

Pantheon Report

Generated at 2018-01-17 06:47:24 (UTC).

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

Repeated the test of 17 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).

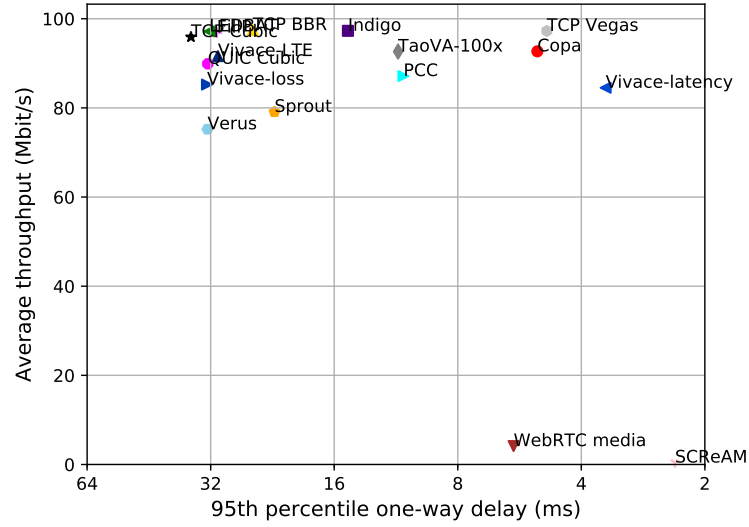
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

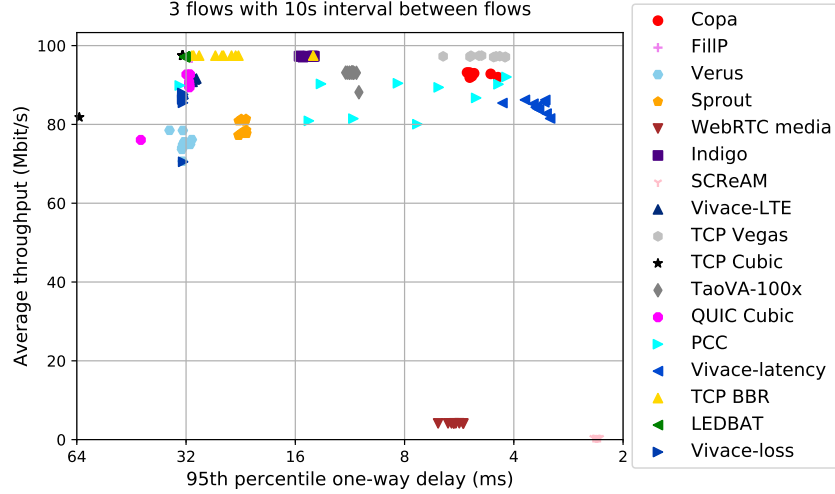
Git summary:

```
branch: master @ 386976fcf771de1359acd909bfbb98a156d79009
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
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/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



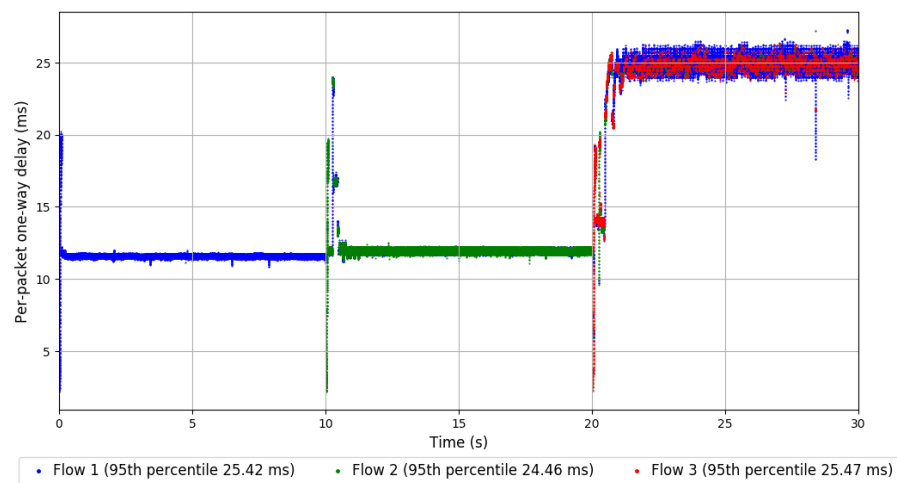
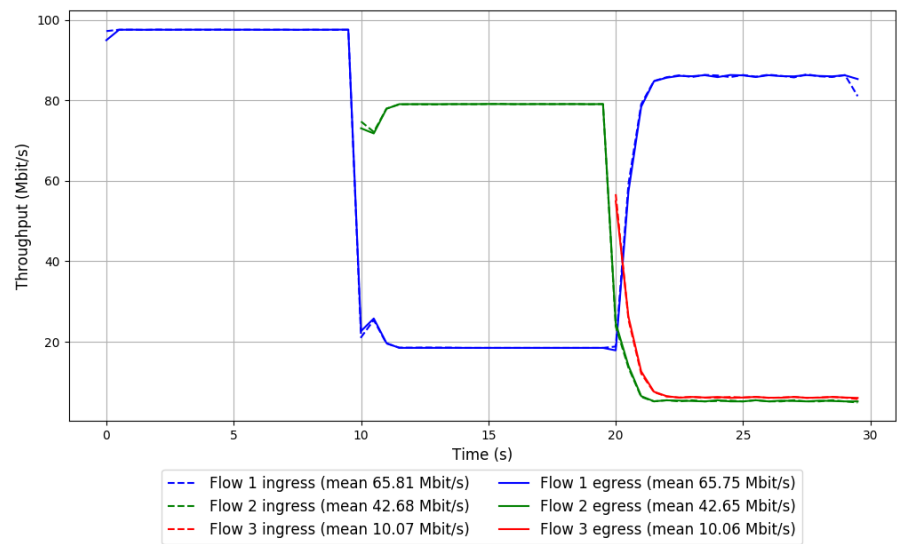
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	63.67	42.40	16.79	25.29	23.81	26.12	0.02	0.00	0.02
TCP Cubic	10	61.35	39.08	25.77	36.09	32.69	36.40	0.04	0.07	0.15
LEDBAT	10	62.49	38.29	30.88	32.21	32.39	32.43	0.03	0.05	0.08
PCC	10	70.55	20.18	9.65	9.84	14.14	15.86	0.11	0.31	0.74
QUIC Cubic	10	59.03	32.38	28.47	30.03	34.52	34.46	0.11	0.36	0.37
SCReAM	10	0.22	0.22	0.22	2.37	2.36	2.36	0.00	0.00	0.00
WebRTC media	10	2.32	1.44	0.37	5.49	5.93	7.36	0.01	0.00	0.00
Sprout	10	42.73	39.21	31.17	20.95	22.02	24.46	0.00	0.00	0.00
TaoVA-100x	10	57.09	39.17	36.64	10.60	11.76	15.45	0.02	0.08	0.29
TCP Vegas	10	46.04	48.25	57.54	6.90	4.61	4.80	0.00	0.00	0.00
Verus	10	44.07	32.90	28.15	30.75	33.30	32.68	12.23	18.10	20.27
Copa	10	61.08	37.11	30.00	4.78	5.24	5.74	0.00	0.00	0.00
FillP	9	58.73	41.06	32.87	30.90	30.92	30.94	17.81	23.63	30.04
Indigo	10	55.81	41.63	42.39	14.05	15.29	18.23	0.00	0.00	0.00
Vivace-latency	10	53.42	34.23	25.32	3.08	3.93	4.60	0.00	0.00	0.00
Vivace-loss	10	65.20	23.90	14.34	563.05	32.37	32.31	12.13	12.71	13.20
Vivace-LTE	10	57.84	39.15	23.53	29.64	30.88	31.15	0.26	0.27	0.42

Run 1: Statistics of TCP BBR

Start at: 2018-01-17 02:38:59
End at: 2018-01-17 02:39:29
Local clock offset: 0.451 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-01-17 06:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 25.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 25.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.65 Mbit/s
95th percentile per-packet one-way delay: 24.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 25.472 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

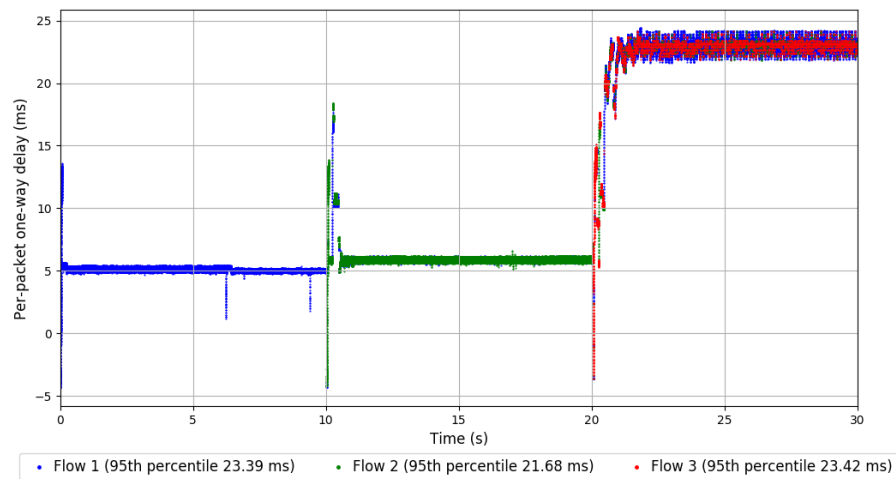
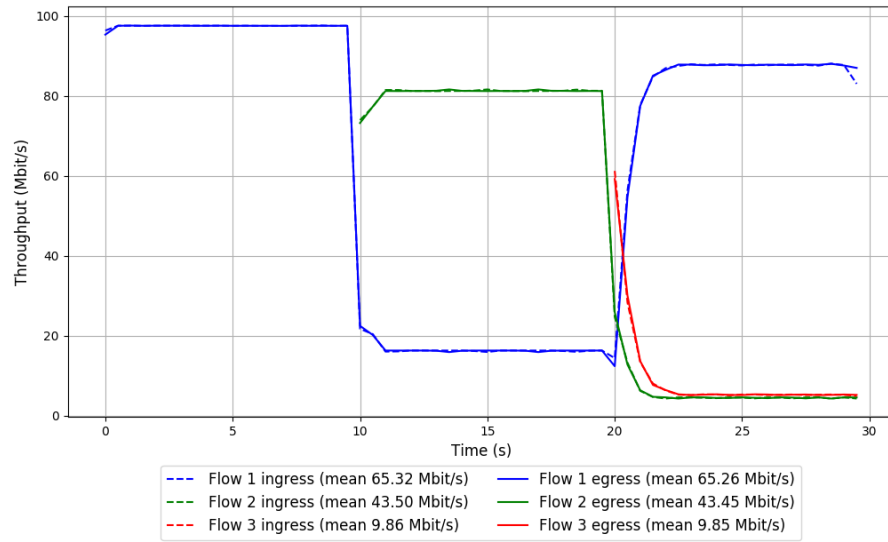


Run 2: Statistics of TCP BBR

Start at: 2018-01-17 02:59:42
End at: 2018-01-17 03:00:12
Local clock offset: 0.434 ms
Remote clock offset: -6.589 ms

Below is generated by plot.py at 2018-01-17 06:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 23.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 21.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 23.416 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-17 03:20:23

End at: 2018-01-17 03:20:53

Local clock offset: 0.407 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-01-17 06:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 29.445 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.52 Mbit/s

95th percentile per-packet one-way delay: 29.460 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.55 Mbit/s

95th percentile per-packet one-way delay: 28.204 ms

Loss rate: 0.00%

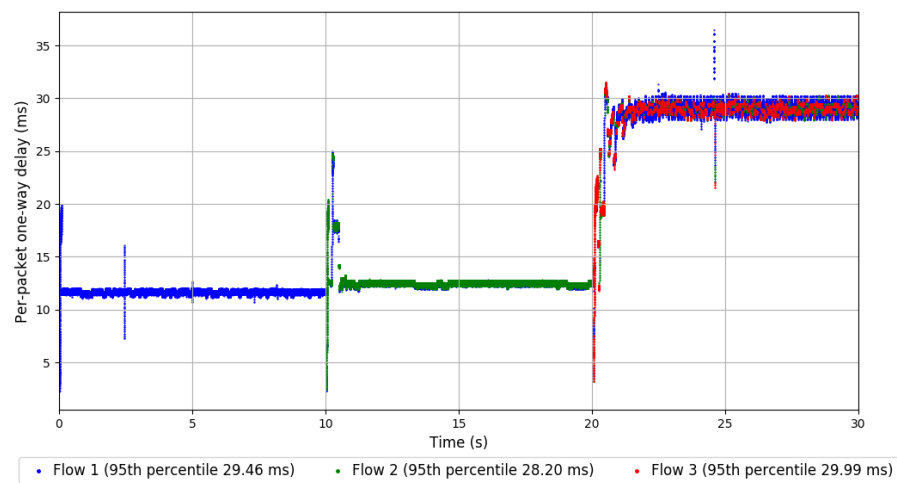
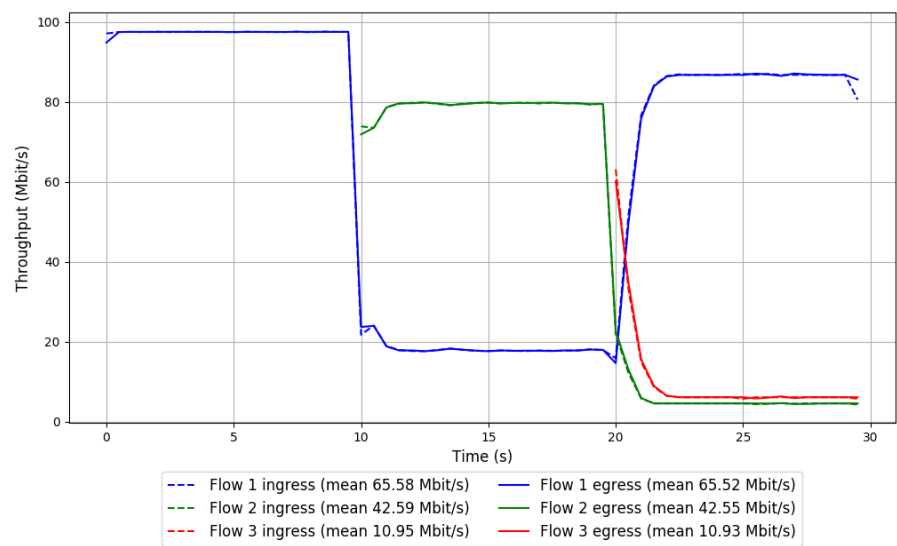
-- Flow 3:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 29.991 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-17 03:41:07

End at: 2018-01-17 03:41:37

Local clock offset: 0.354 ms

Remote clock offset: 1.031 ms

Below is generated by plot.py at 2018-01-17 06:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 23.980 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.27 Mbit/s

95th percentile per-packet one-way delay: 24.005 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.45 Mbit/s

95th percentile per-packet one-way delay: 23.223 ms

Loss rate: 0.00%

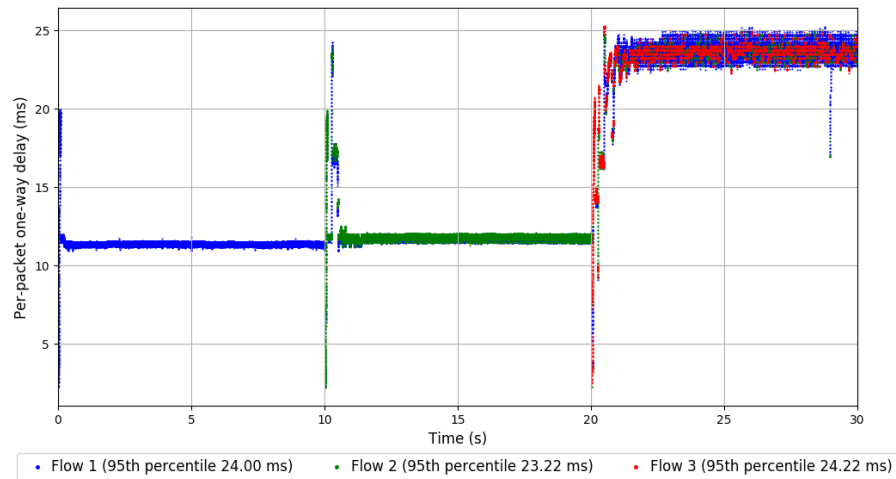
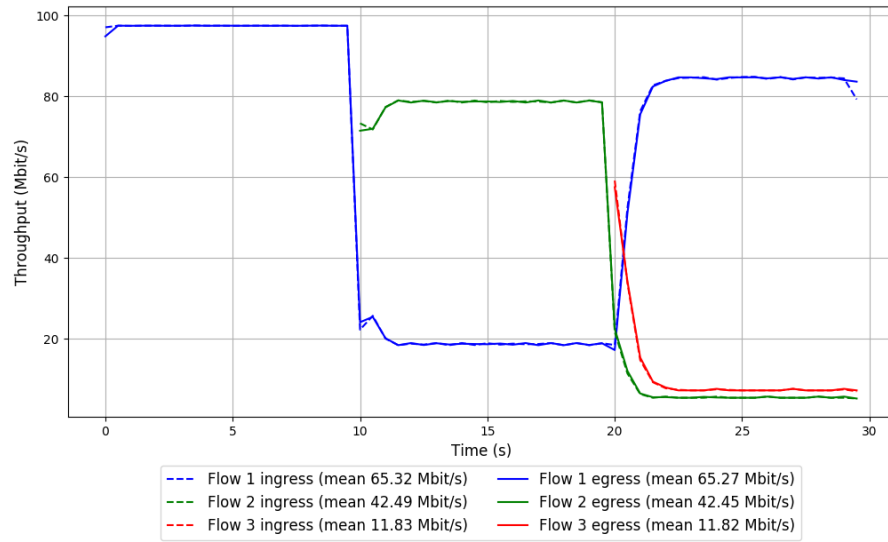
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 24.220 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-17 04:01:51

End at: 2018-01-17 04:02:21

Local clock offset: 0.353 ms

Remote clock offset: 1.574 ms

Below is generated by plot.py at 2018-01-17 06:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 30.833 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.38 Mbit/s

95th percentile per-packet one-way delay: 30.868 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.43 Mbit/s

95th percentile per-packet one-way delay: 29.795 ms

Loss rate: 0.00%

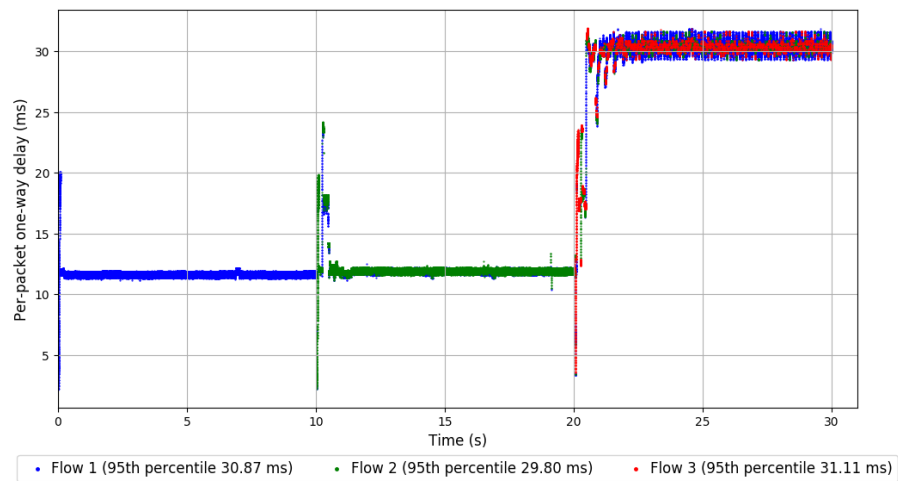
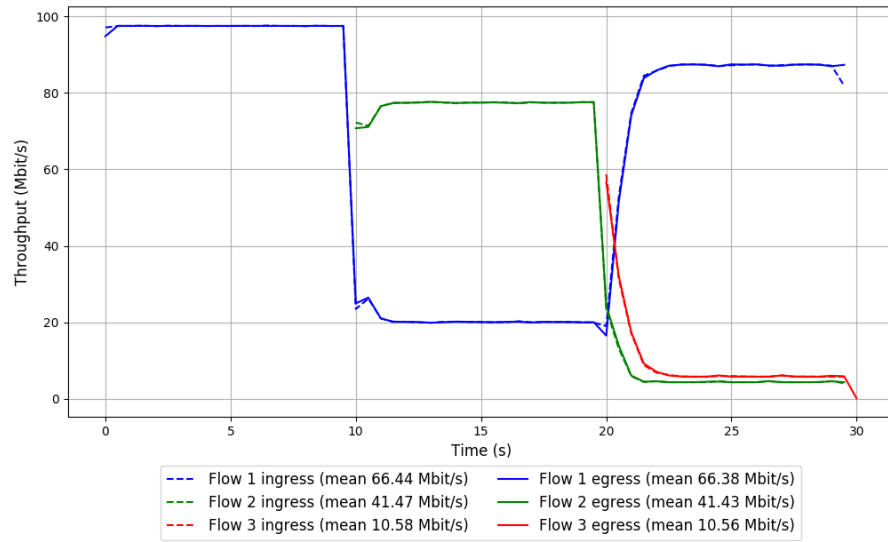
-- Flow 3:

Average throughput: 10.56 Mbit/s

95th percentile per-packet one-way delay: 31.114 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-17 04:22:35

End at: 2018-01-17 04:23:05

Local clock offset: 0.346 ms

Remote clock offset: 1.76 ms

Below is generated by plot.py at 2018-01-17 06:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 25.473 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 25.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.58 Mbit/s

95th percentile per-packet one-way delay: 24.539 ms

Loss rate: 0.00%

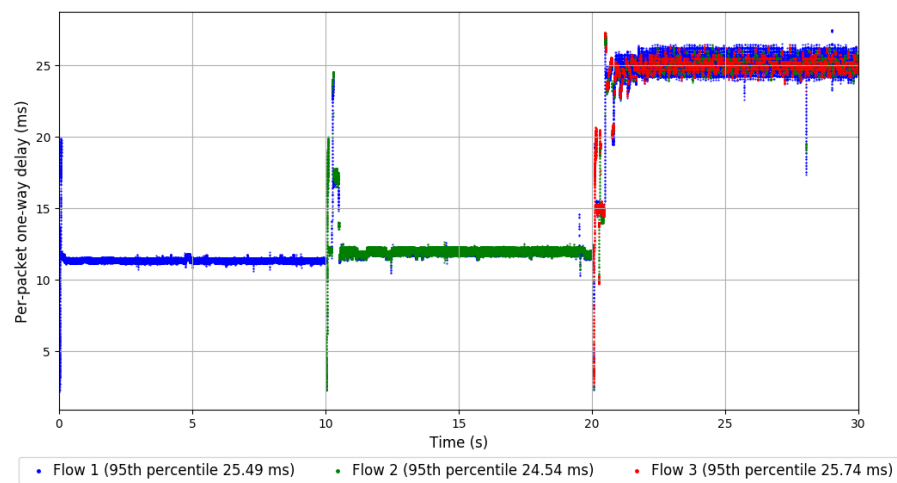
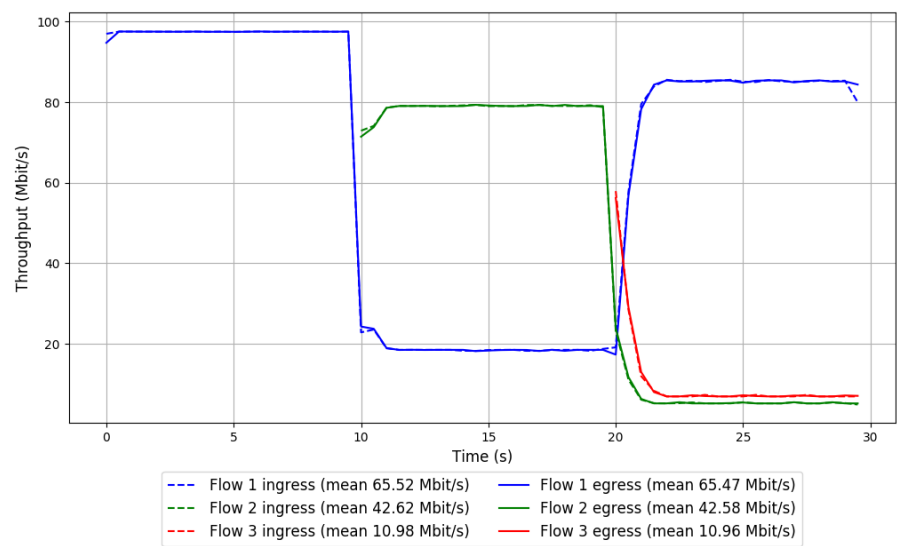
-- Flow 3:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 25.737 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-17 04:43:19

End at: 2018-01-17 04:43:49

Local clock offset: 0.362 ms

Remote clock offset: 1.746 ms

Below is generated by plot.py at 2018-01-17 06:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 22.952 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.02 Mbit/s

95th percentile per-packet one-way delay: 22.964 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.87 Mbit/s

95th percentile per-packet one-way delay: 22.268 ms

Loss rate: 0.00%

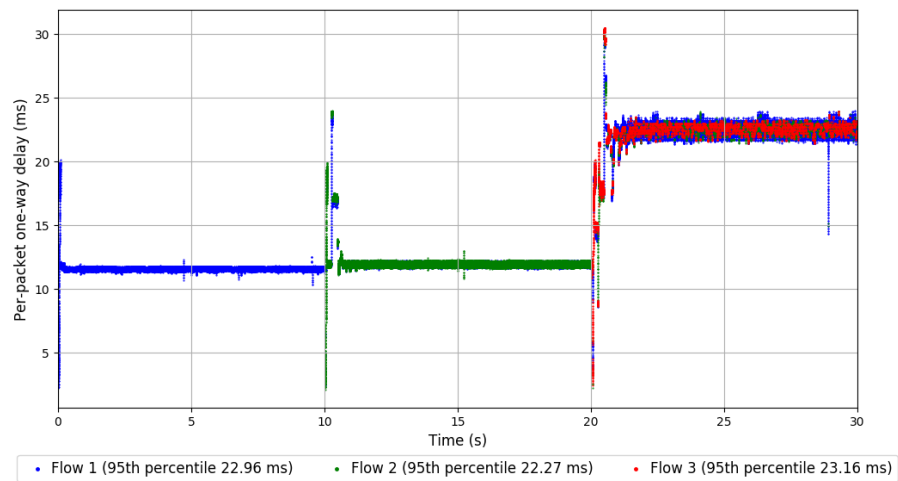
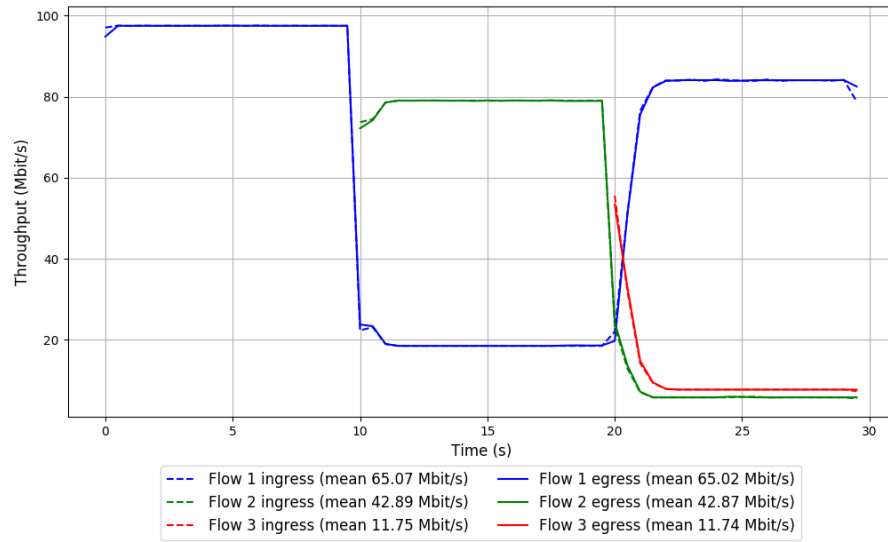
-- Flow 3:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 23.163 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-17 05:04:03

End at: 2018-01-17 05:04:33

Local clock offset: 0.352 ms

Remote clock offset: 1.4 ms

Below is generated by plot.py at 2018-01-17 06:14:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.281 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 14.188 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 14.255 ms

Loss rate: 0.00%

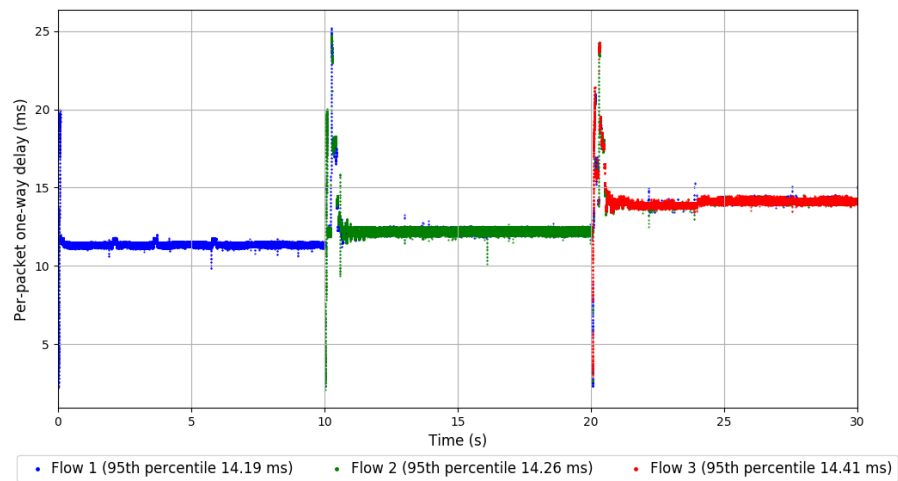
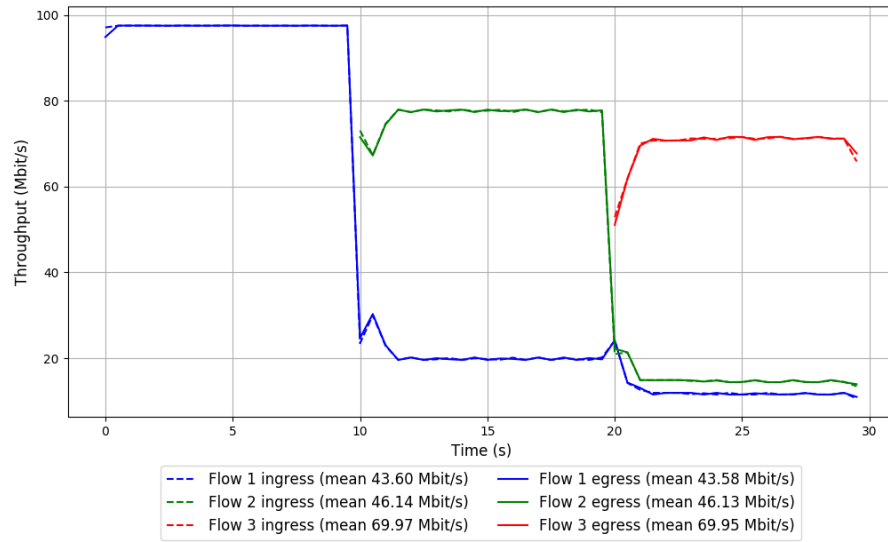
-- Flow 3:

Average throughput: 69.95 Mbit/s

95th percentile per-packet one-way delay: 14.415 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-17 05:24:46

End at: 2018-01-17 05:25:16

Local clock offset: 0.207 ms

Remote clock offset: 1.041 ms

Below is generated by plot.py at 2018-01-17 06:16:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 26.562 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 26.570 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 25.823 ms

Loss rate: 0.00%

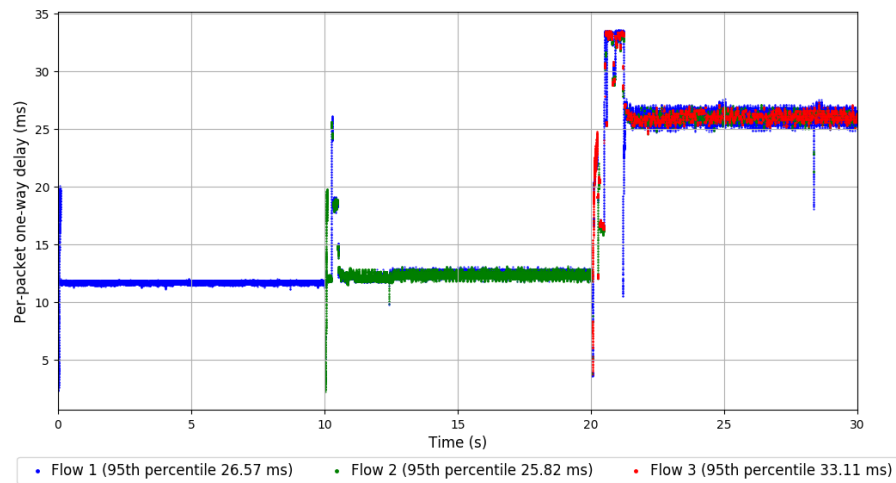
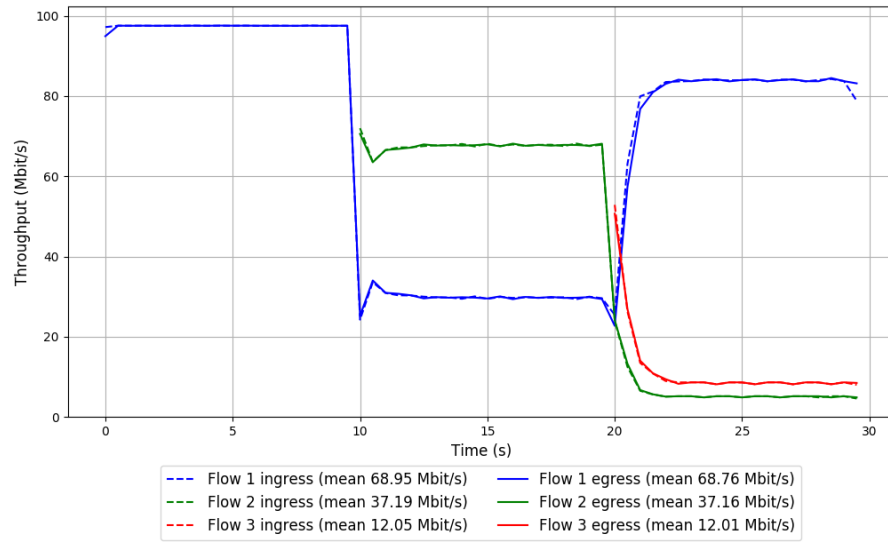
-- Flow 3:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 33.114 ms

Loss rate: 0.18%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-17 05:45:30

End at: 2018-01-17 05:46:00

Local clock offset: 0.213 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2018-01-17 06:16:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 30.519 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 30.555 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.76 Mbit/s

95th percentile per-packet one-way delay: 23.832 ms

Loss rate: 0.00%

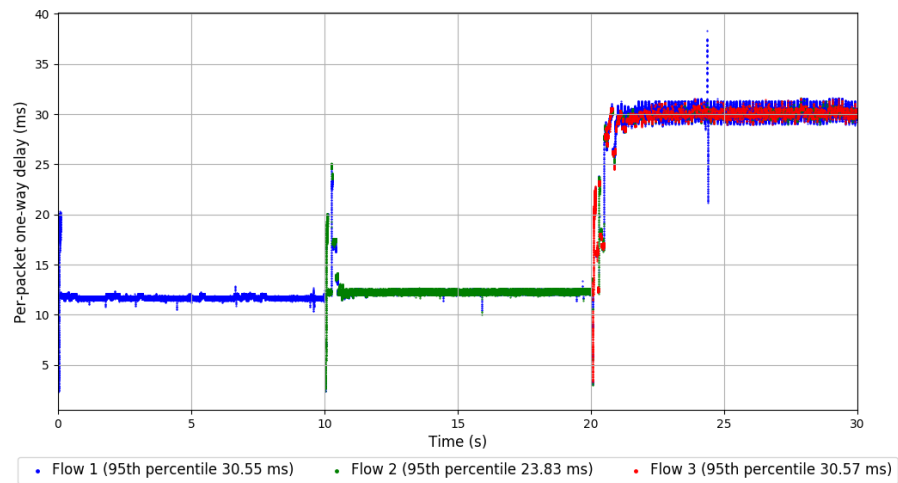
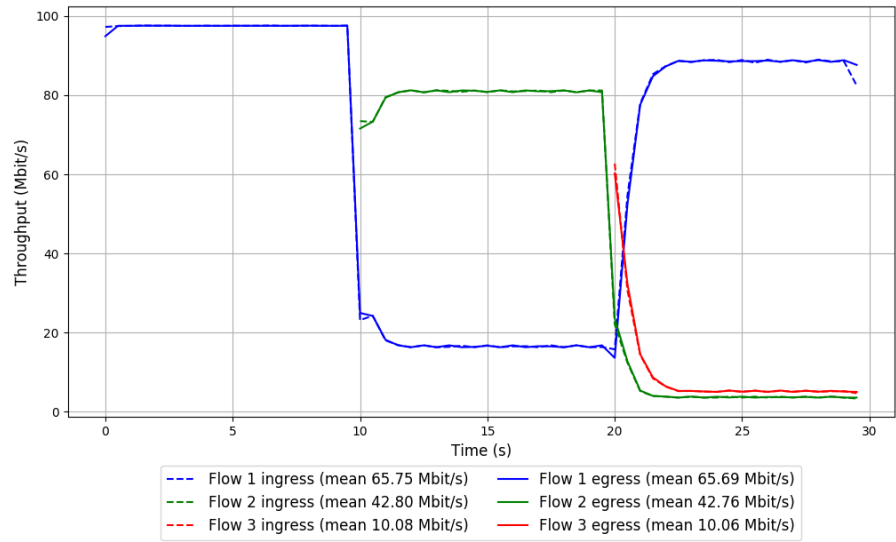
-- Flow 3:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 30.574 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

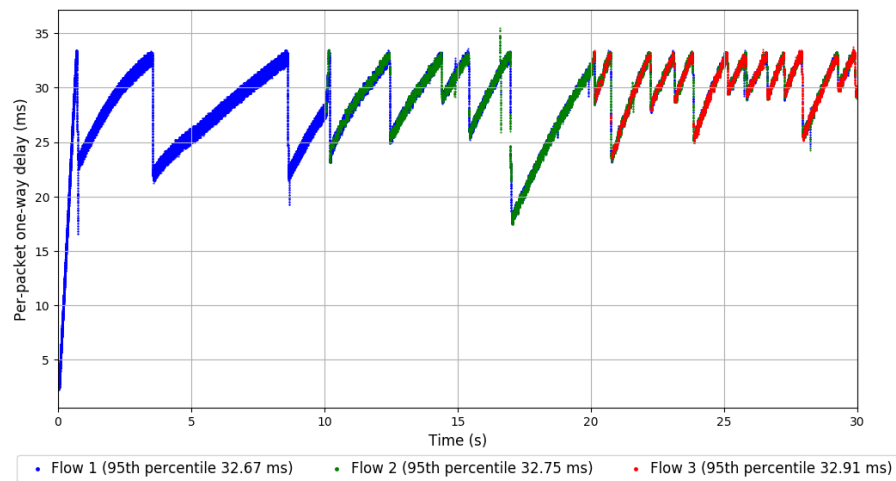
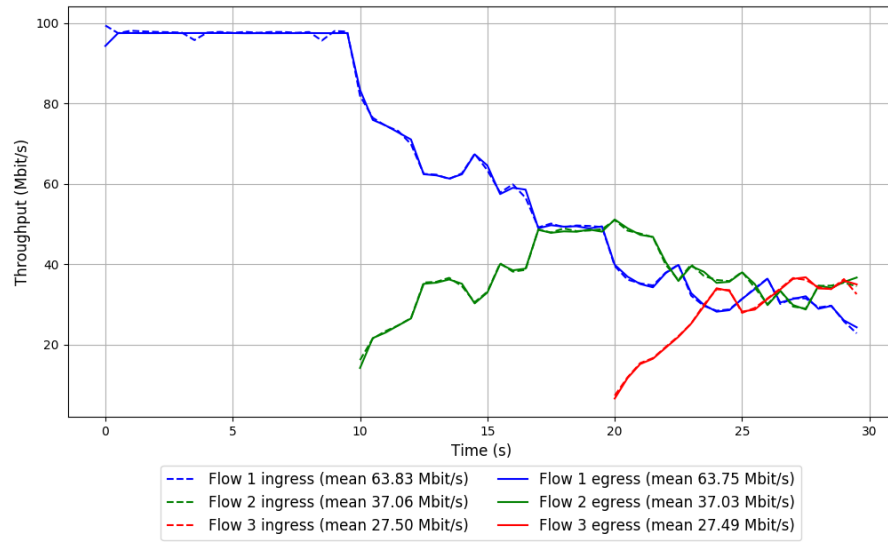


Run 1: Statistics of TCP Cubic

Start at: 2018-01-17 02:26:16
End at: 2018-01-17 02:26:46
Local clock offset: 0.445 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-01-17 06:16:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.718 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 32.675 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 32.748 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 32.907 ms
Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

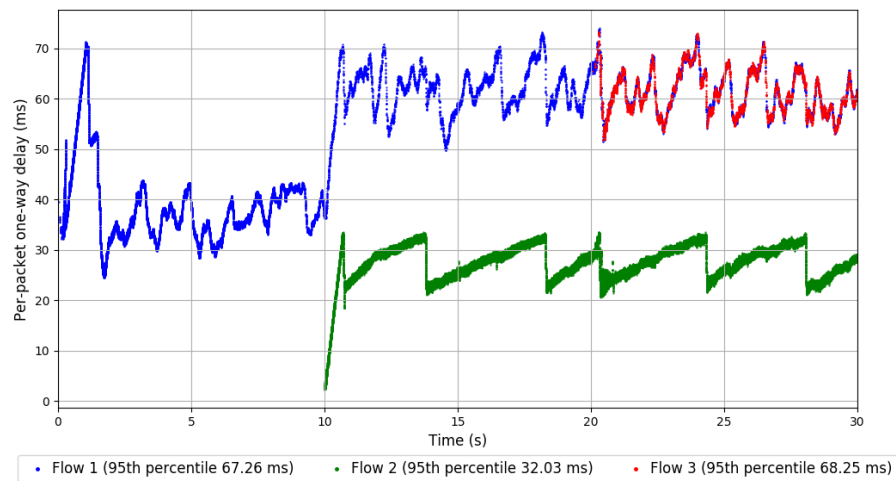
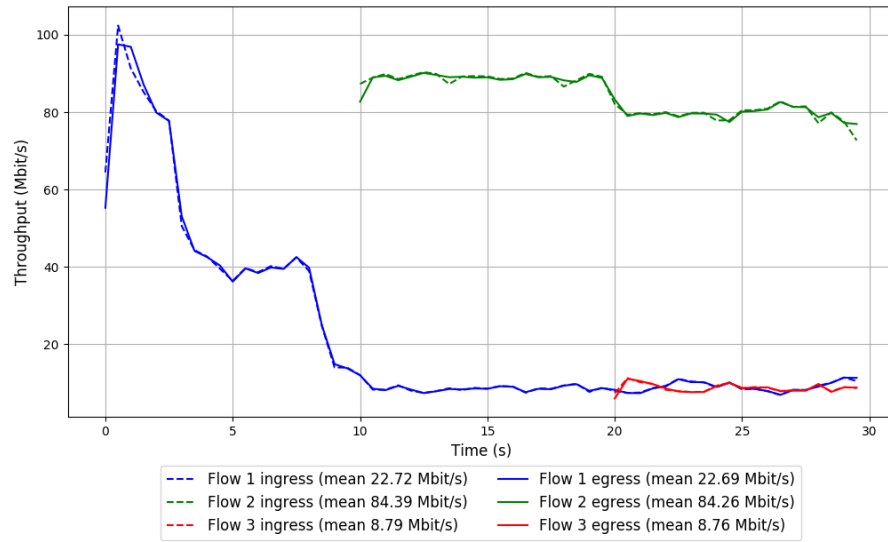


Run 2: Statistics of TCP Cubic

Start at: 2018-01-17 02:46:58
End at: 2018-01-17 02:47:28
Local clock offset: 0.434 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-01-17 06:16:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 67.264 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 68.247 ms
Loss rate: 0.71%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-17 03:07:41

End at: 2018-01-17 03:08:11

Local clock offset: 0.374 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-01-17 06:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 32.693 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 64.71 Mbit/s

95th percentile per-packet one-way delay: 32.650 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 32.719 ms

Loss rate: 0.09%

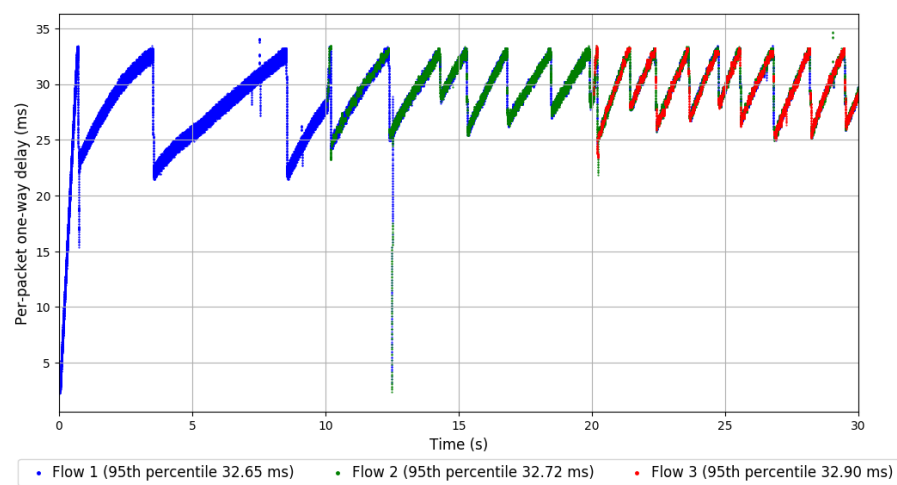
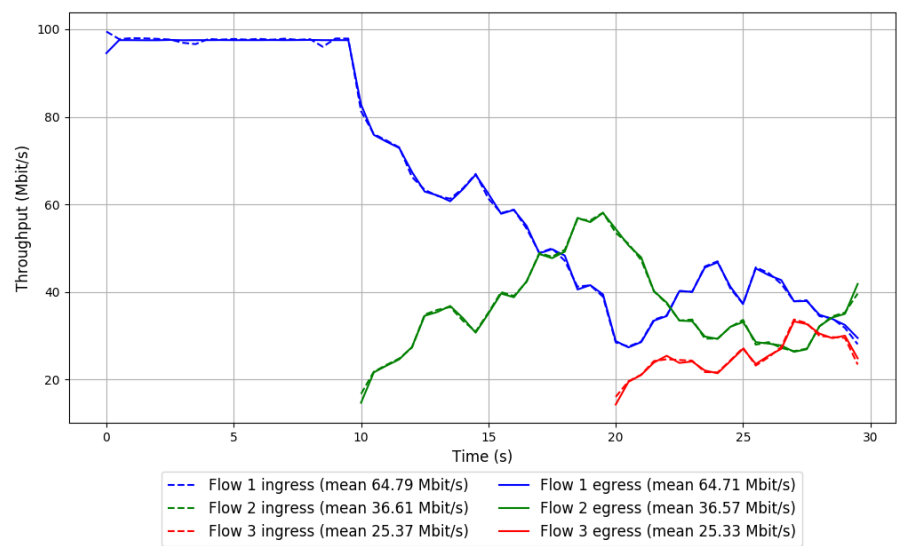
-- Flow 3:

Average throughput: 25.33 Mbit/s

95th percentile per-packet one-way delay: 32.904 ms

Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-17 03:28:22

End at: 2018-01-17 03:28:52

Local clock offset: 0.376 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2018-01-17 06:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.691 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.57 Mbit/s

95th percentile per-packet one-way delay: 32.539 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 32.725 ms

Loss rate: 0.09%

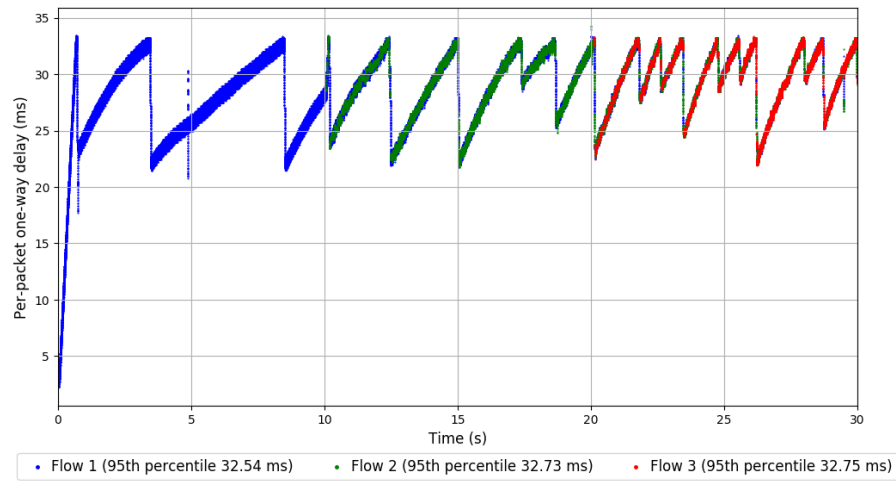
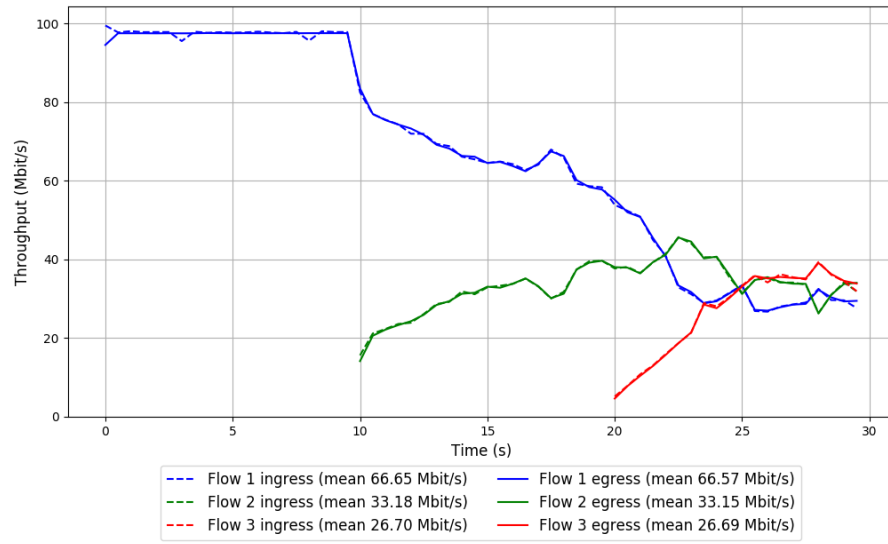
-- Flow 3:

Average throughput: 26.69 Mbit/s

95th percentile per-packet one-way delay: 32.748 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-17 03:49:06

End at: 2018-01-17 03:49:36

Local clock offset: 0.34 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2018-01-17 06:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.696 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.21 Mbit/s

95th percentile per-packet one-way delay: 32.577 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.27 Mbit/s

95th percentile per-packet one-way delay: 32.759 ms

Loss rate: 0.07%

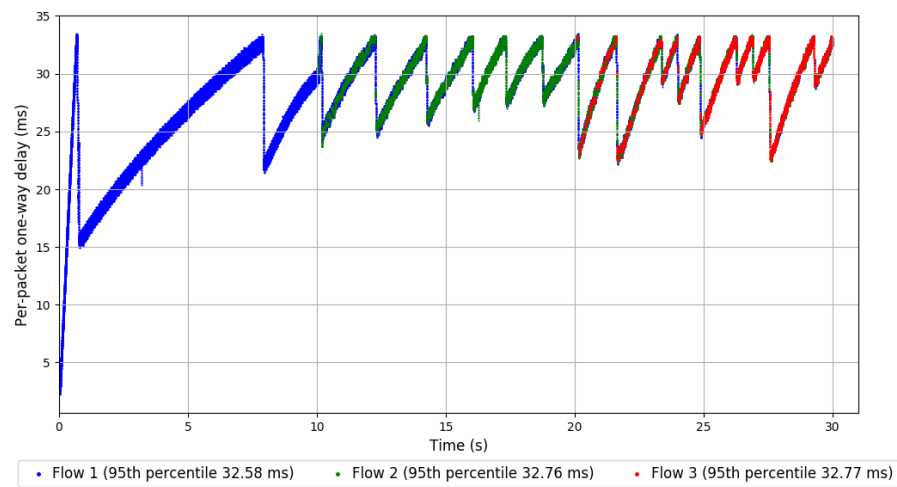
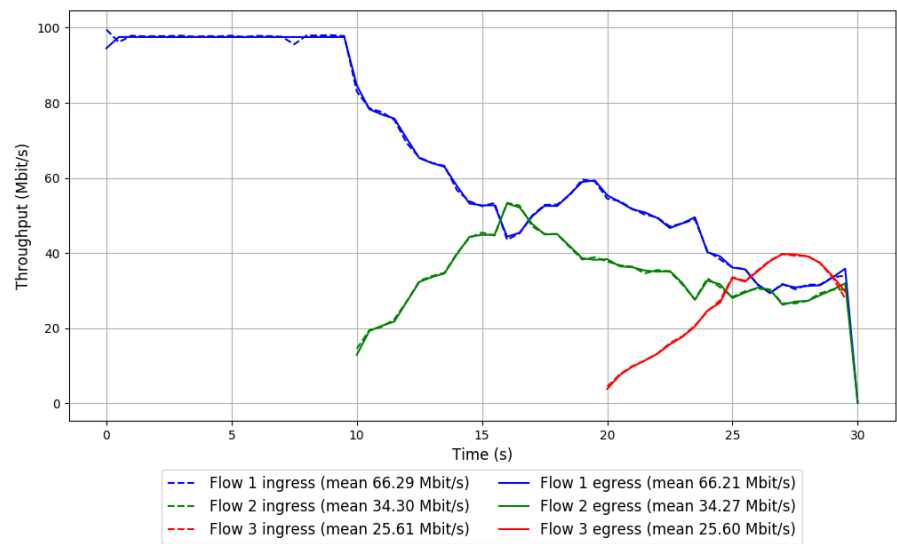
-- Flow 3:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 32.771 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-17 04:09:50

End at: 2018-01-17 04:10:20

Local clock offset: 0.302 ms

Remote clock offset: 1.797 ms

Below is generated by plot.py at 2018-01-17 06:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.788 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 32.748 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 32.52 Mbit/s

95th percentile per-packet one-way delay: 32.828 ms

Loss rate: 0.09%

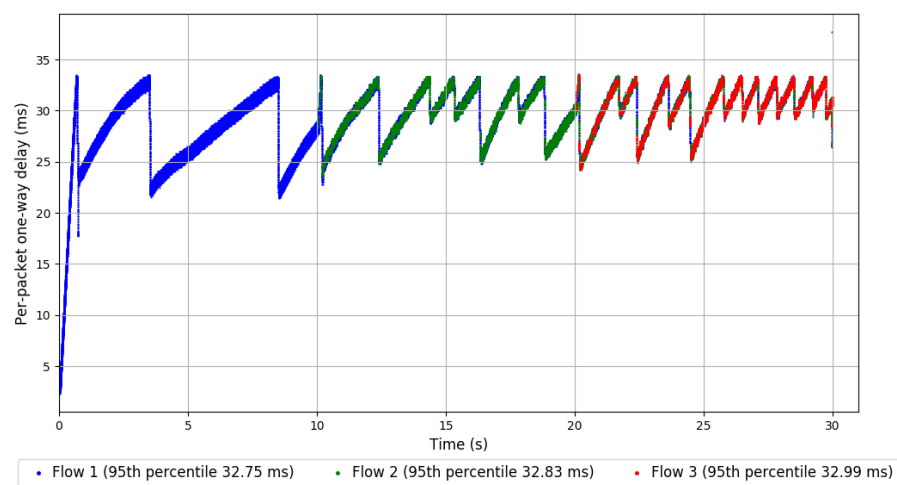
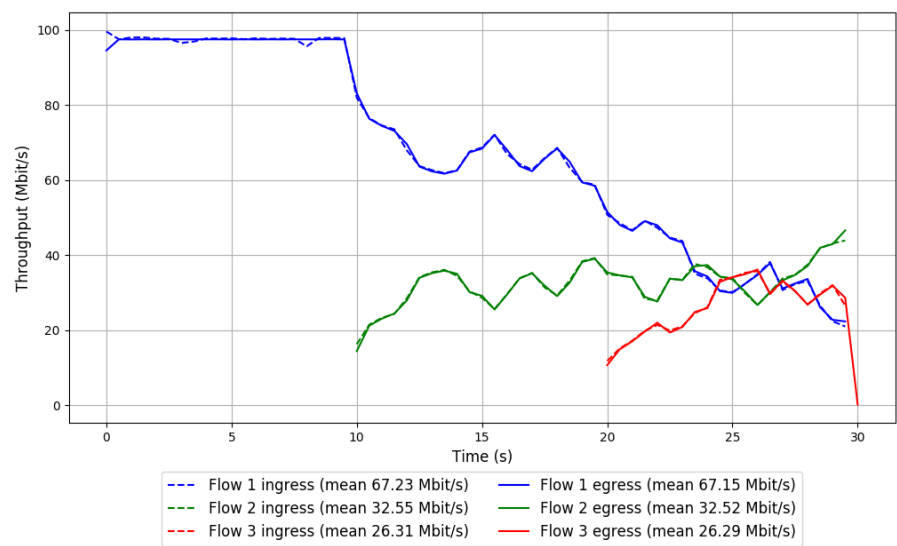
-- Flow 3:

Average throughput: 26.29 Mbit/s

95th percentile per-packet one-way delay: 32.994 ms

Loss rate: 0.08%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 04:30:34

End at: 2018-01-17 04:31:04

Local clock offset: 0.294 ms

Remote clock offset: 1.741 ms

Below is generated by plot.py at 2018-01-17 06:17:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.769 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 64.93 Mbit/s

95th percentile per-packet one-way delay: 32.681 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 32.813 ms

Loss rate: 0.06%

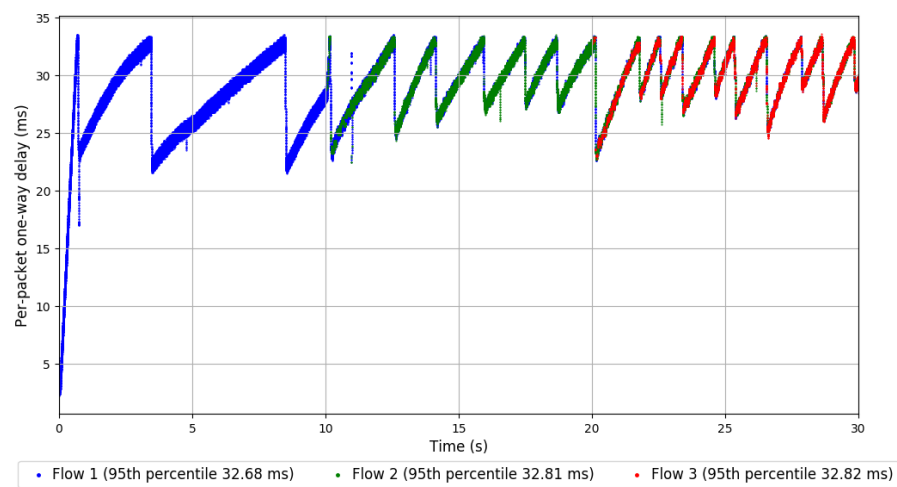
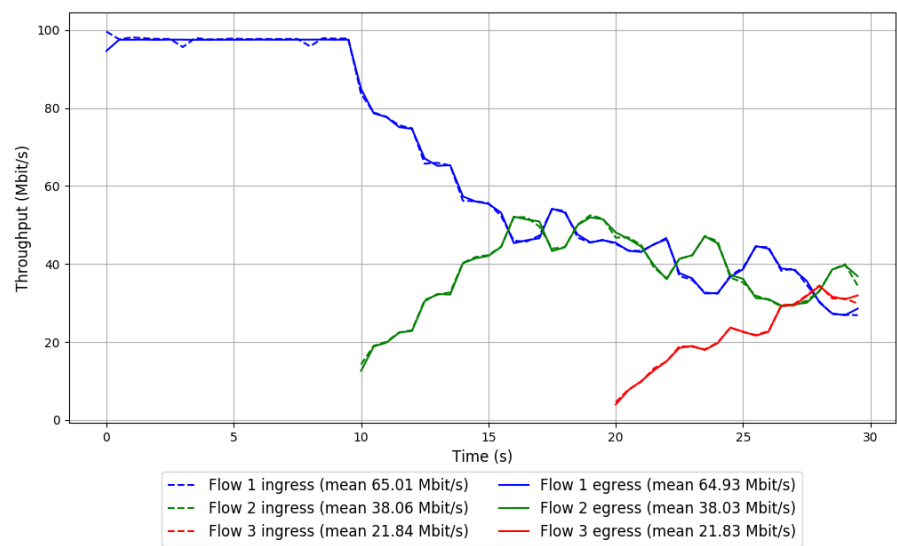
-- Flow 3:

Average throughput: 21.83 Mbit/s

95th percentile per-packet one-way delay: 32.817 ms

Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 04:51:18

End at: 2018-01-17 04:51:48

Local clock offset: 0.354 ms

Remote clock offset: 1.598 ms

Below is generated by plot.py at 2018-01-17 06:17:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 32.619 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 32.449 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.70 Mbit/s

95th percentile per-packet one-way delay: 32.723 ms

Loss rate: 0.07%

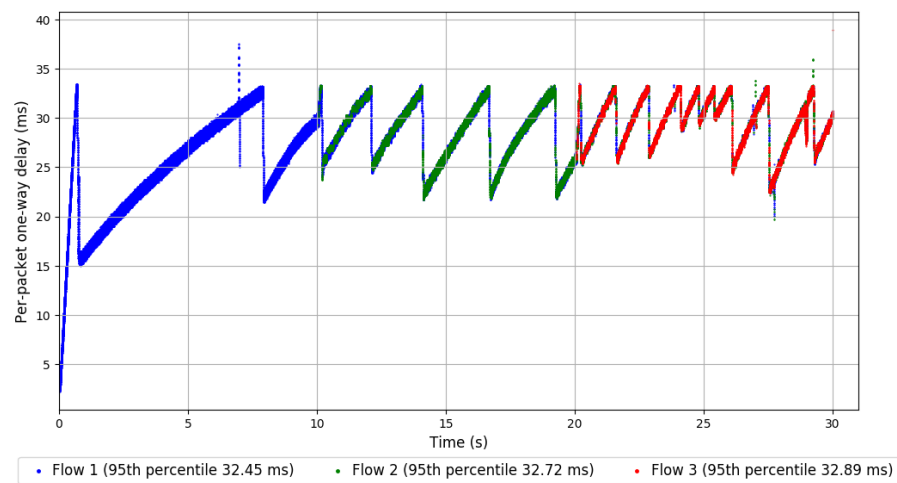
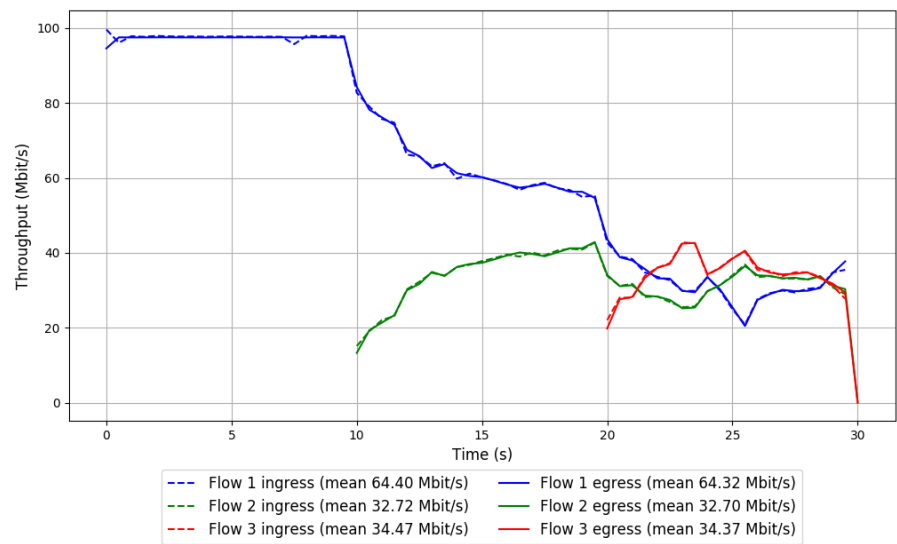
-- Flow 3:

Average throughput: 34.37 Mbit/s

95th percentile per-packet one-way delay: 32.893 ms

Loss rate: 0.14%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 05:12:02

End at: 2018-01-17 05:12:32

Local clock offset: 0.275 ms

Remote clock offset: 1.253 ms

Below is generated by plot.py at 2018-01-17 06:17:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.783 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 64.87 Mbit/s

95th percentile per-packet one-way delay: 32.726 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 32.852 ms

Loss rate: 0.09%

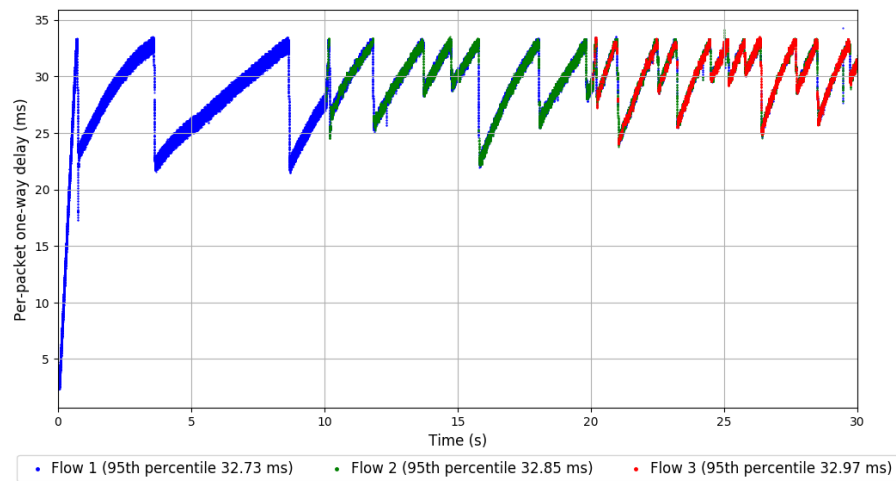
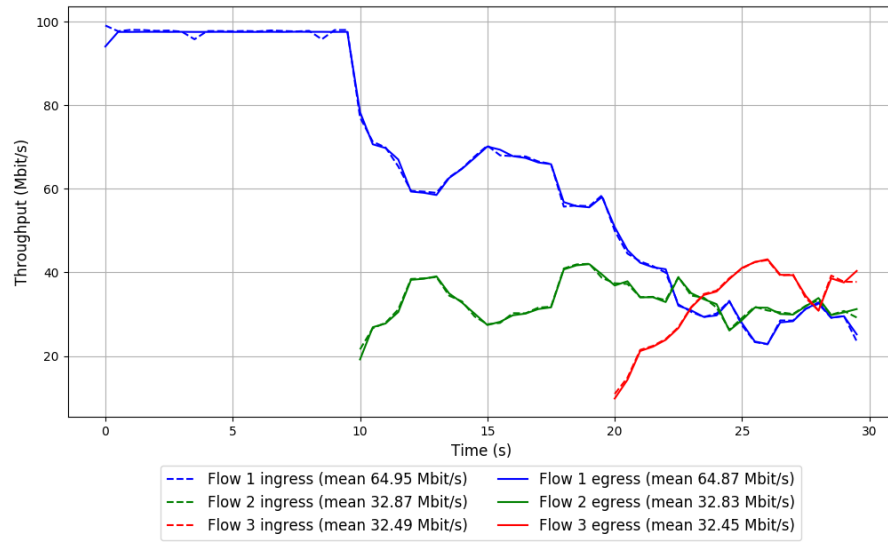
-- Flow 3:

Average throughput: 32.45 Mbit/s

95th percentile per-packet one-way delay: 32.972 ms

Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 05:32:45

End at: 2018-01-17 05:33:15

Local clock offset: 0.291 ms

Remote clock offset: 0.857 ms

Below is generated by plot.py at 2018-01-17 06:17:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.673 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 32.589 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 32.730 ms

Loss rate: 0.10%

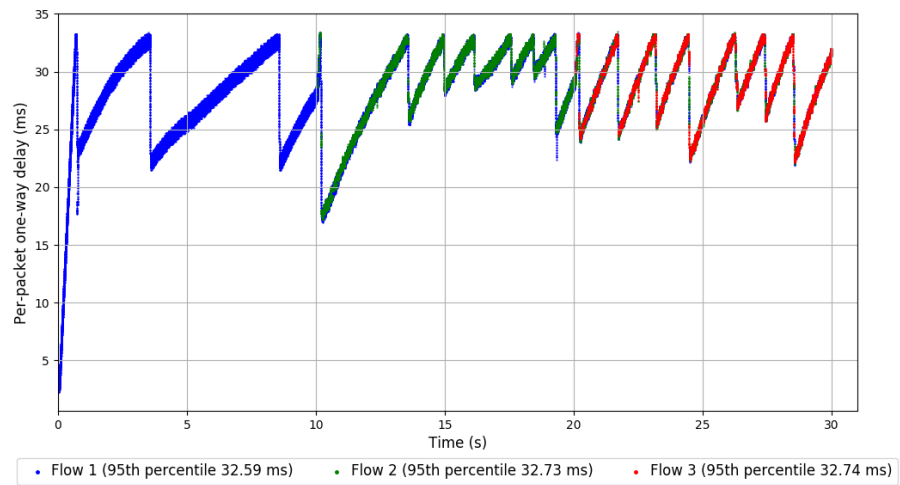
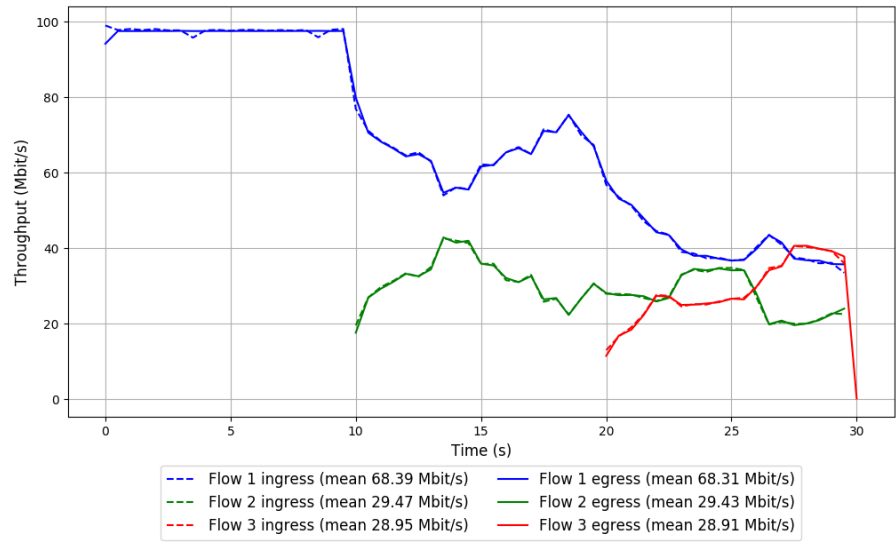
-- Flow 3:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 32.740 ms

Loss rate: 0.12%

Run 10: Report of TCP Cubic — Data Link

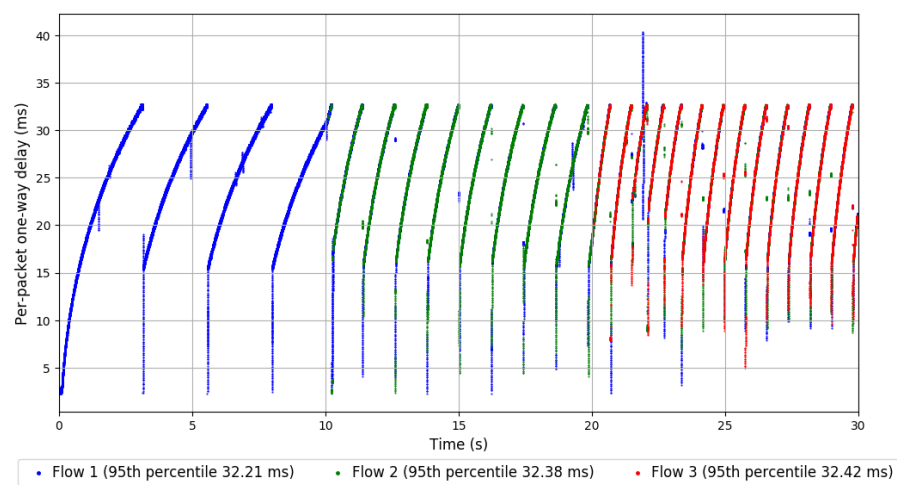
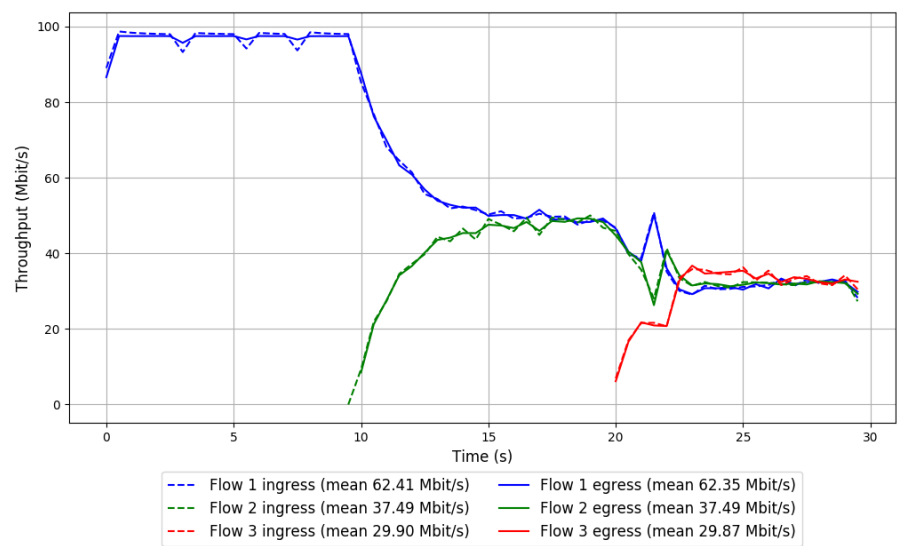


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-17 02:28:37
End at: 2018-01-17 02:29:07
Local clock offset: 0.441 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-01-17 06:17:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.238 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 32.207 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 32.380 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

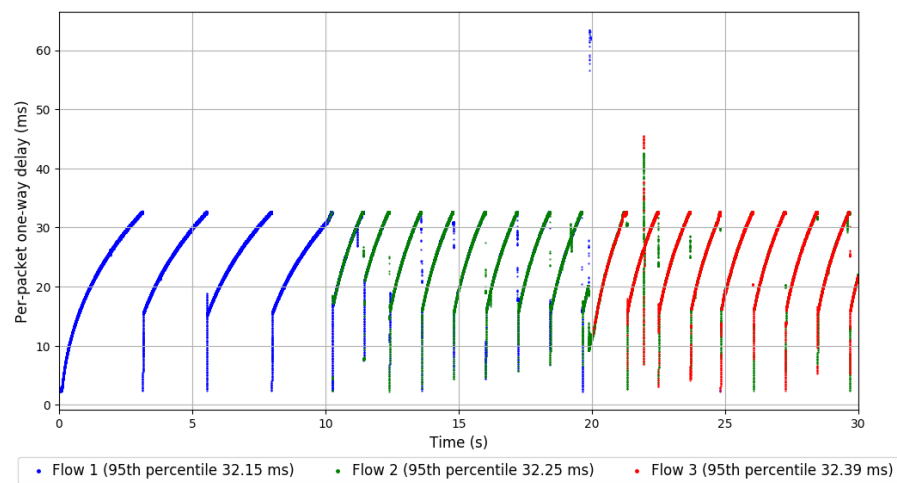
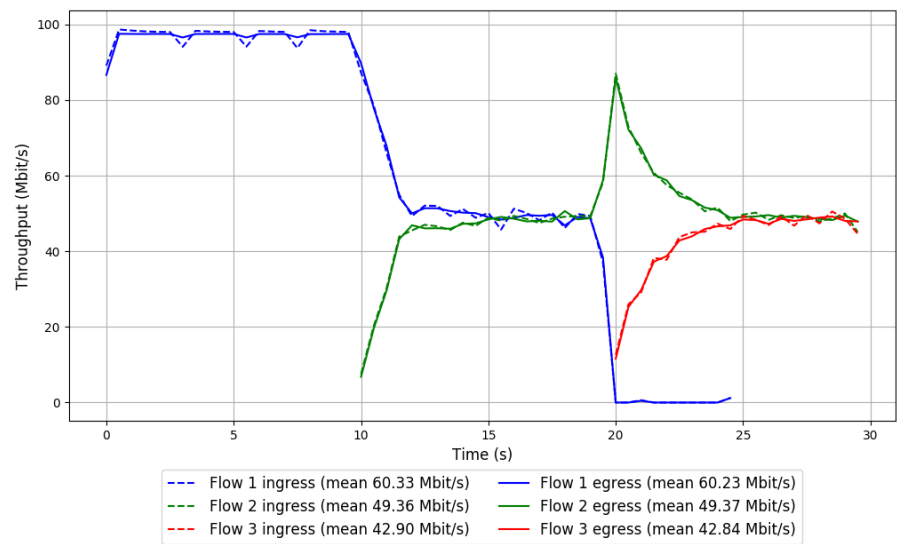


Run 2: Statistics of LEDBAT

Start at: 2018-01-17 02:49:18
End at: 2018-01-17 02:49:48
Local clock offset: 0.448 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-01-17 06:18:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.222 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 32.149 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 32.394 ms
Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-17 03:10:02

End at: 2018-01-17 03:10:32

Local clock offset: 0.418 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-01-17 06:18:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 32.265 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 32.216 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 32.398 ms

Loss rate: 0.05%

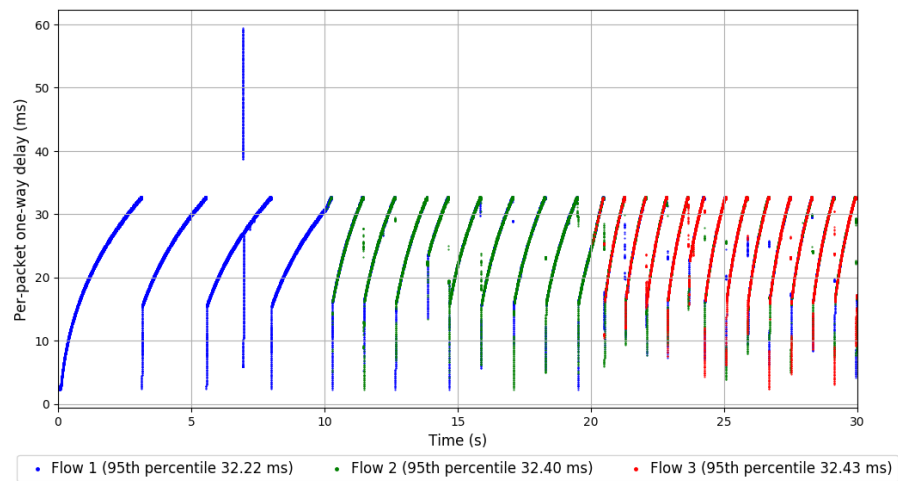
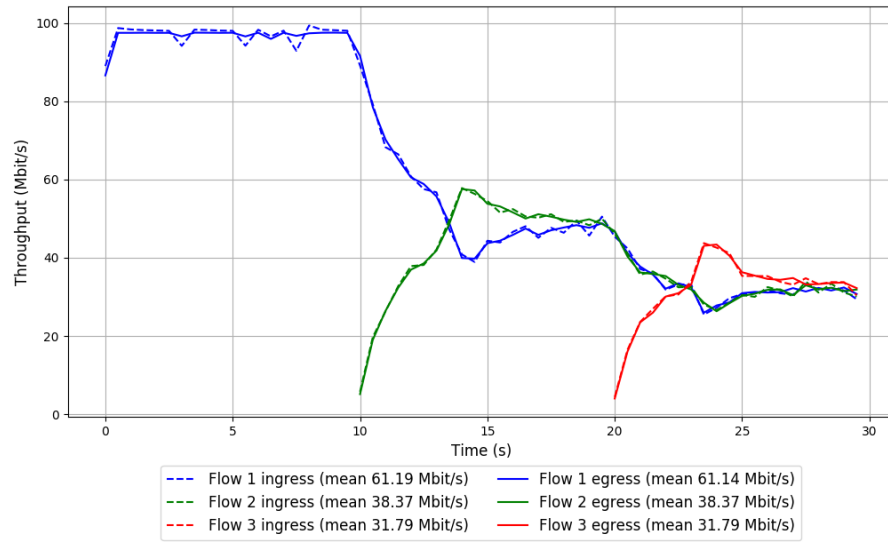
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 32.431 ms

Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-17 03:30:43

End at: 2018-01-17 03:31:13

Local clock offset: 0.394 ms

Remote clock offset: 0.578 ms

Below is generated by plot.py at 2018-01-17 06:18:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 32.187 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 32.160 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 32.334 ms

Loss rate: 0.05%

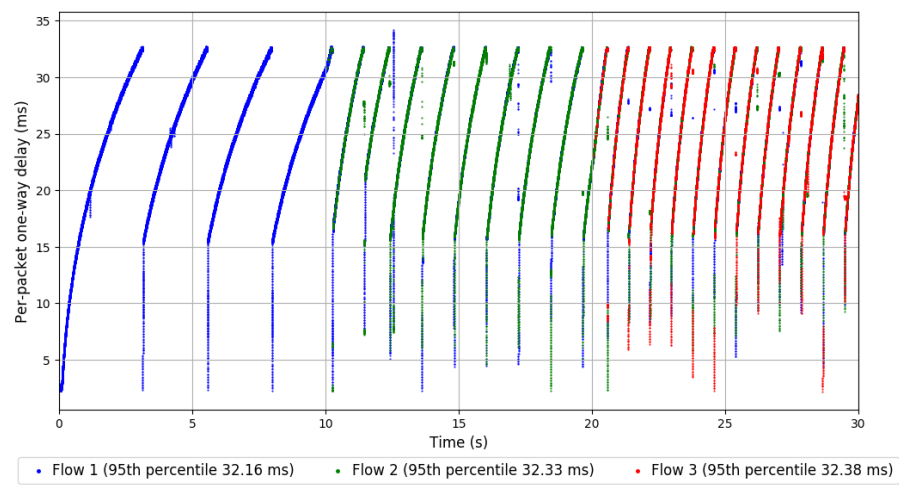
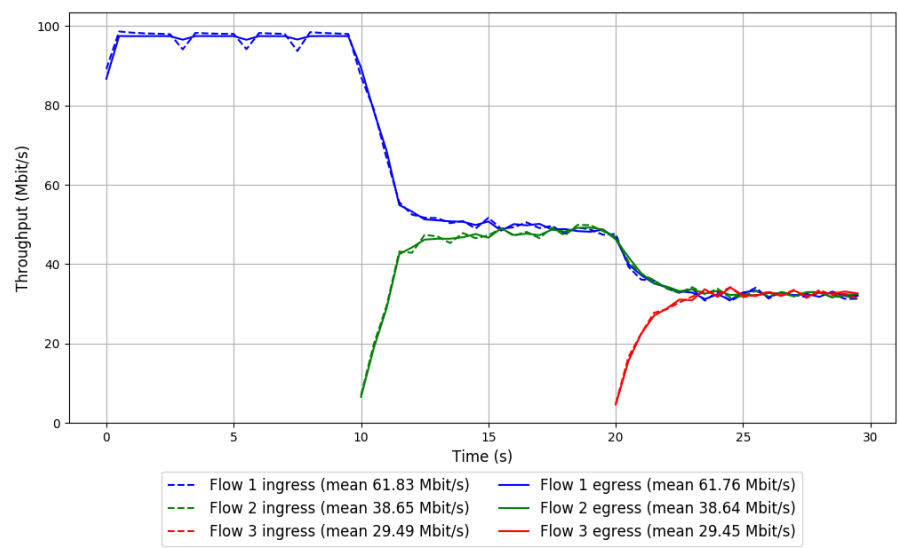
-- Flow 3:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: 32.376 ms

Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-17 03:51:27

End at: 2018-01-17 03:51:57

Local clock offset: 0.341 ms

Remote clock offset: 1.356 ms

Below is generated by plot.py at 2018-01-17 06:19:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 32.225 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 64.12 Mbit/s

95th percentile per-packet one-way delay: 32.175 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.63 Mbit/s

95th percentile per-packet one-way delay: 32.407 ms

Loss rate: 0.07%

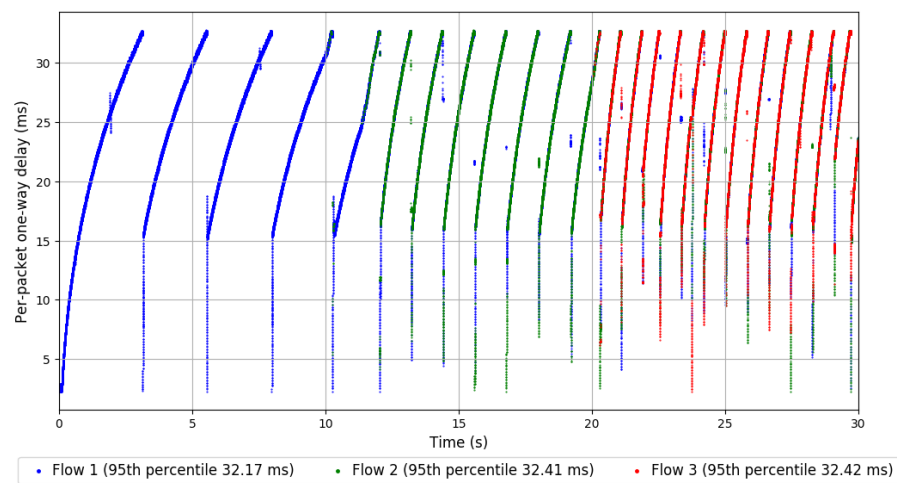
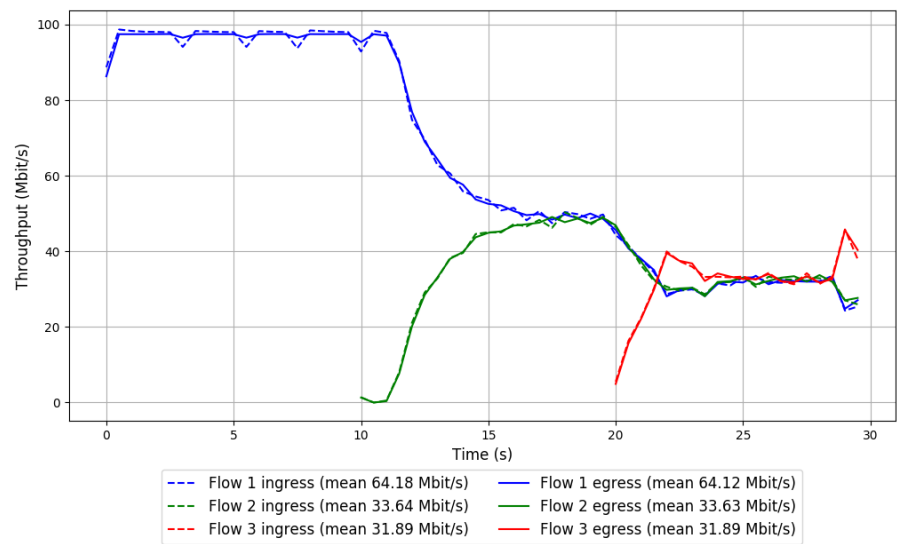
-- Flow 3:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 32.419 ms

Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-17 04:12:11

End at: 2018-01-17 04:12:41

Local clock offset: 0.361 ms

Remote clock offset: 1.799 ms

Below is generated by plot.py at 2018-01-17 06:19:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 32.242 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 62.54 Mbit/s

95th percentile per-packet one-way delay: 32.215 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 37.53 Mbit/s

95th percentile per-packet one-way delay: 32.427 ms

Loss rate: 0.06%

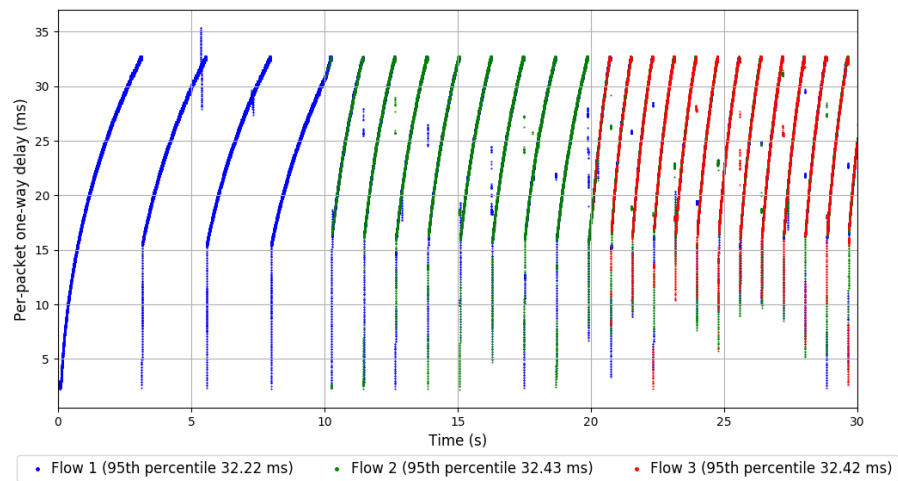
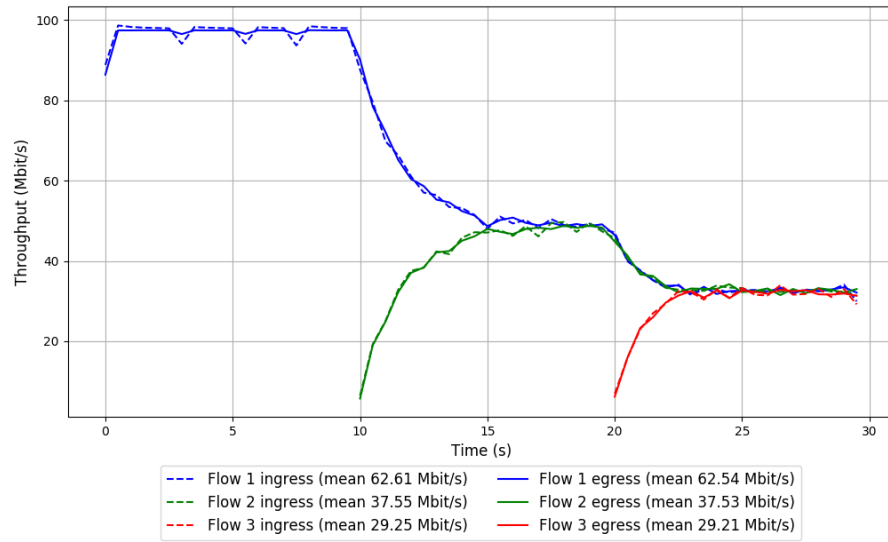
-- Flow 3:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 32.422 ms

Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-17 04:32:55

End at: 2018-01-17 04:33:25

Local clock offset: 0.304 ms

Remote clock offset: 1.745 ms

Below is generated by plot.py at 2018-01-17 06:19:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 32.276 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.06 Mbit/s

95th percentile per-packet one-way delay: 32.229 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.89 Mbit/s

95th percentile per-packet one-way delay: 32.442 ms

Loss rate: 0.06%

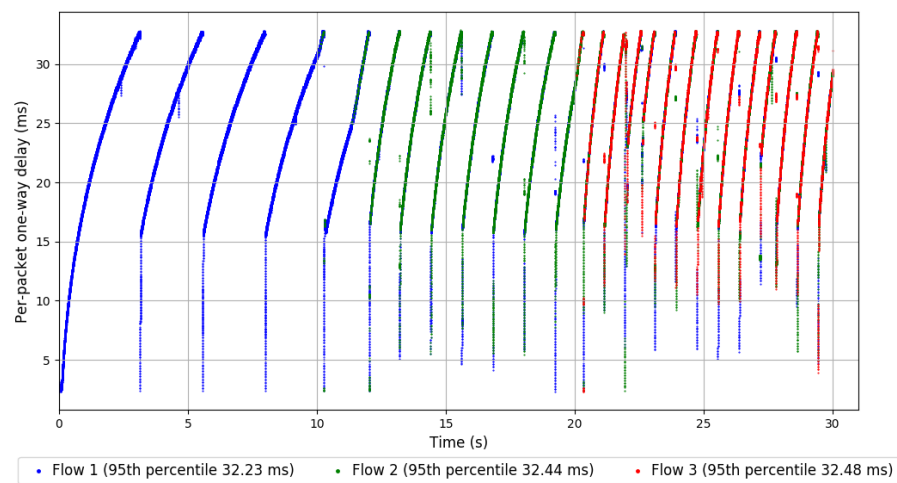
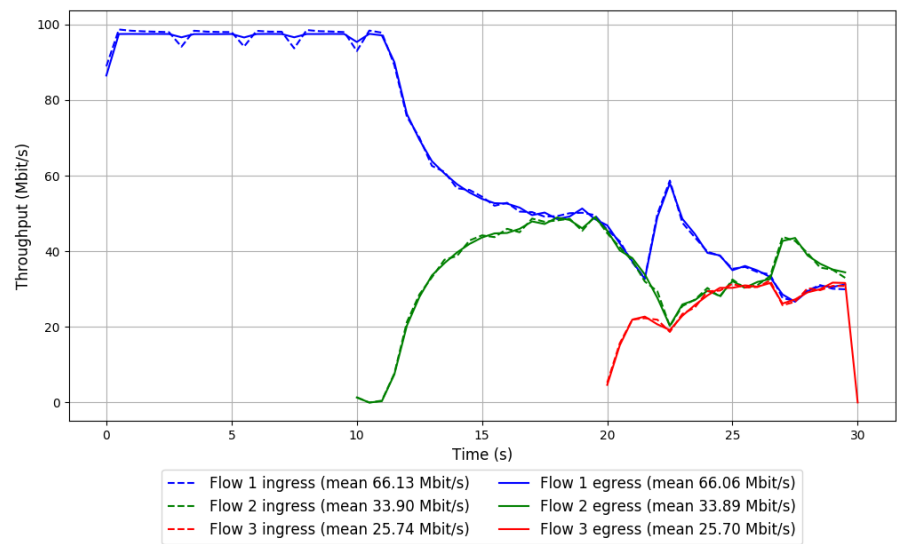
-- Flow 3:

Average throughput: 25.70 Mbit/s

95th percentile per-packet one-way delay: 32.480 ms

Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-17 04:53:39

End at: 2018-01-17 04:54:09

Local clock offset: 0.287 ms

Remote clock offset: 1.569 ms

Below is generated by plot.py at 2018-01-17 06:19:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 32.330 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.44 Mbit/s

95th percentile per-packet one-way delay: 32.278 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 32.491 ms

Loss rate: 0.05%

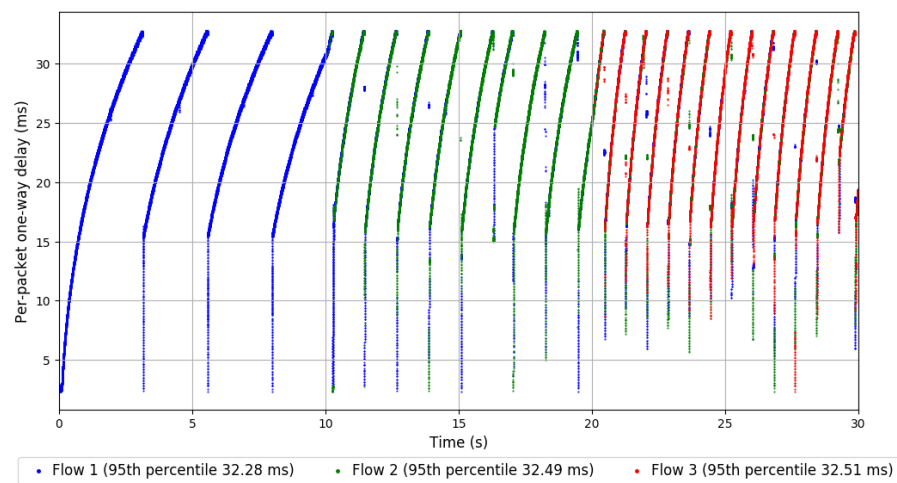
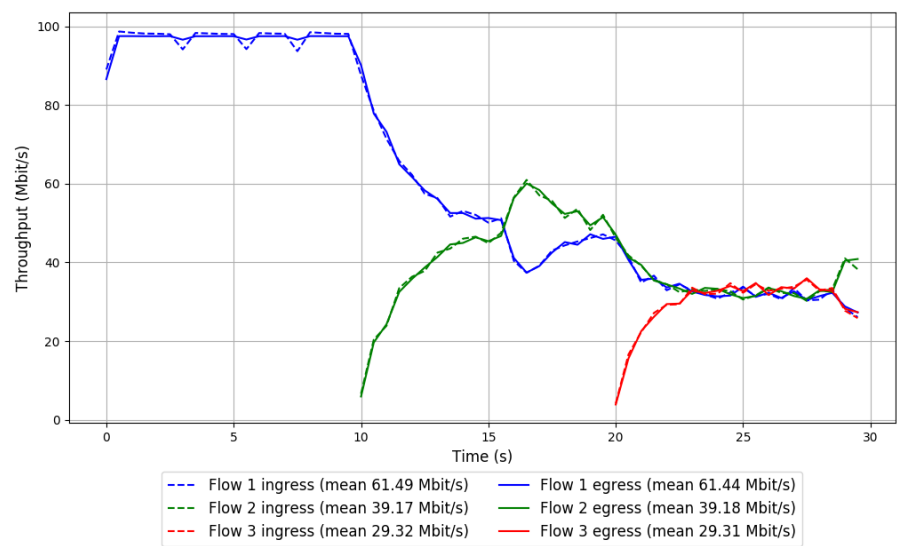
-- Flow 3:

Average throughput: 29.31 Mbit/s

95th percentile per-packet one-way delay: 32.512 ms

Loss rate: 0.11%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-17 05:14:23

End at: 2018-01-17 05:14:53

Local clock offset: 0.303 ms

Remote clock offset: 1.231 ms

Below is generated by plot.py at 2018-01-17 06:19:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 32.278 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 63.56 Mbit/s

95th percentile per-packet one-way delay: 32.241 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 32.445 ms

Loss rate: 0.07%

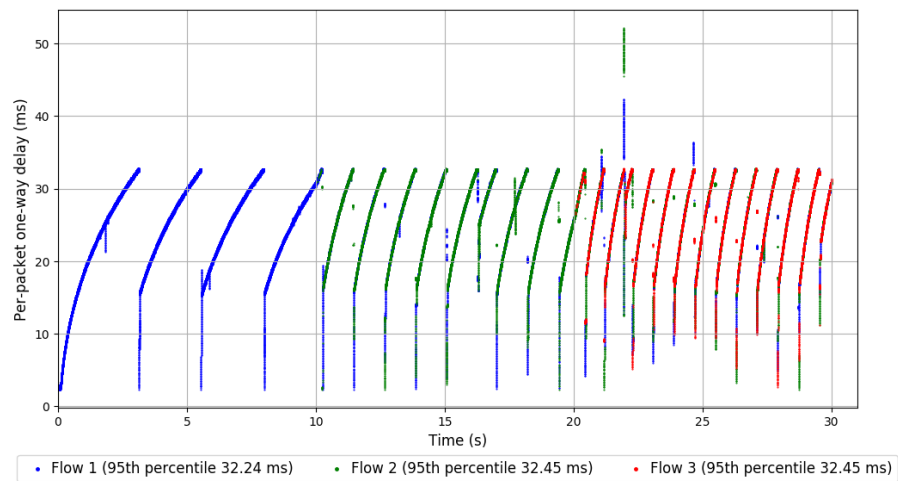
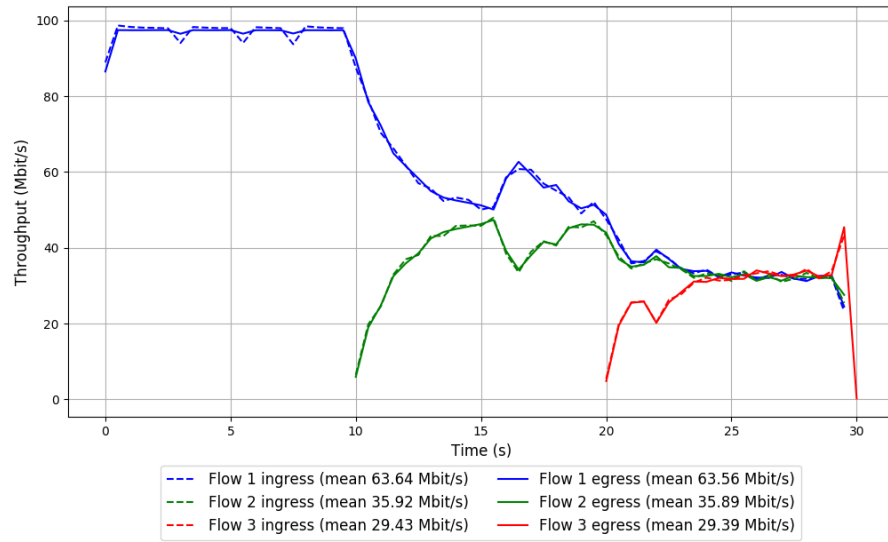
-- Flow 3:

Average throughput: 29.39 Mbit/s

95th percentile per-packet one-way delay: 32.449 ms

Loss rate: 0.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-17 05:35:06

End at: 2018-01-17 05:35:36

Local clock offset: 0.292 ms

Remote clock offset: 0.823 ms

Below is generated by plot.py at 2018-01-17 06:19:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 32.225 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.66 Mbit/s

95th percentile per-packet one-way delay: 32.198 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.91 Mbit/s

95th percentile per-packet one-way delay: 32.277 ms

Loss rate: 0.05%

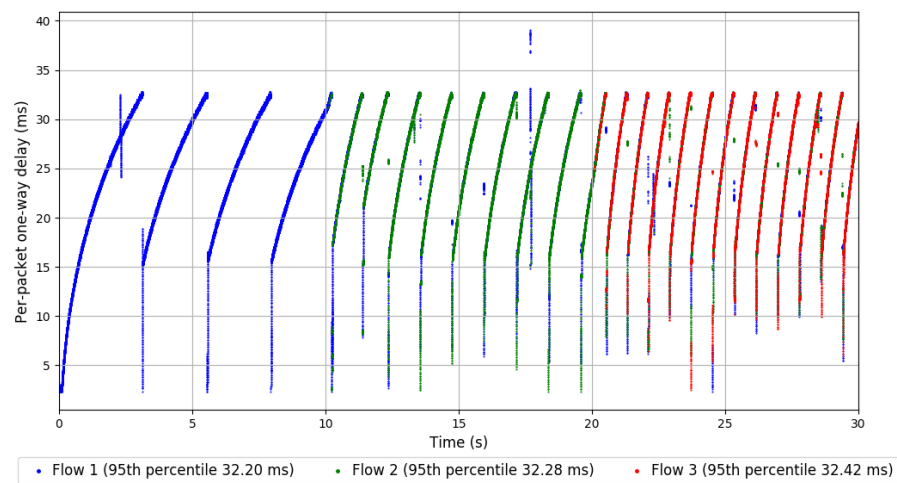
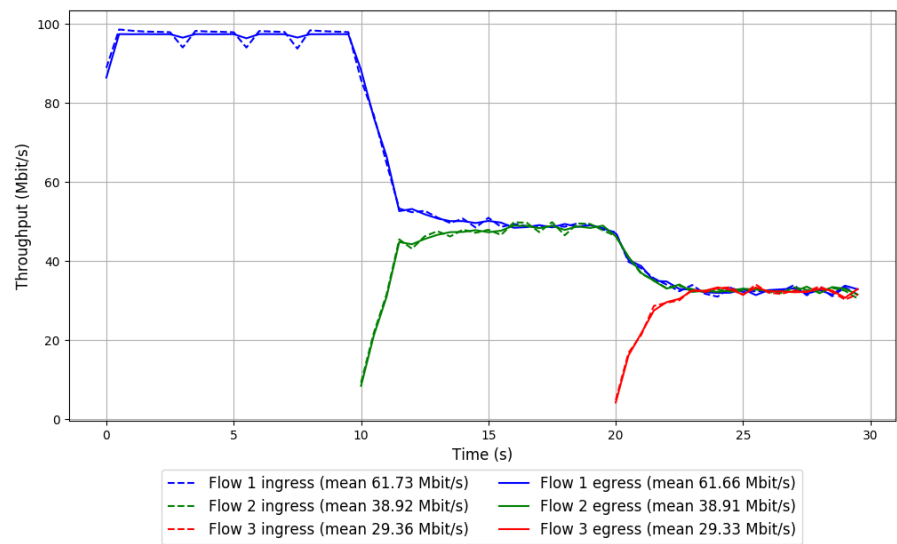
-- Flow 3:

Average throughput: 29.33 Mbit/s

95th percentile per-packet one-way delay: 32.421 ms

Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

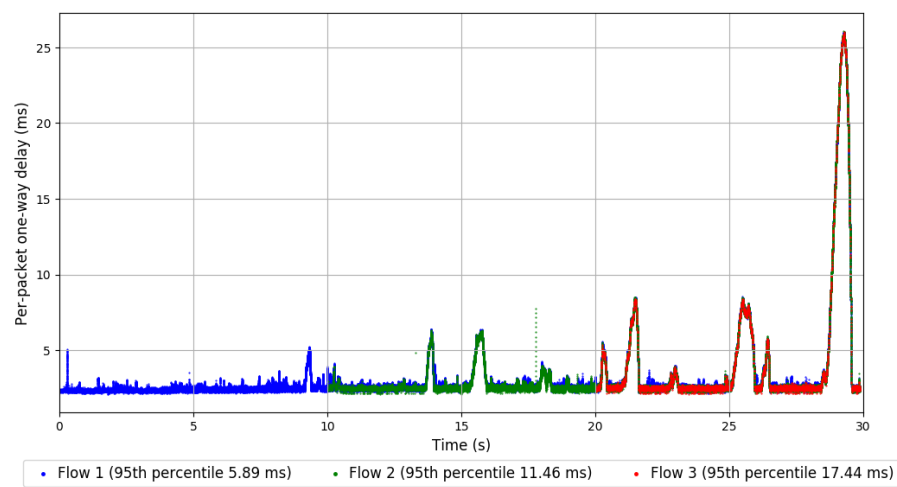
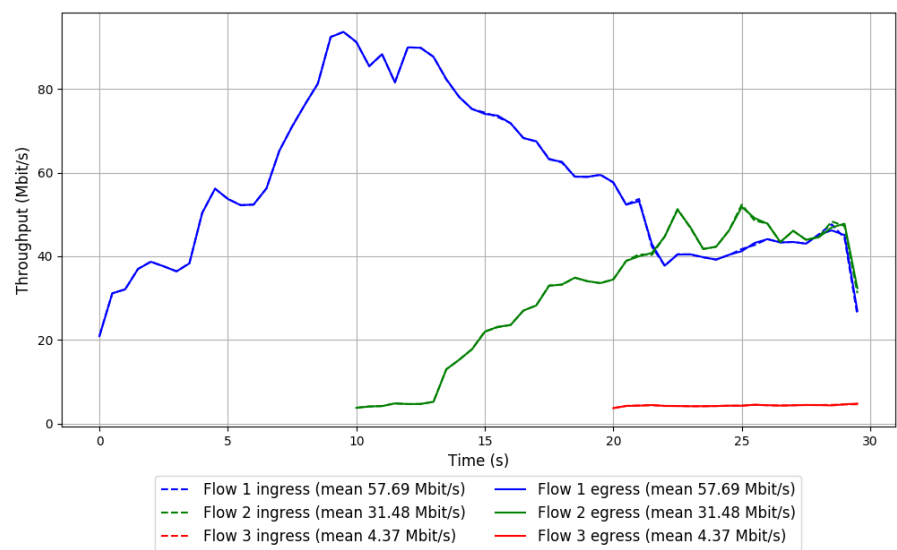


Run 1: Statistics of PCC

Start at: 2018-01-17 02:35:37
End at: 2018-01-17 02:36:07
Local clock offset: 0.454 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-01-17 06:19:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 7.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 5.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 11.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 17.436 ms
Loss rate: 0.00%

Run 1: Report of PCC — Data Link

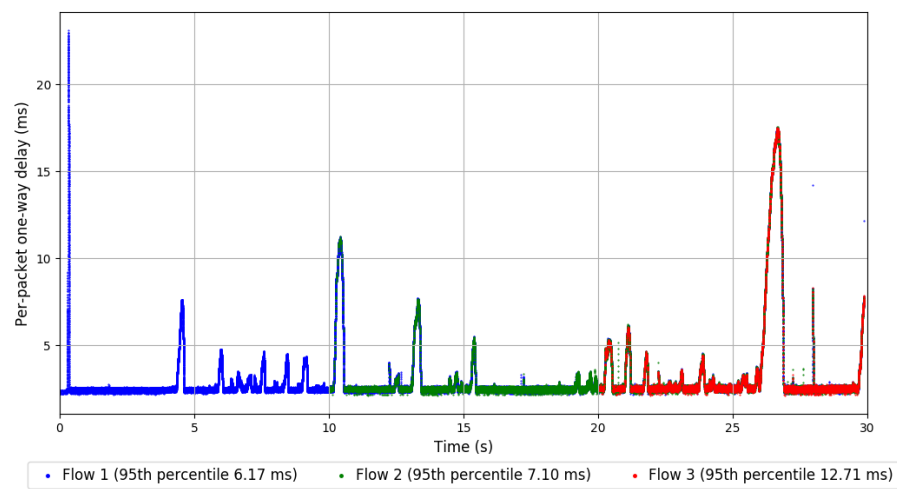
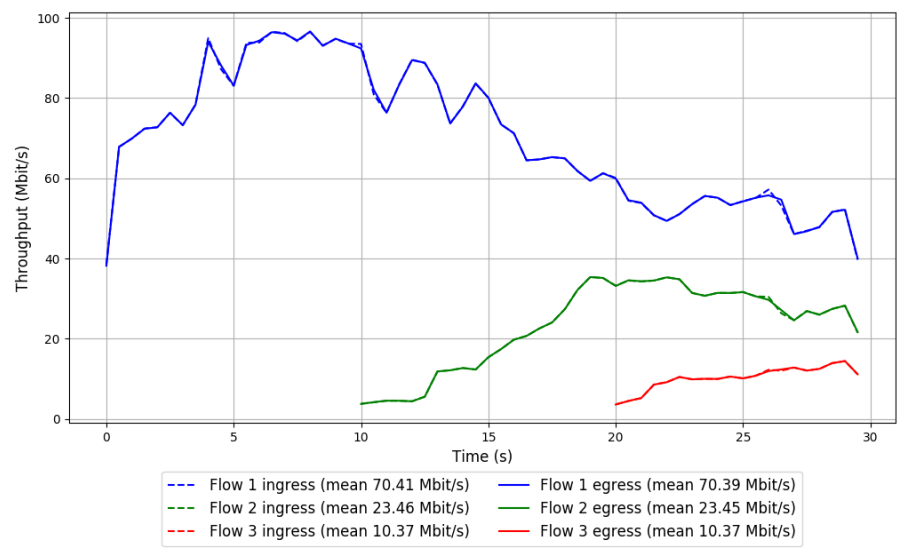


Run 2: Statistics of PCC

Start at: 2018-01-17 02:56:20
End at: 2018-01-17 02:56:50
Local clock offset: 0.353 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-01-17 06:19:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 6.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 6.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 7.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 12.711 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-17 03:17:01

End at: 2018-01-17 03:17:31

Local clock offset: 0.406 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-01-17 06:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 11.069 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 10.224 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 12.094 ms

Loss rate: 0.00%

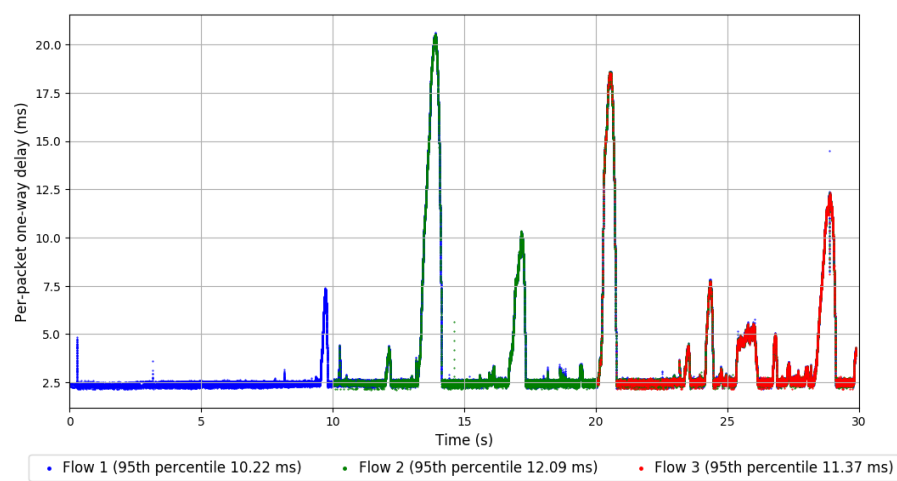
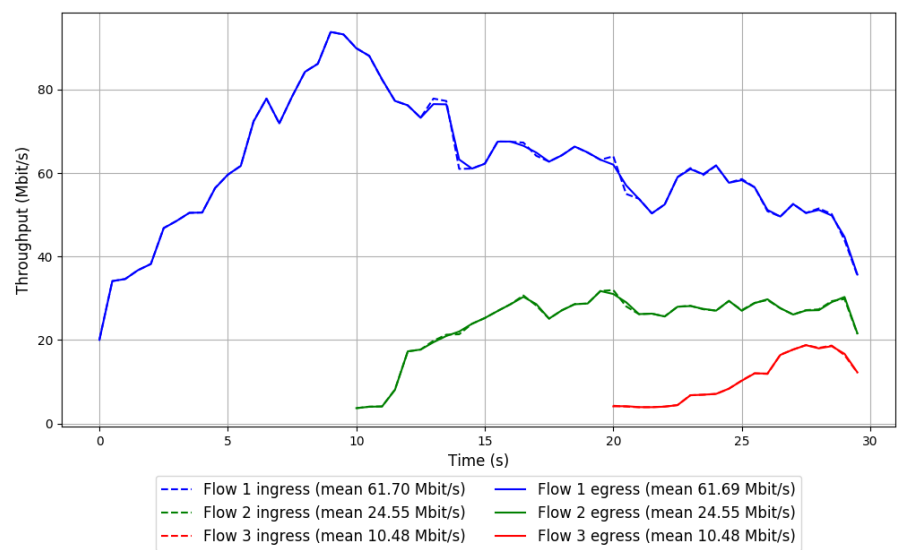
-- Flow 3:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 11.368 ms

Loss rate: 0.00%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-17 03:37:45

End at: 2018-01-17 03:38:15

Local clock offset: 0.366 ms

Remote clock offset: 0.893 ms

Below is generated by plot.py at 2018-01-17 06:20:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 13.595 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 72.78 Mbit/s

95th percentile per-packet one-way delay: 8.884 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 18.68 Mbit/s

95th percentile per-packet one-way delay: 30.633 ms

Loss rate: 0.09%

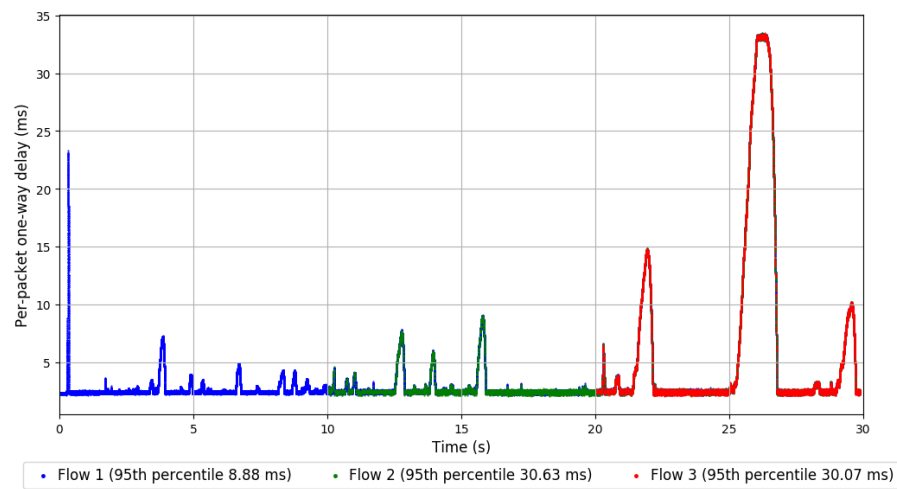
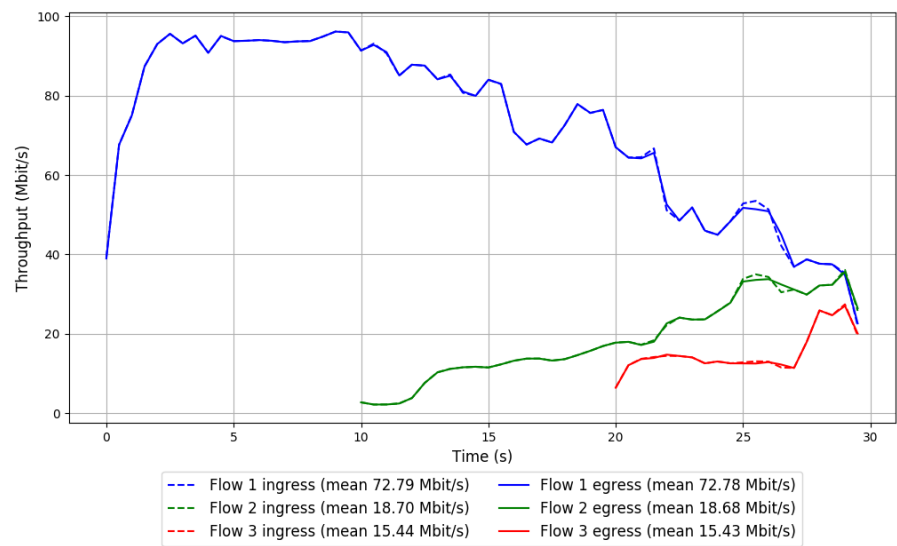
-- Flow 3:

Average throughput: 15.43 Mbit/s

95th percentile per-packet one-way delay: 30.071 ms

Loss rate: 0.07%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-17 03:58:29

End at: 2018-01-17 03:58:59

Local clock offset: 0.347 ms

Remote clock offset: 1.56 ms

Below is generated by plot.py at 2018-01-17 06:20:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 5.079 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.63 Mbit/s

95th percentile per-packet one-way delay: 4.454 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.83 Mbit/s

95th percentile per-packet one-way delay: 6.713 ms

Loss rate: 0.00%

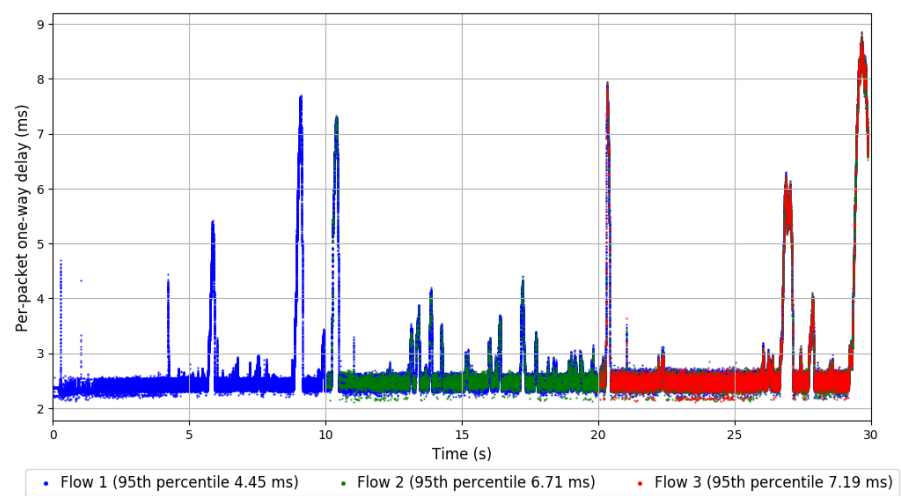
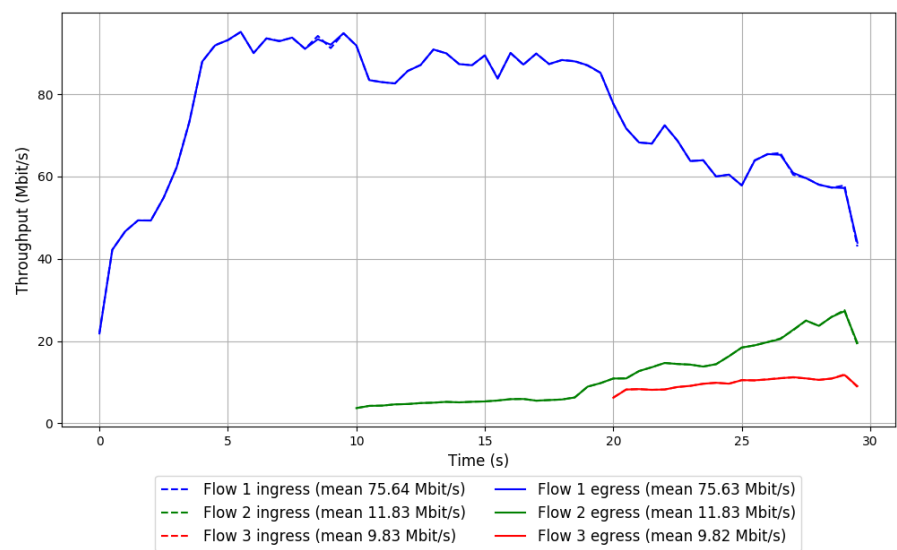
-- Flow 3:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 7.189 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-17 04:19:13

End at: 2018-01-17 04:19:43

Local clock offset: 0.365 ms

Remote clock offset: 1.81 ms

Below is generated by plot.py at 2018-01-17 06:20:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 4.408 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 4.385 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 4.728 ms

Loss rate: 0.00%

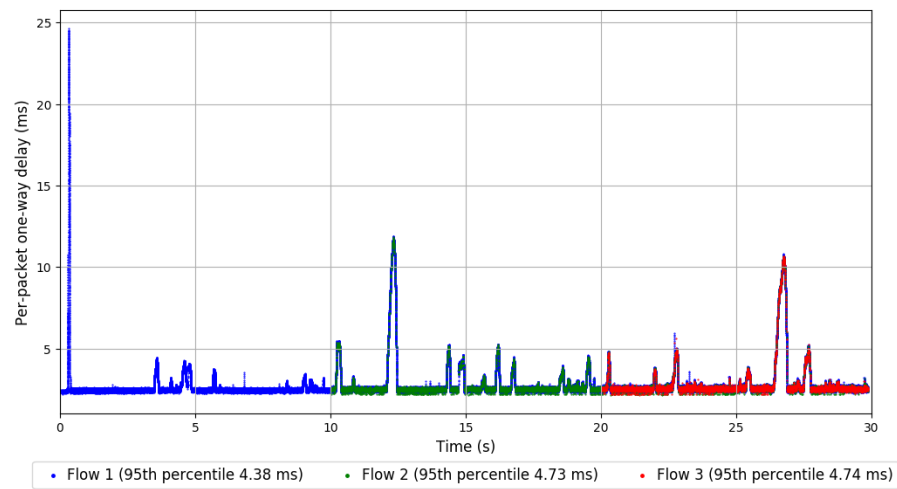
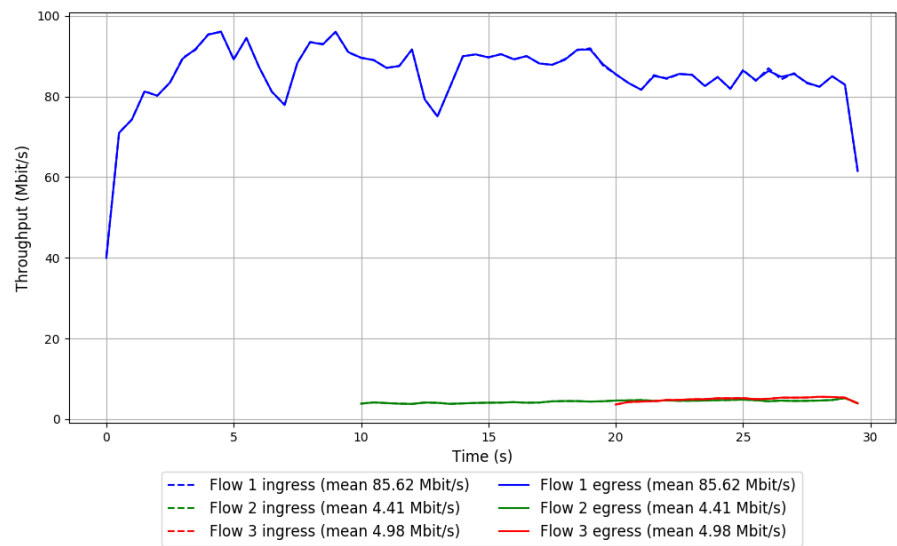
-- Flow 3:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 4.737 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-17 04:39:57

End at: 2018-01-17 04:40:27

Local clock offset: 0.275 ms

Remote clock offset: 1.753 ms

Below is generated by plot.py at 2018-01-17 06:20:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 4.190 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 4.139 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 4.428 ms

Loss rate: 0.00%

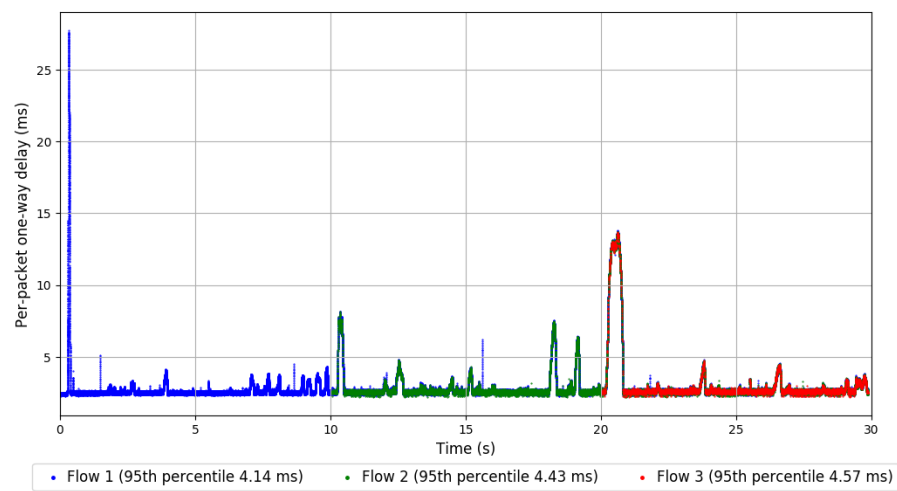
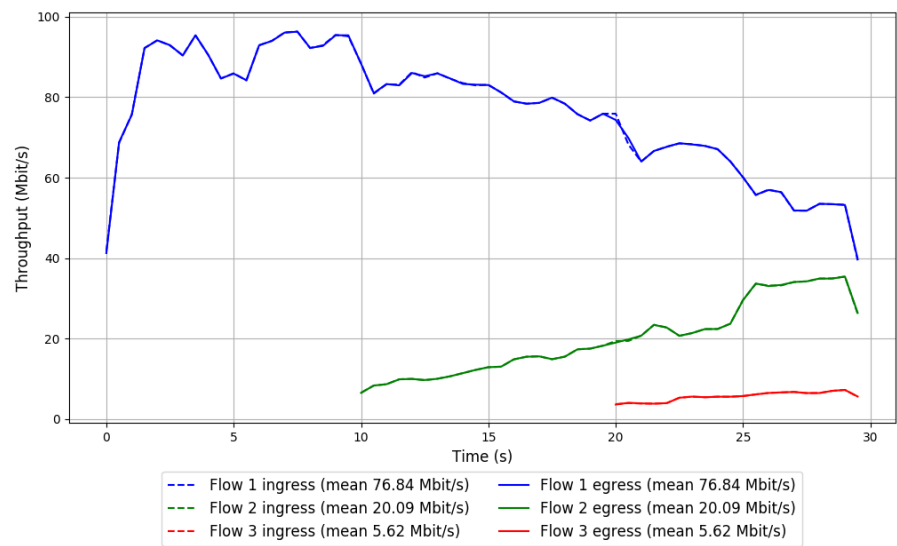
-- Flow 3:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 4.574 ms

Loss rate: 0.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-17 05:00:41

End at: 2018-01-17 05:01:11

Local clock offset: 0.339 ms

Remote clock offset: 1.455 ms

Below is generated by plot.py at 2018-01-17 06:20:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 14.681 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.04 Mbit/s

95th percentile per-packet one-way delay: 12.328 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 22.657 ms

Loss rate: 0.00%

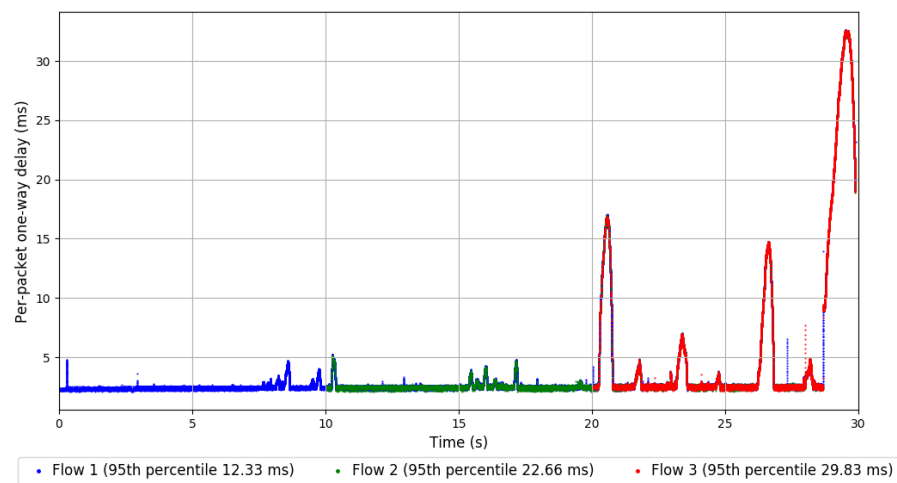
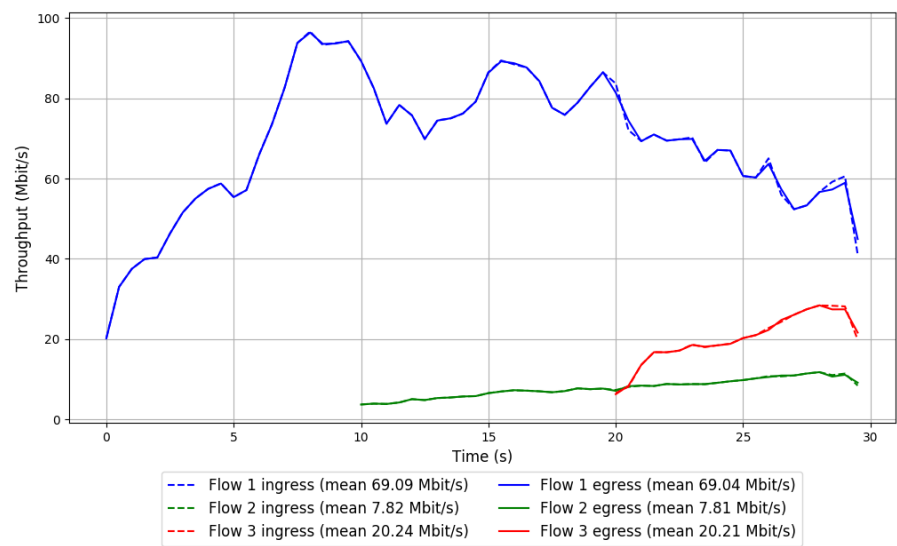
-- Flow 3:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 29.833 ms

Loss rate: 0.00%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-17 05:21:24

End at: 2018-01-17 05:21:54

Local clock offset: 0.306 ms

Remote clock offset: 1.117 ms

Below is generated by plot.py at 2018-01-17 06:20:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 33.302 ms

Loss rate: 1.69%

-- Flow 1:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 33.257 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 33.353 ms

Loss rate: 3.00%

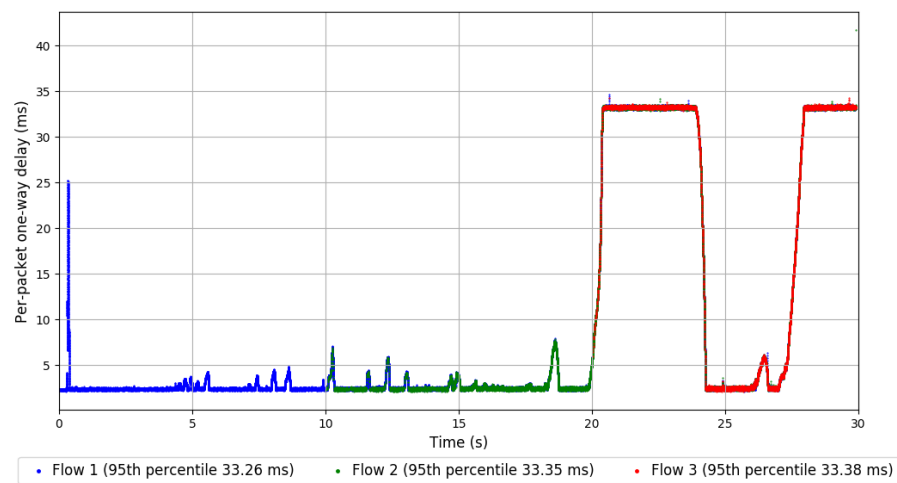
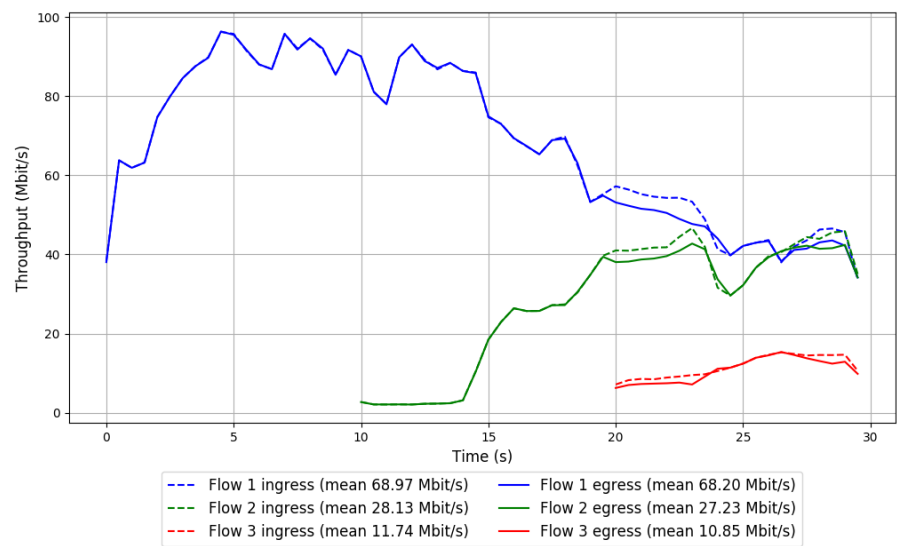
-- Flow 3:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 33.384 ms

Loss rate: 7.38%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-17 05:42:08

End at: 2018-01-17 05:42:38

Local clock offset: 0.295 ms

Remote clock offset: 0.568 ms

Below is generated by plot.py at 2018-01-17 06:21:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 8.343 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 8.644 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 8.240 ms

Loss rate: 0.03%

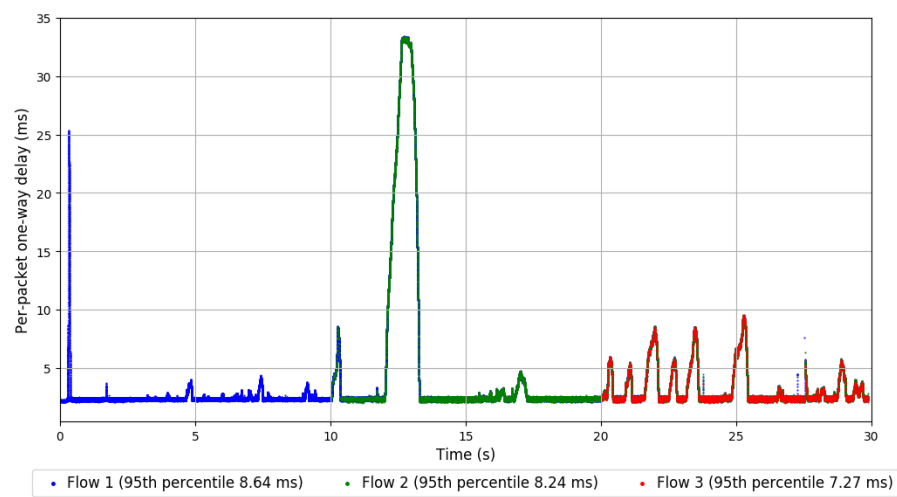
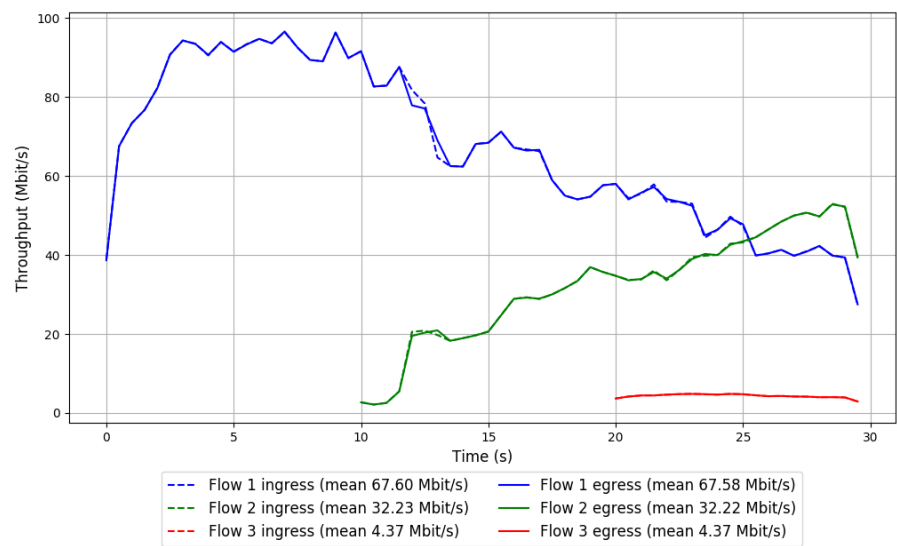
-- Flow 3:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 7.274 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link

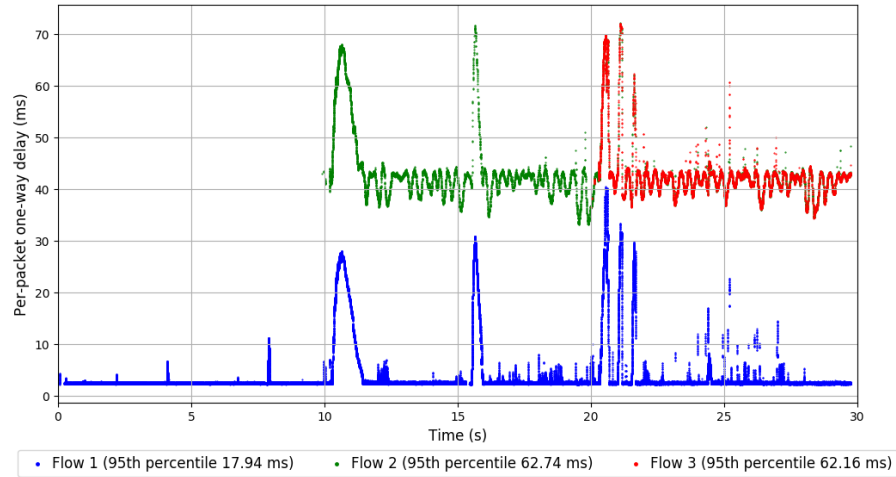
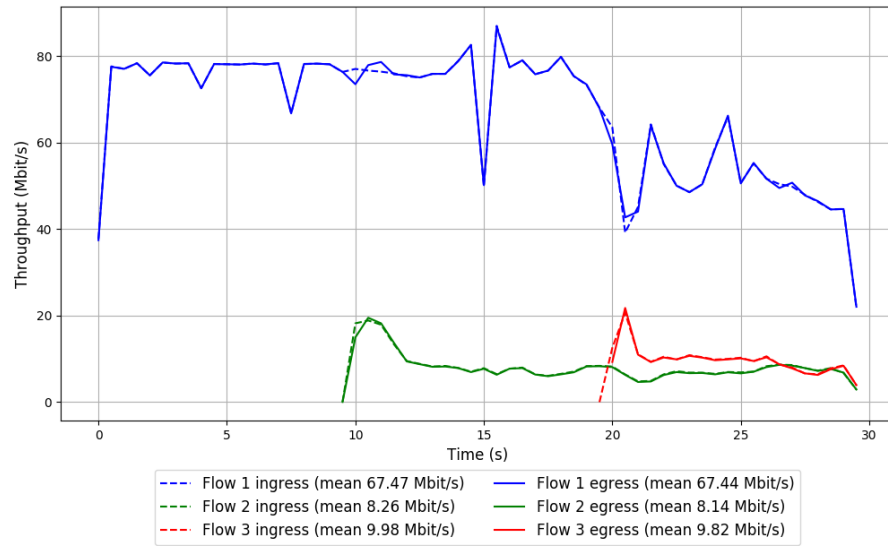


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-17 02:21:42
End at: 2018-01-17 02:22:12
Local clock offset: 0.441 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-01-17 06:21:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 42.642 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 67.44 Mbit/s
95th percentile per-packet one-way delay: 17.938 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 62.736 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 62.161 ms
Loss rate: 1.95%

Run 1: Report of QUIC Cubic — Data Link

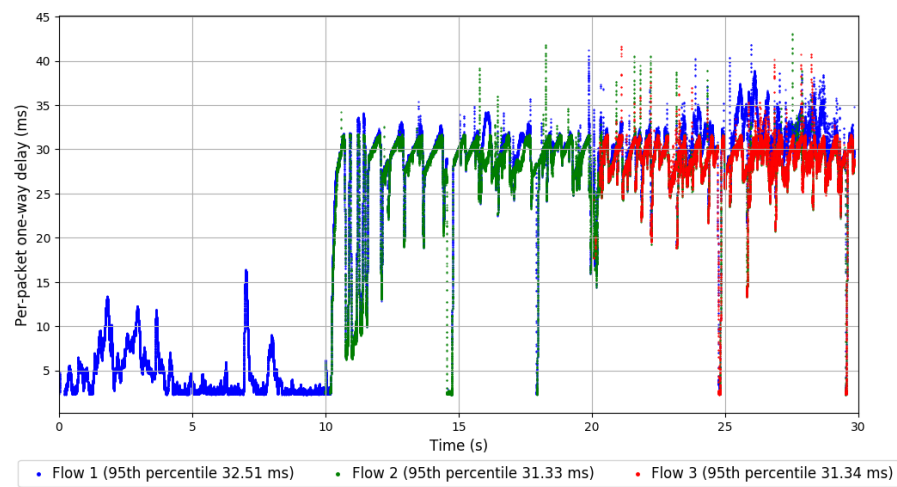
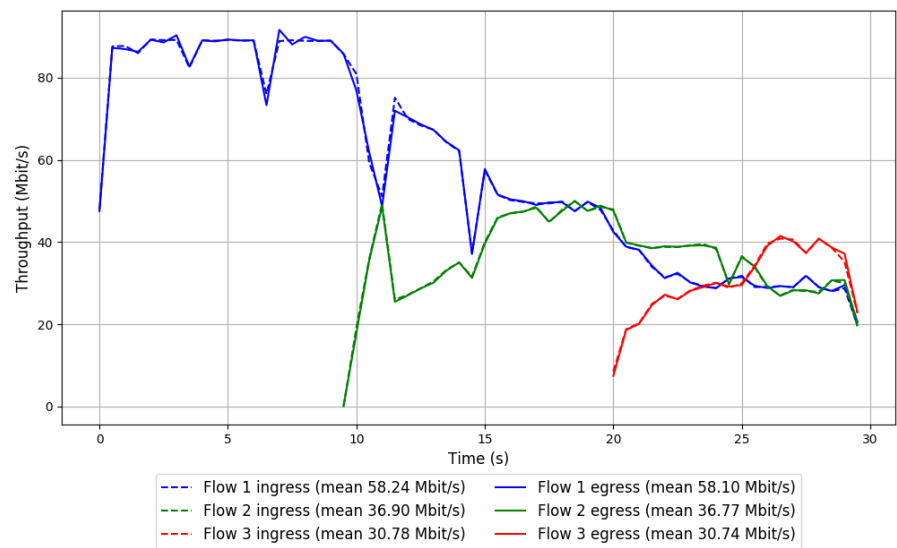


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-17 02:42:24
End at: 2018-01-17 02:42:54
Local clock offset: 0.44 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-01-17 06:22:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 31.927 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 31.333 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 31.343 ms
Loss rate: 0.09%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-17 03:03:07

End at: 2018-01-17 03:03:37

Local clock offset: 0.427 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-01-17 06:22:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 31.300 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 31.205 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 31.377 ms

Loss rate: 0.20%

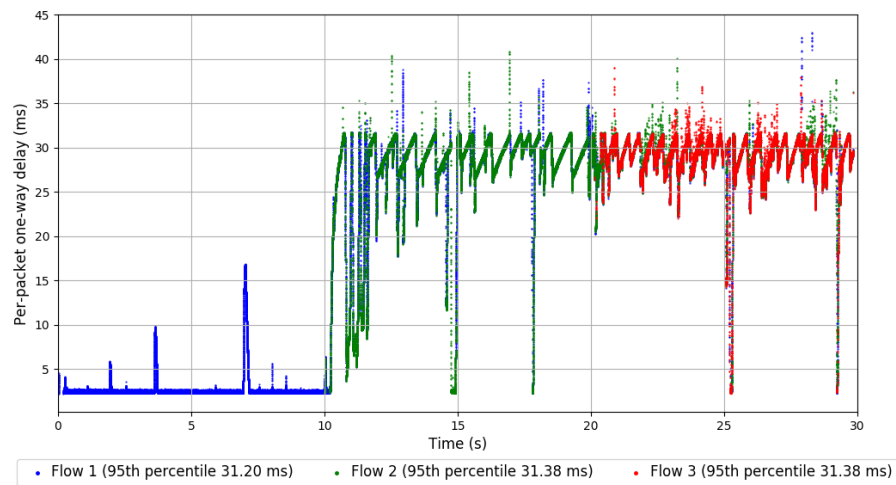
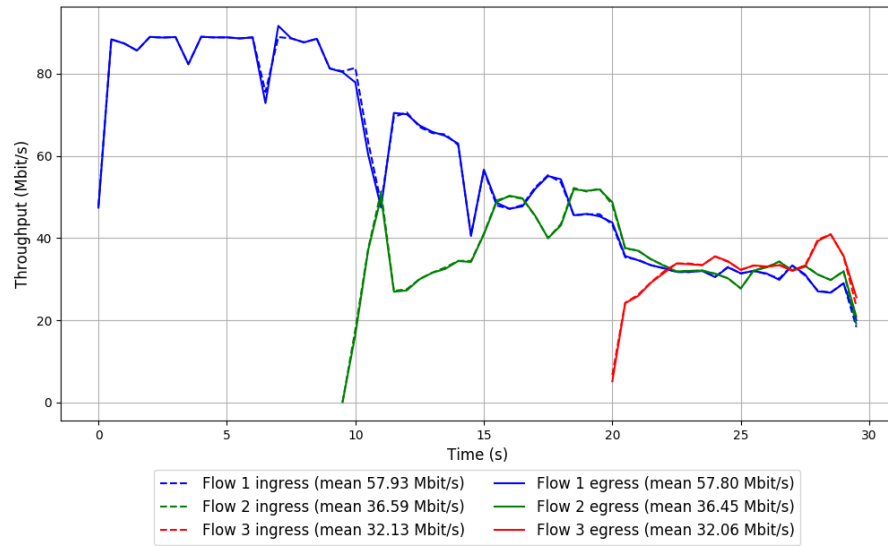
-- Flow 3:

Average throughput: 32.06 Mbit/s

95th percentile per-packet one-way delay: 31.379 ms

Loss rate: 0.14%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-17 03:23:47

End at: 2018-01-17 03:24:17

Local clock offset: 0.403 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-01-17 06:22:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 31.299 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 31.219 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 33.51 Mbit/s

95th percentile per-packet one-way delay: 31.379 ms

Loss rate: 0.15%

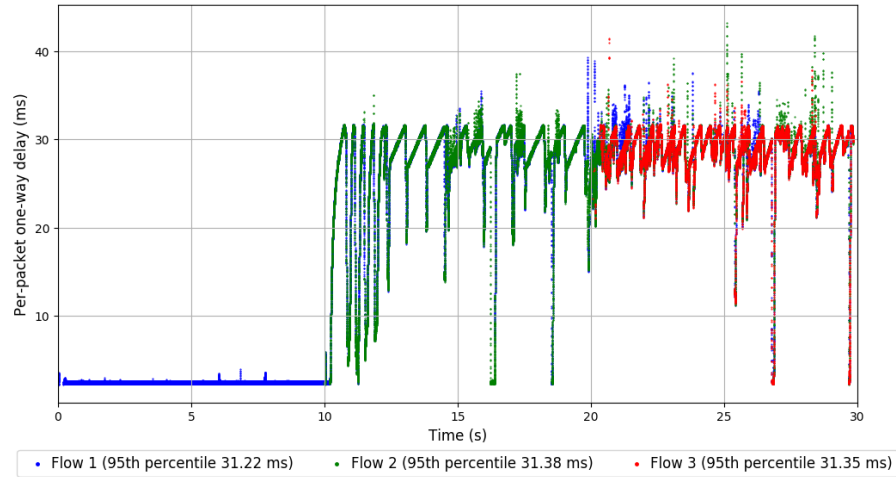
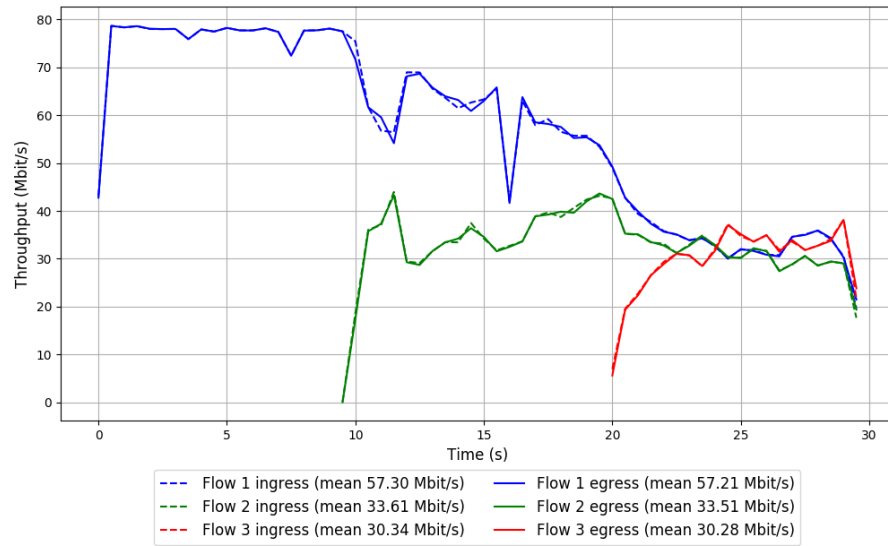
-- Flow 3:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 31.347 ms

Loss rate: 0.15%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-17 03:44:31

End at: 2018-01-17 03:45:01

Local clock offset: 0.36 ms

Remote clock offset: 1.088 ms

Below is generated by plot.py at 2018-01-17 06:22:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 31.224 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 31.151 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 33.44 Mbit/s

95th percentile per-packet one-way delay: 31.304 ms

Loss rate: 0.24%

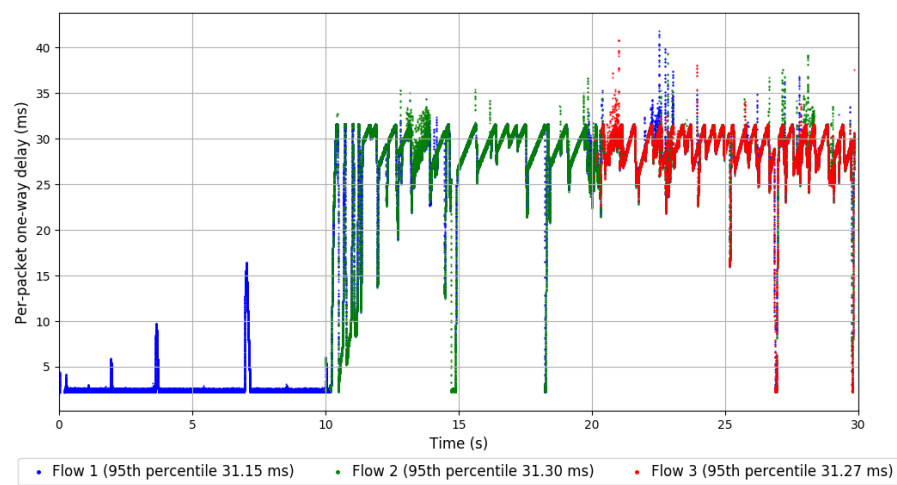
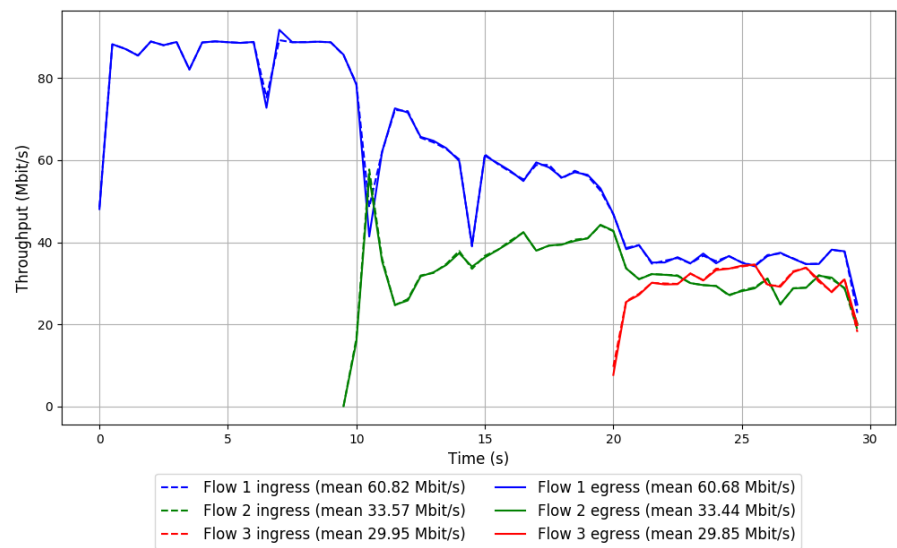
-- Flow 3:

Average throughput: 29.85 Mbit/s

95th percentile per-packet one-way delay: 31.273 ms

Loss rate: 0.22%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-17 04:05:16

End at: 2018-01-17 04:05:46

Local clock offset: 0.299 ms

Remote clock offset: 1.723 ms

Below is generated by plot.py at 2018-01-17 06:22:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 31.360 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 31.281 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 33.80 Mbit/s

95th percentile per-packet one-way delay: 31.421 ms

Loss rate: 0.23%

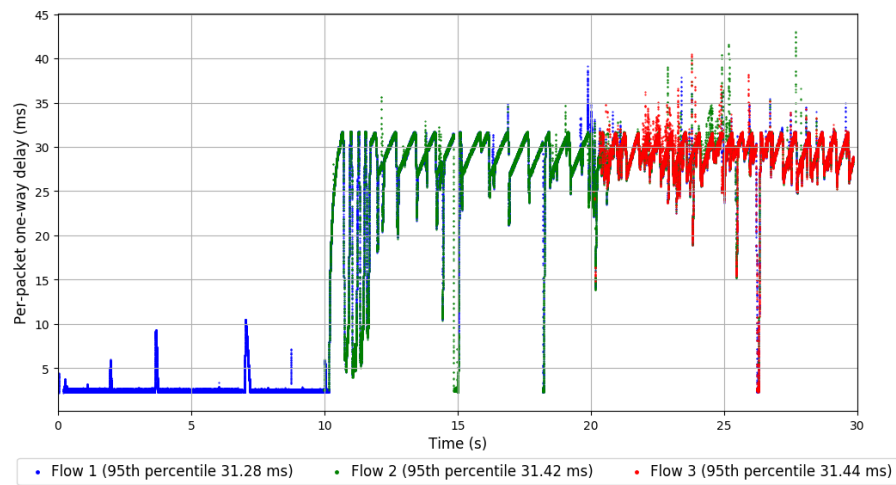
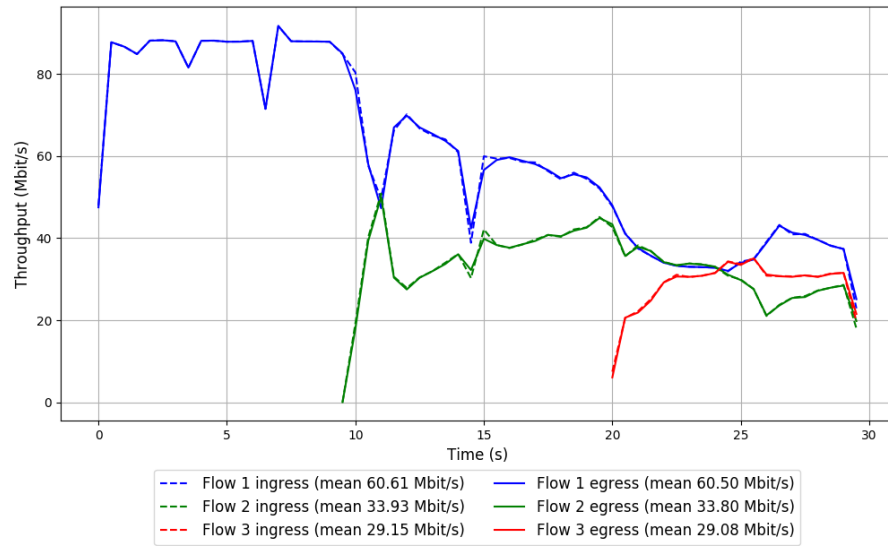
-- Flow 3:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 31.444 ms

Loss rate: 0.18%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-17 04:26:00

End at: 2018-01-17 04:26:30

Local clock offset: 0.303 ms

Remote clock offset: 1.748 ms

Below is generated by plot.py at 2018-01-17 06:22:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.74 Mbit/s

95th percentile per-packet one-way delay: 31.374 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 31.240 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 31.482 ms

Loss rate: 0.29%

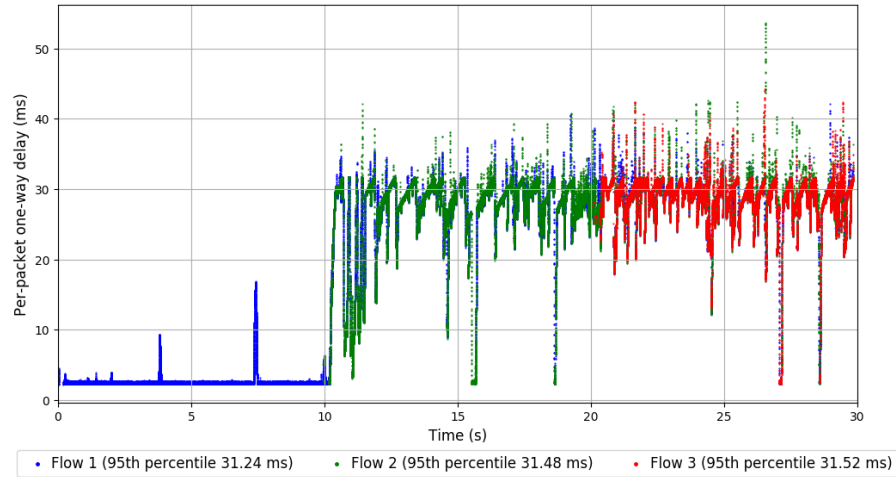
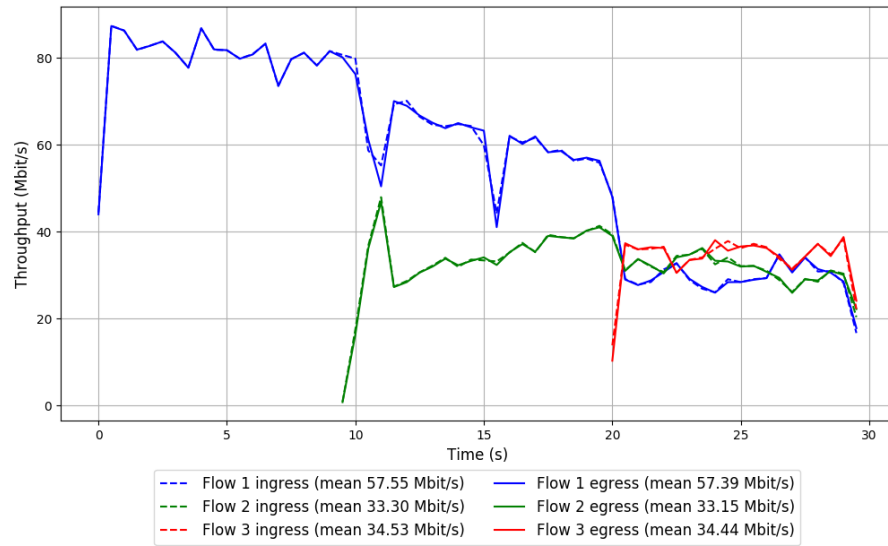
-- Flow 3:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 31.524 ms

Loss rate: 0.23%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 04:46:44

End at: 2018-01-17 04:47:14

Local clock offset: 0.363 ms

Remote clock offset: 1.691 ms

Below is generated by plot.py at 2018-01-17 06:22:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 31.311 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 31.240 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 35.20 Mbit/s

95th percentile per-packet one-way delay: 31.383 ms

Loss rate: 0.24%

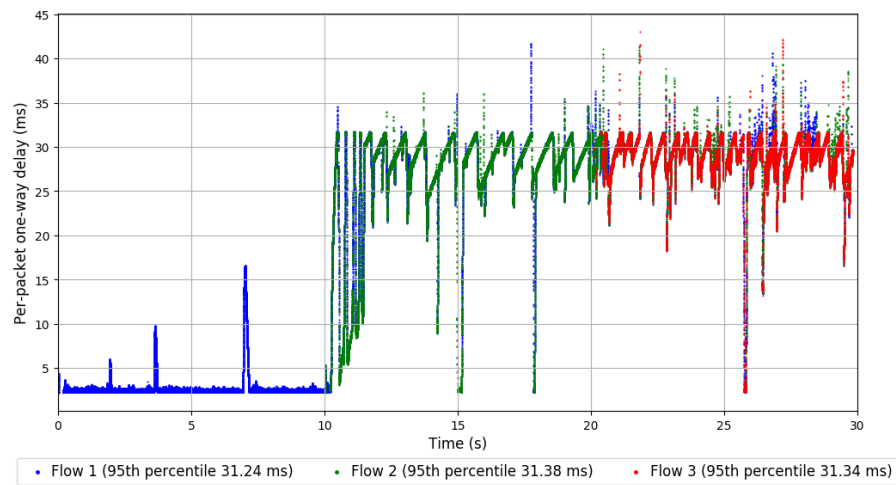
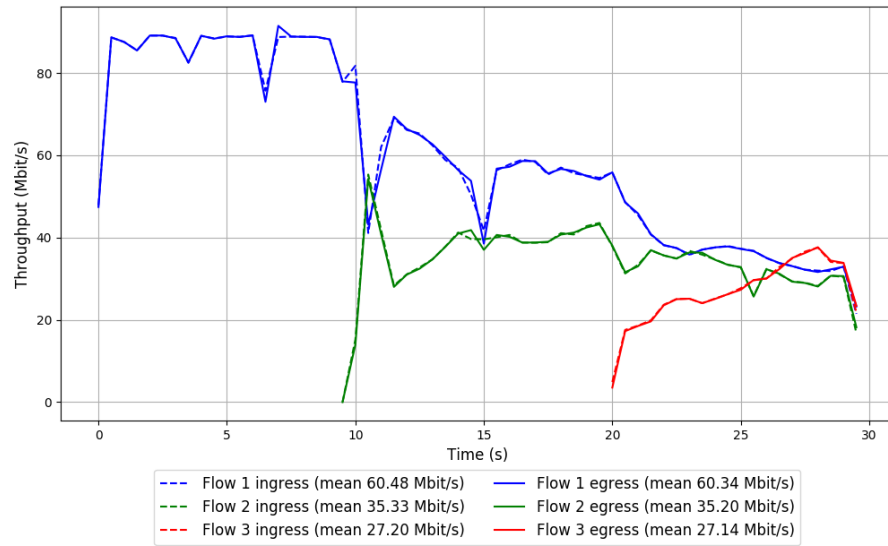
-- Flow 3:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 31.337 ms

Loss rate: 0.21%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 05:07:27

End at: 2018-01-17 05:07:57

Local clock offset: 0.343 ms

Remote clock offset: 1.376 ms

Below is generated by plot.py at 2018-01-17 06:23:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.70 Mbit/s

95th percentile per-packet one-way delay: 31.387 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 53.38 Mbit/s

95th percentile per-packet one-way delay: 31.291 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 38.45 Mbit/s

95th percentile per-packet one-way delay: 31.444 ms

Loss rate: 0.24%

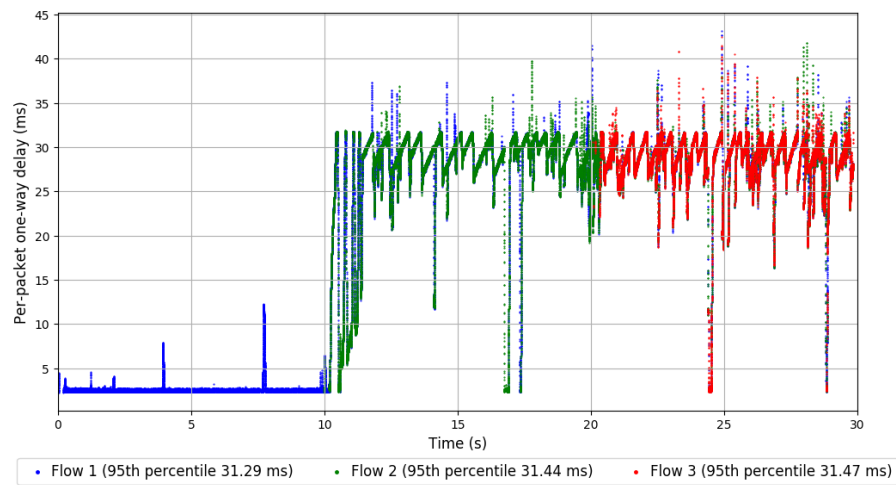
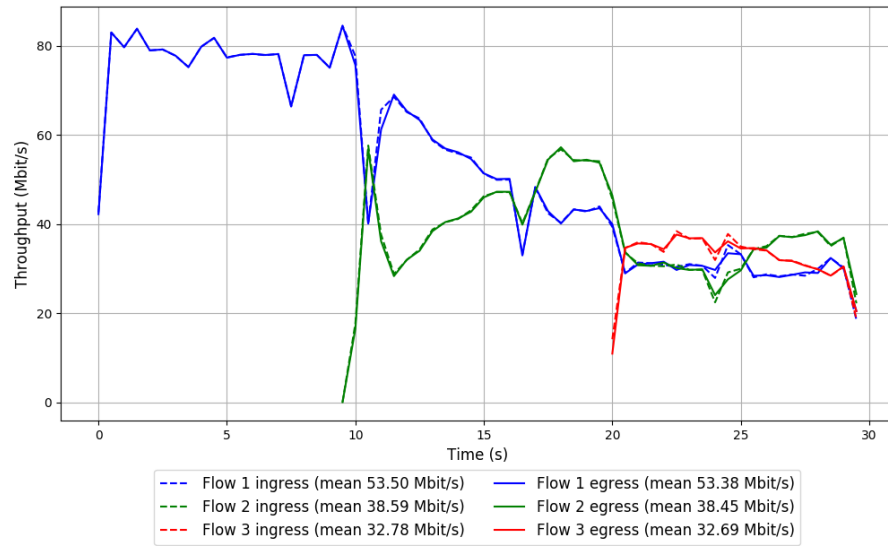
-- Flow 3:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 31.466 ms

Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 05:28:11

End at: 2018-01-17 05:28:41

Local clock offset: 0.287 ms

Remote clock offset: 0.922 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.00 Mbit/s

95th percentile per-packet one-way delay: 31.317 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 31.253 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 34.88 Mbit/s

95th percentile per-packet one-way delay: 31.382 ms

Loss rate: 0.14%

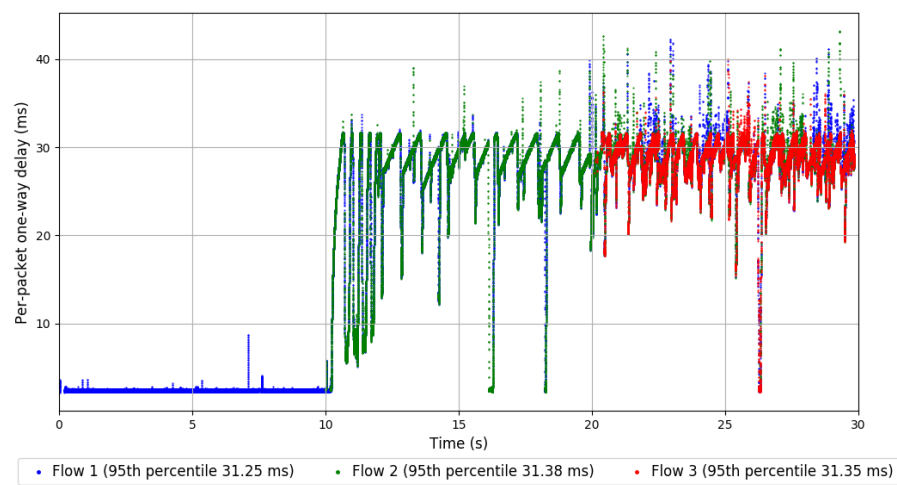
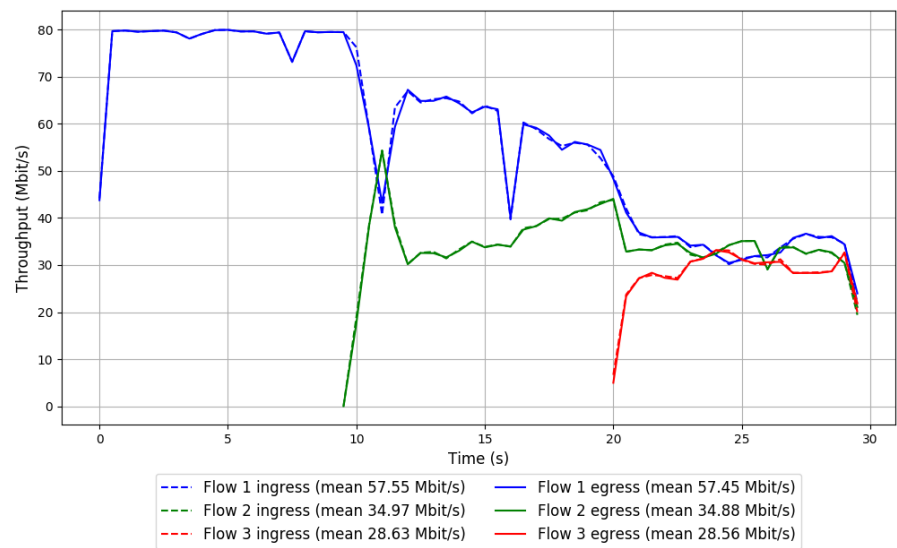
-- Flow 3:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 31.347 ms

Loss rate: 0.21%

Run 10: Report of QUIC Cubic — Data Link

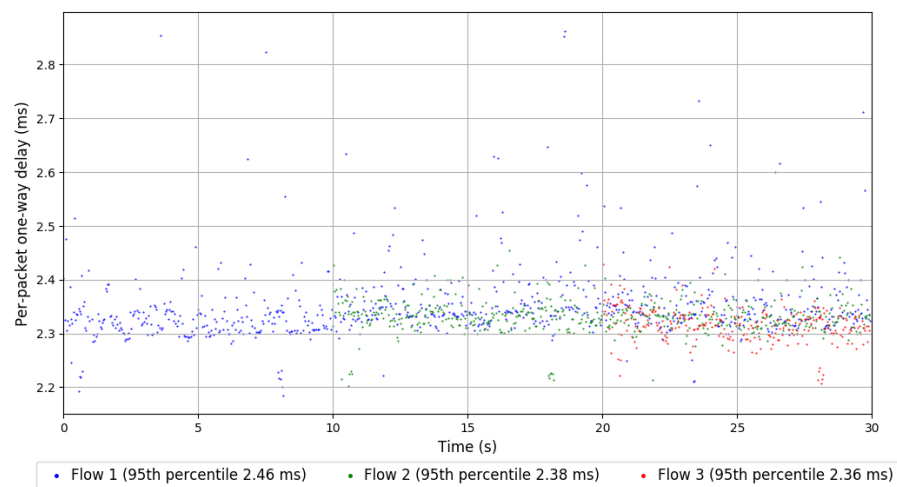
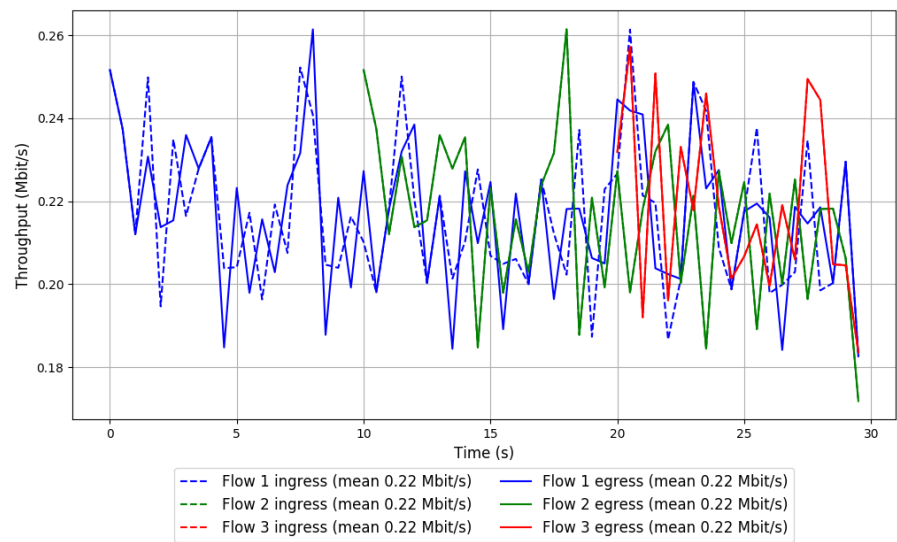


```
Run 1: Statistics of SReAM

Start at: 2018-01-17 02:19:27
End at: 2018-01-17 02:19:57
Local clock offset: 0.456 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

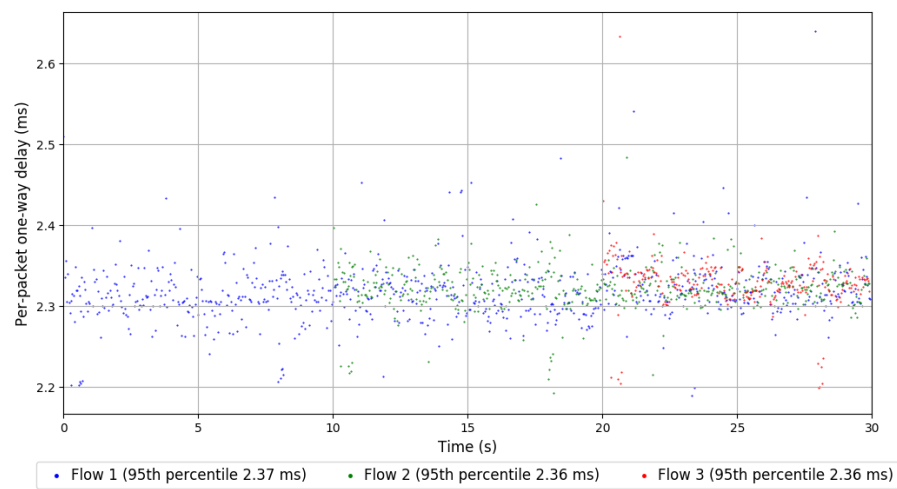
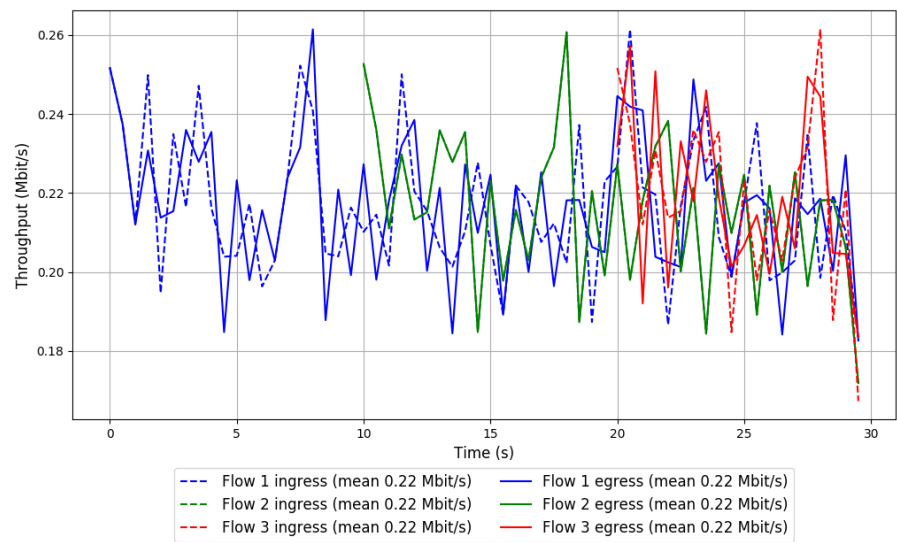


Run 2: Statistics of SReAM

Start at: 2018-01-17 02:40:08
End at: 2018-01-17 02:40:38
Local clock offset: 0.443 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-01-17 06:23:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-01-17 03:00:51

End at: 2018-01-17 03:01:21

Local clock offset: 0.434 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.362 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.350 ms

Loss rate: 0.00%

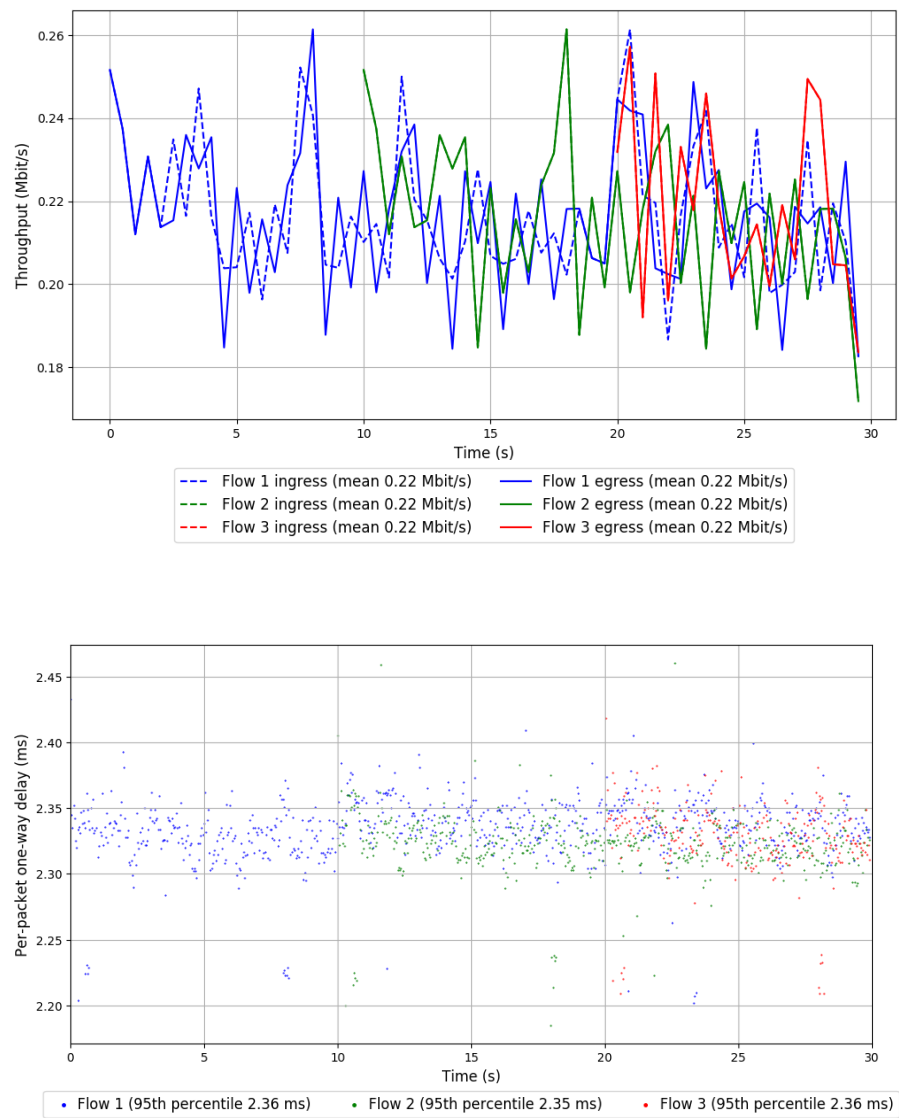
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-01-17 03:21:32

End at: 2018-01-17 03:22:02

Local clock offset: 0.4 ms

Remote clock offset: 0.293 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.348 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.348 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.347 ms

Loss rate: 0.00%

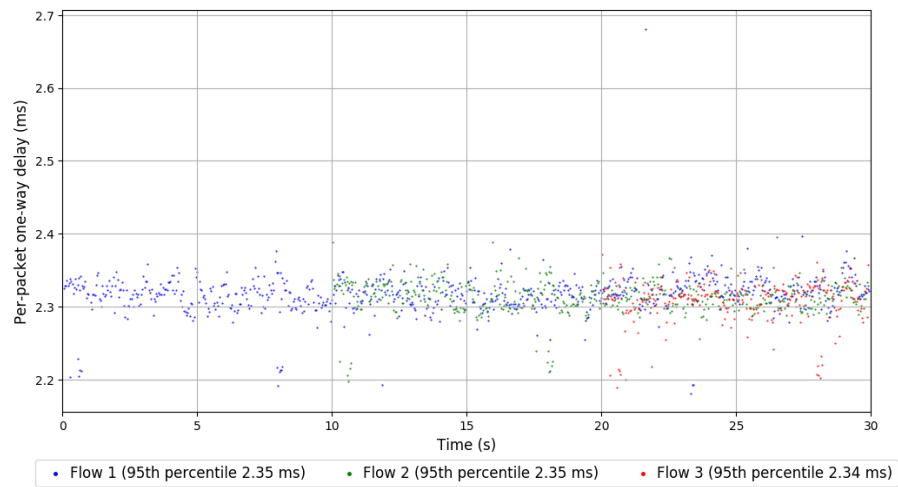
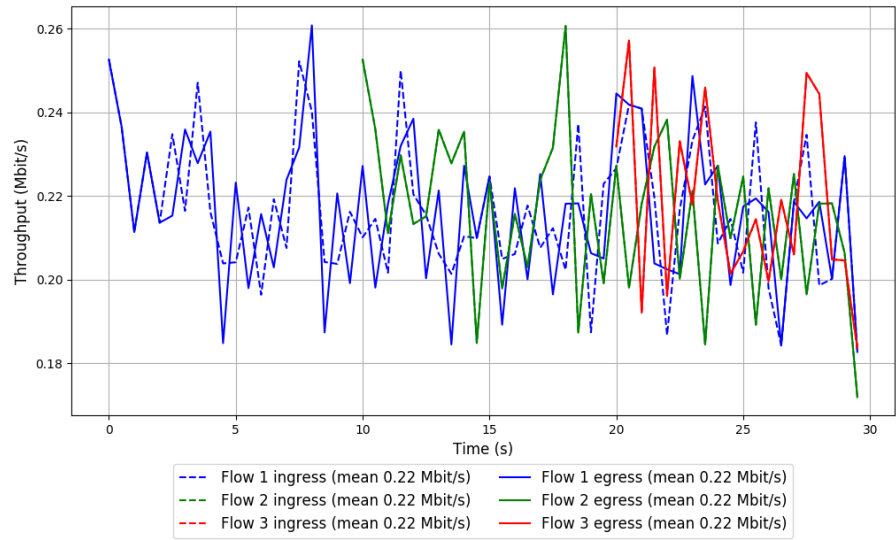
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.343 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-17 03:42:16

End at: 2018-01-17 03:42:46

Local clock offset: 0.368 ms

Remote clock offset: 1.102 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.354 ms

Loss rate: 0.00%

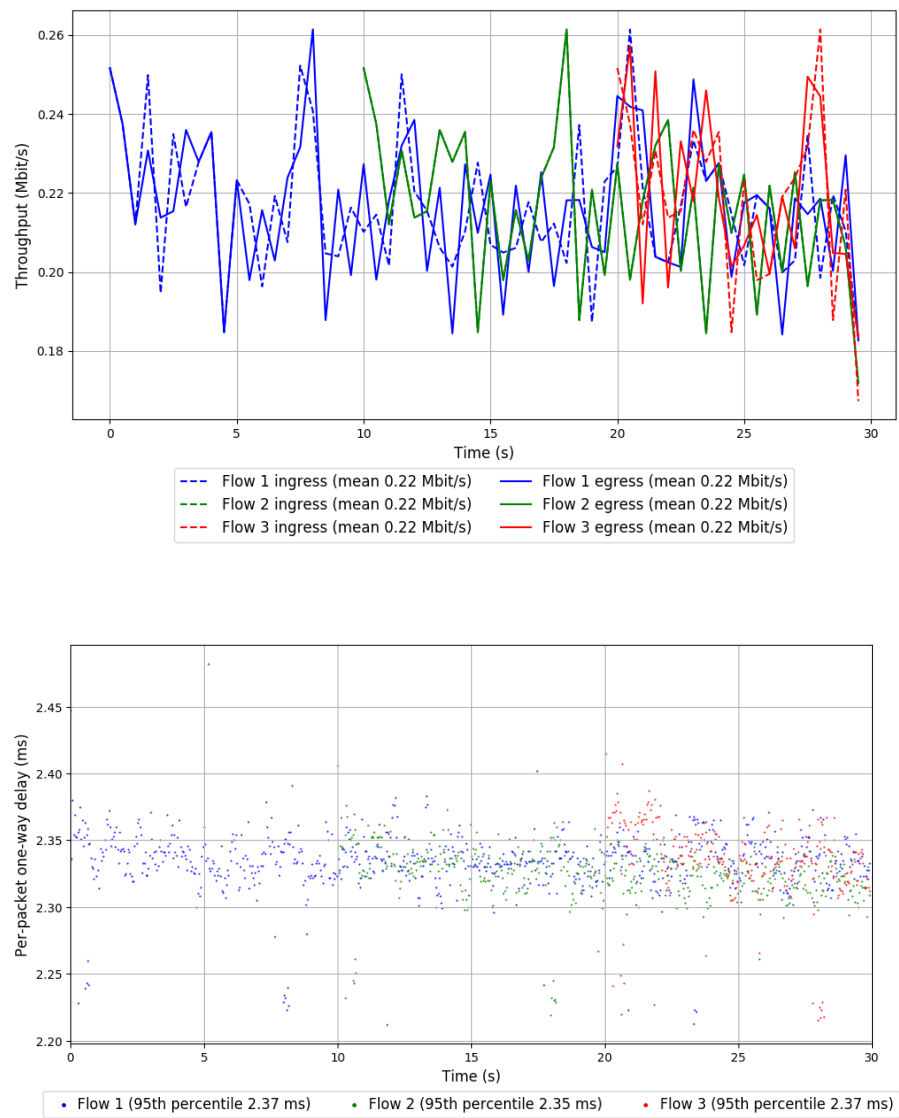
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.371 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-01-17 04:03:00

End at: 2018-01-17 04:03:30

Local clock offset: 0.351 ms

Remote clock offset: 1.667 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.00%

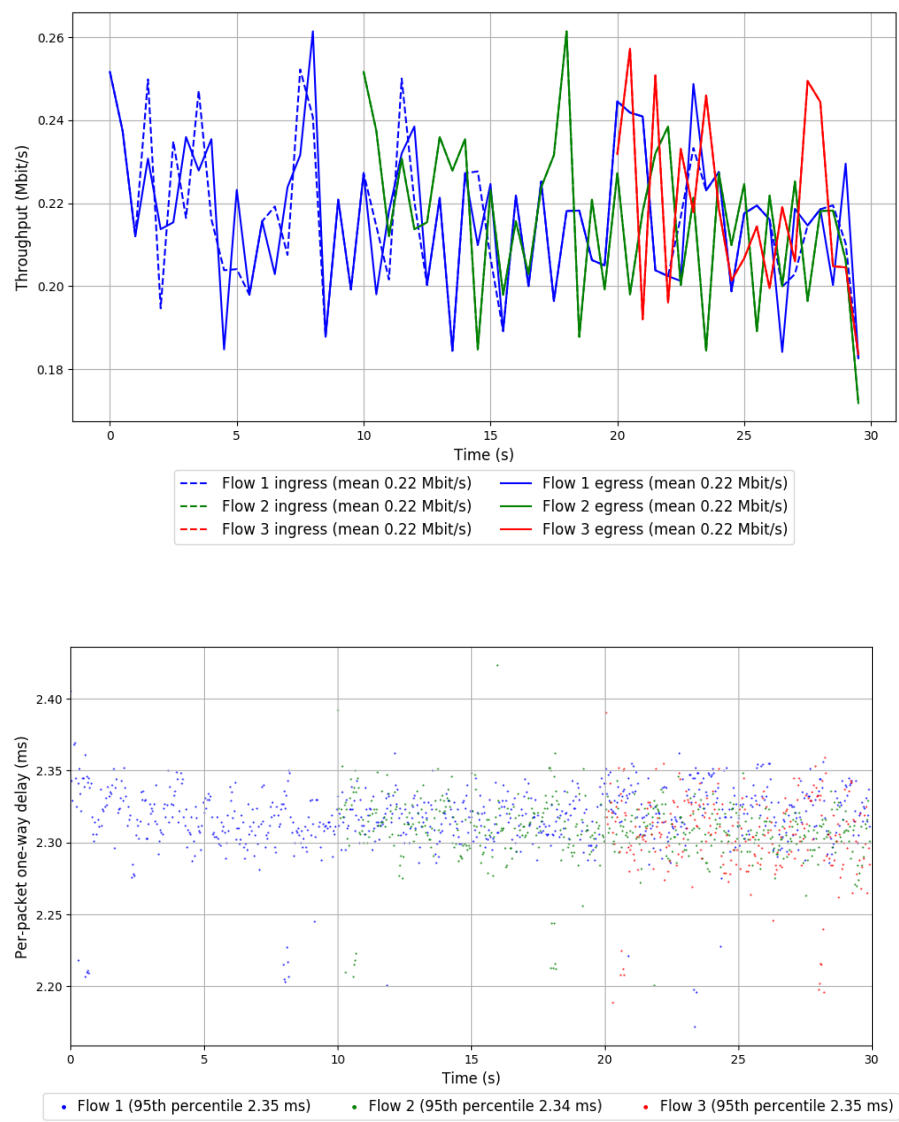
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.345 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

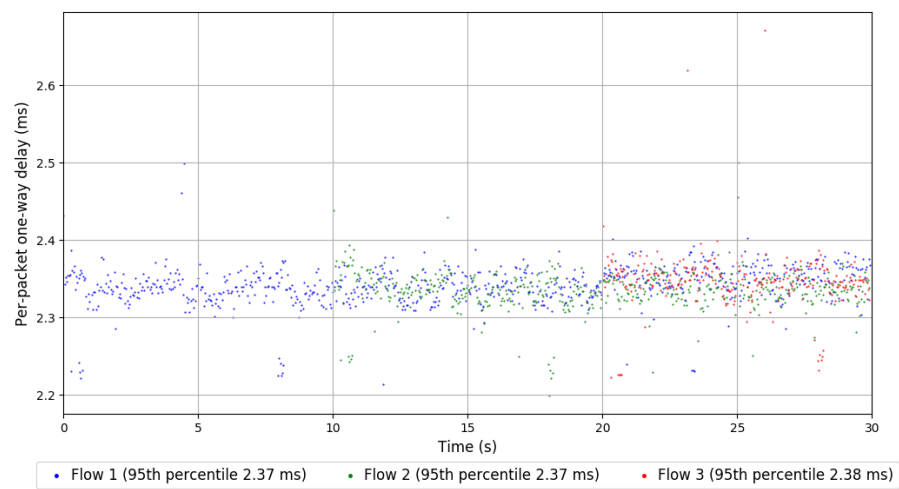
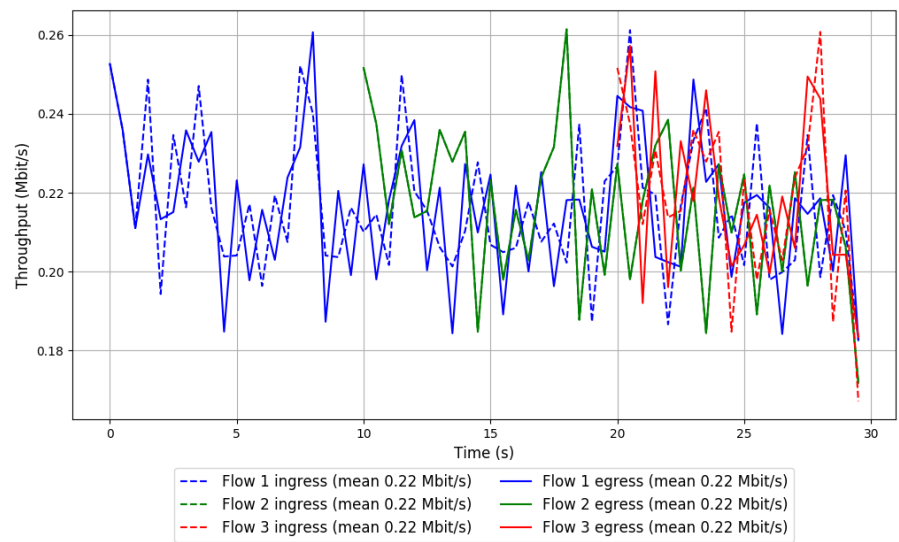


Run 7: Statistics of SReAM

Start at: 2018-01-17 04:23:44
End at: 2018-01-17 04:24:14
Local clock offset: 0.343 ms
Remote clock offset: 1.76 ms

Below is generated by plot.py at 2018-01-17 06:23:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-01-17 04:44:28

End at: 2018-01-17 04:44:58

Local clock offset: 0.351 ms

Remote clock offset: 1.665 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.315 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.313 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.307 ms

Loss rate: 0.00%

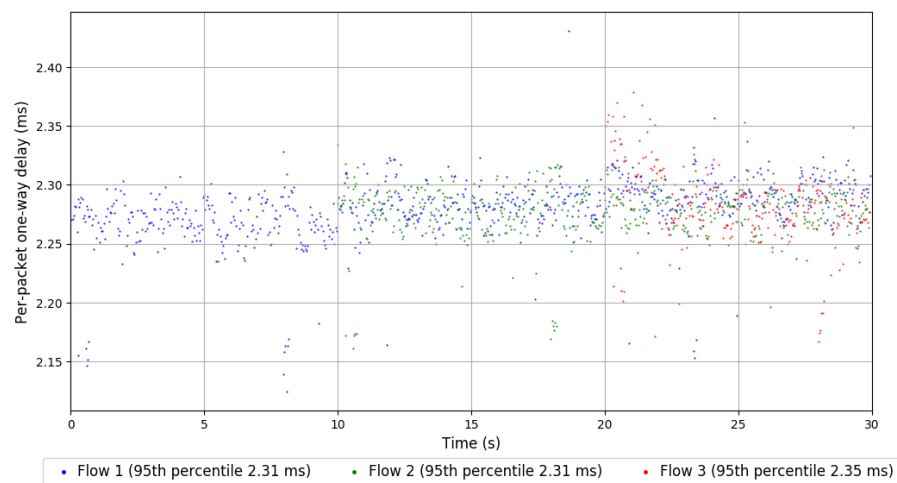
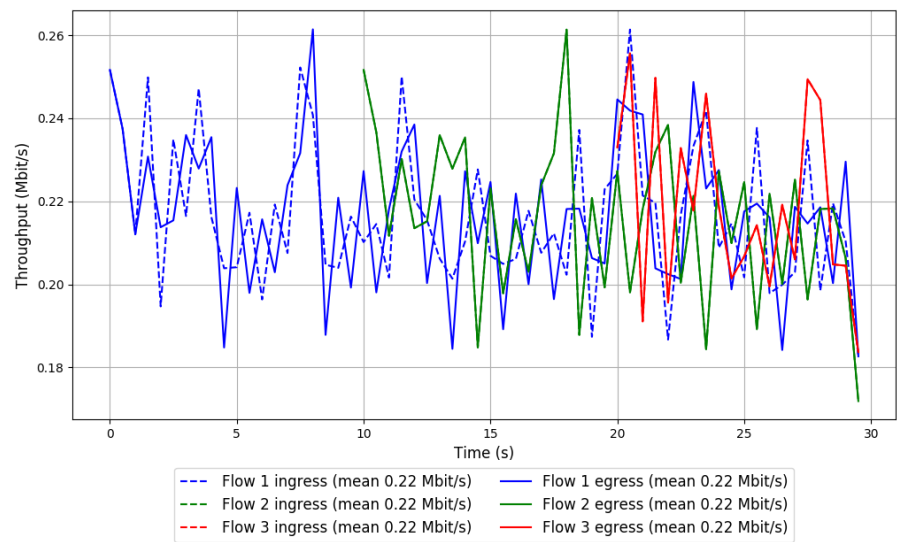
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.345 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-01-17 05:05:12

End at: 2018-01-17 05:05:42

Local clock offset: 0.347 ms

Remote clock offset: 1.369 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.383 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.379 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.396 ms

Loss rate: 0.00%

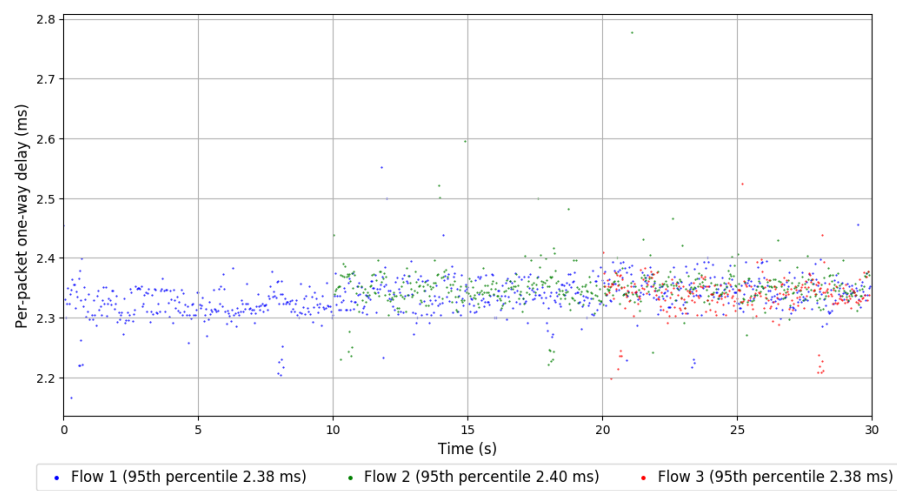
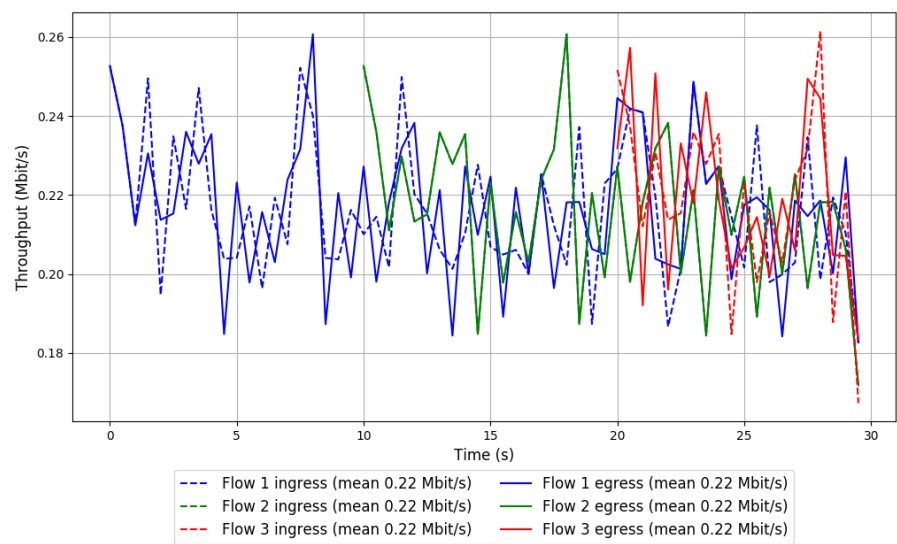
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.376 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-17 05:25:55

End at: 2018-01-17 05:26:25

Local clock offset: 0.286 ms

Remote clock offset: 1.021 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.377 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.379 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.374 ms

Loss rate: 0.00%

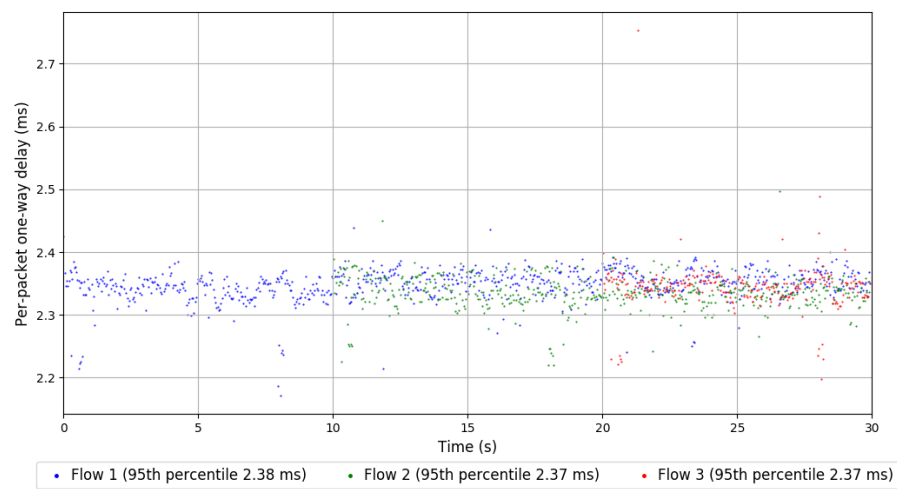
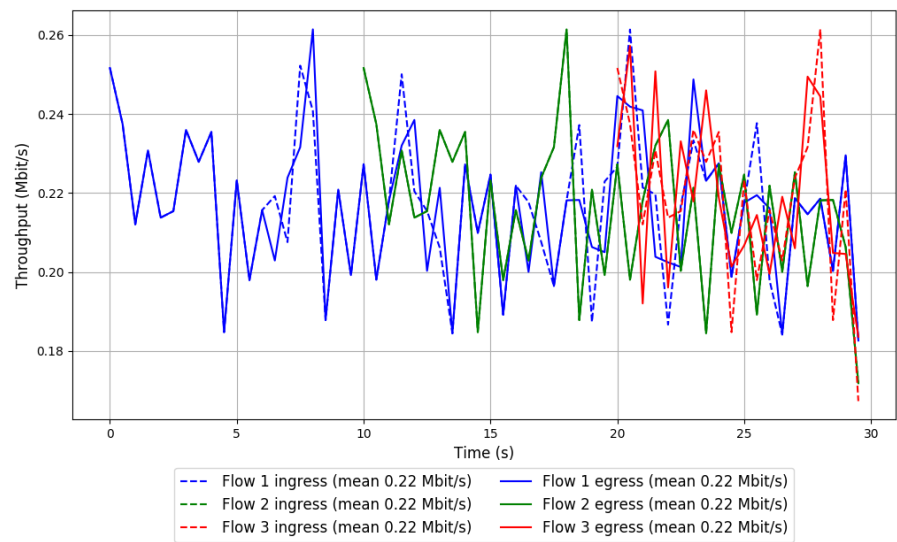
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.371 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

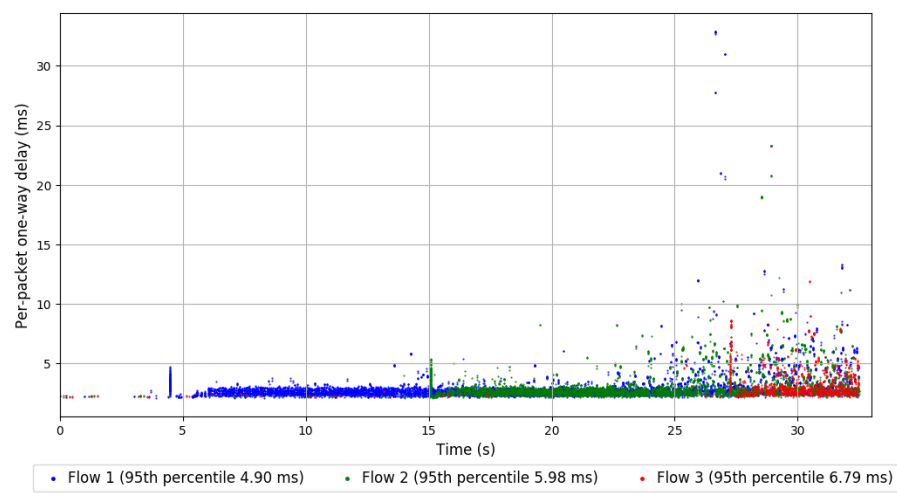
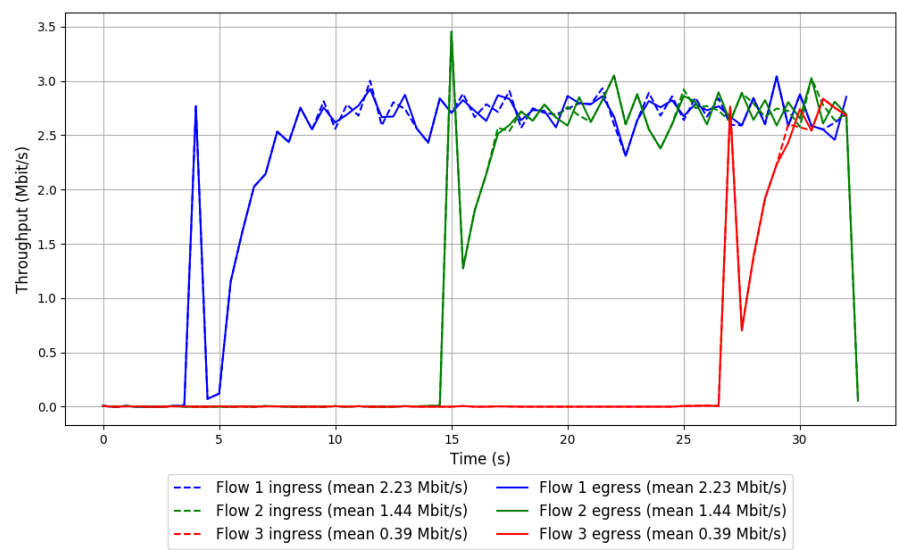


Run 1: Statistics of WebRTC media

Start at: 2018-01-17 02:25:12
End at: 2018-01-17 02:25:42
Local clock offset: 0.384 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-01-17 06:23:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 5.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 4.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 5.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 6.789 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

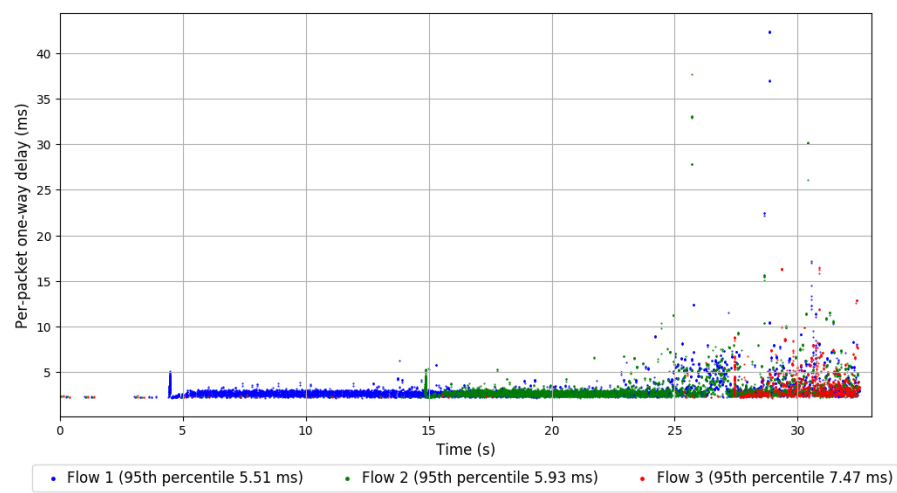
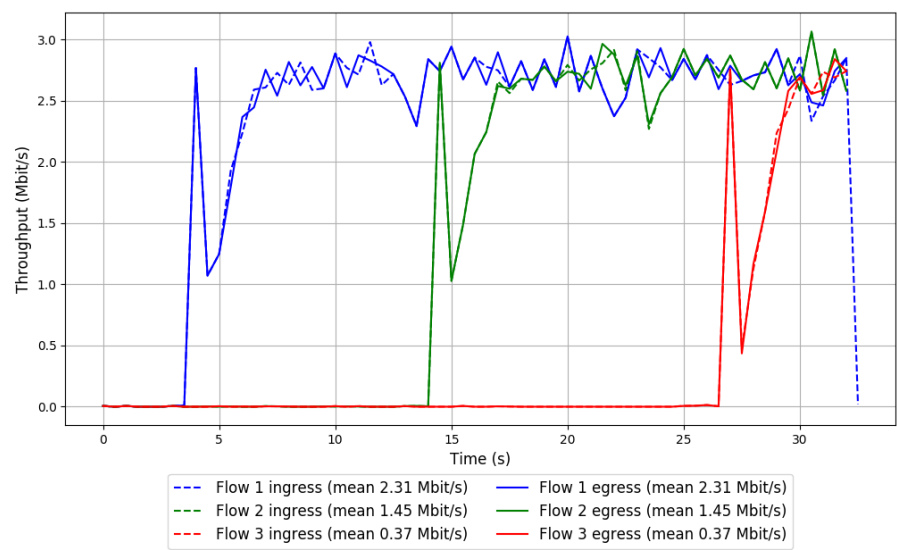


Run 2: Statistics of WebRTC media

Start at: 2018-01-17 02:45:54
End at: 2018-01-17 02:46:24
Local clock offset: 0.373 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-01-17 06:23:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 5.850 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 5.512 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 7.469 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-17 03:06:37

End at: 2018-01-17 03:07:07

Local clock offset: 0.43 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 5.940 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 5.982 ms

Loss rate: 0.00%

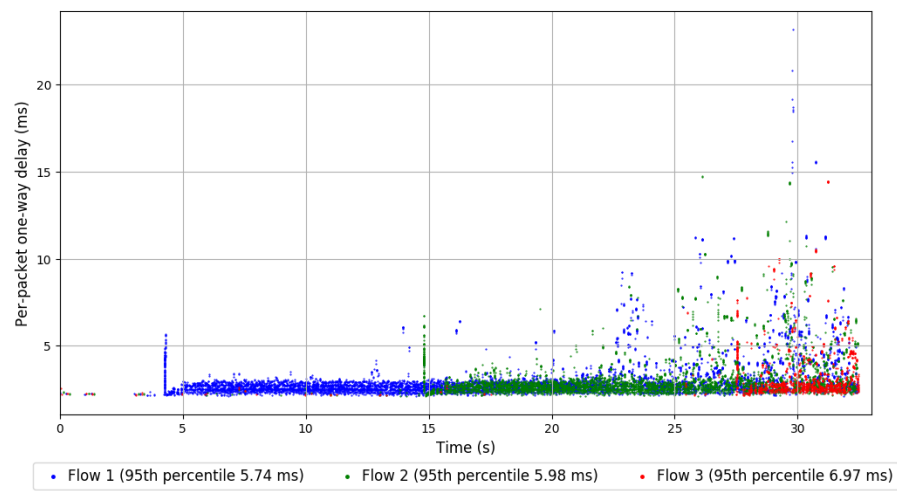
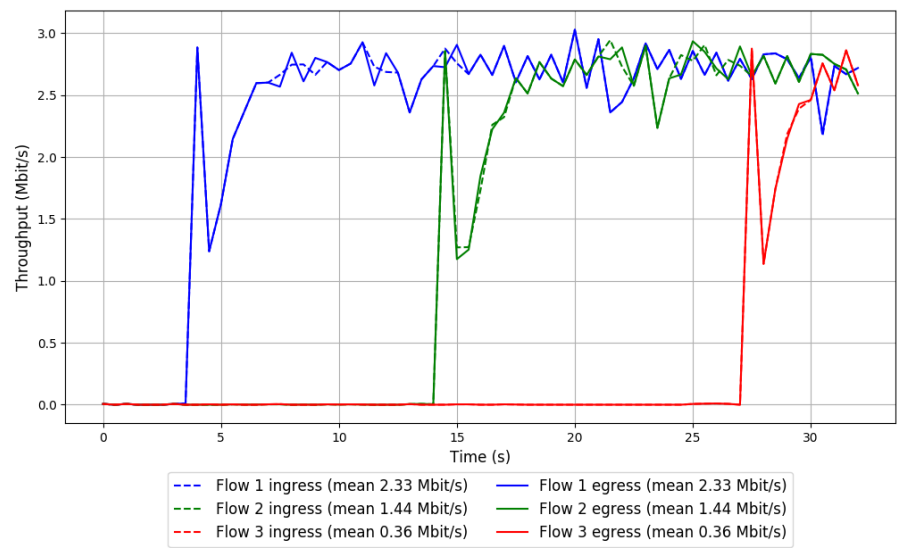
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 6.972 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-17 03:27:18

End at: 2018-01-17 03:27:48

Local clock offset: 0.312 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 5.779 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 5.508 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 5.845 ms

Loss rate: 0.00%

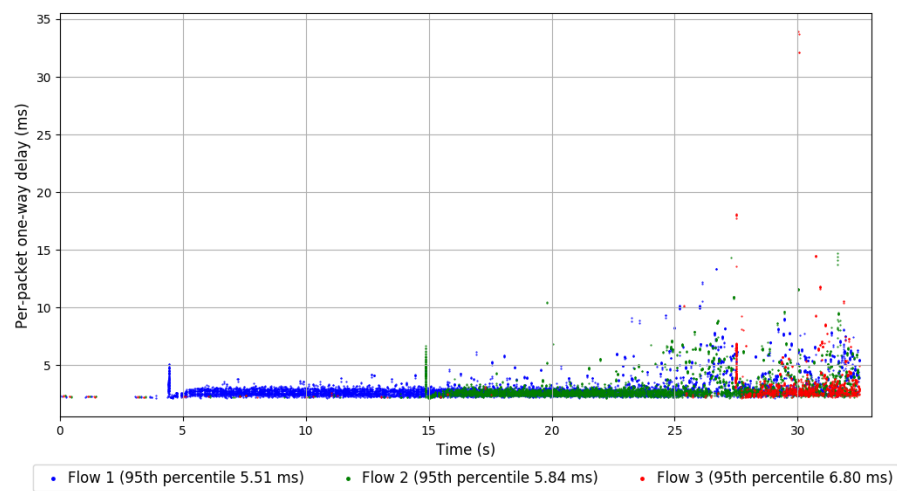
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 6.798 ms

Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-17 03:48:02

End at: 2018-01-17 03:48:32

Local clock offset: 0.341 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 5.845 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.579 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 5.600 ms

Loss rate: 0.00%

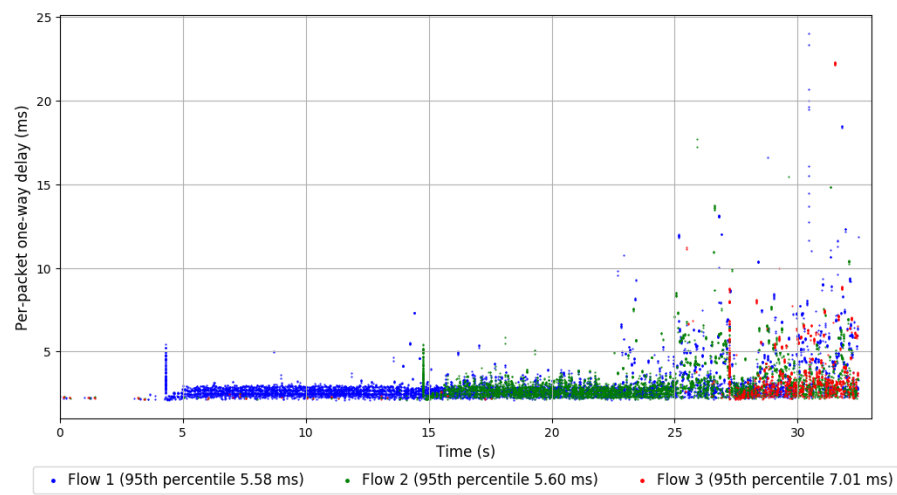
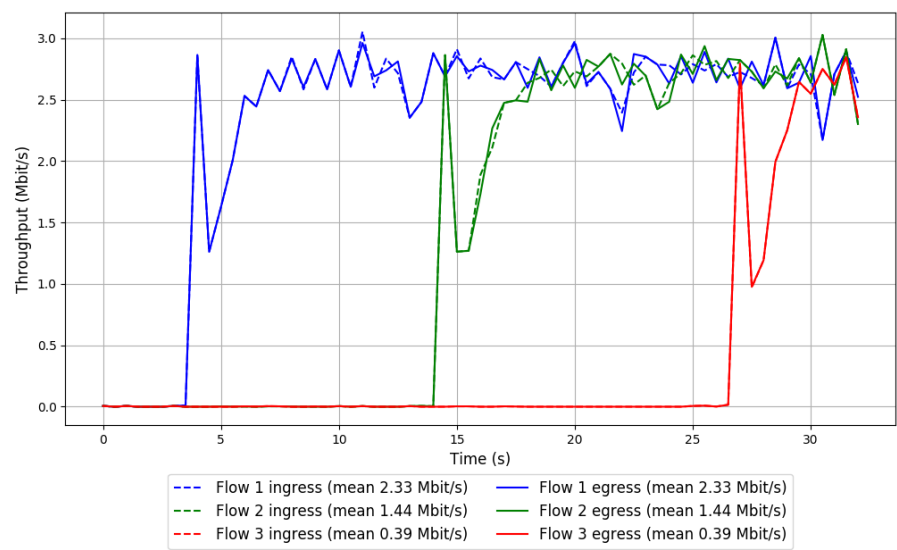
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 7.013 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-17 04:08:46

End at: 2018-01-17 04:09:16

Local clock offset: 0.347 ms

Remote clock offset: 1.81 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 6.465 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.804 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 6.724 ms

Loss rate: 0.00%

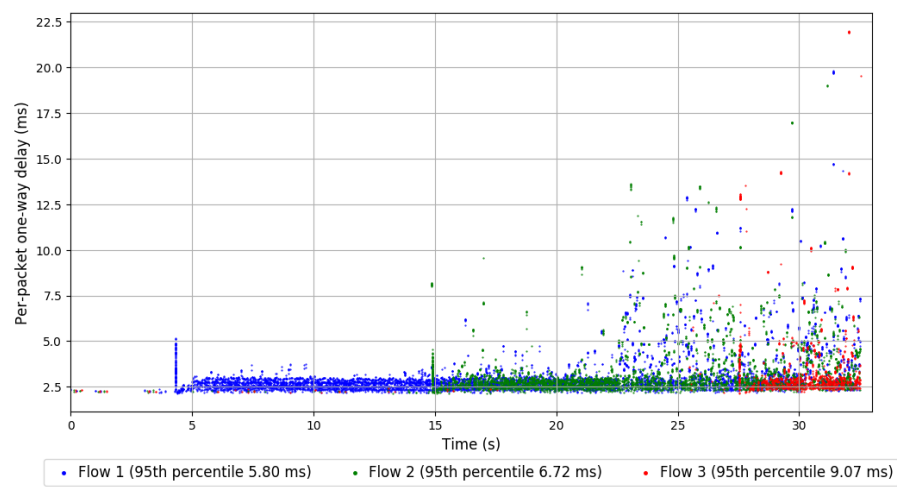
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 9.069 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-17 04:29:30

End at: 2018-01-17 04:30:00

Local clock offset: 0.363 ms

Remote clock offset: 1.74 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 5.523 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.389 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 5.088 ms

Loss rate: 0.00%

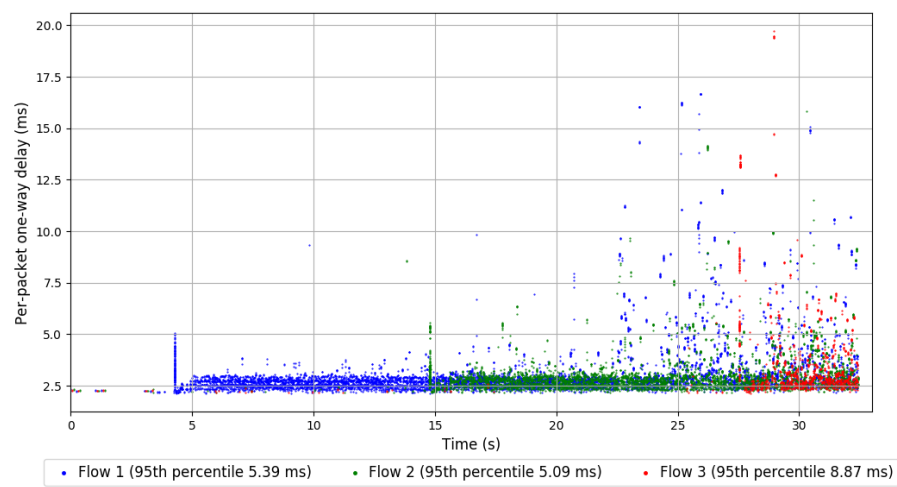
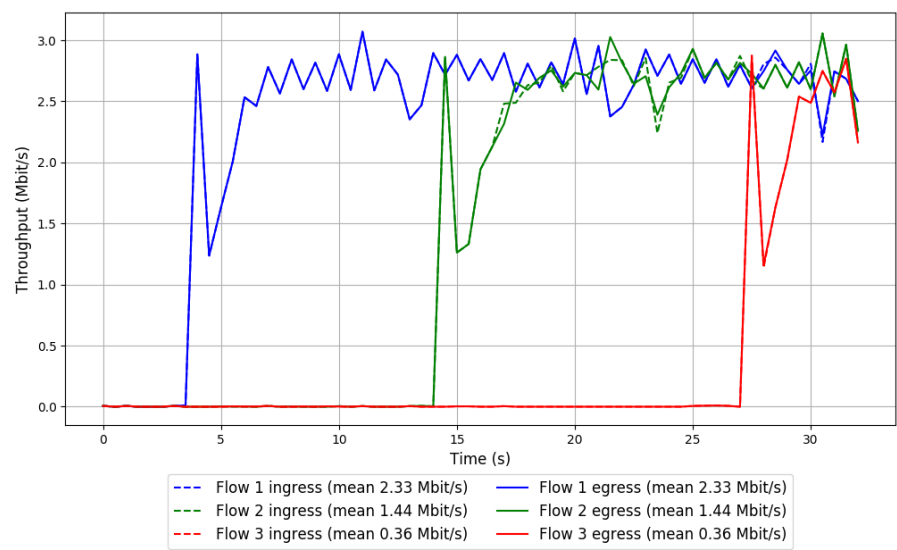
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 8.873 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-17 04:50:14

End at: 2018-01-17 04:50:44

Local clock offset: 0.348 ms

Remote clock offset: 1.652 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 5.864 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.525 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 6.063 ms

Loss rate: 0.00%

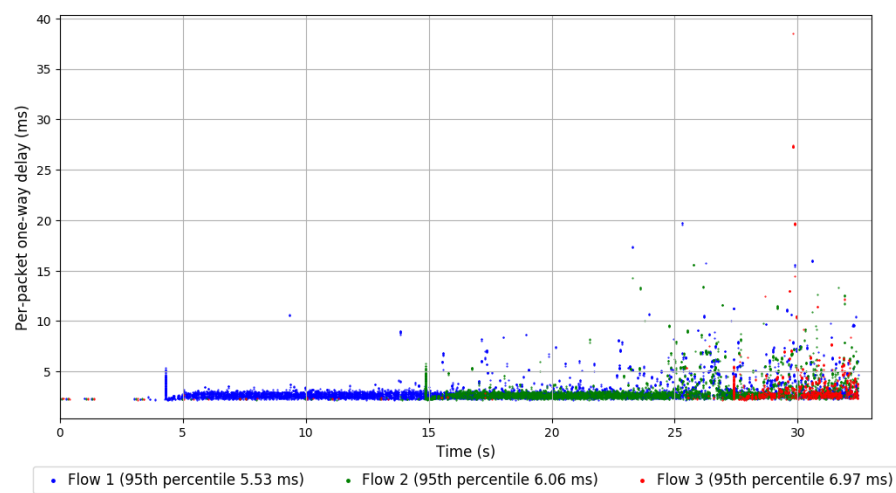
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 6.975 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-17 05:10:58

End at: 2018-01-17 05:11:28

Local clock offset: 0.338 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 5.652 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.717 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 5.570 ms

Loss rate: 0.00%

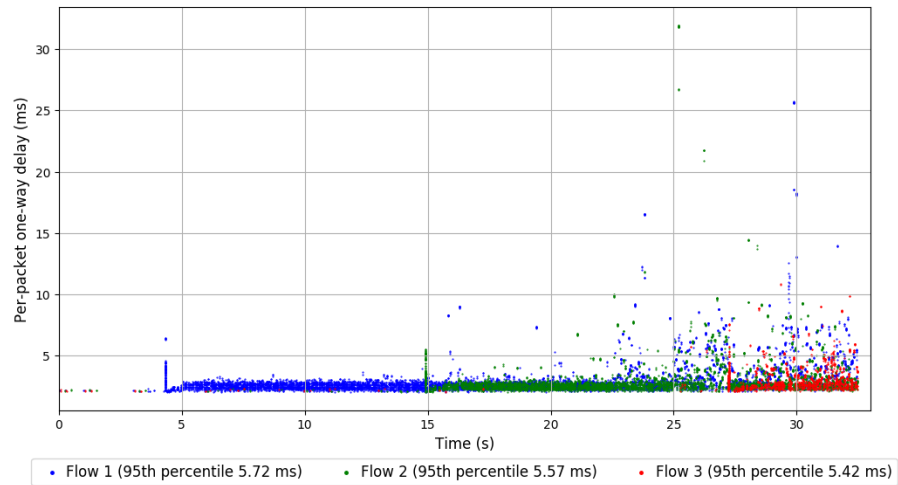
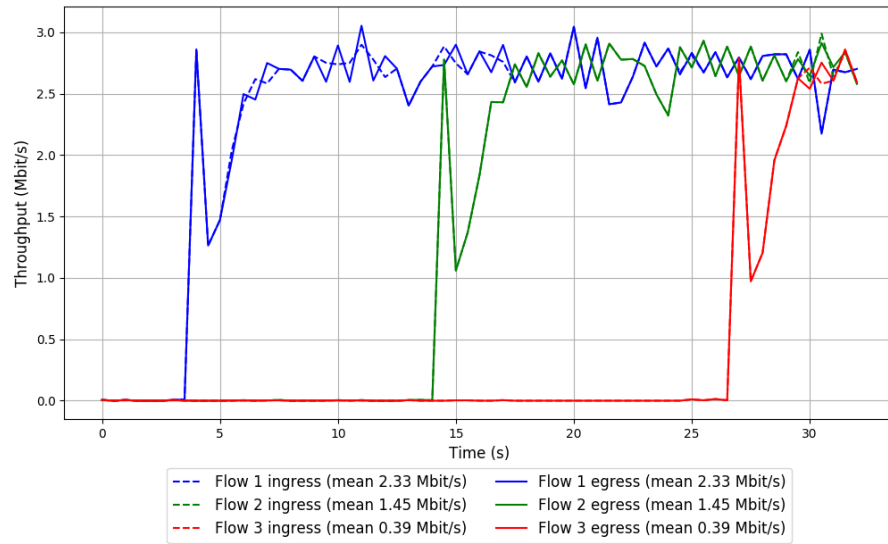
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 5.415 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-17 05:31:41

End at: 2018-01-17 05:32:11

Local clock offset: 0.276 ms

Remote clock offset: 0.881 ms

Below is generated by plot.py at 2018-01-17 06:23:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 6.071 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 5.248 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 6.476 ms

Loss rate: 0.00%

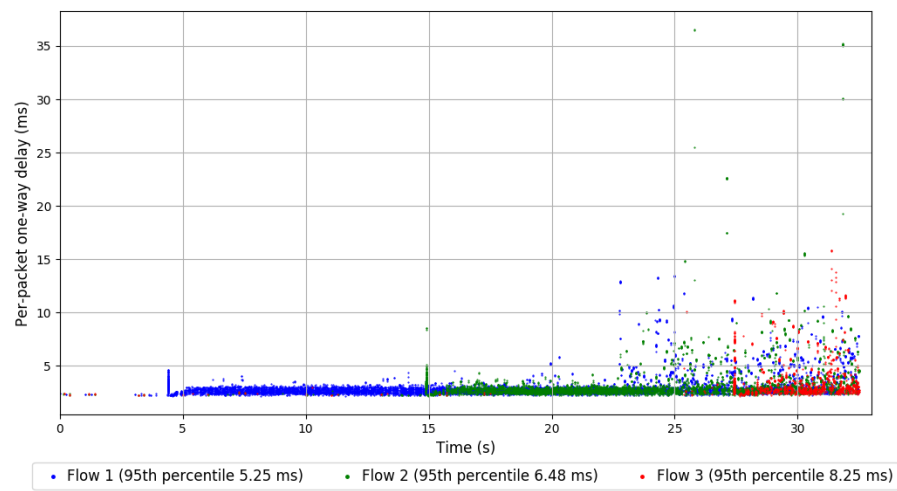
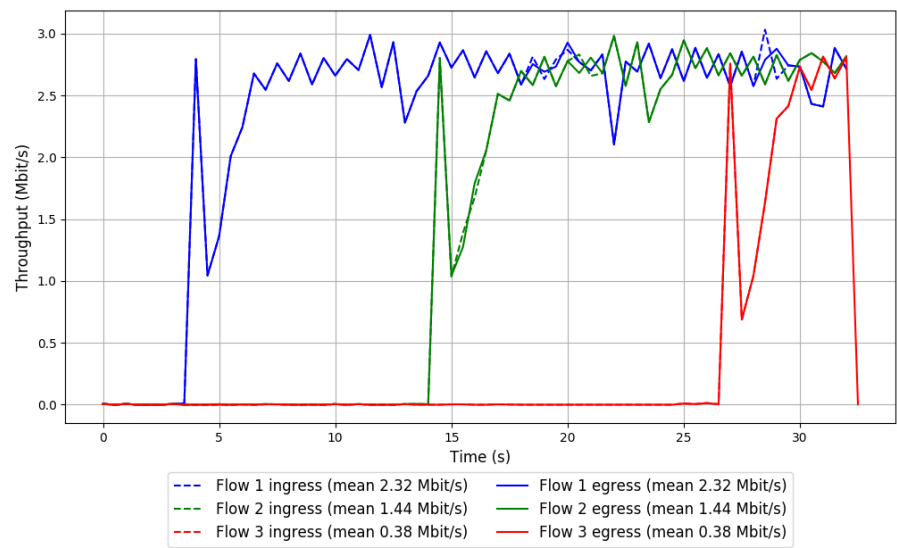
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 8.251 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

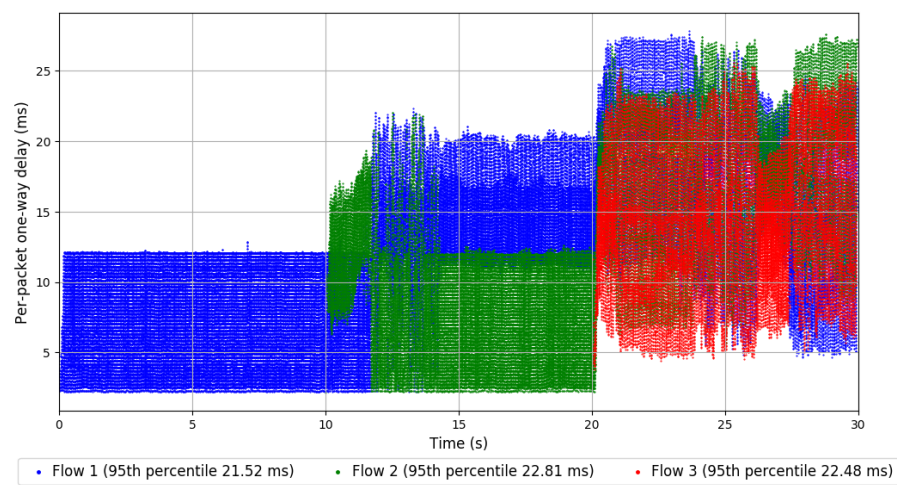
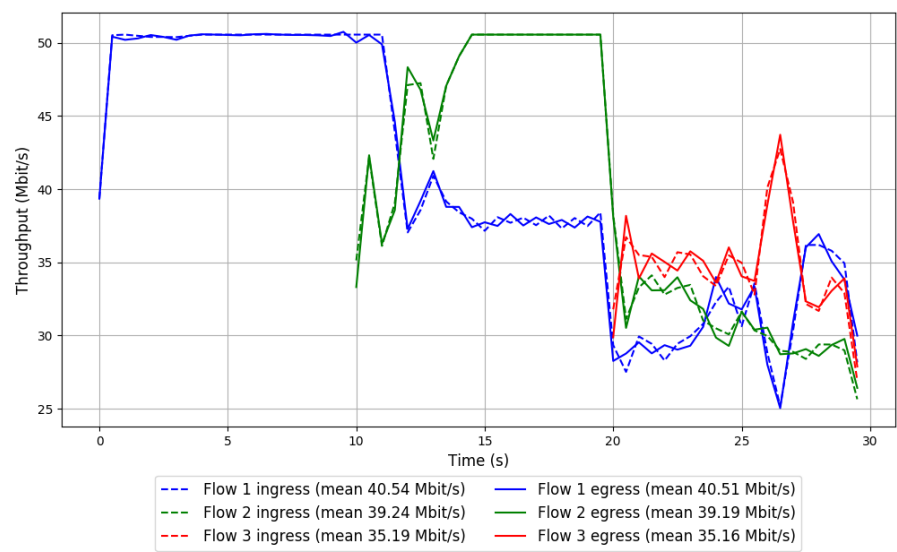


Run 1: Statistics of Sprout

Start at: 2018-01-17 02:37:53
End at: 2018-01-17 02:38:23
Local clock offset: 0.439 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-01-17 06:24:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 22.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 22.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 22.481 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-17 02:58:35

End at: 2018-01-17 02:59:05

Local clock offset: 0.353 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-01-17 06:24:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.88 Mbit/s

95th percentile per-packet one-way delay: 22.927 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.90 Mbit/s

95th percentile per-packet one-way delay: 20.765 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 21.969 ms

Loss rate: 0.00%

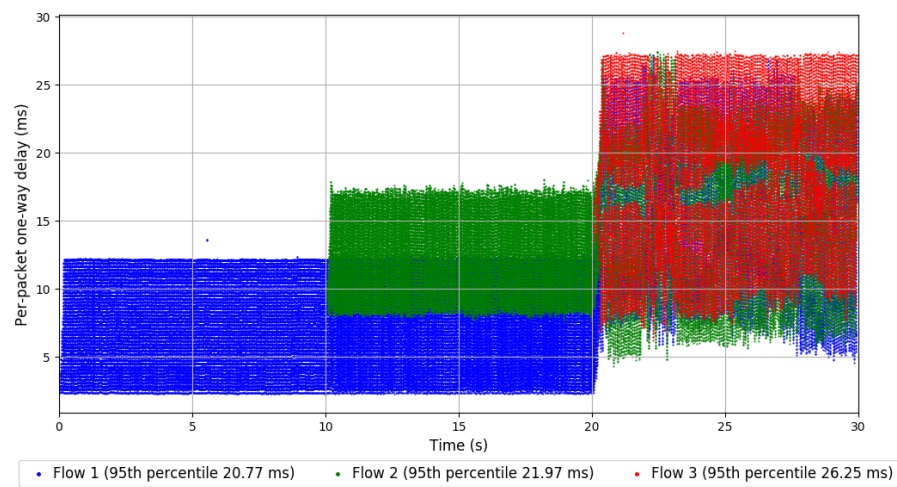
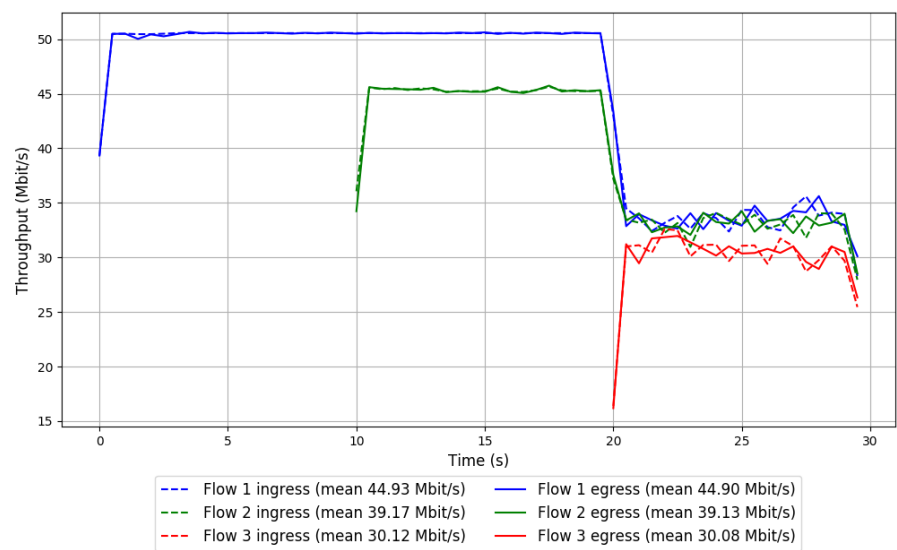
-- Flow 3:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 26.253 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-17 03:19:16

End at: 2018-01-17 03:19:46

Local clock offset: 0.415 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2018-01-17 06:24:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.38 Mbit/s

95th percentile per-packet one-way delay: 22.535 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 20.928 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 22.226 ms

Loss rate: 0.00%

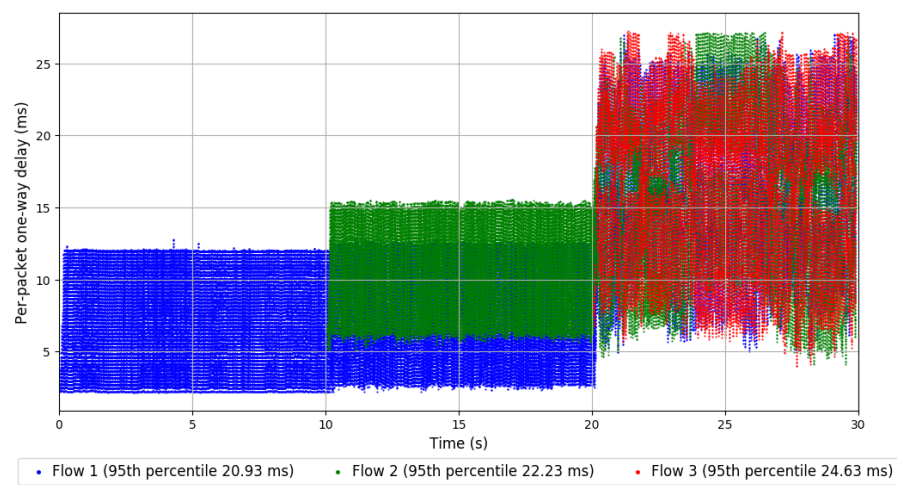
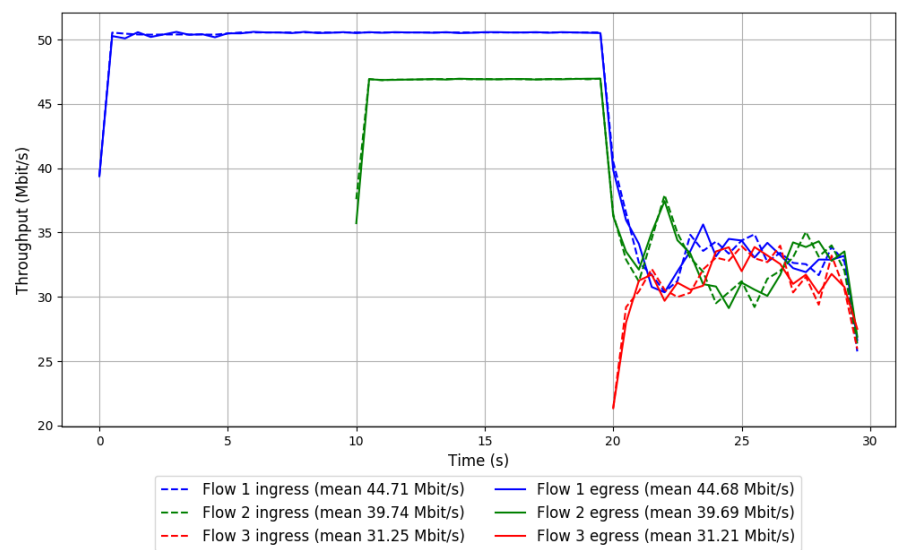
-- Flow 3:

Average throughput: 31.21 Mbit/s

95th percentile per-packet one-way delay: 24.629 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

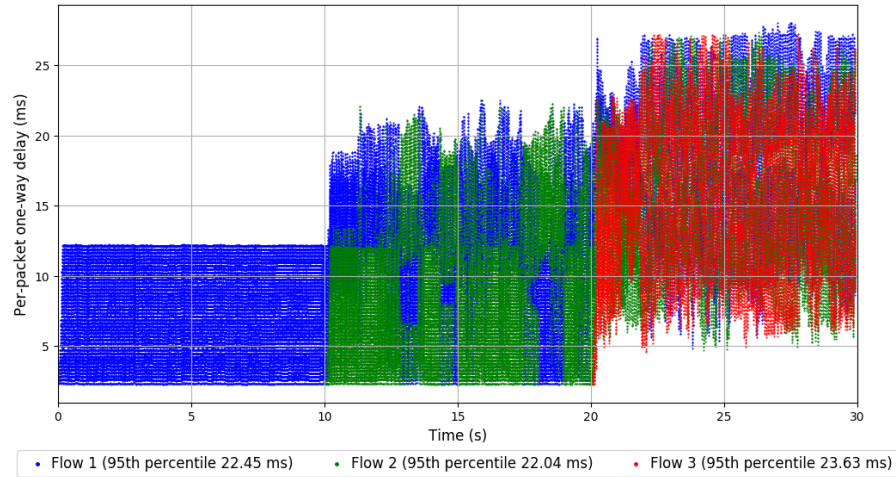
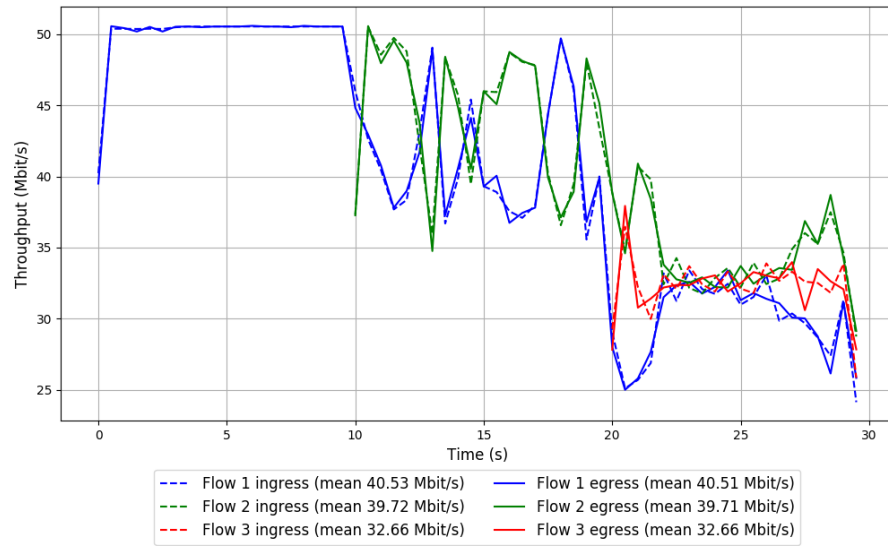


Run 4: Statistics of Sprout

Start at: 2018-01-17 03:40:00
End at: 2018-01-17 03:40:30
Local clock offset: 0.287 ms
Remote clock offset: 0.93 ms

```
# Below is generated by plot.py at 2018-01-17 06:24:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 22.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 22.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 22.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 23.631 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-17 04:00:45

End at: 2018-01-17 04:01:15

Local clock offset: 0.318 ms

Remote clock offset: 1.609 ms

Below is generated by plot.py at 2018-01-17 06:24:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.54 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.44 Mbit/s

95th percentile per-packet one-way delay: 20.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.84 Mbit/s

95th percentile per-packet one-way delay: 23.044 ms

Loss rate: 0.00%

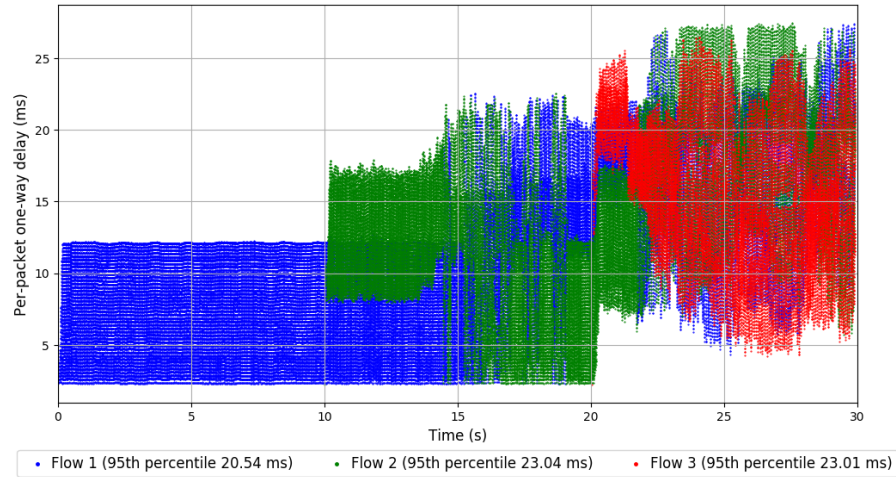
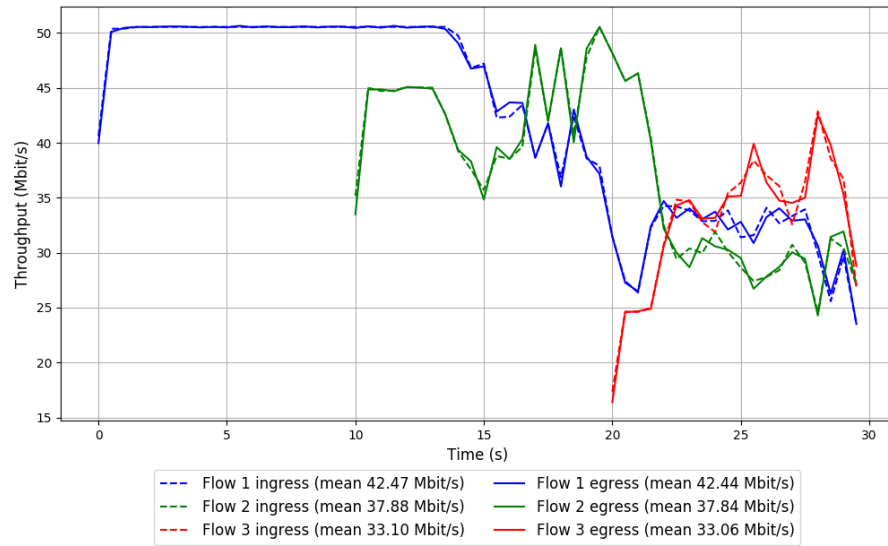
-- Flow 3:

Average throughput: 33.06 Mbit/s

95th percentile per-packet one-way delay: 23.006 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-17 04:21:29

End at: 2018-01-17 04:21:59

Local clock offset: 0.286 ms

Remote clock offset: 1.776 ms

Below is generated by plot.py at 2018-01-17 06:24:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 22.962 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.71 Mbit/s

95th percentile per-packet one-way delay: 20.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.01 Mbit/s

95th percentile per-packet one-way delay: 22.400 ms

Loss rate: 0.00%

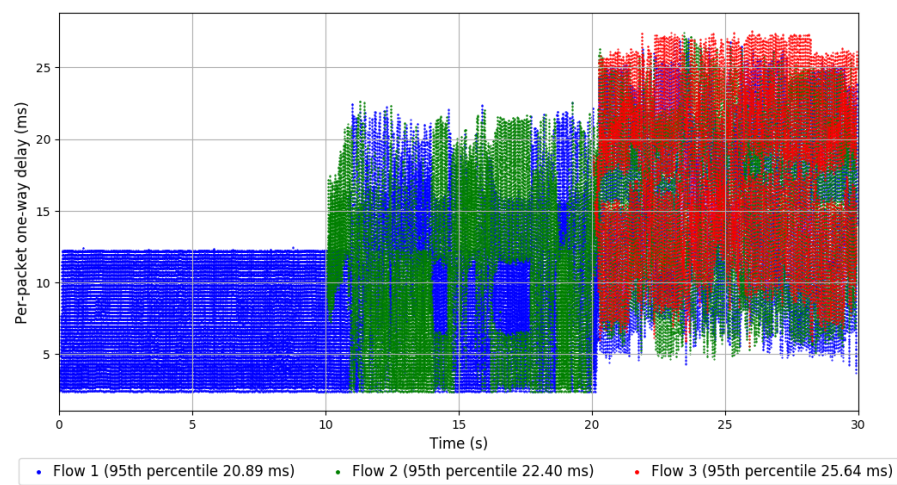
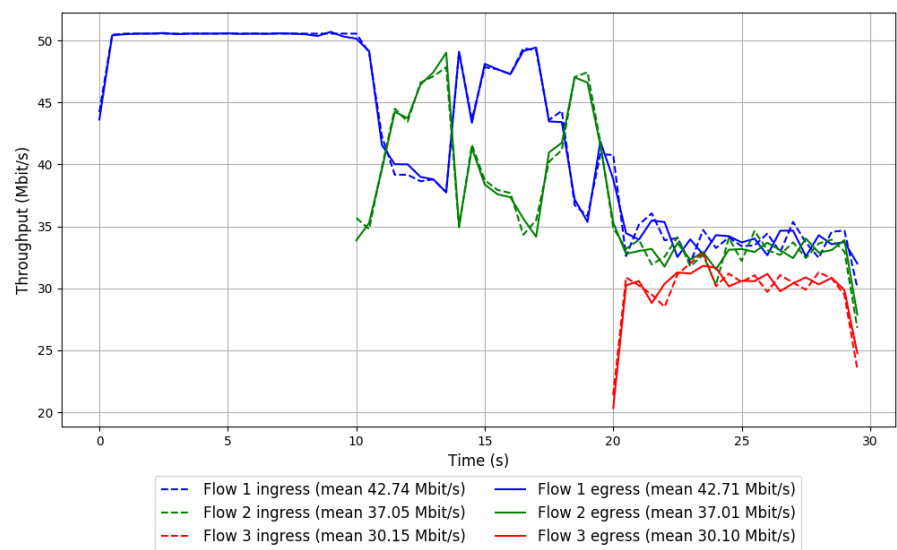
-- Flow 3:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 25.638 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-17 04:42:13

End at: 2018-01-17 04:42:43

Local clock offset: 0.296 ms

Remote clock offset: 1.692 ms

Below is generated by plot.py at 2018-01-17 06:24:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.40 Mbit/s

95th percentile per-packet one-way delay: 21.878 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.92 Mbit/s

95th percentile per-packet one-way delay: 21.163 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.45 Mbit/s

95th percentile per-packet one-way delay: 21.540 ms

Loss rate: 0.00%

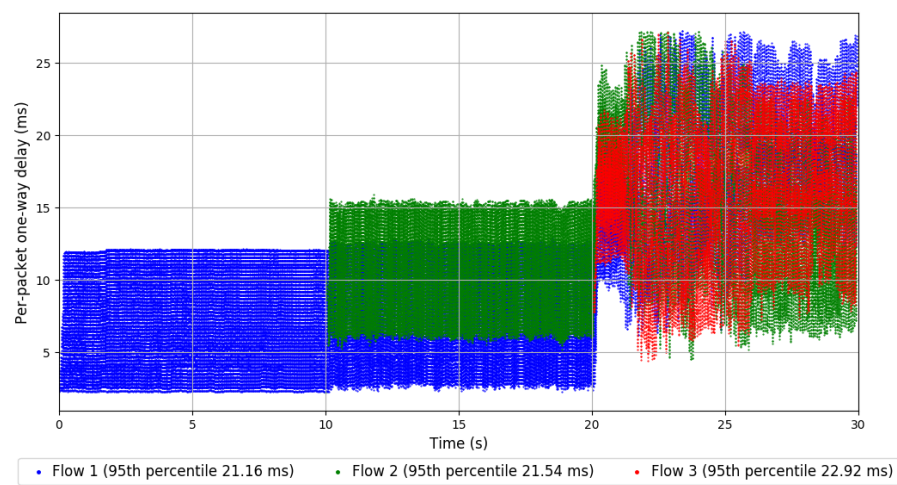
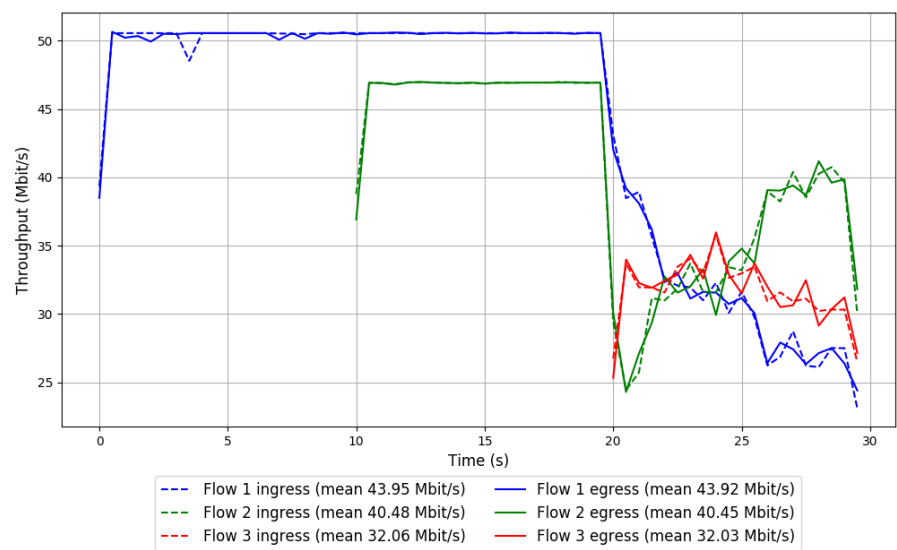
-- Flow 3:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 22.918 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-17 05:02:57

End at: 2018-01-17 05:03:27

Local clock offset: 0.34 ms

Remote clock offset: 1.413 ms

Below is generated by plot.py at 2018-01-17 06:25:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 22.910 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 21.117 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.45 Mbit/s

95th percentile per-packet one-way delay: 21.944 ms

Loss rate: 0.00%

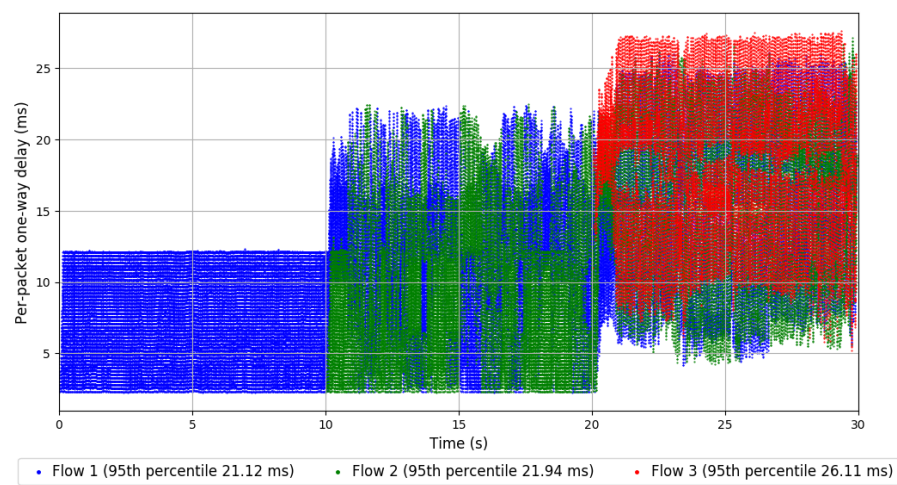
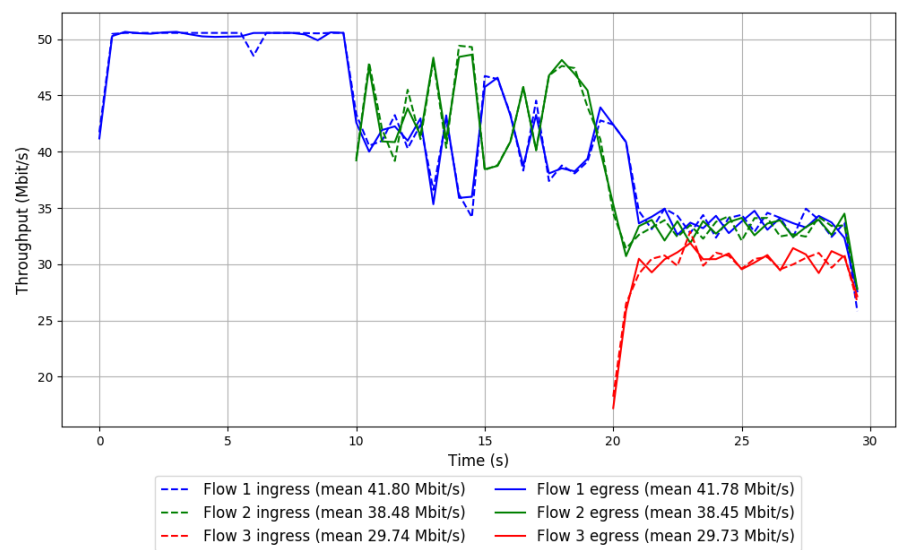
-- Flow 3:

Average throughput: 29.73 Mbit/s

95th percentile per-packet one-way delay: 26.109 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-17 05:23:40

End at: 2018-01-17 05:24:10

Local clock offset: 0.203 ms

Remote clock offset: 1.07 ms

Below is generated by plot.py at 2018-01-17 06:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.80 Mbit/s

95th percentile per-packet one-way delay: 21.975 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.65 Mbit/s

95th percentile per-packet one-way delay: 19.379 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.49 Mbit/s

95th percentile per-packet one-way delay: 21.212 ms

Loss rate: 0.00%

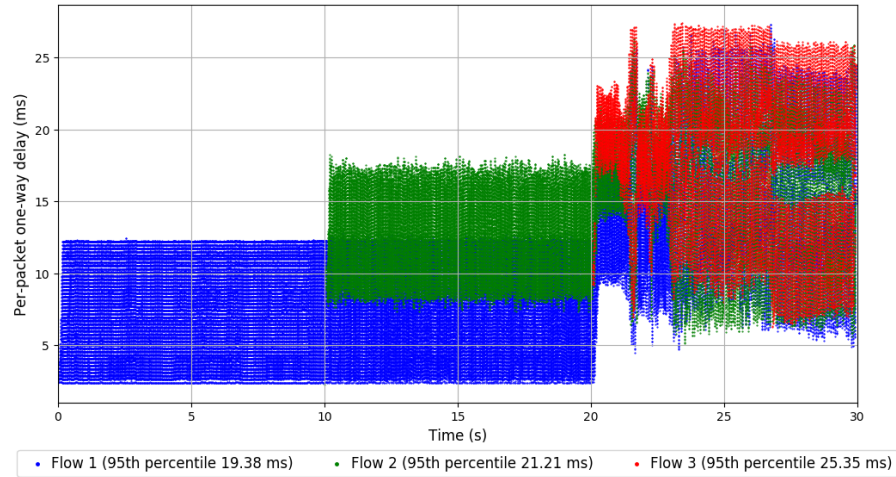
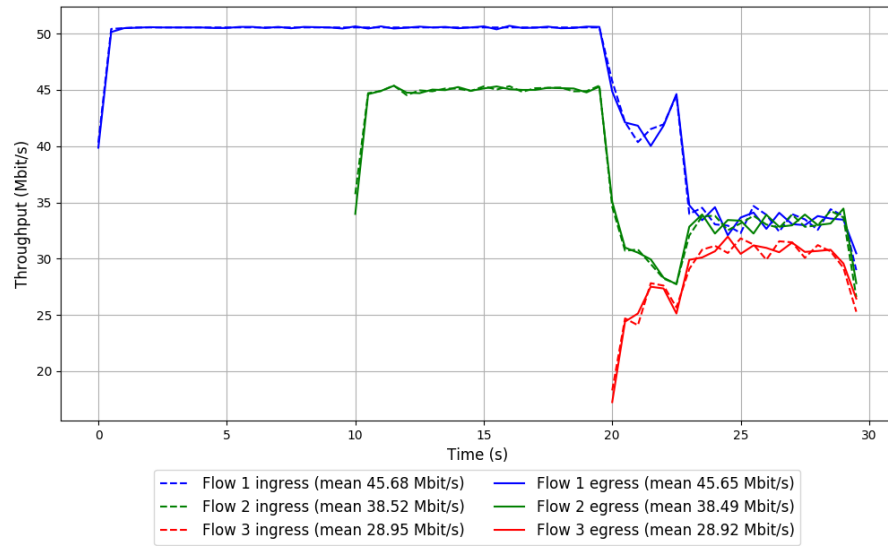
-- Flow 3:

Average throughput: 28.92 Mbit/s

95th percentile per-packet one-way delay: 25.351 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-17 05:44:24

End at: 2018-01-17 05:44:54

Local clock offset: 0.226 ms

Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-01-17 06:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 21.799 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 20.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.11 Mbit/s

95th percentile per-packet one-way delay: 21.061 ms

Loss rate: 0.00%

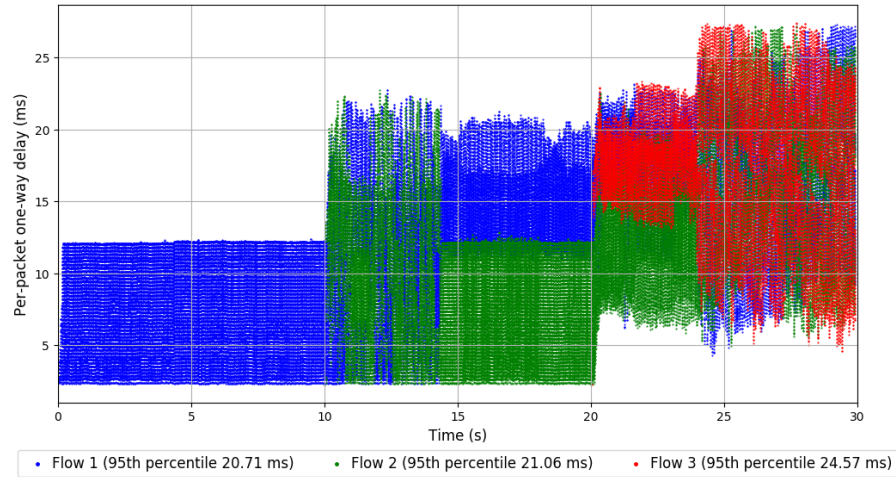
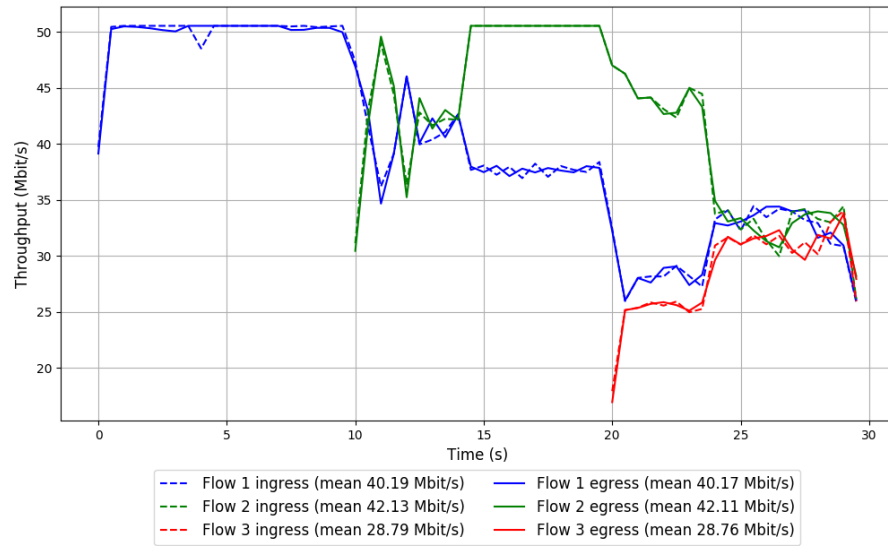
-- Flow 3:

Average throughput: 28.76 Mbit/s

95th percentile per-packet one-way delay: 24.573 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

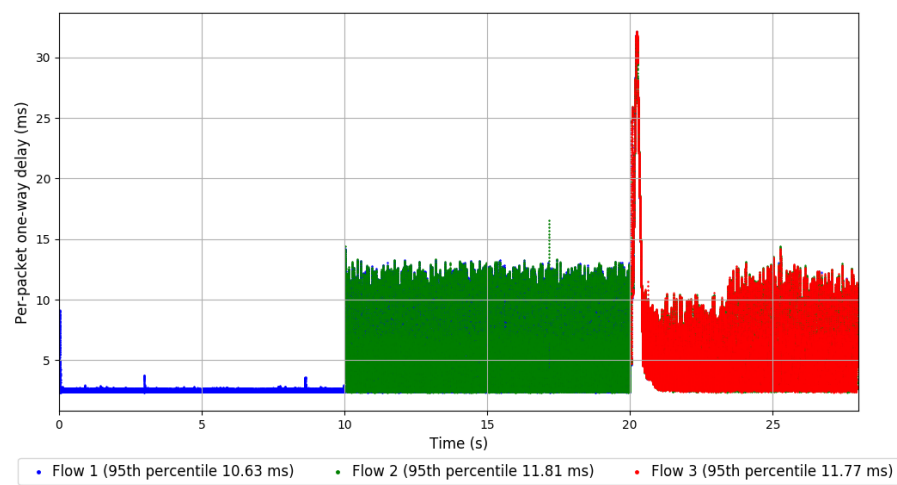
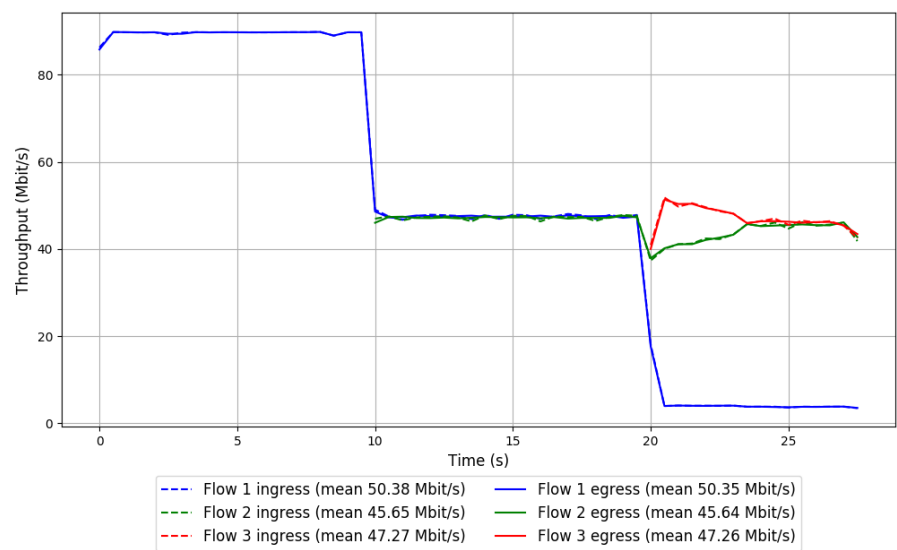


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-17 02:24:00
End at: 2018-01-17 02:24:30
Local clock offset: 0.382 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-01-17 06:26:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 11.335 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 10.634 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 11.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.07%

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

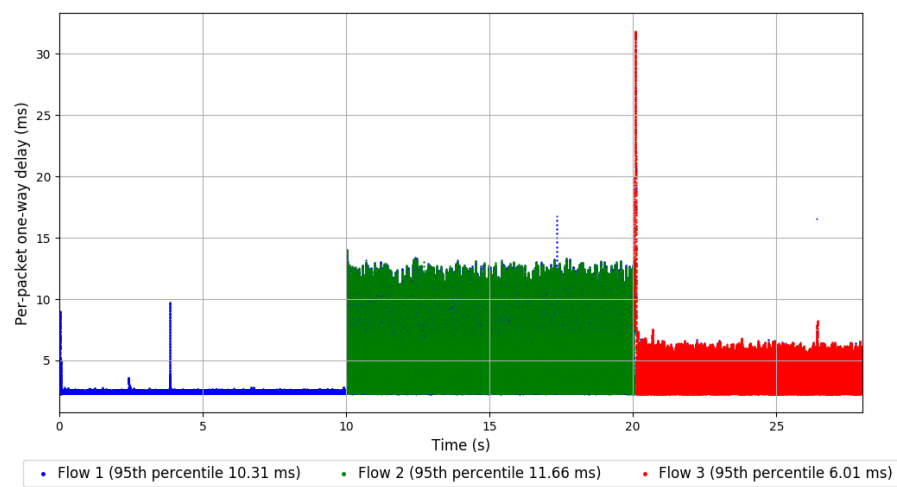
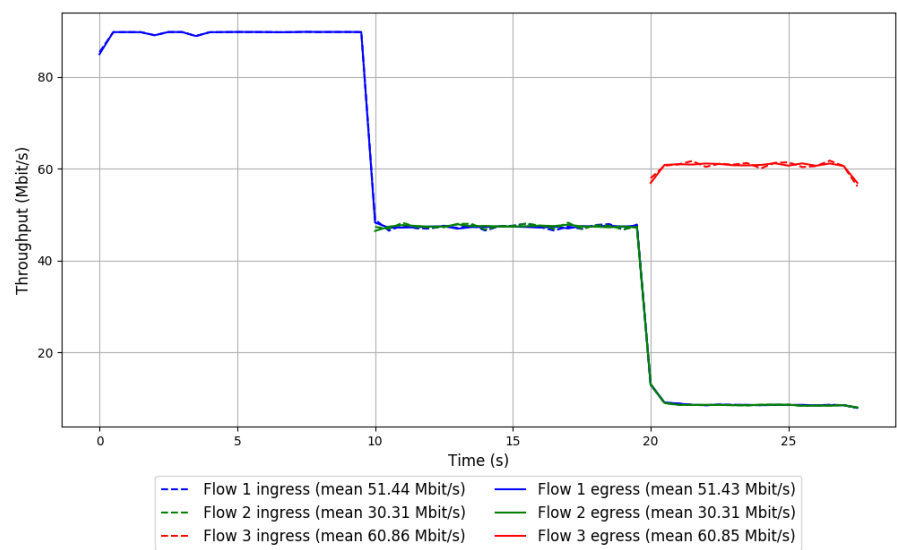


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-17 02:44:42
End at: 2018-01-17 02:45:12
Local clock offset: 0.465 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-01-17 06:26:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 10.688 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 10.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 11.656 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 6.012 ms
Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-17 03:05:25

End at: 2018-01-17 03:05:55

Local clock offset: 0.385 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-01-17 06:26:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.08 Mbit/s

95th percentile per-packet one-way delay: 11.042 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 10.418 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.60 Mbit/s

95th percentile per-packet one-way delay: 11.547 ms

Loss rate: 0.04%

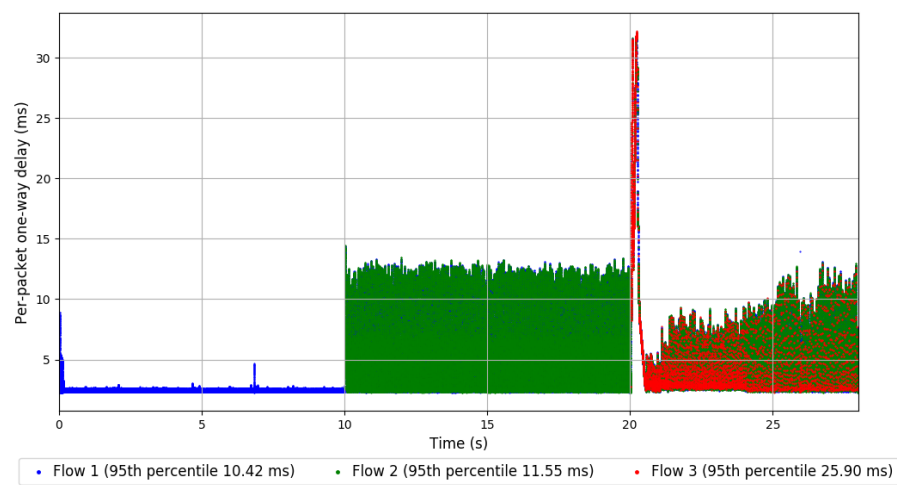
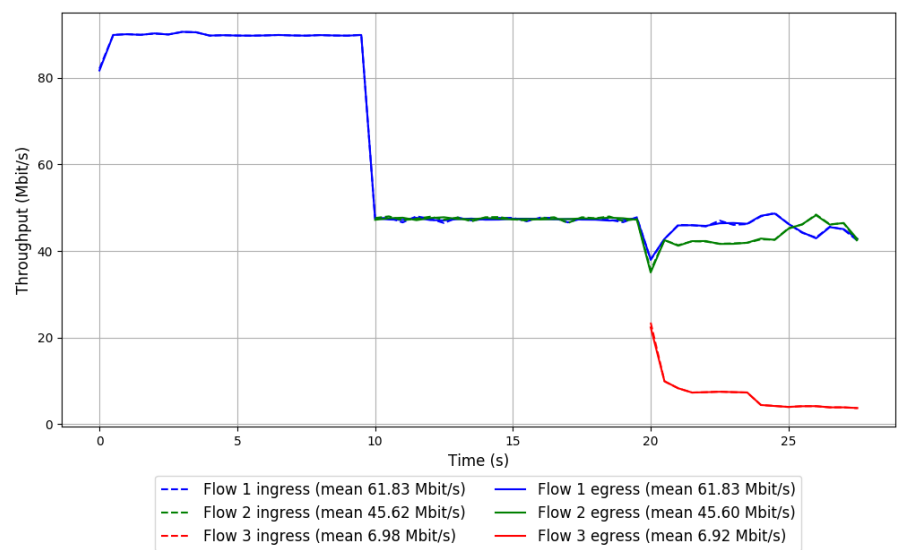
-- Flow 3:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 25.903 ms

Loss rate: 0.92%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-17 03:26:06

End at: 2018-01-17 03:26:36

Local clock offset: 0.391 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-01-17 06:26:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.14 Mbit/s

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

Loss rate: 0.07%

-- Flow 1:

Average throughput: 61.35 Mbit/s

95th percentile per-packet one-way delay: 10.579 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 11.649 ms

Loss rate: 0.02%

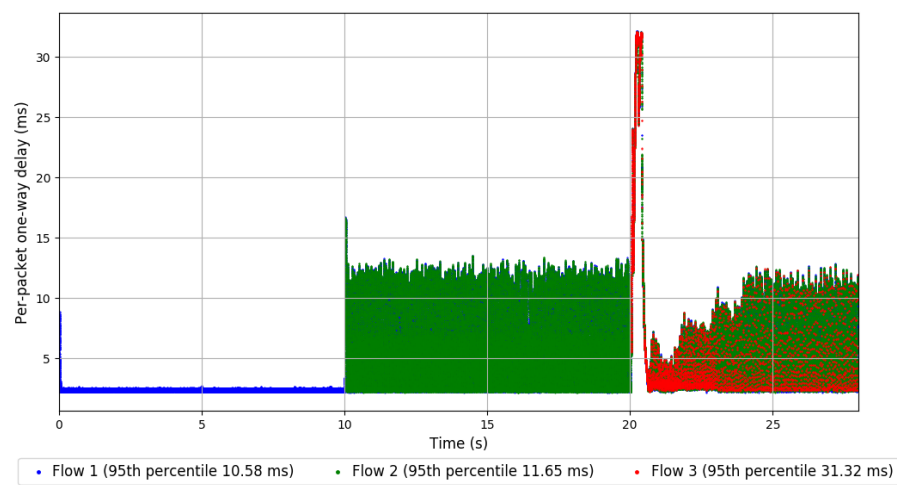
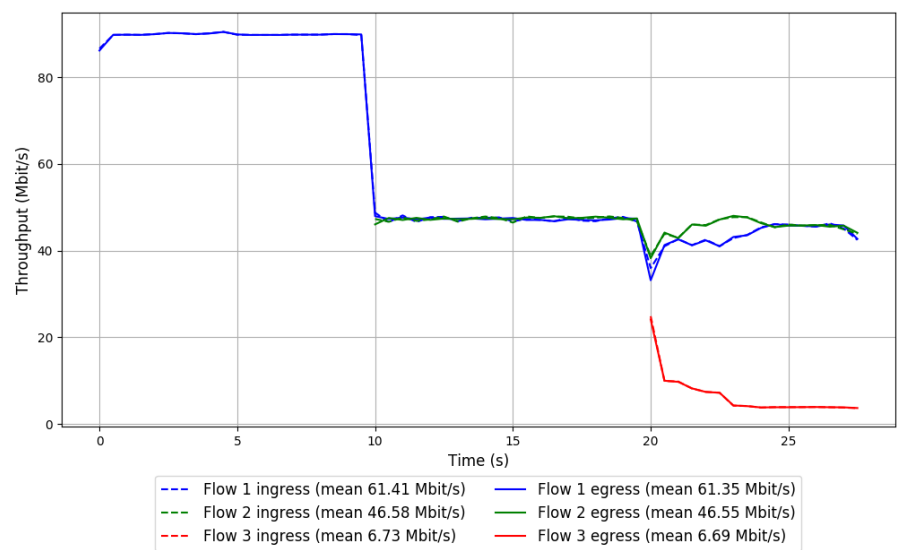
-- Flow 3:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 31.315 ms

Loss rate: 0.63%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-17 03:46:50

End at: 2018-01-17 03:47:20

Local clock offset: 0.285 ms

Remote clock offset: 1.208 ms

Below is generated by plot.py at 2018-01-17 06:26:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 10.858 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.44 Mbit/s

95th percentile per-packet one-way delay: 10.518 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 11.443 ms

Loss rate: 0.07%

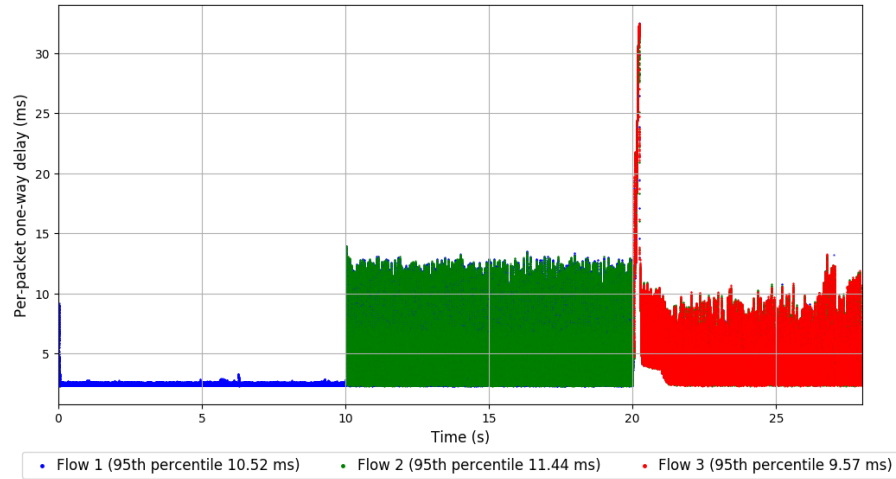
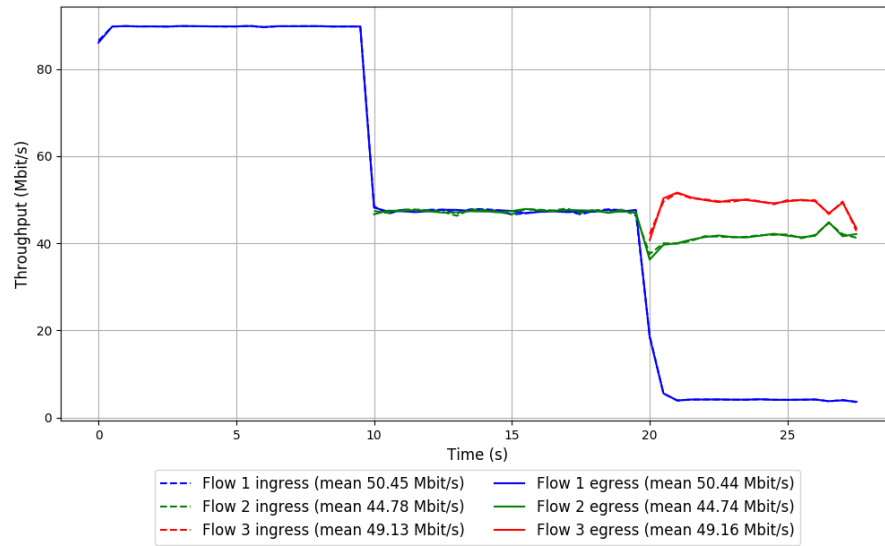
-- Flow 3:

Average throughput: 49.16 Mbit/s

95th percentile per-packet one-way delay: 9.572 ms

Loss rate: 0.01%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-17 04:07:34

End at: 2018-01-17 04:08:04

Local clock offset: 0.309 ms

Remote clock offset: 1.782 ms

Below is generated by plot.py at 2018-01-17 06:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 11.166 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 10.604 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.60 Mbit/s

95th percentile per-packet one-way delay: 11.929 ms

Loss rate: 0.21%

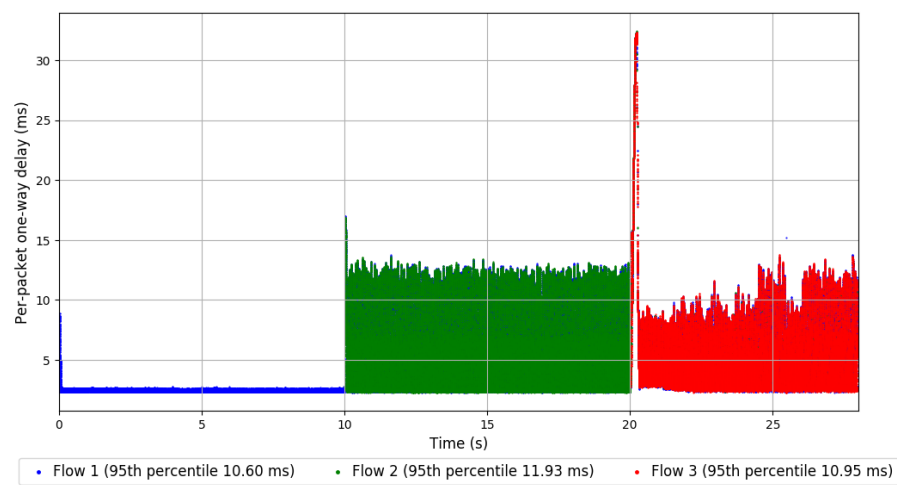
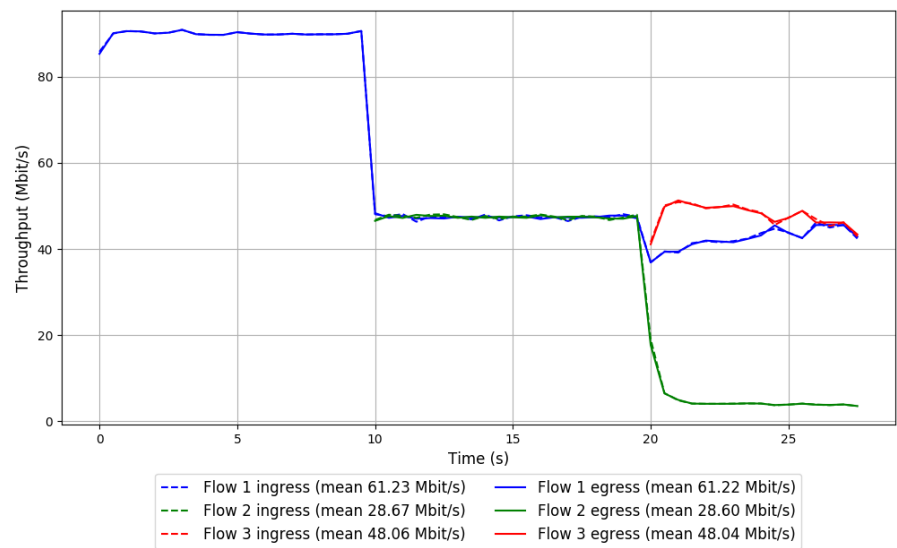
-- Flow 3:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 10.953 ms

Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 04:28:18

End at: 2018-01-17 04:28:48

Local clock offset: 0.364 ms

Remote clock offset: 1.754 ms

Below is generated by plot.py at 2018-01-17 06:27:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 11.085 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 61.03 Mbit/s

95th percentile per-packet one-way delay: 10.388 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.57 Mbit/s

95th percentile per-packet one-way delay: 11.657 ms

Loss rate: 0.03%

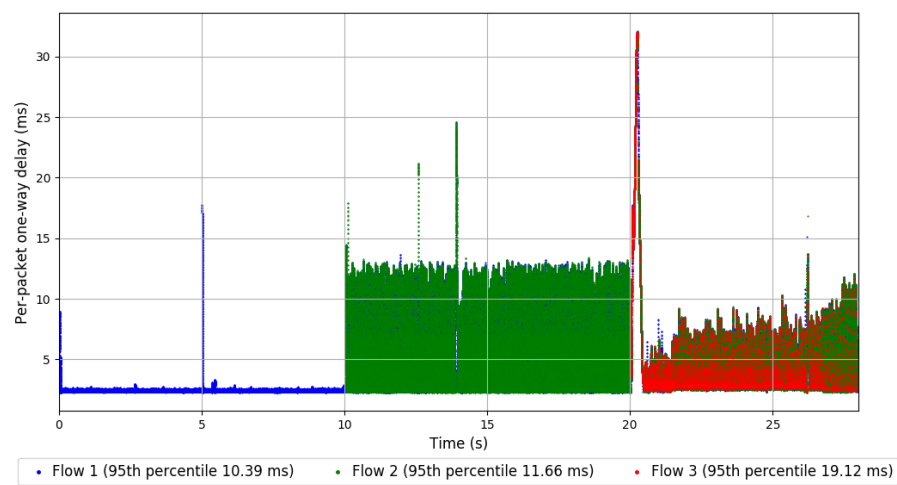
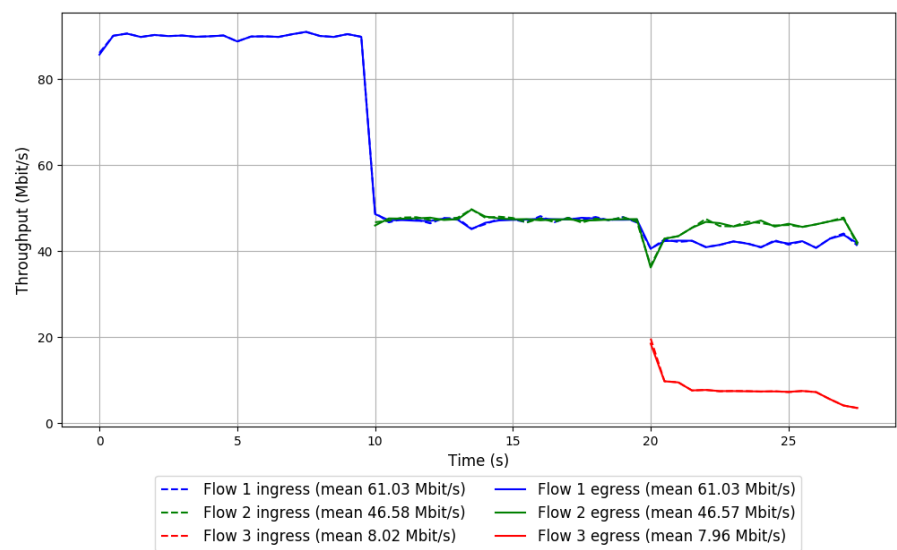
-- Flow 3:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 19.119 ms

Loss rate: 0.89%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 04:49:03

End at: 2018-01-17 04:49:33

Local clock offset: 0.274 ms

Remote clock offset: 1.637 ms

Below is generated by plot.py at 2018-01-17 06:27:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.14 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 61.40 Mbit/s

95th percentile per-packet one-way delay: 11.002 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 29.01 Mbit/s

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

Loss rate: 0.28%

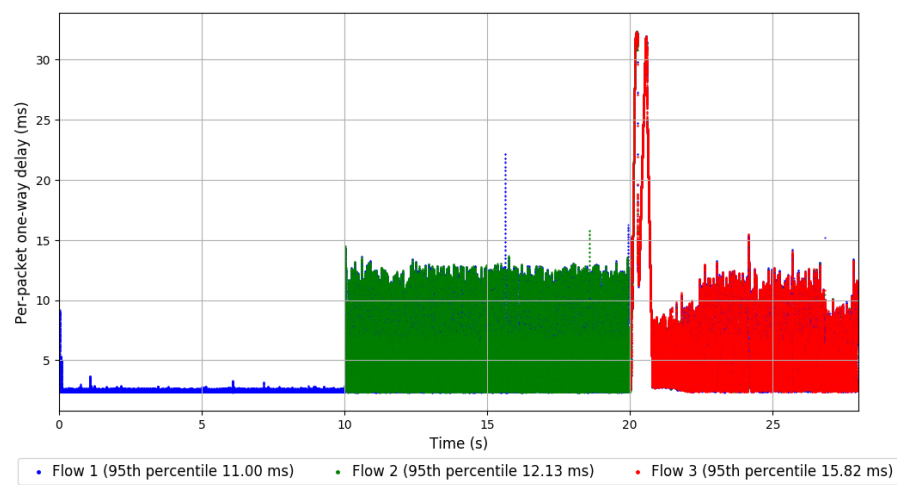
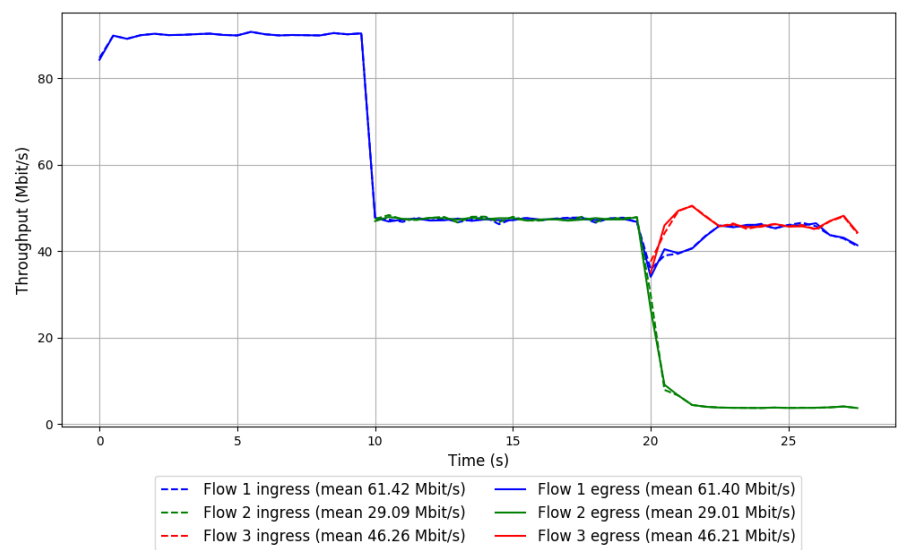
-- Flow 3:

Average throughput: 46.21 Mbit/s

95th percentile per-packet one-way delay: 15.820 ms

Loss rate: 0.05%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 05:09:46

End at: 2018-01-17 05:10:16

Local clock offset: 0.269 ms

Remote clock offset: 1.273 ms

Below is generated by plot.py at 2018-01-17 06:28:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 11.349 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 10.820 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 11.876 ms

Loss rate: 0.16%

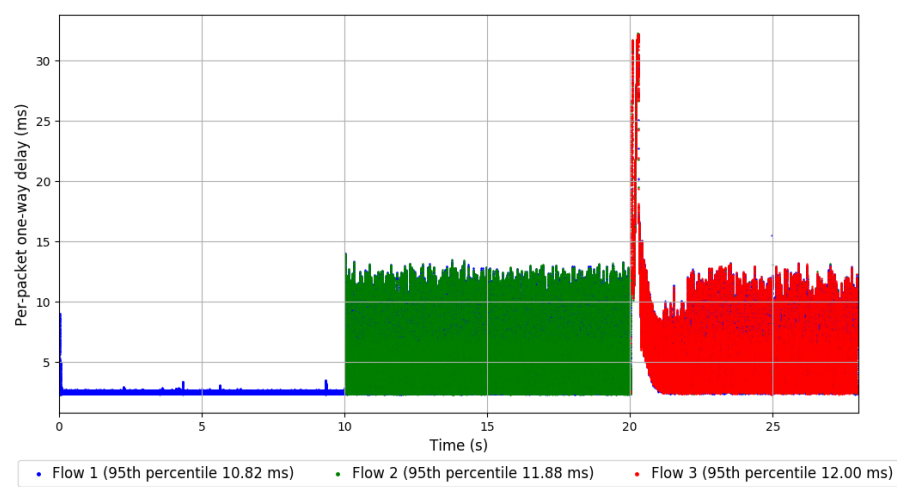
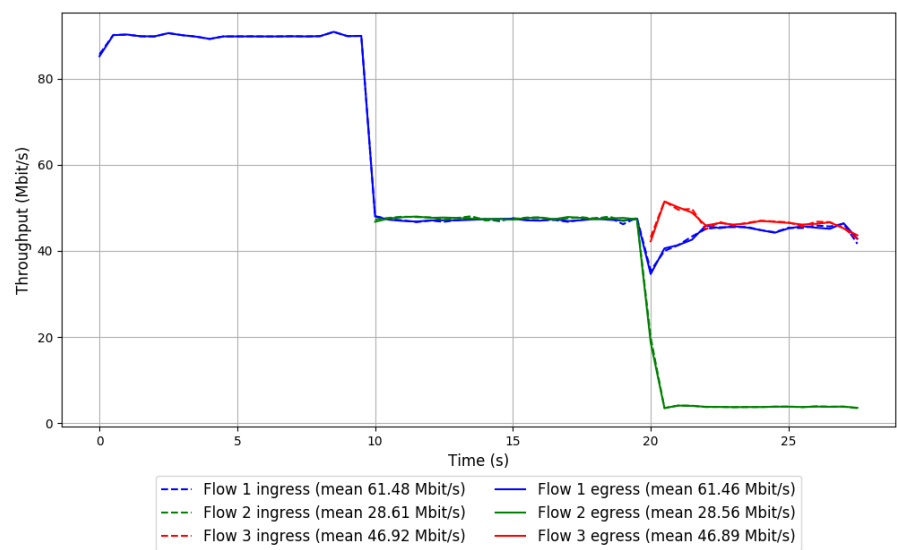
-- Flow 3:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 12.000 ms

Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 05:30:30

End at: 2018-01-17 05:31:00

Local clock offset: 0.237 ms

Remote clock offset: 0.909 ms

Below is generated by plot.py at 2018-01-17 06:28:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 11.498 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 10.742 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 46.15 Mbit/s

95th percentile per-packet one-way delay: 11.898 ms

Loss rate: 0.00%

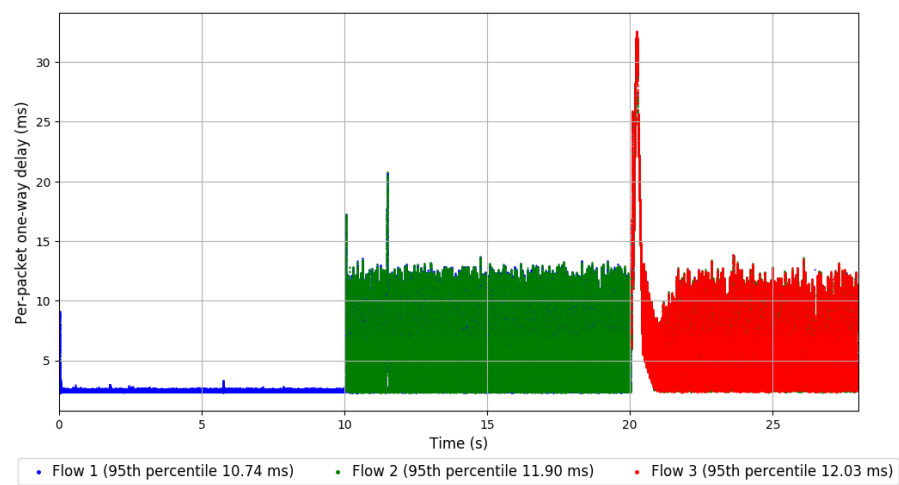
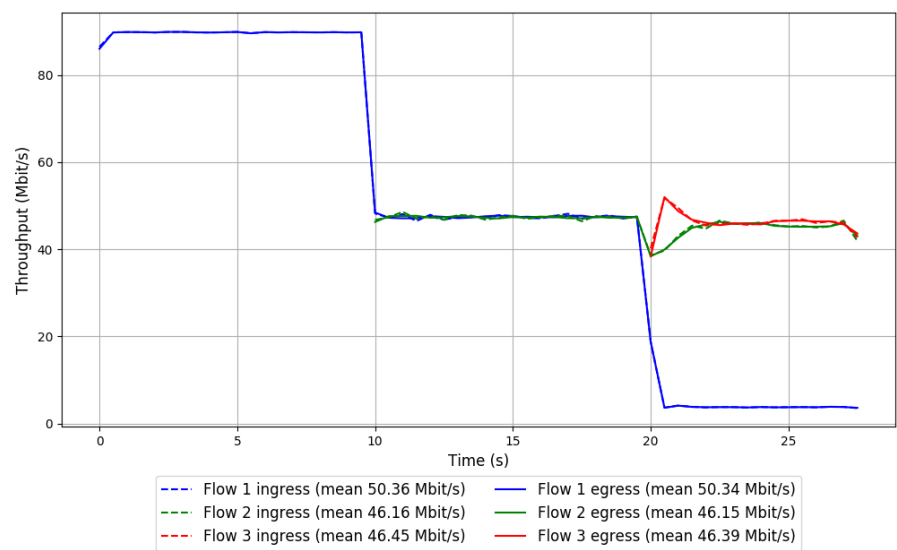
-- Flow 3:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 12.031 ms

Loss rate: 0.18%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-17 02:36:44

End at: 2018-01-17 02:37:14

Local clock offset: 0.399 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-01-17 06:28:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 4.546 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 6.316 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.30 Mbit/s

95th percentile per-packet one-way delay: 4.515 ms

Loss rate: 0.00%

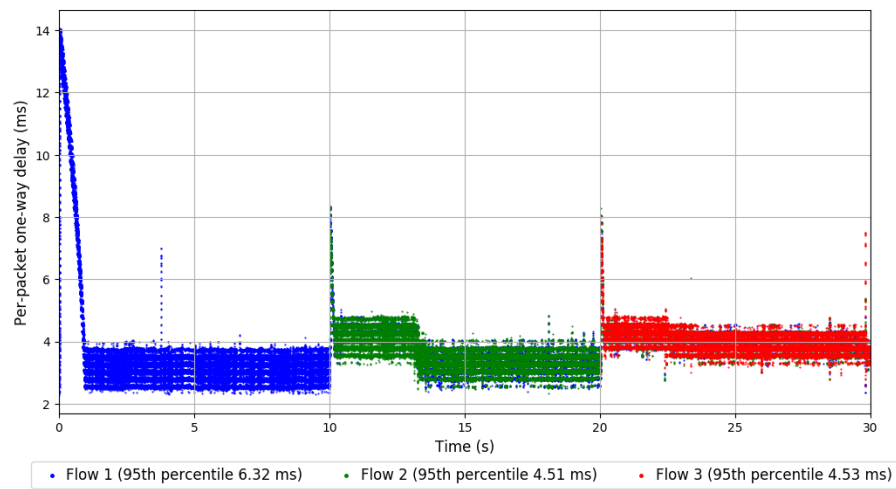
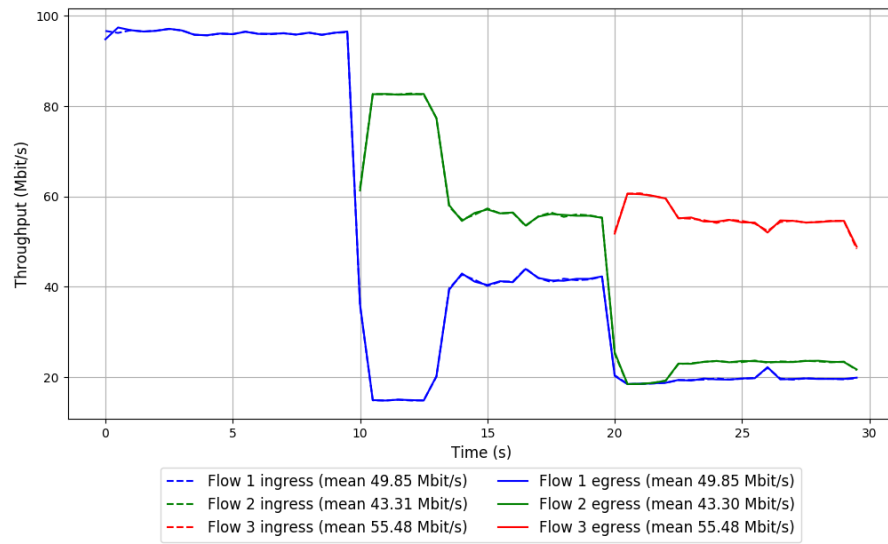
-- Flow 3:

Average throughput: 55.48 Mbit/s

95th percentile per-packet one-way delay: 4.529 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

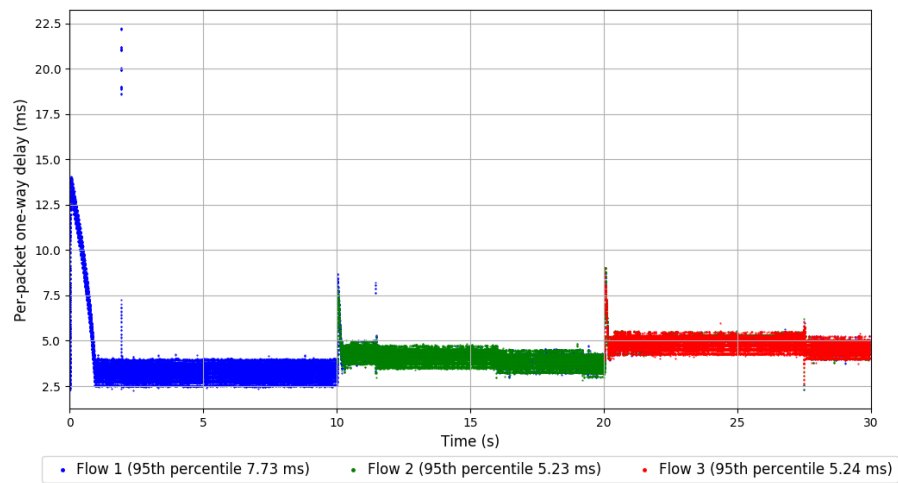
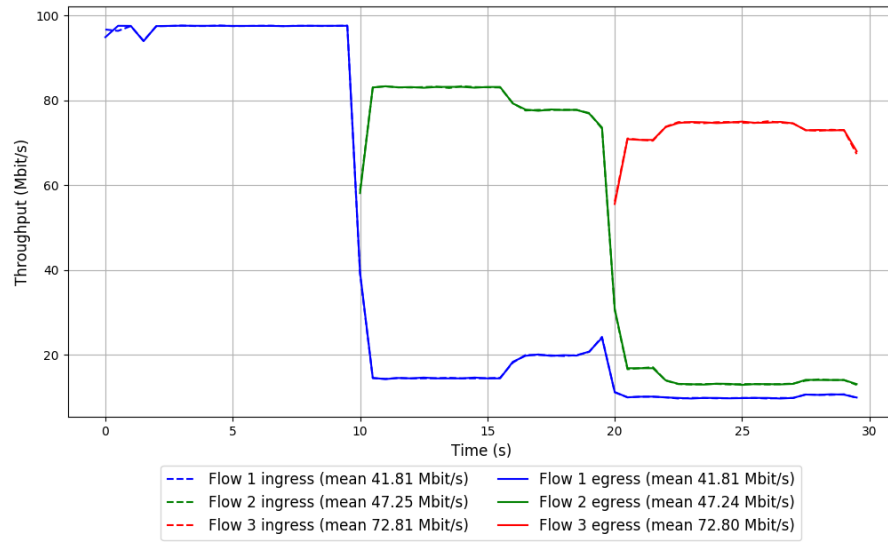


Run 2: Statistics of TCP Vegas

Start at: 2018-01-17 02:57:27
End at: 2018-01-17 02:57:57
Local clock offset: 0.428 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-01-17 06:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 5.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 7.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 5.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-17 03:18:08

End at: 2018-01-17 03:18:38

Local clock offset: 0.401 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-01-17 06:28:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 4.219 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 4.210 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.41 Mbit/s

95th percentile per-packet one-way delay: 4.011 ms

Loss rate: 0.00%

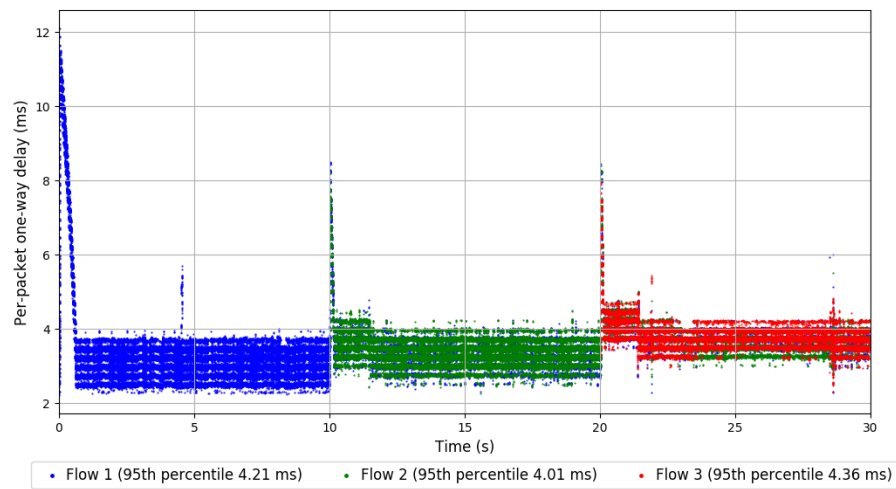
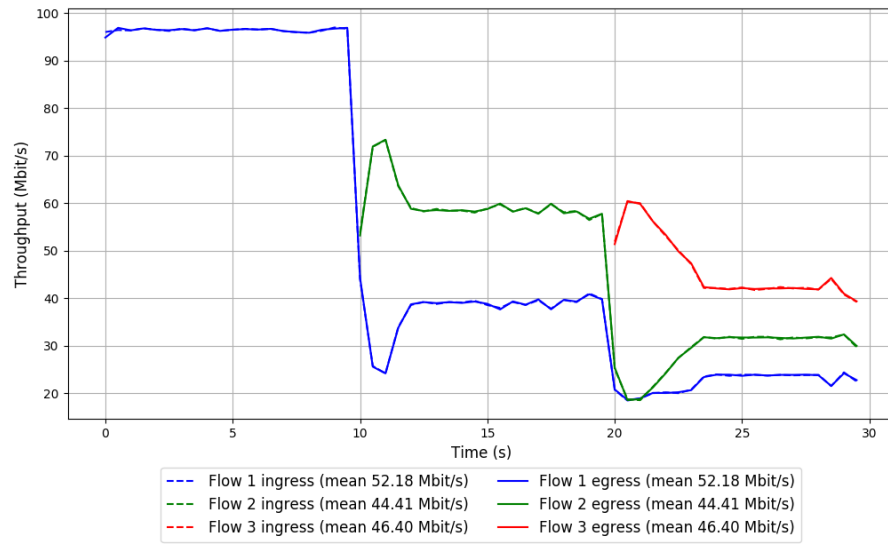
-- Flow 3:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 4.356 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-17 03:38:52

End at: 2018-01-17 03:39:22

Local clock offset: 0.308 ms

Remote clock offset: 0.933 ms

Below is generated by plot.py at 2018-01-17 06:29:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 6.263 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.79 Mbit/s

95th percentile per-packet one-way delay: 13.548 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.30 Mbit/s

95th percentile per-packet one-way delay: 4.998 ms

Loss rate: 0.00%

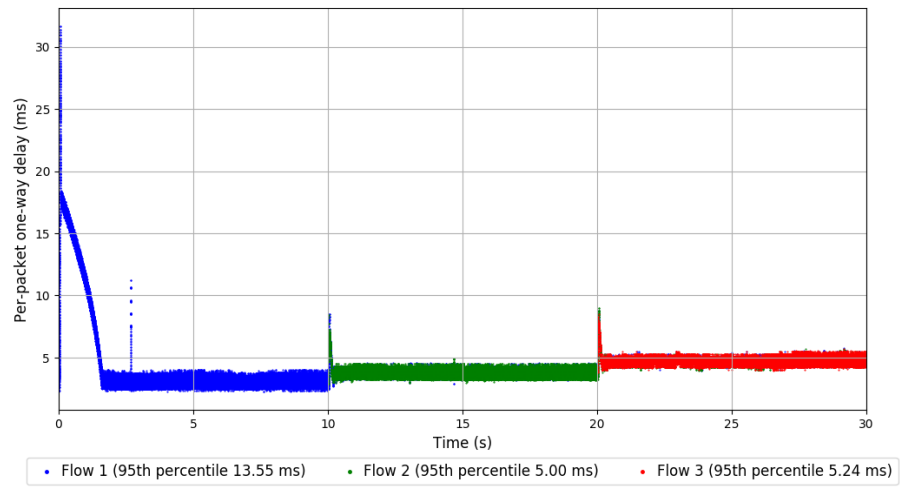
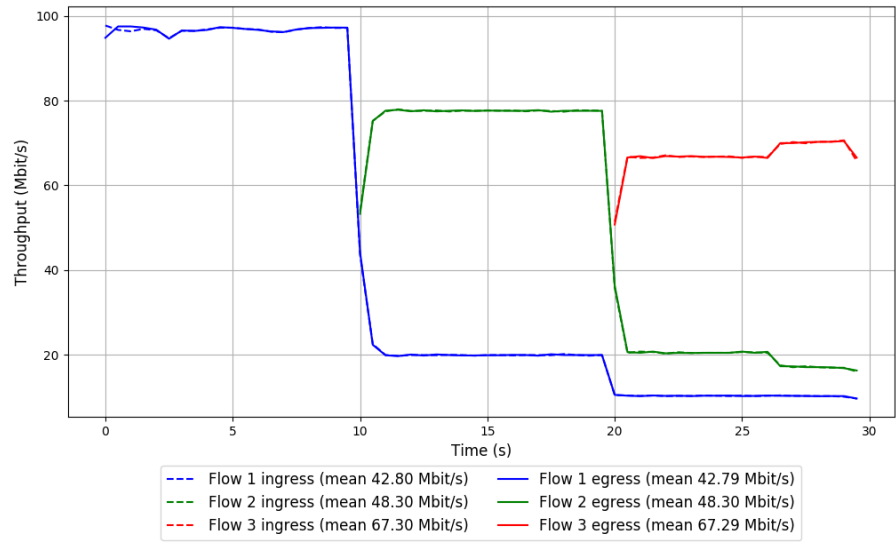
-- Flow 3:

Average throughput: 67.29 Mbit/s

95th percentile per-packet one-way delay: 5.238 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-17 03:59:36

End at: 2018-01-17 04:00:06

Local clock offset: 0.347 ms

Remote clock offset: 1.517 ms

Below is generated by plot.py at 2018-01-17 06:29:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 4.908 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 8.414 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 4.696 ms

Loss rate: 0.00%

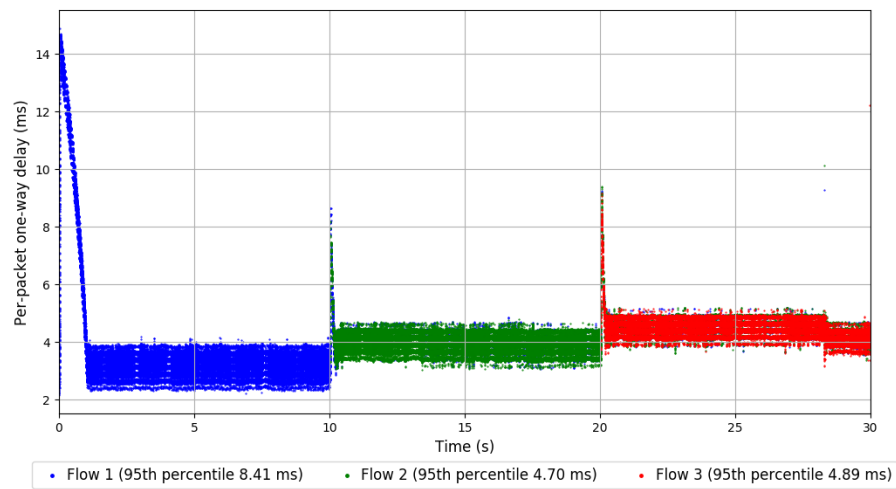
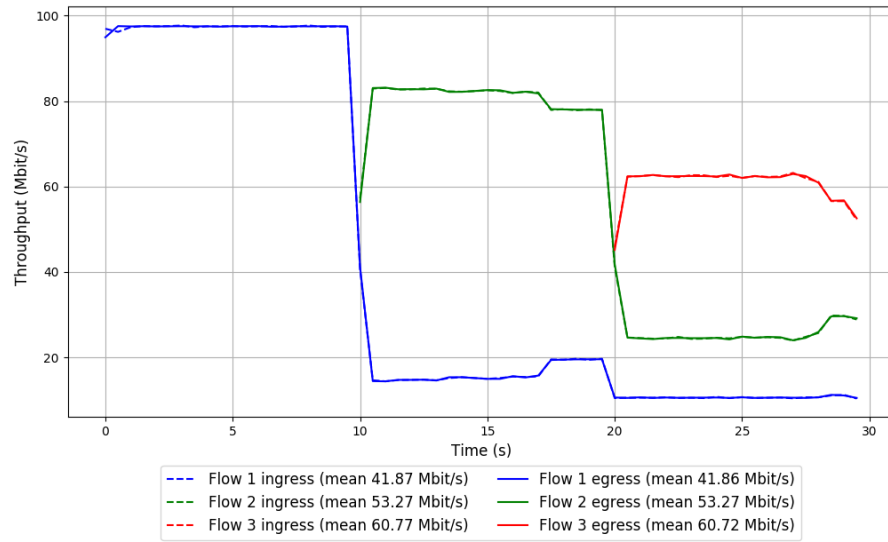
-- Flow 3:

Average throughput: 60.72 Mbit/s

95th percentile per-packet one-way delay: 4.887 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-17 04:20:20

End at: 2018-01-17 04:20:50

Local clock offset: 0.354 ms

Remote clock offset: 1.771 ms

Below is generated by plot.py at 2018-01-17 06:29:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 4.231 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 4.017 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.25 Mbit/s

95th percentile per-packet one-way delay: 4.239 ms

Loss rate: 0.00%

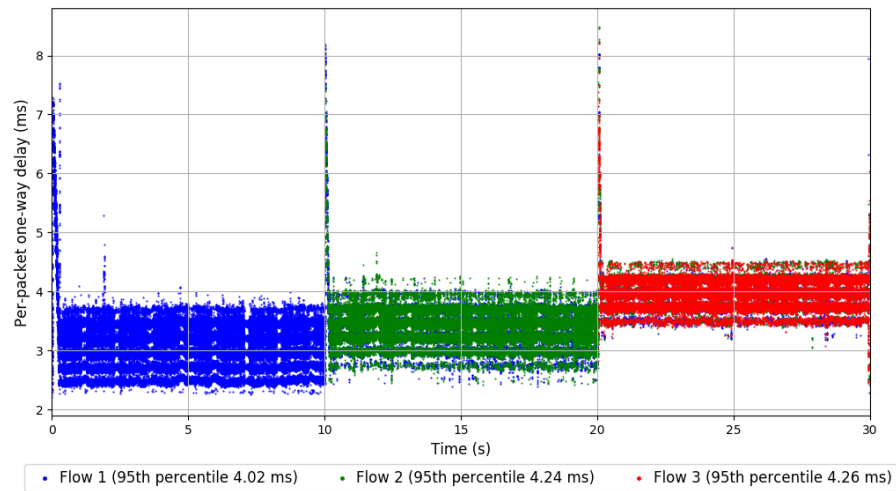
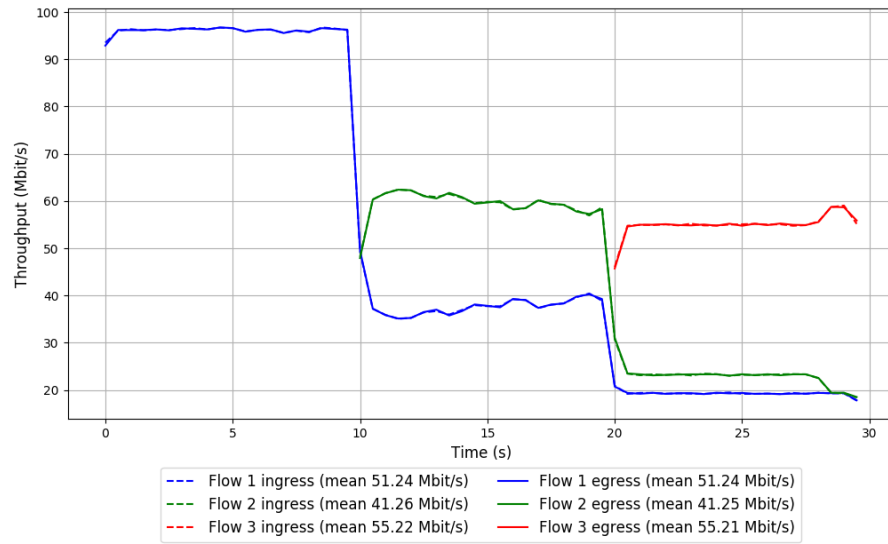
-- Flow 3:

Average throughput: 55.21 Mbit/s

95th percentile per-packet one-way delay: 4.256 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-17 04:41:04

End at: 2018-01-17 04:41:34

Local clock offset: 0.355 ms

Remote clock offset: 1.749 ms

Below is generated by plot.py at 2018-01-17 06:29:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 5.283 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 5.198 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 5.261 ms

Loss rate: 0.00%

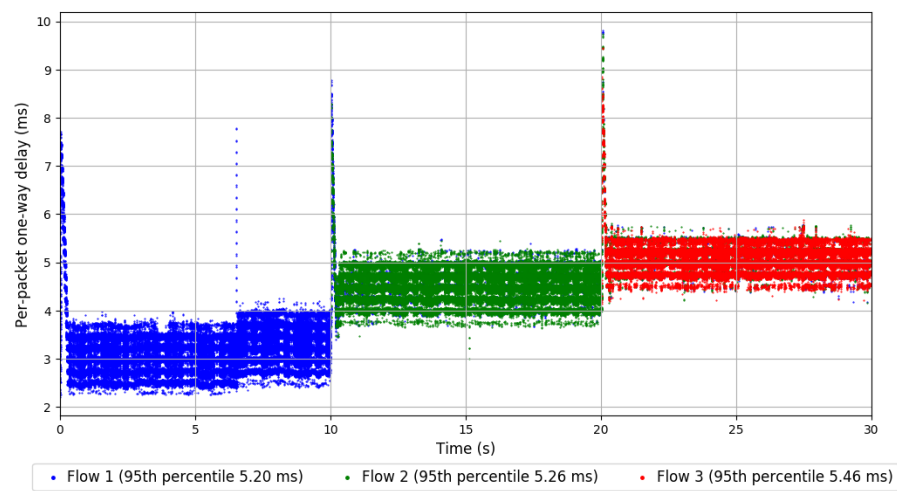
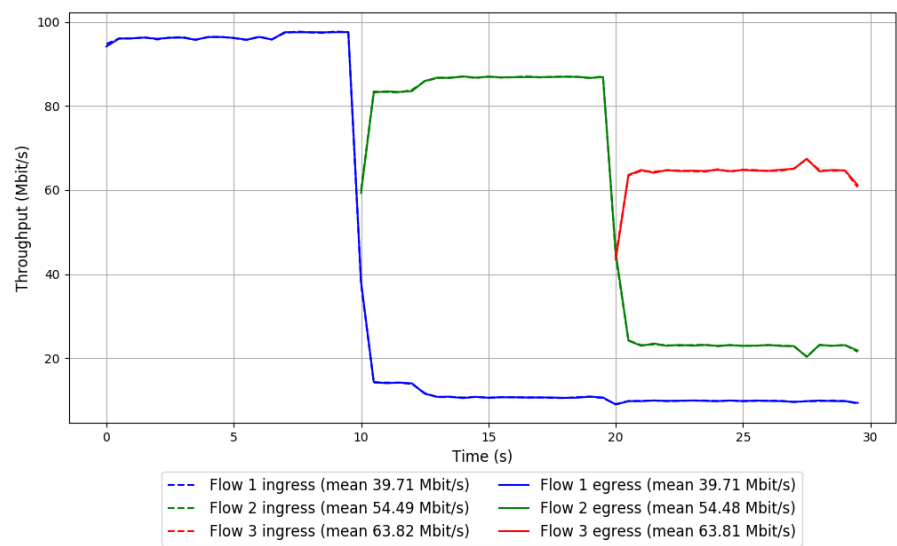
-- Flow 3:

Average throughput: 63.81 Mbit/s

95th percentile per-packet one-way delay: 5.458 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 05:01:48

End at: 2018-01-17 05:02:18

Local clock offset: 0.363 ms

Remote clock offset: 1.367 ms

Below is generated by plot.py at 2018-01-17 06:29:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 4.374 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 3.942 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 4.188 ms

Loss rate: 0.00%

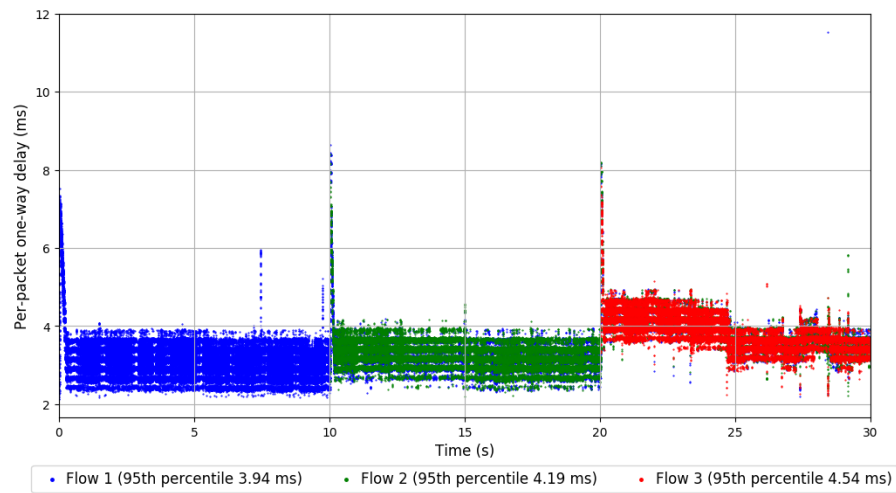
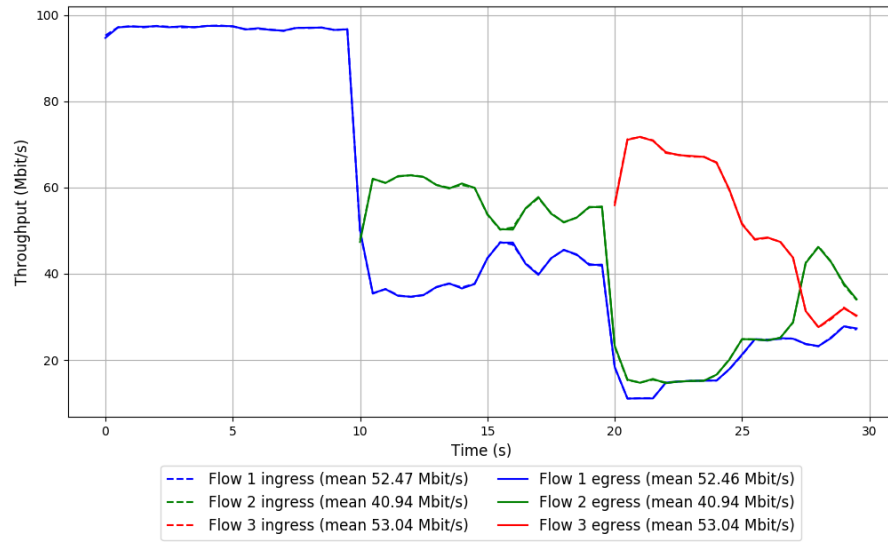
-- Flow 3:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 4.535 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 05:22:31

End at: 2018-01-17 05:23:01

Local clock offset: 0.285 ms

Remote clock offset: 1.026 ms

Below is generated by plot.py at 2018-01-17 06:30:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 4.478 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.97 Mbit/s

95th percentile per-packet one-way delay: 8.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 4.404 ms

Loss rate: 0.00%

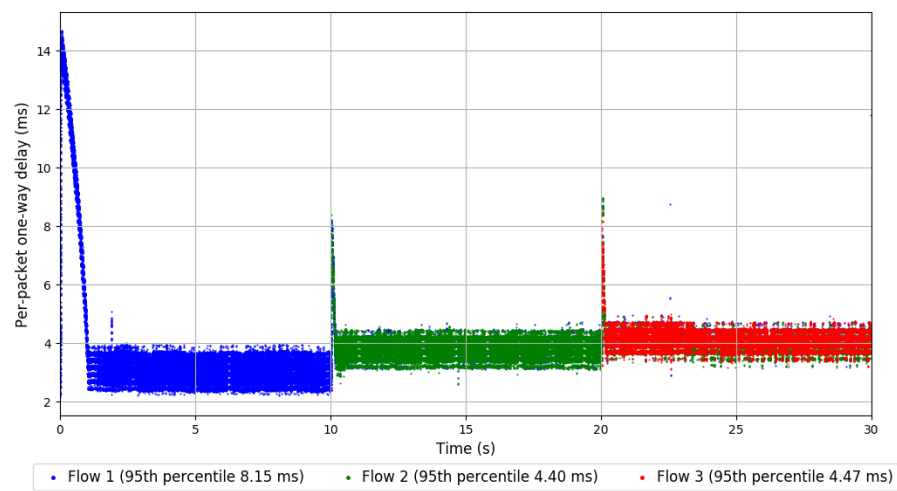
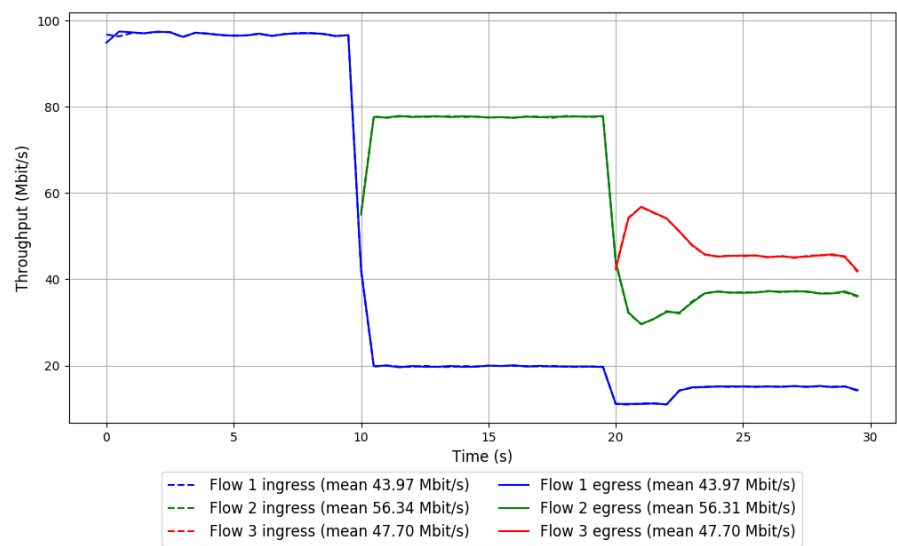
-- Flow 3:

Average throughput: 47.70 Mbit/s

95th percentile per-packet one-way delay: 4.466 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 05:43:15

End at: 2018-01-17 05:43:45

Local clock offset: 0.285 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-01-17 06:30:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 4.988 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.53 Mbit/s

95th percentile per-packet one-way delay: 7.438 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 4.546 ms

Loss rate: 0.00%

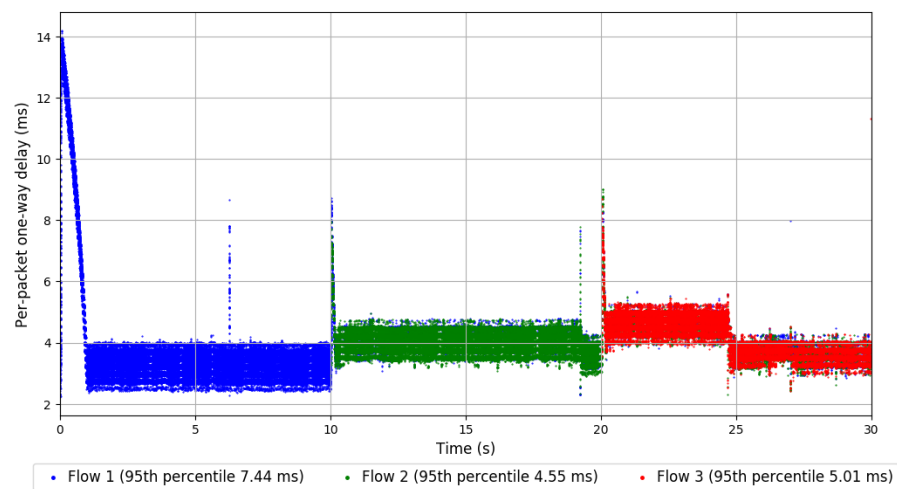
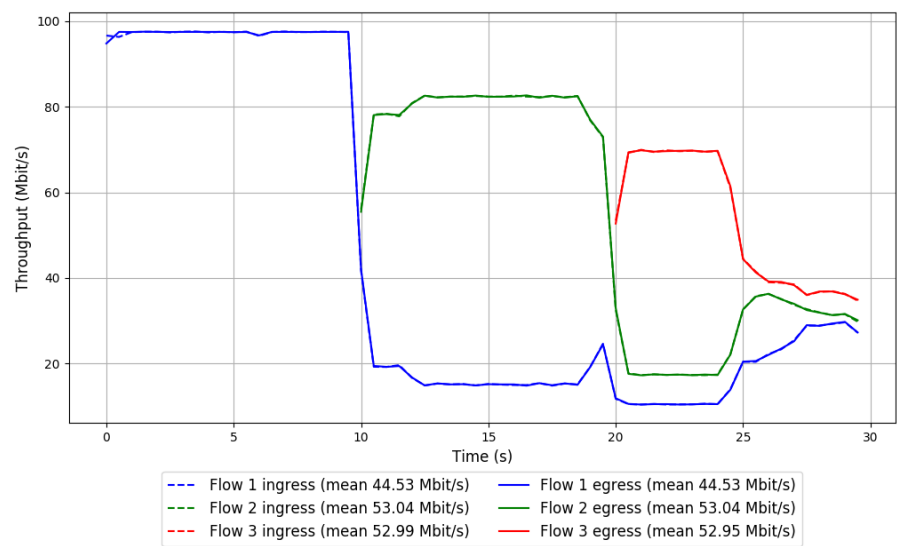
-- Flow 3:

Average throughput: 52.95 Mbit/s

95th percentile per-packet one-way delay: 5.006 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

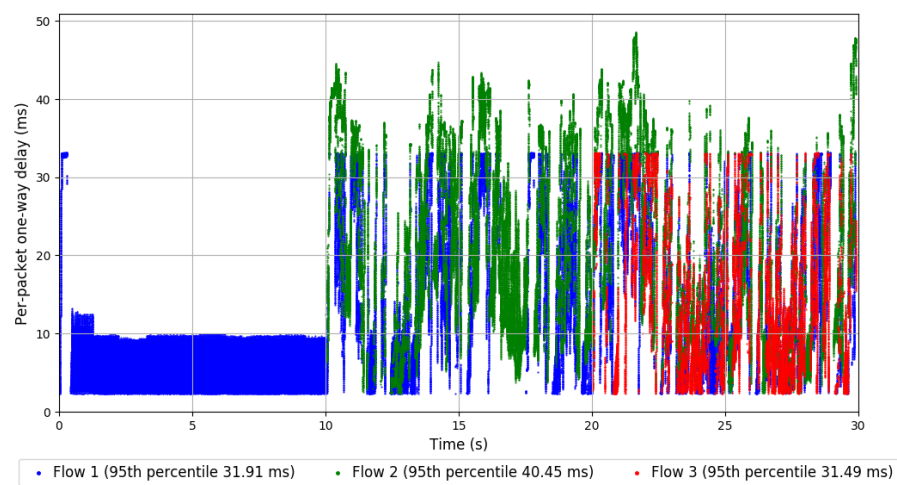
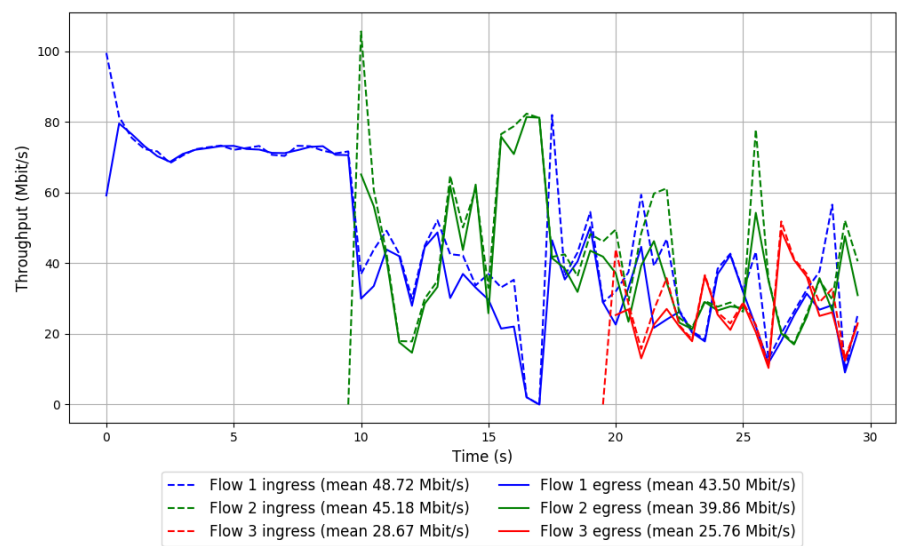


Run 1: Statistics of Verus

Start at: 2018-01-17 02:32:06
End at: 2018-01-17 02:32:36
Local clock offset: 0.374 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-01-17 06:30:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 35.539 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 10.61%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 40.454 ms
Loss rate: 11.63%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 31.488 ms
Loss rate: 10.05%

Run 1: Report of Verus — Data Link

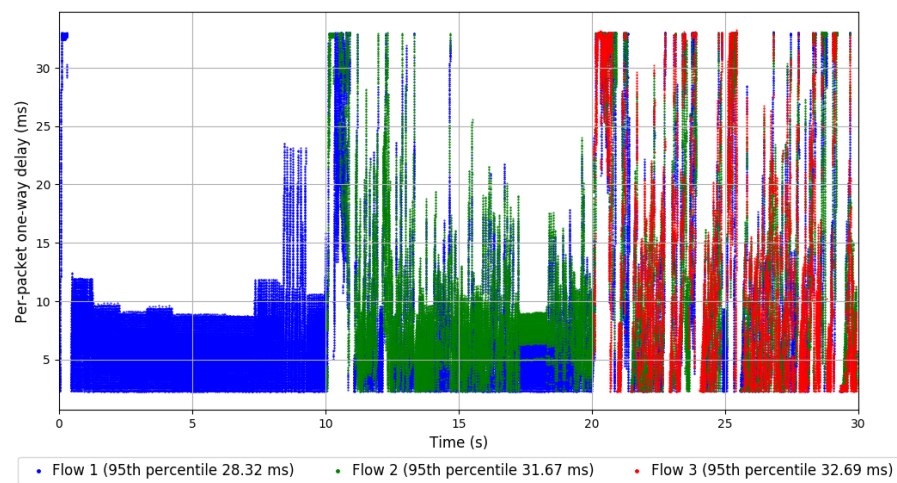
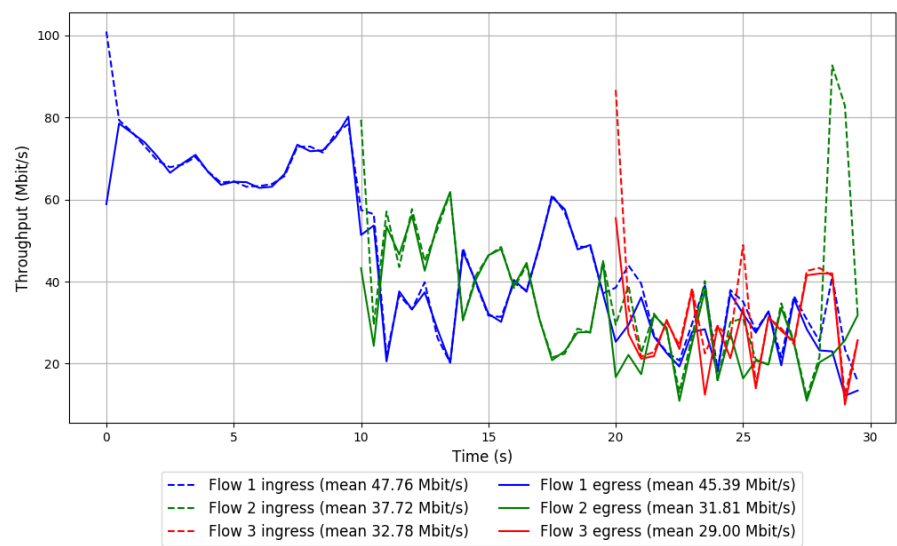


Run 2: Statistics of Verus

Start at: 2018-01-17 02:52:49
End at: 2018-01-17 02:53:19
Local clock offset: 0.442 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-01-17 06:30:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 30.850 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 28.321 ms
Loss rate: 4.94%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 15.66%
-- Flow 3:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 11.56%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-17 03:13:30

End at: 2018-01-17 03:14:00

Local clock offset: 0.356 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-01-17 06:30:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 32.629 ms

Loss rate: 15.78%

-- Flow 1:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 31.886 ms

Loss rate: 10.17%

-- Flow 2:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 32.478 ms

Loss rate: 17.15%

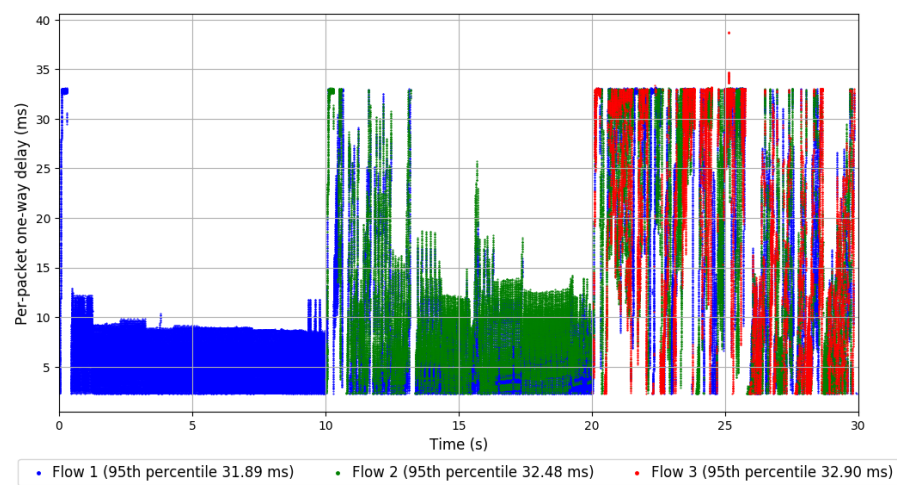
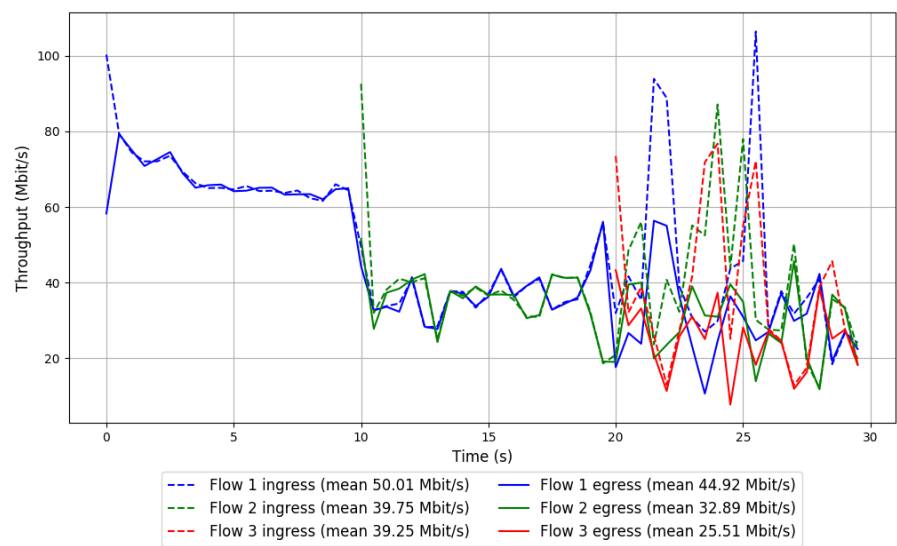
-- Flow 3:

Average throughput: 25.51 Mbit/s

95th percentile per-packet one-way delay: 32.898 ms

Loss rate: 34.82%

Run 3: Report of Verus — Data Link

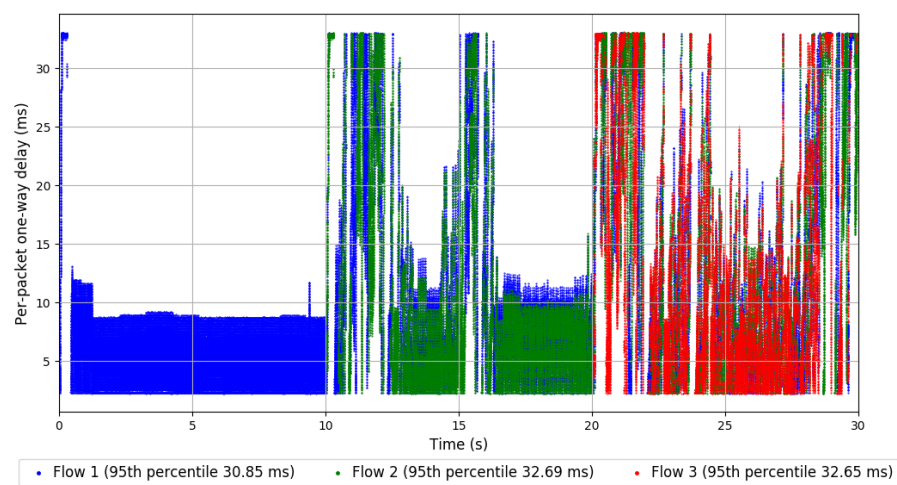
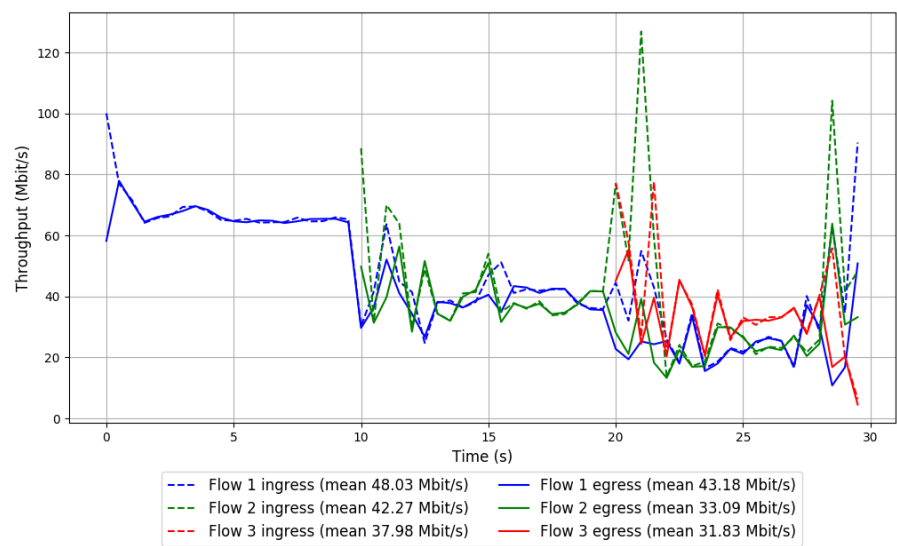


Run 4: Statistics of Verus

Start at: 2018-01-17 03:34:14
End at: 2018-01-17 03:34:44
Local clock offset: 0.376 ms
Remote clock offset: 0.746 ms

Below is generated by plot.py at 2018-01-17 06:30:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 32.367 ms
Loss rate: 14.54%
-- Flow 1:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 30.853 ms
Loss rate: 10.02%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 21.62%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 32.648 ms
Loss rate: 15.96%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-17 03:54:58

End at: 2018-01-17 03:55:28

Local clock offset: 0.341 ms

Remote clock offset: 1.461 ms

Below is generated by plot.py at 2018-01-17 06:30:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.47 Mbit/s

95th percentile per-packet one-way delay: 32.661 ms

Loss rate: 19.82%

-- Flow 1:

Average throughput: 44.91 Mbit/s

95th percentile per-packet one-way delay: 31.378 ms

Loss rate: 17.91%

-- Flow 2:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 32.721 ms

Loss rate: 22.83%

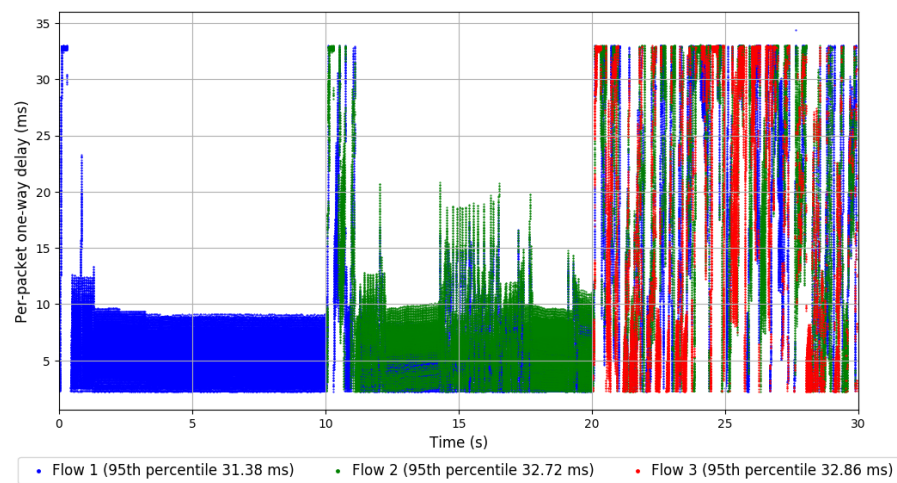
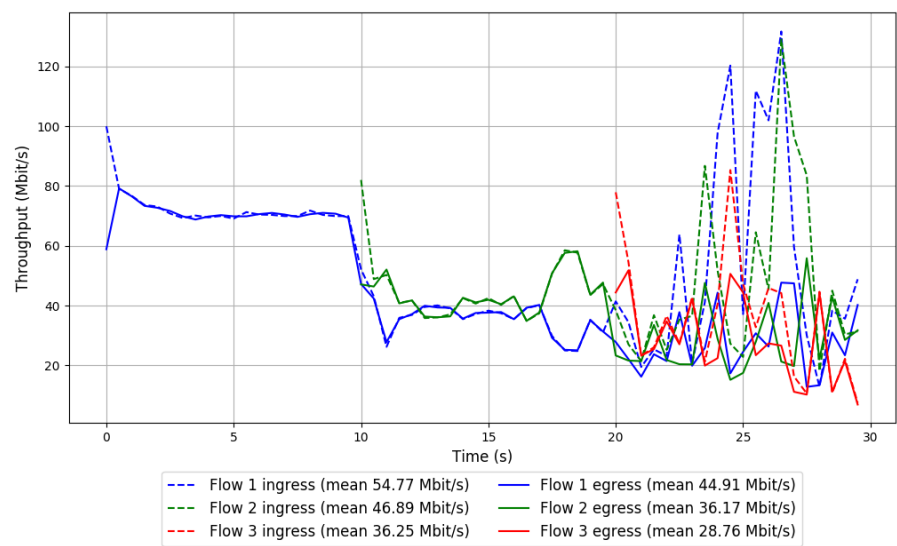
-- Flow 3:

Average throughput: 28.76 Mbit/s

95th percentile per-packet one-way delay: 32.859 ms

Loss rate: 20.69%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-17 04:15:43

End at: 2018-01-17 04:16:13

Local clock offset: 0.294 ms

Remote clock offset: 1.825 ms

Below is generated by plot.py at 2018-01-17 06:30:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.22 Mbit/s

95th percentile per-packet one-way delay: 32.806 ms

Loss rate: 21.27%

-- Flow 1:

Average throughput: 43.37 Mbit/s

95th percentile per-packet one-way delay: 31.651 ms

Loss rate: 24.09%

-- Flow 2:

Average throughput: 31.02 Mbit/s

95th percentile per-packet one-way delay: 32.962 ms

Loss rate: 16.62%

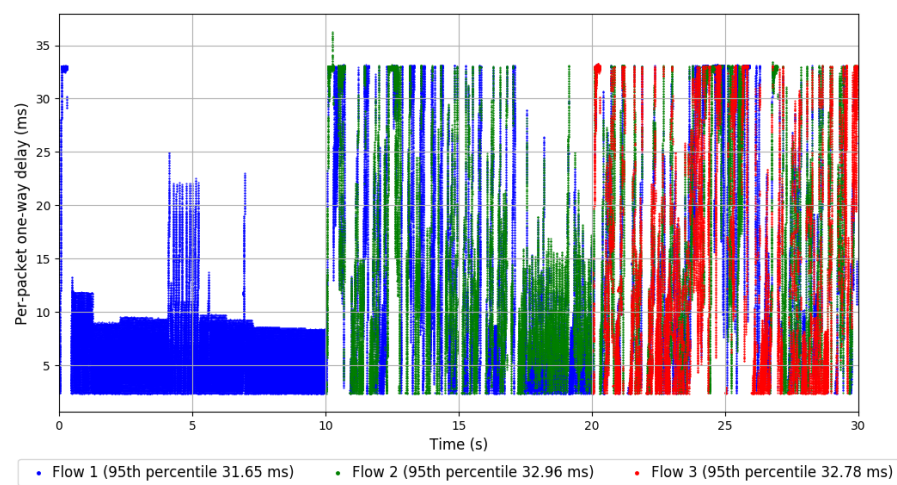
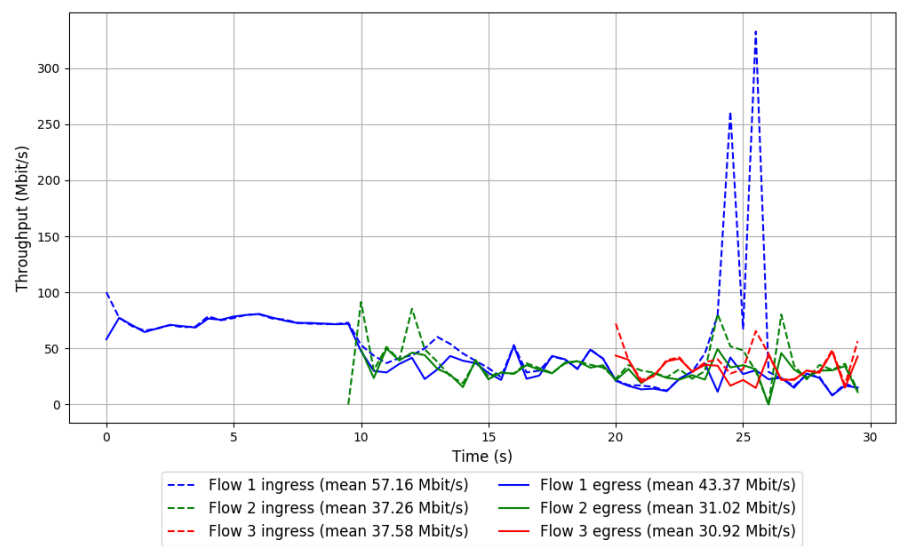
-- Flow 3:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 32.779 ms

Loss rate: 17.52%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-17 04:36:26

End at: 2018-01-17 04:36:56

Local clock offset: 0.345 ms

Remote clock offset: 1.743 ms

Below is generated by plot.py at 2018-01-17 06:31:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 32.844 ms

Loss rate: 32.30%

-- Flow 1:

Average throughput: 44.85 Mbit/s

95th percentile per-packet one-way delay: 32.680 ms

Loss rate: 25.47%

-- Flow 2:

Average throughput: 29.53 Mbit/s

95th percentile per-packet one-way delay: 32.875 ms

Loss rate: 44.01%

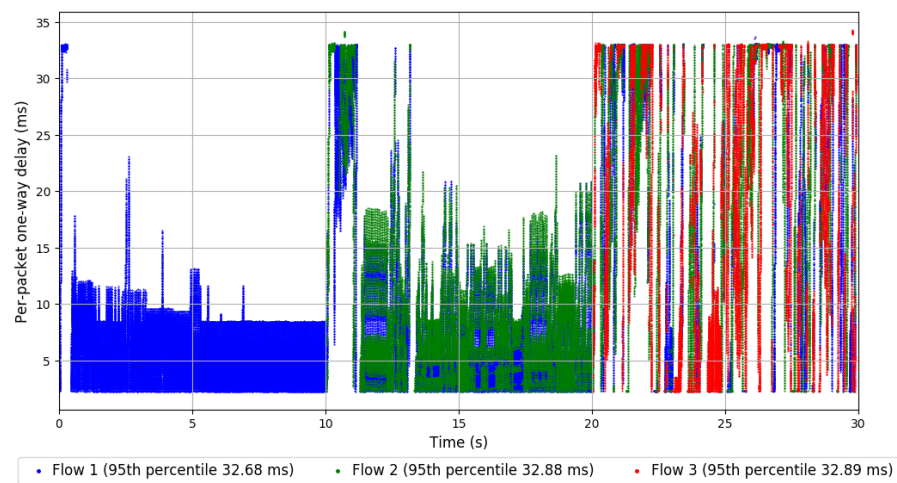
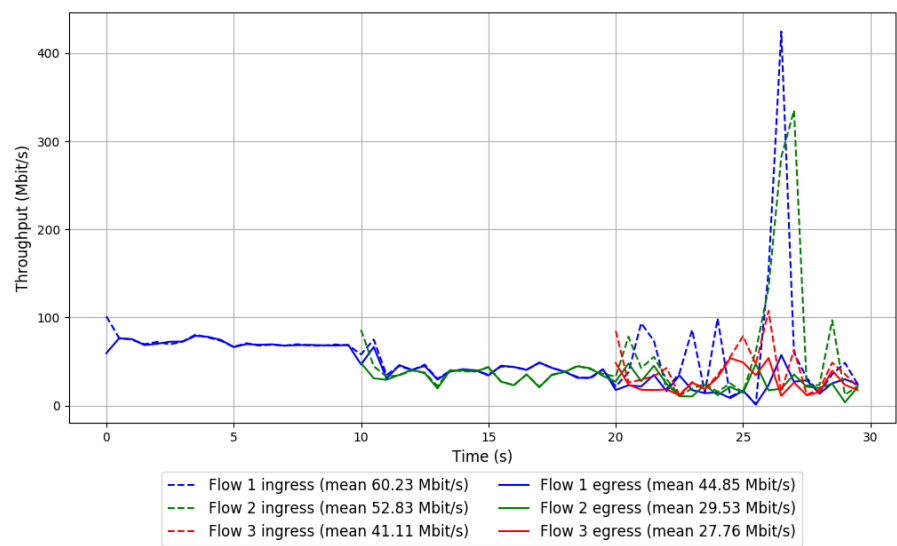
-- Flow 3:

Average throughput: 27.76 Mbit/s

95th percentile per-packet one-way delay: 32.886 ms

Loss rate: 32.29%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-17 04:57:10

End at: 2018-01-17 04:57:40

Local clock offset: 0.328 ms

Remote clock offset: 1.512 ms

Below is generated by plot.py at 2018-01-17 06:31:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 32.238 ms

Loss rate: 8.74%

-- Flow 1:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 28.188 ms

Loss rate: 3.88%

-- Flow 2:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 32.673 ms

Loss rate: 11.68%

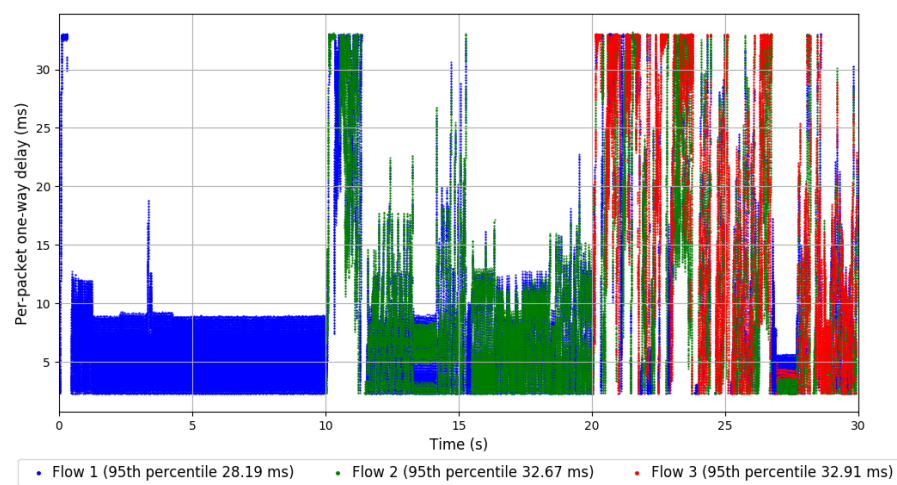
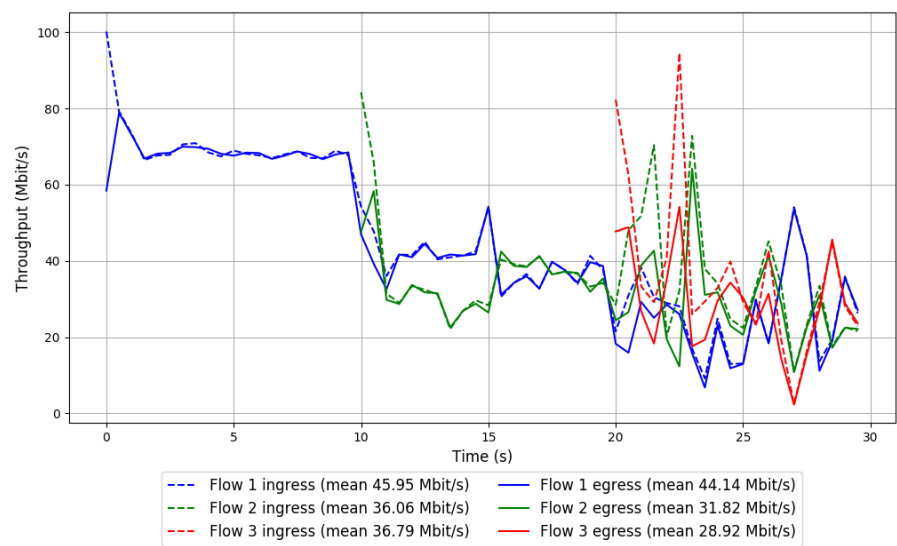
-- Flow 3:

Average throughput: 28.92 Mbit/s

95th percentile per-packet one-way delay: 32.905 ms

Loss rate: 21.28%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-17 05:17:54

End at: 2018-01-17 05:18:24

Local clock offset: 0.297 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2018-01-17 06:31:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 32.697 ms

Loss rate: 12.39%

-- Flow 1:

Average throughput: 41.57 Mbit/s

95th percentile per-packet one-way delay: 31.001 ms

Loss rate: 9.32%

-- Flow 2:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 32.834 ms

Loss rate: 12.43%

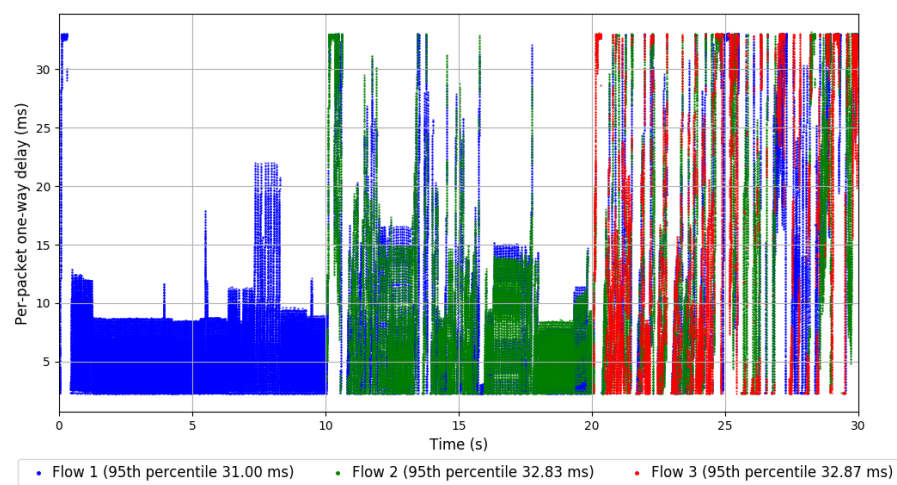
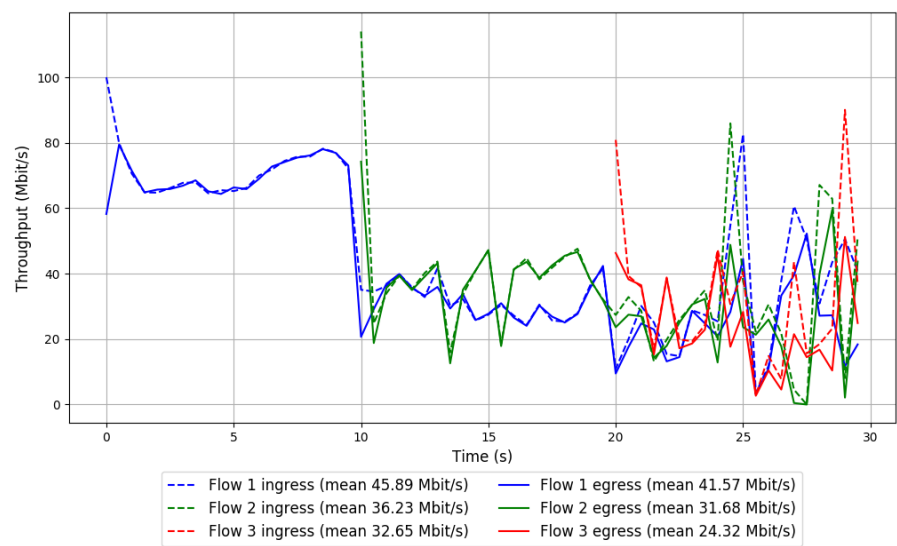
-- Flow 3:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 32.874 ms

Loss rate: 25.36%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-17 05:38:37

End at: 2018-01-17 05:39:07

Local clock offset: 0.258 ms

Remote clock offset: 0.768 ms

Below is generated by plot.py at 2018-01-17 06:31:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 31.186 ms

Loss rate: 7.31%

-- Flow 1:

Average throughput: 44.85 Mbit/s

95th percentile per-packet one-way delay: 29.608 ms

Loss rate: 5.94%

-- Flow 2:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 31.678 ms

Loss rate: 7.36%

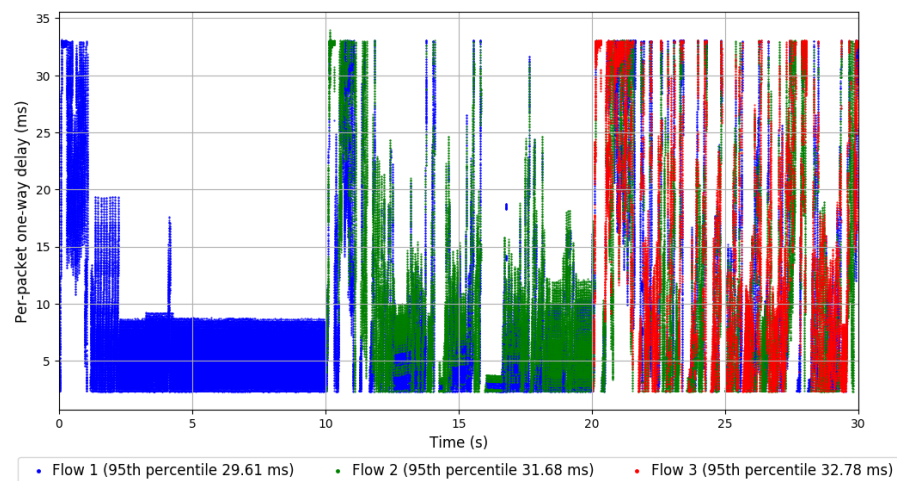
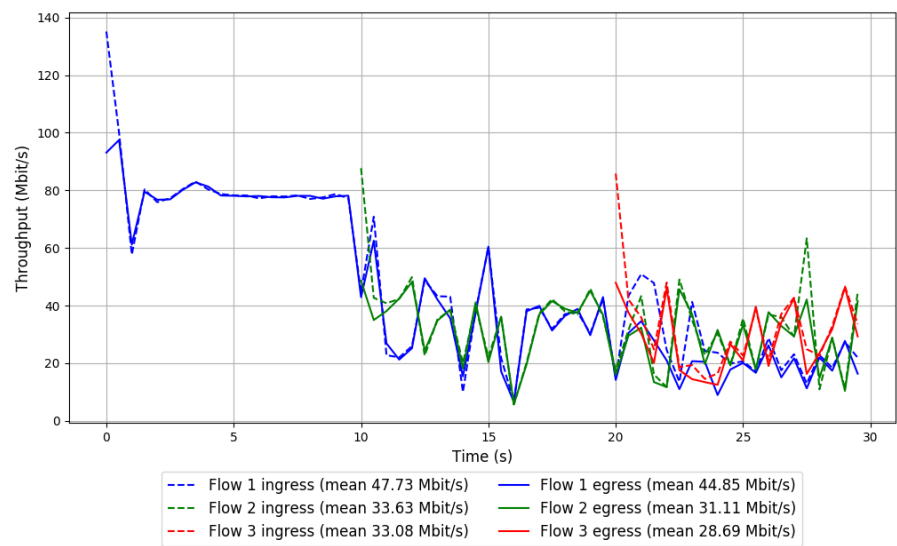
-- Flow 3:

Average throughput: 28.69 Mbit/s

95th percentile per-packet one-way delay: 32.782 ms

Loss rate: 13.13%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-17 02:33:15

End at: 2018-01-17 02:33:46

Local clock offset: 0.38 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-01-17 06:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 5.381 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.95 Mbit/s

95th percentile per-packet one-way delay: 4.962 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 5.545 ms

Loss rate: 0.00%

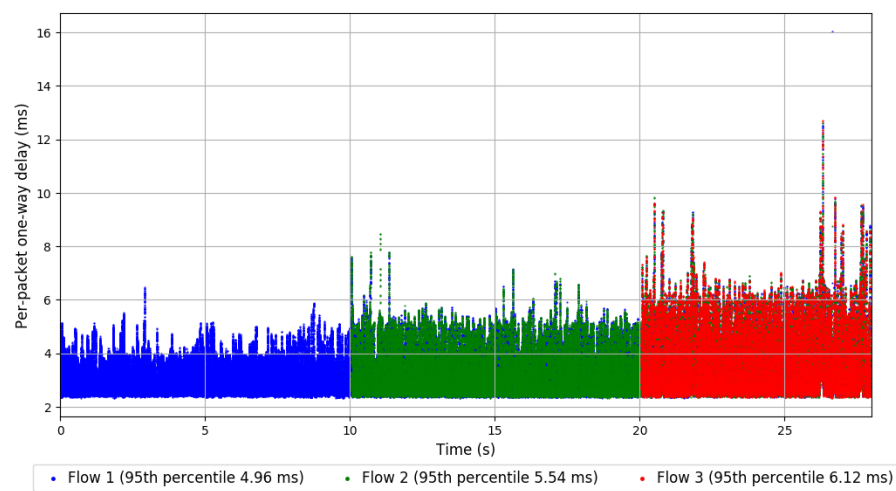
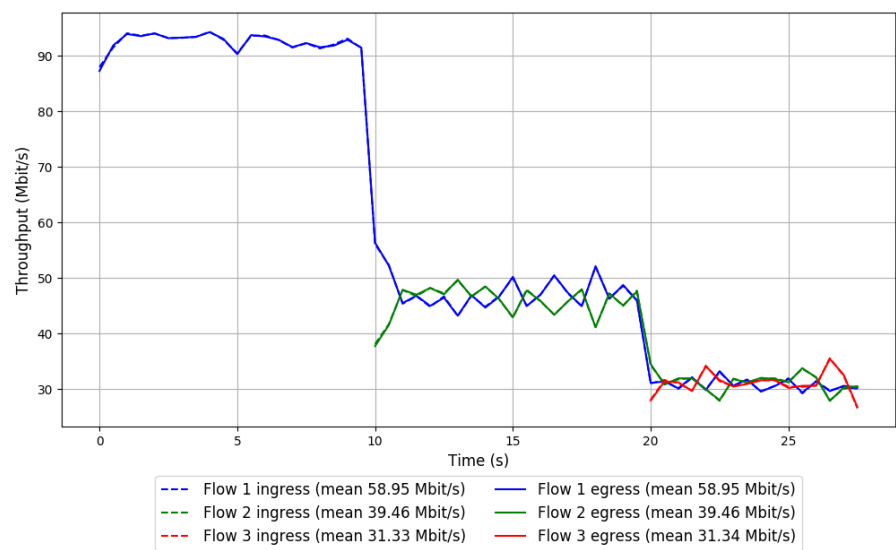
-- Flow 3:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 6.119 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

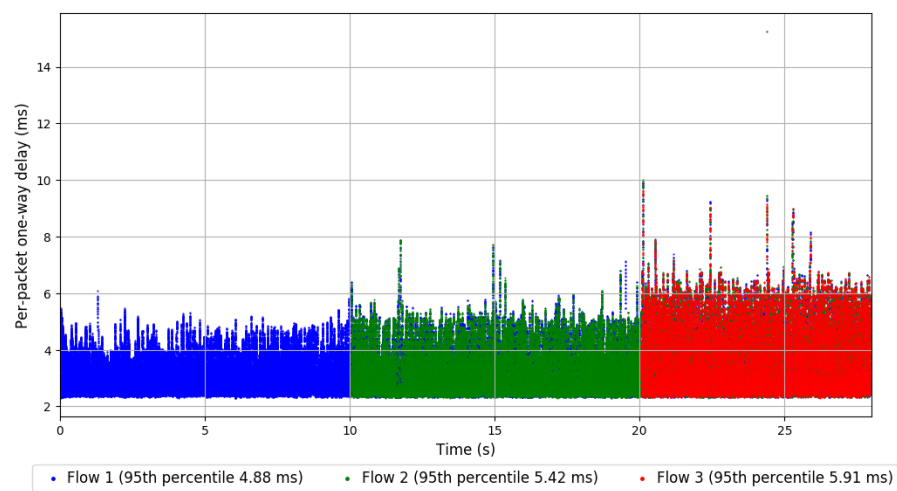
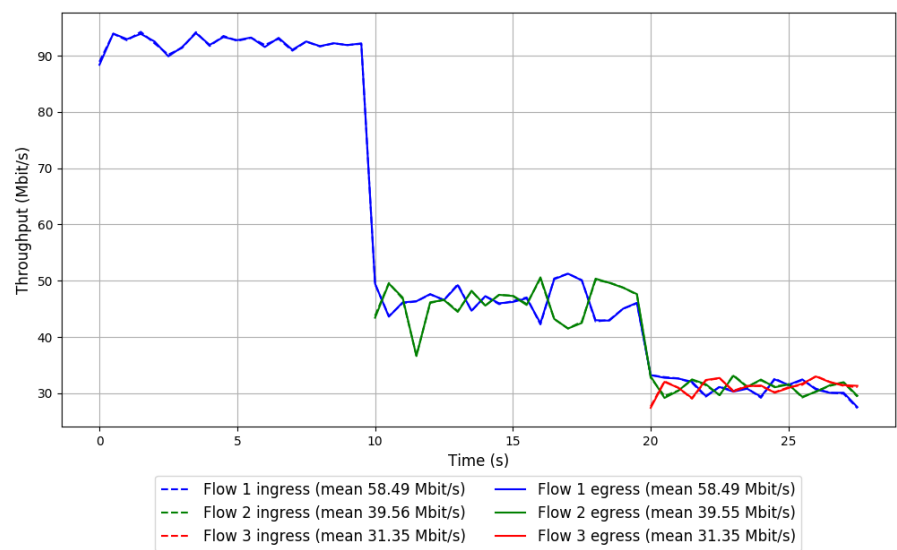


Run 2: Statistics of Copa

Start at: 2018-01-17 02:53:58
End at: 2018-01-17 02:54:28
Local clock offset: 0.39 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-01-17 06:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 5.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 4.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 5.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 5.906 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-17 03:14:39

End at: 2018-01-17 03:15:09

Local clock offset: 0.418 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-01-17 06:33:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 5.146 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 4.766 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 5.276 ms

Loss rate: 0.00%

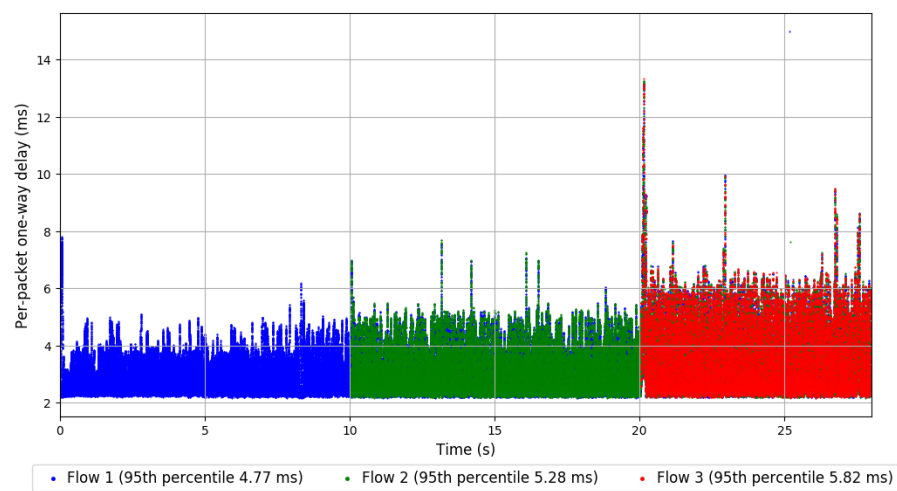
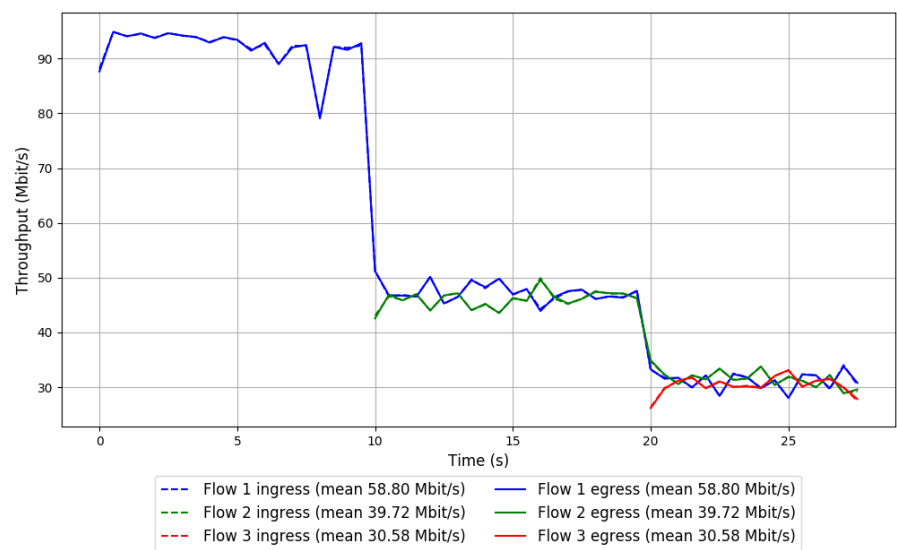
-- Flow 3:

Average throughput: 30.58 Mbit/s

95th percentile per-packet one-way delay: 5.823 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-17 03:35:23

End at: 2018-01-17 03:35:53

Local clock offset: 0.38 ms

Remote clock offset: 0.801 ms

Below is generated by plot.py at 2018-01-17 06:33:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 5.290 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 4.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.11 Mbit/s

95th percentile per-packet one-way delay: 5.391 ms

Loss rate: 0.00%

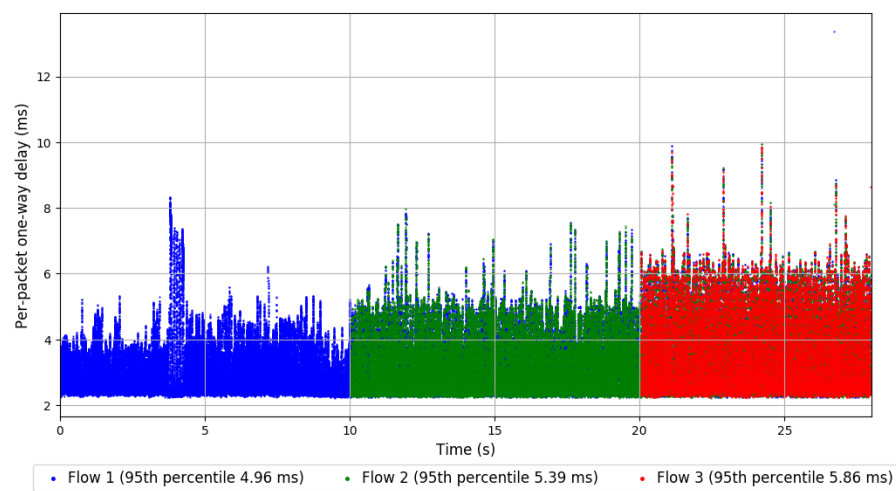
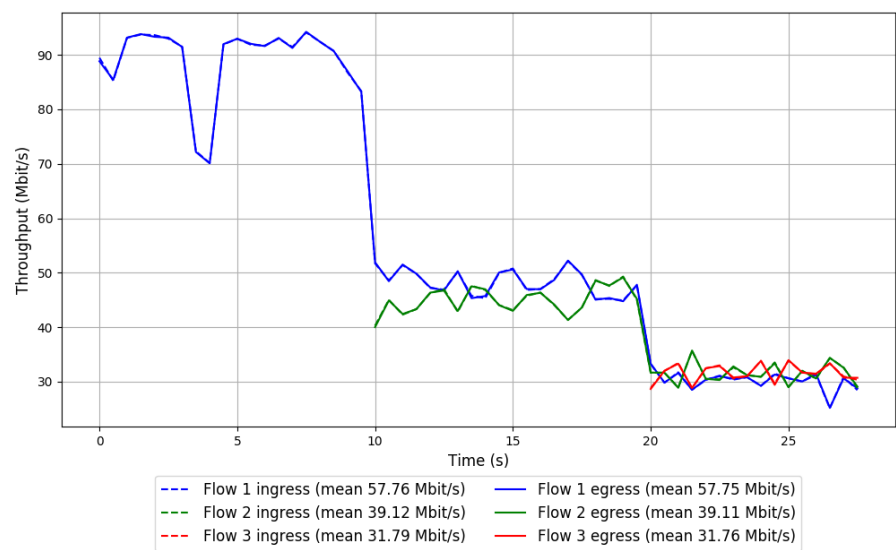
-- Flow 3:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 5.863 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-17 03:56:07

End at: 2018-01-17 03:56:37

Local clock offset: 0.33 ms

Remote clock offset: 1.477 ms

Below is generated by plot.py at 2018-01-17 06:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 5.276 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 4.855 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.79 Mbit/s

95th percentile per-packet one-way delay: 5.418 ms

Loss rate: 0.00%

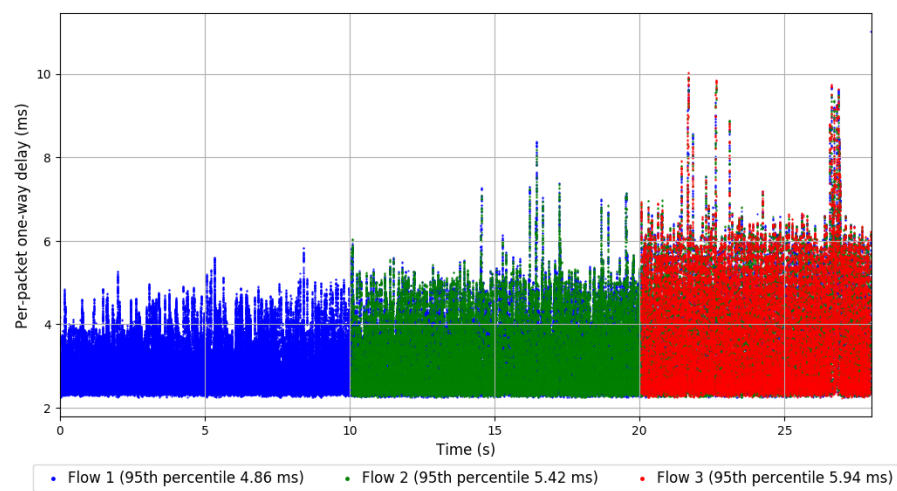
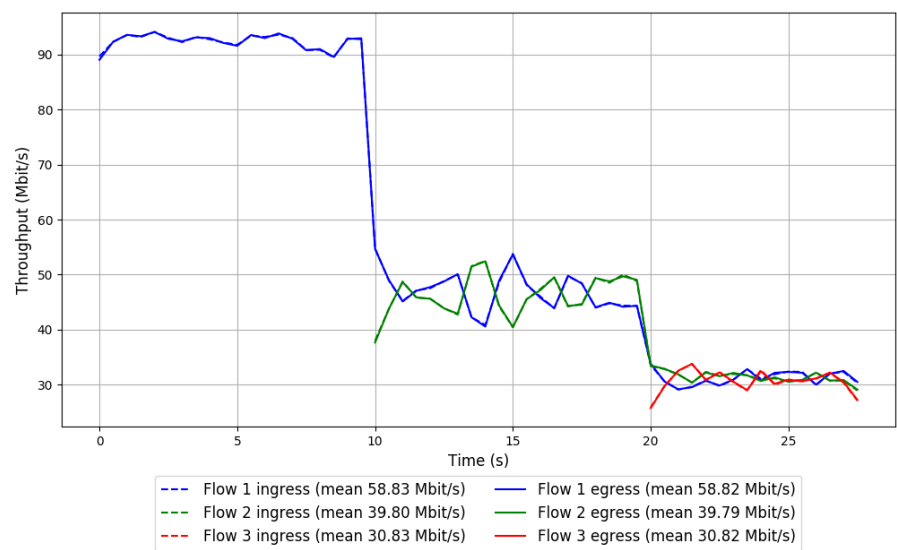
-- Flow 3:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 5.944 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-17 04:16:52

End at: 2018-01-17 04:17:22

Local clock offset: 0.361 ms

Remote clock offset: 1.712 ms

Below is generated by plot.py at 2018-01-17 06:33:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 5.217 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 4.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.40 Mbit/s

95th percentile per-packet one-way delay: 5.349 ms

Loss rate: 0.00%

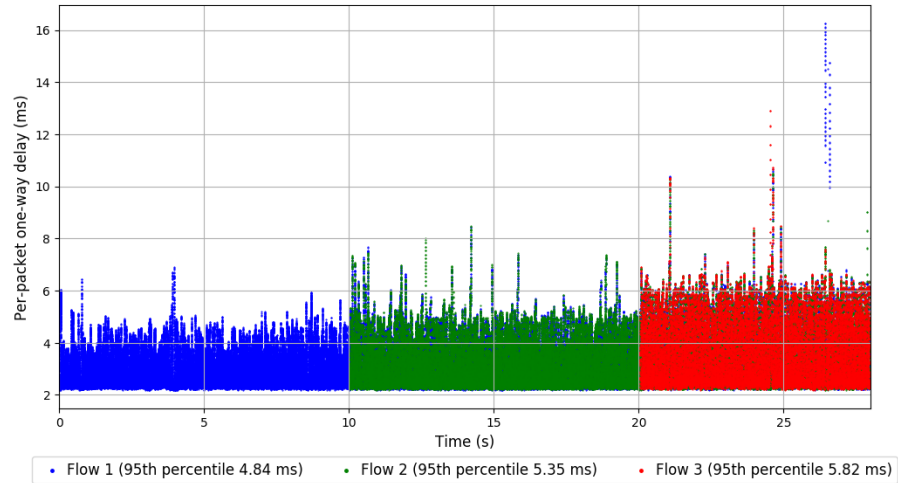
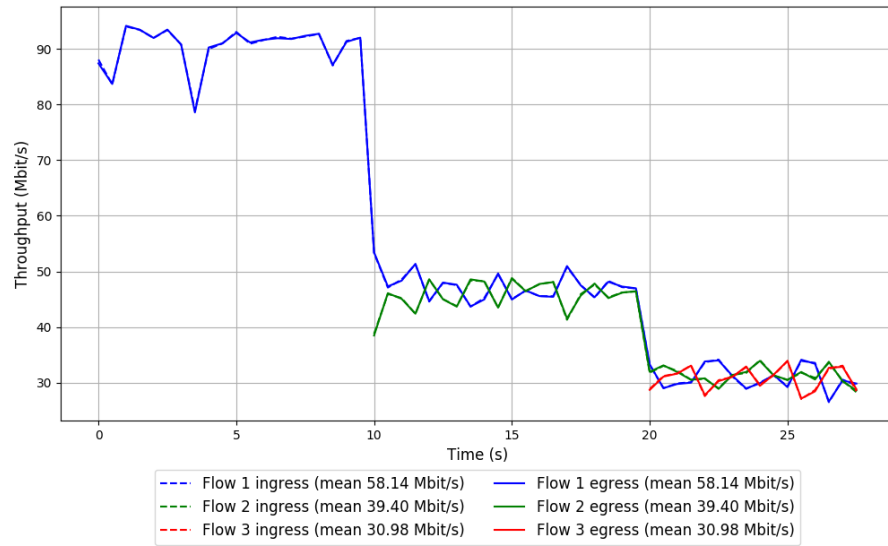
-- Flow 3:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 5.820 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-17 04:37:35

End at: 2018-01-17 04:38:05

Local clock offset: 0.354 ms

Remote clock offset: 1.684 ms

Below is generated by plot.py at 2018-01-17 06:33:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 4.631 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 4.502 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 4.792 ms

Loss rate: 0.00%

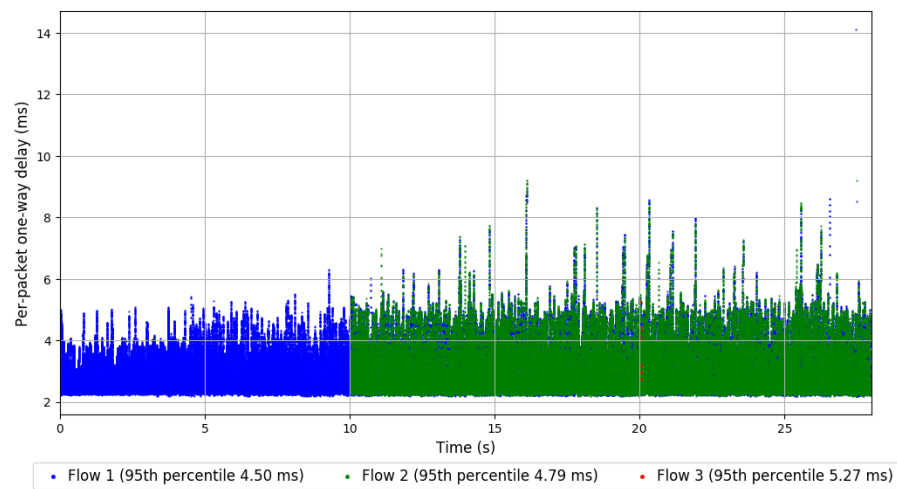
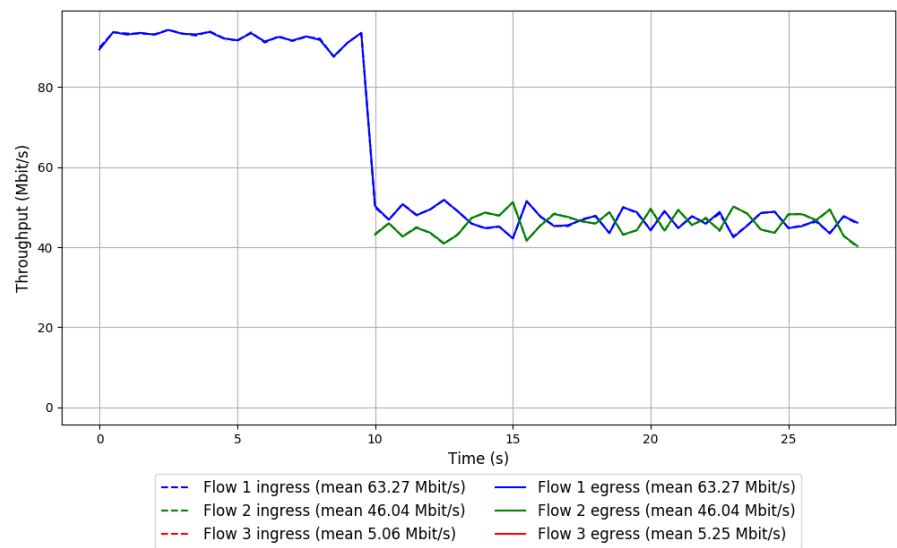
-- Flow 3:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 5.266 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-17 04:58:19

End at: 2018-01-17 04:58:49

Local clock offset: 0.289 ms

Remote clock offset: 1.439 ms

Below is generated by plot.py at 2018-01-17 06:34:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.15 Mbit/s

95th percentile per-packet one-way delay: 5.320 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 4.900 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 5.496 ms

Loss rate: 0.00%

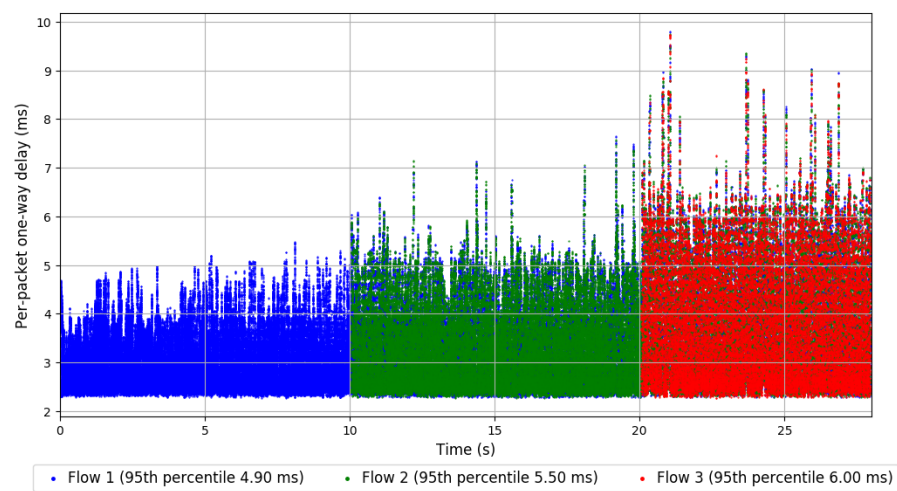
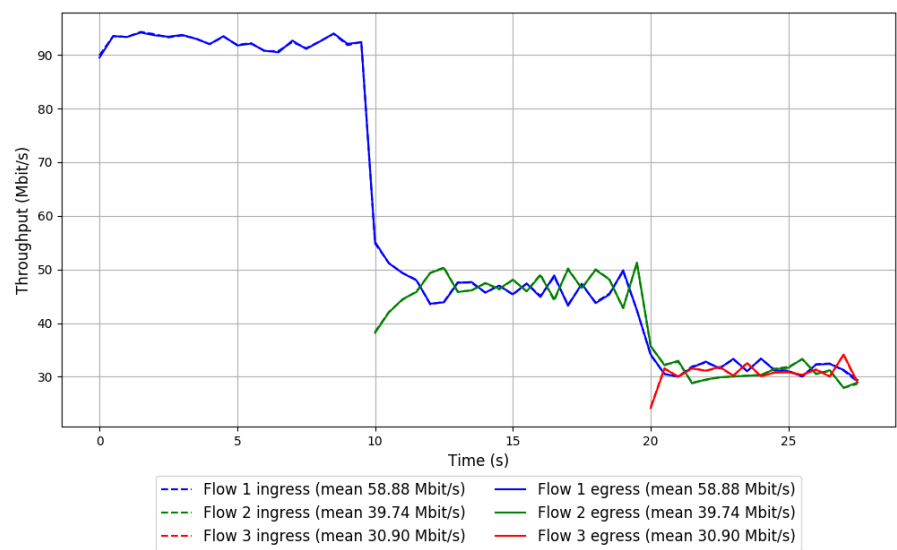
-- Flow 3:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 5.996 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-17 05:19:02

End at: 2018-01-17 05:19:32

Local clock offset: 0.306 ms

Remote clock offset: 1.153 ms

Below is generated by plot.py at 2018-01-17 06:35:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 5.237 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 4.851 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.30 Mbit/s

95th percentile per-packet one-way delay: 5.387 ms

Loss rate: 0.00%

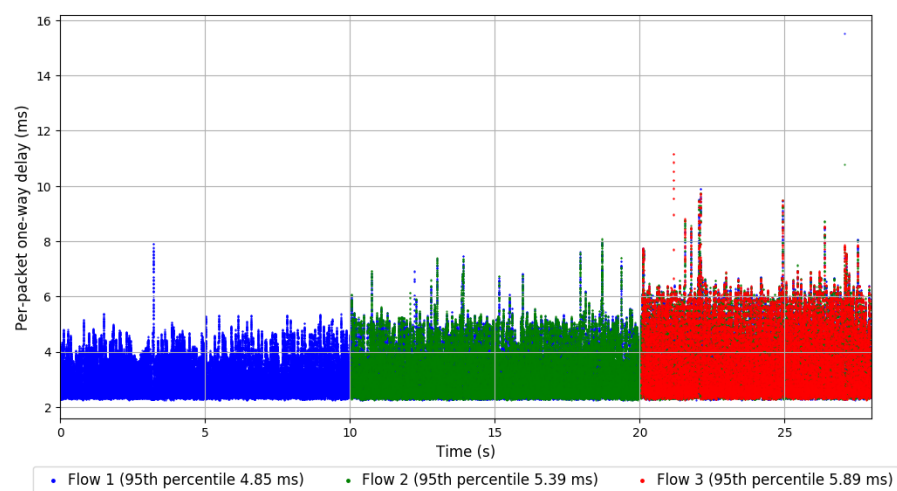
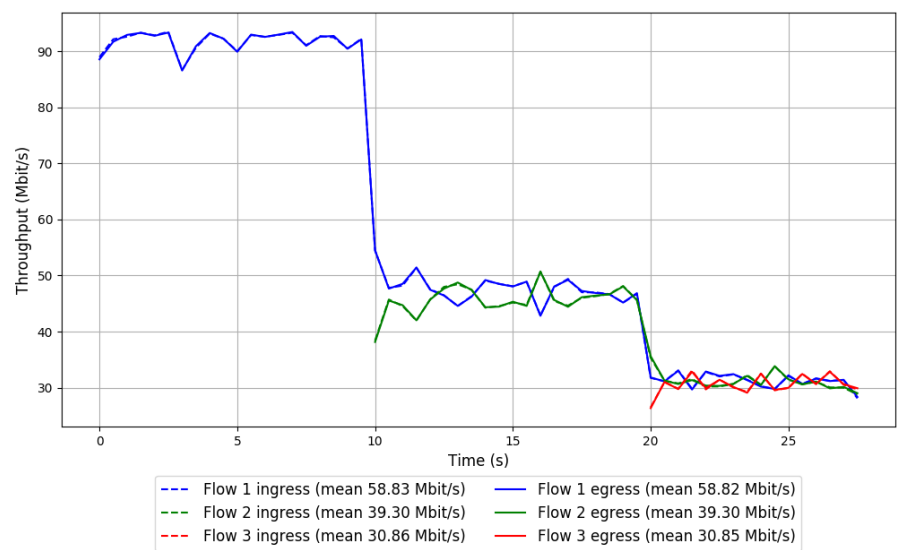
-- Flow 3:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 5.894 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-17 05:39:46

End at: 2018-01-17 05:40:16

Local clock offset: 0.283 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2018-01-17 06:35:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 4.424 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 78.87 Mbit/s

95th percentile per-packet one-way delay: 4.312 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.98 Mbit/s

95th percentile per-packet one-way delay: 4.379 ms

Loss rate: 0.00%

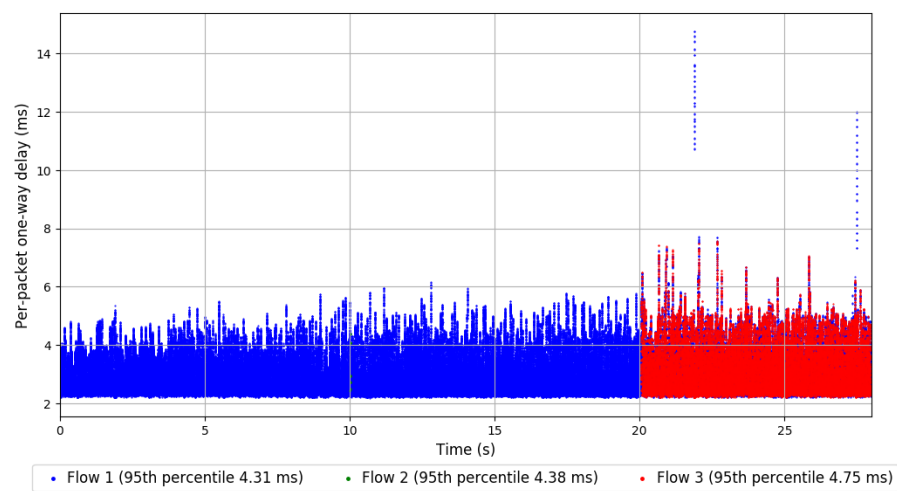
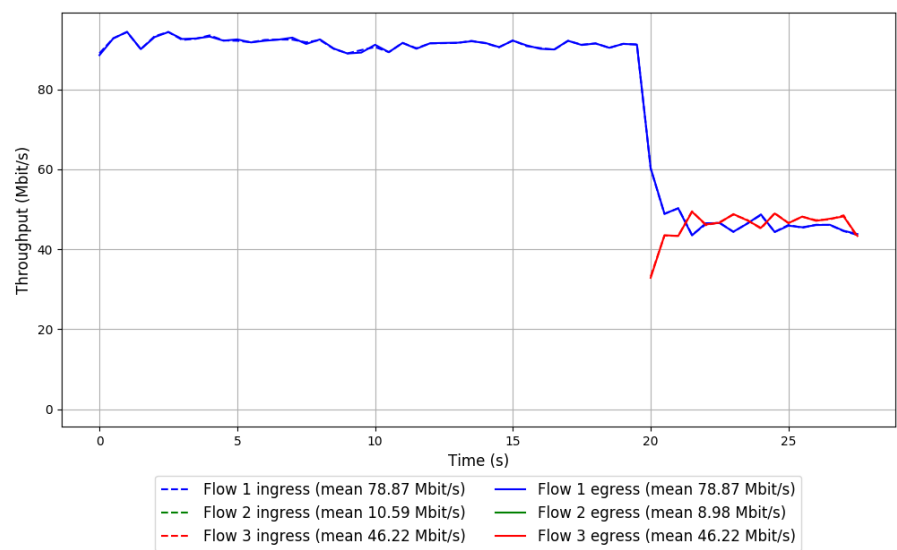
-- Flow 3:

Average throughput: 46.22 Mbit/s

95th percentile per-packet one-way delay: 4.754 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

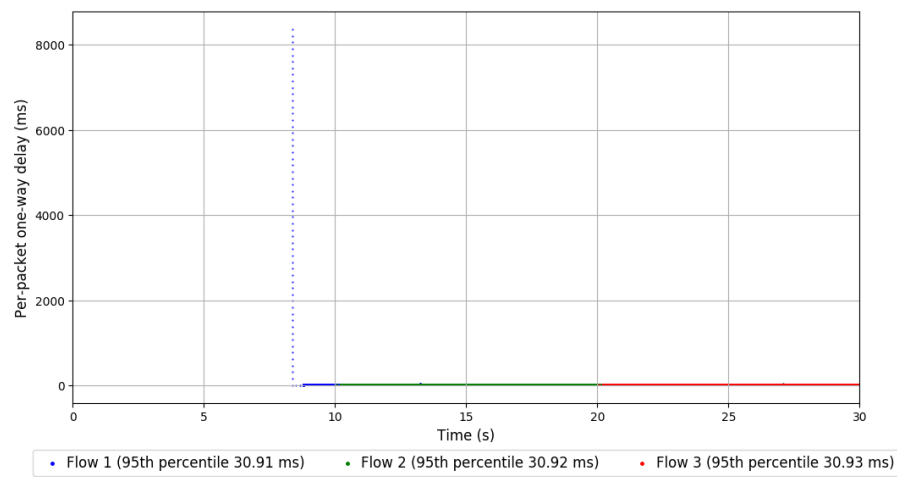
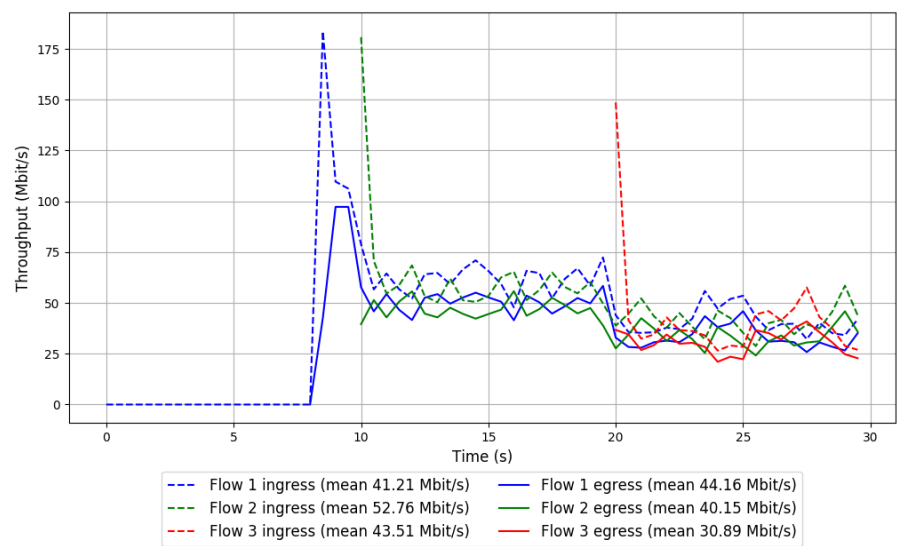
Start at: 2018-01-17 02:29:47

End at: 2018-01-17 02:30:17

Local clock offset: 0.462 ms

Remote clock offset: -0.094 ms

Run 1: Report of FillP — Data Link

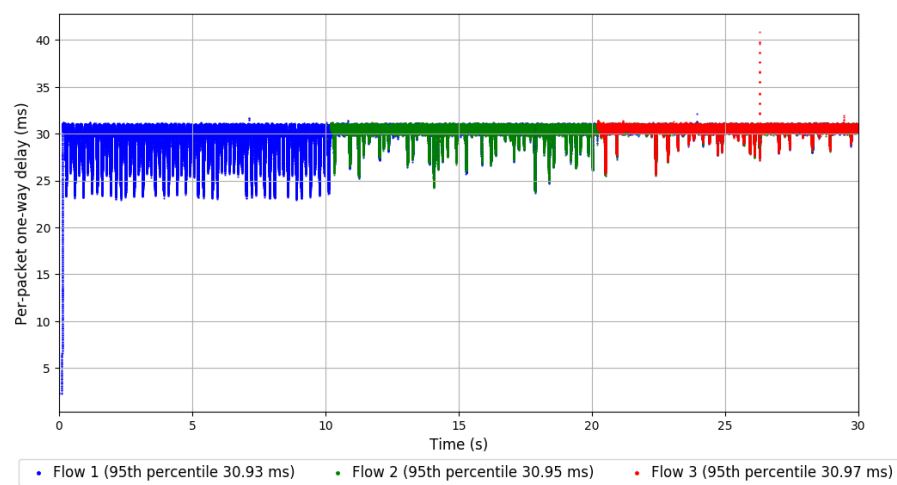
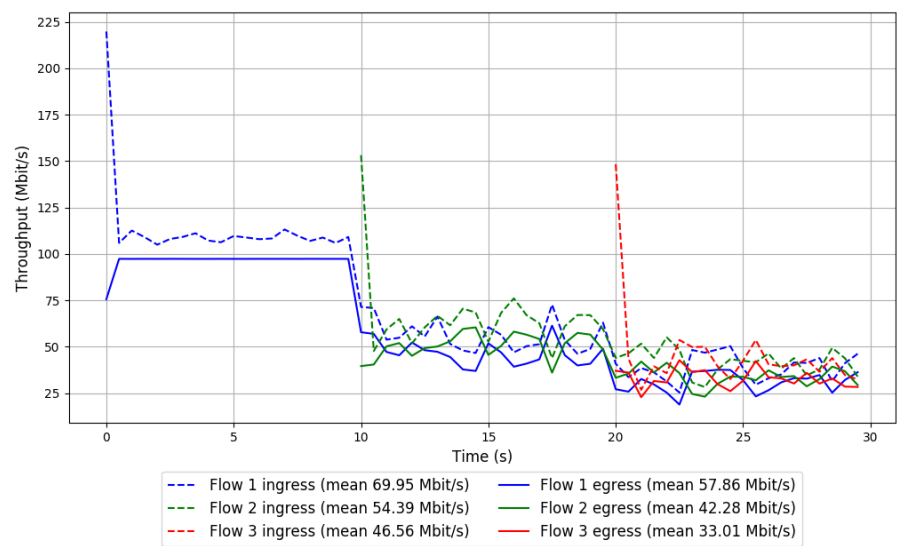


Run 2: Statistics of FillP

Start at: 2018-01-17 02:50:28
End at: 2018-01-17 02:50:58
Local clock offset: 0.385 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-01-17 06:35:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.945 ms
Loss rate: 20.23%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 30.934 ms
Loss rate: 17.21%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 30.950 ms
Loss rate: 22.27%
-- Flow 3:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 29.11%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-17 03:11:12

End at: 2018-01-17 03:11:42

Local clock offset: 0.425 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-01-17 06:35:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 30.897 ms

Loss rate: 21.11%

-- Flow 1:

Average throughput: 57.86 Mbit/s

95th percentile per-packet one-way delay: 30.886 ms

Loss rate: 18.07%

-- Flow 2:

Average throughput: 41.41 Mbit/s

95th percentile per-packet one-way delay: 30.911 ms

Loss rate: 24.09%

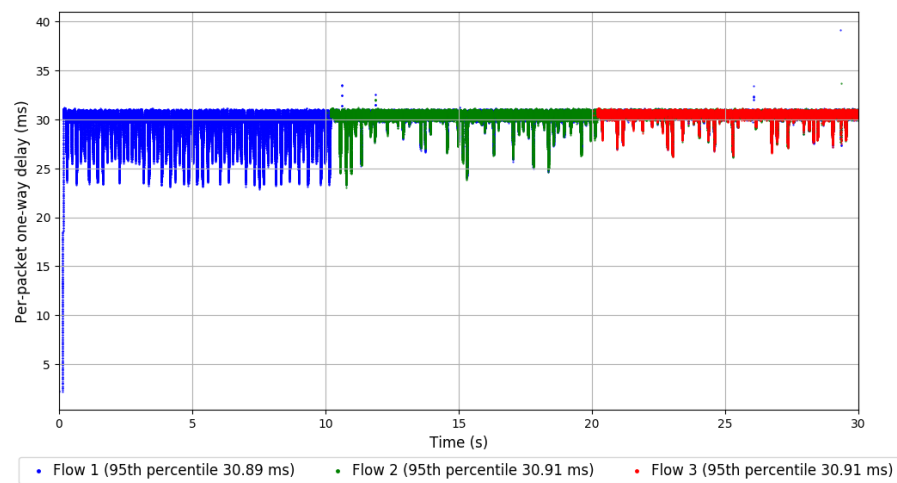
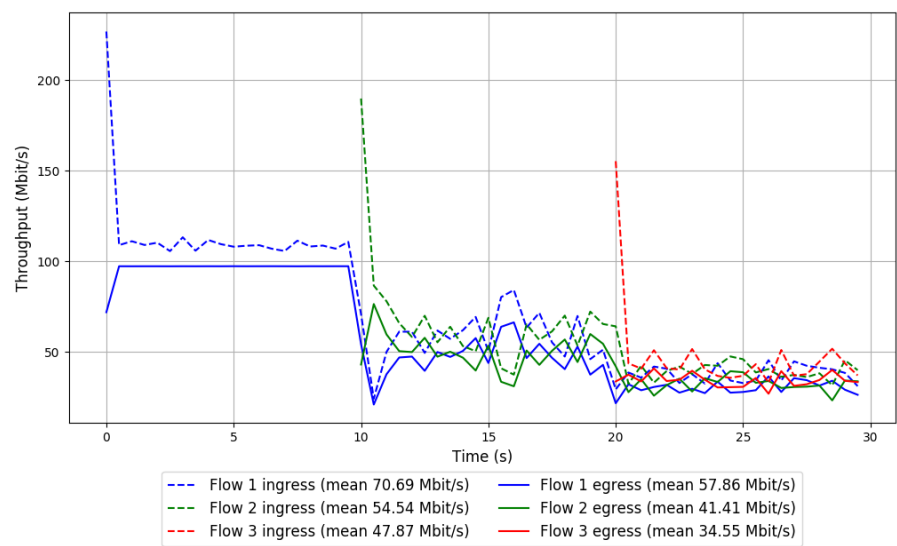
-- Flow 3:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 30.908 ms

Loss rate: 27.84%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-17 03:31:53

End at: 2018-01-17 03:32:23

Local clock offset: 0.39 ms

Remote clock offset: 0.635 ms

Below is generated by plot.py at 2018-01-17 06:35:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 30.869 ms

Loss rate: 20.38%

-- Flow 1:

Average throughput: 59.20 Mbit/s

95th percentile per-packet one-way delay: 30.859 ms

Loss rate: 17.25%

-- Flow 2:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 30.880 ms

Loss rate: 23.37%

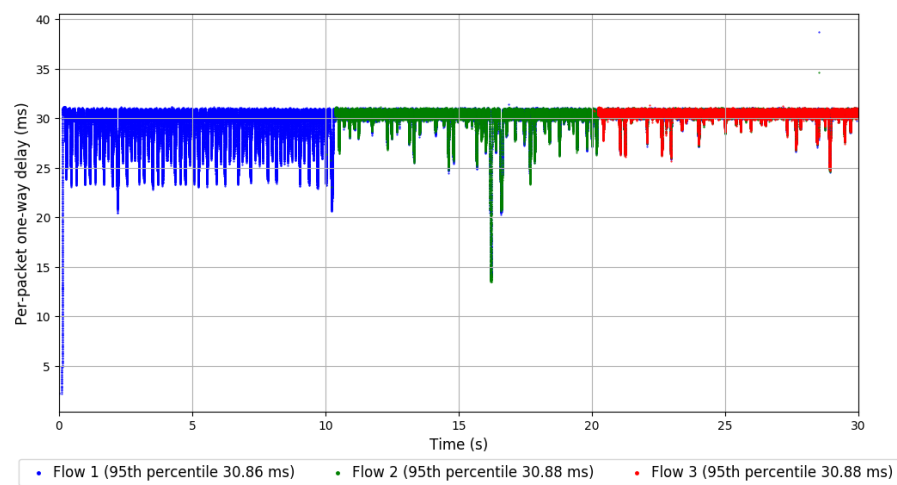
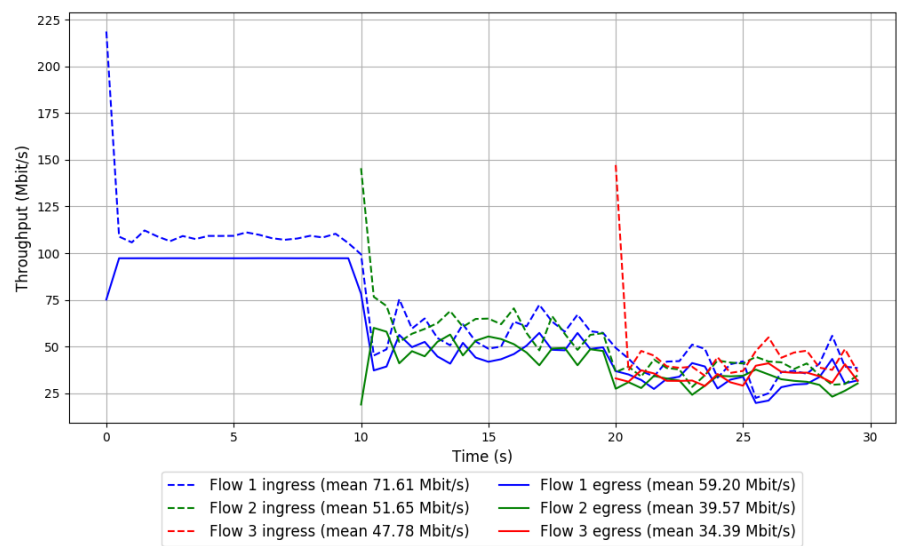
-- Flow 3:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 30.884 ms

Loss rate: 28.03%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-17 03:52:37

End at: 2018-01-17 03:53:07

Local clock offset: 0.323 ms

Remote clock offset: 1.393 ms

Below is generated by plot.py at 2018-01-17 06:35:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 30.899 ms

Loss rate: 21.20%

-- Flow 1:

Average throughput: 59.80 Mbit/s

95th percentile per-packet one-way delay: 30.883 ms

Loss rate: 17.87%

-- Flow 2:

Average throughput: 40.58 Mbit/s

95th percentile per-packet one-way delay: 30.913 ms

Loss rate: 24.60%

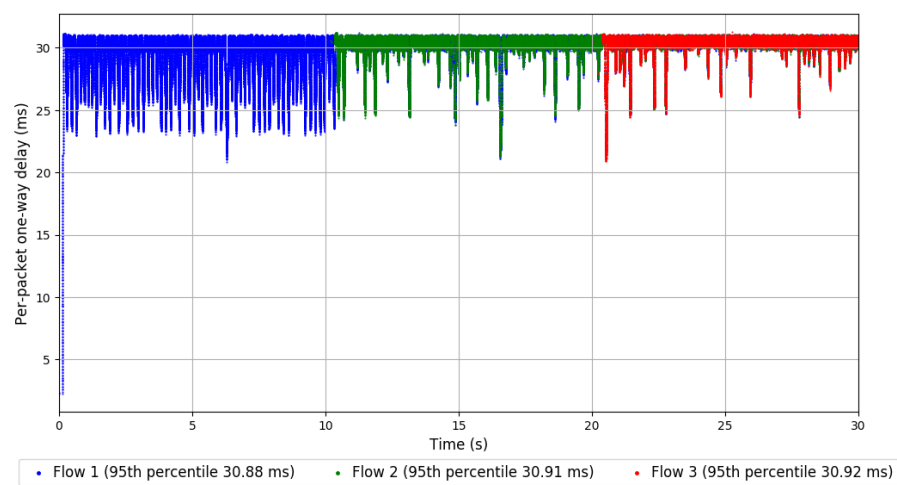
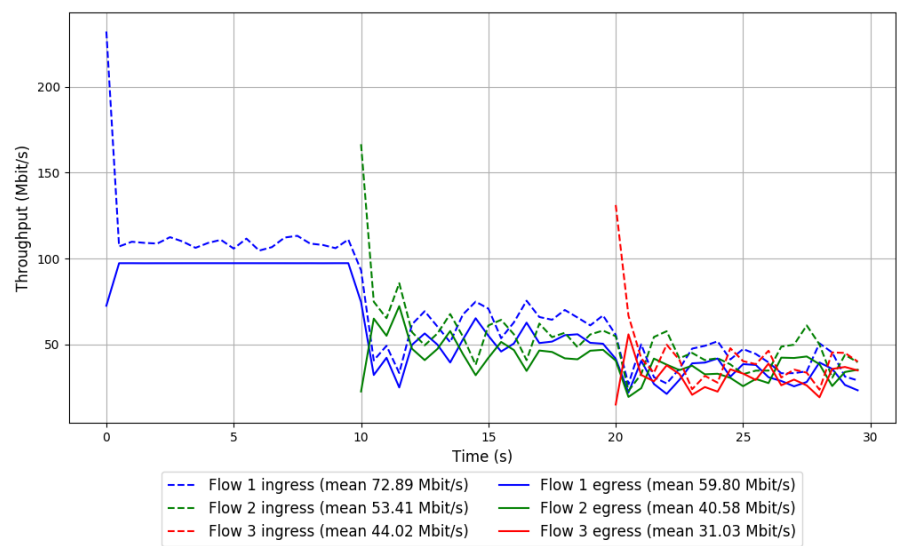
-- Flow 3:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 30.924 ms

Loss rate: 29.52%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-17 04:13:21

End at: 2018-01-17 04:13:51

Local clock offset: 0.285 ms

Remote clock offset: 1.793 ms

Below is generated by plot.py at 2018-01-17 06:35:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: 30.974 ms

Loss rate: 21.54%

-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 30.963 ms

Loss rate: 17.91%

-- Flow 2:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 30.984 ms

Loss rate: 24.39%

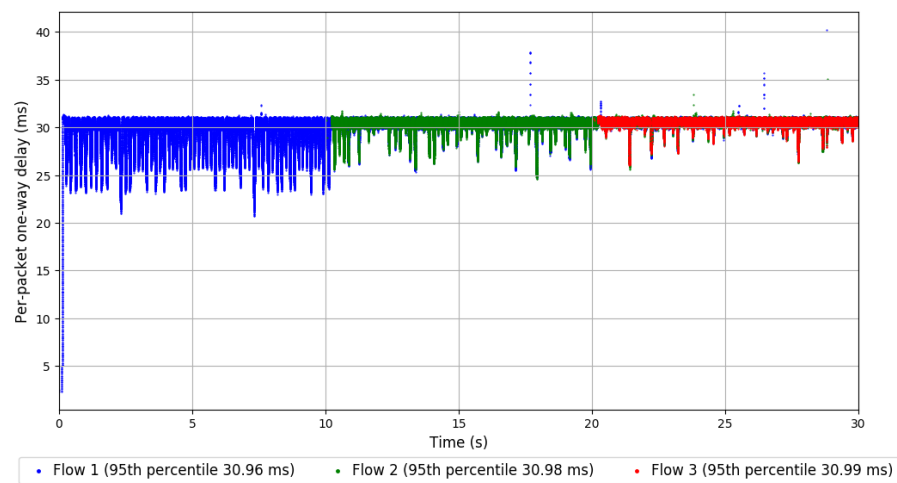
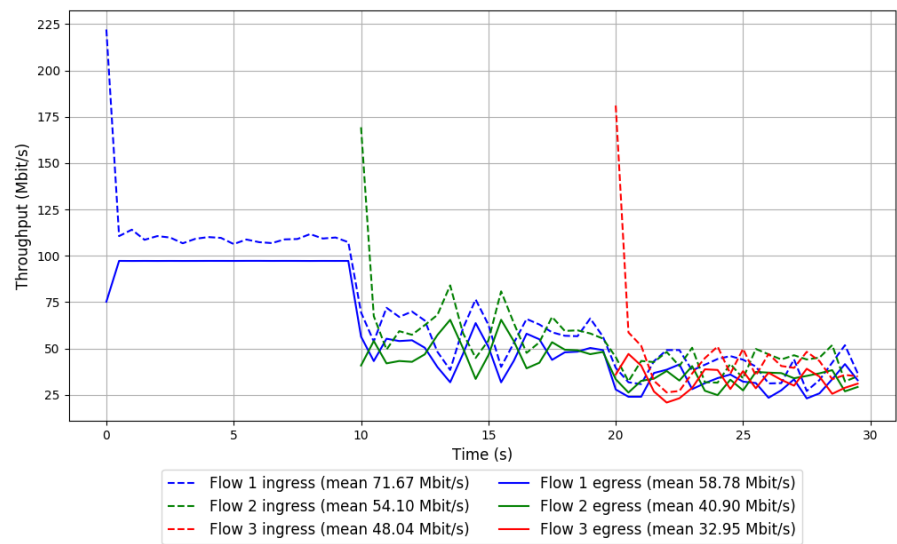
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 30.994 ms

Loss rate: 31.42%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-17 04:34:05

End at: 2018-01-17 04:34:35

Local clock offset: 0.348 ms

Remote clock offset: 1.748 ms

Below is generated by plot.py at 2018-01-17 06:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 30.916 ms

Loss rate: 21.34%

-- Flow 1:

Average throughput: 59.48 Mbit/s

95th percentile per-packet one-way delay: 30.902 ms

Loss rate: 18.03%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 30.927 ms

Loss rate: 24.18%

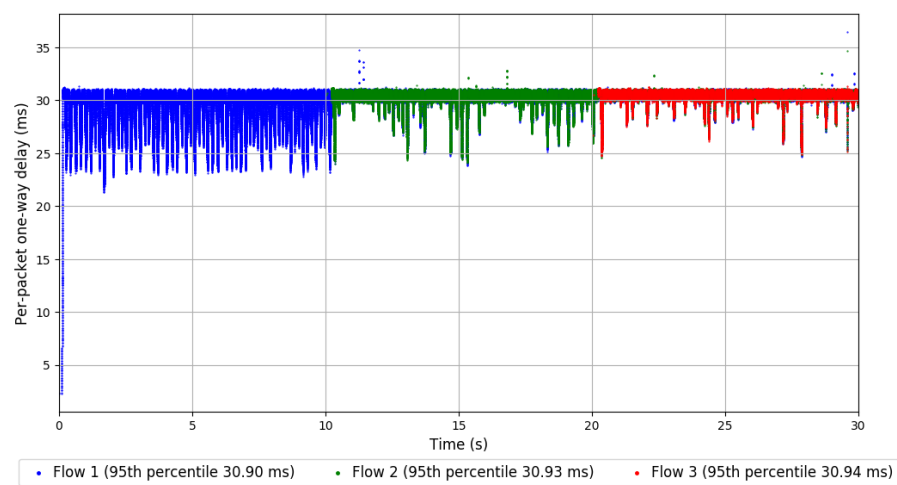
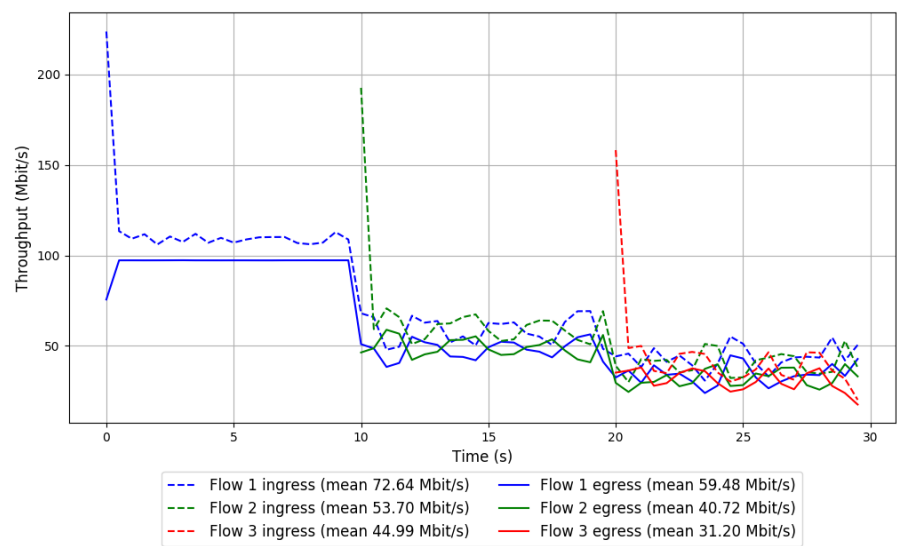
-- Flow 3:

Average throughput: 31.20 Mbit/s

95th percentile per-packet one-way delay: 30.942 ms

Loss rate: 30.61%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-17 04:54:49

End at: 2018-01-17 04:55:19

Local clock offset: 0.344 ms

Remote clock offset: 1.545 ms

Below is generated by plot.py at 2018-01-17 06:36:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 30.918 ms

Loss rate: 21.41%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 30.904 ms

Loss rate: 18.03%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 30.929 ms

Loss rate: 24.05%

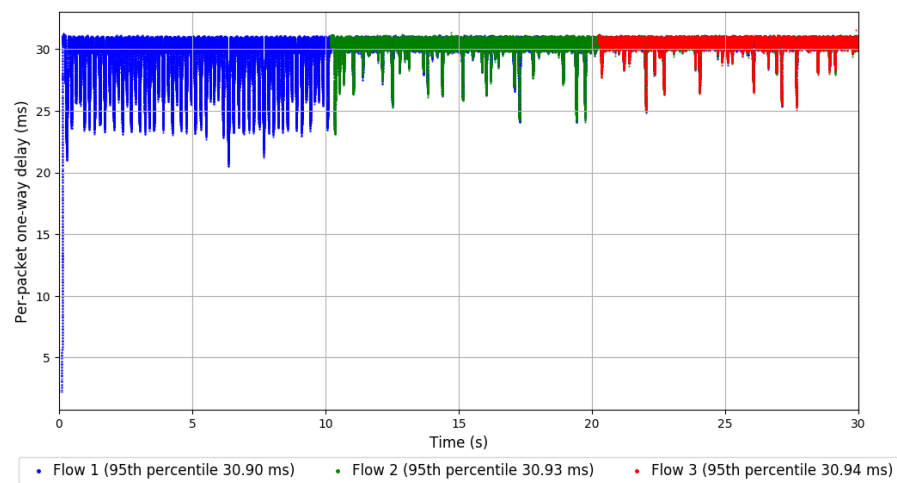
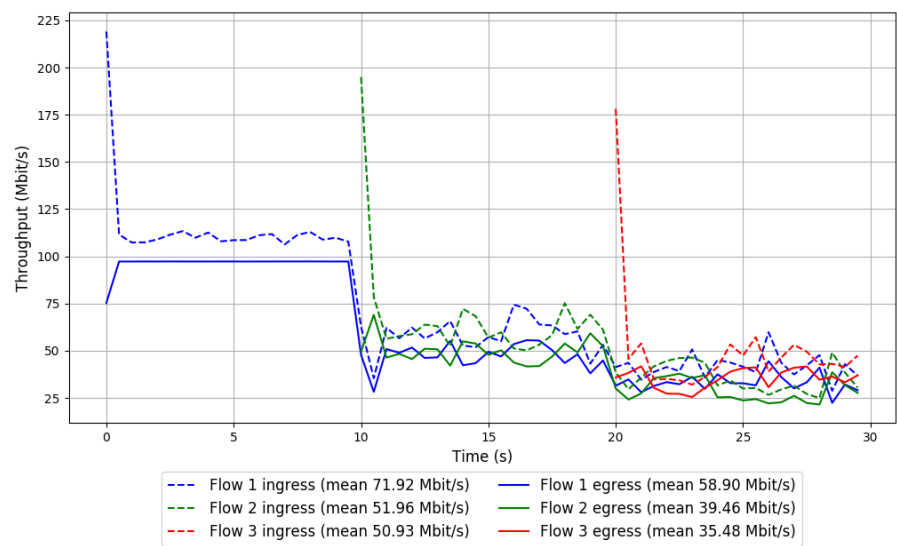
-- Flow 3:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 30.943 ms

Loss rate: 30.34%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-17 05:15:33

End at: 2018-01-17 05:16:03

Local clock offset: 0.321 ms

Remote clock offset: 1.2 ms

Below is generated by plot.py at 2018-01-17 06:37:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: 30.893 ms

Loss rate: 21.15%

-- Flow 1:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 30.877 ms

Loss rate: 17.68%

-- Flow 2:

Average throughput: 39.88 Mbit/s

95th percentile per-packet one-way delay: 30.906 ms

Loss rate: 23.83%

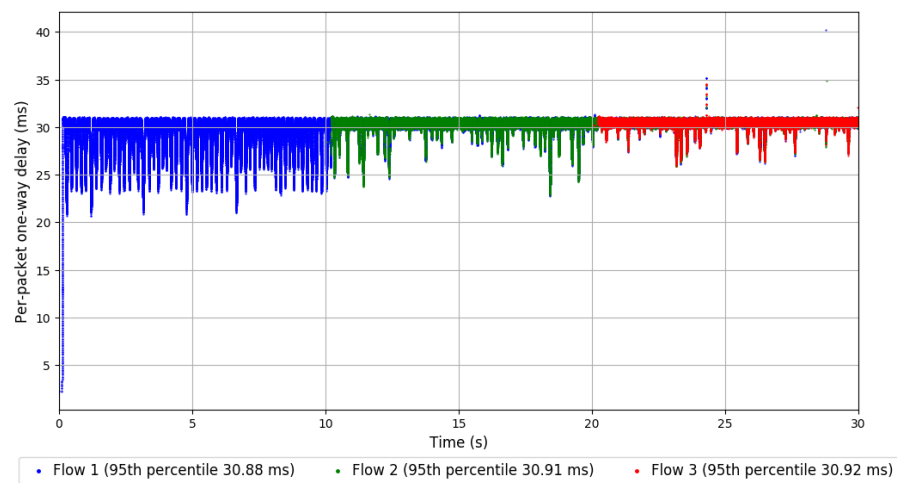
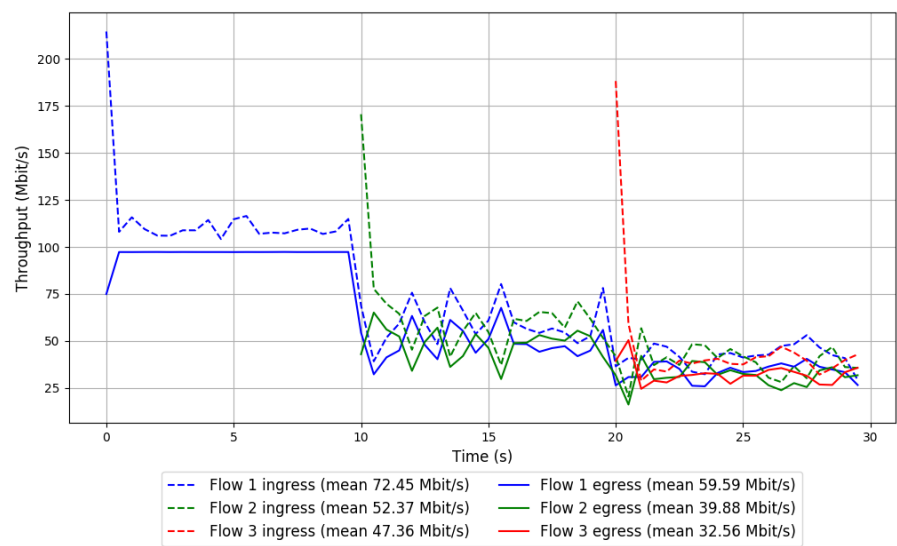
-- Flow 3:

Average throughput: 32.56 Mbit/s

95th percentile per-packet one-way delay: 30.919 ms

Loss rate: 31.24%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-17 05:36:17

End at: 2018-01-17 05:36:47

Local clock offset: 0.29 ms

Remote clock offset: 0.796 ms

Below is generated by plot.py at 2018-01-17 06:37:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: 30.901 ms

Loss rate: 21.03%

-- Flow 1:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 30.886 ms

Loss rate: 18.22%

-- Flow 2:

Average throughput: 44.78 Mbit/s

95th percentile per-packet one-way delay: 30.911 ms

Loss rate: 21.85%

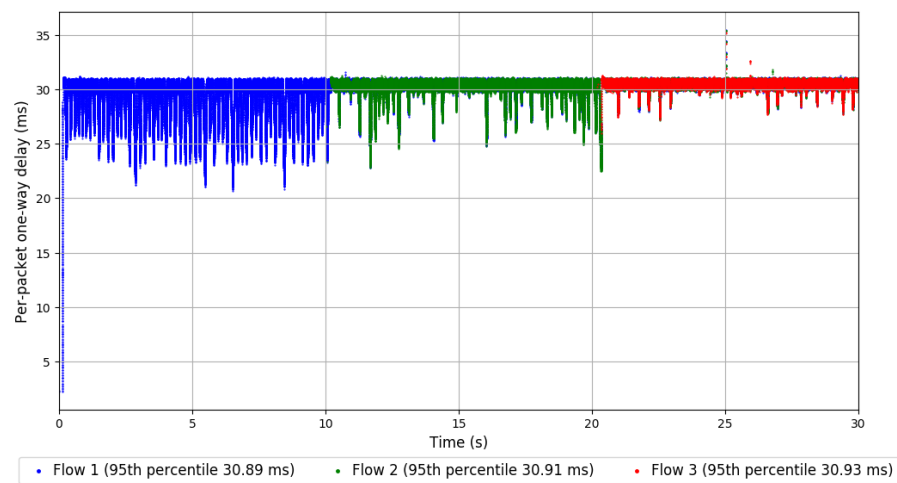
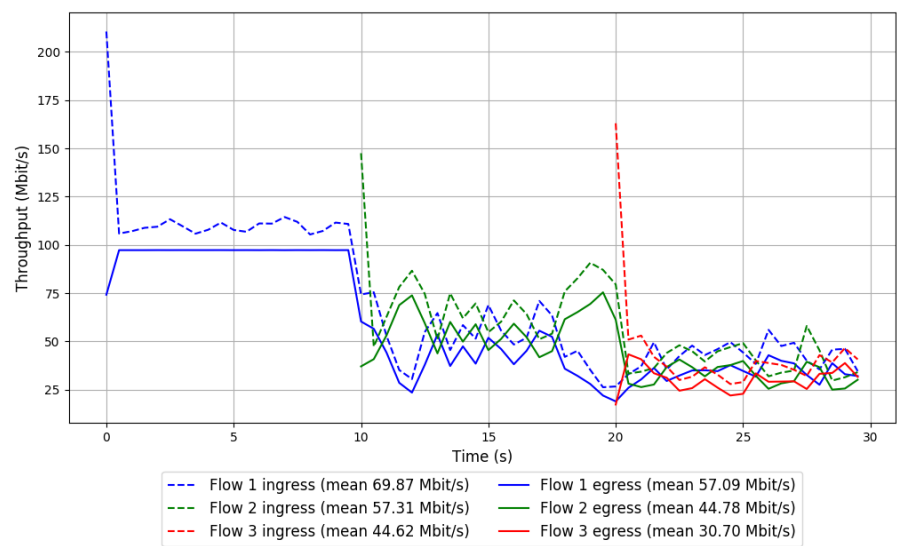
-- Flow 3:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 30.932 ms

Loss rate: 32.24%

Run 10: Report of FillP — Data Link

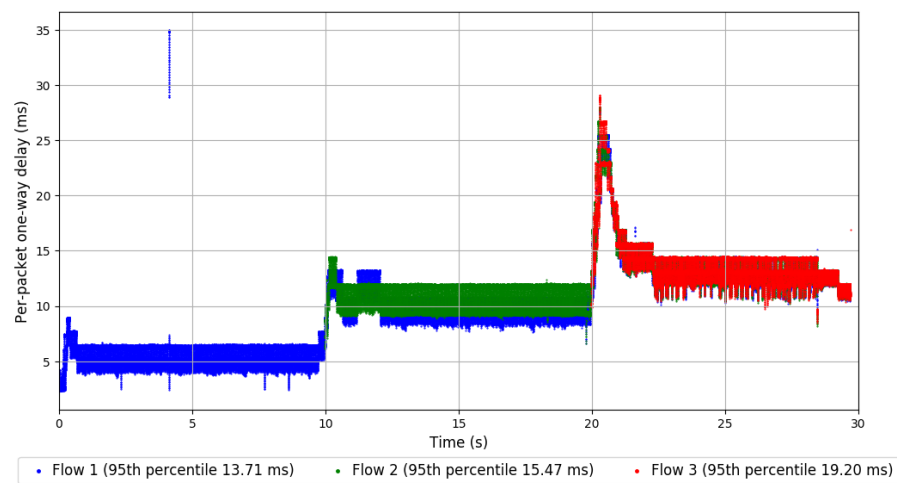
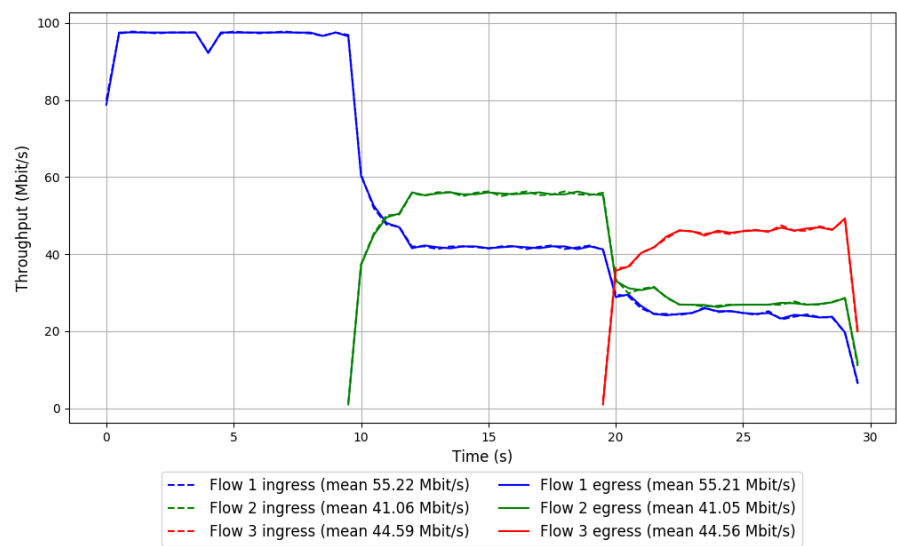


```
Run 1: Statistics of Indigo

Start at: 2018-01-17 02:34:27
End at: 2018-01-17 02:34:57
Local clock offset: 0.401 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-01-17 06:37:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 15.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 13.713 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 15.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

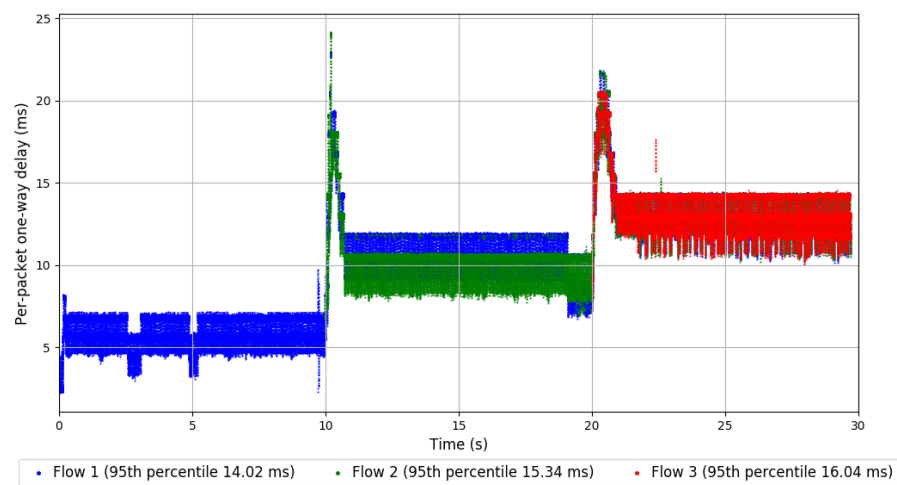
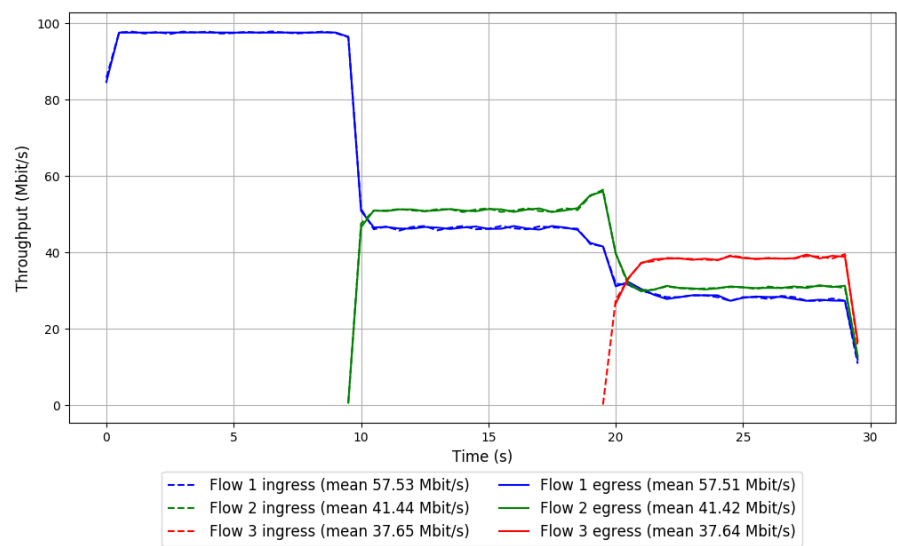


Run 2: Statistics of Indigo

Start at: 2018-01-17 02:55:10
End at: 2018-01-17 02:55:40
Local clock offset: 0.443 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-01-17 06:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 14.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 14.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 15.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 16.039 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-17 03:15:51

End at: 2018-01-17 03:16:21

Local clock offset: 0.398 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-01-17 06:37:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 15.567 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 14.343 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.98 Mbit/s

95th percentile per-packet one-way delay: 16.658 ms

Loss rate: 0.00%

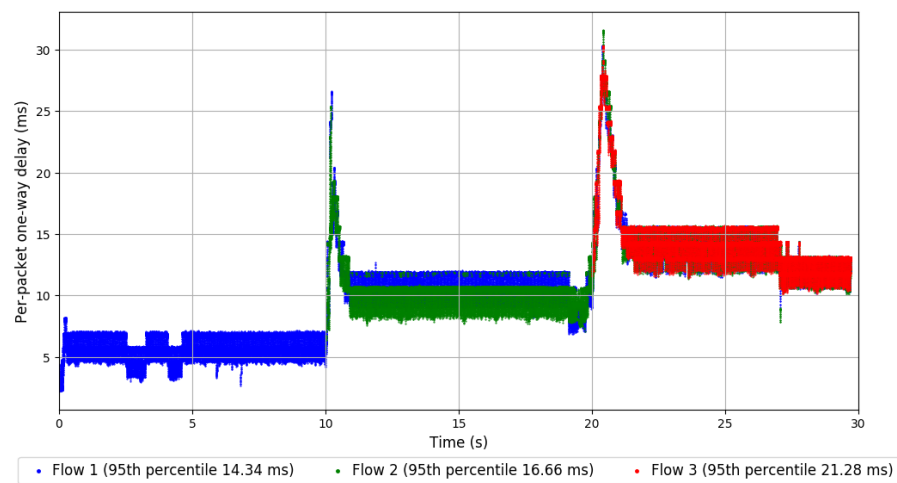
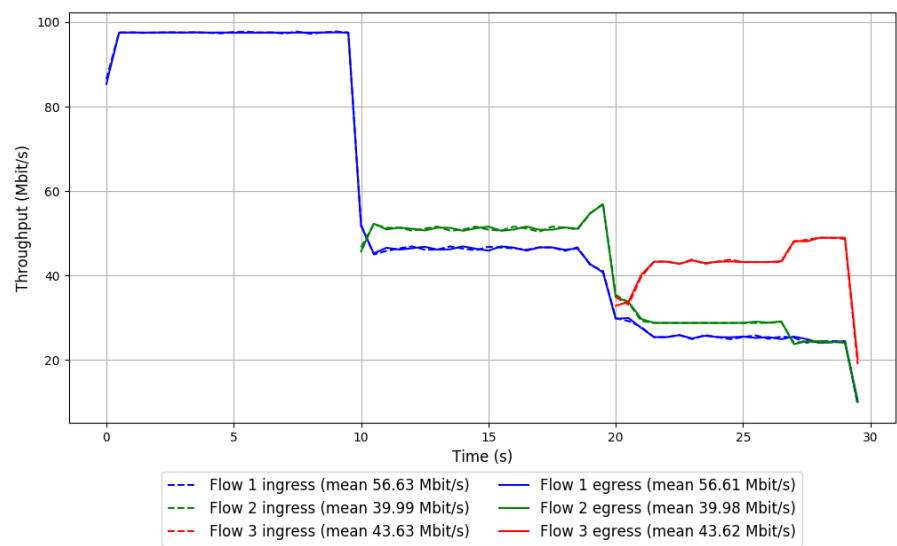
-- Flow 3:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 21.277 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-17 03:36:35

End at: 2018-01-17 03:37:05

Local clock offset: 0.385 ms

Remote clock offset: 0.776 ms

Below is generated by plot.py at 2018-01-17 06:37:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 14.223 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.07 Mbit/s

95th percentile per-packet one-way delay: 13.815 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.87 Mbit/s

95th percentile per-packet one-way delay: 14.265 ms

Loss rate: 0.00%

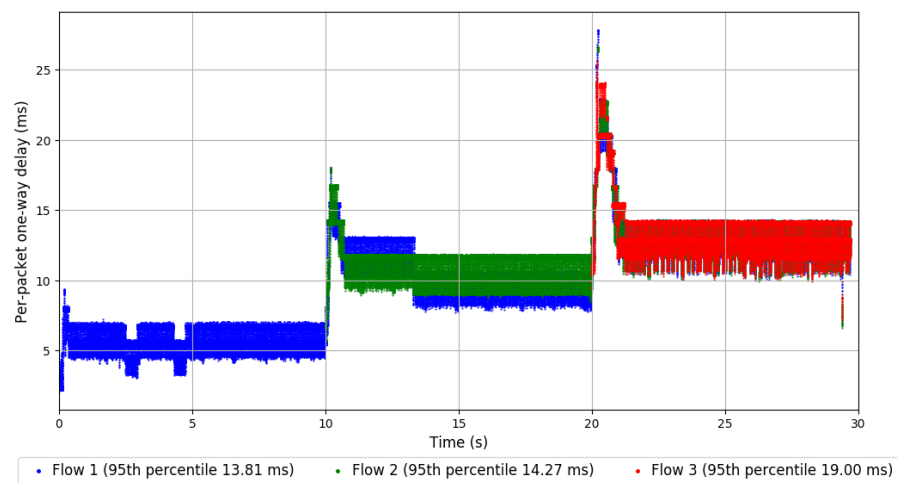
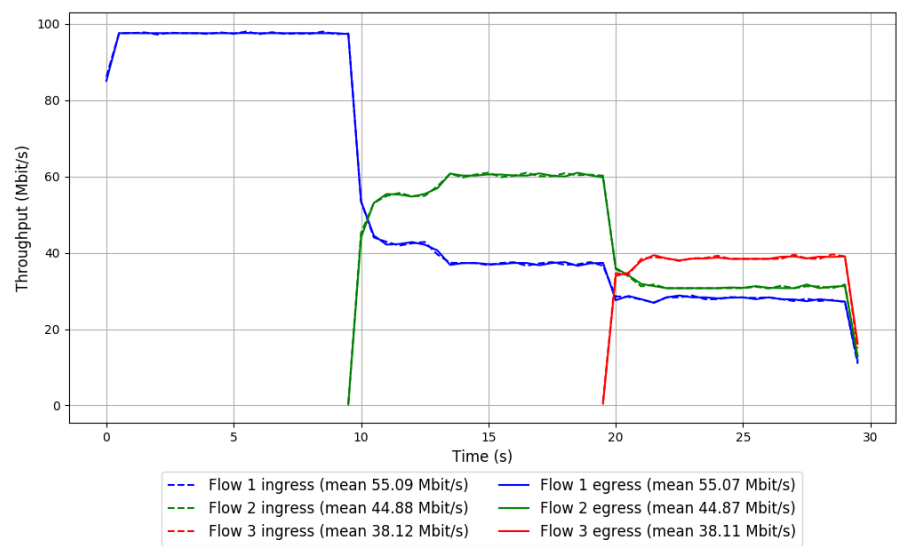
-- Flow 3:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 19.003 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-17 03:57:19

End at: 2018-01-17 03:57:49

Local clock offset: 0.338 ms

Remote clock offset: 1.525 ms

Below is generated by plot.py at 2018-01-17 06:37:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 14.343 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 14.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 15.417 ms

Loss rate: 0.00%

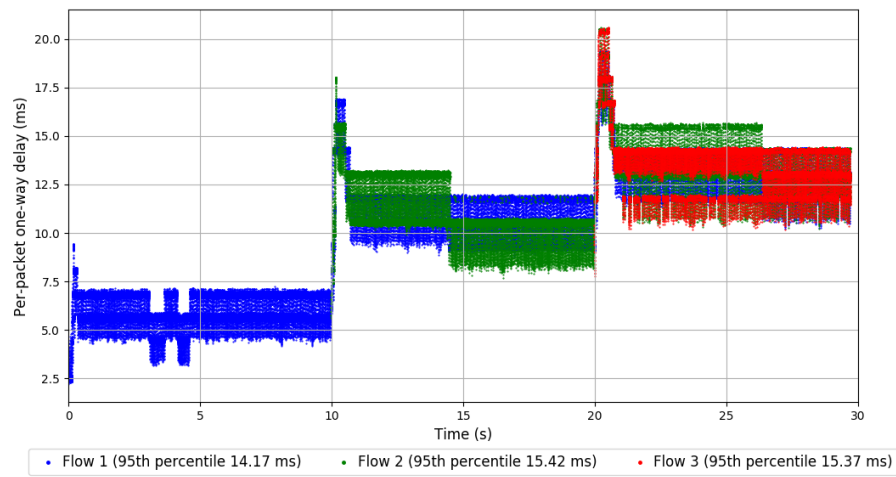
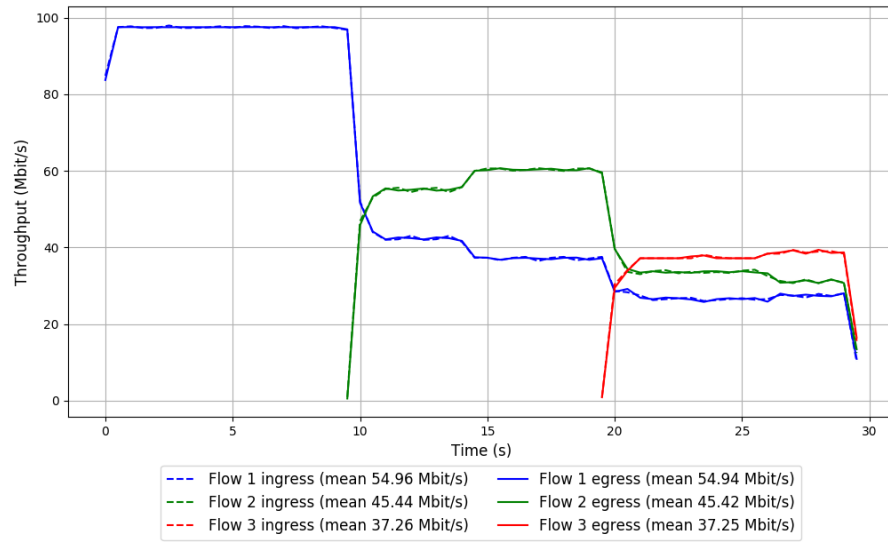
-- Flow 3:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 15.373 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-17 04:18:03

End at: 2018-01-17 04:18:33

Local clock offset: 0.299 ms

Remote clock offset: 1.787 ms

Below is generated by plot.py at 2018-01-17 06:38:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.179 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 13.093 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.83 Mbit/s

95th percentile per-packet one-way delay: 14.278 ms

Loss rate: 0.00%

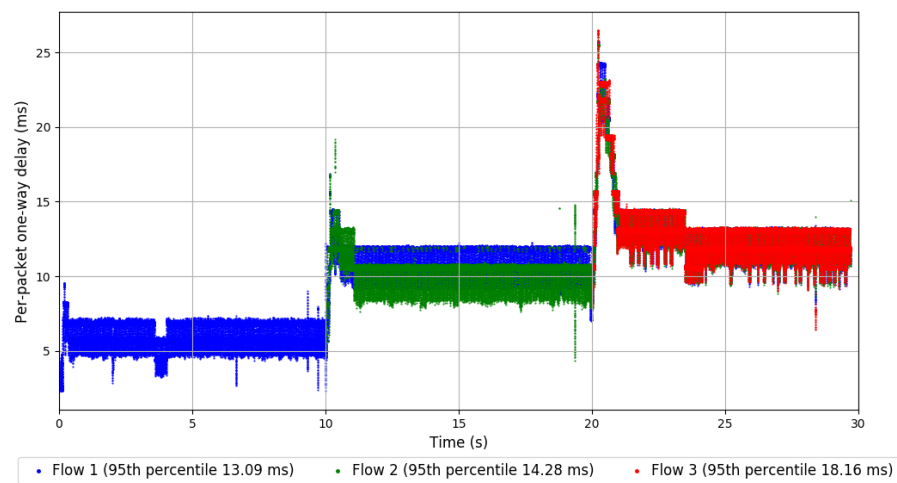
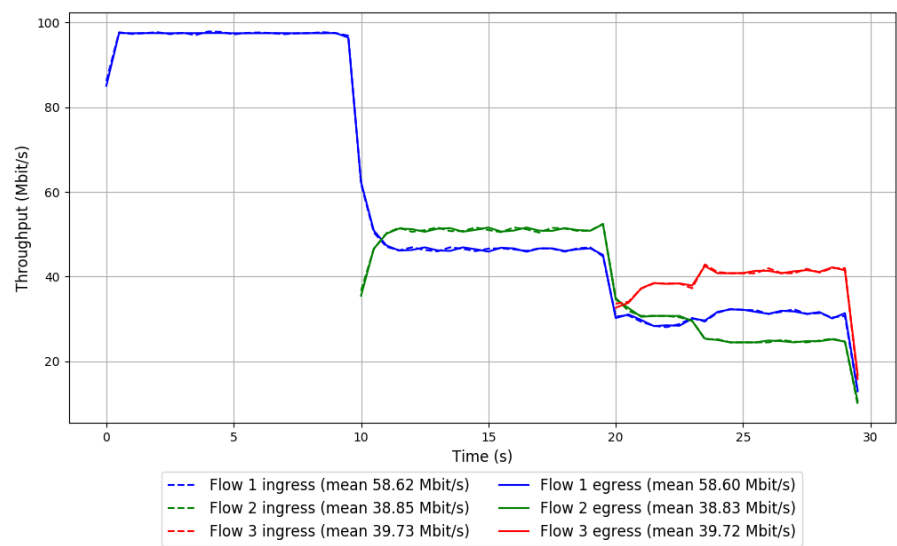
-- Flow 3:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 18.165 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-17 04:38:47

End at: 2018-01-17 04:39:17

Local clock offset: 0.303 ms

Remote clock offset: 1.751 ms

Below is generated by plot.py at 2018-01-17 06:38:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 14.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 14.461 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 14.494 ms

Loss rate: 0.00%

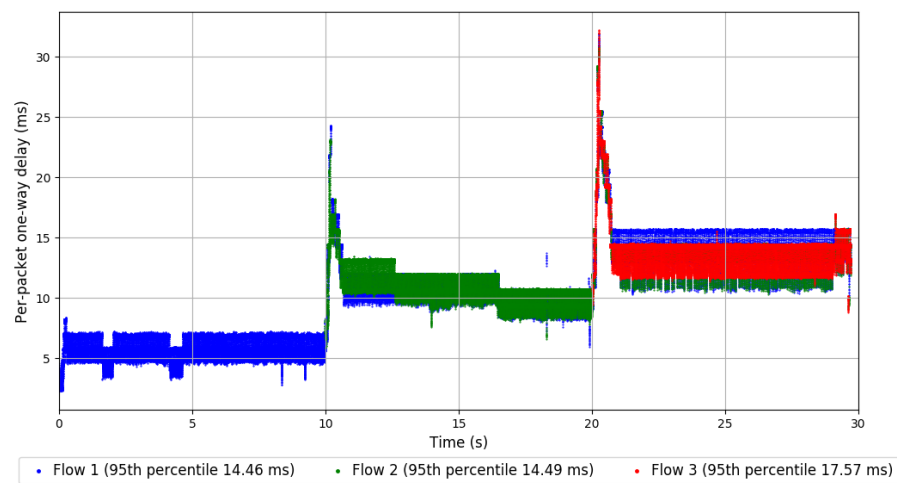
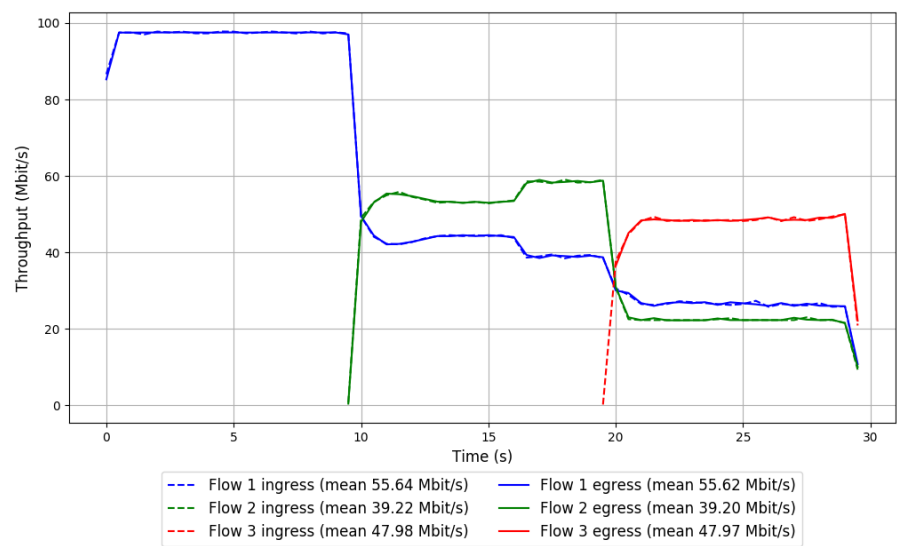
-- Flow 3:

Average throughput: 47.97 Mbit/s

95th percentile per-packet one-way delay: 17.572 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-17 04:59:31

End at: 2018-01-17 05:00:01

Local clock offset: 0.294 ms

Remote clock offset: 1.477 ms

Below is generated by plot.py at 2018-01-17 06:38:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 15.461 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 14.411 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.93 Mbit/s

95th percentile per-packet one-way delay: 15.522 ms

Loss rate: 0.00%

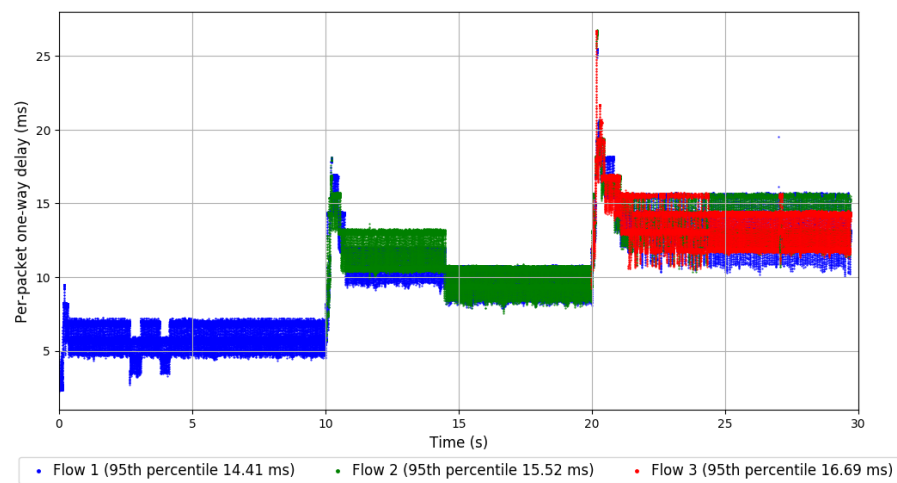
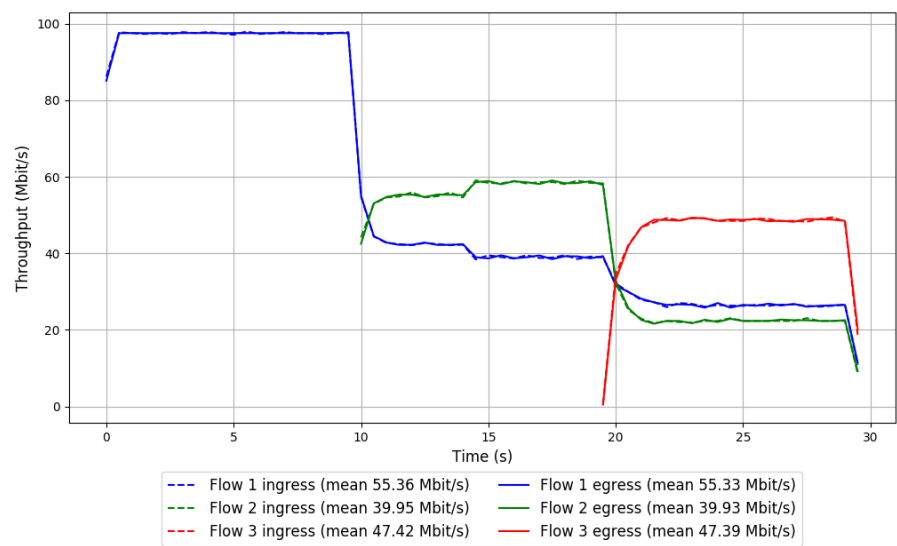
-- Flow 3:

Average throughput: 47.39 Mbit/s

95th percentile per-packet one-way delay: 16.688 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-17 05:20:14

End at: 2018-01-17 05:20:44

Local clock offset: 0.308 ms

Remote clock offset: 1.138 ms

Below is generated by plot.py at 2018-01-17 06:38:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 15.623 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.56 Mbit/s

95th percentile per-packet one-way delay: 14.354 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.52 Mbit/s

95th percentile per-packet one-way delay: 16.622 ms

Loss rate: 0.00%

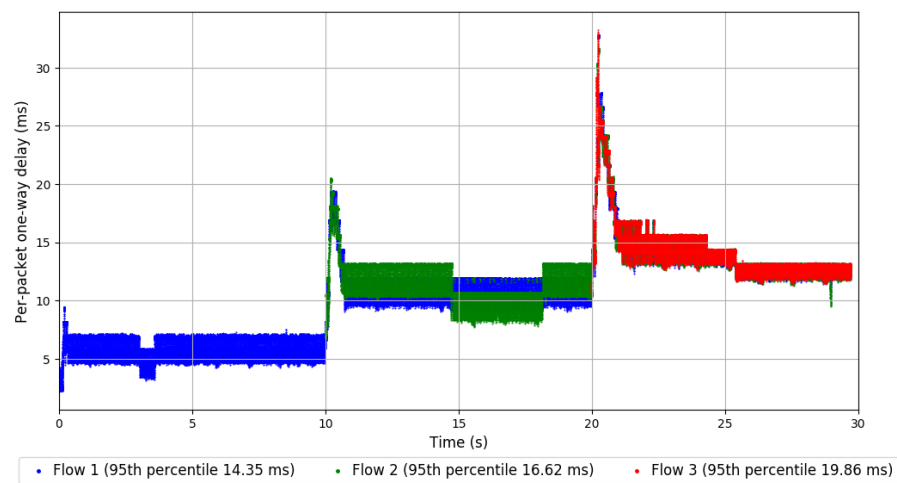
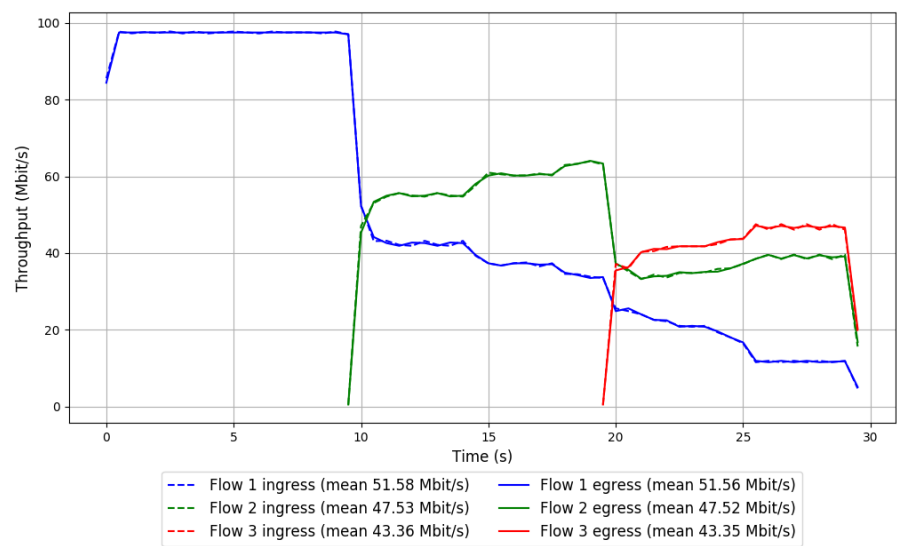
-- Flow 3:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 19.865 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-17 05:40:58

End at: 2018-01-17 05:41:28

Local clock offset: 0.285 ms

Remote clock offset: 0.721 ms

Below is generated by plot.py at 2018-01-17 06:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 14.396 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 14.086 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 14.872 ms

Loss rate: 0.00%

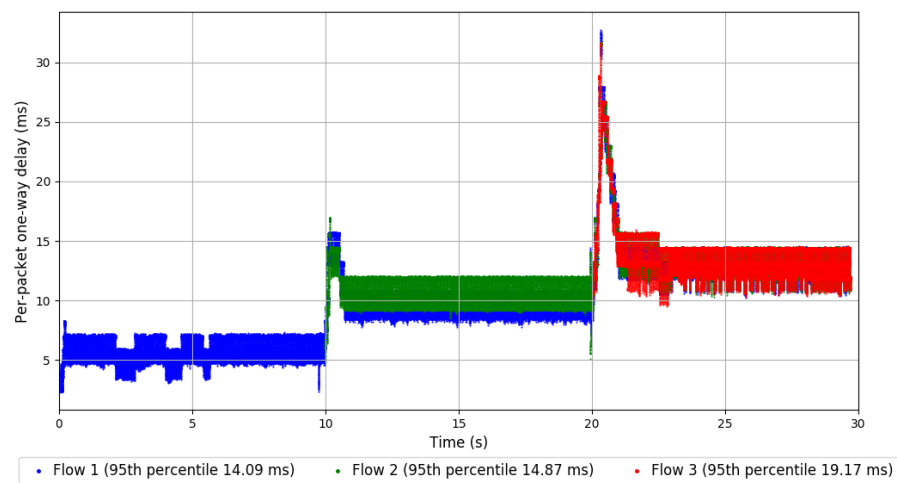
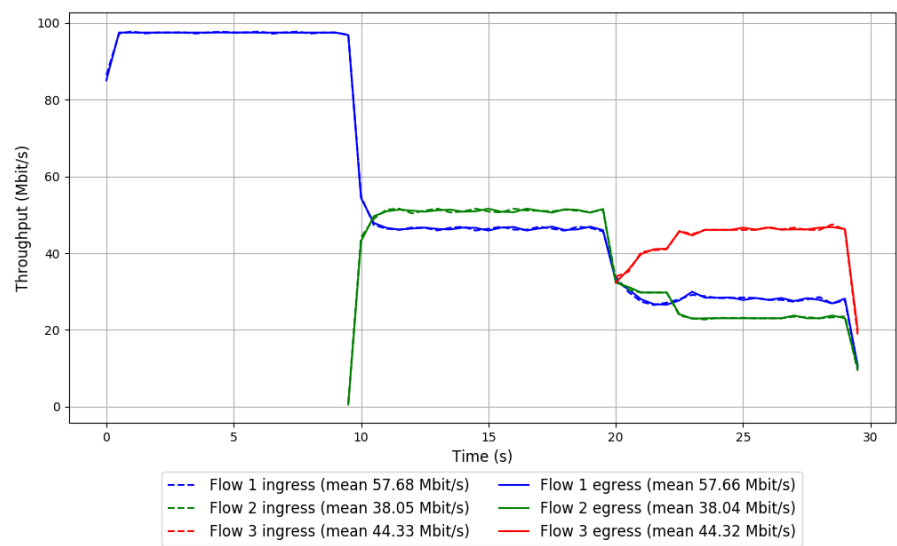
-- Flow 3:

Average throughput: 44.32 Mbit/s

95th percentile per-packet one-way delay: 19.168 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

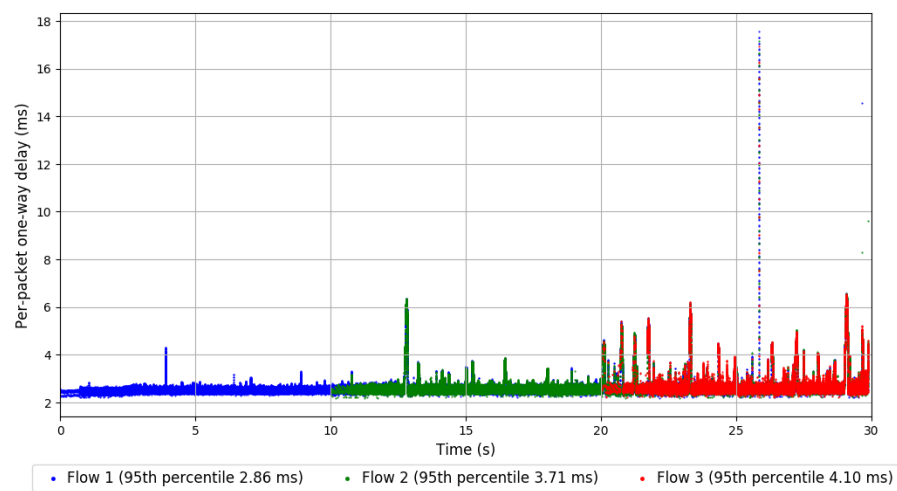
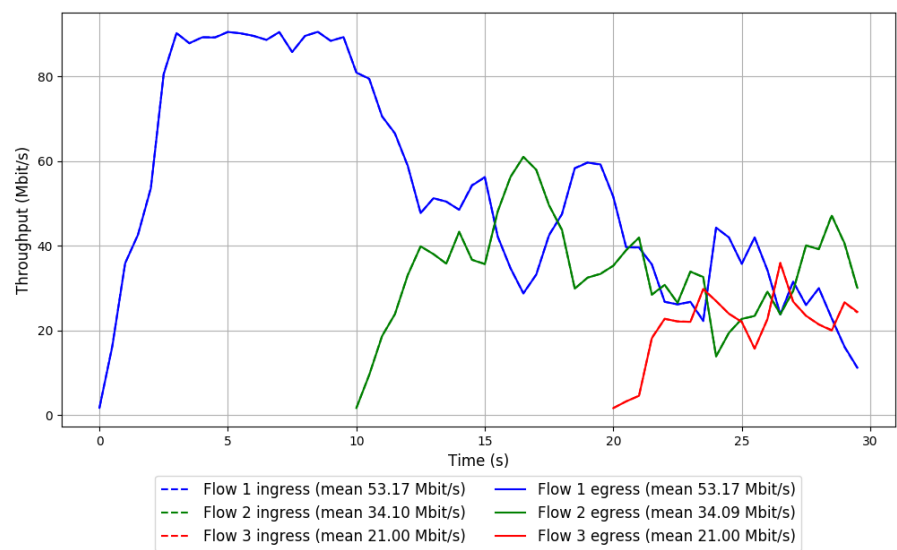


Run 1: Statistics of Vivace-latency

Start at: 2018-01-17 02:20:31
End at: 2018-01-17 02:21:01
Local clock offset: 0.369 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-01-17 06:39:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 3.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 2.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 3.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 4.098 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

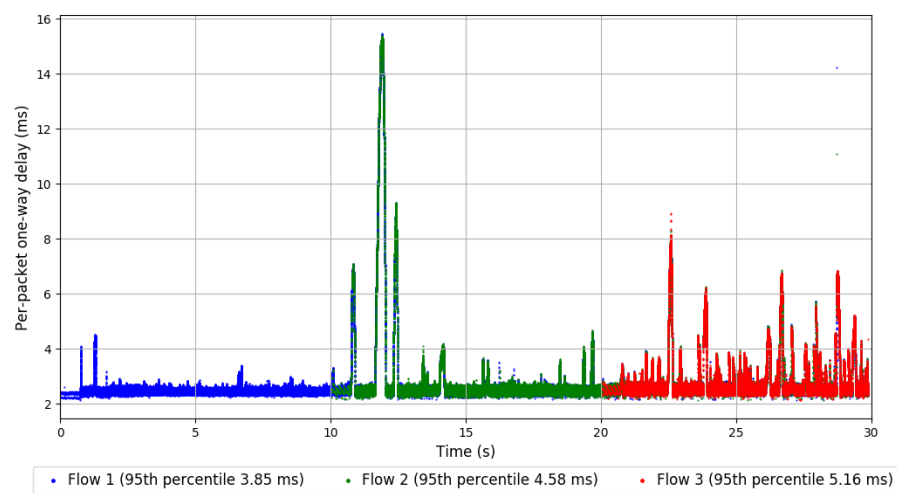
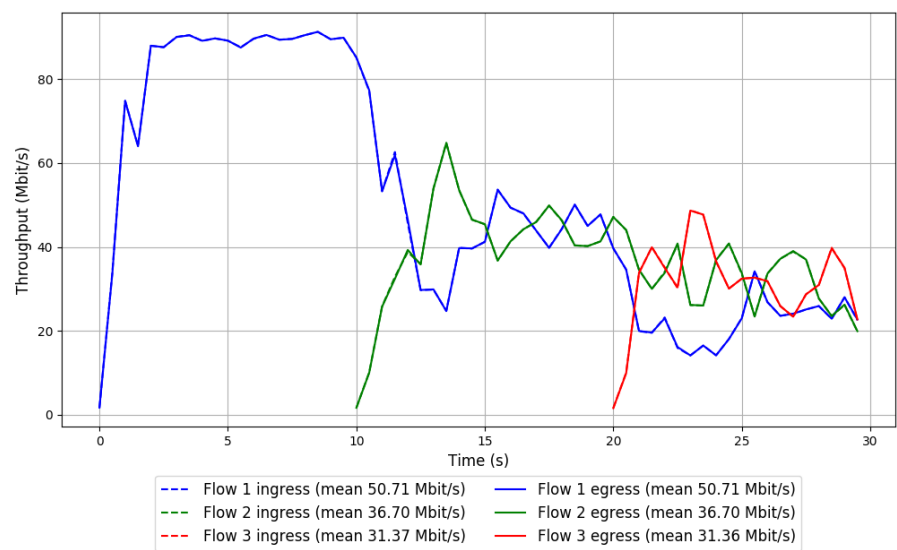


Run 2: Statistics of Vivace-latency

Start at: 2018-01-17 02:41:12
End at: 2018-01-17 02:41:42
Local clock offset: 0.451 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-01-17 06:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 4.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 4.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 5.155 ms
Loss rate: 0.01%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-17 03:01:55

End at: 2018-01-17 03:02:25

Local clock offset: 0.432 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-01-17 06:40:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.21 Mbit/s

95th percentile per-packet one-way delay: 3.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.59 Mbit/s

95th percentile per-packet one-way delay: 3.469 ms

Loss rate: 0.00%

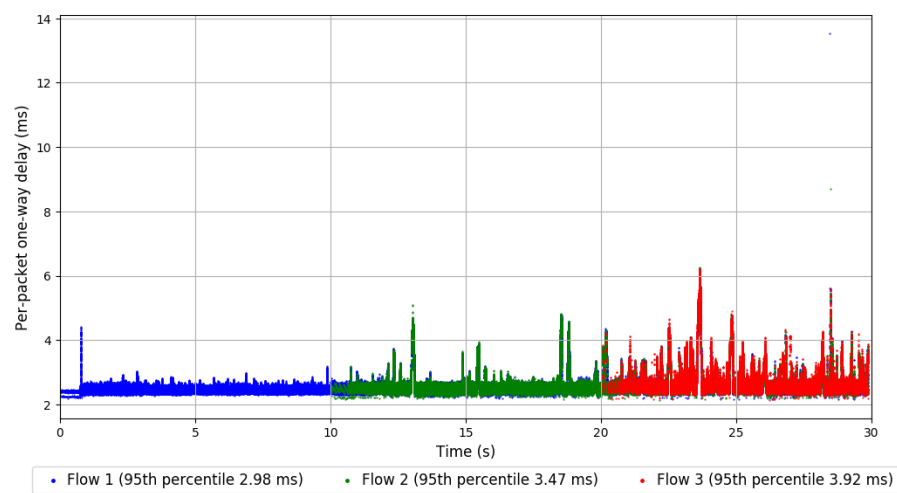
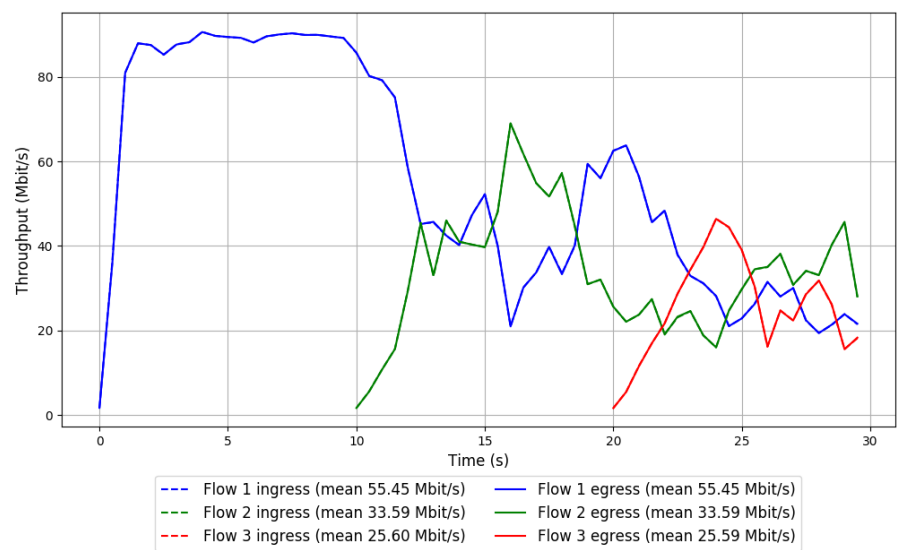
-- Flow 3:

Average throughput: 25.59 Mbit/s

95th percentile per-packet one-way delay: 3.919 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-17 03:22:36

End at: 2018-01-17 03:23:06

Local clock offset: 0.314 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-01-17 06:40:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 3.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 2.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.86 Mbit/s

95th percentile per-packet one-way delay: 4.432 ms

Loss rate: 0.00%

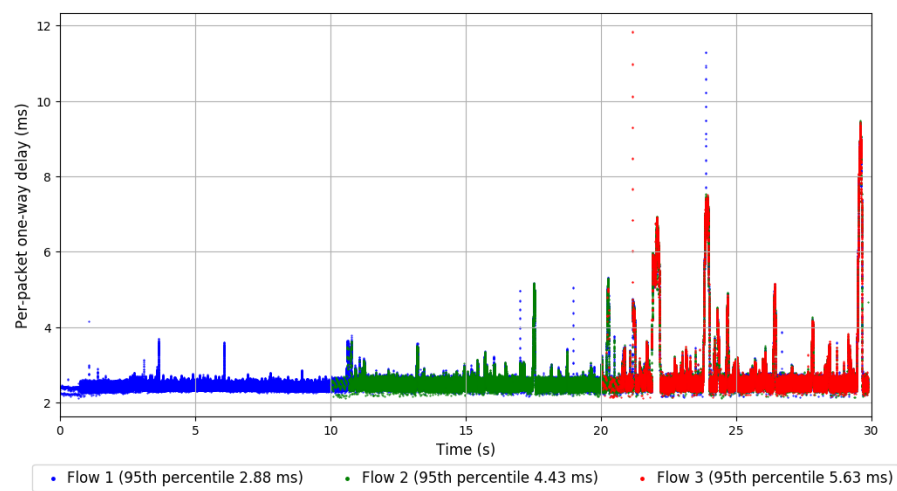
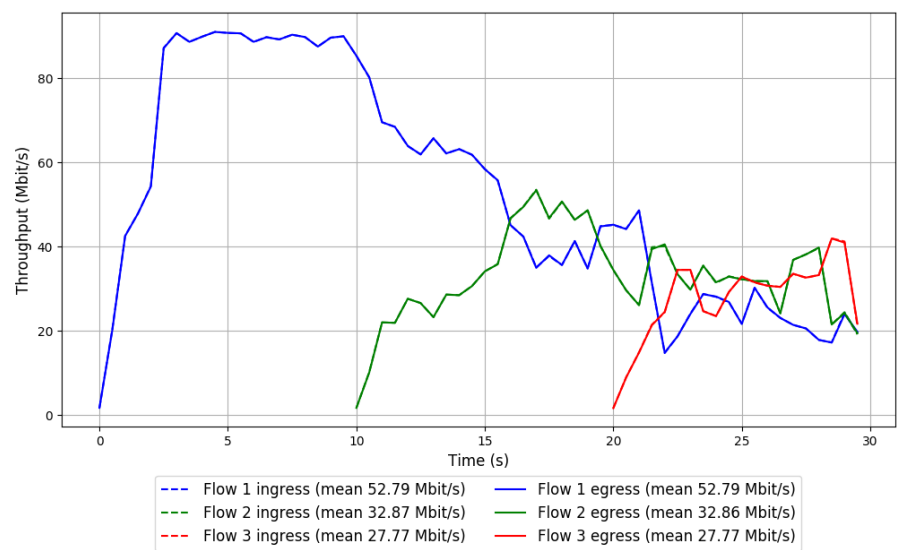
-- Flow 3:

Average throughput: 27.77 Mbit/s

95th percentile per-packet one-way delay: 5.633 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-17 03:43:20

End at: 2018-01-17 03:43:50

Local clock offset: 0.293 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-01-17 06:41:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 3.532 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 3.059 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 4.328 ms

Loss rate: 0.00%

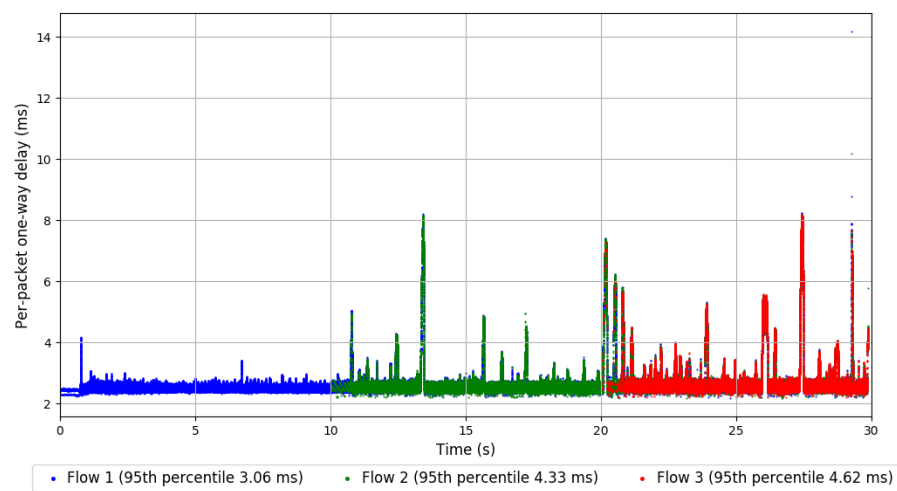
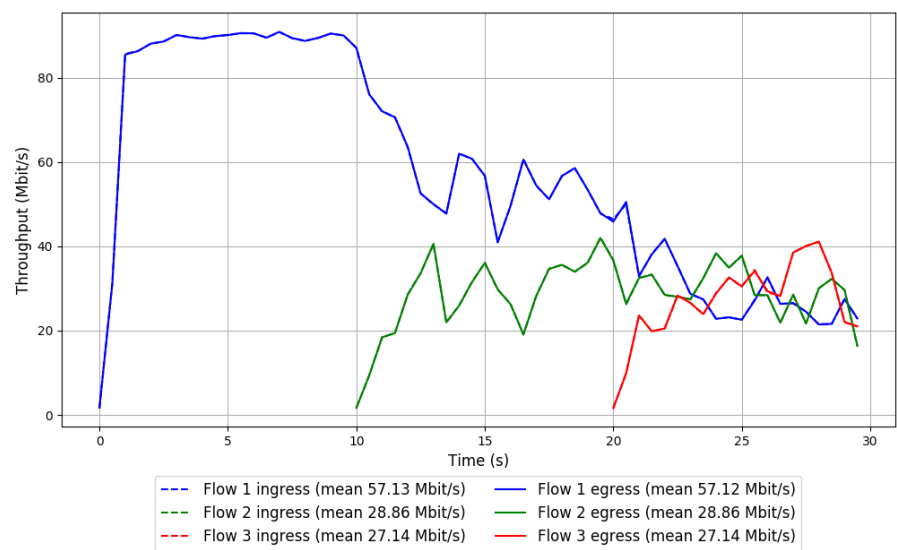
-- Flow 3:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 4.617 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-17 04:04:04

End at: 2018-01-17 04:04:34

Local clock offset: 0.347 ms

Remote clock offset: 1.697 ms

Below is generated by plot.py at 2018-01-17 06:41:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 3.177 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.65 Mbit/s

95th percentile per-packet one-way delay: 2.902 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 3.407 ms

Loss rate: 0.00%

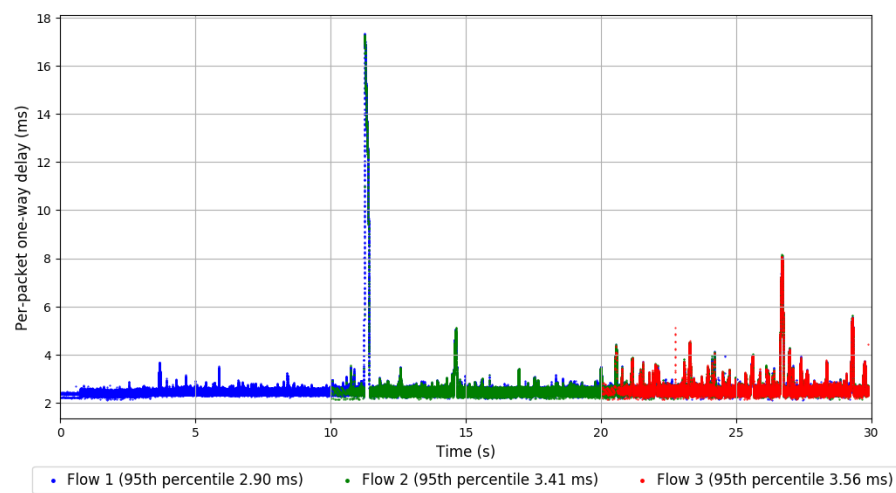
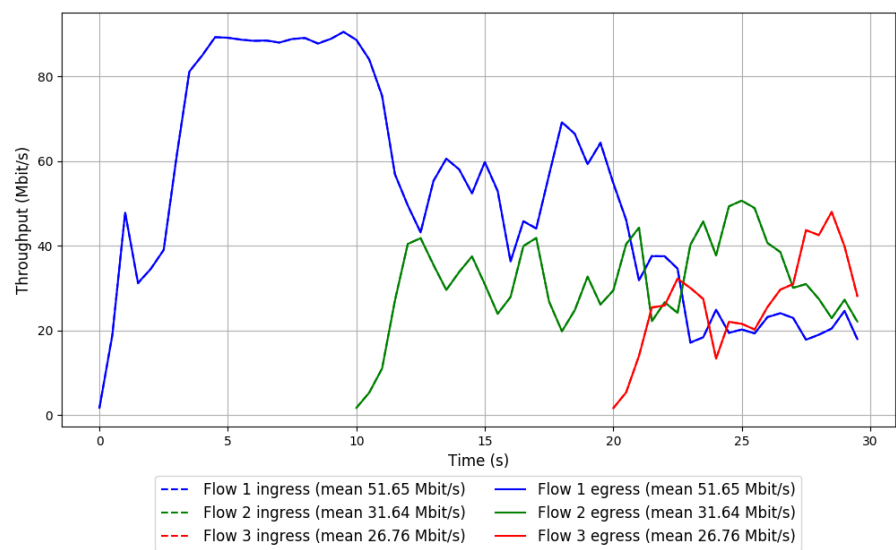
-- Flow 3:

Average throughput: 26.76 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 04:24:48

End at: 2018-01-17 04:25:18

Local clock offset: 0.336 ms

Remote clock offset: 1.691 ms

Below is generated by plot.py at 2018-01-17 06:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.35 Mbit/s

95th percentile per-packet one-way delay: 3.482 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 3.022 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.65 Mbit/s

95th percentile per-packet one-way delay: 3.867 ms

Loss rate: 0.00%

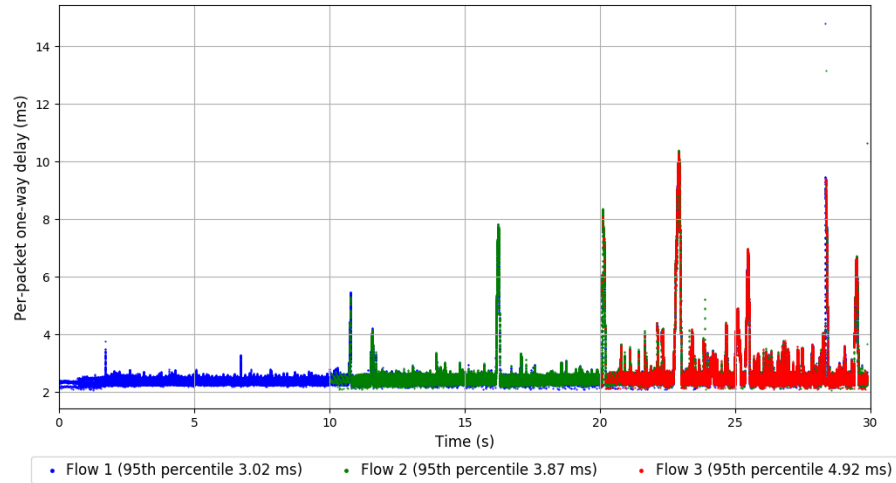
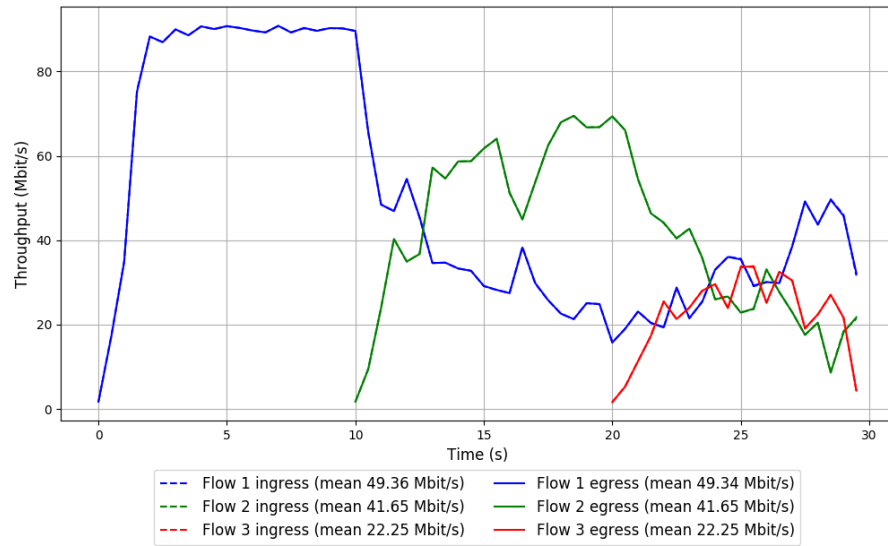
-- Flow 3:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 4.917 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 04:45:32

End at: 2018-01-17 04:46:02

Local clock offset: 0.362 ms

Remote clock offset: 1.715 ms

Below is generated by plot.py at 2018-01-17 06:41:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.05 Mbit/s

95th percentile per-packet one-way delay: 3.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.48 Mbit/s

95th percentile per-packet one-way delay: 3.048 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.35 Mbit/s

95th percentile per-packet one-way delay: 3.951 ms

Loss rate: 0.00%

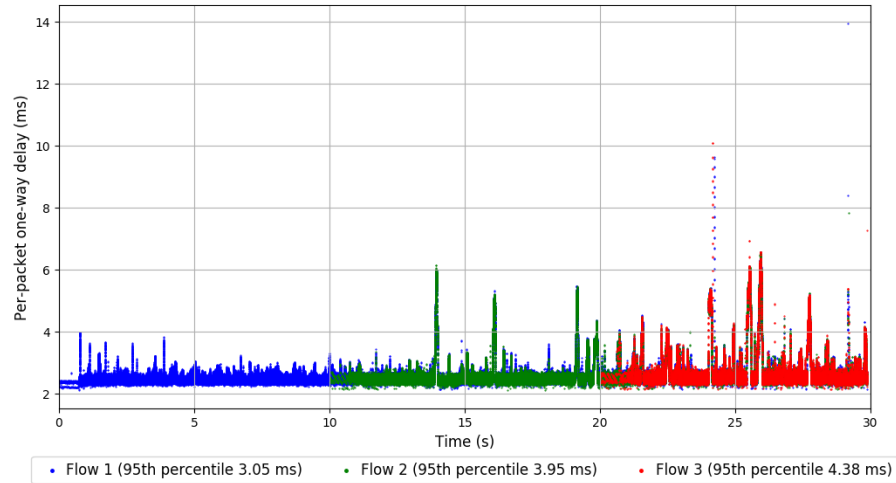
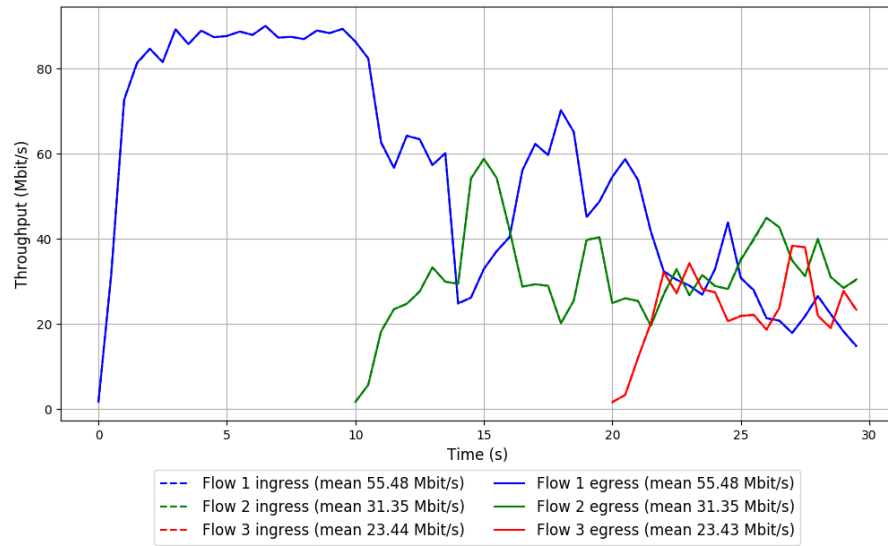
-- Flow 3:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 4.384 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 05:06:16

End at: 2018-01-17 05:06:46

Local clock offset: 0.343 ms

Remote clock offset: 1.337 ms

Below is generated by plot.py at 2018-01-17 06:41:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 3.297 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 2.898 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.77 Mbit/s

95th percentile per-packet one-way delay: 3.530 ms

Loss rate: 0.00%

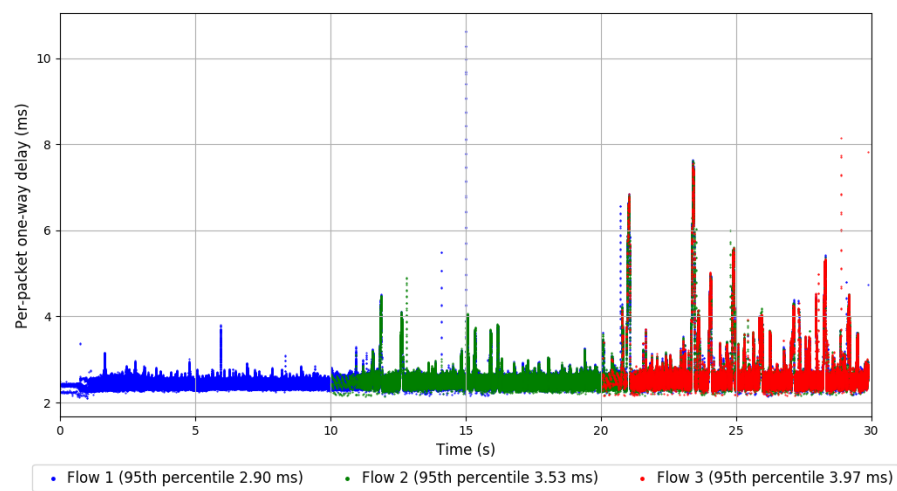
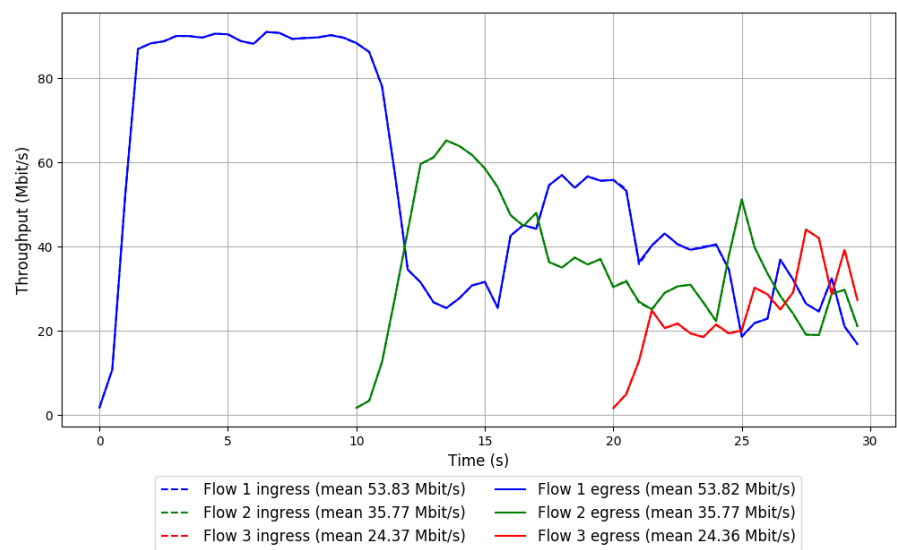
-- Flow 3:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 3.969 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-17 05:26:59

End at: 2018-01-17 05:27:29

Local clock offset: 0.271 ms

Remote clock offset: 0.955 ms

Below is generated by plot.py at 2018-01-17 06:42:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.23 Mbit/s

95th percentile per-packet one-way delay: 3.728 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.70 Mbit/s

95th percentile per-packet one-way delay: 3.240 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.77 Mbit/s

95th percentile per-packet one-way delay: 4.012 ms

Loss rate: 0.00%

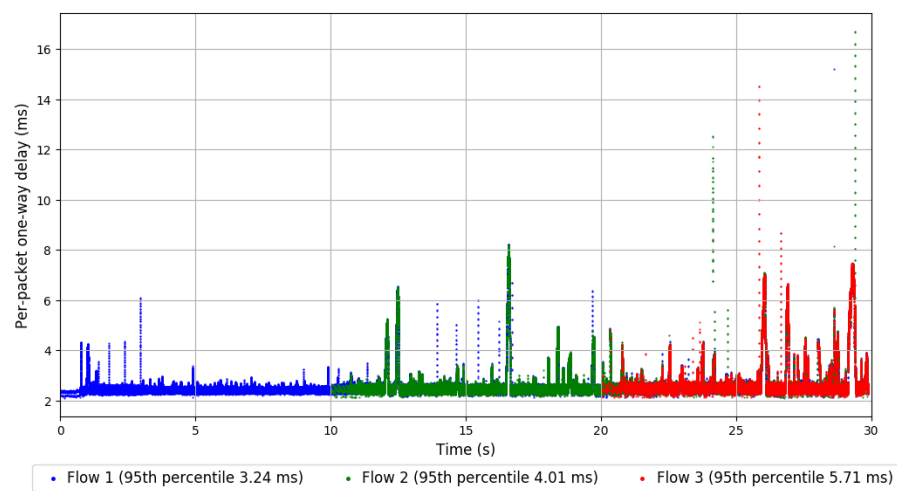
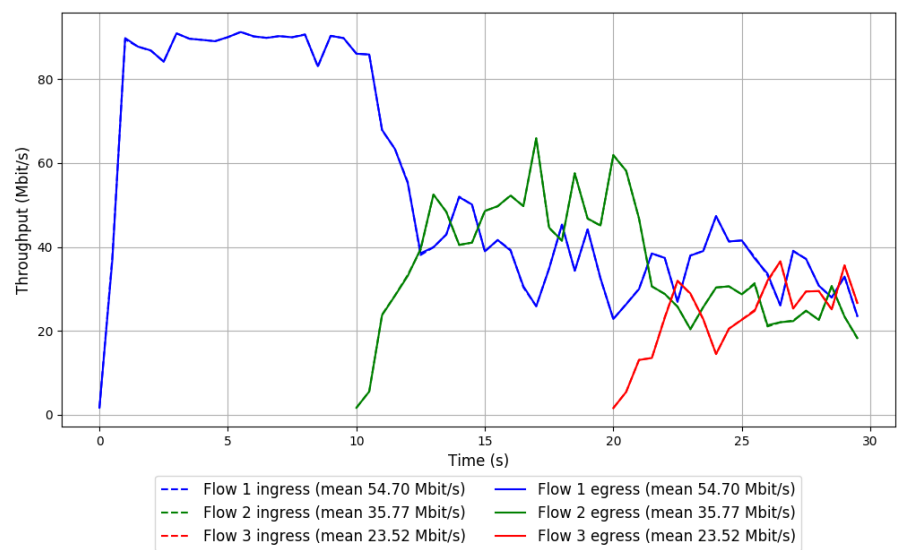
-- Flow 3:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 5.711 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

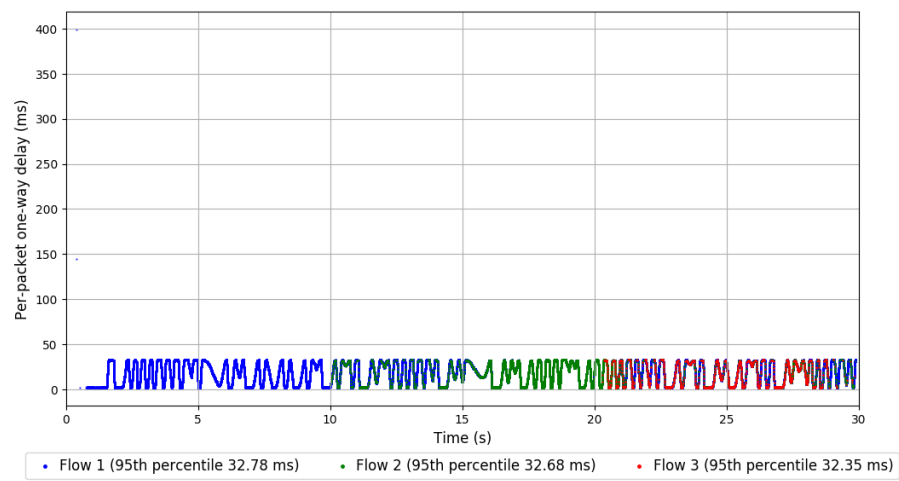
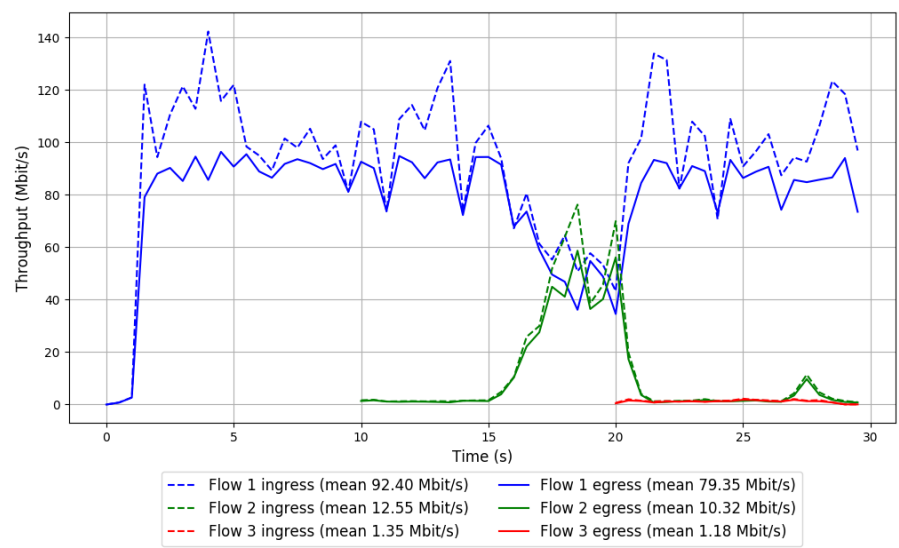


Run 1: Statistics of Vivace-loss

Start at: 2018-01-17 02:30:55
End at: 2018-01-17 02:31:25
Local clock offset: 0.437 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-01-17 06:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 32.772 ms
Loss rate: 15.37%
-- Flow 1:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 32.781 ms
Loss rate: 15.17%
-- Flow 2:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 32.682 ms
Loss rate: 17.68%
-- Flow 3:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 32.352 ms
Loss rate: 14.53%

Run 1: Report of Vivace-loss — Data Link

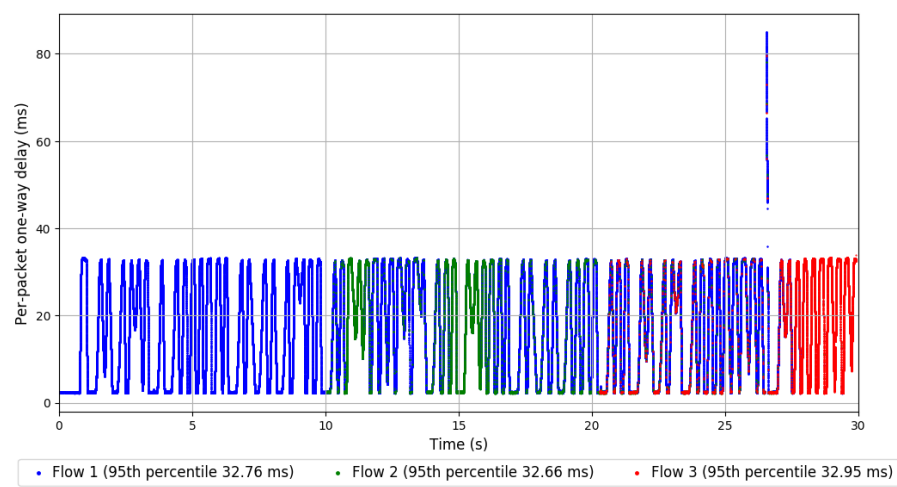
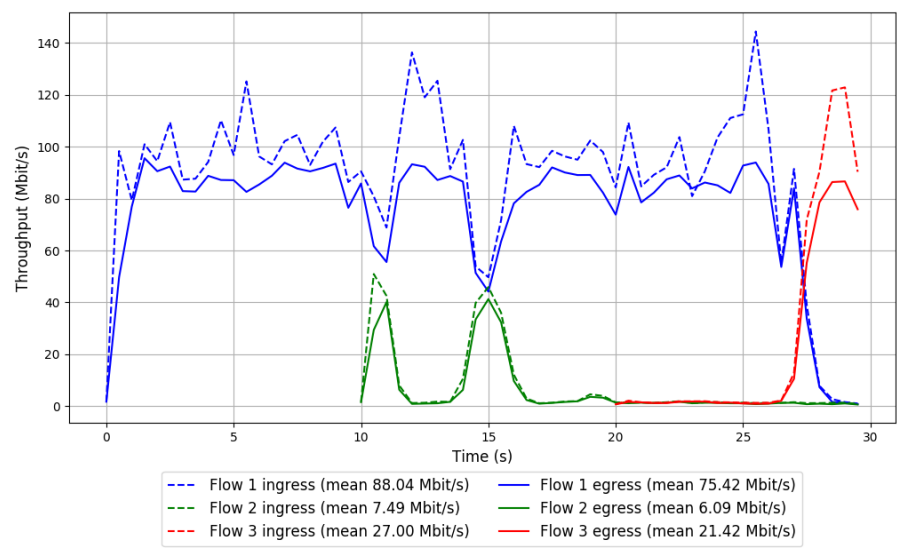


Run 2: Statistics of Vivace-loss

Start at: 2018-01-17 02:51:38
End at: 2018-01-17 02:52:08
Local clock offset: 0.438 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-01-17 06:43:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 32.789 ms
Loss rate: 15.18%
-- Flow 1:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 32.755 ms
Loss rate: 14.25%
-- Flow 2:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 18.60%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 32.952 ms
Loss rate: 22.48%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-17 03:12:22

End at: 2018-01-17 03:12:52

Local clock offset: 0.421 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-01-17 06:43:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.51 Mbit/s

95th percentile per-packet one-way delay: 32.596 ms

Loss rate: 11.74%

-- Flow 1:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 5336.102 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 32.680 ms

Loss rate: 13.07%

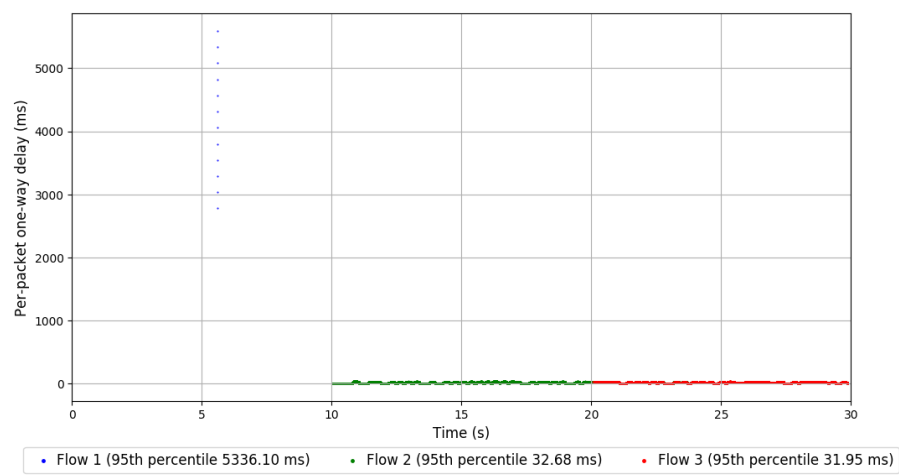
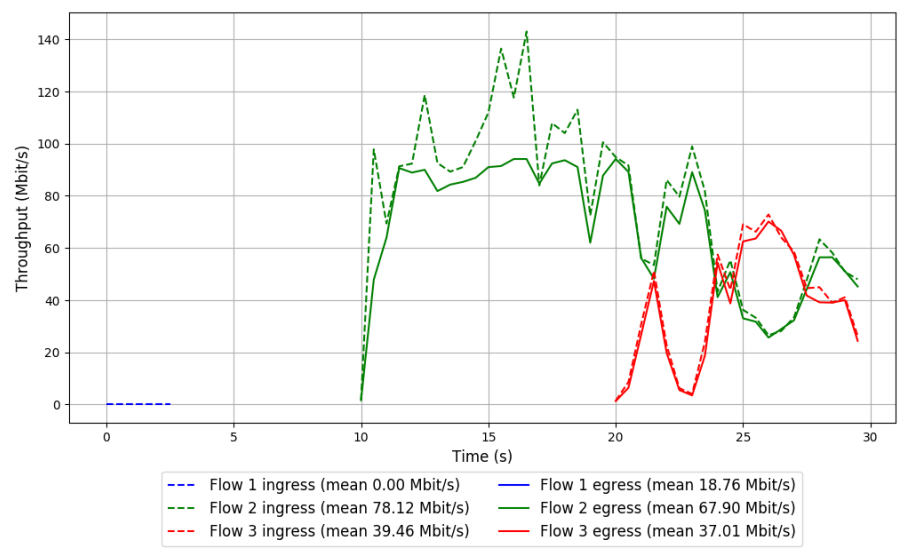
-- Flow 3:

Average throughput: 37.01 Mbit/s

95th percentile per-packet one-way delay: 31.946 ms

Loss rate: 6.43%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-17 03:33:02

End at: 2018-01-17 03:33:32

Local clock offset: 0.398 ms

Remote clock offset: 0.682 ms

Below is generated by plot.py at 2018-01-17 06:43:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 32.743 ms

Loss rate: 16.00%

-- Flow 1:

Average throughput: 84.18 Mbit/s

95th percentile per-packet one-way delay: 32.748 ms

Loss rate: 16.02%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 32.269 ms

Loss rate: 14.27%

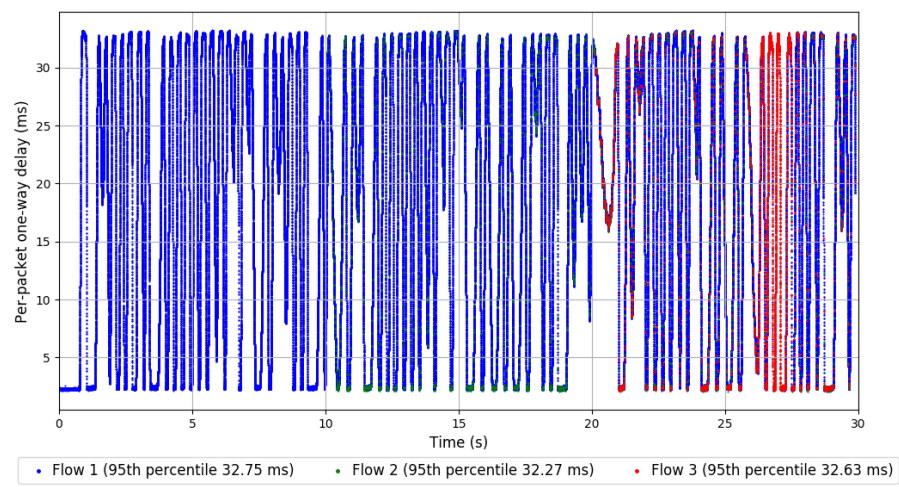
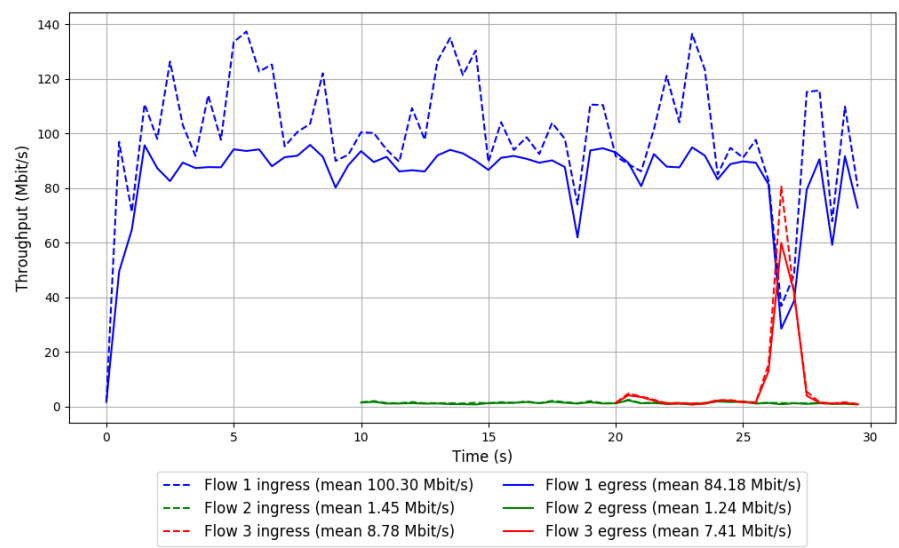
-- Flow 3:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 32.630 ms

Loss rate: 15.79%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-17 03:53:46

End at: 2018-01-17 03:54:16

Local clock offset: 0.332 ms

Remote clock offset: 1.425 ms

Below is generated by plot.py at 2018-01-17 06:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 32.612 ms

Loss rate: 12.80%

-- Flow 1:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 32.814 ms

Loss rate: 16.36%

-- Flow 2:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 32.355 ms

Loss rate: 8.86%

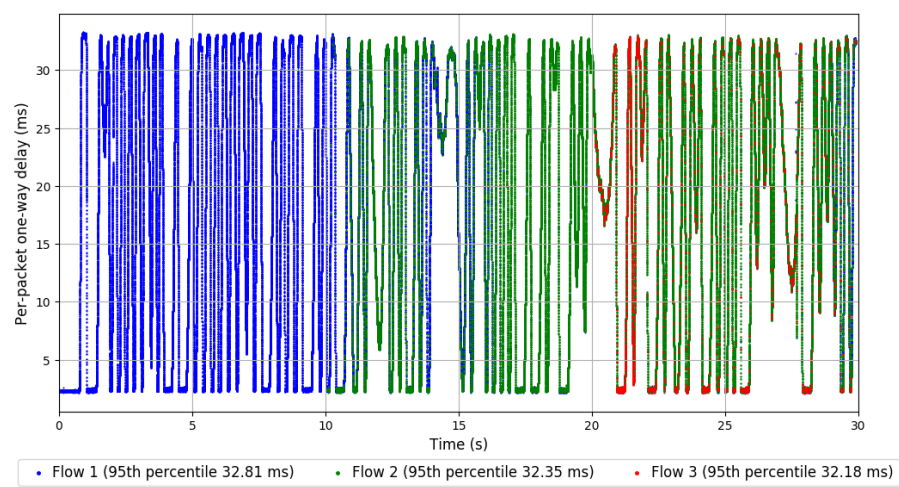
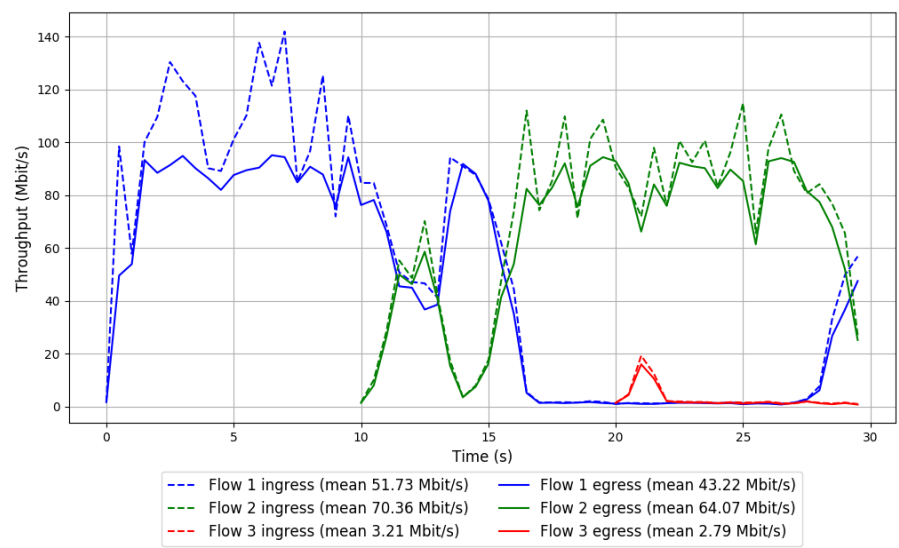
-- Flow 3:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 32.181 ms

Loss rate: 12.98%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-17 04:14:31

End at: 2018-01-17 04:15:01

Local clock offset: 0.283 ms

Remote clock offset: 1.811 ms

Below is generated by plot.py at 2018-01-17 06:43:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 32.773 ms

Loss rate: 14.09%

-- Flow 1:

Average throughput: 59.84 Mbit/s

95th percentile per-packet one-way delay: 32.720 ms

Loss rate: 12.61%

-- Flow 2:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 32.907 ms

Loss rate: 16.80%

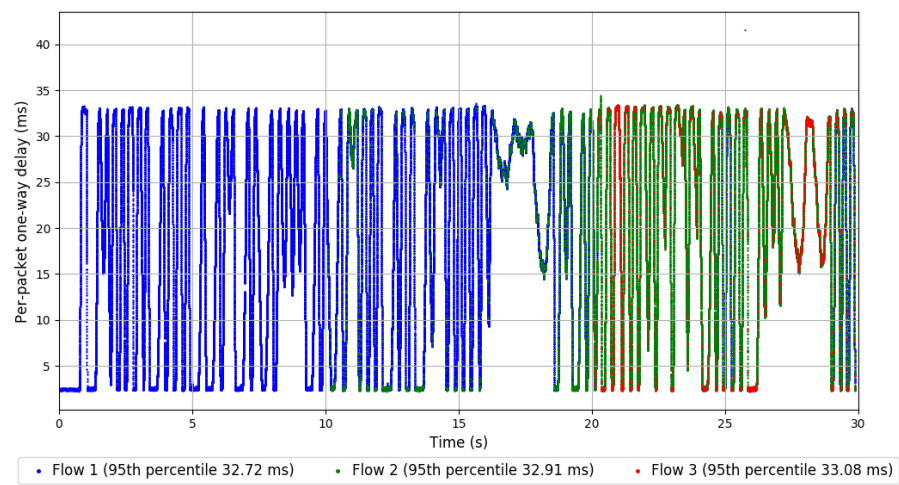
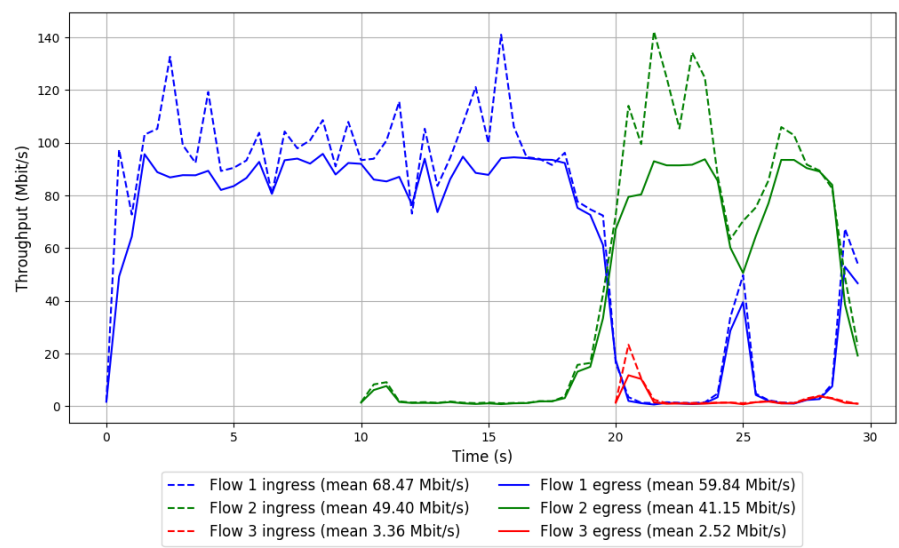
-- Flow 3:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 33.083 ms

Loss rate: 25.03%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 04:35:14

End at: 2018-01-17 04:35:44

Local clock offset: 0.374 ms

Remote clock offset: 1.753 ms

Below is generated by plot.py at 2018-01-17 06:44:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 32.639 ms

Loss rate: 12.03%

-- Flow 1:

Average throughput: 82.88 Mbit/s

95th percentile per-packet one-way delay: 32.654 ms

Loss rate: 12.11%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 32.187 ms

Loss rate: 12.89%

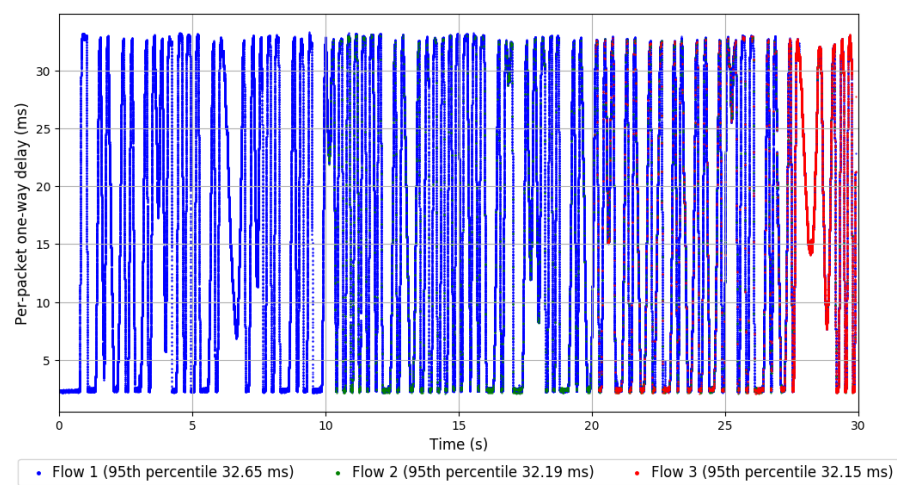
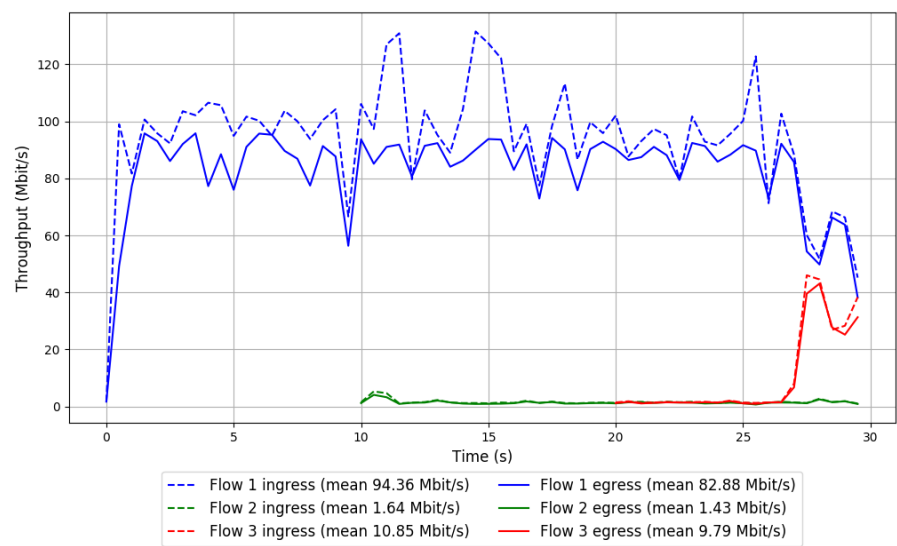
-- Flow 3:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 32.149 ms

Loss rate: 9.73%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 04:55:59

End at: 2018-01-17 04:56:29

Local clock offset: 0.362 ms

Remote clock offset: 1.529 ms

Below is generated by plot.py at 2018-01-17 06:44:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 32.588 ms

Loss rate: 11.68%

-- Flow 1:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 32.695 ms

Loss rate: 12.83%

-- Flow 2:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 32.422 ms

Loss rate: 9.07%

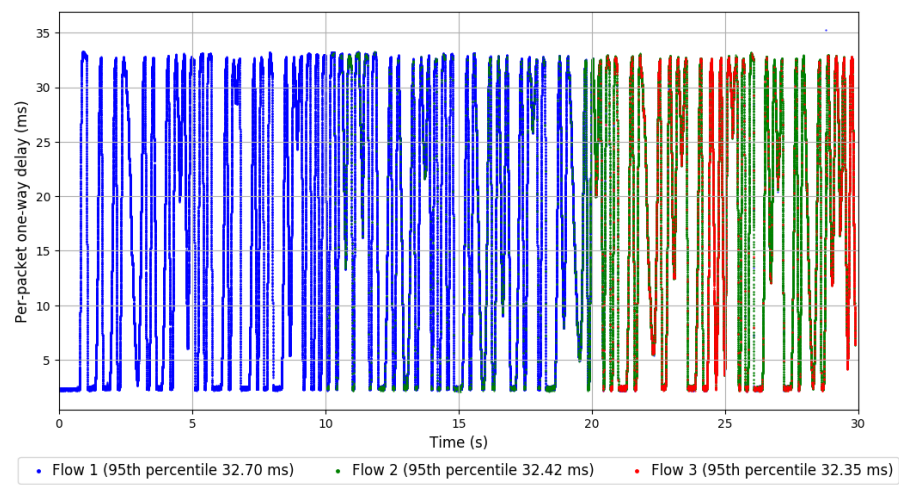
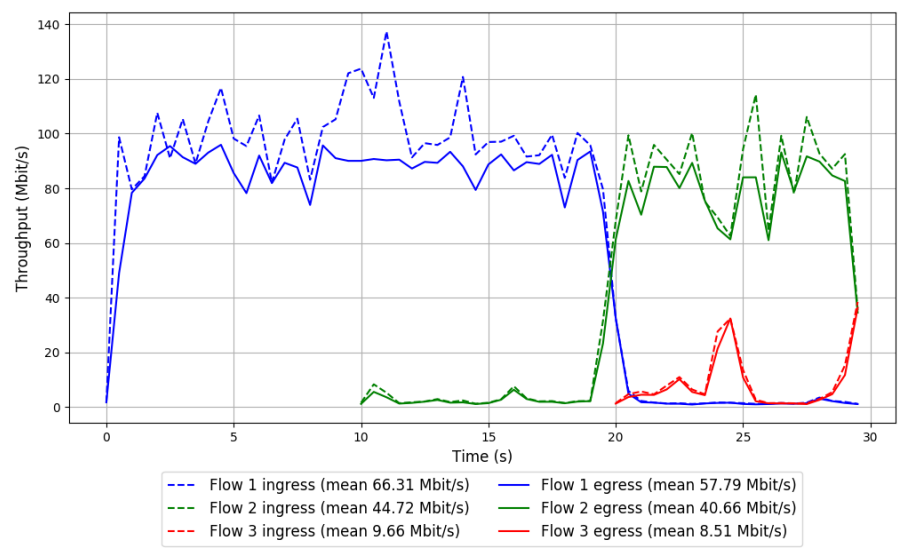
-- Flow 3:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 32.351 ms

Loss rate: 12.07%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 05:16:42

End at: 2018-01-17 05:17:12

Local clock offset: 0.287 ms

Remote clock offset: 1.179 ms

Below is generated by plot.py at 2018-01-17 06:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 32.511 ms

Loss rate: 8.82%

-- Flow 1:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 32.607 ms

Loss rate: 10.50%

-- Flow 2:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 31.456 ms

Loss rate: 3.89%

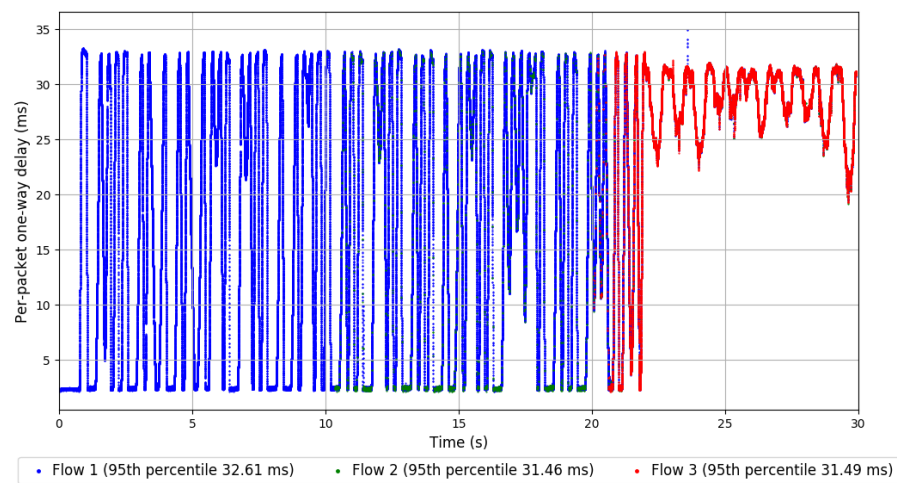
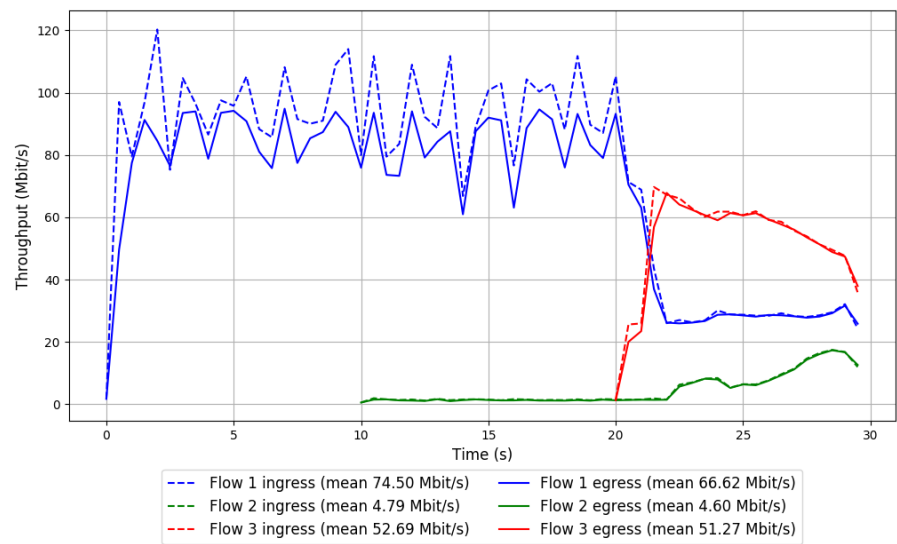
-- Flow 3:

Average throughput: 51.27 Mbit/s

95th percentile per-packet one-way delay: 31.489 ms

Loss rate: 2.50%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 05:37:26

End at: 2018-01-17 05:37:56

Local clock offset: 0.289 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2018-01-17 06:44:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 32.630 ms

Loss rate: 11.49%

-- Flow 1:

Average throughput: 83.96 Mbit/s

95th percentile per-packet one-way delay: 32.635 ms

Loss rate: 11.48%

-- Flow 2:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 32.125 ms

Loss rate: 12.01%

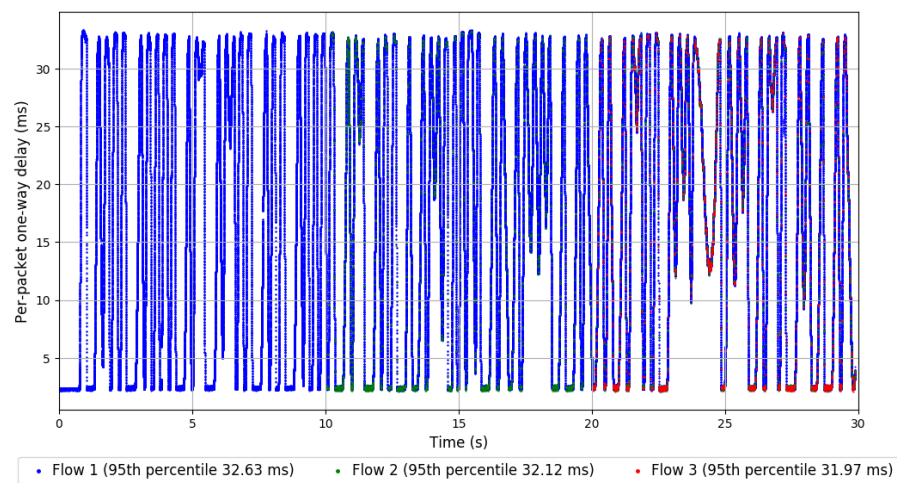
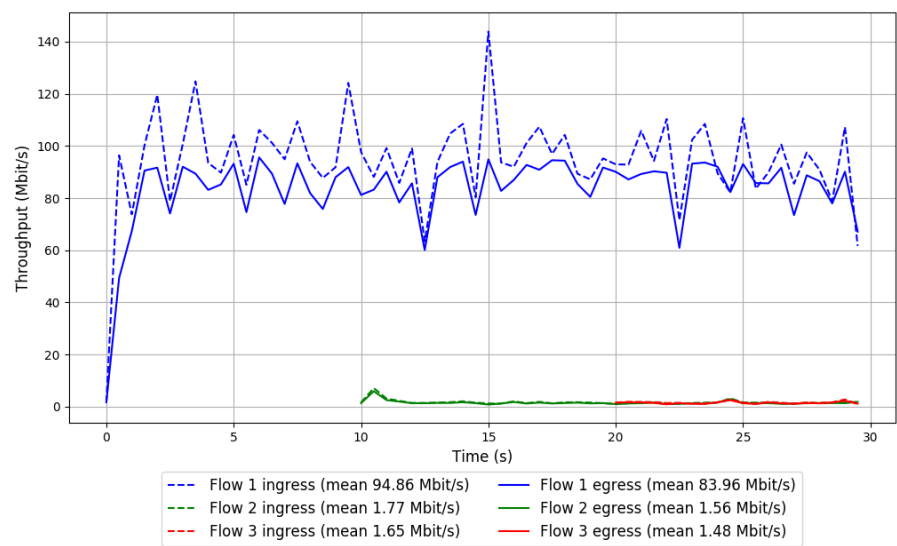
-- Flow 3:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 31.971 ms

Loss rate: 10.43%

Run 10: Report of Vivace-loss — Data Link

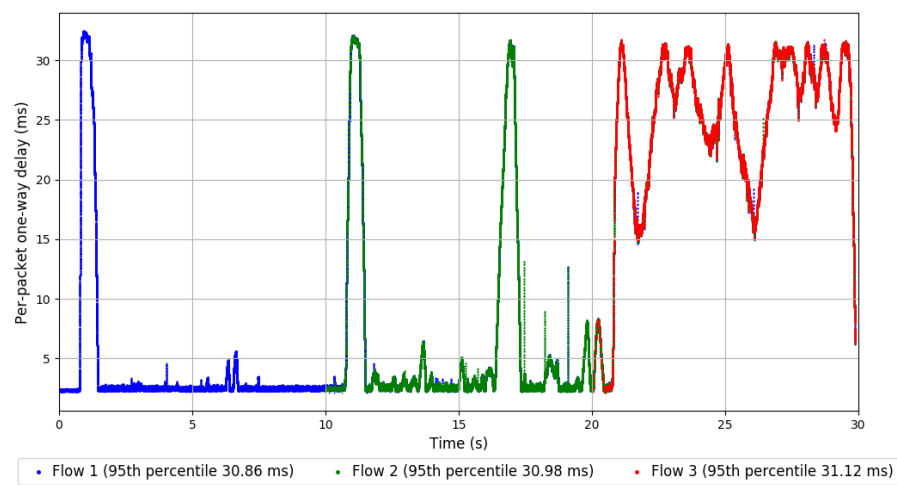
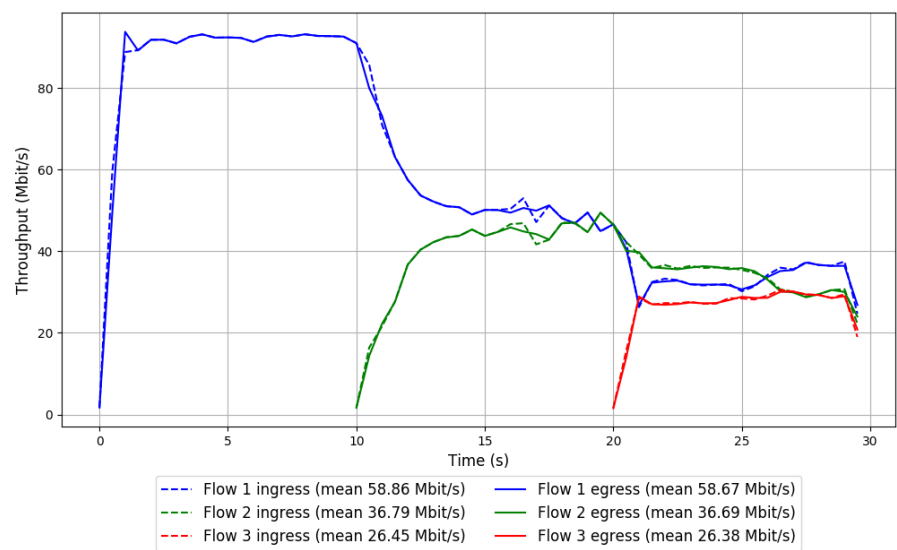


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-17 02:27:24
End at: 2018-01-17 02:27:54
Local clock offset: 0.438 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-01-17 06:45:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 30.975 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 30.856 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 30.981 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.23%

Run 1: Report of Vivace-LTE — Data Link

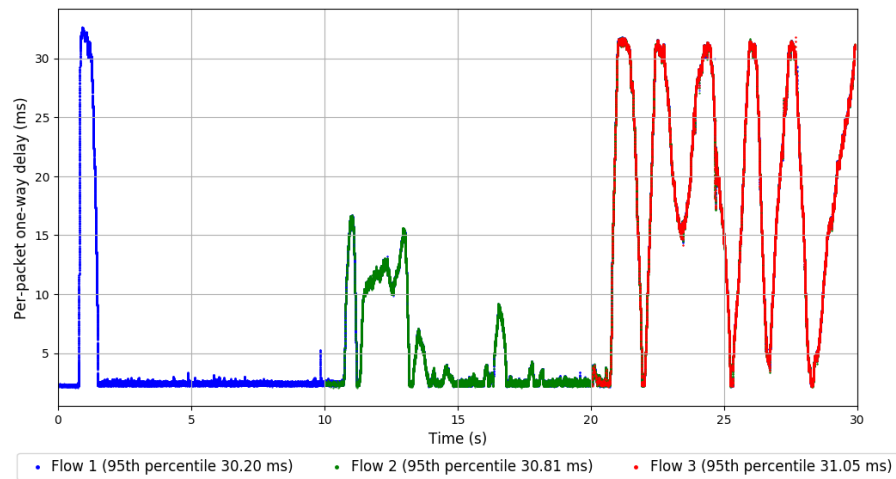
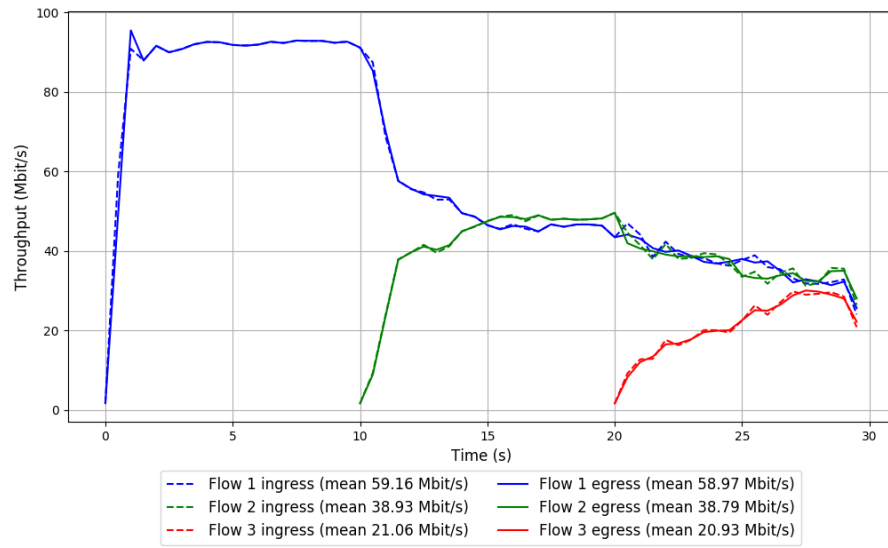


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-17 02:48:06
End at: 2018-01-17 02:48:36
Local clock offset: 0.45 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-01-17 06:46:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 30.734 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 30.200 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 30.807 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 31.049 ms
Loss rate: 0.37%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-17 03:08:50

End at: 2018-01-17 03:09:20

Local clock offset: 0.426 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-01-17 06:46:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.65 Mbit/s

95th percentile per-packet one-way delay: 29.983 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 57.26 Mbit/s

95th percentile per-packet one-way delay: 29.088 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 29.873 ms

Loss rate: 0.07%

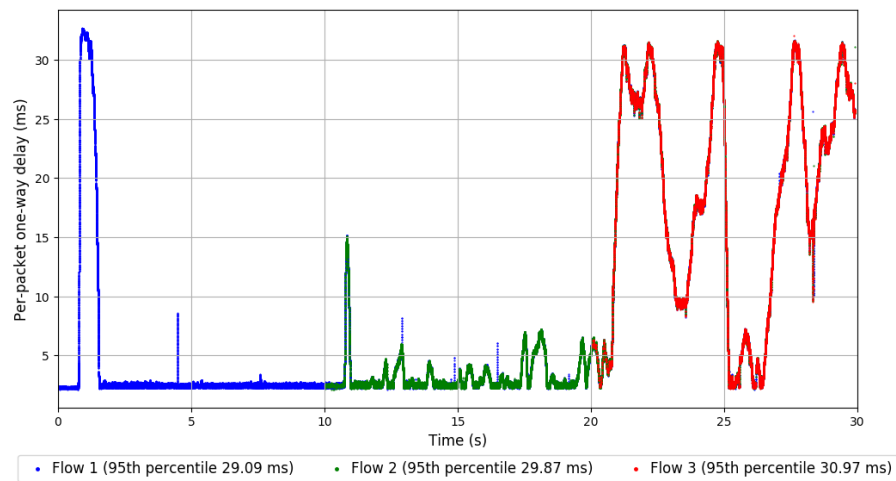
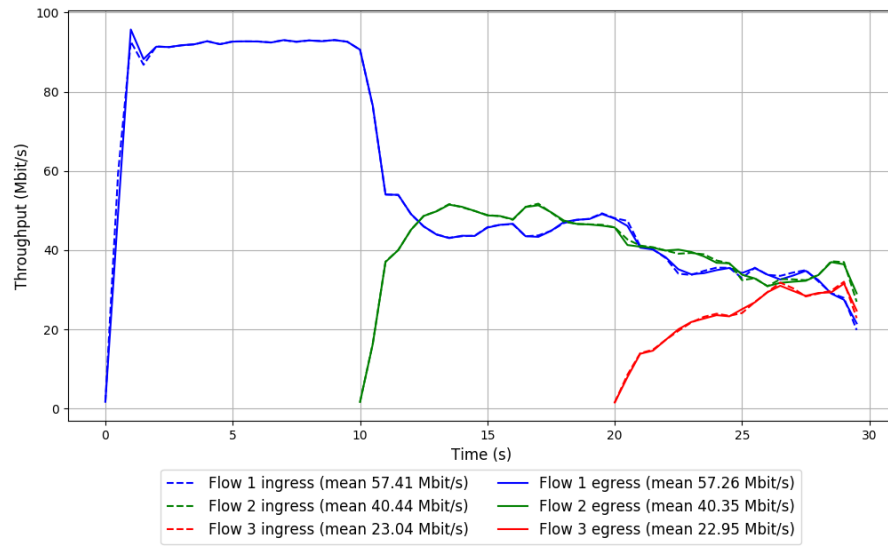
-- Flow 3:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 30.974 ms

Loss rate: 0.15%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-17 03:29:31

End at: 2018-01-17 03:30:01

Local clock offset: 0.376 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2018-01-17 06:46:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.81 Mbit/s

95th percentile per-packet one-way delay: 30.708 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 27.877 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 42.37 Mbit/s

95th percentile per-packet one-way delay: 31.017 ms

Loss rate: 0.44%

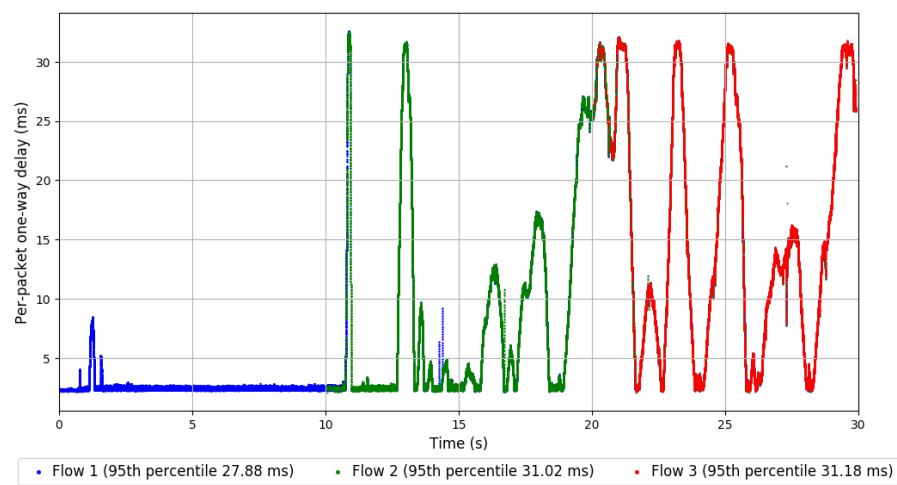
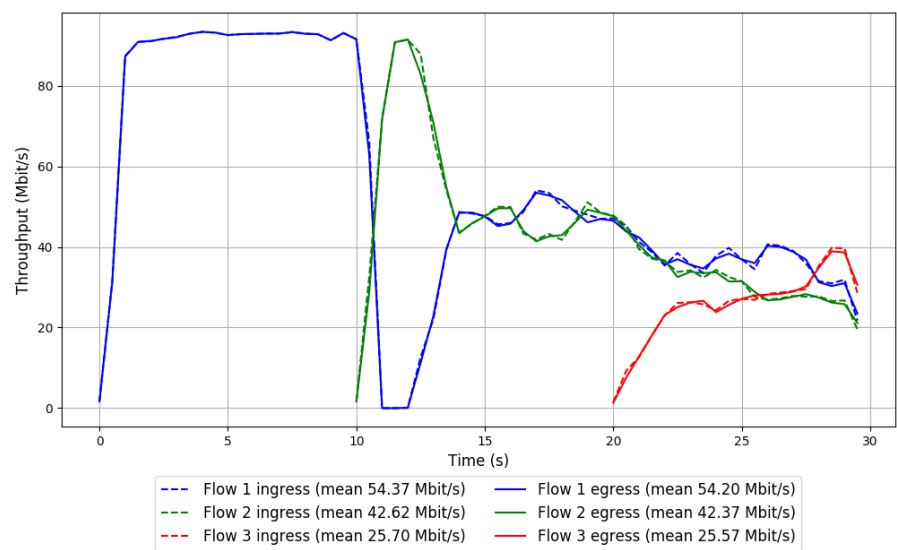
-- Flow 3:

Average throughput: 25.57 Mbit/s

95th percentile per-packet one-way delay: 31.180 ms

Loss rate: 0.49%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-17 03:50:14

End at: 2018-01-17 03:50:44

Local clock offset: 0.346 ms

Remote clock offset: 1.258 ms

Below is generated by plot.py at 2018-01-17 06:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 31.048 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 30.859 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 31.096 ms

Loss rate: 0.39%

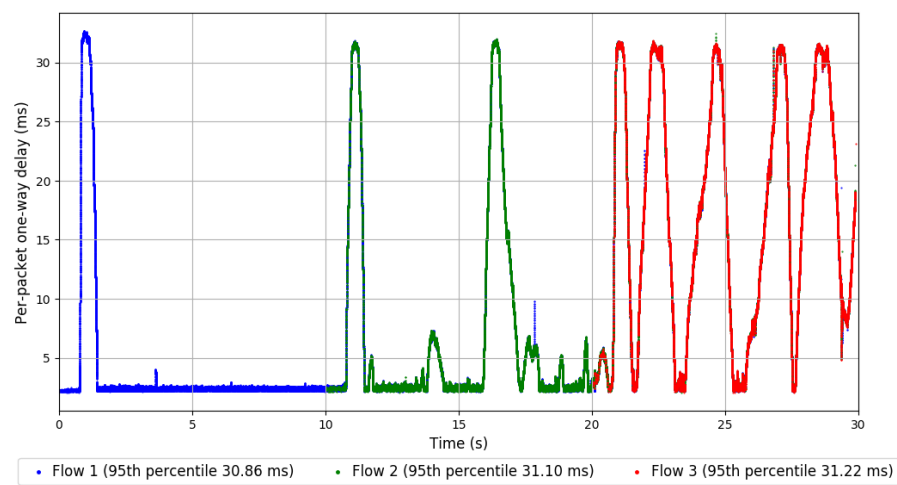
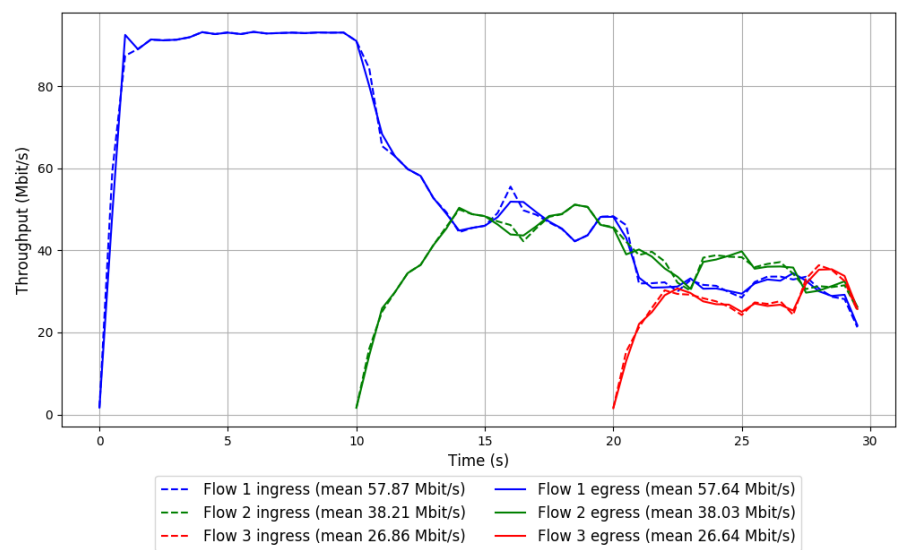
-- Flow 3:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 31.220 ms

Loss rate: 0.60%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-17 04:10:59

End at: 2018-01-17 04:11:29

Local clock offset: 0.362 ms

Remote clock offset: 1.747 ms

Below is generated by plot.py at 2018-01-17 06:46:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 30.913 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 30.727 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 38.21 Mbit/s

95th percentile per-packet one-way delay: 30.936 ms

Loss rate: 0.27%

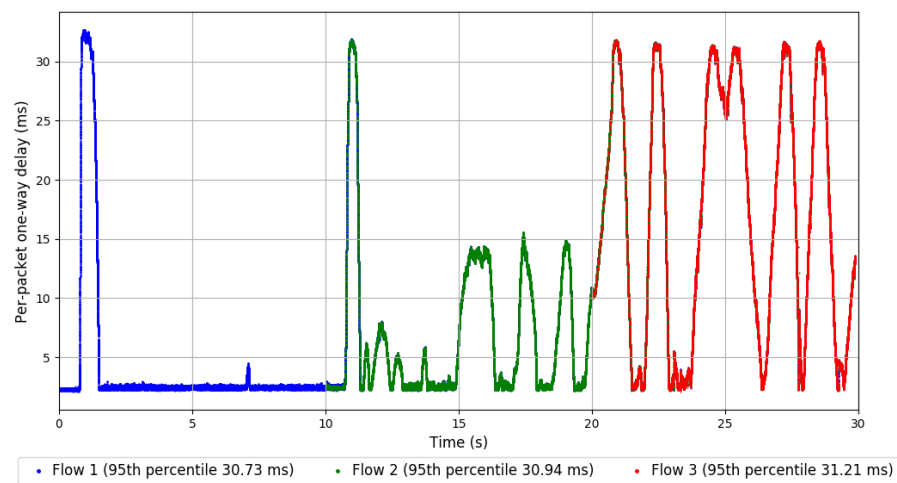
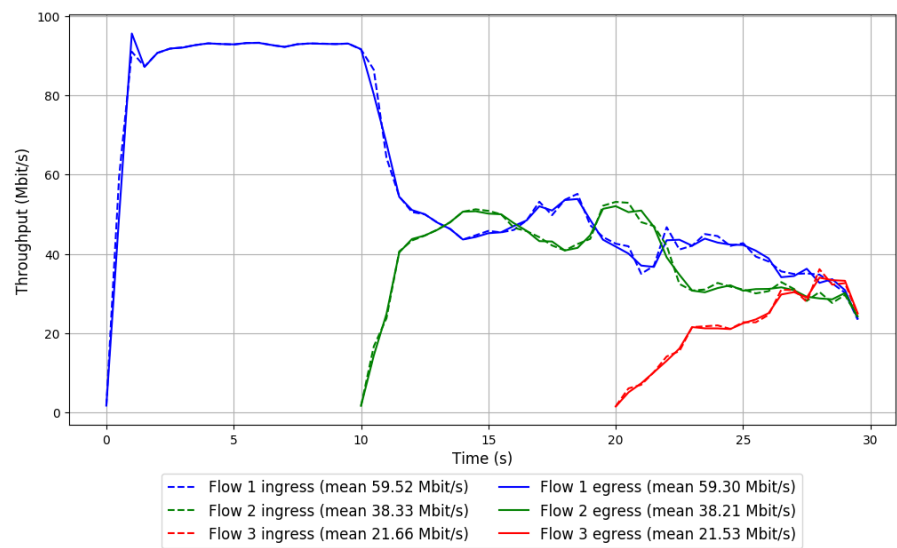
-- Flow 3:

Average throughput: 21.53 Mbit/s

95th percentile per-packet one-way delay: 31.207 ms

Loss rate: 0.57%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 04:31:43

End at: 2018-01-17 04:32:13

Local clock offset: 0.289 ms

Remote clock offset: 1.742 ms

Below is generated by plot.py at 2018-01-17 06:47:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 30.778 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 29.682 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.08 Mbit/s

95th percentile per-packet one-way delay: 30.940 ms

Loss rate: 0.20%

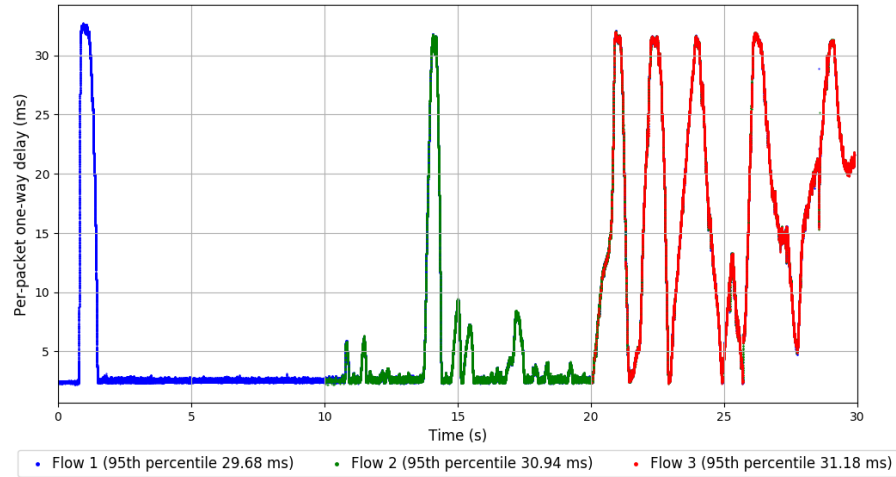
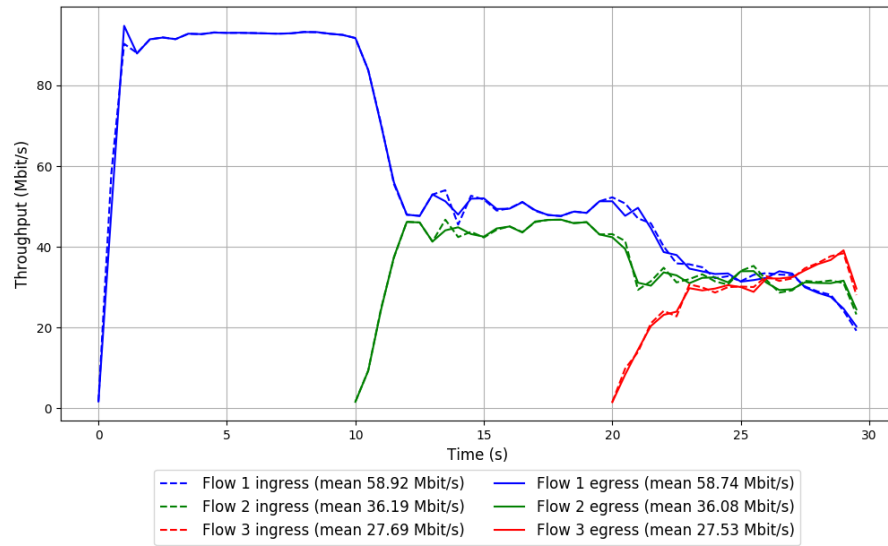
-- Flow 3:

Average throughput: 27.53 Mbit/s

95th percentile per-packet one-way delay: 31.182 ms

Loss rate: 0.37%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 04:52:27

End at: 2018-01-17 04:52:57

Local clock offset: 0.292 ms

Remote clock offset: 1.511 ms

Below is generated by plot.py at 2018-01-17 06:47:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 30.970 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 56.36 Mbit/s

95th percentile per-packet one-way delay: 30.398 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 42.86 Mbit/s

95th percentile per-packet one-way delay: 31.117 ms

Loss rate: 0.33%

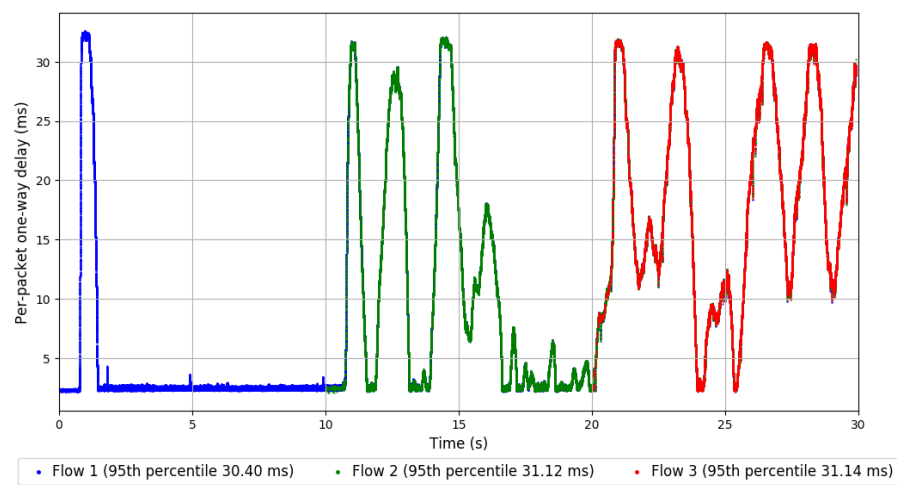
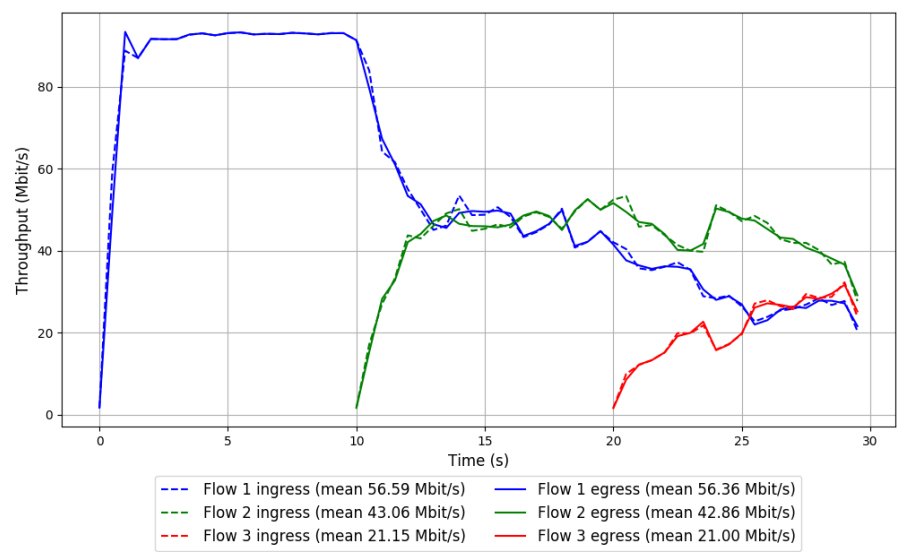
-- Flow 3:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 31.143 ms

Loss rate: 0.40%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 05:13:10

End at: 2018-01-17 05:13:40

Local clock offset: 0.311 ms

Remote clock offset: 1.238 ms

Below is generated by plot.py at 2018-01-17 06:47:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 30.980 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 30.801 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 38.49 Mbit/s

95th percentile per-packet one-way delay: 31.078 ms

Loss rate: 0.27%

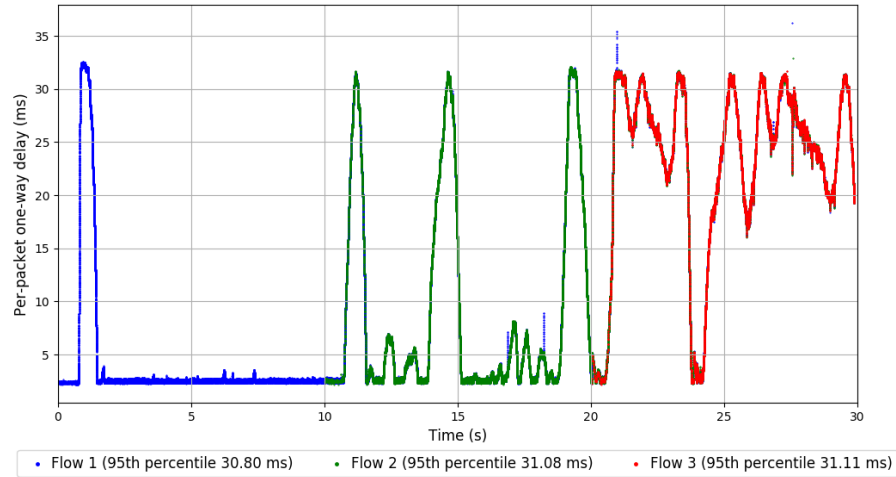
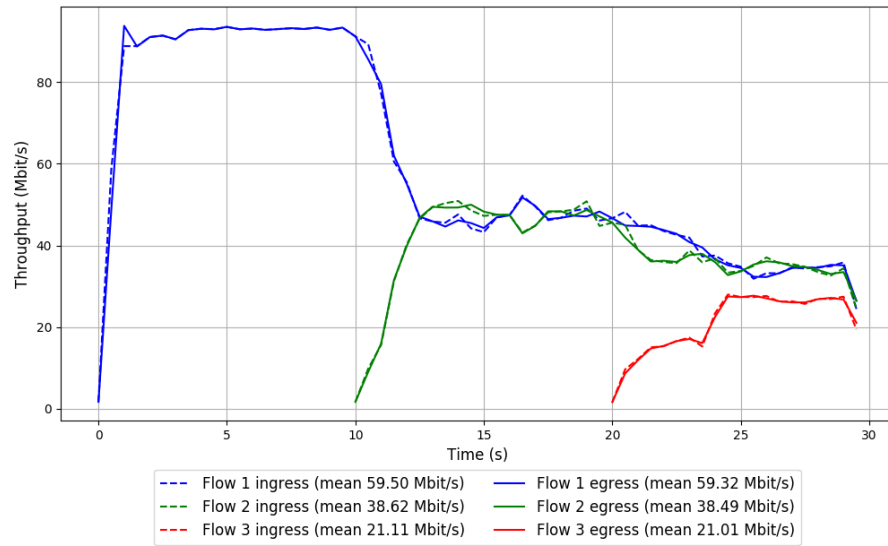
-- Flow 3:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 31.112 ms

Loss rate: 0.33%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 05:33:54

End at: 2018-01-17 05:34:24

Local clock offset: 0.223 ms

Remote clock offset: 0.782 ms

Below is generated by plot.py at 2018-01-17 06:47:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 30.244 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 25.870 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 30.989 ms

Loss rate: 0.28%

-- Flow 3:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 31.356 ms

Loss rate: 0.67%

Run 10: Report of Vivace-LTE — Data Link

