

Pantheon Report

Generated at 2017-09-08 07:18:39 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

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

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

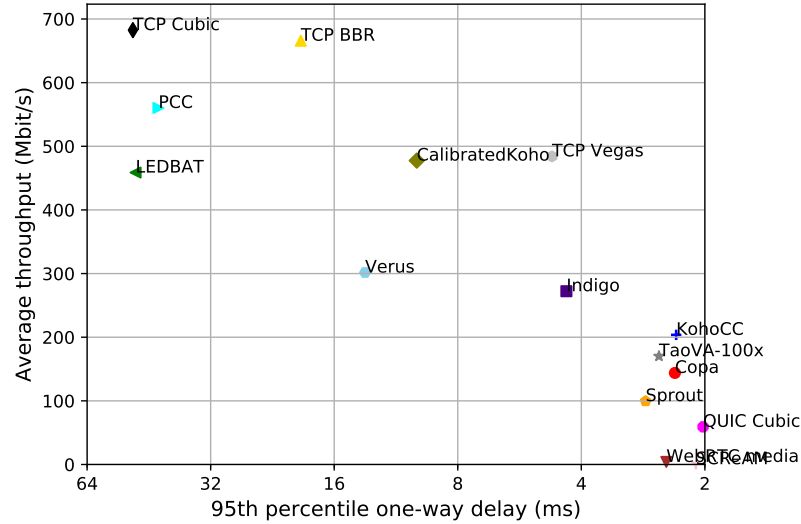
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

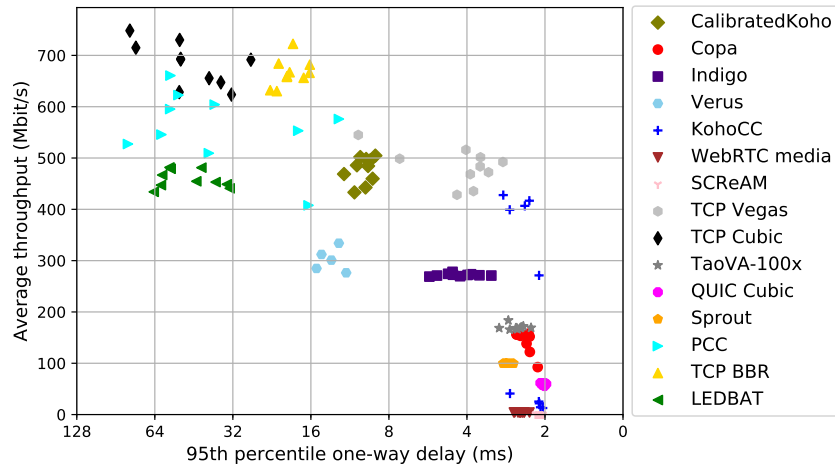
Git summary:

```
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	363.40	320.97	267.49	16.04	19.28	25.95	0.14	0.24	0.30
CalibratedKoho	10	263.23	215.41	212.02	9.25	9.99	12.95	0.02	0.04	0.12
Copa	10	75.54	73.48	80.94	2.24	2.58	2.36	0.01	0.01	0.03
TCP Cubic	10	383.70	321.97	254.74	35.30	28.62	79.11	0.08	0.15	0.34
Indigo	10	149.47	128.97	113.63	3.83	4.92	4.42	0.02	0.03	0.07
KohoCC	10	101.97	110.60	84.53	2.27	2.41	2.29	0.01	0.01	0.02
LEDBAT	10	268.34	213.43	146.49	44.40	48.78	48.83	0.08	0.13	0.41
PCC	10	419.98	152.60	118.04	46.43	9.63	6.05	3.04	0.62	0.16
QUIC Cubic	10	1.18	61.62	54.13	2.20	2.02	2.03	0.00	0.02	0.03
SCReAM	10	0.22	0.22	0.22	2.11	2.09	2.09	0.00	0.04	0.07
Sprout	10	50.00	49.93	49.71	2.74	2.86	2.84	0.03	0.02	0.02
TaoVA-100x	10	90.77	87.00	83.02	2.39	2.55	3.31	0.02	0.04	0.08
TCP Vegas	10	269.93	219.14	206.12	4.14	4.17	6.46	0.01	0.01	0.04
Verus	5	144.64	150.84	122.85	13.97	13.43	11.60	0.39	0.11	0.10
WebRTC media	10	2.26	1.39	0.46	2.44	2.62	2.56	0.00	0.00	0.08

Run 1: Statistics of TCP BBR

Start at: 2017-09-07 21:59:06

End at: 2017-09-07 21:59:37

Local clock offset: -3.199 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2017-09-08 06:28:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 684.11 Mbit/s

95th percentile per-packet one-way delay: 21.302 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 422.99 Mbit/s

95th percentile per-packet one-way delay: 16.110 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 242.10 Mbit/s

95th percentile per-packet one-way delay: 20.929 ms

Loss rate: 0.03%

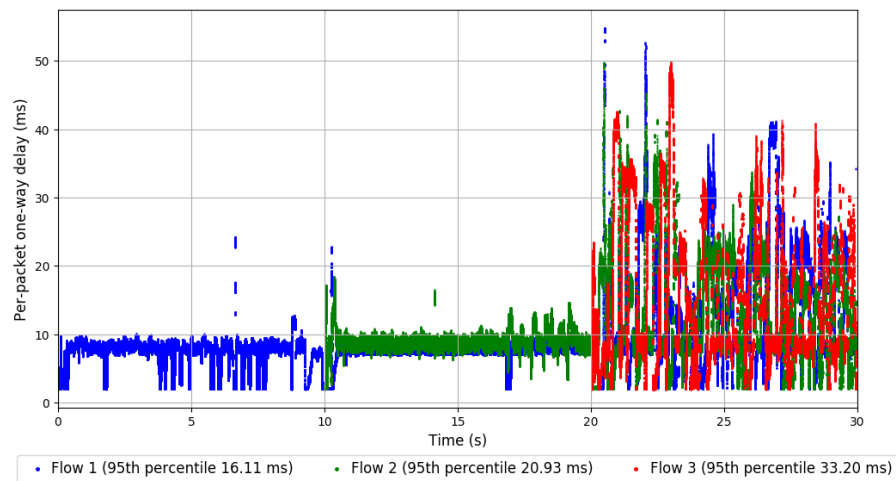
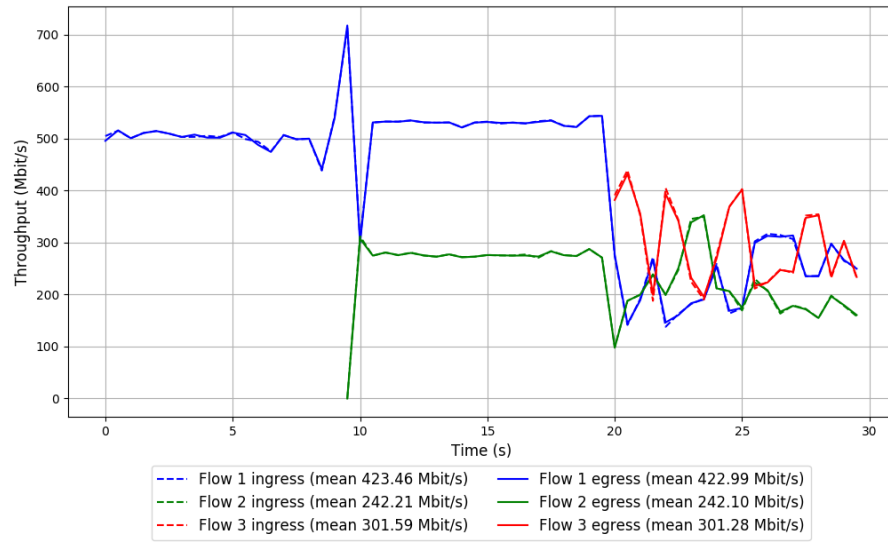
-- Flow 3:

Average throughput: 301.28 Mbit/s

95th percentile per-packet one-way delay: 33.201 ms

Loss rate: 0.07%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-07 22:19:19

End at: 2017-09-07 22:19:49

Local clock offset: -3.279 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2017-09-08 06:28:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 722.55 Mbit/s

95th percentile per-packet one-way delay: 18.755 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 384.45 Mbit/s

95th percentile per-packet one-way delay: 15.245 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 366.21 Mbit/s

95th percentile per-packet one-way delay: 17.243 ms

Loss rate: 0.13%

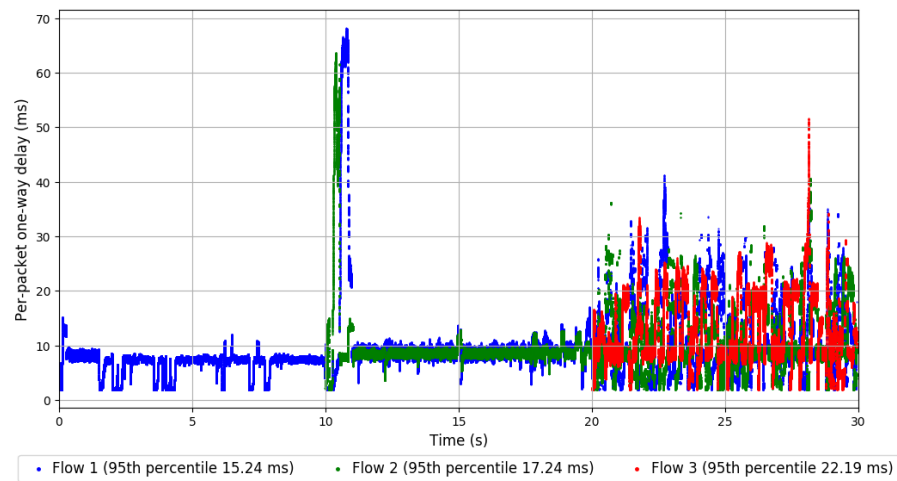
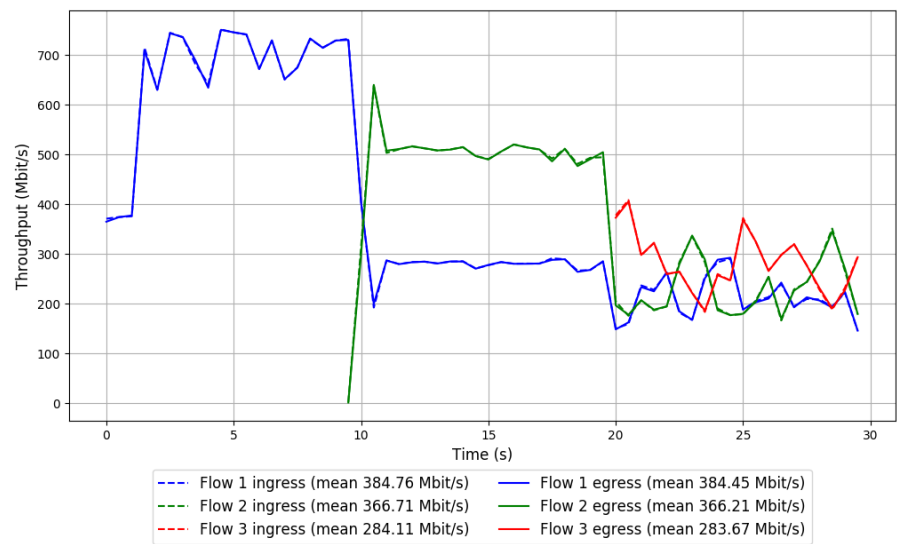
-- Flow 3:

Average throughput: 283.67 Mbit/s

95th percentile per-packet one-way delay: 22.188 ms

Loss rate: 0.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-07 22:39:28

End at: 2017-09-07 22:39:58

Local clock offset: -3.356 ms

Remote clock offset: 0.765 ms

Below is generated by plot.py at 2017-09-08 06:30:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 667.18 Mbit/s

95th percentile per-packet one-way delay: 19.328 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 323.72 Mbit/s

95th percentile per-packet one-way delay: 17.274 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 372.58 Mbit/s

95th percentile per-packet one-way delay: 17.174 ms

Loss rate: 0.09%

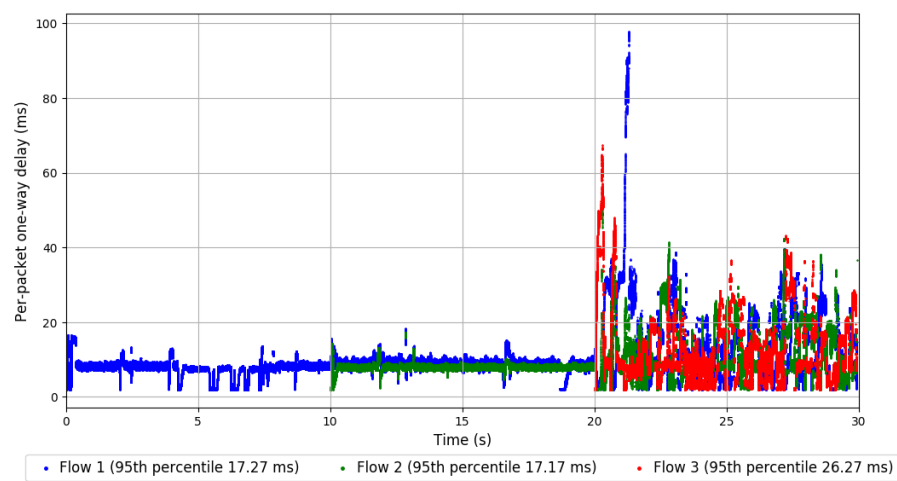
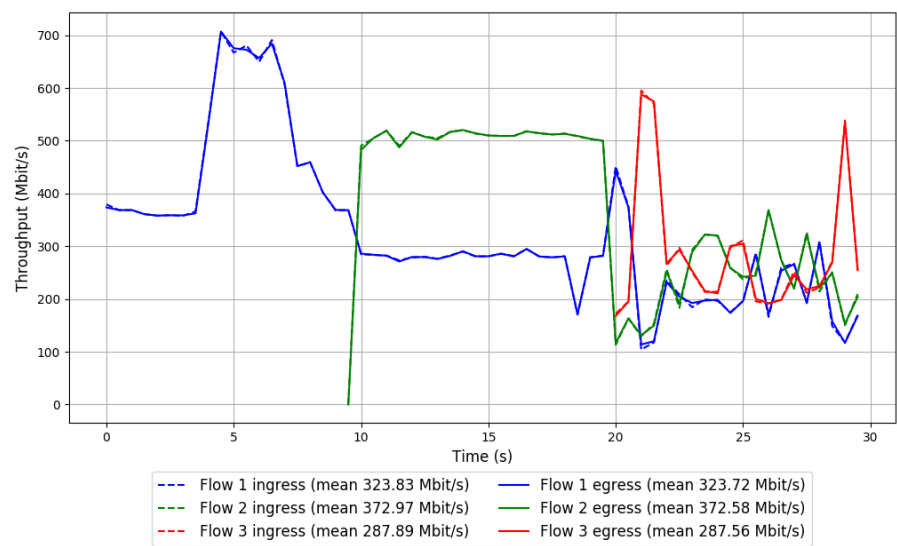
-- Flow 3:

Average throughput: 287.56 Mbit/s

95th percentile per-packet one-way delay: 26.269 ms

Loss rate: 0.16%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-07 22:59:57

End at: 2017-09-07 23:00:27

Local clock offset: -3.452 ms

Remote clock offset: 0.947 ms

Below is generated by plot.py at 2017-09-08 06:30:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 630.38 Mbit/s

95th percentile per-packet one-way delay: 21.651 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 351.73 Mbit/s

95th percentile per-packet one-way delay: 17.961 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 272.80 Mbit/s

95th percentile per-packet one-way delay: 23.376 ms

Loss rate: 0.34%

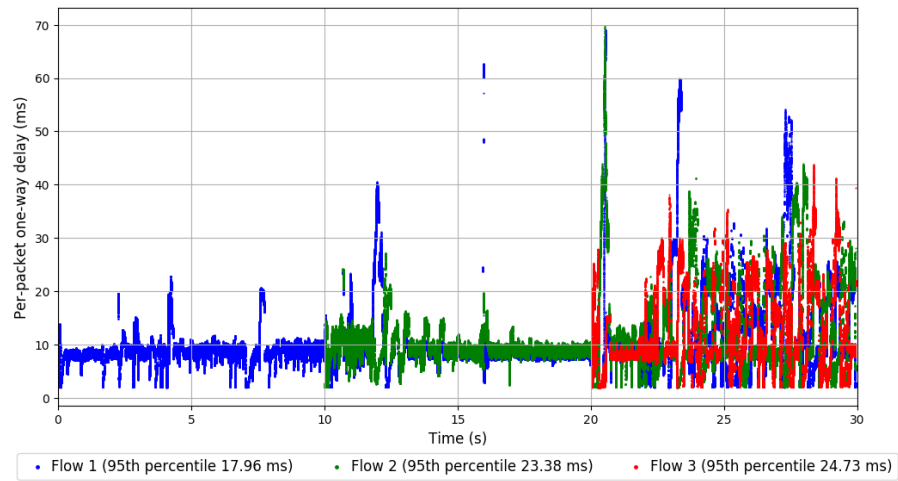
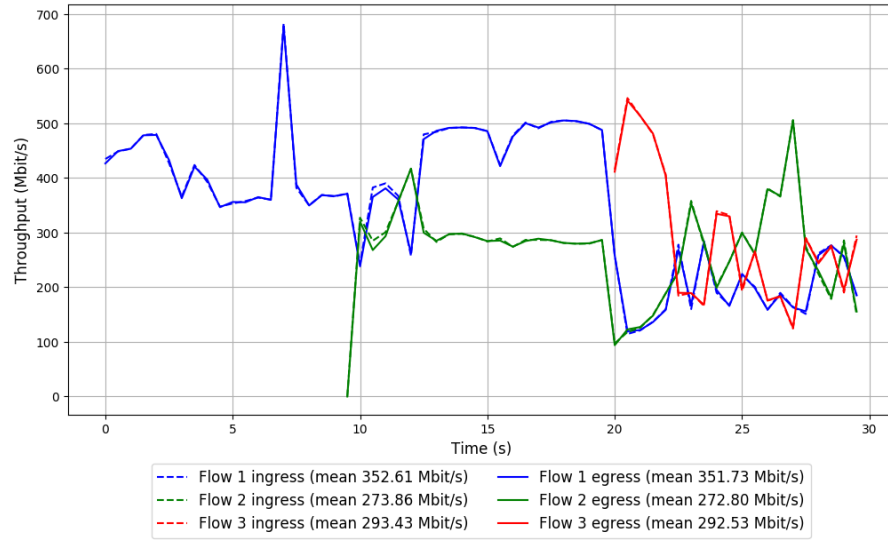
-- Flow 3:

Average throughput: 292.53 Mbit/s

95th percentile per-packet one-way delay: 24.729 ms

Loss rate: 0.17%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-07 23:19:55

End at: 2017-09-07 23:20:25

Local clock offset: -3.731 ms

Remote clock offset: 1.048 ms

Below is generated by plot.py at 2017-09-08 06:31:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 632.17 Mbit/s

95th percentile per-packet one-way delay: 22.958 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 329.92 Mbit/s

95th percentile per-packet one-way delay: 19.554 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 318.47 Mbit/s

95th percentile per-packet one-way delay: 22.653 ms

Loss rate: 0.11%

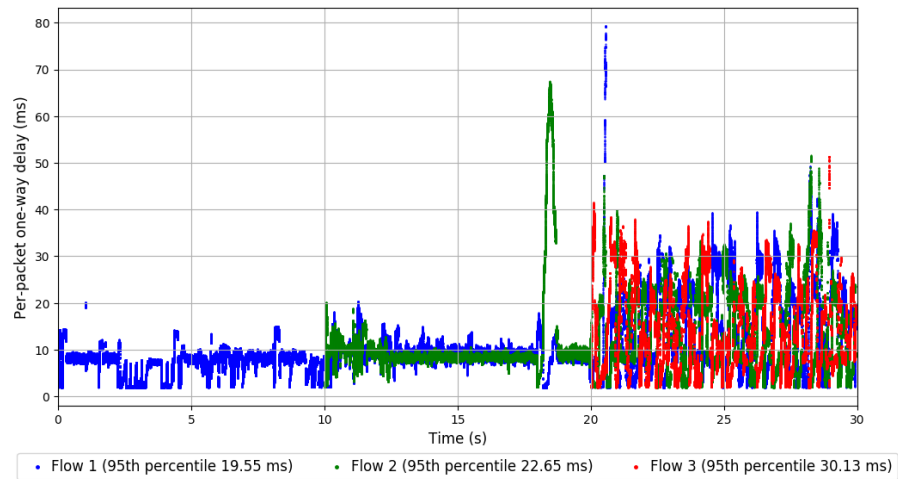
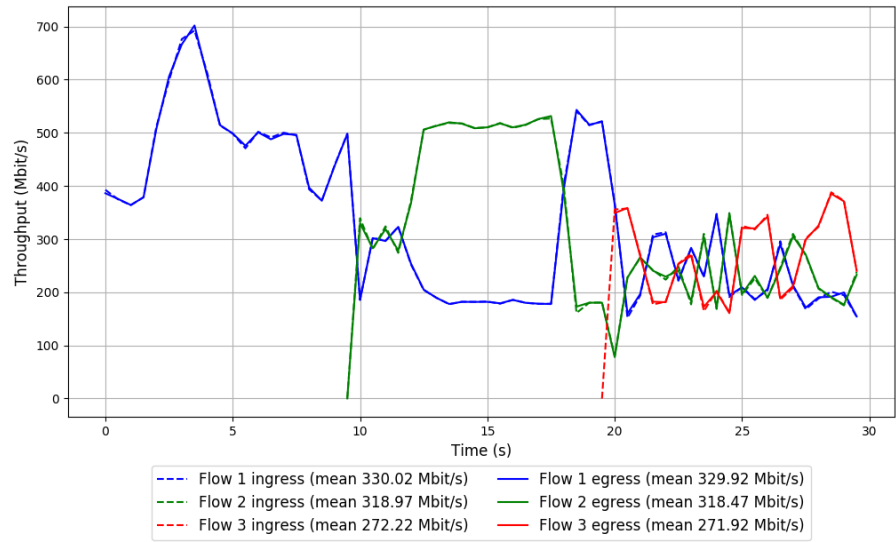
-- Flow 3:

Average throughput: 271.92 Mbit/s

95th percentile per-packet one-way delay: 30.127 ms

Loss rate: 0.14%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-07 23:39:54

End at: 2017-09-07 23:40:24

Local clock offset: -3.521 ms

Remote clock offset: 1.091 ms

Below is generated by plot.py at 2017-09-08 06:31:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 659.56 Mbit/s

95th percentile per-packet one-way delay: 19.774 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 394.37 Mbit/s

95th percentile per-packet one-way delay: 16.651 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 275.42 Mbit/s

95th percentile per-packet one-way delay: 20.319 ms

Loss rate: 0.45%

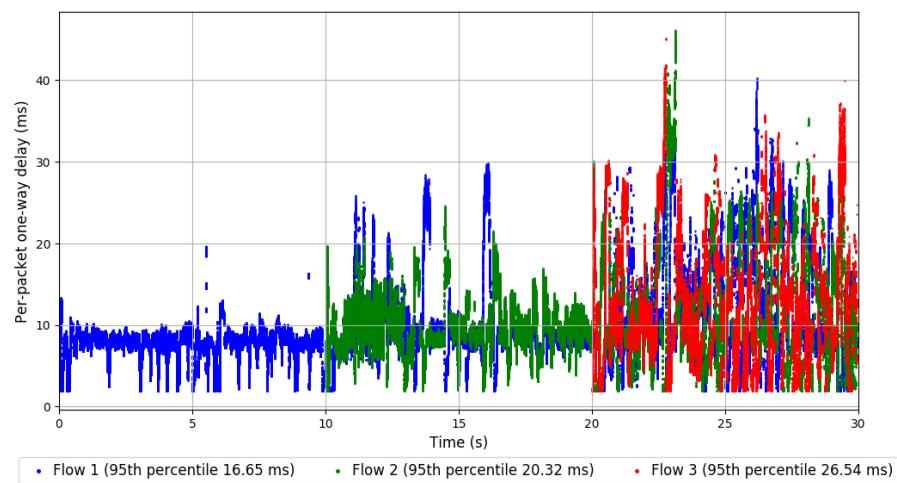
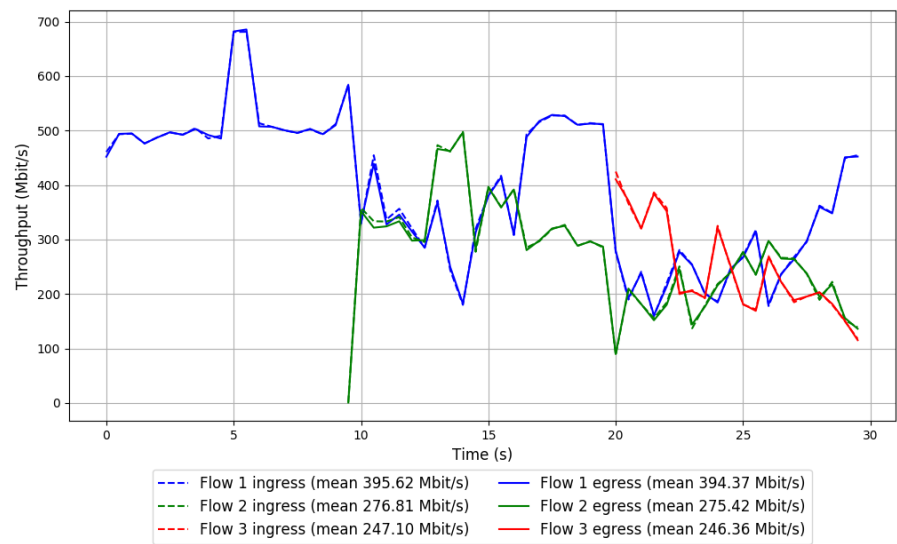
-- Flow 3:

Average throughput: 246.36 Mbit/s

95th percentile per-packet one-way delay: 26.537 ms

Loss rate: 0.35%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-08 00:00:07

End at: 2017-09-08 00:00:37

Local clock offset: -3.238 ms

Remote clock offset: 0.997 ms

Below is generated by plot.py at 2017-09-08 06:32:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 656.34 Mbit/s

95th percentile per-packet one-way delay: 17.063 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 361.26 Mbit/s

95th percentile per-packet one-way delay: 14.192 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 329.04 Mbit/s

95th percentile per-packet one-way delay: 17.649 ms

Loss rate: 0.39%

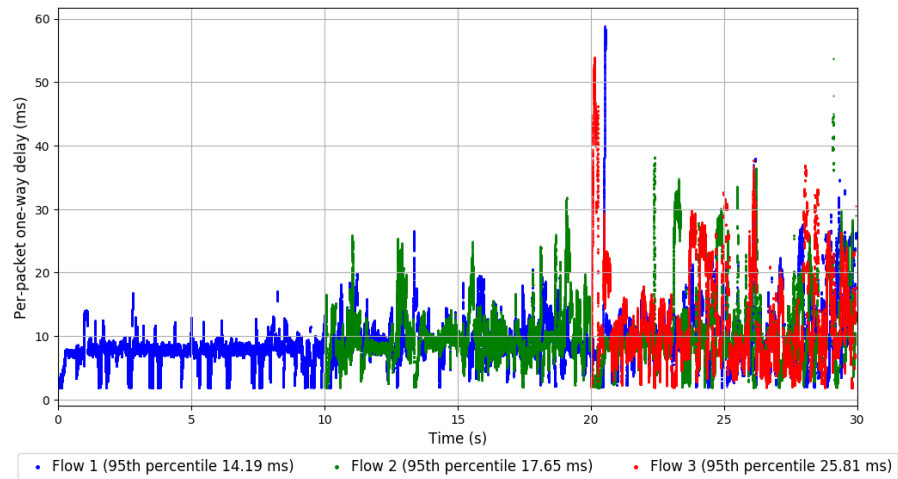
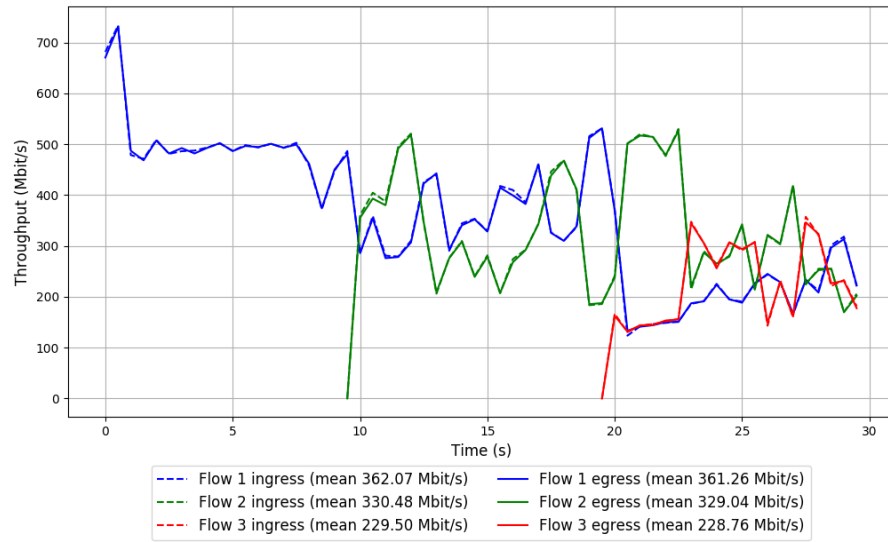
-- Flow 3:

Average throughput: 228.76 Mbit/s

95th percentile per-packet one-way delay: 25.807 ms

Loss rate: 0.26%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-09-08 00:20:31

End at: 2017-09-08 00:21:01

Local clock offset: -3.202 ms

Remote clock offset: 0.925 ms

Below is generated by plot.py at 2017-09-08 06:33:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 681.96 Mbit/s

95th percentile per-packet one-way delay: 16.157 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 395.90 Mbit/s

95th percentile per-packet one-way delay: 14.113 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 303.20 Mbit/s

95th percentile per-packet one-way delay: 17.539 ms

Loss rate: 0.16%

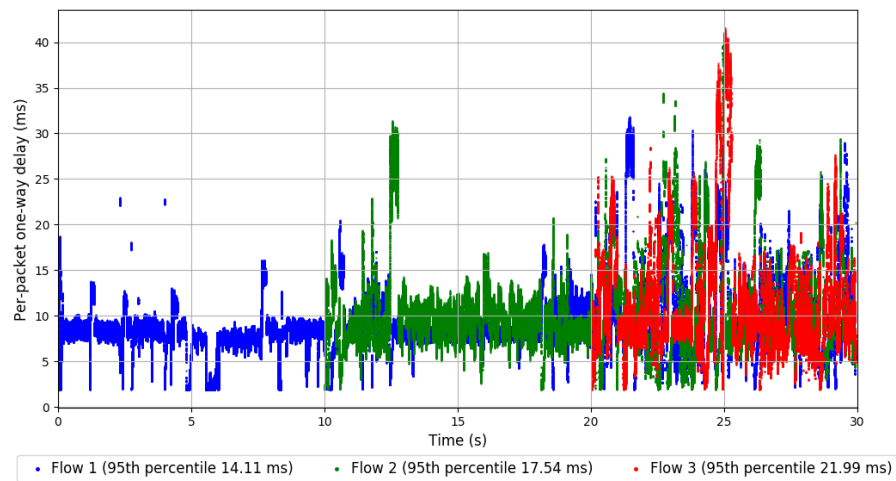
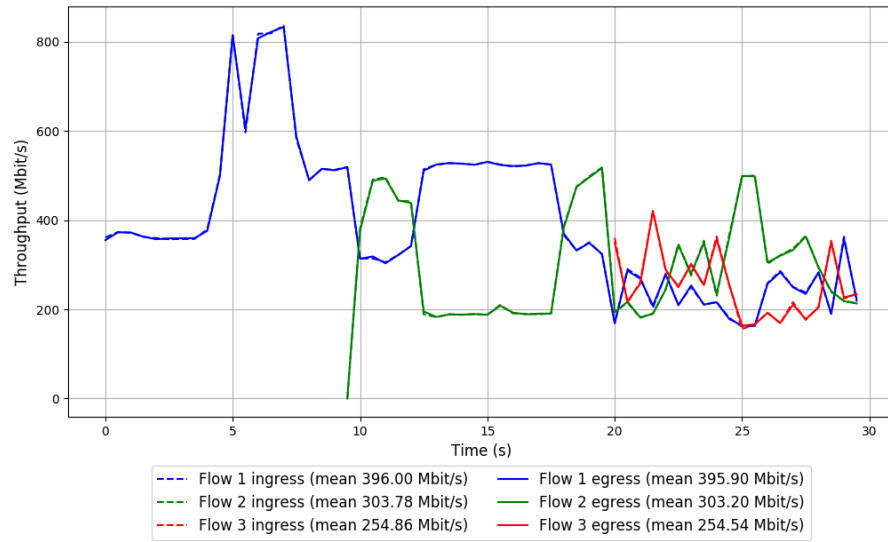
-- Flow 3:

Average throughput: 254.54 Mbit/s

95th percentile per-packet one-way delay: 21.986 ms

Loss rate: 0.29%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-09-08 00:40:32

End at: 2017-09-08 00:41:02

Local clock offset: -3.153 ms

Remote clock offset: 0.926 ms

Below is generated by plot.py at 2017-09-08 06:33:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 658.10 Mbit/s

95th percentile per-packet one-way delay: 19.806 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 325.53 Mbit/s

95th percentile per-packet one-way delay: 16.517 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 348.23 Mbit/s

95th percentile per-packet one-way delay: 19.092 ms

Loss rate: 0.07%

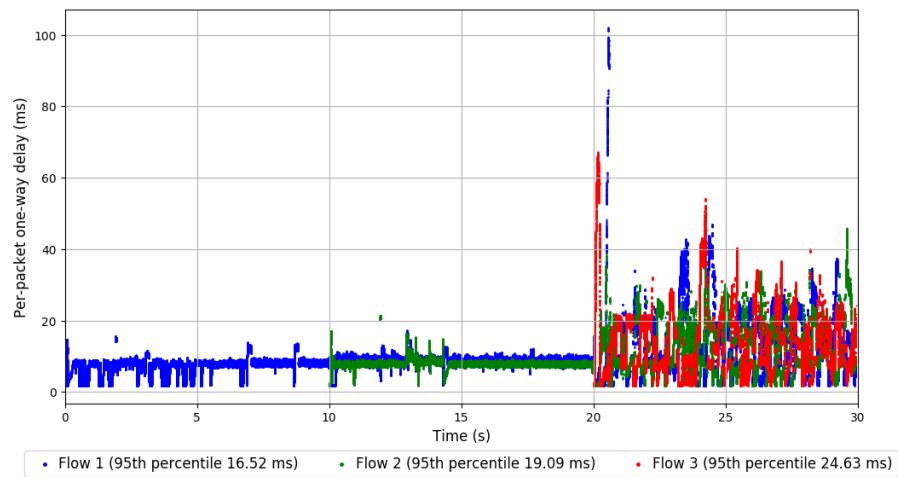
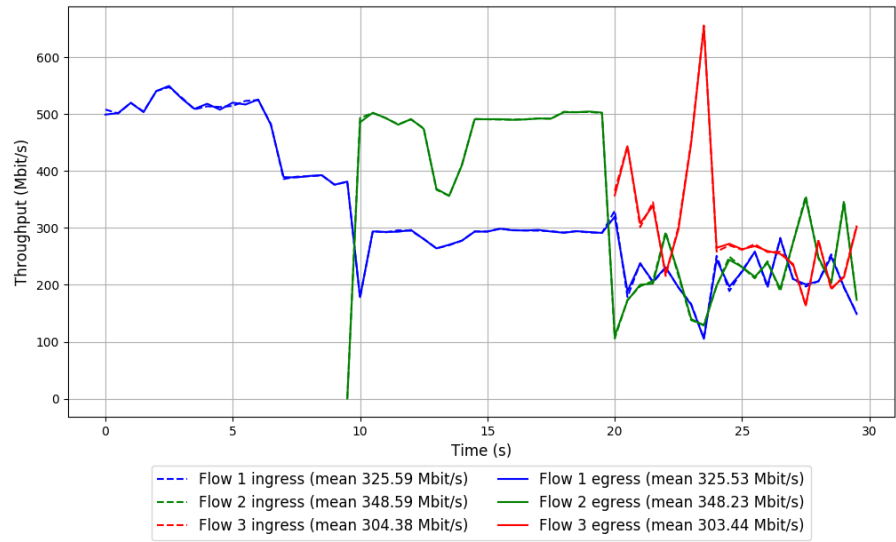
-- Flow 3:

Average throughput: 303.44 Mbit/s

95th percentile per-packet one-way delay: 24.626 ms

Loss rate: 0.17%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-09-08 01:00:35

End at: 2017-09-08 01:01:05

Local clock offset: -3.051 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2017-09-08 06:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 666.07 Mbit/s

95th percentile per-packet one-way delay: 16.190 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 344.12 Mbit/s

95th percentile per-packet one-way delay: 12.808 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 381.61 Mbit/s

95th percentile per-packet one-way delay: 16.874 ms

Loss rate: 0.65%

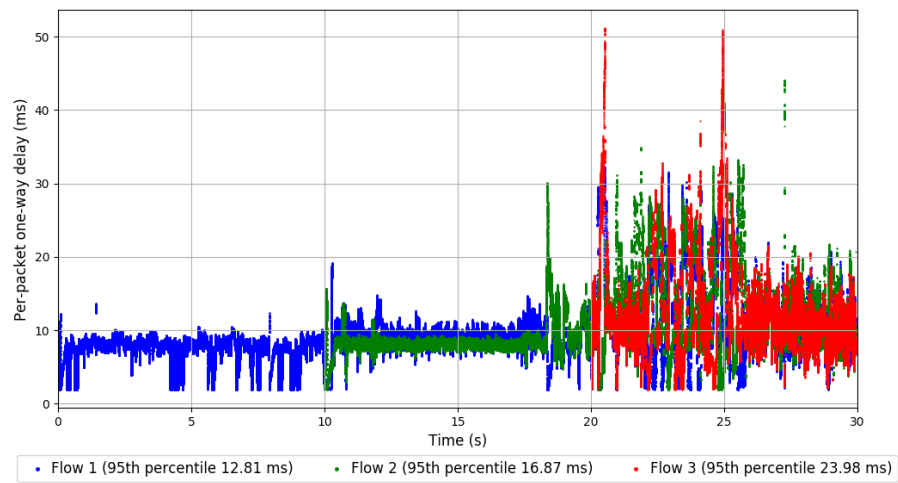
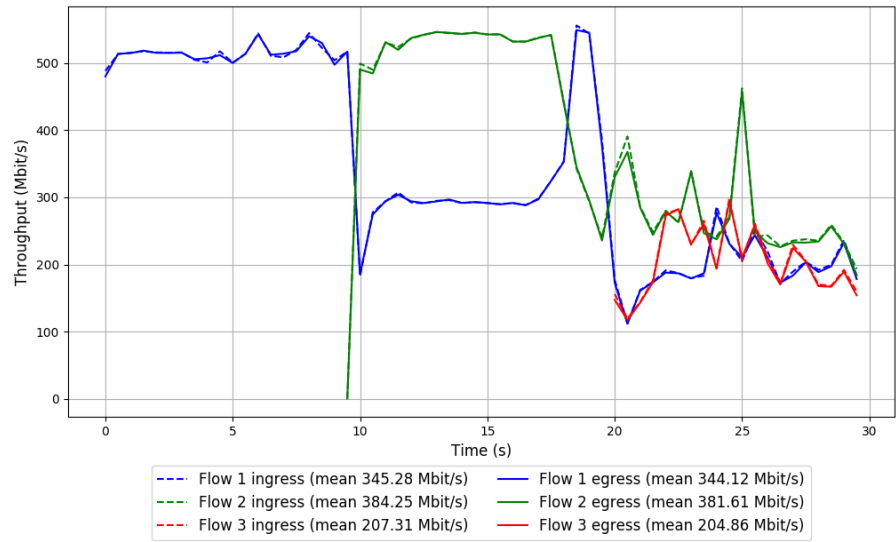
-- Flow 3:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 23.983 ms

Loss rate: 1.24%

Run 10: Report of TCP BBR — Data Link

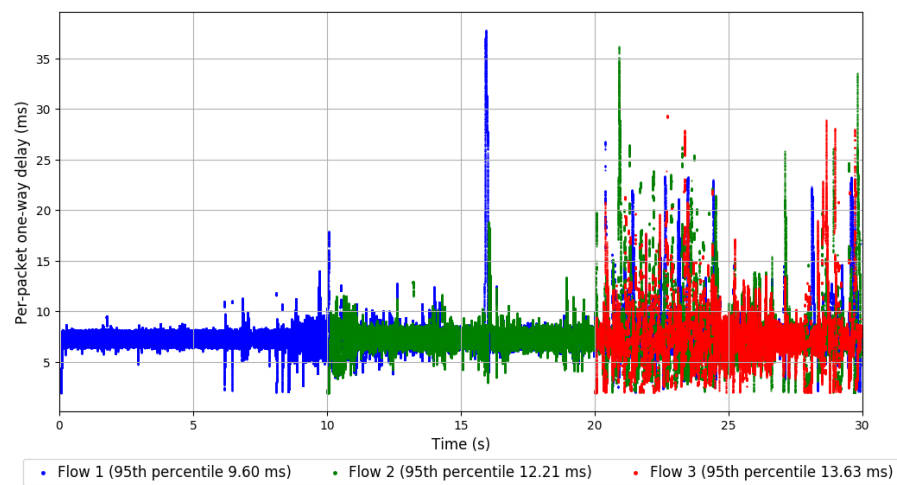
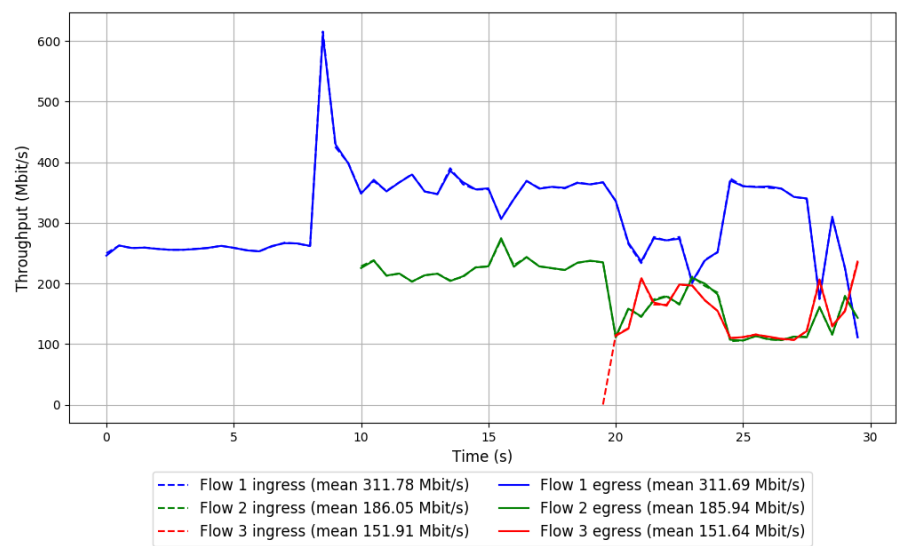


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-07 21:48:39
End at: 2017-09-07 21:49:09
Local clock offset: -3.185 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2017-09-08 06:34:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.80 Mbit/s
95th percentile per-packet one-way delay: 10.630 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 311.69 Mbit/s
95th percentile per-packet one-way delay: 9.598 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 185.94 Mbit/s
95th percentile per-packet one-way delay: 12.208 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 151.64 Mbit/s
95th percentile per-packet one-way delay: 13.633 ms
Loss rate: 0.22%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-09-07 22:09:05

End at: 2017-09-07 22:09:35

Local clock offset: -3.24 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2017-09-08 06:35:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 484.45 Mbit/s

95th percentile per-packet one-way delay: 9.630 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 309.85 Mbit/s

95th percentile per-packet one-way delay: 8.733 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 187.20 Mbit/s

95th percentile per-packet one-way delay: 10.187 ms

Loss rate: 0.04%

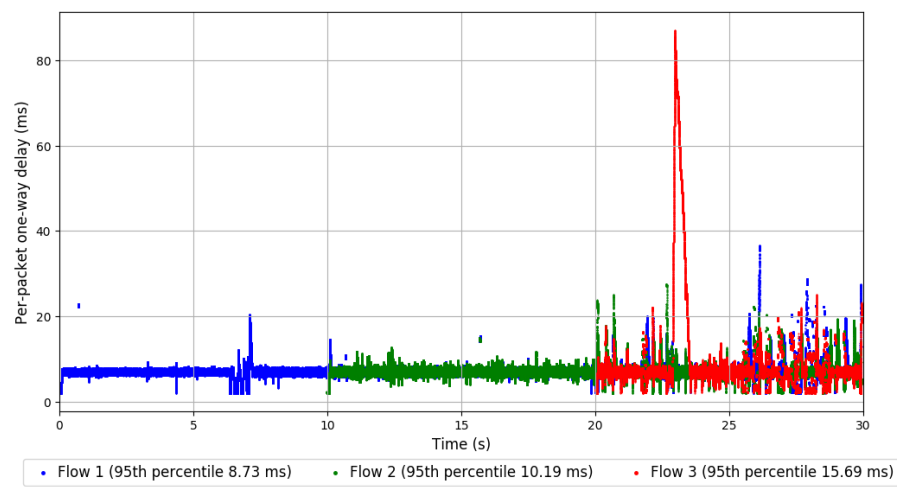
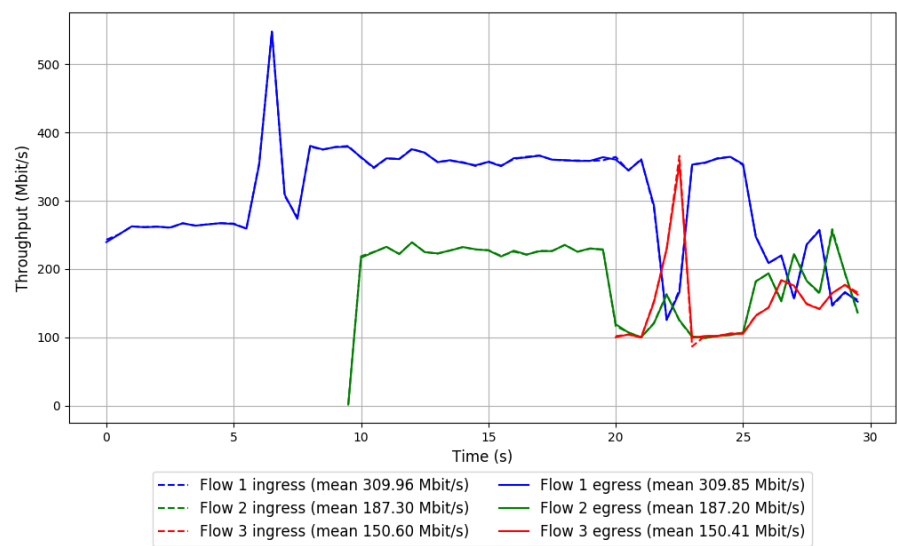
-- Flow 3:

Average throughput: 150.41 Mbit/s

95th percentile per-packet one-way delay: 15.691 ms

Loss rate: 0.17%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: 2017-09-07 22:29:32

End at: 2017-09-07 22:30:02

Local clock offset: -3.388 ms

Remote clock offset: 0.622 ms

Below is generated by plot.py at 2017-09-08 06:35:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.16 Mbit/s

95th percentile per-packet one-way delay: 9.794 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 249.40 Mbit/s

95th percentile per-packet one-way delay: 9.691 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 283.70 Mbit/s

95th percentile per-packet one-way delay: 9.343 ms

Loss rate: 0.03%

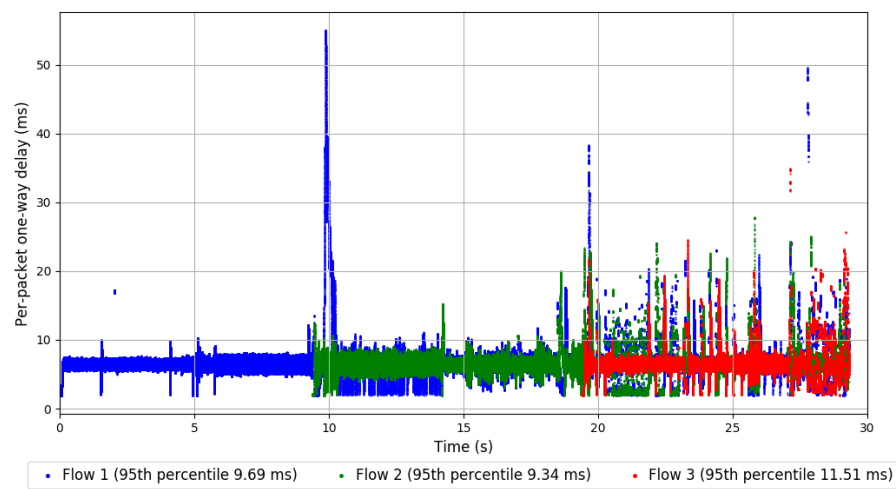
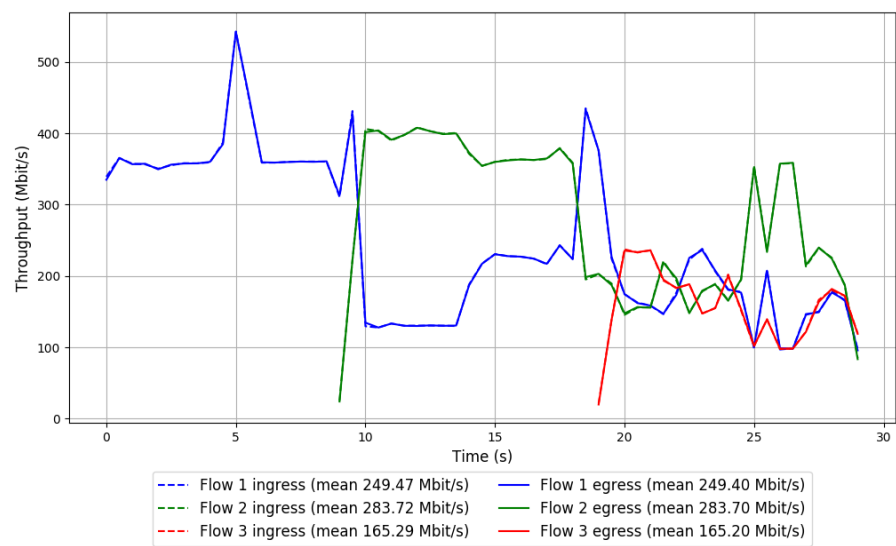
-- Flow 3:

Average throughput: 165.20 Mbit/s

95th percentile per-packet one-way delay: 11.513 ms

Loss rate: 0.11%

Run 3: Report of CalibratedKoho — Data Link

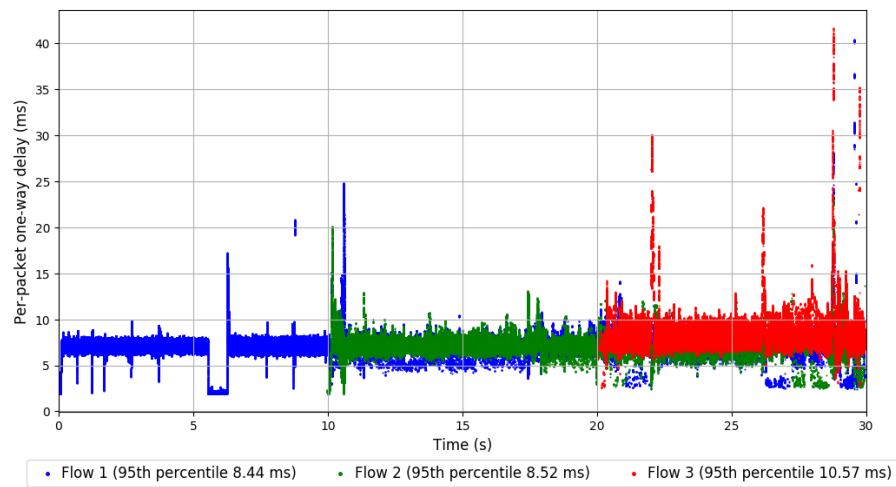
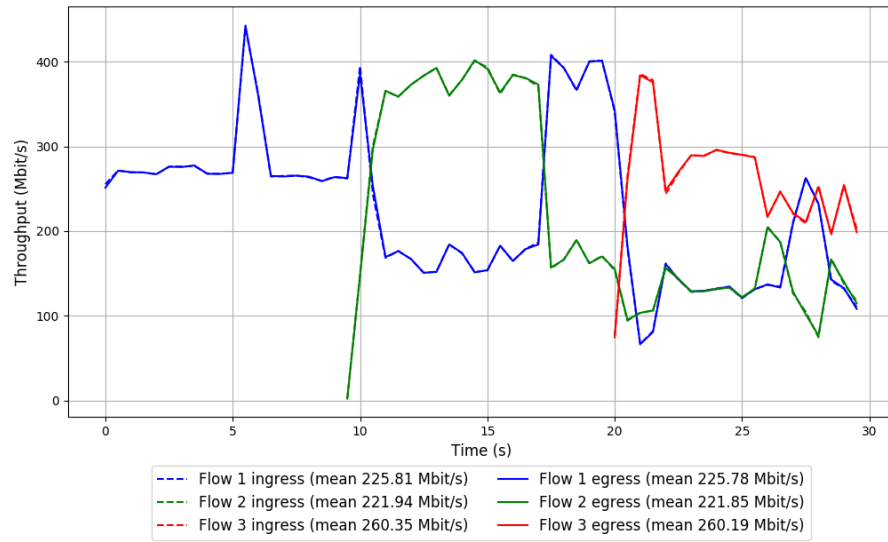


Run 4: Statistics of CalibratedKoho

Start at: 2017-09-07 22:49:31
End at: 2017-09-07 22:50:01
Local clock offset: -3.447 ms
Remote clock offset: 0.854 ms

Below is generated by plot.py at 2017-09-08 06:36:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.72 Mbit/s
95th percentile per-packet one-way delay: 9.246 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 225.78 Mbit/s
95th percentile per-packet one-way delay: 8.442 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 221.85 Mbit/s
95th percentile per-packet one-way delay: 8.520 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 260.19 Mbit/s
95th percentile per-packet one-way delay: 10.569 ms
Loss rate: 0.16%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: 2017-09-07 23:09:53

End at: 2017-09-07 23:10:23

Local clock offset: -3.61 ms

Remote clock offset: 1.004 ms

Below is generated by plot.py at 2017-09-08 06:37:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.65 Mbit/s

95th percentile per-packet one-way delay: 9.024 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 264.81 Mbit/s

95th percentile per-packet one-way delay: 8.709 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 9.398 ms

Loss rate: 0.03%

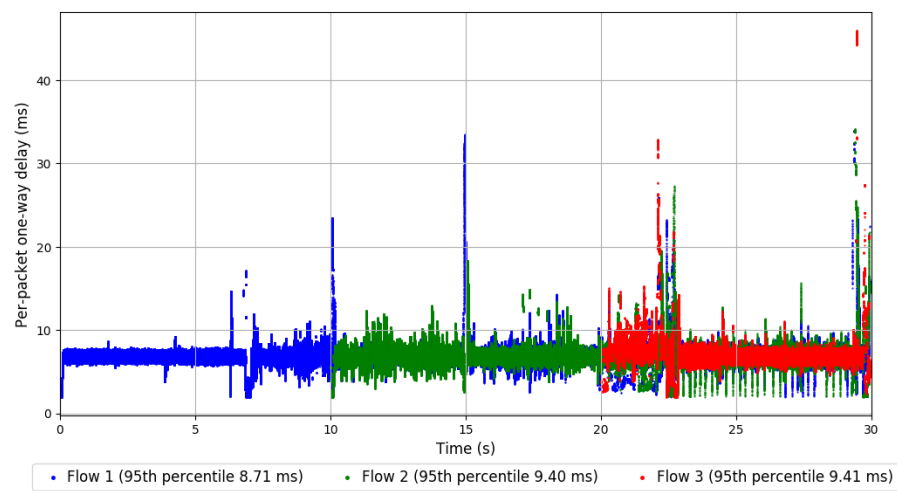
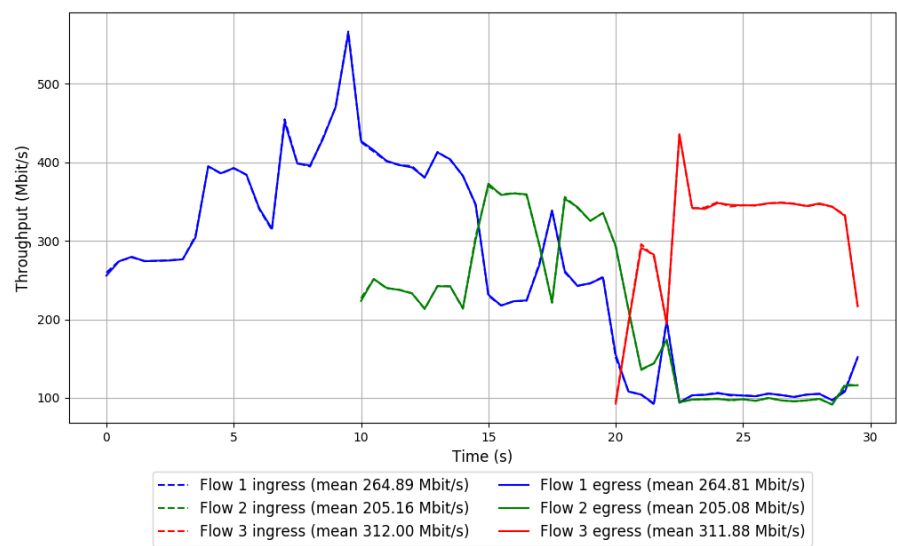
-- Flow 3:

Average throughput: 311.88 Mbit/s

95th percentile per-packet one-way delay: 9.408 ms

Loss rate: 0.06%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: 2017-09-07 23:29:55

End at: 2017-09-07 23:30:25

Local clock offset: -3.585 ms

Remote clock offset: 1.167 ms

Below is generated by plot.py at 2017-09-08 06:37:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 468.75 Mbit/s

95th percentile per-packet one-way delay: 11.919 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 230.78 Mbit/s

95th percentile per-packet one-way delay: 10.385 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 267.50 Mbit/s

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

Loss rate: 0.03%

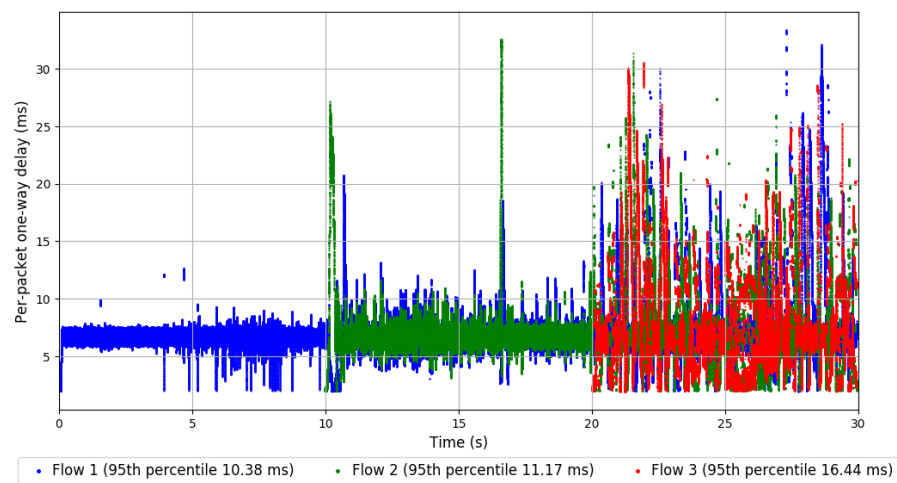
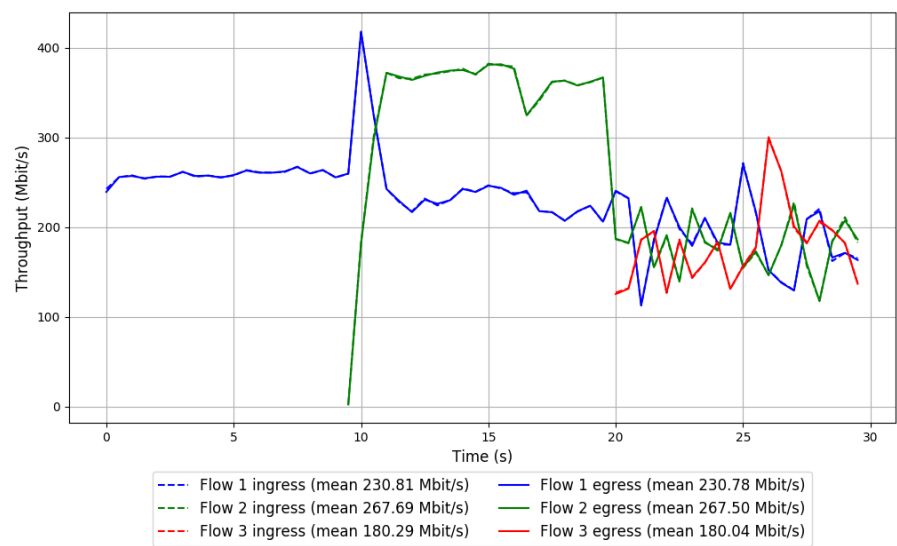
-- Flow 3:

Average throughput: 180.04 Mbit/s

95th percentile per-packet one-way delay: 16.436 ms

Loss rate: 0.08%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-09-07 23:49:52

End at: 2017-09-07 23:50:22

Local clock offset: -3.362 ms

Remote clock offset: 1.006 ms

Below is generated by plot.py at 2017-09-08 06:38:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.87 Mbit/s

95th percentile per-packet one-way delay: 9.419 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 299.12 Mbit/s

95th percentile per-packet one-way delay: 9.149 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 165.94 Mbit/s

95th percentile per-packet one-way delay: 8.671 ms

Loss rate: 0.02%

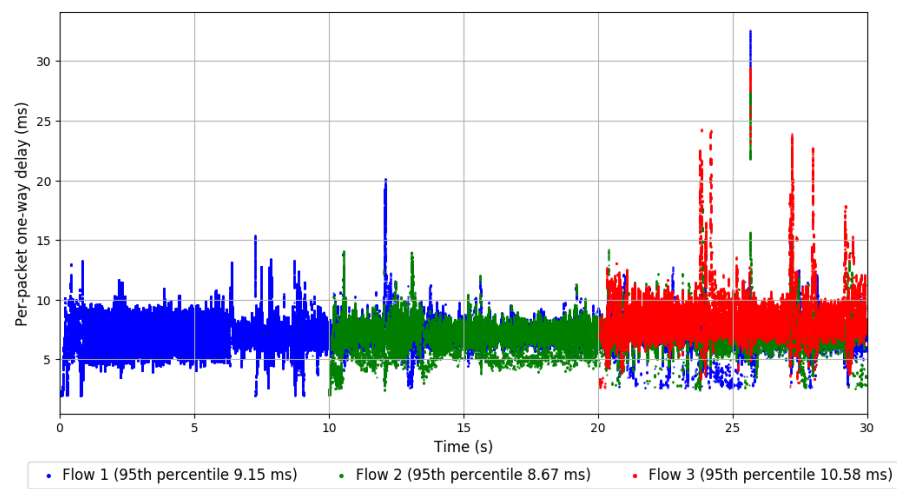
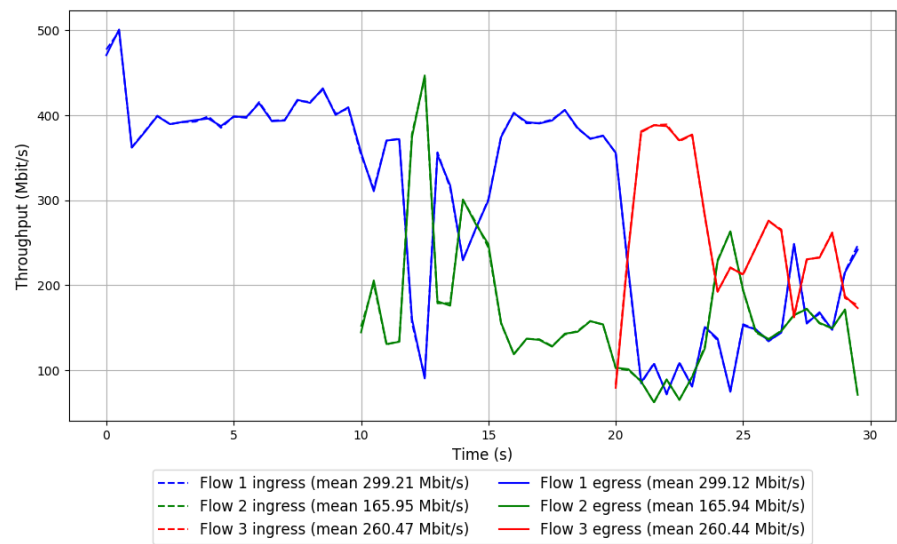
-- Flow 3:

Average throughput: 260.44 Mbit/s

95th percentile per-packet one-way delay: 10.581 ms

Loss rate: 0.11%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-09-08 00:10:11

End at: 2017-09-08 00:10:41

Local clock offset: -3.304 ms

Remote clock offset: 0.961 ms

Below is generated by plot.py at 2017-09-08 06:38:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 442.61 Mbit/s

95th percentile per-packet one-way delay: 9.849 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 254.50 Mbit/s

95th percentile per-packet one-way delay: 8.553 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 135.66 Mbit/s

95th percentile per-packet one-way delay: 8.955 ms

Loss rate: 0.07%

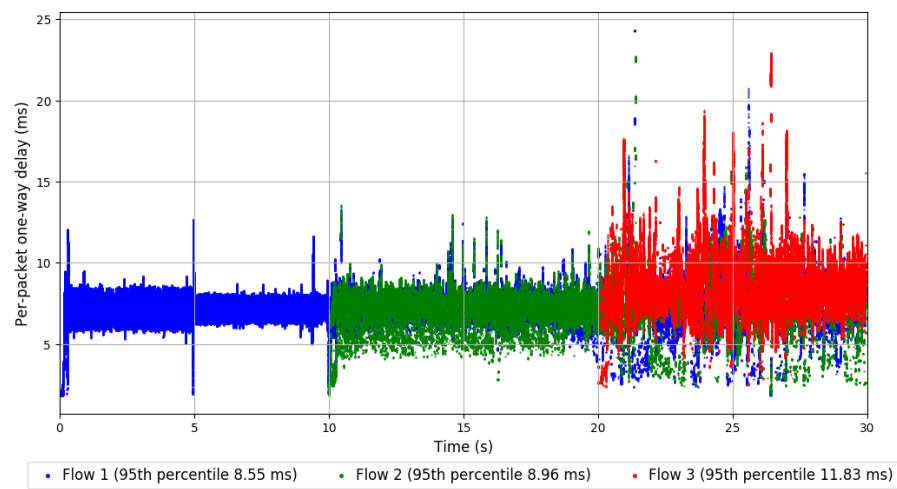
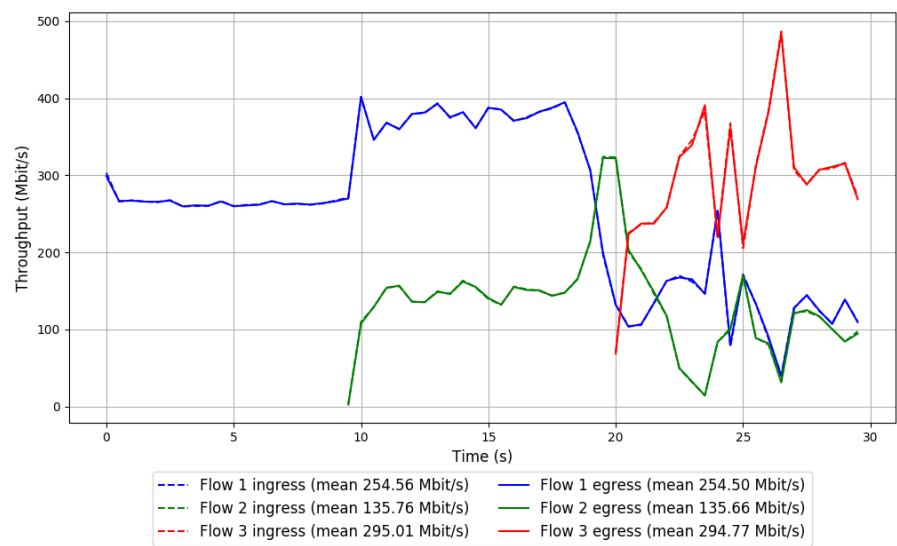
-- Flow 3:

Average throughput: 294.77 Mbit/s

95th percentile per-packet one-way delay: 11.834 ms

Loss rate: 0.14%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: 2017-09-08 00:30:32

End at: 2017-09-08 00:31:02

Local clock offset: -3.124 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2017-09-08 06:39:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.06 Mbit/s

95th percentile per-packet one-way delay: 10.866 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 187.70 Mbit/s

95th percentile per-packet one-way delay: 10.072 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 277.83 Mbit/s

95th percentile per-packet one-way delay: 10.816 ms

Loss rate: 0.04%

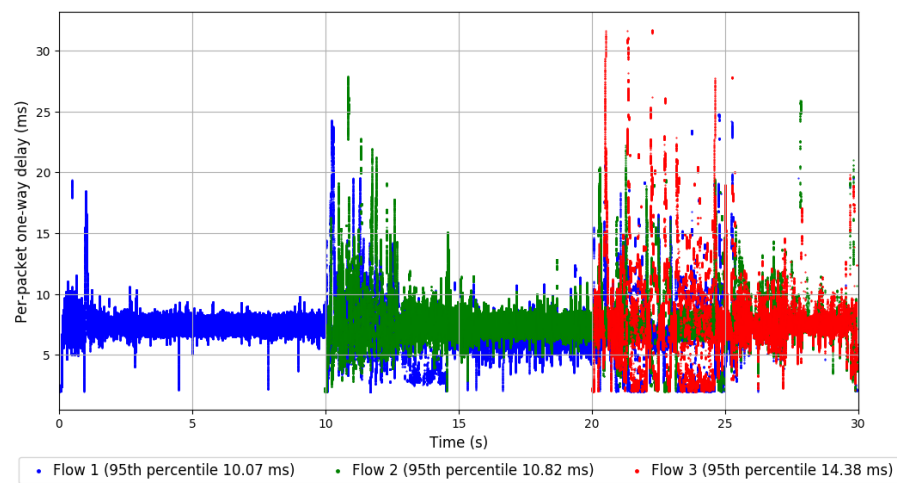
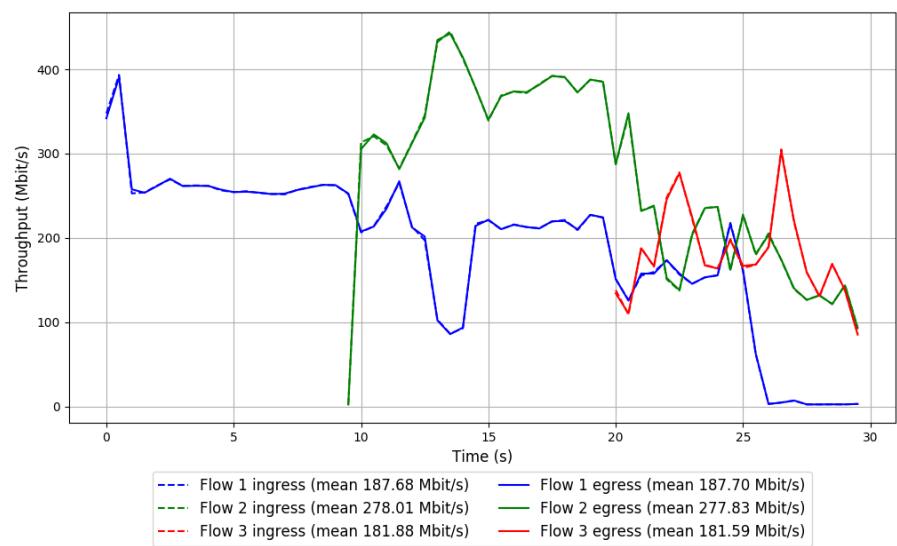
-- Flow 3:

Average throughput: 181.59 Mbit/s

95th percentile per-packet one-way delay: 14.379 ms

Loss rate: 0.12%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: 2017-09-08 00:50:37

End at: 2017-09-08 00:51:07

Local clock offset: -3.043 ms

Remote clock offset: 0.682 ms

Below is generated by plot.py at 2017-09-08 06:39:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.90 Mbit/s

95th percentile per-packet one-way delay: 10.316 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 298.70 Mbit/s

95th percentile per-packet one-way delay: 9.132 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 223.41 Mbit/s

95th percentile per-packet one-way delay: 10.614 ms

Loss rate: 0.07%

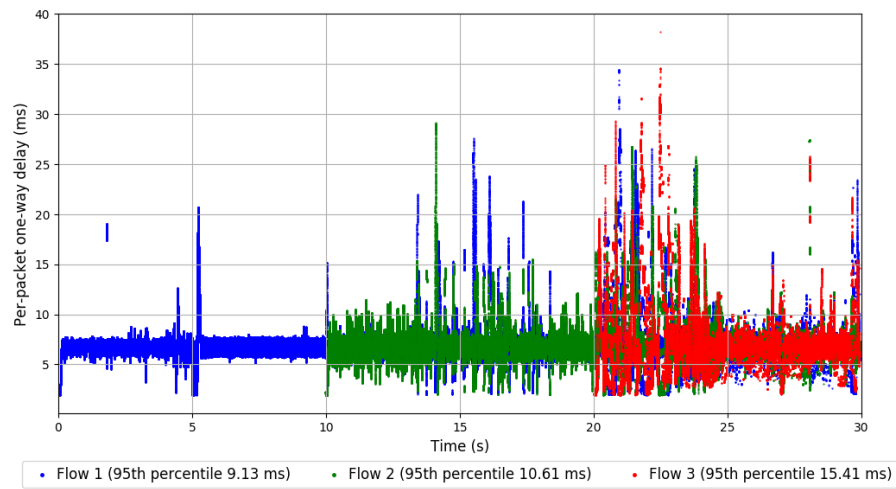
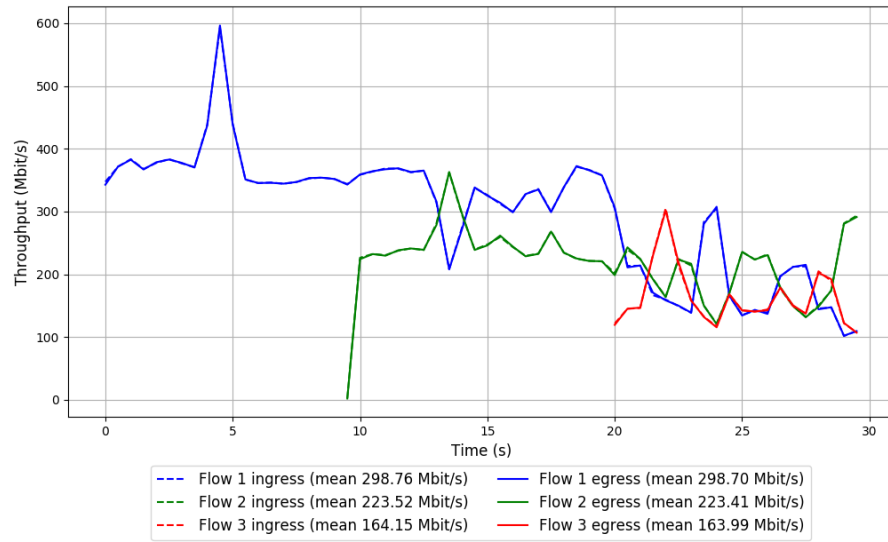
-- Flow 3:

Average throughput: 163.99 Mbit/s

95th percentile per-packet one-way delay: 15.410 ms

Loss rate: 0.05%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: 2017-09-07 21:57:51

End at: 2017-09-07 21:58:21

Local clock offset: -3.216 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2017-09-08 06:39:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.32 Mbit/s

95th percentile per-packet one-way delay: 2.356 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 2.191 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 82.76 Mbit/s

95th percentile per-packet one-way delay: 2.637 ms

Loss rate: 0.02%

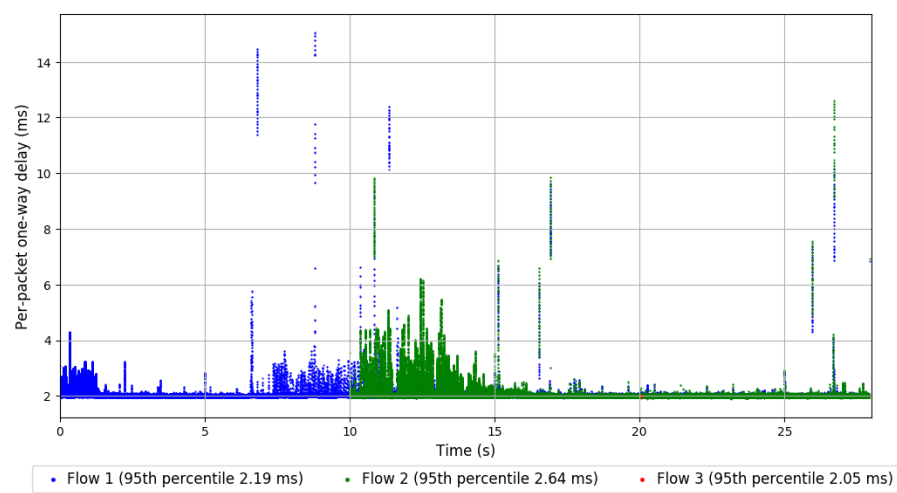
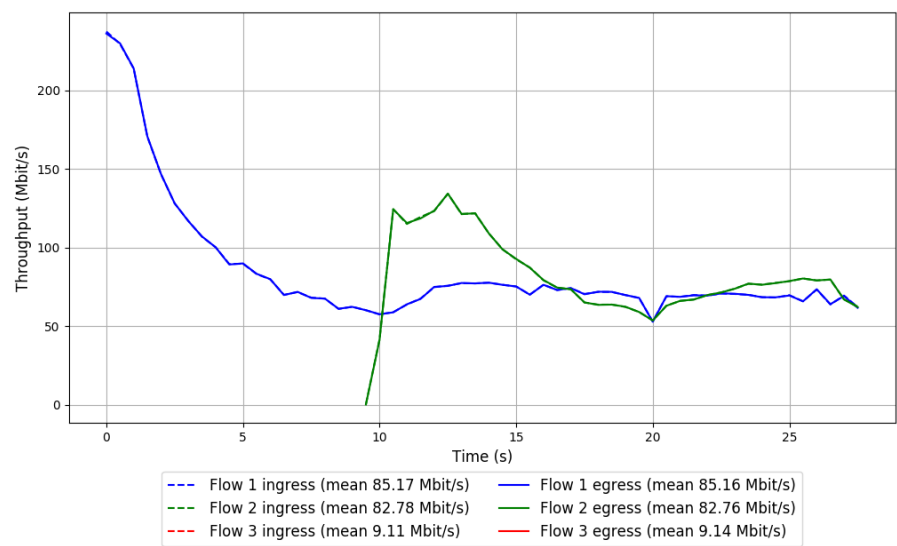
-- Flow 3:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 2.048 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

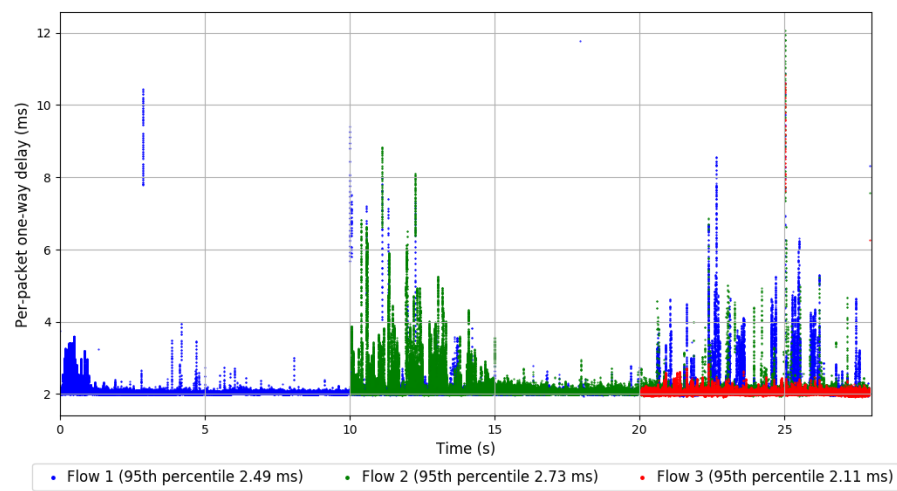
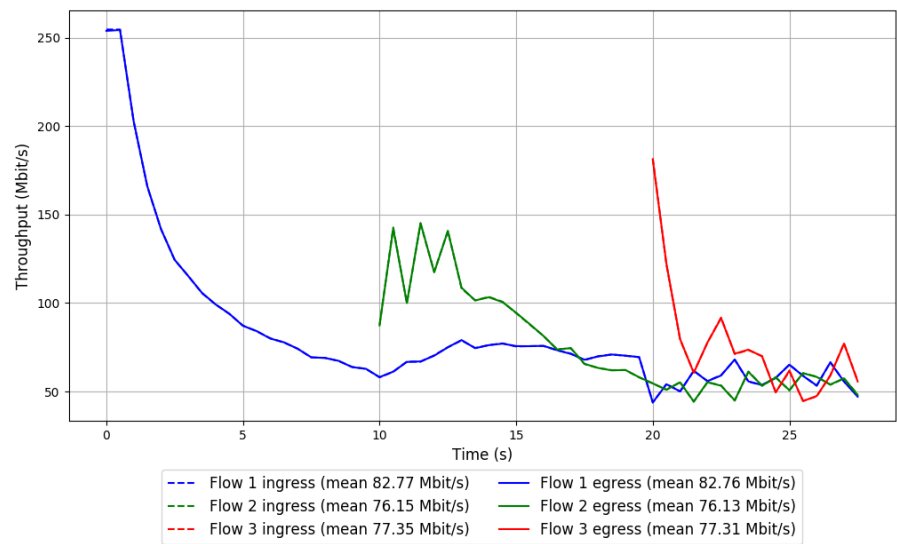


Run 2: Statistics of Copa

Start at: 2017-09-07 22:18:02
End at: 2017-09-07 22:18:32
Local clock offset: -3.282 ms
Remote clock offset: 0.382 ms

Below is generated by plot.py at 2017-09-08 06:40:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 153.49 Mbit/s
95th percentile per-packet one-way delay: 2.486 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 2.493 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 2.733 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: 2.114 ms
Loss rate: 0.06%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-09-07 22:38:14

End at: 2017-09-07 22:38:44

Local clock offset: -3.445 ms

Remote clock offset: 0.746 ms

Below is generated by plot.py at 2017-09-08 06:40:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.13 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 2.133 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 1.987 ms

Loss rate: 0.00%

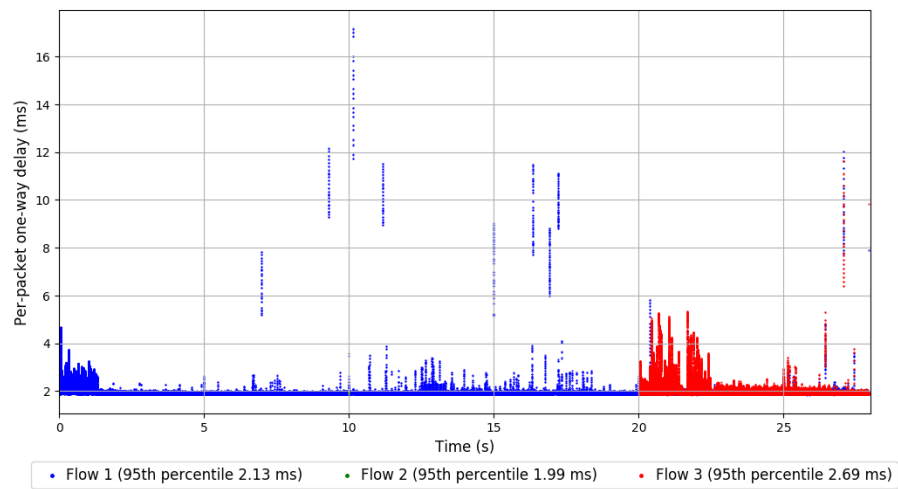
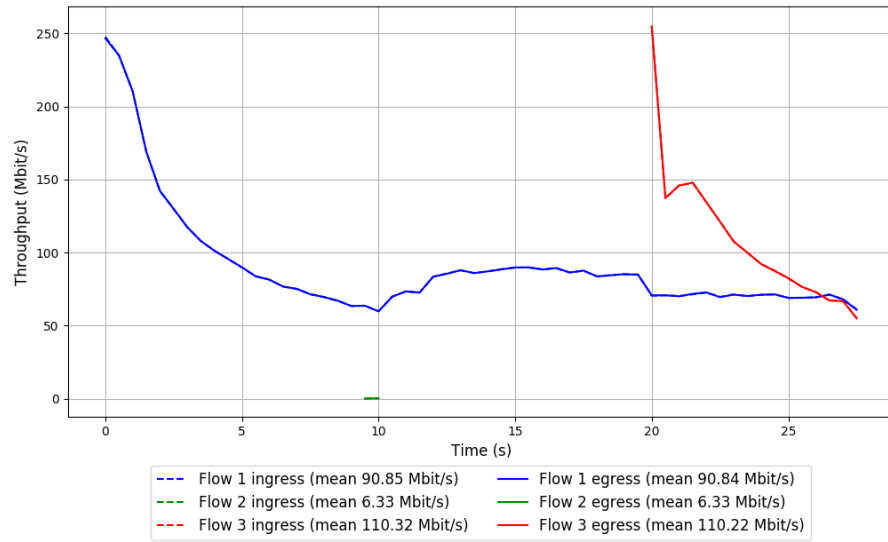
-- Flow 3:

Average throughput: 110.22 Mbit/s

95th percentile per-packet one-way delay: 2.694 ms

Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-09-07 22:58:40

End at: 2017-09-07 22:59:10

Local clock offset: -3.521 ms

Remote clock offset: 0.935 ms

Below is generated by plot.py at 2017-09-08 06:40:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 155.89 Mbit/s

95th percentile per-packet one-way delay: 2.569 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 82.62 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 79.87 Mbit/s

95th percentile per-packet one-way delay: 3.069 ms

Loss rate: 0.02%

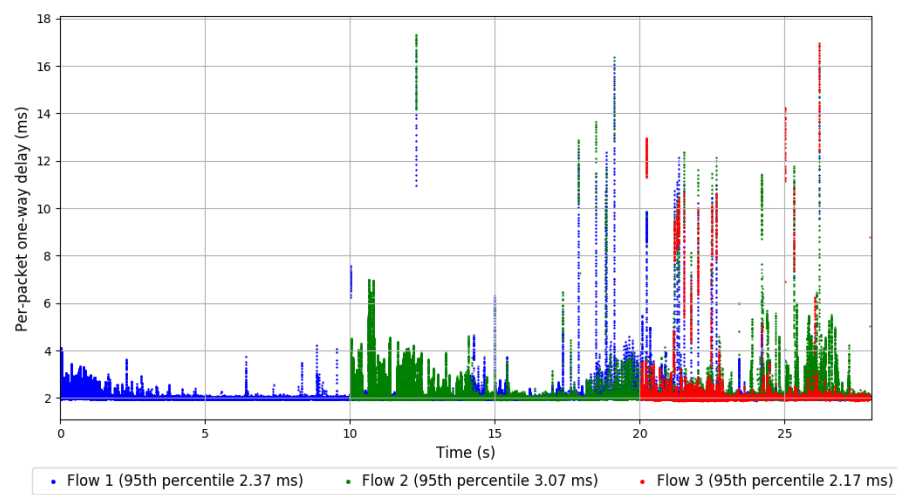
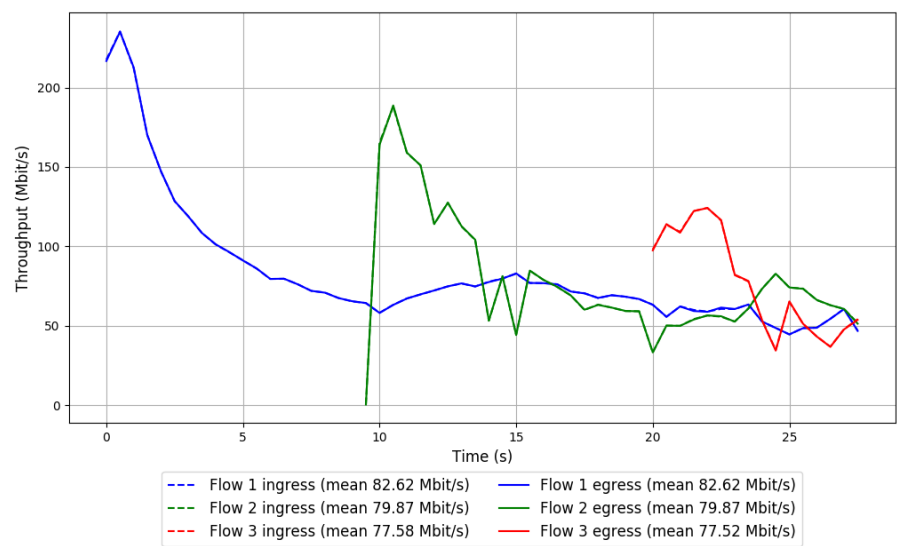
-- Flow 3:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 2.165 ms

Loss rate: 0.06%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-09-07 23:18:38

End at: 2017-09-07 23:19:08

Local clock offset: -3.716 ms

Remote clock offset: 1.004 ms

Below is generated by plot.py at 2017-09-08 06:40:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 156.35 Mbit/s

95th percentile per-packet one-way delay: 2.576 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 80.55 Mbit/s

95th percentile per-packet one-way delay: 2.309 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 3.170 ms

Loss rate: 0.02%

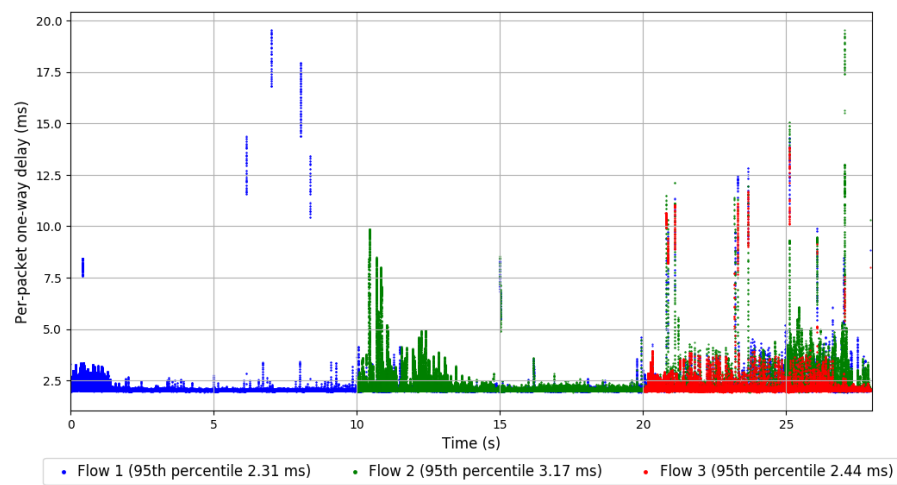
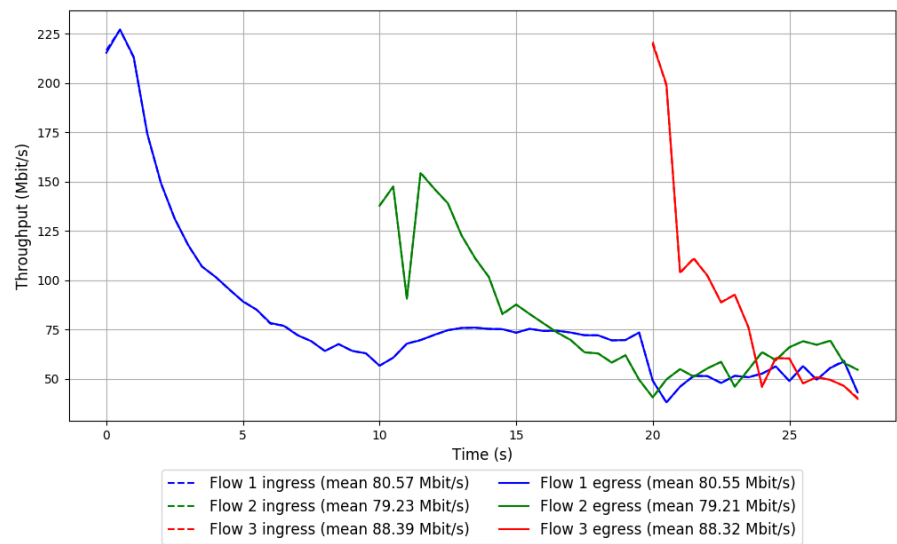
-- Flow 3:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 2.439 ms

Loss rate: 0.05%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-09-07 23:38:37

End at: 2017-09-07 23:39:07

Local clock offset: -3.516 ms

Remote clock offset: 1.116 ms

Below is generated by plot.py at 2017-09-08 06:41:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.08 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 81.14 Mbit/s

95th percentile per-packet one-way delay: 2.150 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 78.85 Mbit/s

95th percentile per-packet one-way delay: 2.286 ms

Loss rate: 0.02%

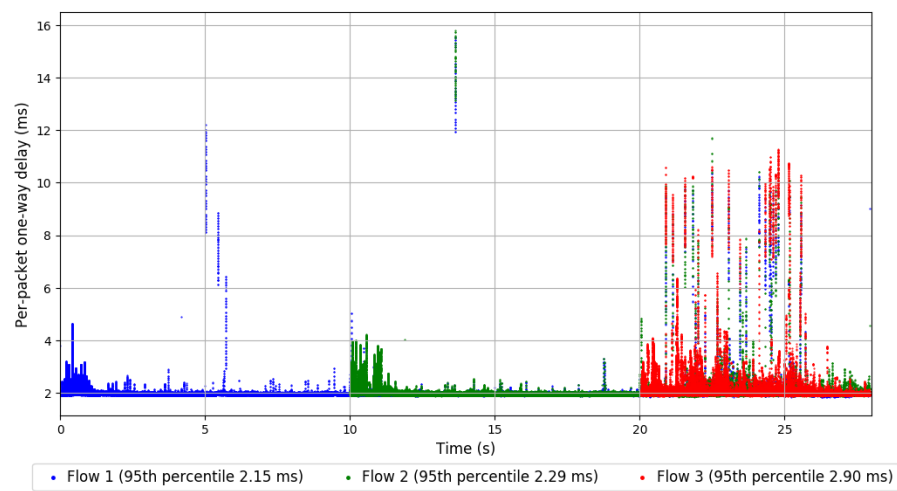
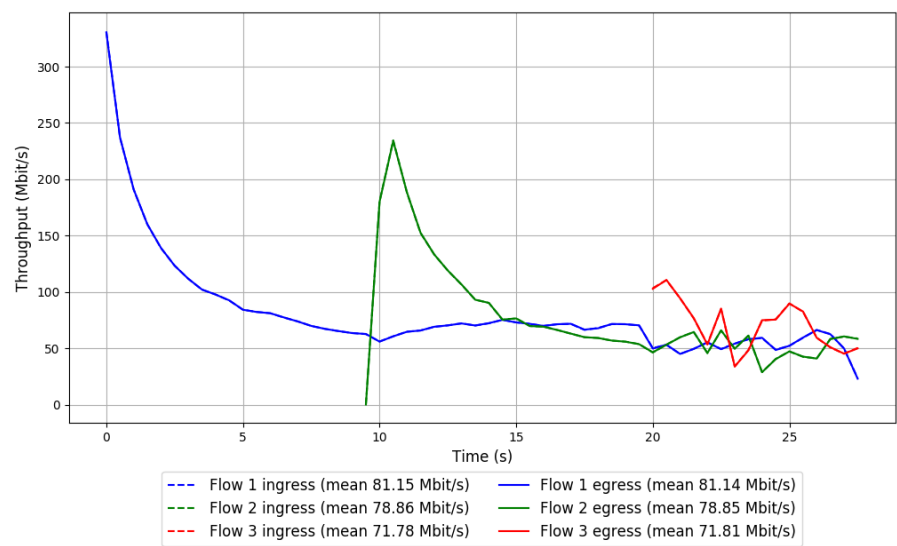
-- Flow 3:

Average throughput: 71.81 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.03%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-09-07 23:58:55

End at: 2017-09-07 23:59:25

Local clock offset: -3.241 ms

Remote clock offset: 0.996 ms

Below is generated by plot.py at 2017-09-08 06:41:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 2.133 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.08 Mbit/s

95th percentile per-packet one-way delay: 2.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 2.120 ms

Loss rate: 0.01%

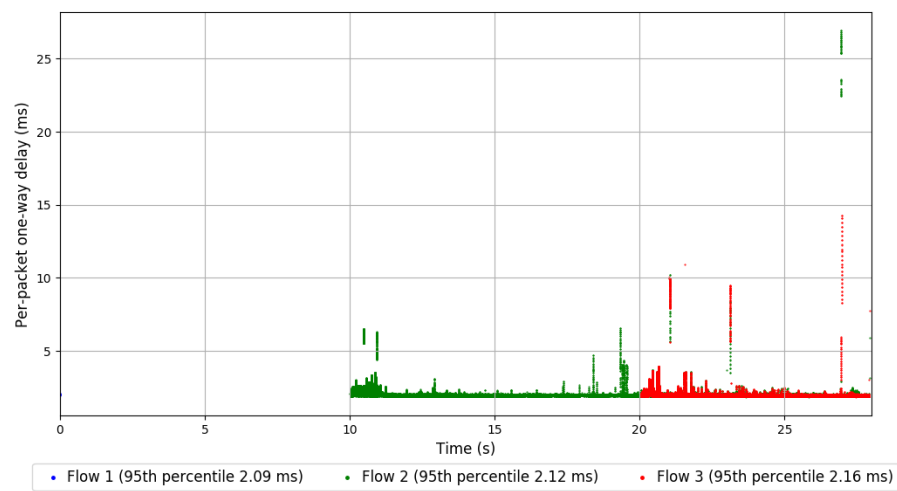
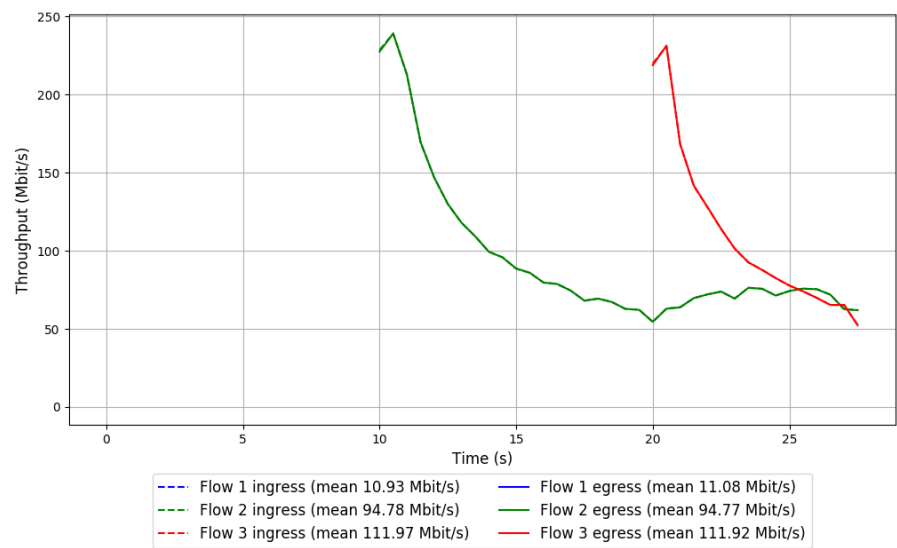
-- Flow 3:

Average throughput: 111.92 Mbit/s

95th percentile per-packet one-way delay: 2.157 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link

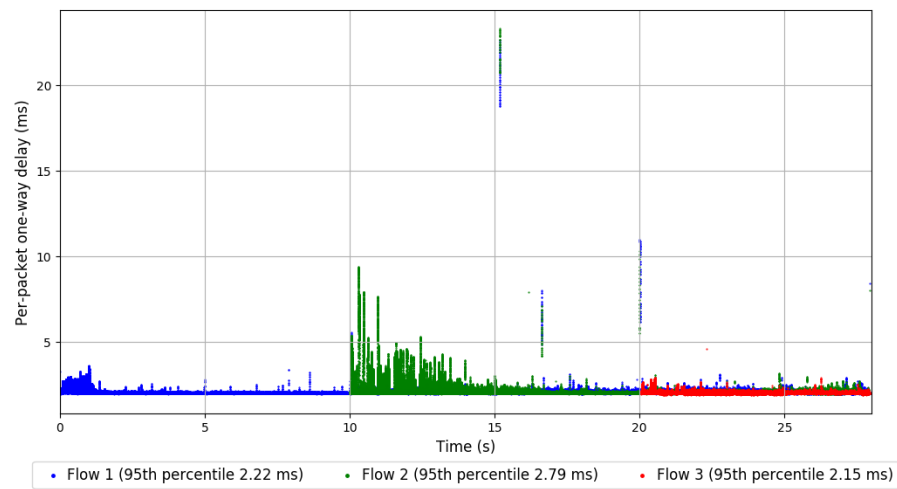
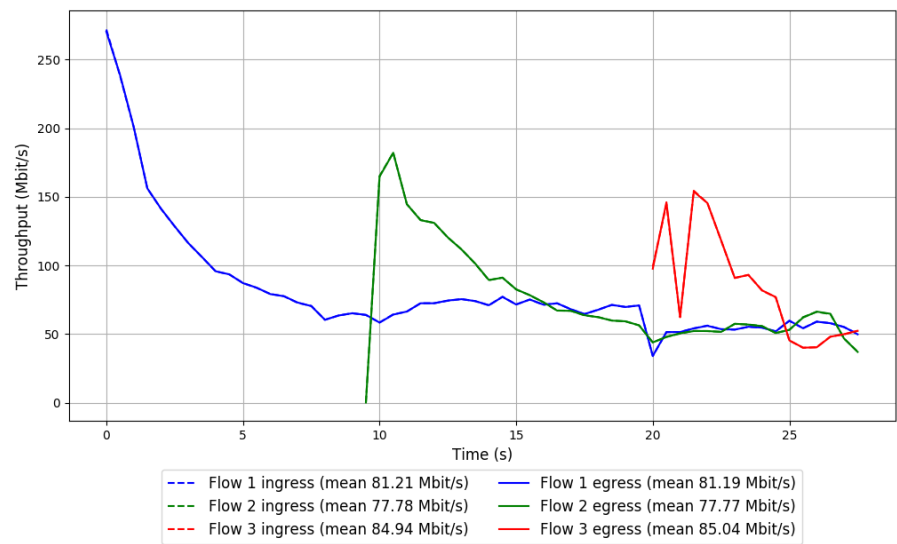


Run 8: Statistics of Copa

Start at: 2017-09-08 00:19:14
End at: 2017-09-08 00:19:44
Local clock offset: -3.162 ms
Remote clock offset: 0.855 ms

```
# Below is generated by plot.py at 2017-09-08 06:41:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.19 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 2.218 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 2.785 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 2.147 ms
Loss rate: 0.02%
```

Run 8: Report of Copa — Data Link

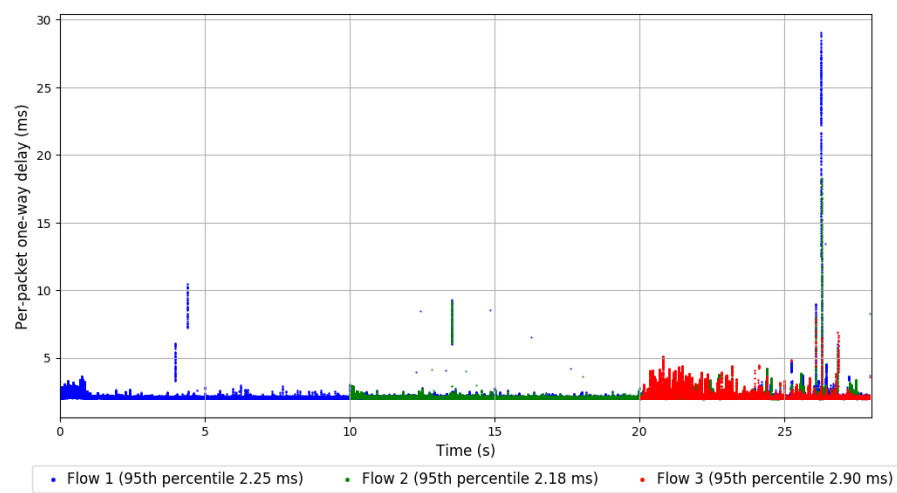
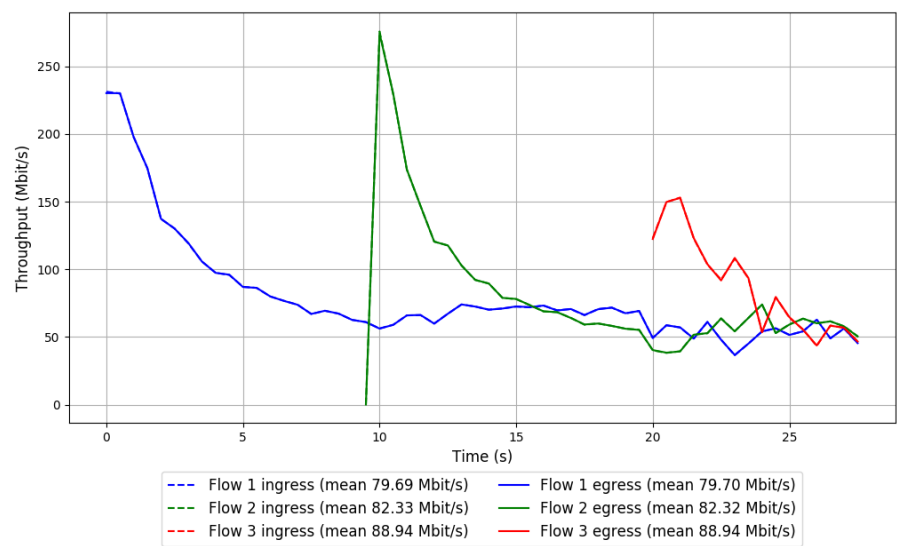


Run 9: Statistics of Copa

Start at: 2017-09-08 00:39:14
End at: 2017-09-08 00:39:44
Local clock offset: -3.009 ms
Remote clock offset: 0.907 ms

Below is generated by plot.py at 2017-09-08 06:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.70 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.70 Mbit/s
95th percentile per-packet one-way delay: 2.249 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 2.181 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 2.899 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-09-08 00:59:18

End at: 2017-09-08 00:59:48

Local clock offset: -2.999 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2017-09-08 06:42:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.92 Mbit/s

95th percentile per-packet one-way delay: 2.317 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 80.39 Mbit/s

95th percentile per-packet one-way delay: 2.164 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 2.783 ms

Loss rate: 0.02%

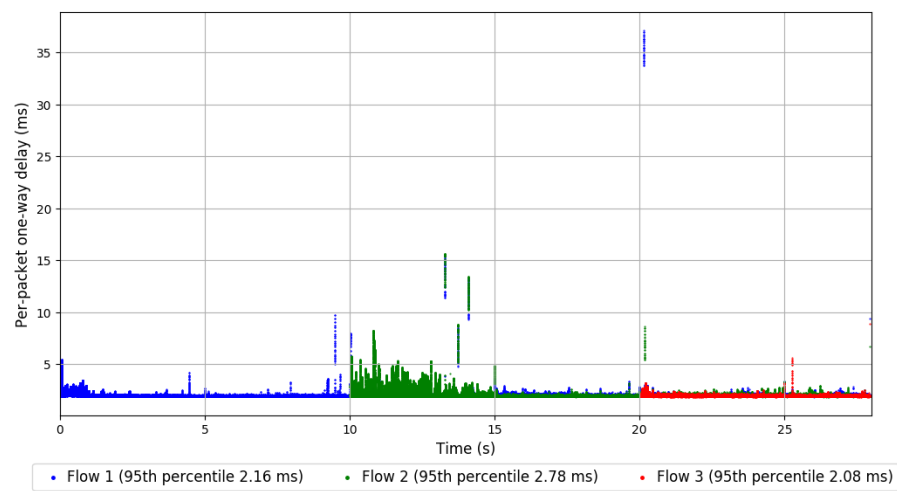
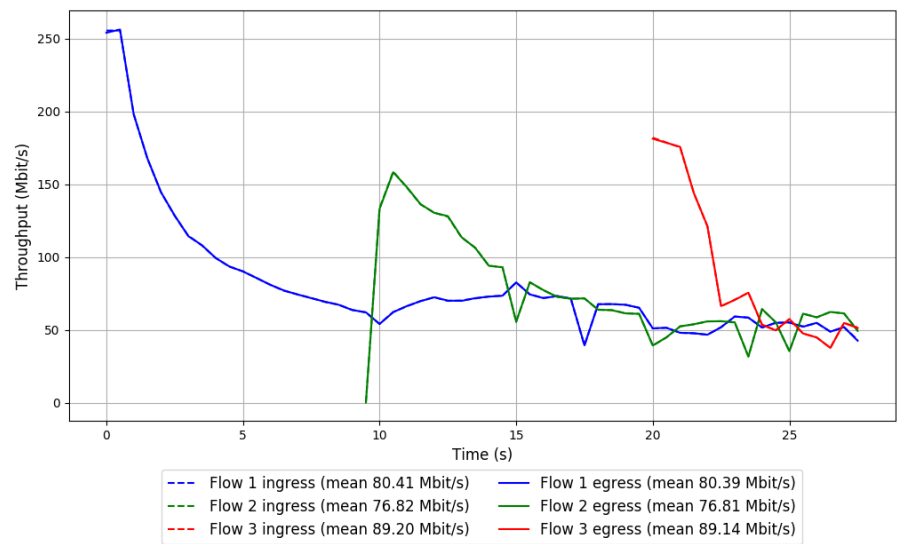
-- Flow 3:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 2.076 ms

Loss rate: 0.04%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-07 22:06:07

End at: 2017-09-07 22:06:37

Local clock offset: -3.219 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2017-09-08 06:43:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 647.35 Mbit/s

95th percentile per-packet one-way delay: 35.600 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 390.57 Mbit/s

95th percentile per-packet one-way delay: 34.321 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 263.08 Mbit/s

95th percentile per-packet one-way delay: 26.303 ms

Loss rate: 0.14%

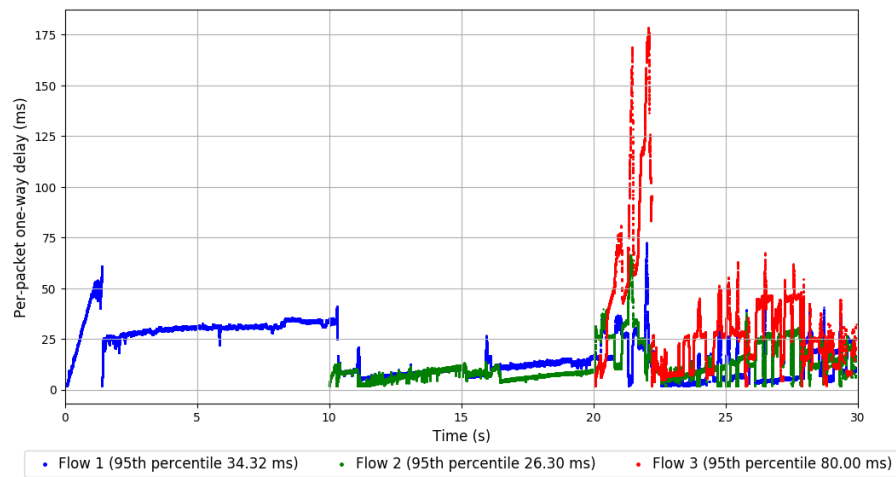
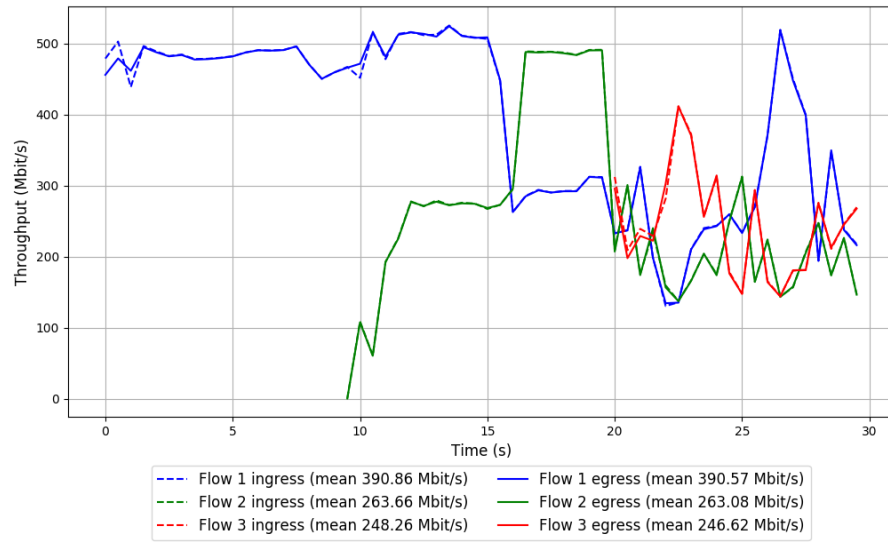
-- Flow 3:

Average throughput: 246.62 Mbit/s

95th percentile per-packet one-way delay: 80.005 ms

Loss rate: 0.58%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-07 22:26:29

End at: 2017-09-07 22:26:59

Local clock offset: -3.312 ms

Remote clock offset: 0.585 ms

Below is generated by plot.py at 2017-09-08 06:43:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 748.26 Mbit/s

95th percentile per-packet one-way delay: 79.905 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 410.06 Mbit/s

95th percentile per-packet one-way delay: 28.875 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 376.55 Mbit/s

95th percentile per-packet one-way delay: 41.313 ms

Loss rate: 0.22%

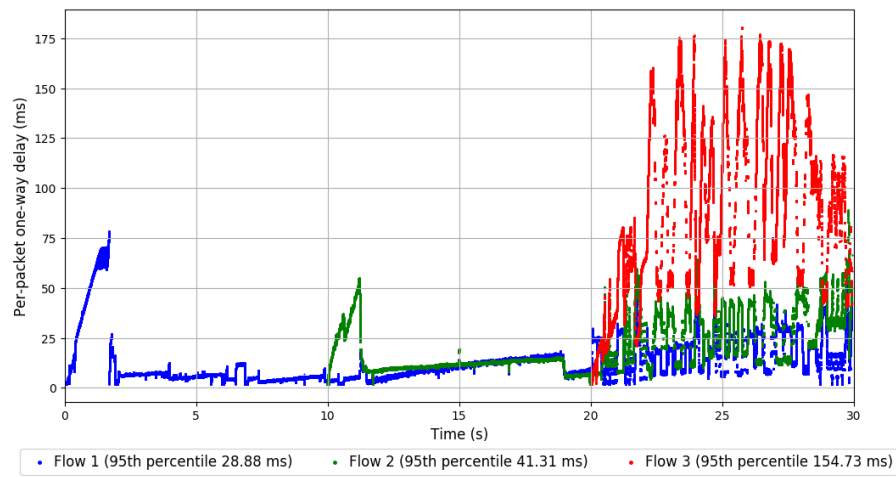
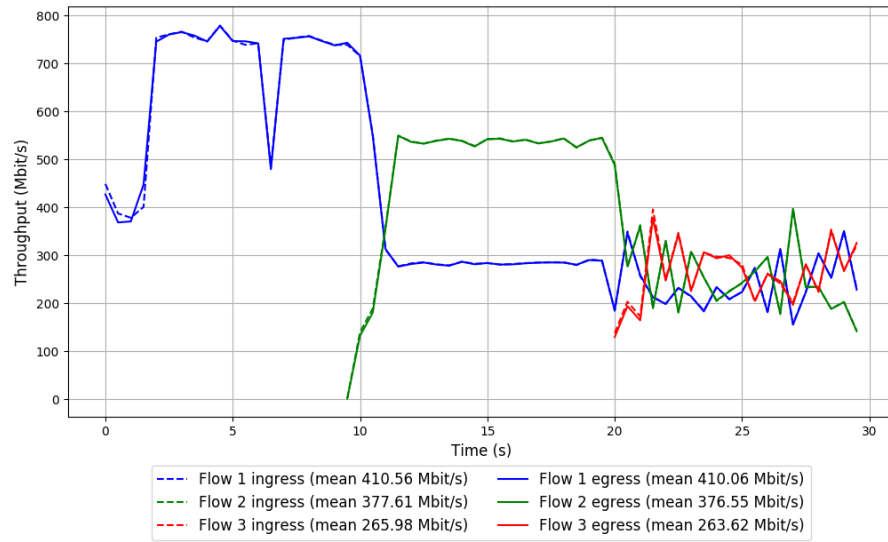
-- Flow 3:

Average throughput: 263.62 Mbit/s

95th percentile per-packet one-way delay: 154.728 ms

Loss rate: 0.87%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-09-07 22:46:33

End at: 2017-09-07 22:47:03

Local clock offset: -3.4 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2017-09-08 06:44:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 655.54 Mbit/s

95th percentile per-packet one-way delay: 39.504 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 374.98 Mbit/s

95th percentile per-packet one-way delay: 28.725 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 284.46 Mbit/s

95th percentile per-packet one-way delay: 24.560 ms

Loss rate: 0.08%

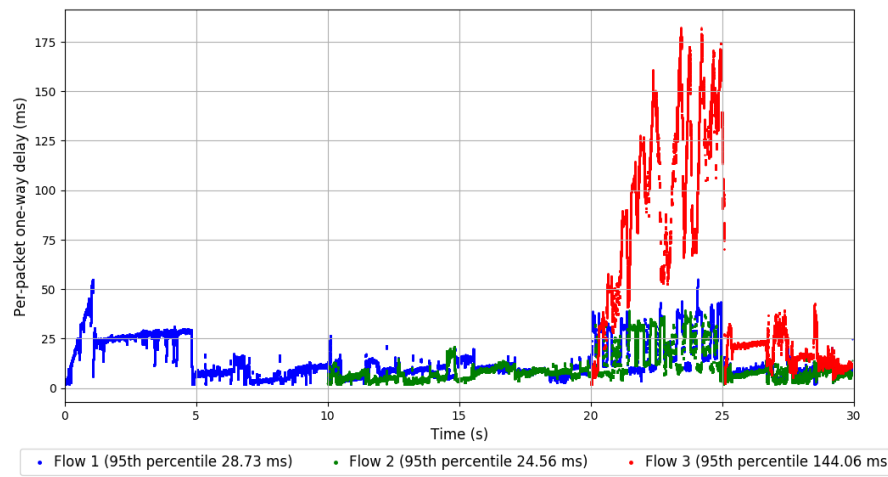
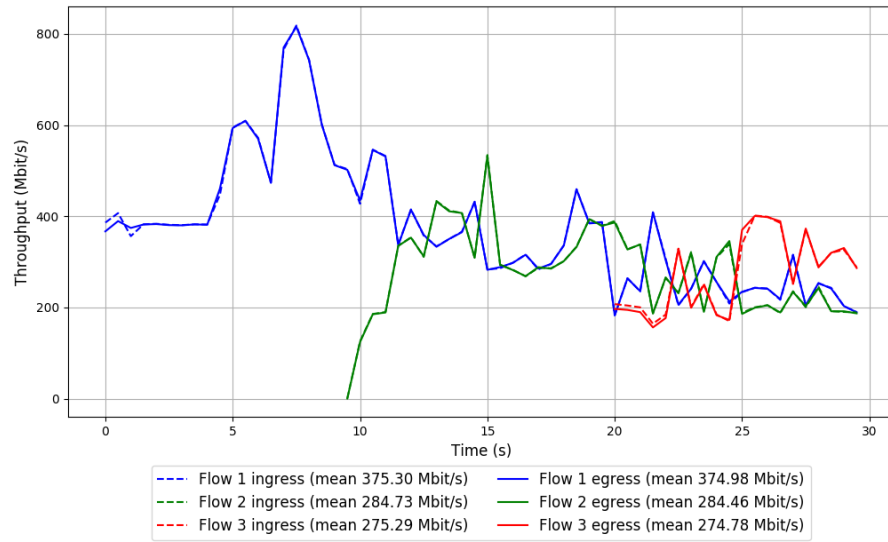
-- Flow 3:

Average throughput: 274.78 Mbit/s

95th percentile per-packet one-way delay: 144.059 ms

Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-07 23:06:51

End at: 2017-09-07 23:07:22

Local clock offset: -3.579 ms

Remote clock offset: 0.992 ms

Below is generated by plot.py at 2017-09-08 06:45:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 714.93 Mbit/s

95th percentile per-packet one-way delay: 75.737 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 467.70 Mbit/s

95th percentile per-packet one-way delay: 42.580 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 231.65 Mbit/s

95th percentile per-packet one-way delay: 12.268 ms

Loss rate: 0.06%

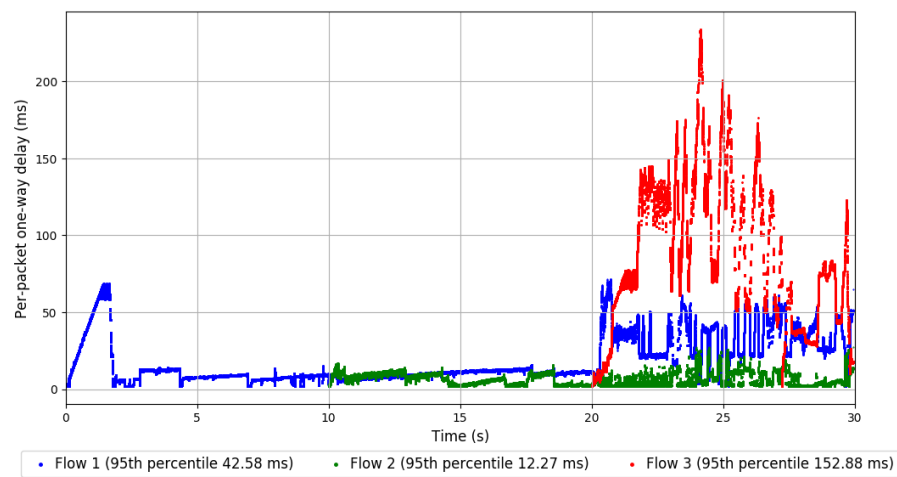
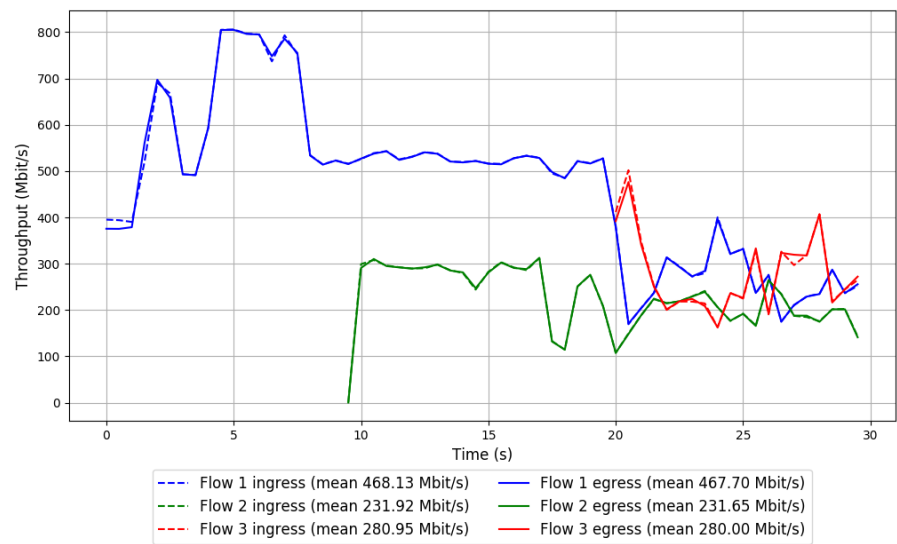
-- Flow 3:

Average throughput: 280.00 Mbit/s

95th percentile per-packet one-way delay: 152.881 ms

Loss rate: 0.38%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-07 23:26:59

End at: 2017-09-07 23:27:29

Local clock offset: -3.626 ms

Remote clock offset: 1.153 ms

Below is generated by plot.py at 2017-09-08 06:45:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 623.58 Mbit/s

95th percentile per-packet one-way delay: 32.374 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 335.57 Mbit/s

95th percentile per-packet one-way delay: 16.994 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 314.79 Mbit/s

95th percentile per-packet one-way delay: 40.560 ms

Loss rate: 0.33%

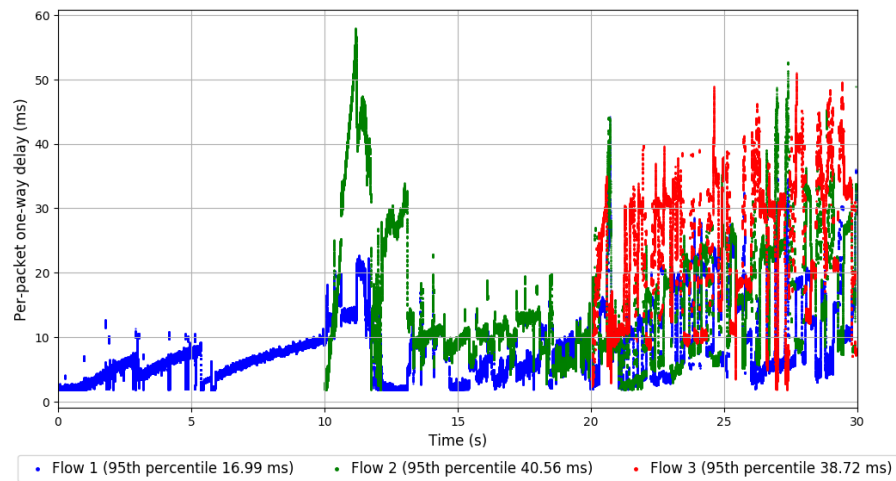
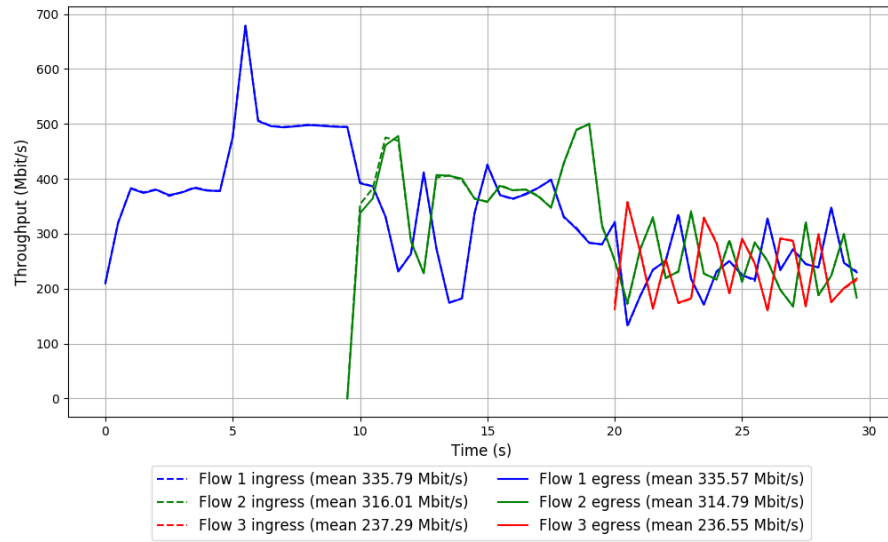
-- Flow 3:

Average throughput: 236.55 Mbit/s

95th percentile per-packet one-way delay: 38.723 ms

Loss rate: 0.27%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-09-07 23:46:52

End at: 2017-09-07 23:47:22

Local clock offset: -3.415 ms

Remote clock offset: 1.07 ms

Below is generated by plot.py at 2017-09-08 06:46:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 691.57 Mbit/s

95th percentile per-packet one-way delay: 27.269 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 352.42 Mbit/s

95th percentile per-packet one-way delay: 18.761 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 367.86 Mbit/s

95th percentile per-packet one-way delay: 27.455 ms

Loss rate: 0.15%

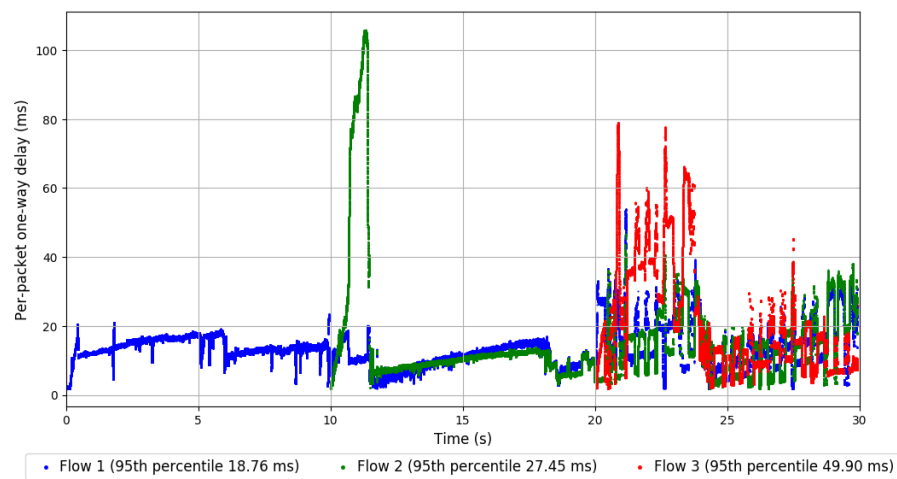
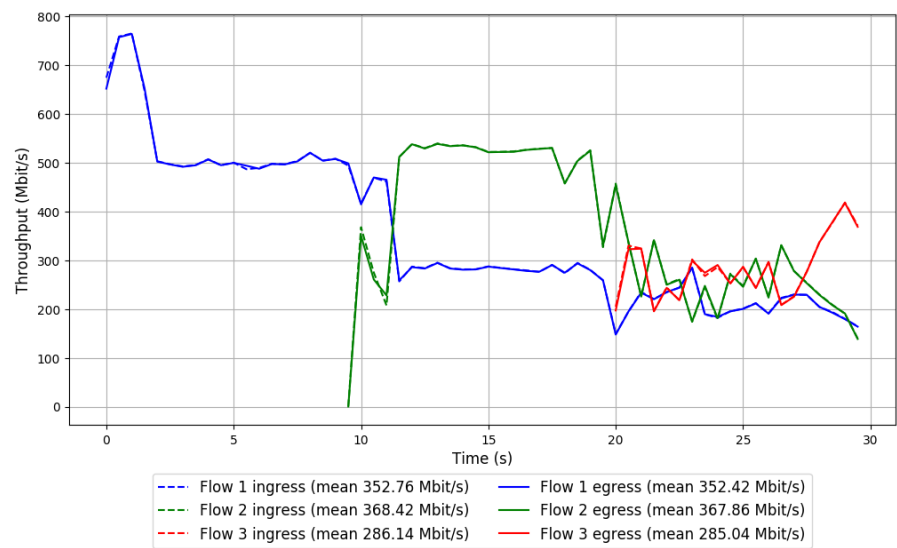
-- Flow 3:

Average throughput: 285.04 Mbit/s

95th percentile per-packet one-way delay: 49.896 ms

Loss rate: 0.25%

Run 6: Report of TCP Cubic — Data Link

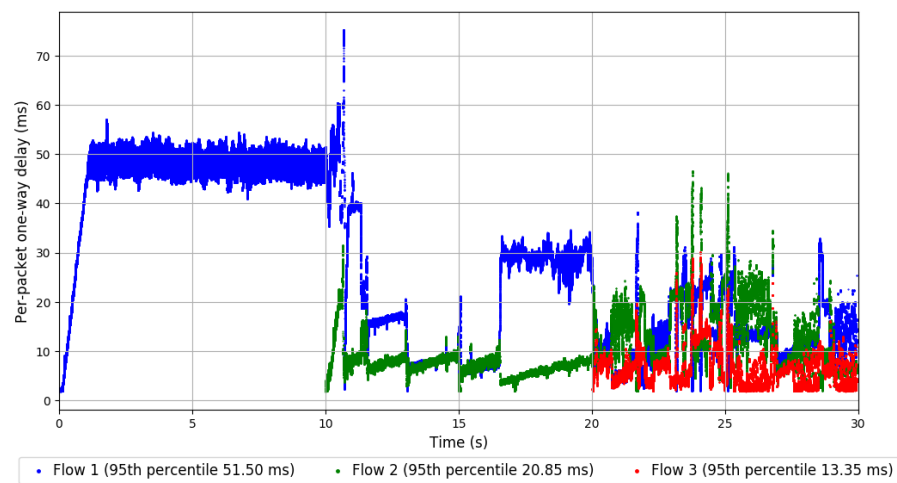
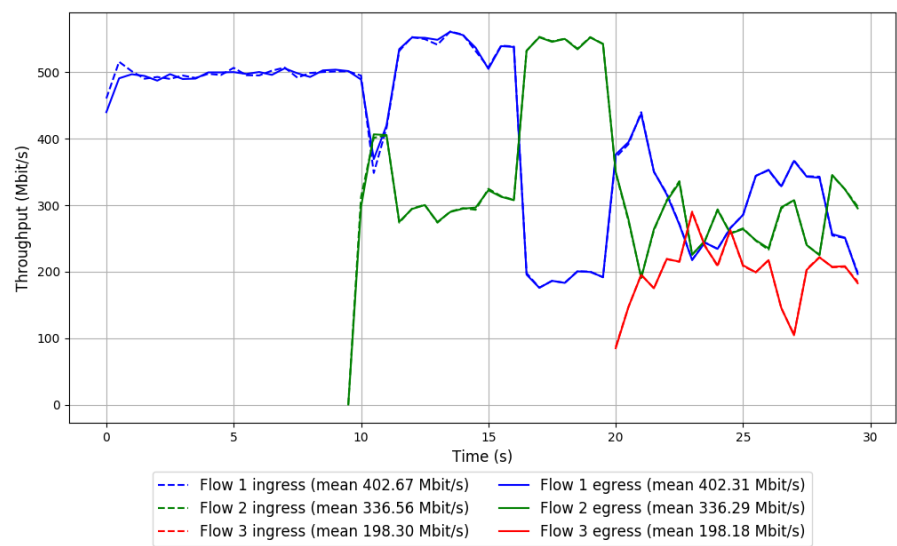


Run 7: Statistics of TCP Cubic

Start at: 2017-09-08 00:07:10
End at: 2017-09-08 00:07:40
Local clock offset: -3.293 ms
Remote clock offset: 0.961 ms

Below is generated by plot.py at 2017-09-08 06:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.99 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 402.31 Mbit/s
95th percentile per-packet one-way delay: 51.501 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 336.29 Mbit/s
95th percentile per-packet one-way delay: 20.852 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 198.18 Mbit/s
95th percentile per-packet one-way delay: 13.351 ms
Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-08 00:27:32

End at: 2017-09-08 00:28:02

Local clock offset: -3.136 ms

Remote clock offset: 0.974 ms

Below is generated by plot.py at 2017-09-08 06:48:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 693.31 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 366.49 Mbit/s

95th percentile per-packet one-way delay: 51.794 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 370.22 Mbit/s

95th percentile per-packet one-way delay: 15.647 ms

Loss rate: 0.07%

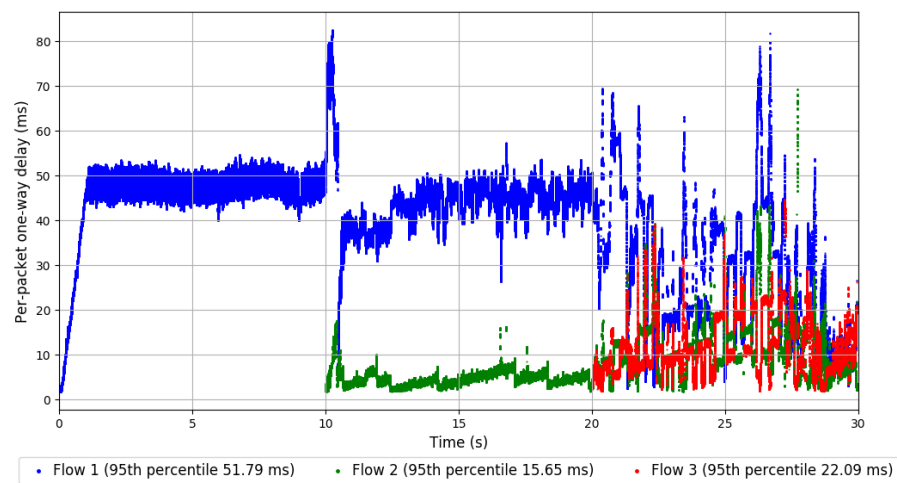
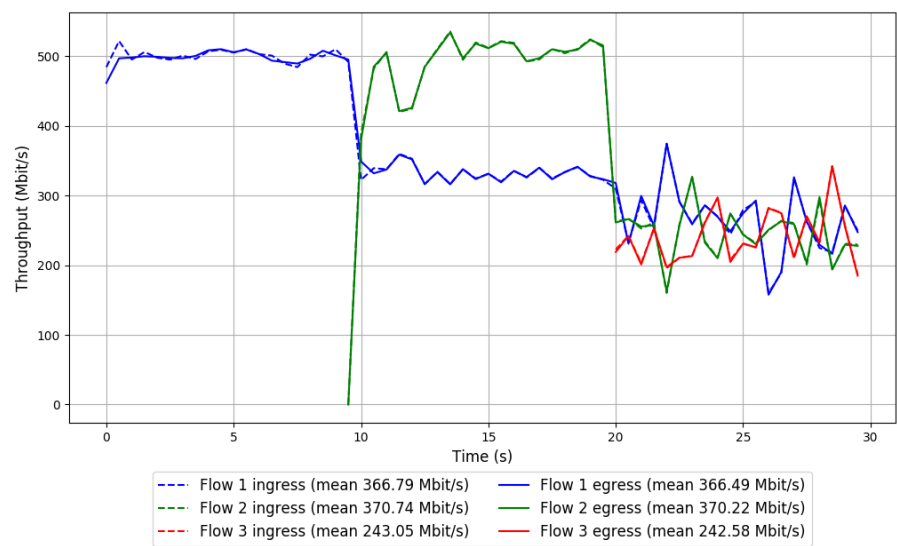
-- Flow 3:

Average throughput: 242.58 Mbit/s

95th percentile per-packet one-way delay: 22.086 ms

Loss rate: 0.18%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-08 00:47:35

End at: 2017-09-08 00:48:05

Local clock offset: -3.139 ms

Remote clock offset: 0.726 ms

Below is generated by plot.py at 2017-09-08 06:48:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 730.12 Mbit/s

95th percentile per-packet one-way delay: 51.323 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 398.79 Mbit/s

95th percentile per-packet one-way delay: 27.350 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 376.12 Mbit/s

95th percentile per-packet one-way delay: 52.276 ms

Loss rate: 0.14%

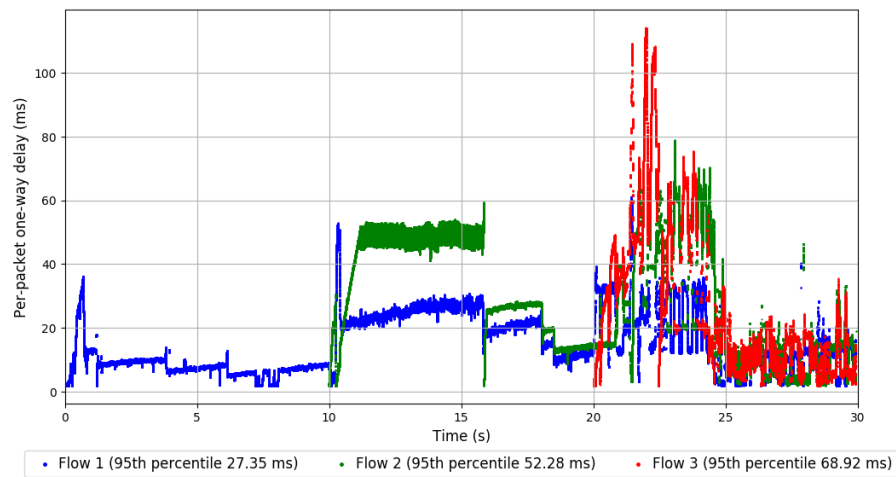
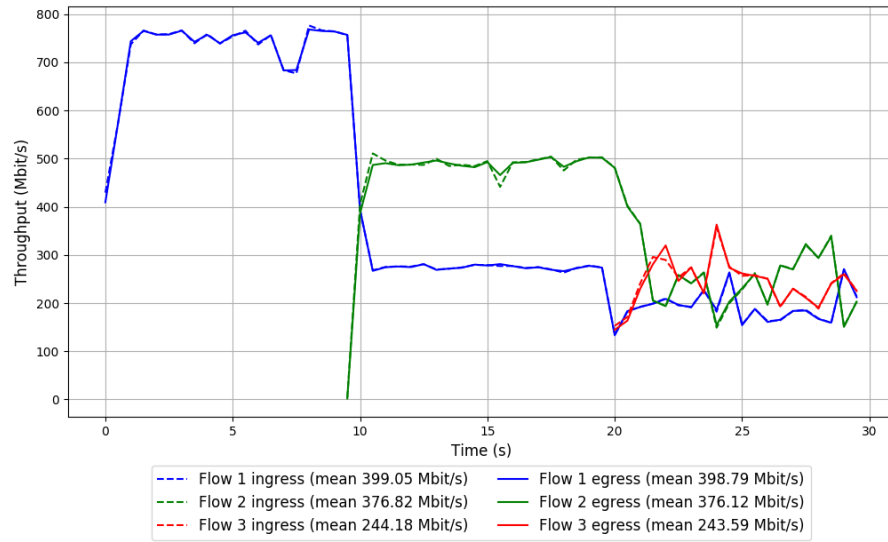
-- Flow 3:

Average throughput: 243.59 Mbit/s

95th percentile per-packet one-way delay: 68.917 ms

Loss rate: 0.26%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-09-08 01:07:39

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

Local clock offset: -2.929 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2017-09-08 06:49:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 628.44 Mbit/s

95th percentile per-packet one-way delay: 51.501 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 338.09 Mbit/s

95th percentile per-packet one-way delay: 52.136 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 298.69 Mbit/s

95th percentile per-packet one-way delay: 24.971 ms

Loss rate: 0.21%

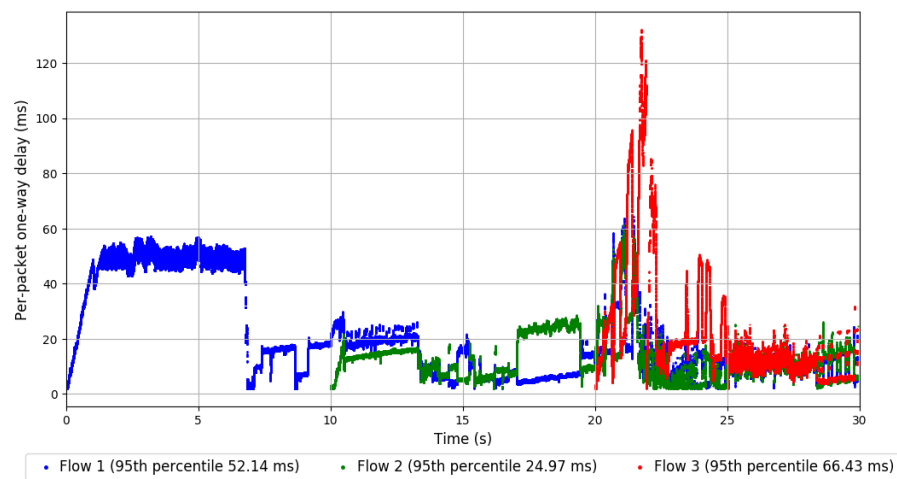
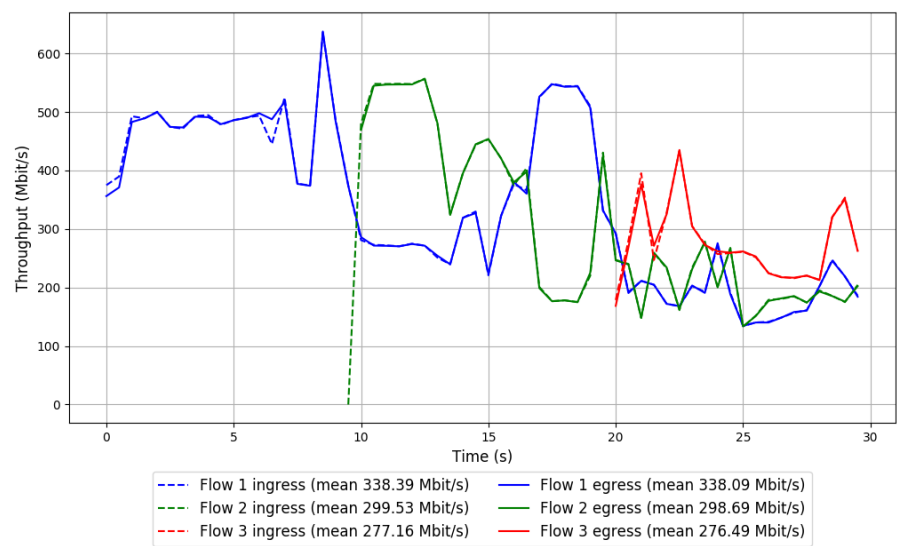
-- Flow 3:

Average throughput: 276.49 Mbit/s

95th percentile per-packet one-way delay: 66.432 ms

Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link

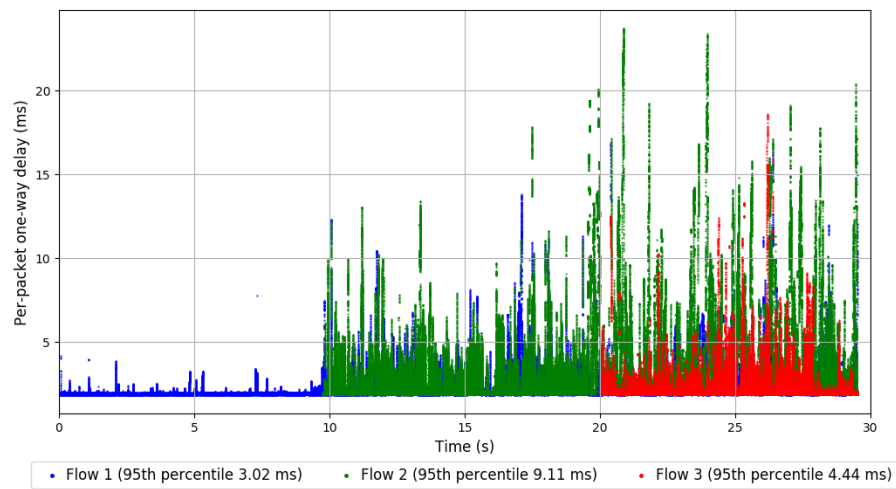
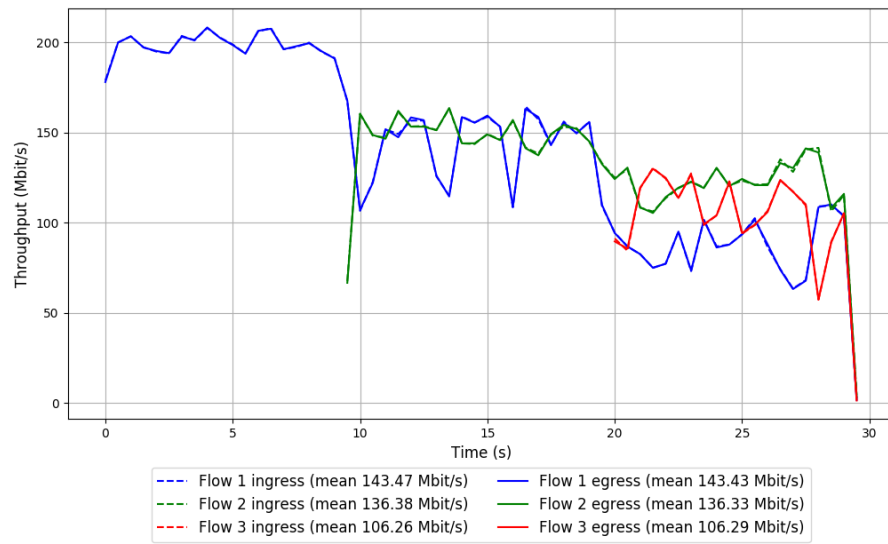


```
Run 1: Statistics of Indigo

Start at: 2017-09-07 22:07:43
End at: 2017-09-07 22:08:13
Local clock offset: -3.297 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at 2017-09-08 06:49:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.92 Mbit/s
95th percentile per-packet one-way delay: 5.584 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.43 Mbit/s
95th percentile per-packet one-way delay: 3.019 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 136.33 Mbit/s
95th percentile per-packet one-way delay: 9.109 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 106.29 Mbit/s
95th percentile per-packet one-way delay: 4.439 ms
Loss rate: 0.02%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-07 22:28:10

End at: 2017-09-07 22:28:40

Local clock offset: -3.392 ms

Remote clock offset: 0.533 ms

Below is generated by plot.py at 2017-09-08 06:49:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.38 Mbit/s

95th percentile per-packet one-way delay: 4.727 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 155.89 Mbit/s

95th percentile per-packet one-way delay: 5.118 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 124.39 Mbit/s

95th percentile per-packet one-way delay: 3.817 ms

Loss rate: 0.04%

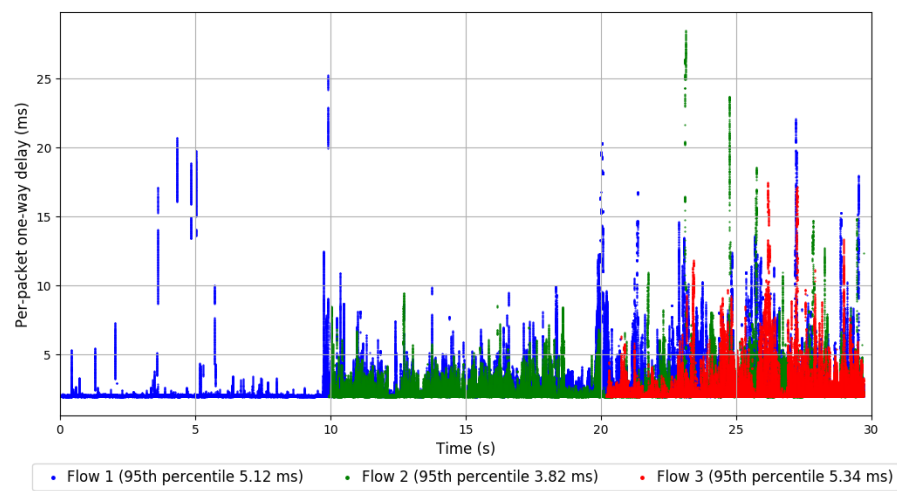
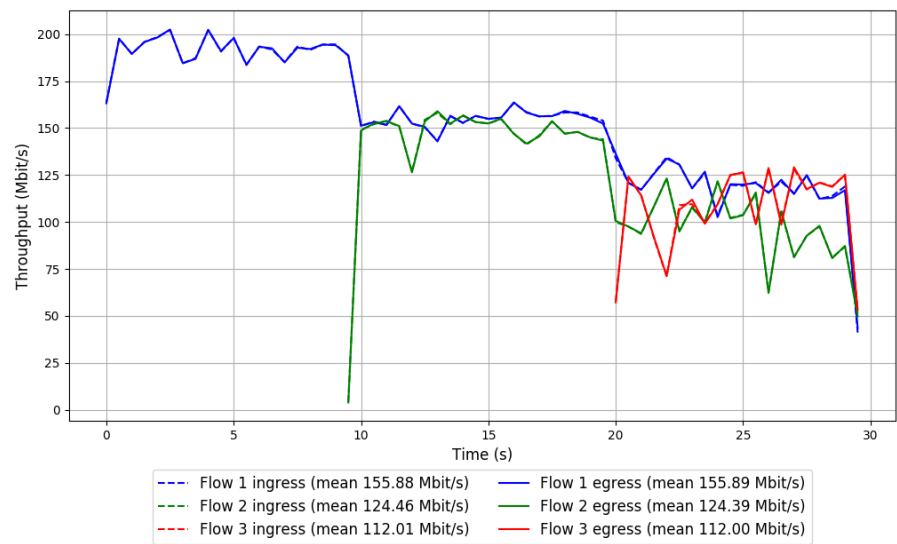
-- Flow 3:

Average throughput: 112.00 Mbit/s

95th percentile per-packet one-way delay: 5.341 ms

Loss rate: 0.05%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-07 22:48:09

End at: 2017-09-07 22:48:39

Local clock offset: -3.437 ms

Remote clock offset: 0.844 ms

Below is generated by plot.py at 2017-09-08 06:50:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.93 Mbit/s

95th percentile per-packet one-way delay: 5.220 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 153.59 Mbit/s

95th percentile per-packet one-way delay: 6.549 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 116.69 Mbit/s

95th percentile per-packet one-way delay: 3.213 ms

Loss rate: 0.04%

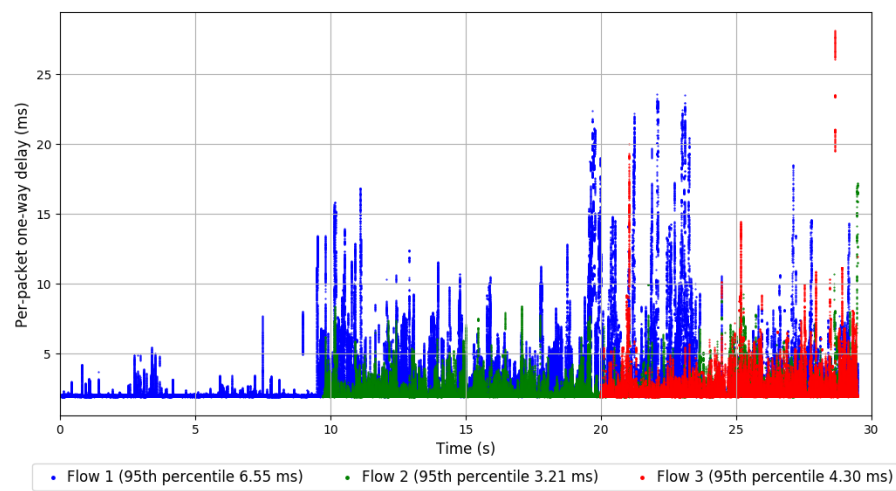
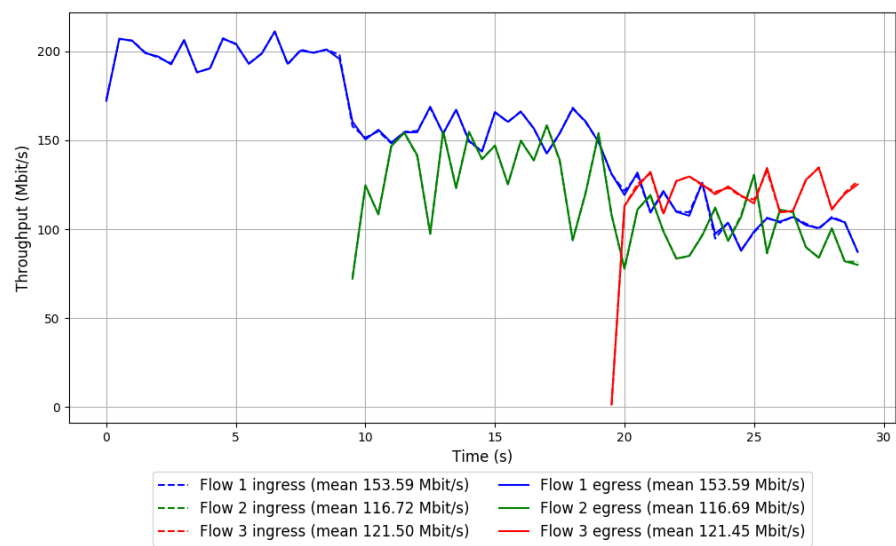
-- Flow 3:

Average throughput: 121.45 Mbit/s

95th percentile per-packet one-way delay: 4.298 ms

Loss rate: 0.11%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-07 23:08:31

End at: 2017-09-07 23:09:01

Local clock offset: -3.666 ms

Remote clock offset: 0.974 ms

Below is generated by plot.py at 2017-09-08 06:50:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.11 Mbit/s

95th percentile per-packet one-way delay: 3.977 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 148.53 Mbit/s

95th percentile per-packet one-way delay: 3.486 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 129.83 Mbit/s

95th percentile per-packet one-way delay: 4.719 ms

Loss rate: 0.02%

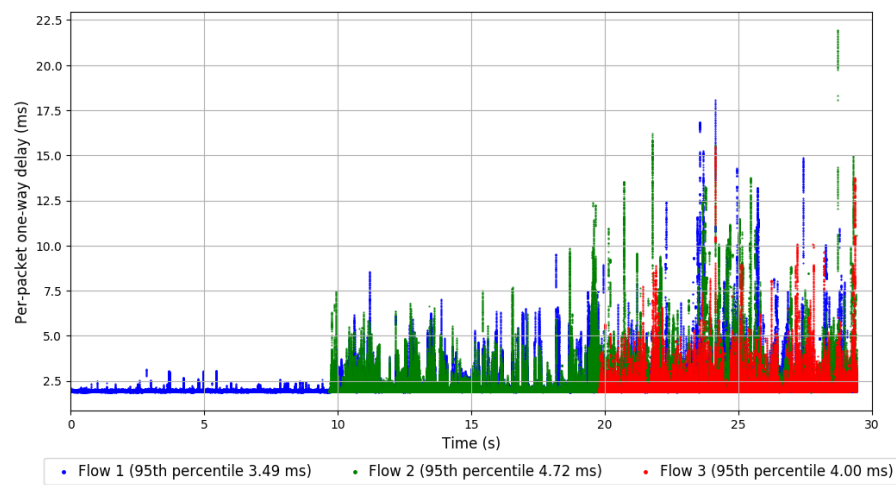
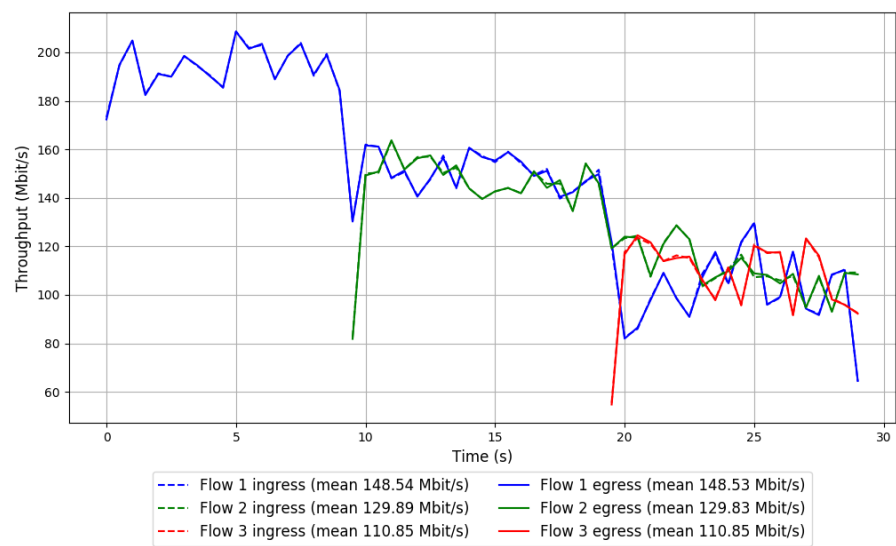
-- Flow 3:

Average throughput: 110.85 Mbit/s

95th percentile per-packet one-way delay: 3.997 ms

Loss rate: 0.03%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-07 23:28:33

End at: 2017-09-07 23:29:04

Local clock offset: -3.616 ms

Remote clock offset: 1.077 ms

Below is generated by plot.py at 2017-09-08 06:50:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.14 Mbit/s

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

Loss rate: 0.02%

-- Flow 1:

Average throughput: 155.38 Mbit/s

95th percentile per-packet one-way delay: 4.345 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 128.34 Mbit/s

95th percentile per-packet one-way delay: 4.735 ms

Loss rate: 0.01%

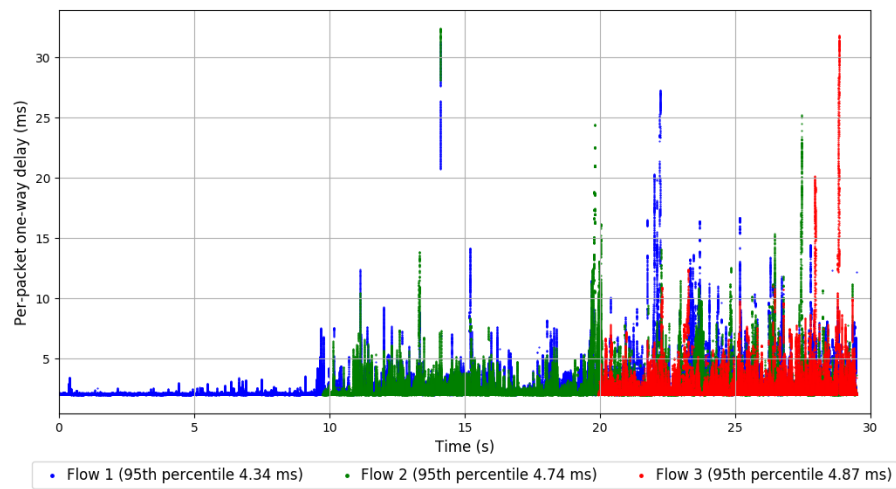
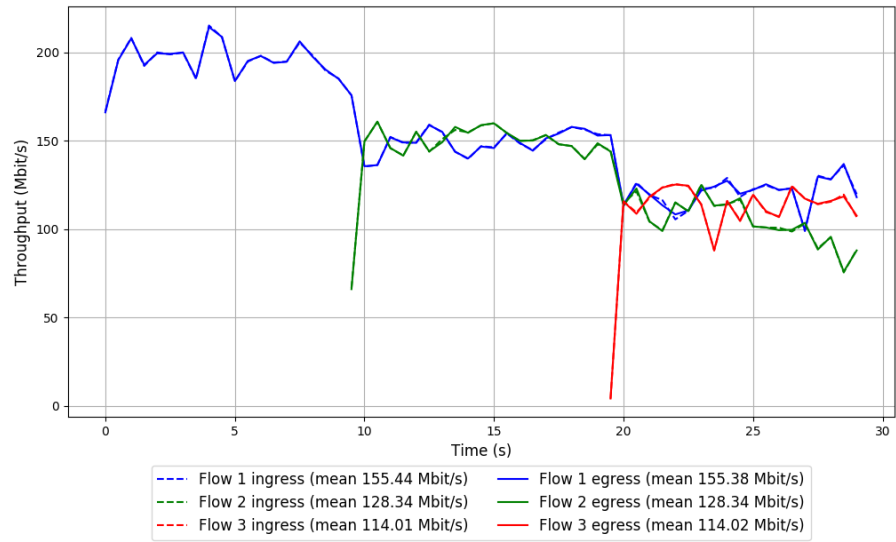
-- Flow 3:

Average throughput: 114.02 Mbit/s

95th percentile per-packet one-way delay: 4.865 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-07 23:48:30

End at: 2017-09-07 23:49:00

Local clock offset: -3.4 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2017-09-08 06:51:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.70 Mbit/s

95th percentile per-packet one-way delay: 4.251 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 146.52 Mbit/s

95th percentile per-packet one-way delay: 3.096 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 135.88 Mbit/s

95th percentile per-packet one-way delay: 5.977 ms

Loss rate: 0.04%

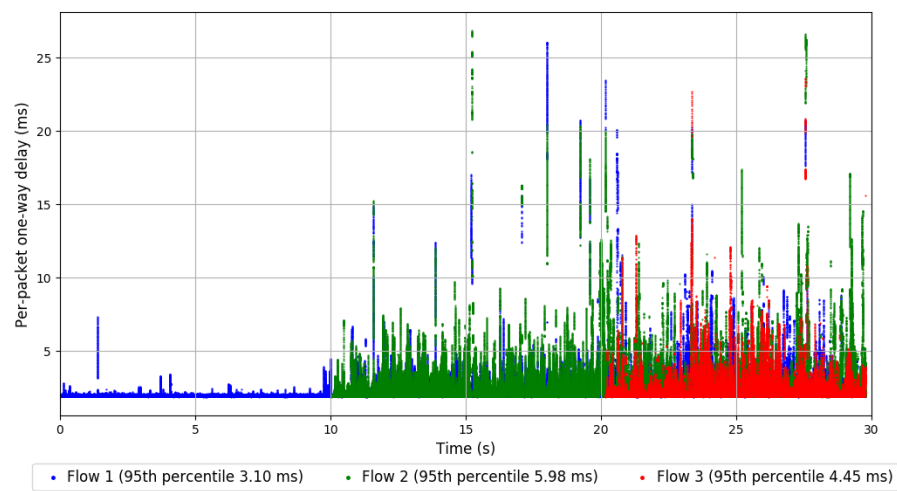
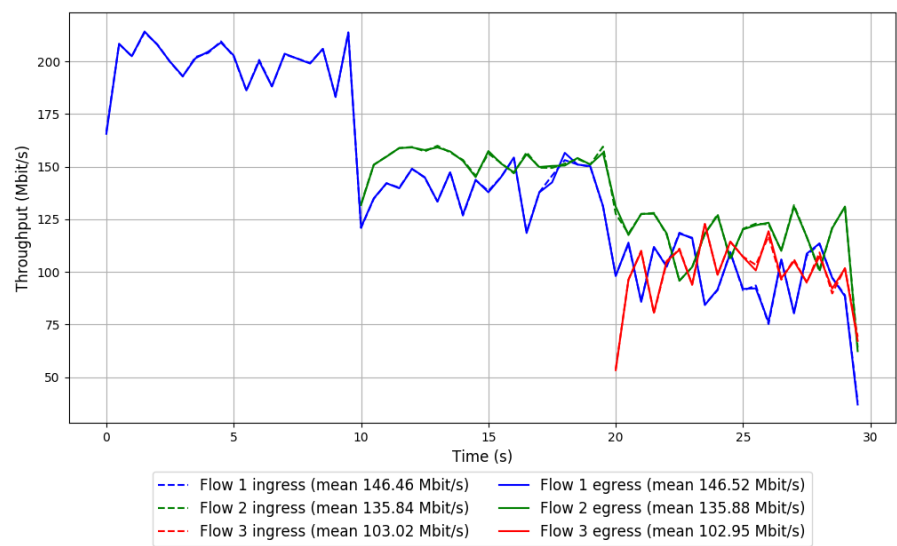
-- Flow 3:

Average throughput: 102.95 Mbit/s

95th percentile per-packet one-way delay: 4.445 ms

Loss rate: 0.12%

Run 6: Report of Indigo — Data Link

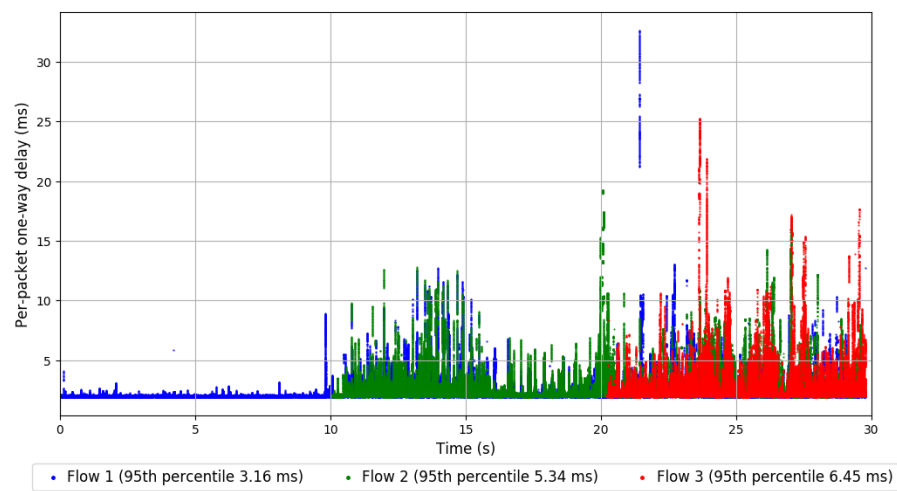
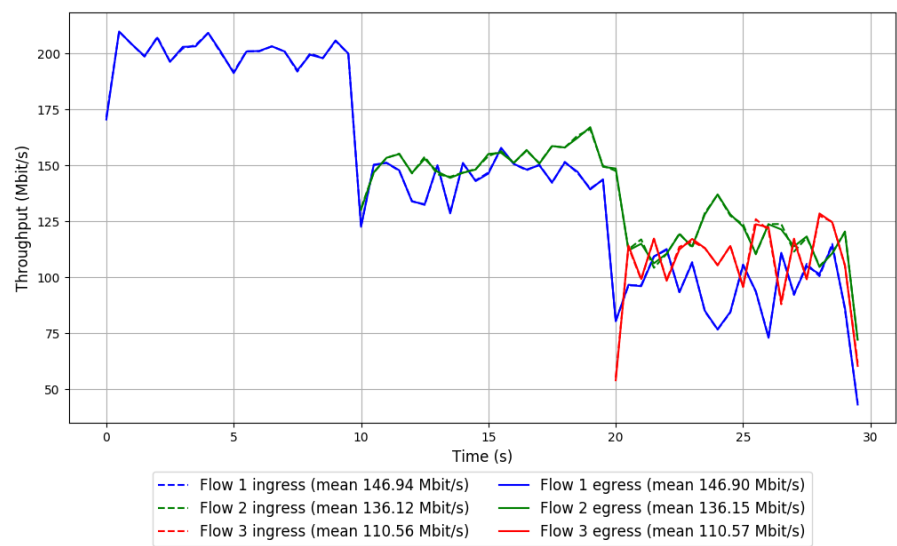


Run 7: Statistics of Indigo

Start at: 2017-09-08 00:08:48
End at: 2017-09-08 00:09:18
Local clock offset: -3.236 ms
Remote clock offset: 0.924 ms

Below is generated by plot.py at 2017-09-08 06:51:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.56 Mbit/s
95th percentile per-packet one-way delay: 4.531 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 146.90 Mbit/s
95th percentile per-packet one-way delay: 3.163 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 136.15 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 110.57 Mbit/s
95th percentile per-packet one-way delay: 6.446 ms
Loss rate: 0.08%

Run 7: Report of Indigo — Data Link

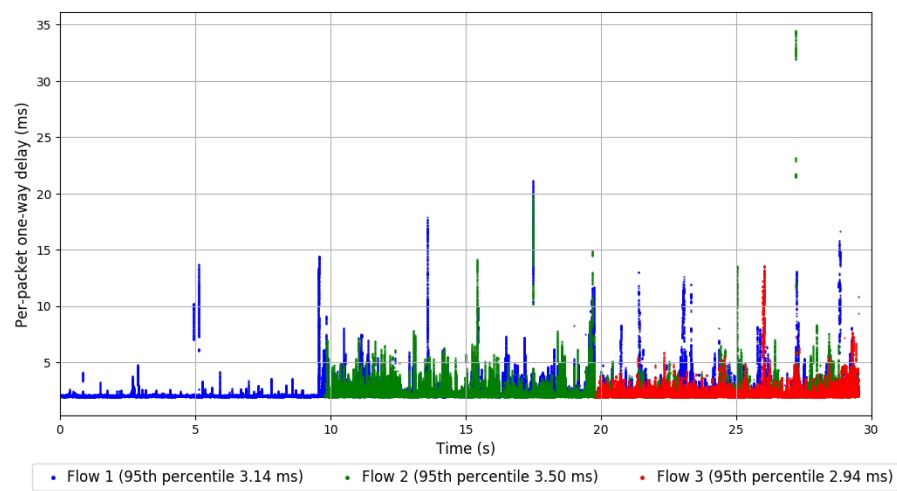
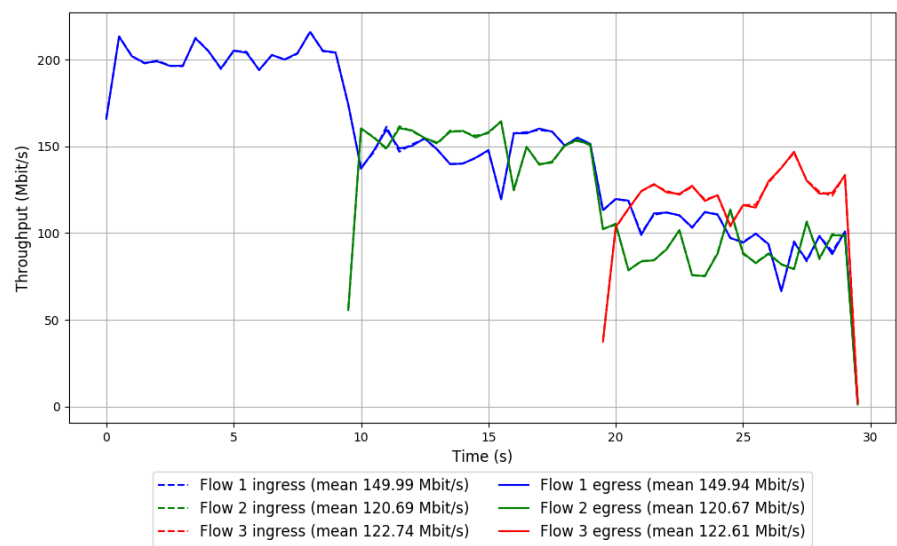


Run 8: Statistics of Indigo

Start at: 2017-09-08 00:29:11
End at: 2017-09-08 00:29:41
Local clock offset: -3.108 ms
Remote clock offset: 0.912 ms

Below is generated by plot.py at 2017-09-08 06:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.96 Mbit/s
95th percentile per-packet one-way delay: 3.221 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 149.94 Mbit/s
95th percentile per-packet one-way delay: 3.139 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 3.505 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 122.61 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.11%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-08 00:49:15

End at: 2017-09-08 00:49:45

Local clock offset: -3.053 ms

Remote clock offset: 0.696 ms

Below is generated by plot.py at 2017-09-08 06:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.46 Mbit/s

95th percentile per-packet one-way delay: 3.579 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 149.25 Mbit/s

95th percentile per-packet one-way delay: 3.283 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 129.83 Mbit/s

95th percentile per-packet one-way delay: 3.854 ms

Loss rate: 0.02%

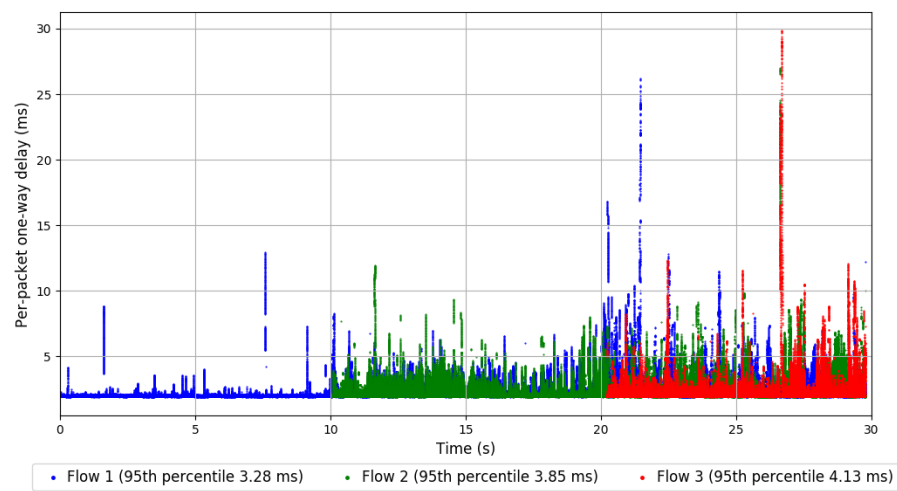
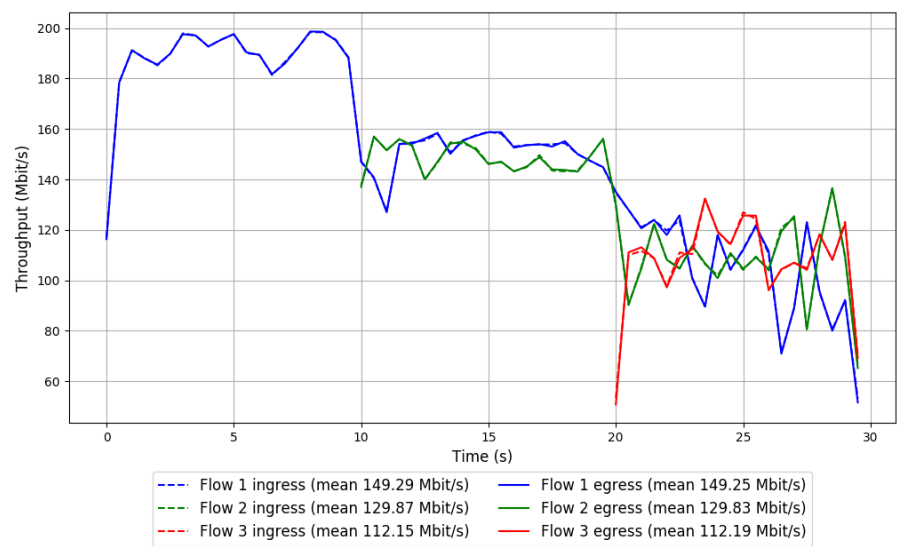
-- Flow 3:

Average throughput: 112.19 Mbit/s

95th percentile per-packet one-way delay: 4.127 ms

Loss rate: 0.11%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-08 01:09:15

End at: 2017-09-08 01:09:45

Local clock offset: -2.958 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2017-09-08 06:52:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.46 Mbit/s

95th percentile per-packet one-way delay: 3.857 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 145.28 Mbit/s

95th percentile per-packet one-way delay: 3.072 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 131.58 Mbit/s

95th percentile per-packet one-way delay: 4.973 ms

Loss rate: 0.01%

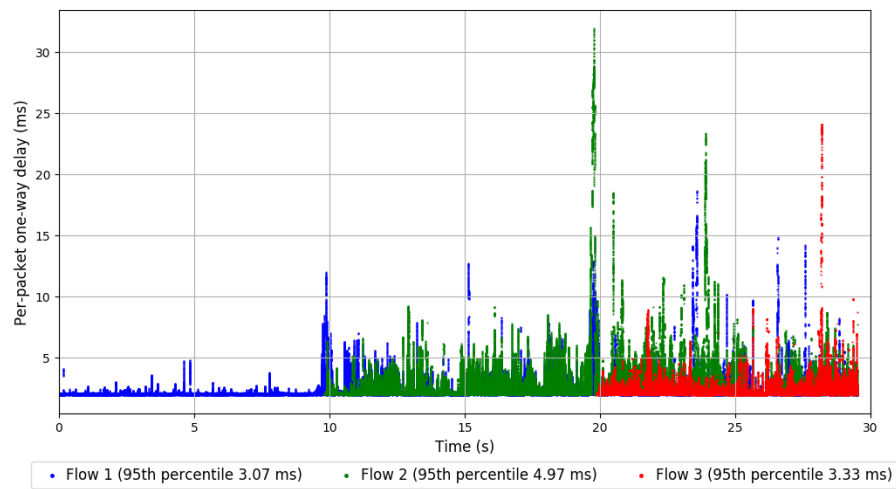
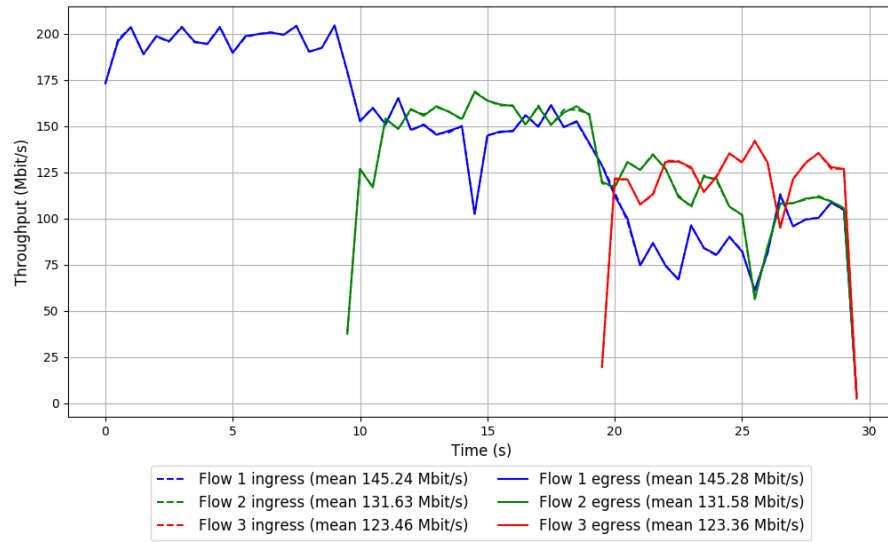
-- Flow 3:

Average throughput: 123.36 Mbit/s

95th percentile per-packet one-way delay: 3.330 ms

Loss rate: 0.04%

Run 10: Report of Indigo — Data Link

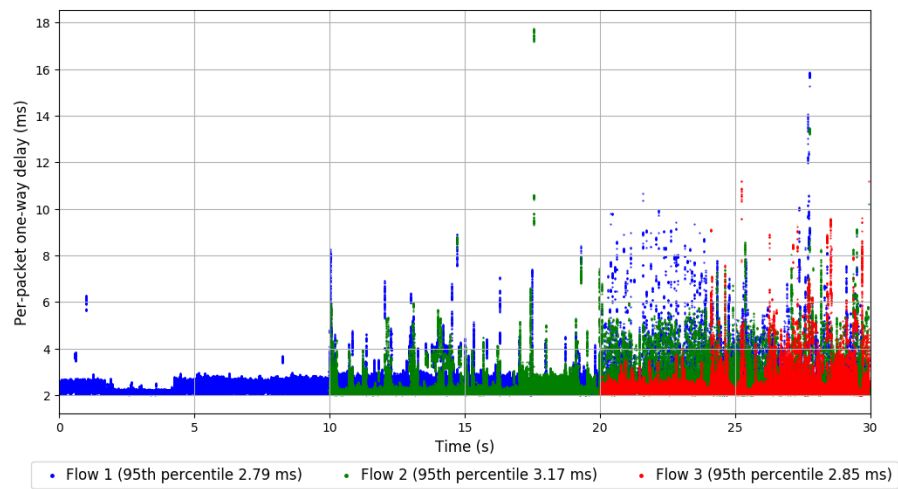
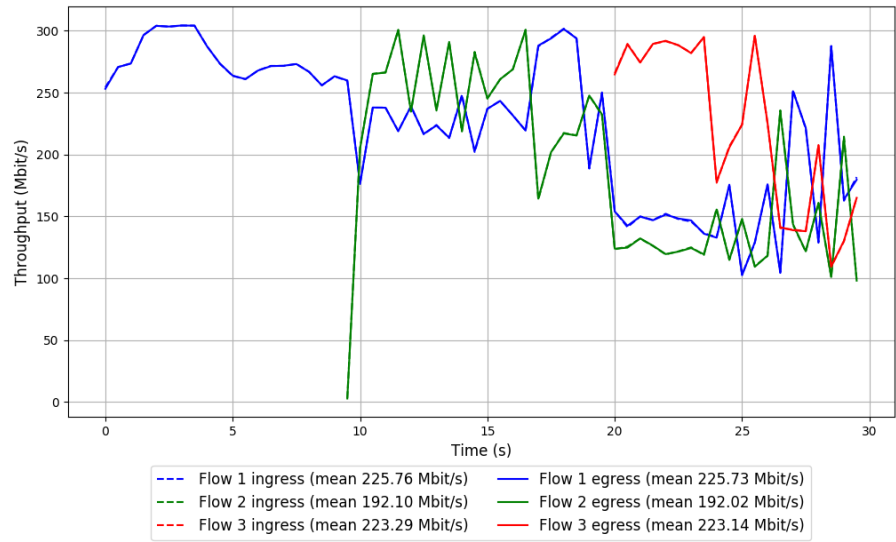


Run 1: Statistics of KohoCC

Start at: 2017-09-07 21:50:15
End at: 2017-09-07 21:50:45
Local clock offset: -3.169 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2017-09-08 06:52:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.75 Mbit/s
95th percentile per-packet one-way delay: 2.897 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 225.73 Mbit/s
95th percentile per-packet one-way delay: 2.792 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 192.02 Mbit/s
95th percentile per-packet one-way delay: 3.167 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 223.14 Mbit/s
95th percentile per-packet one-way delay: 2.855 ms
Loss rate: 0.02%

Run 1: Report of KohoCC — Data Link

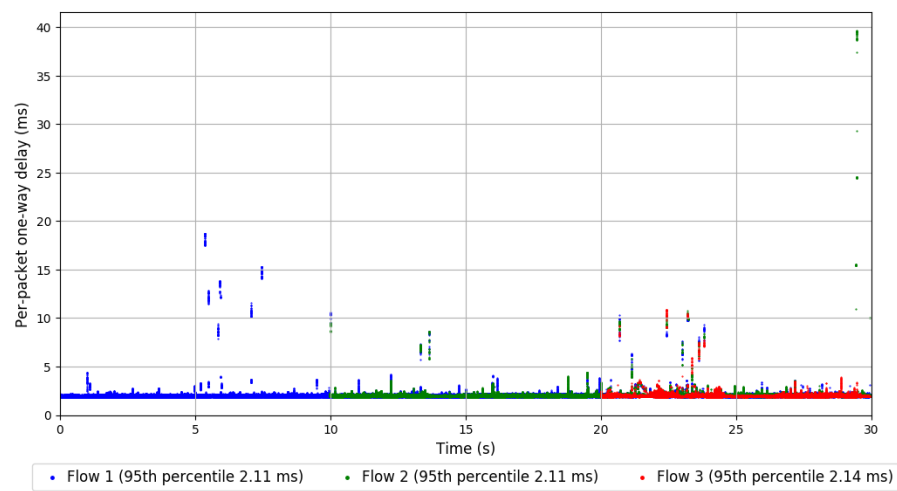
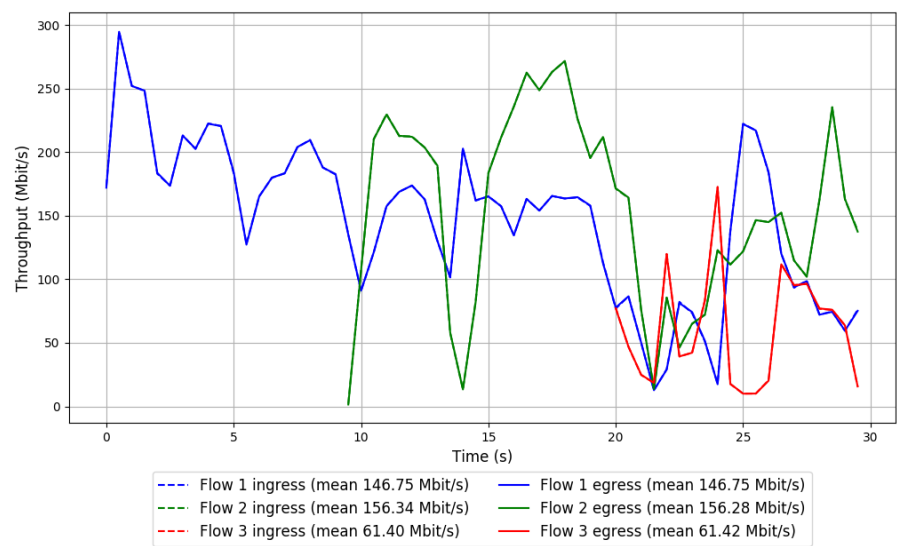


```
Run 2: Statistics of KohoCC

Start at: 2017-09-07 22:10:40
End at: 2017-09-07 22:11:10
Local clock offset: -3.303 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2017-09-08 06:53:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.24 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 146.75 Mbit/s
95th percentile per-packet one-way delay: 2.107 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 156.28 Mbit/s
95th percentile per-packet one-way delay: 2.106 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.01%
```

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: 2017-09-07 22:31:07

End at: 2017-09-07 22:31:37

Local clock offset: -3.395 ms

Remote clock offset: 0.656 ms

Below is generated by plot.py at 2017-09-08 06:53:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.75 Mbit/s

95th percentile per-packet one-way delay: 2.040 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 6.32 Mbit/s

95th percentile per-packet one-way delay: 2.024 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 2.064 ms

Loss rate: 0.01%

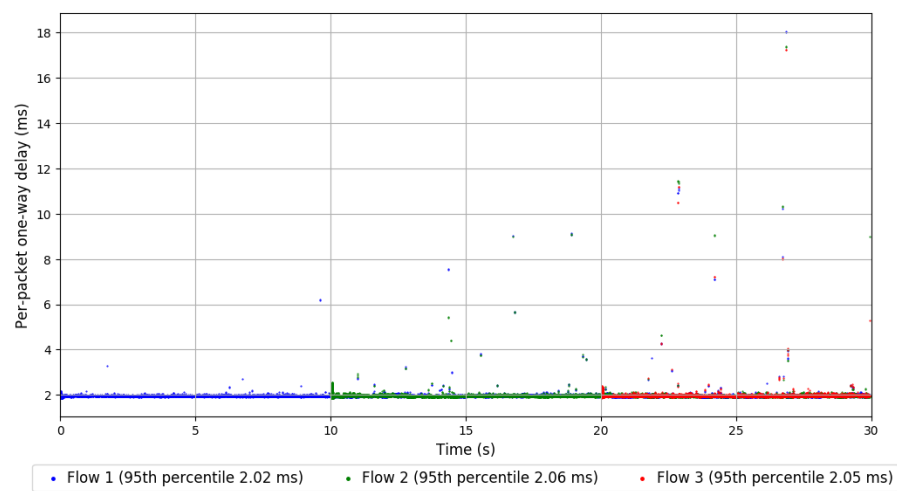
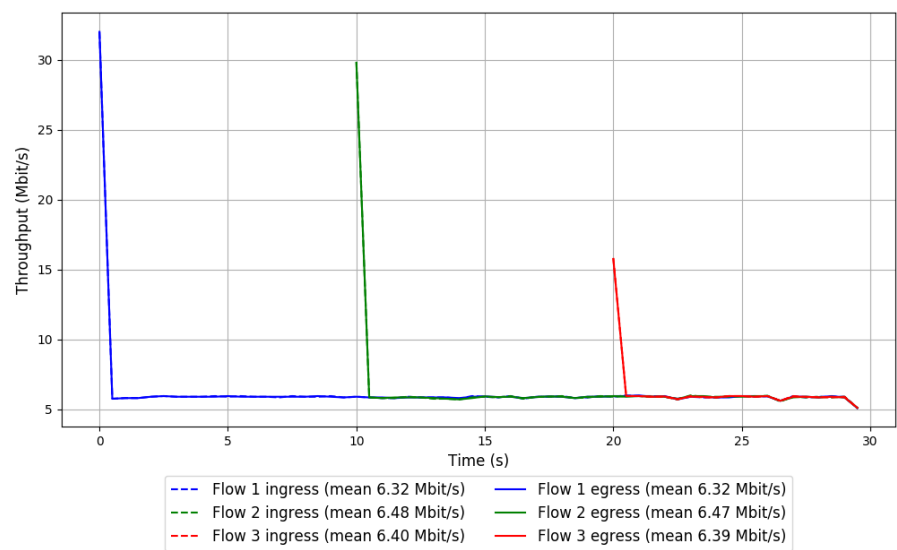
-- Flow 3:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 2.054 ms

Loss rate: 0.02%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-09-07 22:51:05

End at: 2017-09-07 22:51:35

Local clock offset: -3.443 ms

Remote clock offset: 0.869 ms

Below is generated by plot.py at 2017-09-08 06:53:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.76 Mbit/s

95th percentile per-packet one-way delay: 2.392 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 197.26 Mbit/s

95th percentile per-packet one-way delay: 2.393 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 263.14 Mbit/s

95th percentile per-packet one-way delay: 2.380 ms

Loss rate: 0.02%

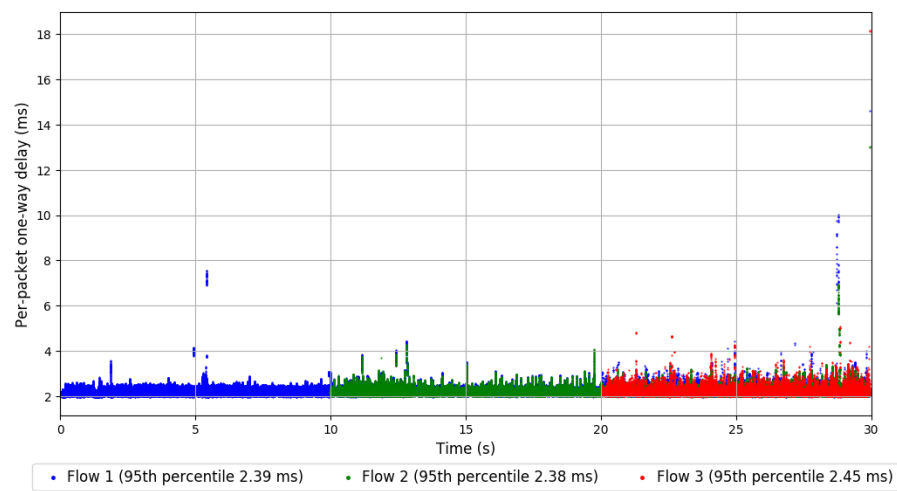
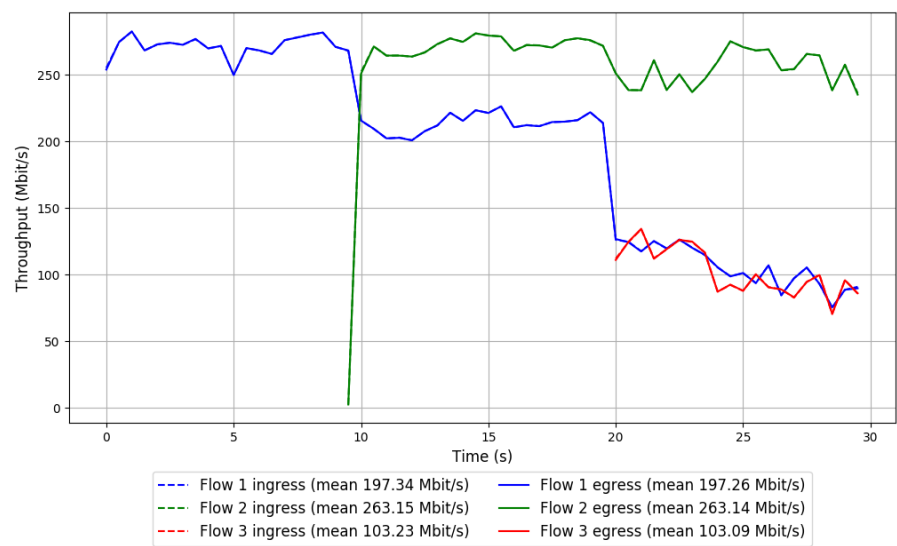
-- Flow 3:

Average throughput: 103.09 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.02%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-09-07 23:11:29

End at: 2017-09-07 23:11:59

Local clock offset: -3.659 ms

Remote clock offset: 1.008 ms

Below is generated by plot.py at 2017-09-08 06:53:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.37 Mbit/s

95th percentile per-packet one-way delay: 2.112 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 2.115 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.80 Mbit/s

95th percentile per-packet one-way delay: 2.114 ms

Loss rate: 0.00%

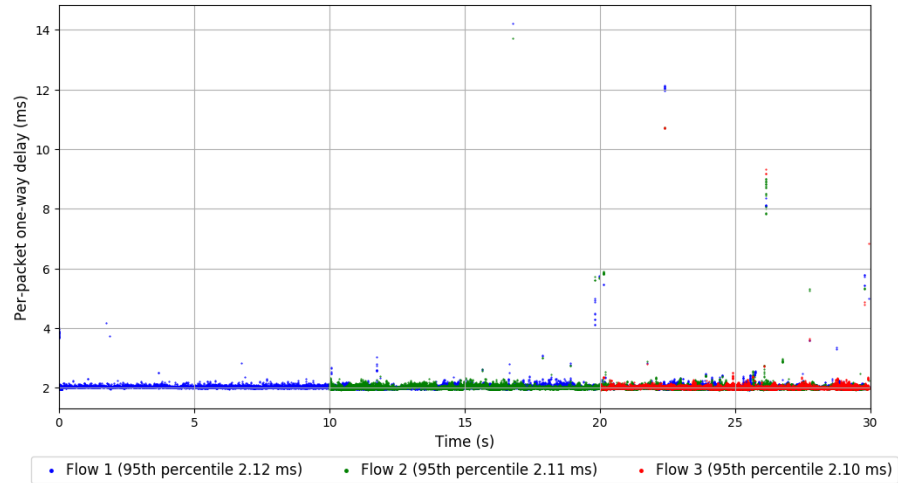
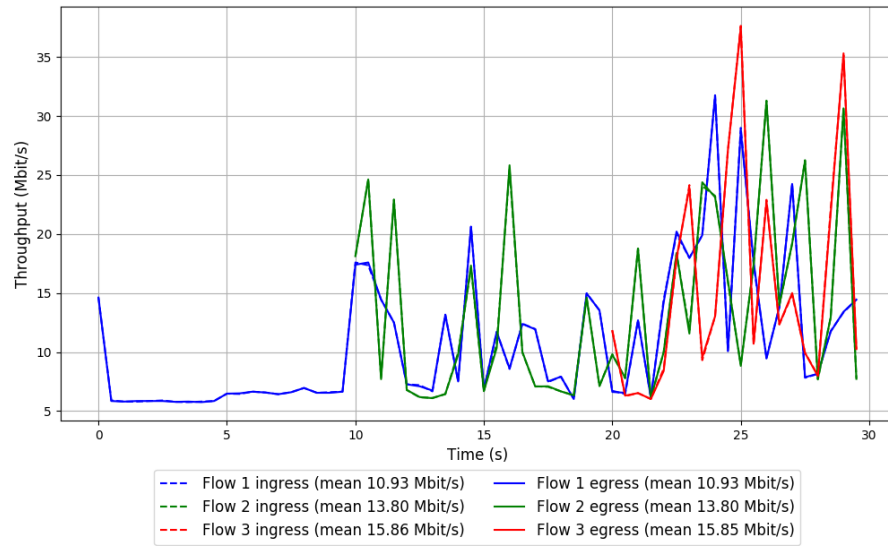
-- Flow 3:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 2.101 ms

Loss rate: 0.03%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-09-07 23:31:30

End at: 2017-09-07 23:32:00

Local clock offset: -3.686 ms

Remote clock offset: 1.087 ms

Below is generated by plot.py at 2017-09-08 06:53:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.25 Mbit/s

95th percentile per-packet one-way delay: 2.081 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 6.87 Mbit/s

95th percentile per-packet one-way delay: 2.074 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 2.083 ms

Loss rate: 0.02%

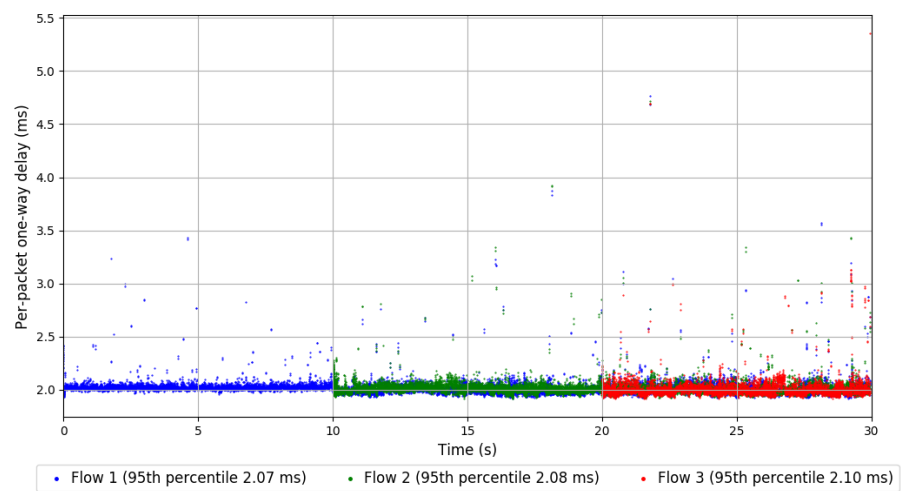
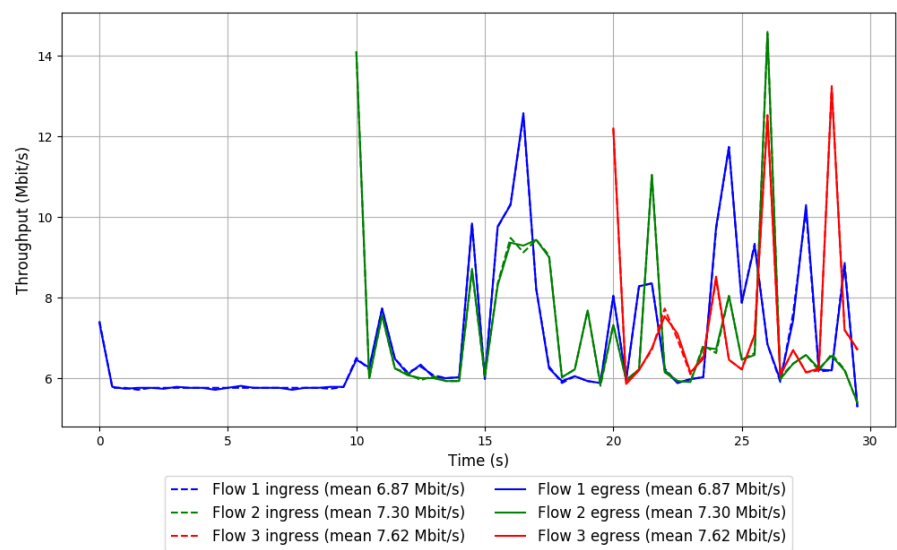
-- Flow 3:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 2.096 ms

Loss rate: 0.02%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: 2017-09-07 23:51:29

End at: 2017-09-07 23:51:59

Local clock offset: -3.336 ms

Remote clock offset: 1.044 ms

Below is generated by plot.py at 2017-09-08 06:53:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 416.77 Mbit/s

95th percentile per-packet one-way delay: 2.298 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 204.94 Mbit/s

95th percentile per-packet one-way delay: 2.278 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 257.35 Mbit/s

95th percentile per-packet one-way delay: 2.306 ms

Loss rate: 0.02%

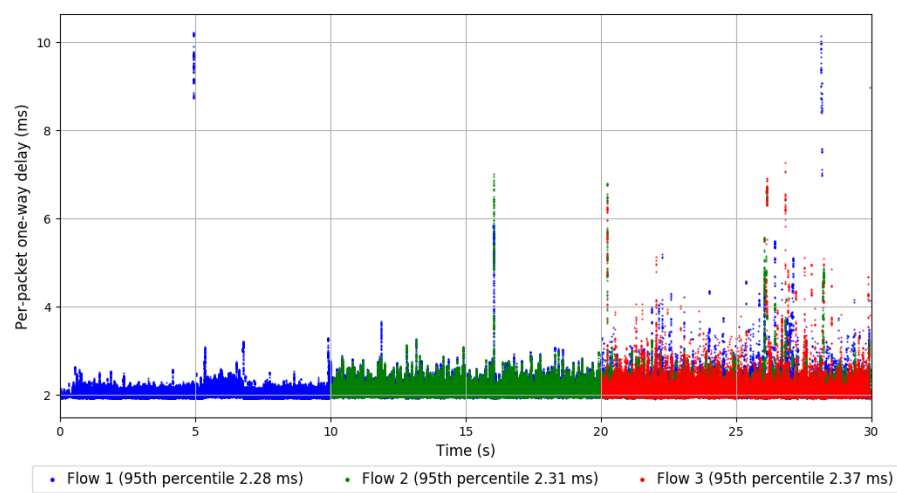
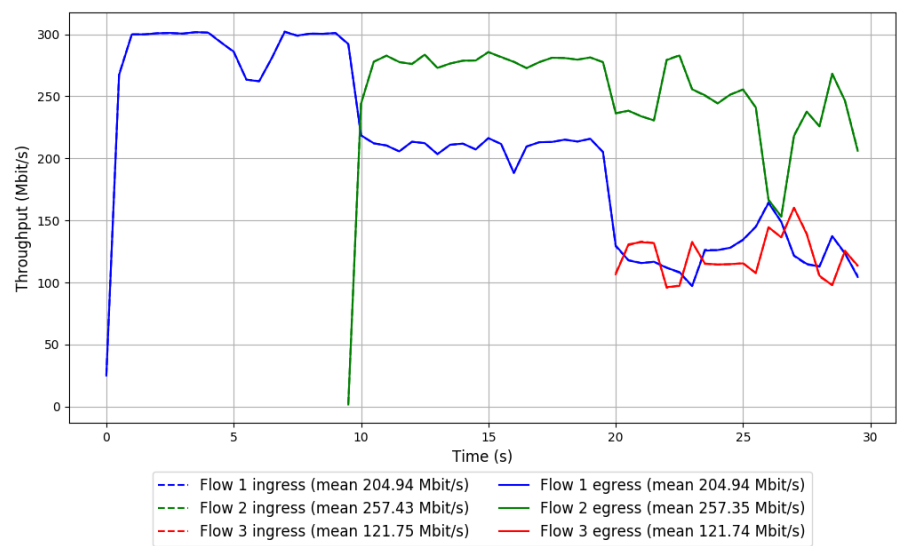
-- Flow 3:

Average throughput: 121.74 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.01%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: 2017-09-08 00:11:43

End at: 2017-09-08 00:12:13

Local clock offset: -3.26 ms

Remote clock offset: 0.934 ms

Below is generated by plot.py at 2017-09-08 06:54:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.14 Mbit/s

95th percentile per-packet one-way delay: 2.735 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 203.39 Mbit/s

95th percentile per-packet one-way delay: 2.719 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 171.64 Mbit/s

95th percentile per-packet one-way delay: 2.962 ms

Loss rate: 0.02%

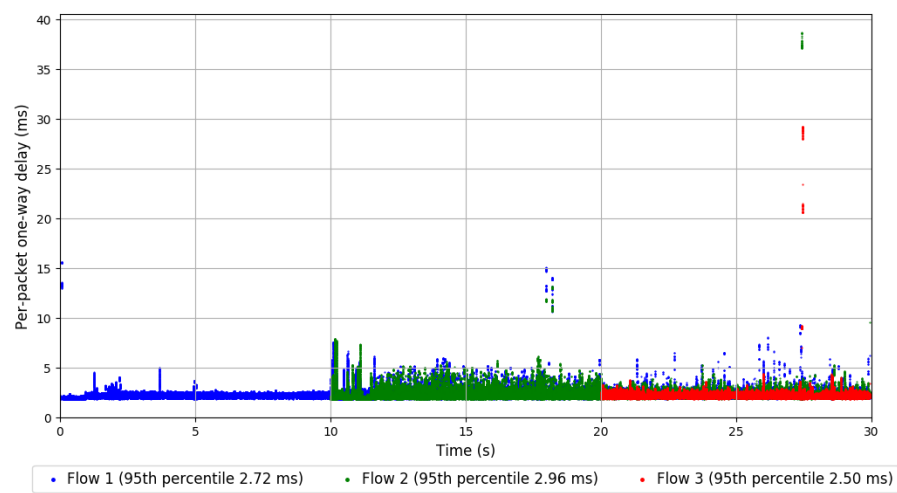
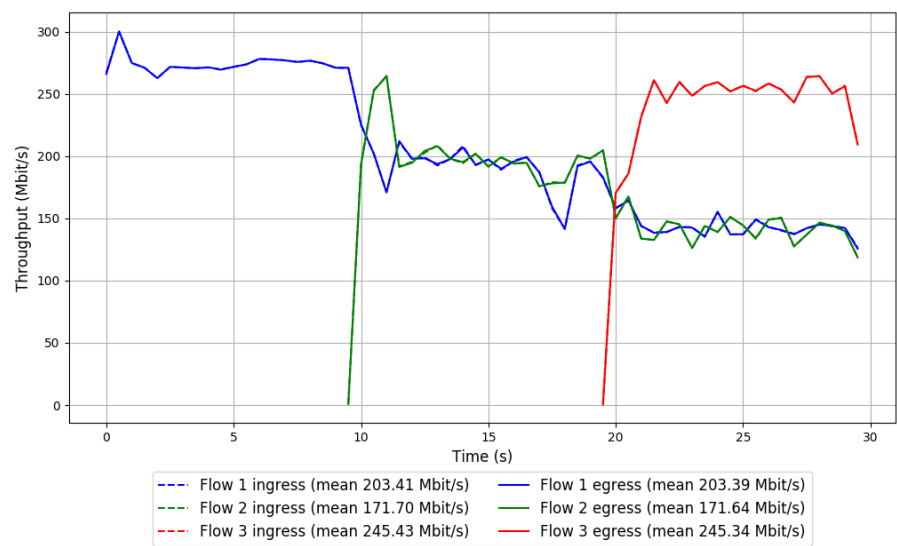
-- Flow 3:

Average throughput: 245.34 Mbit/s

95th percentile per-packet one-way delay: 2.505 ms

Loss rate: 0.06%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-09-08 00:32:04

End at: 2017-09-08 00:32:34

Local clock offset: -3.111 ms

Remote clock offset: 0.915 ms

Below is generated by plot.py at 2017-09-08 06:54:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 2.093 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.34 Mbit/s

95th percentile per-packet one-way delay: 2.823 ms

Loss rate: 0.00%

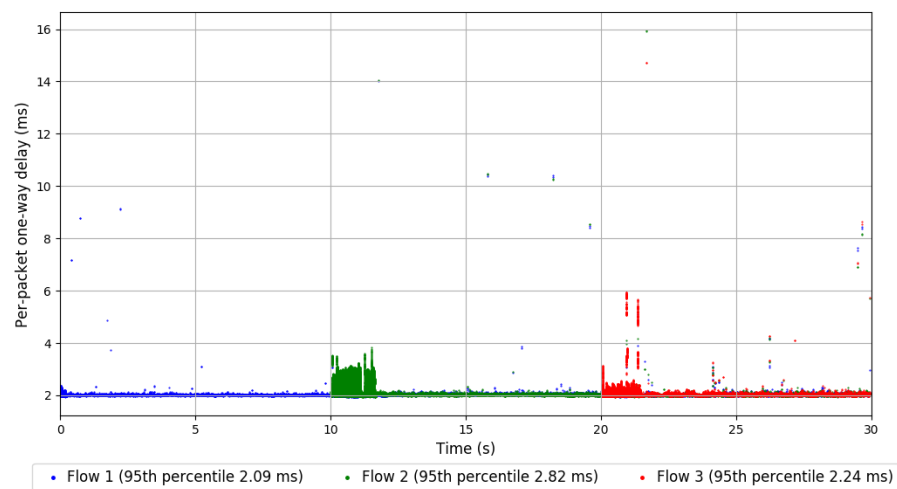
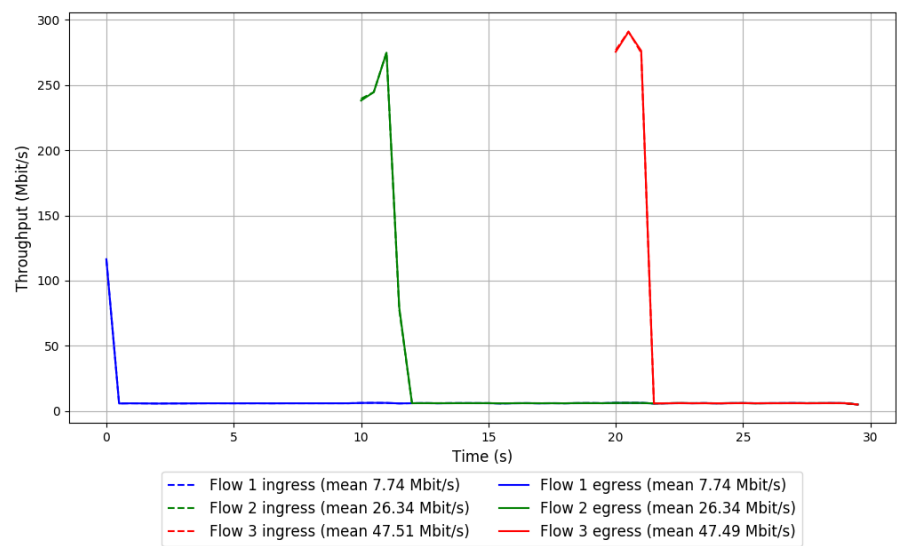
-- Flow 3:

Average throughput: 47.49 Mbit/s

95th percentile per-packet one-way delay: 2.238 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-09-08 00:52:14

End at: 2017-09-08 00:52:44

Local clock offset: -3.013 ms

Remote clock offset: 0.672 ms

Below is generated by plot.py at 2017-09-08 06:54:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 2.103 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 2.103 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 2.103 ms

Loss rate: 0.02%

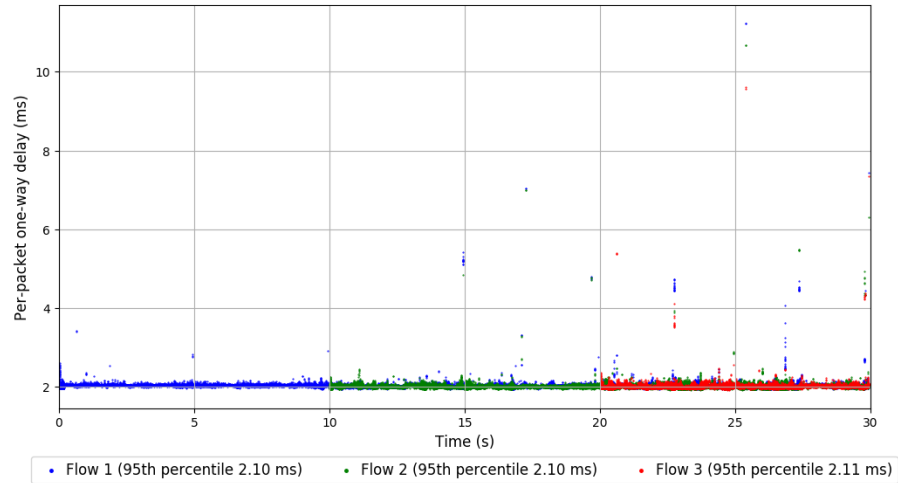
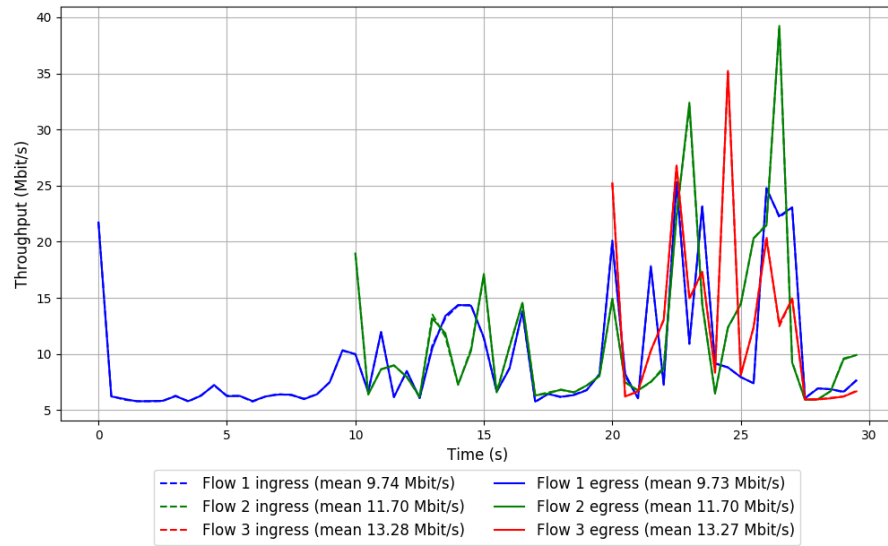
-- Flow 3:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 2.107 ms

Loss rate: 0.04%

Run 10: Report of KohoCC — Data Link

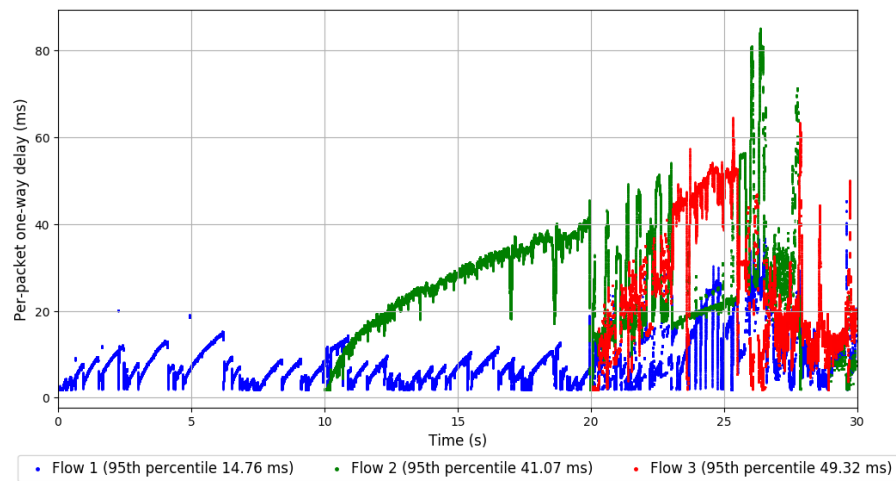
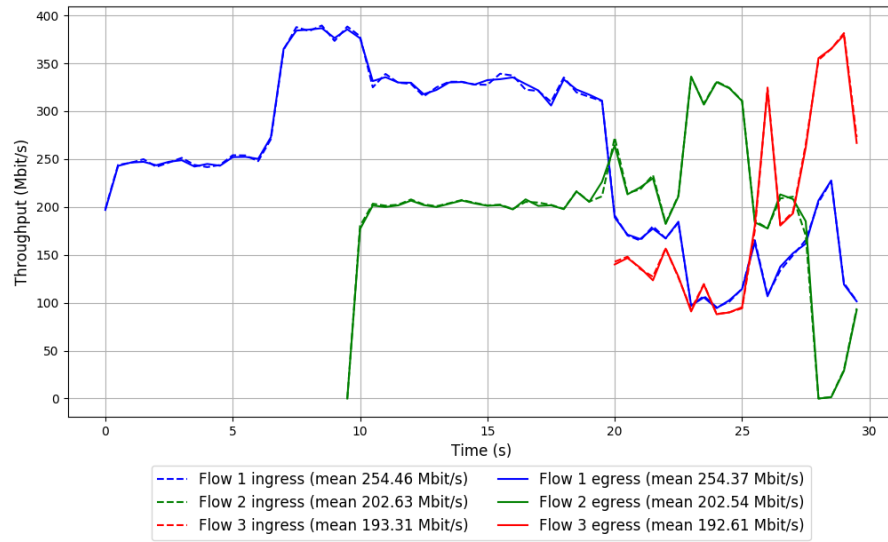


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-07 22:04:33
End at: 2017-09-07 22:05:03
Local clock offset: -3.212 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2017-09-08 06:55:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 453.08 Mbit/s
95th percentile per-packet one-way delay: 37.315 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 254.37 Mbit/s
95th percentile per-packet one-way delay: 14.761 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 202.54 Mbit/s
95th percentile per-packet one-way delay: 41.073 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 192.61 Mbit/s
95th percentile per-packet one-way delay: 49.322 ms
Loss rate: 0.44%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-07 22:24:54

End at: 2017-09-07 22:25:24

Local clock offset: -3.303 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2017-09-08 06:55:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.64 Mbit/s

95th percentile per-packet one-way delay: 56.212 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 259.06 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 256.20 Mbit/s

95th percentile per-packet one-way delay: 52.042 ms

Loss rate: 0.17%

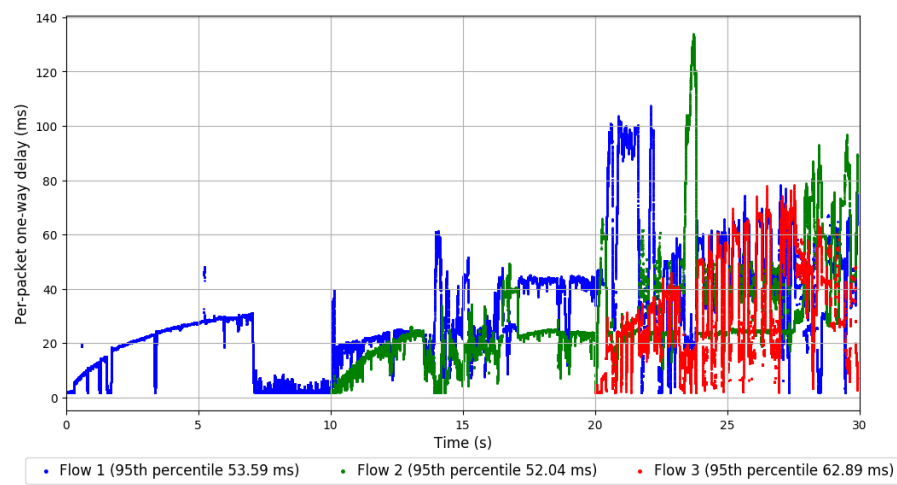
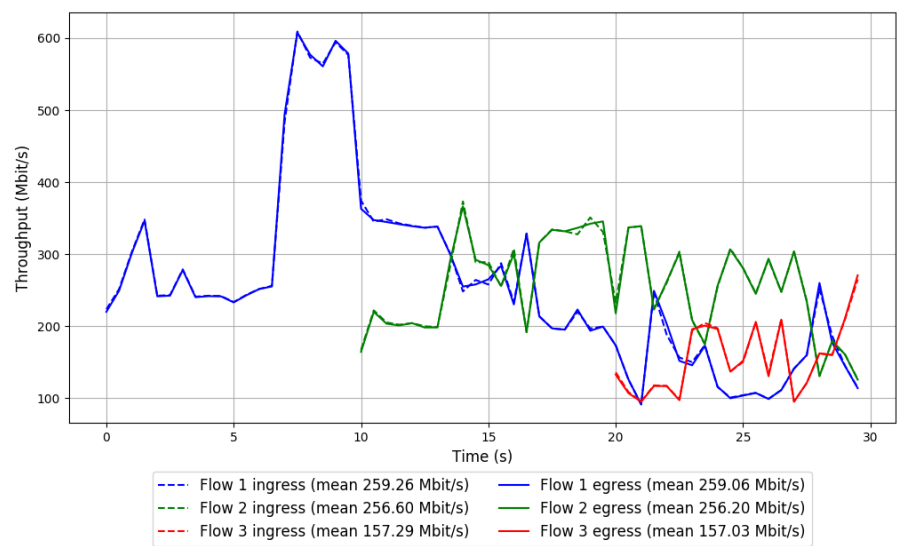
-- Flow 3:

Average throughput: 157.03 Mbit/s

95th percentile per-packet one-way delay: 62.887 ms

Loss rate: 0.18%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-07 22:44:58

End at: 2017-09-07 22:45:28

Local clock offset: -3.427 ms

Remote clock offset: 0.807 ms

Below is generated by plot.py at 2017-09-08 06:56:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 466.86 Mbit/s

95th percentile per-packet one-way delay: 59.961 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 285.28 Mbit/s

95th percentile per-packet one-way delay: 61.187 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 180.28 Mbit/s

95th percentile per-packet one-way delay: 58.160 ms

Loss rate: 0.18%

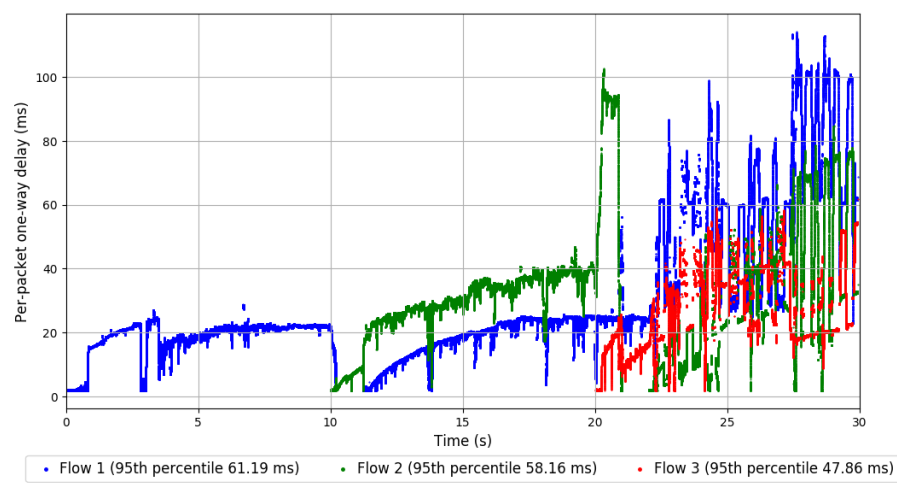
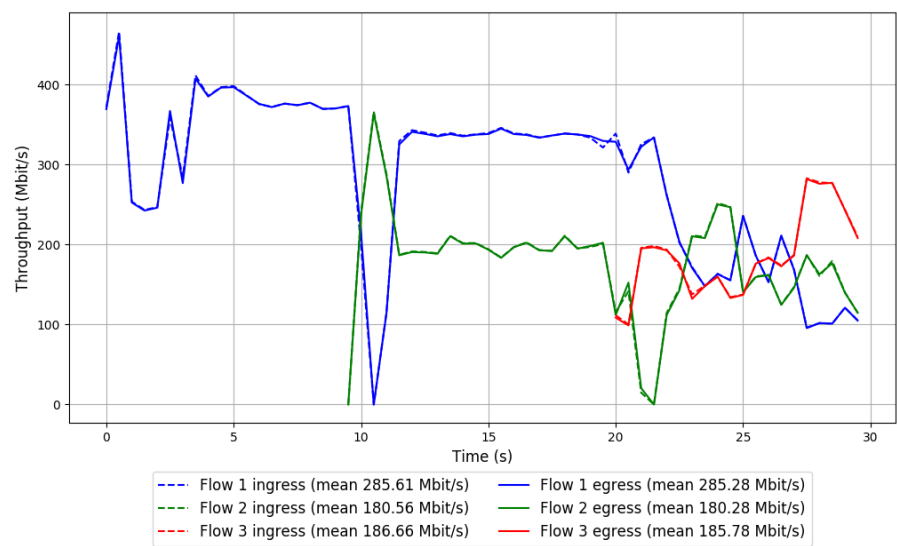
-- Flow 3:

Average throughput: 185.78 Mbit/s

95th percentile per-packet one-way delay: 47.859 ms

Loss rate: 0.43%

Run 3: Report of LEDBAT — Data Link

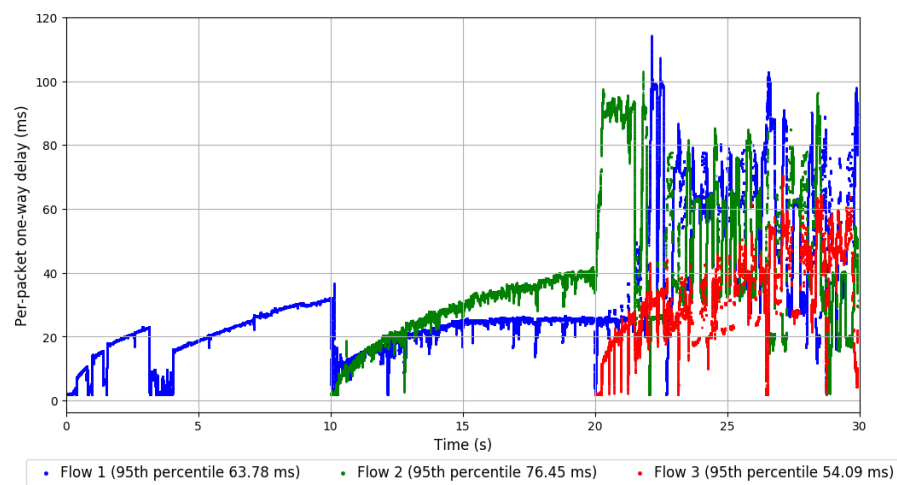
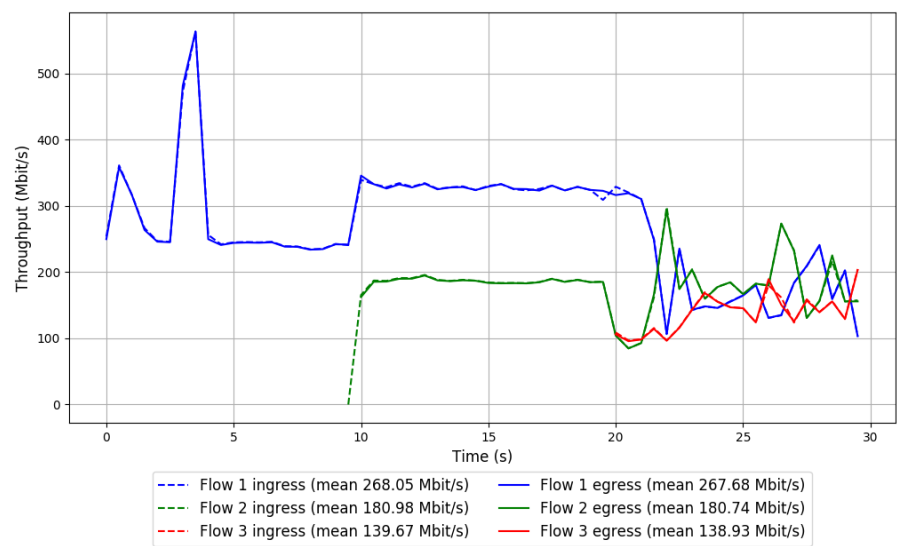


Run 4: Statistics of LEDBAT

Start at: 2017-09-07 23:05:19
End at: 2017-09-07 23:05:49
Local clock offset: -3.545 ms
Remote clock offset: 0.936 ms

Below is generated by plot.py at 2017-09-08 06:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.07 Mbit/s
95th percentile per-packet one-way delay: 64.631 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 267.68 Mbit/s
95th percentile per-packet one-way delay: 63.777 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 180.74 Mbit/s
95th percentile per-packet one-way delay: 76.452 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 138.93 Mbit/s
95th percentile per-packet one-way delay: 54.086 ms
Loss rate: 0.49%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-07 23:25:26

End at: 2017-09-07 23:25:56

Local clock offset: -3.746 ms

Remote clock offset: 1.109 ms

Below is generated by plot.py at 2017-09-08 06:57:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.62 Mbit/s

95th percentile per-packet one-way delay: 44.277 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 292.23 Mbit/s

95th percentile per-packet one-way delay: 39.992 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 169.43 Mbit/s

95th percentile per-packet one-way delay: 32.515 ms

Loss rate: 0.03%

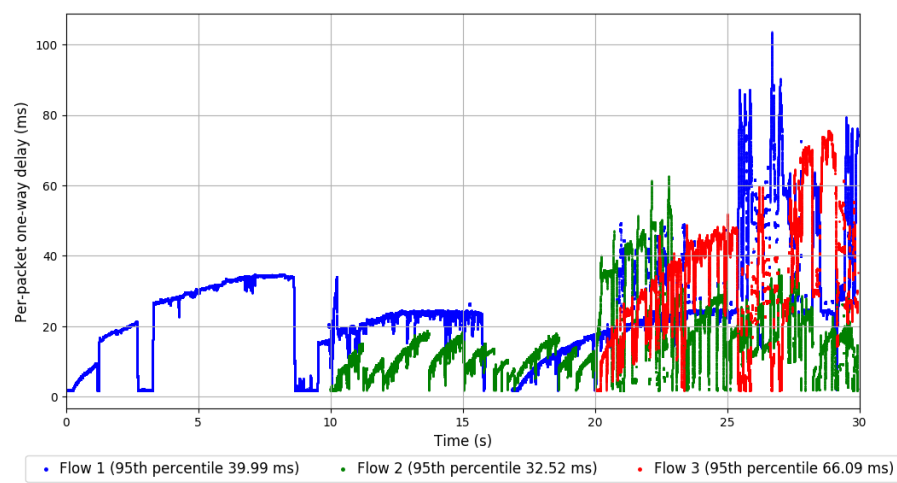
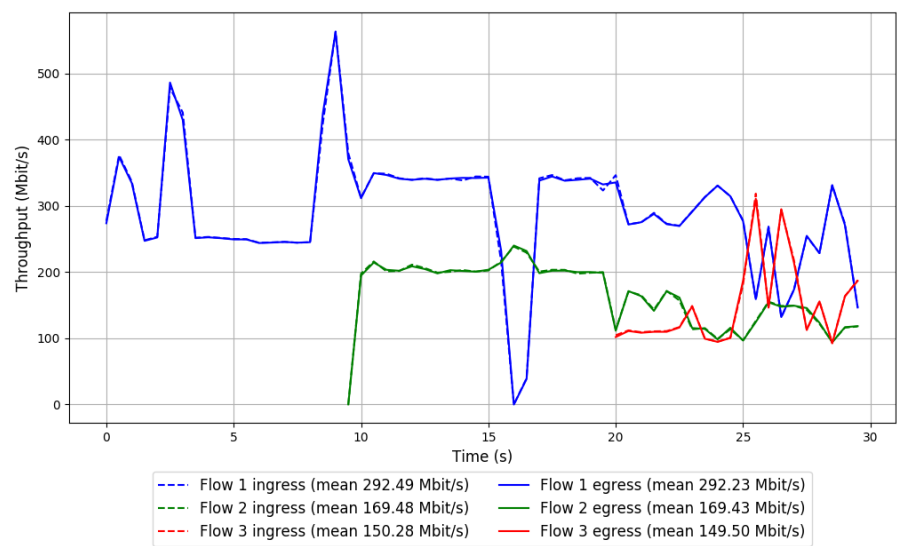
-- Flow 3:

Average throughput: 149.50 Mbit/s

95th percentile per-packet one-way delay: 66.088 ms

Loss rate: 0.48%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-07 23:45:16

End at: 2017-09-07 23:45:46

Local clock offset: -3.501 ms

Remote clock offset: 1.071 ms

Below is generated by plot.py at 2017-09-08 06:57:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.20 Mbit/s

95th percentile per-packet one-way delay: 42.330 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 262.69 Mbit/s

95th percentile per-packet one-way delay: 42.937 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 258.70 Mbit/s

95th percentile per-packet one-way delay: 38.073 ms

Loss rate: 0.12%

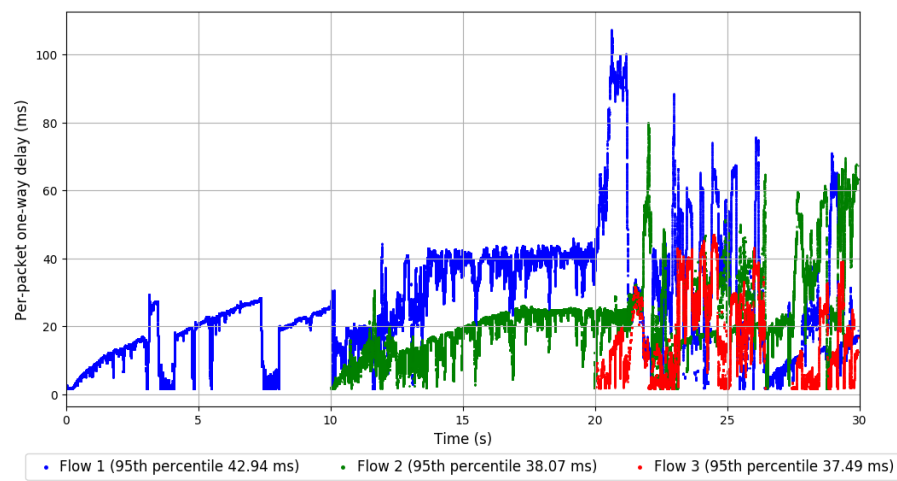
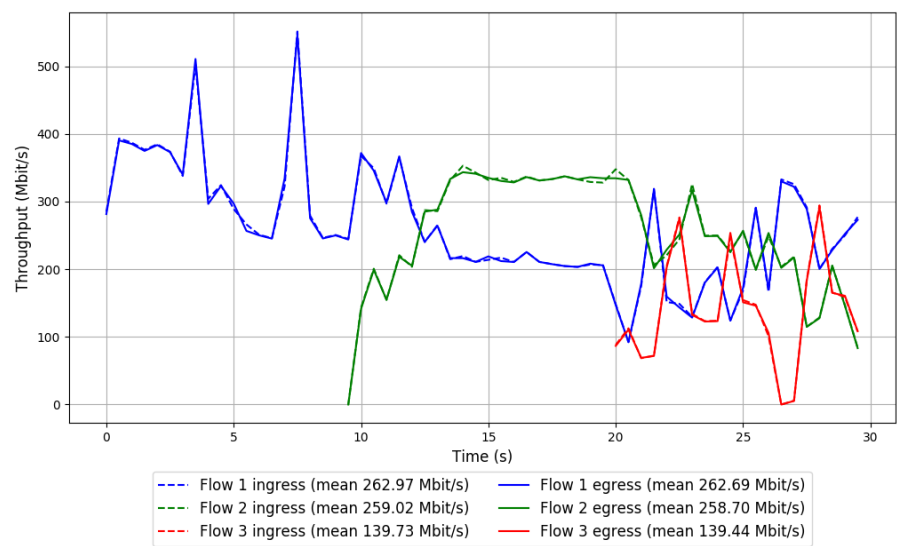
-- Flow 3:

Average throughput: 139.44 Mbit/s

95th percentile per-packet one-way delay: 37.491 ms

Loss rate: 0.21%

Run 6: Report of LEDBAT — Data Link

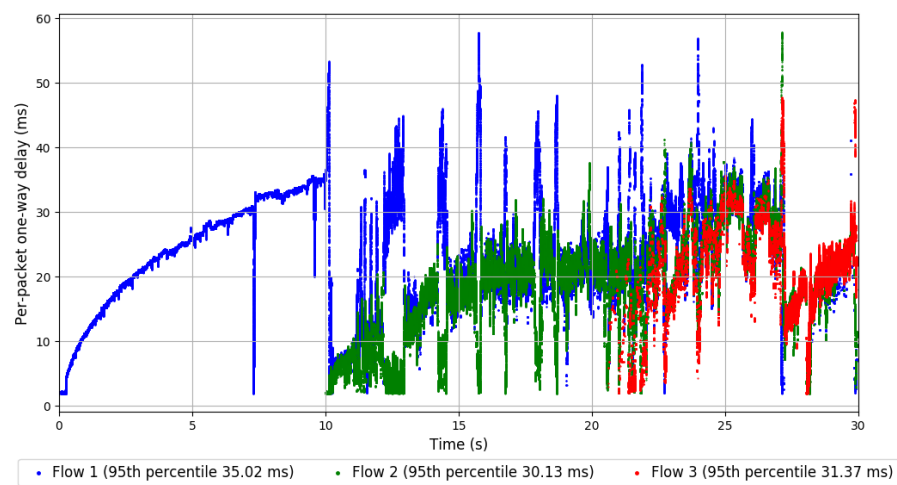
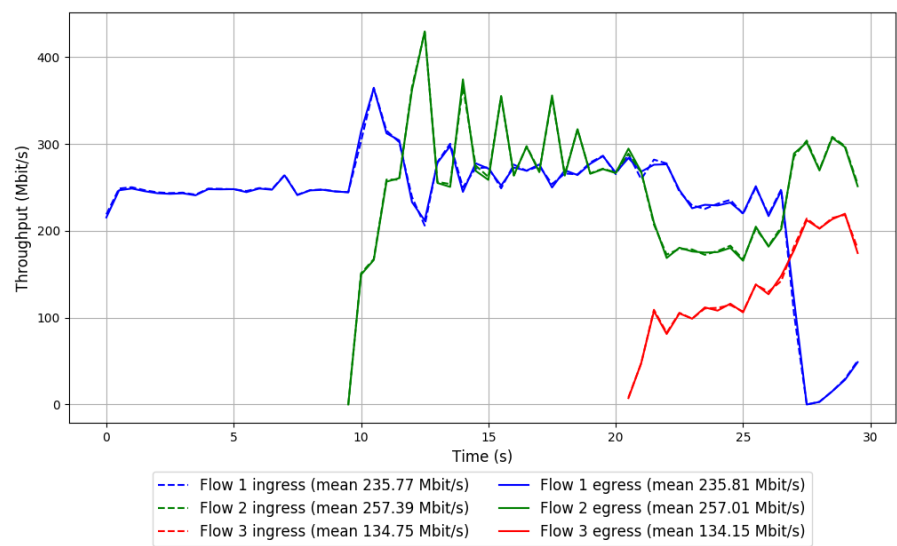


Run 7: Statistics of LEDBAT

Start at: 2017-09-08 00:05:38
End at: 2017-09-08 00:06:08
Local clock offset: -3.227 ms
Remote clock offset: 0.961 ms

Below is generated by plot.py at 2017-09-08 06:58:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 448.79 Mbit/s
95th percentile per-packet one-way delay: 33.769 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 235.81 Mbit/s
95th percentile per-packet one-way delay: 35.017 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 257.01 Mbit/s
95th percentile per-packet one-way delay: 30.130 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 31.369 ms
Loss rate: 0.55%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-09-08 00:26:00

End at: 2017-09-08 00:26:30

Local clock offset: -3.137 ms

Remote clock offset: 0.919 ms

Below is generated by plot.py at 2017-09-08 06:58:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.88 Mbit/s

95th percentile per-packet one-way delay: 32.920 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 256.86 Mbit/s

95th percentile per-packet one-way delay: 33.677 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 251.23 Mbit/s

95th percentile per-packet one-way delay: 30.682 ms

Loss rate: 0.17%

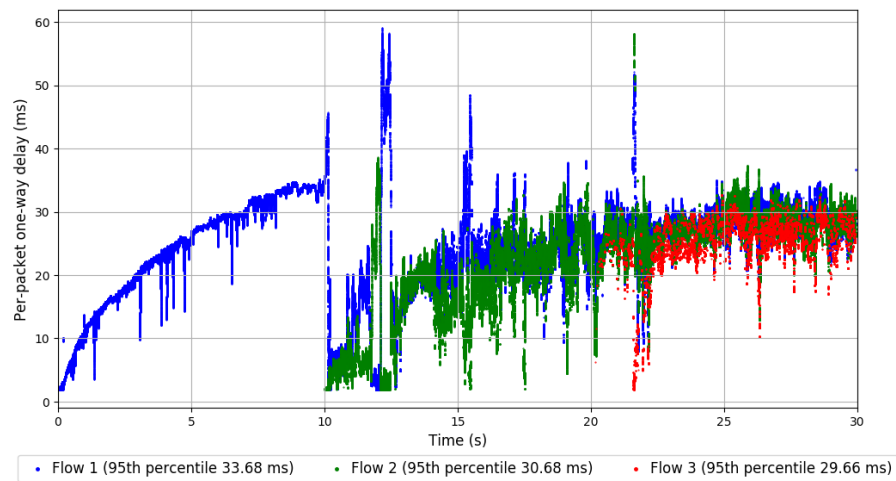
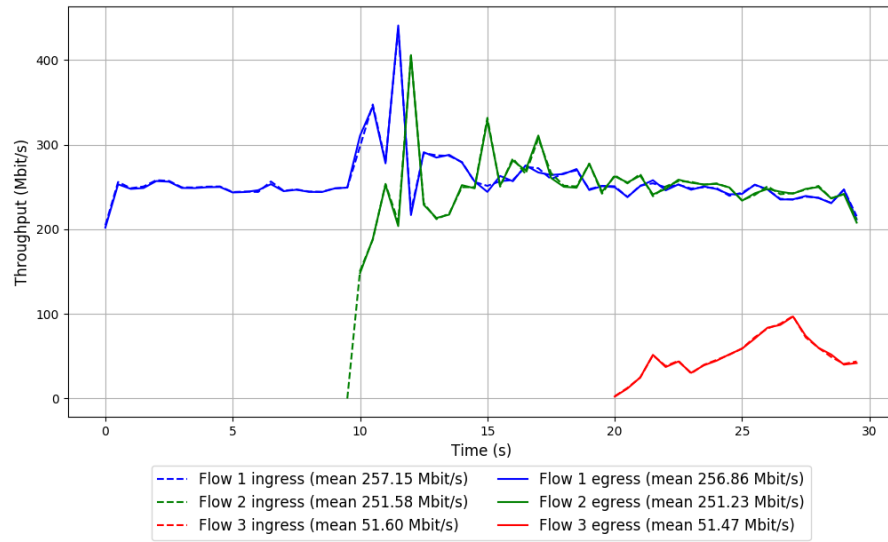
-- Flow 3:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 29.663 ms

Loss rate: 0.37%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-08 00:45:59

End at: 2017-09-08 00:46:29

Local clock offset: -3.149 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2017-09-08 06:59:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 479.00 Mbit/s

95th percentile per-packet one-way delay: 55.610 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 308.91 Mbit/s

95th percentile per-packet one-way delay: 48.940 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 178.37 Mbit/s

95th percentile per-packet one-way delay: 60.270 ms

Loss rate: 0.21%

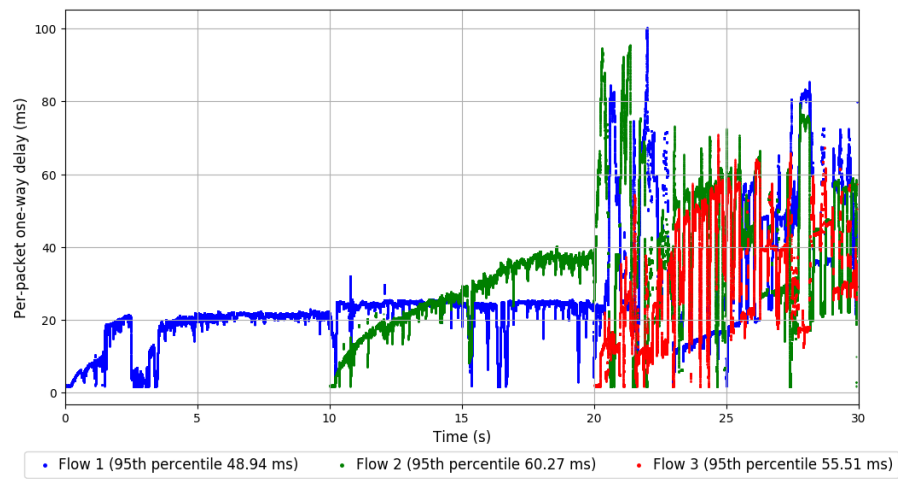
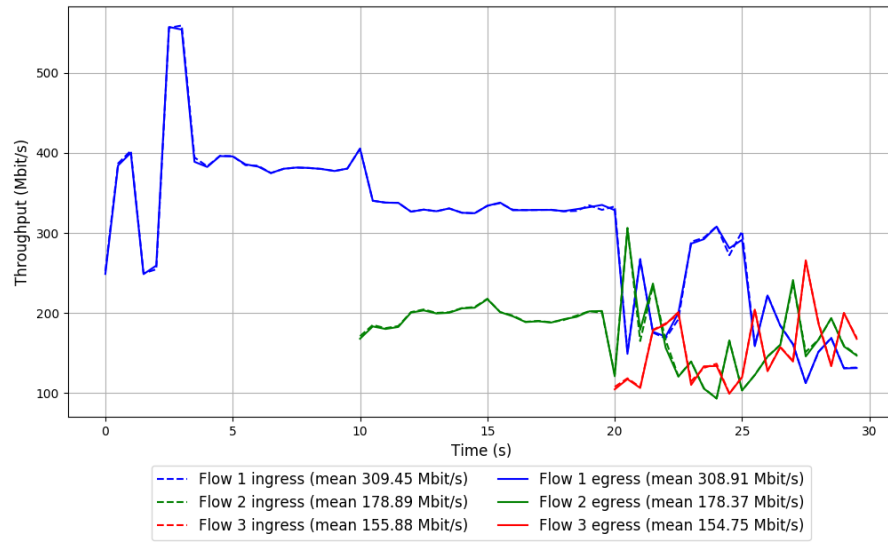
-- Flow 3:

Average throughput: 154.75 Mbit/s

95th percentile per-packet one-way delay: 55.505 ms

Loss rate: 0.46%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

End at: 2017-09-08 01:06:36

Local clock offset: -2.95 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2017-09-08 06:59:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.11 Mbit/s

95th percentile per-packet one-way delay: 60.630 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 260.52 Mbit/s

95th percentile per-packet one-way delay: 50.146 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 199.83 Mbit/s

95th percentile per-packet one-way delay: 68.366 ms

Loss rate: 0.11%

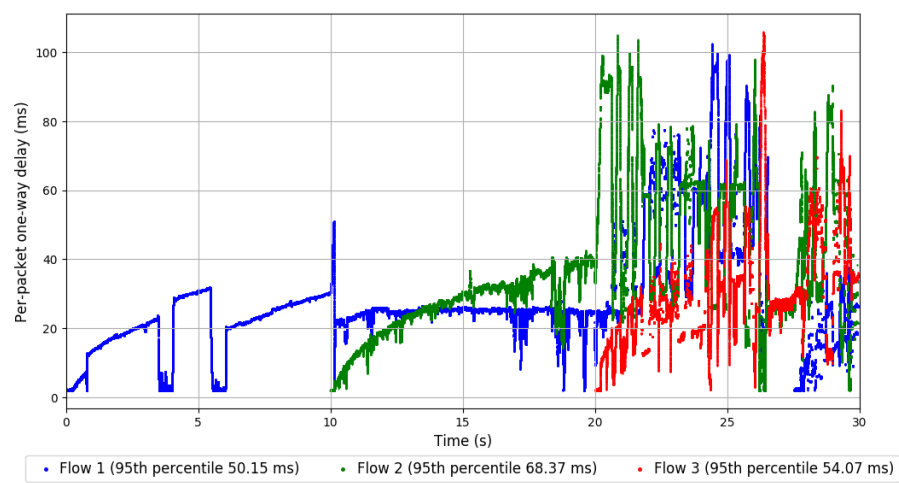
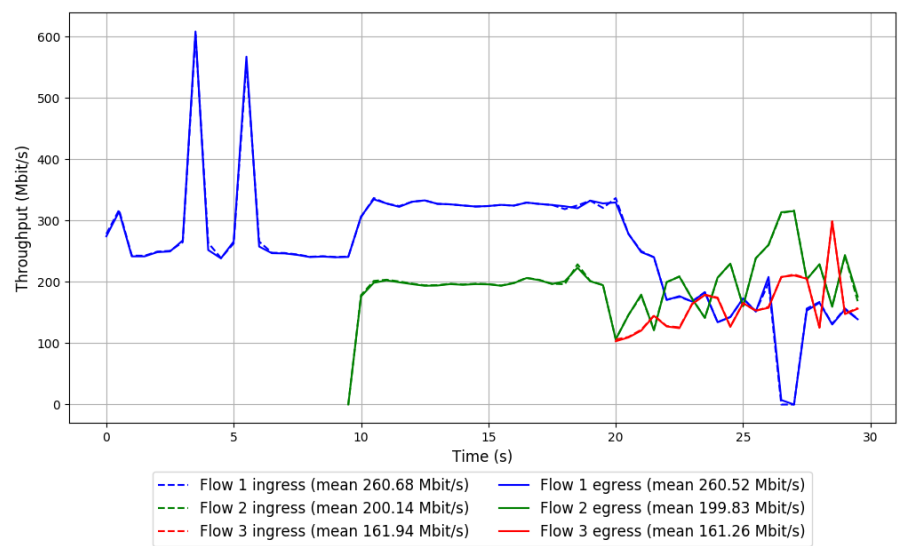
-- Flow 3:

Average throughput: 161.26 Mbit/s

95th percentile per-packet one-way delay: 54.068 ms

Loss rate: 0.46%

Run 10: Report of LEDBAT — Data Link

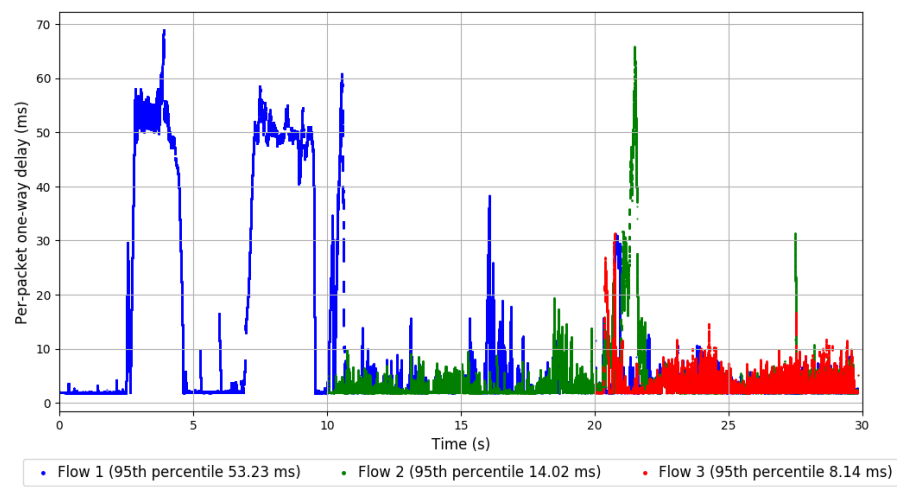
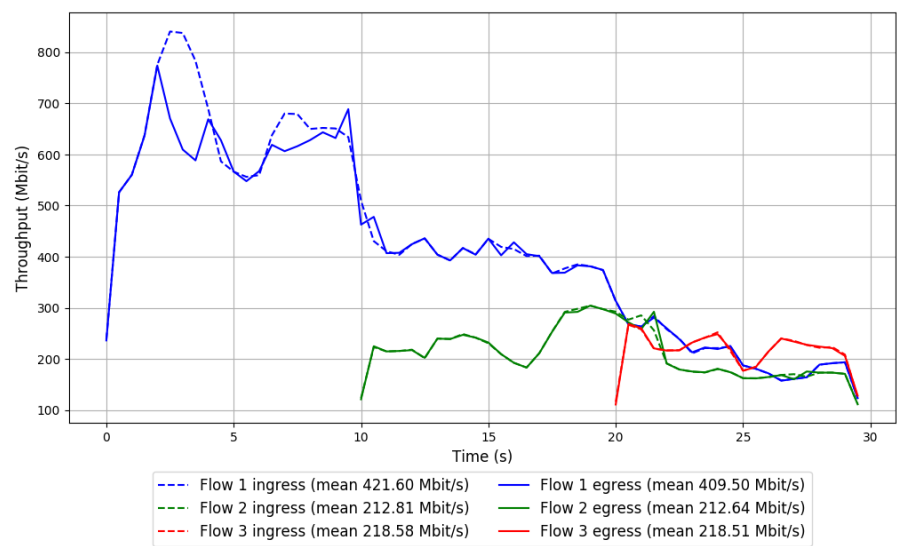


```
Run 1: Statistics of PCC

Start at: 2017-09-07 21:56:24
End at: 2017-09-07 21:56:54
Local clock offset: -3.285 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2017-09-08 07:00:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 622.61 Mbit/s
95th percentile per-packet one-way delay: 51.885 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 409.50 Mbit/s
95th percentile per-packet one-way delay: 53.232 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 212.64 Mbit/s
95th percentile per-packet one-way delay: 14.017 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 218.51 Mbit/s
95th percentile per-packet one-way delay: 8.140 ms
Loss rate: 0.05%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-07 22:16:38

End at: 2017-09-07 22:17:08

Local clock offset: -3.253 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2017-09-08 07:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 527.30 Mbit/s

95th percentile per-packet one-way delay: 81.251 ms

Loss rate: 2.20%

-- Flow 1:

Average throughput: 346.45 Mbit/s

95th percentile per-packet one-way delay: 83.946 ms

Loss rate: 3.29%

-- Flow 2:

Average throughput: 188.10 Mbit/s

95th percentile per-packet one-way delay: 3.447 ms

Loss rate: 0.04%

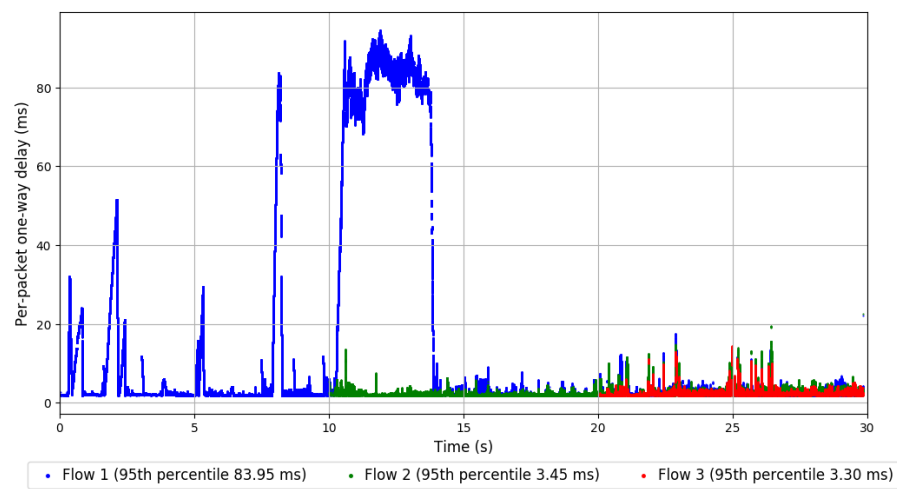
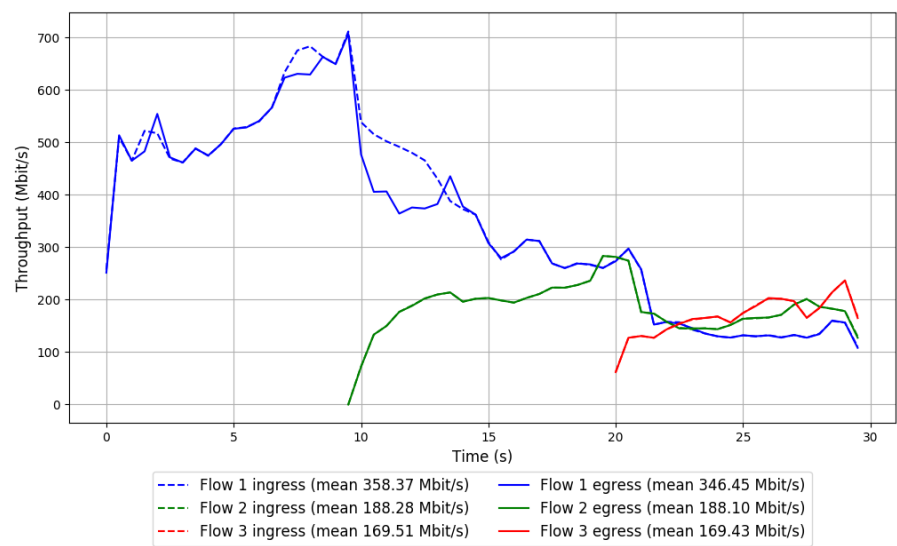
-- Flow 3:

Average throughput: 169.43 Mbit/s

95th percentile per-packet one-way delay: 3.301 ms

Loss rate: 0.09%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-07 22:36:49

End at: 2017-09-07 22:37:19

Local clock offset: -3.368 ms

Remote clock offset: 0.74 ms

Below is generated by plot.py at 2017-09-08 07:01:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 575.99 Mbit/s

95th percentile per-packet one-way delay: 12.474 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 343.97 Mbit/s

95th percentile per-packet one-way delay: 15.631 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 258.54 Mbit/s

95th percentile per-packet one-way delay: 8.287 ms

Loss rate: 0.04%

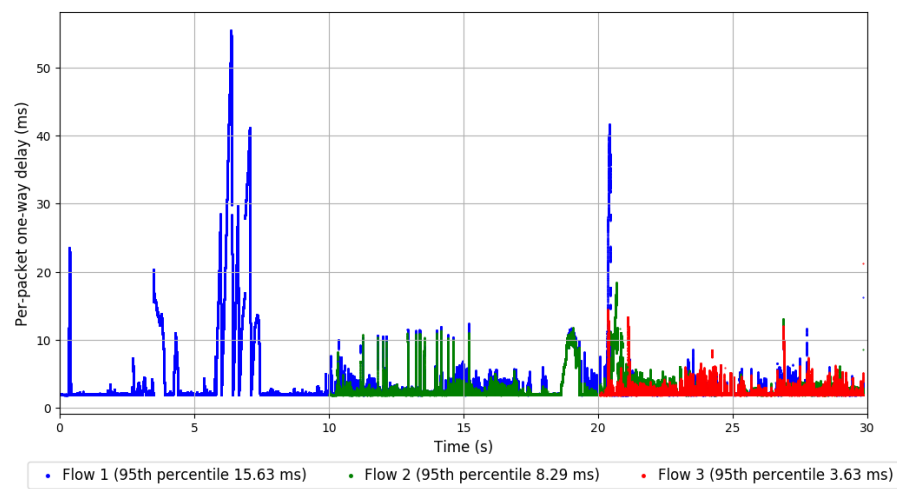
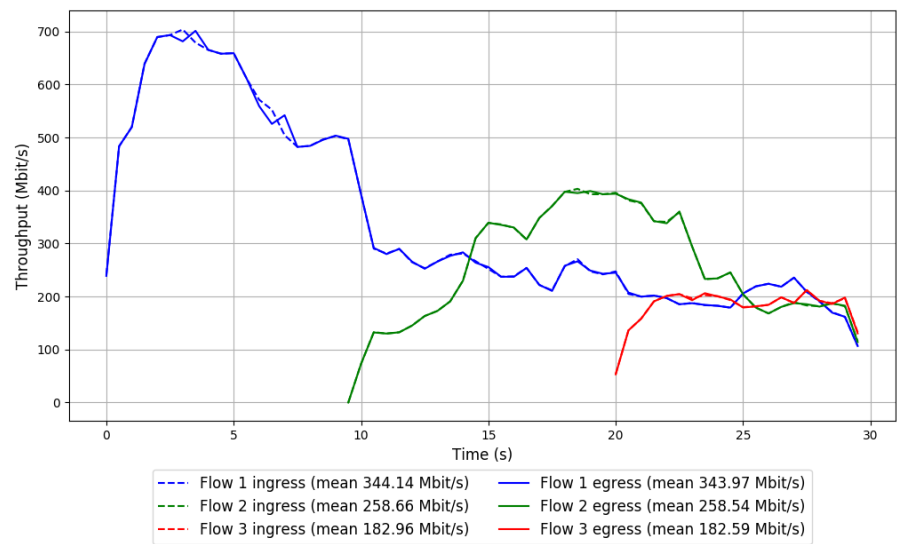
-- Flow 3:

Average throughput: 182.59 Mbit/s

95th percentile per-packet one-way delay: 3.630 ms

Loss rate: 0.08%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-07 22:57:12

End at: 2017-09-07 22:57:42

Local clock offset: -3.525 ms

Remote clock offset: 0.911 ms

Below is generated by plot.py at 2017-09-08 07:01:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 660.65 Mbit/s

95th percentile per-packet one-way delay: 55.700 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 509.92 Mbit/s

95th percentile per-packet one-way delay: 58.284 ms

Loss rate: 4.11%

-- Flow 2:

Average throughput: 145.85 Mbit/s

95th percentile per-packet one-way delay: 11.133 ms

Loss rate: 0.78%

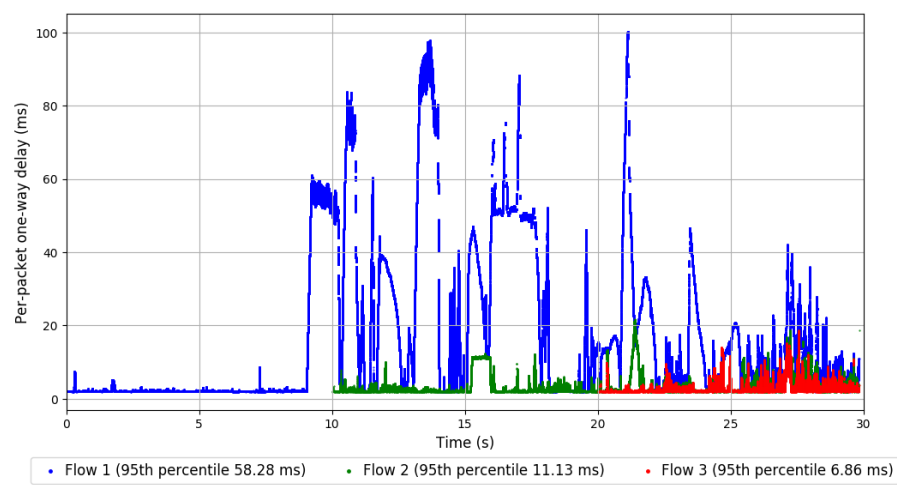
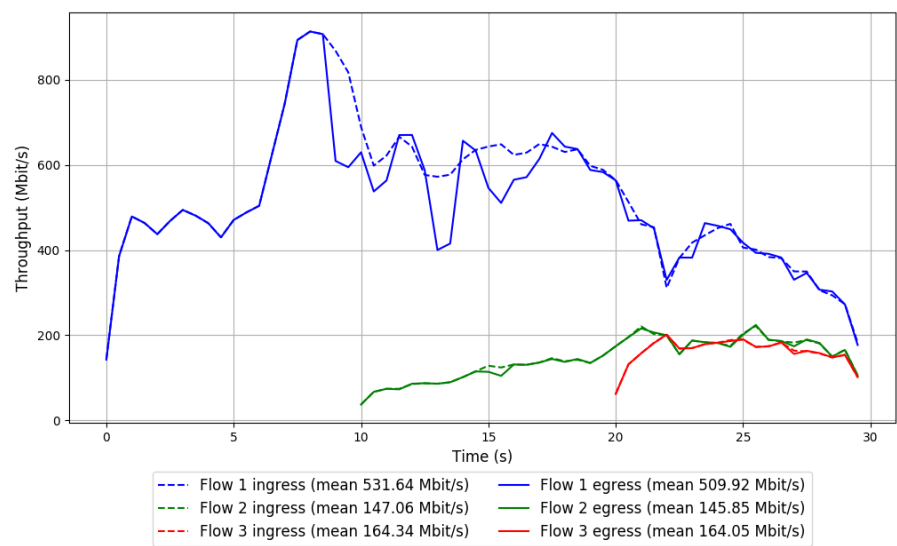
-- Flow 3:

Average throughput: 164.05 Mbit/s

95th percentile per-packet one-way delay: 6.858 ms

Loss rate: 0.22%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-07 23:17:12

End at: 2017-09-07 23:17:42

Local clock offset: -3.69 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2017-09-08 07:03:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 604.11 Mbit/s

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

Loss rate: 0.44%

-- Flow 1:

Average throughput: 441.83 Mbit/s

95th percentile per-packet one-way delay: 56.470 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 221.10 Mbit/s

95th percentile per-packet one-way delay: 5.609 ms

Loss rate: 0.23%

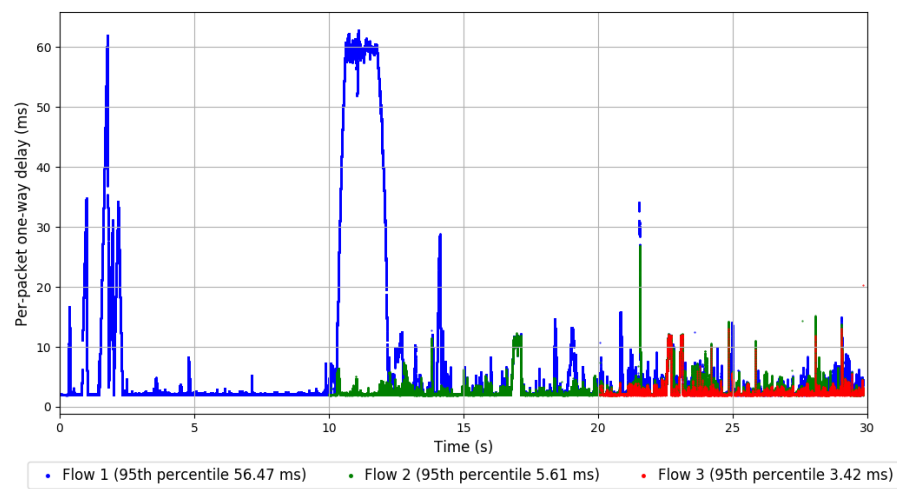
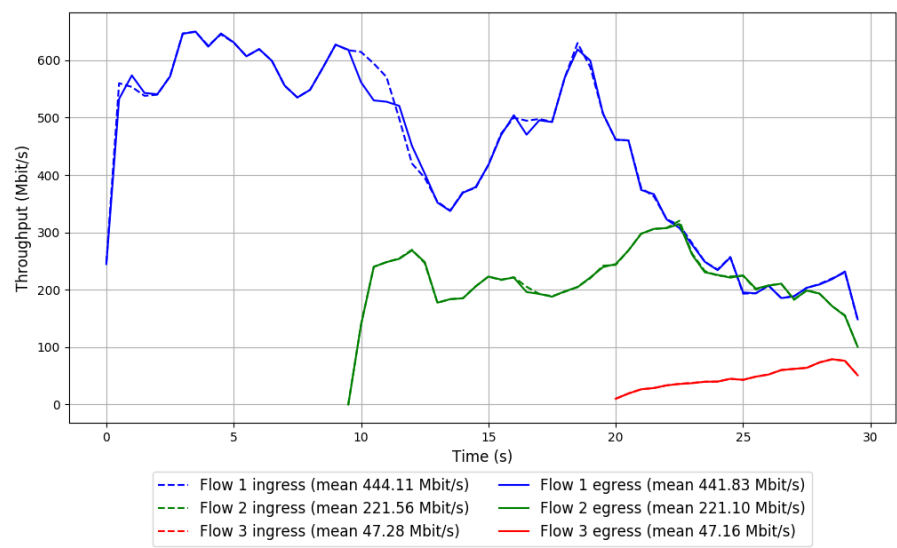
-- Flow 3:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 3.423 ms

Loss rate: 0.18%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-07 23:37:12

End at: 2017-09-07 23:37:42

Local clock offset: -3.555 ms

Remote clock offset: 1.029 ms

Below is generated by plot.py at 2017-09-08 07:03:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 545.69 Mbit/s

95th percentile per-packet one-way delay: 60.348 ms

Loss rate: 8.79%

-- Flow 1:

Average throughput: 492.81 Mbit/s

95th percentile per-packet one-way delay: 61.078 ms

Loss rate: 9.64%

-- Flow 2:

Average throughput: 69.09 Mbit/s

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

Loss rate: 0.09%

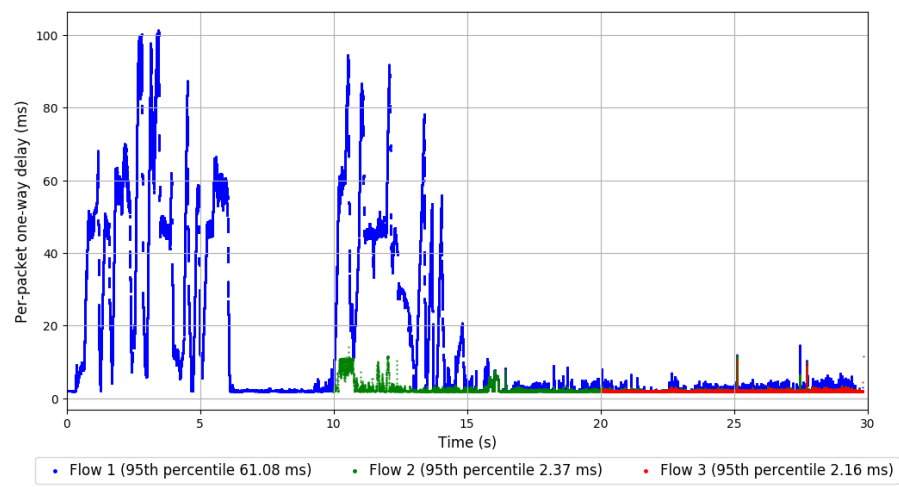
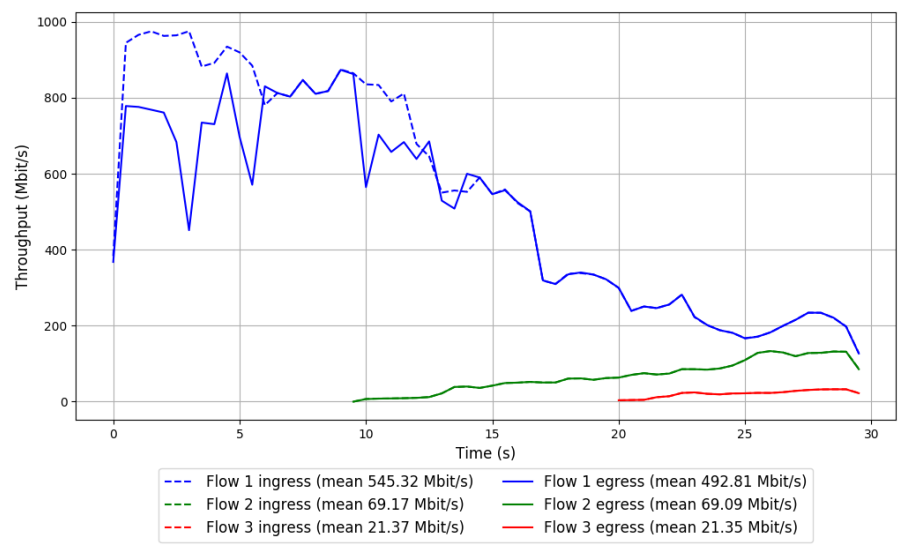
-- Flow 3:

Average throughput: 21.35 Mbit/s

95th percentile per-packet one-way delay: 2.157 ms

Loss rate: 0.10%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-07 23:57:37

End at: 2017-09-07 23:58:07

Local clock offset: -3.325 ms

Remote clock offset: 0.95 ms

Below is generated by plot.py at 2017-09-08 07:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.75 Mbit/s

95th percentile per-packet one-way delay: 16.335 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 381.71 Mbit/s

95th percentile per-packet one-way delay: 16.960 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 2.318 ms

Loss rate: 0.11%

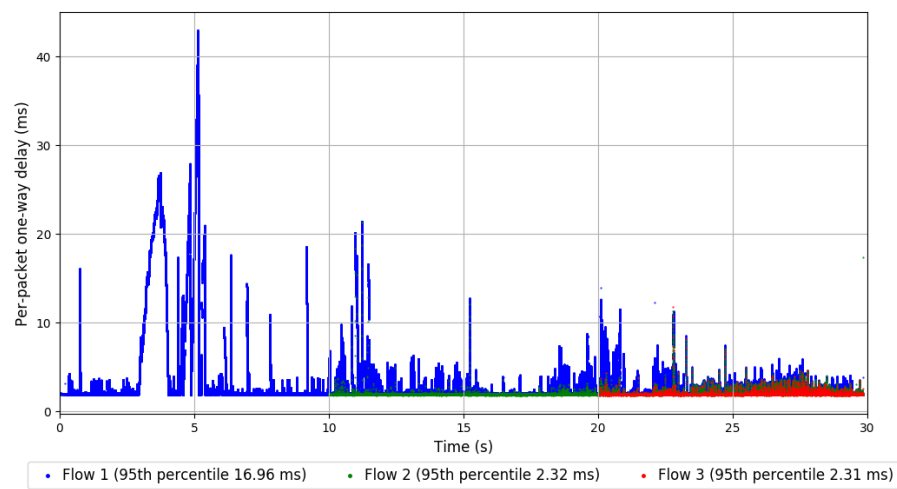
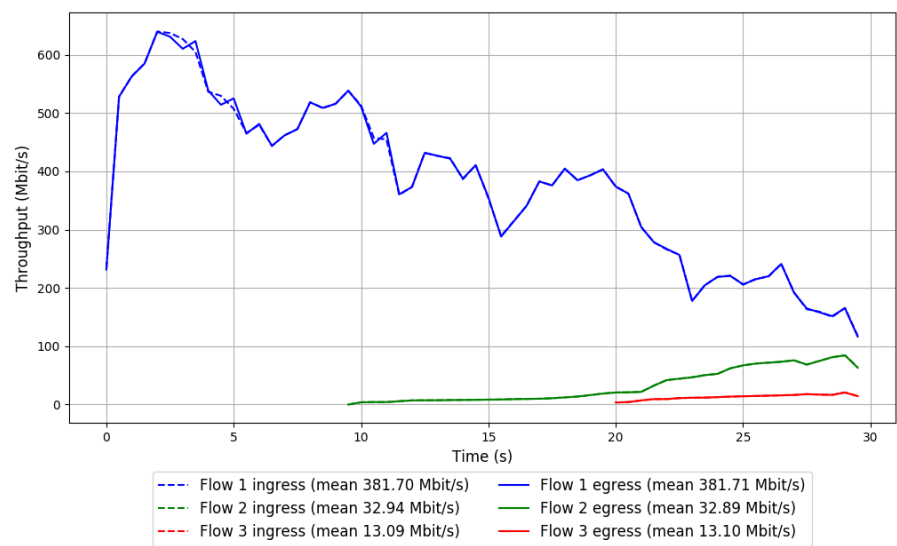
-- Flow 3:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 2.310 ms

Loss rate: 0.08%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-08 00:17:50

End at: 2017-09-08 00:18:20

Local clock offset: -3.154 ms

Remote clock offset: 0.915 ms

Below is generated by plot.py at 2017-09-08 07:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 553.16 Mbit/s

95th percentile per-packet one-way delay: 17.900 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 386.28 Mbit/s

95th percentile per-packet one-way delay: 16.266 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 155.82 Mbit/s

95th percentile per-packet one-way delay: 26.048 ms

Loss rate: 0.04%

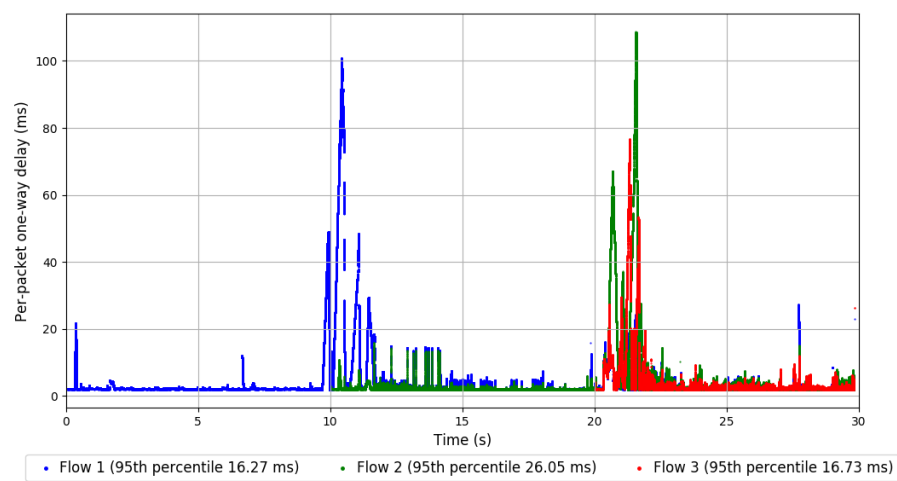
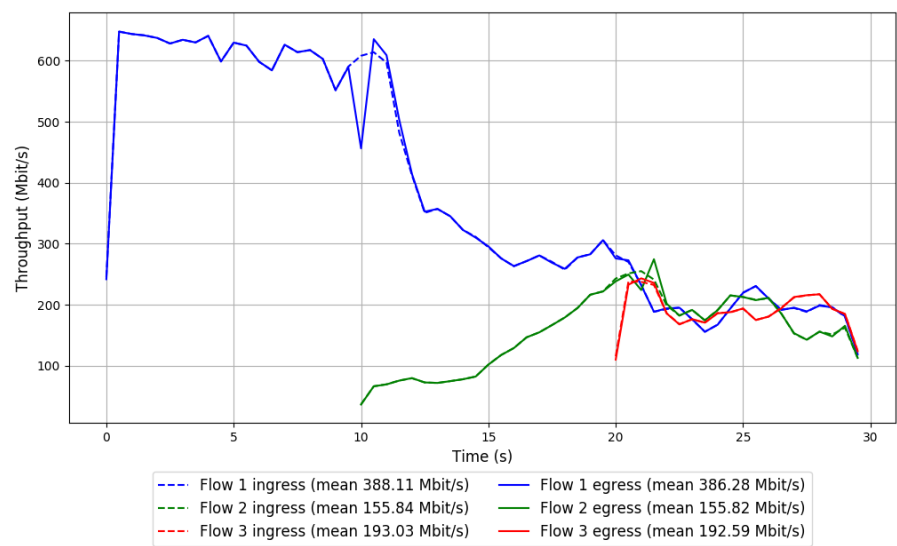
-- Flow 3:

Average throughput: 192.59 Mbit/s

95th percentile per-packet one-way delay: 16.732 ms

Loss rate: 0.08%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-08 00:37:48

End at: 2017-09-08 00:38:18

Local clock offset: -3.107 ms

Remote clock offset: 0.912 ms

Below is generated by plot.py at 2017-09-08 07:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 595.34 Mbit/s

95th percentile per-packet one-way delay: 55.843 ms

Loss rate: 7.61%

-- Flow 1:

Average throughput: 470.07 Mbit/s

95th percentile per-packet one-way delay: 57.878 ms

Loss rate: 8.40%

-- Flow 2:

Average throughput: 184.18 Mbit/s

95th percentile per-packet one-way delay: 18.595 ms

Loss rate: 4.64%

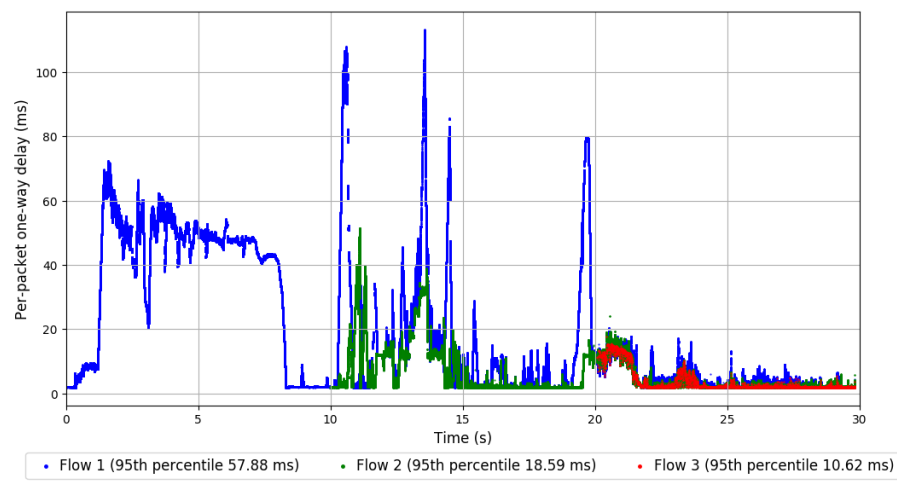
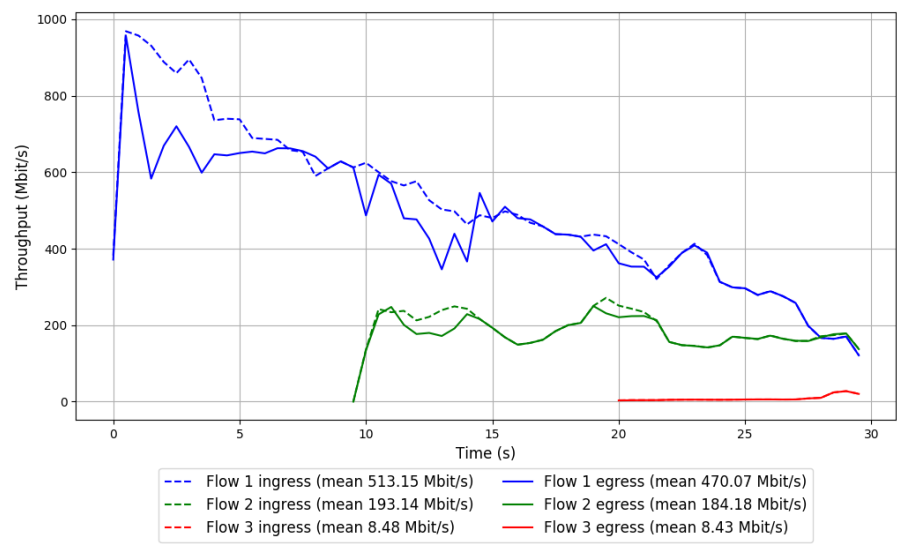
-- Flow 3:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 10.616 ms

Loss rate: 0.66%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-09-08 00:57:56

End at: 2017-09-08 00:58:26

Local clock offset: -3.09 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2017-09-08 07:05:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 509.41 Mbit/s

95th percentile per-packet one-way delay: 39.603 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 417.22 Mbit/s

95th percentile per-packet one-way delay: 44.584 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 57.78 Mbit/s

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

Loss rate: 0.15%

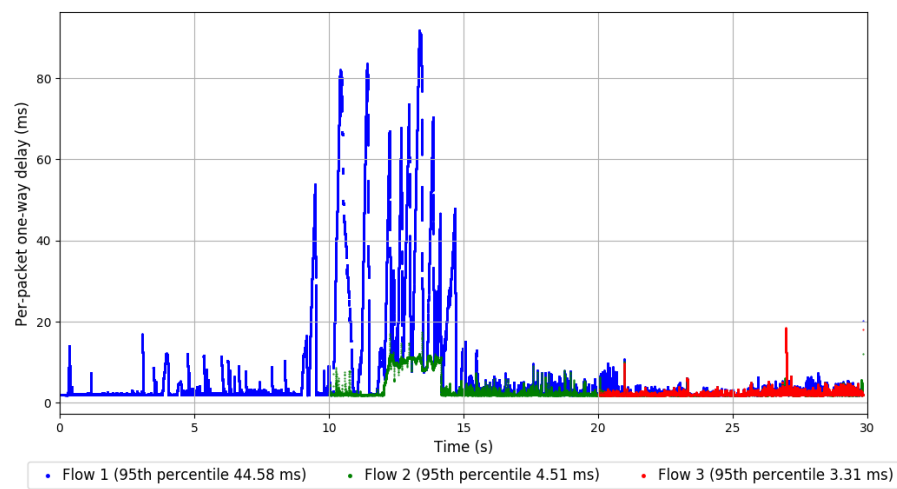
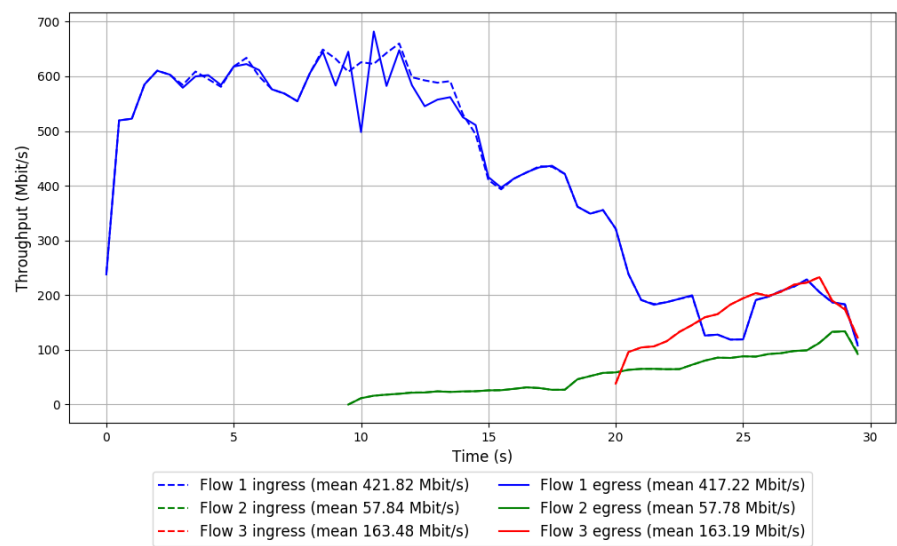
-- Flow 3:

Average throughput: 163.19 Mbit/s

95th percentile per-packet one-way delay: 3.310 ms

Loss rate: 0.10%

Run 10: Report of PCC — Data Link

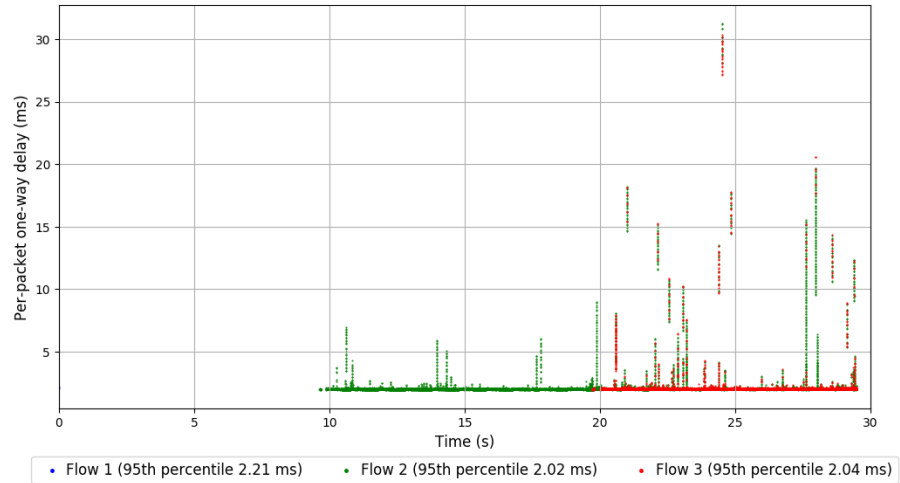
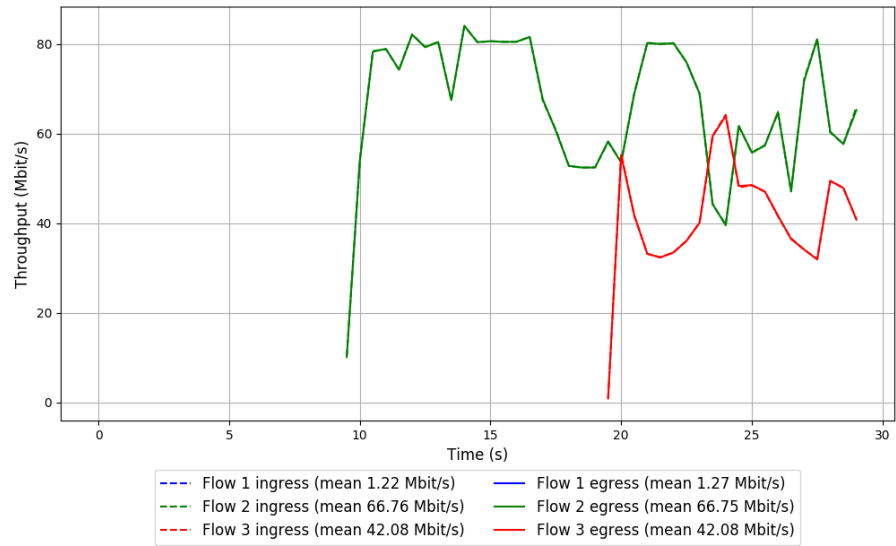


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-07 21:54:10
End at: 2017-09-07 21:54:40
Local clock offset: -3.207 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2017-09-08 07:05:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 2.028 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 2.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.75 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 2.042 ms
Loss rate: 0.03%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-07 22:14:24

End at: 2017-09-07 22:14:54

Local clock offset: -3.261 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2017-09-08 07:05:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 2.025 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 2.223 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.84 Mbit/s

95th percentile per-packet one-way delay: 2.023 ms

Loss rate: 0.02%

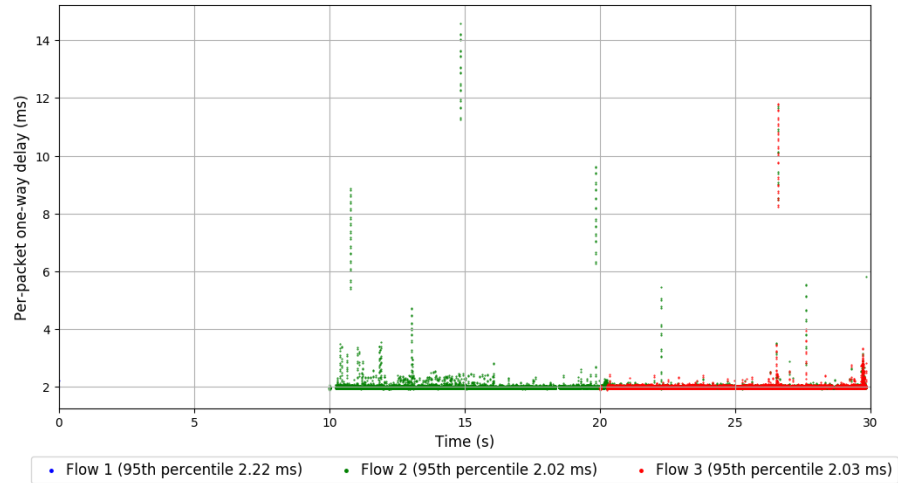
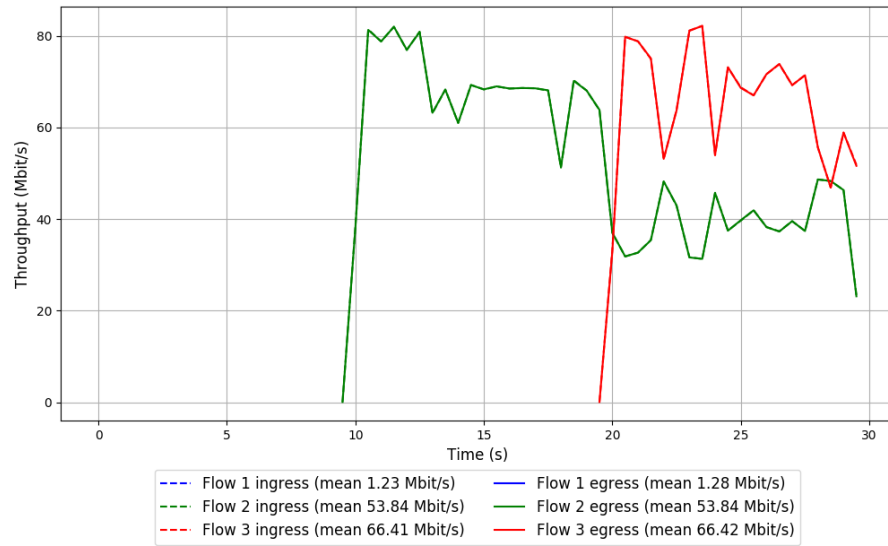
-- Flow 3:

Average throughput: 66.42 Mbit/s

95th percentile per-packet one-way delay: 2.027 ms

Loss rate: 0.03%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-07 22:34:35

End at: 2017-09-07 22:35:05

Local clock offset: -3.414 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2017-09-08 07:05:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 2.052 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 2.081 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 2.047 ms

Loss rate: 0.01%

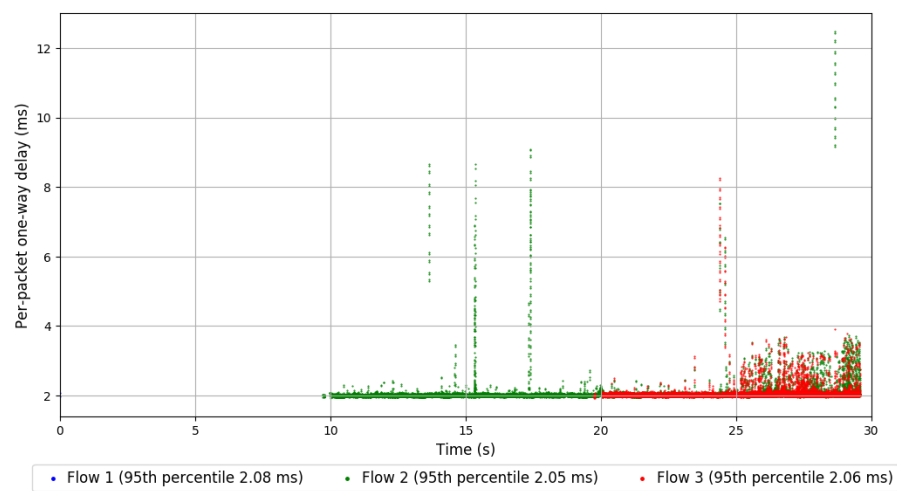
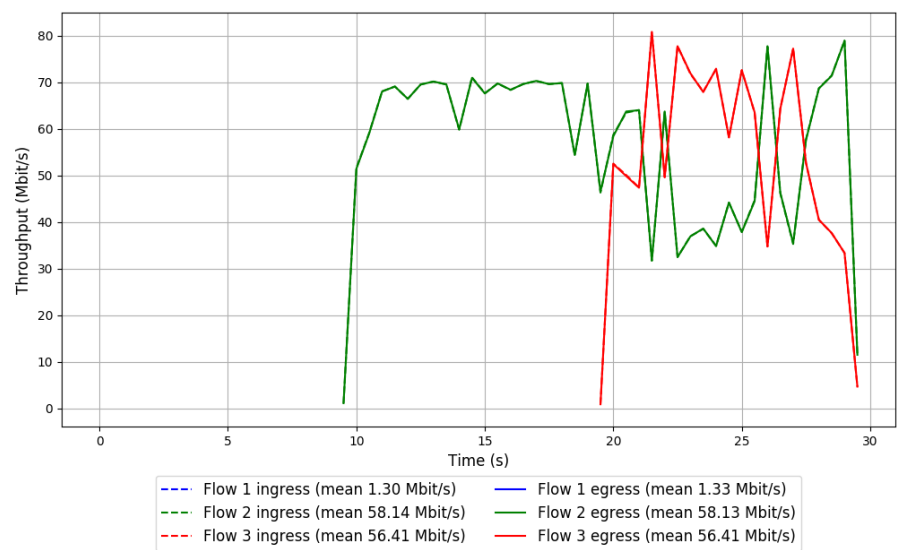
-- Flow 3:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 2.060 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-07 22:54:58

End at: 2017-09-07 22:55:28

Local clock offset: -3.501 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2017-09-08 07:05:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.55 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 2.134 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 0.00%

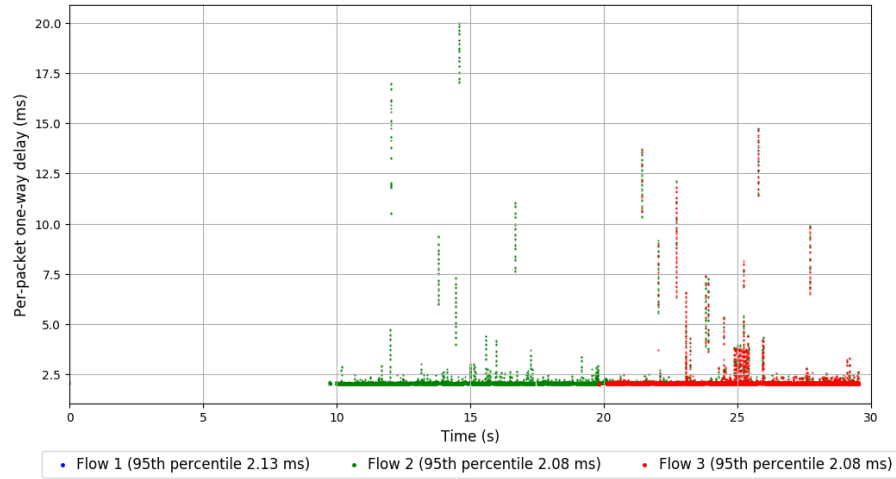
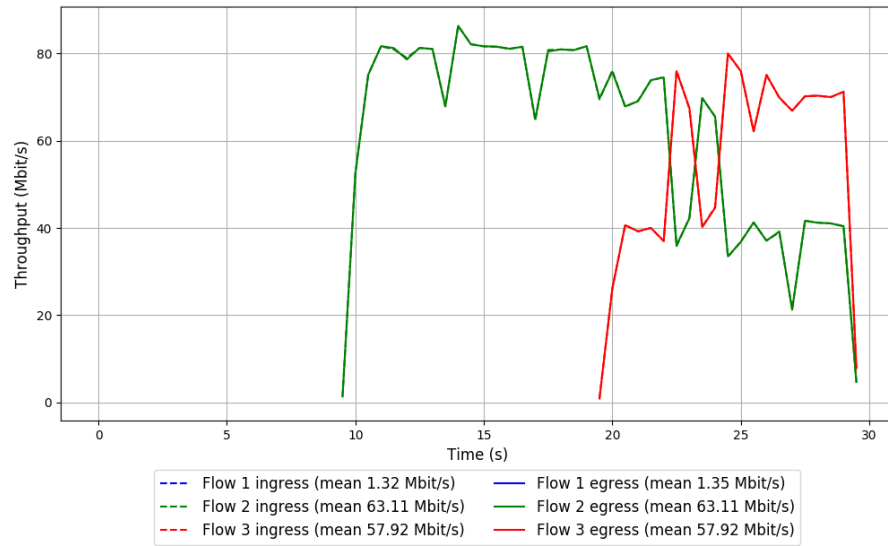
-- Flow 3:

Average throughput: 57.92 Mbit/s

95th percentile per-packet one-way delay: 2.085 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-07 23:14:58

End at: 2017-09-07 23:15:28

Local clock offset: -3.677 ms

Remote clock offset: 1.042 ms

Below is generated by plot.py at 2017-09-08 07:05:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.57 Mbit/s

95th percentile per-packet one-way delay: 2.007 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.247 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.47 Mbit/s

95th percentile per-packet one-way delay: 2.004 ms

Loss rate: 0.03%

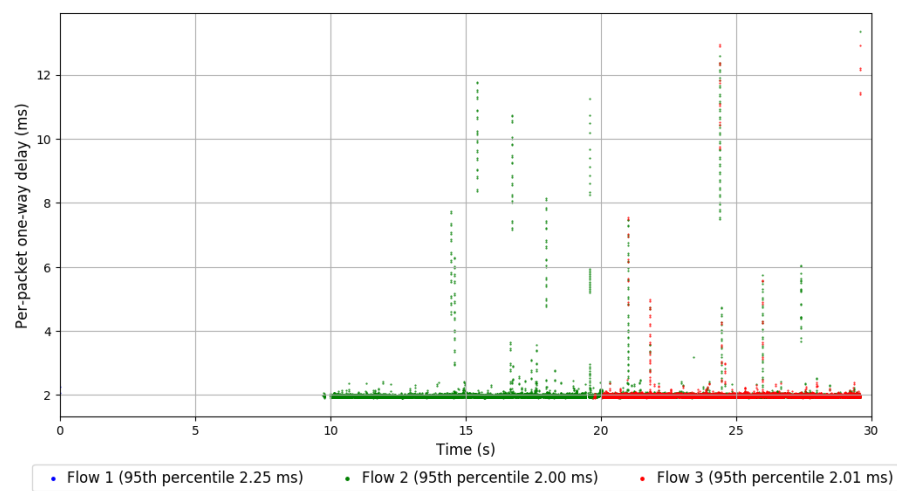
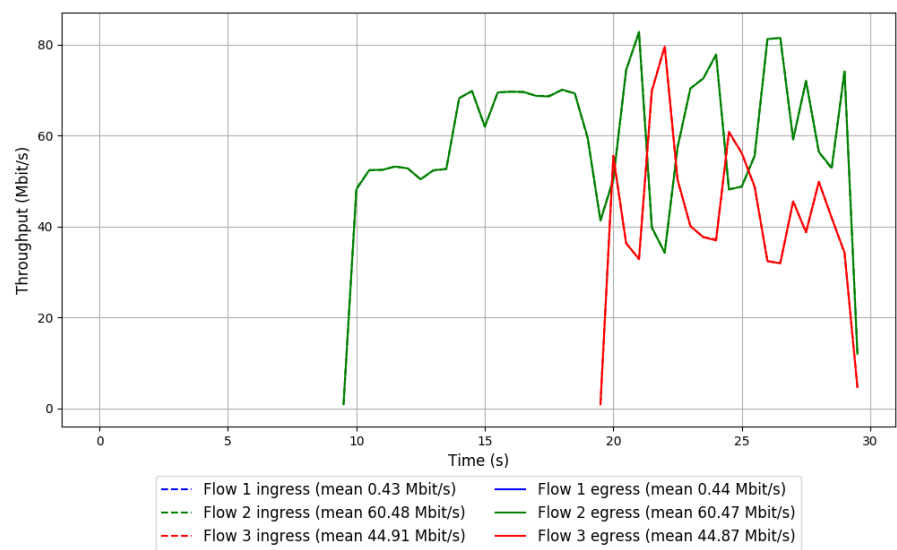
-- Flow 3:

Average throughput: 44.87 Mbit/s

95th percentile per-packet one-way delay: 2.012 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-07 23:34:58

End at: 2017-09-07 23:35:28

Local clock offset: -3.59 ms

Remote clock offset: 1.143 ms

Below is generated by plot.py at 2017-09-08 07:05:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 1.966 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 2.122 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 1.962 ms

Loss rate: 0.01%

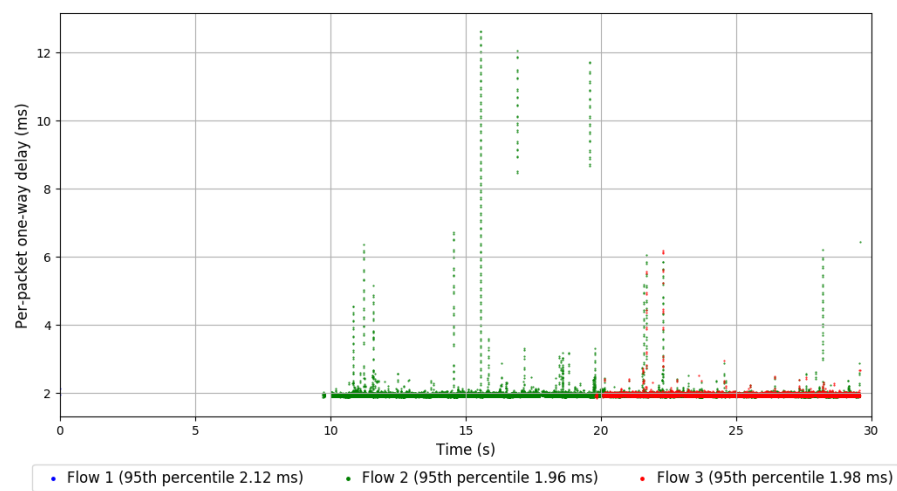
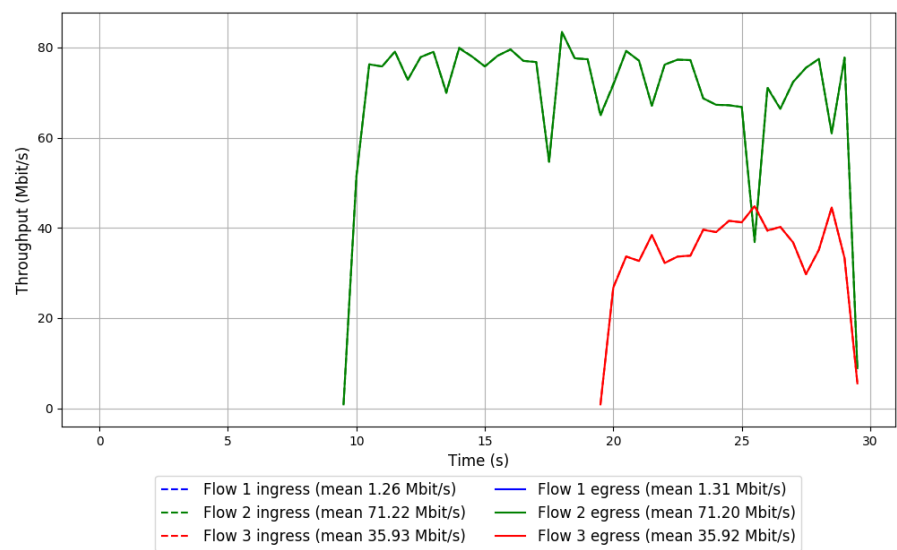
-- Flow 3:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 1.975 ms

Loss rate: 0.03%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-07 23:55:22

End at: 2017-09-07 23:55:52

Local clock offset: -3.262 ms

Remote clock offset: 1.012 ms

Below is generated by plot.py at 2017-09-08 07:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.34 Mbit/s

95th percentile per-packet one-way delay: 2.029 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 2.178 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.90 Mbit/s

95th percentile per-packet one-way delay: 2.027 ms

Loss rate: 0.04%

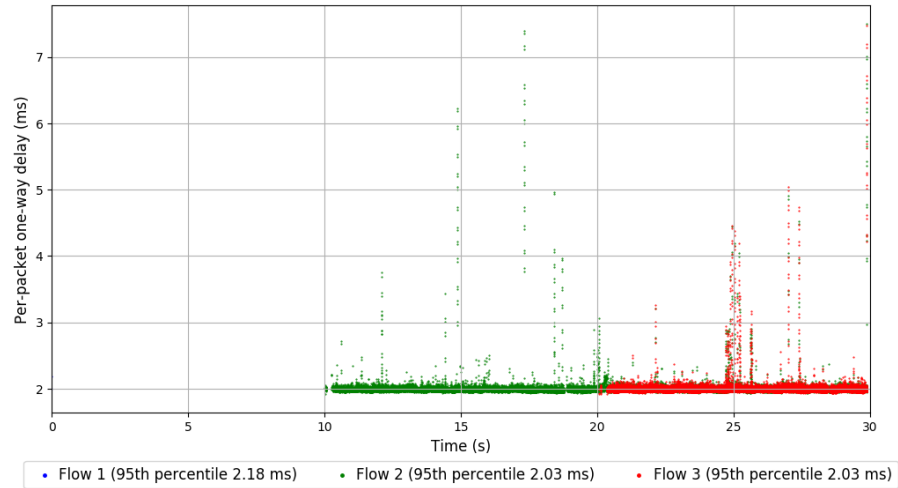
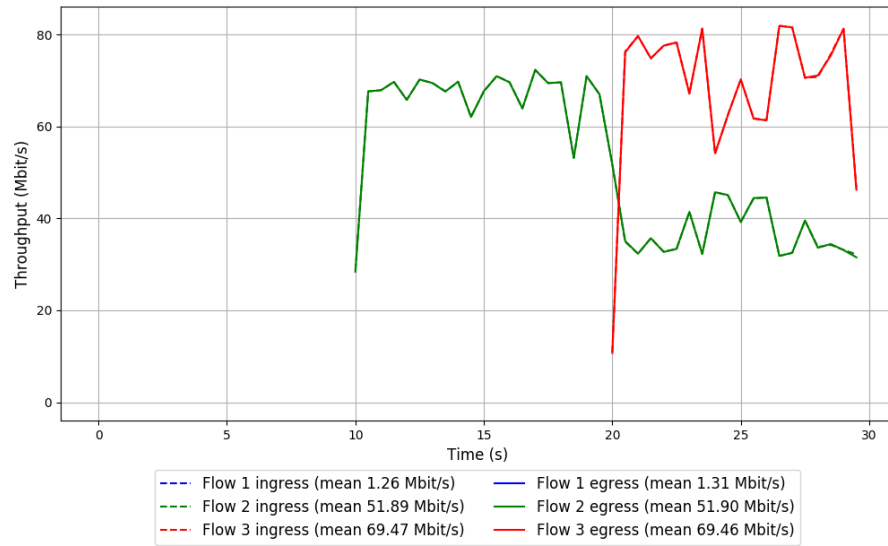
-- Flow 3:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 2.031 ms

Loss rate: 0.05%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-08 00:15:36

End at: 2017-09-08 00:16:06

Local clock offset: -3.27 ms

Remote clock offset: 0.882 ms

Below is generated by plot.py at 2017-09-08 07:06:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.36 Mbit/s

95th percentile per-packet one-way delay: 1.994 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 2.242 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 1.978 ms

Loss rate: 0.01%

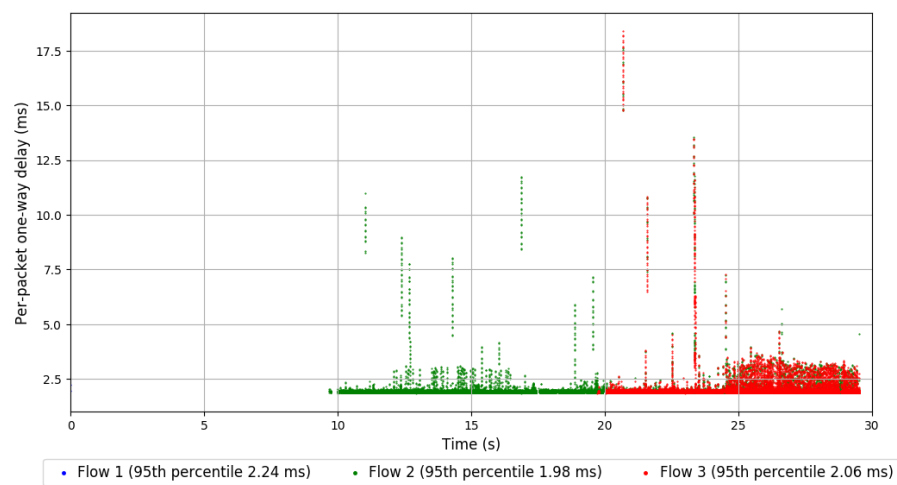
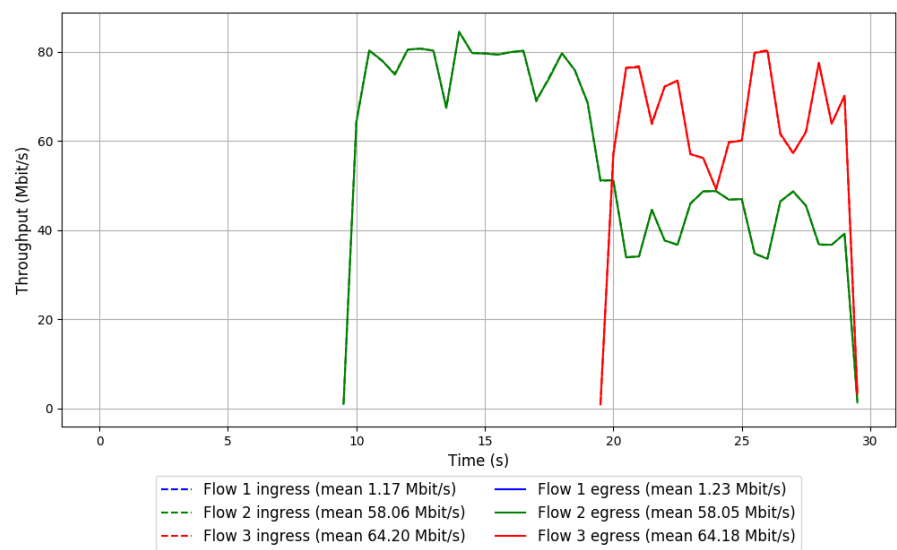
-- Flow 3:

Average throughput: 64.18 Mbit/s

95th percentile per-packet one-way delay: 2.055 ms

Loss rate: 0.04%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-08 00:35:33

End at: 2017-09-08 00:36:03

Local clock offset: -3.106 ms

Remote clock offset: 0.915 ms

Below is generated by plot.py at 2017-09-08 07:06:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.44 Mbit/s

95th percentile per-packet one-way delay: 2.019 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 2.393 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.39 Mbit/s

95th percentile per-packet one-way delay: 2.015 ms

Loss rate: 0.01%

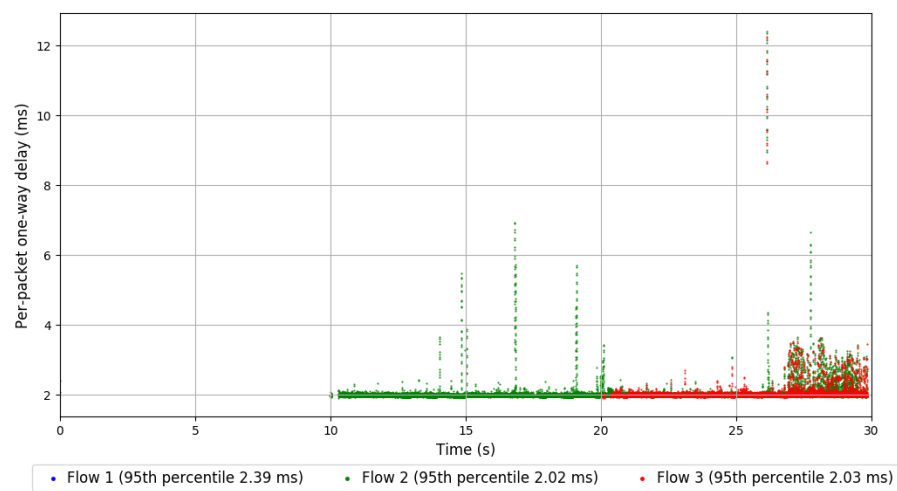
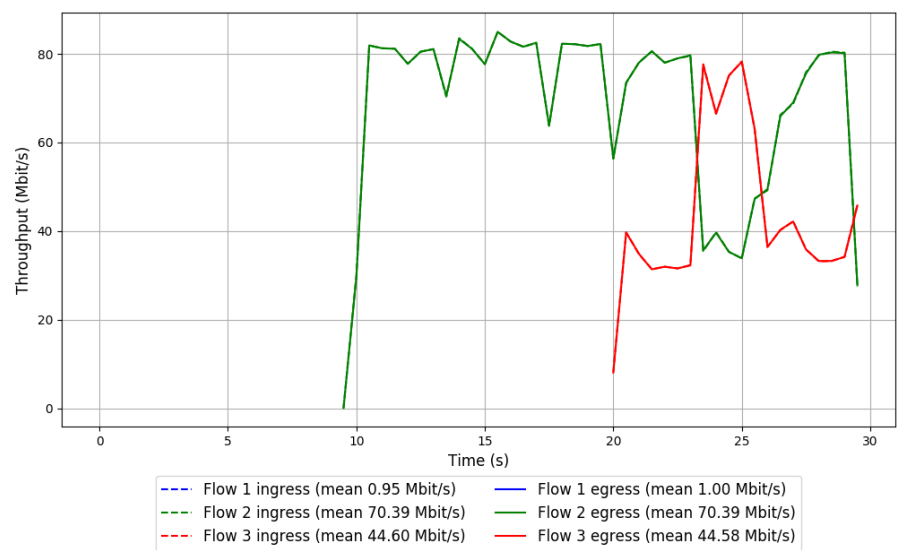
-- Flow 3:

Average throughput: 44.58 Mbit/s

95th percentile per-packet one-way delay: 2.029 ms

Loss rate: 0.04%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-08 00:55:41

End at: 2017-09-08 00:56:11

Local clock offset: -3.018 ms

Remote clock offset: 0.536 ms

Below is generated by plot.py at 2017-09-08 07:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.92 Mbit/s

95th percentile per-packet one-way delay: 2.000 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 2.151 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 1.997 ms

Loss rate: 0.02%

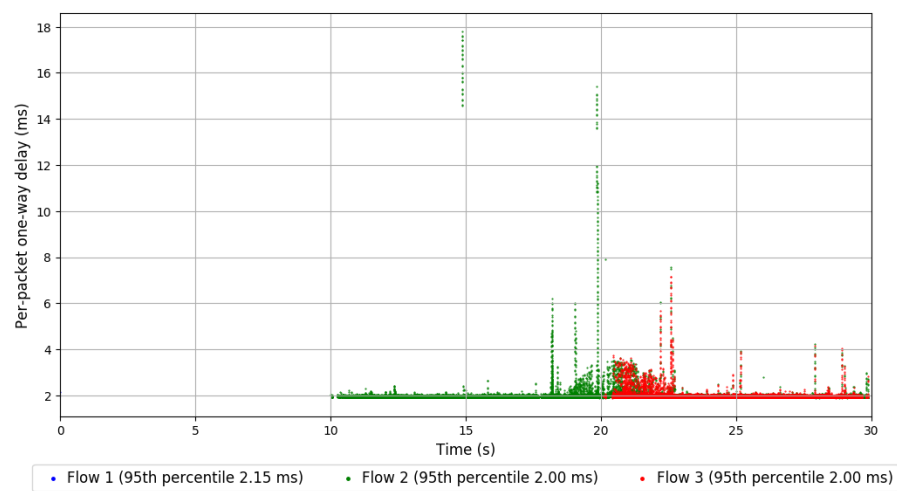
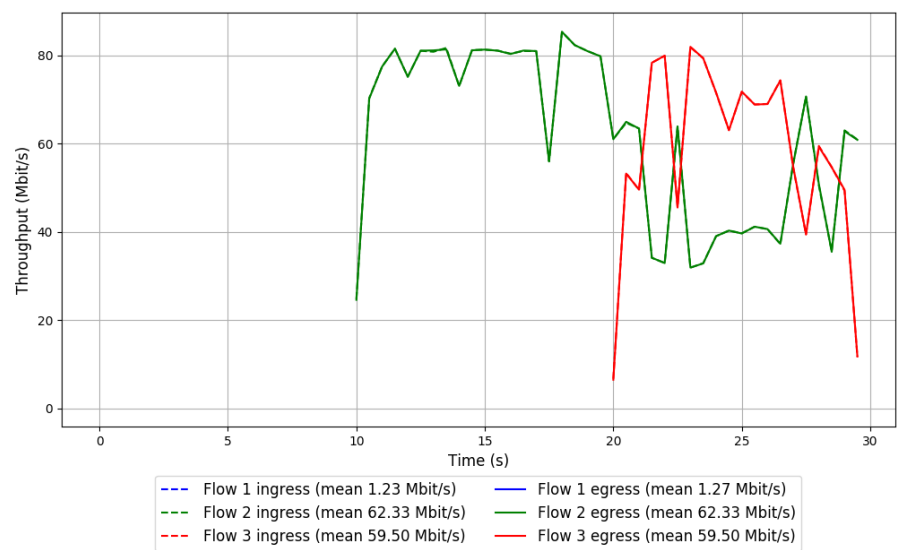
-- Flow 3:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 2.004 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

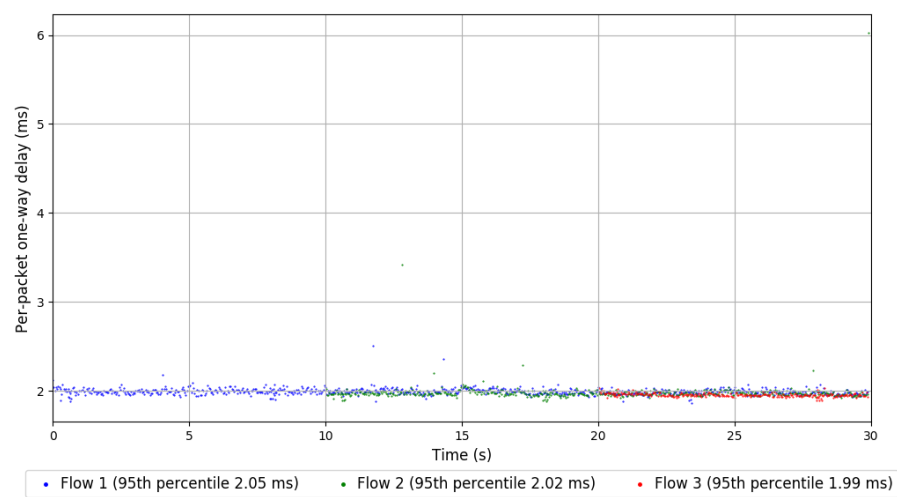
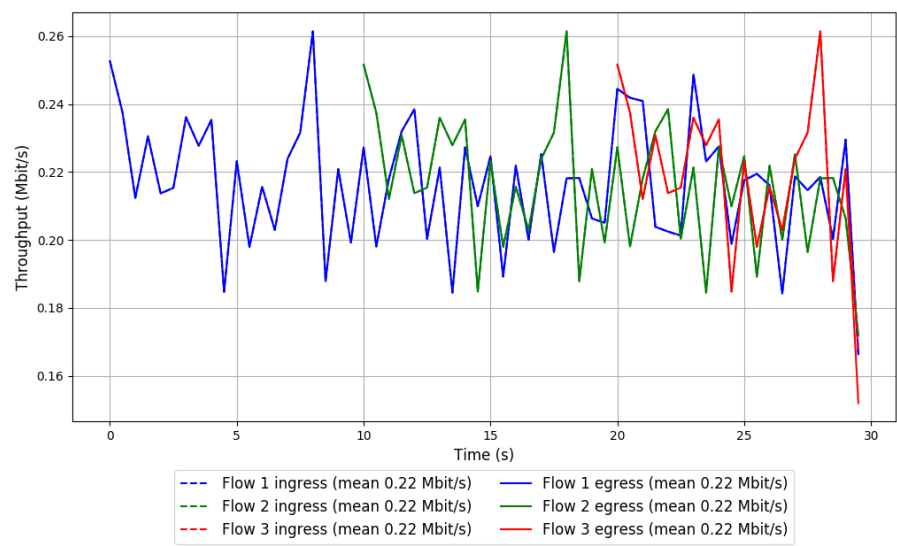


Run 1: Statistics of SCReAM

Start at: 2017-09-07 21:51:46
End at: 2017-09-07 21:52:16
Local clock offset: -3.272 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2017-09-08 07:06:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.038 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.988 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

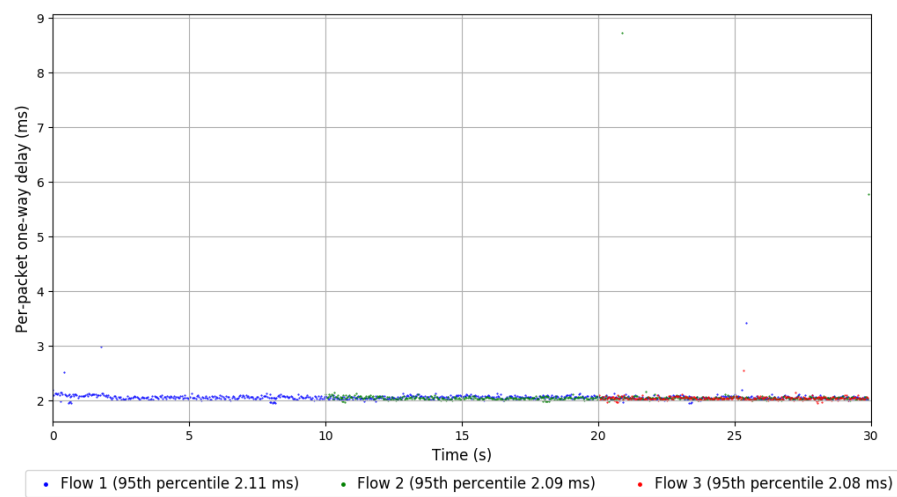
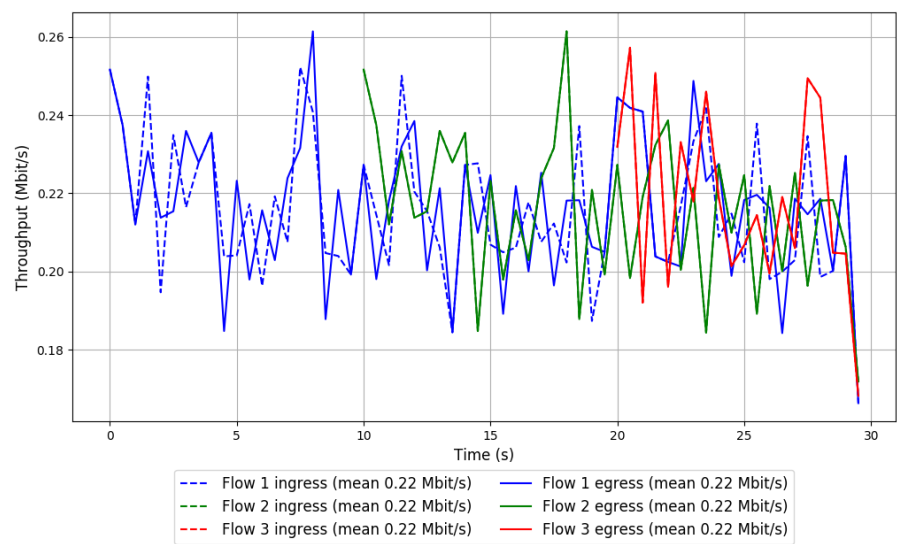


```
Run 2: Statistics of SReAM

Start at: 2017-09-07 22:12:02
End at: 2017-09-07 22:12:32
Local clock offset: -3.249 ms
Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2017-09-08 07:06:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2017-09-07 22:32:12

End at: 2017-09-07 22:32:42

Local clock offset: -3.357 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2017-09-08 07:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.126 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.134 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.111 ms

Loss rate: 0.00%

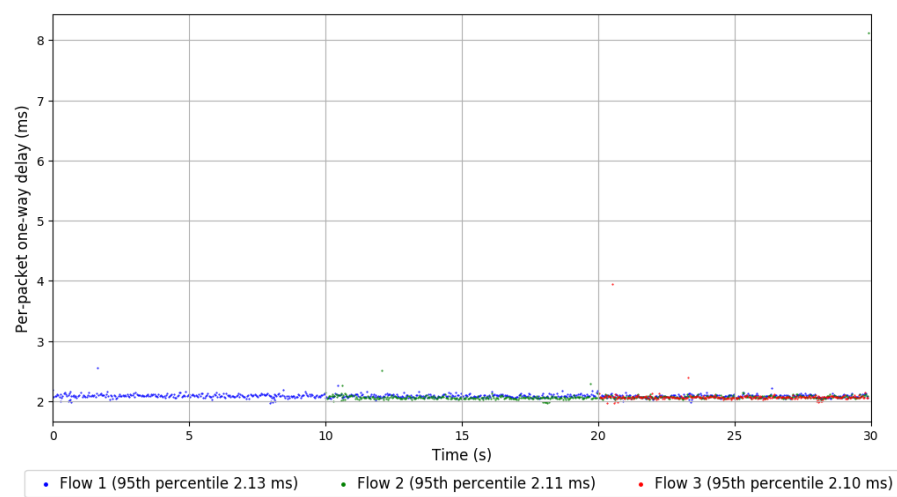
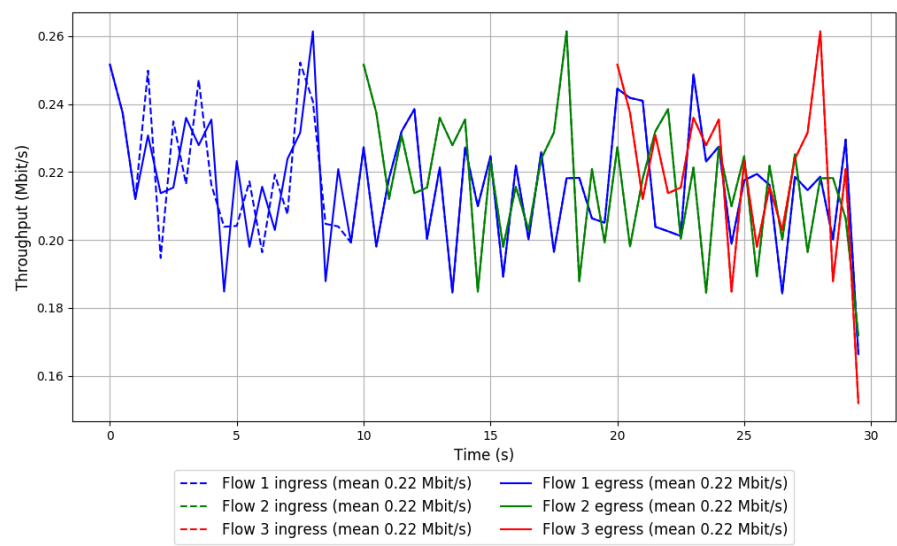
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.100 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

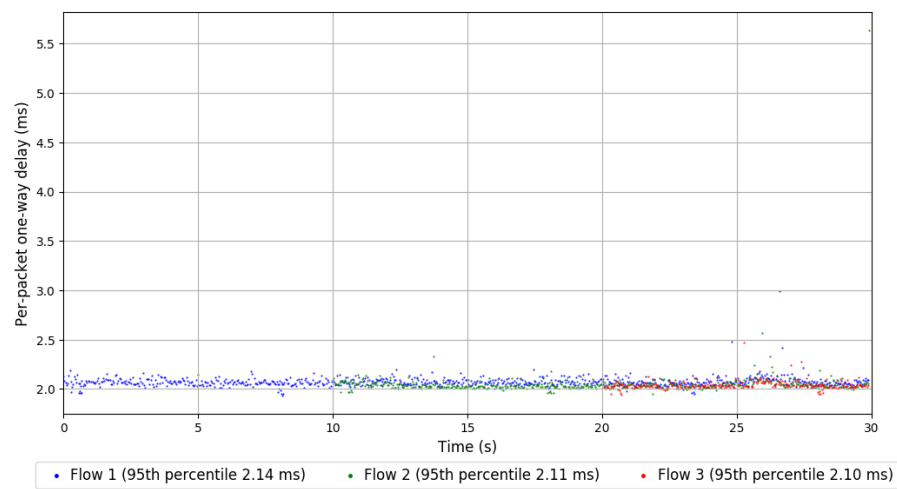
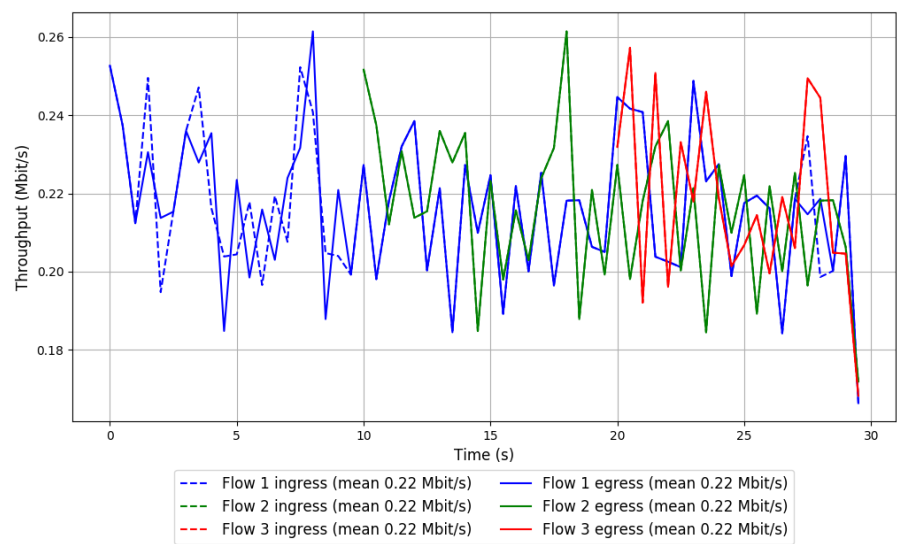


Run 4: Statistics of SReAM

Start at: 2017-09-07 22:52:35
End at: 2017-09-07 22:53:05
Local clock offset: -3.508 ms
Remote clock offset: 0.852 ms

Below is generated by plot.py at 2017-09-08 07:06:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.112 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-09-07 23:12:35

End at: 2017-09-07 23:13:05

Local clock offset: -3.666 ms

Remote clock offset: 1.029 ms

Below is generated by plot.py at 2017-09-08 07:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.107 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.088 ms

Loss rate: 0.00%

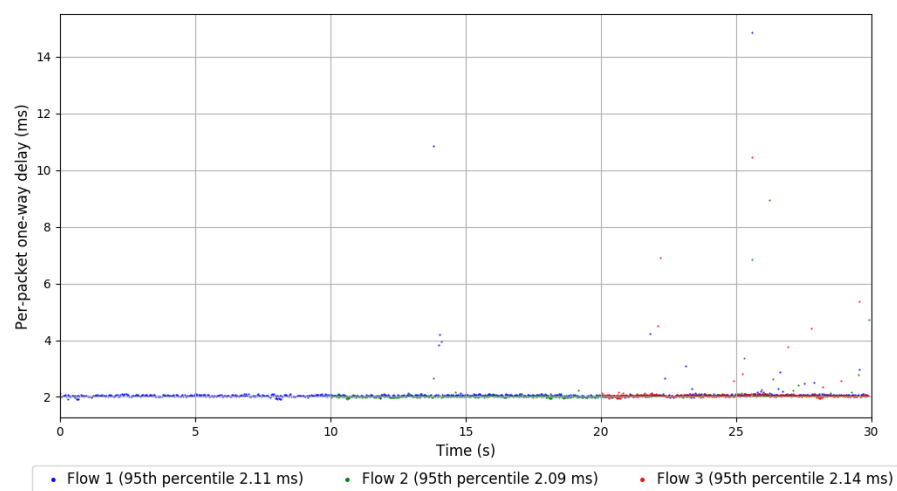
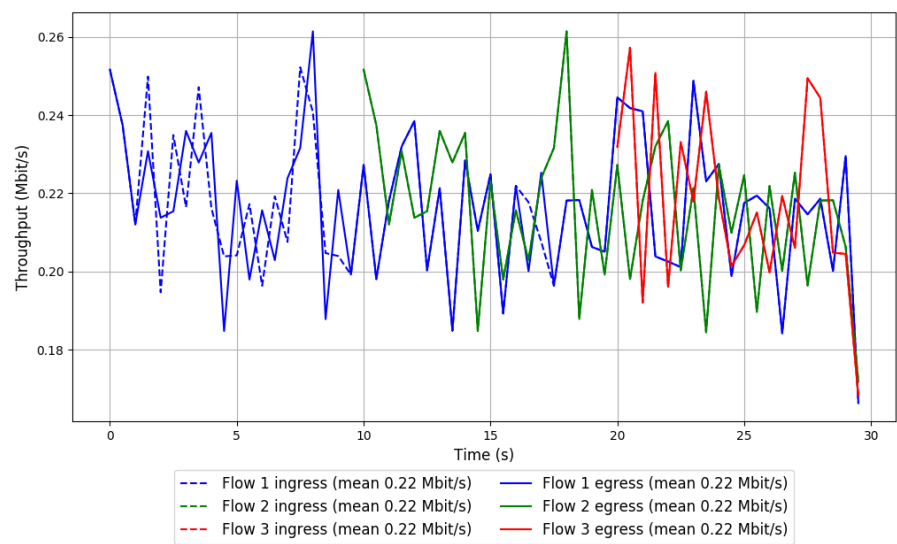
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.139 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2017-09-07 23:32:35

End at: 2017-09-07 23:33:05

Local clock offset: -3.525 ms

Remote clock offset: 1.134 ms

Below is generated by plot.py at 2017-09-08 07:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.170 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.148 ms

Loss rate: 0.00%

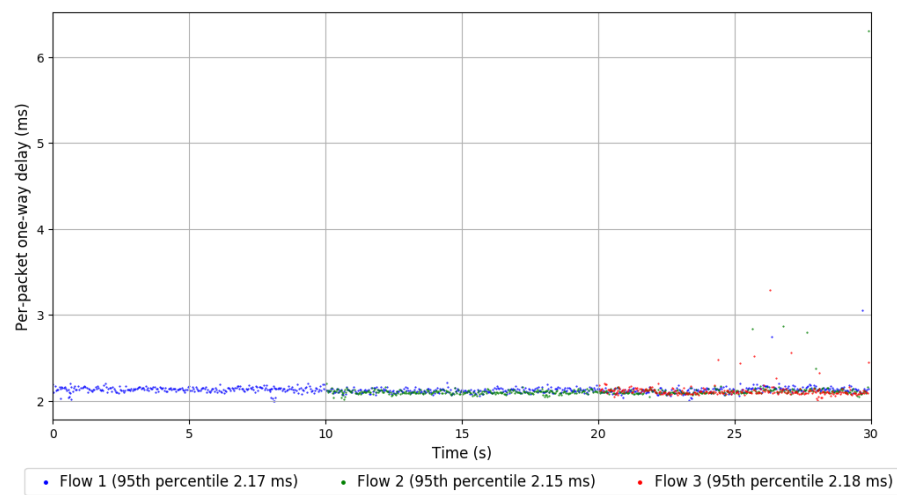
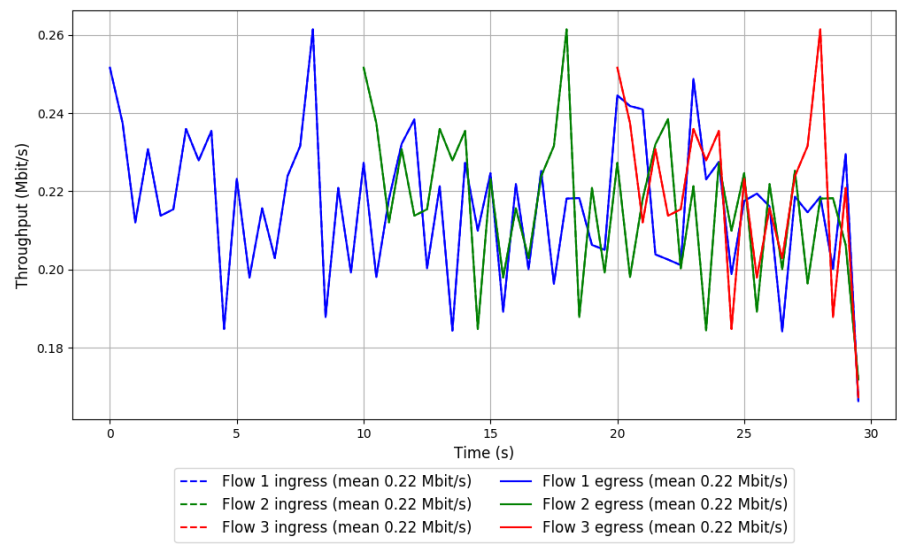
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.181 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

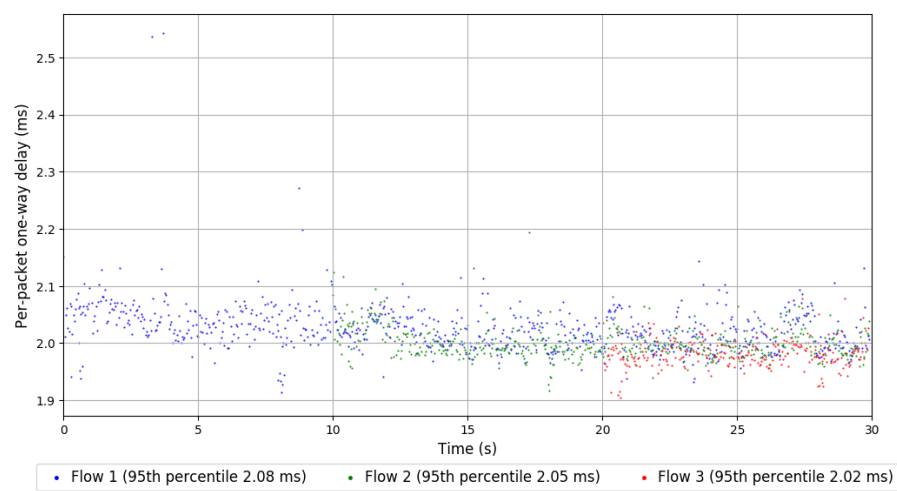
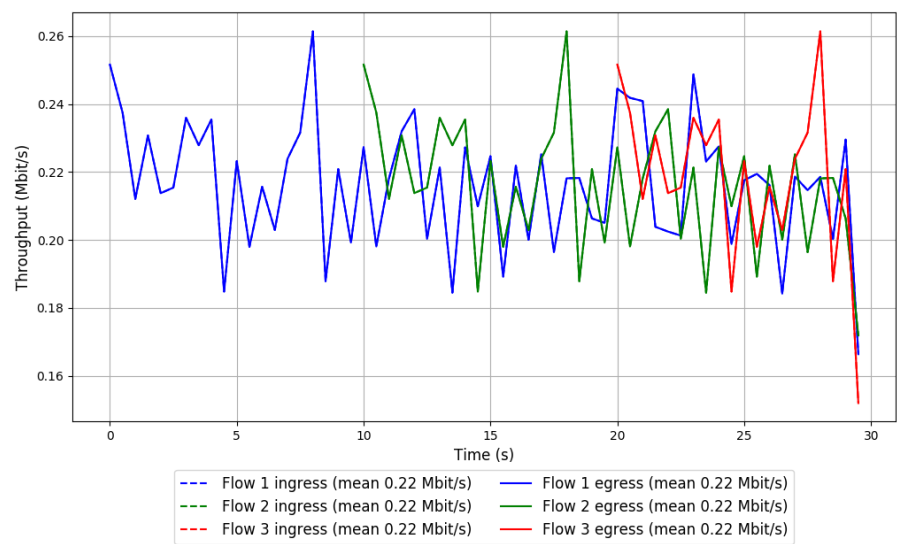


Run 7: Statistics of SReAM

Start at: 2017-09-07 23:53:00
End at: 2017-09-07 23:53:30
Local clock offset: -3.386 ms
Remote clock offset: 0.973 ms

Below is generated by plot.py at 2017-09-08 07:06:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.021 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

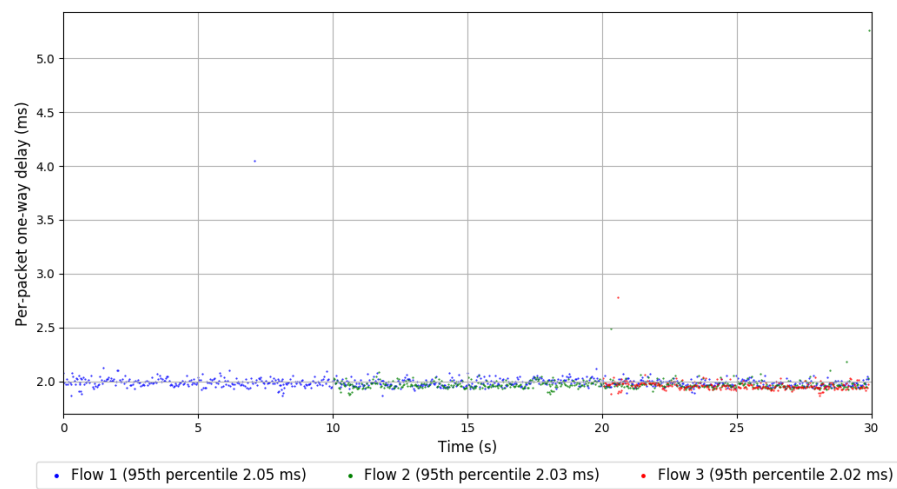
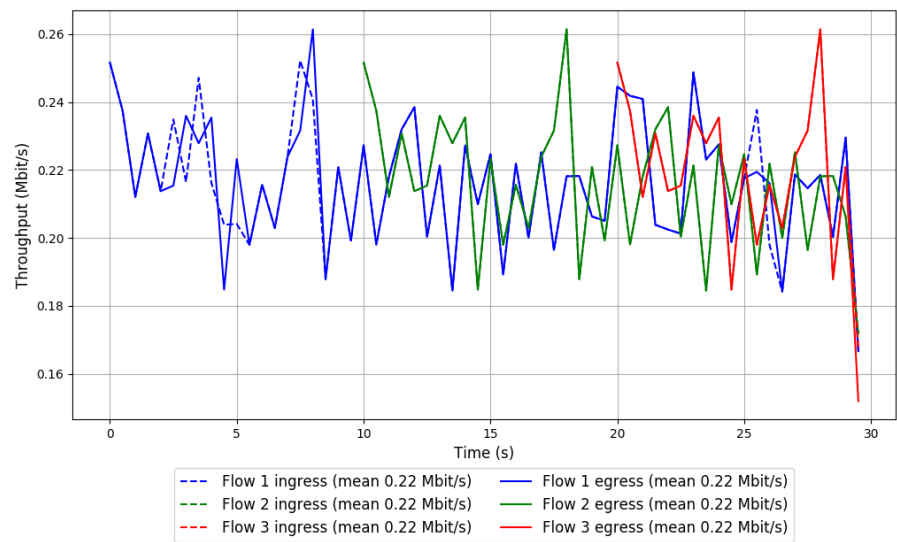


Run 8: Statistics of SReAM

Start at: 2017-09-08 00:13:14
End at: 2017-09-08 00:13:44
Local clock offset: -3.255 ms
Remote clock offset: 0.923 ms

Below is generated by plot.py at 2017-09-08 07:06:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.041 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.049 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.019 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-09-08 00:33:11

End at: 2017-09-08 00:33:41

Local clock offset: -3.176 ms

Remote clock offset: 0.859 ms

Below is generated by plot.py at 2017-09-08 07:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.094 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.075 ms

Loss rate: 0.20%

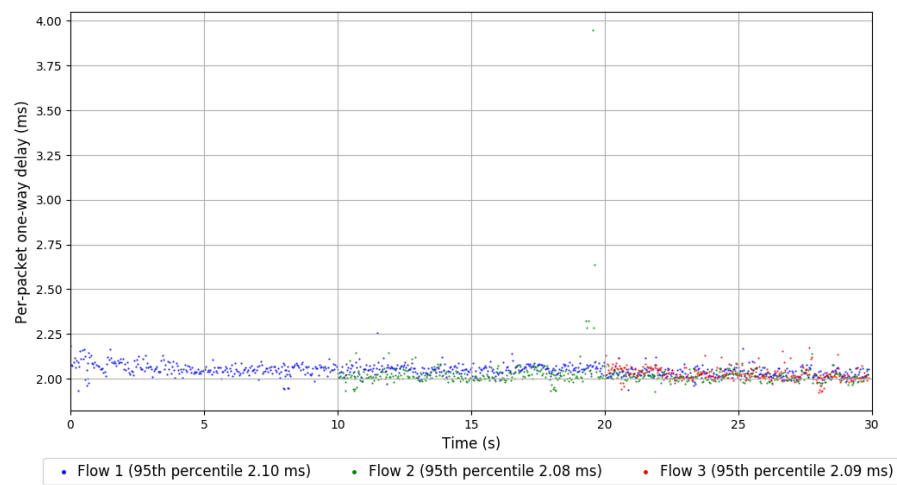
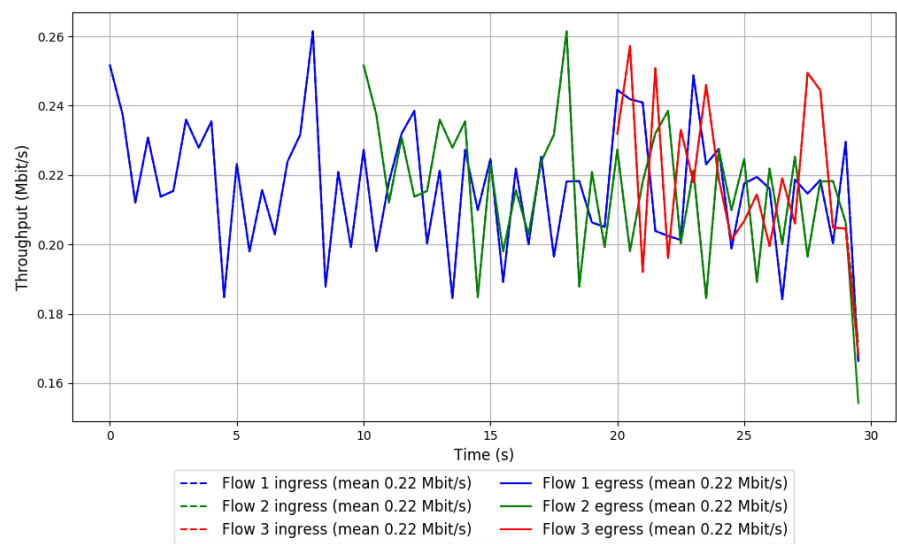
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.089 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-09-08 00:53:19

End at: 2017-09-08 00:53:49

Local clock offset: -2.962 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2017-09-08 07:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.170 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.180 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 0.20%

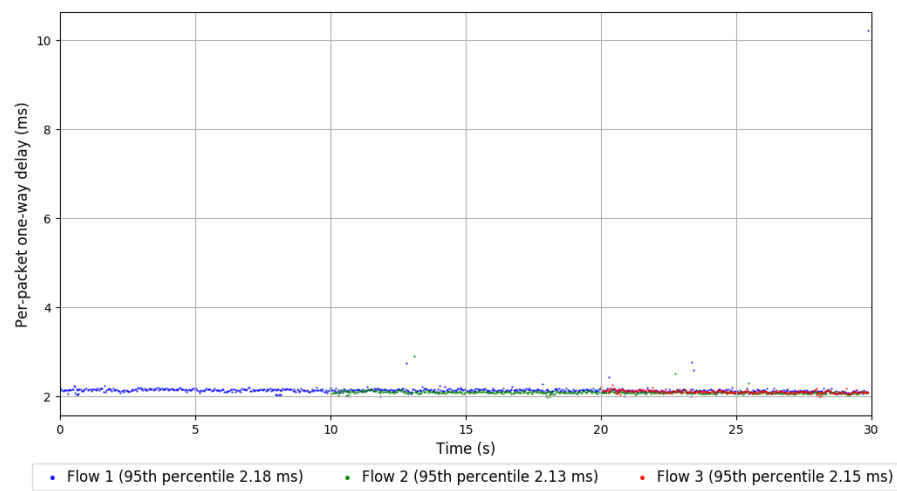
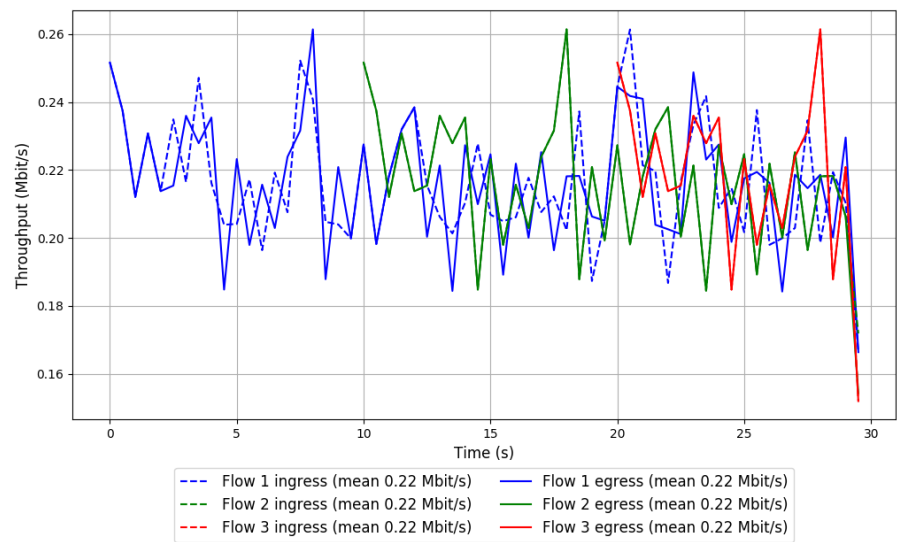
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.152 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-07 21:55:17

End at: 2017-09-07 21:55:47

Local clock offset: -3.178 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2017-09-08 07:06:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.49 Mbit/s

95th percentile per-packet one-way delay: 2.830 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 49.92 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.95 Mbit/s

95th percentile per-packet one-way delay: 3.028 ms

Loss rate: 0.10%

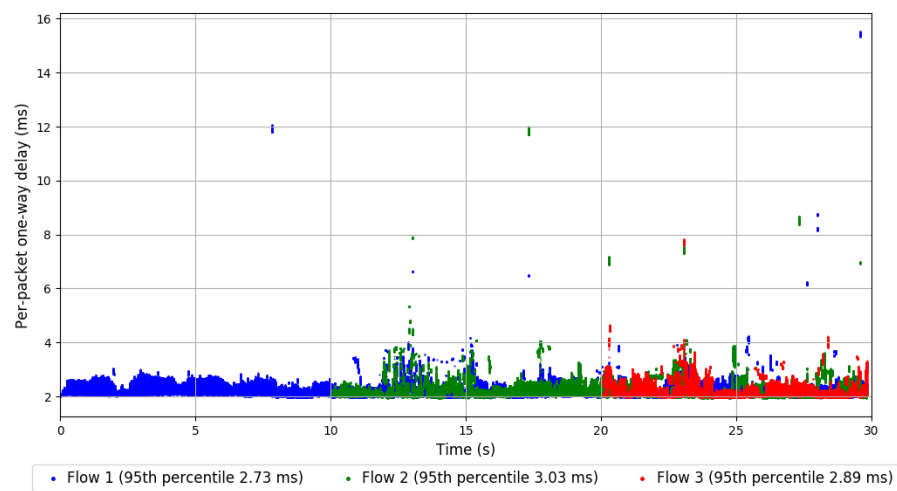
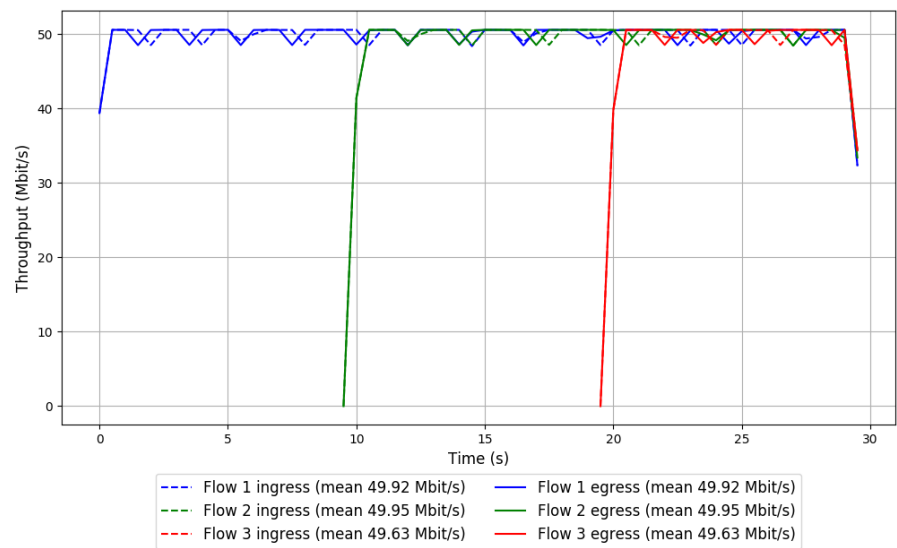
-- Flow 3:

Average throughput: 49.63 Mbit/s

95th percentile per-packet one-way delay: 2.889 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

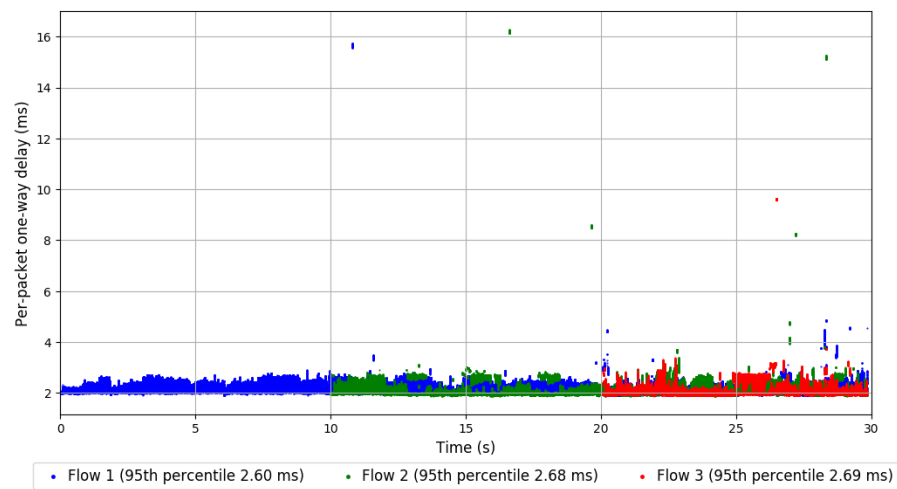
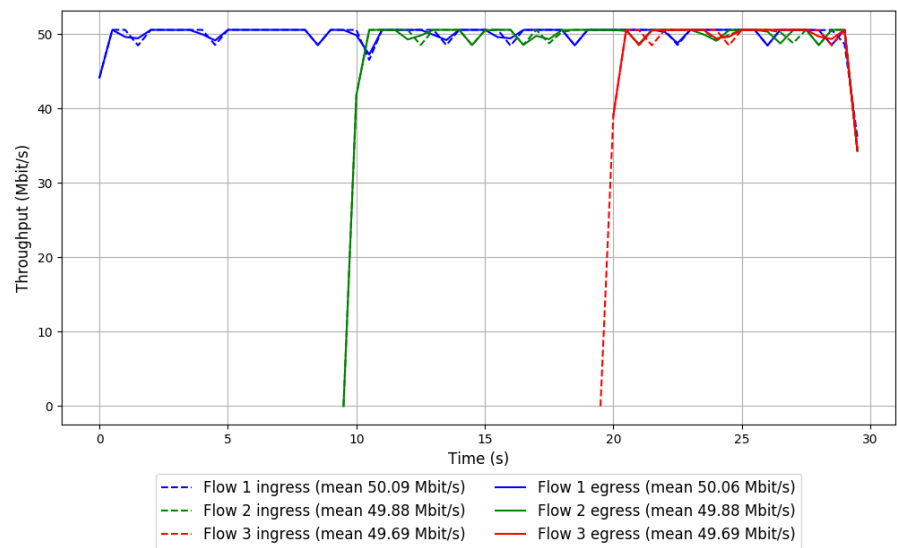


Run 2: Statistics of Sprout

Start at: 2017-09-07 22:15:31
End at: 2017-09-07 22:16:01
Local clock offset: -3.327 ms
Remote clock offset: 0.364 ms

Below is generated by plot.py at 2017-09-08 07:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.60 Mbit/s
95th percentile per-packet one-way delay: 2.643 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 2.596 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 2.685 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

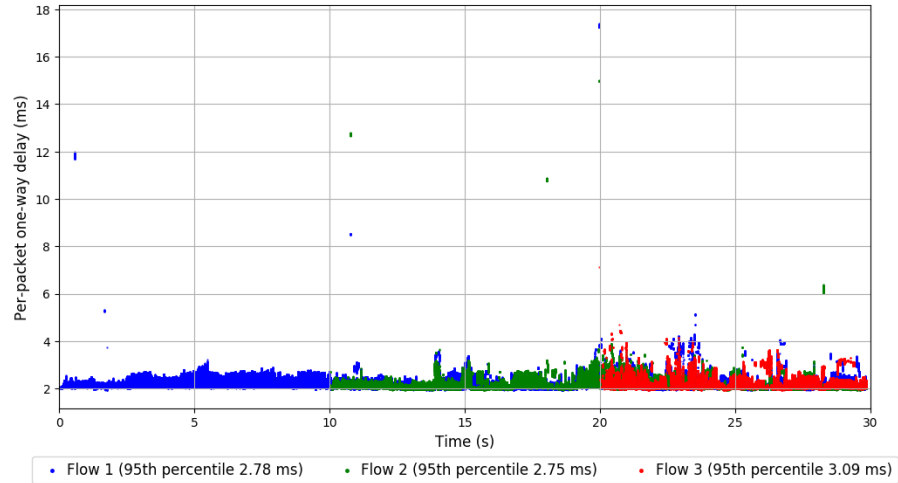
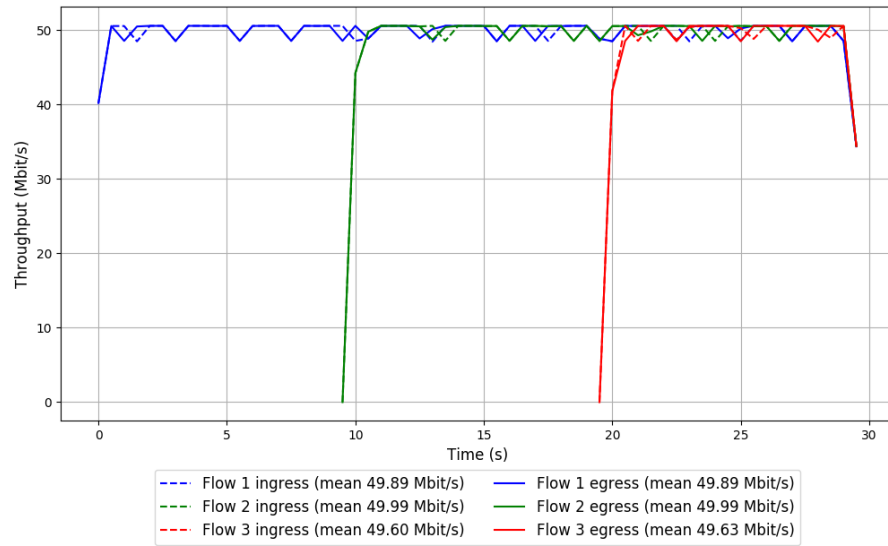


Run 3: Statistics of Sprout

Start at: 2017-09-07 22:35:42
End at: 2017-09-07 22:36:12
Local clock offset: -3.361 ms
Remote clock offset: 0.697 ms

```
# Below is generated by plot.py at 2017-09-08 07:06:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.50 Mbit/s
95th percentile per-packet one-way delay: 2.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 2.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 2.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 3.090 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-09-07 22:56:05

End at: 2017-09-07 22:56:35

Local clock offset: -3.502 ms

Remote clock offset: 0.908 ms

Below is generated by plot.py at 2017-09-08 07:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.66 Mbit/s

95th percentile per-packet one-way delay: 2.817 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.07 Mbit/s

95th percentile per-packet one-way delay: 2.875 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.88 Mbit/s

95th percentile per-packet one-way delay: 2.816 ms

Loss rate: 0.00%

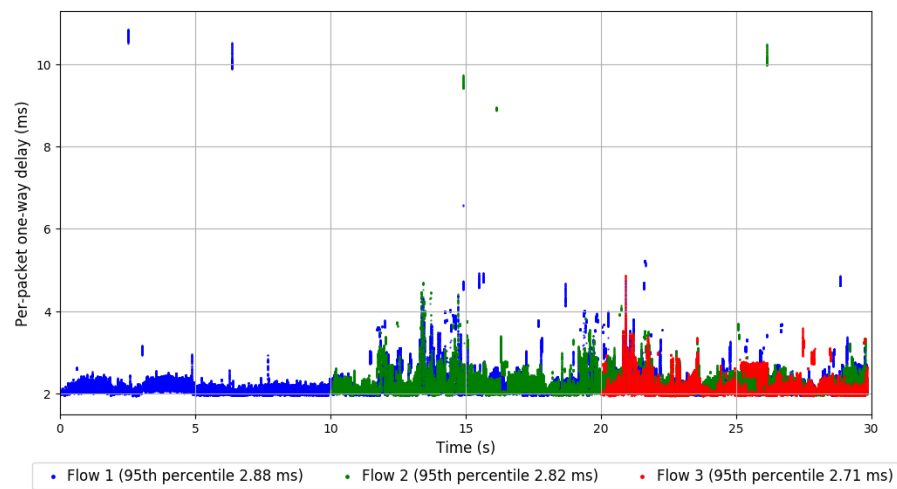
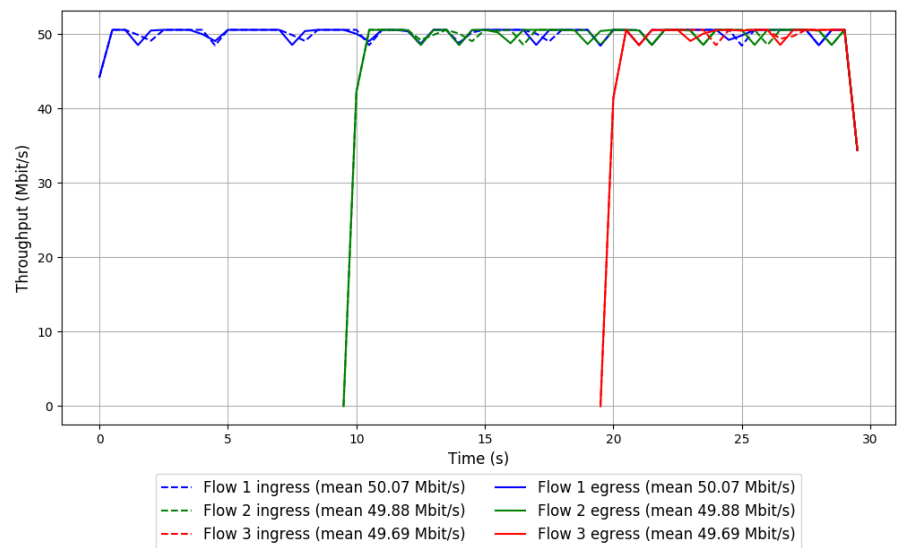
-- Flow 3:

Average throughput: 49.69 Mbit/s

95th percentile per-packet one-way delay: 2.706 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-07 23:16:05

End at: 2017-09-07 23:16:35

Local clock offset: -3.76 ms

Remote clock offset: 1.019 ms

Below is generated by plot.py at 2017-09-08 07:06:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.55 Mbit/s

95th percentile per-packet one-way delay: 2.683 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 2.626 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 49.90 Mbit/s

95th percentile per-packet one-way delay: 2.808 ms

Loss rate: 0.00%

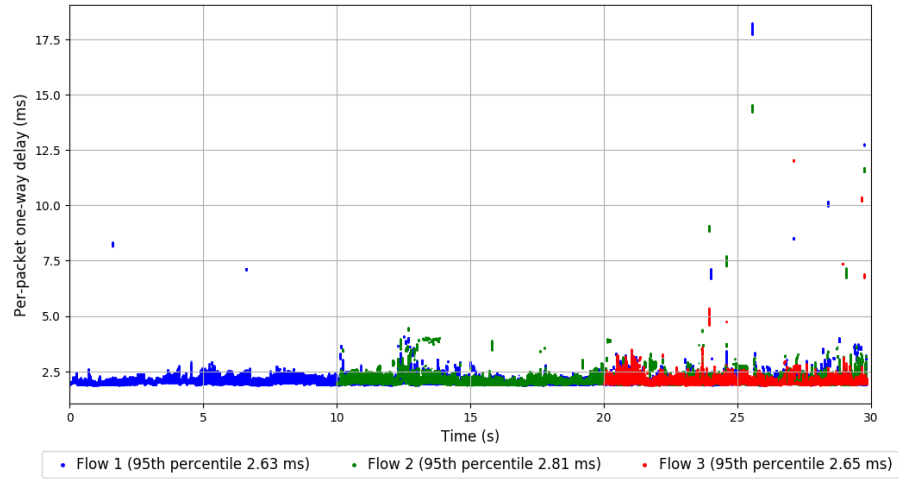
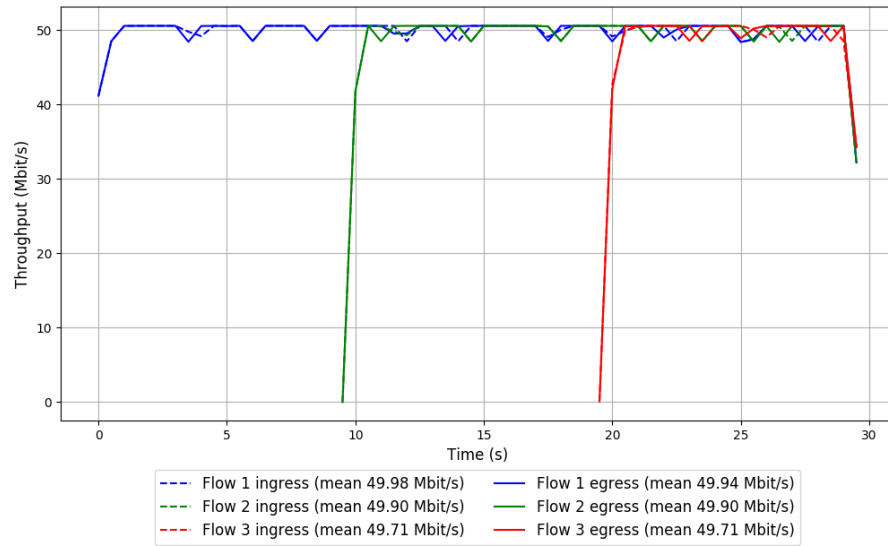
-- Flow 3:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 2.653 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

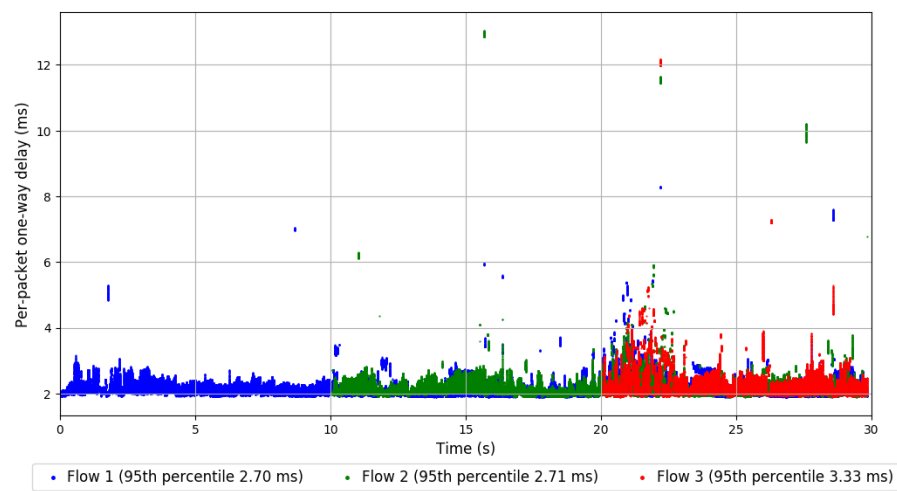
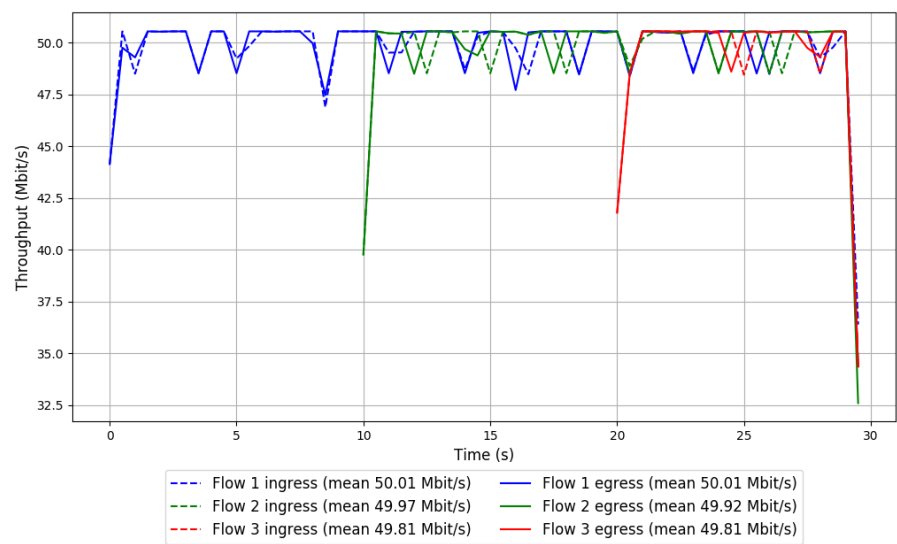


Run 6: Statistics of Sprout

Start at: 2017-09-07 23:36:05
End at: 2017-09-07 23:36:35
Local clock offset: -3.561 ms
Remote clock offset: 1.118 ms

```
# Below is generated by plot.py at 2017-09-08 07:07:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.57 Mbit/s
95th percentile per-packet one-way delay: 2.775 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 2.697 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 2.709 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

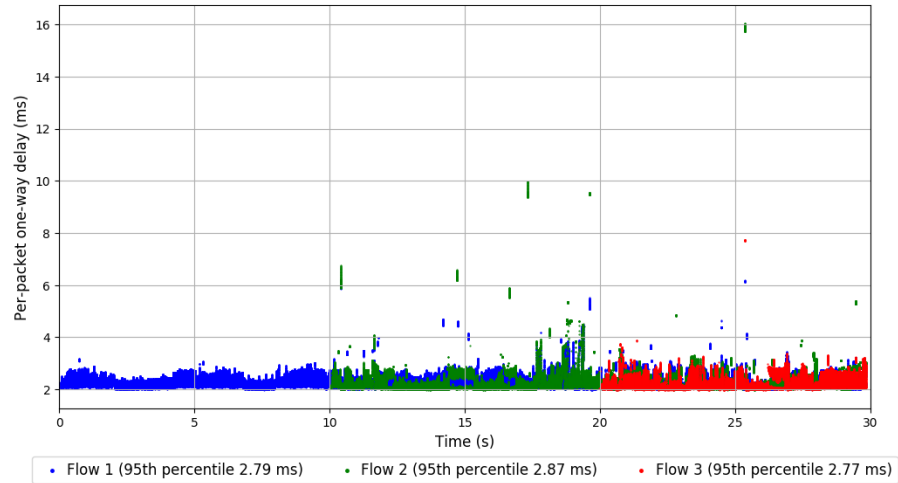
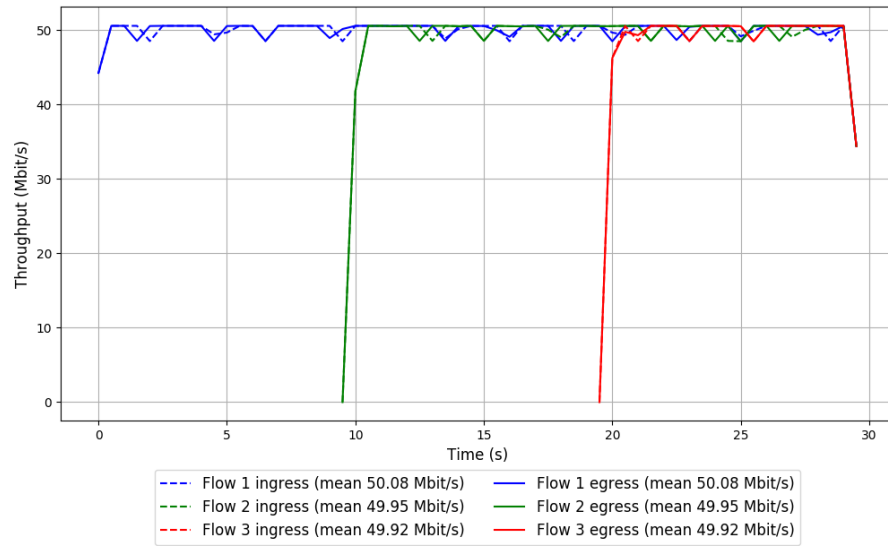


Run 7: Statistics of Sprout

Start at: 2017-09-07 23:56:29
End at: 2017-09-07 23:56:59
Local clock offset: -3.272 ms
Remote clock offset: 0.936 ms

```
# Below is generated by plot.py at 2017-09-08 07:07:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.78 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 2.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 2.873 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 2.775 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

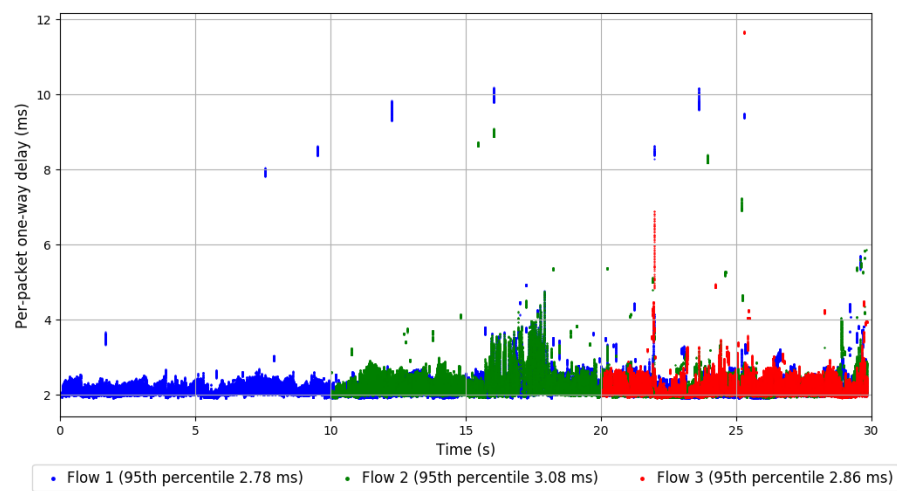
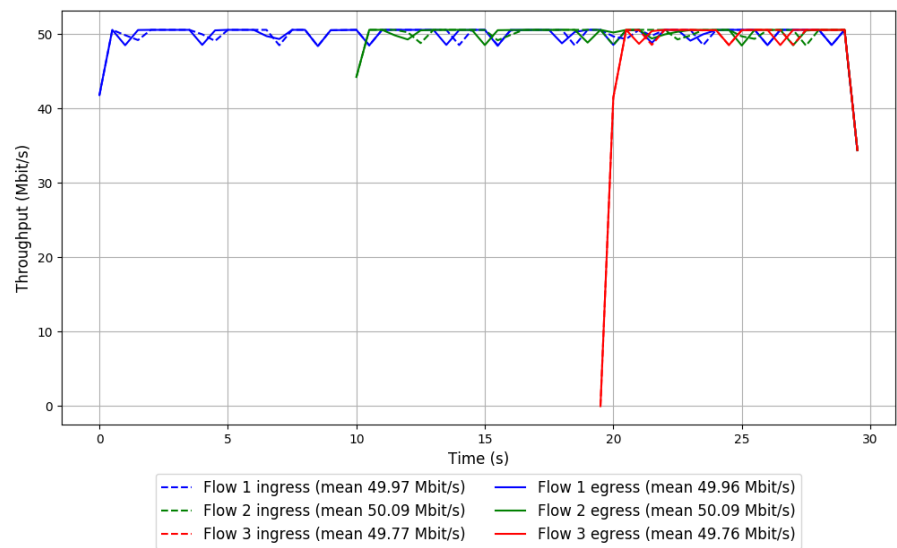


Run 8: Statistics of Sprout

Start at: 2017-09-08 00:16:43
End at: 2017-09-08 00:17:13
Local clock offset: -3.165 ms
Remote clock offset: 0.925 ms

Below is generated by plot.py at 2017-09-08 07:07:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.66 Mbit/s
95th percentile per-packet one-way delay: 2.903 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 3.078 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-08 00:36:40

End at: 2017-09-08 00:37:10

Local clock offset: -3.1 ms

Remote clock offset: 0.901 ms

Below is generated by plot.py at 2017-09-08 07:07:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.59 Mbit/s

95th percentile per-packet one-way delay: 2.730 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 2.722 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 49.92 Mbit/s

95th percentile per-packet one-way delay: 2.731 ms

Loss rate: 0.00%

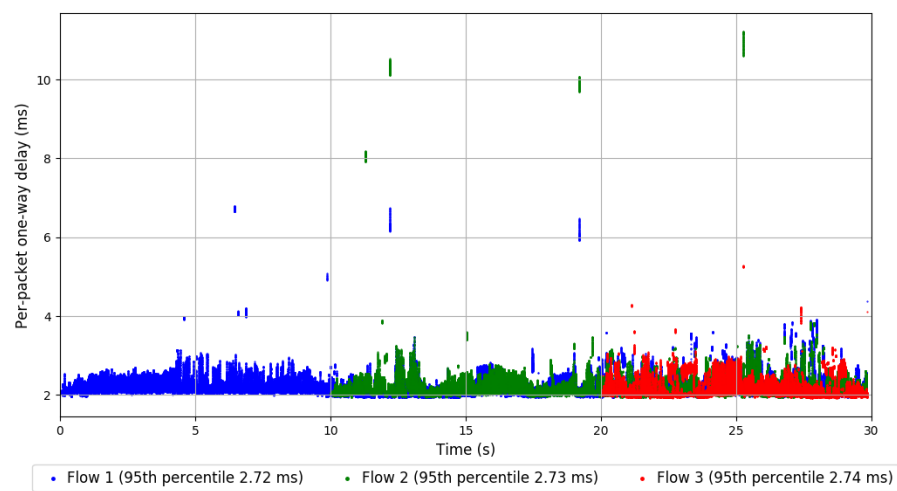
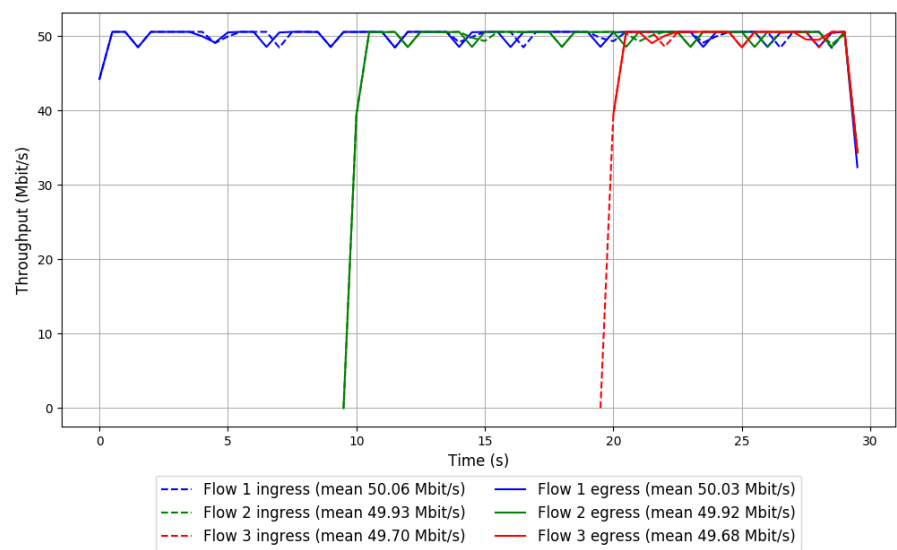
-- Flow 3:

Average throughput: 49.68 Mbit/s

95th percentile per-packet one-way delay: 2.742 ms

Loss rate: 0.01%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-08 00:56:48

End at: 2017-09-08 00:57:18

Local clock offset: -3.082 ms

Remote clock offset: 0.489 ms

Below is generated by plot.py at 2017-09-08 07:07:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.48 Mbit/s

95th percentile per-packet one-way delay: 2.865 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 2.779 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.82 Mbit/s

95th percentile per-packet one-way delay: 3.119 ms

Loss rate: 0.00%

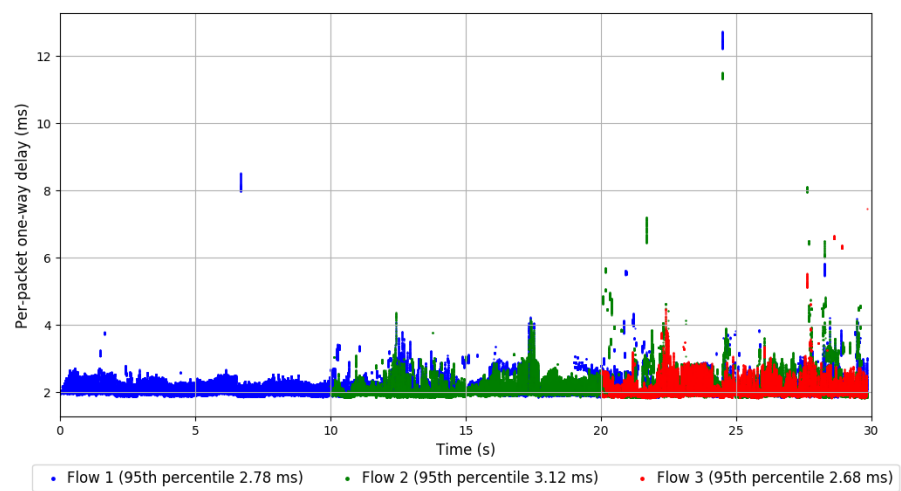
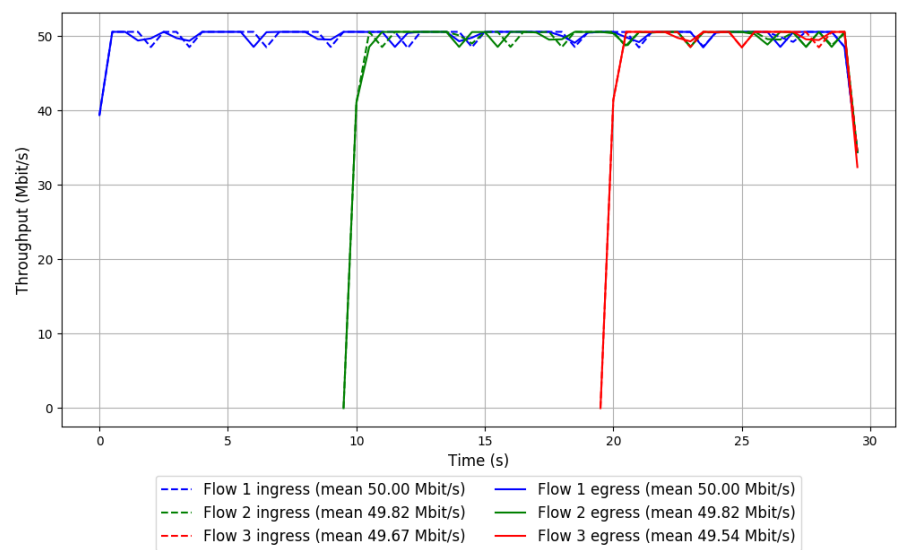
-- Flow 3:

Average throughput: 49.54 Mbit/s

95th percentile per-packet one-way delay: 2.683 ms

Loss rate: 0.20%

Run 10: Report of Sprout — Data Link

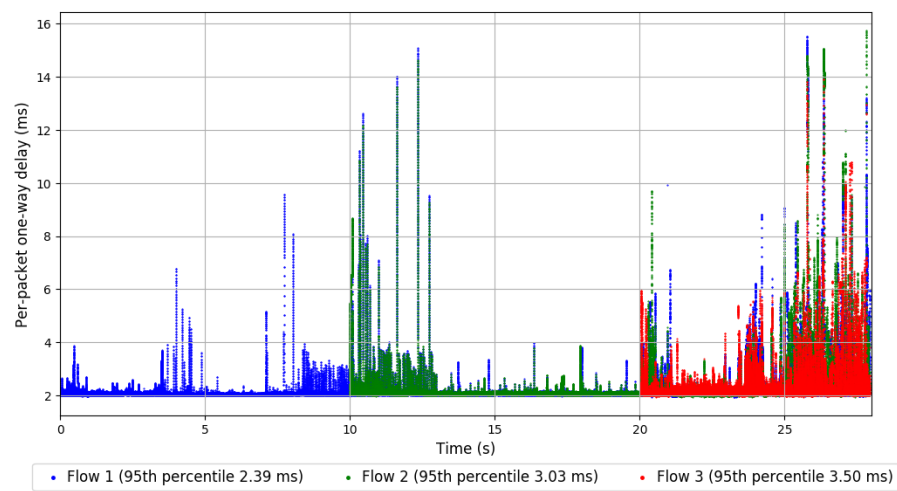
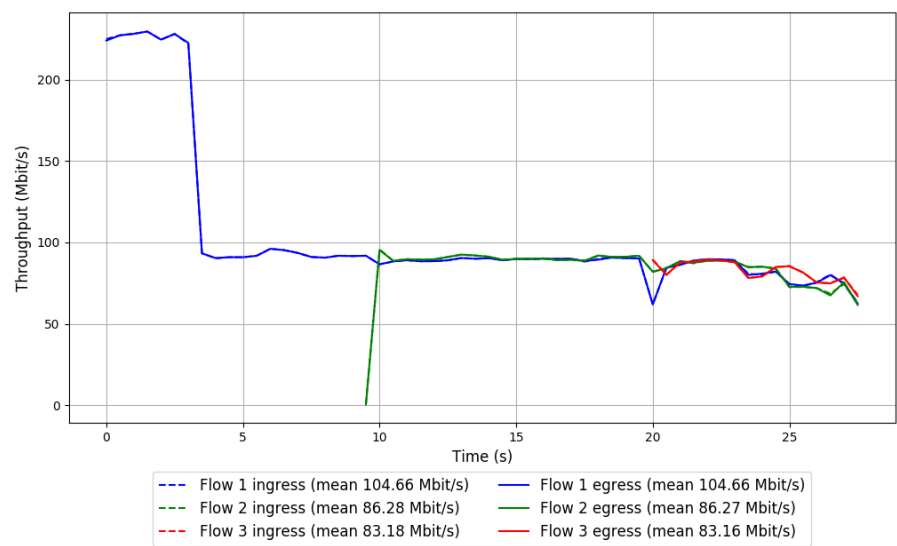


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-07 21:52:50
End at: 2017-09-07 21:53:20
Local clock offset: -3.189 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2017-09-08 07:07:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.66 Mbit/s
95th percentile per-packet one-way delay: 2.769 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 104.66 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 3.030 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 3.505 ms
Loss rate: 0.08%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-07 22:13:06

End at: 2017-09-07 22:13:36

Local clock offset: -3.253 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2017-09-08 07:08:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.12 Mbit/s

95th percentile per-packet one-way delay: 2.470 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 91.29 Mbit/s

95th percentile per-packet one-way delay: 2.274 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 2.318 ms

Loss rate: 0.05%

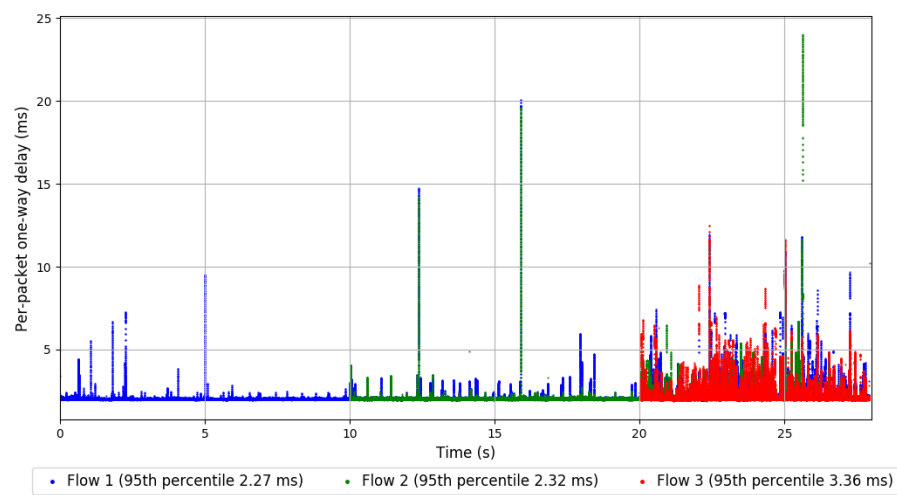
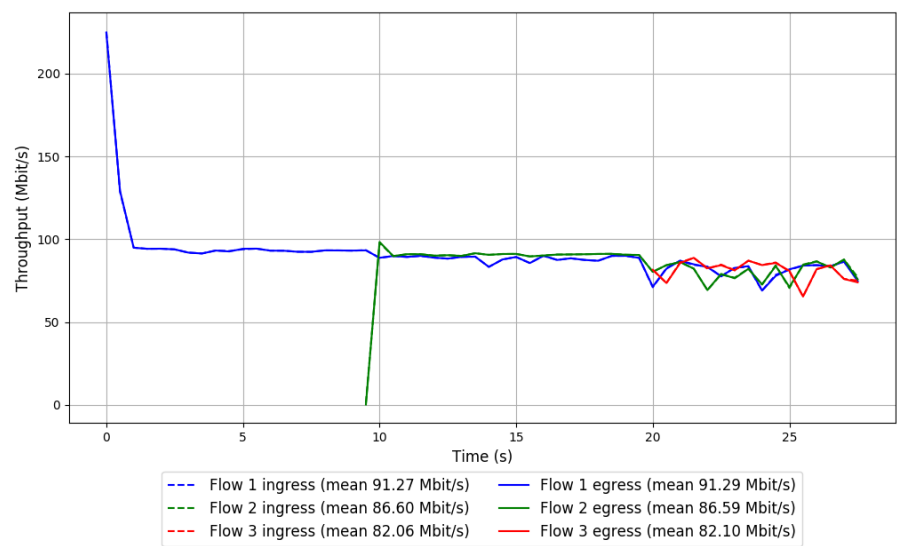
-- Flow 3:

Average throughput: 82.10 Mbit/s

95th percentile per-packet one-way delay: 3.360 ms

Loss rate: 0.11%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-07 22:33:16

End at: 2017-09-07 22:33:46

Local clock offset: -3.355 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2017-09-08 07:08:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.26 Mbit/s

95th percentile per-packet one-way delay: 2.263 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 2.200 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 2.392 ms

Loss rate: 0.05%

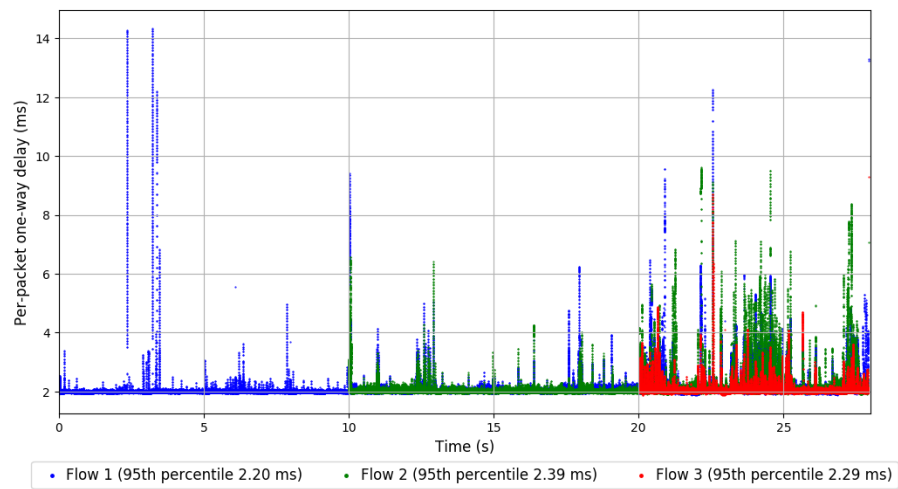
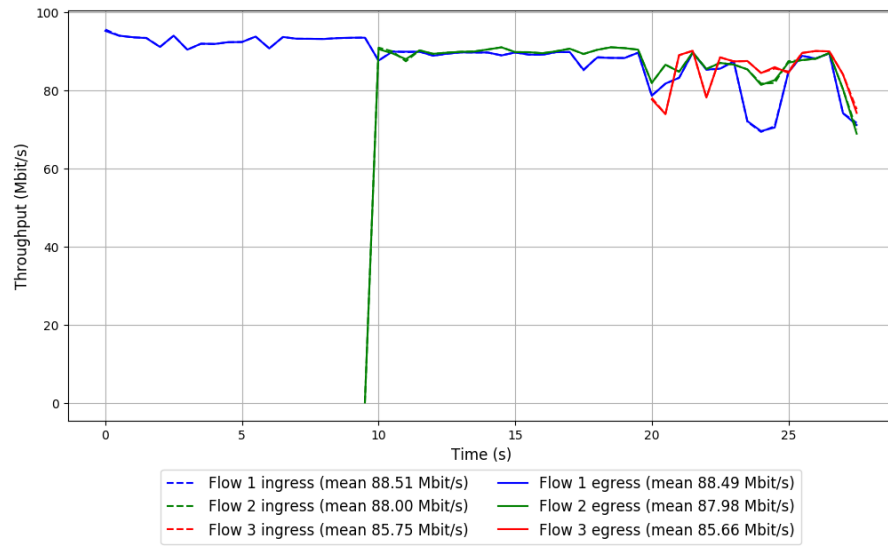
-- Flow 3:

Average throughput: 85.66 Mbit/s

95th percentile per-packet one-way delay: 2.294 ms

Loss rate: 0.10%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-07 22:53:39

End at: 2017-09-07 22:54:09

Local clock offset: -3.504 ms

Remote clock offset: 0.894 ms

Below is generated by plot.py at 2017-09-08 07:08:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.49 Mbit/s

95th percentile per-packet one-way delay: 2.570 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 2.344 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 87.68 Mbit/s

95th percentile per-packet one-way delay: 2.460 ms

Loss rate: 0.02%

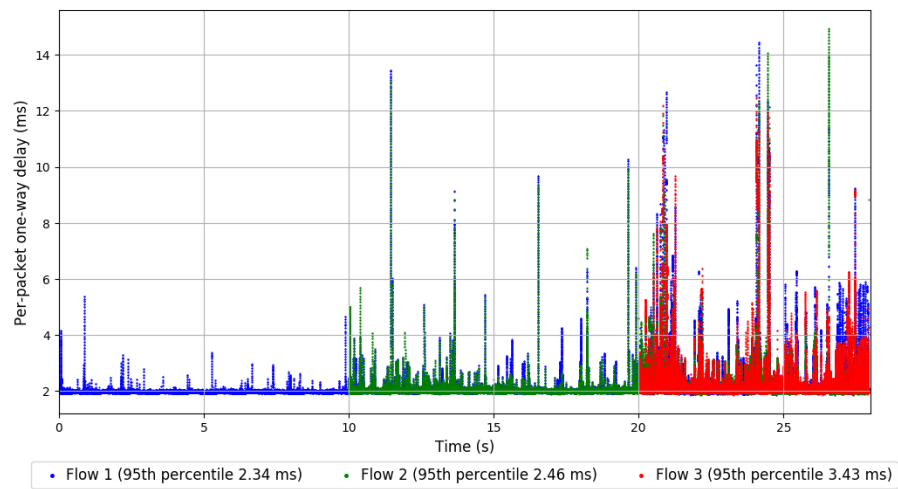
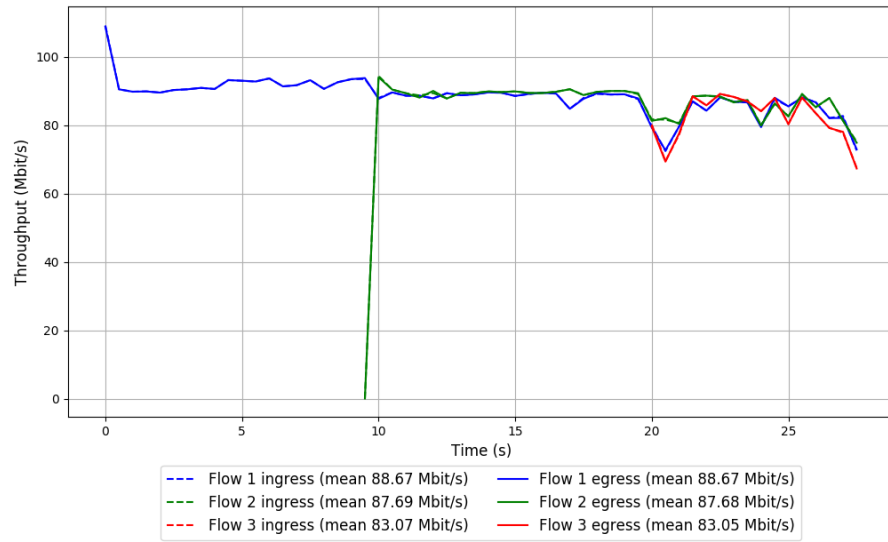
-- Flow 3:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 3.427 ms

Loss rate: 0.03%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-07 23:13:39

End at: 2017-09-07 23:14:09

Local clock offset: -3.66 ms

Remote clock offset: 1.02 ms

Below is generated by plot.py at 2017-09-08 07:09:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.18 Mbit/s

95th percentile per-packet one-way delay: 2.424 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 2.239 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 2.401 ms

Loss rate: 0.03%

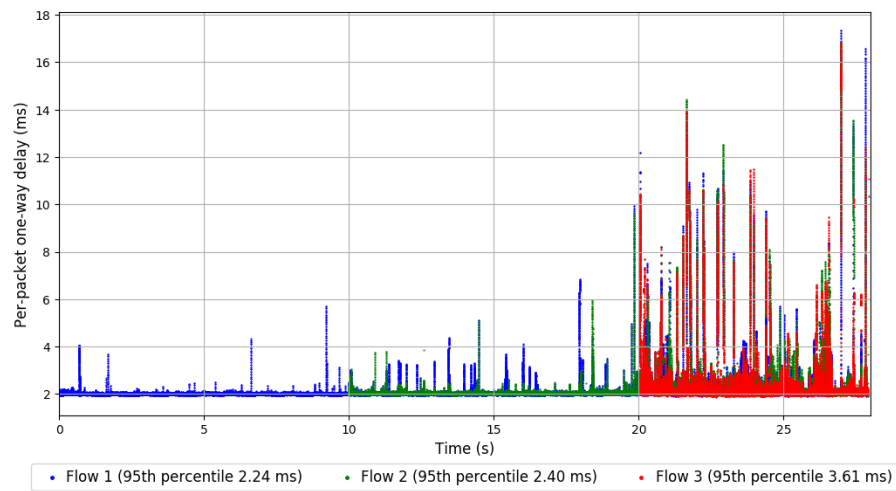
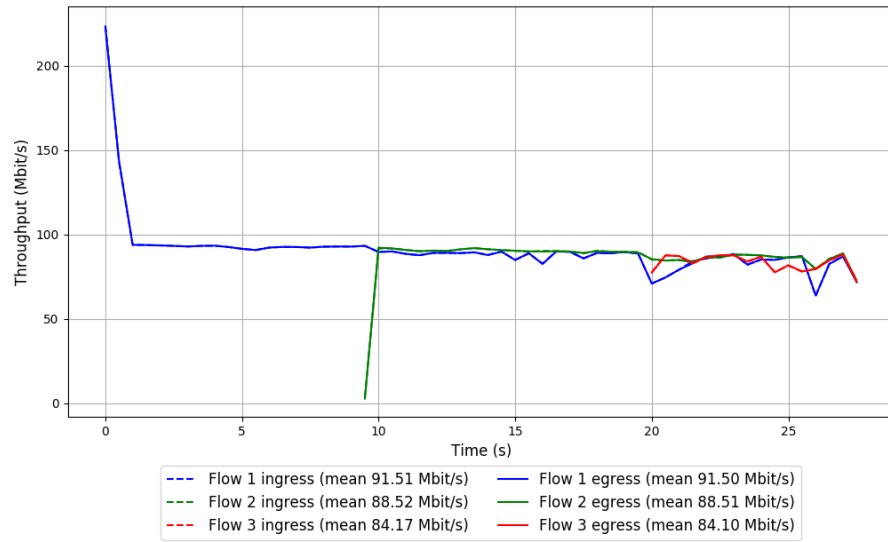
-- Flow 3:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 3.609 ms

Loss rate: 0.09%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-07 23:33:39

End at: 2017-09-07 23:34:09

Local clock offset: -3.575 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2017-09-08 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.45 Mbit/s

95th percentile per-packet one-way delay: 2.593 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 2.397 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 2.861 ms

Loss rate: 0.05%

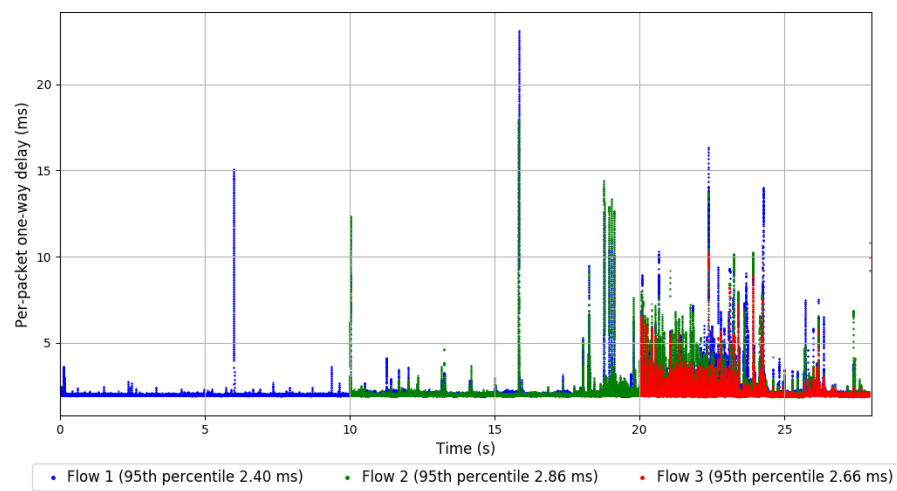
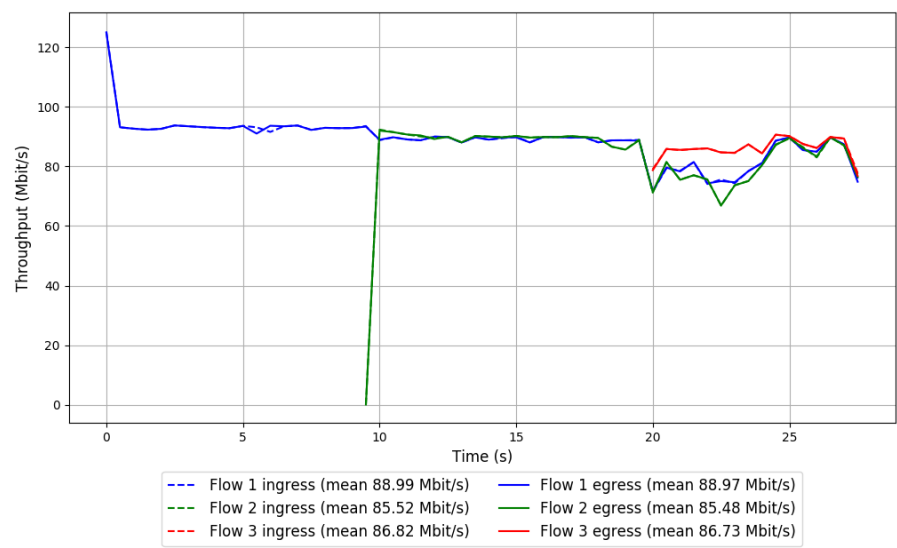
-- Flow 3:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 2.657 ms

Loss rate: 0.09%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-07 23:54:04

End at: 2017-09-07 23:54:34

Local clock offset: -3.305 ms

Remote clock offset: 1.037 ms

Below is generated by plot.py at 2017-09-08 07:09:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.68 Mbit/s

95th percentile per-packet one-way delay: 2.492 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 2.295 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 2.116 ms

Loss rate: 0.08%

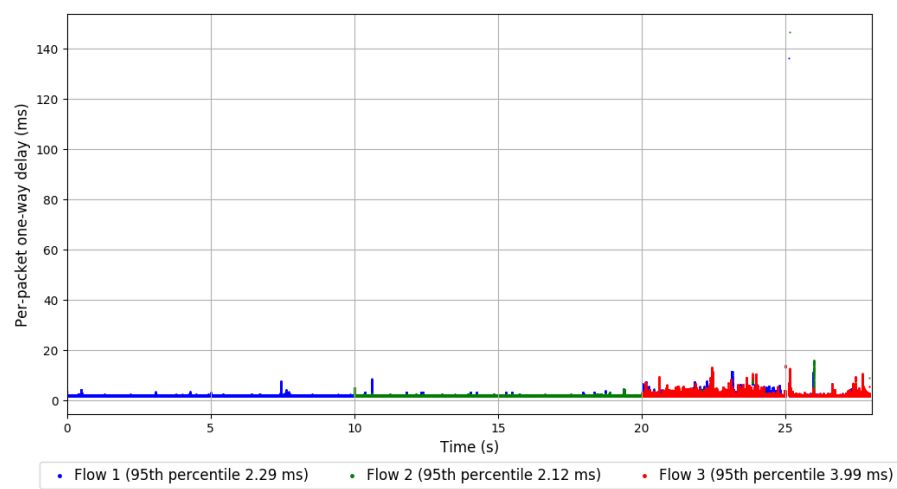
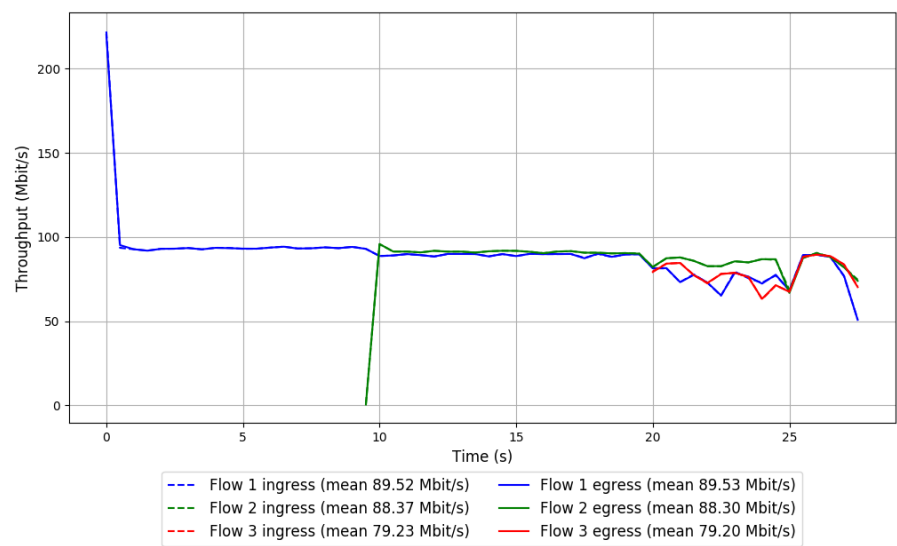
-- Flow 3:

Average throughput: 79.20 Mbit/s

95th percentile per-packet one-way delay: 3.988 ms

Loss rate: 0.07%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-08 00:14:18

End at: 2017-09-08 00:14:48

Local clock offset: -3.182 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2017-09-08 07:09:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.63 Mbit/s

95th percentile per-packet one-way delay: 2.736 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 2.818 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 85.38 Mbit/s

95th percentile per-packet one-way delay: 2.709 ms

Loss rate: 0.03%

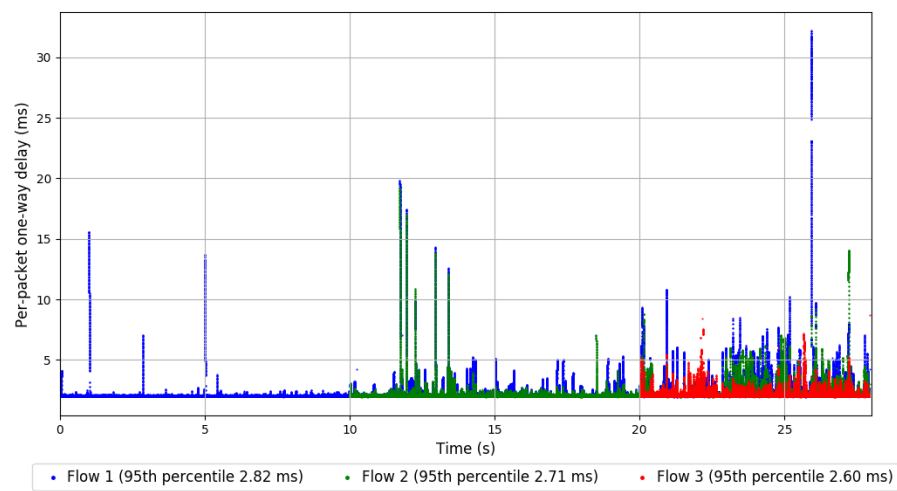
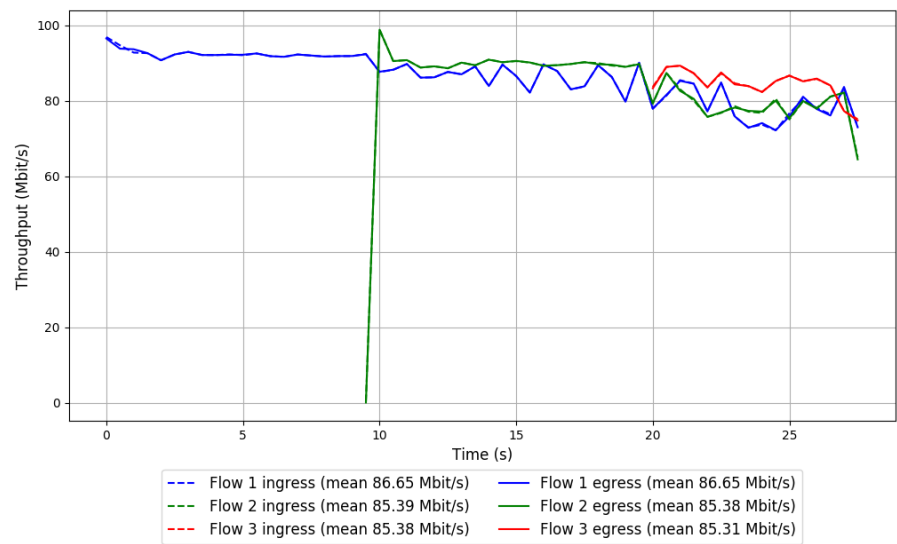
-- Flow 3:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 2.605 ms

Loss rate: 0.05%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-08 00:34:15

End at: 2017-09-08 00:34:45

Local clock offset: -3.182 ms

Remote clock offset: 0.923 ms

Below is generated by plot.py at 2017-09-08 07:10:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.67 Mbit/s

95th percentile per-packet one-way delay: 3.004 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 90.48 Mbit/s

95th percentile per-packet one-way delay: 2.662 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 3.070 ms

Loss rate: 0.04%

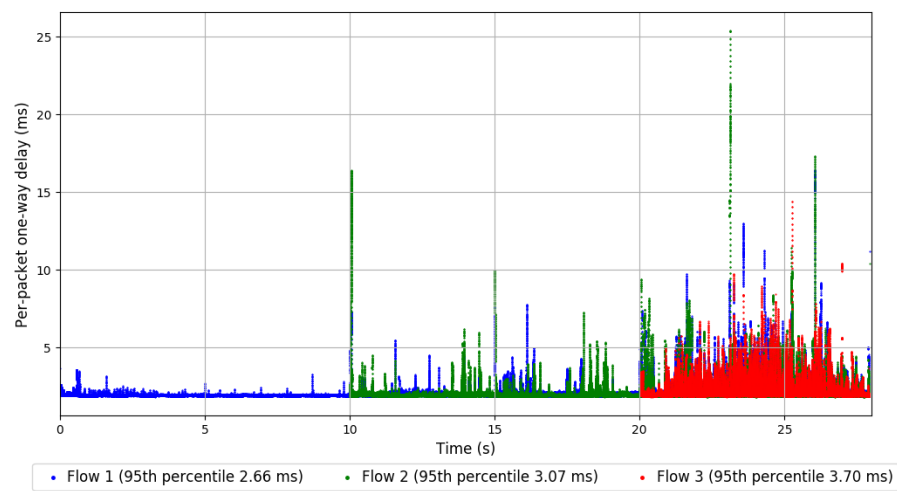
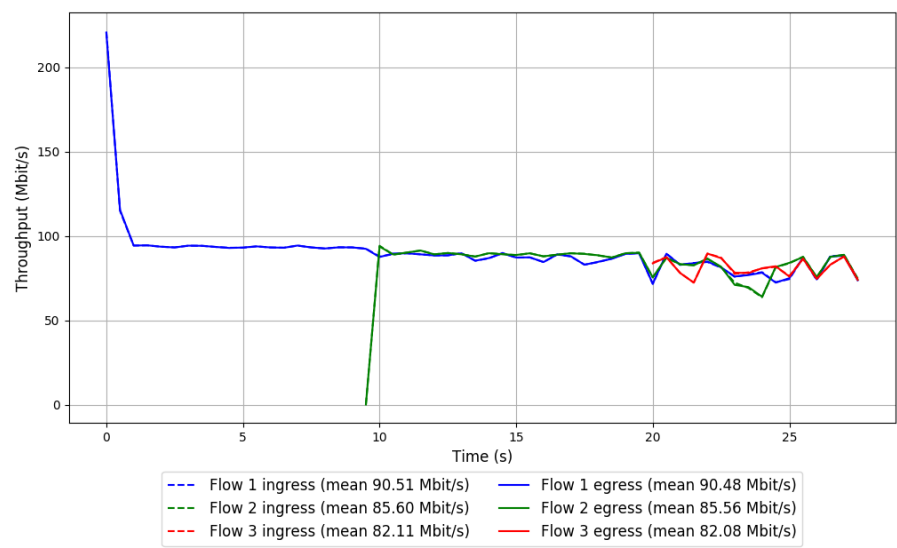
-- Flow 3:

Average throughput: 82.08 Mbit/s

95th percentile per-packet one-way delay: 3.700 ms

Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-08 00:54:23

End at: 2017-09-08 00:54:53

Local clock offset: -3.037 ms

Remote clock offset: 0.608 ms

Below is generated by plot.py at 2017-09-08 07:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.47 Mbit/s

95th percentile per-packet one-way delay: 2.555 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 2.138 ms

Loss rate: 0.05%

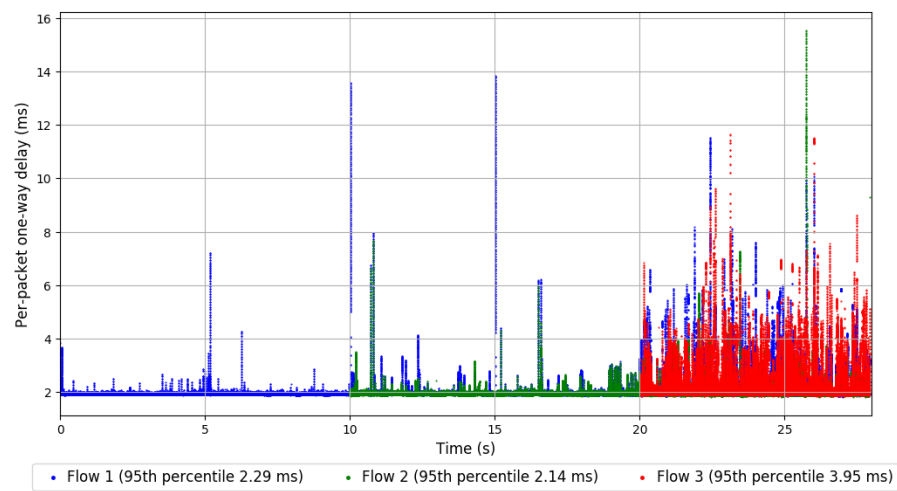
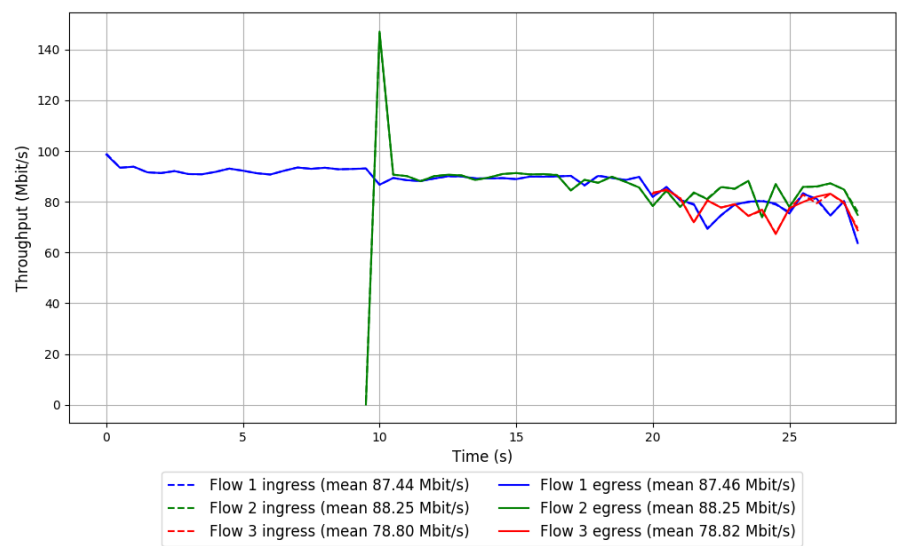
-- Flow 3:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 3.948 ms

Loss rate: 0.07%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-09-07 22:01:48

End at: 2017-09-07 22:02:18

Local clock offset: -3.296 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2017-09-08 07:11:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 472.23 Mbit/s

95th percentile per-packet one-way delay: 3.303 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 266.75 Mbit/s

95th percentile per-packet one-way delay: 3.182 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 220.43 Mbit/s

95th percentile per-packet one-way delay: 3.398 ms

Loss rate: 0.02%

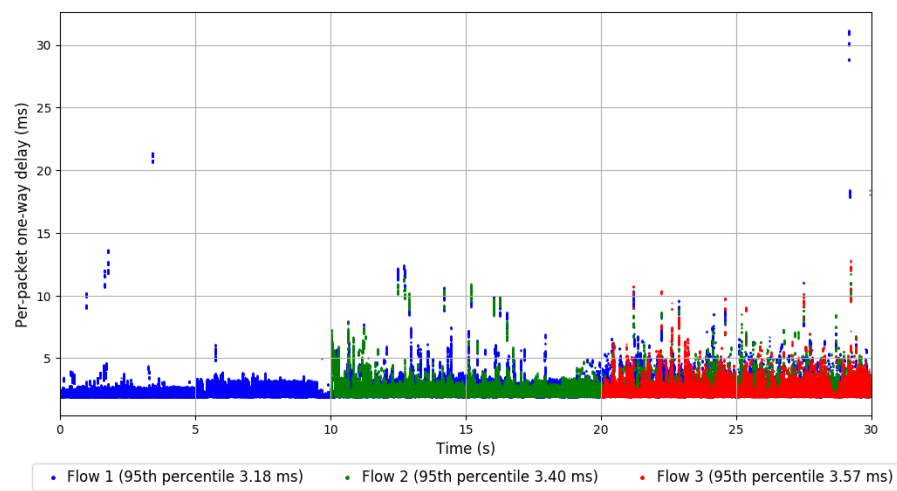
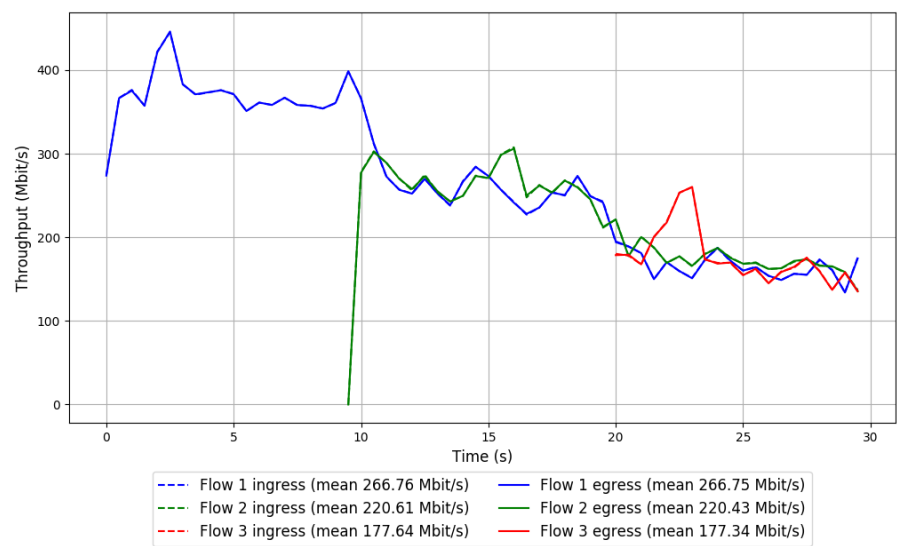
-- Flow 3:

Average throughput: 177.34 Mbit/s

95th percentile per-packet one-way delay: 3.574 ms

Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-07 22:22:02

End at: 2017-09-07 22:22:32

Local clock offset: -3.276 ms

Remote clock offset: 0.508 ms

Below is generated by plot.py at 2017-09-08 07:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.51 Mbit/s

95th percentile per-packet one-way delay: 3.557 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 283.71 Mbit/s

95th percentile per-packet one-way delay: 3.159 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 210.53 Mbit/s

95th percentile per-packet one-way delay: 3.994 ms

Loss rate: 0.01%

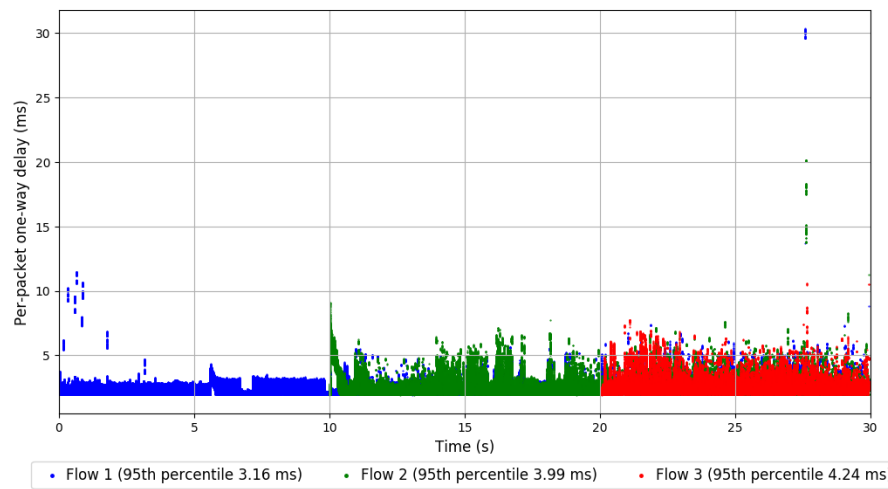
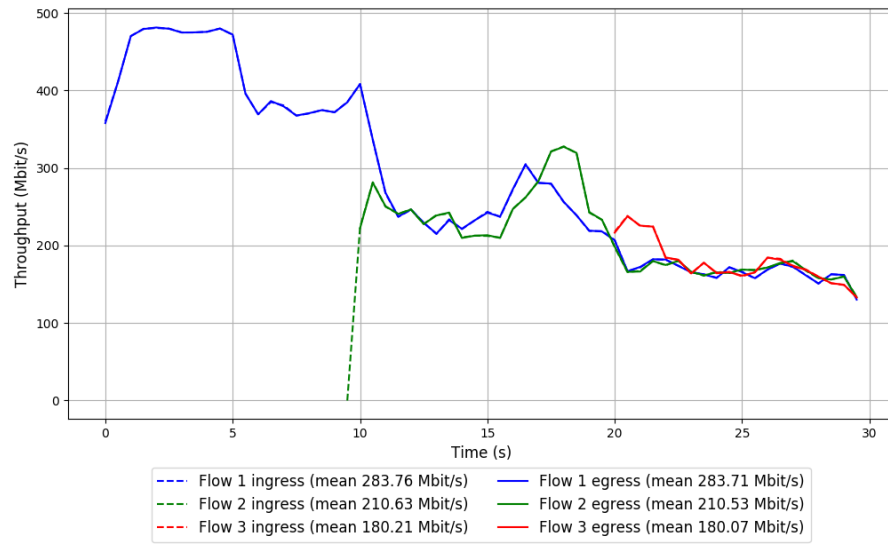
-- Flow 3:

Average throughput: 180.07 Mbit/s

95th percentile per-packet one-way delay: 4.236 ms

Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-09-07 22:42:08

End at: 2017-09-07 22:42:38

Local clock offset: -3.462 ms

Remote clock offset: 0.769 ms

Below is generated by plot.py at 2017-09-08 07:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 515.96 Mbit/s

95th percentile per-packet one-way delay: 4.037 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 296.80 Mbit/s

95th percentile per-packet one-way delay: 3.696 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 223.17 Mbit/s

95th percentile per-packet one-way delay: 3.711 ms

Loss rate: 0.02%

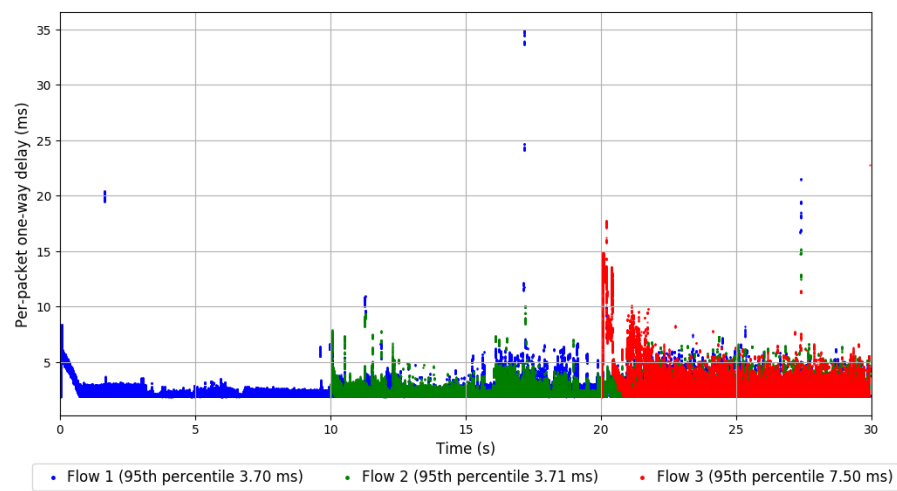
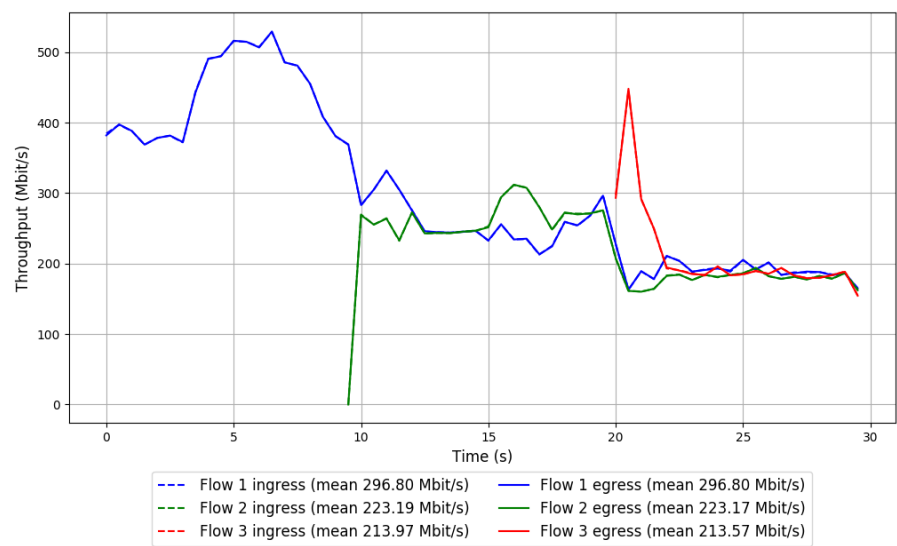
-- Flow 3:

Average throughput: 213.57 Mbit/s

95th percentile per-packet one-way delay: 7.503 ms

Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-09-07 23:02:36

End at: 2017-09-07 23:03:06

Local clock offset: -3.632 ms

Remote clock offset: 0.89 ms

Below is generated by plot.py at 2017-09-08 07:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 468.41 Mbit/s

95th percentile per-packet one-way delay: 3.882 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 261.04 Mbit/s

95th percentile per-packet one-way delay: 3.222 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 207.88 Mbit/s

95th percentile per-packet one-way delay: 3.580 ms

Loss rate: 0.01%

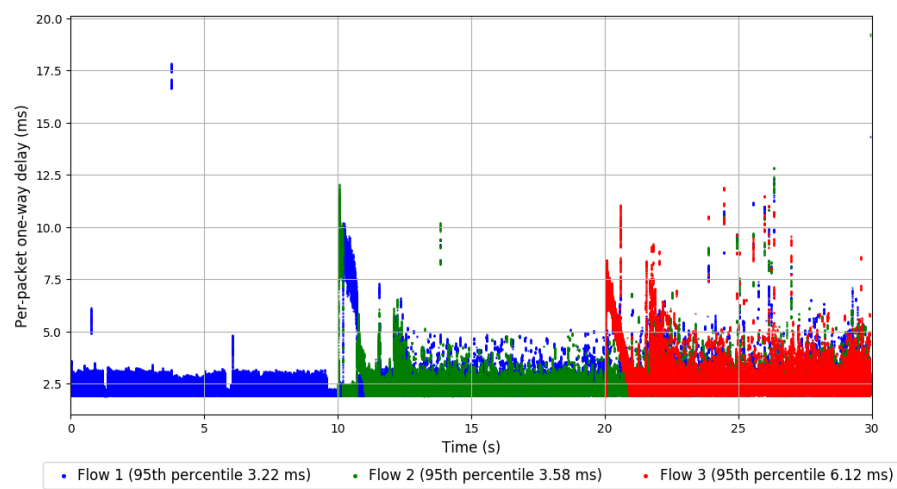
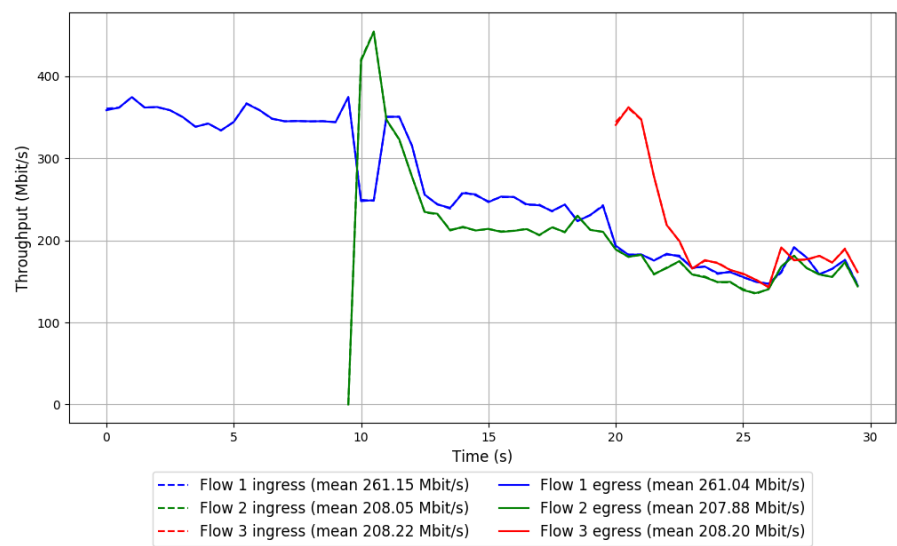
-- Flow 3:

Average throughput: 208.20 Mbit/s

95th percentile per-packet one-way delay: 6.122 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-07 23:22:35

End at: 2017-09-07 23:23:05

Local clock offset: -3.687 ms

Remote clock offset: 1.025 ms

Below is generated by plot.py at 2017-09-08 07:13:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 544.94 Mbit/s

95th percentile per-packet one-way delay: 10.502 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 296.06 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 220.72 Mbit/s

95th percentile per-packet one-way delay: 4.076 ms

Loss rate: 0.02%

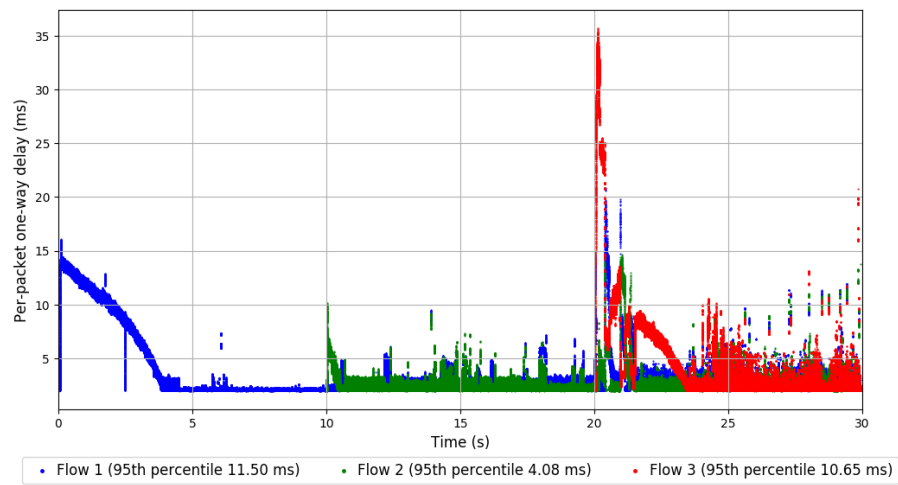
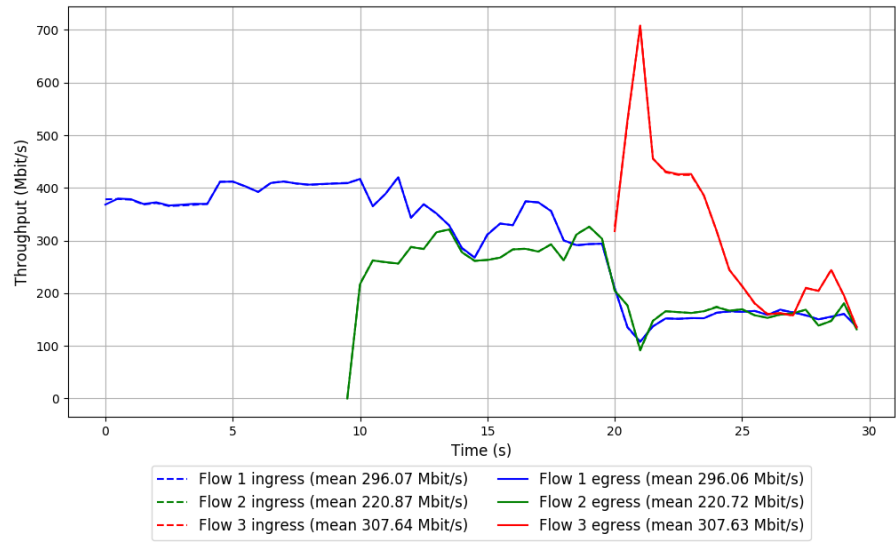
-- Flow 3:

Average throughput: 307.63 Mbit/s

95th percentile per-packet one-way delay: 10.648 ms

Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-07 23:42:34

End at: 2017-09-07 23:43:04

Local clock offset: -3.474 ms

Remote clock offset: 1.079 ms

Below is generated by plot.py at 2017-09-08 07:13:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 428.32 Mbit/s

95th percentile per-packet one-way delay: 4.370 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 227.71 Mbit/s

95th percentile per-packet one-way delay: 3.634 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 203.09 Mbit/s

95th percentile per-packet one-way delay: 3.841 ms

Loss rate: 0.01%

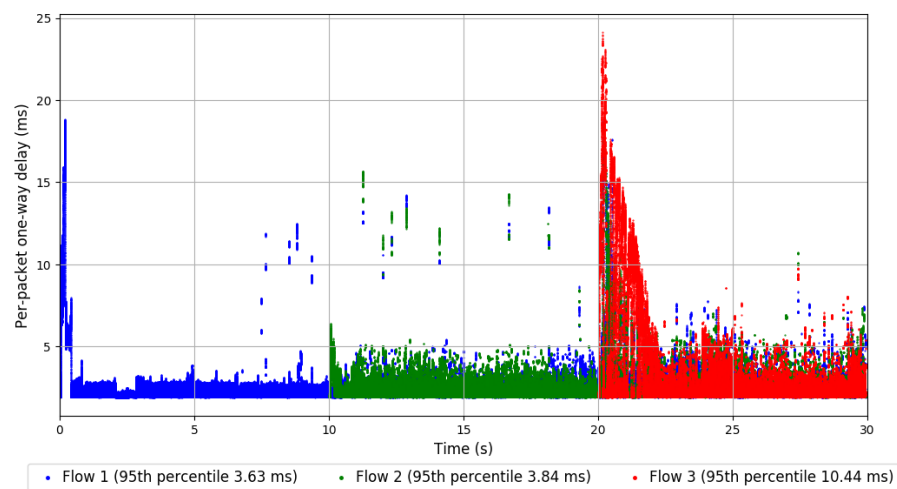
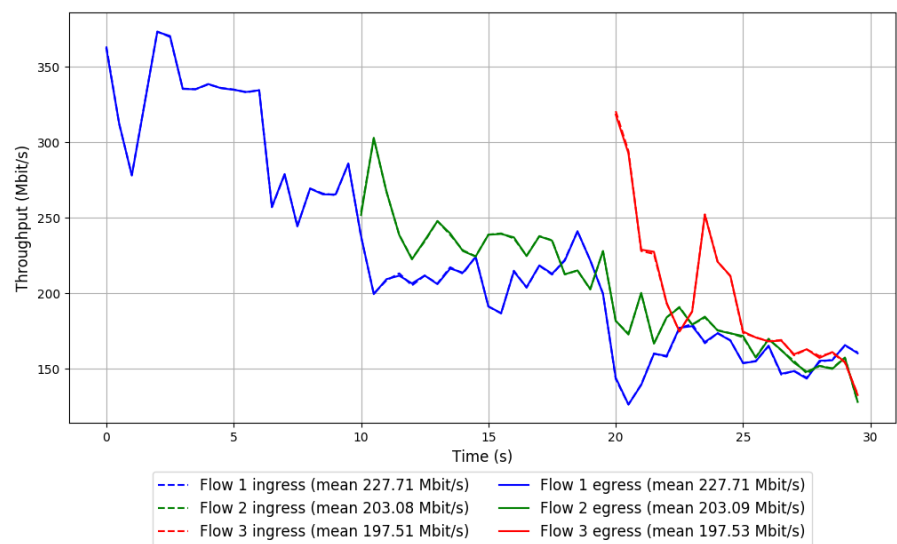
-- Flow 3:

Average throughput: 197.53 Mbit/s

95th percentile per-packet one-way delay: 10.439 ms

Loss rate: 0.03%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-08 00:02:48

End at: 2017-09-08 00:03:18

Local clock offset: -3.309 ms

Remote clock offset: 0.95 ms

Below is generated by plot.py at 2017-09-08 07:14:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.26 Mbit/s

95th percentile per-packet one-way delay: 2.906 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 266.45 Mbit/s

95th percentile per-packet one-way delay: 2.762 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 218.37 Mbit/s

95th percentile per-packet one-way delay: 3.140 ms

Loss rate: 0.02%

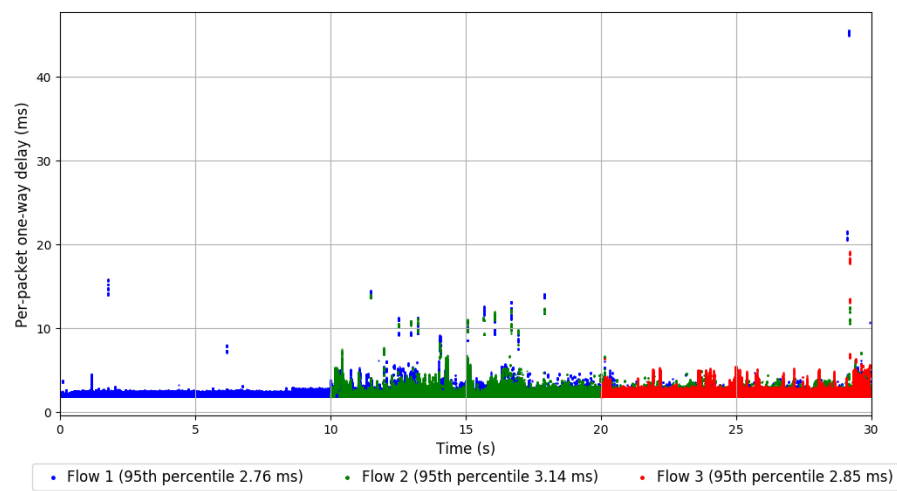
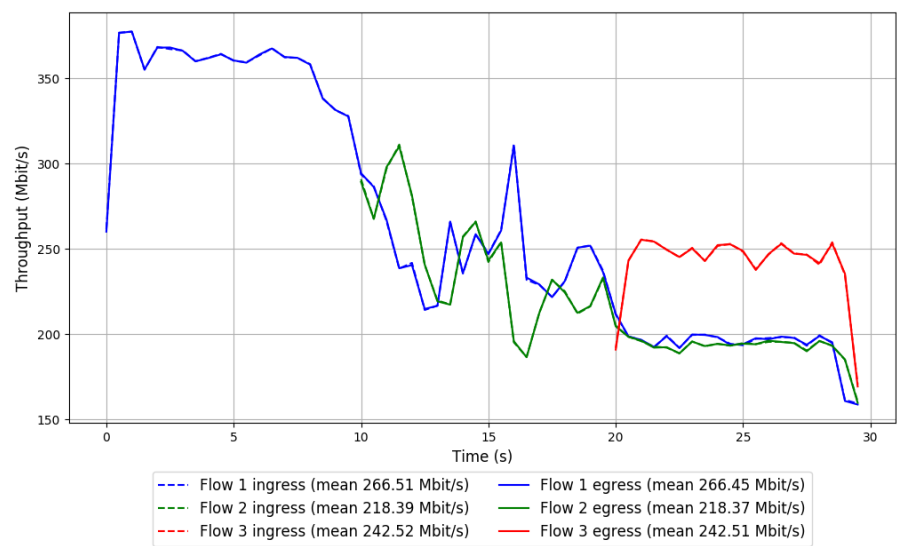
-- Flow 3:

Average throughput: 242.51 Mbit/s

95th percentile per-packet one-way delay: 2.854 ms

Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-08 00:23:13

End at: 2017-09-08 00:23:43

Local clock offset: -3.118 ms

Remote clock offset: 0.918 ms

Below is generated by plot.py at 2017-09-08 07:14:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.43 Mbit/s

95th percentile per-packet one-way delay: 3.546 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 292.79 Mbit/s

95th percentile per-packet one-way delay: 3.010 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 215.35 Mbit/s

95th percentile per-packet one-way delay: 2.896 ms

Loss rate: 0.01%

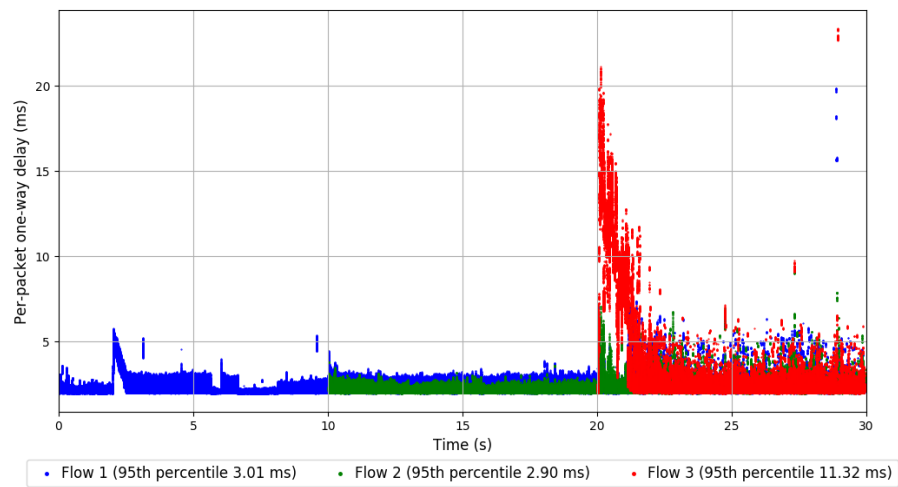
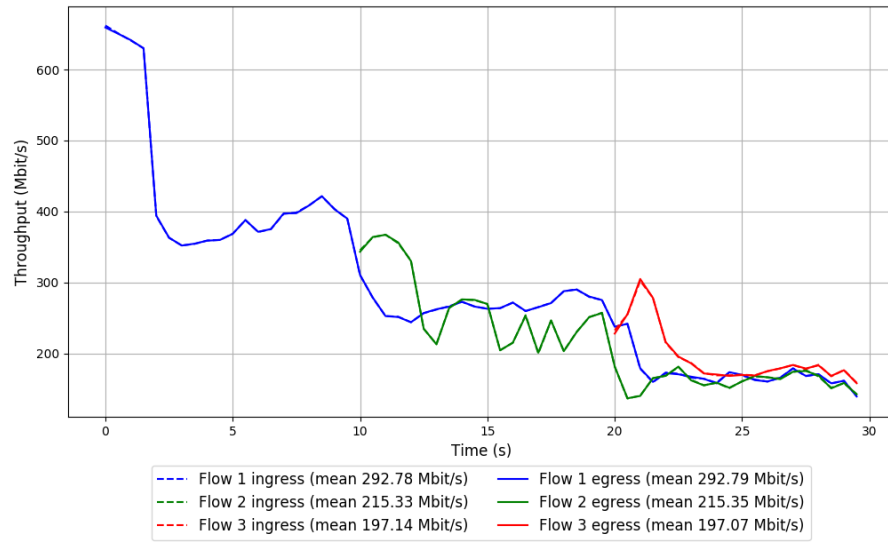
-- Flow 3:

Average throughput: 197.07 Mbit/s

95th percentile per-packet one-way delay: 11.319 ms

Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-09-08 00:43:12

End at: 2017-09-08 00:43:42

Local clock offset: -3.077 ms

Remote clock offset: 0.767 ms

Below is generated by plot.py at 2017-09-08 07:15:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 435.40 Mbit/s

95th percentile per-packet one-way delay: 3.774 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 231.10 Mbit/s

95th percentile per-packet one-way delay: 3.538 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 216.03 Mbit/s

95th percentile per-packet one-way delay: 3.762 ms

Loss rate: 0.01%

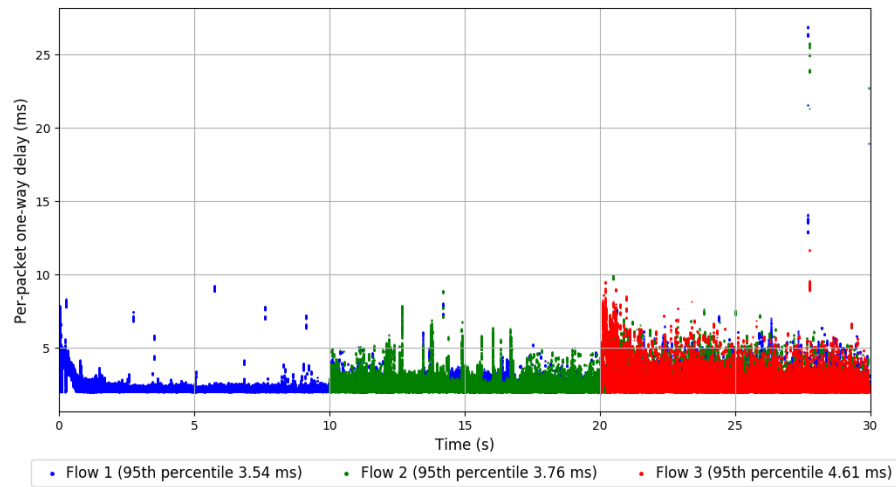
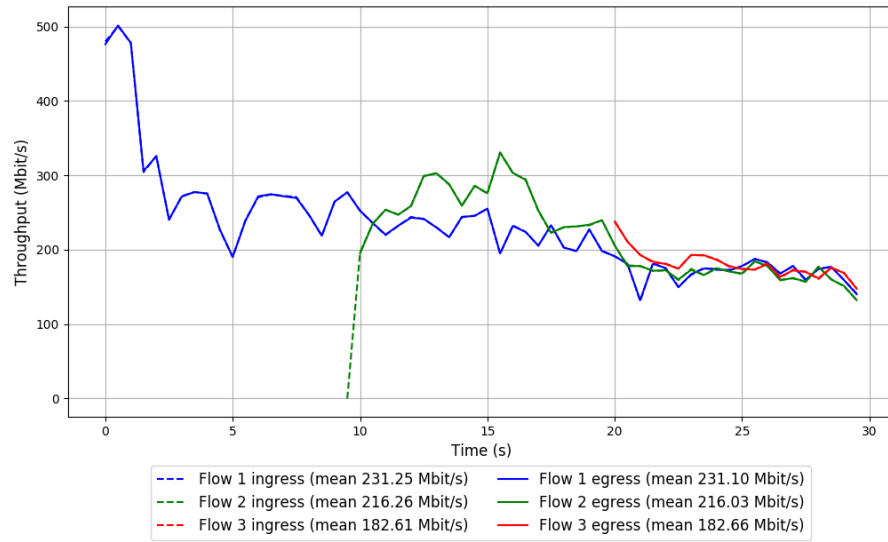
-- Flow 3:

Average throughput: 182.66 Mbit/s

95th percentile per-packet one-way delay: 4.609 ms

Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-09-08 01:03:17

End at: 2017-09-08 01:03:47

Local clock offset: -2.895 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2017-09-08 07:15:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.64 Mbit/s

95th percentile per-packet one-way delay: 7.272 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 276.90 Mbit/s

95th percentile per-packet one-way delay: 3.693 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 255.88 Mbit/s

95th percentile per-packet one-way delay: 9.340 ms

Loss rate: 0.01%

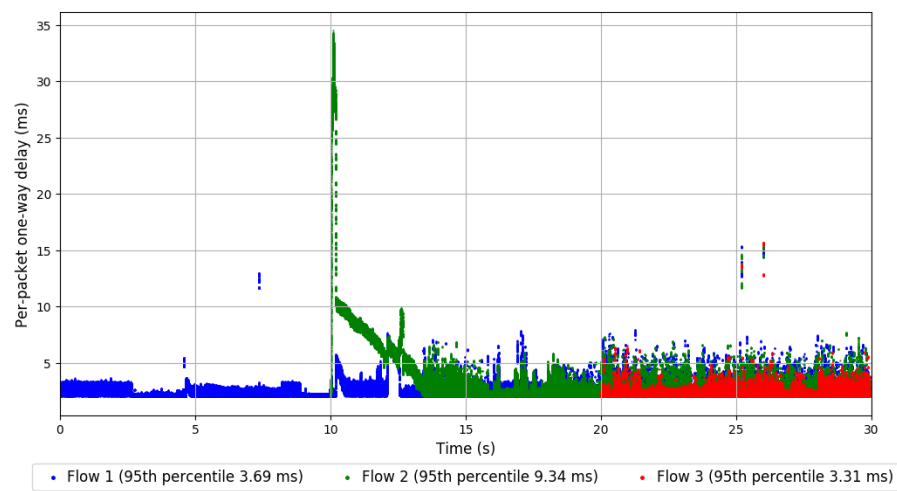
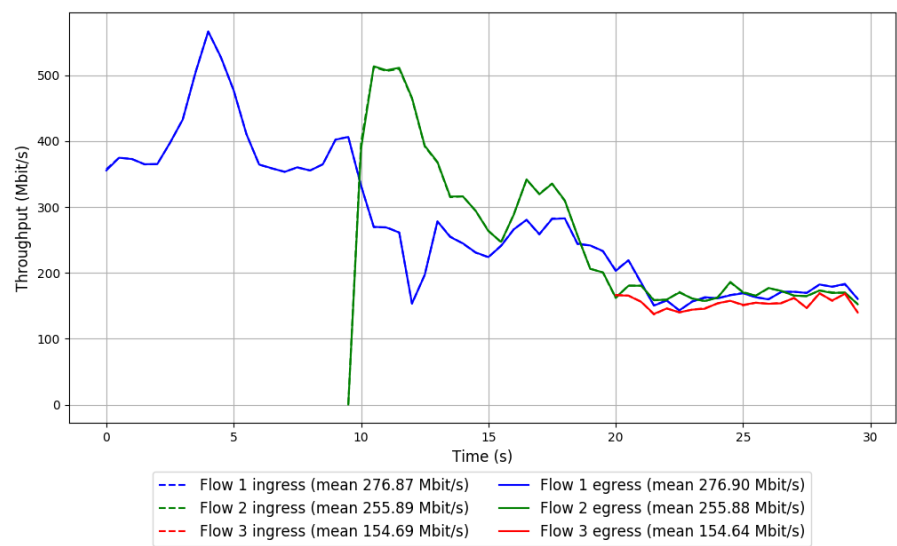
-- Flow 3:

Average throughput: 154.64 Mbit/s

95th percentile per-packet one-way delay: 3.310 ms

Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

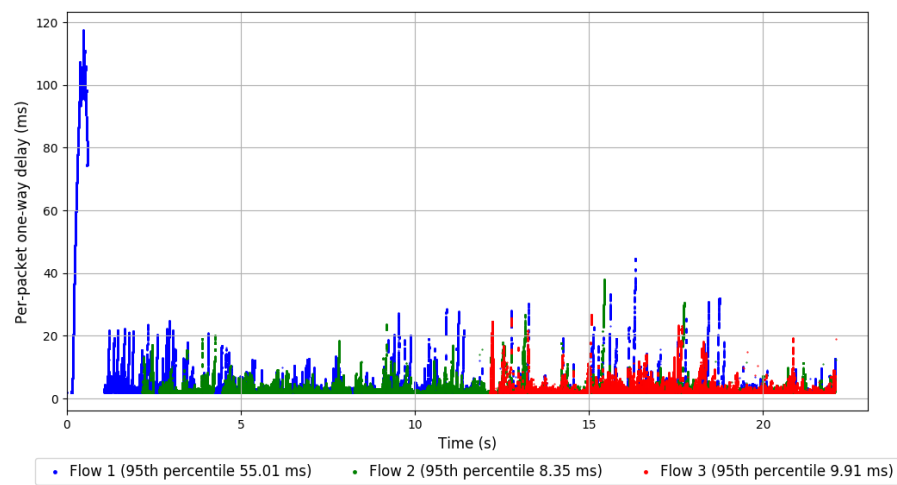
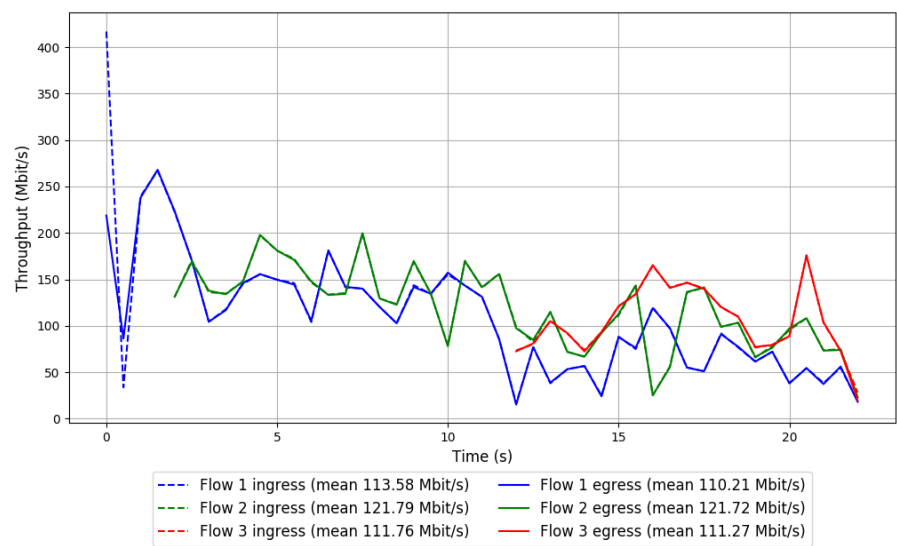
Start at: 2017-09-07 22:03:16

End at: 2017-09-07 22:03:46

Local clock offset: -3.217 ms

Remote clock offset: 0.139 ms

Run 1: Report of Verus — Data Link

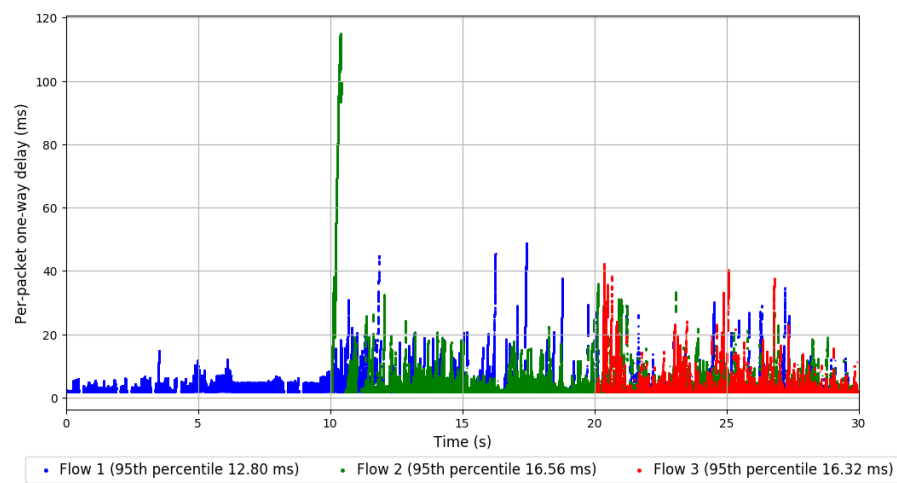
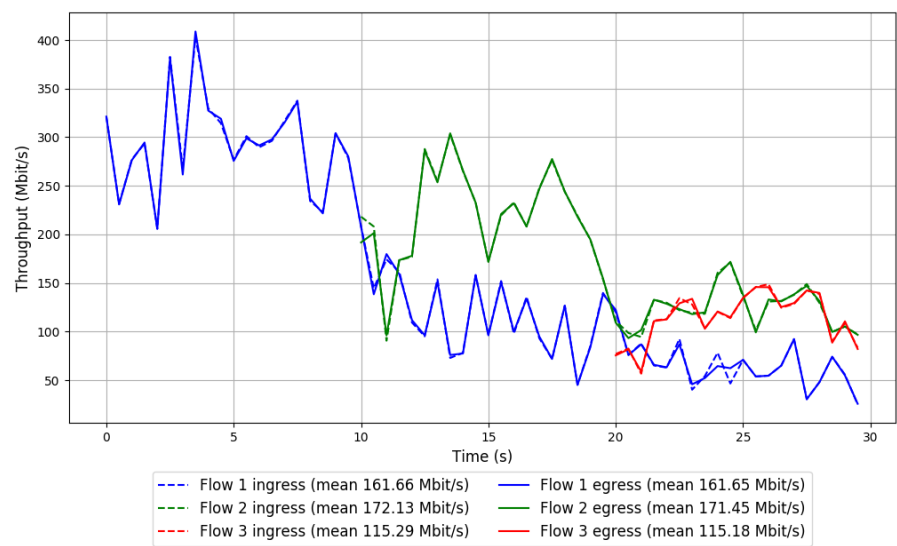


Run 2: Statistics of Verus

Start at: 2017-09-07 22:23:30
End at: 2017-09-07 22:24:00
Local clock offset: -3.277 ms
Remote clock offset: 0.526 ms

Below is generated by plot.py at 2017-09-08 07:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.10 Mbit/s
95th percentile per-packet one-way delay: 14.561 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 161.65 Mbit/s
95th percentile per-packet one-way delay: 12.797 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.45 Mbit/s
95th percentile per-packet one-way delay: 16.564 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 115.18 Mbit/s
95th percentile per-packet one-way delay: 16.321 ms
Loss rate: 0.06%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

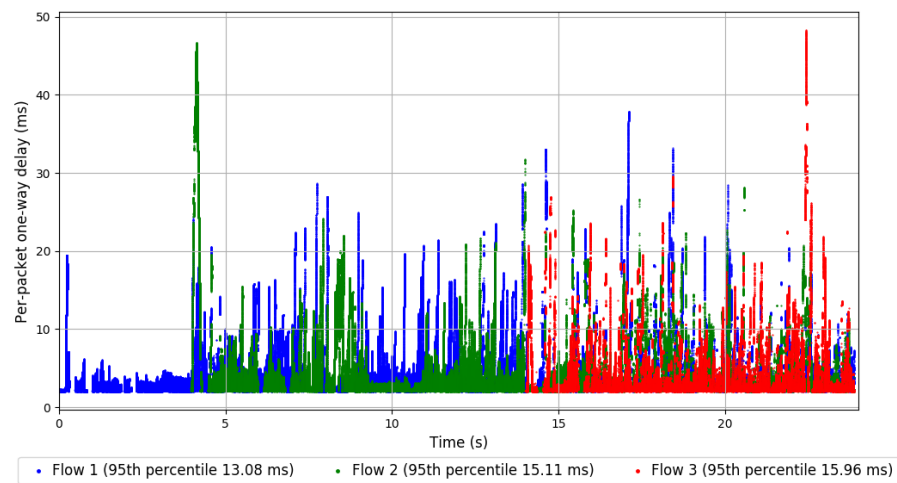
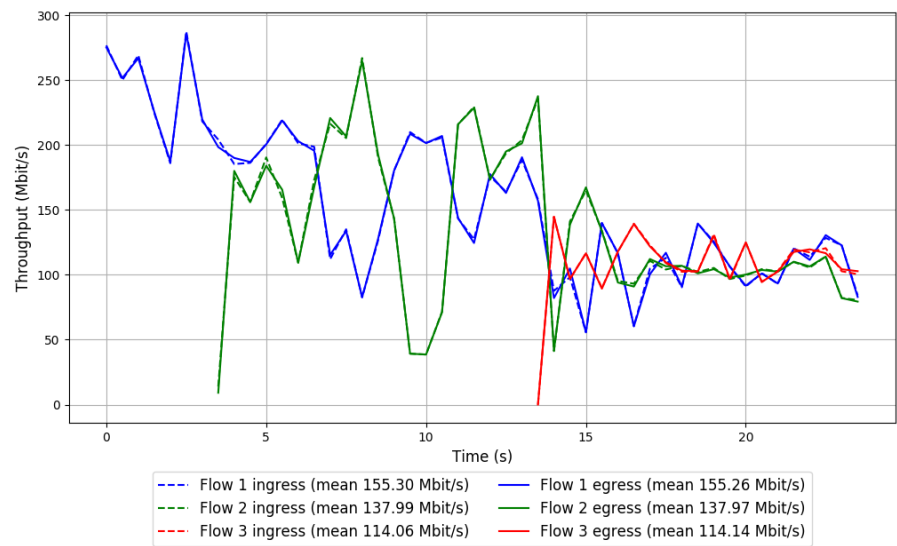
Start at: 2017-09-07 22:43:38

End at: 2017-09-07 22:44:08

Local clock offset: -3.393 ms

Remote clock offset: 0.725 ms

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

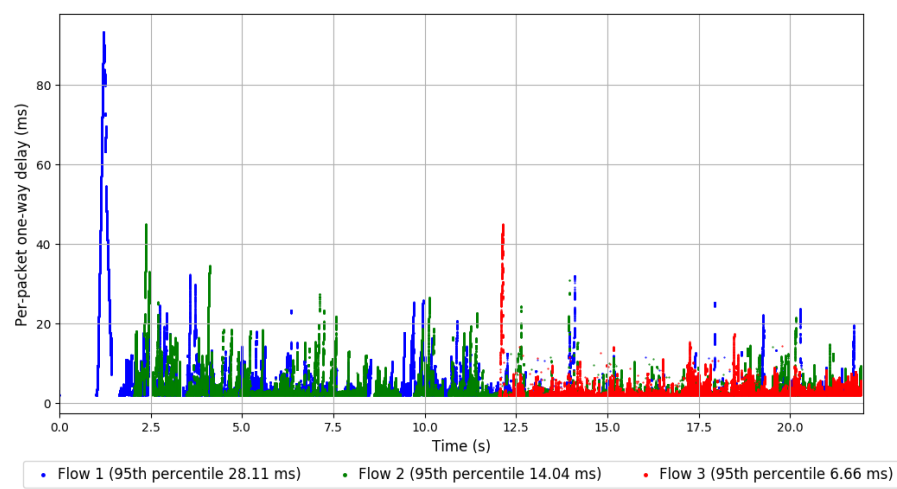
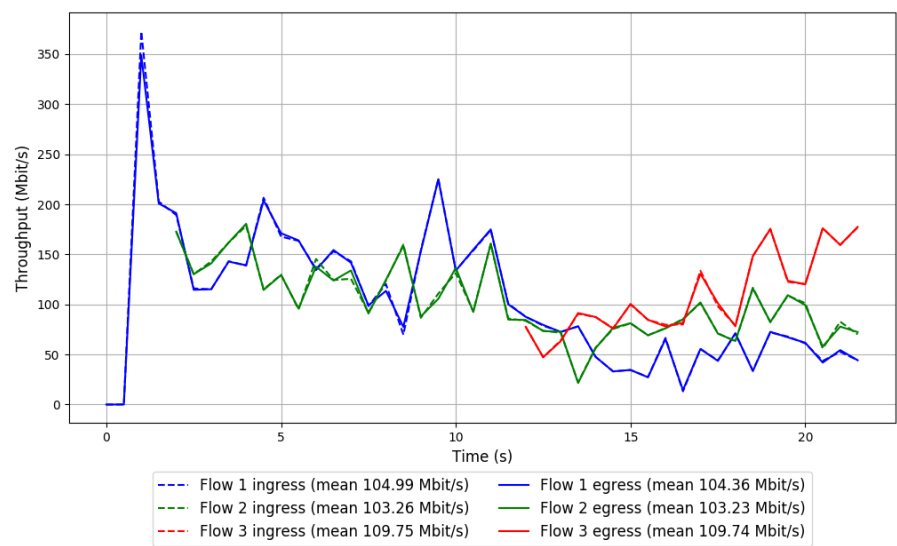
Start at: 2017-09-07 23:04:03

End at: 2017-09-07 23:04:33

Local clock offset: -3.563 ms

Remote clock offset: 0.898 ms

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-09-07 23:24:05

End at: 2017-09-07 23:24:35

Local clock offset: -3.71 ms

Remote clock offset: 1.032 ms

Below is generated by plot.py at 2017-09-08 07:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.82 Mbit/s

95th percentile per-packet one-way delay: 15.219 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 159.71 Mbit/s

95th percentile per-packet one-way delay: 15.738 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 111.54 Mbit/s

95th percentile per-packet one-way delay: 15.724 ms

Loss rate: 0.03%

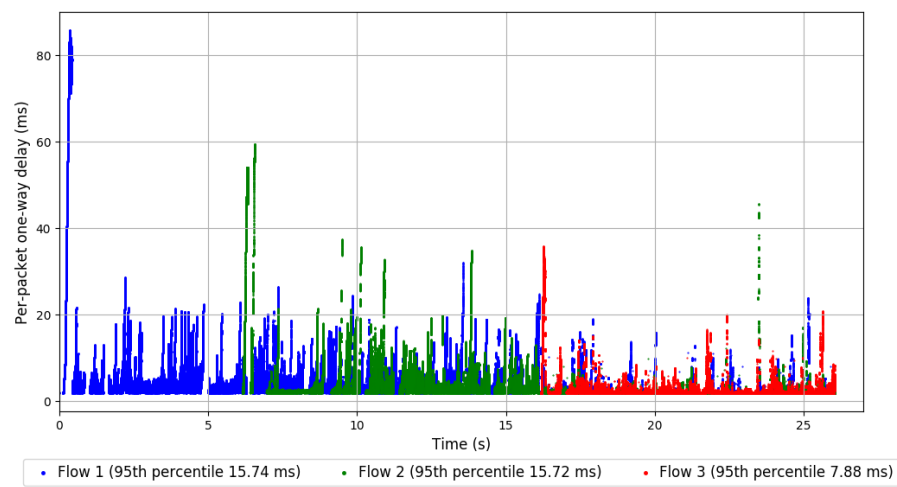
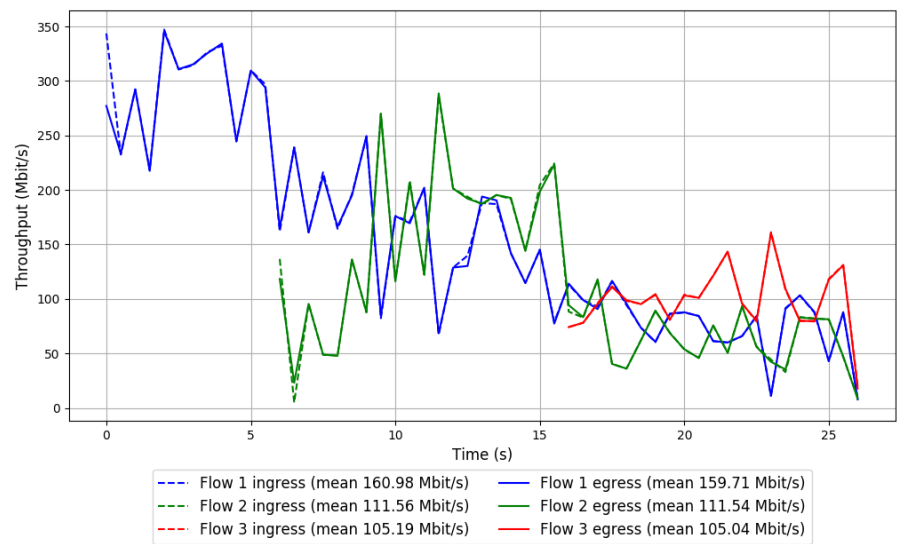
-- Flow 3:

Average throughput: 105.04 Mbit/s

95th percentile per-packet one-way delay: 7.880 ms

Loss rate: 0.17%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

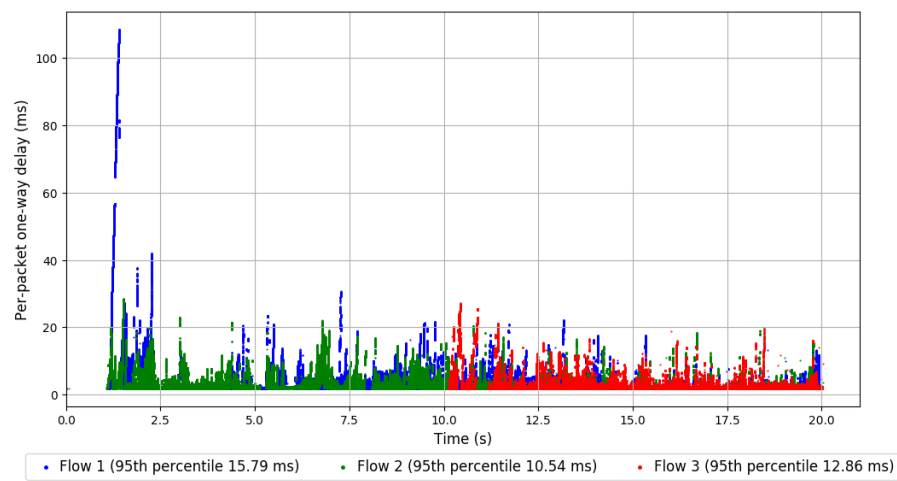
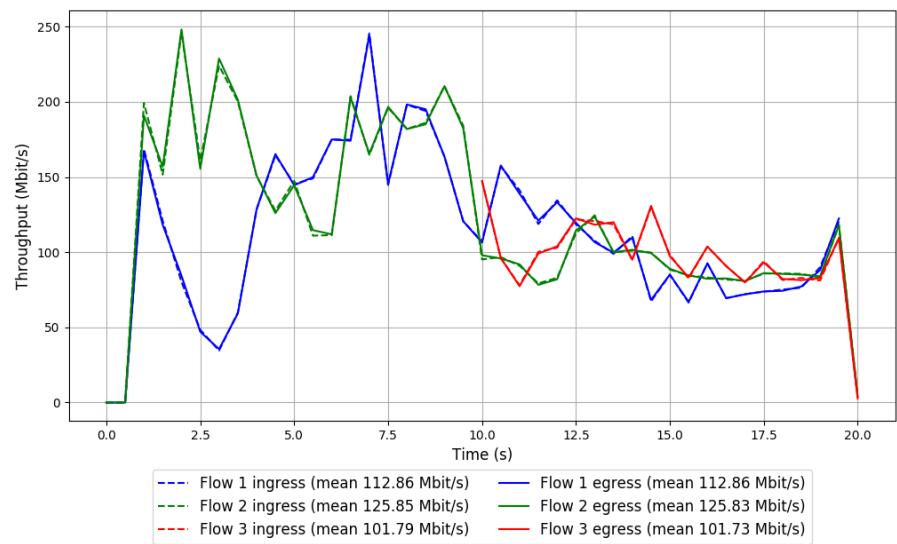
Start at: 2017-09-07 23:43:59

End at: 2017-09-07 23:44:29

Local clock offset: -3.433 ms

Remote clock offset: 1.109 ms

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-08 00:04:16

End at: 2017-09-08 00:04:46

Local clock offset: -3.221 ms

Remote clock offset: 0.973 ms

Below is generated by plot.py at 2017-09-08 07:17:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.97 Mbit/s

95th percentile per-packet one-way delay: 12.480 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 140.89 Mbit/s

95th percentile per-packet one-way delay: 14.611 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 159.57 Mbit/s

95th percentile per-packet one-way delay: 11.250 ms

Loss rate: 0.02%

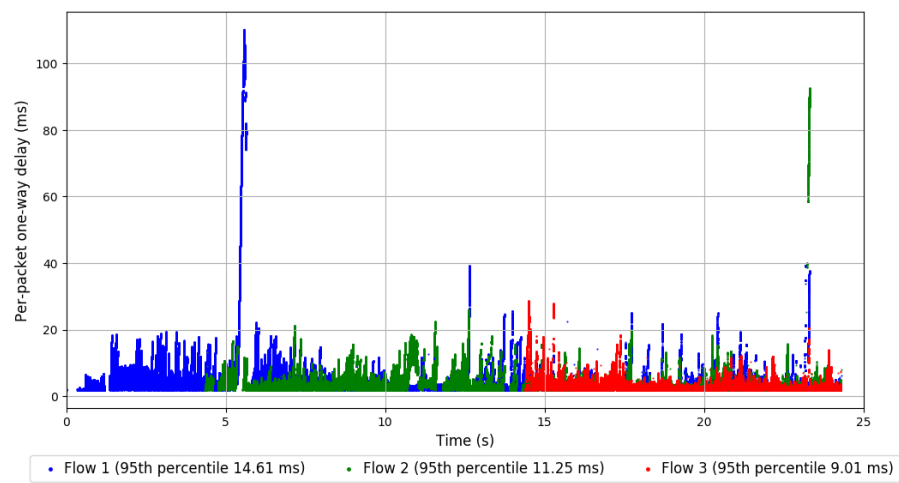
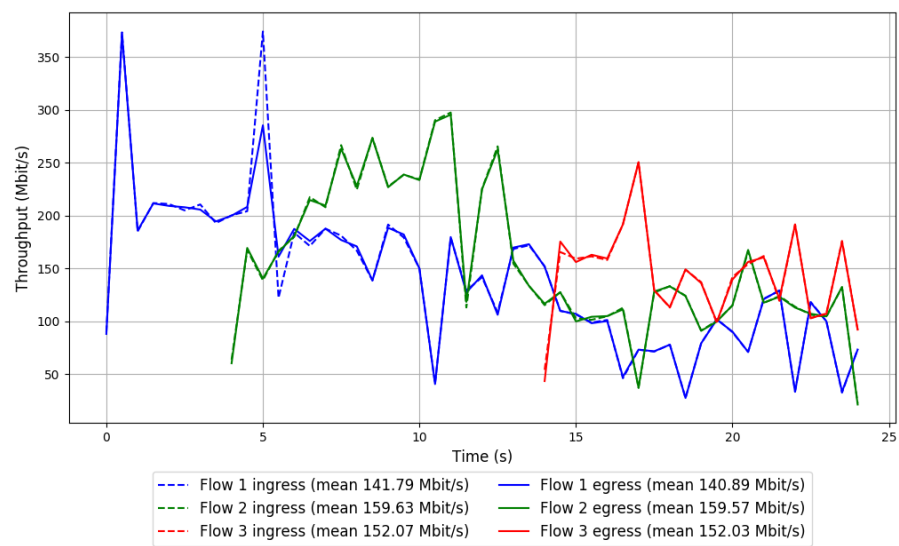
-- Flow 3:

Average throughput: 152.03 Mbit/s

95th percentile per-packet one-way delay: 9.010 ms

Loss rate: 0.03%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

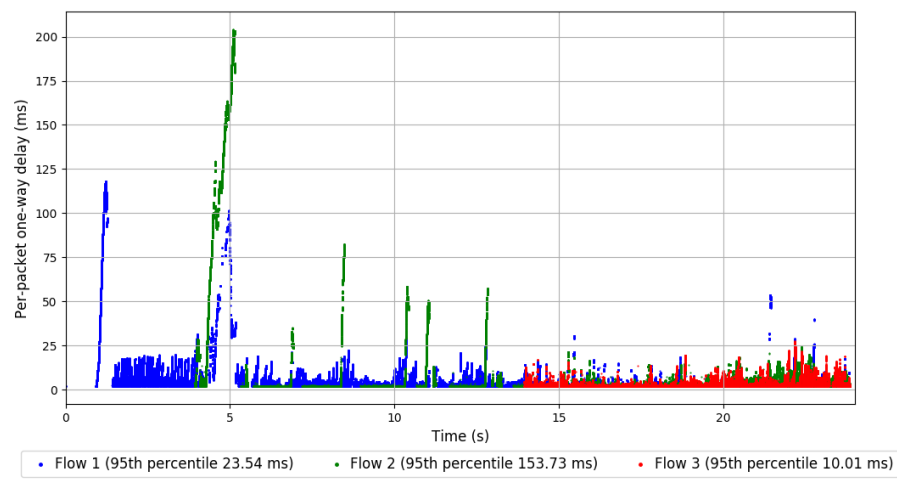
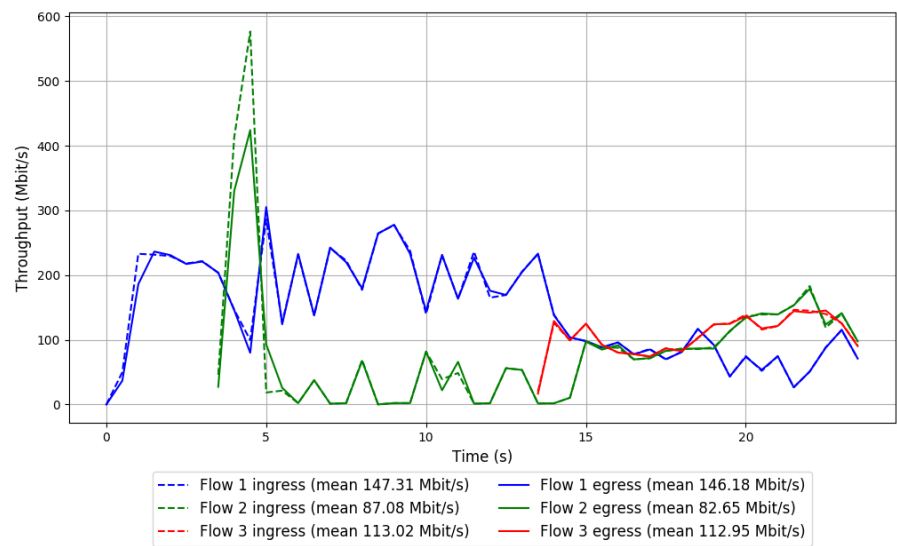
Start at: 2017-09-08 00:24:42

End at: 2017-09-08 00:25:12

Local clock offset: -3.118 ms

Remote clock offset: 0.907 ms

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-08 00:44:37

End at: 2017-09-08 00:45:07

Local clock offset: -3.136 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2017-09-08 07:18:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.32 Mbit/s

95th percentile per-packet one-way delay: 11.692 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 131.69 Mbit/s

95th percentile per-packet one-way delay: 13.457 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 162.00 Mbit/s

95th percentile per-packet one-way delay: 10.322 ms

Loss rate: 0.00%

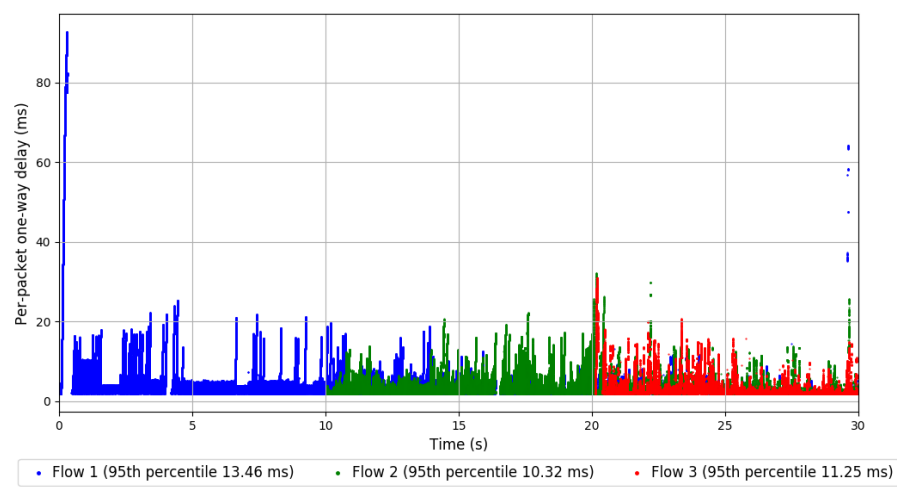
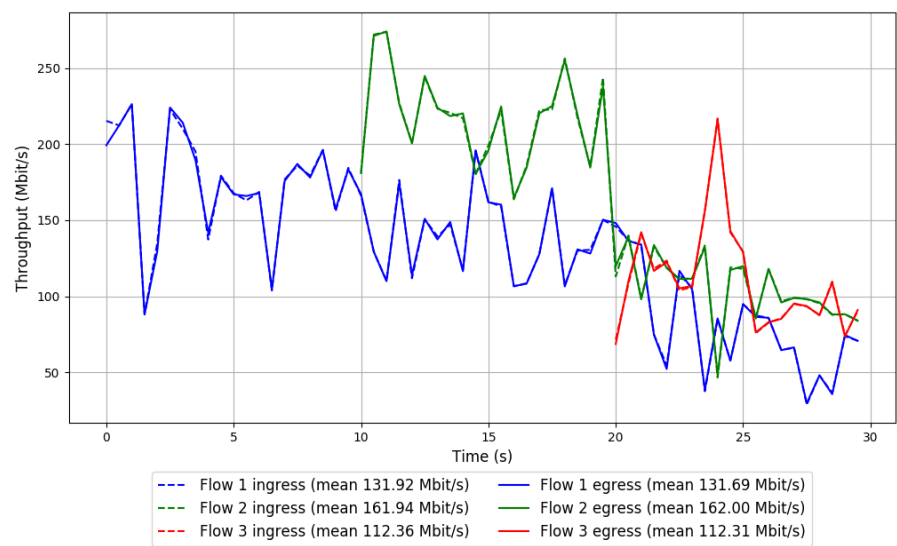
-- Flow 3:

Average throughput: 112.31 Mbit/s

95th percentile per-packet one-way delay: 11.249 ms

Loss rate: 0.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-08 01:04:46

End at: 2017-09-08 01:05:16

Local clock offset: -2.955 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2017-09-08 07:18:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 300.98 Mbit/s

95th percentile per-packet one-way delay: 13.333 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 129.26 Mbit/s

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

Loss rate: 0.31%

-- Flow 2:

Average throughput: 149.62 Mbit/s

95th percentile per-packet one-way delay: 13.308 ms

Loss rate: 0.11%

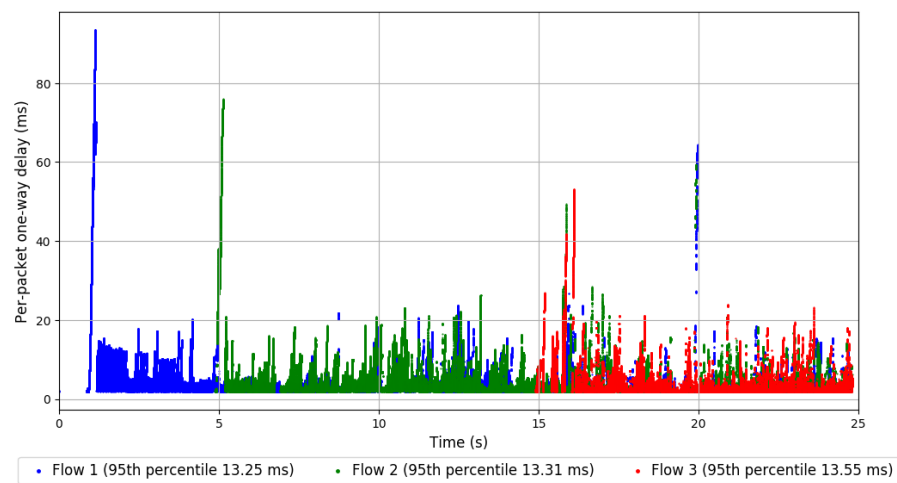
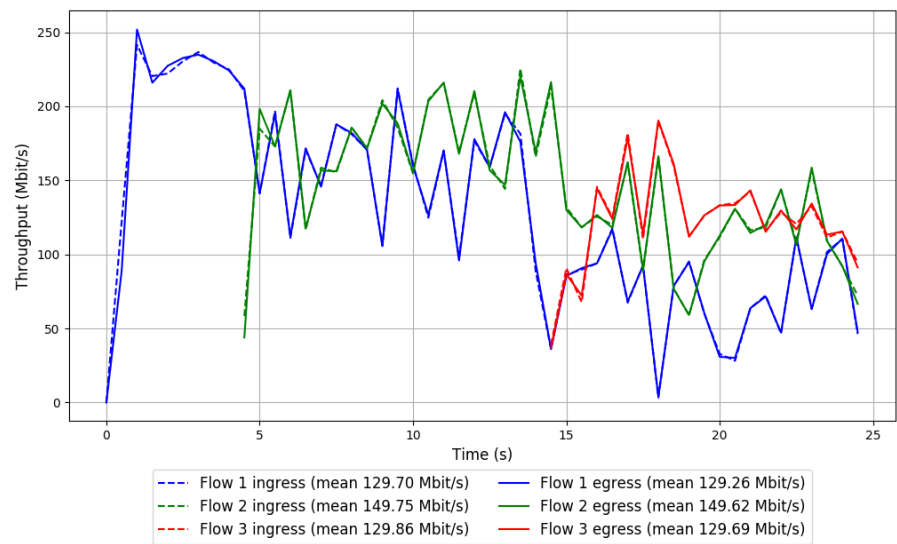
-- Flow 3:

Average throughput: 129.69 Mbit/s

95th percentile per-packet one-way delay: 13.554 ms

Loss rate: 0.20%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-07 22:00:44

End at: 2017-09-07 22:01:14

Local clock offset: -3.236 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2017-09-08 07:18:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 3.006 ms

Loss rate: 0.00%

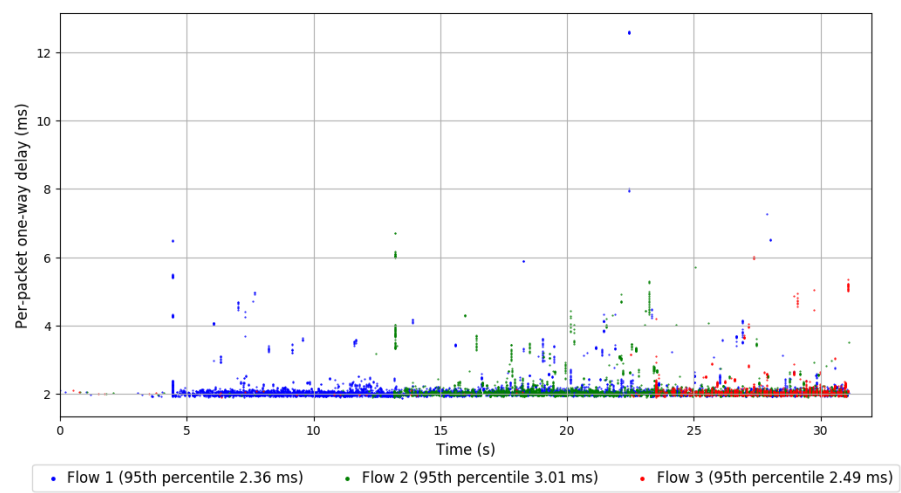
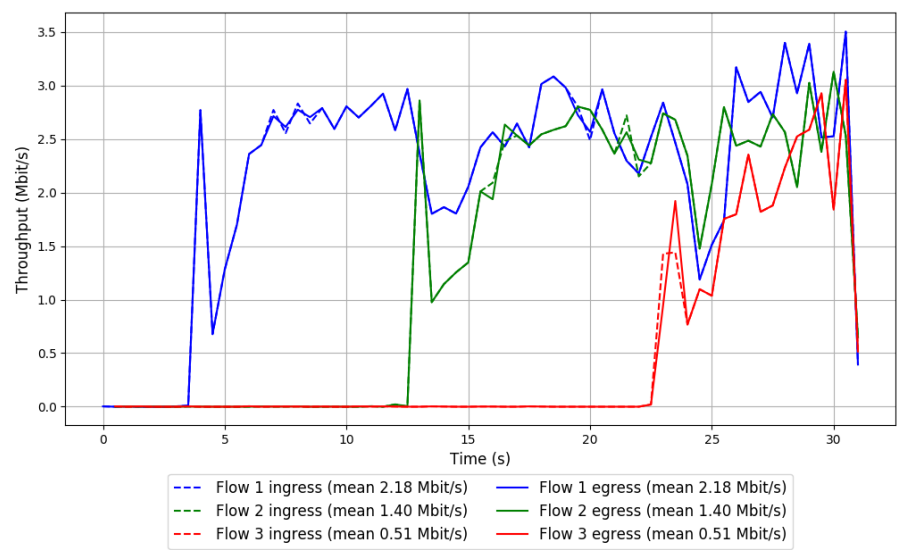
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 2.486 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-09-07 22:20:58

End at: 2017-09-07 22:21:28

Local clock offset: -3.285 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2017-09-08 07:18:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 2.489 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 2.429 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 2.558 ms

Loss rate: 0.00%

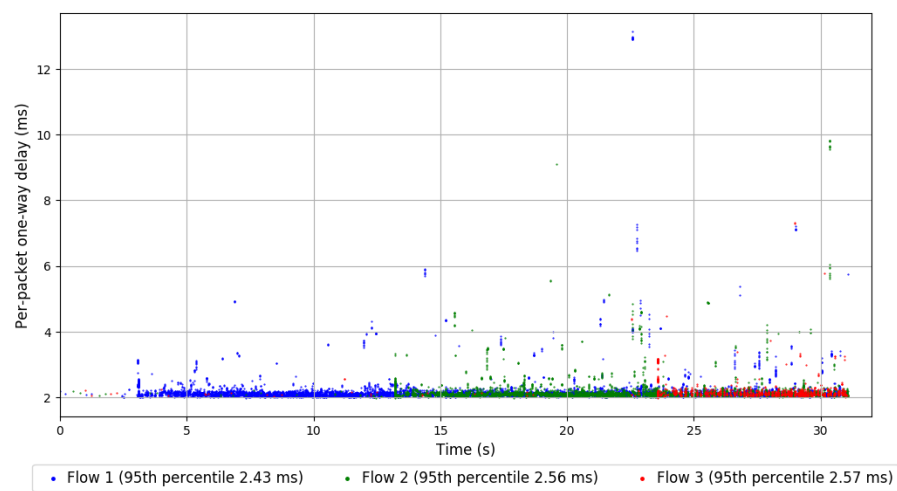
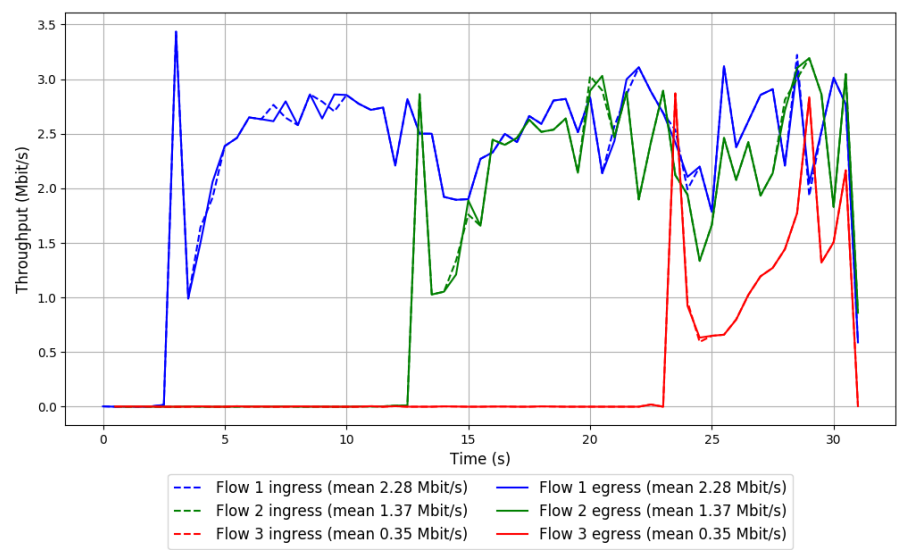
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 2.566 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-09-07 22:41:04

End at: 2017-09-07 22:41:34

Local clock offset: -3.375 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2017-09-08 07:18:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 2.407 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 2.627 ms

Loss rate: 0.00%

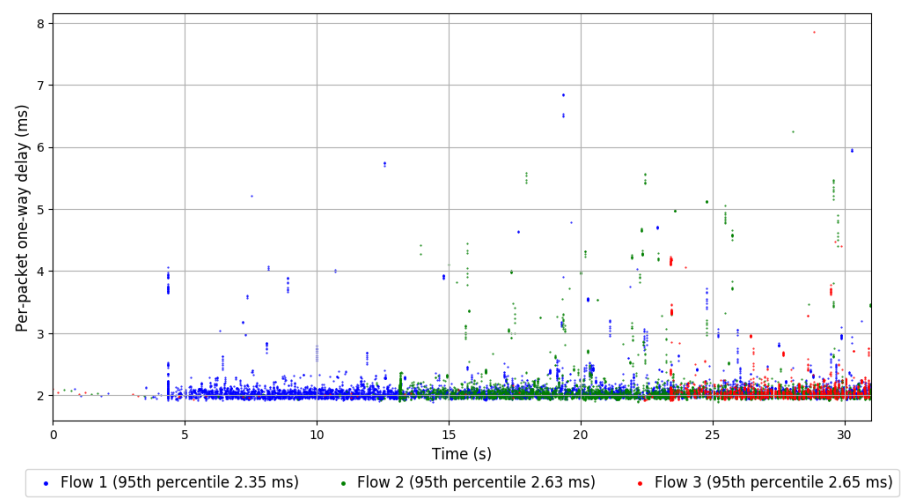
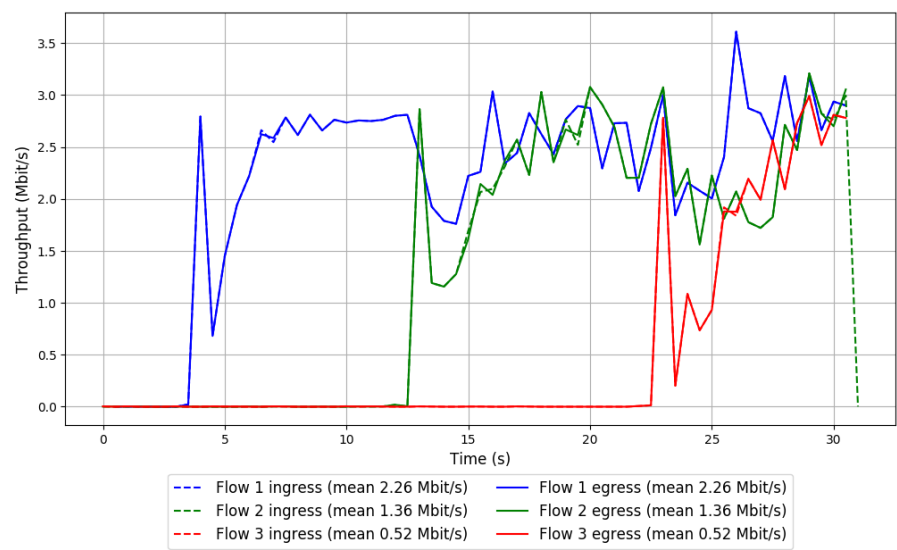
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 2.645 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-09-07 23:01:32

End at: 2017-09-07 23:02:02

Local clock offset: -3.475 ms

Remote clock offset: 0.942 ms

Below is generated by plot.py at 2017-09-08 07:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 2.637 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 2.616 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 2.789 ms

Loss rate: 0.00%

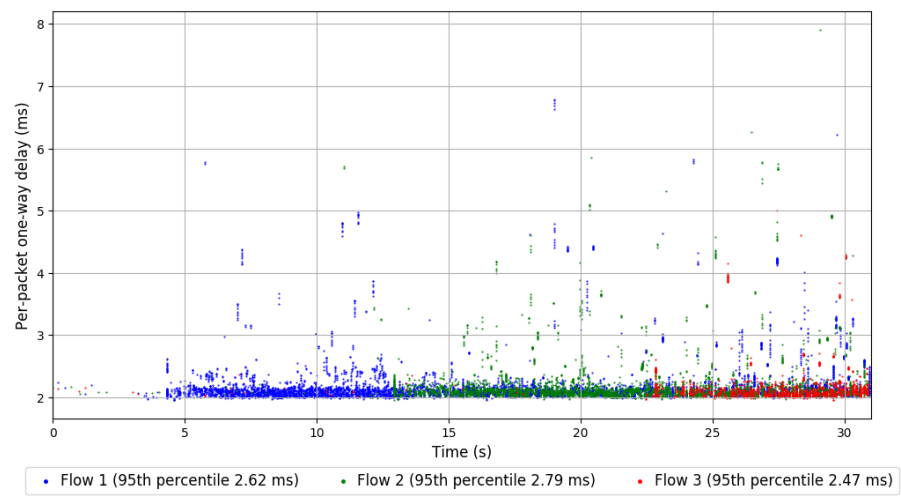
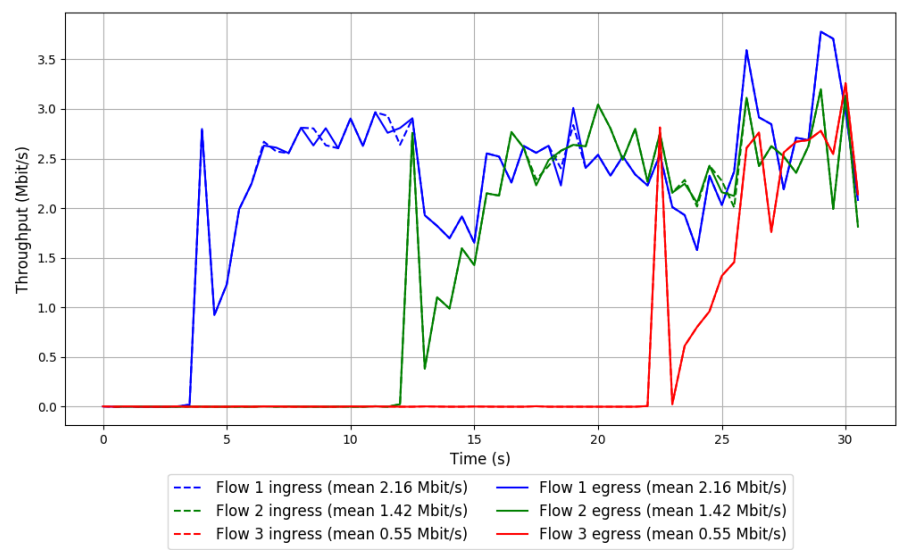
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 2.472 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-07 23:21:30

End at: 2017-09-07 23:22:00

Local clock offset: -3.693 ms

Remote clock offset: 1.07 ms

Below is generated by plot.py at 2017-09-08 07:18:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 2.507 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 2.571 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 2.525 ms

Loss rate: 0.00%

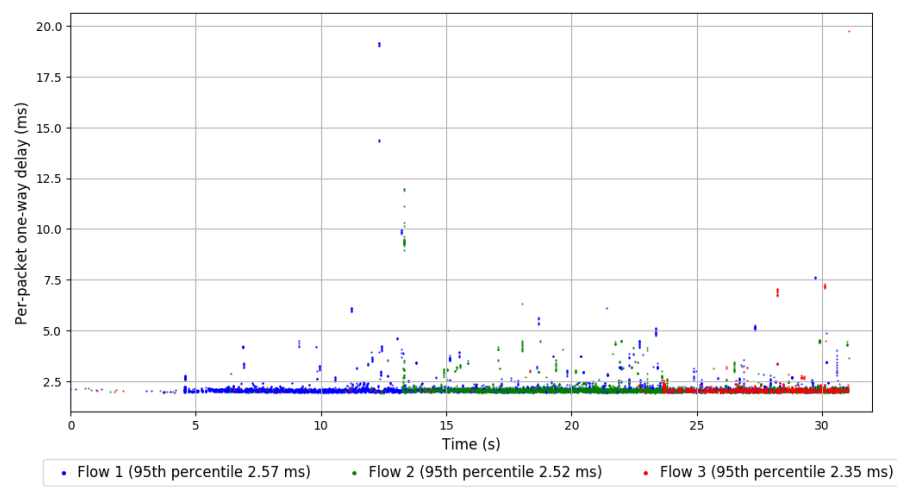
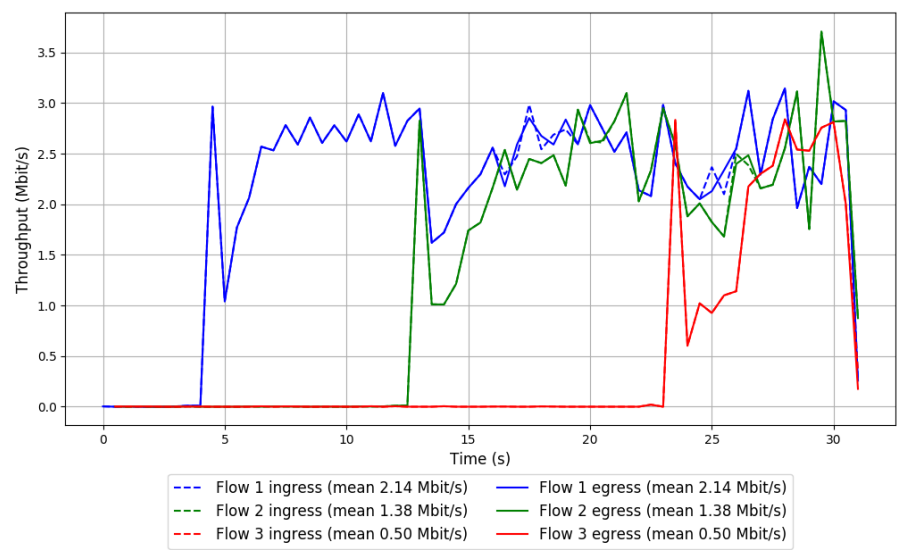
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 2.346 ms

Loss rate: 0.58%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-07 23:41:30

End at: 2017-09-07 23:42:00

Local clock offset: -3.48 ms

Remote clock offset: 1.089 ms

Below is generated by plot.py at 2017-09-08 07:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 2.295 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 2.306 ms

Loss rate: 0.00%

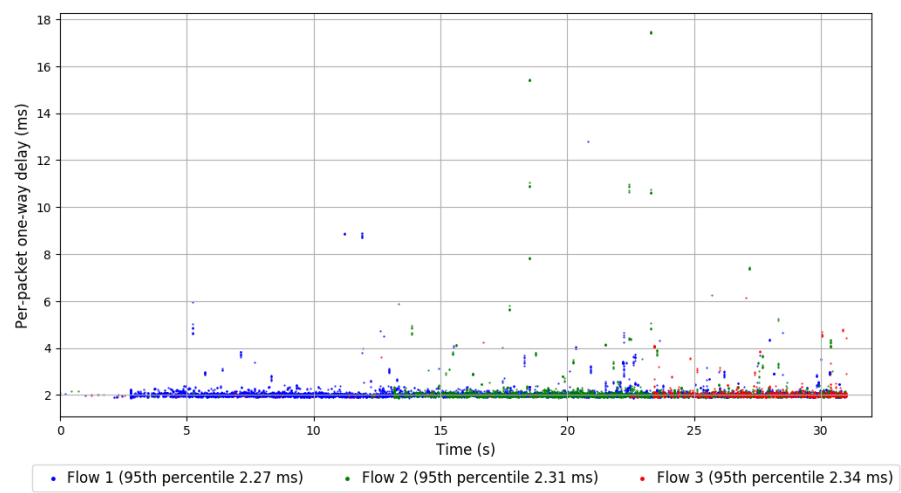
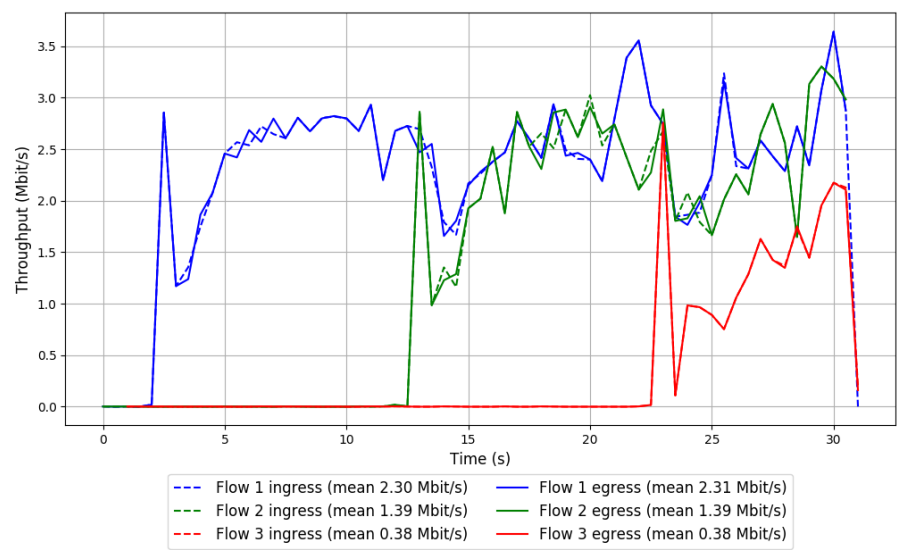
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 2.338 ms

Loss rate: 0.26%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-08 00:01:44

End at: 2017-09-08 00:02:14

Local clock offset: -3.235 ms

Remote clock offset: 0.993 ms

Below is generated by plot.py at 2017-09-08 07:18:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 2.619 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 2.543 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 2.785 ms

Loss rate: 0.00%

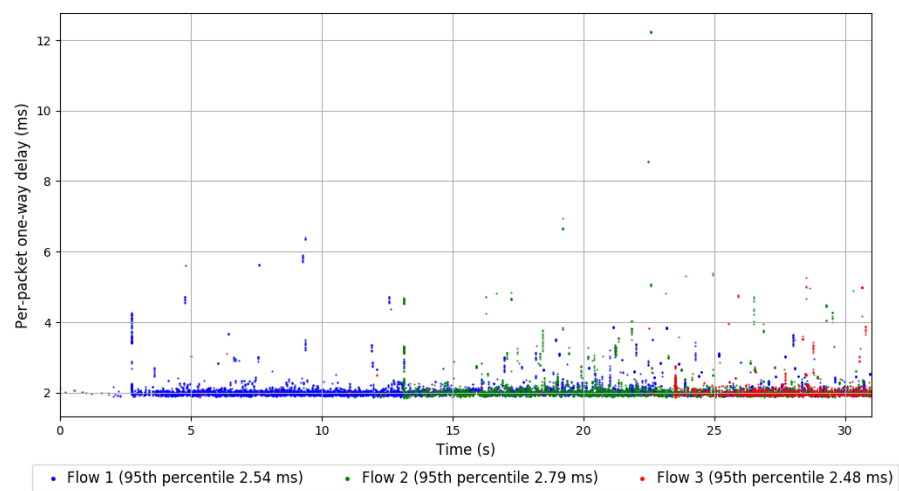
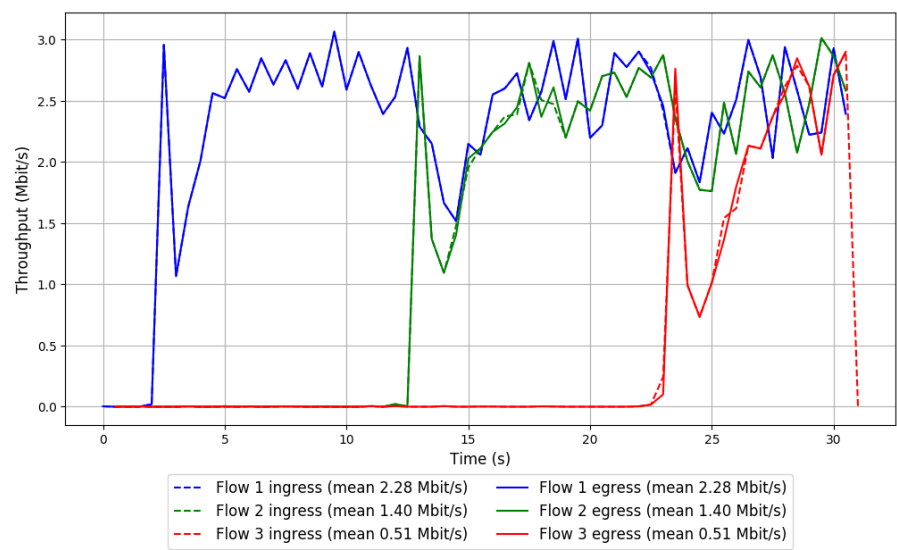
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 2.481 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-08 00:22:09

End at: 2017-09-08 00:22:39

Local clock offset: -3.048 ms

Remote clock offset: 0.925 ms

Below is generated by plot.py at 2017-09-08 07:18:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 2.446 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 2.424 ms

Loss rate: 0.00%

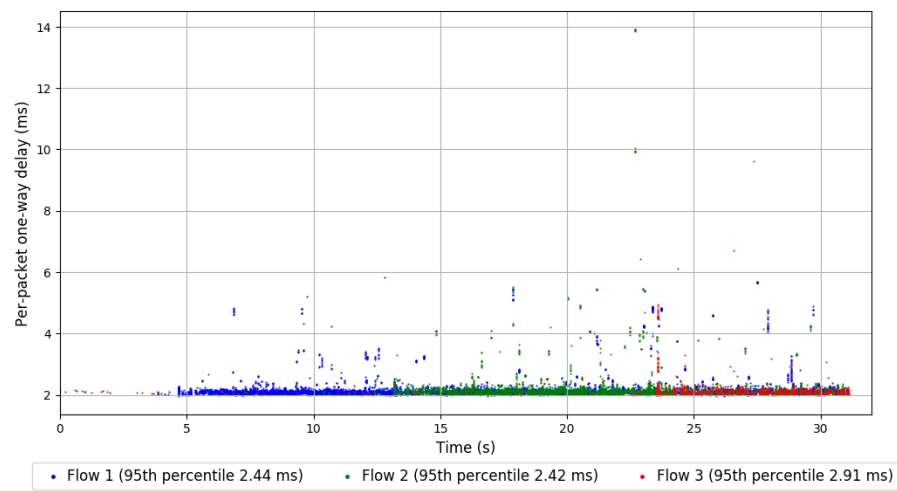
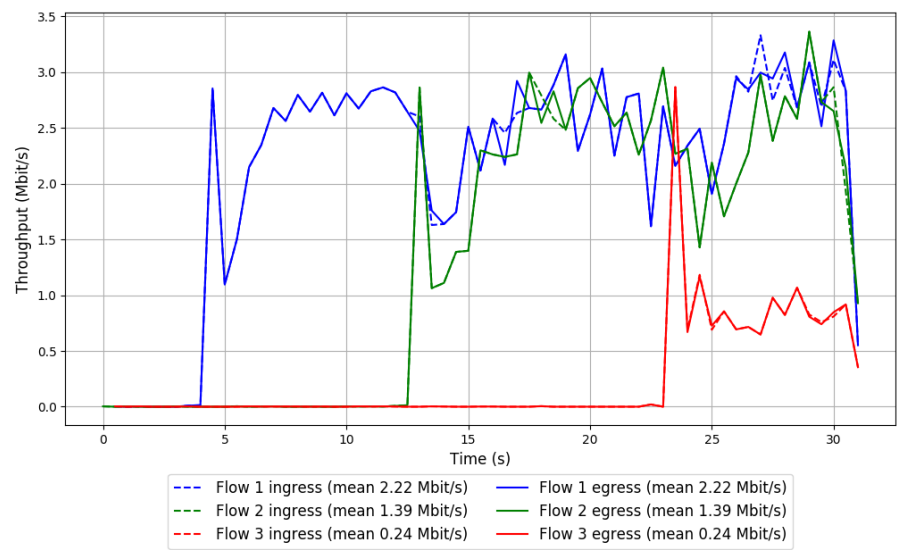
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 2.906 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-08 00:42:08

End at: 2017-09-08 00:42:38

Local clock offset: -3.066 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2017-09-08 07:18:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 2.482 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.440 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 2.638 ms

Loss rate: 0.00%

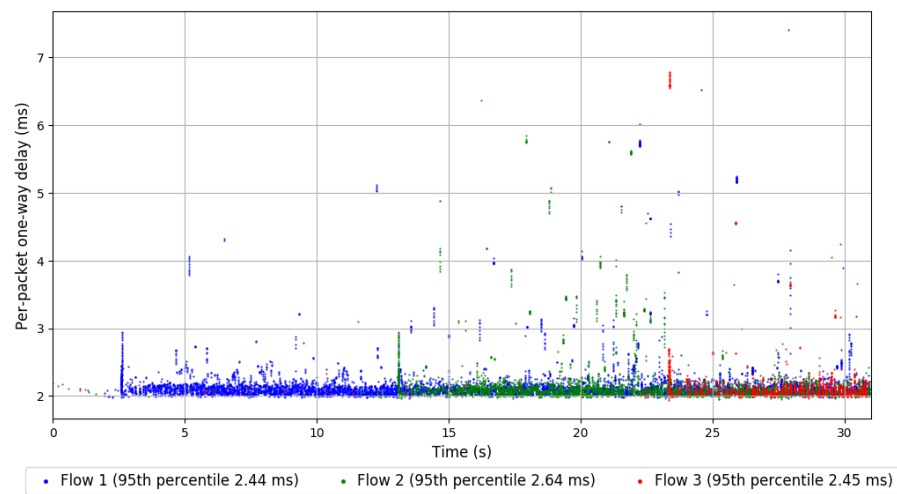
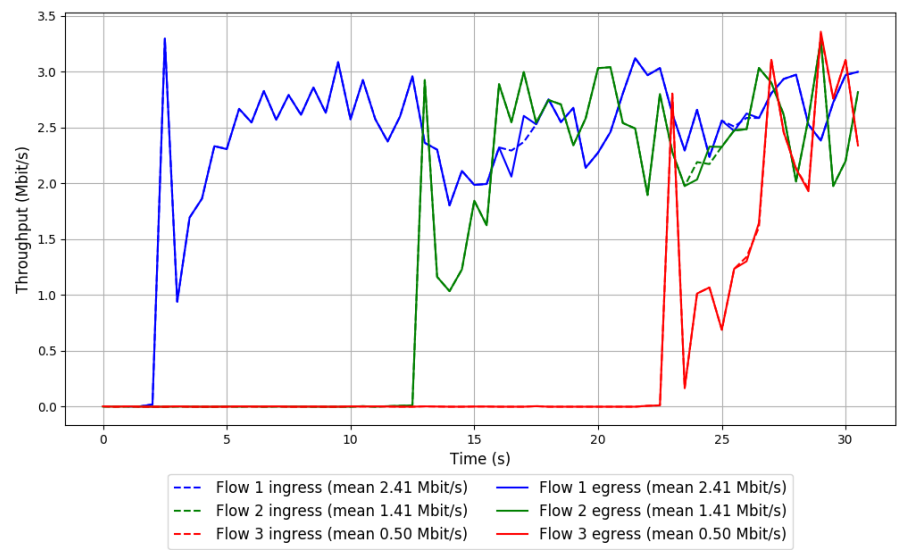
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 2.454 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-08 01:02:13

End at: 2017-09-08 01:02:43

Local clock offset: -2.951 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2017-09-08 07:18:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 2.346 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 2.494 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 2.890 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

