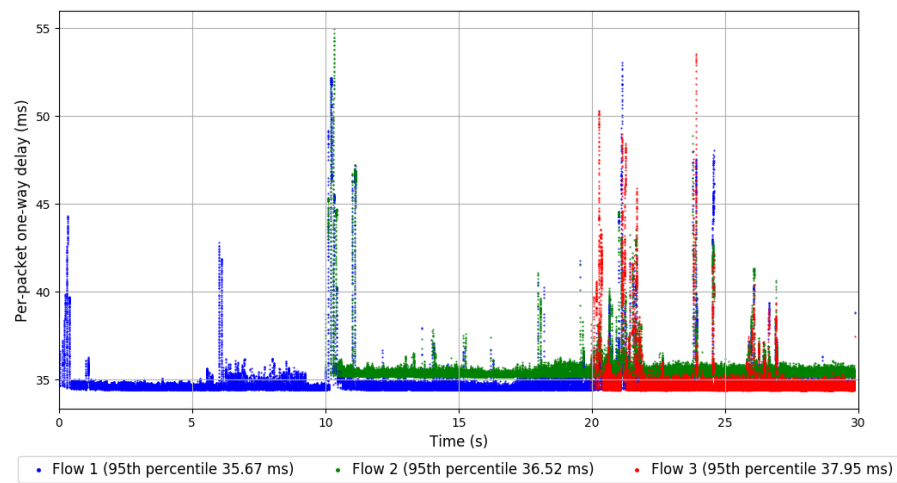
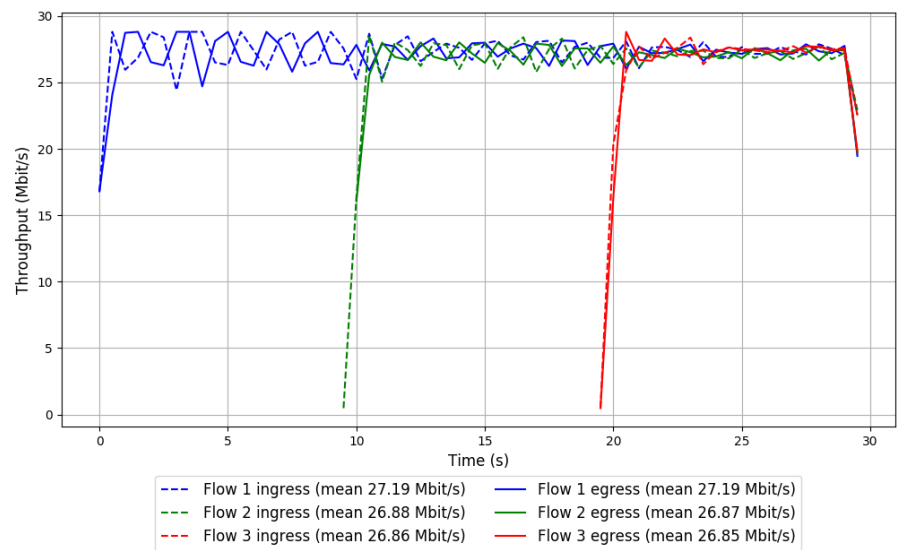
-- Flow 3:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 37.948 ms

Loss rate: 0.88%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: 2017-08-11 07:01:51

End at: 2017-08-11 07:02:21

Local clock offset: 0.45 ms

Remote clock offset: 2.641 ms

Below is generated by plot.py at 2017-08-11 13:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.25 Mbit/s

95th percentile per-packet one-way delay: 36.844 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 27.48 Mbit/s

95th percentile per-packet one-way delay: 36.904 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 26.88 Mbit/s

95th percentile per-packet one-way delay: 36.849 ms

Loss rate: 0.44%

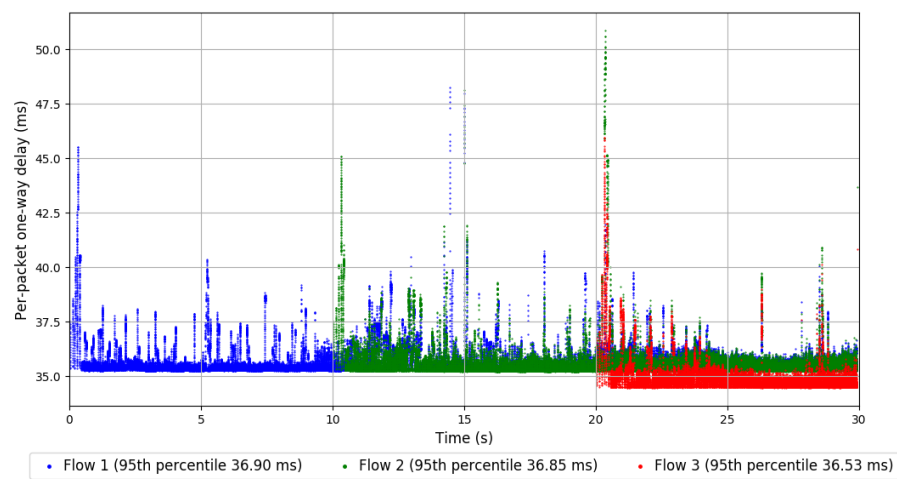
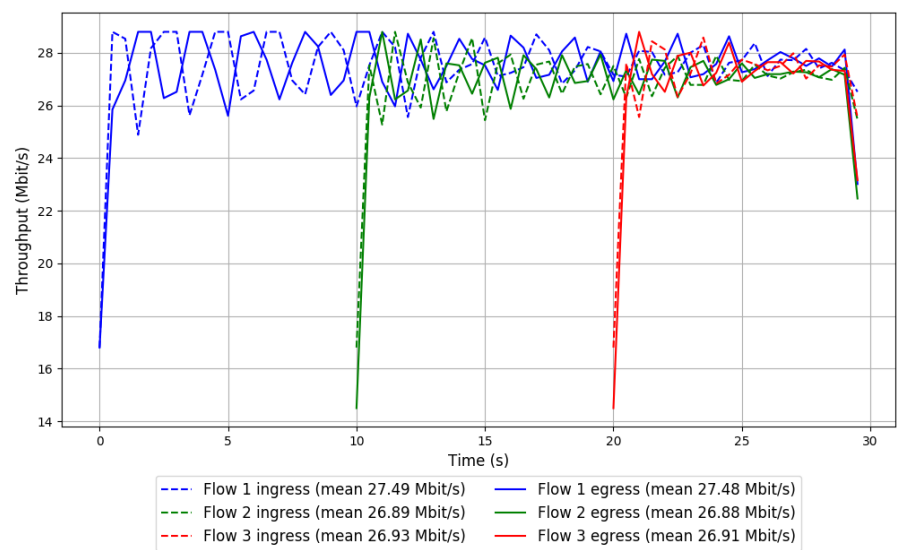
-- Flow 3:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 36.535 ms

Loss rate: 0.89%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: 2017-08-11 07:22:51

End at: 2017-08-11 07:23:21

Local clock offset: 0.38 ms

Remote clock offset: 2.718 ms

Below is generated by plot.py at 2017-08-11 13:11:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 36.170 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 27.19 Mbit/s

95th percentile per-packet one-way delay: 35.711 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 36.324 ms

Loss rate: 0.45%

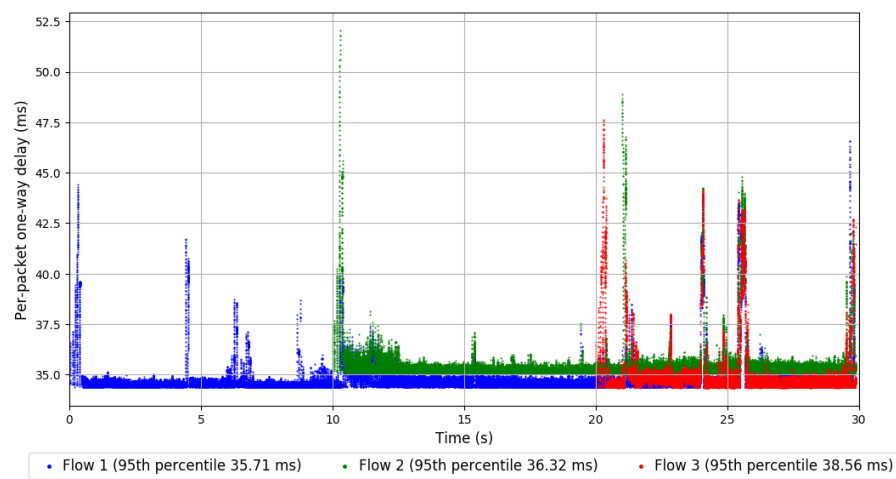
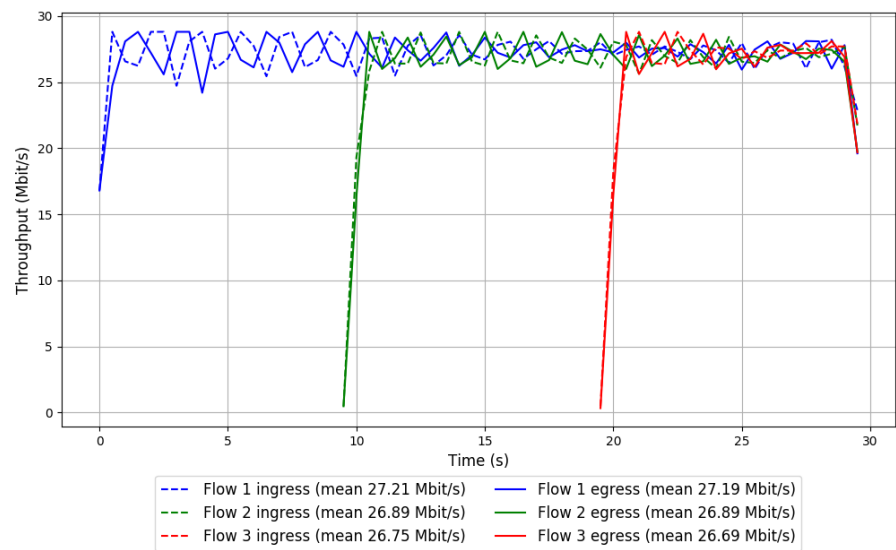
-- Flow 3:

Average throughput: 26.69 Mbit/s

95th percentile per-packet one-way delay: 38.559 ms

Loss rate: 1.02%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: 2017-08-11 07:43:57

End at: 2017-08-11 07:44:27

Local clock offset: 0.388 ms

Remote clock offset: 2.675 ms

Below is generated by plot.py at 2017-08-11 13:11:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 35.821 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 35.875 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 35.283 ms

Loss rate: 0.44%

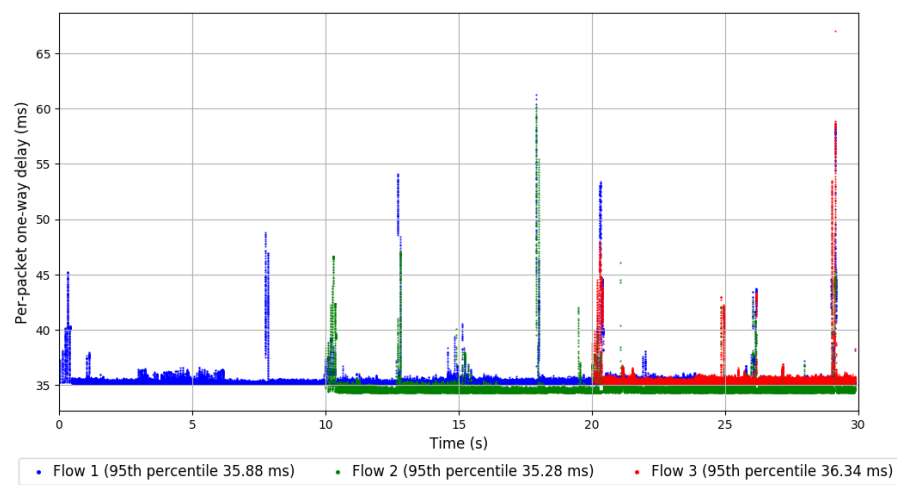
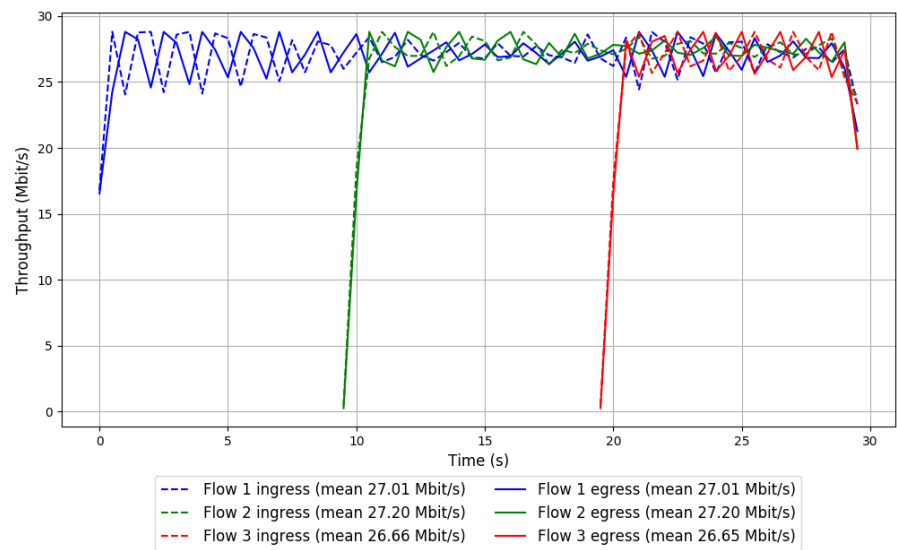
-- Flow 3:

Average throughput: 26.65 Mbit/s

95th percentile per-packet one-way delay: 36.337 ms

Loss rate: 0.90%

Run 7: Report of Saturator — Data Link

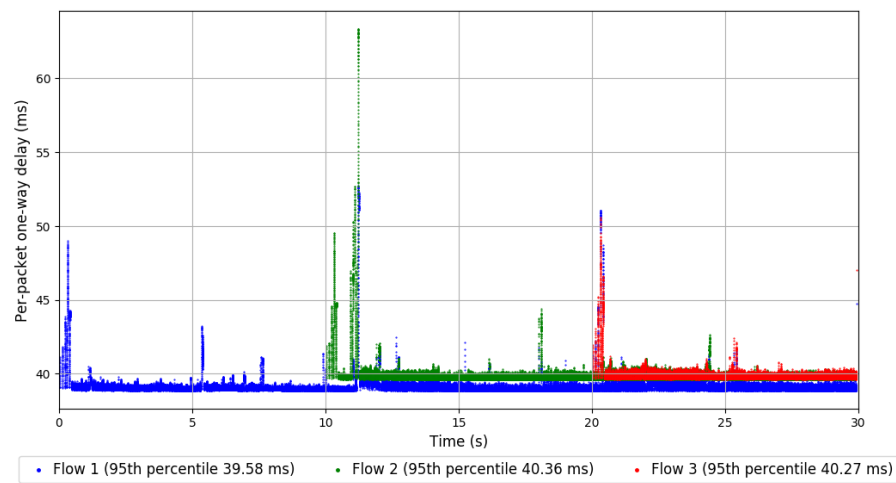
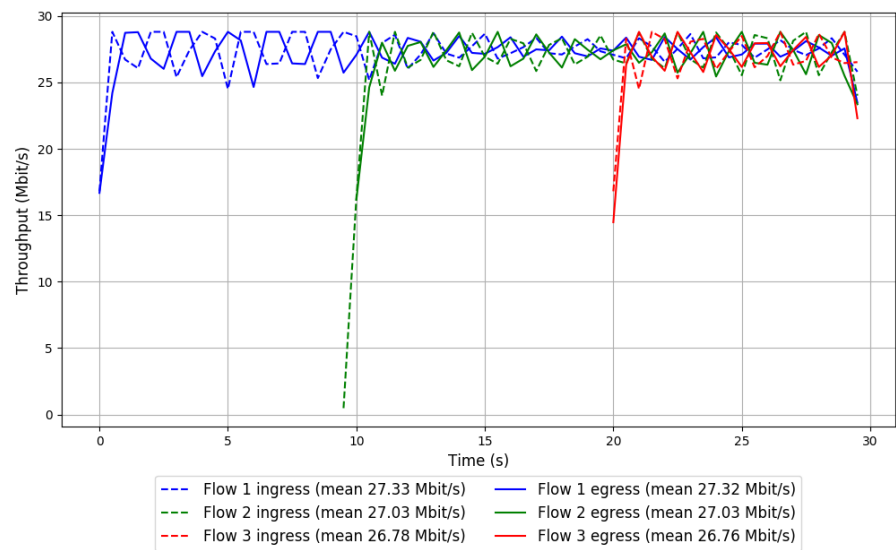


Run 8: Statistics of Saturator

Start at: 2017-08-11 08:05:04
End at: 2017-08-11 08:05:34
Local clock offset: 0.449 ms
Remote clock offset: -2.02 ms

```
# Below is generated by plot.py at 2017-08-11 13:11:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 40.191 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 39.575 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 40.359 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 40.275 ms
Loss rate: 0.89%
```


Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: 2017-08-11 08:26:10

End at: 2017-08-11 08:26:40

Local clock offset: 0.334 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2017-08-11 13:11:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 37.644 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 27.24 Mbit/s

95th percentile per-packet one-way delay: 37.216 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 37.744 ms

Loss rate: 0.44%

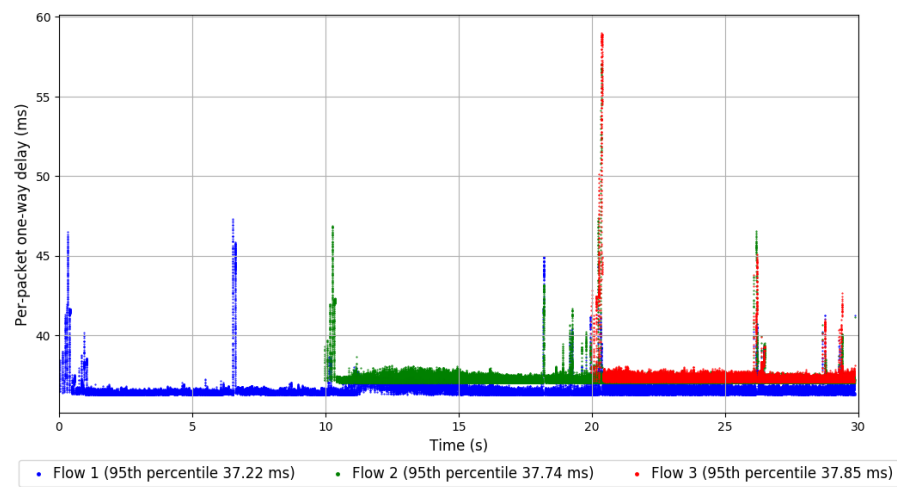
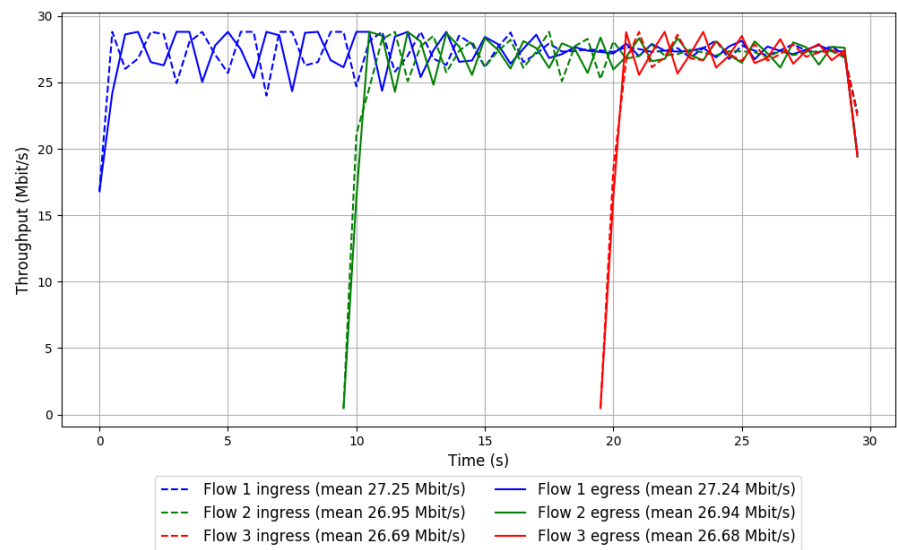
-- Flow 3:

Average throughput: 26.68 Mbit/s

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

Loss rate: 0.90%

Run 9: Report of Saturator — Data Link

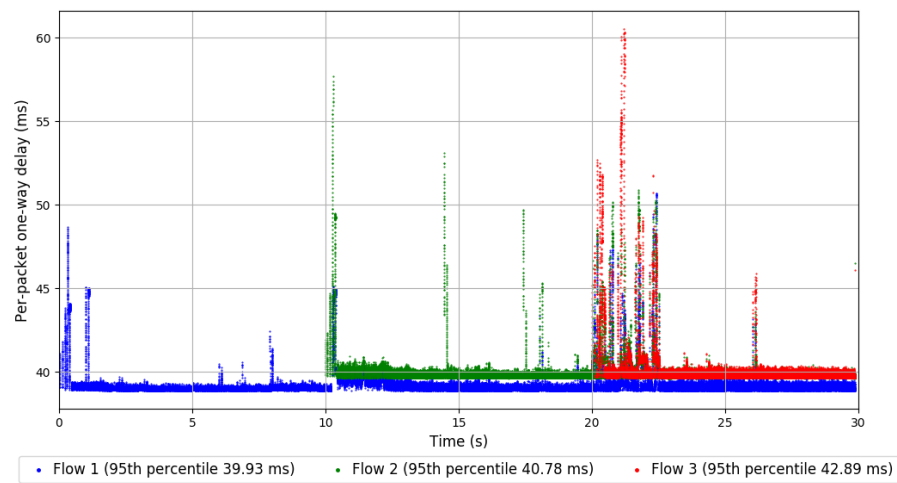
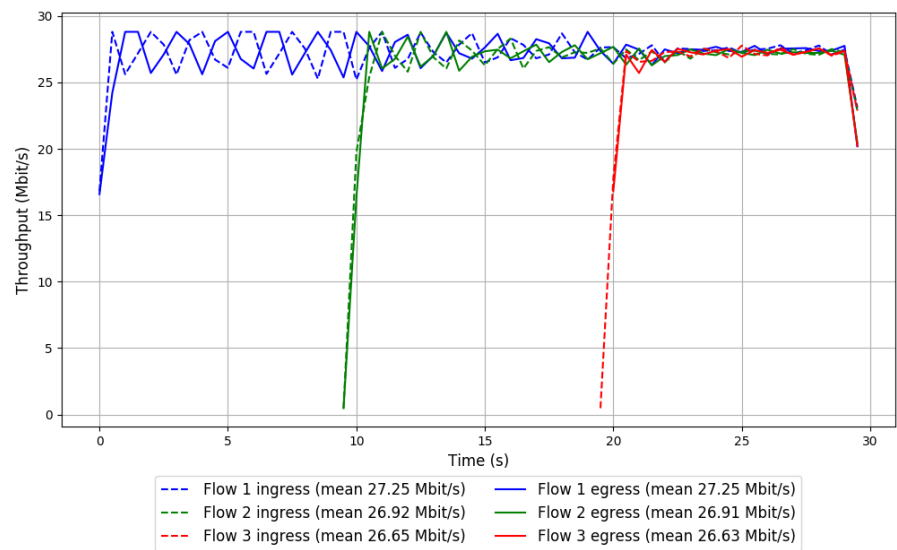


Run 10: Statistics of Saturator

Start at: 2017-08-11 08:47:12
End at: 2017-08-11 08:47:42
Local clock offset: 0.249 ms
Remote clock offset: -2.129 ms

Below is generated by plot.py at 2017-08-11 13:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.00 Mbit/s
95th percentile per-packet one-way delay: 40.636 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 39.926 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 40.784 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 42.886 ms
Loss rate: 0.90%

Run 10: Report of Saturator — Data Link

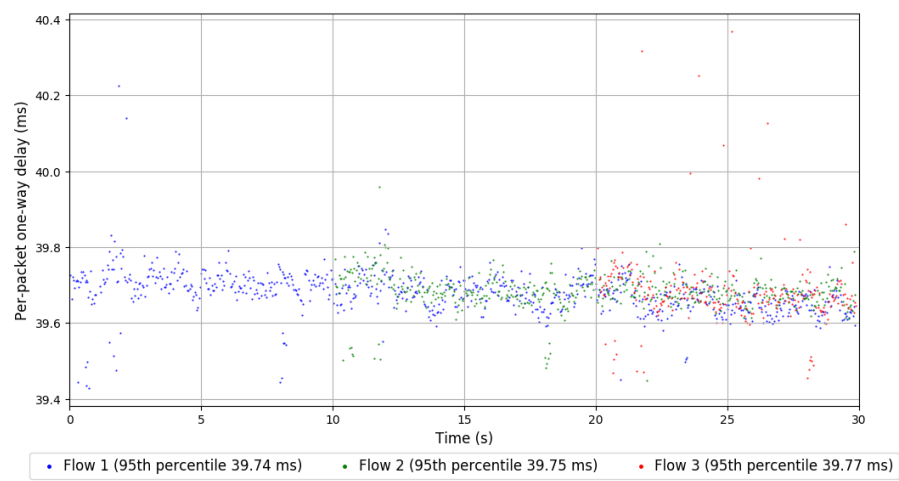
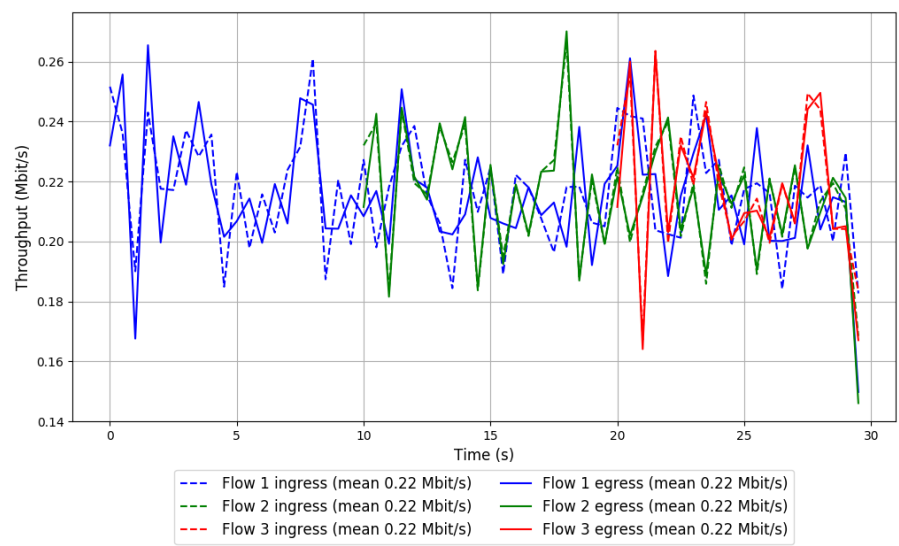


Run 1: Statistics of SReAM

Start at: 2017-08-11 05:40:28
End at: 2017-08-11 05:40:59
Local clock offset: 0.942 ms
Remote clock offset: -2.482 ms

Below is generated by plot.py at 2017-08-11 13:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.753 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.745 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.753 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.767 ms
Loss rate: 0.74%

Run 1: Report of SReAM — Data Link

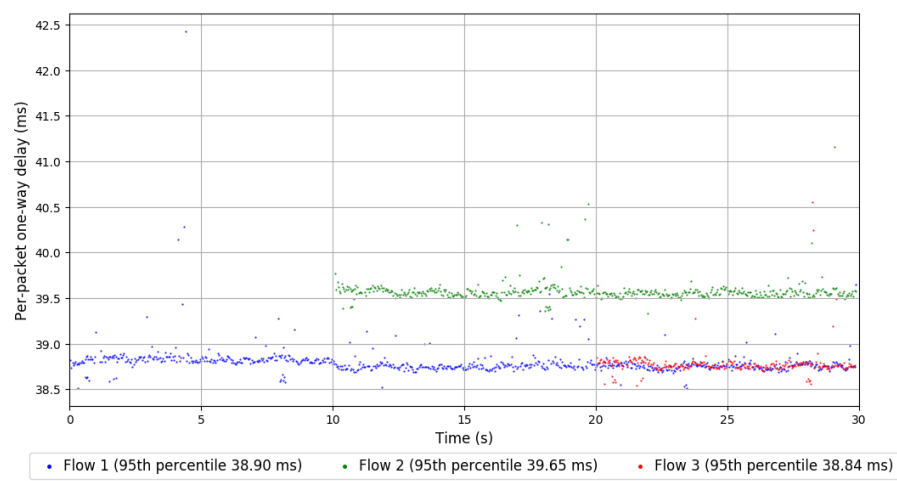
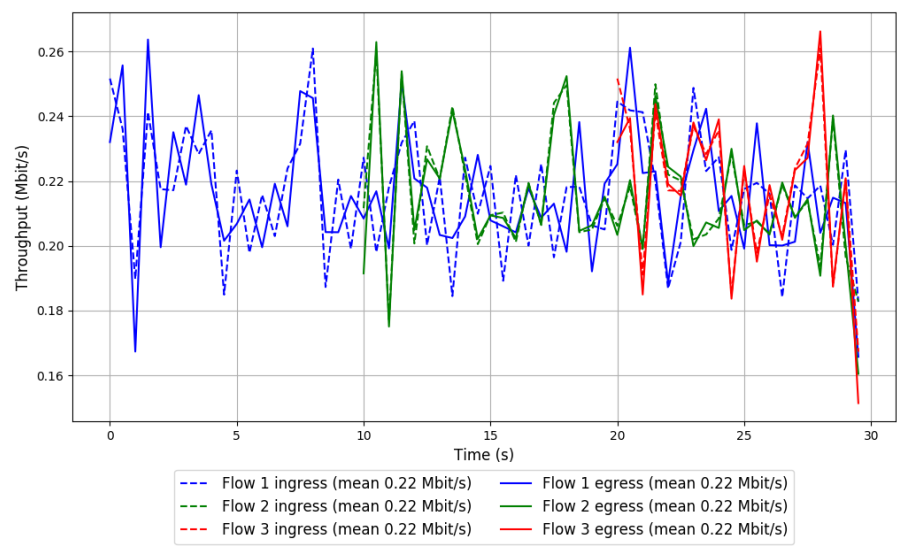


```
Run 2: Statistics of SReAM

Start at: 2017-08-11 06:01:43
End at: 2017-08-11 06:02:13
Local clock offset: 0.765 ms
Remote clock offset: -2.18 ms

# Below is generated by plot.py at 2017-08-11 13:12:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.610 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.898 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.653 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.844 ms
Loss rate: 0.74%
```


Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2017-08-11 06:22:48

End at: 2017-08-11 06:23:18

Local clock offset: 9.589 ms

Remote clock offset: 2.456 ms

Below is generated by plot.py at 2017-08-11 13:12:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 44.382 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.395 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 44.370 ms

Loss rate: 0.42%

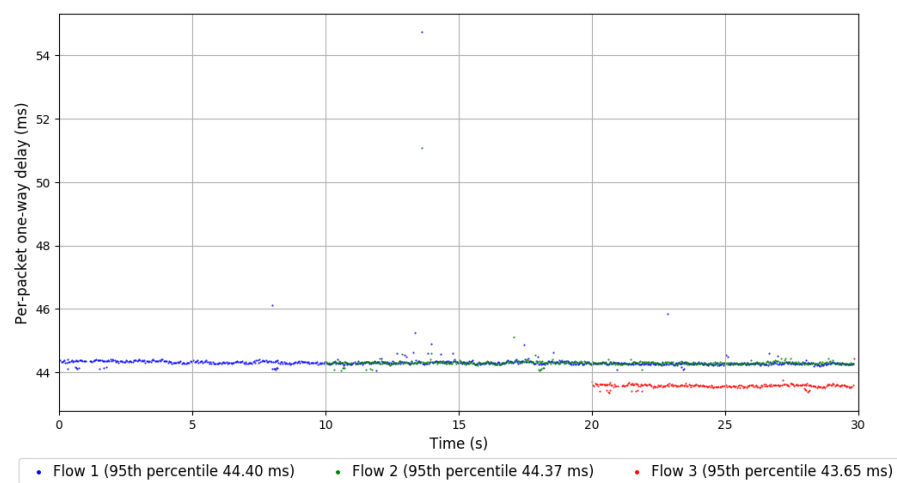
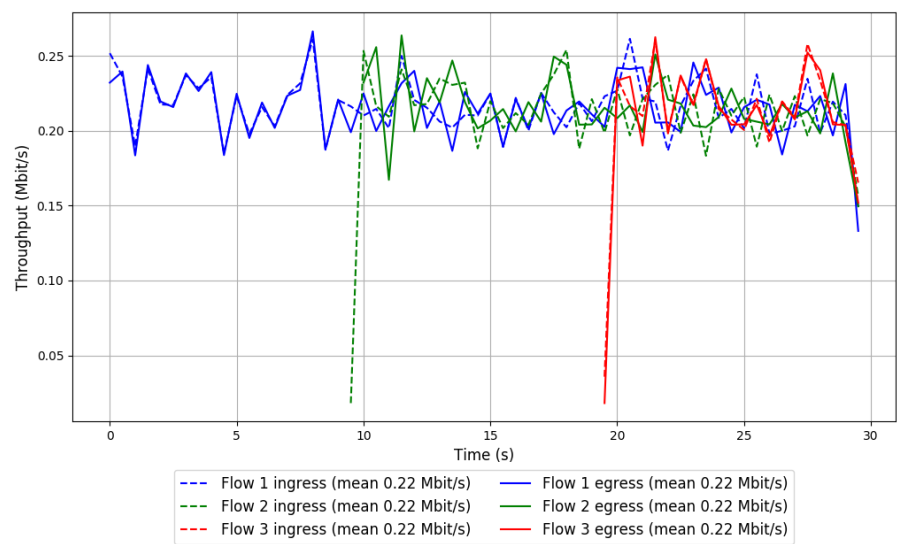
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.649 ms

Loss rate: 0.70%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-08-11 06:43:41

End at: 2017-08-11 06:44:11

Local clock offset: 0.468 ms

Remote clock offset: 2.669 ms

Below is generated by plot.py at 2017-08-11 13:12:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.304 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.612 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.585 ms

Loss rate: 0.42%

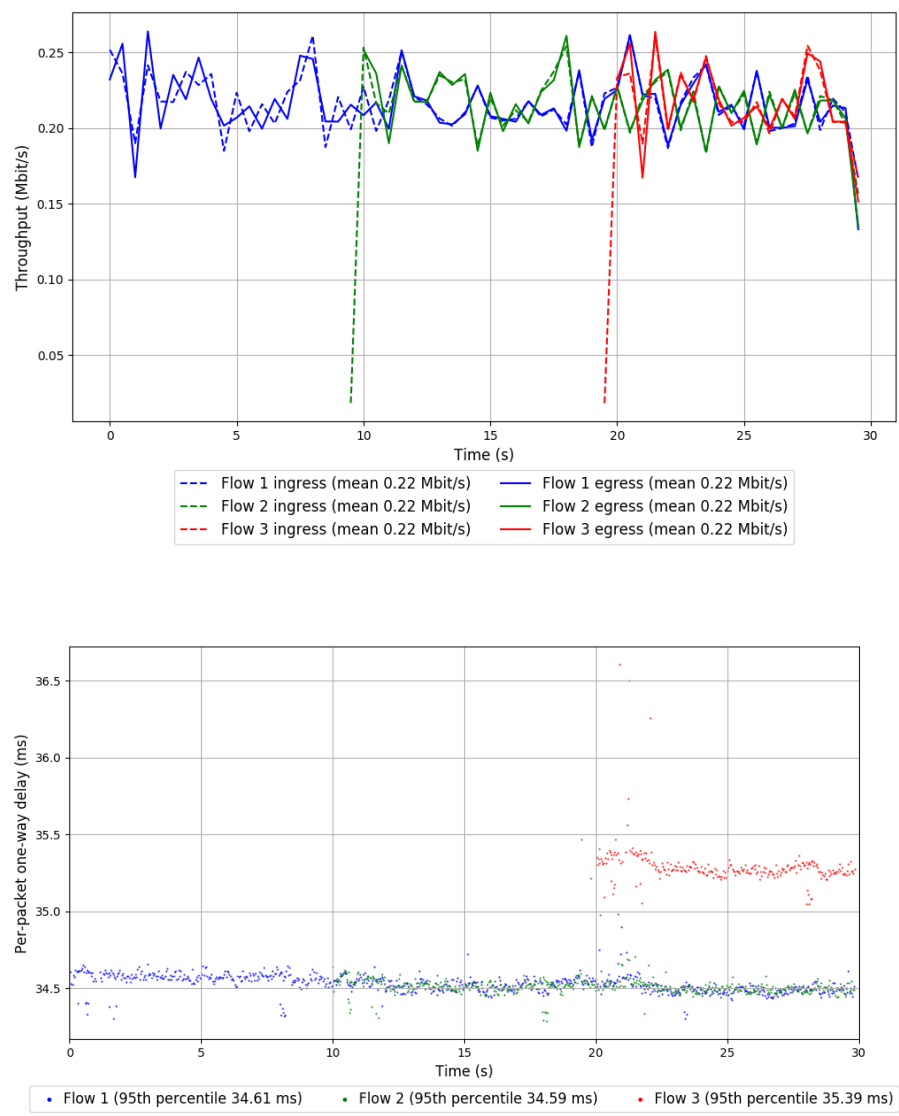
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.386 ms

Loss rate: 0.74%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-08-11 07:04:38

End at: 2017-08-11 07:05:08

Local clock offset: 0.46 ms

Remote clock offset: 2.681 ms

Below is generated by plot.py at 2017-08-11 13:12:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.414 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.418 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.683 ms

Loss rate: 0.43%

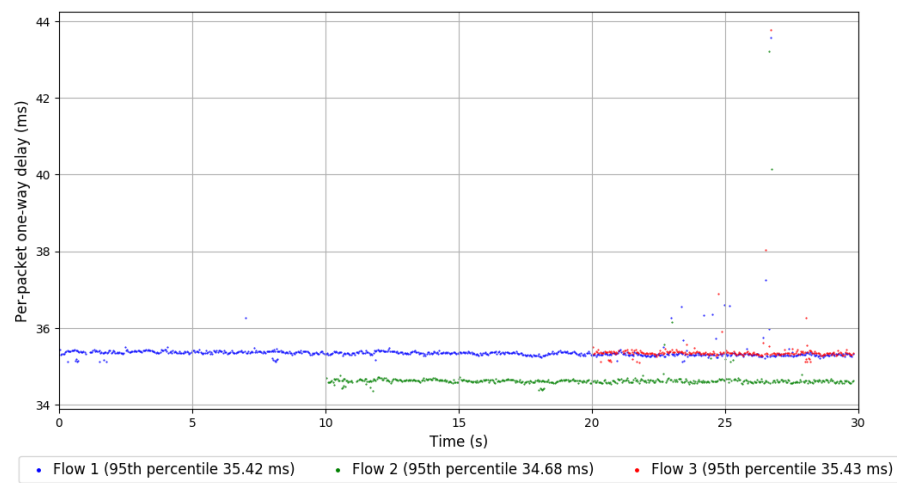
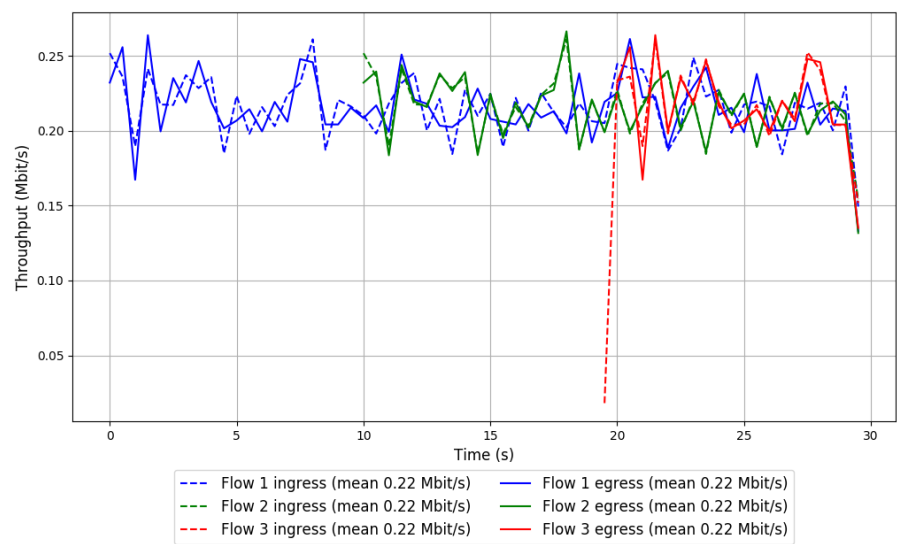
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.432 ms

Loss rate: 0.76%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2017-08-11 07:25:38

End at: 2017-08-11 07:26:08

Local clock offset: 0.396 ms

Remote clock offset: 2.687 ms

Below is generated by plot.py at 2017-08-11 13:12:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.262 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.275 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.221 ms

Loss rate: 0.39%

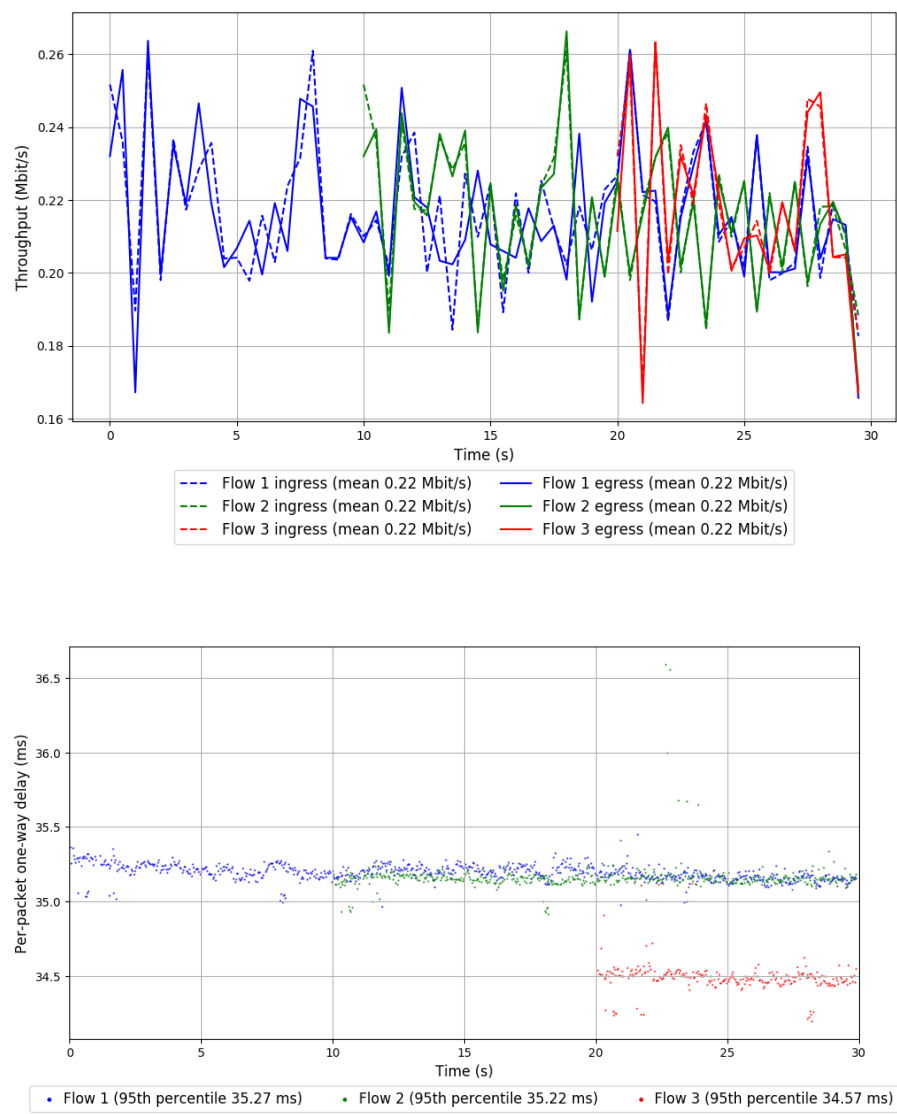
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.567 ms

Loss rate: 0.74%

Run 6: Report of SReAM — Data Link

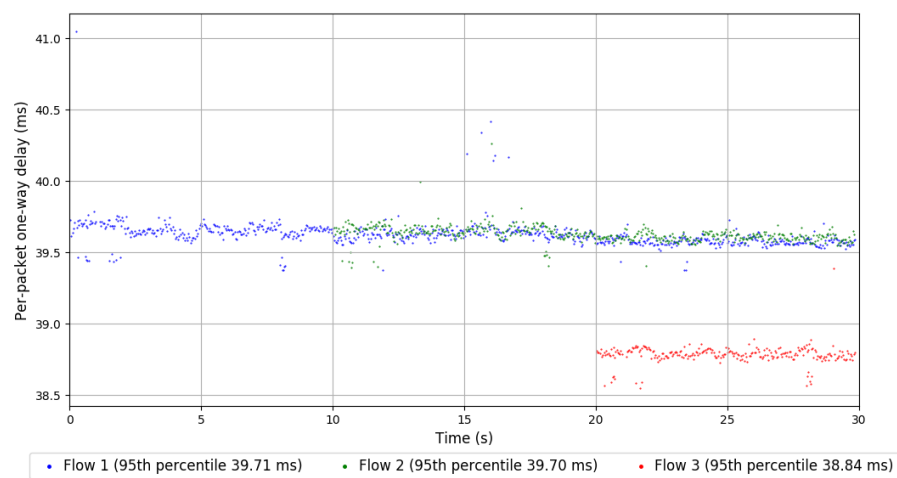
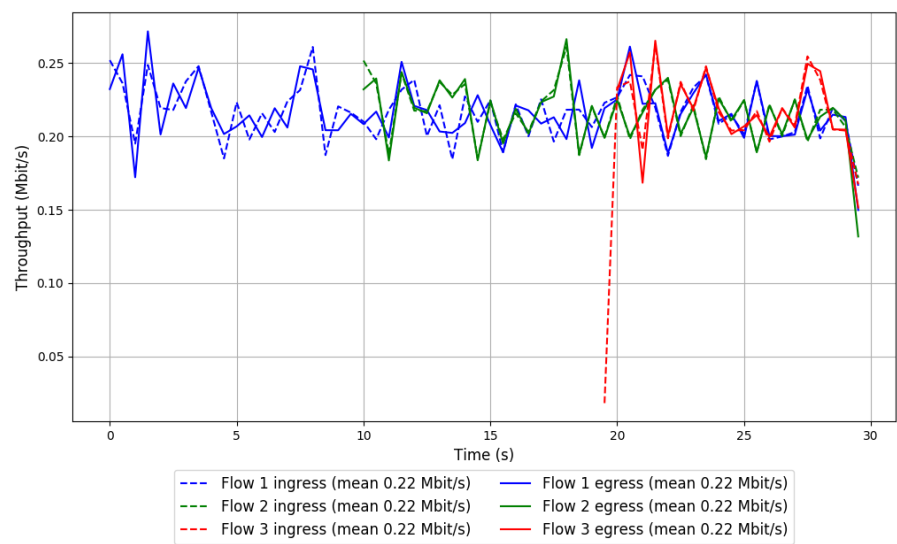


Run 7: Statistics of SReAM

Start at: 2017-08-11 07:46:45
End at: 2017-08-11 07:47:15
Local clock offset: 0.471 ms
Remote clock offset: -1.726 ms

Below is generated by plot.py at 2017-08-11 13:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.701 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.713 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.701 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.837 ms
Loss rate: 0.73%

Run 7: Report of SReAM — Data Link

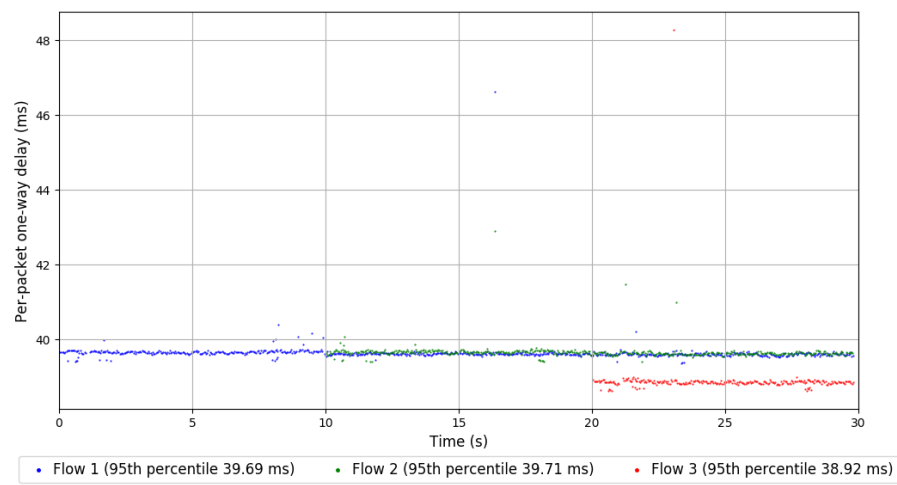
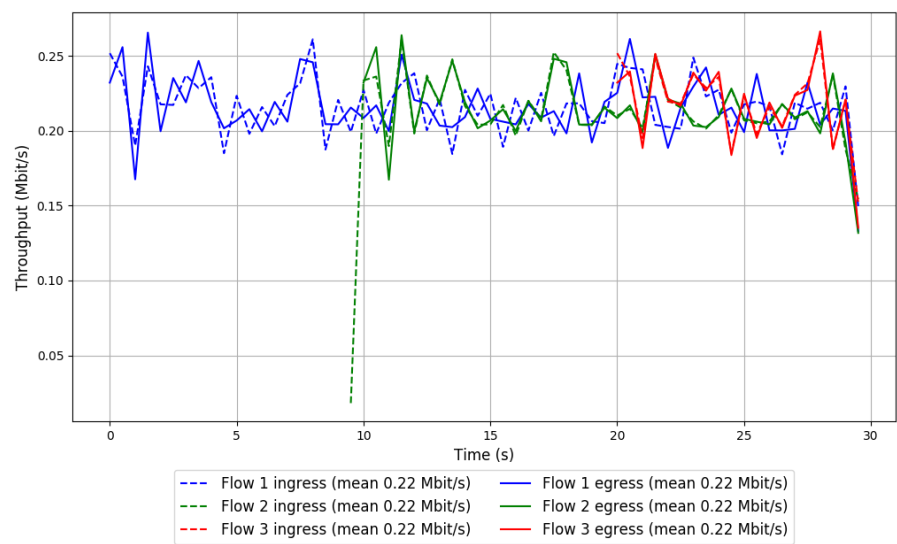


Run 8: Statistics of SReAM

Start at: 2017-08-11 08:07:52
End at: 2017-08-11 08:08:22
Local clock offset: 0.412 ms
Remote clock offset: -1.983 ms

Below is generated by plot.py at 2017-08-11 13:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.699 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.691 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.709 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.916 ms
Loss rate: 0.75%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-08-11 08:28:58

End at: 2017-08-11 08:29:28

Local clock offset: 0.35 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2017-08-11 13:12:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 37.569 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.577 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.546 ms

Loss rate: 0.42%

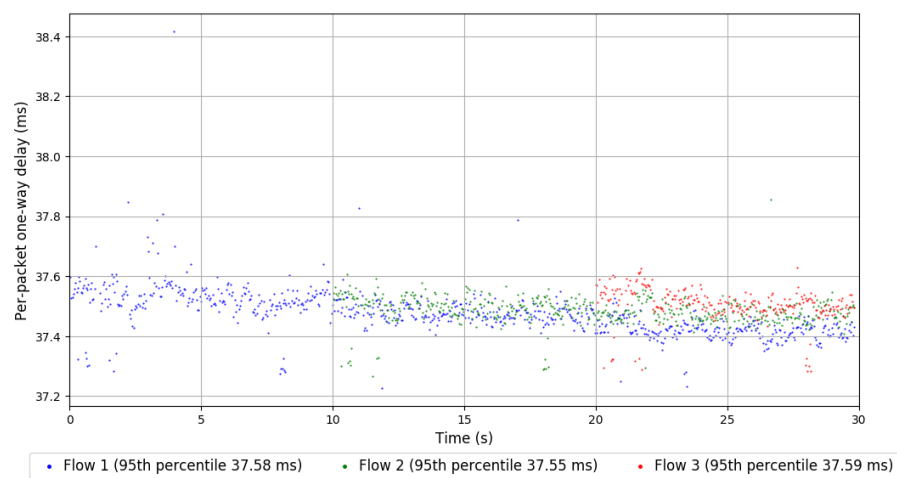
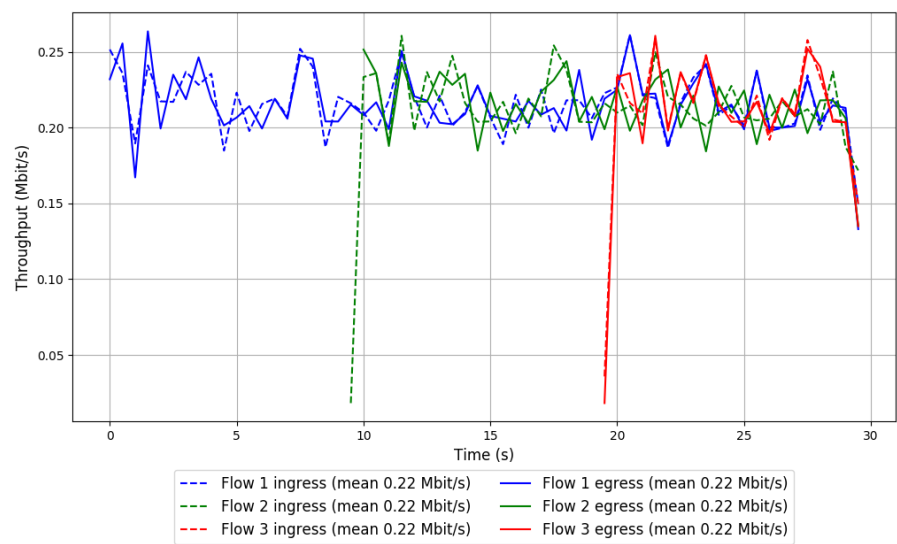
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.587 ms

Loss rate: 0.74%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-08-11 08:49:58

End at: 2017-08-11 08:50:28

Local clock offset: 0.23 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2017-08-11 13:12:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 37.680 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.909 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.706 ms

Loss rate: 0.39%

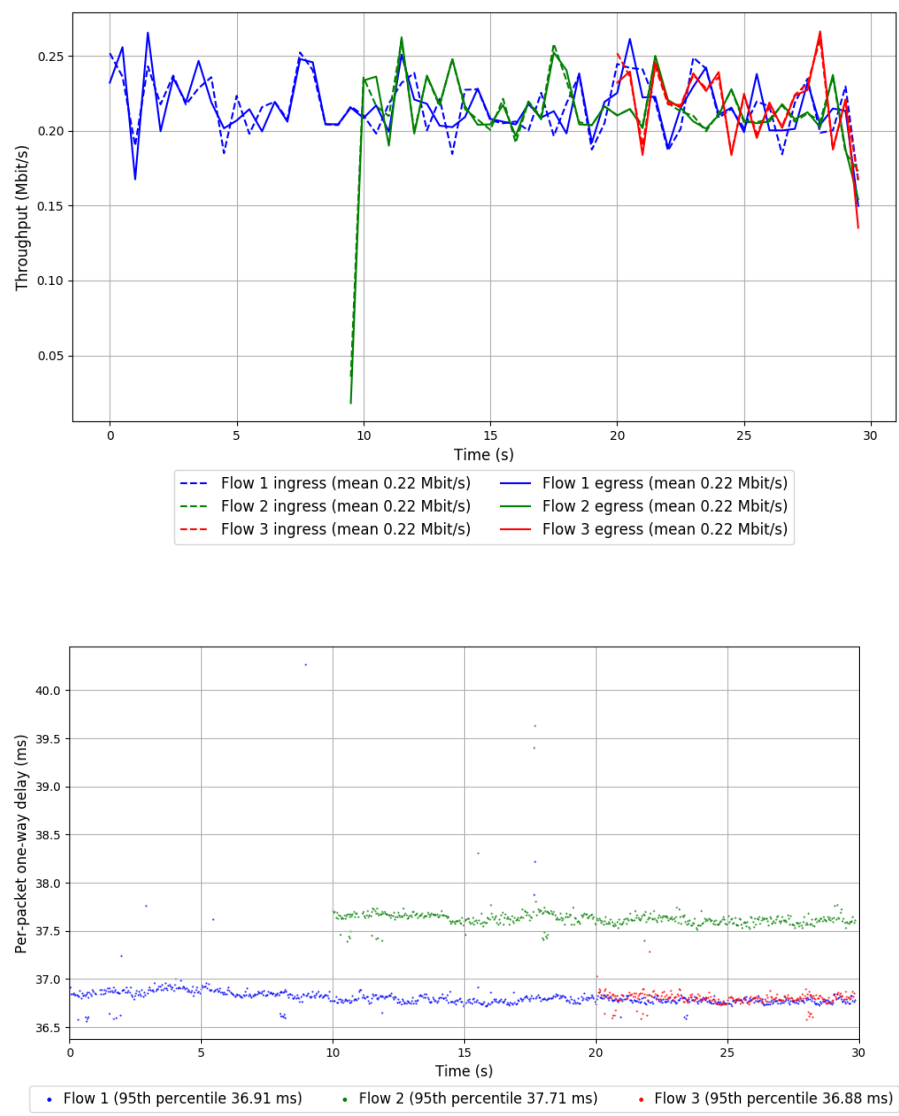
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.875 ms

Loss rate: 1.11%

Run 10: Report of SReAM — Data Link

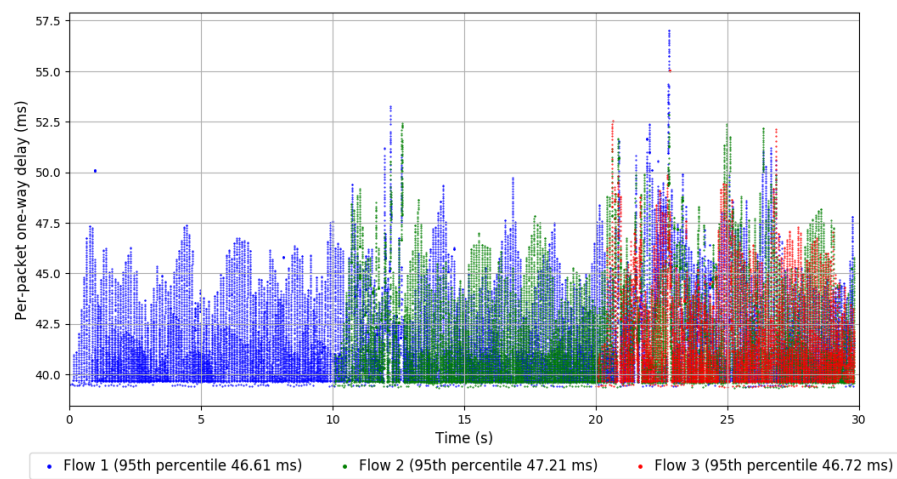
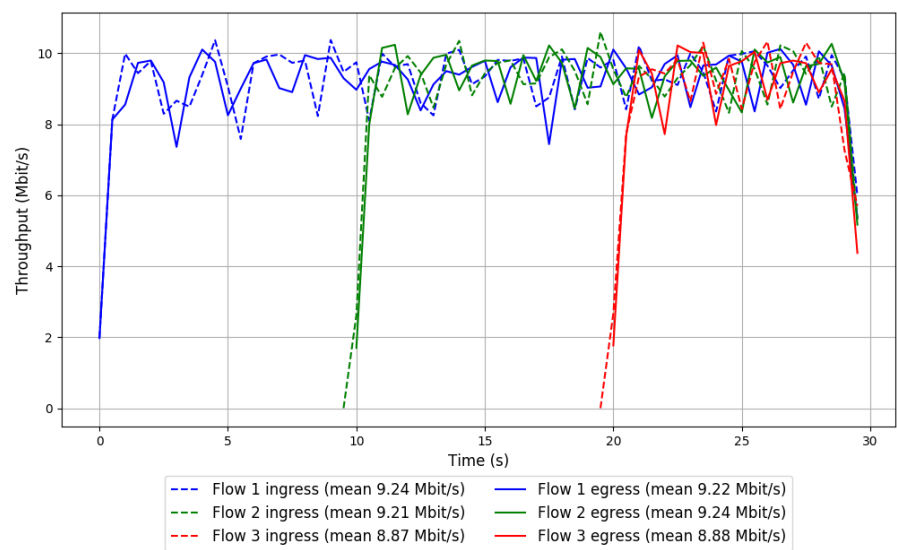


Run 1: Statistics of Sprout

Start at: 2017-08-11 05:34:50
End at: 2017-08-11 05:35:20
Local clock offset: 0.854 ms
Remote clock offset: -2.378 ms

Below is generated by plot.py at 2017-08-11 13:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 46.837 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 46.611 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 47.212 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 46.724 ms
Loss rate: 0.87%

Run 1: Report of Sprout — Data Link

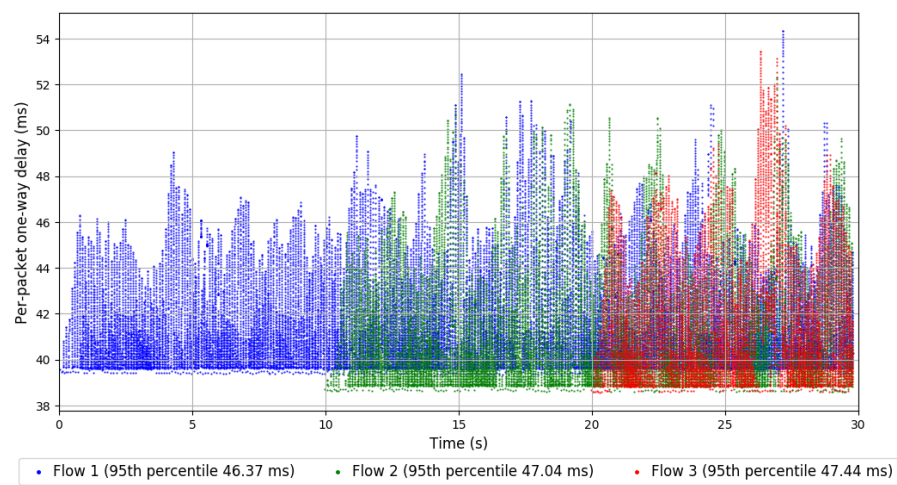
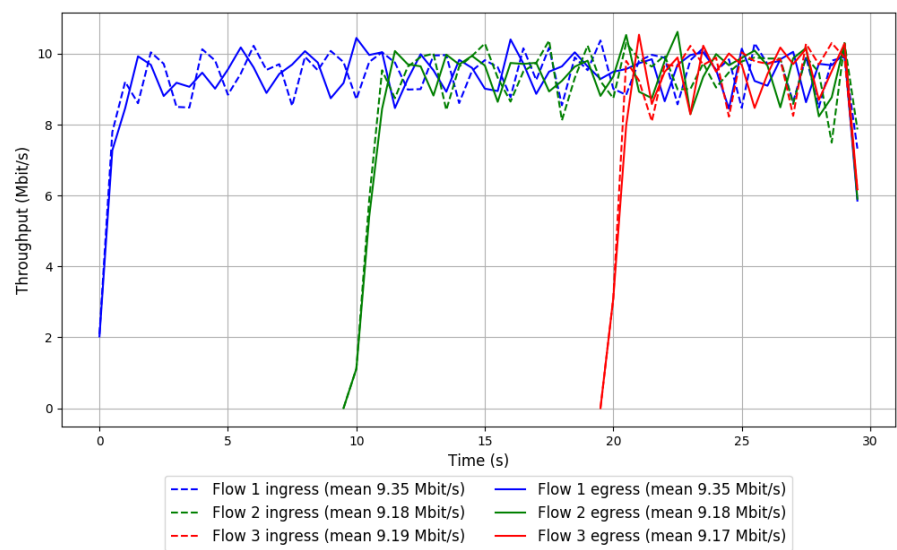


Run 2: Statistics of Sprout

Start at: 2017-08-11 05:56:04
End at: 2017-08-11 05:56:34
Local clock offset: 0.895 ms
Remote clock offset: -2.238 ms

Below is generated by plot.py at 2017-08-11 13:12:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 46.794 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 46.373 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 47.039 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 47.442 ms
Loss rate: 0.93%

Run 2: Report of Sprout — Data Link

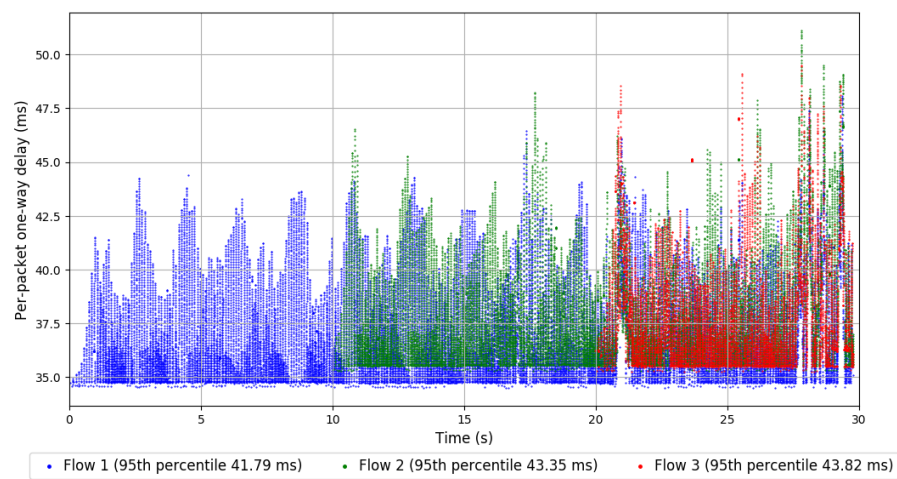
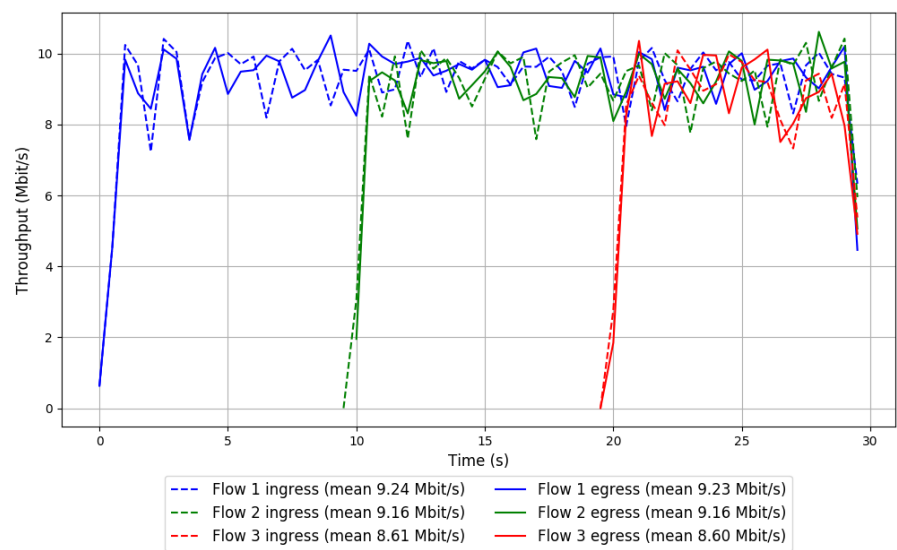


Run 3: Statistics of Sprout

Start at: 2017-08-11 06:17:11
End at: 2017-08-11 06:17:41
Local clock offset: 0.866 ms
Remote clock offset: 2.31 ms

```
# Below is generated by plot.py at 2017-08-11 13:12:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 42.569 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 41.786 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 43.351 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 43.818 ms
Loss rate: 0.96%
```

Run 3: Report of Sprout — Data Link

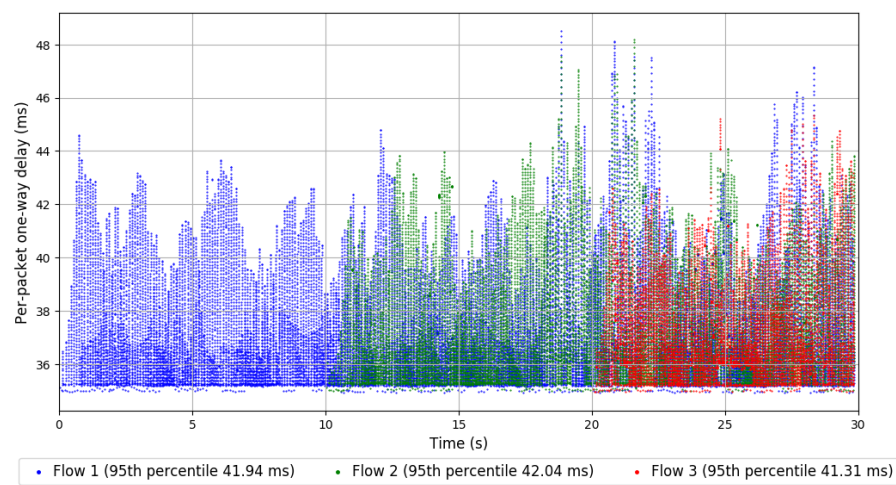
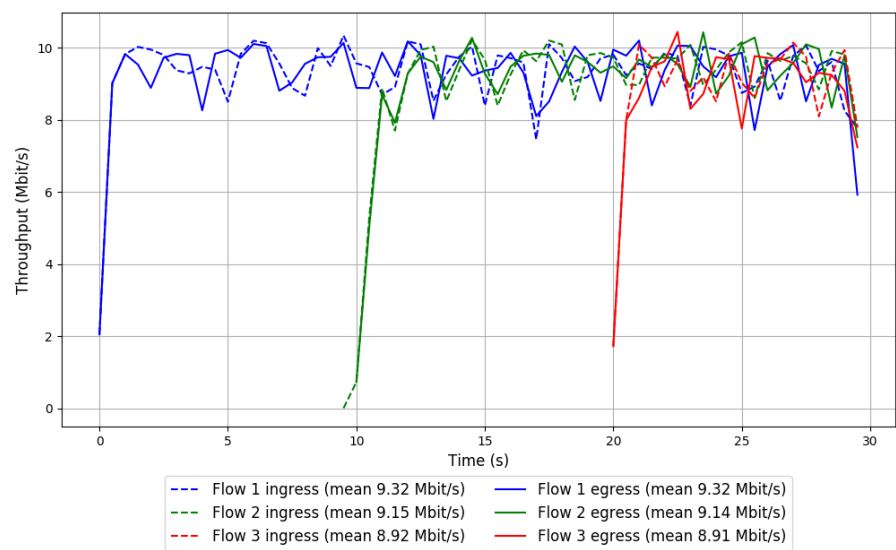


Run 4: Statistics of Sprout

Start at: 2017-08-11 06:38:05
End at: 2017-08-11 06:38:35
Local clock offset: 0.426 ms
Remote clock offset: 2.704 ms

```
# Below is generated by plot.py at 2017-08-11 13:12:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 41.878 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 41.936 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 41.308 ms
Loss rate: 1.08%
```


Run 4: Report of Sprout — Data Link

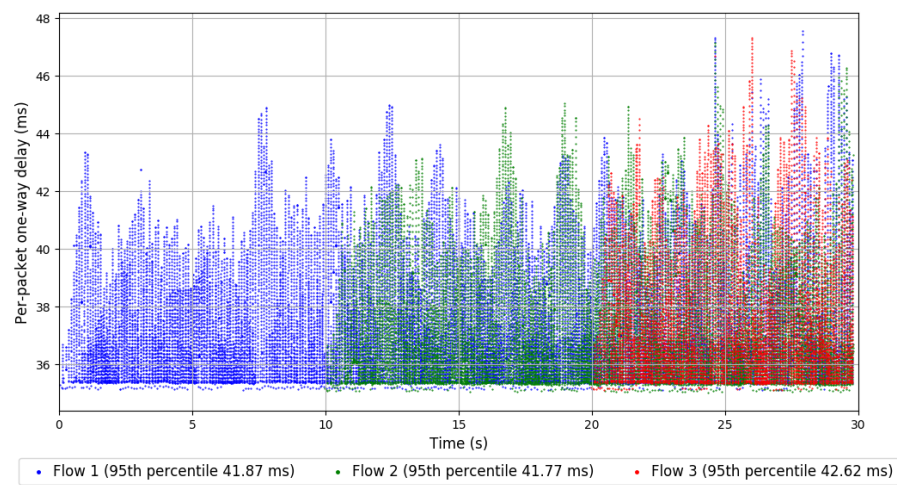
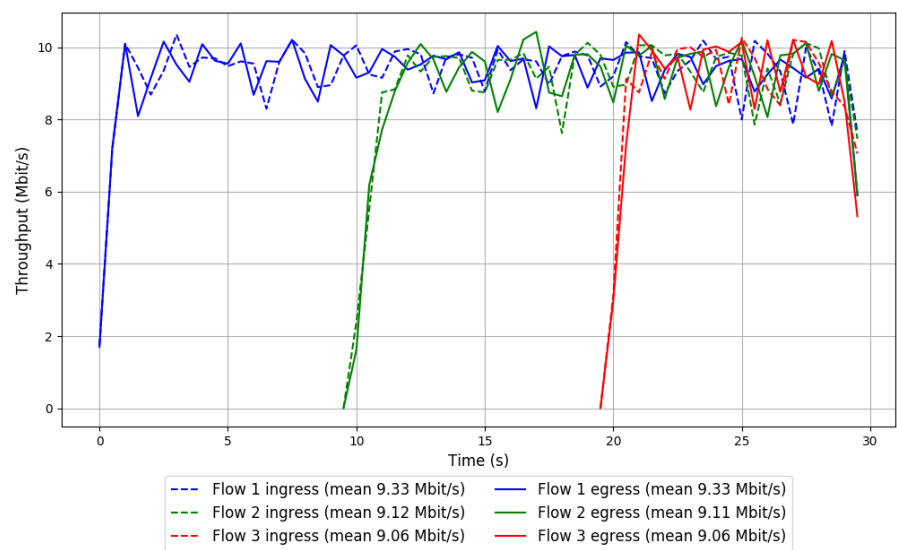


Run 5: Statistics of Sprout

Start at: 2017-08-11 06:59:01
End at: 2017-08-11 06:59:31
Local clock offset: 0.476 ms
Remote clock offset: 2.67 ms

```
# Below is generated by plot.py at 2017-08-11 13:12:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 41.988 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 41.871 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 41.768 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 42.621 ms
Loss rate: 0.97%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-08-11 07:20:01

End at: 2017-08-11 07:20:31

Local clock offset: 0.391 ms

Remote clock offset: 2.661 ms

Below is generated by plot.py at 2017-08-11 13:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.35 Mbit/s

95th percentile per-packet one-way delay: 42.497 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 42.685 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 9.24 Mbit/s

95th percentile per-packet one-way delay: 42.057 ms

Loss rate: 0.47%

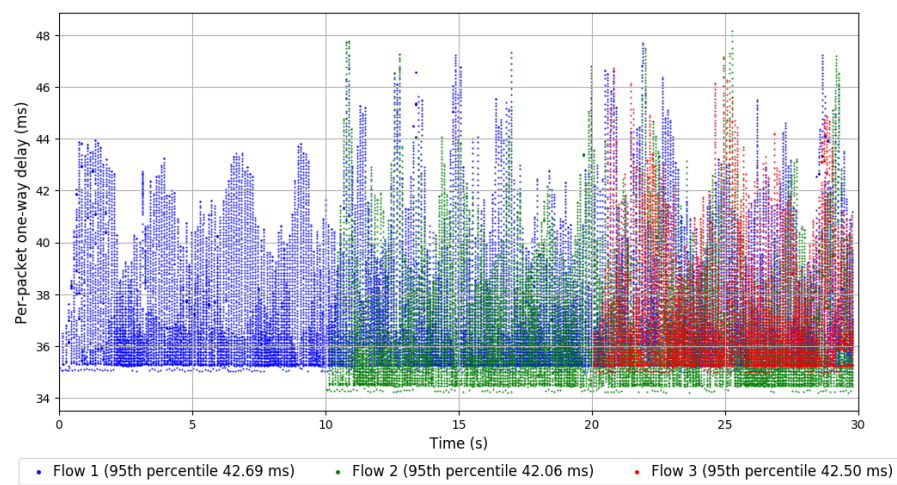
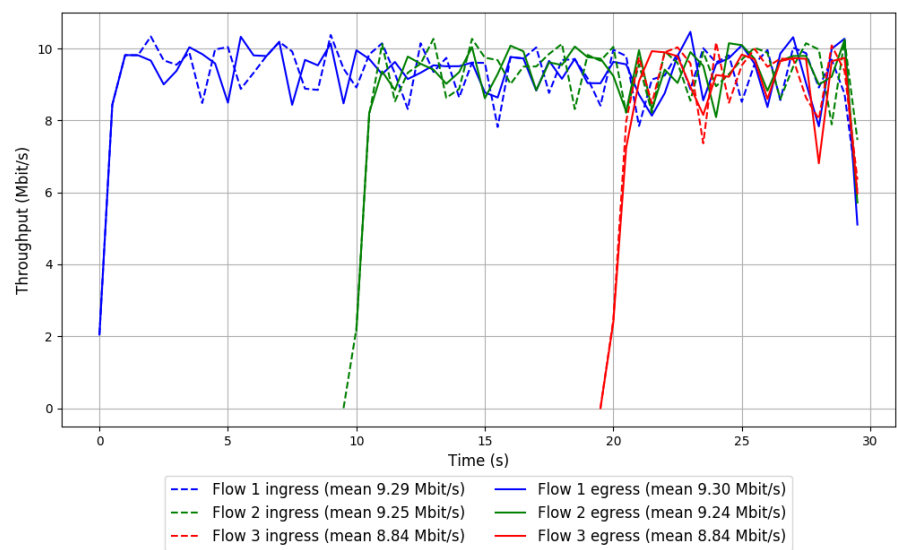
-- Flow 3:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 42.503 ms

Loss rate: 1.05%

Run 6: Report of Sprout — Data Link

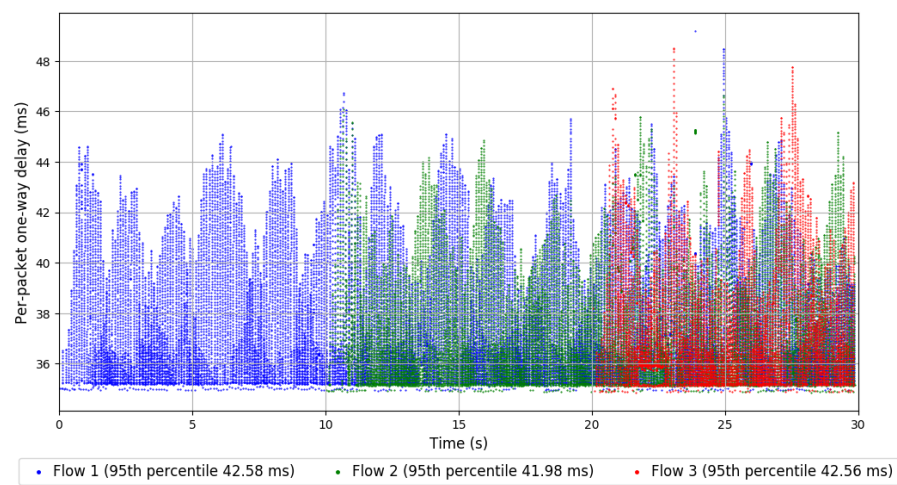
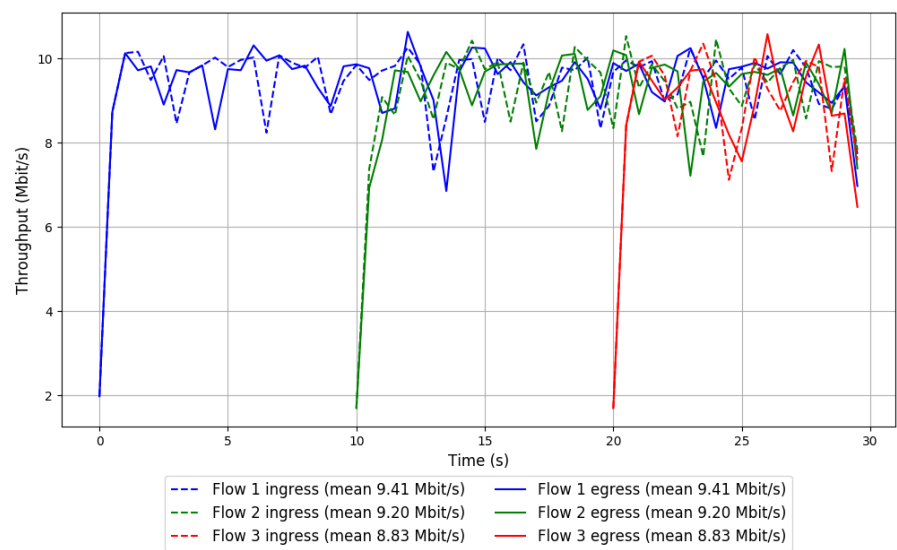


Run 7: Statistics of Sprout

Start at: 2017-08-11 07:41:07
End at: 2017-08-11 07:41:37
Local clock offset: 0.383 ms
Remote clock offset: 2.649 ms

```
# Below is generated by plot.py at 2017-08-11 13:12:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 42.426 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 42.581 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 41.983 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 42.557 ms
Loss rate: 1.11%
```

Run 7: Report of Sprout — Data Link

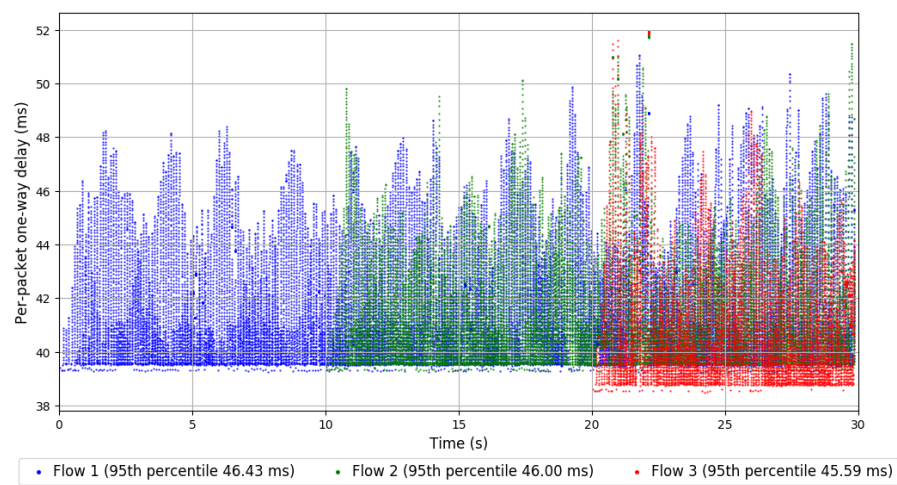
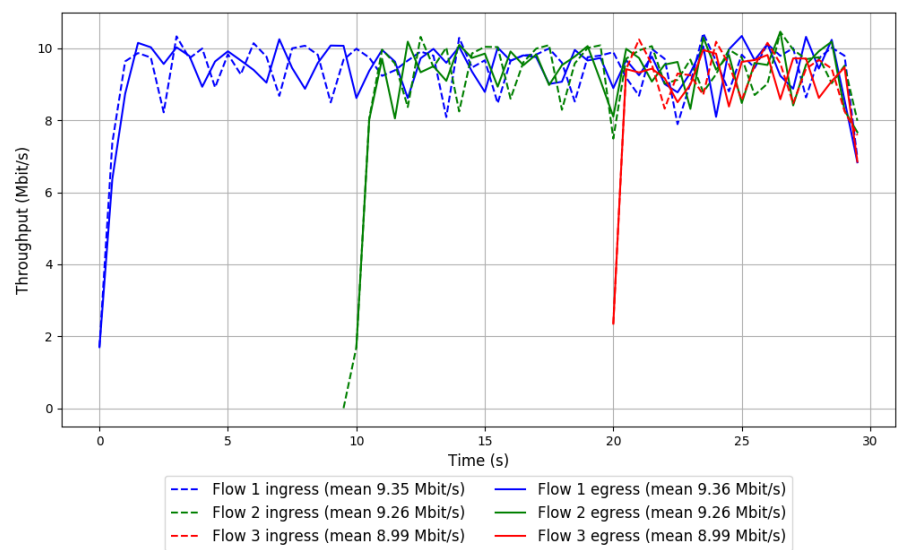


Run 8: Statistics of Sprout

Start at: 2017-08-11 08:02:15
End at: 2017-08-11 08:02:45
Local clock offset: 0.447 ms
Remote clock offset: -1.859 ms

```
# Below is generated by plot.py at 2017-08-11 13:12:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 46.215 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 46.427 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 46.003 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 45.589 ms
Loss rate: 0.57%
```


Run 8: Report of Sprout — Data Link

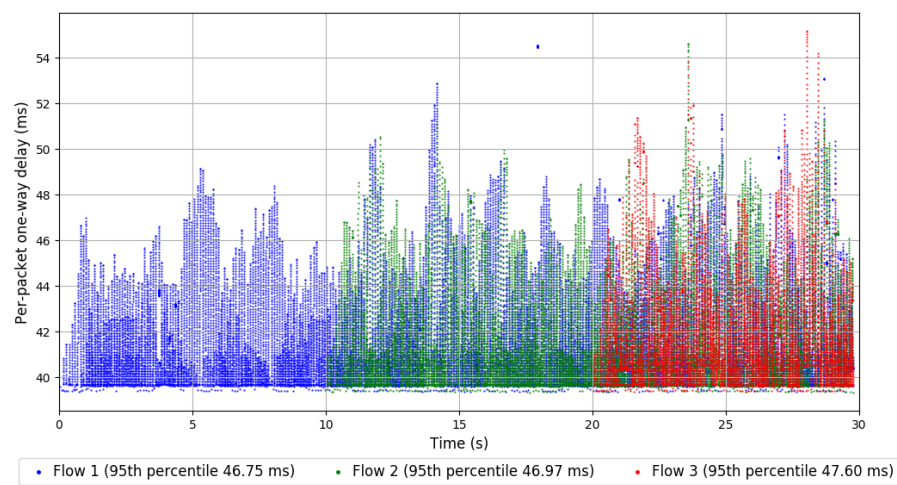
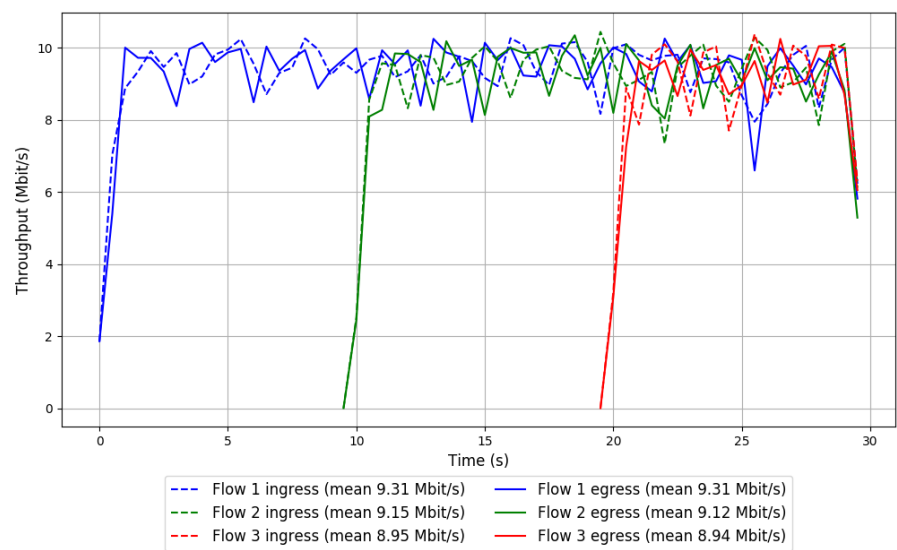


Run 9: Statistics of Sprout

Start at: 2017-08-11 08:23:20
End at: 2017-08-11 08:23:50
Local clock offset: 0.341 ms
Remote clock offset: -2.083 ms

Below is generated by plot.py at 2017-08-11 13:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 46.957 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 46.748 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 46.974 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 47.600 ms
Loss rate: 1.06%

Run 9: Report of Sprout — Data Link

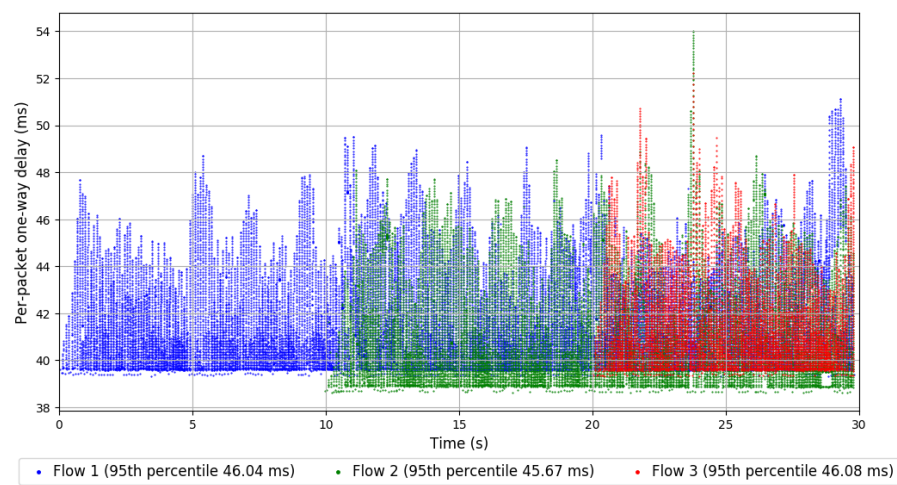
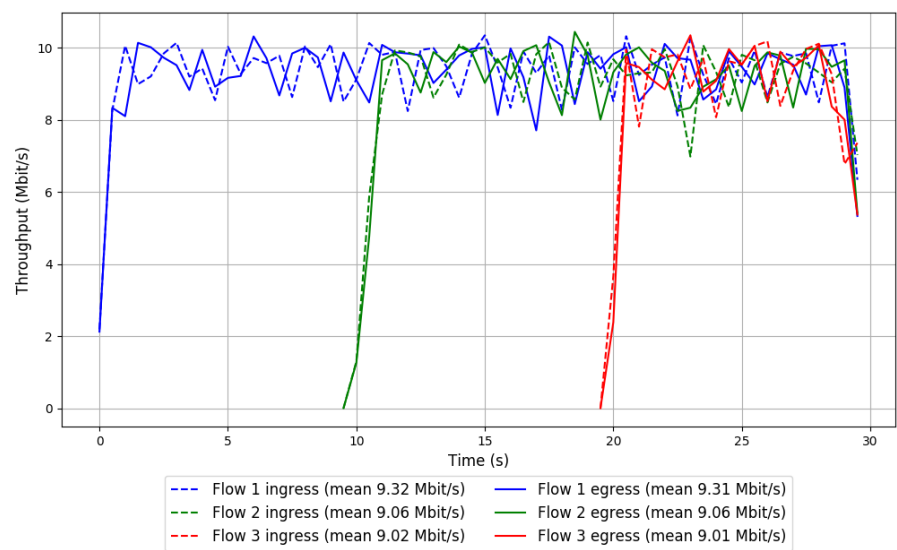


Run 10: Statistics of Sprout

Start at: 2017-08-11 08:44:22
End at: 2017-08-11 08:44:52
Local clock offset: 0.127 ms
Remote clock offset: -2.139 ms

Below is generated by plot.py at 2017-08-11 13:12:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 45.913 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 46.044 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 45.668 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 1.12%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-08-11 05:36:11

End at: 2017-08-11 05:36:41

Local clock offset: 0.852 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2017-08-11 13:12:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 75.052 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 55.36 Mbit/s

95th percentile per-packet one-way delay: 56.362 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 75.430 ms

Loss rate: 0.41%

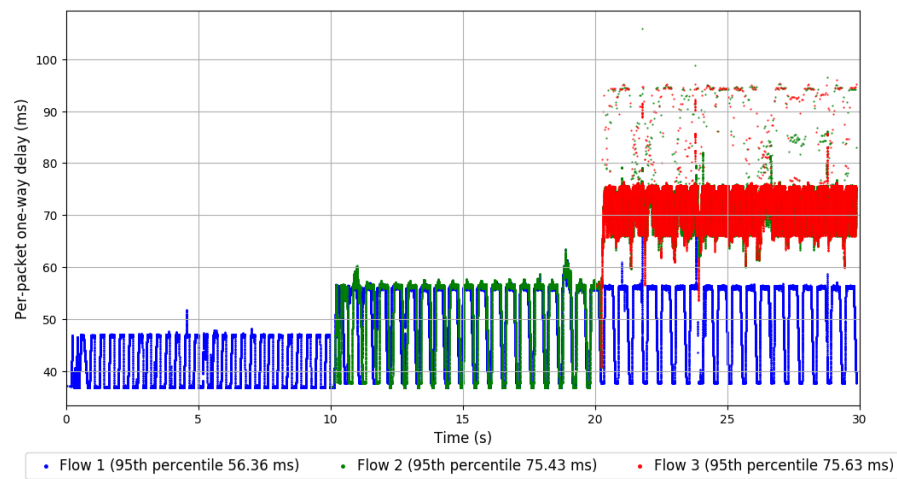
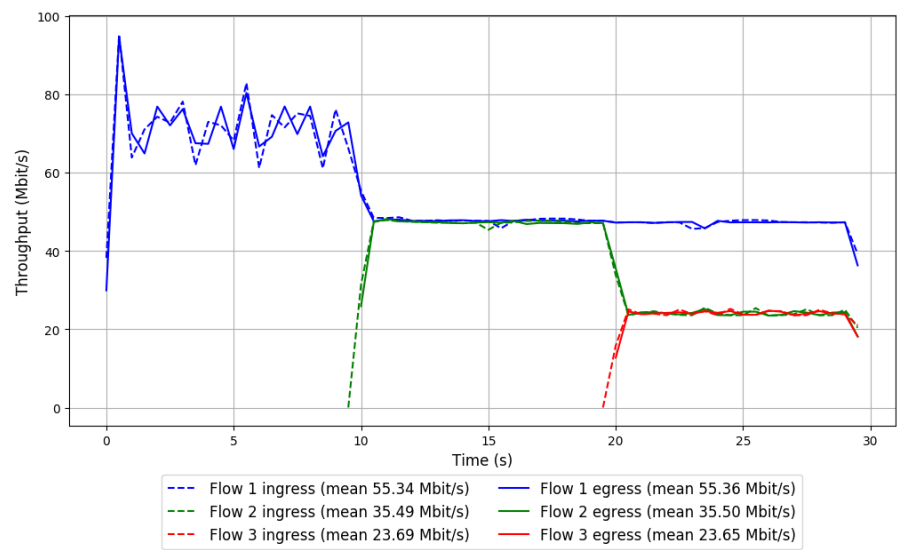
-- Flow 3:

Average throughput: 23.65 Mbit/s

95th percentile per-packet one-way delay: 75.630 ms

Loss rate: 1.37%

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

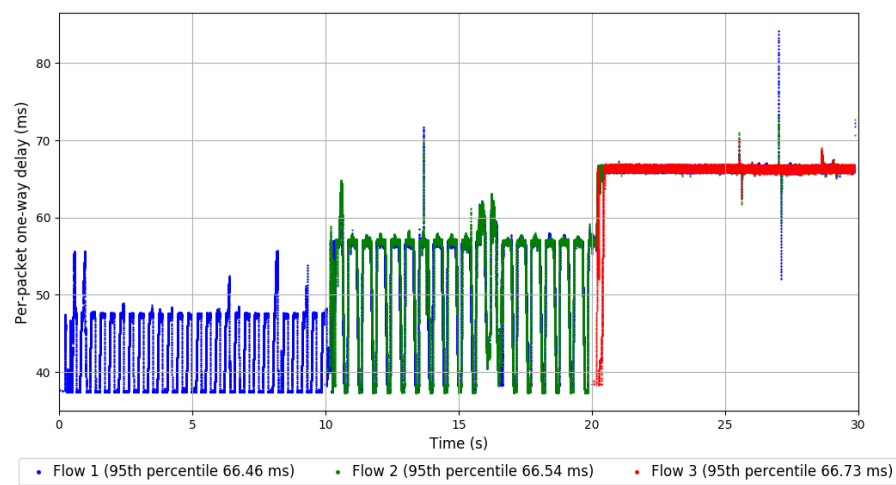
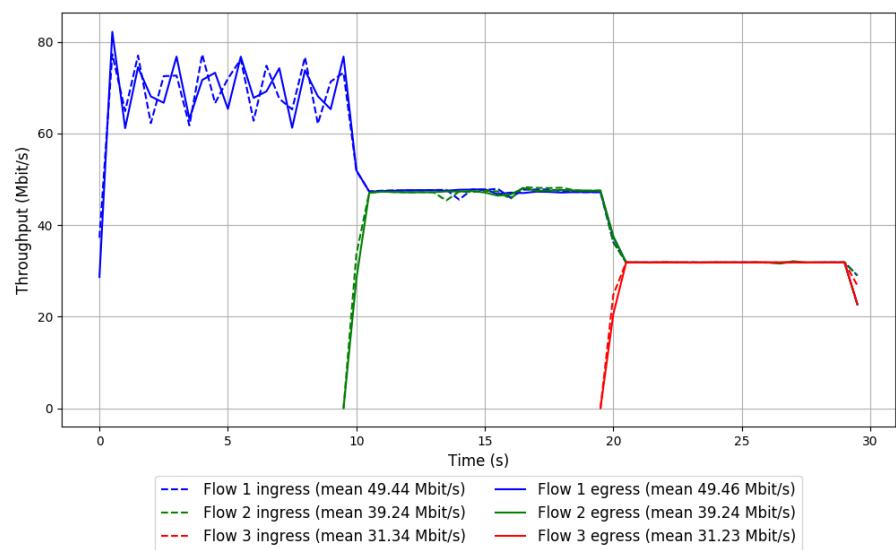


Run 2: Statistics of TaoVA-100x

Start at: 2017-08-11 05:57:25
End at: 2017-08-11 05:57:55
Local clock offset: 0.798 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2017-08-11 13:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 66.586 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 66.461 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 66.543 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 66.726 ms
Loss rate: 1.34%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-08-11 06:18:31

End at: 2017-08-11 06:19:02

Local clock offset: 9.625 ms

Remote clock offset: 2.337 ms

Below is generated by plot.py at 2017-08-11 13:13:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 82.392 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 47.17 Mbit/s

95th percentile per-packet one-way delay: 82.213 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 82.691 ms

Loss rate: 0.39%

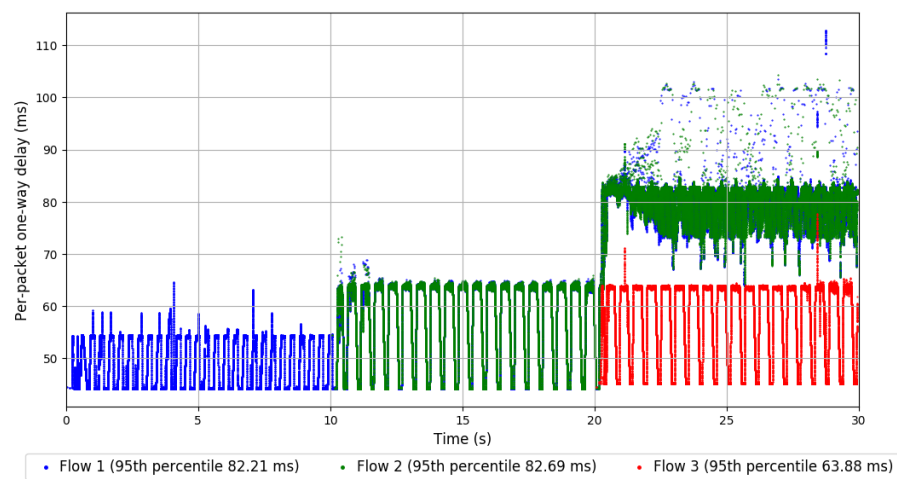
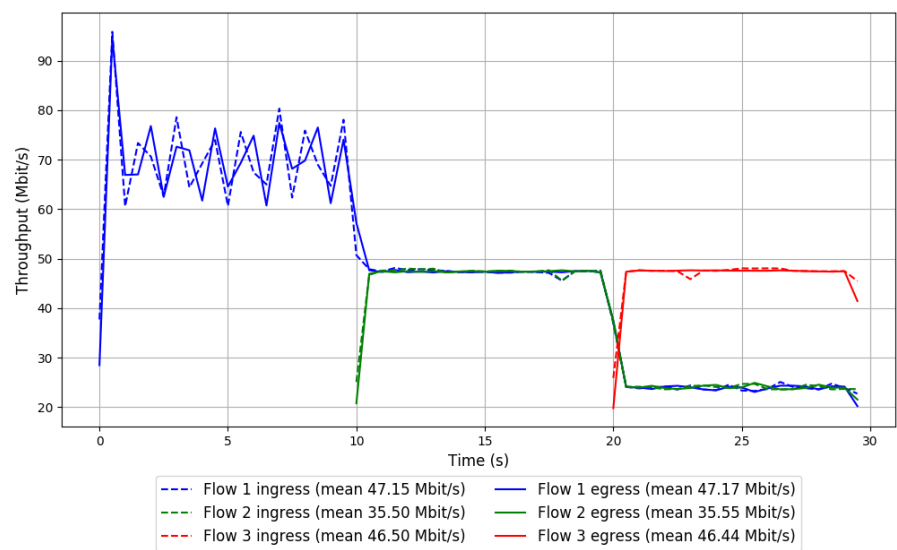
-- Flow 3:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 63.882 ms

Loss rate: 1.10%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-08-11 06:39:25

End at: 2017-08-11 06:39:55

Local clock offset: 0.409 ms

Remote clock offset: 2.684 ms

Below is generated by plot.py at 2017-08-11 13:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 72.676 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 72.907 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.80 Mbit/s

95th percentile per-packet one-way delay: 72.806 ms

Loss rate: 0.57%

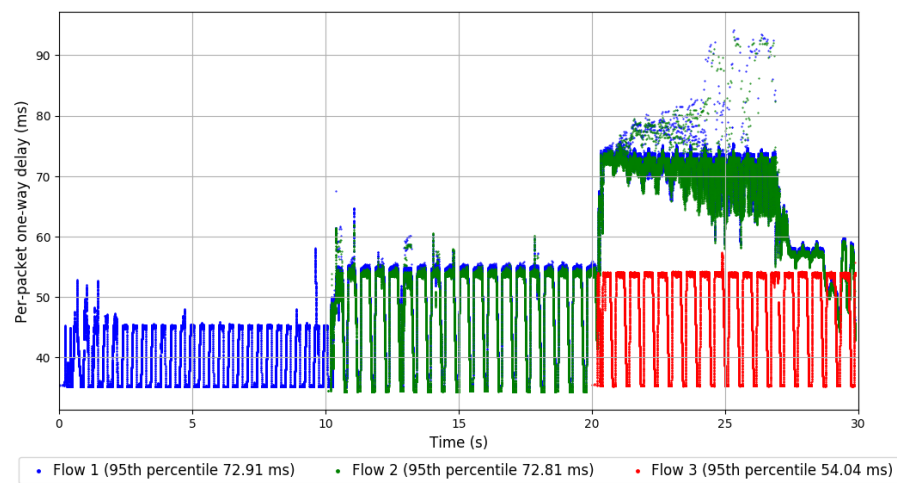
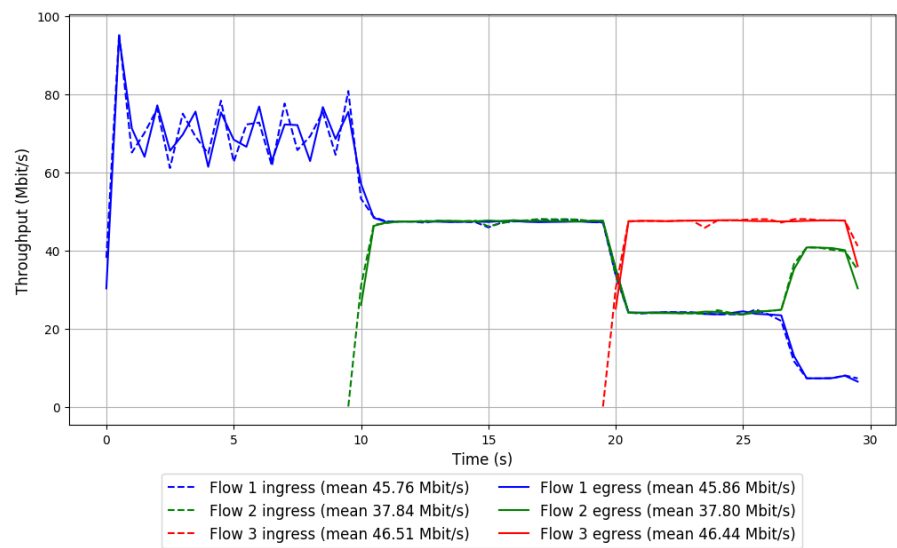
-- Flow 3:

Average throughput: 46.44 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 1.10%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-08-11 07:00:22

End at: 2017-08-11 07:00:52

Local clock offset: 0.377 ms

Remote clock offset: 2.641 ms

Below is generated by plot.py at 2017-08-11 13:13:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.06 Mbit/s

95th percentile per-packet one-way delay: 64.426 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 49.76 Mbit/s

95th percentile per-packet one-way delay: 64.277 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 39.25 Mbit/s

95th percentile per-packet one-way delay: 64.289 ms

Loss rate: 0.52%

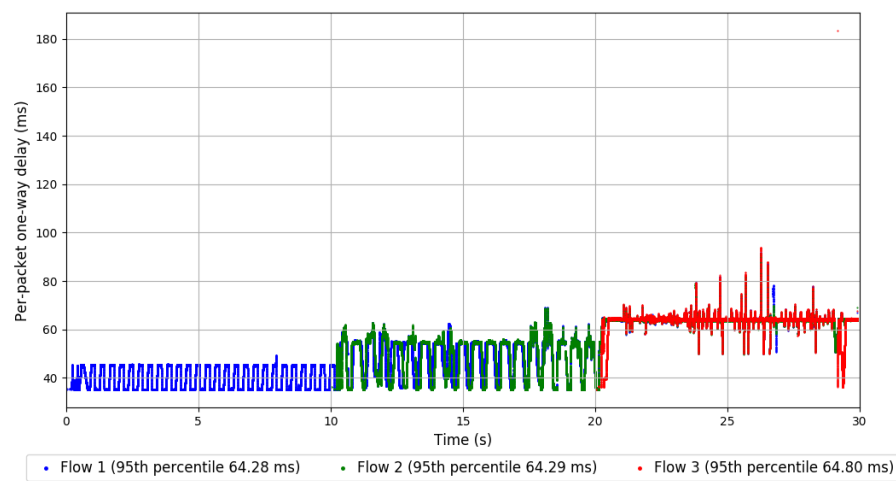
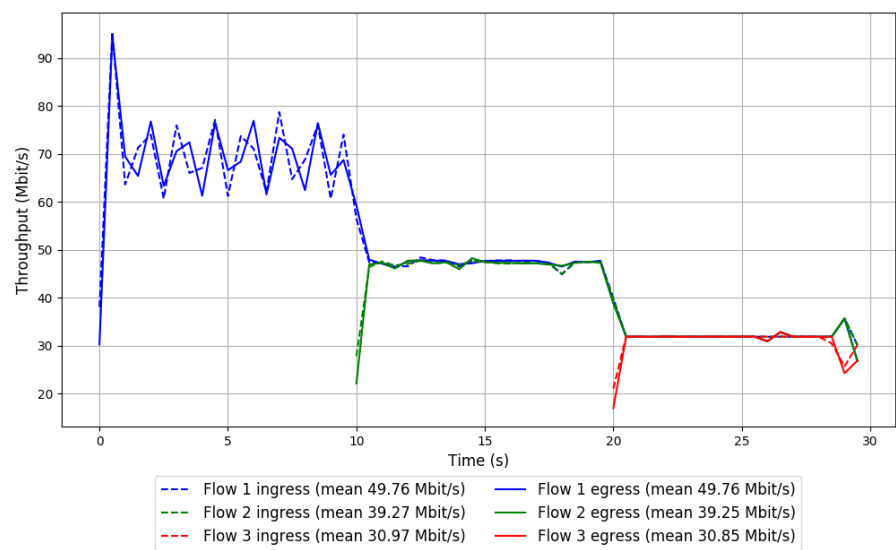
-- Flow 3:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 64.795 ms

Loss rate: 1.19%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-08-11 07:21:21

End at: 2017-08-11 07:21:51

Local clock offset: 0.402 ms

Remote clock offset: 2.723 ms

Below is generated by plot.py at 2017-08-11 13:13:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 73.209 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 54.93 Mbit/s

95th percentile per-packet one-way delay: 53.999 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 35.57 Mbit/s

95th percentile per-packet one-way delay: 73.529 ms

Loss rate: 0.40%

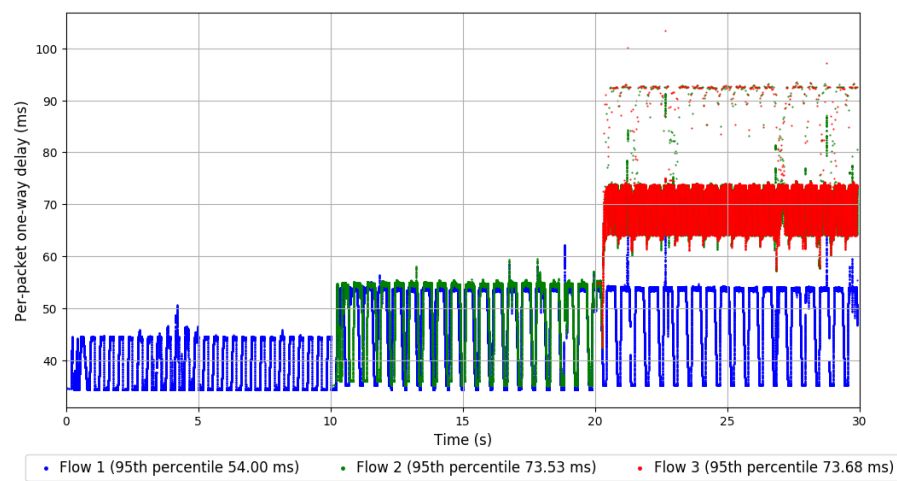
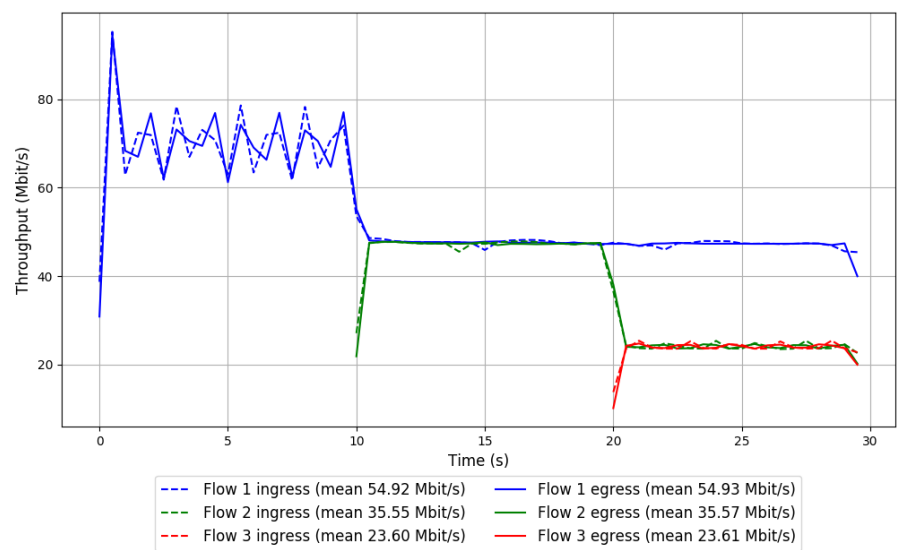
-- Flow 3:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 73.676 ms

Loss rate: 1.37%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-08-11 07:42:27

End at: 2017-08-11 07:42:57

Local clock offset: 0.366 ms

Remote clock offset: 2.633 ms

Below is generated by plot.py at 2017-08-11 13:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 64.346 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 49.79 Mbit/s

95th percentile per-packet one-way delay: 64.394 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 64.071 ms

Loss rate: 0.67%

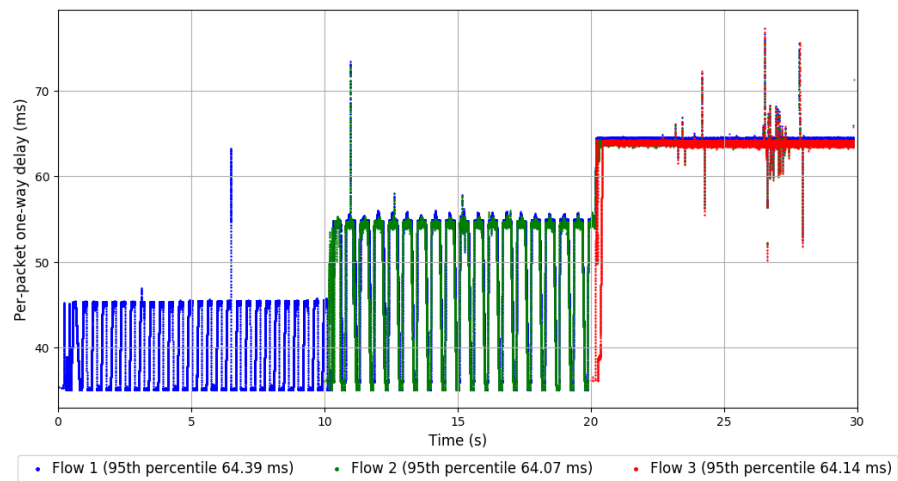
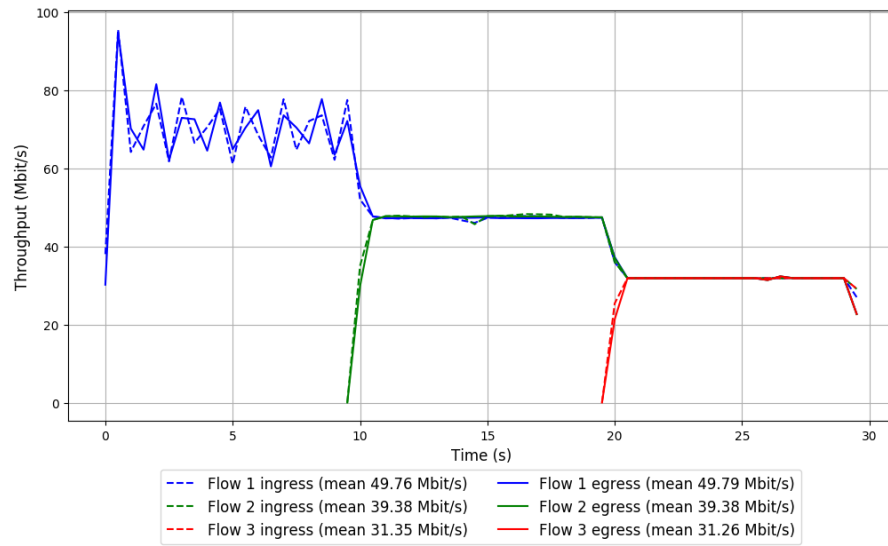
-- Flow 3:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 64.142 ms

Loss rate: 1.68%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-08-11 08:03:35

End at: 2017-08-11 08:04:05

Local clock offset: 0.372 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2017-08-11 13:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 75.616 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 57.092 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 75.901 ms

Loss rate: 0.47%

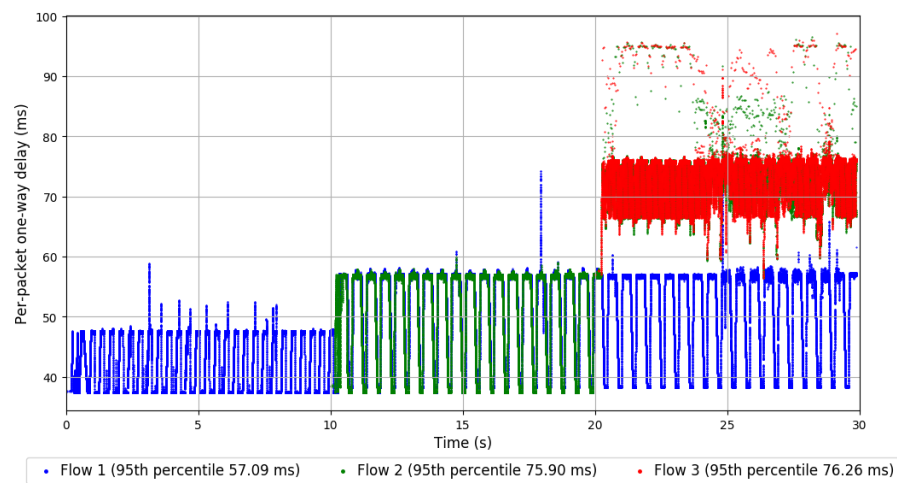
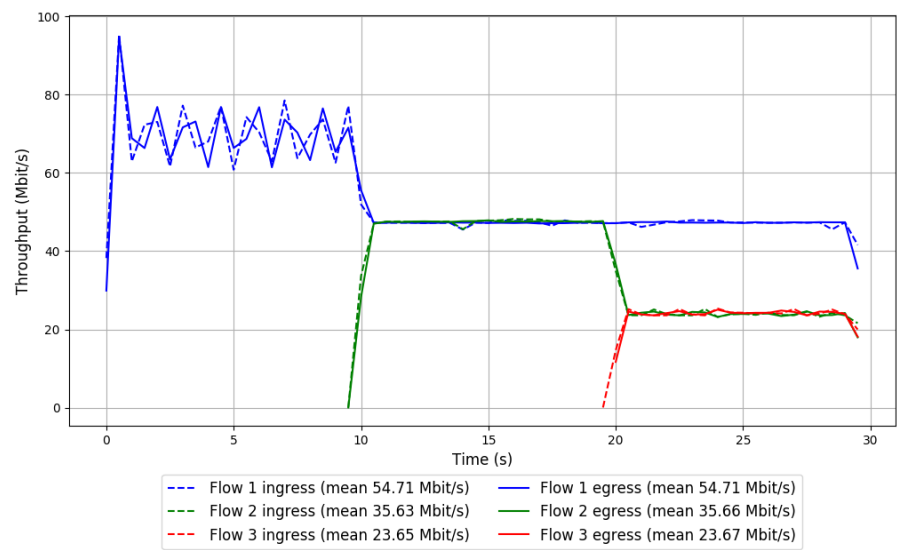
-- Flow 3:

Average throughput: 23.67 Mbit/s

95th percentile per-packet one-way delay: 76.260 ms

Loss rate: 1.16%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-08-11 08:24:41

End at: 2017-08-11 08:25:11

Local clock offset: 0.282 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2017-08-11 13:14:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 74.933 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 56.390 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 35.69 Mbit/s

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

Loss rate: 0.45%

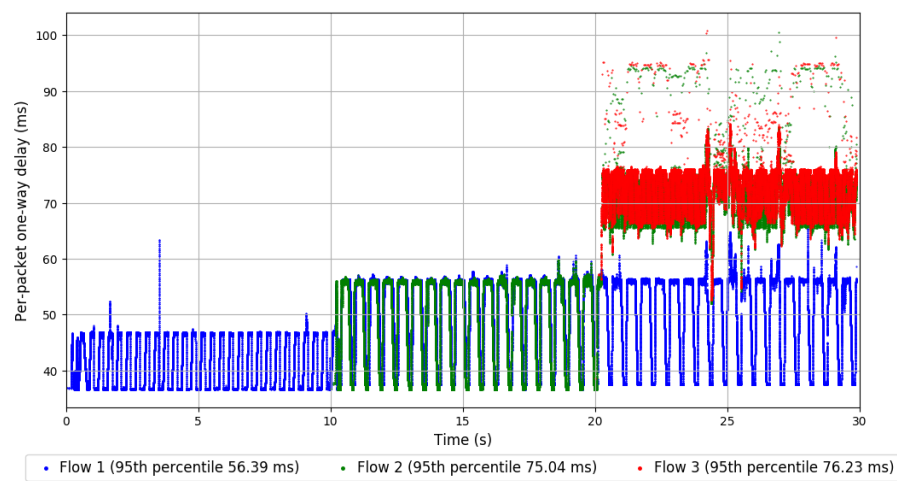
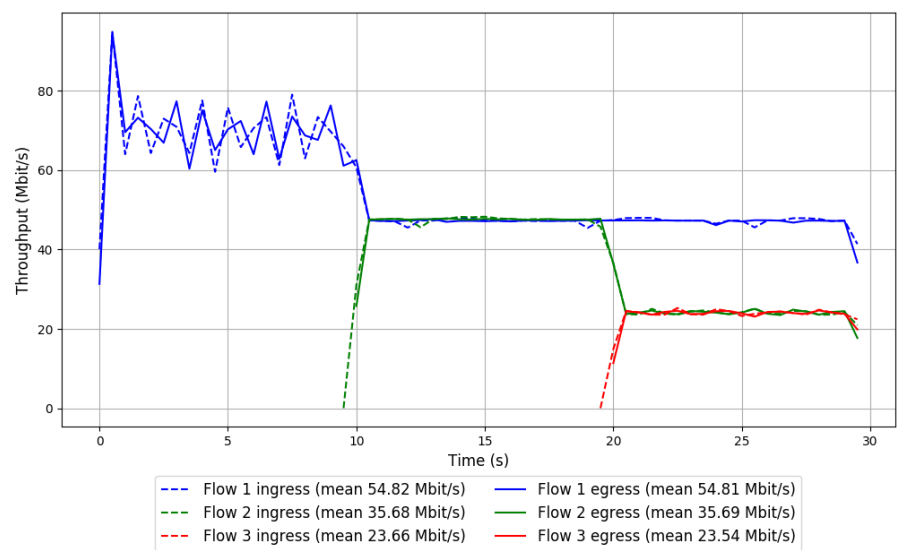
-- Flow 3:

Average throughput: 23.54 Mbit/s

95th percentile per-packet one-way delay: 76.230 ms

Loss rate: 1.35%

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

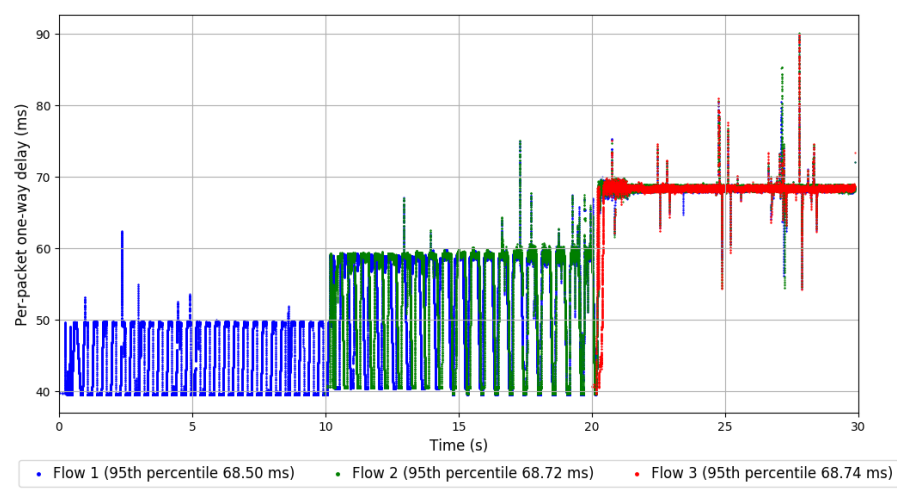
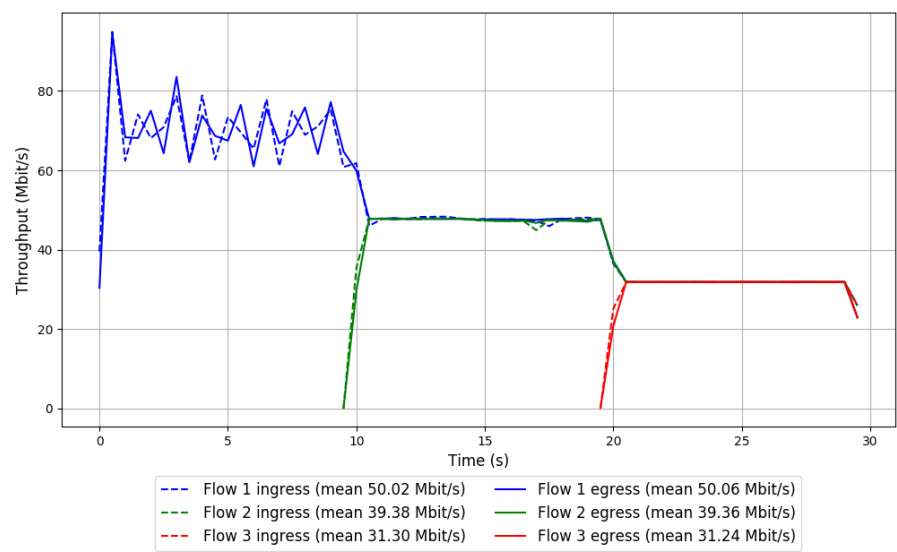


Run 10: Statistics of TaoVA-100x

Start at: 2017-08-11 08:45:43
End at: 2017-08-11 08:46:13
Local clock offset: 0.253 ms
Remote clock offset: -1.988 ms

Below is generated by plot.py at 2017-08-11 13:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 68.660 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 68.499 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 68.717 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 68.737 ms
Loss rate: 1.19%

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

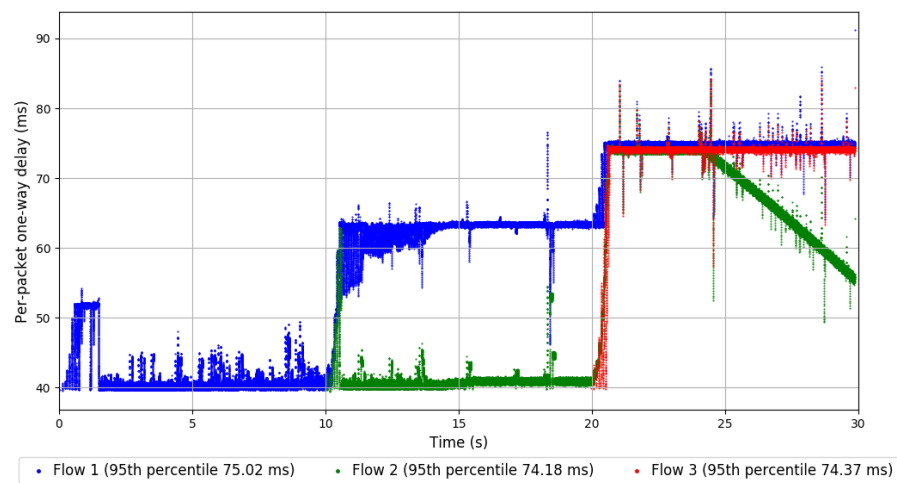
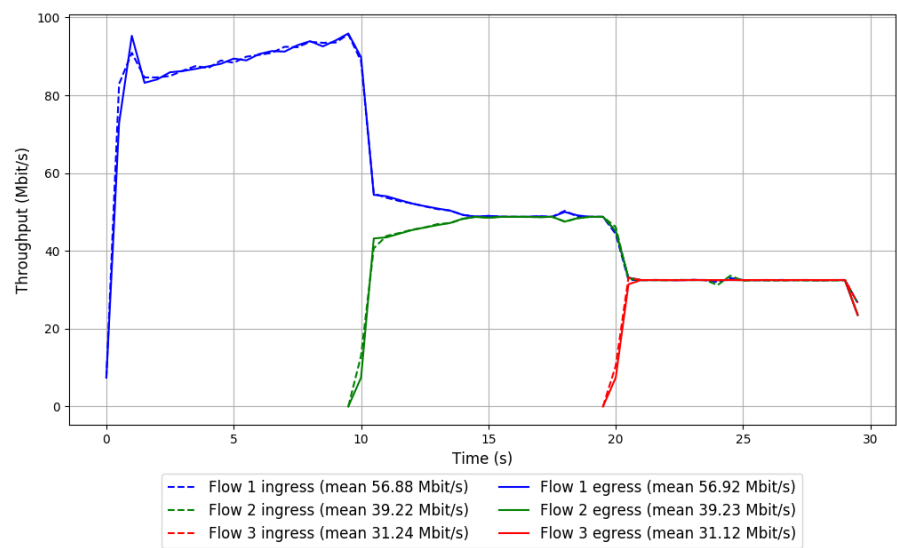


Run 1: Statistics of TCP Vegas

Start at: 2017-08-11 05:33:25
End at: 2017-08-11 05:33:55
Local clock offset: 0.937 ms
Remote clock offset: -2.372 ms

Below is generated by plot.py at 2017-08-11 13:14:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 74.866 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 75.016 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 74.181 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 74.368 ms
Loss rate: 1.28%

Run 1: Report of TCP Vegas — Data Link

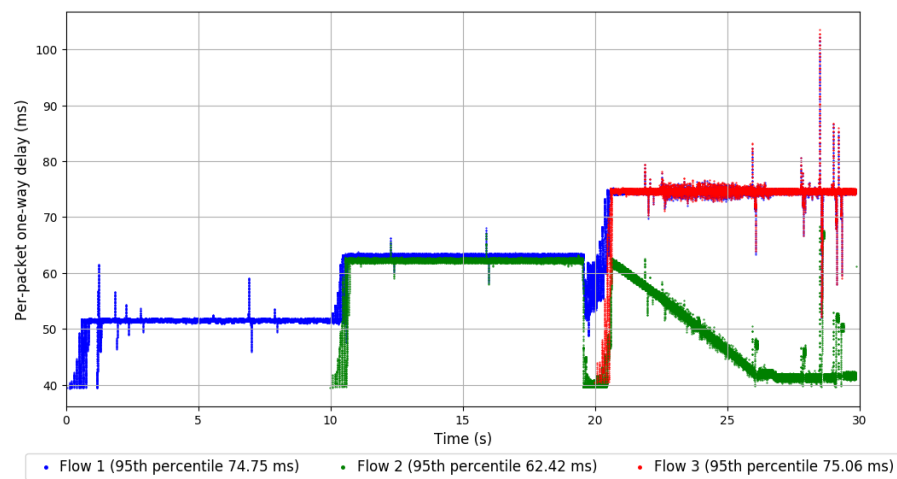
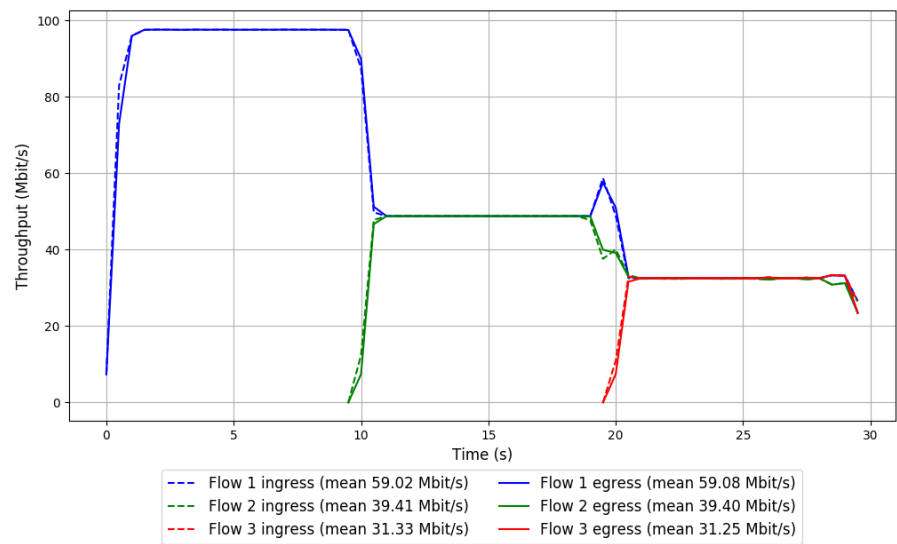


Run 2: Statistics of TCP Vegas

Start at: 2017-08-11 05:54:37
End at: 2017-08-11 05:55:07
Local clock offset: 0.808 ms
Remote clock offset: -2.276 ms

Below is generated by plot.py at 2017-08-11 13:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 74.896 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 74.749 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 62.423 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 75.065 ms
Loss rate: 1.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-08-11 06:15:45

End at: 2017-08-11 06:16:15

Local clock offset: 0.58 ms

Remote clock offset: 2.289 ms

Below is generated by plot.py at 2017-08-11 13:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 81.724 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 81.683 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 47.58 Mbit/s

95th percentile per-packet one-way delay: 59.158 ms

Loss rate: 0.57%

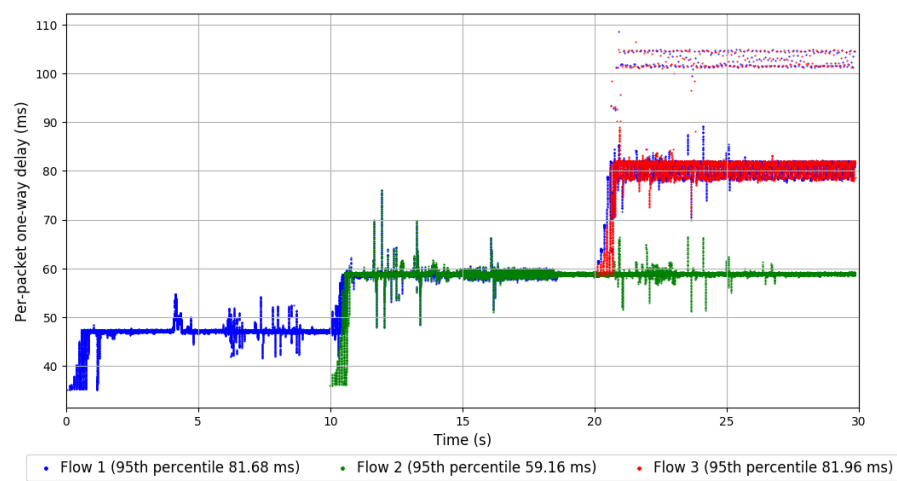
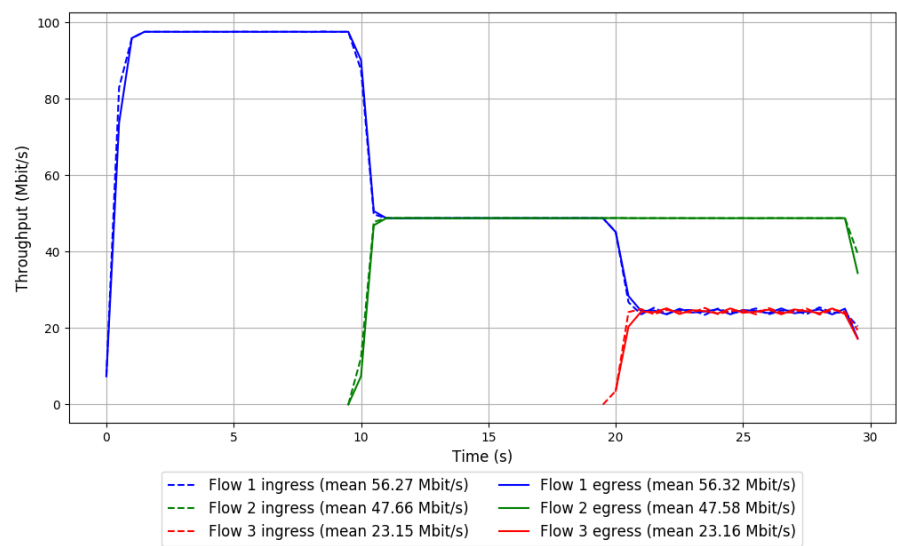
-- Flow 3:

Average throughput: 23.16 Mbit/s

95th percentile per-packet one-way delay: 81.959 ms

Loss rate: 1.39%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-08-11 06:36:40

End at: 2017-08-11 06:37:10

Local clock offset: 0.443 ms

Remote clock offset: 2.692 ms

Below is generated by plot.py at 2017-08-11 13:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 61.683 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 73.16 Mbit/s

95th percentile per-packet one-way delay: 62.802 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 60.425 ms

Loss rate: 0.18%

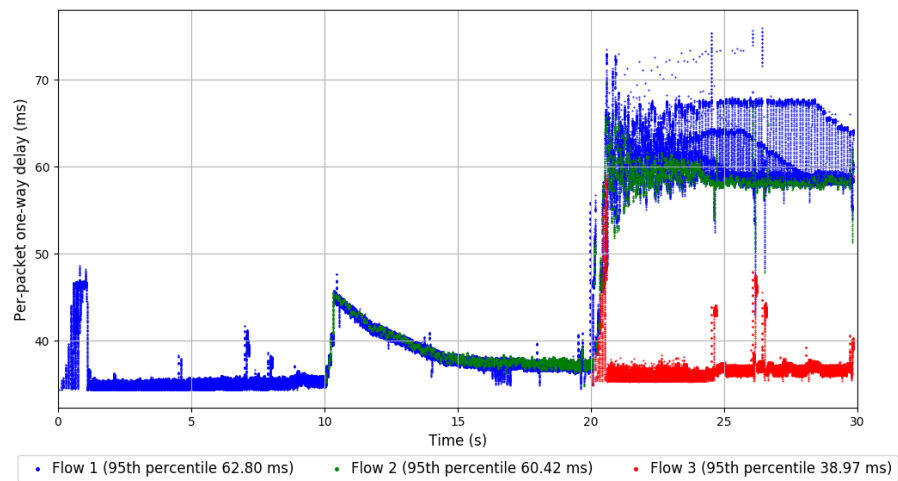
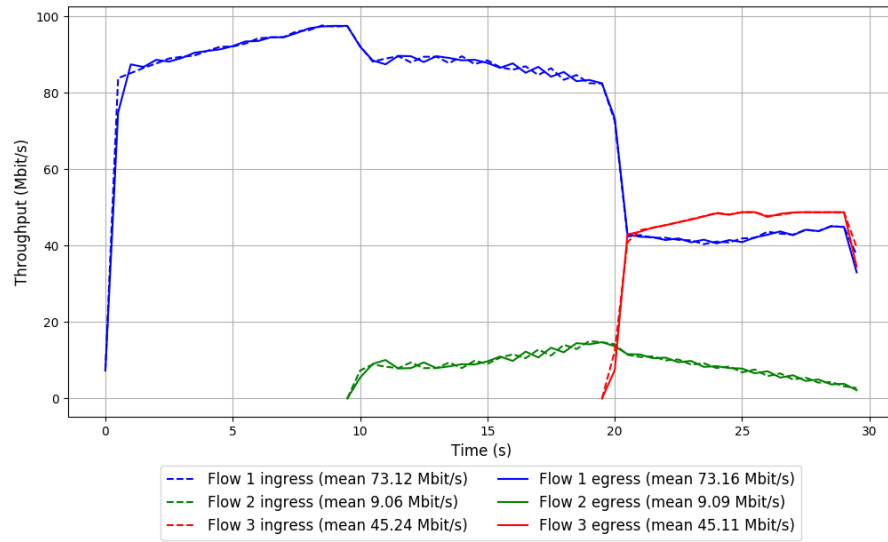
-- Flow 3:

Average throughput: 45.11 Mbit/s

95th percentile per-packet one-way delay: 38.971 ms

Loss rate: 0.95%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-08-11 06:57:38

End at: 2017-08-11 06:58:08

Local clock offset: 0.482 ms

Remote clock offset: 2.668 ms

Below is generated by plot.py at 2017-08-11 13:14:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 59.042 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 32.17 Mbit/s

95th percentile per-packet one-way delay: 47.224 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 21.39 Mbit/s

95th percentile per-packet one-way delay: 59.226 ms

Loss rate: 0.35%

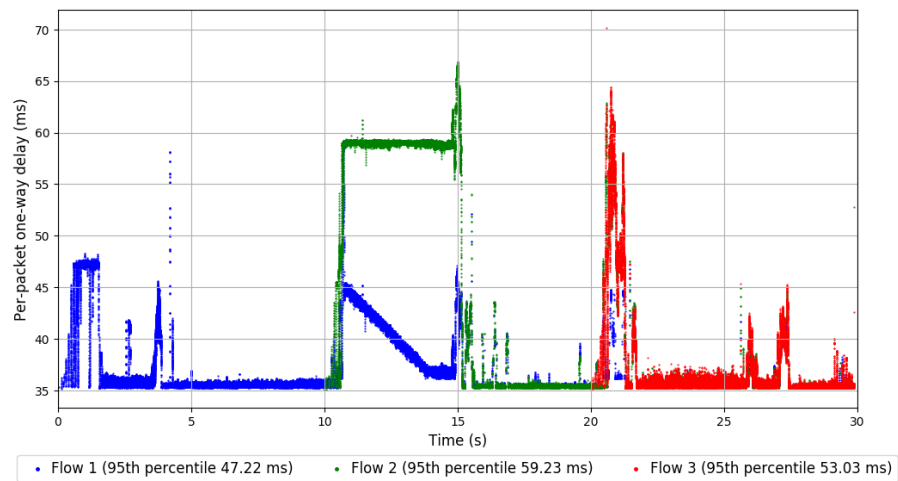
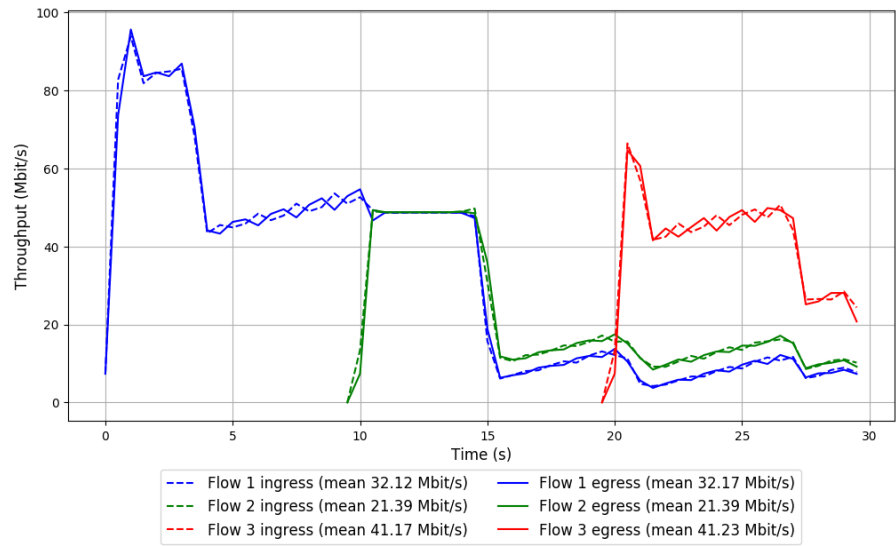
-- Flow 3:

Average throughput: 41.23 Mbit/s

95th percentile per-packet one-way delay: 53.033 ms

Loss rate: 0.71%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-08-11 07:18:38

End at: 2017-08-11 07:19:08

Local clock offset: 0.375 ms

Remote clock offset: 2.683 ms

Run 6: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Vegas

Start at: 2017-08-11 07:39:41

End at: 2017-08-11 07:40:11

Local clock offset: 0.379 ms

Remote clock offset: 2.578 ms

Below is generated by plot.py at 2017-08-11 13:14:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 70.372 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 69.781 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 39.90 Mbit/s

95th percentile per-packet one-way delay: 69.795 ms

Loss rate: 0.49%

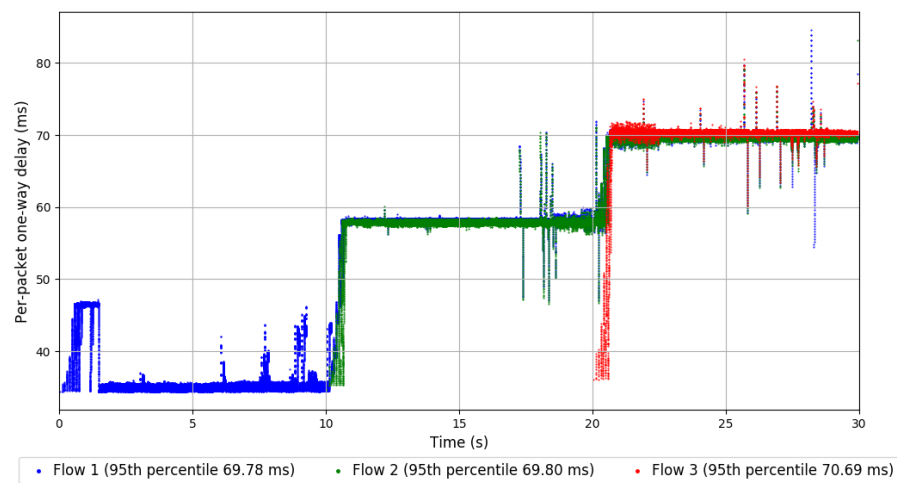
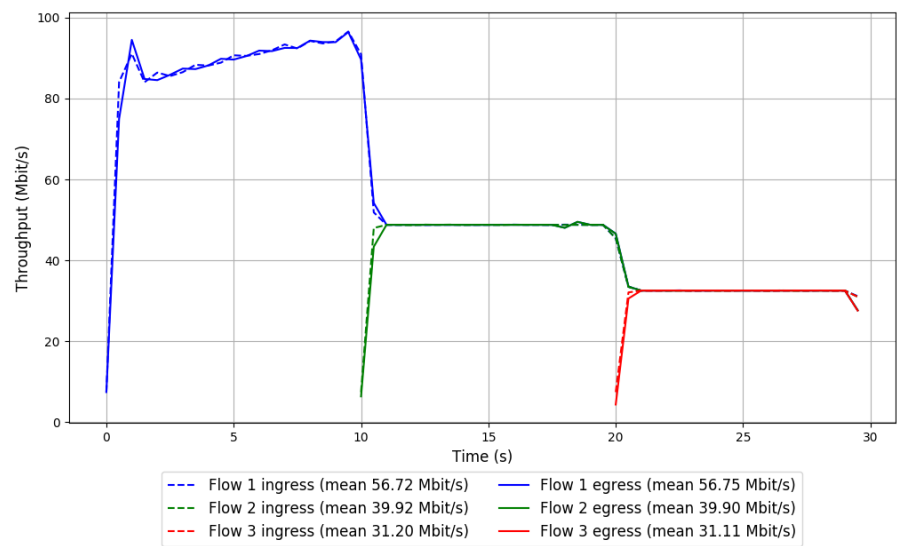
-- Flow 3:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 70.686 ms

Loss rate: 1.28%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-08-11 08:00:49

End at: 2017-08-11 08:01:19

Local clock offset: 0.453 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2017-08-11 13:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 66.986 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 68.216 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 47.57 Mbit/s

95th percentile per-packet one-way delay: 61.435 ms

Loss rate: 0.57%

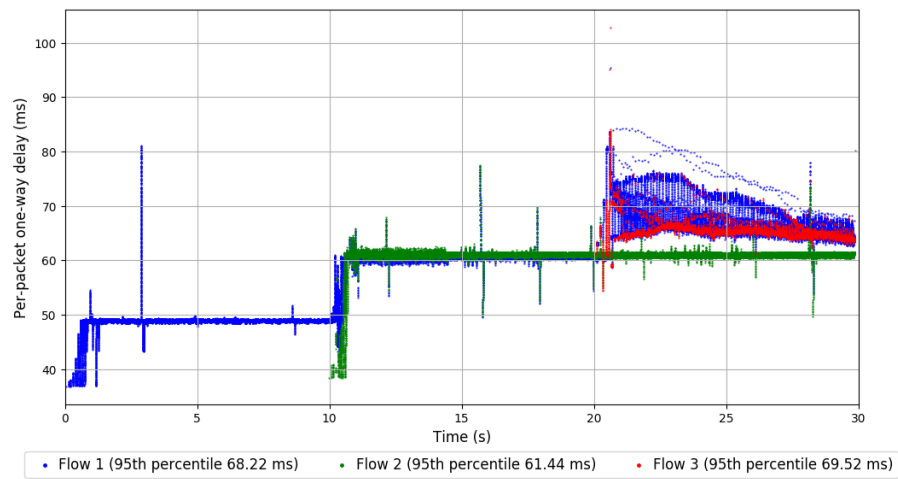
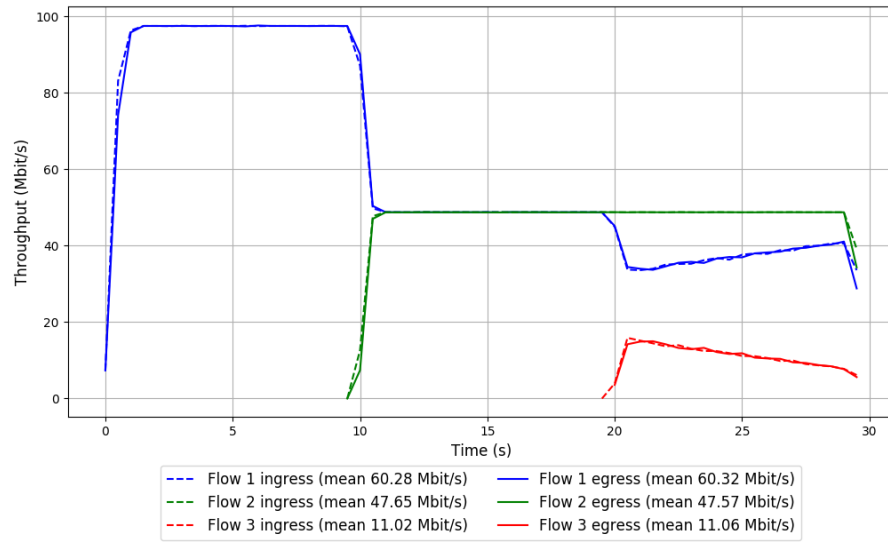
-- Flow 3:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 69.516 ms

Loss rate: 0.77%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-08-11 08:21:55

End at: 2017-08-11 08:22:25

Local clock offset: 0.265 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2017-08-11 13:14:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 61.221 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 61.239 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 61.022 ms

Loss rate: 0.36%

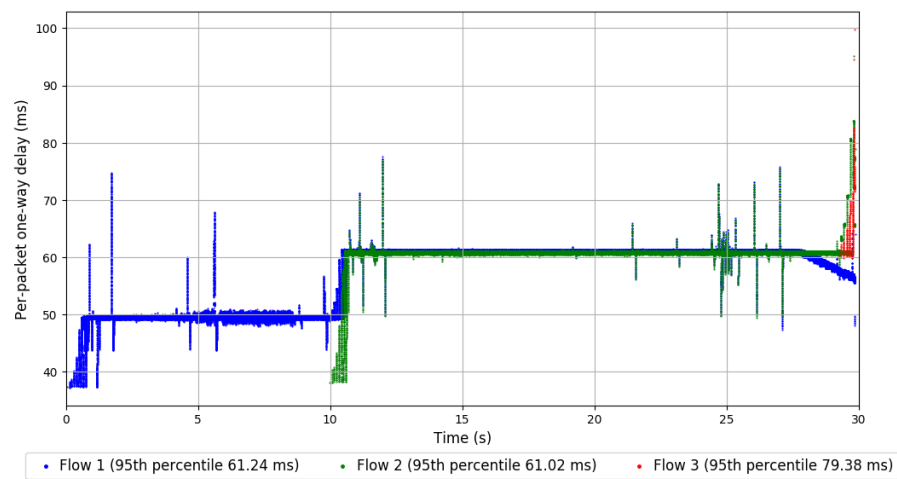
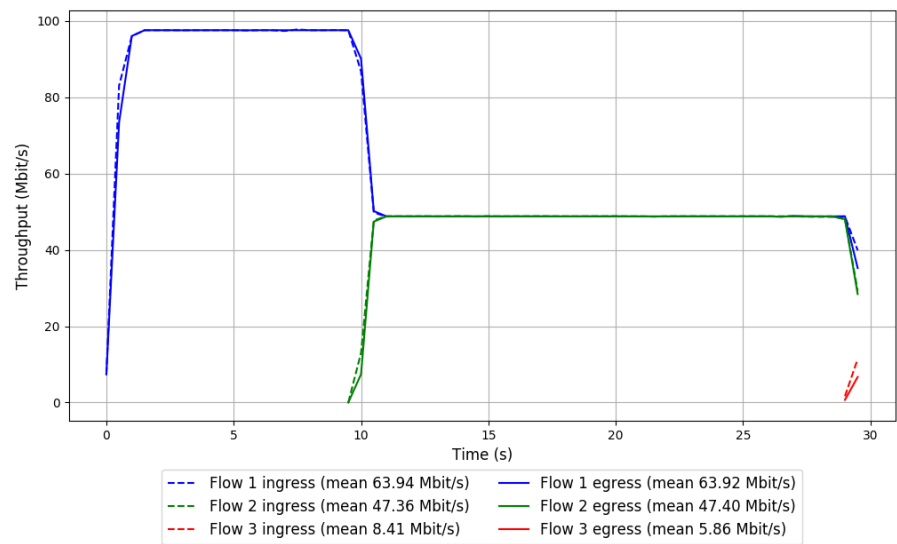
-- Flow 3:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 79.375 ms

Loss rate: 43.22%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-08-11 08:42:57

End at: 2017-08-11 08:43:27

Local clock offset: 0.162 ms

Remote clock offset: 0.509 ms

Below is generated by plot.py at 2017-08-11 13:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 72.271 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 72.181 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 72.335 ms

Loss rate: 0.78%

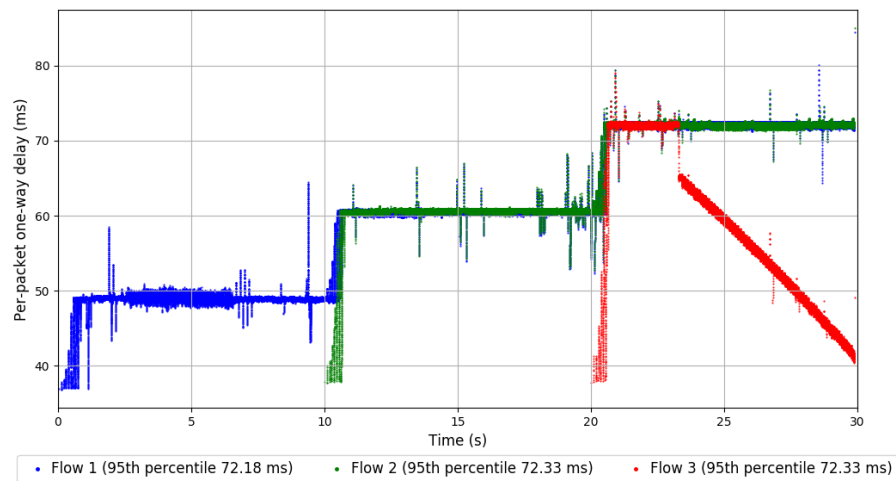
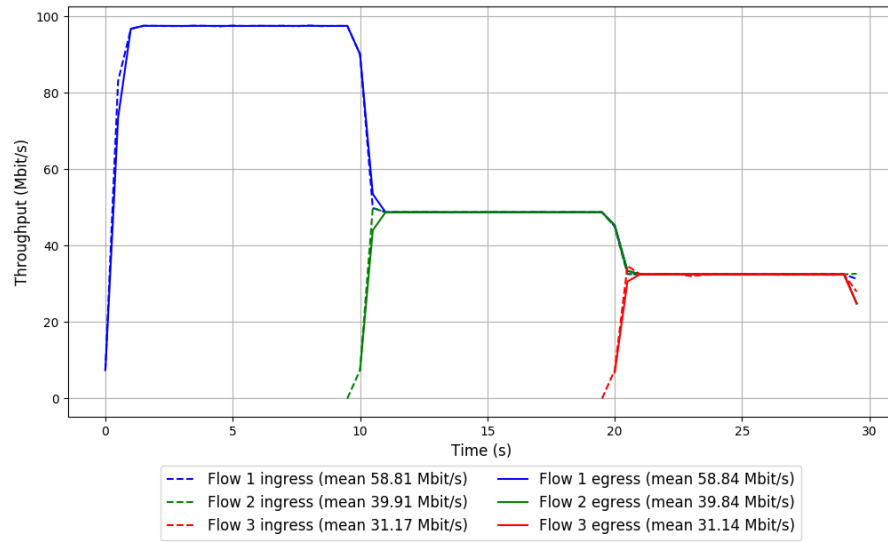
-- Flow 3:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 72.328 ms

Loss rate: 0.95%

Run 10: Report of TCP Vegas — Data Link

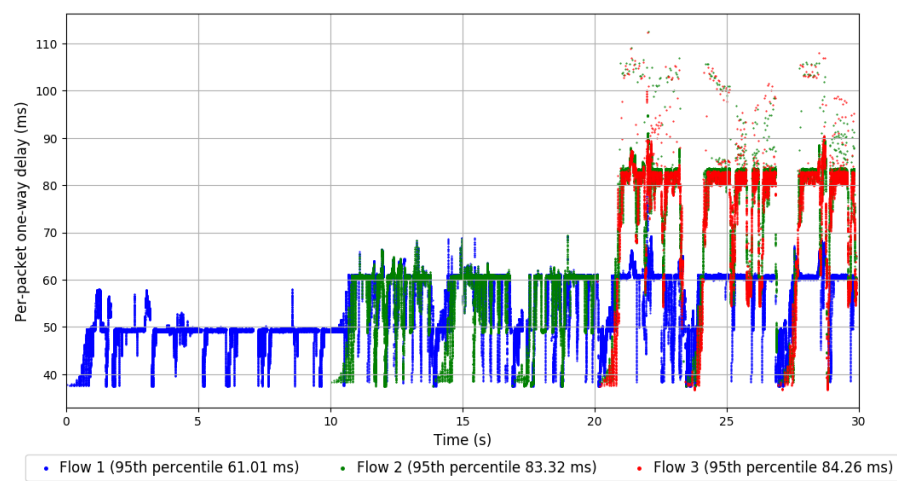
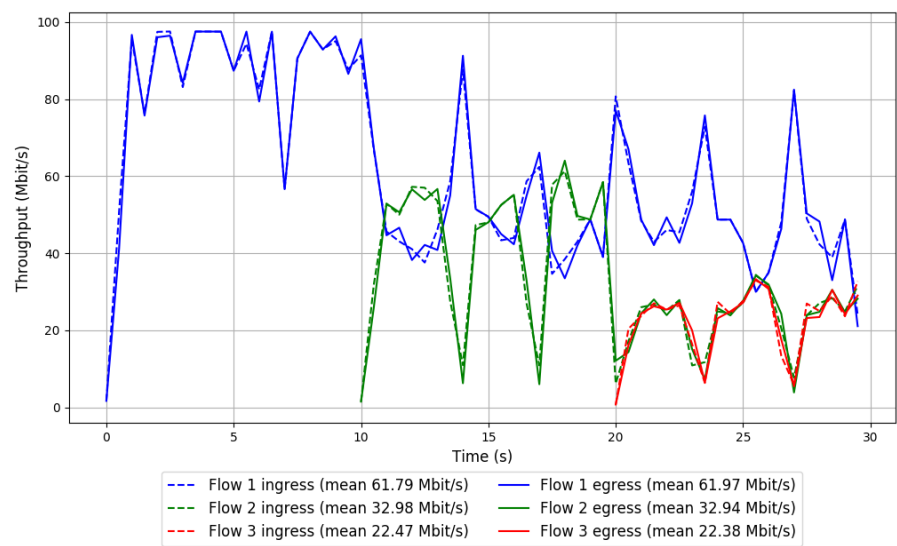


Run 1: Statistics of Verus

Start at: 2017-08-11 05:50:12
End at: 2017-08-11 05:50:42
Local clock offset: 0.925 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2017-08-11 13:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 82.439 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 61.009 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 83.322 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 84.264 ms
Loss rate: 1.67%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-08-11 06:11:27

End at: 2017-08-11 06:11:57

Local clock offset: 0.721 ms

Remote clock offset: 2.222 ms

Below is generated by plot.py at 2017-08-11 13:15:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 80.543 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 80.213 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 58.767 ms

Loss rate: 0.62%

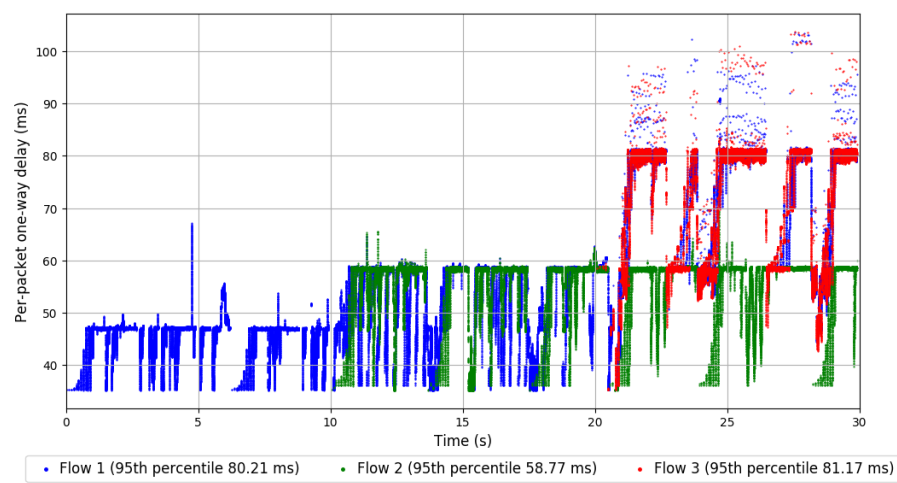
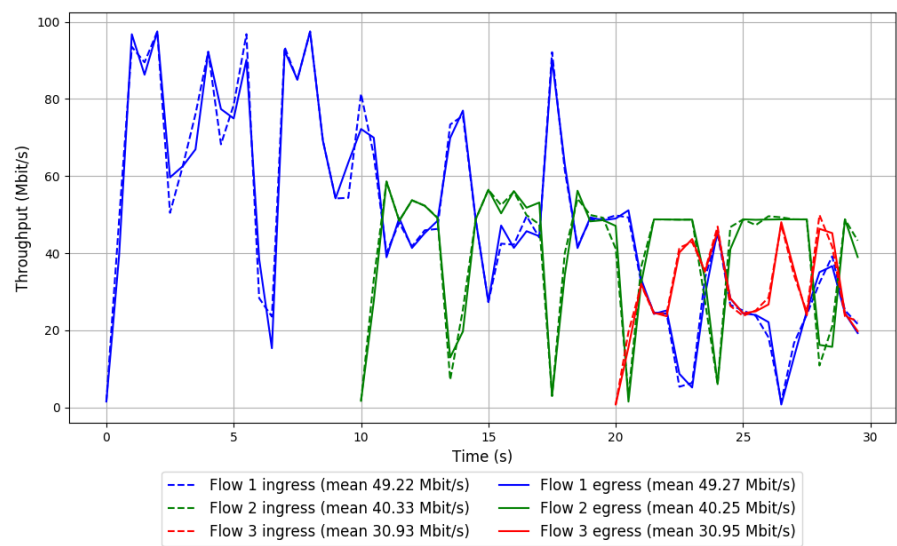
-- Flow 3:

Average throughput: 30.95 Mbit/s

95th percentile per-packet one-way delay: 81.175 ms

Loss rate: 1.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-08-11 06:32:27

End at: 2017-08-11 06:32:57

Local clock offset: 0.57 ms

Remote clock offset: 2.633 ms

Below is generated by plot.py at 2017-08-11 13:15:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.96 Mbit/s

95th percentile per-packet one-way delay: 69.081 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 49.08 Mbit/s

95th percentile per-packet one-way delay: 68.431 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 41.77 Mbit/s

95th percentile per-packet one-way delay: 69.382 ms

Loss rate: 0.73%

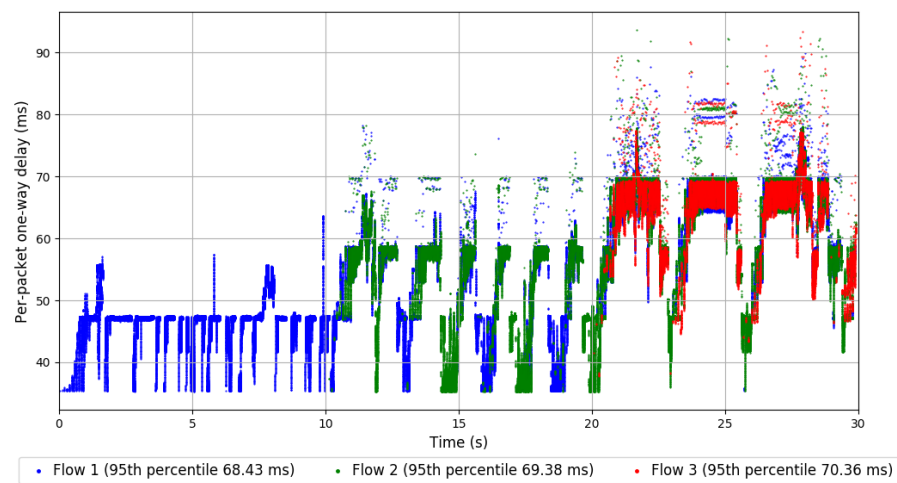
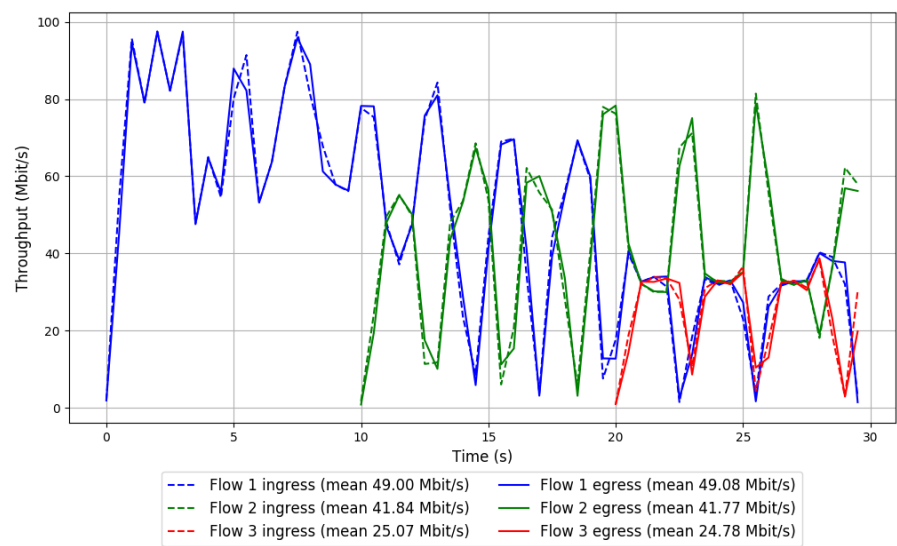
-- Flow 3:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 70.363 ms

Loss rate: 2.28%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-08-11 06:53:19

End at: 2017-08-11 06:53:49

Local clock offset: 0.463 ms

Remote clock offset: 2.646 ms

Below is generated by plot.py at 2017-08-11 13:15:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 80.062 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 58.731 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 37.66 Mbit/s

95th percentile per-packet one-way delay: 80.960 ms

Loss rate: 0.43%

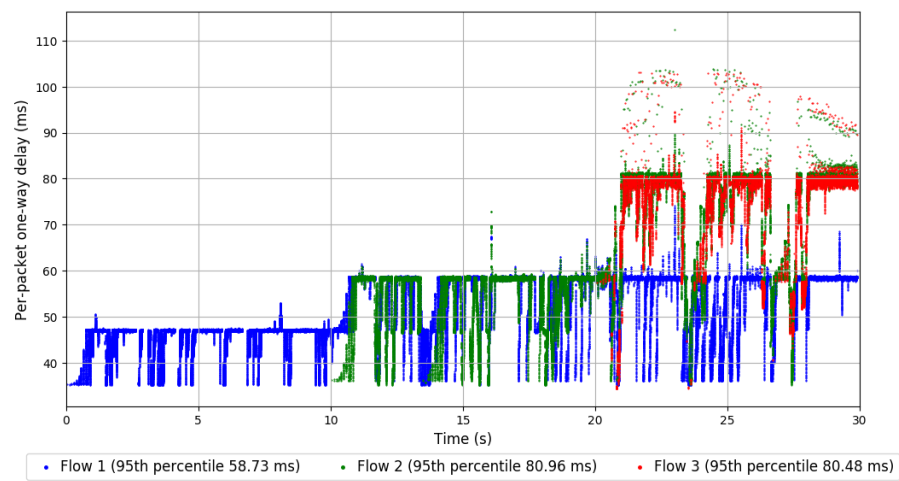
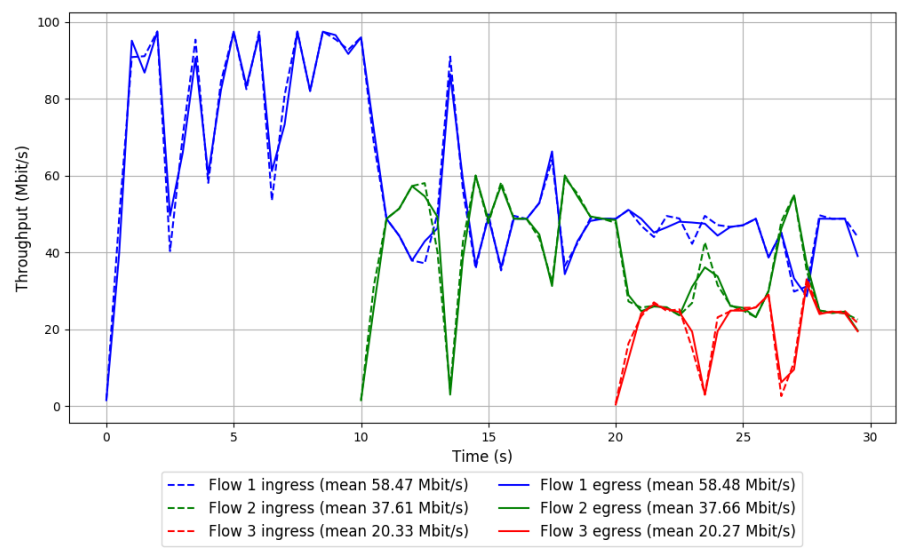
-- Flow 3:

Average throughput: 20.27 Mbit/s

95th percentile per-packet one-way delay: 80.481 ms

Loss rate: 1.59%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-08-11 07:14:19

End at: 2017-08-11 07:14:49

Local clock offset: 0.395 ms

Remote clock offset: 2.704 ms

Below is generated by plot.py at 2017-08-11 13:15:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 69.695 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 52.03 Mbit/s

95th percentile per-packet one-way delay: 69.787 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 35.22 Mbit/s

95th percentile per-packet one-way delay: 69.383 ms

Loss rate: 0.44%

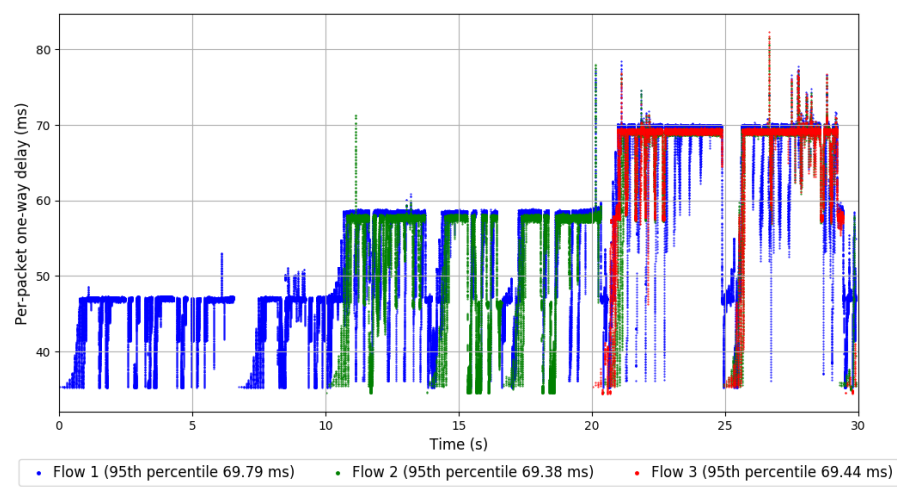
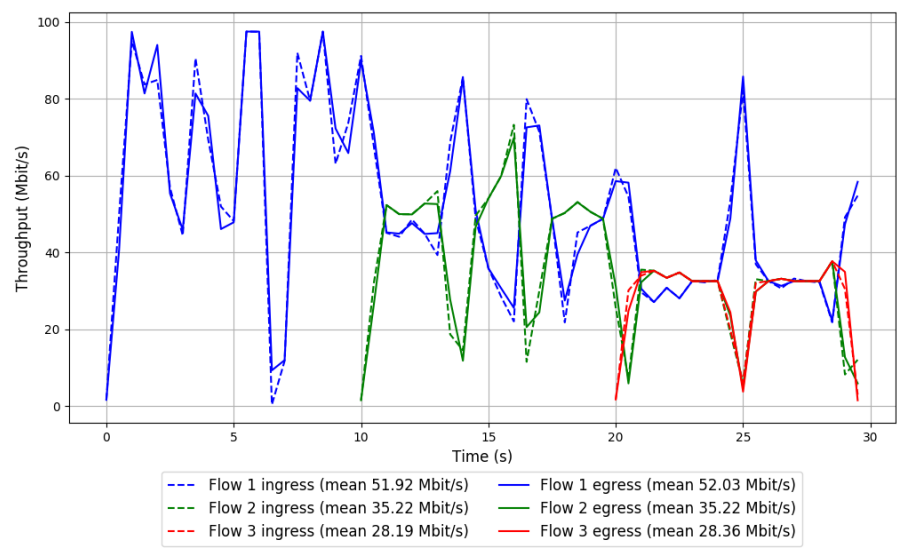
-- Flow 3:

Average throughput: 28.36 Mbit/s

95th percentile per-packet one-way delay: 69.442 ms

Loss rate: 0.27%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-08-11 07:35:22

End at: 2017-08-11 07:35:52

Local clock offset: 0.406 ms

Remote clock offset: 2.584 ms

Below is generated by plot.py at 2017-08-11 13:15:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 80.129 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 51.27 Mbit/s

95th percentile per-packet one-way delay: 80.403 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 58.606 ms

Loss rate: 0.59%

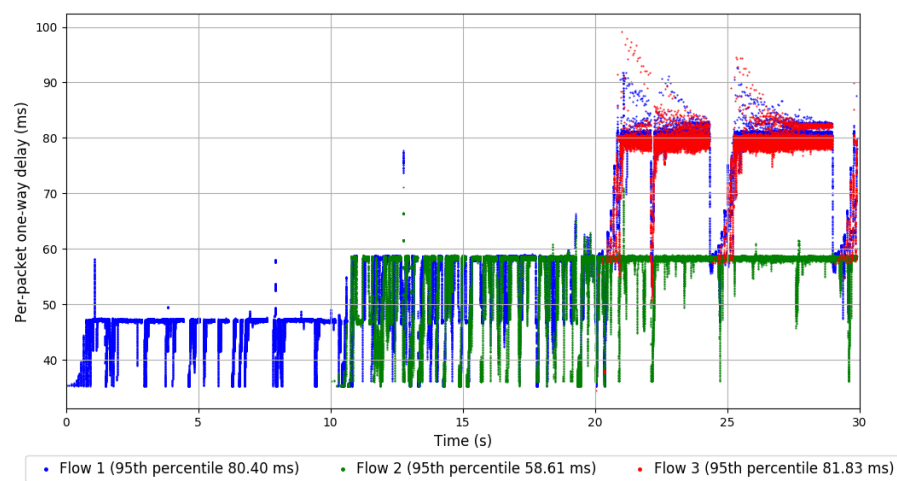
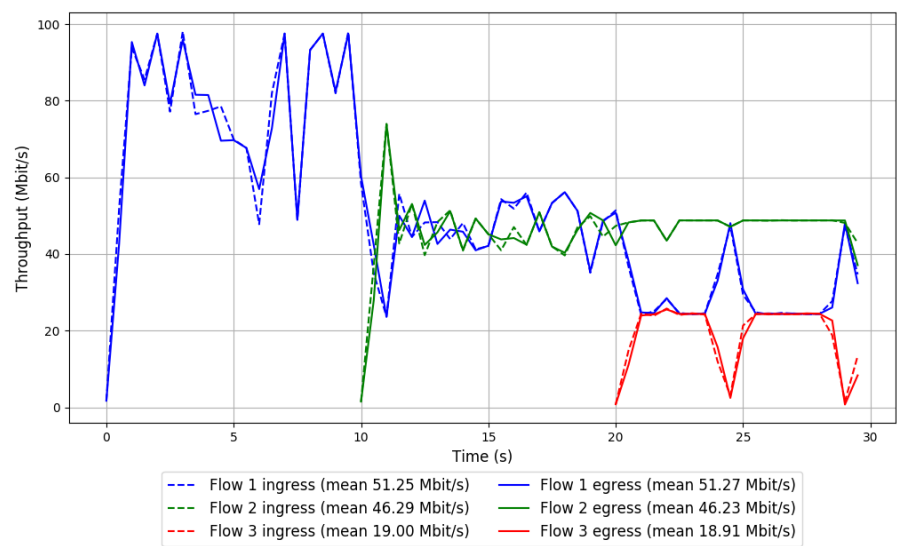
-- Flow 3:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 81.828 ms

Loss rate: 1.55%

Run 6: Report of Verus — Data Link

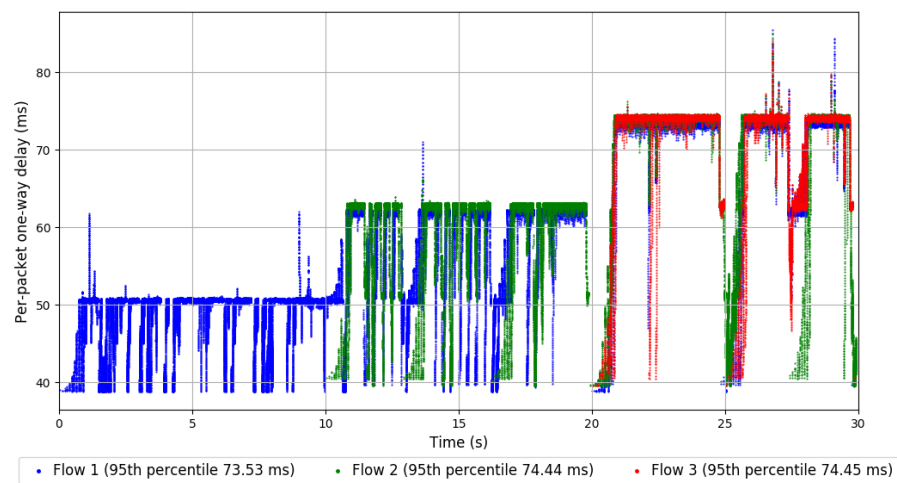
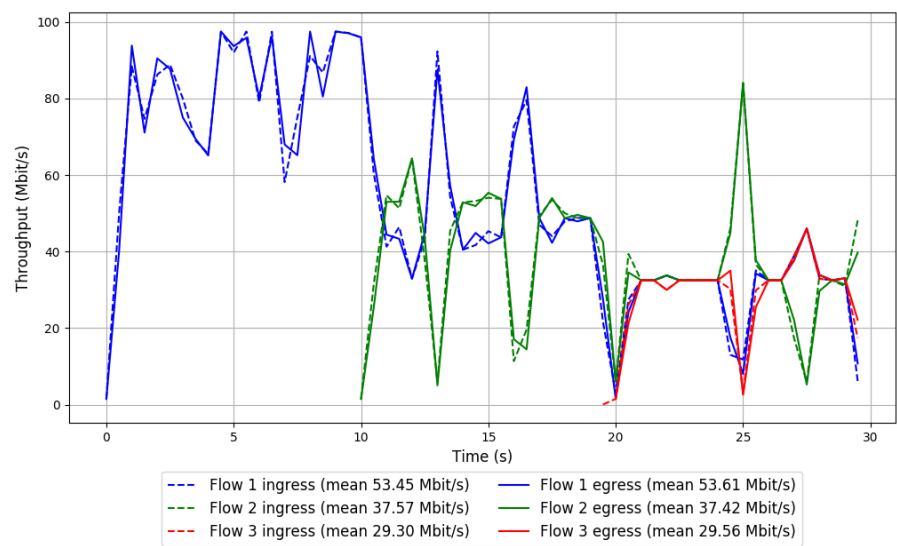


Run 7: Statistics of Verus

Start at: 2017-08-11 07:56:29
End at: 2017-08-11 07:56:59
Local clock offset: 0.366 ms
Remote clock offset: -1.989 ms

Below is generated by plot.py at 2017-08-11 13:15:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 74.353 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 73.528 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 74.442 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 74.450 ms
Loss rate: 0.02%

Run 7: Report of Verus — Data Link

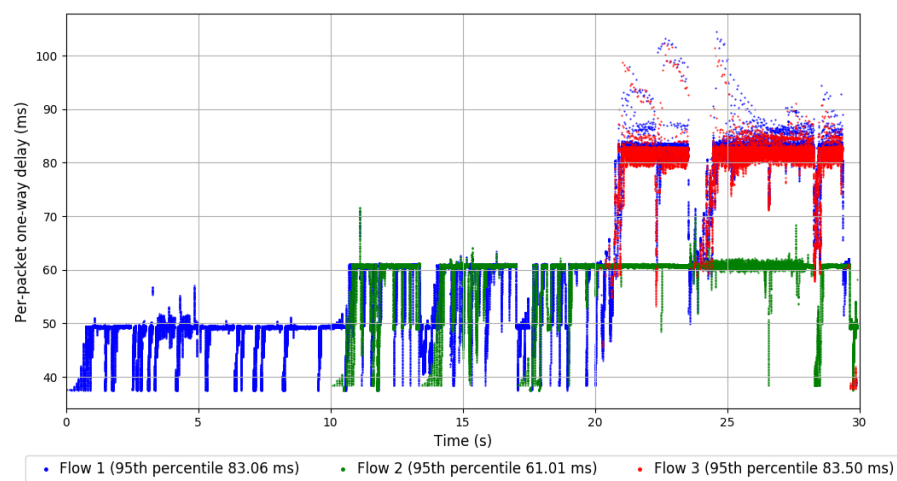
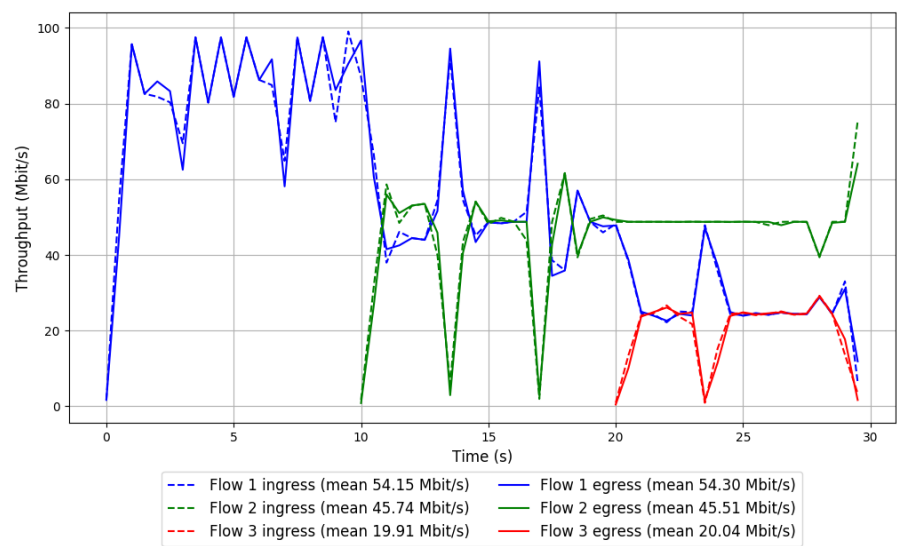


Run 8: Statistics of Verus

Start at: 2017-08-11 08:17:36
End at: 2017-08-11 08:18:06
Local clock offset: 0.279 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2017-08-11 13:16:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 82.731 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 83.061 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 61.012 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 83.503 ms
Loss rate: 0.45%

Run 8: Report of Verus — Data Link

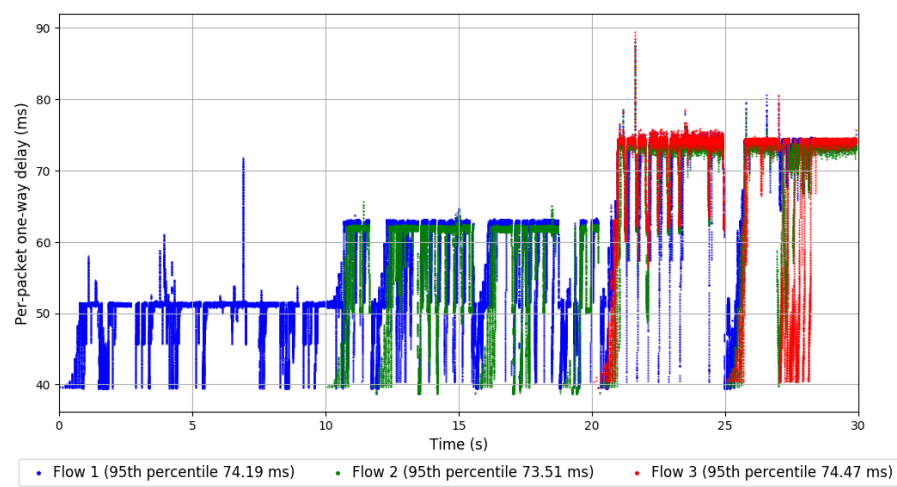
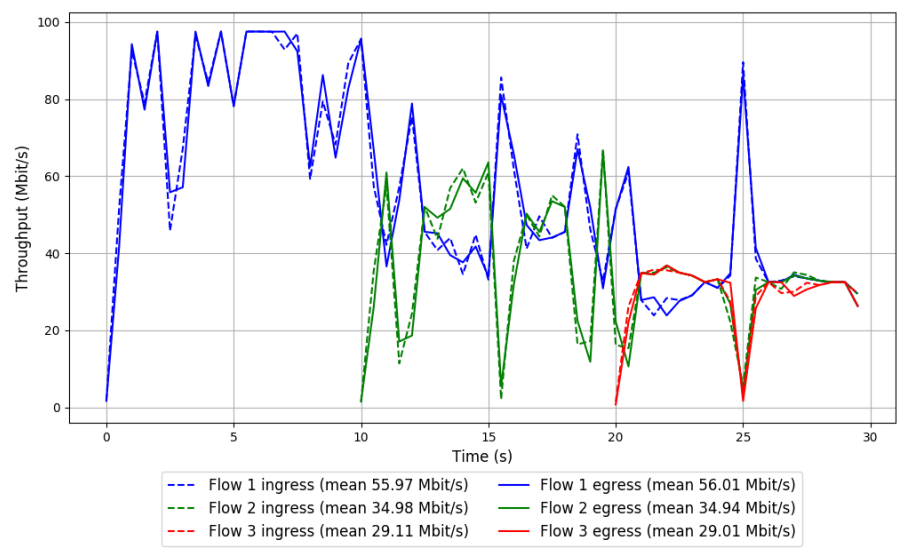


Run 9: Statistics of Verus

Start at: 2017-08-11 08:38:38
End at: 2017-08-11 08:39:08
Local clock offset: 0.171 ms
Remote clock offset: -2.101 ms

Below is generated by plot.py at 2017-08-11 13:16:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 74.275 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 74.190 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 73.506 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 74.469 ms
Loss rate: 1.38%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-08-11 08:59:39

End at: 2017-08-11 09:00:09

Local clock offset: 0.12 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 72.082 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 72.039 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 72.138 ms

Loss rate: 0.51%

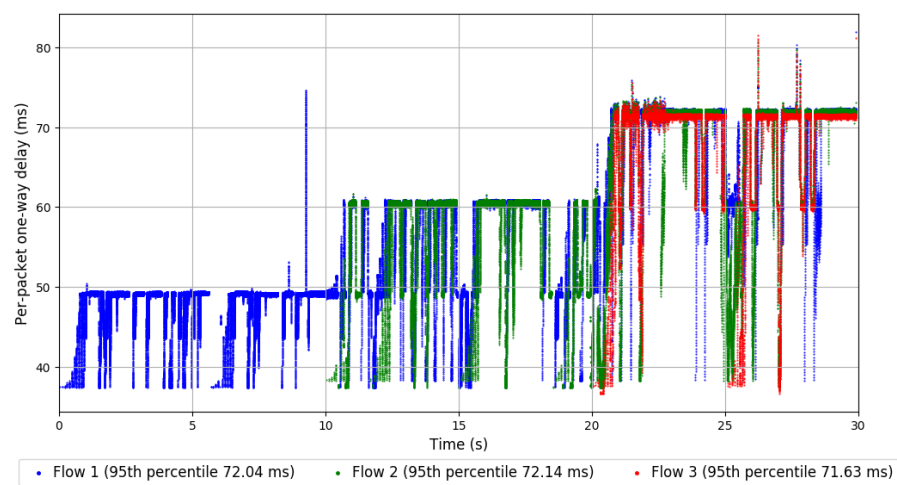
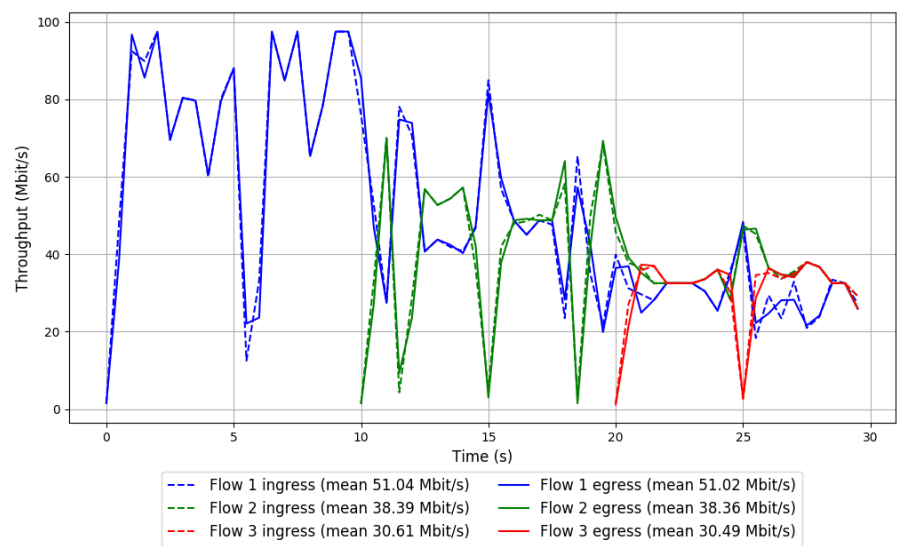
-- Flow 3:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 71.632 ms

Loss rate: 1.30%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-08-11 05:47:27

End at: 2017-08-11 05:47:57

Local clock offset: 0.857 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 38.508 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 38.391 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 38.384 ms

Loss rate: 0.88%

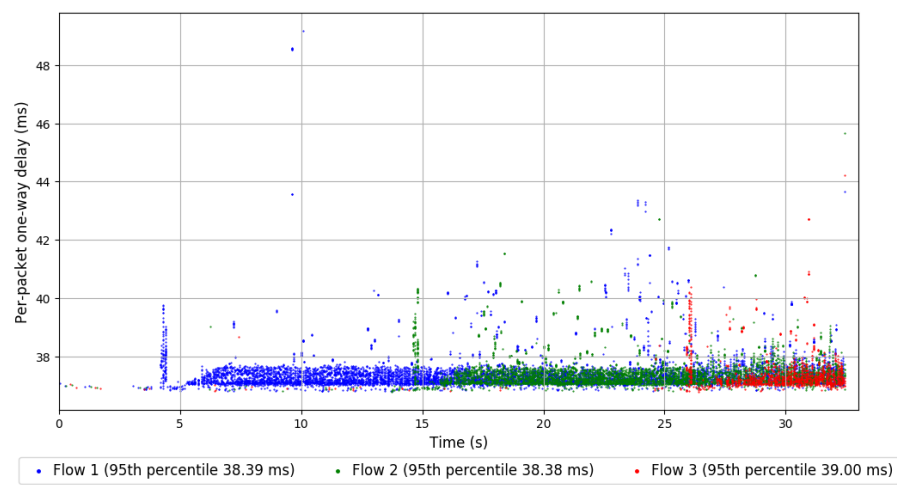
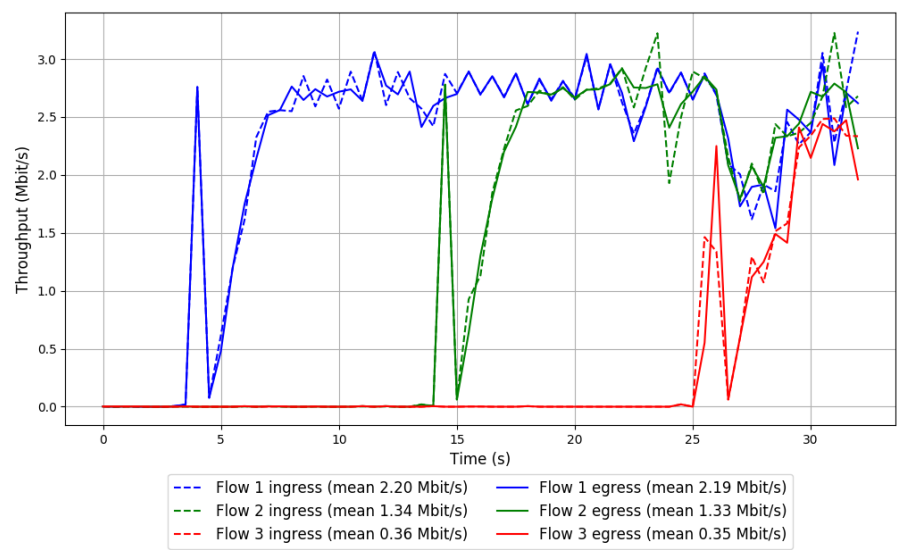
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 38.997 ms

Loss rate: 2.61%

Run 1: Report of WebRTC media — Data Link

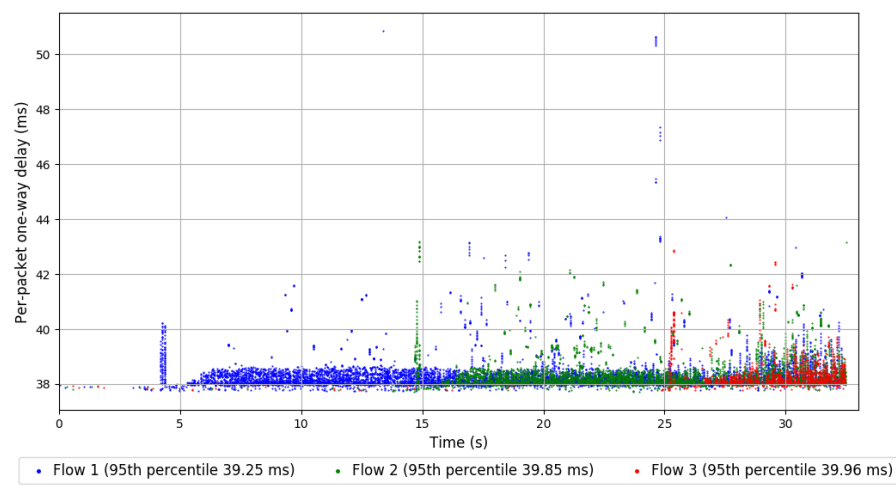
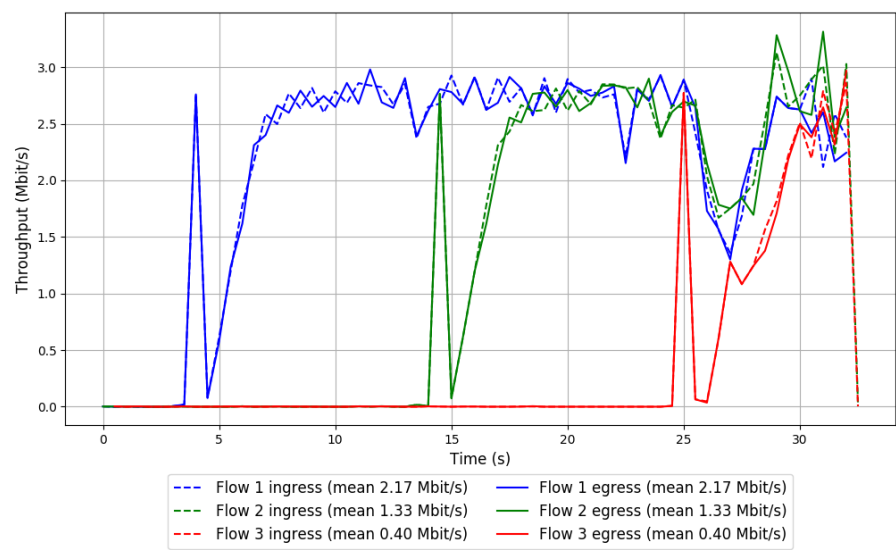


Run 2: Statistics of WebRTC media

Start at: 2017-08-11 06:08:43
End at: 2017-08-11 06:09:13
Local clock offset: 0.673 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2017-08-11 13:16:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 39.537 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 39.248 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 39.847 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 39.956 ms
Loss rate: 1.16%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-08-11 06:29:47

End at: 2017-08-11 06:30:17

Local clock offset: 0.613 ms

Remote clock offset: 2.633 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 36.650 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 36.562 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 36.745 ms

Loss rate: 0.46%

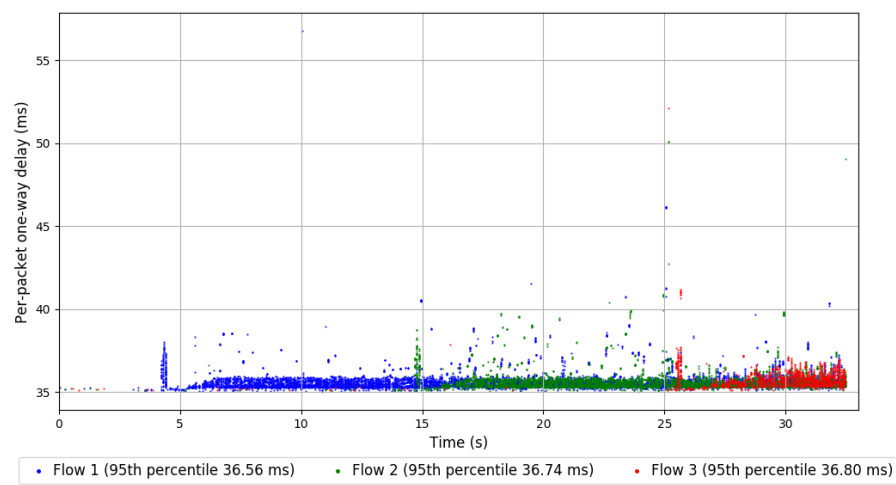
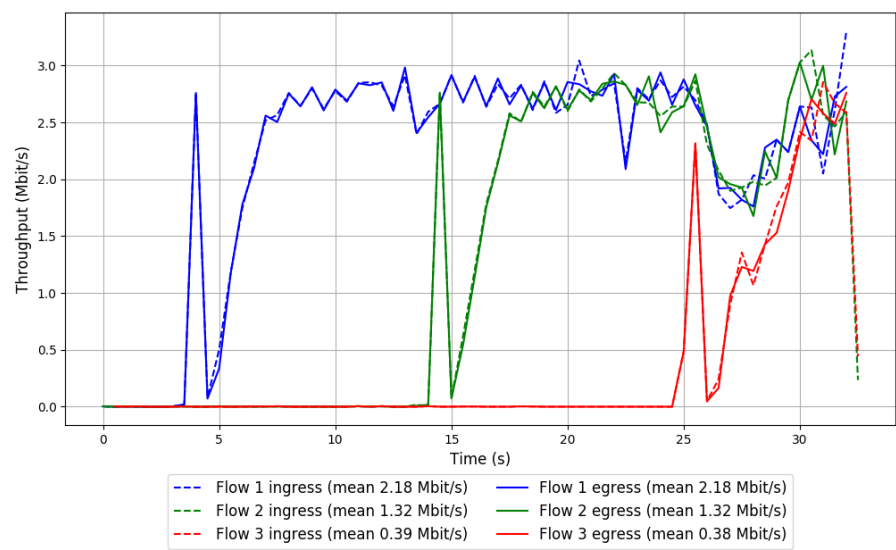
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 36.796 ms

Loss rate: 2.92%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-08-11 06:50:35

End at: 2017-08-11 06:51:05

Local clock offset: 0.459 ms

Remote clock offset: 2.647 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 36.828 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 36.683 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 36.952 ms

Loss rate: 0.44%

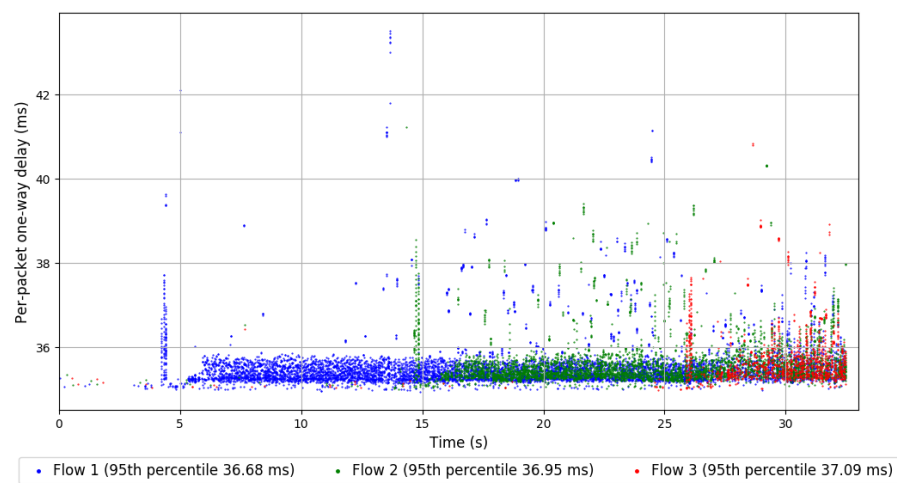
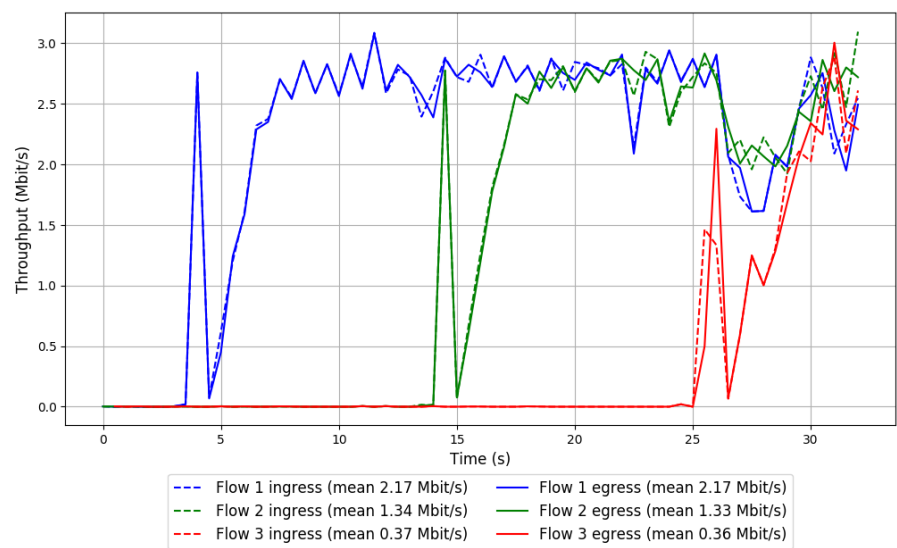
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 37.094 ms

Loss rate: 1.38%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-08-11 07:11:38

End at: 2017-08-11 07:12:08

Local clock offset: 0.466 ms

Remote clock offset: 2.637 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 36.739 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 36.610 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 36.825 ms

Loss rate: 0.63%

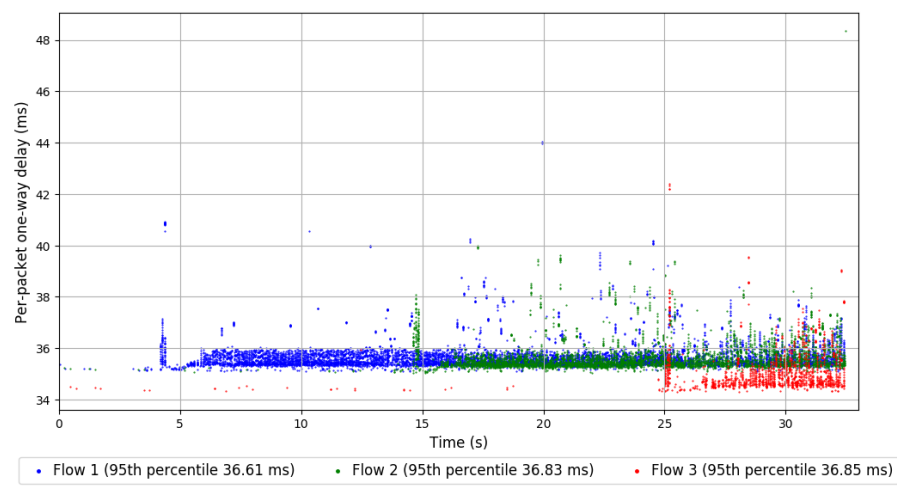
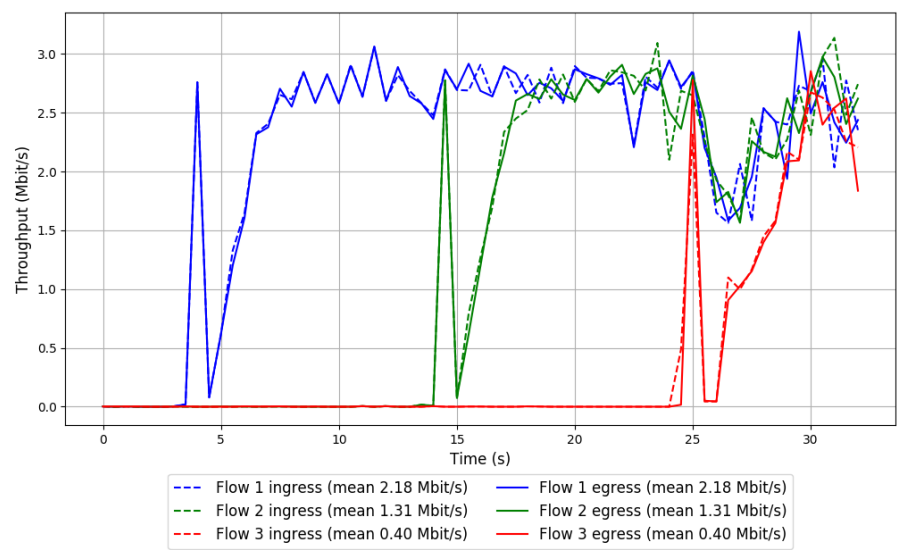
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 36.848 ms

Loss rate: 1.44%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-08-11 07:32:39

End at: 2017-08-11 07:33:09

Local clock offset: 0.379 ms

Remote clock offset: 2.66 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 36.557 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 36.608 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 35.992 ms

Loss rate: 0.50%

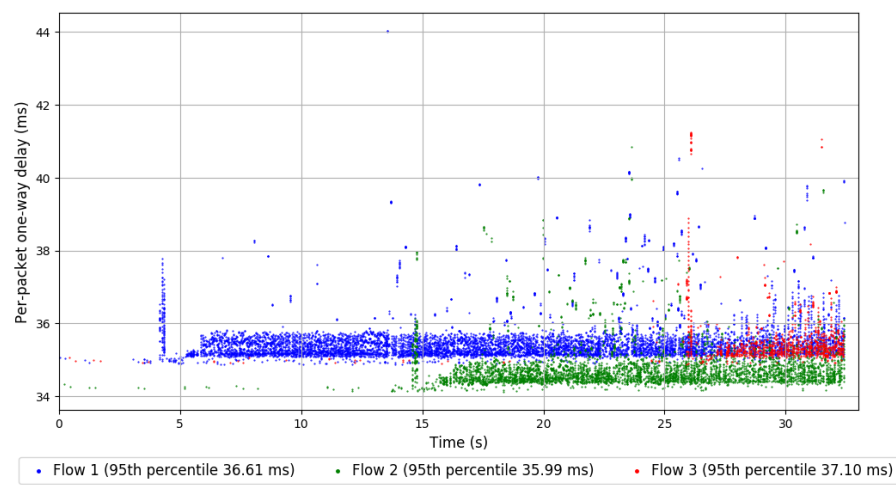
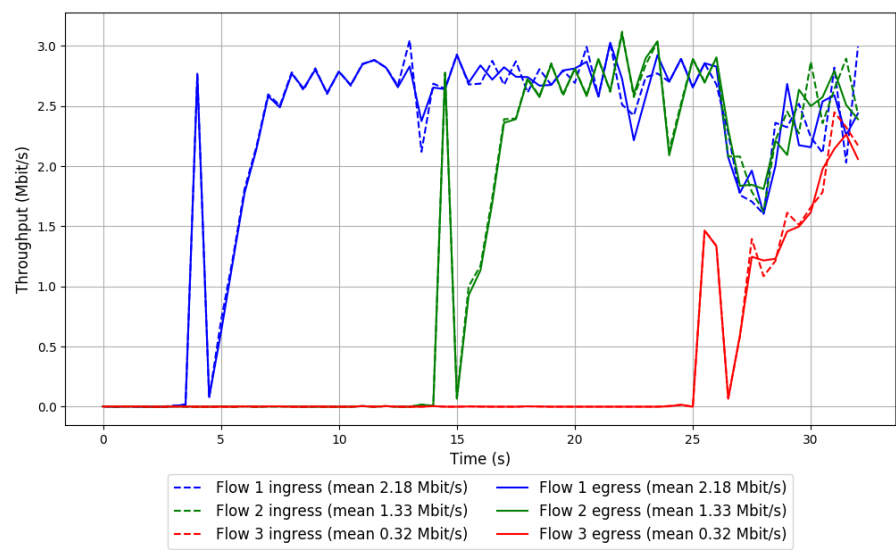
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 37.102 ms

Loss rate: 2.40%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-08-11 07:53:47

End at: 2017-08-11 07:54:17

Local clock offset: 0.466 ms

Remote clock offset: -1.75 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 40.136 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 39.920 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 40.353 ms

Loss rate: 0.50%

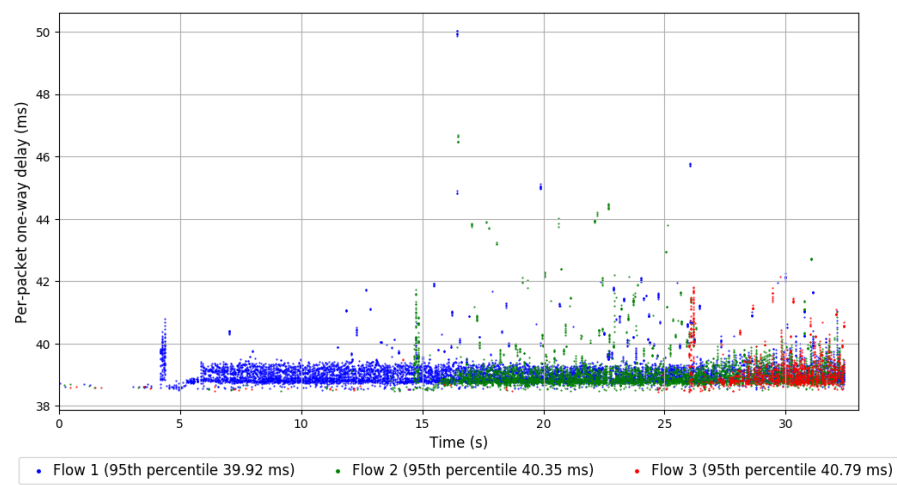
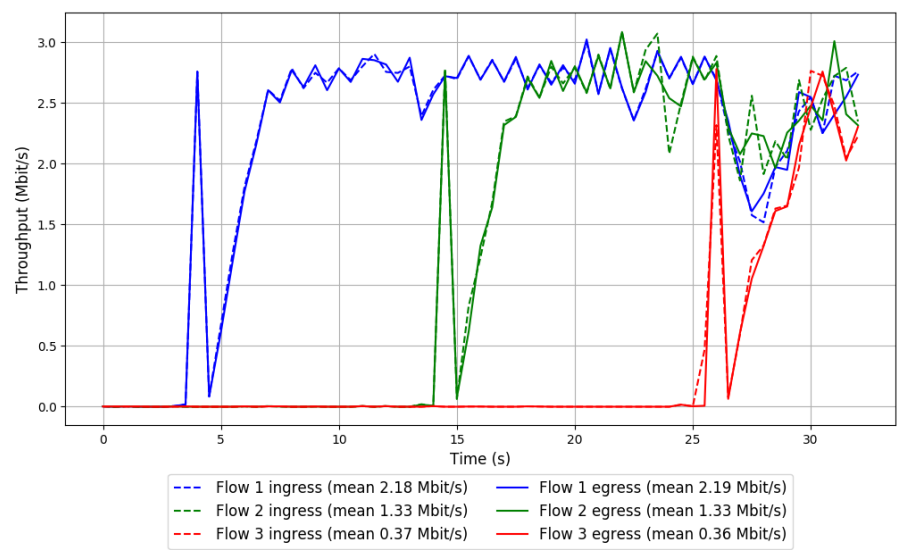
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 40.793 ms

Loss rate: 1.18%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-08-11 08:14:52

End at: 2017-08-11 08:15:22

Local clock offset: 0.303 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 38.672 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 38.516 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 39.005 ms

Loss rate: 0.44%

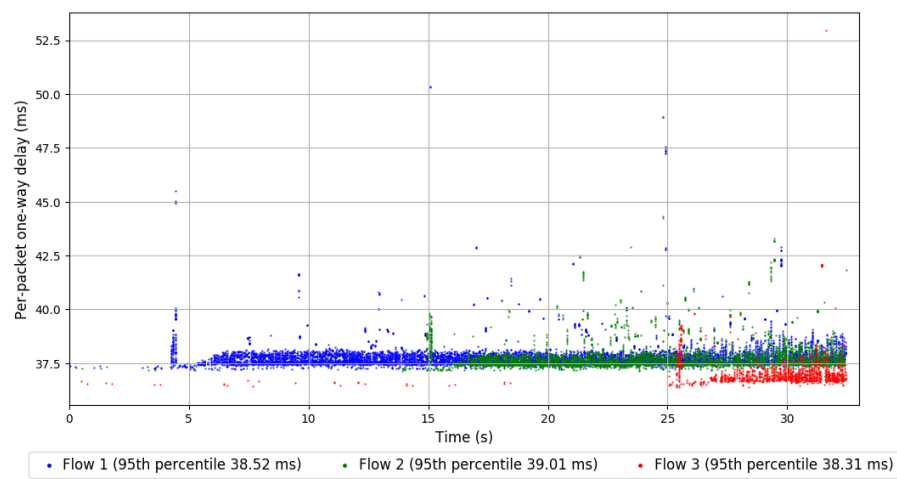
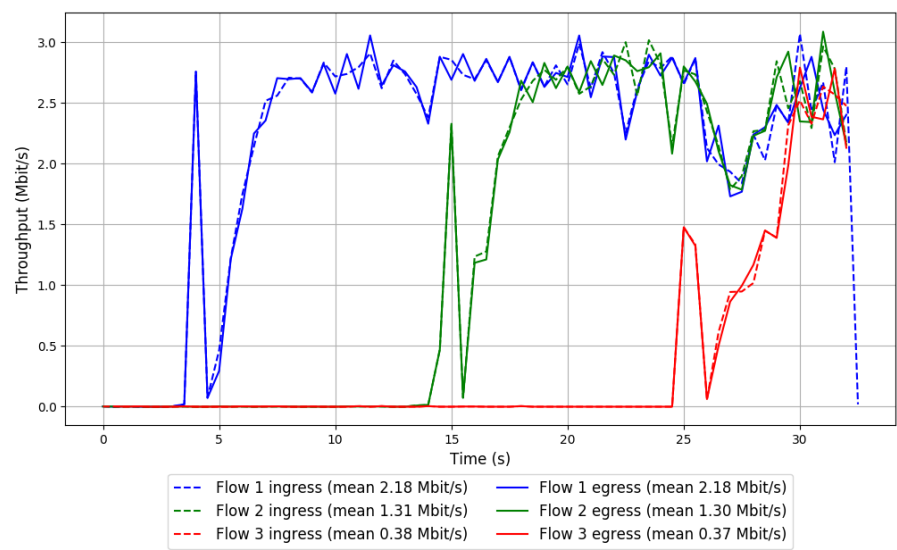
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 38.312 ms

Loss rate: 1.67%

Run 8: Report of WebRTC media — Data Link

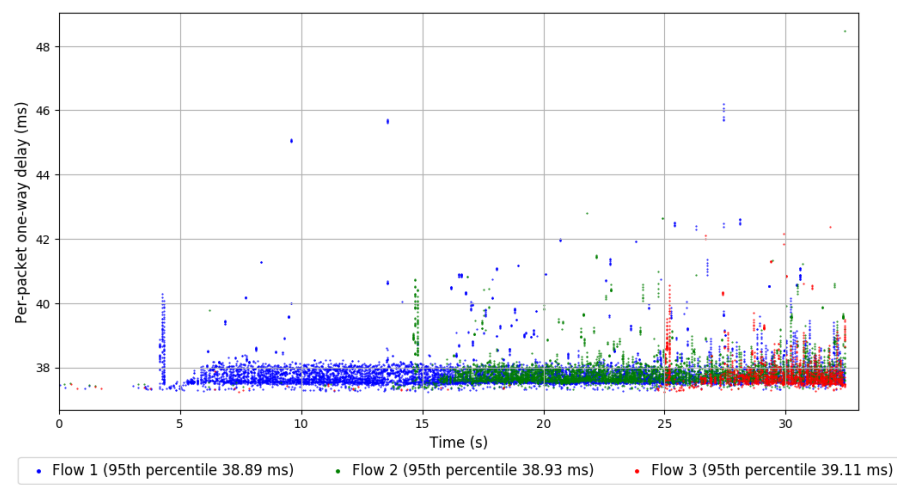
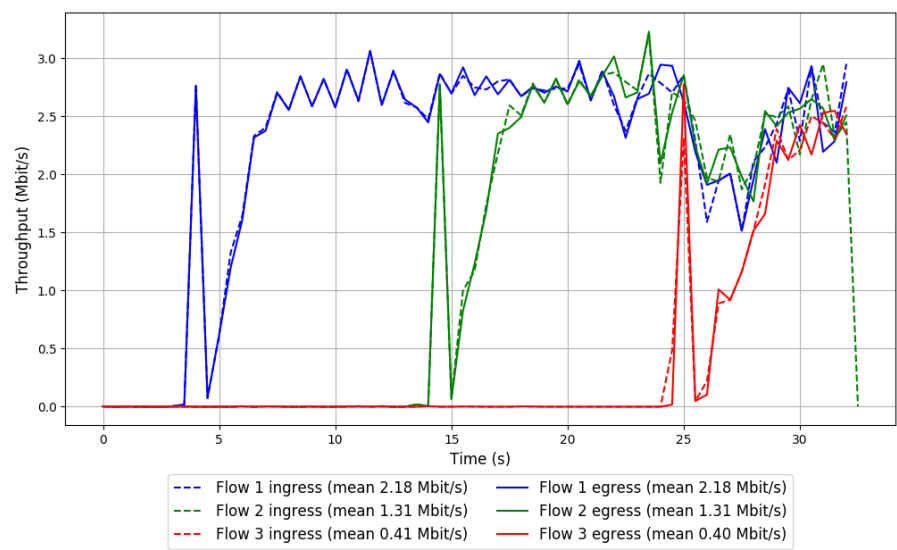


Run 9: Statistics of WebRTC media

Start at: 2017-08-11 08:35:57
End at: 2017-08-11 08:36:27
Local clock offset: 0.194 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2017-08-11 13:16:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 38.935 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 38.893 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 38.932 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 1.42%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-08-11 08:56:56

End at: 2017-08-11 08:57:26

Local clock offset: 0.24 ms

Remote clock offset: 0.568 ms

Below is generated by plot.py at 2017-08-11 13:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 38.451 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 38.357 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 1.33 Mbit/s

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

Loss rate: 0.49%

-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 38.483 ms

Loss rate: 1.99%

Run 10: Report of WebRTC media — Data Link

