

Pantheon Report

Generated at 2018-03-27 23:12:41 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

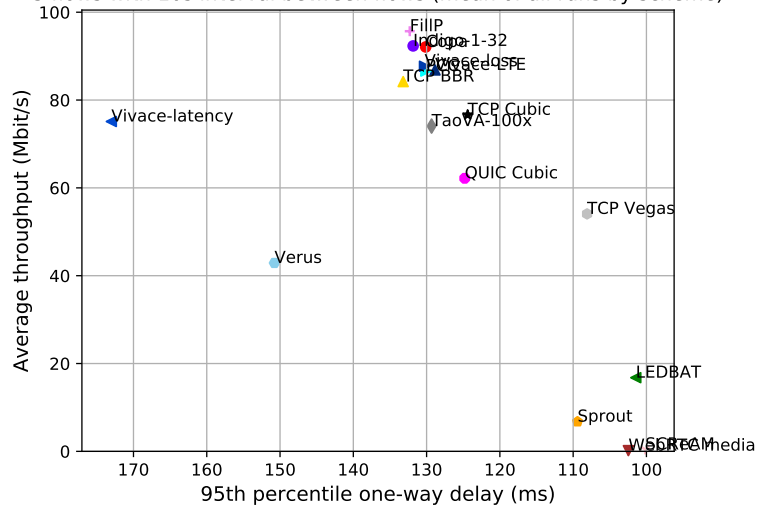
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

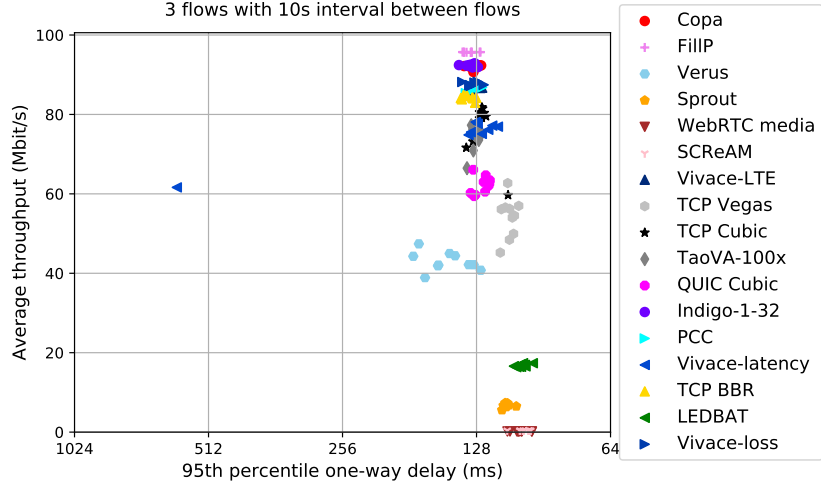
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia 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	53.20	34.37	24.45	130.02	132.33	129.76	7.15	9.53	12.40
TCP Cubic	10	43.44	38.33	23.12	122.94	125.43	125.38	0.49	0.93	1.09
LEDBAT	10	10.91	7.15	3.40	99.73	100.19	101.84	0.00	0.00	0.00
PCC	10	78.09	9.08	7.47	129.90	131.05	130.25	2.81	3.90	4.59
QUIC Cubic	10	42.37	21.93	16.18	125.76	121.86	121.97	0.63	0.48	0.50
SCReAM	10	0.22	0.22	0.22	96.29	97.35	98.20	0.00	0.02	0.00
WebRTC media	10	0.06	0.06	0.05	98.69	100.48	102.42	0.00	0.00	0.01
Sprout	10	3.64	3.34	2.75	108.76	109.71	108.93	0.00	0.00	0.00
TaoVA-100x	10	44.19	32.56	25.53	128.55	128.64	127.24	4.53	8.39	9.07
TCP Vegas	10	24.79	28.66	30.75	106.84	108.81	107.87	0.67	0.71	1.08
Verus	10	20.80	26.81	14.92	138.88	147.02	139.23	36.45	52.64	36.03
Copa	10	89.21	4.32	0.00	130.12	128.34	127.22	89.12	85.64	58.34
FillP	10	57.00	38.64	39.14	131.04	126.34	142.80	24.97	36.72	47.61
Indigo-1-32	10	65.30	22.35	38.39	129.28	129.56	130.07	16.82	41.18	67.05
Vivace-latency	10	61.28	16.59	8.52	267.78	127.34	124.42	0.72	0.74	0.72
Vivace-loss	9	81.52	7.52	3.59	130.27	129.29	130.06	3.00	2.94	4.08
Vivace-LTE	10	75.02	12.82	10.04	128.47	129.67	128.26	3.02	1.98	2.63

Run 1: Statistics of TCP BBR

Start at: 2018-03-27 18:32:08

End at: 2018-03-27 18:32:38

Local clock offset: -5.474 ms

Remote clock offset: 1.934 ms

Below is generated by plot.py at 2018-03-27 22:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.06 Mbit/s

95th percentile per-packet one-way delay: 130.267 ms

Loss rate: 7.59%

-- Flow 1:

Average throughput: 53.57 Mbit/s

95th percentile per-packet one-way delay: 125.377 ms

Loss rate: 6.13%

-- Flow 2:

Average throughput: 33.71 Mbit/s

95th percentile per-packet one-way delay: 130.510 ms

Loss rate: 8.99%

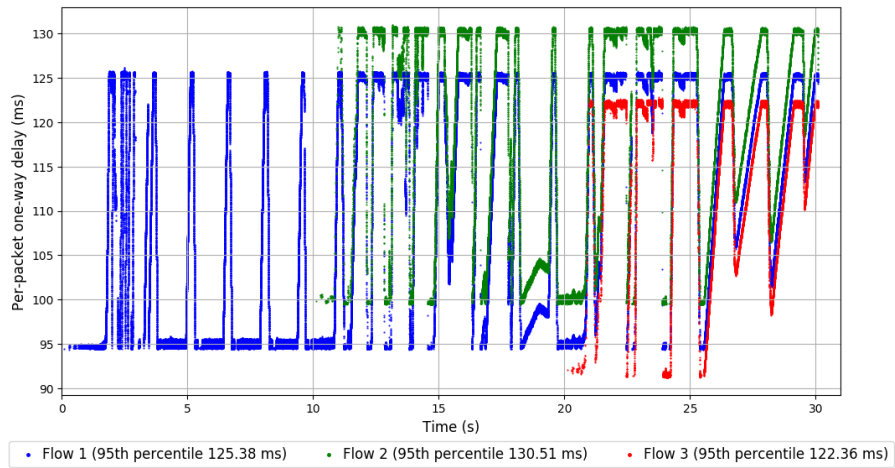
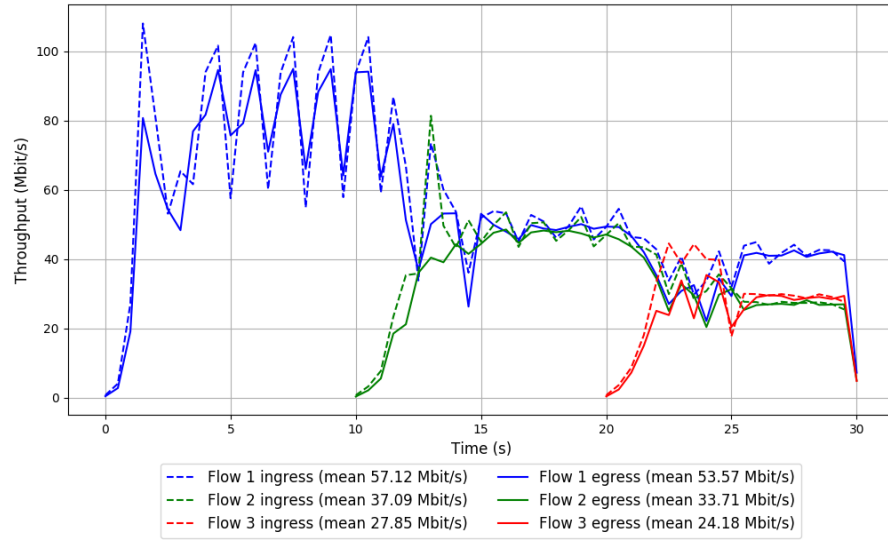
-- Flow 3:

Average throughput: 24.18 Mbit/s

95th percentile per-packet one-way delay: 122.362 ms

Loss rate: 12.91%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-27 18:56:20

End at: 2018-03-27 18:56:50

Local clock offset: -7.401 ms

Remote clock offset: 9.09 ms

Below is generated by plot.py at 2018-03-27 22:44:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 138.097 ms

Loss rate: 9.21%

-- Flow 1:

Average throughput: 53.20 Mbit/s

95th percentile per-packet one-way delay: 132.952 ms

Loss rate: 7.46%

-- Flow 2:

Average throughput: 35.93 Mbit/s

95th percentile per-packet one-way delay: 138.279 ms

Loss rate: 12.53%

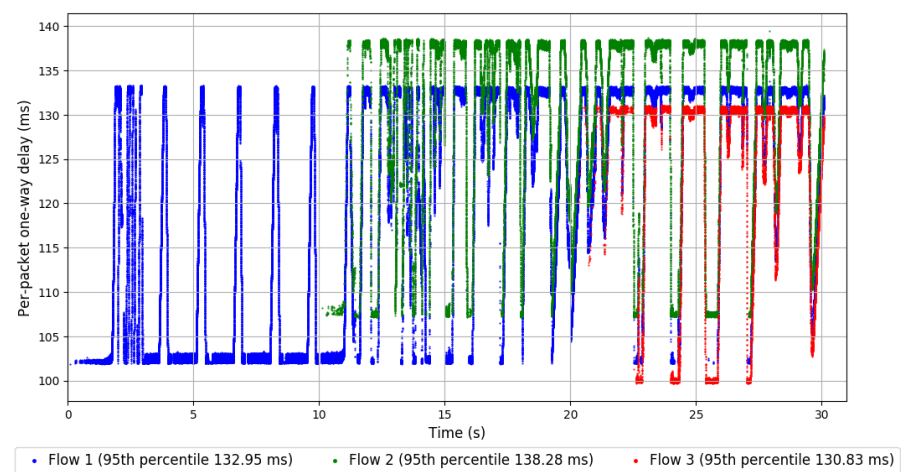
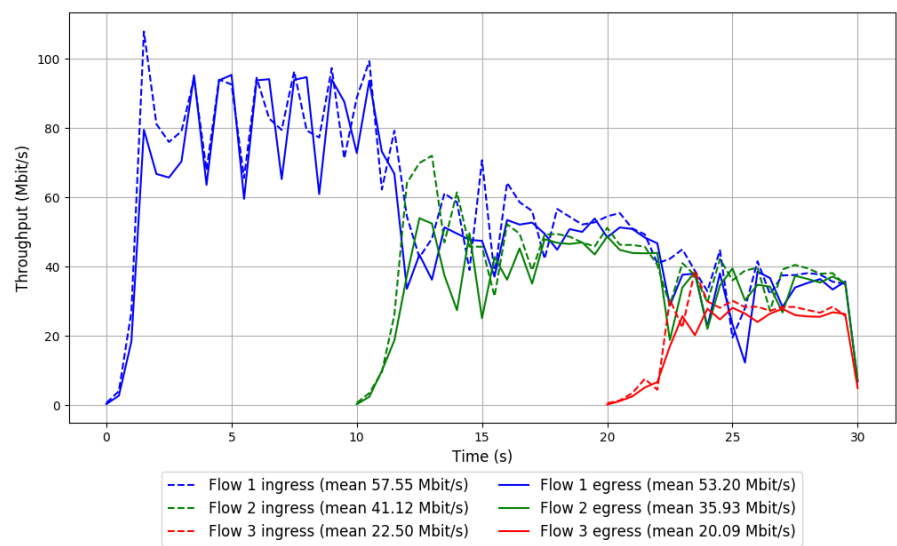
-- Flow 3:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 130.830 ms

Loss rate: 10.55%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-27 19:20:27

End at: 2018-03-27 19:20:57

Local clock offset: -5.977 ms

Remote clock offset: 2.57 ms

Below is generated by plot.py at 2018-03-27 22:44:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 128.247 ms

Loss rate: 8.90%

-- Flow 1:

Average throughput: 52.36 Mbit/s

95th percentile per-packet one-way delay: 128.311 ms

Loss rate: 7.54%

-- Flow 2:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 124.464 ms

Loss rate: 9.27%

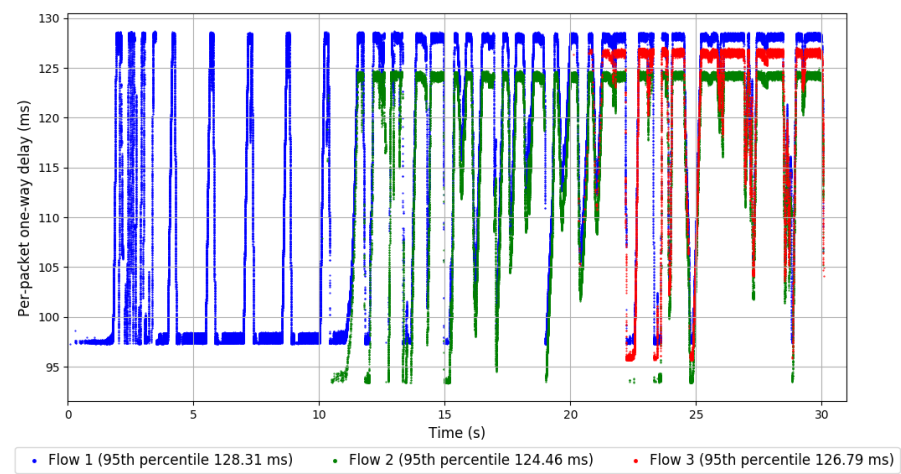
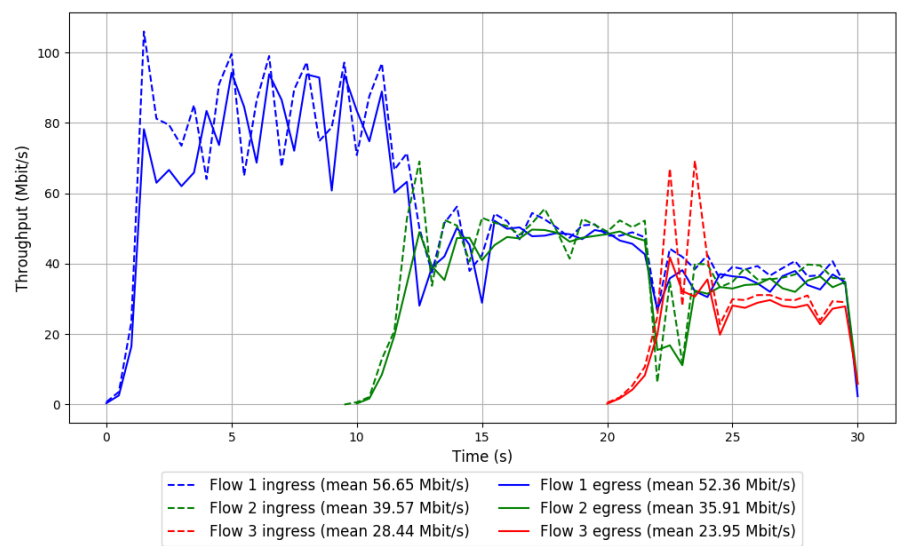
-- Flow 3:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 126.789 ms

Loss rate: 15.97%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-27 19:44:51

End at: 2018-03-27 19:45:21

Local clock offset: -2.676 ms

Remote clock offset: 8.341 ms

Below is generated by plot.py at 2018-03-27 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 136.810 ms

Loss rate: 7.86%

-- Flow 1:

Average throughput: 53.20 Mbit/s

95th percentile per-packet one-way delay: 131.632 ms

Loss rate: 7.02%

-- Flow 2:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 134.035 ms

Loss rate: 8.50%

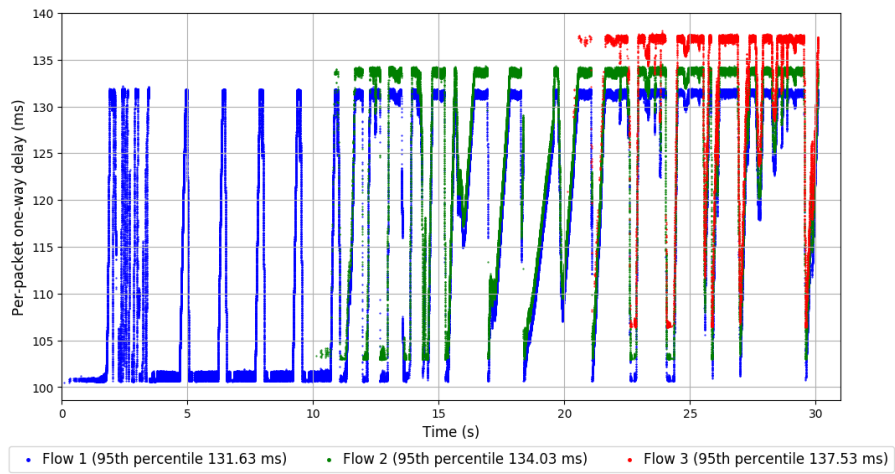
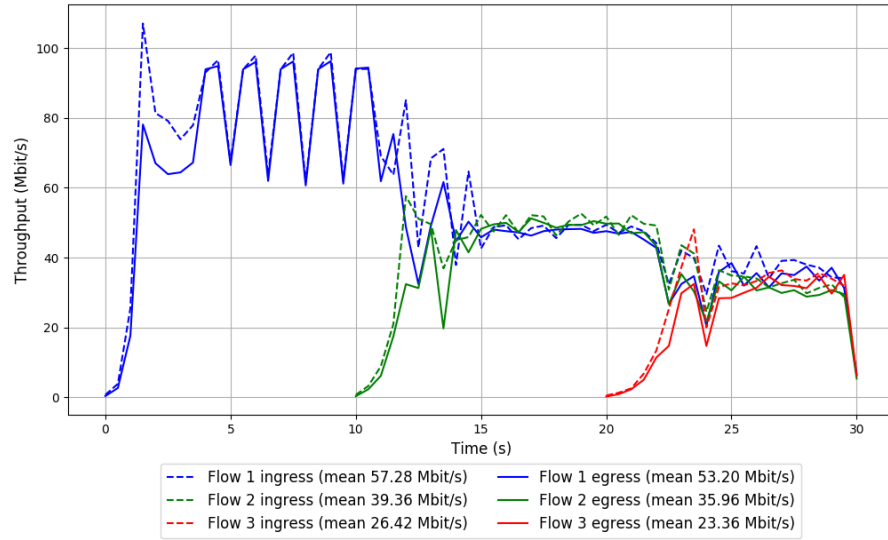
-- Flow 3:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 137.528 ms

Loss rate: 11.47%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-27 20:08:59

End at: 2018-03-27 20:09:29

Local clock offset: -1.031 ms

Remote clock offset: 2.68 ms

Below is generated by plot.py at 2018-03-27 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.28 Mbit/s

95th percentile per-packet one-way delay: 130.828 ms

Loss rate: 8.74%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 125.407 ms

Loss rate: 7.32%

-- Flow 2:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 131.016 ms

Loss rate: 10.35%

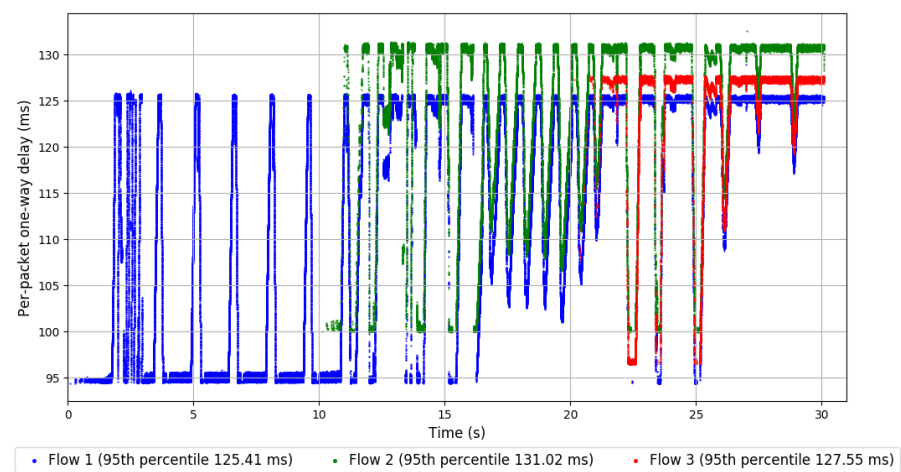
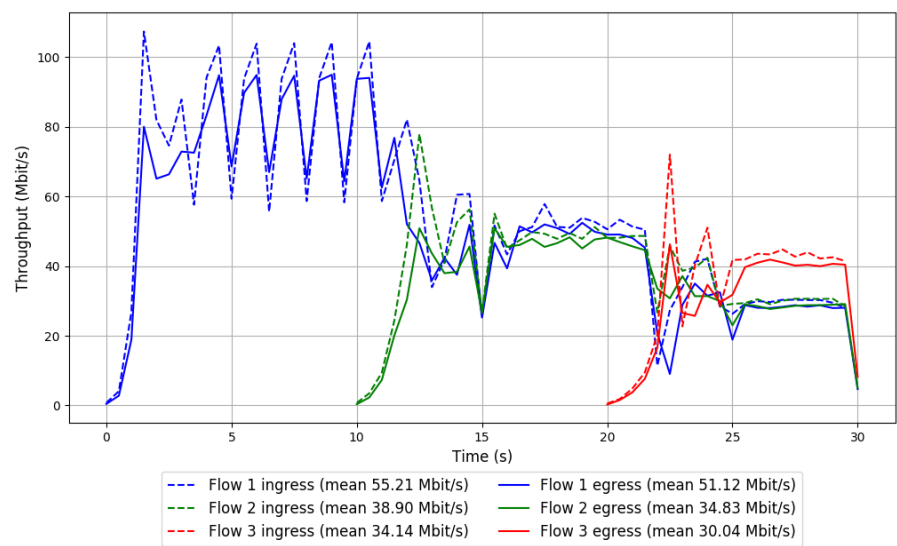
-- Flow 3:

Average throughput: 30.04 Mbit/s

95th percentile per-packet one-way delay: 127.554 ms

Loss rate: 12.02%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-27 20:33:10

End at: 2018-03-27 20:33:40

Local clock offset: -2.5 ms

Remote clock offset: 9.962 ms

Below is generated by plot.py at 2018-03-27 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.13 Mbit/s

95th percentile per-packet one-way delay: 138.831 ms

Loss rate: 7.10%

-- Flow 1:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 137.142 ms

Loss rate: 6.55%

-- Flow 2:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 139.170 ms

Loss rate: 8.09%

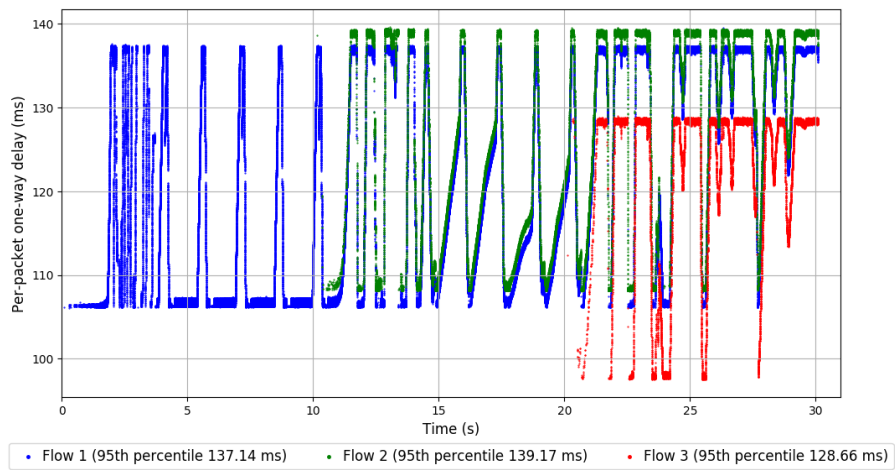
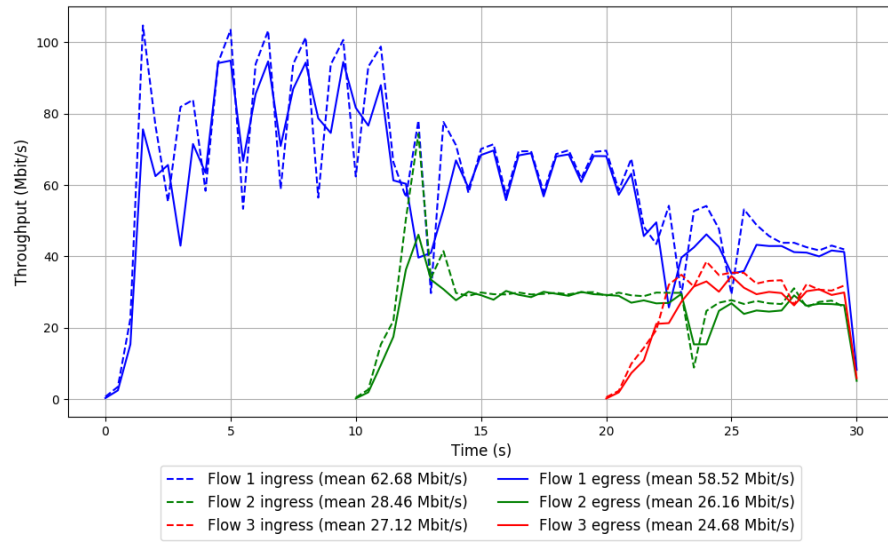
-- Flow 3:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 128.661 ms

Loss rate: 8.86%

Run 6: Report of TCP BBR — Data Link

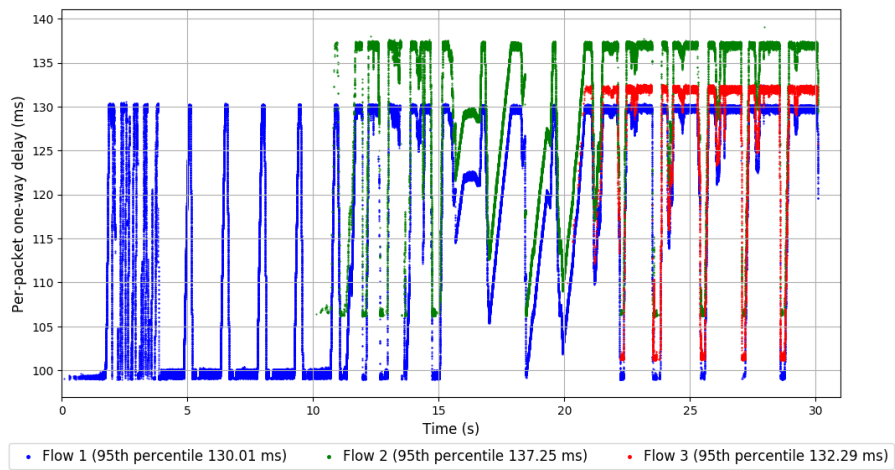
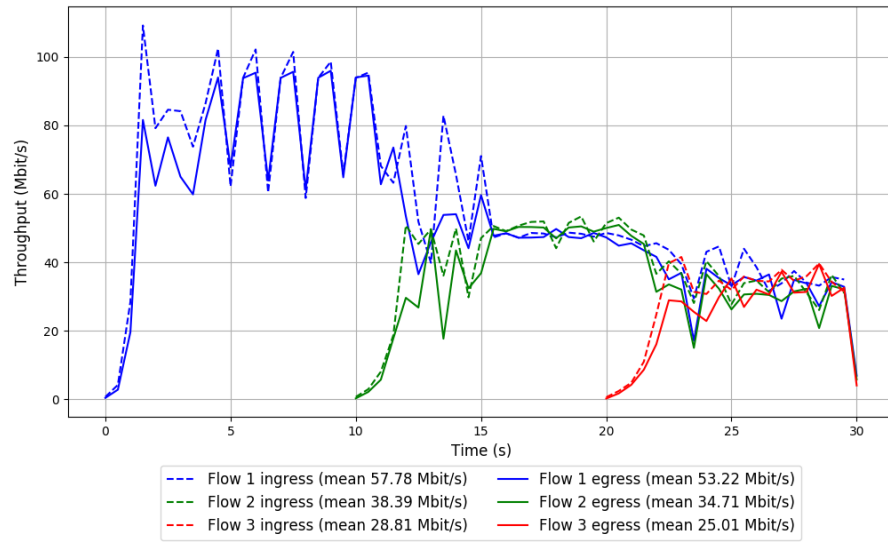


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 20:57:18
End at: 2018-03-27 20:57:48
Local clock offset: -4.828 ms
Remote clock offset: 11.087 ms

Below is generated by plot.py at 2018-03-27 22:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.63 Mbit/s
95th percentile per-packet one-way delay: 137.052 ms
Loss rate: 8.84%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 130.010 ms
Loss rate: 7.84%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 137.248 ms
Loss rate: 9.51%
-- Flow 3:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 132.289 ms
Loss rate: 13.06%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-27 21:21:43

End at: 2018-03-27 21:22:13

Local clock offset: -6.499 ms

Remote clock offset: 3.112 ms

Below is generated by plot.py at 2018-03-27 22:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 128.272 ms

Loss rate: 8.01%

-- Flow 1:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 127.542 ms

Loss rate: 6.01%

-- Flow 2:

Average throughput: 42.31 Mbit/s

95th percentile per-packet one-way delay: 126.636 ms

Loss rate: 8.85%

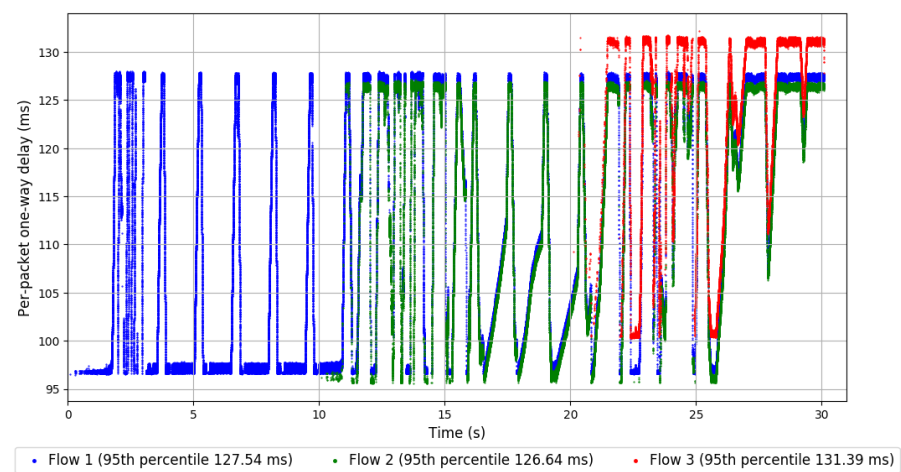
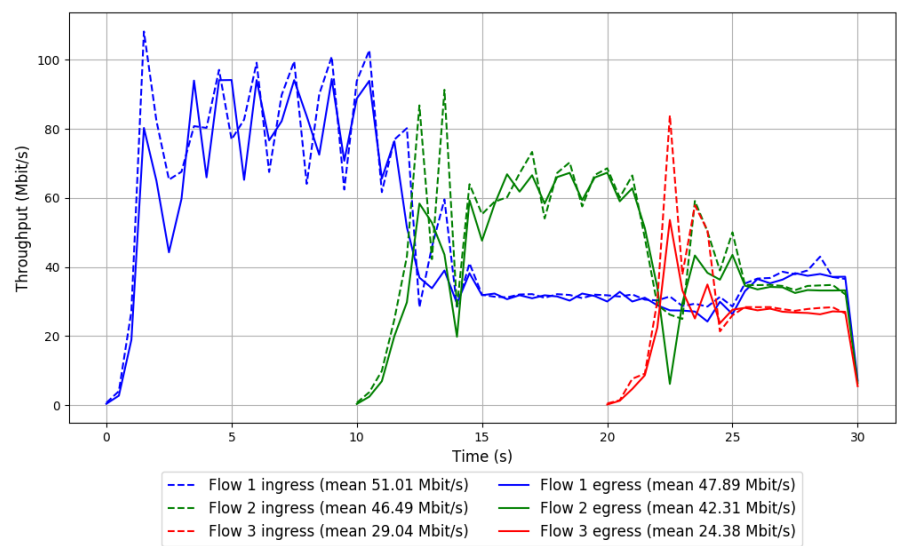
-- Flow 3:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 131.386 ms

Loss rate: 15.89%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-27 21:46:05

End at: 2018-03-27 21:46:35

Local clock offset: -8.151 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2018-03-27 22:46:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 128.927 ms

Loss rate: 8.67%

-- Flow 1:

Average throughput: 56.46 Mbit/s

95th percentile per-packet one-way delay: 128.924 ms

Loss rate: 7.85%

-- Flow 2:

Average throughput: 28.48 Mbit/s

95th percentile per-packet one-way delay: 127.123 ms

Loss rate: 8.99%

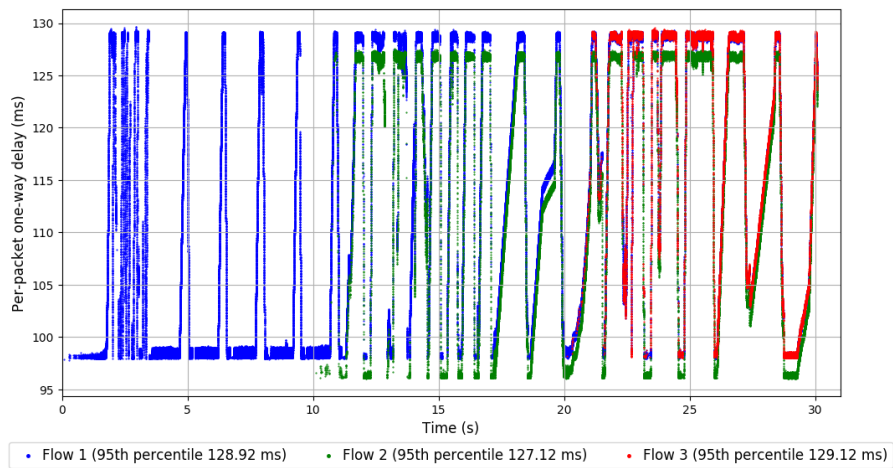
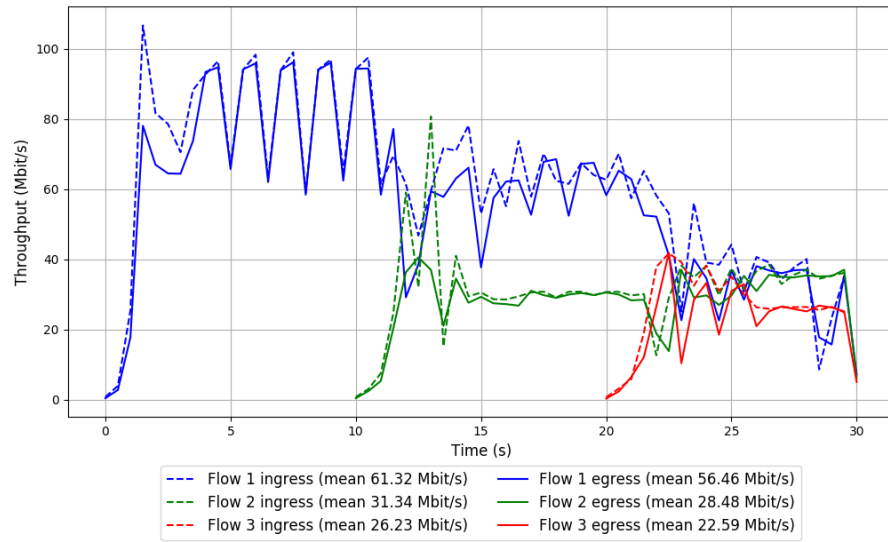
-- Flow 3:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 129.115 ms

Loss rate: 13.66%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-27 22:10:24

End at: 2018-03-27 22:10:54

Local clock offset: -3.67 ms

Remote clock offset: 21.63 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 134.622 ms

Loss rate: 8.63%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 132.875 ms

Loss rate: 7.73%

-- Flow 2:

Average throughput: 35.68 Mbit/s

95th percentile per-packet one-way delay: 134.797 ms

Loss rate: 10.20%

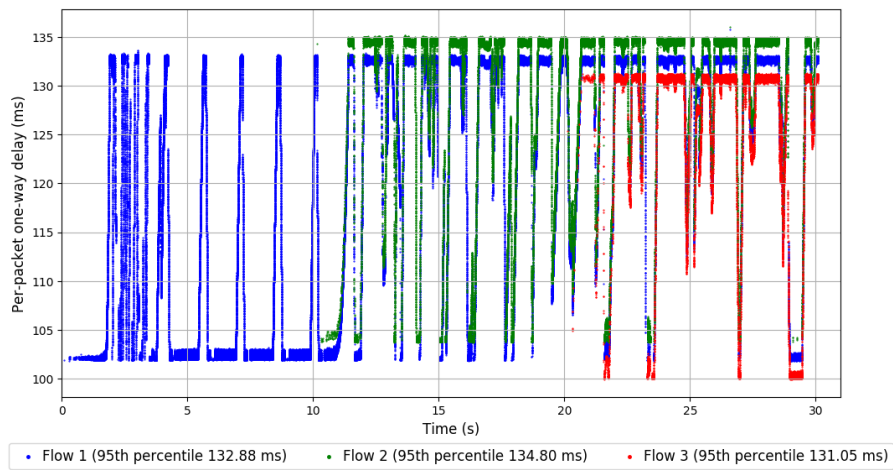
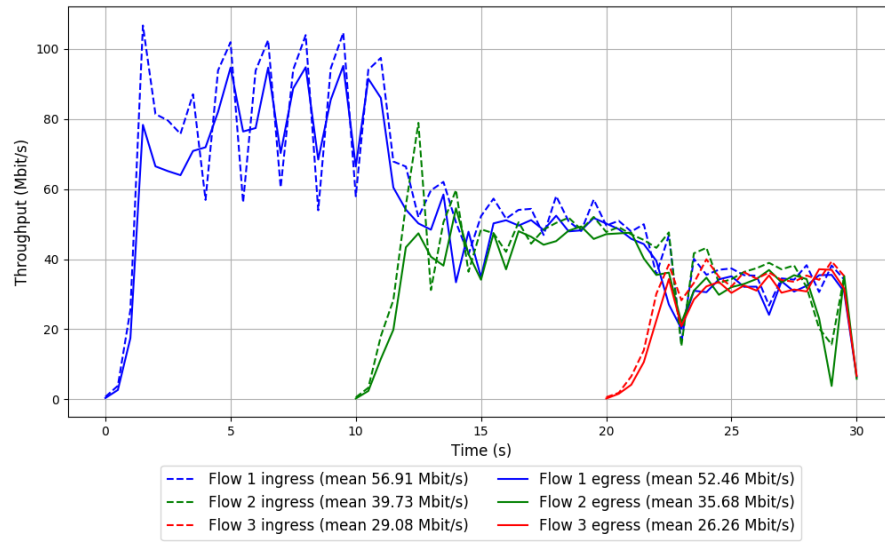
-- Flow 3:

Average throughput: 26.26 Mbit/s

95th percentile per-packet one-way delay: 131.049 ms

Loss rate: 9.66%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 18:29:25

End at: 2018-03-27 18:29:55

Local clock offset: -4.904 ms

Remote clock offset: 2.983 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.48 Mbit/s

95th percentile per-packet one-way delay: 124.141 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 123.189 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 39.61 Mbit/s

95th percentile per-packet one-way delay: 124.837 ms

Loss rate: 0.80%

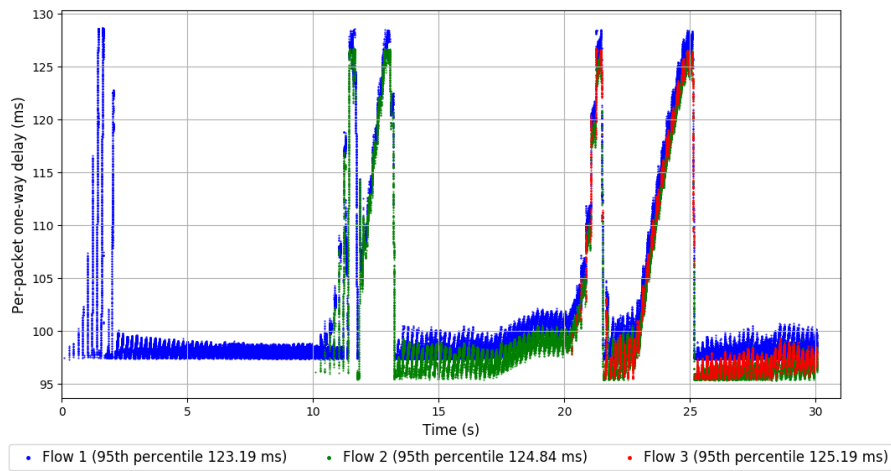
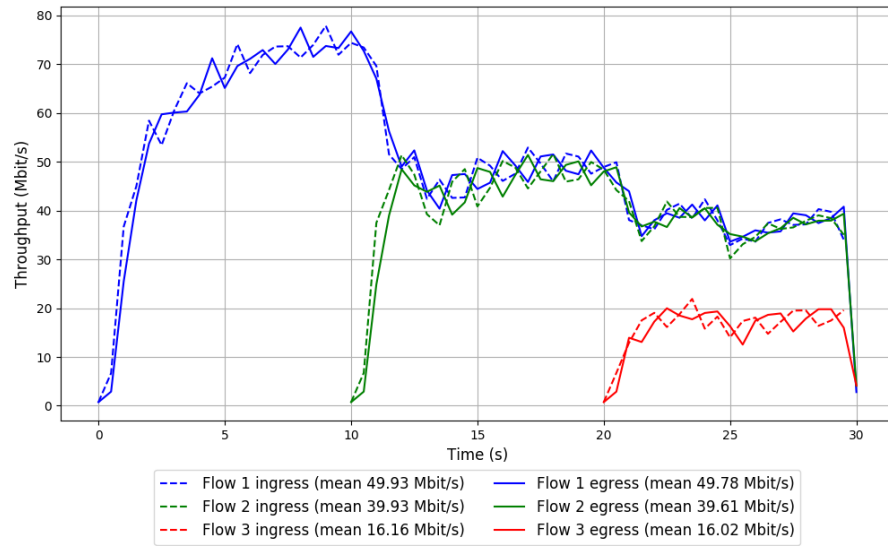
-- Flow 3:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 125.187 ms

Loss rate: 0.83%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 18:53:37

End at: 2018-03-27 18:54:07

Local clock offset: -7.317 ms

Remote clock offset: 2.728 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.54 Mbit/s

95th percentile per-packet one-way delay: 121.875 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 46.72 Mbit/s

95th percentile per-packet one-way delay: 116.912 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 123.221 ms

Loss rate: 1.14%

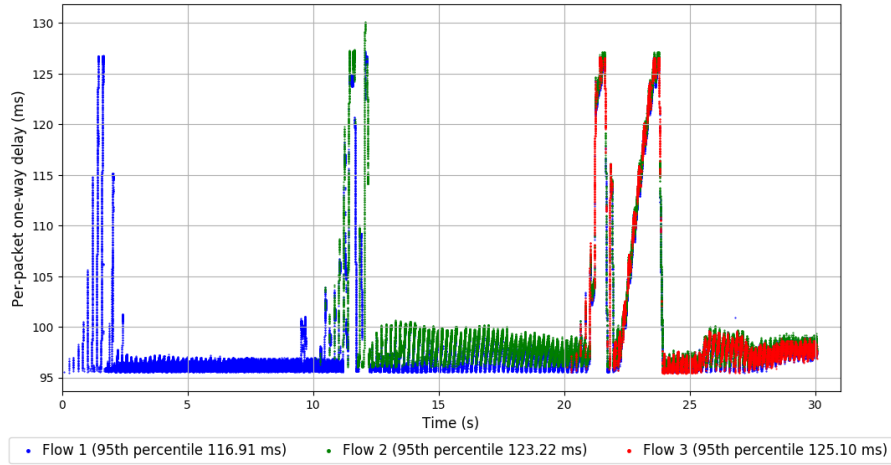
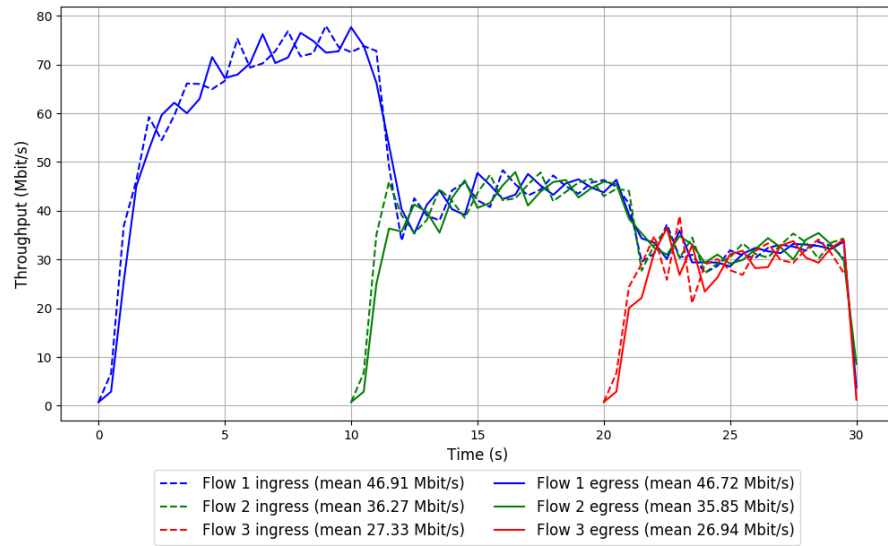
-- Flow 3:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 125.100 ms

Loss rate: 1.40%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 19:17:45

End at: 2018-03-27 19:18:15

Local clock offset: -6.052 ms

Remote clock offset: 7.961 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.18 Mbit/s

95th percentile per-packet one-way delay: 130.302 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 35.44 Mbit/s

95th percentile per-packet one-way delay: 129.967 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 47.83 Mbit/s

95th percentile per-packet one-way delay: 129.042 ms

Loss rate: 0.49%

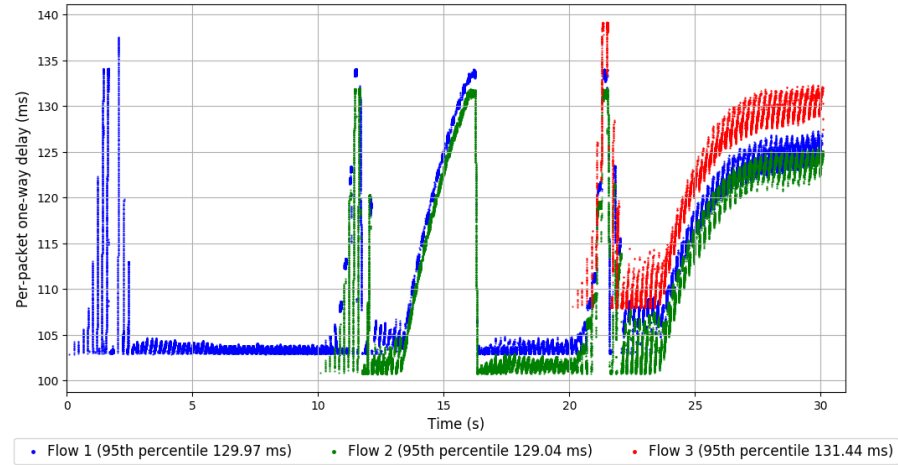
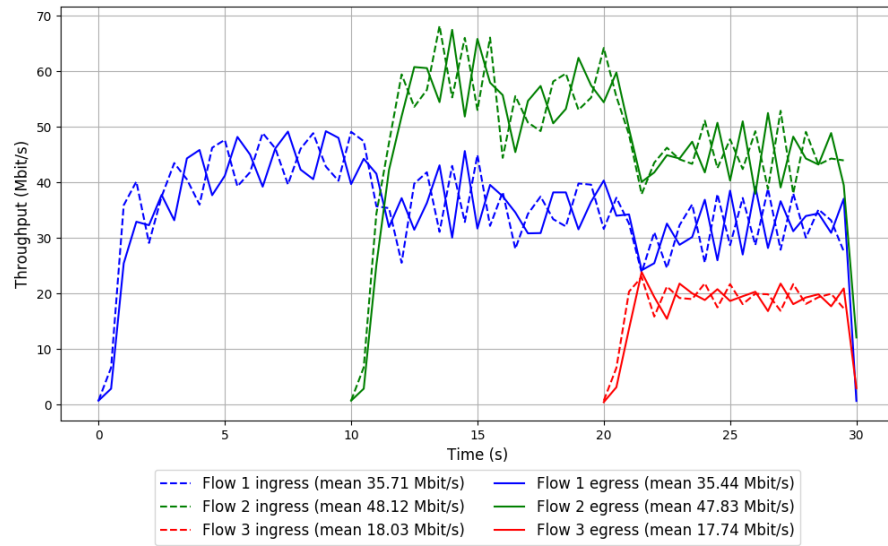
-- Flow 3:

Average throughput: 17.74 Mbit/s

95th percentile per-packet one-way delay: 131.445 ms

Loss rate: 1.38%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 19:42:09

End at: 2018-03-27 19:42:39

Local clock offset: -3.129 ms

Remote clock offset: 9.293 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 134.949 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 135.005 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 45.88 Mbit/s

95th percentile per-packet one-way delay: 135.605 ms

Loss rate: 0.48%

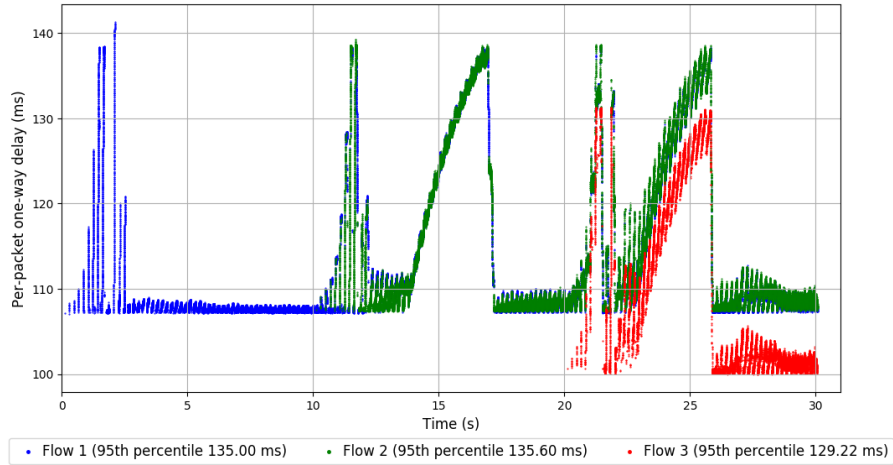
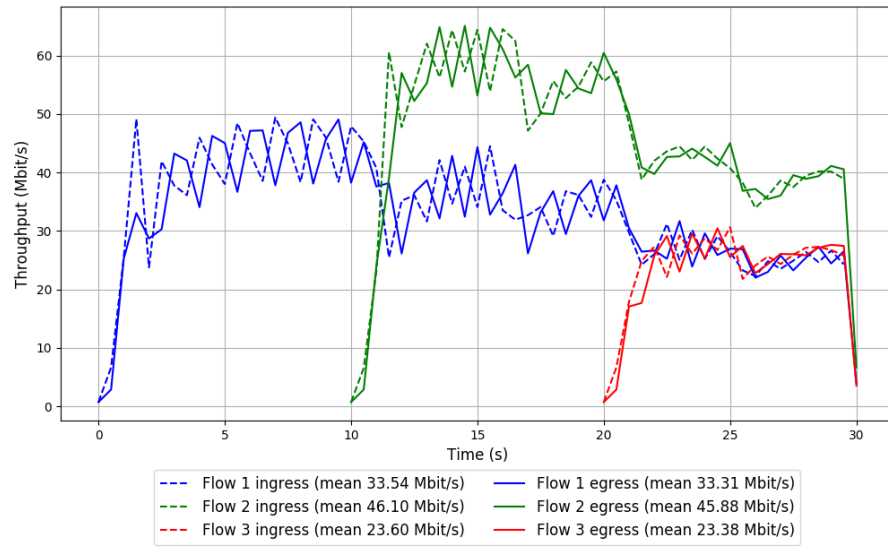
-- Flow 3:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 129.223 ms

Loss rate: 0.95%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 20:06:18

End at: 2018-03-27 20:06:48

Local clock offset: -0.584 ms

Remote clock offset: 3.608 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.37 Mbit/s

95th percentile per-packet one-way delay: 123.116 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 49.64 Mbit/s

95th percentile per-packet one-way delay: 125.211 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 121.377 ms

Loss rate: 0.82%

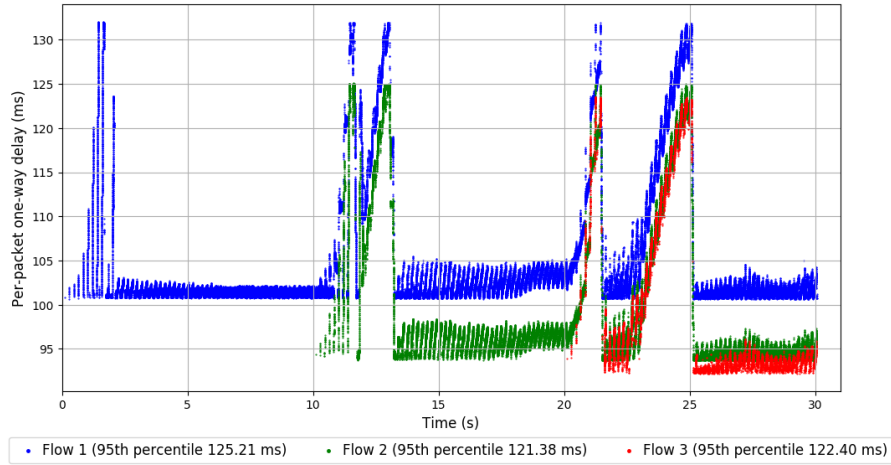
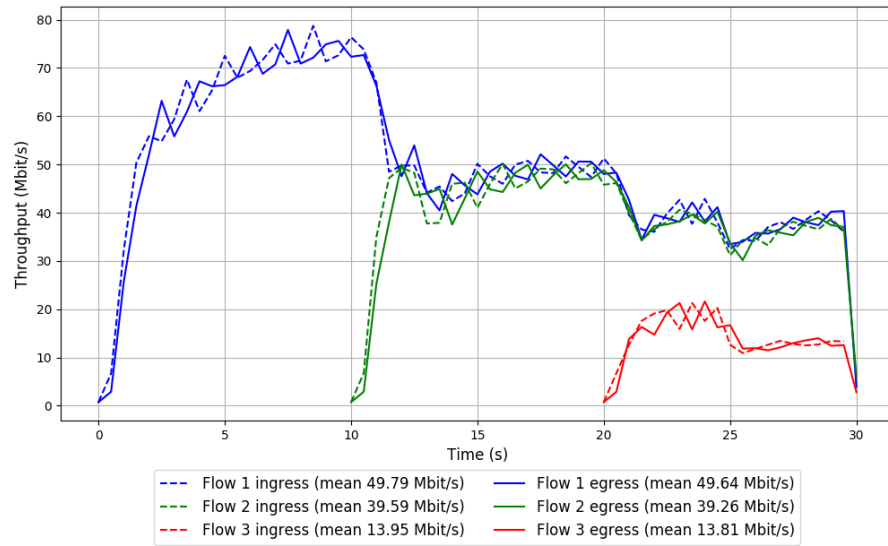
-- Flow 3:

Average throughput: 13.81 Mbit/s

95th percentile per-packet one-way delay: 122.397 ms

Loss rate: 0.97%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 20:30:27

End at: 2018-03-27 20:30:57

Local clock offset: -2.578 ms

Remote clock offset: 9.853 ms

Below is generated by plot.py at 2018-03-27 22:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 125.911 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 47.55 Mbit/s

95th percentile per-packet one-way delay: 122.675 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: 127.228 ms

Loss rate: 1.13%

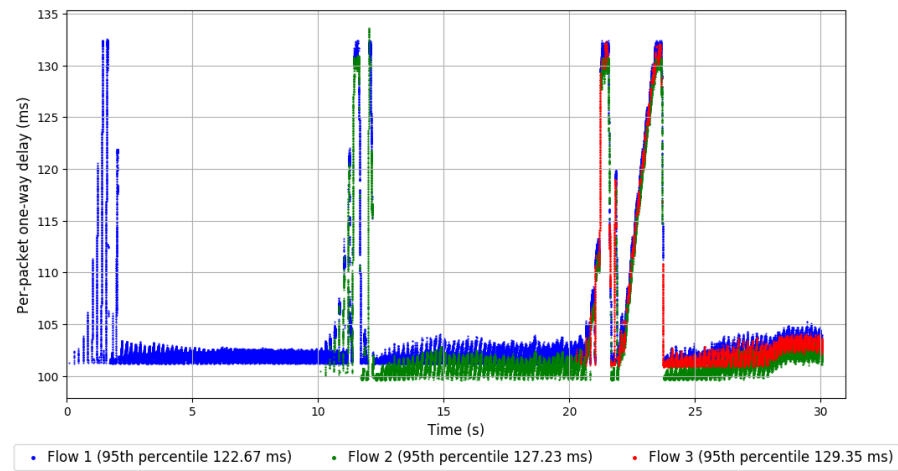
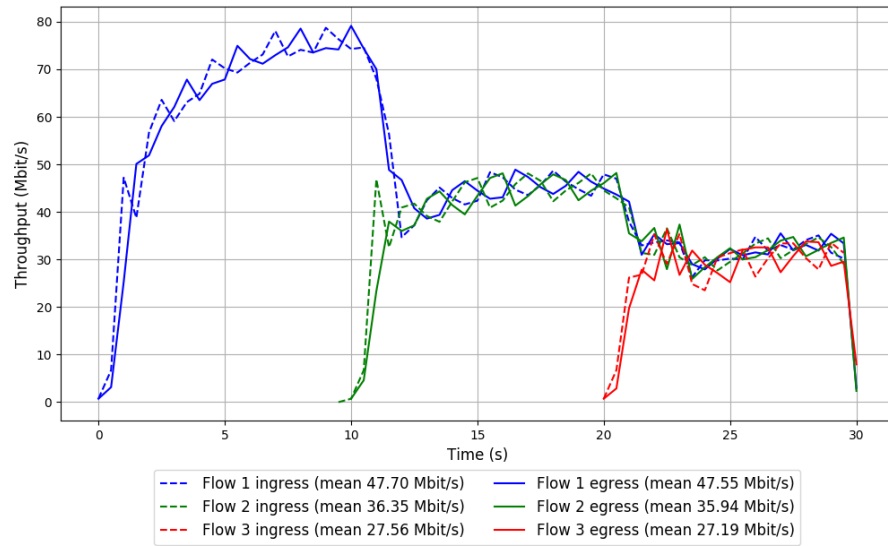
-- Flow 3:

Average throughput: 27.19 Mbit/s

95th percentile per-packet one-way delay: 129.351 ms

Loss rate: 1.31%

Run 6: Report of TCP Cubic — Data Link

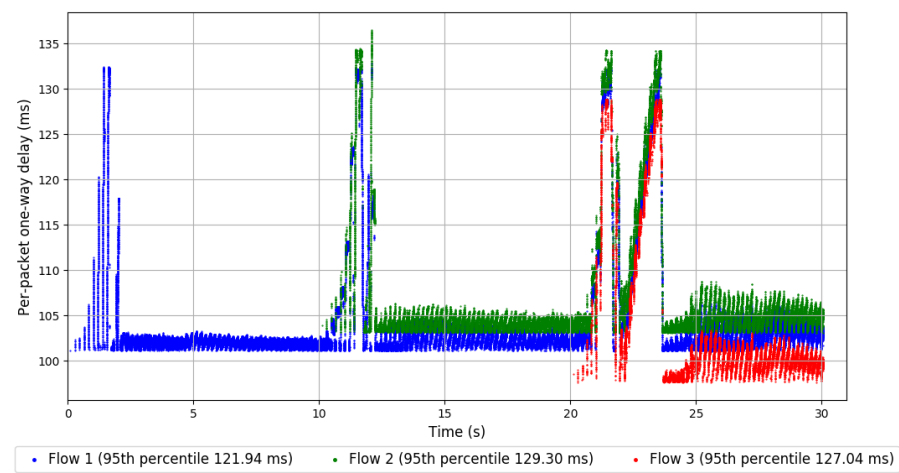
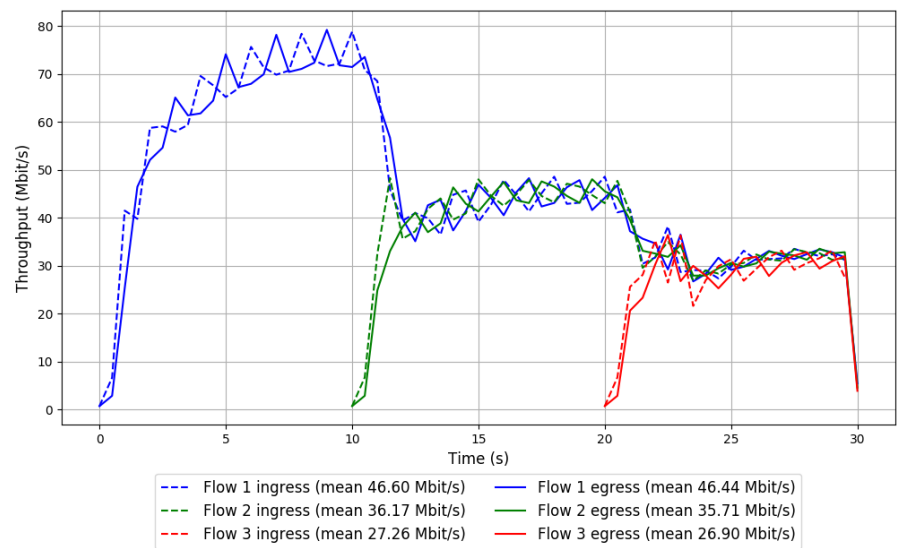


Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 20:54:35
End at: 2018-03-27 20:55:05
Local clock offset: -4.675 ms
Remote clock offset: 10.977 ms

Below is generated by plot.py at 2018-03-27 22:47:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 124.555 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 121.938 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 129.296 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 127.041 ms
Loss rate: 1.28%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 21:19:02

End at: 2018-03-27 21:19:32

Local clock offset: -6.13 ms

Remote clock offset: 3.013 ms

Below is generated by plot.py at 2018-03-27 22:47:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 108.740 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 109.581 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 110.497 ms

Loss rate: 1.38%

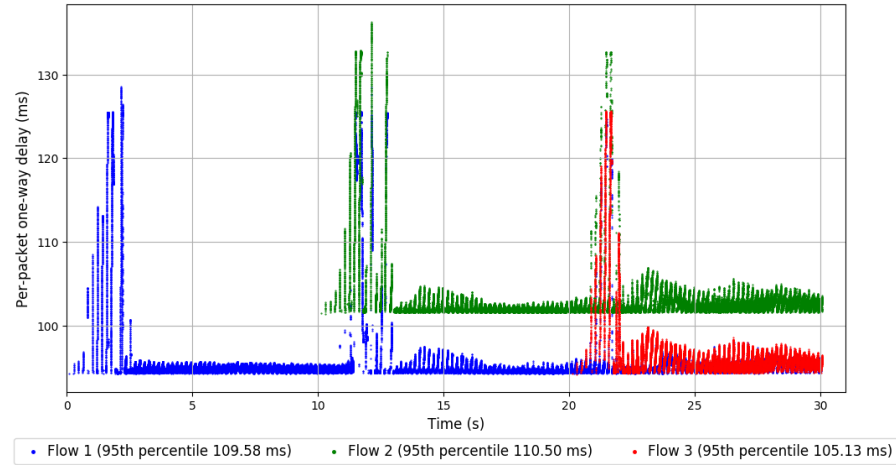
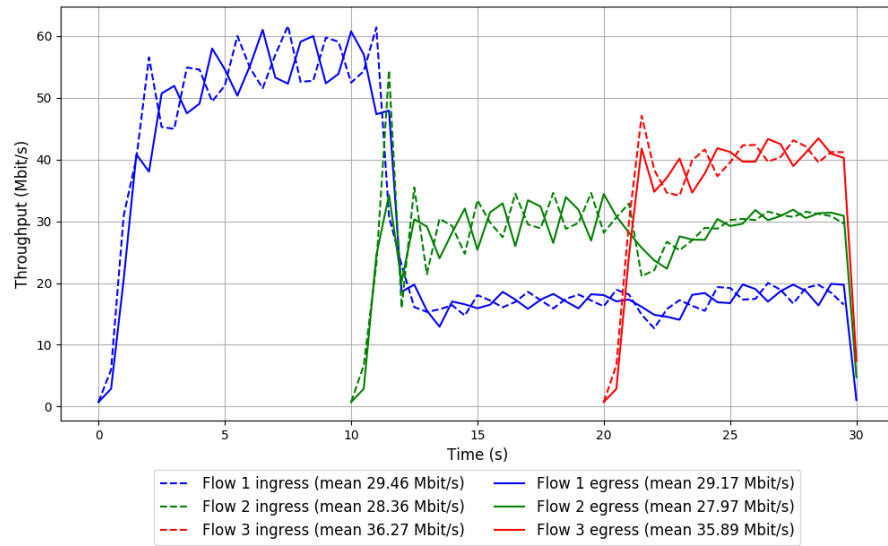
-- Flow 3:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 105.132 ms

Loss rate: 1.01%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 21:43:11

End at: 2018-03-27 21:43:41

Local clock offset: -7.96 ms

Remote clock offset: 1.885 ms

Below is generated by plot.py at 2018-03-27 22:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.81 Mbit/s

95th percentile per-packet one-way delay: 124.517 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 122.734 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 125.964 ms

Loss rate: 0.89%

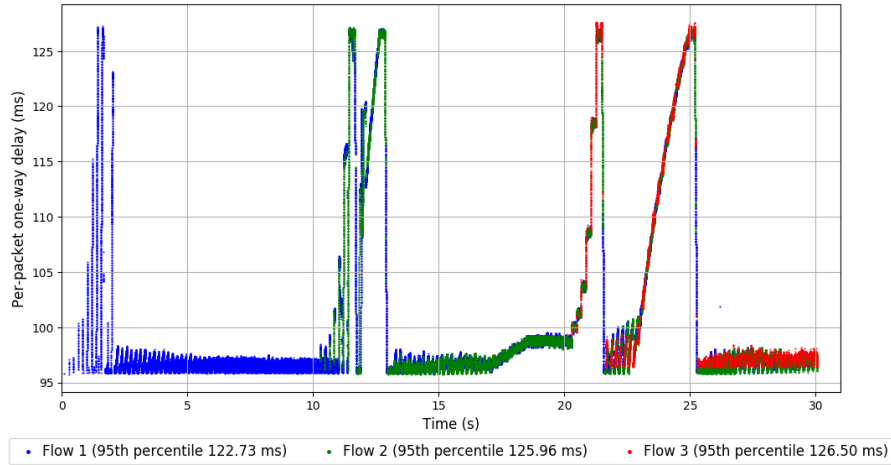
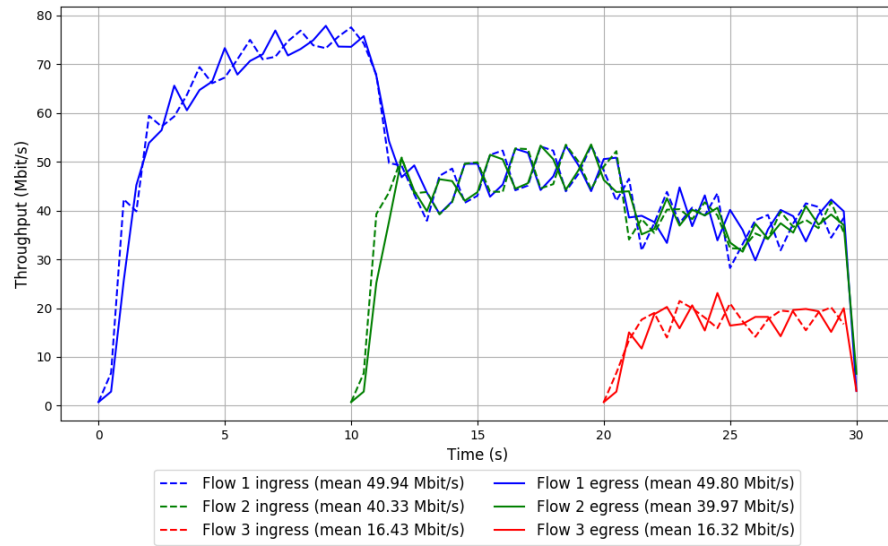
-- Flow 3:

Average throughput: 16.32 Mbit/s

95th percentile per-packet one-way delay: 126.498 ms

Loss rate: 0.66%

Run 9: Report of TCP Cubic — Data Link

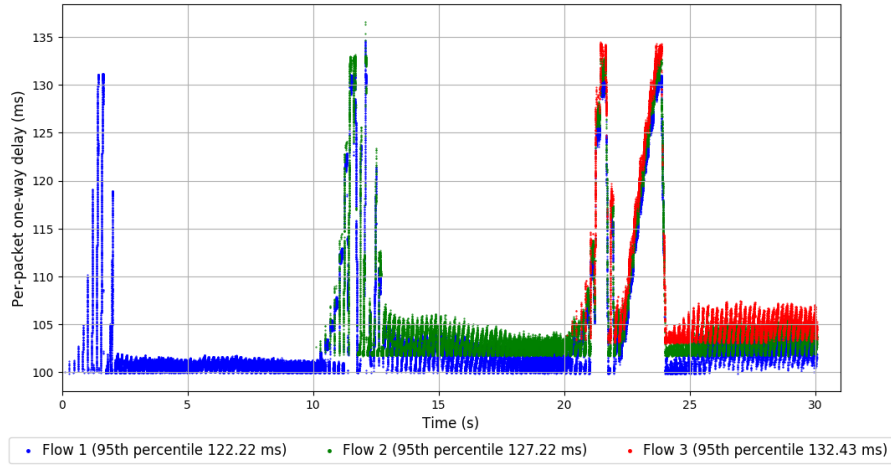
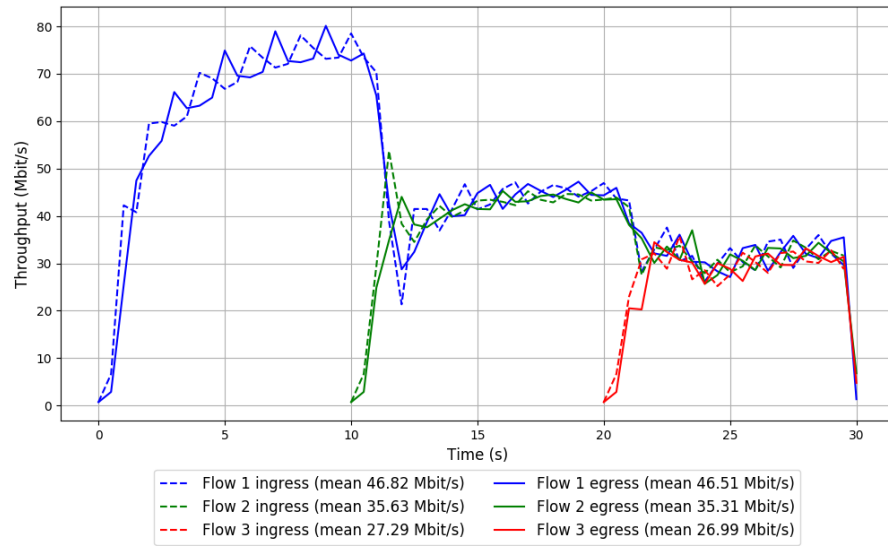


Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 22:07:42
End at: 2018-03-27 22:08:12
Local clock offset: -3.913 ms
Remote clock offset: 18.926 ms

Below is generated by plot.py at 2018-03-27 22:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 125.917 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 122.224 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 127.220 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 132.430 ms
Loss rate: 1.14%

Run 10: Report of TCP Cubic — Data Link

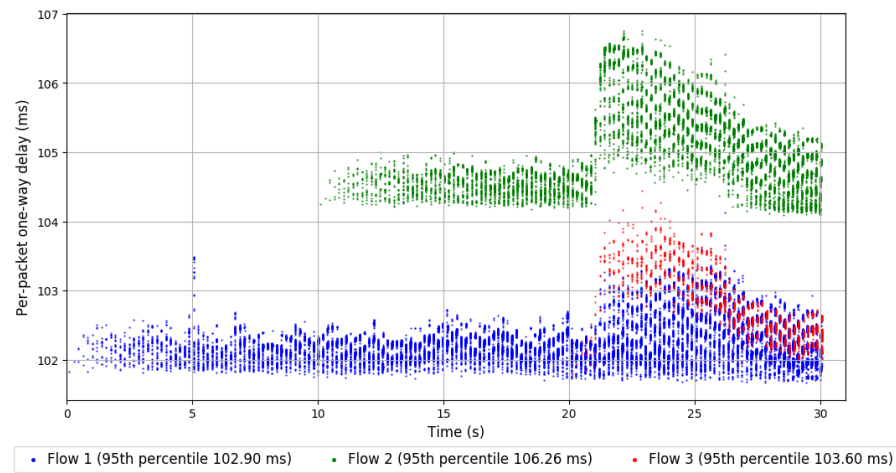
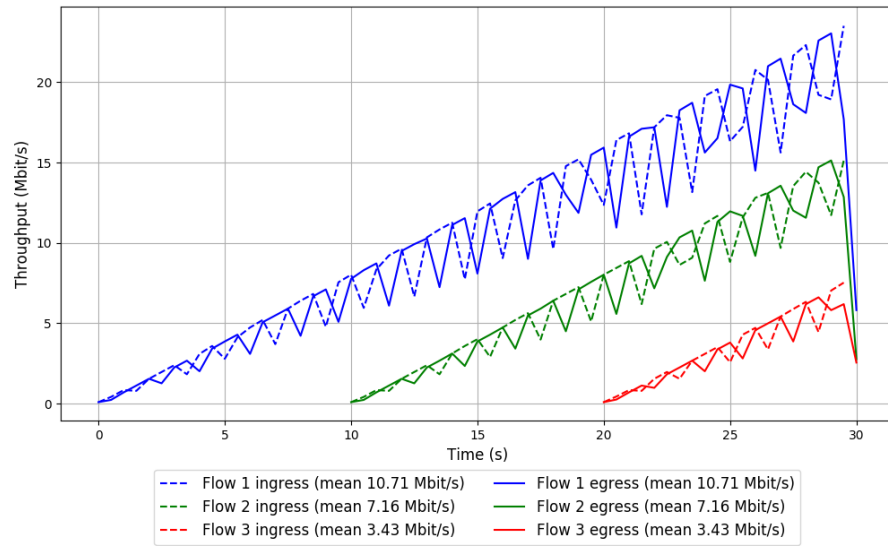


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-27 18:25:28
End at: 2018-03-27 18:25:58
Local clock offset: -3.604 ms
Remote clock offset: 9.541 ms

# Below is generated by plot.py at 2018-03-27 22:47:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 105.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 102.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 106.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 103.598 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-03-27 18:49:42

End at: 2018-03-27 18:50:12

Local clock offset: -7.141 ms

Remote clock offset: 1.639 ms

Below is generated by plot.py at 2018-03-27 22:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 101.656 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 100.398 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 99.836 ms

Loss rate: 0.00%

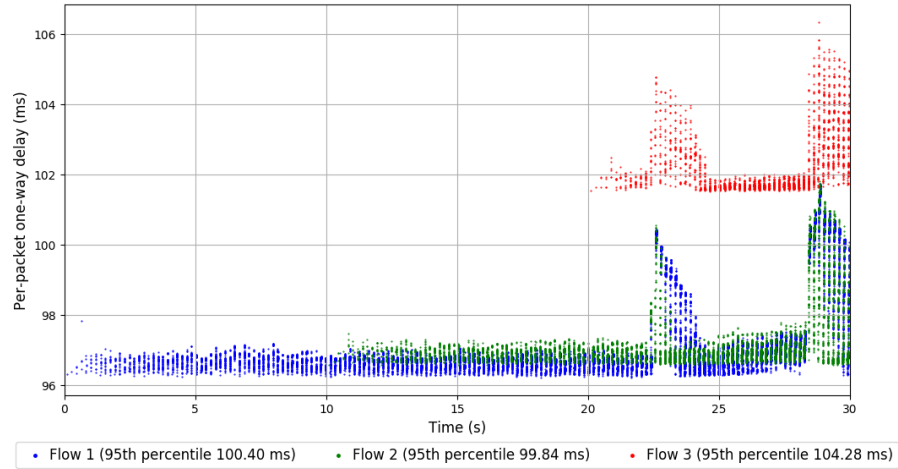
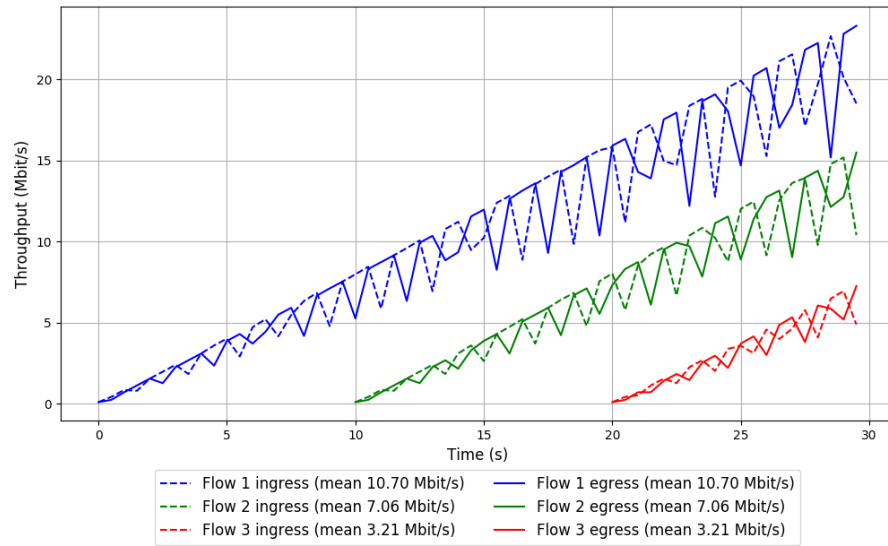
-- Flow 3:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 104.277 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

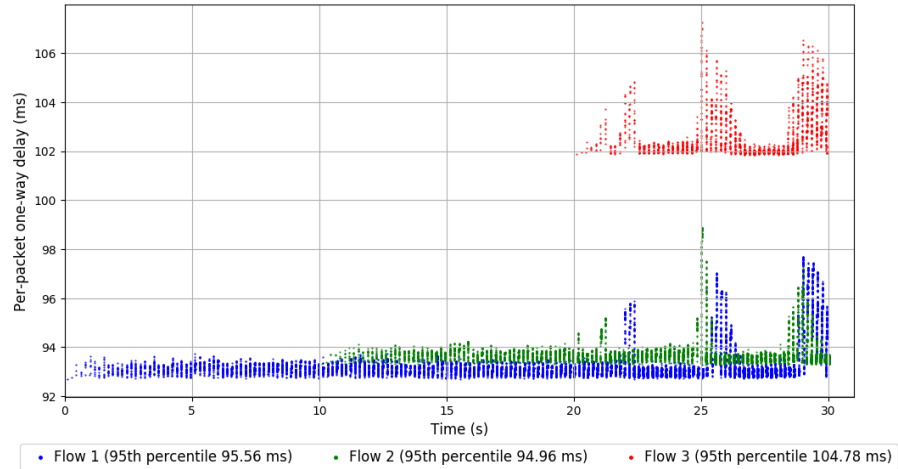
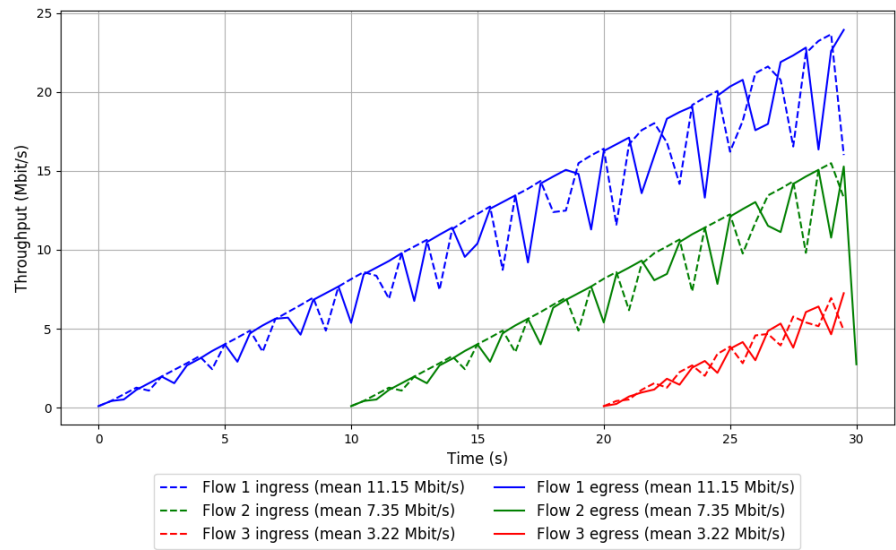


Run 3: Statistics of LEDBAT

Start at: 2018-03-27 19:13:49
End at: 2018-03-27 19:14:19
Local clock offset: -6.153 ms
Remote clock offset: 1.705 ms

Below is generated by plot.py at 2018-03-27 22:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 101.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 95.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 94.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 104.779 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

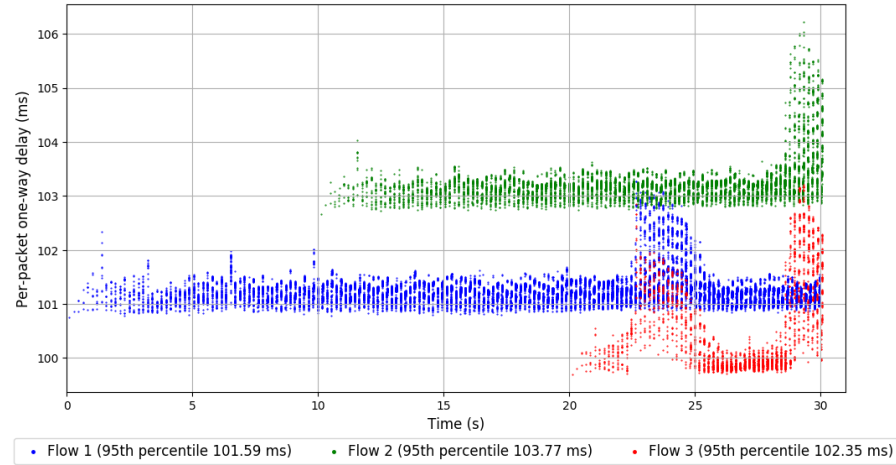
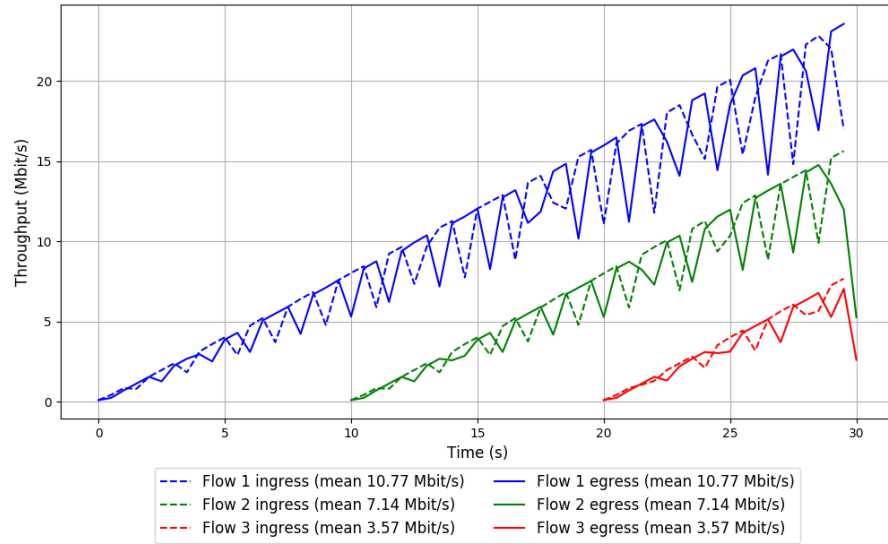


Run 4: Statistics of LEDBAT

Start at: 2018-03-27 19:38:12
End at: 2018-03-27 19:38:42
Local clock offset: -4.032 ms
Remote clock offset: 8.178 ms

Below is generated by plot.py at 2018-03-27 22:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 103.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 101.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 103.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 102.353 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-27 20:02:22

End at: 2018-03-27 20:02:52

Local clock offset: -0.82 ms

Remote clock offset: 8.907 ms

Below is generated by plot.py at 2018-03-27 22:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.36 Mbit/s

95th percentile per-packet one-way delay: 100.608 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.16 Mbit/s

95th percentile per-packet one-way delay: 100.651 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 100.634 ms

Loss rate: 0.00%

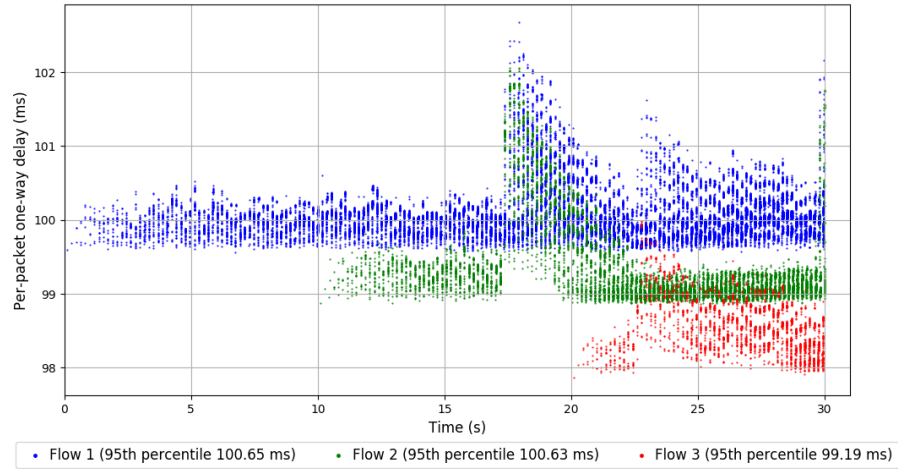
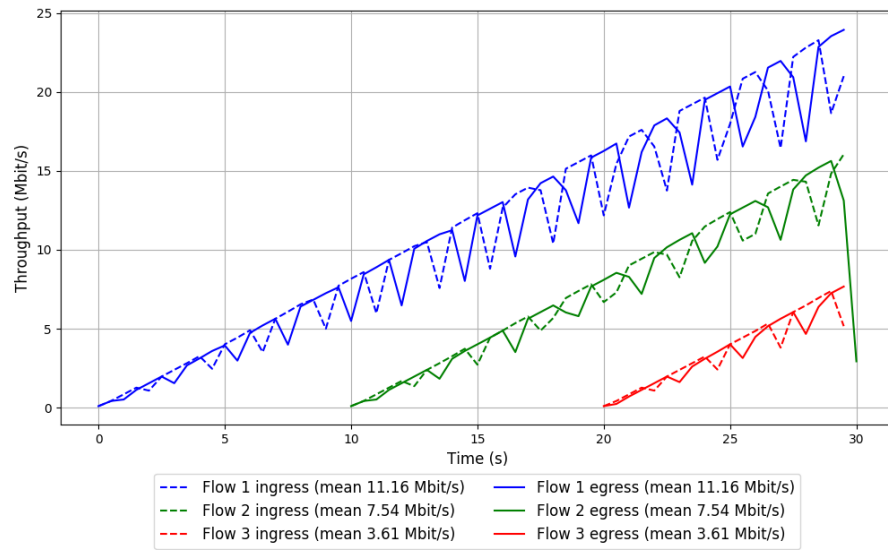
-- Flow 3:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 99.193 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-27 20:26:29

End at: 2018-03-27 20:26:59

Local clock offset: -2.543 ms

Remote clock offset: 8.801 ms

Below is generated by plot.py at 2018-03-27 22:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 104.192 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 103.771 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 104.547 ms

Loss rate: 0.00%

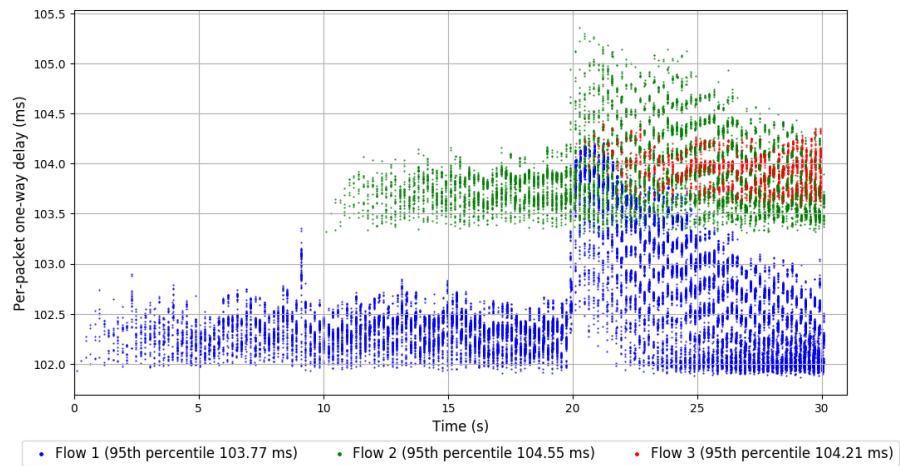
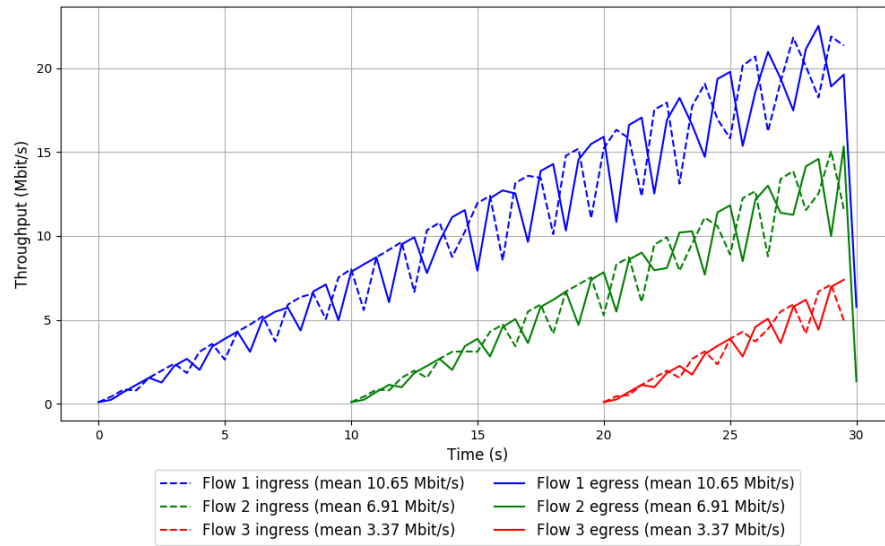
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 104.211 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-27 20:50:38

End at: 2018-03-27 20:51:08

Local clock offset: -4.338 ms

Remote clock offset: 4.313 ms

Below is generated by plot.py at 2018-03-27 22:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.36 Mbit/s

95th percentile per-packet one-way delay: 95.665 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 95.141 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 95.819 ms

Loss rate: 0.00%

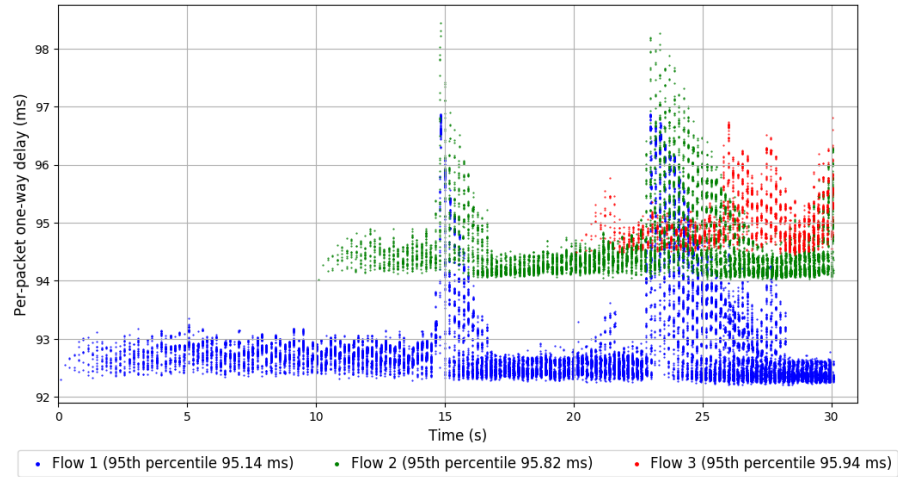
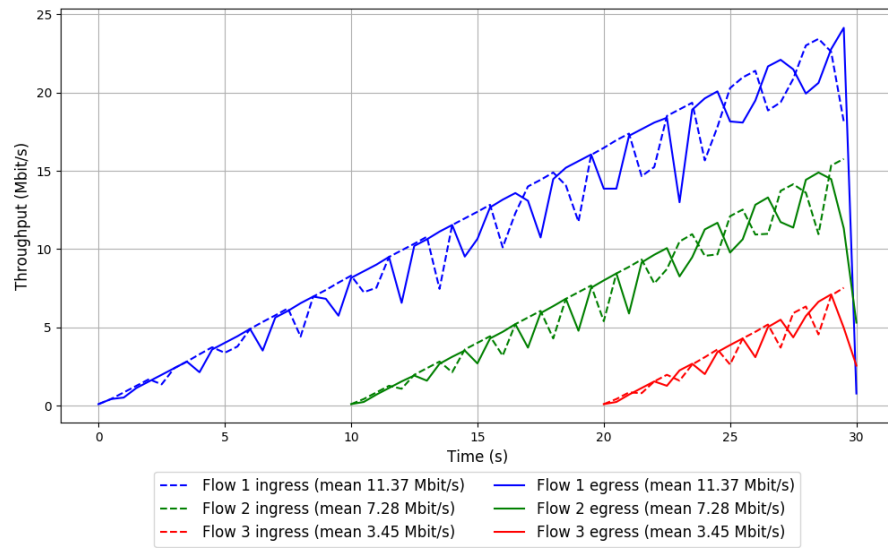
-- Flow 3:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 95.943 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-27 21:15:04

End at: 2018-03-27 21:15:34

Local clock offset: -5.388 ms

Remote clock offset: 4.15 ms

Below is generated by plot.py at 2018-03-27 22:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.92 Mbit/s

95th percentile per-packet one-way delay: 99.614 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 98.464 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 93.114 ms

Loss rate: 0.00%

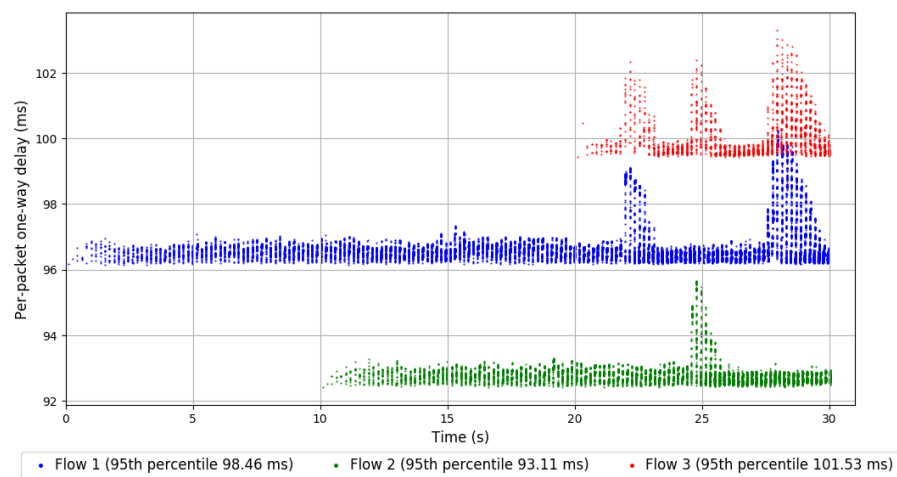
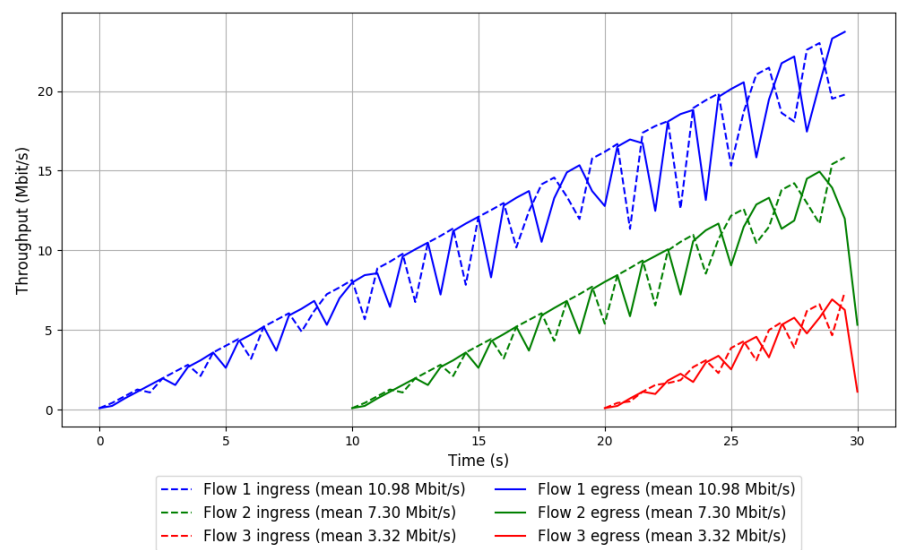
-- Flow 3:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 101.528 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

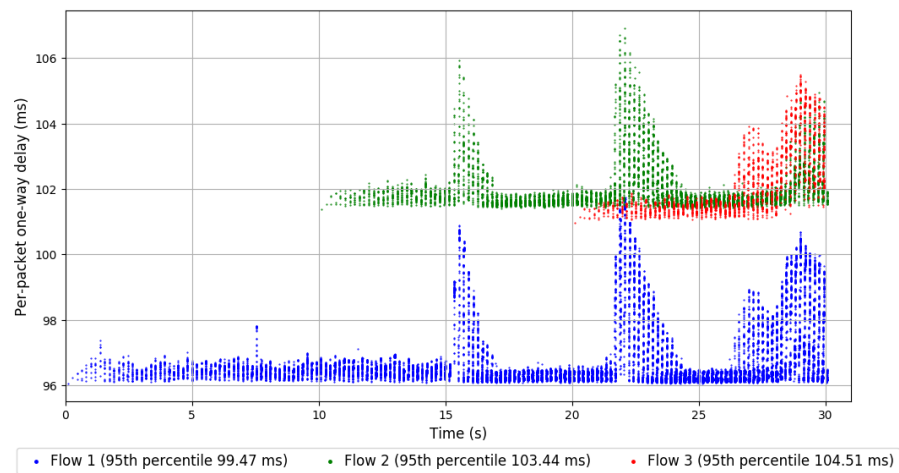
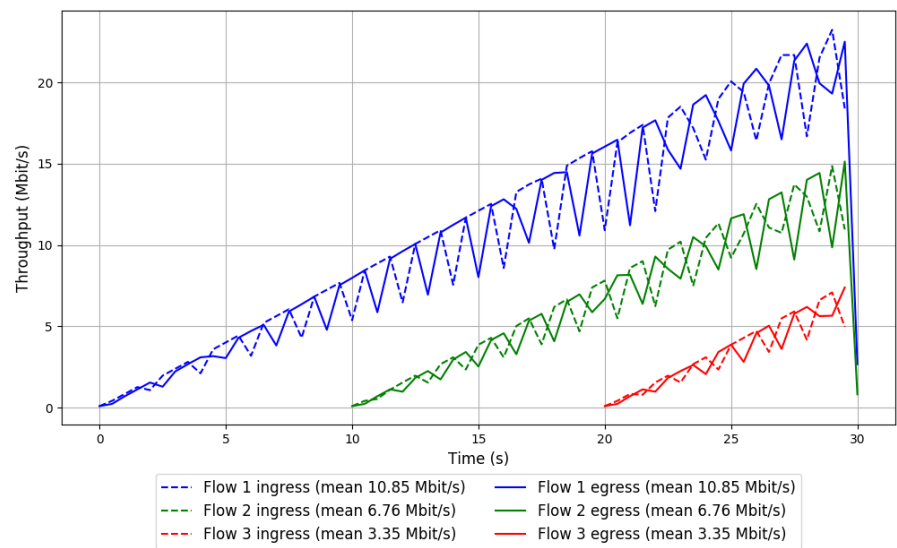


Run 9: Statistics of LEDBAT

Start at: 2018-03-27 21:39:14
End at: 2018-03-27 21:39:44
Local clock offset: -7.774 ms
Remote clock offset: 2.239 ms

Below is generated by plot.py at 2018-03-27 22:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 102.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 99.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 103.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 104.509 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

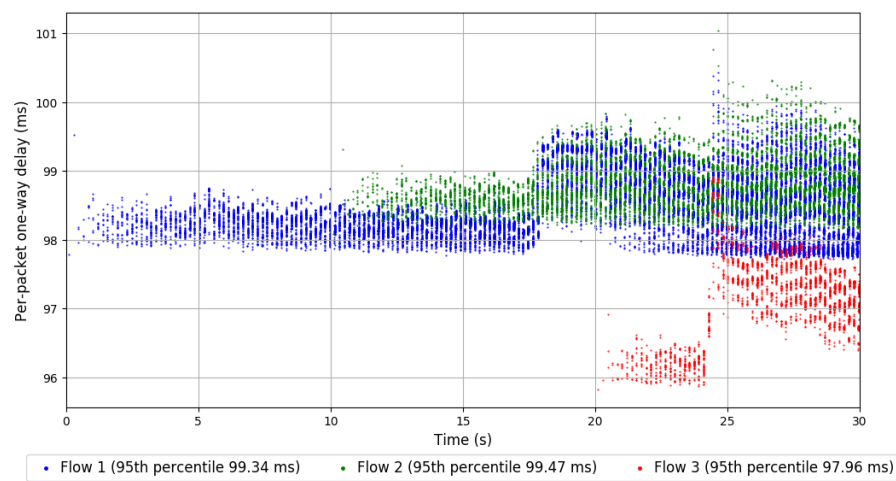
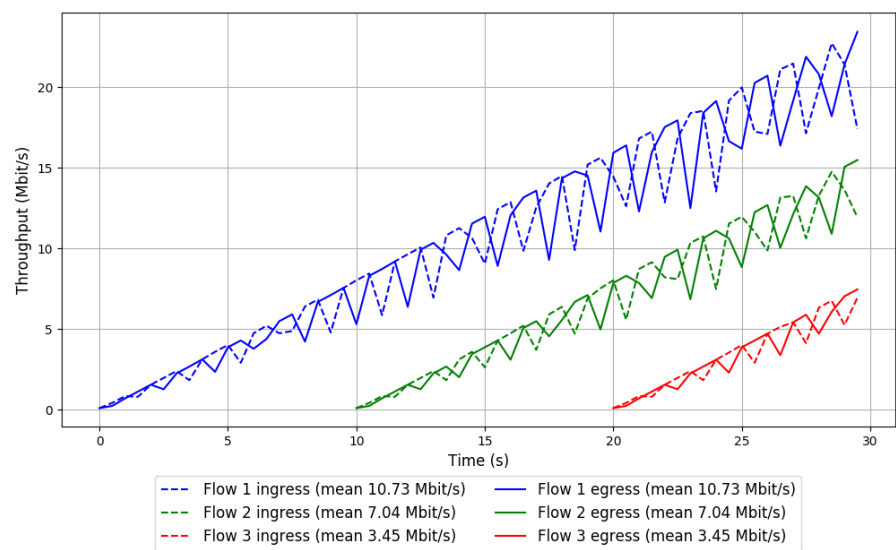


Run 10: Statistics of LEDBAT

Start at: 2018-03-27 22:03:45
End at: 2018-03-27 22:04:15
Local clock offset: -4.369 ms
Remote clock offset: 13.821 ms

Below is generated by plot.py at 2018-03-27 22:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.55 Mbit/s
95th percentile per-packet one-way delay: 99.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 99.345 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 99.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 97.959 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-03-27 18:26:44

End at: 2018-03-27 18:27:14

Local clock offset: -4.121 ms

Remote clock offset: 8.483 ms

Below is generated by plot.py at 2018-03-27 22:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.14 Mbit/s

95th percentile per-packet one-way delay: 131.473 ms

Loss rate: 2.63%

-- Flow 1:

Average throughput: 80.82 Mbit/s

95th percentile per-packet one-way delay: 131.409 ms

Loss rate: 2.51%

-- Flow 2:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 134.981 ms

Loss rate: 3.97%

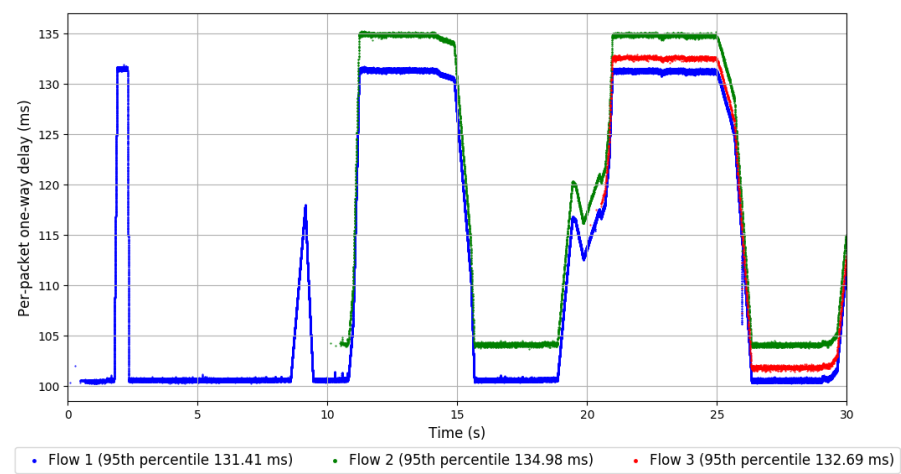
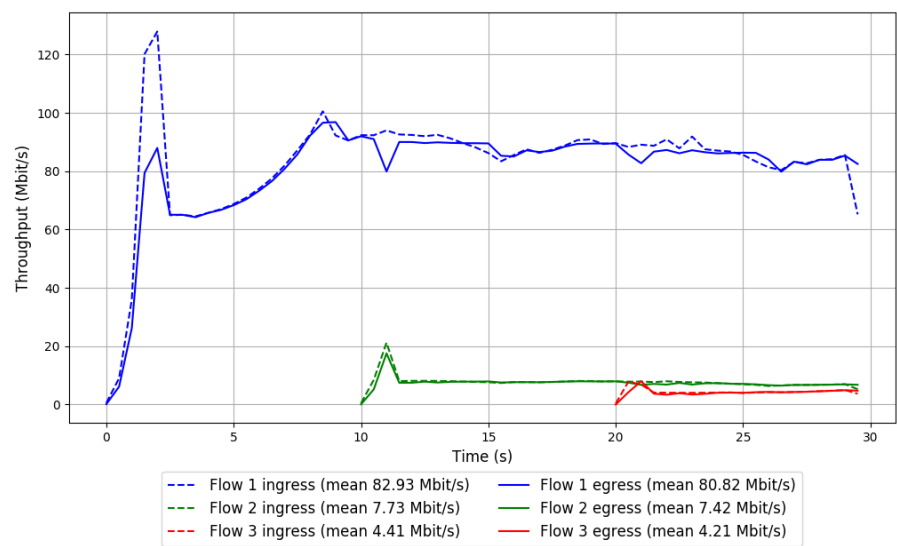
-- Flow 3:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 132.694 ms

Loss rate: 4.66%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-27 18:50:59

End at: 2018-03-27 18:51:29

Local clock offset: -7.236 ms

Remote clock offset: 8.043 ms

Below is generated by plot.py at 2018-03-27 22:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 135.259 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 133.604 ms

Loss rate: 2.39%

-- Flow 2:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 137.193 ms

Loss rate: 2.81%

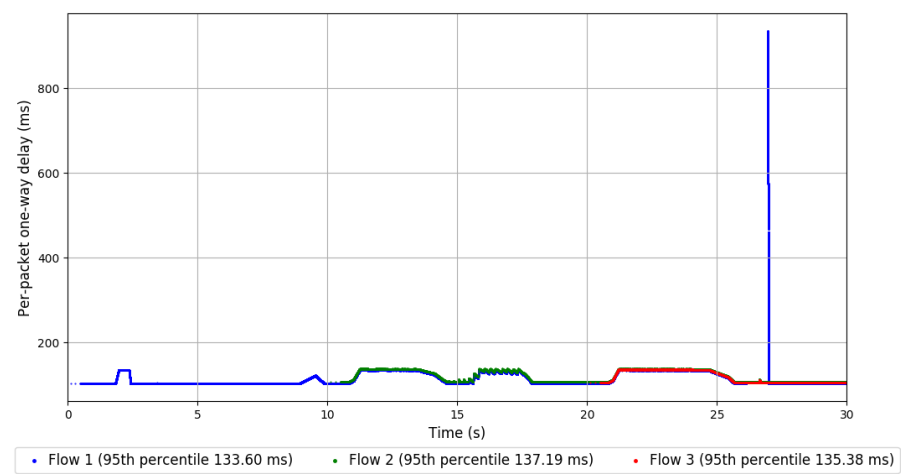
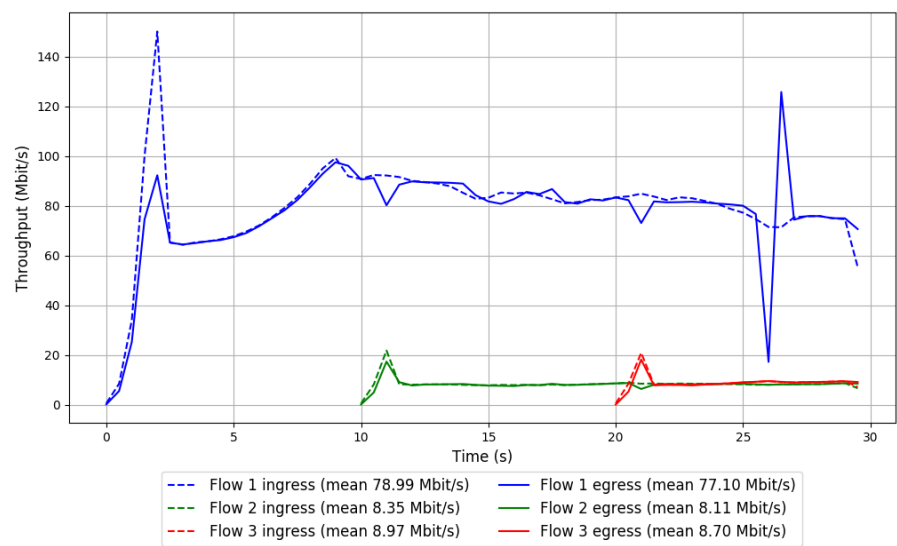
-- Flow 3:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 135.381 ms

Loss rate: 3.07%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-27 19:15:05

End at: 2018-03-27 19:15:35

Local clock offset: -6.12 ms

Remote clock offset: 1.697 ms

Below is generated by plot.py at 2018-03-27 22:48:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 131.355 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 78.04 Mbit/s

95th percentile per-packet one-way delay: 131.322 ms

Loss rate: 2.81%

-- Flow 2:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 132.936 ms

Loss rate: 3.55%

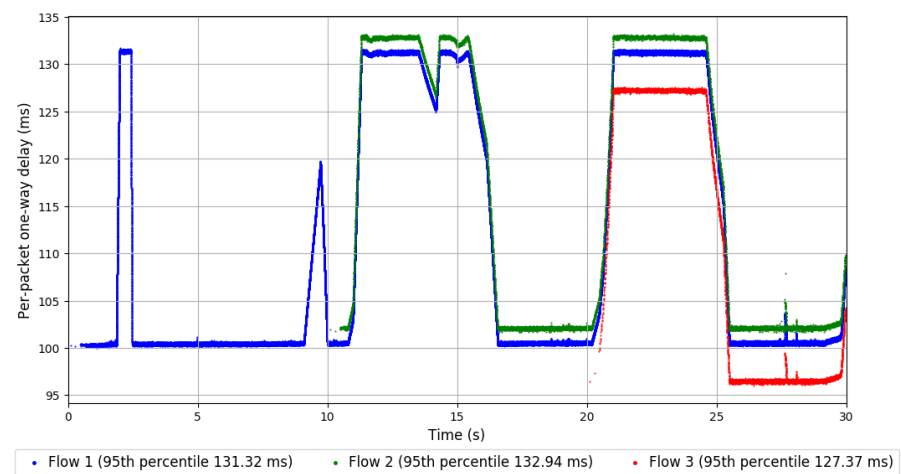
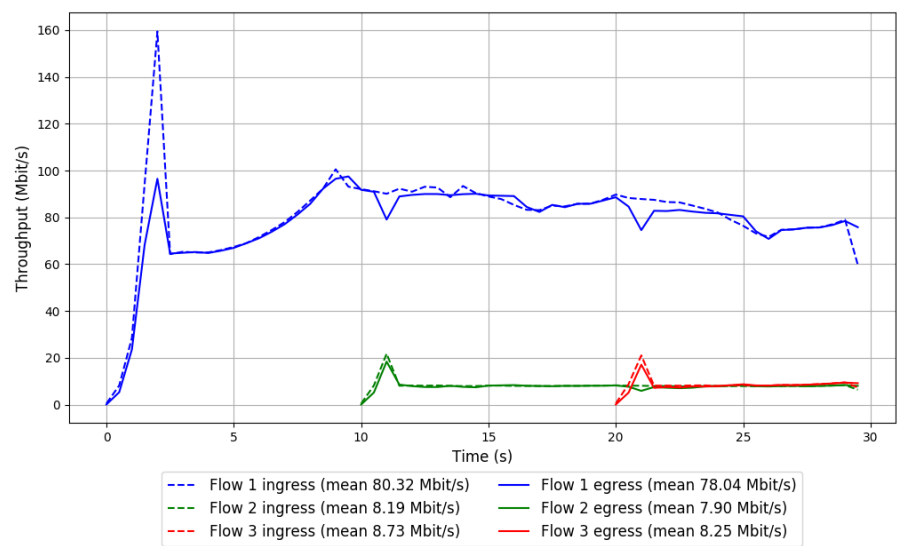
-- Flow 3:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 127.366 ms

Loss rate: 5.36%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-27 19:39:28

End at: 2018-03-27 19:39:58

Local clock offset: -3.745 ms

Remote clock offset: 2.745 ms

Below is generated by plot.py at 2018-03-27 22:48:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 128.345 ms

Loss rate: 3.11%

-- Flow 1:

Average throughput: 78.13 Mbit/s

95th percentile per-packet one-way delay: 128.352 ms

Loss rate: 2.88%

-- Flow 2:

Average throughput: 8.90 Mbit/s

95th percentile per-packet one-way delay: 124.967 ms

Loss rate: 4.45%

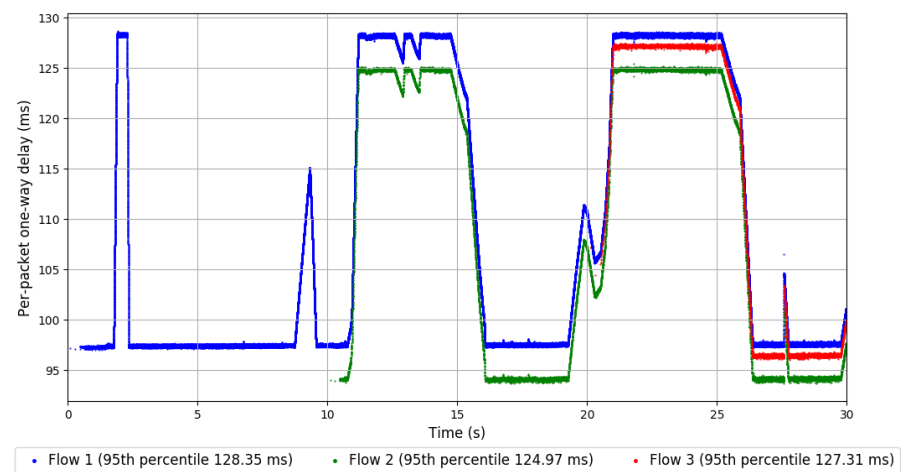
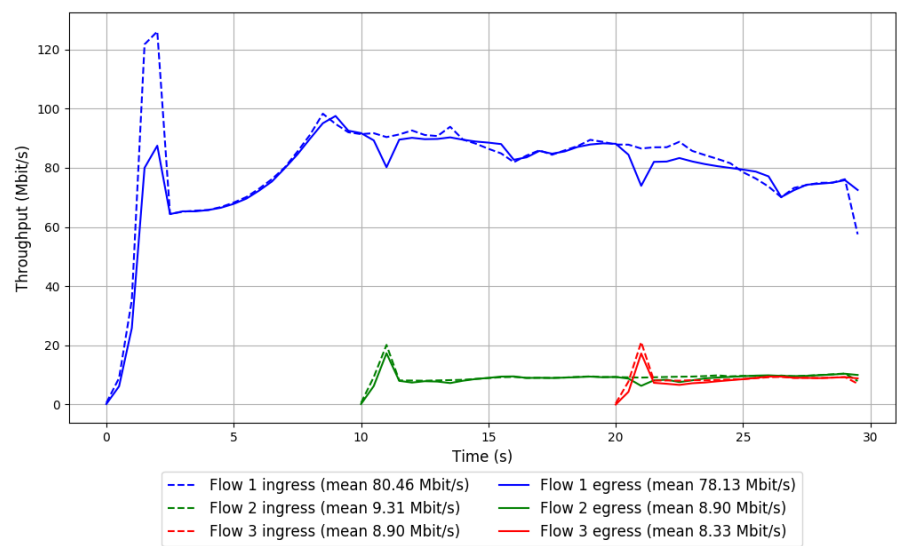
-- Flow 3:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 127.308 ms

Loss rate: 6.48%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-27 20:03:38

End at: 2018-03-27 20:04:08

Local clock offset: -0.761 ms

Remote clock offset: 2.587 ms

Below is generated by plot.py at 2018-03-27 22:48:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 125.871 ms

Loss rate: 2.63%

-- Flow 1:

Average throughput: 78.23 Mbit/s

95th percentile per-packet one-way delay: 125.880 ms

Loss rate: 2.58%

-- Flow 2:

Average throughput: 8.56 Mbit/s

95th percentile per-packet one-way delay: 125.453 ms

Loss rate: 3.13%

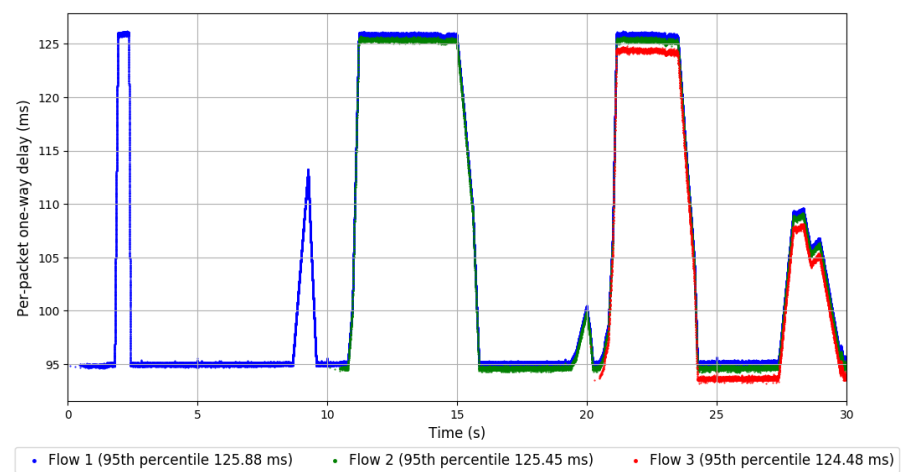
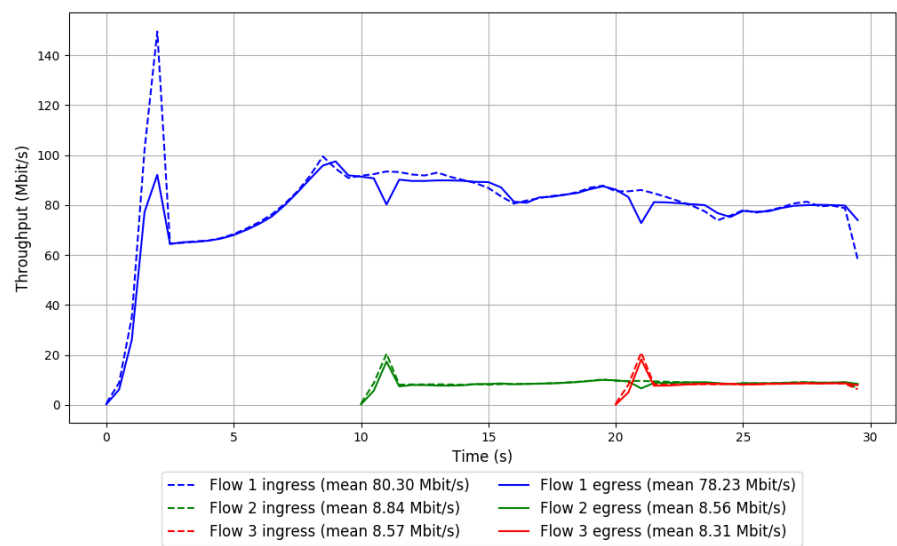
-- Flow 3:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 124.478 ms

Loss rate: 3.10%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-27 20:27:45

End at: 2018-03-27 20:28:15

Local clock offset: -2.537 ms

Remote clock offset: 9.767 ms

Below is generated by plot.py at 2018-03-27 22:48:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 130.014 ms

Loss rate: 2.28%

-- Flow 1:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 129.978 ms

Loss rate: 2.25%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 130.515 ms

Loss rate: 2.02%

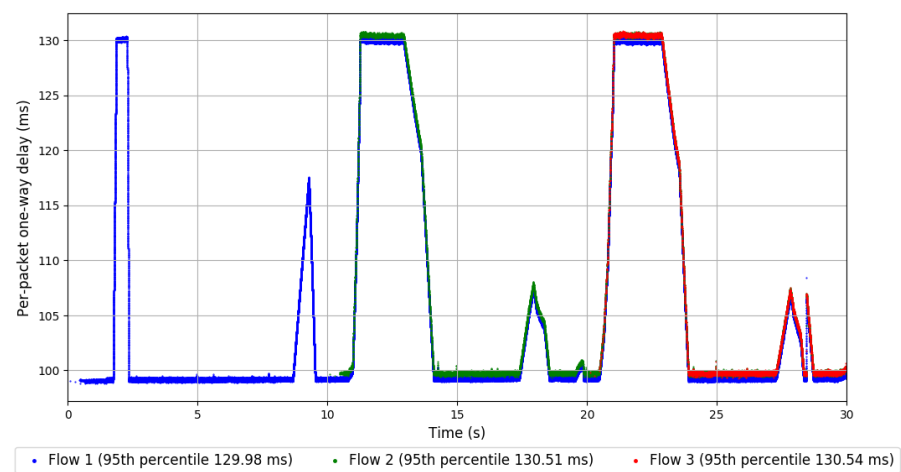
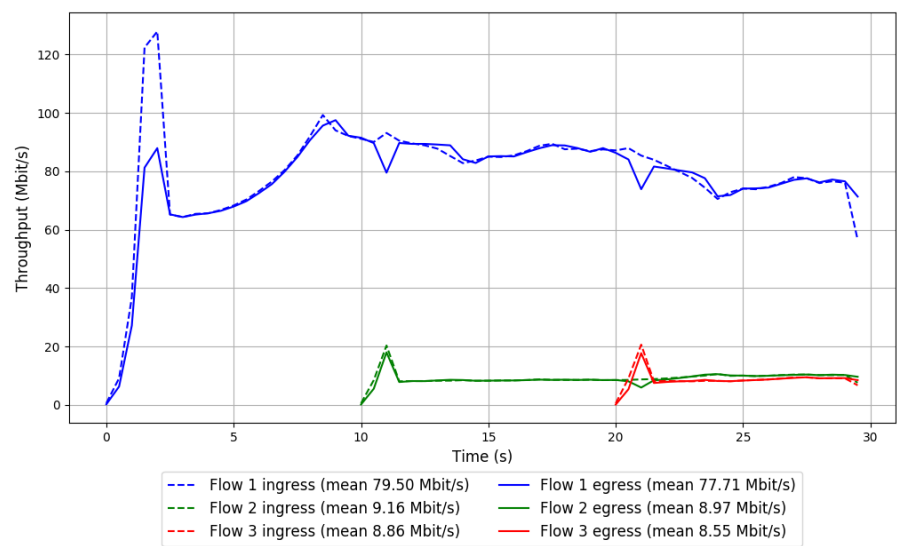
-- Flow 3:

Average throughput: 8.55 Mbit/s

95th percentile per-packet one-way delay: 130.538 ms

Loss rate: 3.46%

Run 6: Report of PCC — Data Link

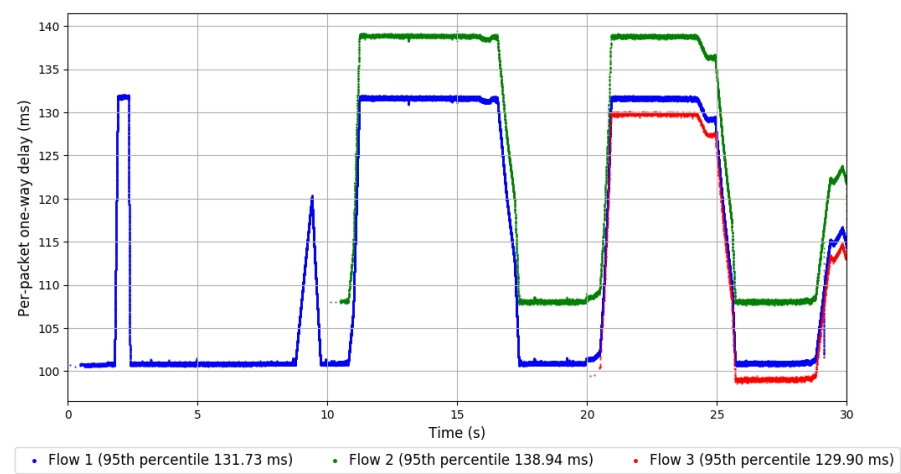
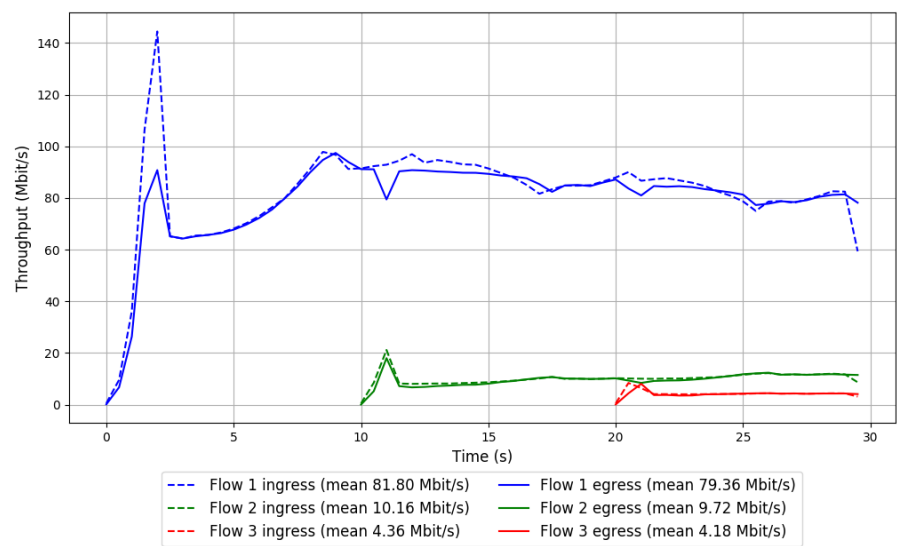


Run 7: Statistics of PCC

Start at: 2018-03-27 20:51:55
End at: 2018-03-27 20:52:25
Local clock offset: -4.402 ms
Remote clock offset: 10.727 ms

Below is generated by plot.py at 2018-03-27 22:48:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 131.790 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 131.731 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 138.938 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 129.901 ms
Loss rate: 4.02%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-27 21:16:20

End at: 2018-03-27 21:16:50

Local clock offset: -5.665 ms

Remote clock offset: 9.235 ms

Below is generated by plot.py at 2018-03-27 22:48:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.92 Mbit/s

95th percentile per-packet one-way delay: 131.247 ms

Loss rate: 3.34%

-- Flow 1:

Average throughput: 79.07 Mbit/s

95th percentile per-packet one-way delay: 131.179 ms

Loss rate: 3.13%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 133.081 ms

Loss rate: 5.38%

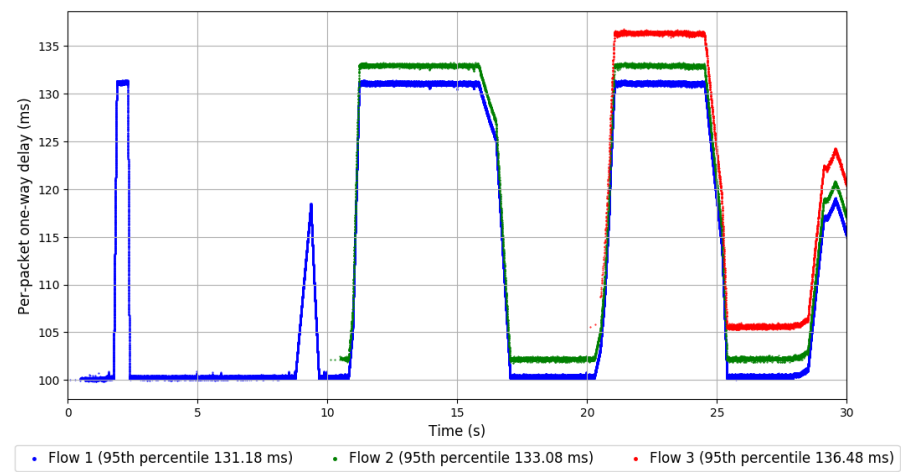
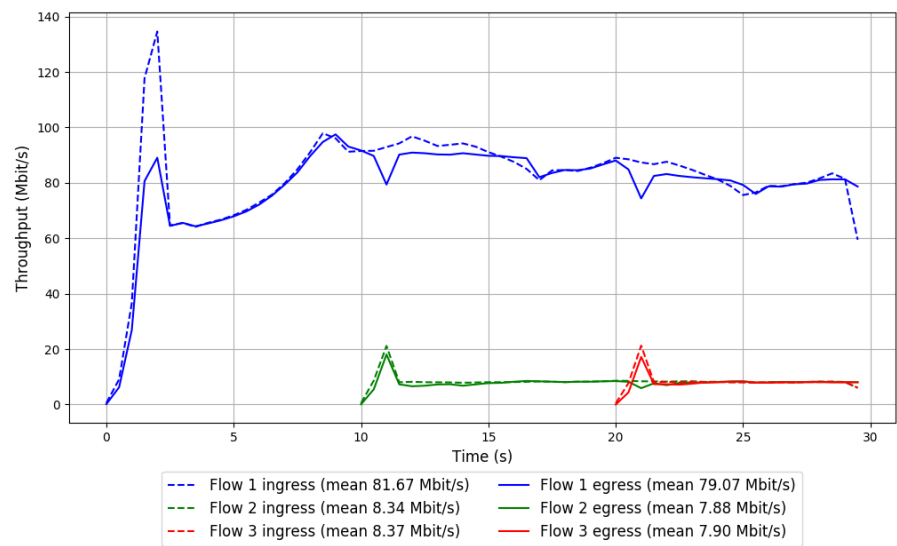
-- Flow 3:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 136.477 ms

Loss rate: 5.52%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-27 21:40:30

End at: 2018-03-27 21:41:00

Local clock offset: -7.826 ms

Remote clock offset: 6.023 ms

Below is generated by plot.py at 2018-03-27 22:49:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 131.218 ms

Loss rate: 4.31%

-- Flow 1:

Average throughput: 74.67 Mbit/s

95th percentile per-packet one-way delay: 131.206 ms

Loss rate: 3.97%

-- Flow 2:

Average throughput: 13.85 Mbit/s

95th percentile per-packet one-way delay: 129.517 ms

Loss rate: 6.76%

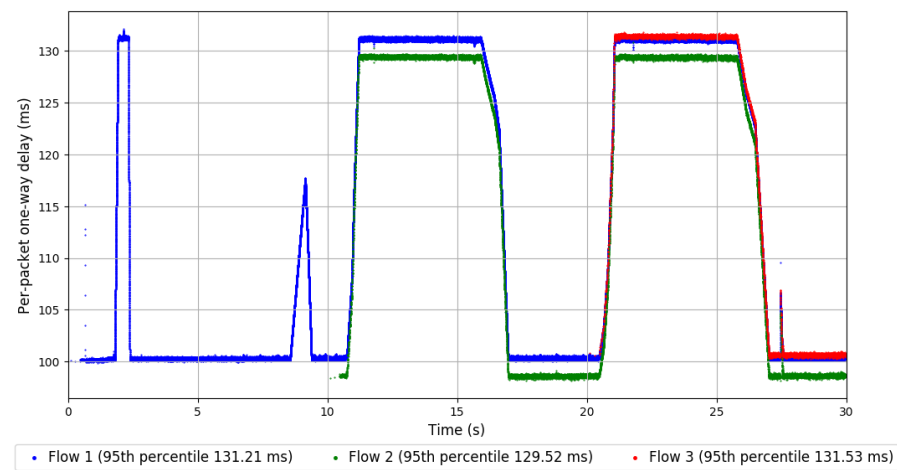
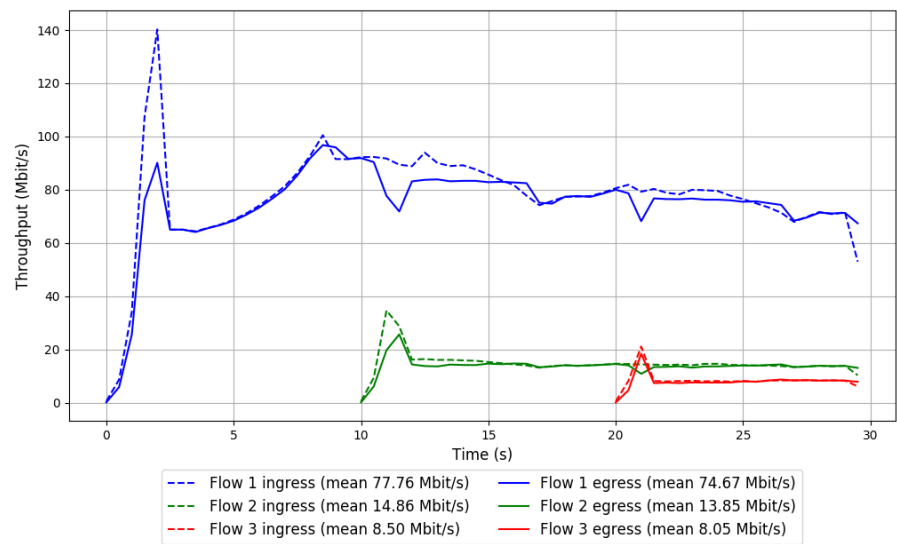
-- Flow 3:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 131.531 ms

Loss rate: 5.25%

Run 9: Report of PCC — Data Link

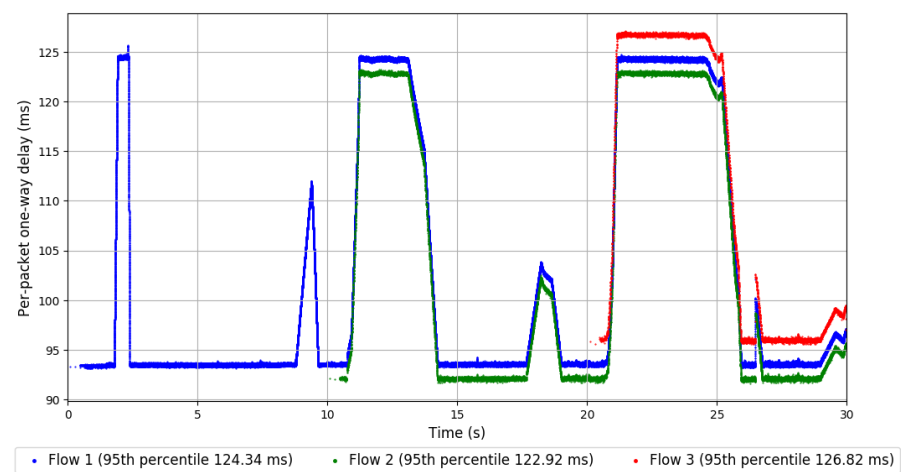
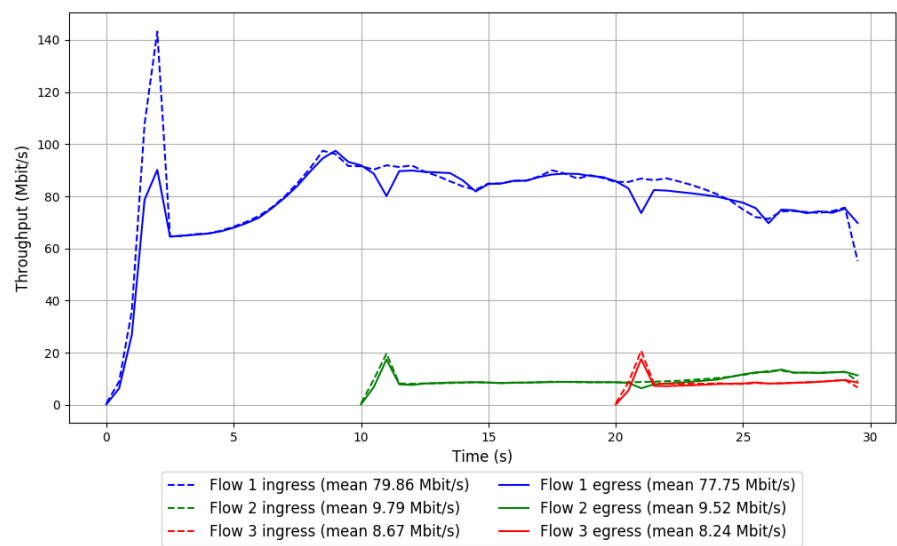


Run 10: Statistics of PCC

Start at: 2018-03-27 22:05:01
End at: 2018-03-27 22:05:31
Local clock offset: -4.209 ms
Remote clock offset: 13.355 ms

Below is generated by plot.py at 2018-03-27 22:49:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 124.354 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 124.337 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 122.921 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 126.819 ms
Loss rate: 4.99%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 18:17:36

End at: 2018-03-27 18:18:06

Local clock offset: -3.435 ms

Remote clock offset: 8.513 ms

Below is generated by plot.py at 2018-03-27 22:49:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 131.970 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 131.933 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 23.49 Mbit/s

95th percentile per-packet one-way delay: 132.786 ms

Loss rate: 0.86%

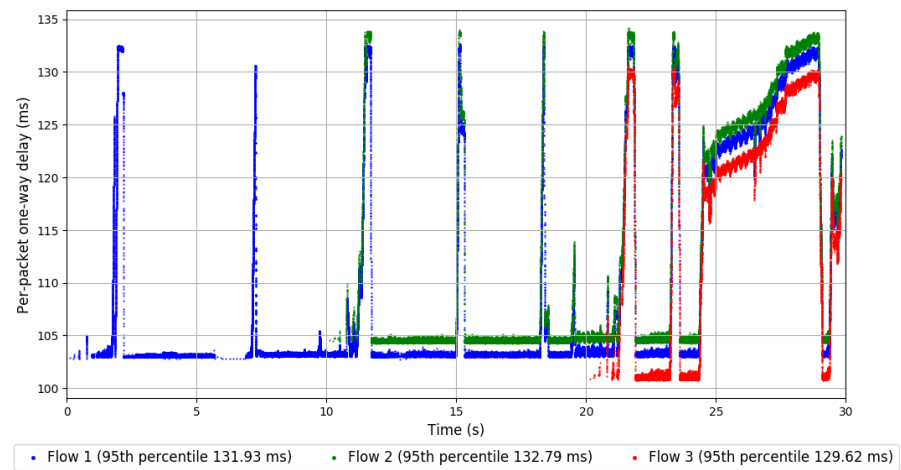
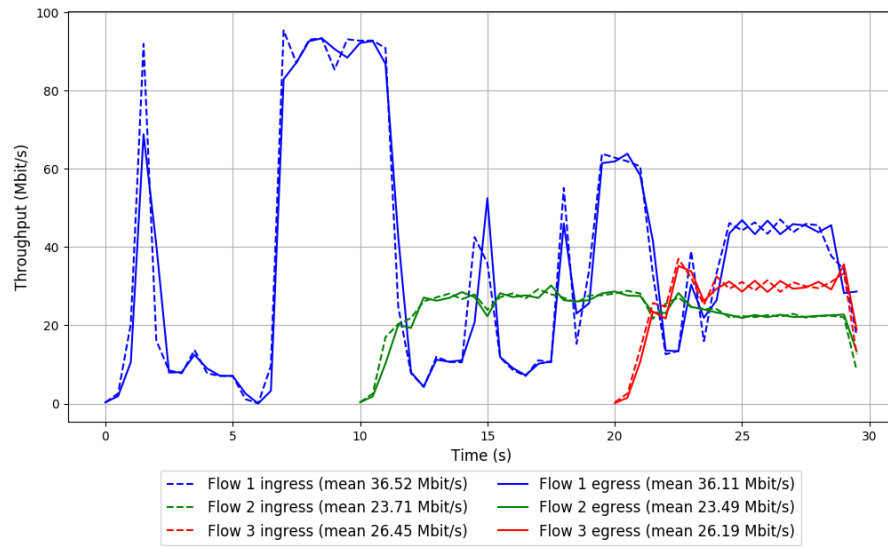
-- Flow 3:

Average throughput: 26.19 Mbit/s

95th percentile per-packet one-way delay: 129.622 ms

Loss rate: 0.80%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 18:41:50

End at: 2018-03-27 18:42:20

Local clock offset: -6.761 ms

Remote clock offset: 7.155 ms

Below is generated by plot.py at 2018-03-27 22:49:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 123.371 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 125.060 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 18.12 Mbit/s

95th percentile per-packet one-way delay: 121.167 ms

Loss rate: 0.32%

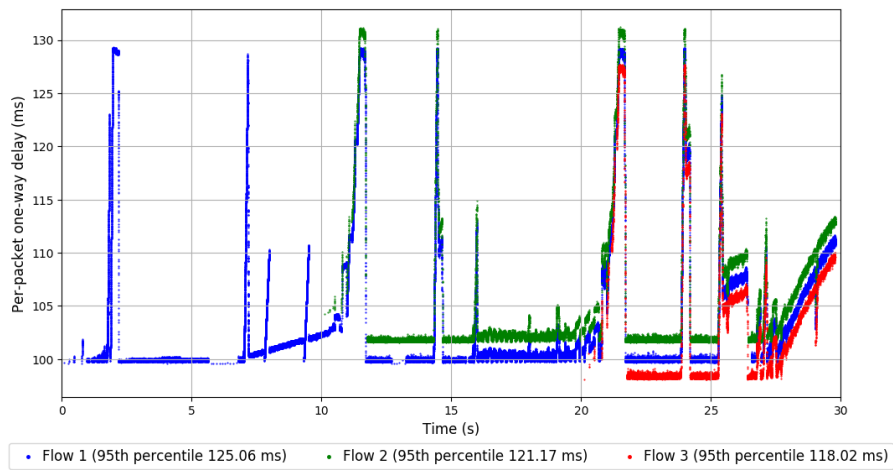
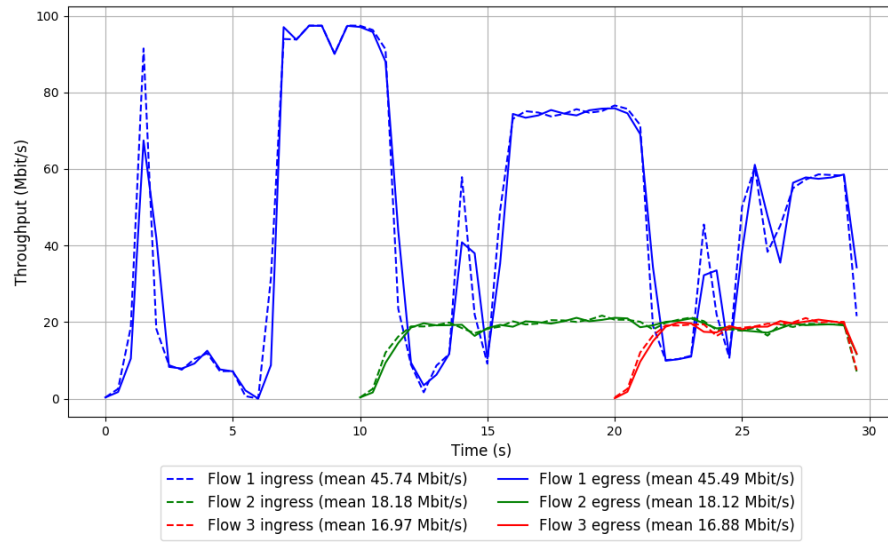
-- Flow 3:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 118.017 ms

Loss rate: 0.40%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 19:05:59

End at: 2018-03-27 19:06:29

Local clock offset: -6.548 ms

Remote clock offset: 9.137 ms

Below is generated by plot.py at 2018-03-27 22:49:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.07 Mbit/s

95th percentile per-packet one-way delay: 130.208 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 126.413 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 130.435 ms

Loss rate: 0.47%

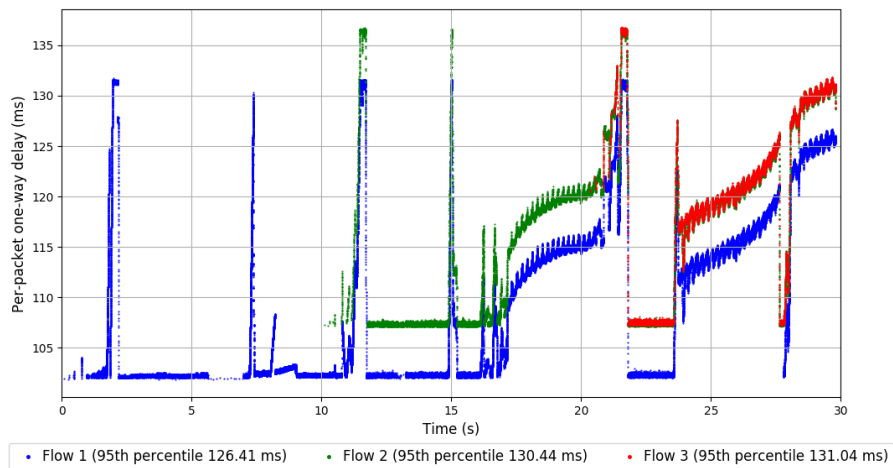
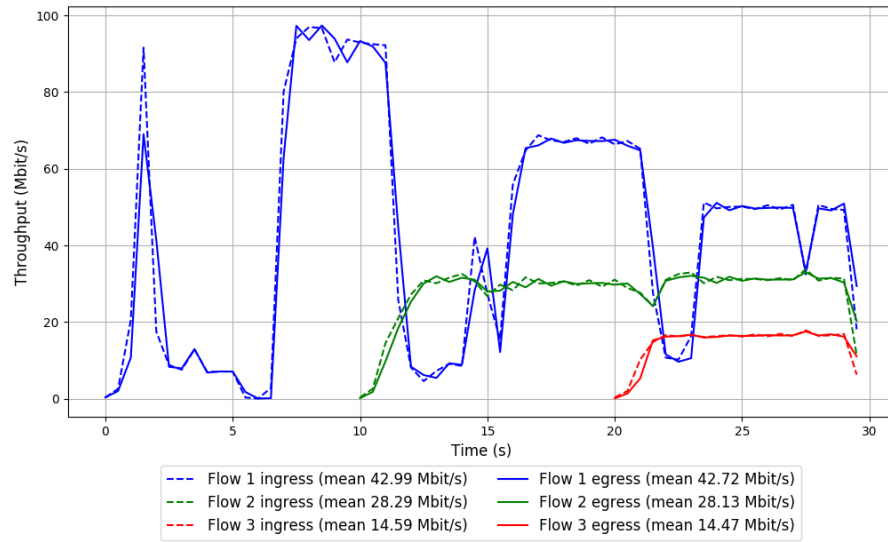
-- Flow 3:

Average throughput: 14.47 Mbit/s

95th percentile per-packet one-way delay: 131.038 ms

Loss rate: 0.74%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 19:30:20

End at: 2018-03-27 19:30:50

Local clock offset: -5.881 ms

Remote clock offset: 7.909 ms

Below is generated by plot.py at 2018-03-27 22:49:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 129.589 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 129.755 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 27.61 Mbit/s

95th percentile per-packet one-way delay: 127.200 ms

Loss rate: 0.65%

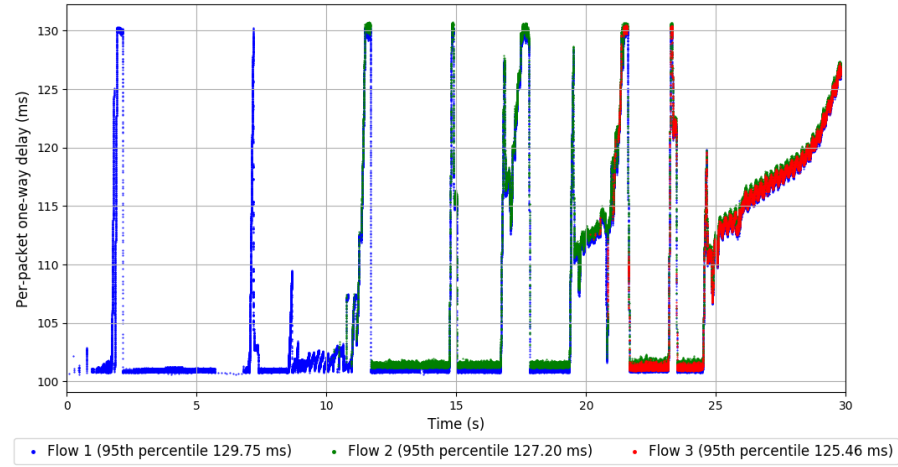
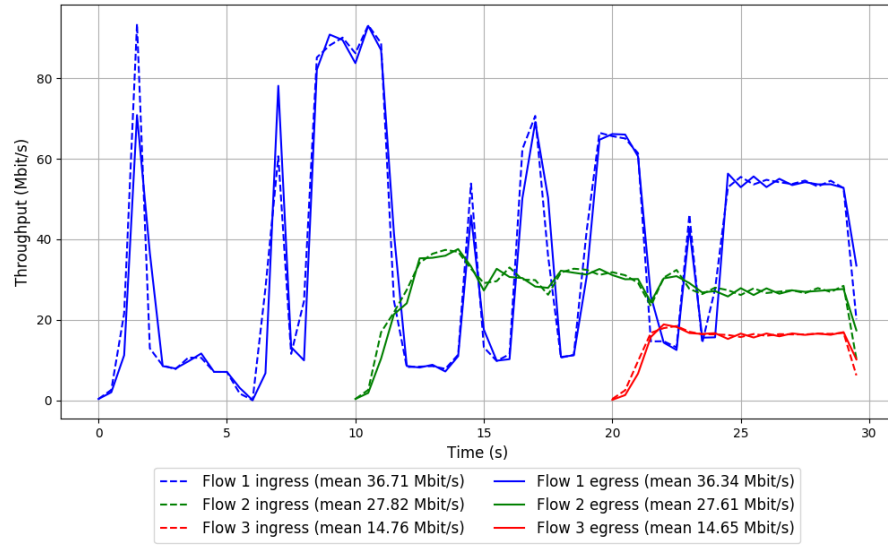
-- Flow 3:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 125.458 ms

Loss rate: 0.59%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 19:54:32

End at: 2018-03-27 19:55:02

Local clock offset: -1.515 ms

Remote clock offset: 3.216 ms

Below is generated by plot.py at 2018-03-27 22:49:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 122.460 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 43.70 Mbit/s

95th percentile per-packet one-way delay: 125.007 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 17.68 Mbit/s

95th percentile per-packet one-way delay: 118.416 ms

Loss rate: 0.32%

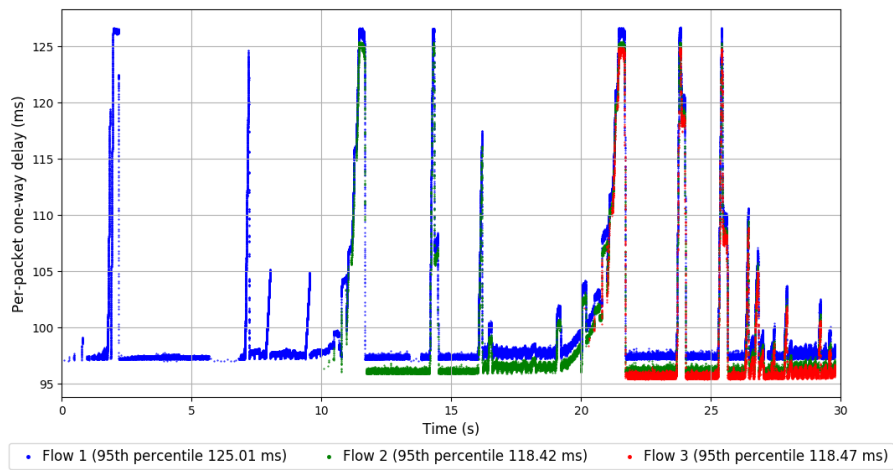
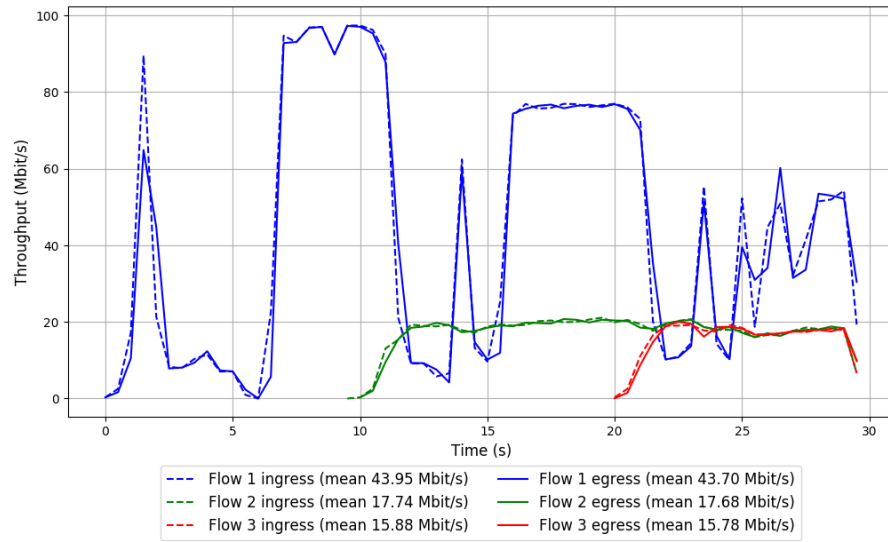
-- Flow 3:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 118.465 ms

Loss rate: 0.66%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 20:18:39

End at: 2018-03-27 20:19:09

Local clock offset: -2.292 ms

Remote clock offset: 9.371 ms

Below is generated by plot.py at 2018-03-27 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.68 Mbit/s

95th percentile per-packet one-way delay: 122.039 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 124.554 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 116.083 ms

Loss rate: 0.40%

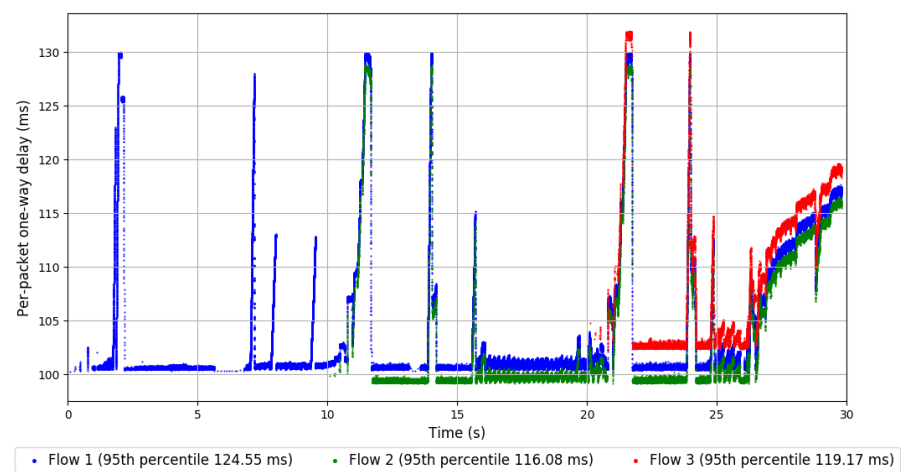
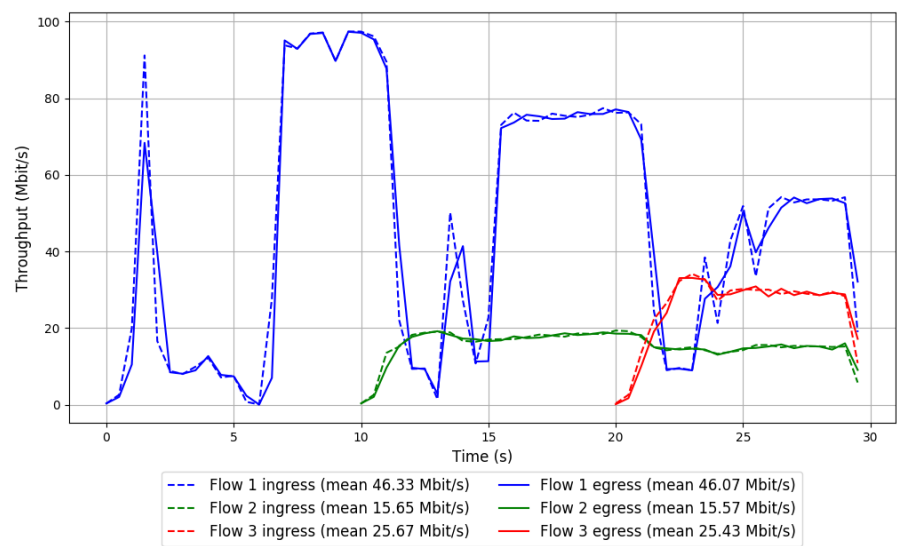
-- Flow 3:

Average throughput: 25.43 Mbit/s

95th percentile per-packet one-way delay: 119.172 ms

Loss rate: 0.78%

Run 6: Report of QUIC Cubic — Data Link

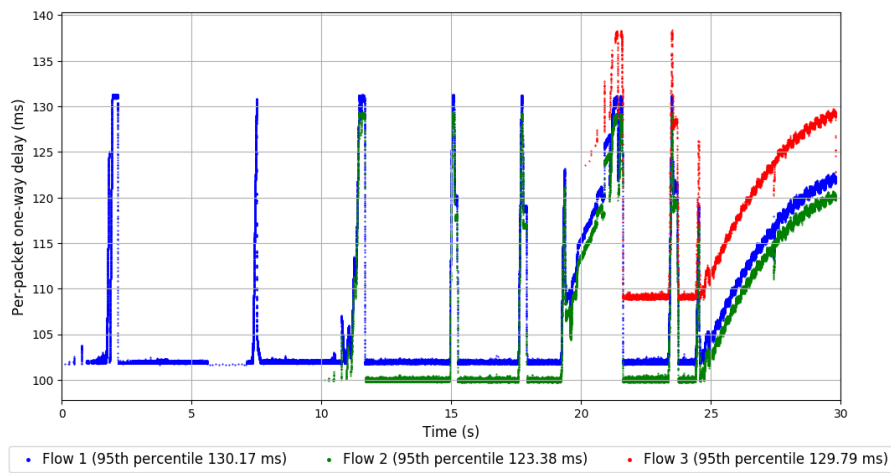
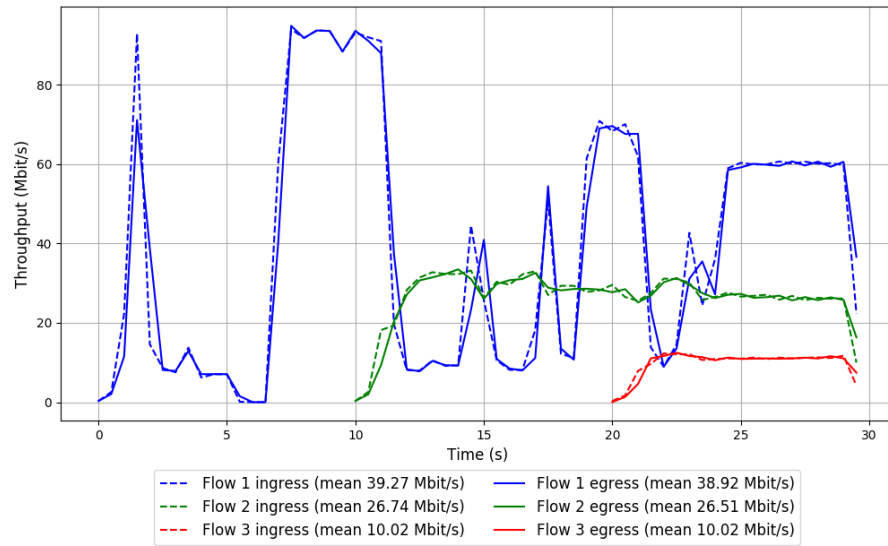


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 20:42:48
End at: 2018-03-27 20:43:18
Local clock offset: -2.86 ms
Remote clock offset: 11.463 ms

Below is generated by plot.py at 2018-03-27 22:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 128.810 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 130.171 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 26.51 Mbit/s
95th percentile per-packet one-way delay: 123.381 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 129.789 ms
Loss rate: 0.11%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 21:07:01

End at: 2018-03-27 21:07:31

Local clock offset: -5.198 ms

Remote clock offset: 5.065 ms

Below is generated by plot.py at 2018-03-27 22:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.61 Mbit/s

95th percentile per-packet one-way delay: 119.777 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 45.23 Mbit/s

95th percentile per-packet one-way delay: 119.679 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 119.054 ms

Loss rate: 0.24%

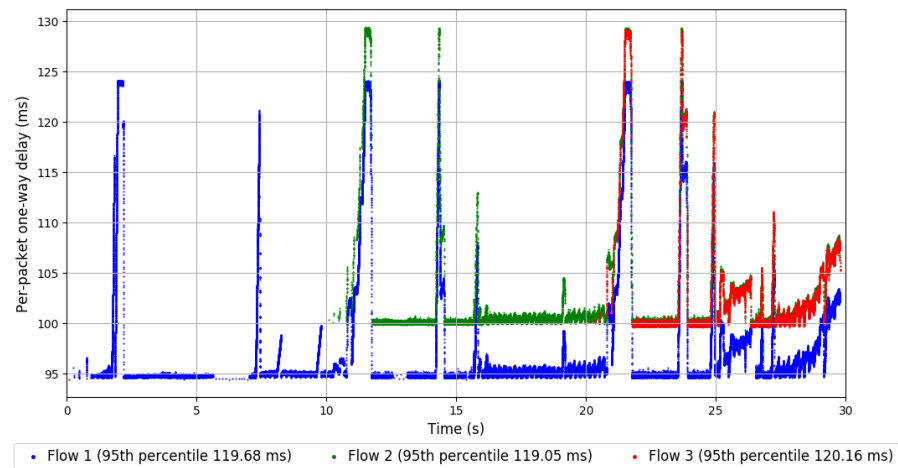
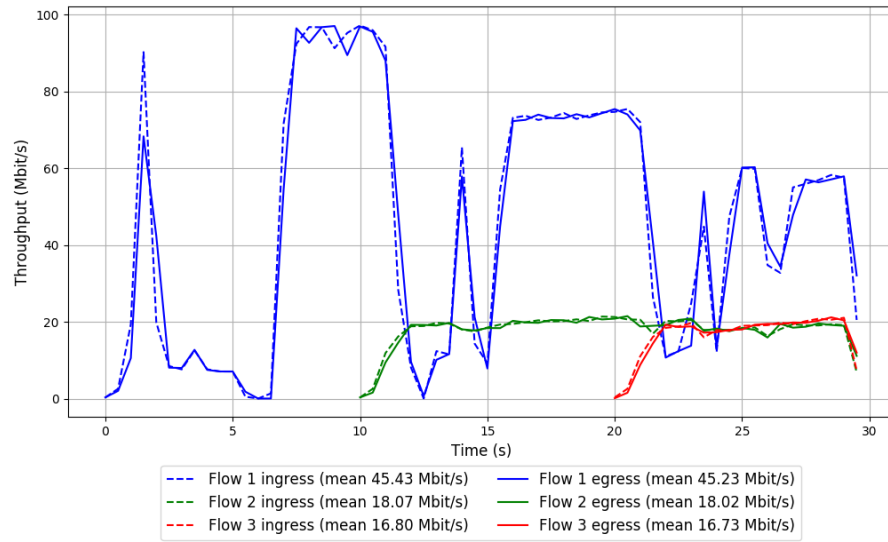
-- Flow 3:

Average throughput: 16.73 Mbit/s

95th percentile per-packet one-way delay: 120.162 ms

Loss rate: 0.36%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 21:31:21

End at: 2018-03-27 21:31:51

Local clock offset: -7.359 ms

Remote clock offset: 1.939 ms

Below is generated by plot.py at 2018-03-27 22:50:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 120.282 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 43.80 Mbit/s

95th percentile per-packet one-way delay: 121.383 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 118.134 ms

Loss rate: 0.46%

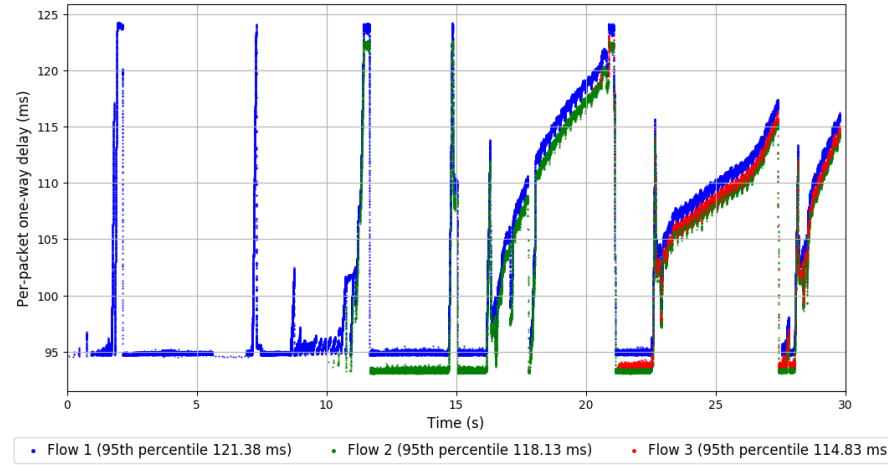
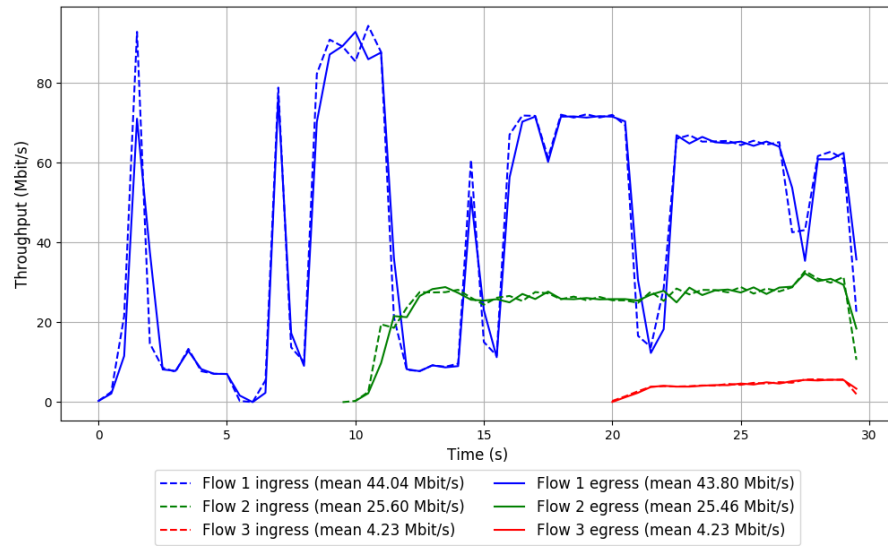
-- Flow 3:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 114.828 ms

Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 21:55:51

End at: 2018-03-27 21:56:21

Local clock offset: -5.778 ms

Remote clock offset: 9.165 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.42 Mbit/s

95th percentile per-packet one-way delay: 119.464 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 45.33 Mbit/s

95th percentile per-packet one-way delay: 123.650 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 111.908 ms

Loss rate: 0.31%

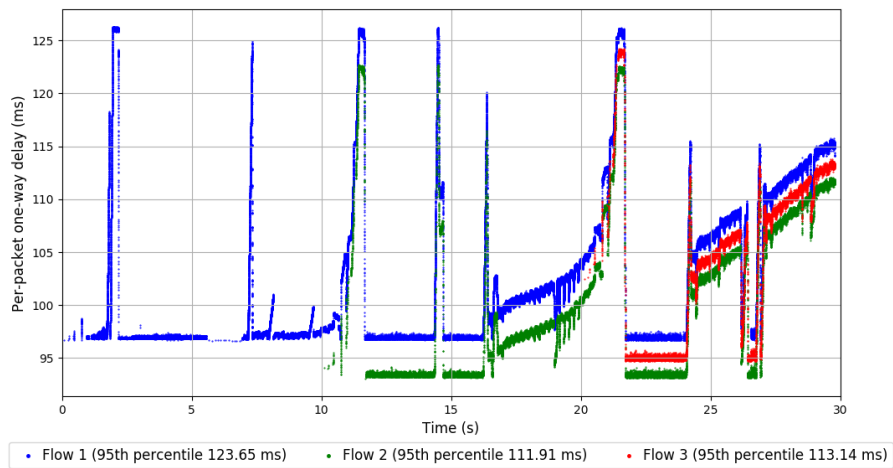
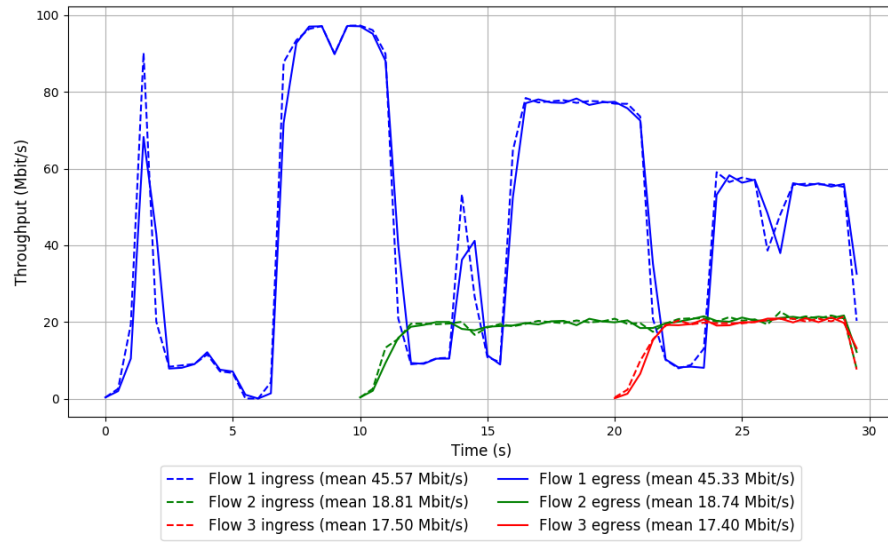
-- Flow 3:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 113.145 ms

Loss rate: 0.45%

Run 10: Report of QUIC Cubic — Data Link

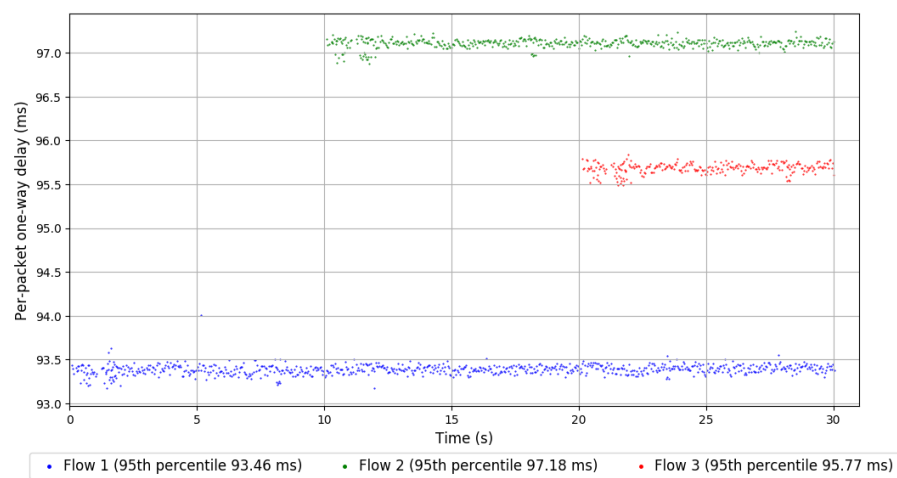
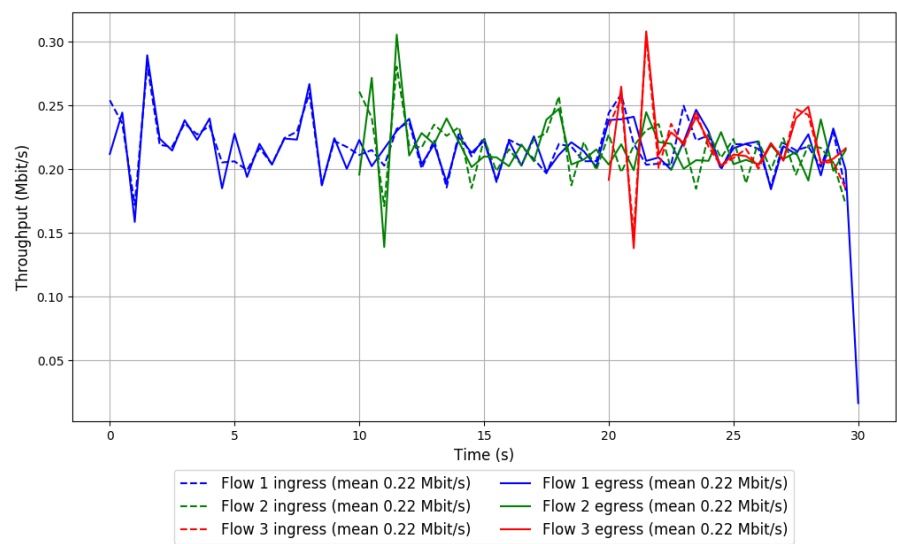


```
Run 1: Statistics of SReAM

Start at: 2018-03-27 18:22:54
End at: 2018-03-27 18:23:24
Local clock offset: -3.22 ms
Remote clock offset: 3.08 ms

# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 97.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.768 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

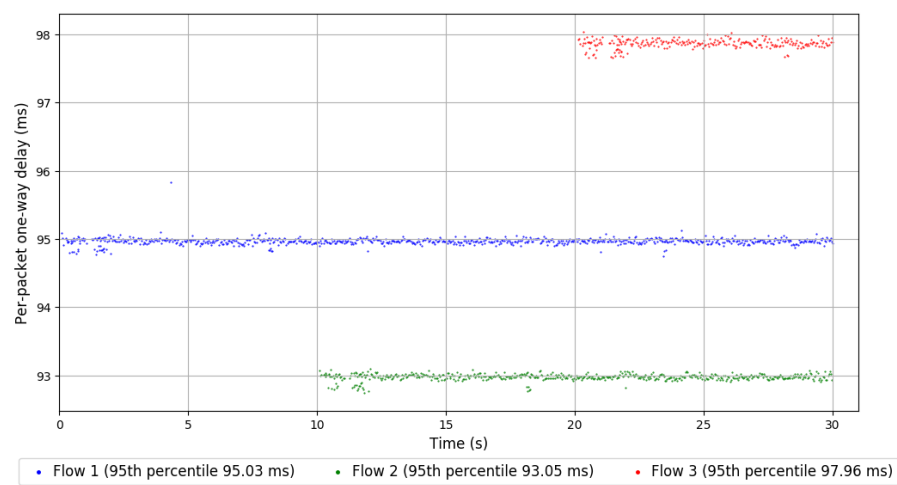
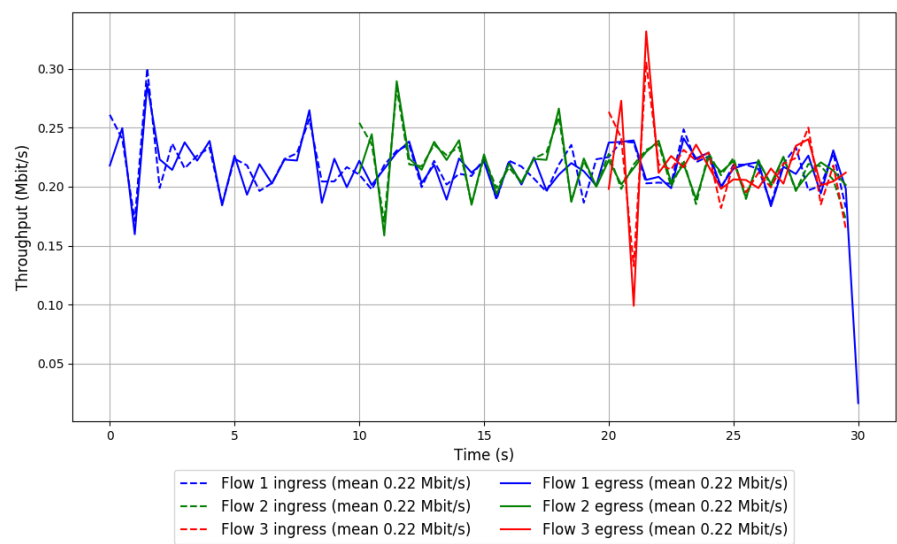


Run 2: Statistics of SReAM

Start at: 2018-03-27 18:47:08
End at: 2018-03-27 18:47:38
Local clock offset: -7.049 ms
Remote clock offset: 1.71 ms

Below is generated by plot.py at 2018-03-27 22:50:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 97.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.960 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

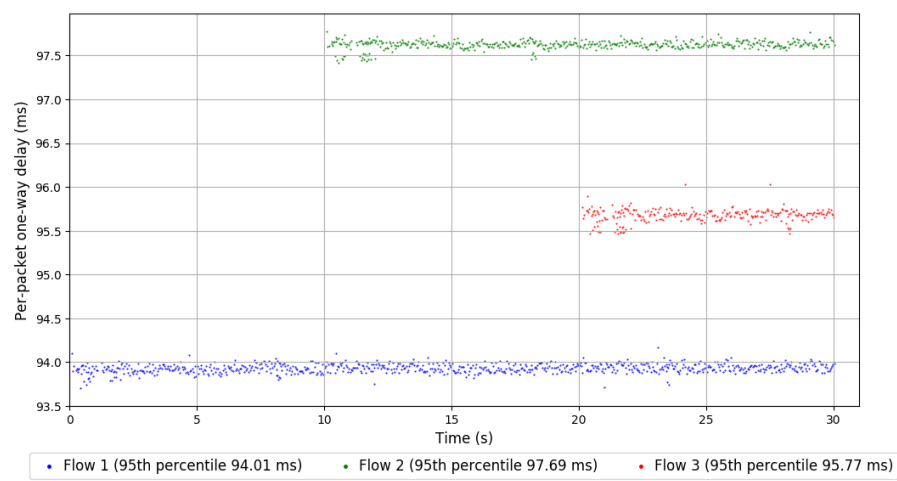
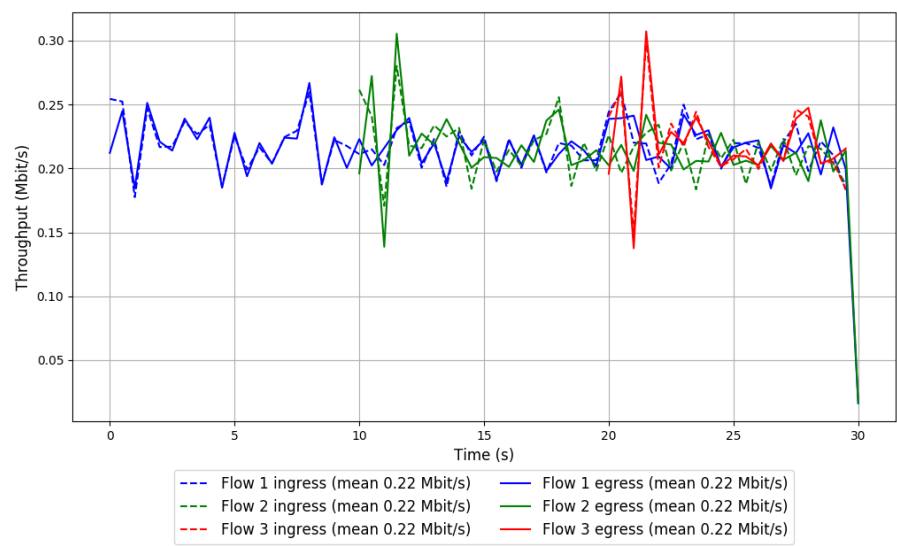


Run 3: Statistics of SReAM

Start at: 2018-03-27 19:11:16
End at: 2018-03-27 19:11:46
Local clock offset: -6.249 ms
Remote clock offset: 2.67 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 97.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.767 ms
Loss rate: 0.00%
```


Run 3: Report of SReAM — Data Link

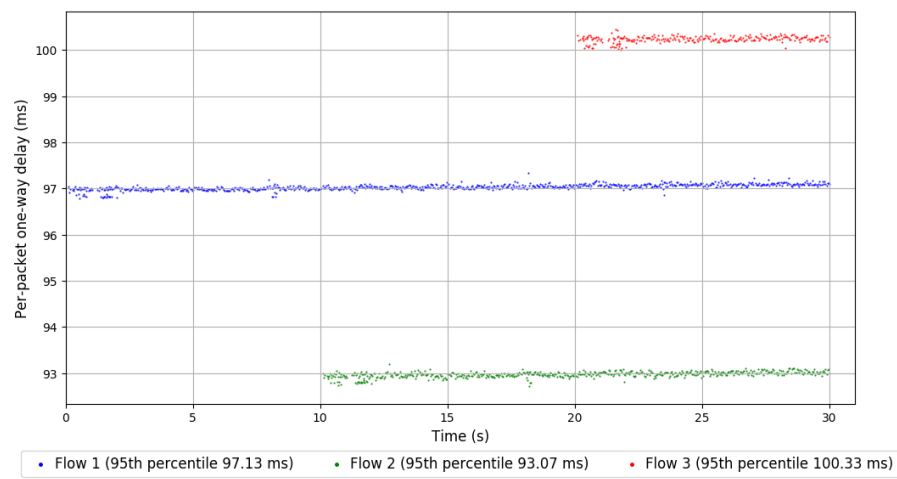
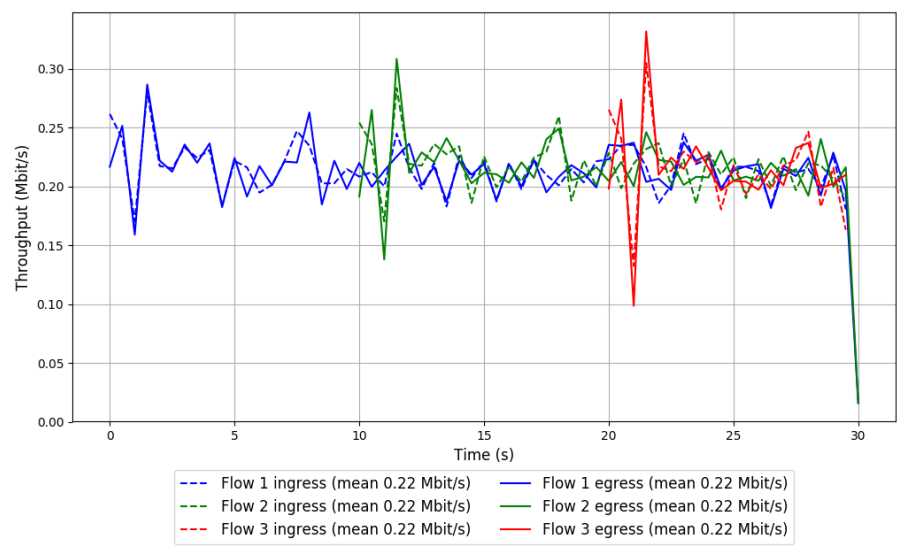


Run 4: Statistics of SReAM

Start at: 2018-03-27 19:35:39
End at: 2018-03-27 19:36:09
Local clock offset: -4.794 ms
Remote clock offset: 1.745 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 100.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.330 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link

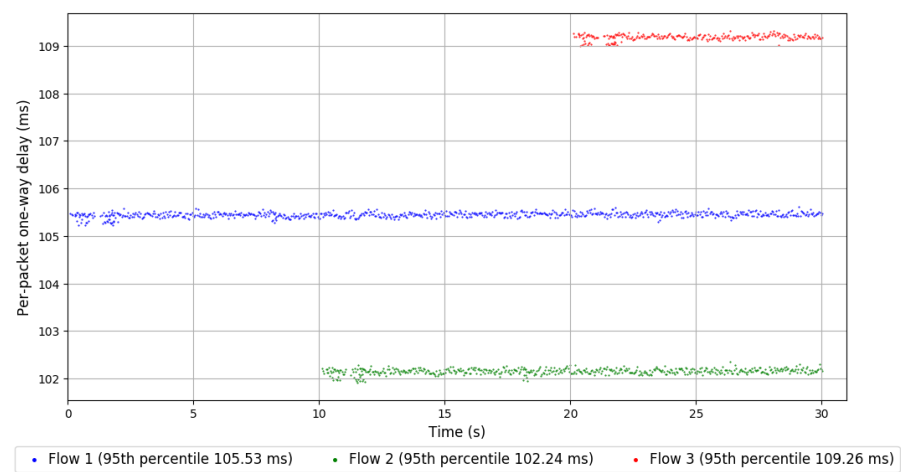
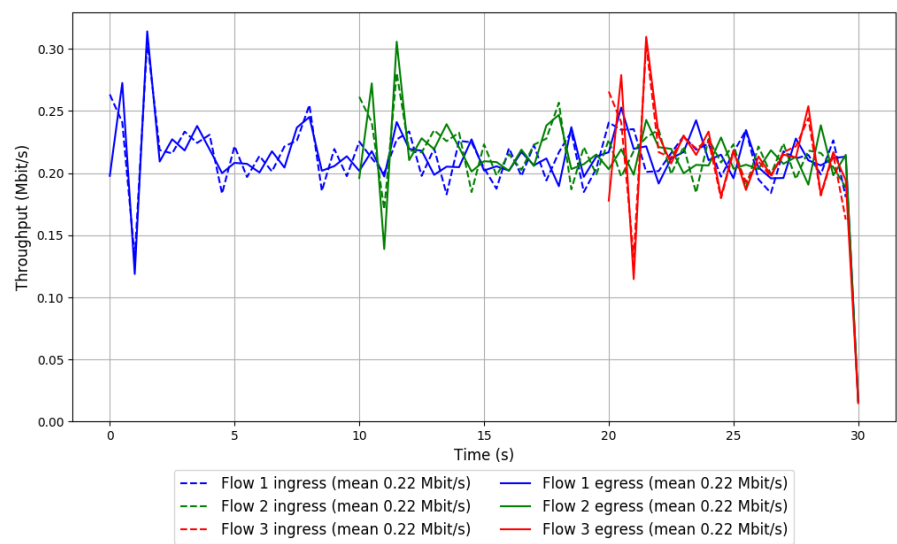


Run 5: Statistics of SReAM

Start at: 2018-03-27 19:59:48
End at: 2018-03-27 20:00:18
Local clock offset: -1.047 ms
Remote clock offset: 9.817 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.260 ms
Loss rate: 0.00%
```

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-03-27 20:23:56

End at: 2018-03-27 20:24:26

Local clock offset: -2.485 ms

Remote clock offset: 3.246 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 97.673 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 94.519 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.937 ms

Loss rate: 0.00%

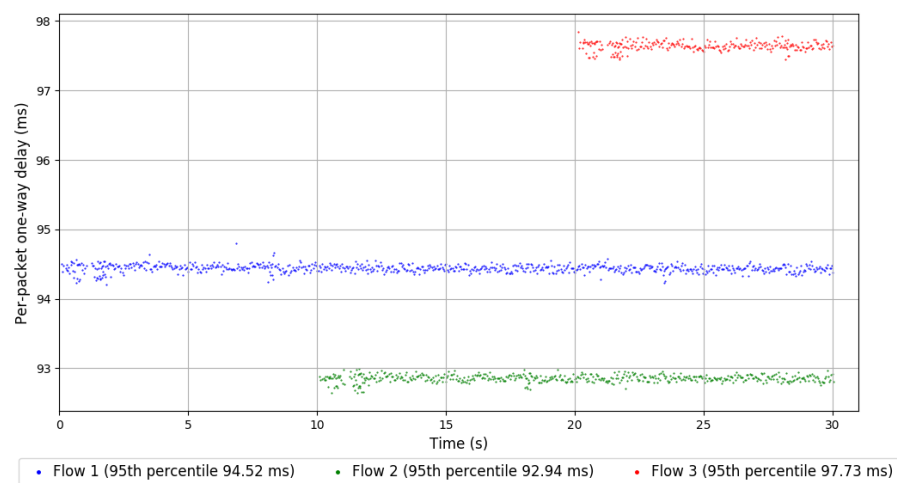
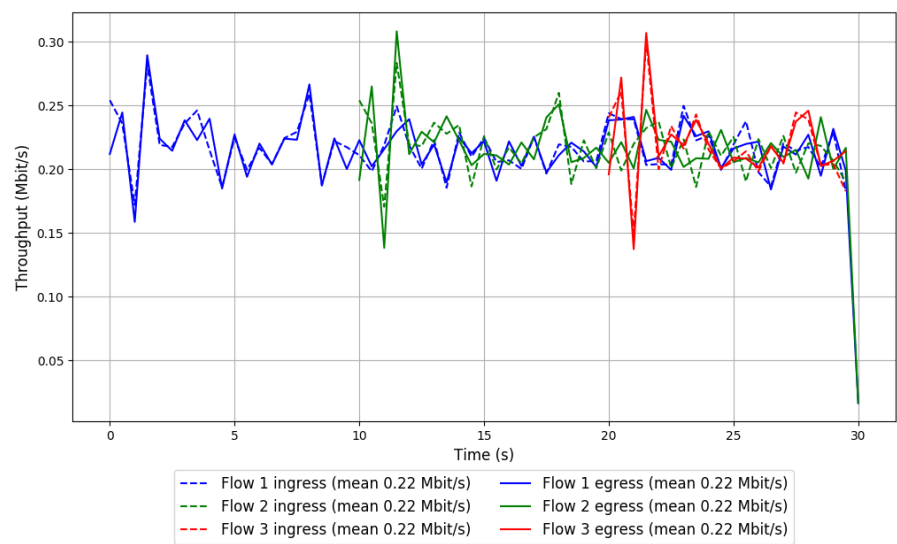
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.731 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

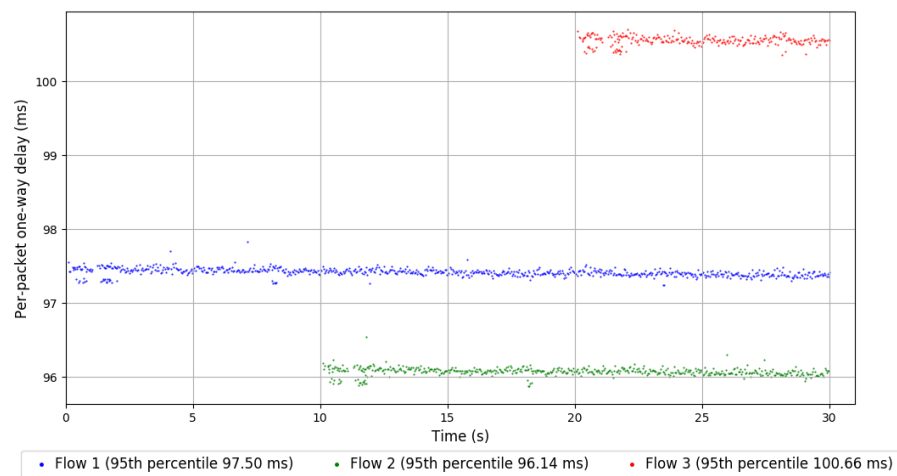
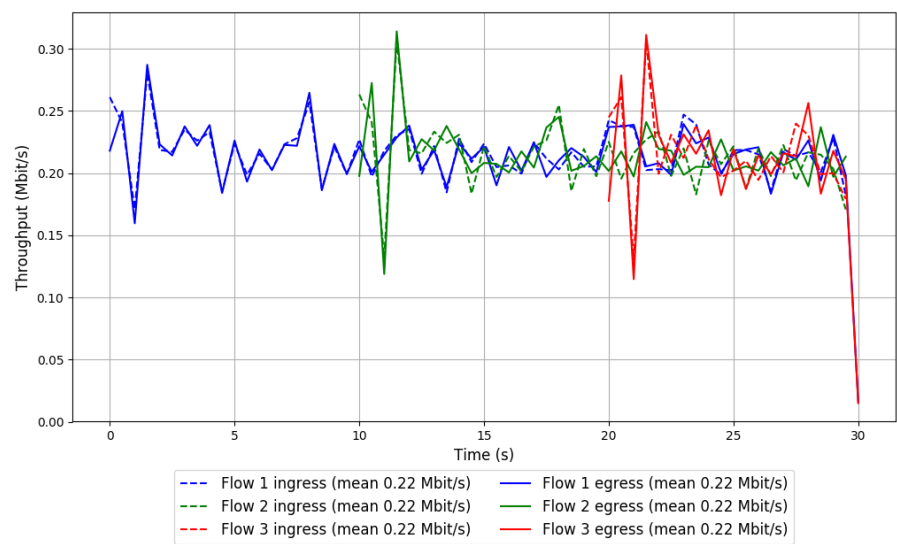


Run 7: Statistics of SReAM

Start at: 2018-03-27 20:48:04
End at: 2018-03-27 20:48:34
Local clock offset: -3.948 ms
Remote clock offset: 5.278 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 100.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.495 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.656 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link

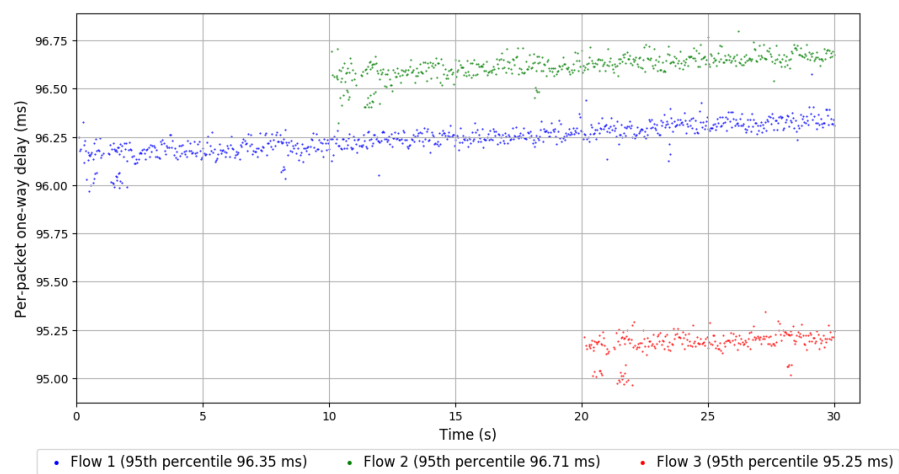
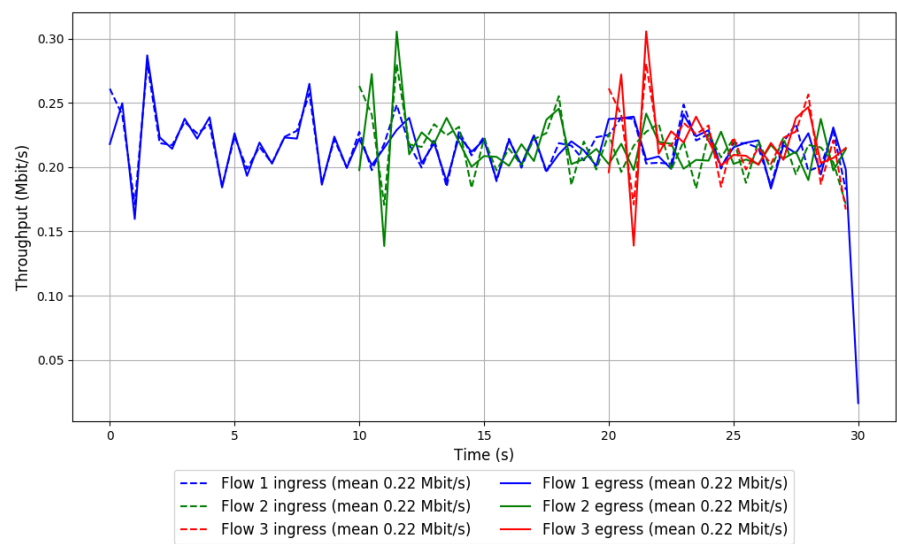


Run 8: Statistics of SReAM

Start at: 2018-03-27 21:12:20
End at: 2018-03-27 21:12:50
Local clock offset: -5.307 ms
Remote clock offset: 5.019 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 96.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.707 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.253 ms
Loss rate: 0.00%
```

Run 8: Report of SCSReAM — Data Link

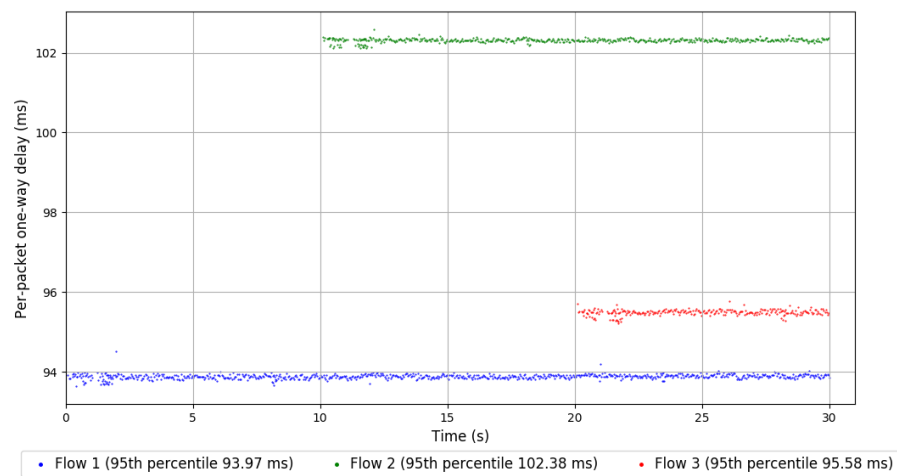
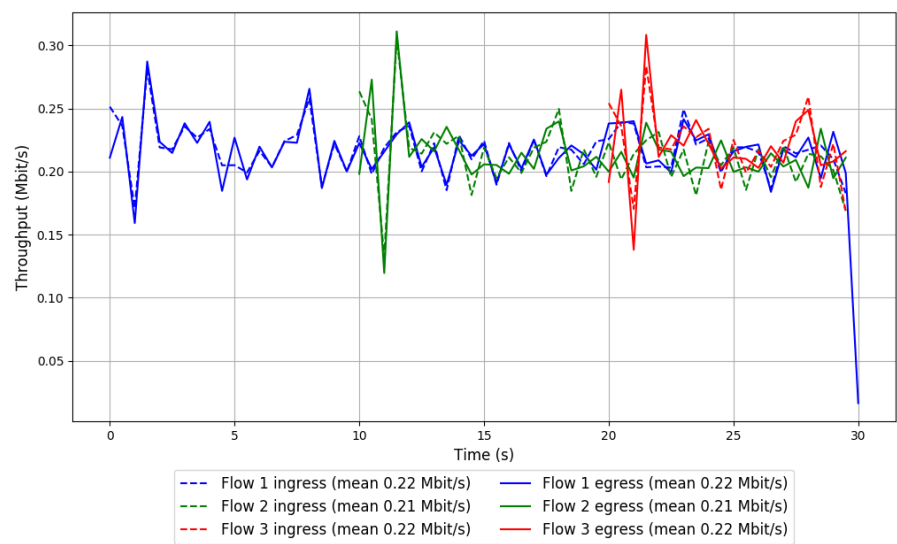


Run 9: Statistics of SReAM

Start at: 2018-03-27 21:36:40
End at: 2018-03-27 21:37:10
Local clock offset: -7.652 ms
Remote clock offset: 1.522 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.966 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.378 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.581 ms
Loss rate: 0.00%
```

Run 9: Report of SReAM — Data Link

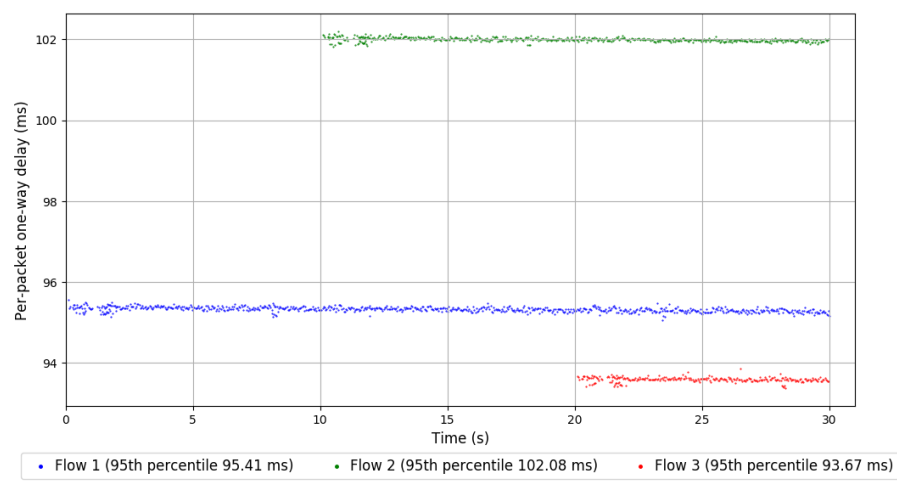
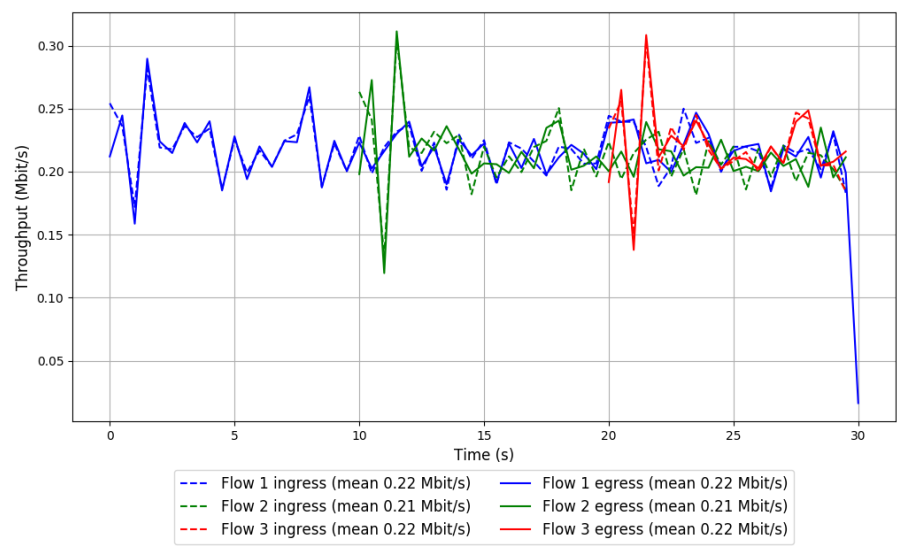


Run 10: Statistics of SReAM

Start at: 2018-03-27 22:01:11
End at: 2018-03-27 22:01:41
Local clock offset: -4.727 ms
Remote clock offset: 11.976 ms

Below is generated by plot.py at 2018-03-27 22:50:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.046 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.075 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.665 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-03-27 18:21:40

End at: 2018-03-27 18:22:10

Local clock offset: -3.322 ms

Remote clock offset: 2.259 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 101.566 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 98.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.707 ms

Loss rate: 0.00%

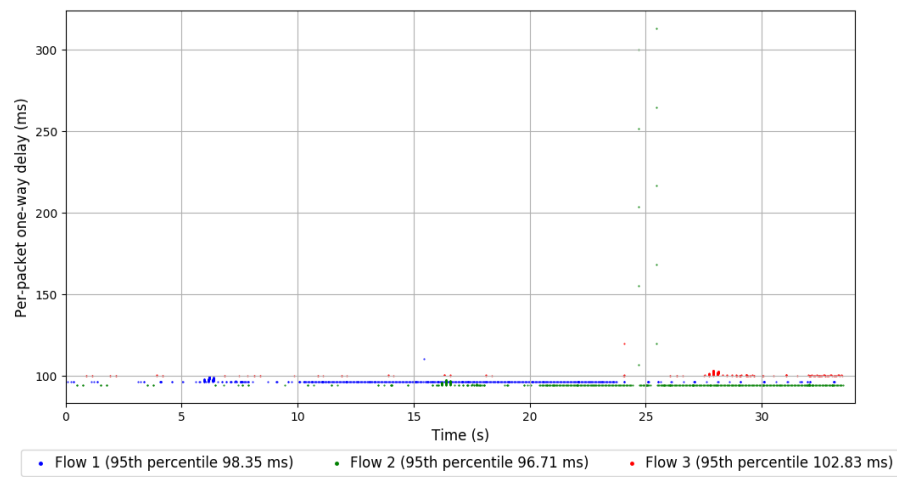
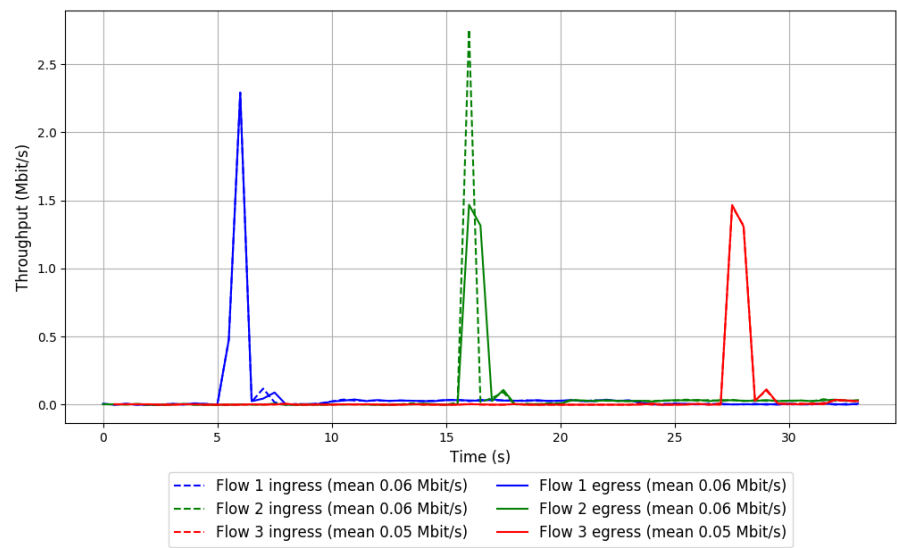
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 102.830 ms

Loss rate: 0.08%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-27 18:45:54

End at: 2018-03-27 18:46:24

Local clock offset: -6.953 ms

Remote clock offset: 1.693 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 102.695 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 95.229 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 101.714 ms

Loss rate: 0.00%

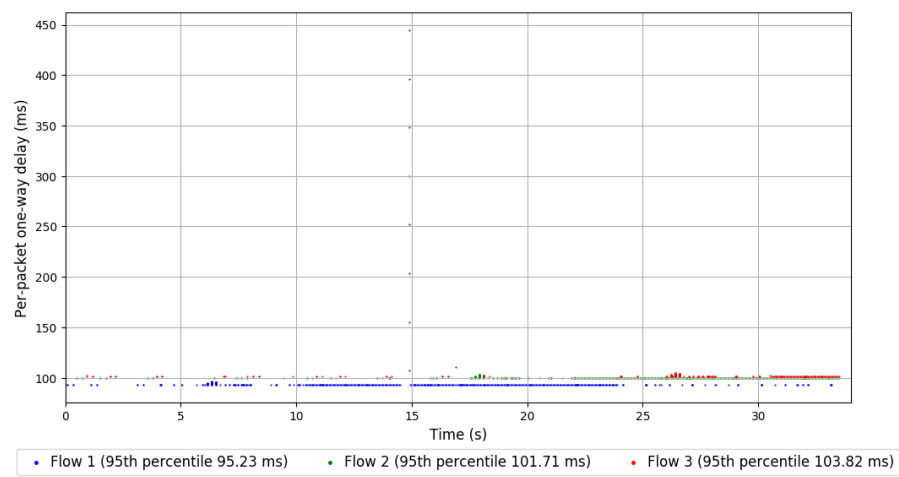
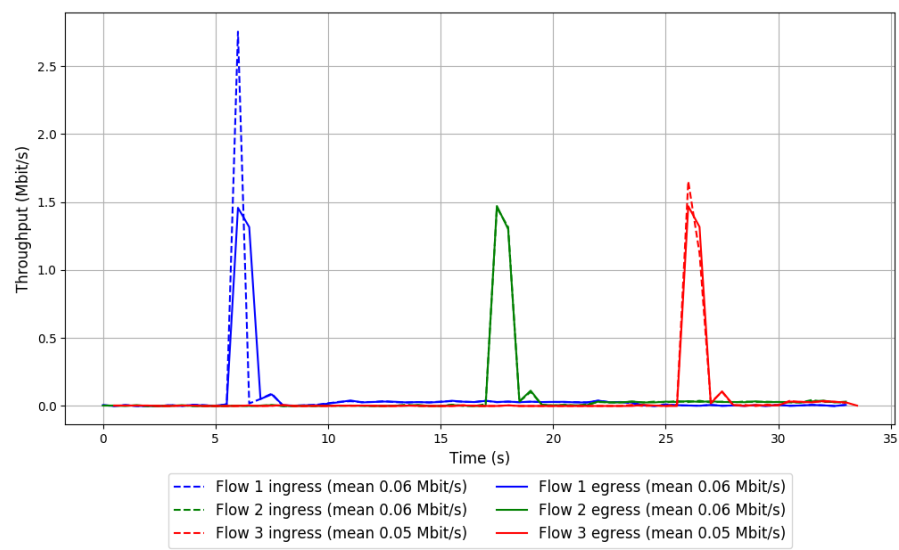
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 103.817 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-27 19:10:01

End at: 2018-03-27 19:10:31

Local clock offset: -6.275 ms

Remote clock offset: 1.763 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 102.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 95.038 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.798 ms

Loss rate: 0.00%

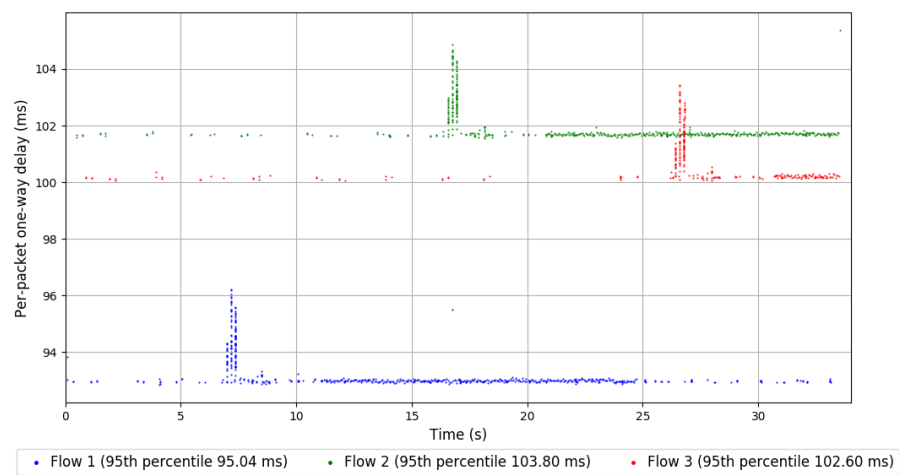
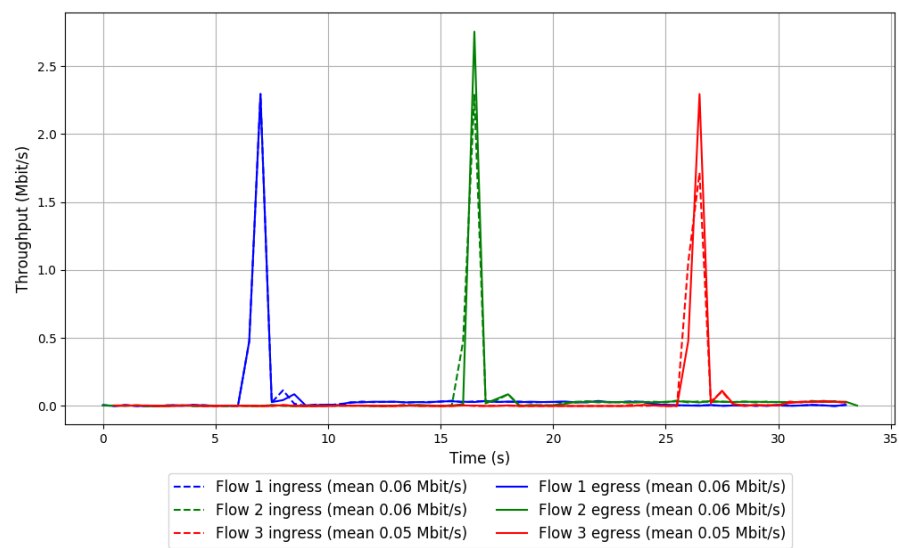
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 102.600 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-27 19:34:25

End at: 2018-03-27 19:34:55

Local clock offset: -5.171 ms

Remote clock offset: 8.098 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 107.653 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.002 ms

Loss rate: 0.00%

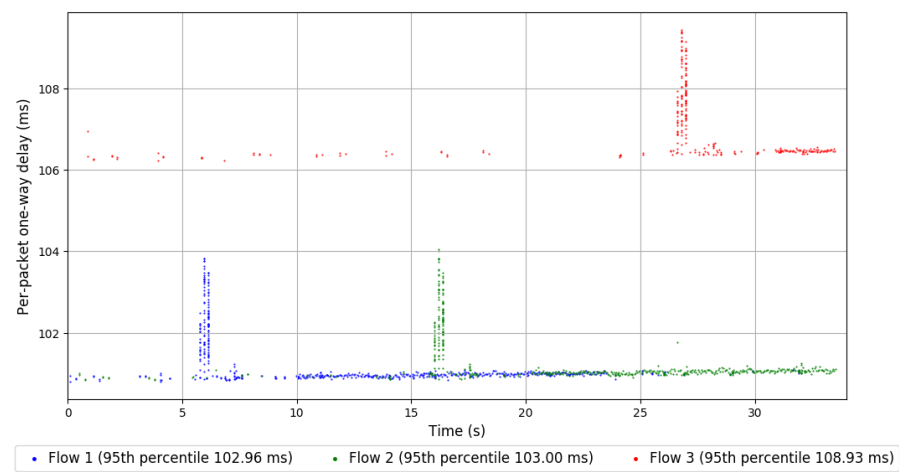
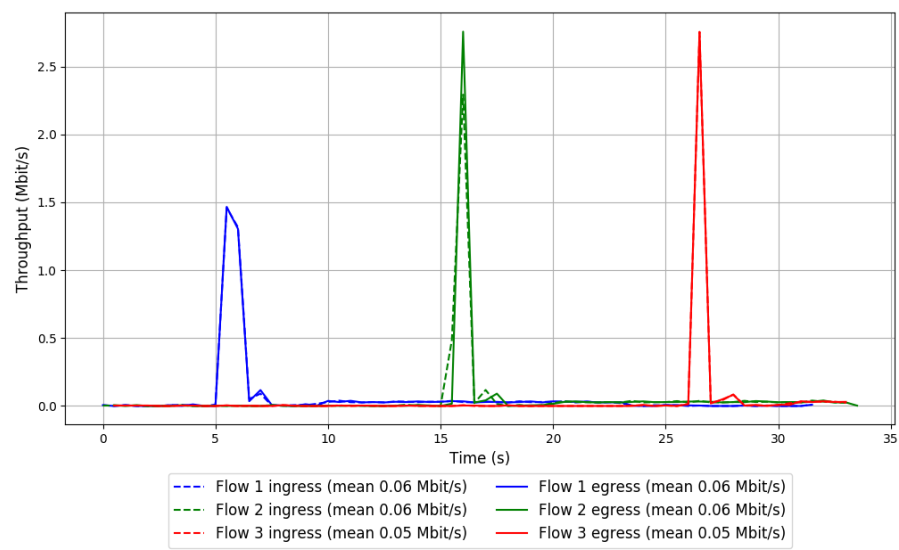
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 108.927 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-27 19:58:34

End at: 2018-03-27 19:59:04

Local clock offset: -1.148 ms

Remote clock offset: 8.768 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 109.080 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 106.355 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 101.134 ms

Loss rate: 0.00%

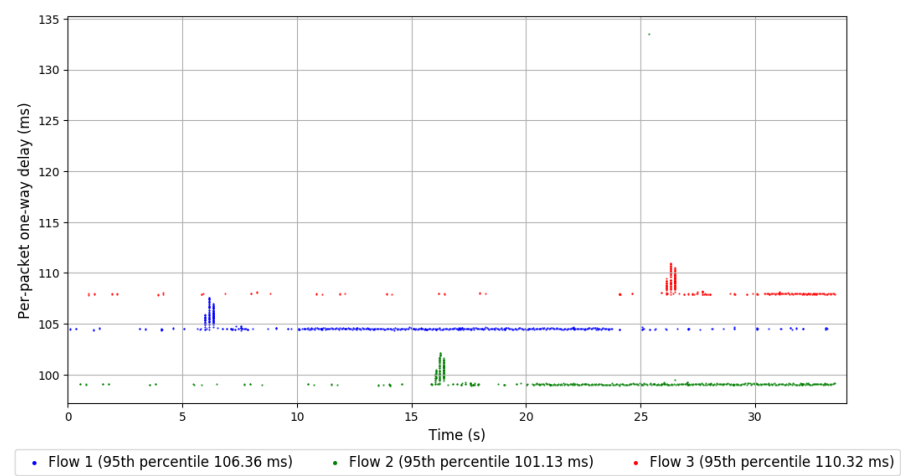
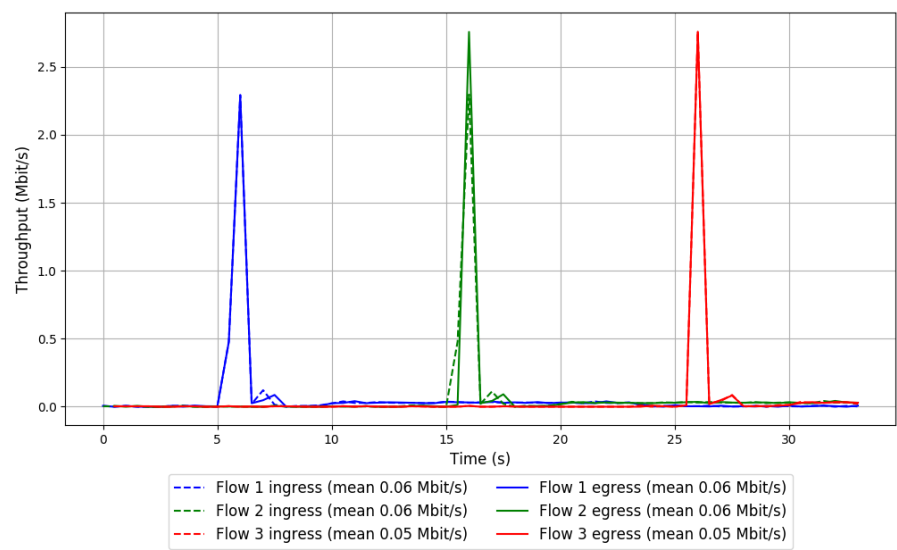
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 110.323 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-27 20:22:42

End at: 2018-03-27 20:23:12

Local clock offset: -2.523 ms

Remote clock offset: 3.206 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 96.177 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.702 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 94.668 ms

Loss rate: 0.00%

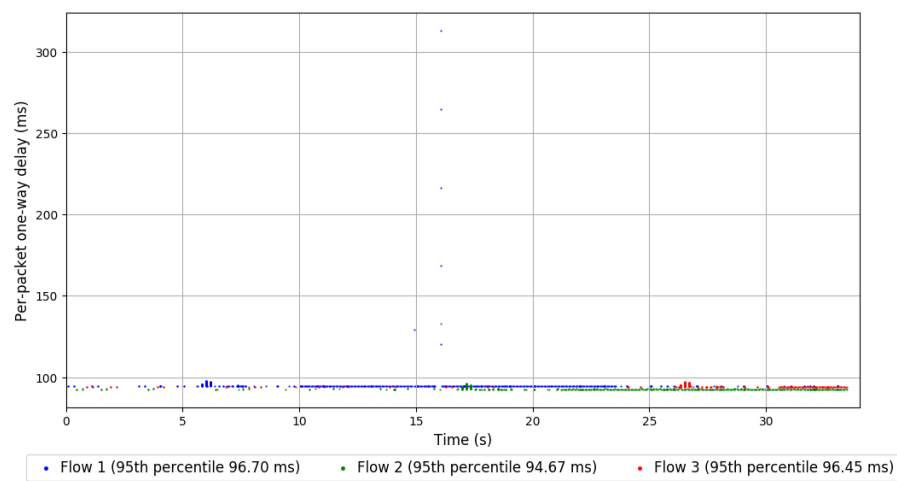
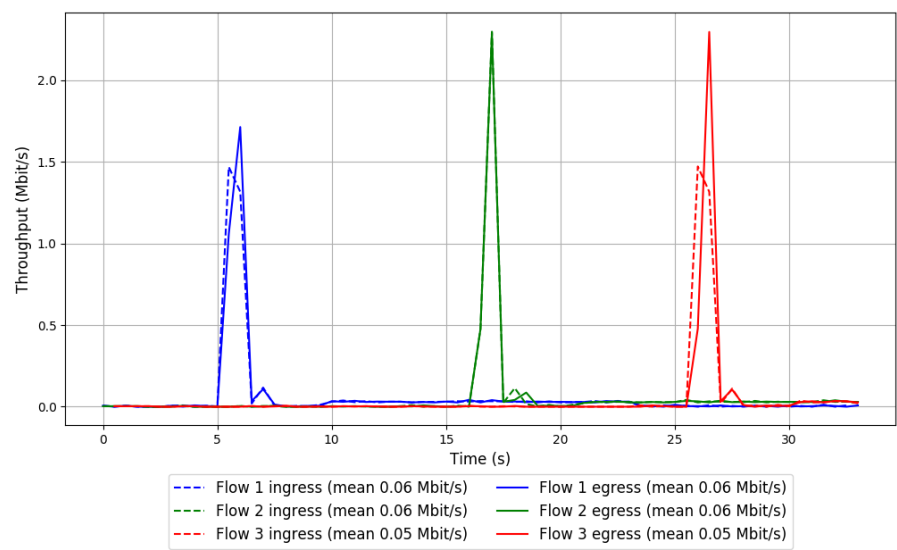
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 96.446 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-27 20:46:50

End at: 2018-03-27 20:47:20

Local clock offset: -3.742 ms

Remote clock offset: 4.242 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 96.096 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 94.402 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 97.051 ms

Loss rate: 0.00%

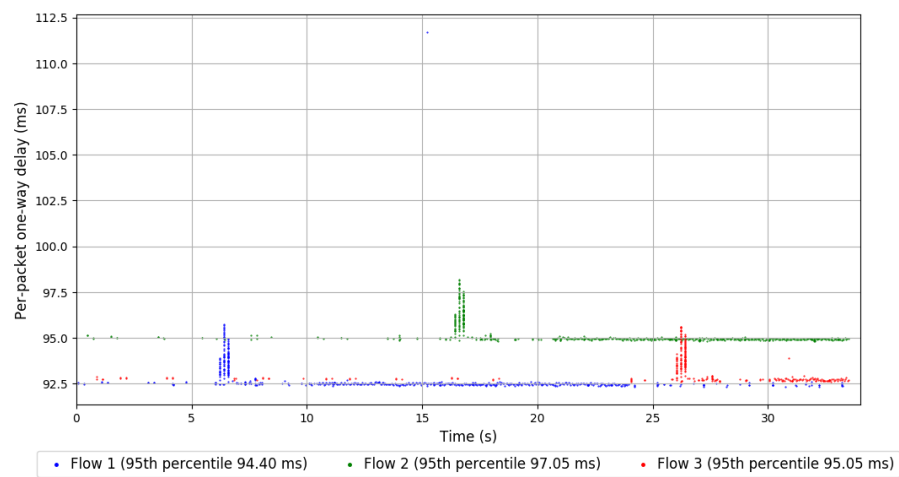
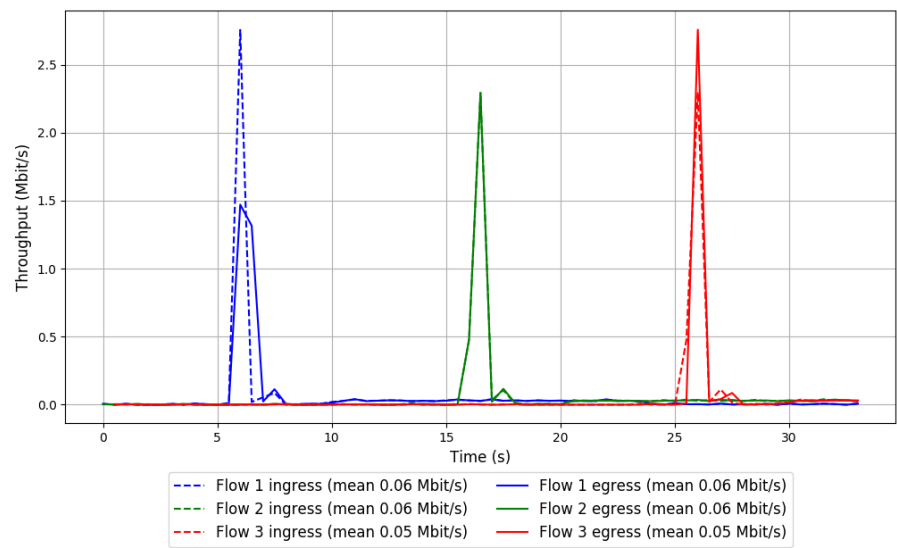
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 95.050 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

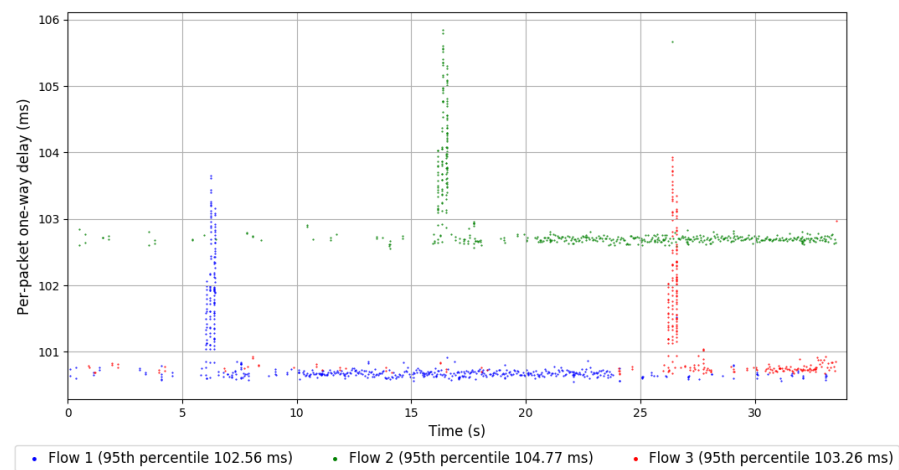
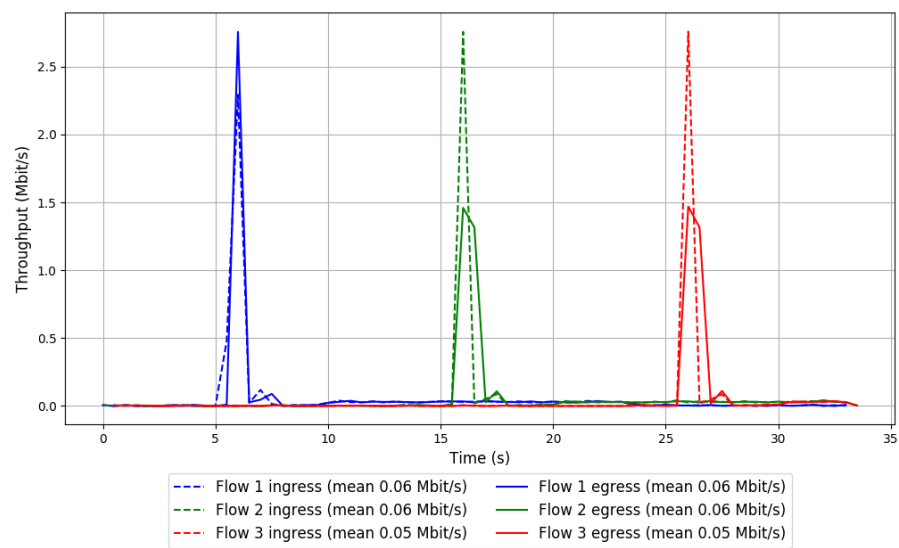


Run 8: Statistics of WebRTC media

Start at: 2018-03-27 21:11:06
End at: 2018-03-27 21:11:36
Local clock offset: -5.306 ms
Remote clock offset: 11.574 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 103.843 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.772 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 103.262 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-27 21:35:26

End at: 2018-03-27 21:35:56

Local clock offset: -7.604 ms

Remote clock offset: 2.616 ms

Below is generated by plot.py at 2018-03-27 22:50:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 101.239 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 101.276 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 97.861 ms

Loss rate: 0.00%

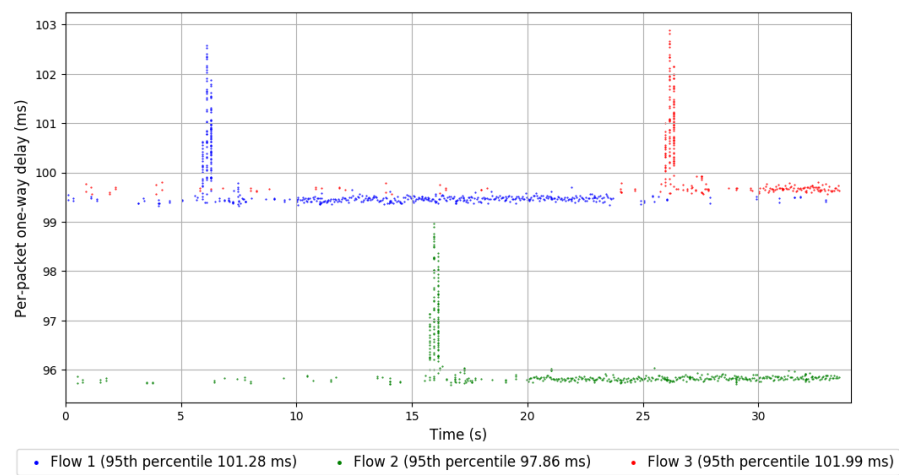
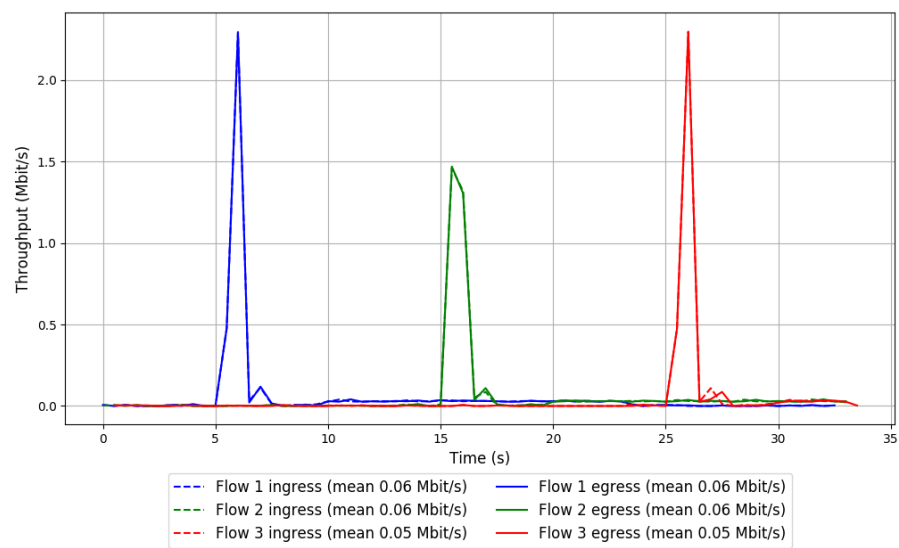
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 101.988 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

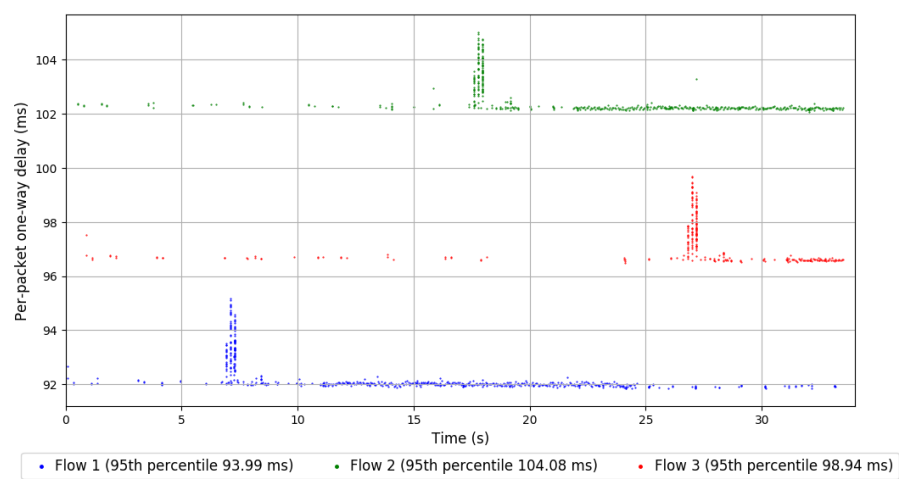
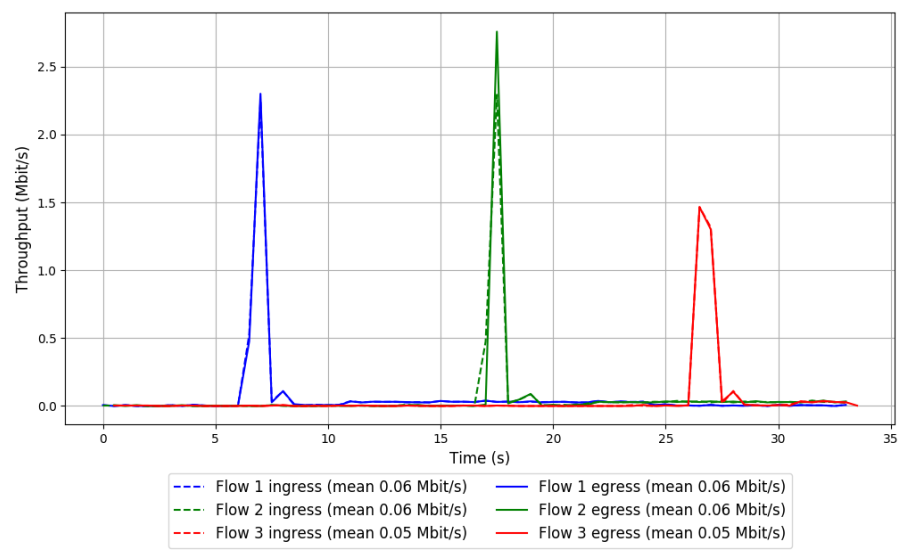


Run 10: Statistics of WebRTC media

Start at: 2018-03-27 21:59:57
End at: 2018-03-27 22:00:27
Local clock offset: -4.964 ms
Remote clock offset: 11.409 ms

Below is generated by plot.py at 2018-03-27 22:50:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 103.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 93.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 98.944 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

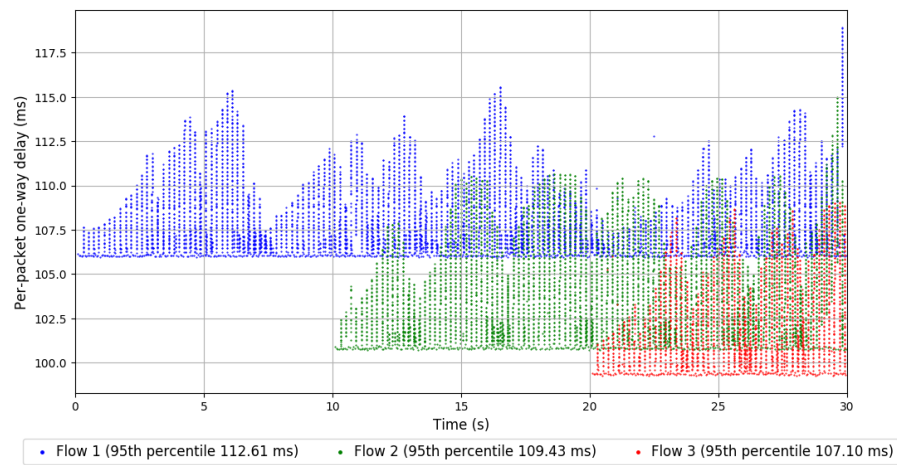
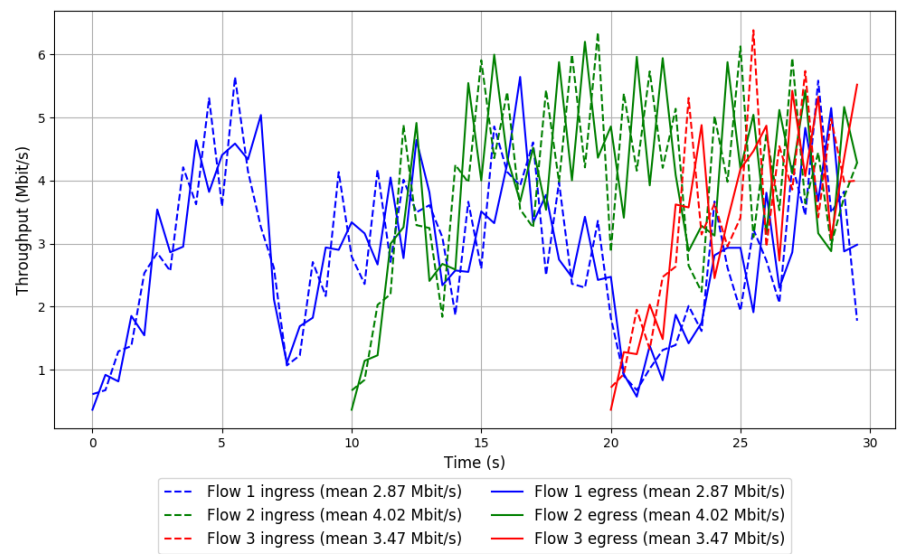


Run 1: Statistics of Sprout

Start at: 2018-03-27 18:16:21
End at: 2018-03-27 18:16:51
Local clock offset: -3.524 ms
Remote clock offset: 8.593 ms

Below is generated by plot.py at 2018-03-27 22:50:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 111.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 112.606 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 109.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 107.099 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

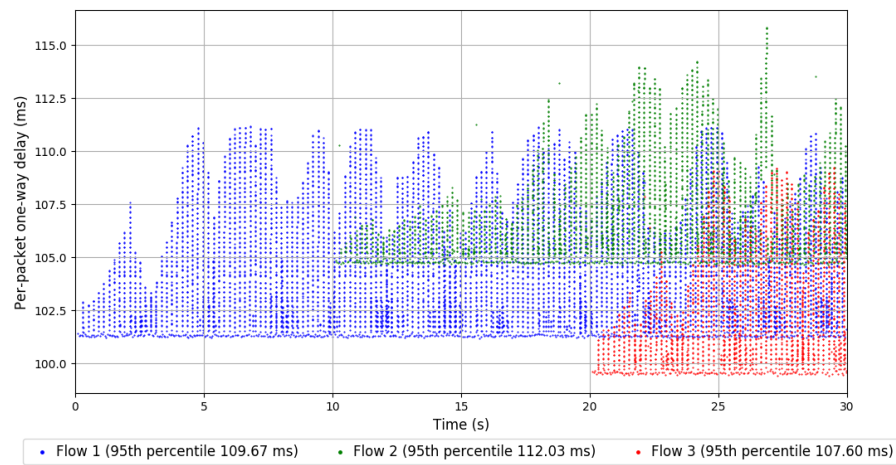
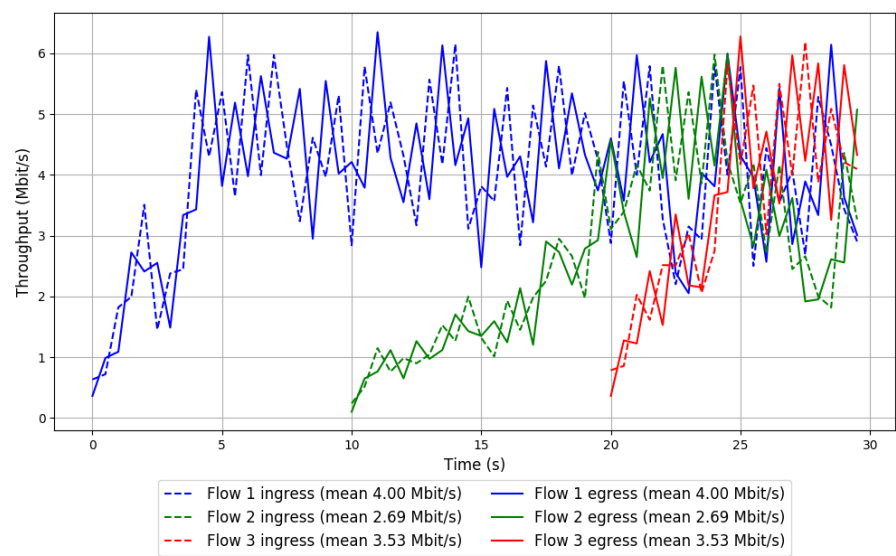


Run 2: Statistics of Sprout

Start at: 2018-03-27 18:40:35
End at: 2018-03-27 18:41:05
Local clock offset: -6.591 ms
Remote clock offset: 7.144 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 110.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 109.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 112.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 107.596 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

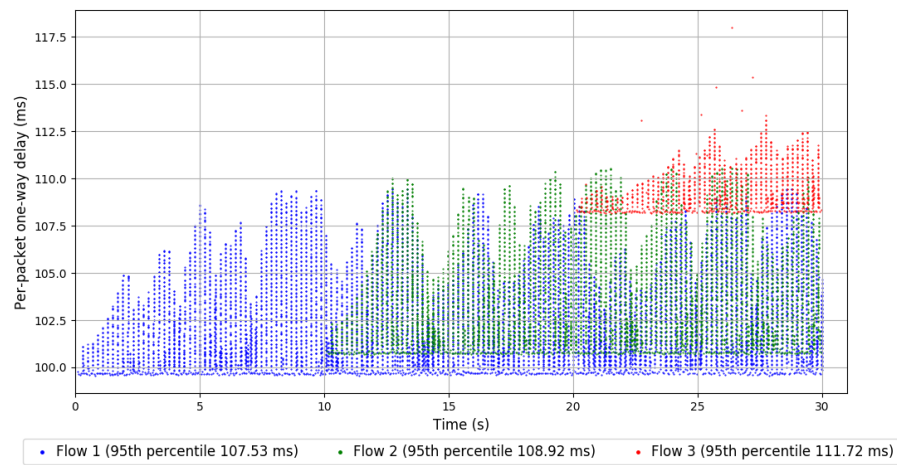
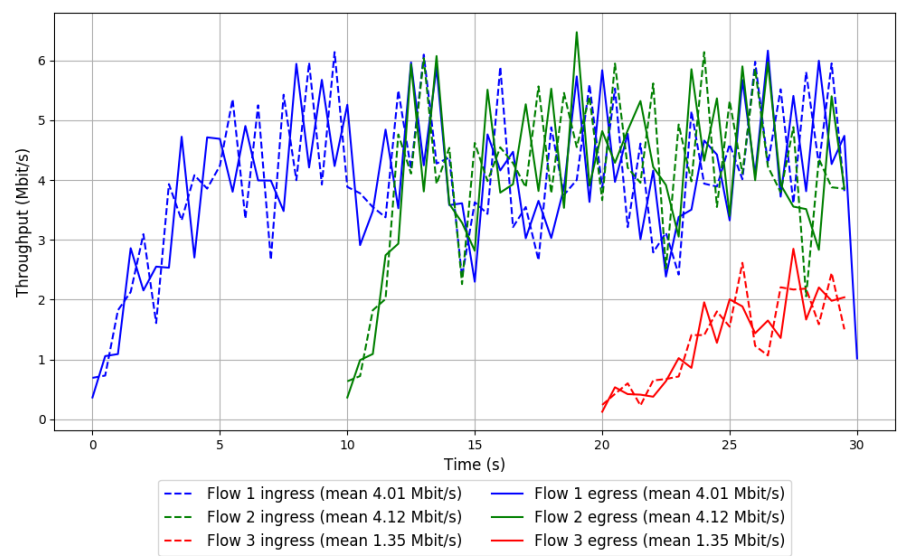


Run 3: Statistics of Sprout

Start at: 2018-03-27 19:04:44
End at: 2018-03-27 19:05:14
Local clock offset: -6.649 ms
Remote clock offset: 8.2 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 109.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 107.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 108.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 111.717 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

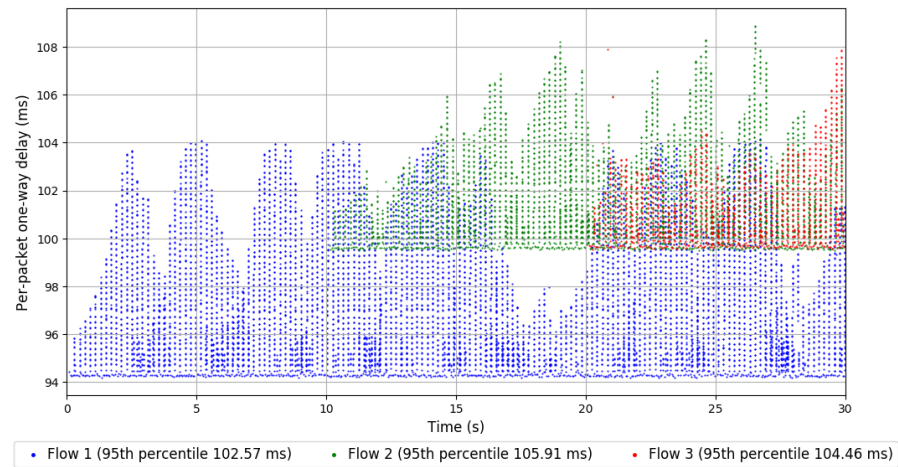
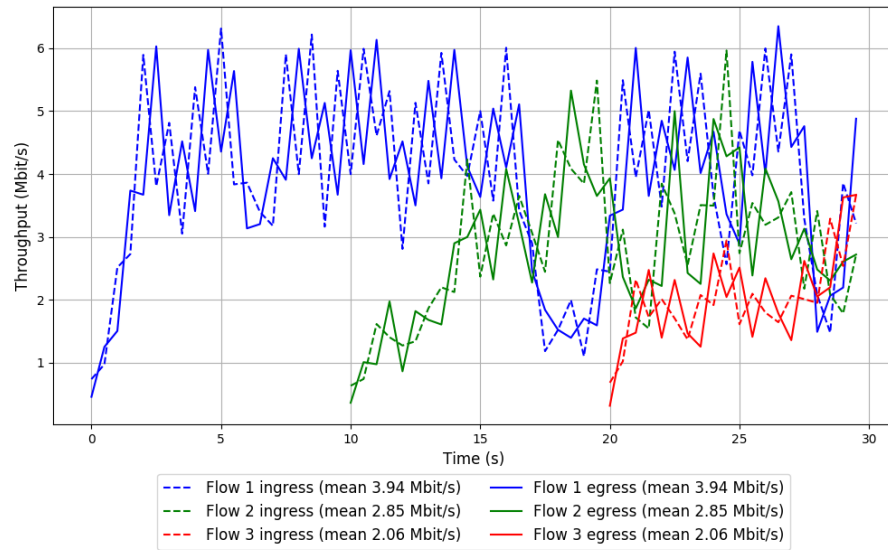


Run 4: Statistics of Sprout

Start at: 2018-03-27 19:29:05
End at: 2018-03-27 19:29:35
Local clock offset: -5.897 ms
Remote clock offset: 1.63 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 104.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 102.573 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 105.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 104.456 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

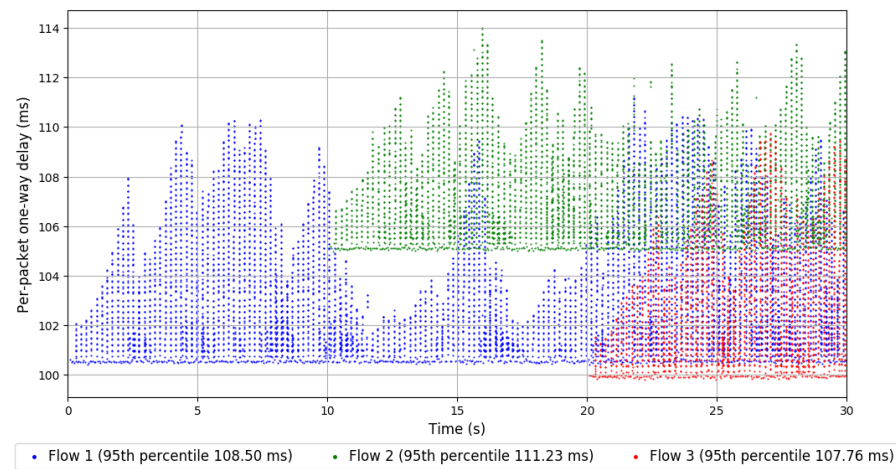
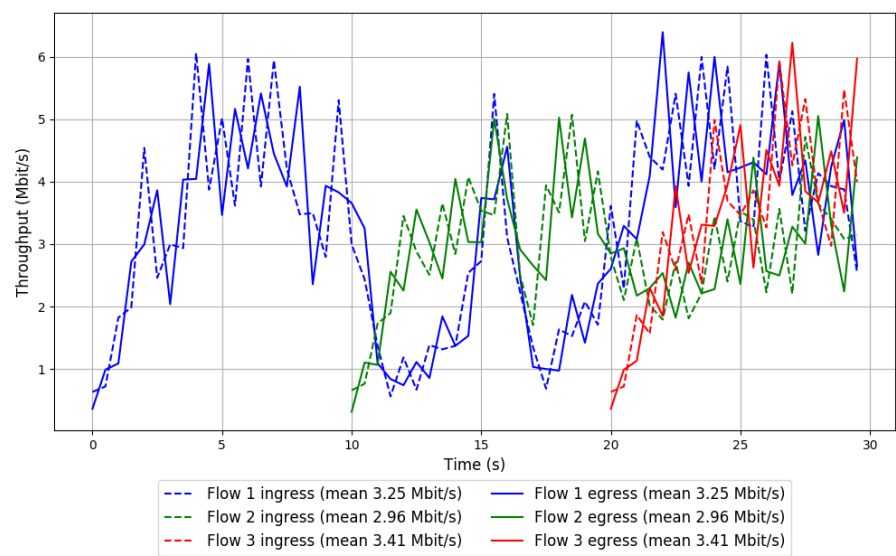


Run 5: Statistics of Sprout

Start at: 2018-03-27 19:53:16
End at: 2018-03-27 19:53:47
Local clock offset: -1.707 ms
Remote clock offset: 7.606 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 109.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 108.495 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 111.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 107.757 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

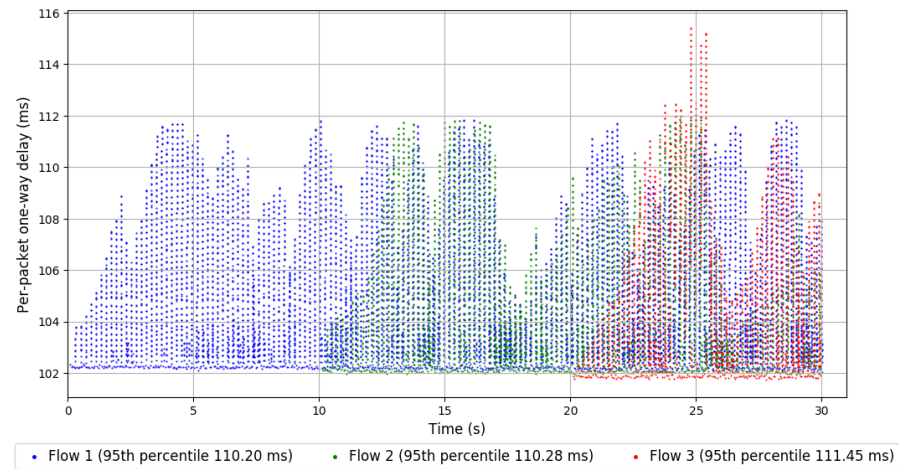
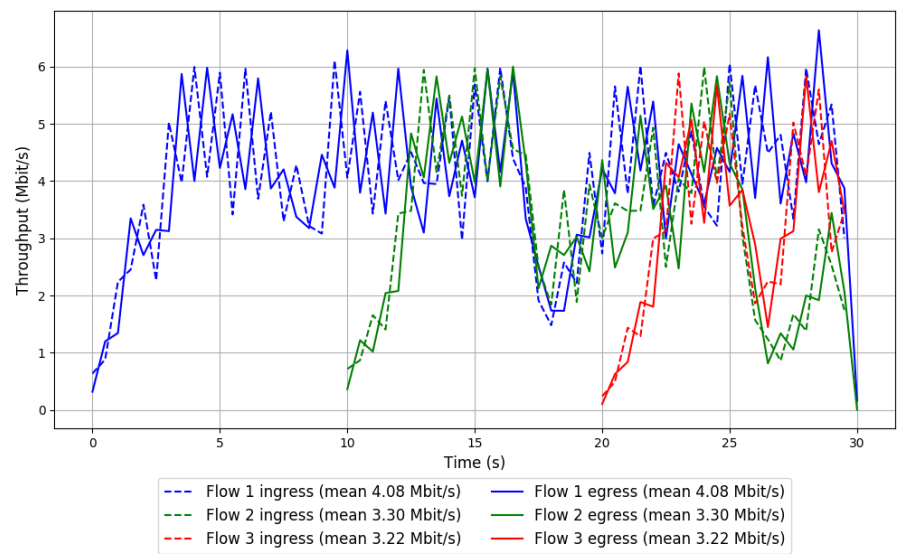


Run 6: Statistics of Sprout

Start at: 2018-03-27 20:17:24
End at: 2018-03-27 20:17:54
Local clock offset: -2.223 ms
Remote clock offset: 10.383 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 110.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 110.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 110.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 111.449 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

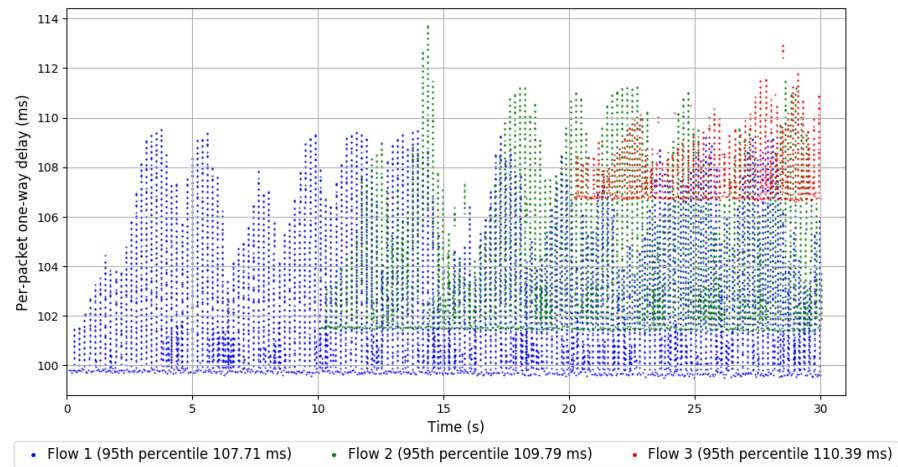
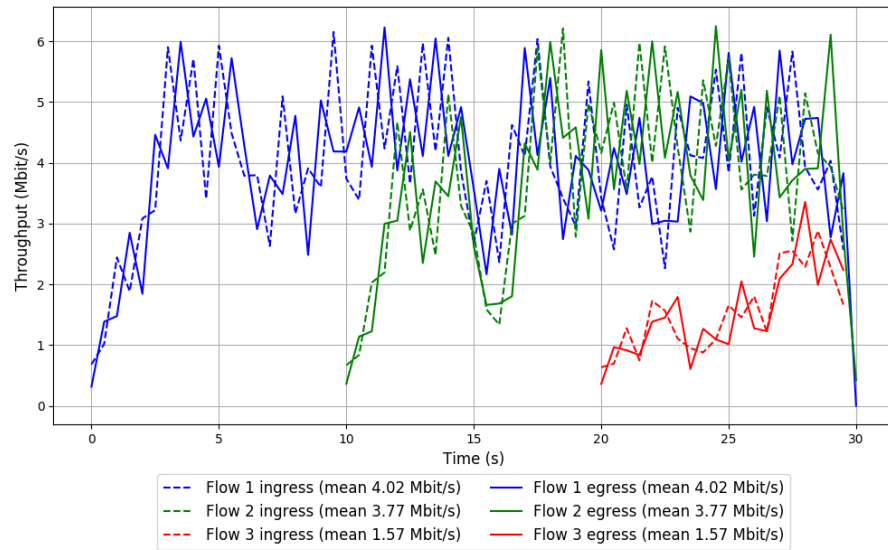


Run 7: Statistics of Sprout

Start at: 2018-03-27 20:41:33
End at: 2018-03-27 20:42:03
Local clock offset: -2.517 ms
Remote clock offset: 9.329 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 109.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 107.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 109.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 110.389 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

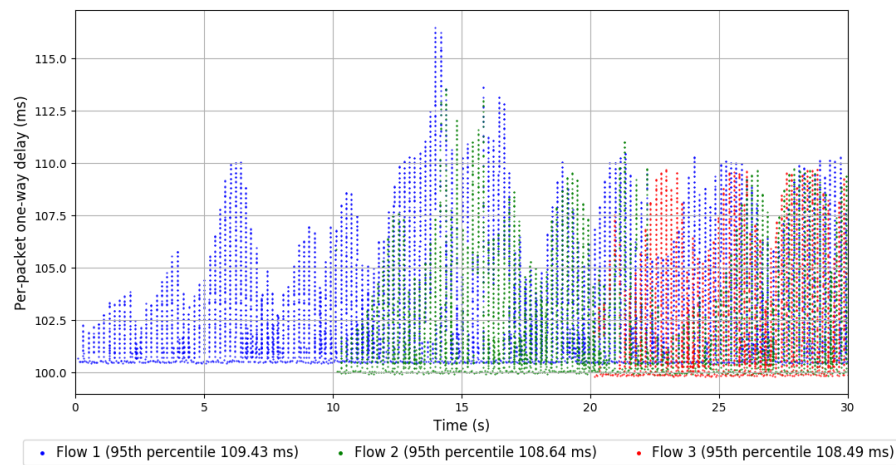
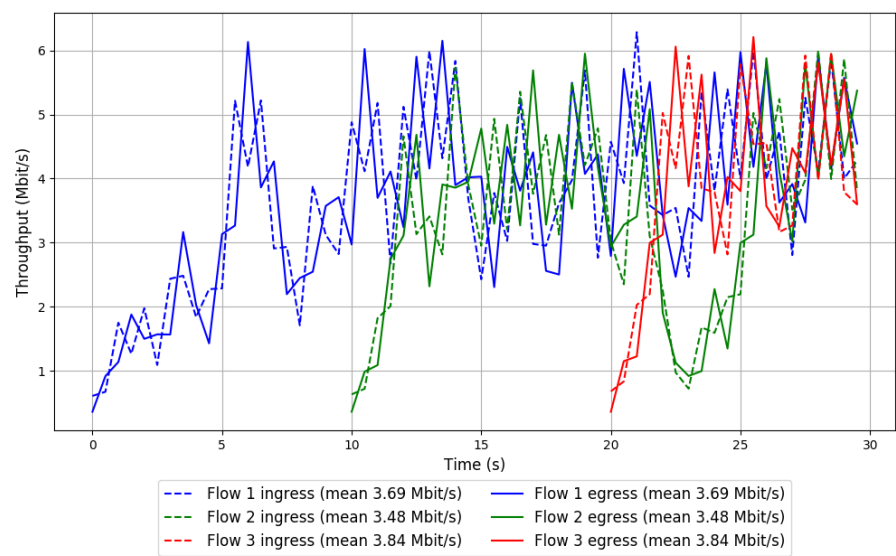


Run 8: Statistics of Sprout

Start at: 2018-03-27 21:05:45
End at: 2018-03-27 21:06:15
Local clock offset: -5.254 ms
Remote clock offset: 10.462 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 109.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 109.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 108.643 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 108.491 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

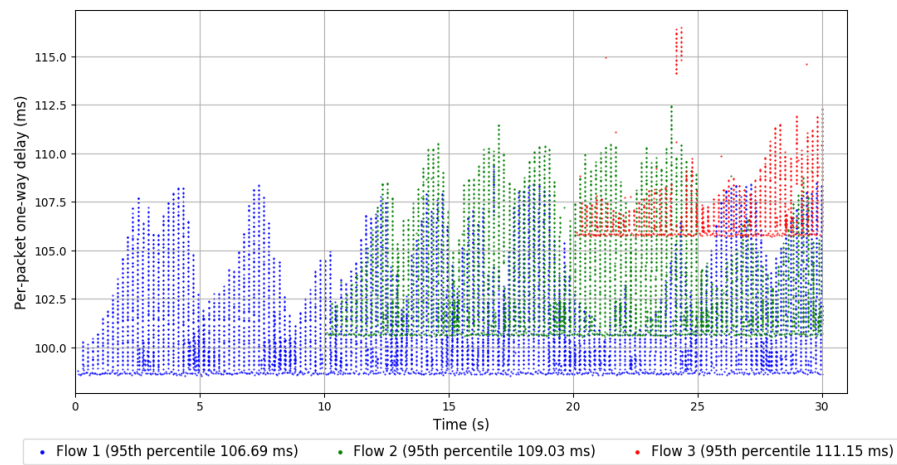
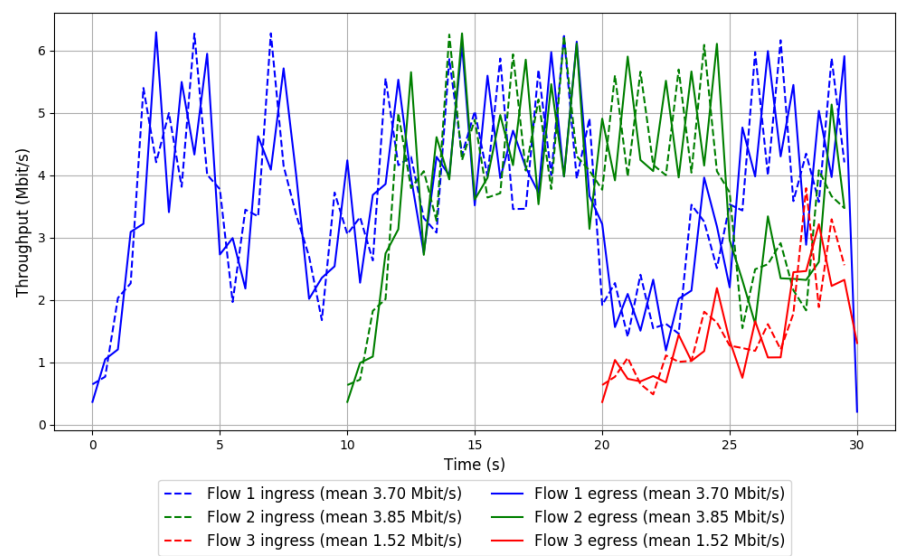


Run 9: Statistics of Sprout

Start at: 2018-03-27 21:30:06
End at: 2018-03-27 21:30:36
Local clock offset: -7.279 ms
Remote clock offset: 7.912 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 108.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 106.693 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 109.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 111.153 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

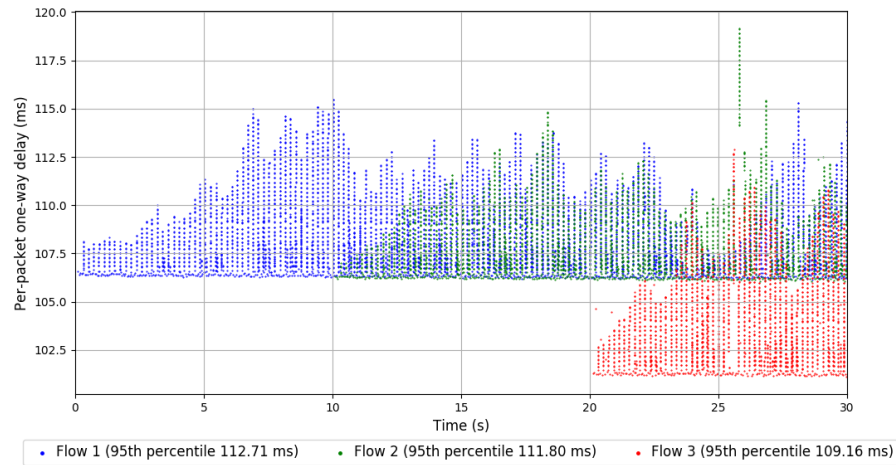
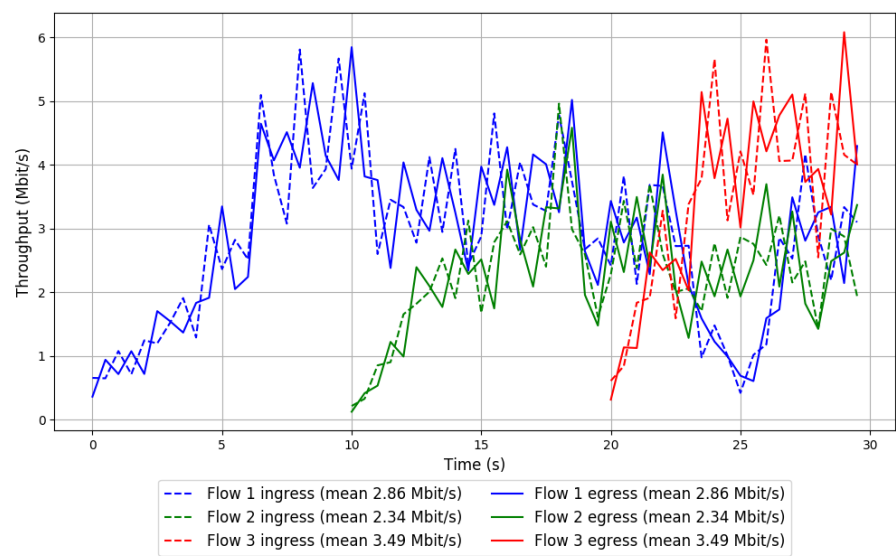


Run 10: Statistics of Sprout

Start at: 2018-03-27 21:54:36
End at: 2018-03-27 21:55:06
Local clock offset: -6.196 ms
Remote clock offset: 14.421 ms

```
# Below is generated by plot.py at 2018-03-27 22:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 112.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 112.713 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 111.799 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 109.156 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

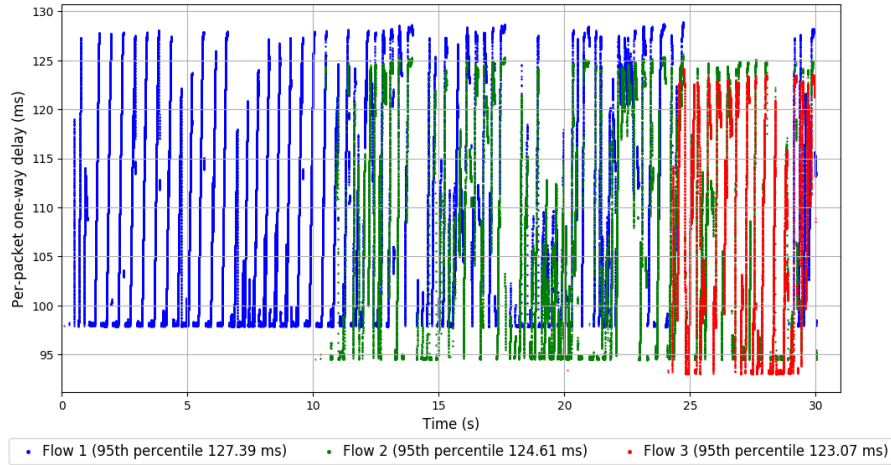
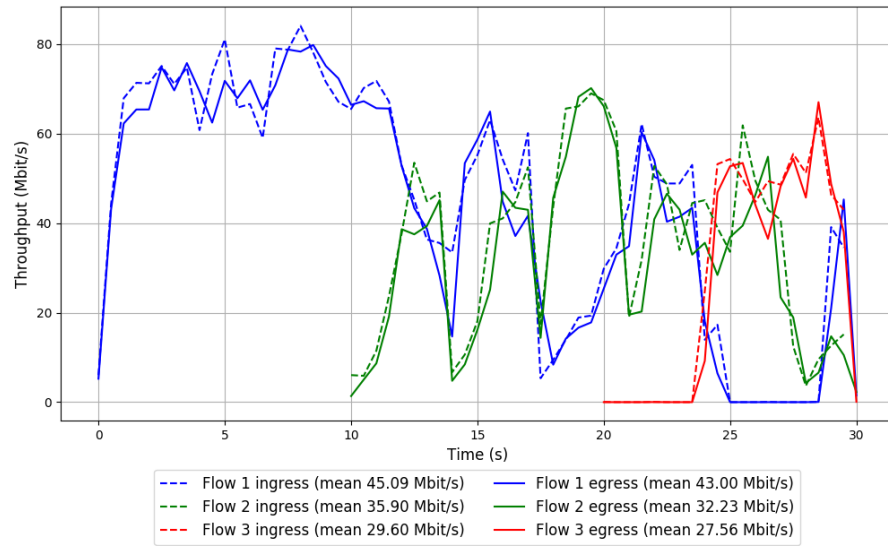


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 18:33:29
End at: 2018-03-27 18:33:59
Local clock offset: -5.709 ms
Remote clock offset: 1.976 ms

# Below is generated by plot.py at 2018-03-27 22:52:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 126.514 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 127.388 ms
Loss rate: 4.63%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 124.615 ms
Loss rate: 10.21%
-- Flow 3:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 123.066 ms
Loss rate: 6.76%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 18:57:41

End at: 2018-03-27 18:58:11

Local clock offset: -7.455 ms

Remote clock offset: 9.126 ms

Below is generated by plot.py at 2018-03-27 22:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 131.521 ms

Loss rate: 5.37%

-- Flow 1:

Average throughput: 46.35 Mbit/s

95th percentile per-packet one-way delay: 131.464 ms

Loss rate: 4.17%

-- Flow 2:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 131.776 ms

Loss rate: 5.47%

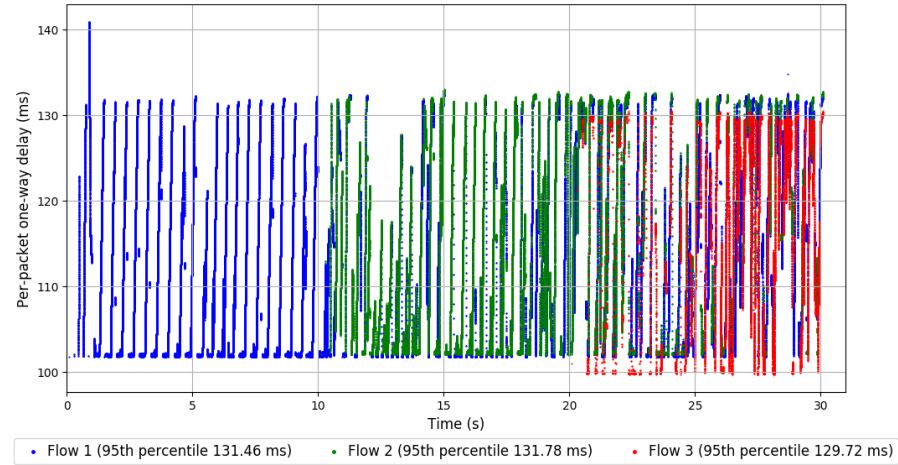
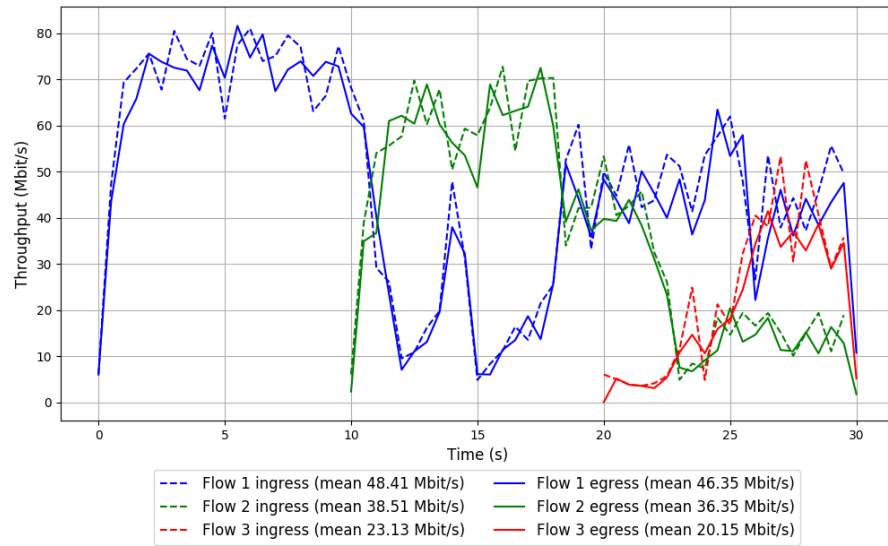
-- Flow 3:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 129.717 ms

Loss rate: 12.64%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 19:21:47

End at: 2018-03-27 19:22:17

Local clock offset: -5.966 ms

Remote clock offset: 1.61 ms

Below is generated by plot.py at 2018-03-27 22:52:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 125.975 ms

Loss rate: 7.27%

-- Flow 1:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 126.093 ms

Loss rate: 5.75%

-- Flow 2:

Average throughput: 41.90 Mbit/s

95th percentile per-packet one-way delay: 124.912 ms

Loss rate: 8.52%

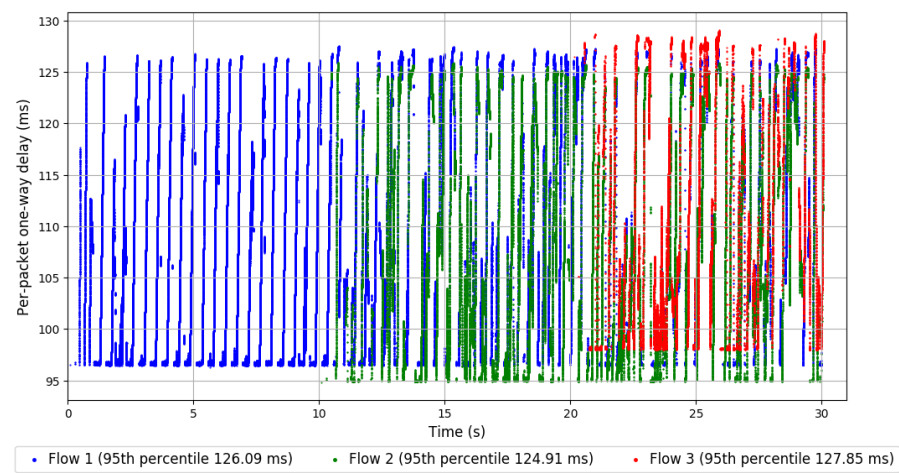
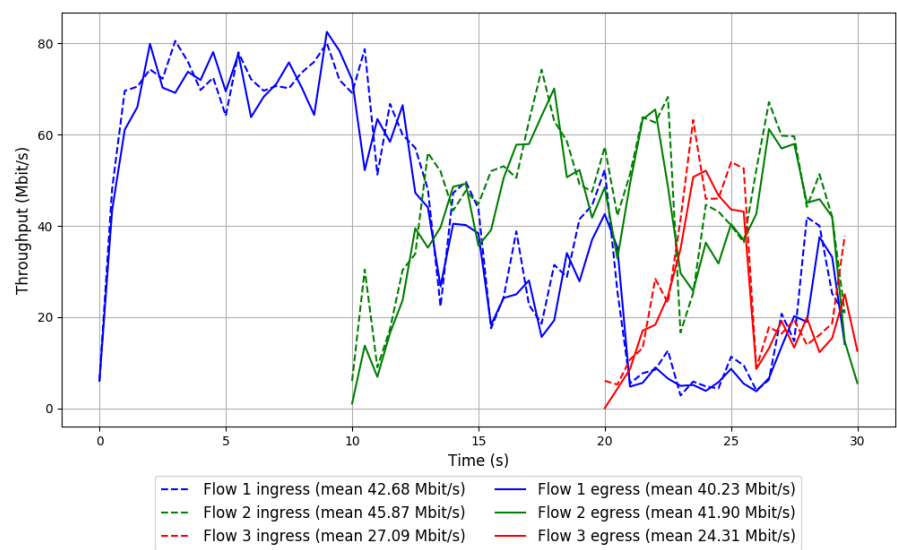
-- Flow 3:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 127.849 ms

Loss rate: 10.24%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 19:46:12

End at: 2018-03-27 19:46:42

Local clock offset: -2.468 ms

Remote clock offset: 9.323 ms

Below is generated by plot.py at 2018-03-27 22:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 130.622 ms

Loss rate: 6.37%

-- Flow 1:

Average throughput: 42.36 Mbit/s

95th percentile per-packet one-way delay: 130.344 ms

Loss rate: 5.37%

-- Flow 2:

Average throughput: 25.91 Mbit/s

95th percentile per-packet one-way delay: 130.333 ms

Loss rate: 9.99%

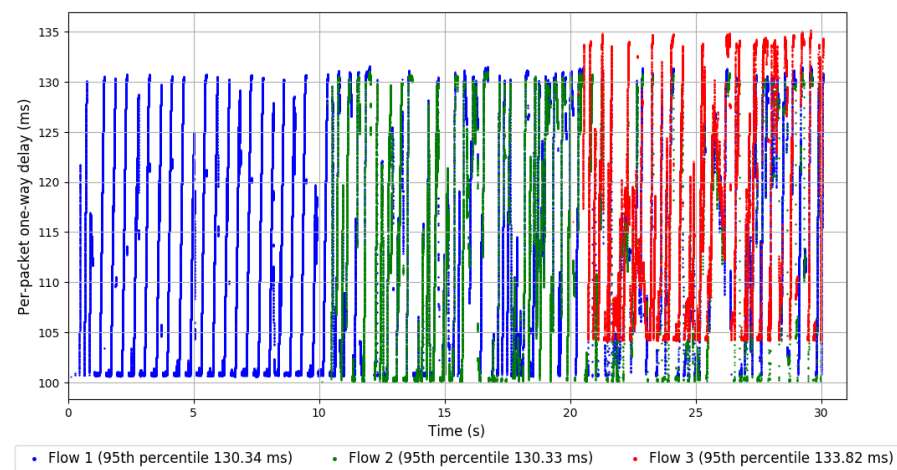
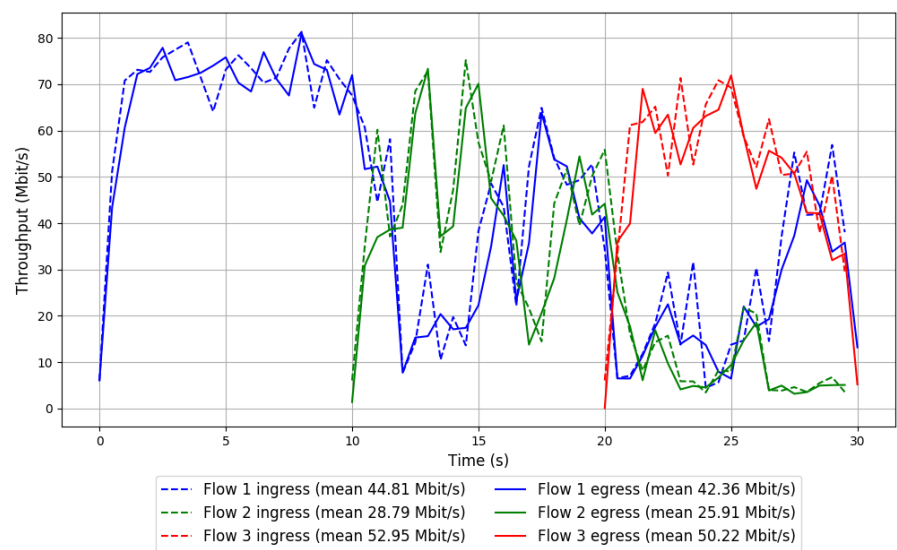
-- Flow 3:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 133.825 ms

Loss rate: 5.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 20:10:20

End at: 2018-03-27 20:10:50

Local clock offset: -1.386 ms

Remote clock offset: 9.163 ms

Below is generated by plot.py at 2018-03-27 22:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.46 Mbit/s

95th percentile per-packet one-way delay: 134.454 ms

Loss rate: 4.91%

-- Flow 1:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 133.922 ms

Loss rate: 4.20%

-- Flow 2:

Average throughput: 33.18 Mbit/s

95th percentile per-packet one-way delay: 136.117 ms

Loss rate: 6.46%

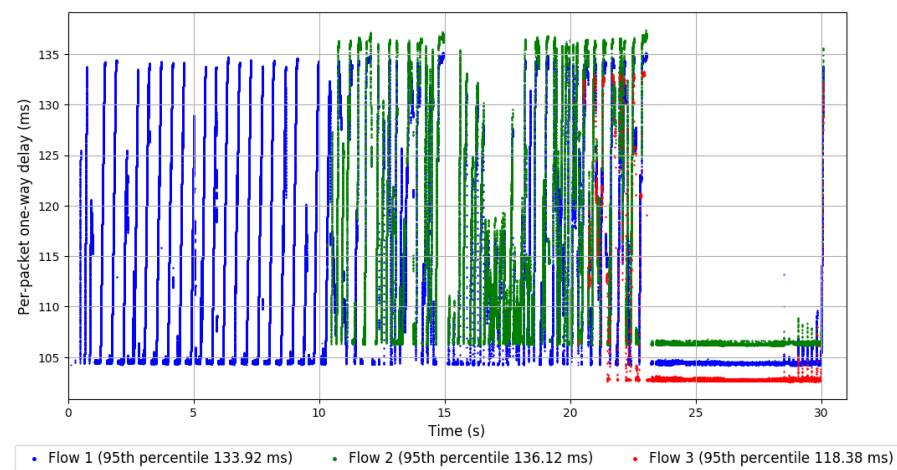
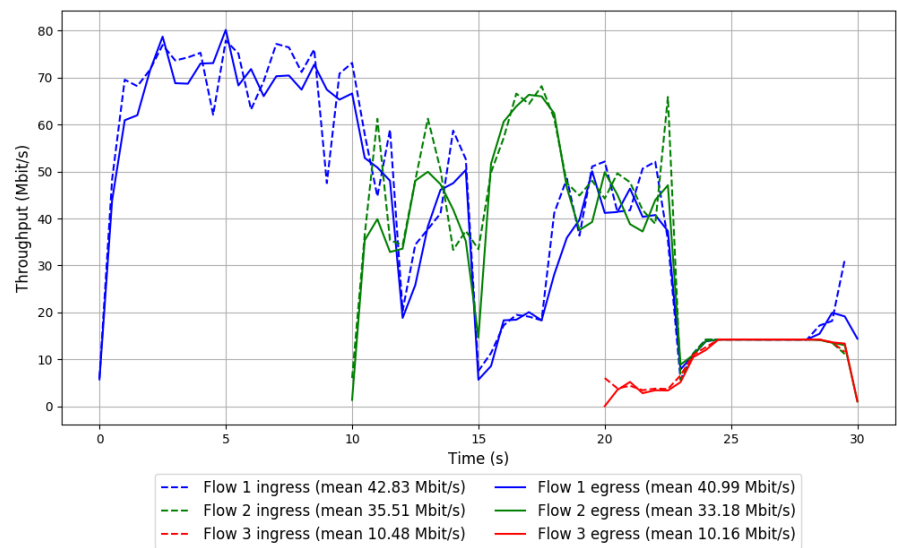
-- Flow 3:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 118.380 ms

Loss rate: 3.12%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 20:34:31

End at: 2018-03-27 20:35:01

Local clock offset: -2.528 ms

Remote clock offset: 4.783 ms

Below is generated by plot.py at 2018-03-27 22:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.67 Mbit/s

95th percentile per-packet one-way delay: 125.450 ms

Loss rate: 6.99%

-- Flow 1:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 123.414 ms

Loss rate: 4.55%

-- Flow 2:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 125.695 ms

Loss rate: 10.28%

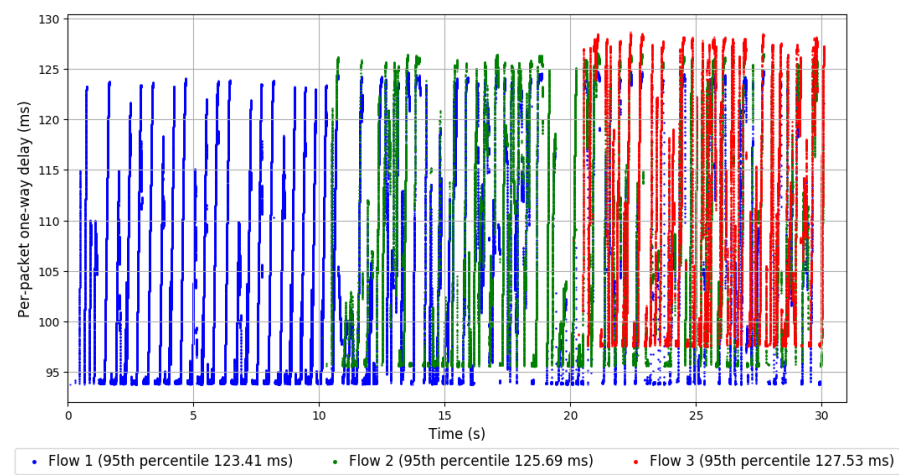
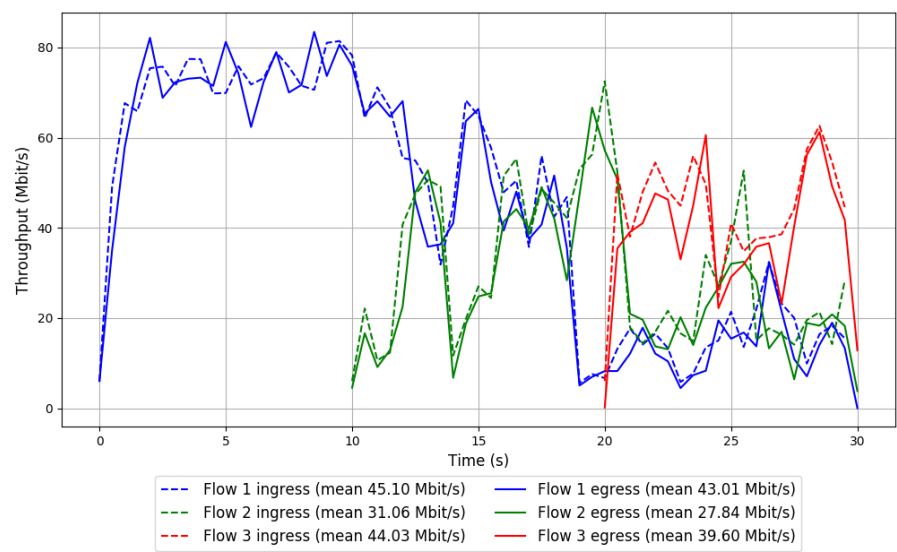
-- Flow 3:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 127.526 ms

Loss rate: 9.89%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 20:58:39

End at: 2018-03-27 20:59:09

Local clock offset: -4.9 ms

Remote clock offset: 4.717 ms

Below is generated by plot.py at 2018-03-27 22:52:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 129.100 ms

Loss rate: 5.85%

-- Flow 1:

Average throughput: 41.81 Mbit/s

95th percentile per-packet one-way delay: 129.236 ms

Loss rate: 4.13%

-- Flow 2:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 126.244 ms

Loss rate: 7.29%

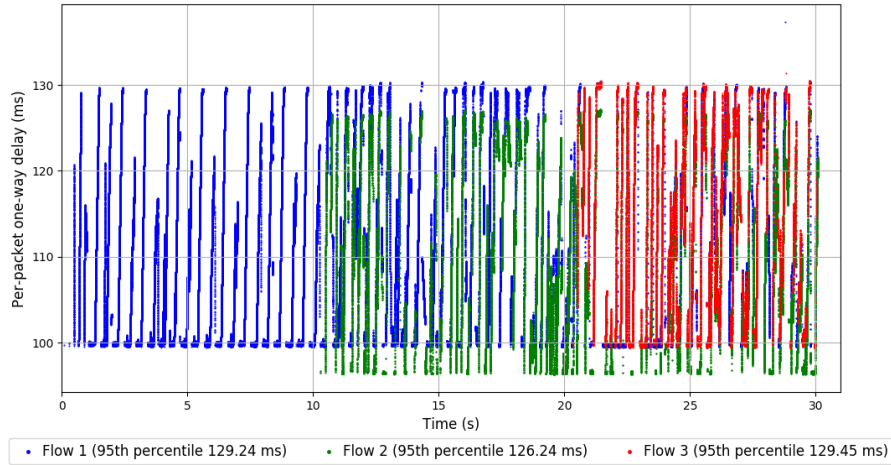
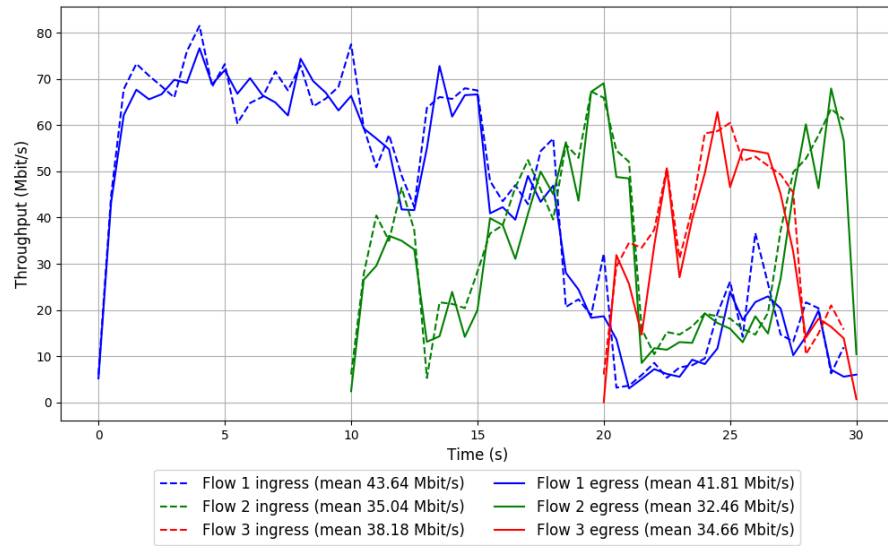
-- Flow 3:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 129.450 ms

Loss rate: 9.15%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 21:23:03

End at: 2018-03-27 21:23:33

Local clock offset: -6.646 ms

Remote clock offset: 2.97 ms

Below is generated by plot.py at 2018-03-27 22:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 129.554 ms

Loss rate: 5.56%

-- Flow 1:

Average throughput: 52.30 Mbit/s

95th percentile per-packet one-way delay: 129.789 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 33.68 Mbit/s

95th percentile per-packet one-way delay: 125.335 ms

Loss rate: 8.70%

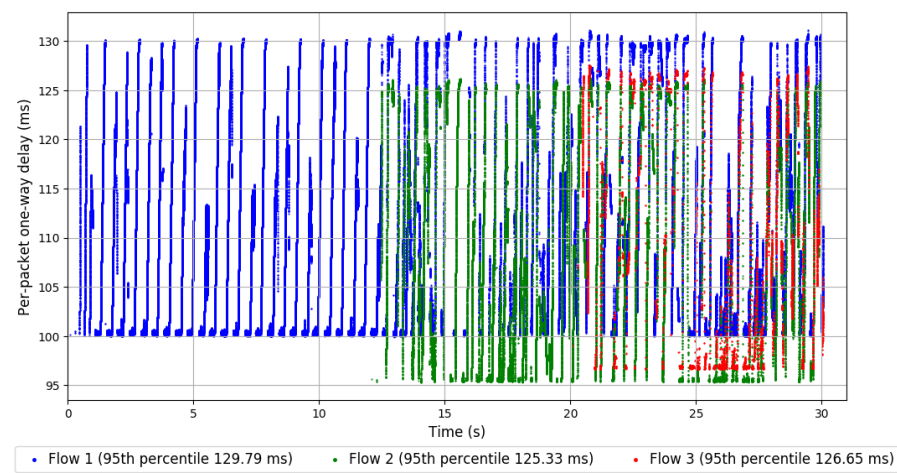
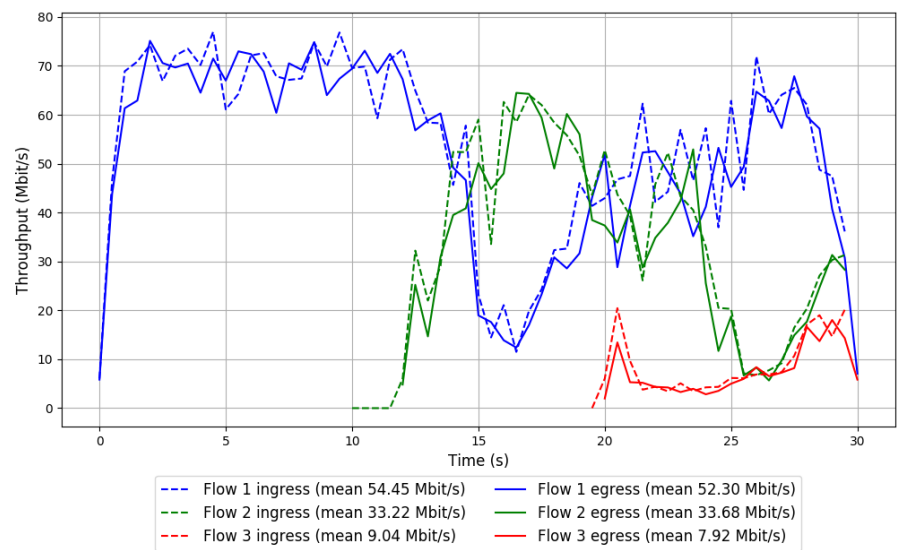
-- Flow 3:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 126.648 ms

Loss rate: 12.24%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 21:47:26

End at: 2018-03-27 21:47:56

Local clock offset: -8.129 ms

Remote clock offset: 2.494 ms

Below is generated by plot.py at 2018-03-27 22:54:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.93 Mbit/s

95th percentile per-packet one-way delay: 130.100 ms

Loss rate: 5.62%

-- Flow 1:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 125.189 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 130.804 ms

Loss rate: 7.08%

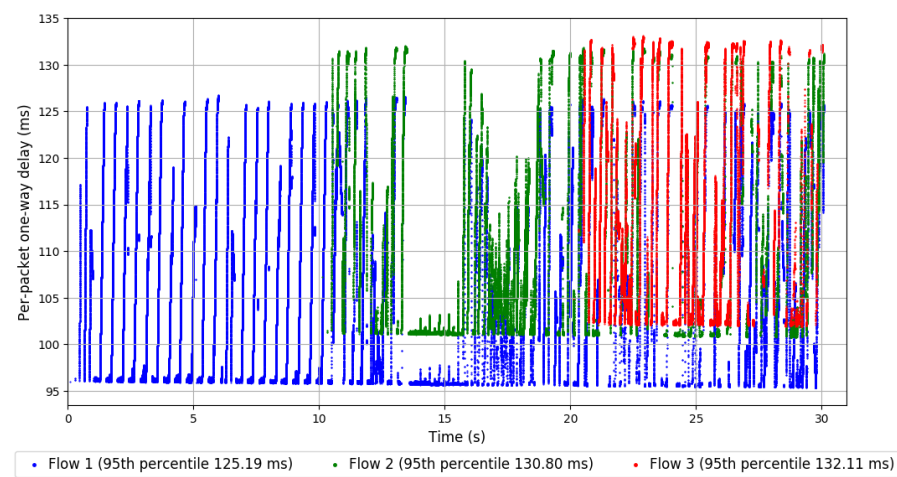
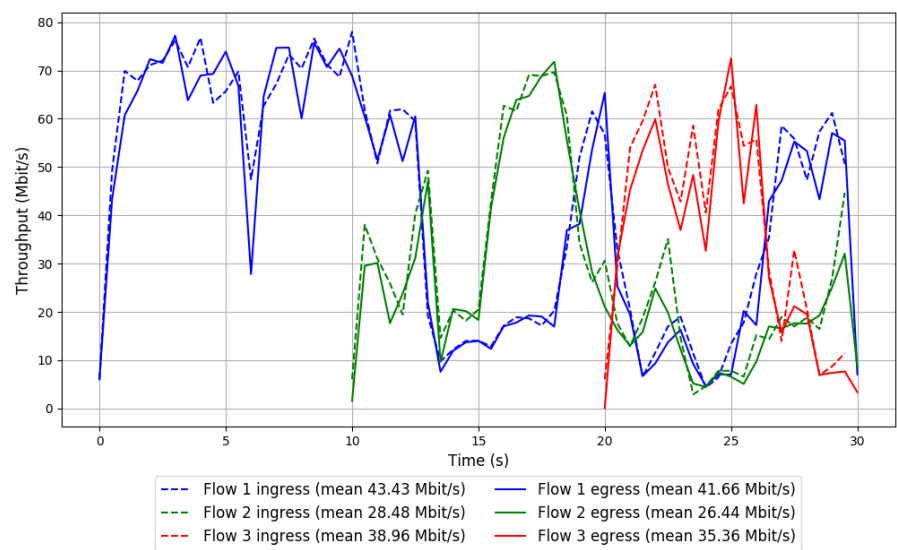
-- Flow 3:

Average throughput: 35.36 Mbit/s

95th percentile per-packet one-way delay: 132.114 ms

Loss rate: 9.00%

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

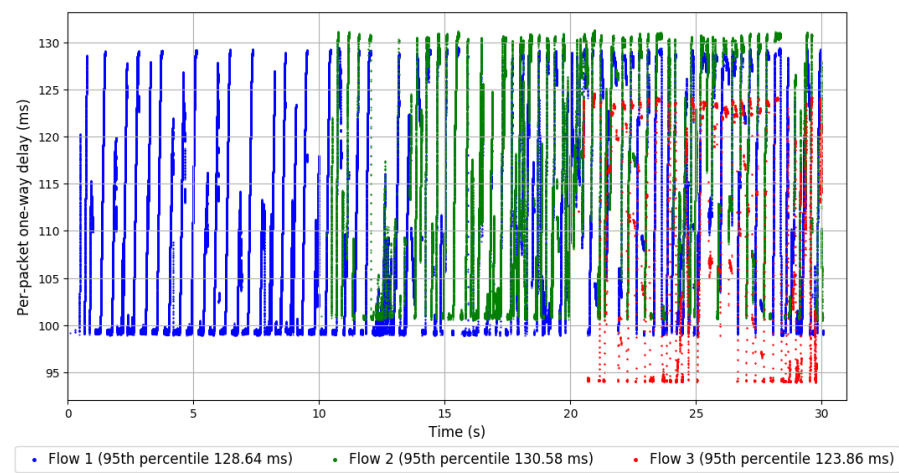
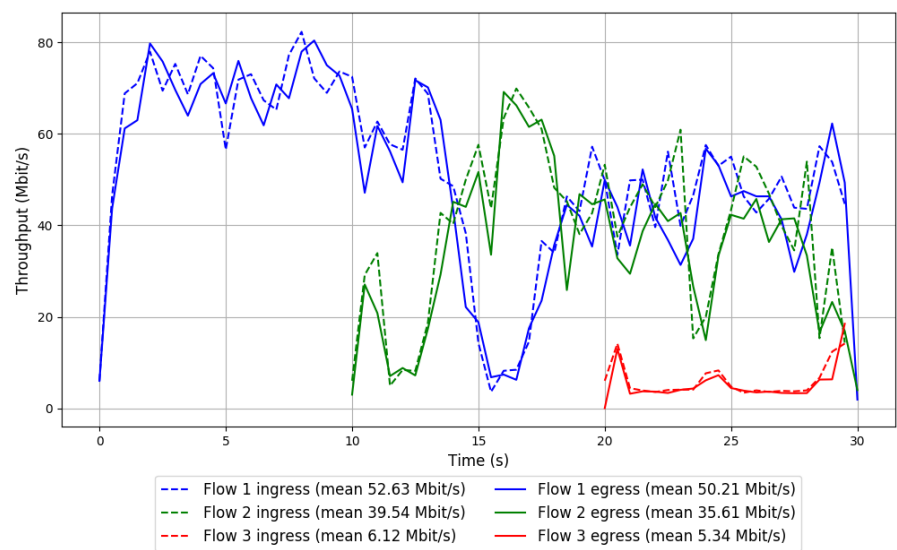


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 22:11:45
End at: 2018-03-27 22:12:15
Local clock offset: -3.527 ms
Remote clock offset: 16.011 ms

Below is generated by plot.py at 2018-03-27 22:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 129.932 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 128.641 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 130.580 ms
Loss rate: 9.93%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 123.863 ms
Loss rate: 12.66%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 18:34:52

End at: 2018-03-27 18:35:22

Local clock offset: -5.951 ms

Remote clock offset: 2.928 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 105.687 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 19.13 Mbit/s

95th percentile per-packet one-way delay: 104.306 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 105.595 ms

Loss rate: 0.67%

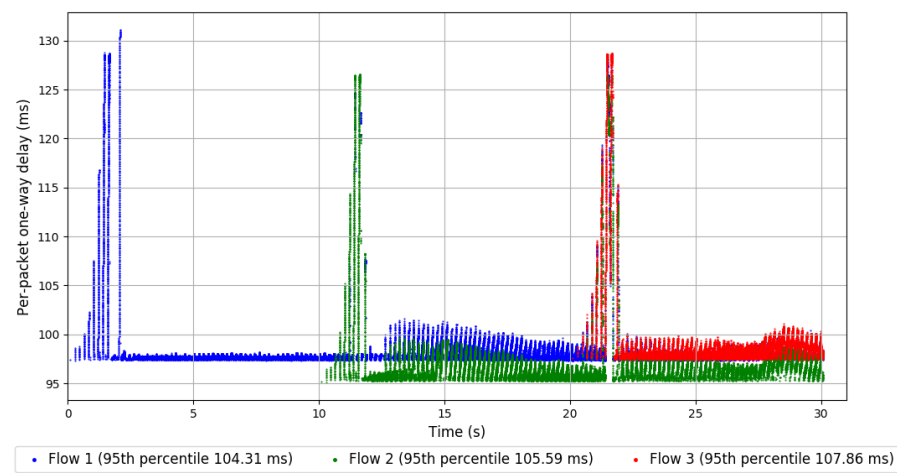
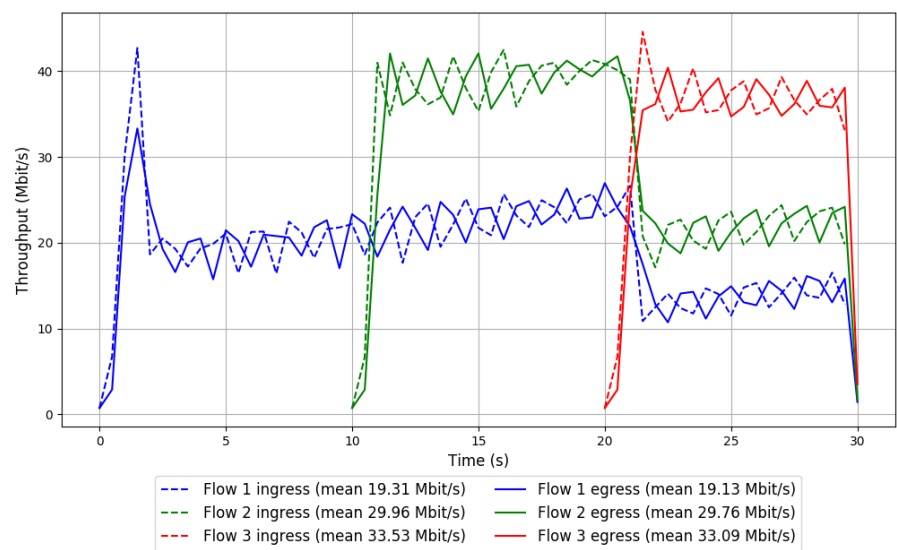
-- Flow 3:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 107.855 ms

Loss rate: 1.31%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 18:59:05

End at: 2018-03-27 18:59:35

Local clock offset: -7.44 ms

Remote clock offset: 1.726 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.51 Mbit/s

95th percentile per-packet one-way delay: 105.216 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 105.434 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 105.590 ms

Loss rate: 1.28%

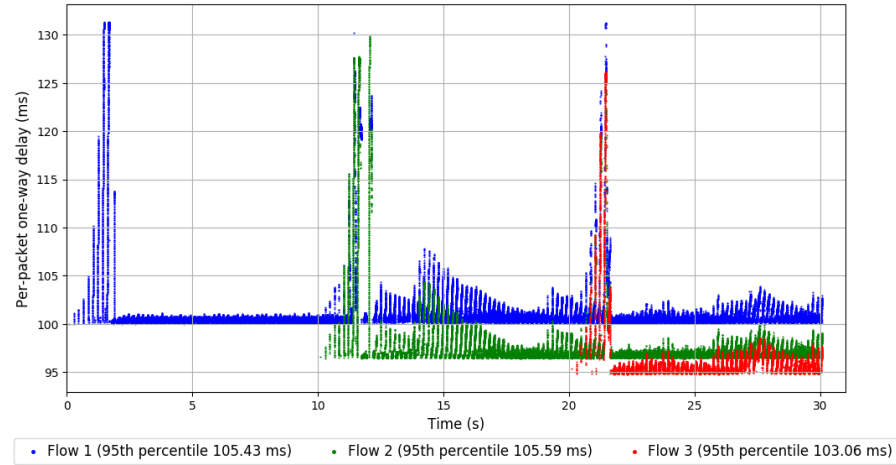
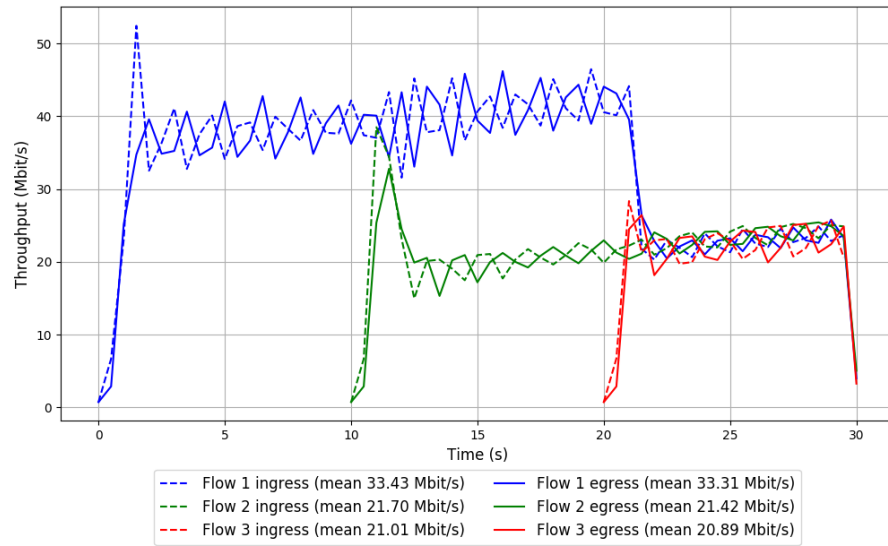
-- Flow 3:

Average throughput: 20.89 Mbit/s

95th percentile per-packet one-way delay: 103.060 ms

Loss rate: 0.57%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 19:23:10

End at: 2018-03-27 19:23:40

Local clock offset: -5.943 ms

Remote clock offset: 6.961 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.44 Mbit/s

95th percentile per-packet one-way delay: 107.961 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 22.80 Mbit/s

95th percentile per-packet one-way delay: 108.608 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 28.11 Mbit/s

95th percentile per-packet one-way delay: 103.223 ms

Loss rate: 0.66%

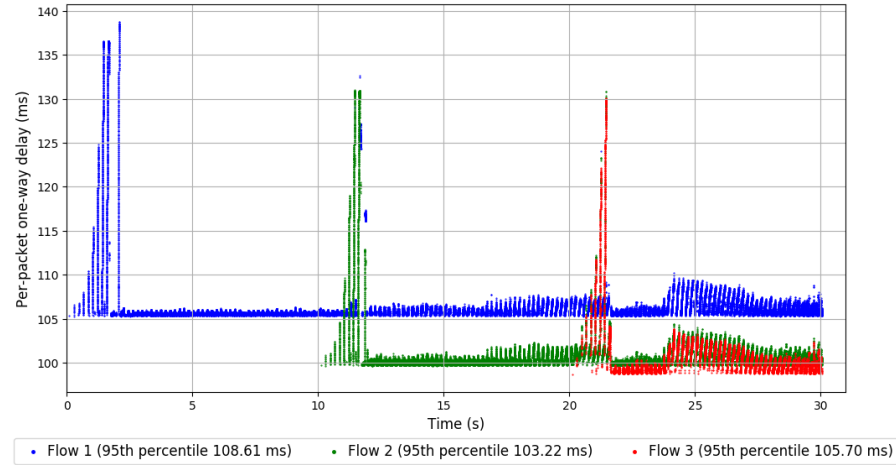
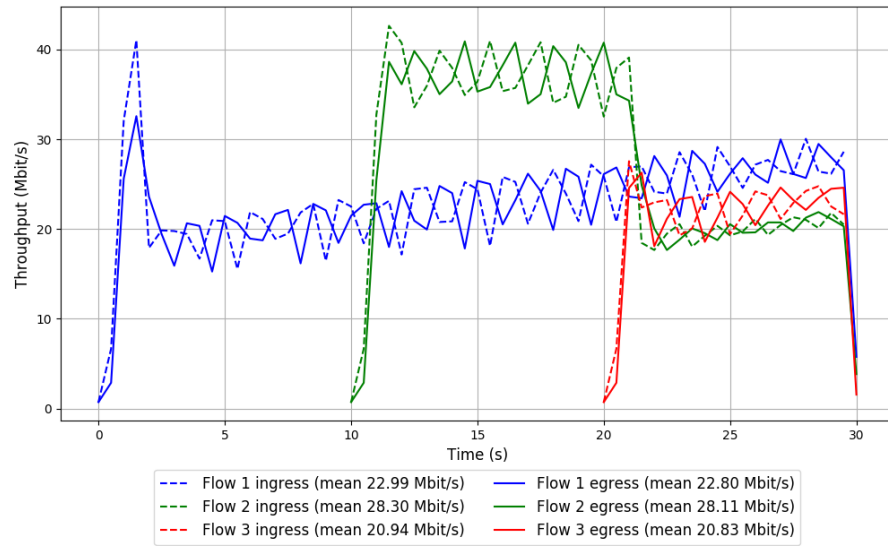
-- Flow 3:

Average throughput: 20.83 Mbit/s

95th percentile per-packet one-way delay: 105.702 ms

Loss rate: 0.51%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 19:47:35

End at: 2018-03-27 19:48:05

Local clock offset: -2.38 ms

Remote clock offset: 8.52 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: 109.619 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 114.597 ms

Loss rate: 0.68%

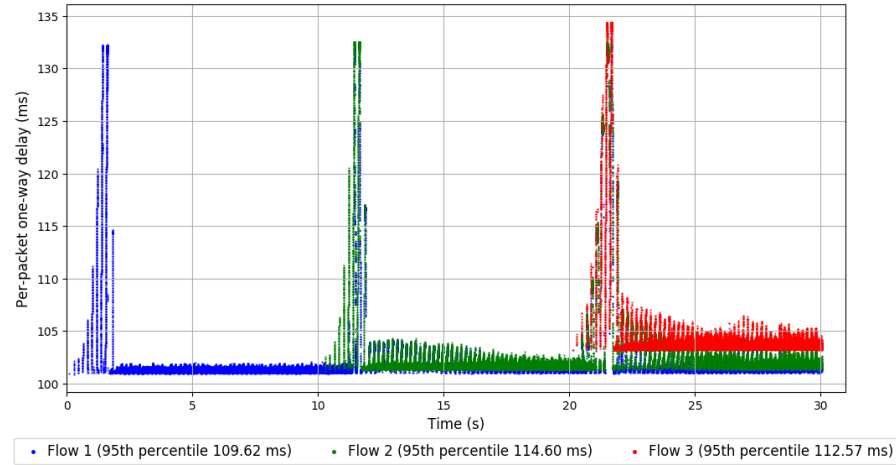
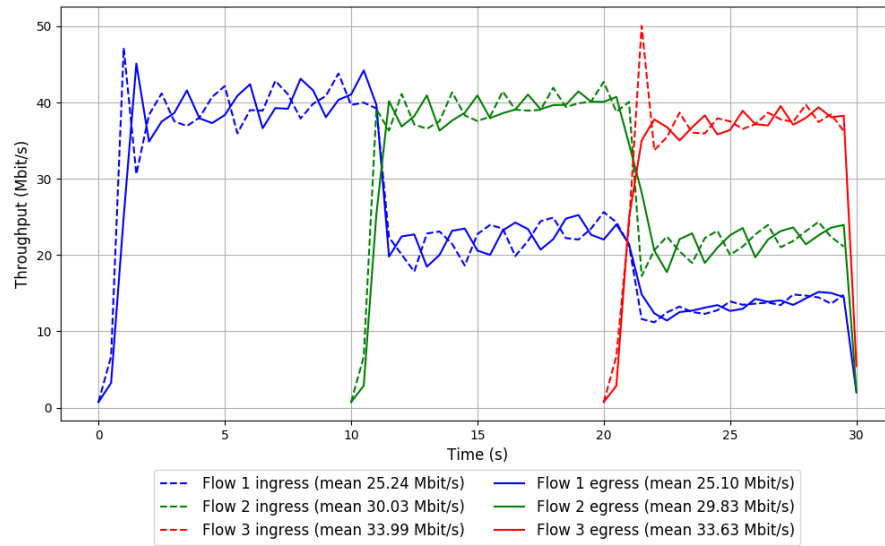
-- Flow 3:

Average throughput: 33.63 Mbit/s

95th percentile per-packet one-way delay: 112.568 ms

Loss rate: 1.05%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 20:11:42

End at: 2018-03-27 20:12:12

Local clock offset: -1.547 ms

Remote clock offset: 9.205 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 108.929 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 33.82 Mbit/s

95th percentile per-packet one-way delay: 108.242 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 30.21 Mbit/s

95th percentile per-packet one-way delay: 110.835 ms

Loss rate: 0.67%

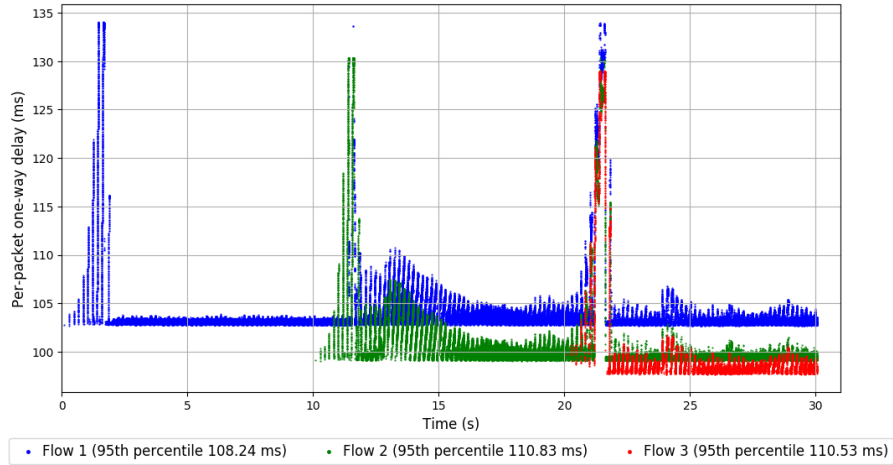
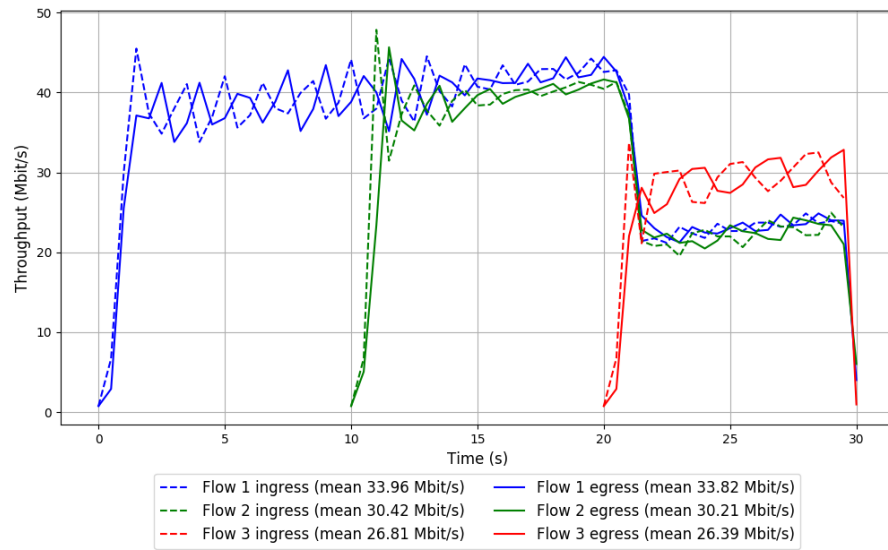
-- Flow 3:

Average throughput: 26.39 Mbit/s

95th percentile per-packet one-way delay: 110.529 ms

Loss rate: 1.59%

Run 5: Report of TCP Vegas — Data Link

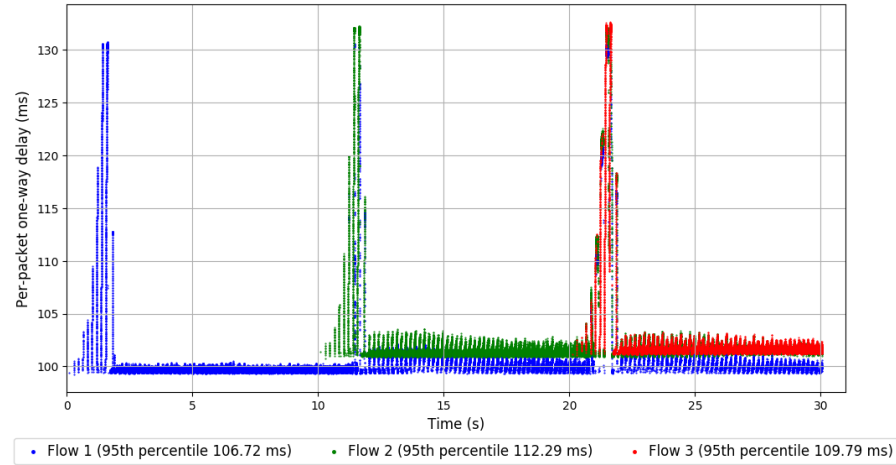
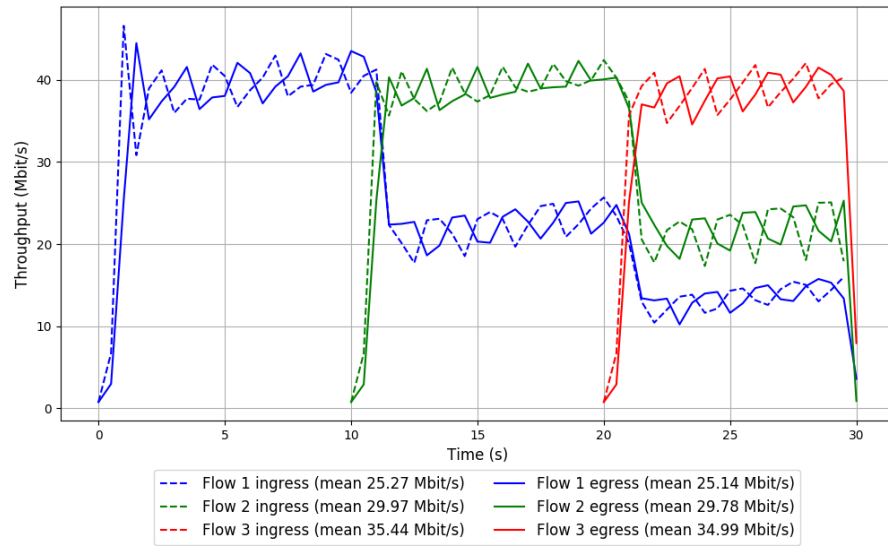


Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 20:35:53
End at: 2018-03-27 20:36:23
Local clock offset: -2.46 ms
Remote clock offset: 10.129 ms

Below is generated by plot.py at 2018-03-27 22:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 110.276 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 106.723 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 112.286 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 109.793 ms
Loss rate: 1.25%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 21:00:02

End at: 2018-03-27 21:00:32

Local clock offset: -4.962 ms

Remote clock offset: 5.738 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.98 Mbit/s

95th percentile per-packet one-way delay: 102.899 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 25.47 Mbit/s

95th percentile per-packet one-way delay: 102.306 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 29.94 Mbit/s

95th percentile per-packet one-way delay: 103.847 ms

Loss rate: 0.58%

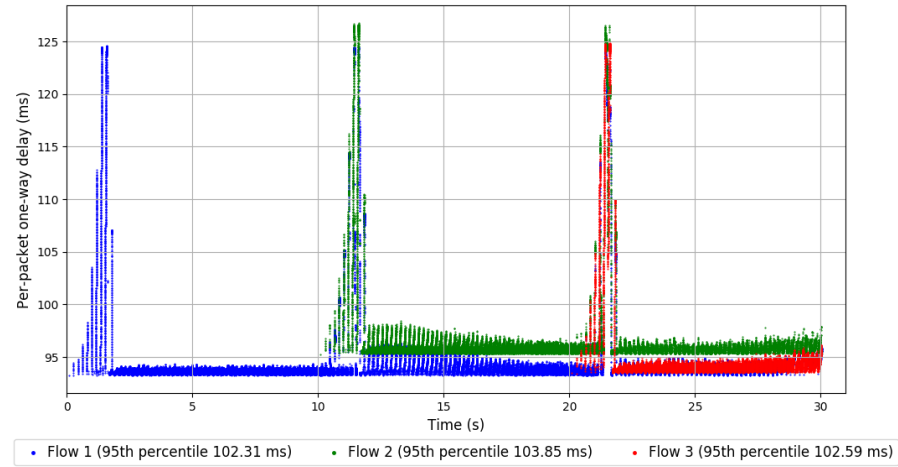
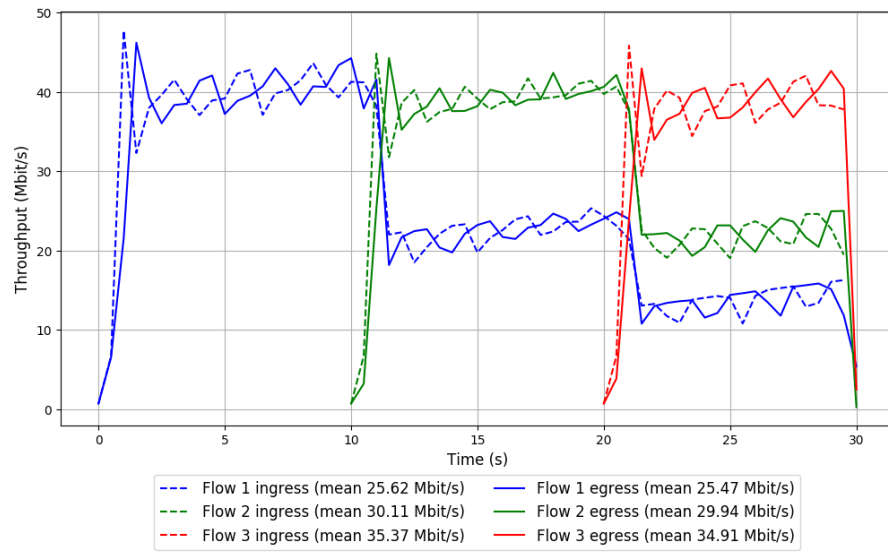
-- Flow 3:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 102.586 ms

Loss rate: 1.28%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 21:24:26

End at: 2018-03-27 21:24:56

Local clock offset: -6.794 ms

Remote clock offset: 3.752 ms

Below is generated by plot.py at 2018-03-27 22:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 107.867 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 25.09 Mbit/s

95th percentile per-packet one-way delay: 104.026 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 29.88 Mbit/s

95th percentile per-packet one-way delay: 108.486 ms

Loss rate: 0.68%

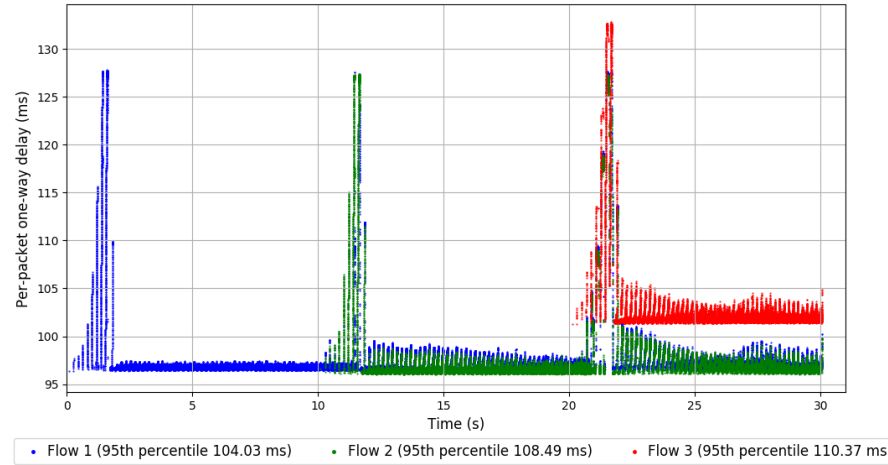
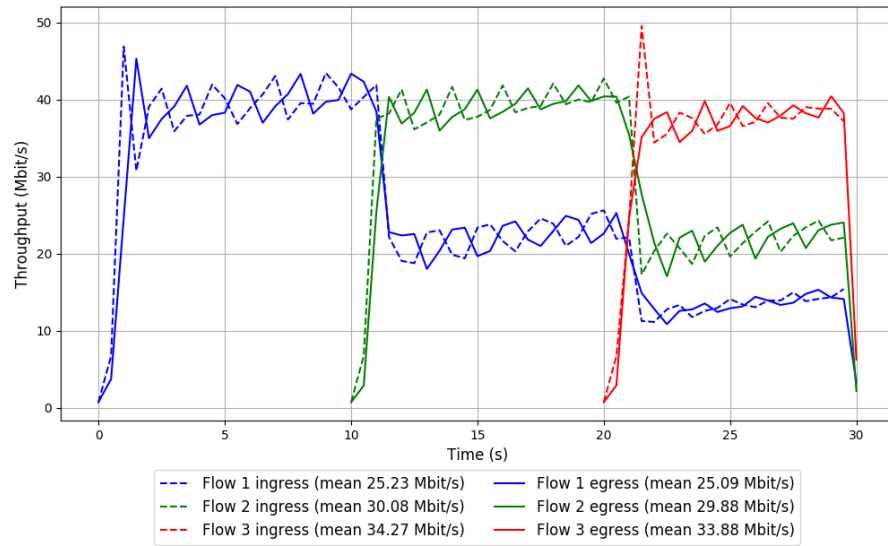
-- Flow 3:

Average throughput: 33.88 Mbit/s

95th percentile per-packet one-way delay: 110.369 ms

Loss rate: 1.10%

Run 8: Report of TCP Vegas — Data Link

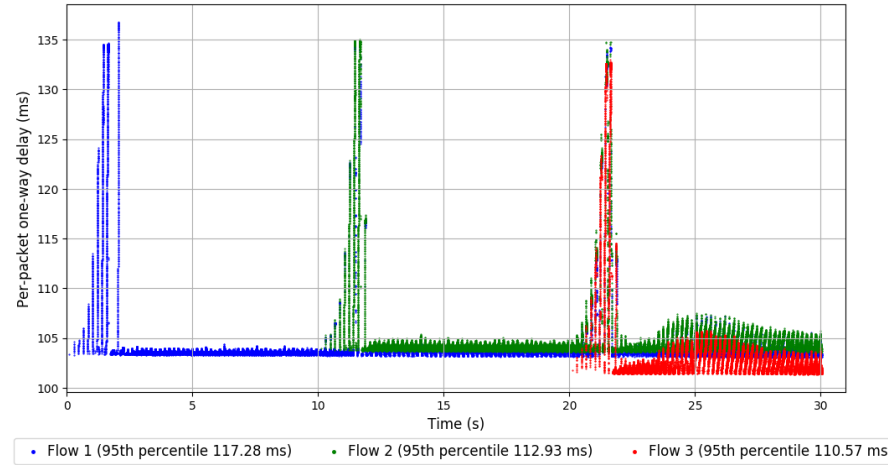
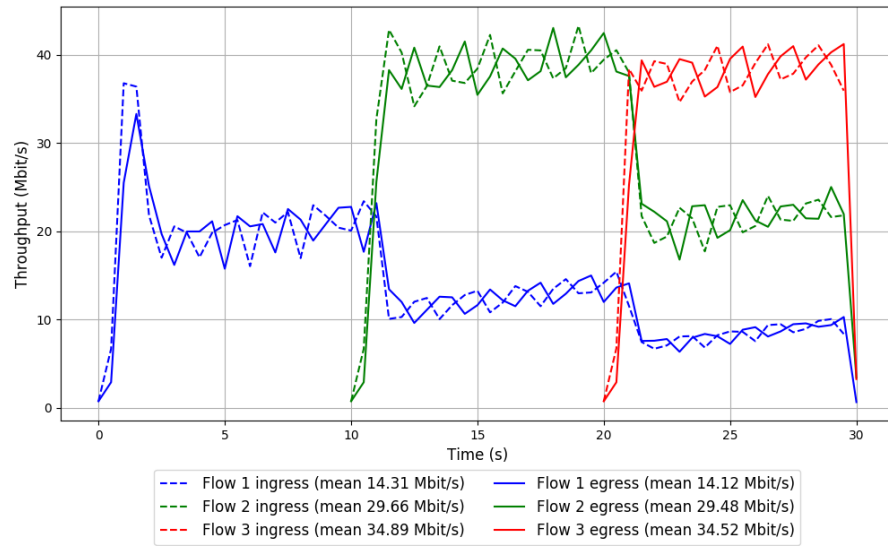


Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 21:48:48
End at: 2018-03-27 21:49:18
Local clock offset: -8.263 ms
Remote clock offset: 10.131 ms

Below is generated by plot.py at 2018-03-27 22:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 113.202 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 117.284 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 112.926 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 110.567 ms
Loss rate: 1.04%

Run 9: Report of TCP Vegas — Data Link

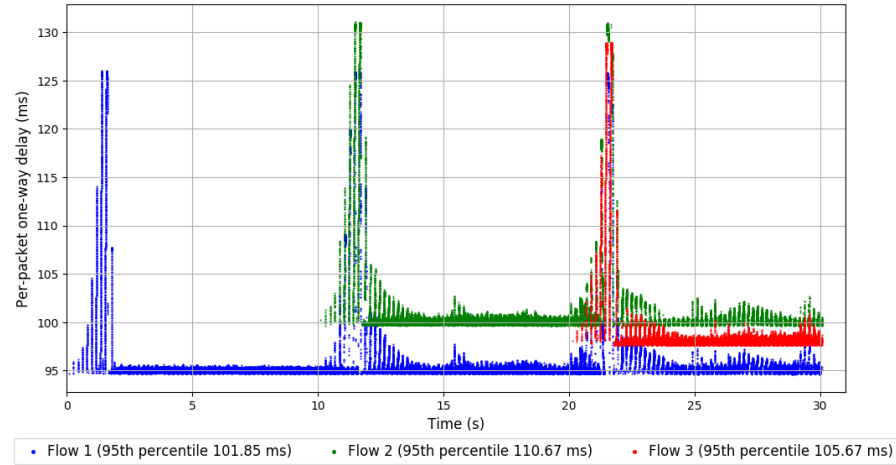
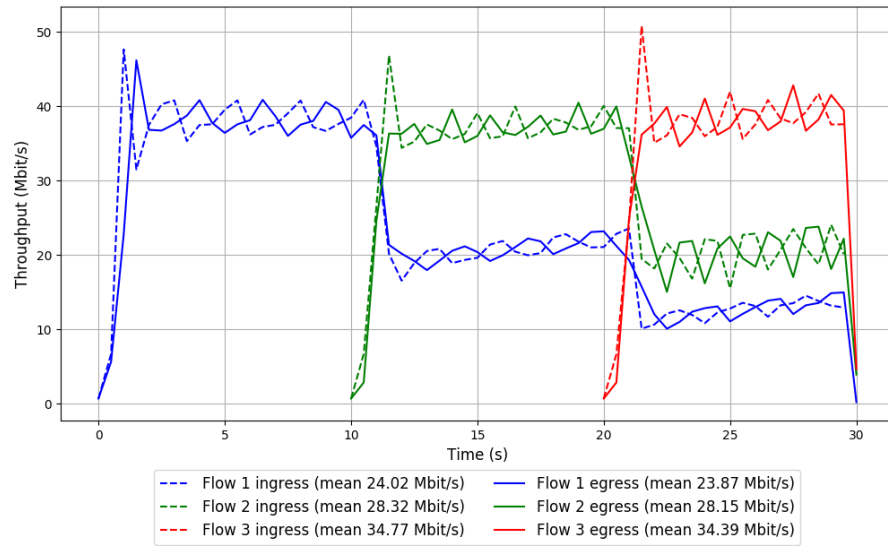


Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 22:13:08
End at: 2018-03-27 22:13:38
Local clock offset: -3.418 ms
Remote clock offset: 16.486 ms

Below is generated by plot.py at 2018-03-27 22:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 106.368 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 101.847 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 110.669 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 105.675 ms
Loss rate: 1.10%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-27 18:24:09

End at: 2018-03-27 18:24:39

Local clock offset: -3.19 ms

Remote clock offset: 2.101 ms

Below is generated by plot.py at 2018-03-27 22:54:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.06 Mbit/s

95th percentile per-packet one-way delay: 155.866 ms

Loss rate: 68.37%

-- Flow 1:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 123.240 ms

Loss rate: 14.18%

-- Flow 2:

Average throughput: 13.46 Mbit/s

95th percentile per-packet one-way delay: 123.017 ms

Loss rate: 14.20%

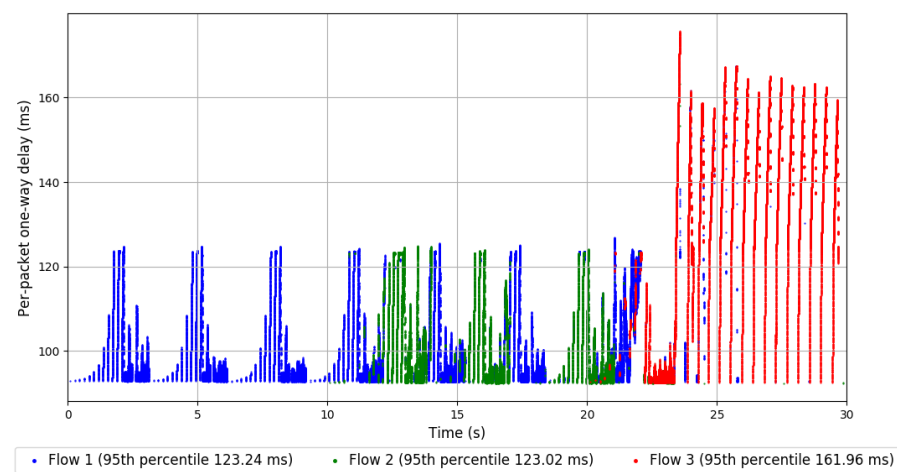
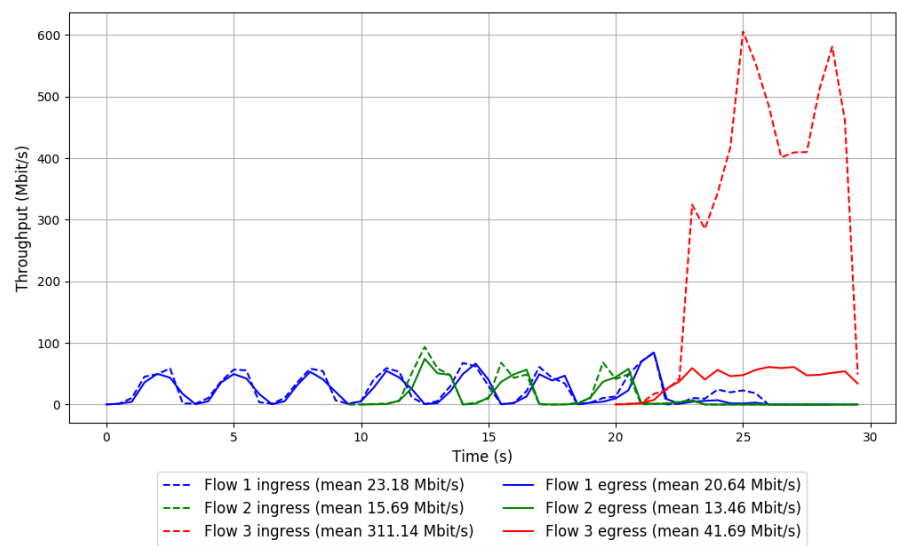
-- Flow 3:

Average throughput: 41.69 Mbit/s

95th percentile per-packet one-way delay: 161.963 ms

Loss rate: 86.56%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-27 18:48:22

End at: 2018-03-27 18:48:52

Local clock offset: -7.086 ms

Remote clock offset: 8.183 ms

Below is generated by plot.py at 2018-03-27 22:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 172.481 ms

Loss rate: 68.47%

-- Flow 1:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 136.326 ms

Loss rate: 54.90%

-- Flow 2:

Average throughput: 30.72 Mbit/s

95th percentile per-packet one-way delay: 183.140 ms

Loss rate: 78.01%

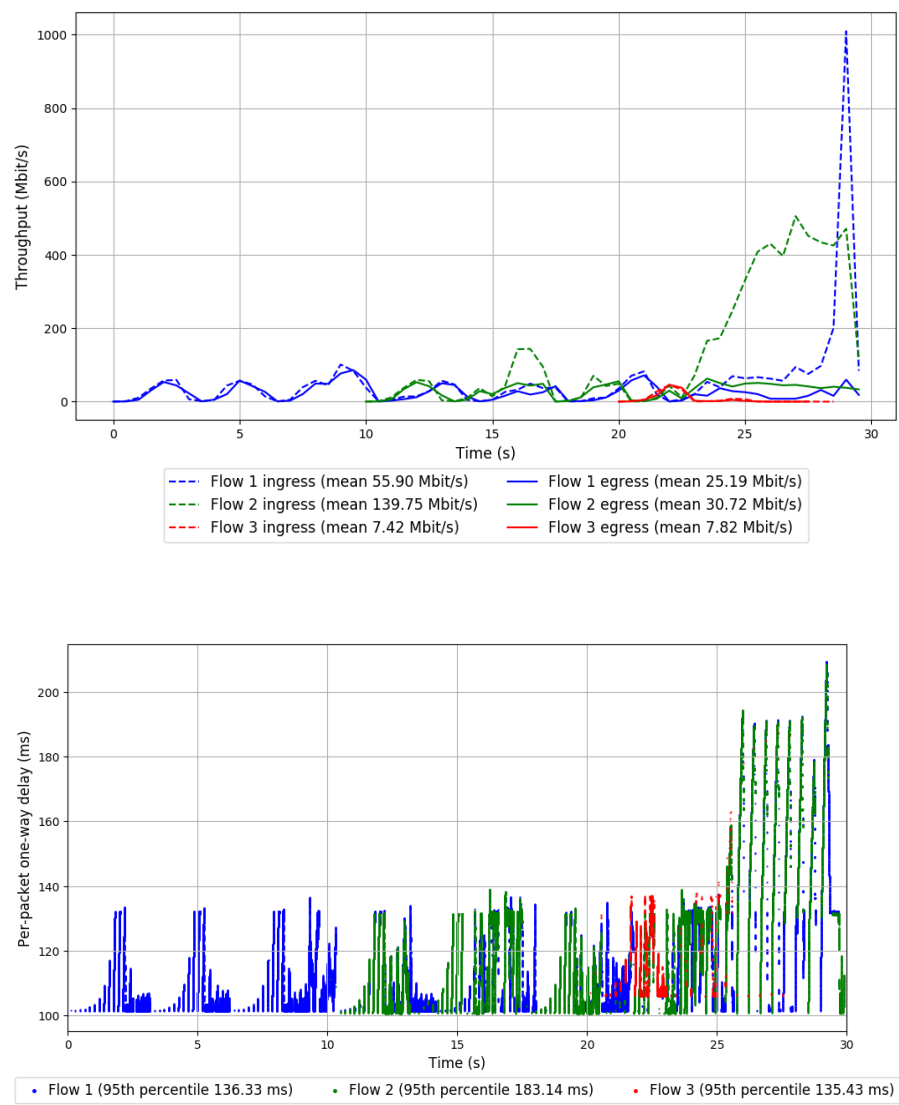
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 135.426 ms

Loss rate: 8.75%

Run 2: Report of Verus — Data Link

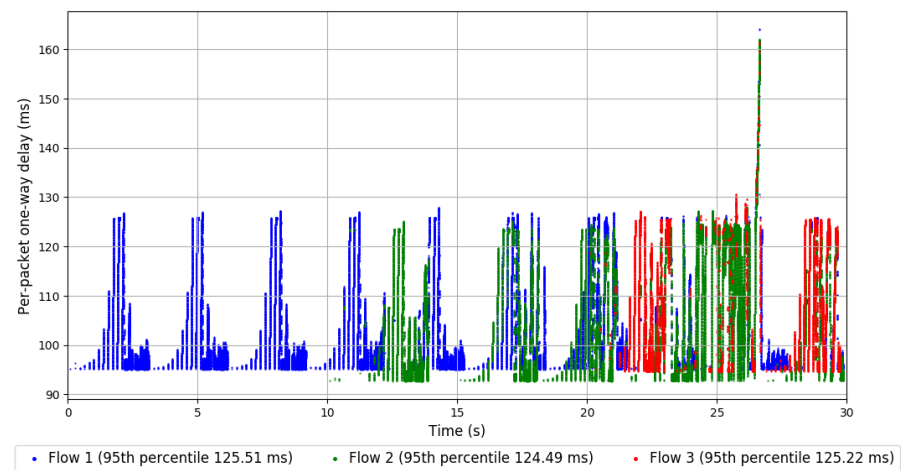
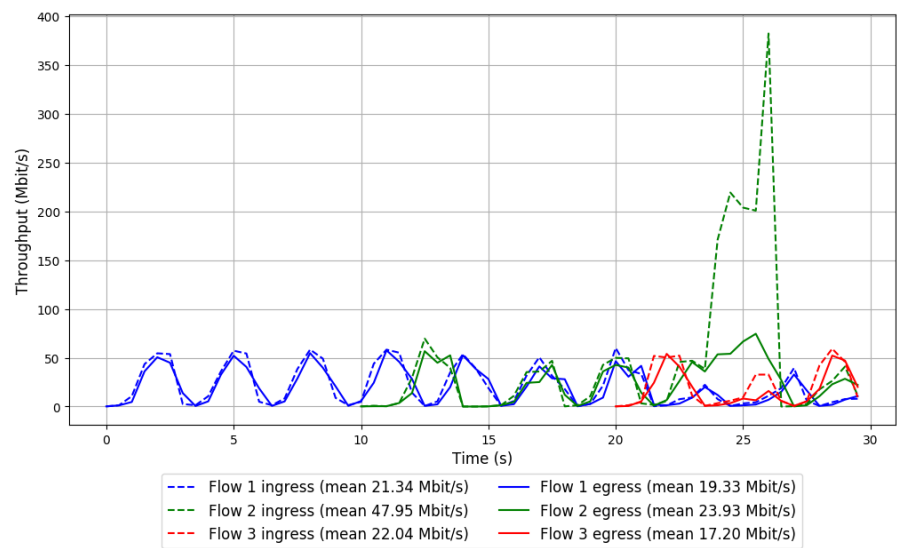


Run 3: Statistics of Verus

Start at: 2018-03-27 19:12:30
End at: 2018-03-27 19:13:00
Local clock offset: -6.186 ms
Remote clock offset: 1.714 ms

Below is generated by plot.py at 2018-03-27 22:54:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 125.225 ms
Loss rate: 32.41%
-- Flow 1:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 125.507 ms
Loss rate: 9.44%
-- Flow 2:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 124.490 ms
Loss rate: 50.10%
-- Flow 3:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 125.222 ms
Loss rate: 22.13%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-27 19:36:54

End at: 2018-03-27 19:37:24

Local clock offset: -4.46 ms

Remote clock offset: 2.696 ms

Below is generated by plot.py at 2018-03-27 22:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.16 Mbit/s

95th percentile per-packet one-way delay: 129.879 ms

Loss rate: 13.74%

-- Flow 1:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 129.812 ms

Loss rate: 9.96%

-- Flow 2:

Average throughput: 21.57 Mbit/s

95th percentile per-packet one-way delay: 131.499 ms

Loss rate: 12.28%

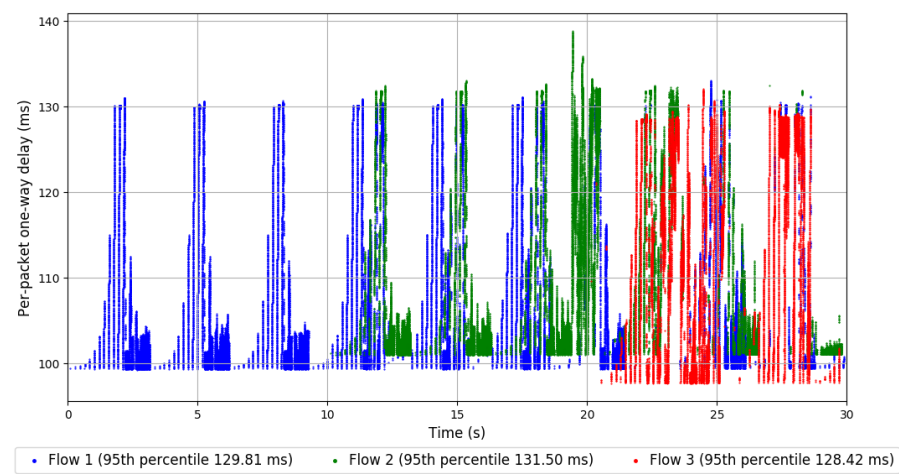
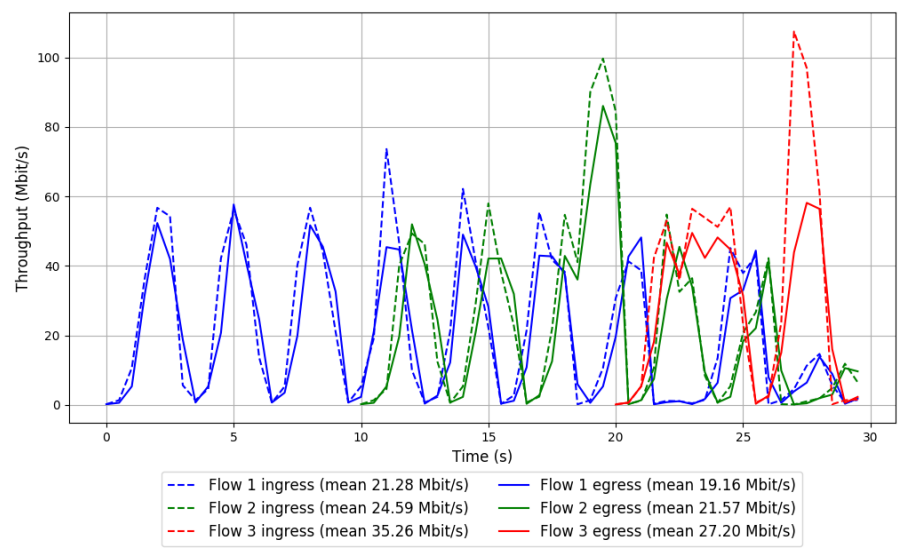
-- Flow 3:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 128.417 ms

Loss rate: 22.92%

Run 4: Report of Verus — Data Link

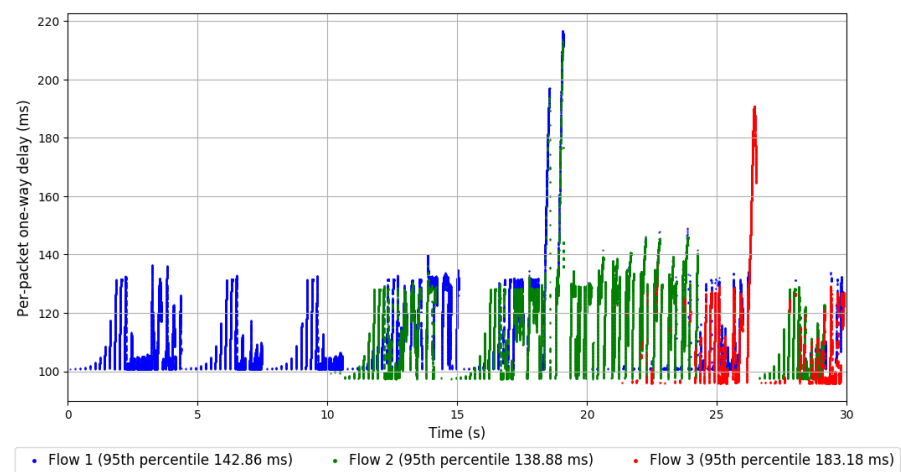
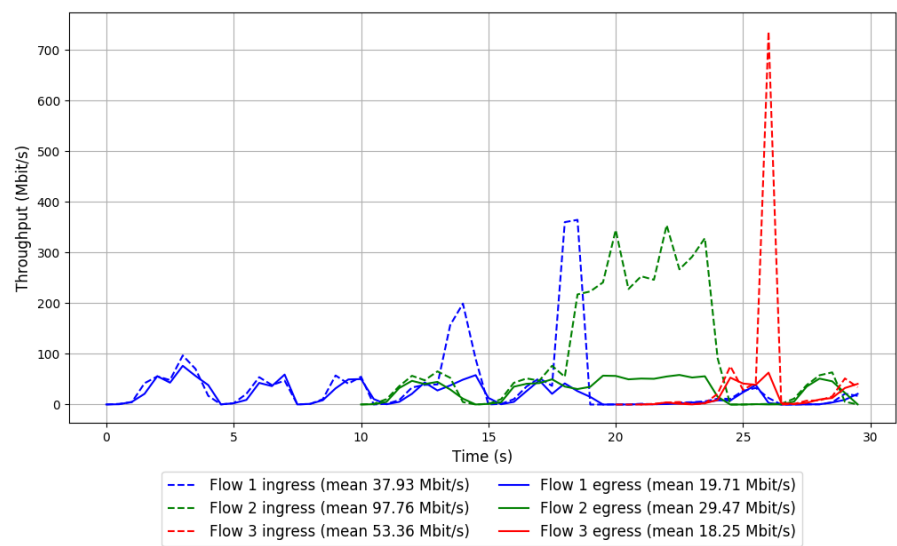


Run 5: Statistics of Verus

Start at: 2018-03-27 20:01:03
End at: 2018-03-27 20:01:33
Local clock offset: -0.939 ms
Remote clock offset: 3.42 ms

Below is generated by plot.py at 2018-03-27 22:55:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 142.982 ms
Loss rate: 62.85%
-- Flow 1:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 142.862 ms
Loss rate: 48.01%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 138.885 ms
Loss rate: 69.85%
-- Flow 3:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 183.180 ms
Loss rate: 69.30%

Run 5: Report of Verus — Data Link

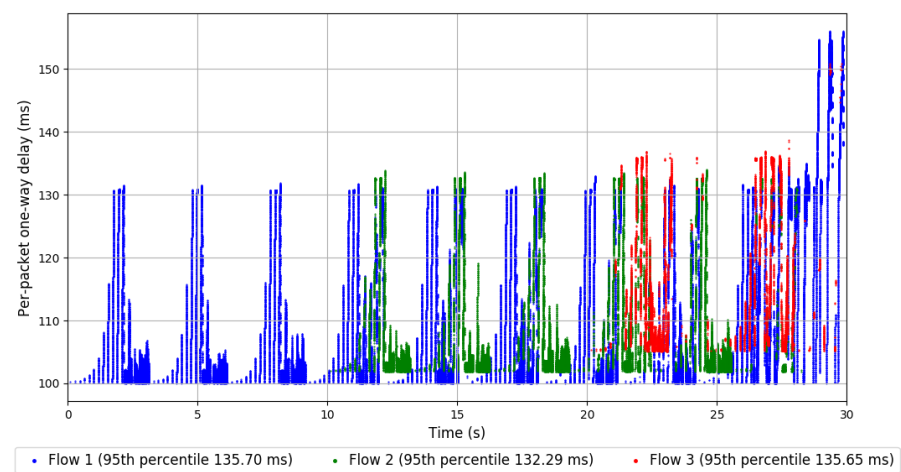
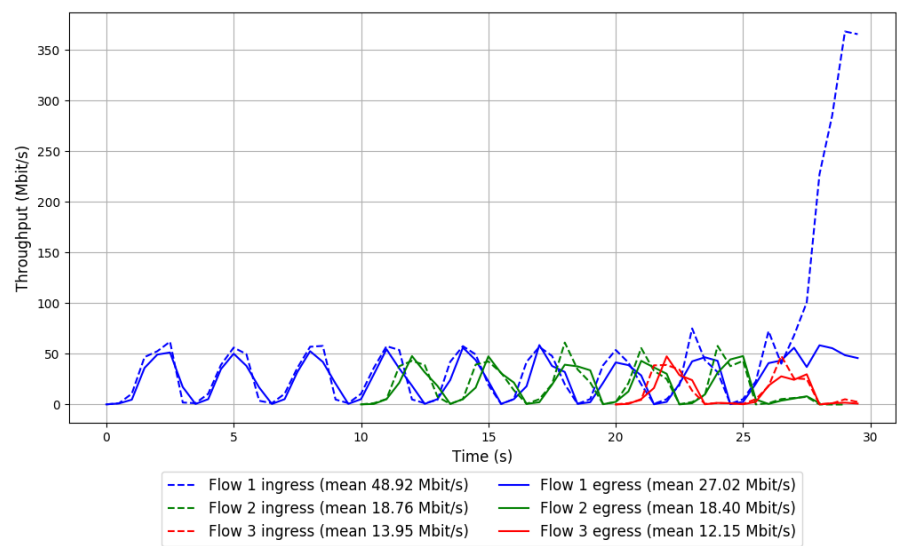


Run 6: Statistics of Verus

Start at: 2018-03-27 20:25:11
End at: 2018-03-27 20:25:41
Local clock offset: -2.585 ms
Remote clock offset: 8.769 ms

Below is generated by plot.py at 2018-03-27 22:55:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 133.258 ms
Loss rate: 35.60%
-- Flow 1:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 135.703 ms
Loss rate: 44.70%
-- Flow 2:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 132.289 ms
Loss rate: 7.54%
-- Flow 3:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 135.650 ms
Loss rate: 12.50%

Run 6: Report of Verus — Data Link

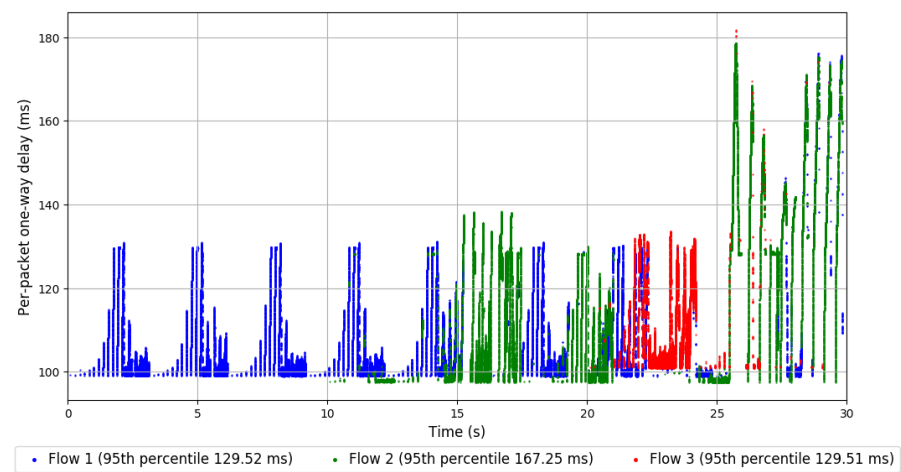
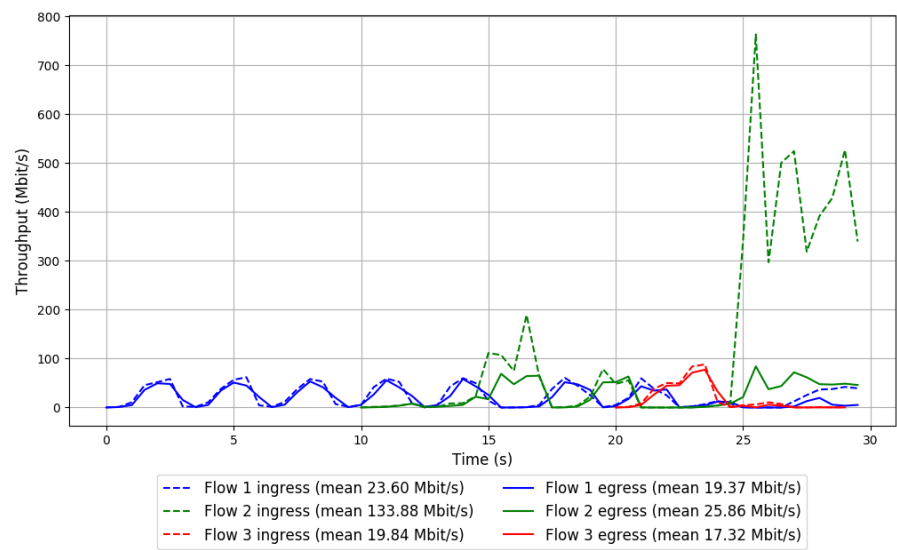


Run 7: Statistics of Verus

Start at: 2018-03-27 20:49:19
End at: 2018-03-27 20:49:49
Local clock offset: -4.18 ms
Remote clock offset: 10.647 ms

Below is generated by plot.py at 2018-03-27 22:55:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 156.259 ms
Loss rate: 64.56%
-- Flow 1:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 129.520 ms
Loss rate: 17.88%
-- Flow 2:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 167.254 ms
Loss rate: 80.62%
-- Flow 3:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 129.511 ms
Loss rate: 12.05%

Run 7: Report of Verus — Data Link

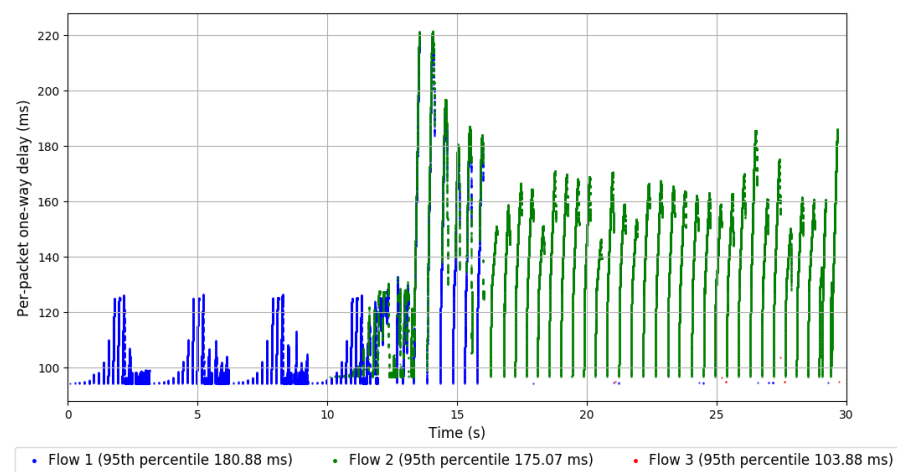
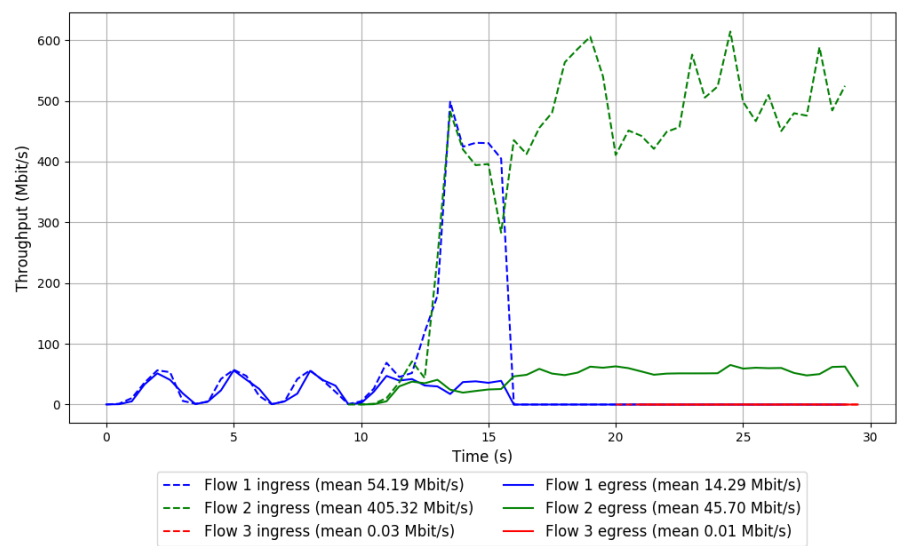


Run 8: Statistics of Verus

Start at: 2018-03-27 21:13:34
End at: 2018-03-27 21:14:04
Local clock offset: -5.343 ms
Remote clock offset: 4.644 ms

```
# Below is generated by plot.py at 2018-03-27 22:56:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 177.526 ms
Loss rate: 86.18%
-- Flow 1:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 180.878 ms
Loss rate: 73.79%
-- Flow 2:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 175.071 ms
Loss rate: 88.68%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 103.883 ms
Loss rate: 66.67%
```

Run 8: Report of Verus — Data Link

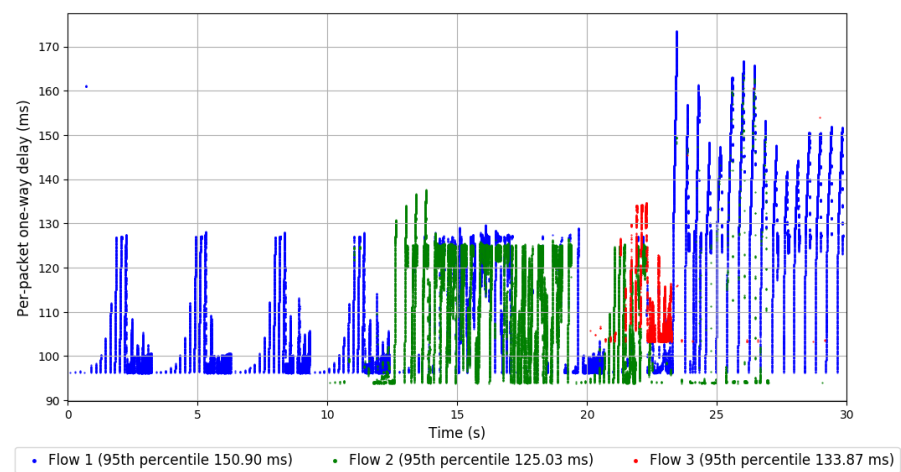
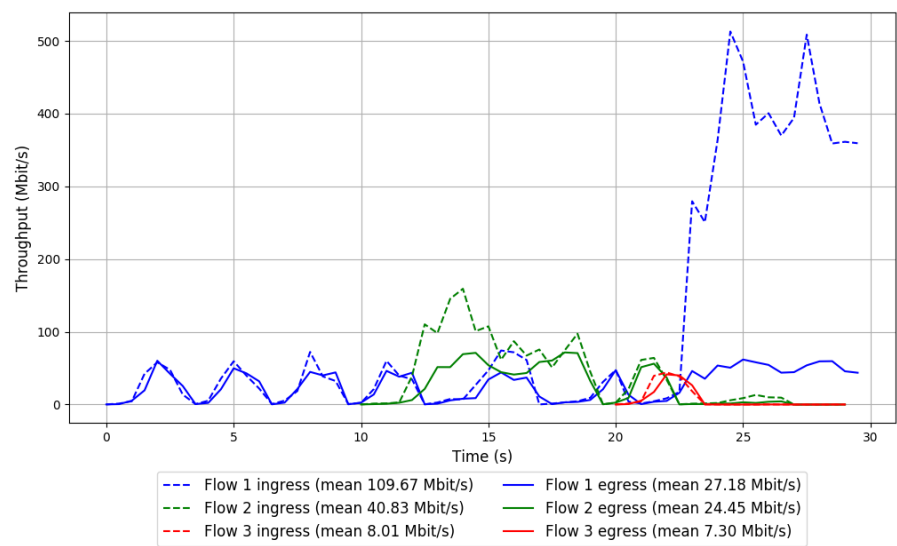


Run 9: Statistics of Verus

Start at: 2018-03-27 21:37:54
End at: 2018-03-27 21:38:24
Local clock offset: -7.704 ms
Remote clock offset: 2.368 ms

Below is generated by plot.py at 2018-03-27 22:56:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 147.110 ms
Loss rate: 67.48%
-- Flow 1:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 150.896 ms
Loss rate: 75.19%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 125.028 ms
Loss rate: 40.68%
-- Flow 3:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 133.865 ms
Loss rate: 10.74%

Run 9: Report of Verus — Data Link

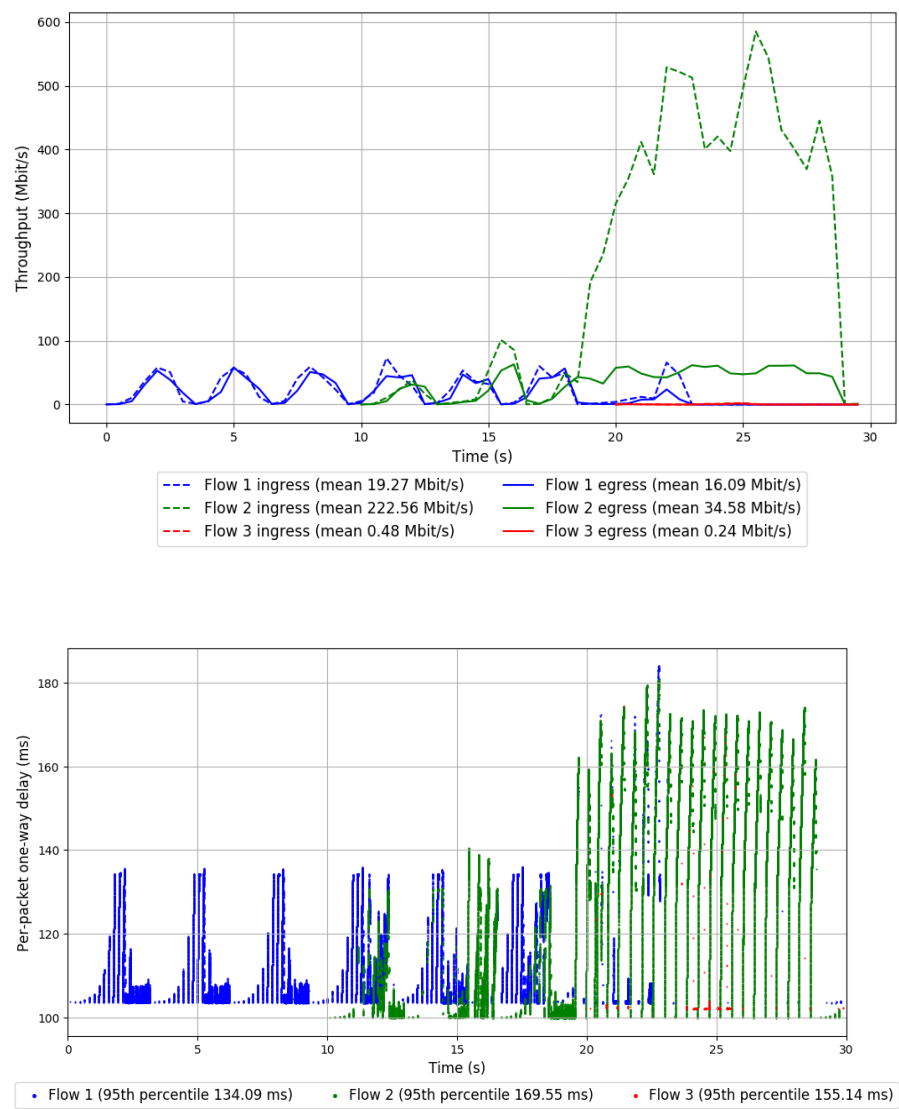


Run 10: Statistics of Verus

Start at: 2018-03-27 22:02:26
End at: 2018-03-27 22:02:56
Local clock offset: -4.524 ms
Remote clock offset: 19.123 ms

```
# Below is generated by plot.py at 2018-03-27 22:56:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 167.071 ms
Loss rate: 76.56%
-- Flow 1:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 134.090 ms
Loss rate: 16.50%
-- Flow 2:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 169.554 ms
Loss rate: 84.46%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 155.141 ms
Loss rate: 48.72%
```

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-27 18:36:10

End at: 2018-03-27 18:36:40

Local clock offset: -6.094 ms

Remote clock offset: 1.926 ms

Below is generated by plot.py at 2018-03-27 23:01:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 128.899 ms

Loss rate: 89.65%

-- Flow 1:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 128.899 ms

Loss rate: 89.65%

-- Flow 2:

Average throughput: 0.00 Mbit/s

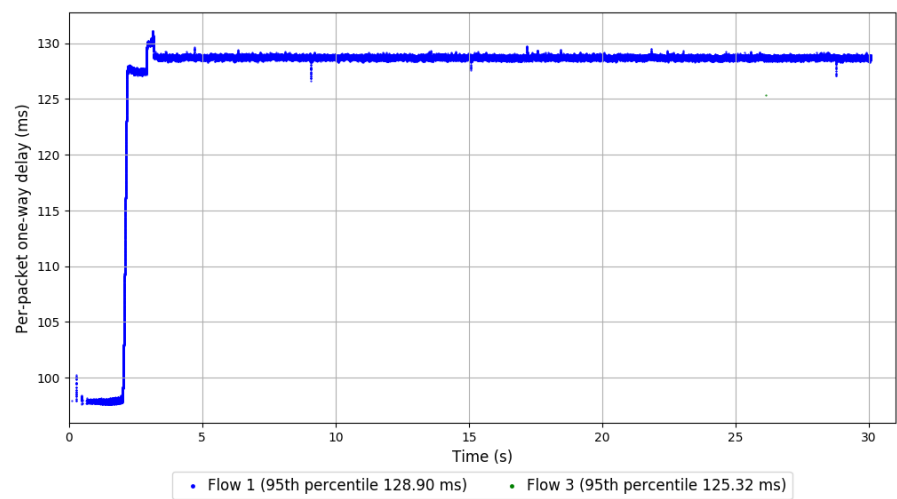
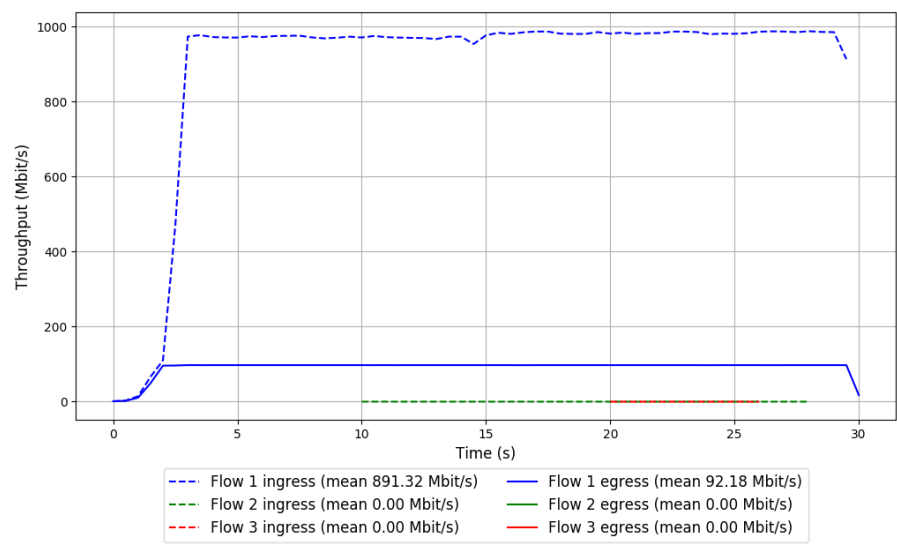
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 125.319 ms

Loss rate: 75.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-27 19:00:23

End at: 2018-03-27 19:00:53

Local clock offset: -7.224 ms

Remote clock offset: 1.742 ms

Below is generated by plot.py at 2018-03-27 23:01:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 125.700 ms

Loss rate: 88.16%

-- Flow 1:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 125.700 ms

Loss rate: 88.16%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 127.364 ms

Loss rate: 83.33%

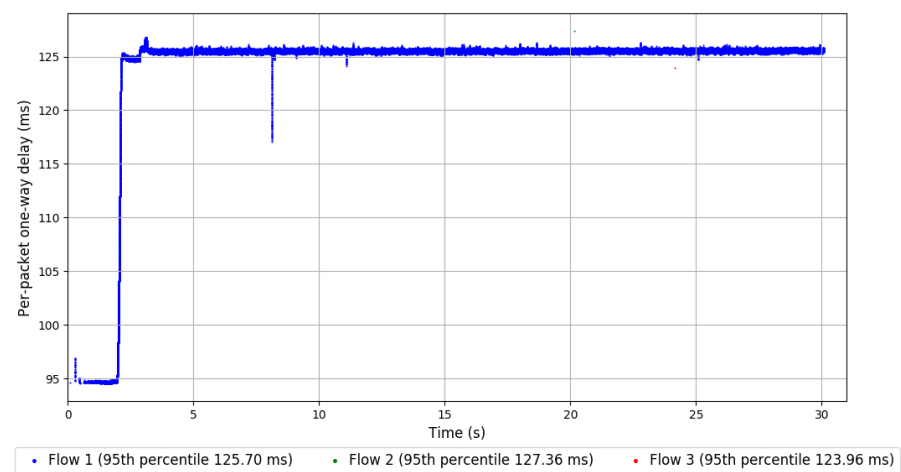
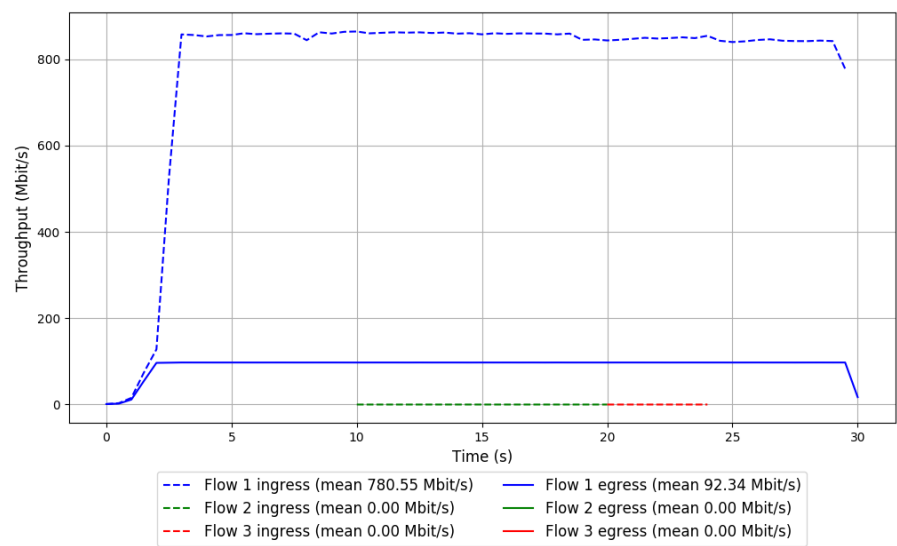
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 123.960 ms

Loss rate: 66.67%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-27 19:24:28

End at: 2018-03-27 19:24:58

Local clock offset: -6.022 ms

Remote clock offset: 8.919 ms

Below is generated by plot.py at 2018-03-27 23:01:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 136.481 ms

Loss rate: 89.47%

-- Flow 1:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 136.481 ms

Loss rate: 89.47%

-- Flow 2:

Average throughput: 0.00 Mbit/s

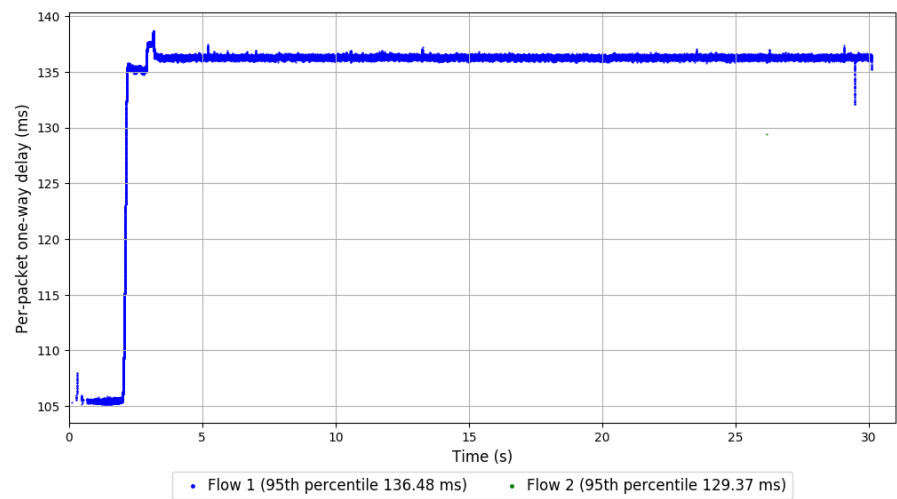
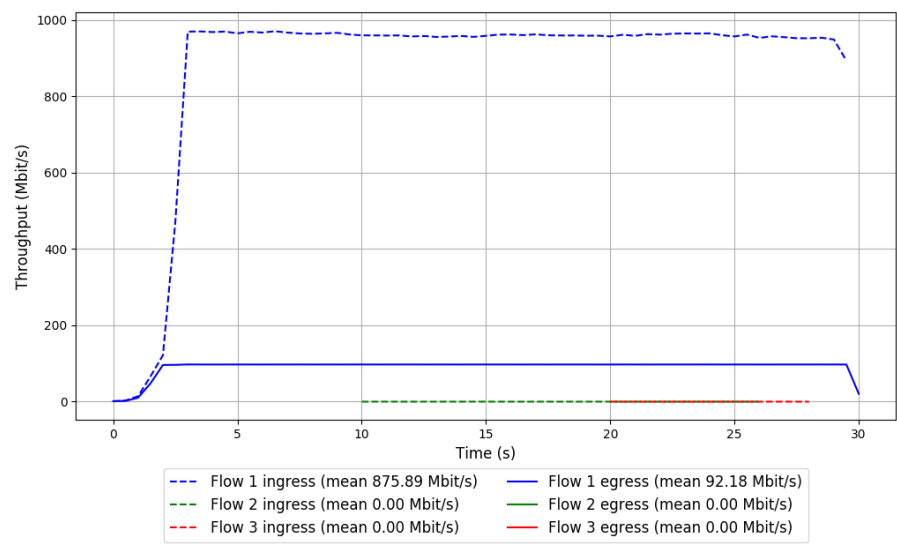
95th percentile per-packet one-way delay: 129.373 ms

Loss rate: 88.89%

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 3: Report of Copa — Data Link

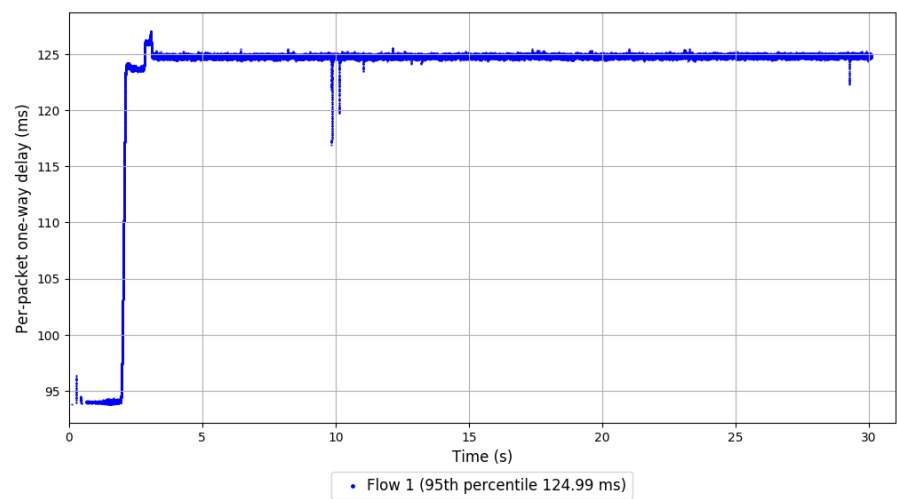
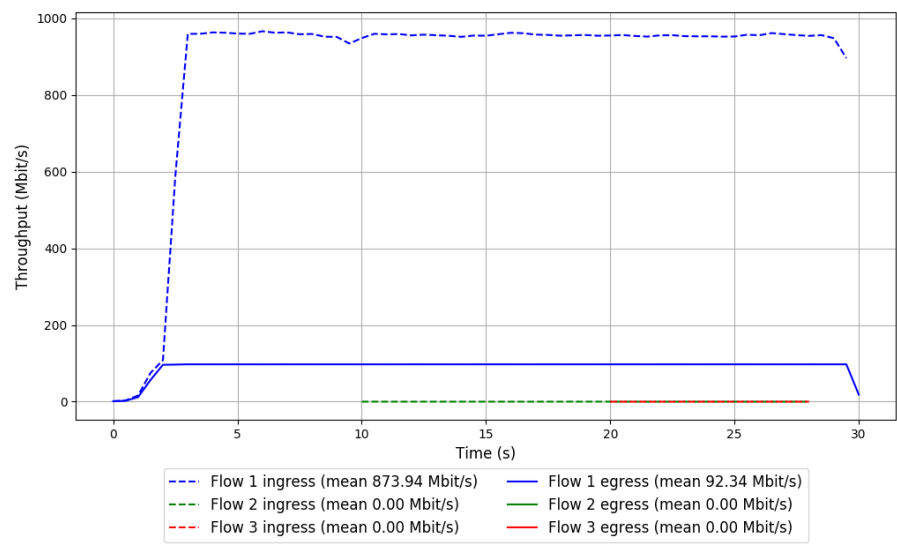


Run 4: Statistics of Copa

Start at: 2018-03-27 19:48:53
End at: 2018-03-27 19:49:23
Local clock offset: -2.124 ms
Remote clock offset: 3.037 ms

```
# Below is generated by plot.py at 2018-03-27 23:01:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 124.986 ms
Loss rate: 89.42%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 124.986 ms
Loss rate: 89.42%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-27 20:13:01

End at: 2018-03-27 20:13:31

Local clock offset: -1.751 ms

Remote clock offset: 2.871 ms

Below is generated by plot.py at 2018-03-27 23:01:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 132.758 ms

Loss rate: 88.74%

-- Flow 1:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 132.758 ms

Loss rate: 88.74%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 132.304 ms

Loss rate: 80.00%

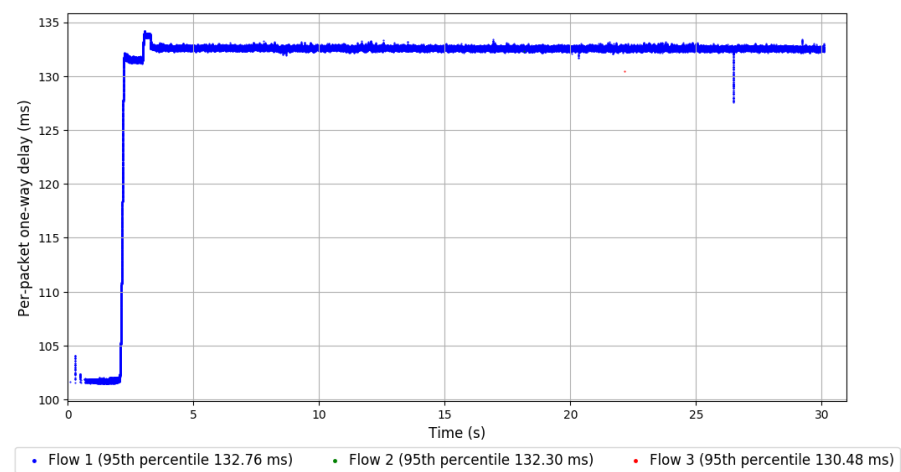
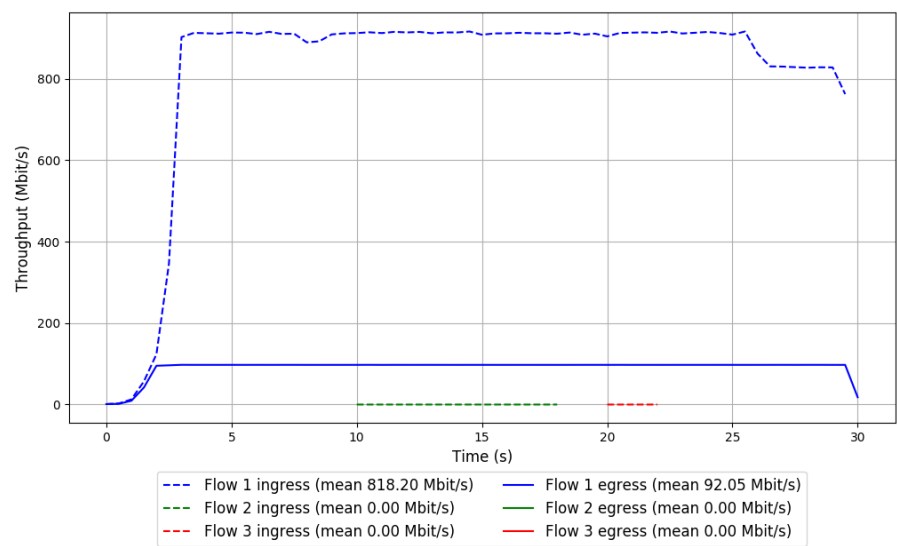
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 130.476 ms

Loss rate: 50.00%

Run 5: Report of Copa — Data Link

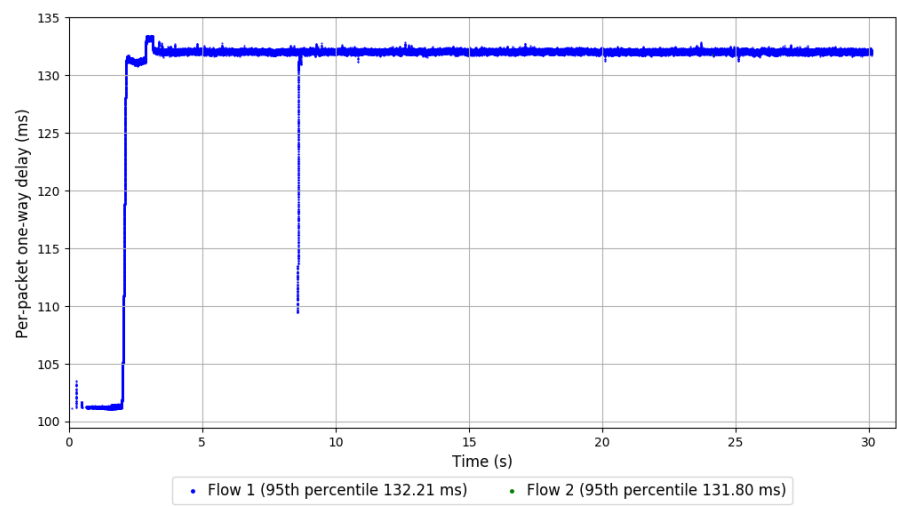
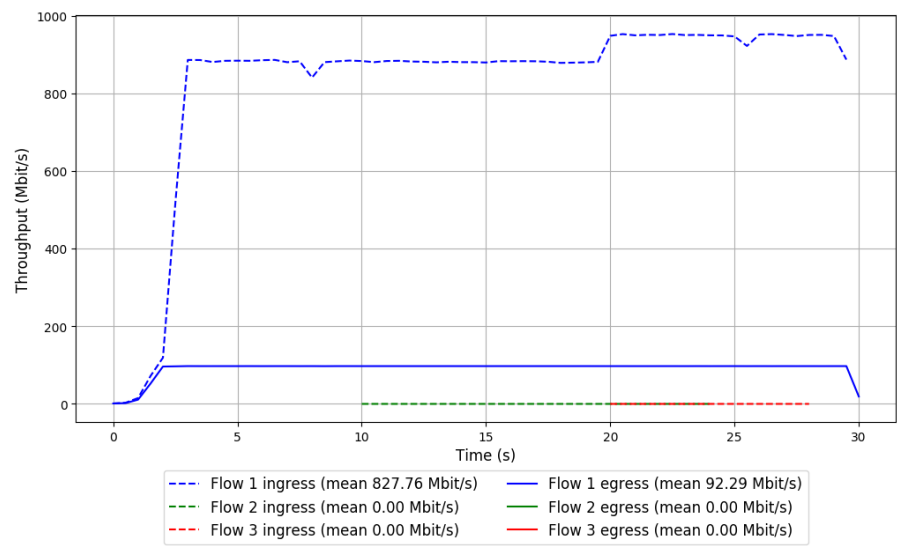


Run 6: Statistics of Copa

Start at: 2018-03-27 20:37:11
End at: 2018-03-27 20:37:41
Local clock offset: -2.433 ms
Remote clock offset: 10.228 ms

Below is generated by plot.py at 2018-03-27 23:01:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 132.206 ms
Loss rate: 88.84%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 132.206 ms
Loss rate: 88.84%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 131.803 ms
Loss rate: 87.50%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 6: Report of Copa — Data Link

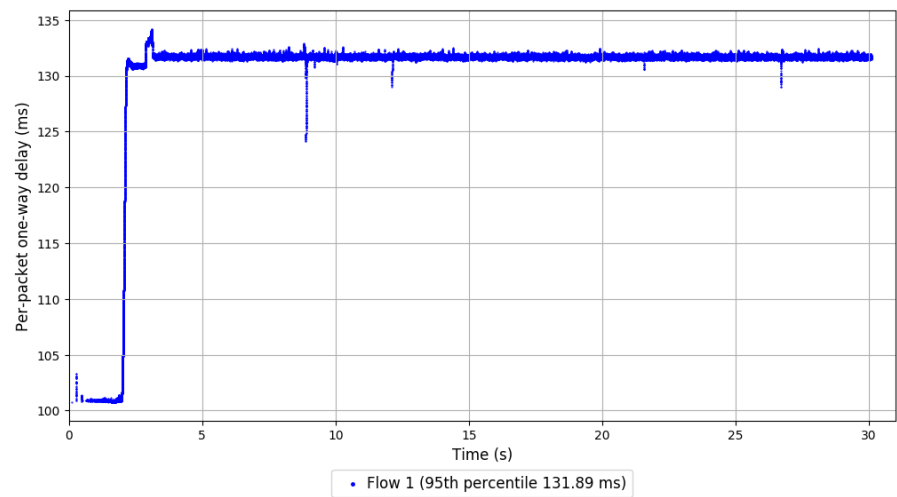
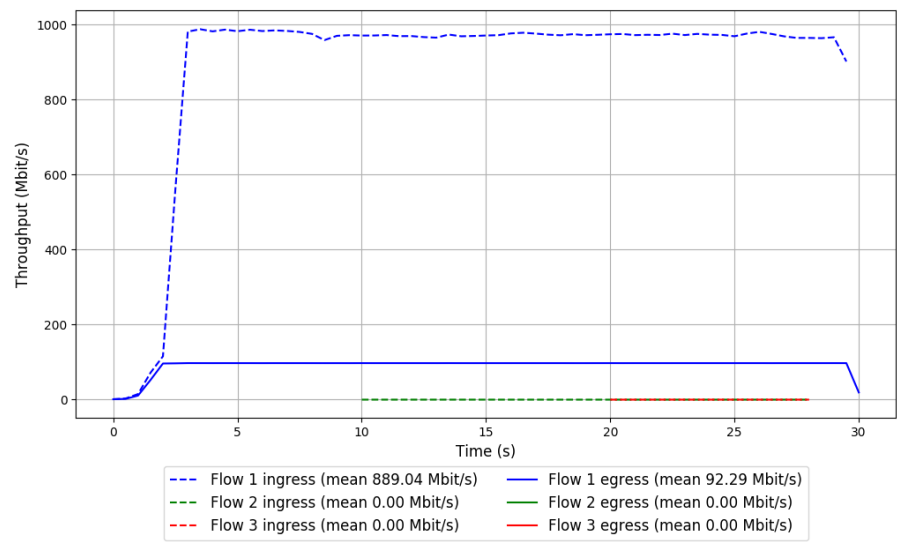


Run 7: Statistics of Copa

Start at: 2018-03-27 21:01:20
End at: 2018-03-27 21:01:50
Local clock offset: -4.994 ms
Remote clock offset: 11.252 ms

```
# Below is generated by plot.py at 2018-03-27 23:02:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 131.888 ms
Loss rate: 89.61%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 131.888 ms
Loss rate: 89.61%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```


Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-27 21:25:44

End at: 2018-03-27 21:26:14

Local clock offset: -6.988 ms

Remote clock offset: 2.676 ms

Below is generated by plot.py at 2018-03-27 23:02:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 131.970 ms

Loss rate: 88.92%

-- Flow 1:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 131.970 ms

Loss rate: 88.92%

-- Flow 2:

Average throughput: 0.00 Mbit/s

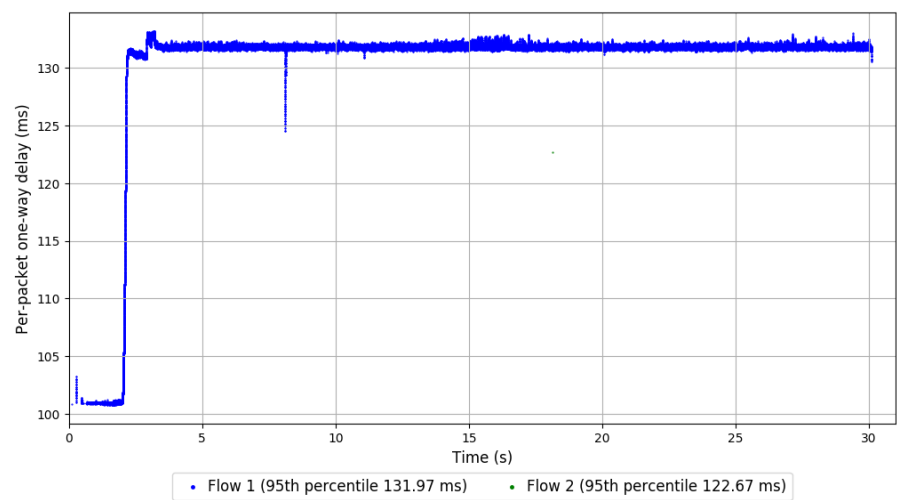
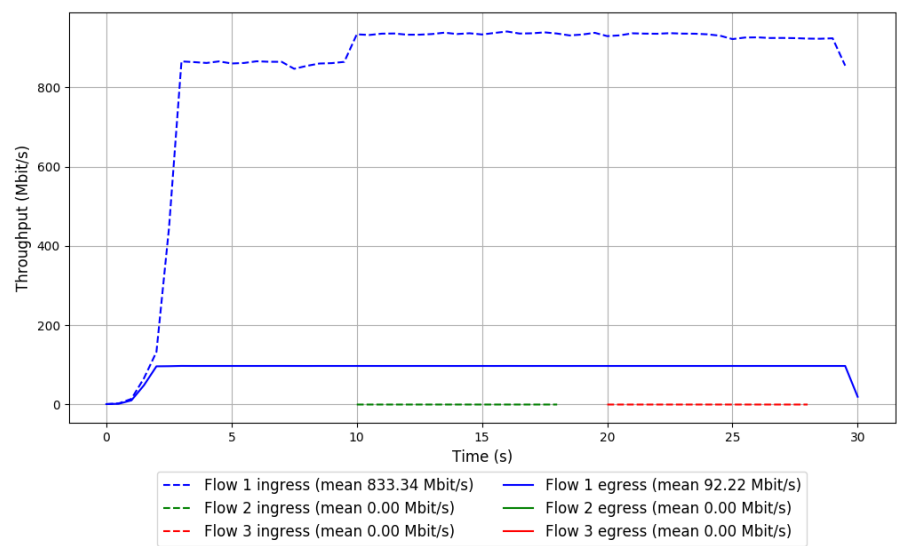
95th percentile per-packet one-way delay: 122.667 ms

Loss rate: 80.00%

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 8: Report of Copa — Data Link

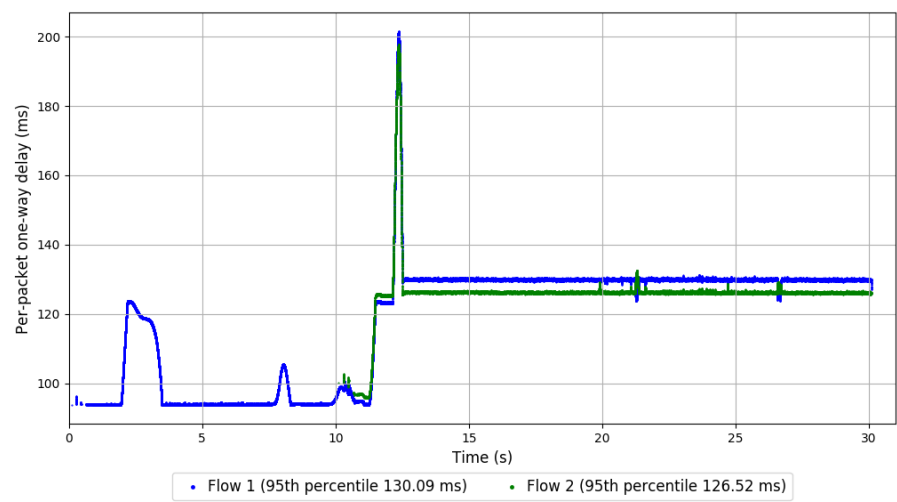
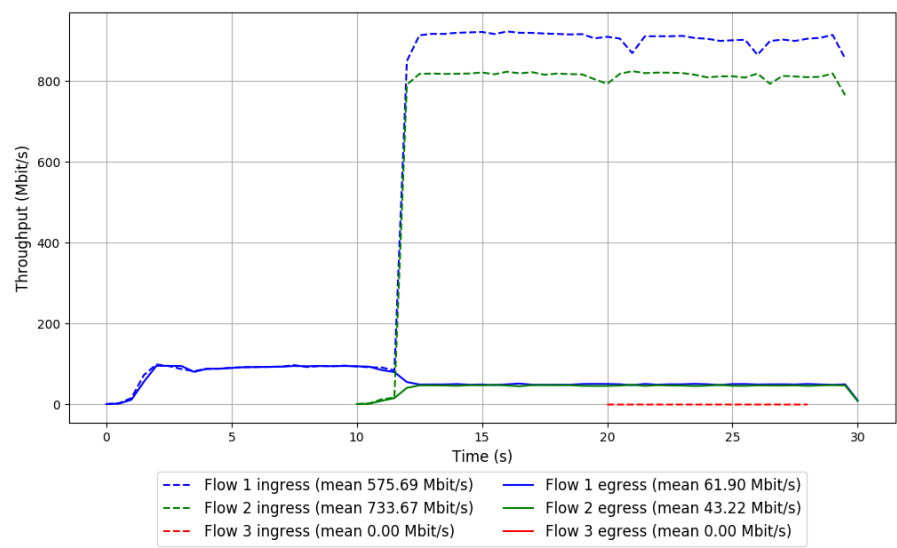


Run 9: Statistics of Copa

Start at: 2018-03-27 21:50:05
End at: 2018-03-27 21:50:35
Local clock offset: -7.84 ms
Remote clock offset: 4.712 ms

```
# Below is generated by plot.py at 2018-03-27 23:11:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 130.071 ms
Loss rate: 91.47%
-- Flow 1:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 130.092 ms
Loss rate: 89.23%
-- Flow 2:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 126.519 ms
Loss rate: 94.10%
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

Run 9: Report of Copa — Data Link

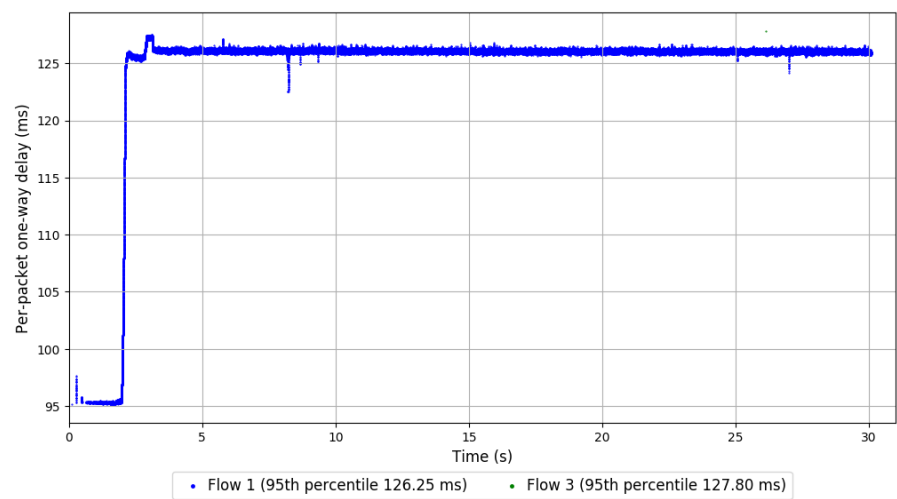
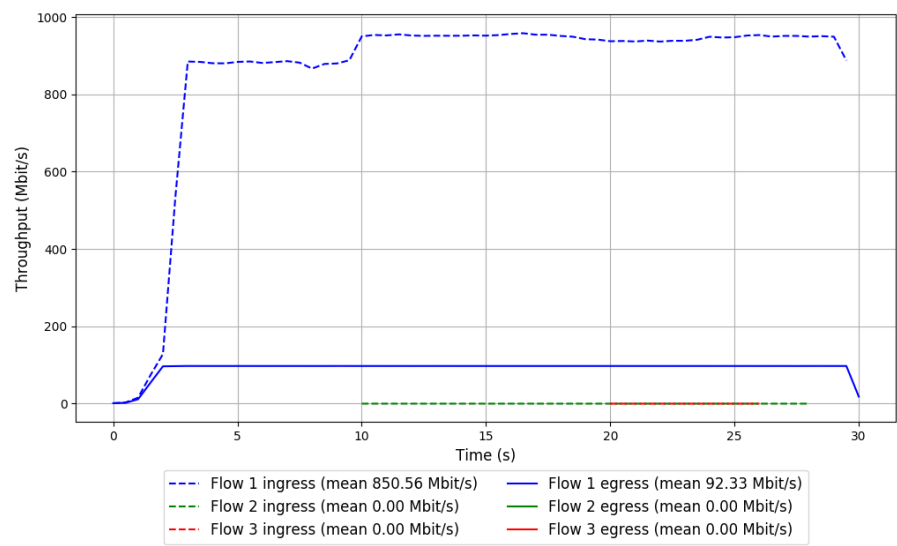


Run 10: Statistics of Copa

Start at: 2018-03-27 22:14:26
End at: 2018-03-27 22:14:56
Local clock offset: -3.333 ms
Remote clock offset: 15.778 ms

Below is generated by plot.py at 2018-03-27 23:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 126.251 ms
Loss rate: 89.13%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 126.251 ms
Loss rate: 89.13%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 127.795 ms
Loss rate: 75.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-27 18:18:55

End at: 2018-03-27 18:19:25

Local clock offset: -3.388 ms

Remote clock offset: 3.154 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 131.336 ms

Loss rate: 32.14%

-- Flow 1:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 131.350 ms

Loss rate: 24.66%

-- Flow 2:

Average throughput: 39.45 Mbit/s

95th percentile per-packet one-way delay: 122.430 ms

Loss rate: 35.03%

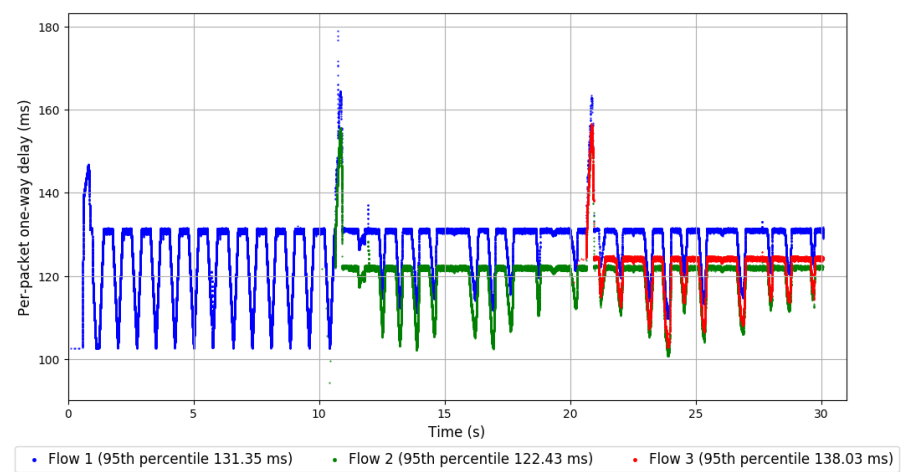
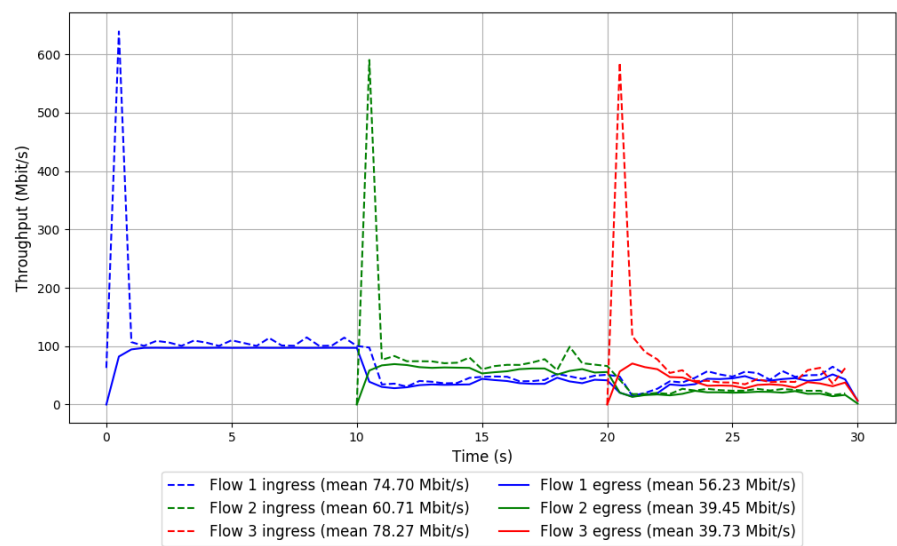
-- Flow 3:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 138.031 ms

Loss rate: 49.20%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-27 18:43:09

End at: 2018-03-27 18:43:39

Local clock offset: -6.764 ms

Remote clock offset: 9.124 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 137.594 ms

Loss rate: 32.53%

-- Flow 1:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 132.346 ms

Loss rate: 24.86%

-- Flow 2:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 129.018 ms

Loss rate: 40.06%

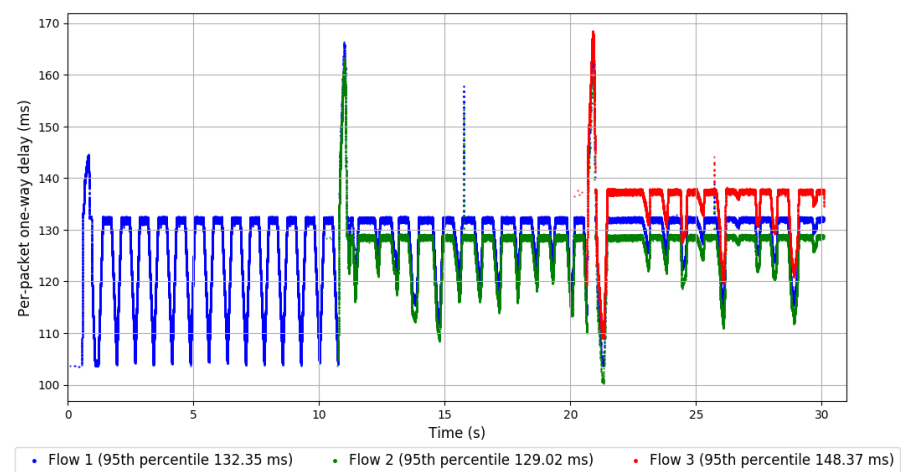
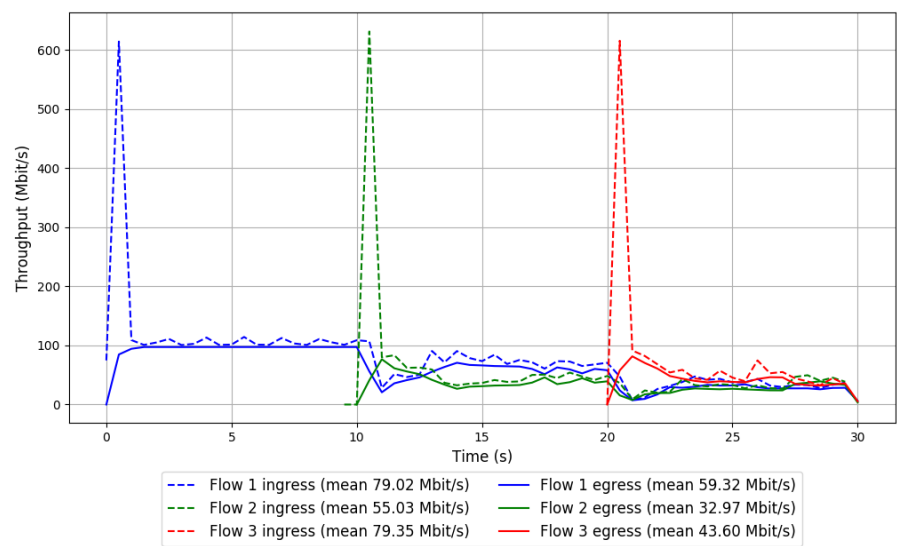
-- Flow 3:

Average throughput: 43.60 Mbit/s

95th percentile per-packet one-way delay: 148.367 ms

Loss rate: 45.07%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-27 19:07:17

End at: 2018-03-27 19:07:47

Local clock offset: -6.505 ms

Remote clock offset: 9.182 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 131.440 ms

Loss rate: 31.64%

-- Flow 1:

Average throughput: 58.06 Mbit/s

95th percentile per-packet one-way delay: 131.404 ms

Loss rate: 24.61%

-- Flow 2:

Average throughput: 35.40 Mbit/s

95th percentile per-packet one-way delay: 131.498 ms

Loss rate: 37.06%

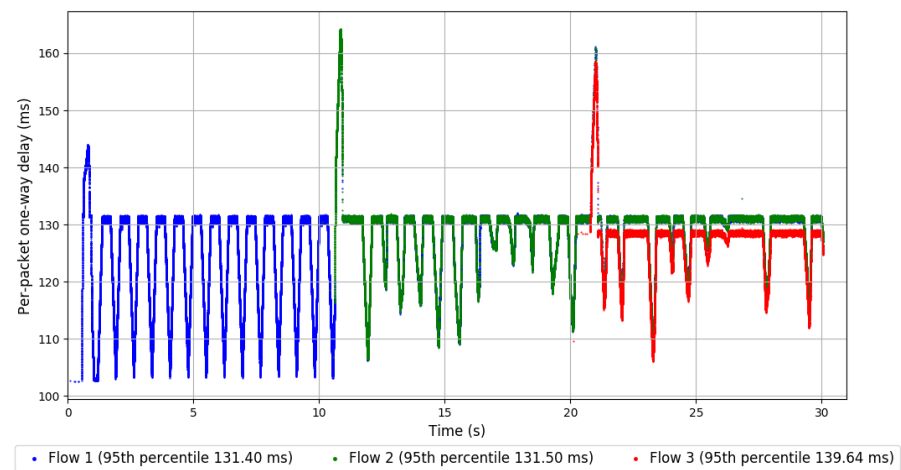
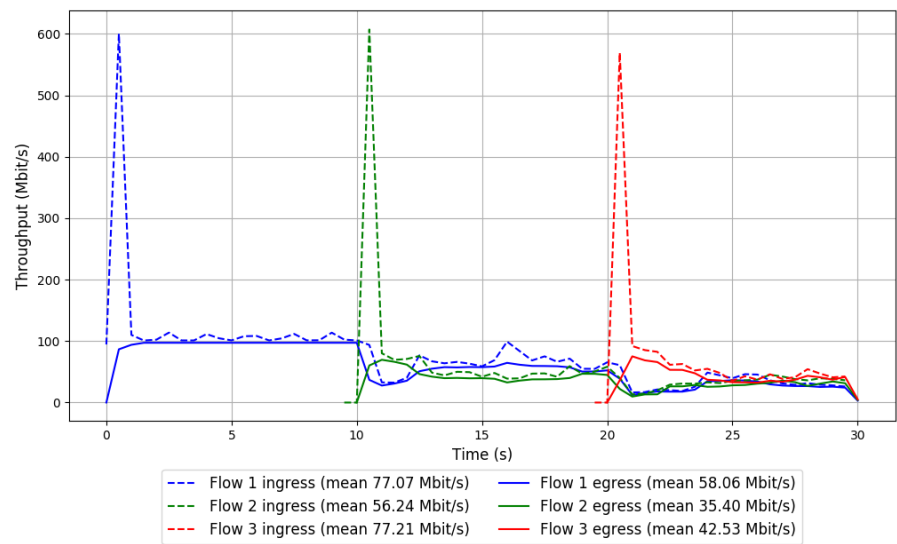
-- Flow 3:

Average throughput: 42.53 Mbit/s

95th percentile per-packet one-way delay: 139.643 ms

Loss rate: 44.84%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-27 19:31:39

End at: 2018-03-27 19:32:09

Local clock offset: -5.901 ms

Remote clock offset: 2.495 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 131.352 ms

Loss rate: 32.12%

-- Flow 1:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 131.374 ms

Loss rate: 25.45%

-- Flow 2:

Average throughput: 37.99 Mbit/s

95th percentile per-packet one-way delay: 122.372 ms

Loss rate: 37.31%

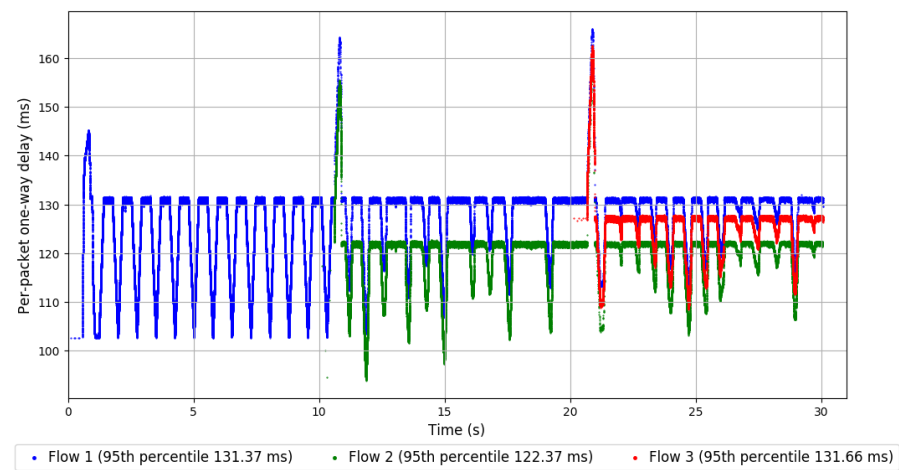
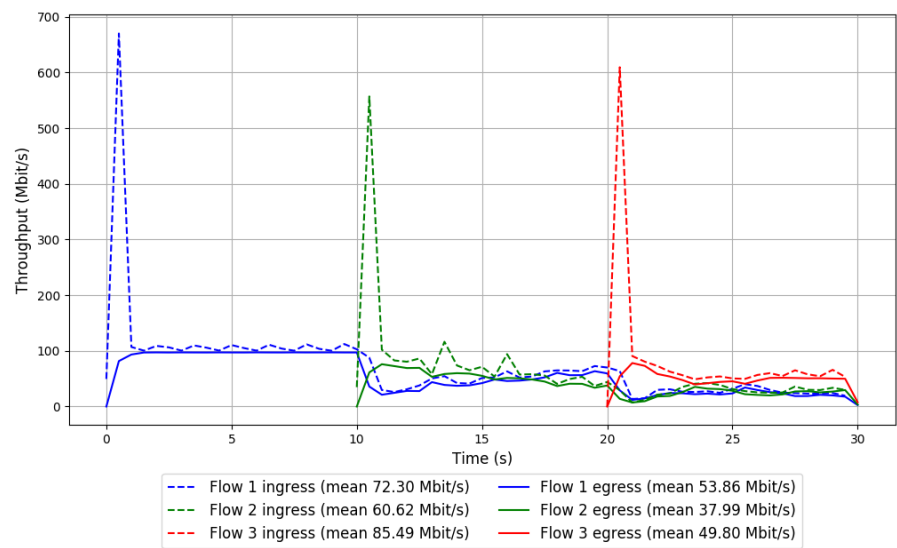
-- Flow 3:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 131.664 ms

Loss rate: 41.74%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-27 19:55:50

End at: 2018-03-27 19:56:20

Local clock offset: -1.394 ms

Remote clock offset: 8.69 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 136.569 ms

Loss rate: 32.14%

-- Flow 1:

Average throughput: 59.07 Mbit/s

95th percentile per-packet one-way delay: 136.580 ms

Loss rate: 24.94%

-- Flow 2:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 127.603 ms

Loss rate: 37.13%

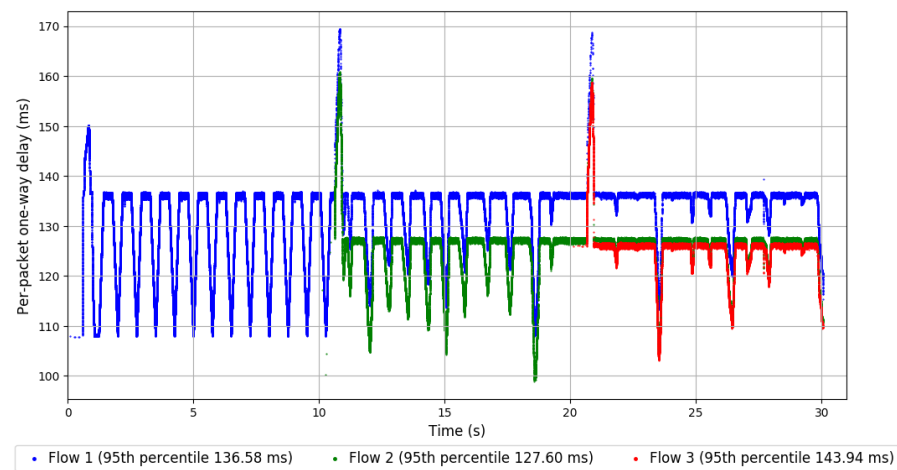
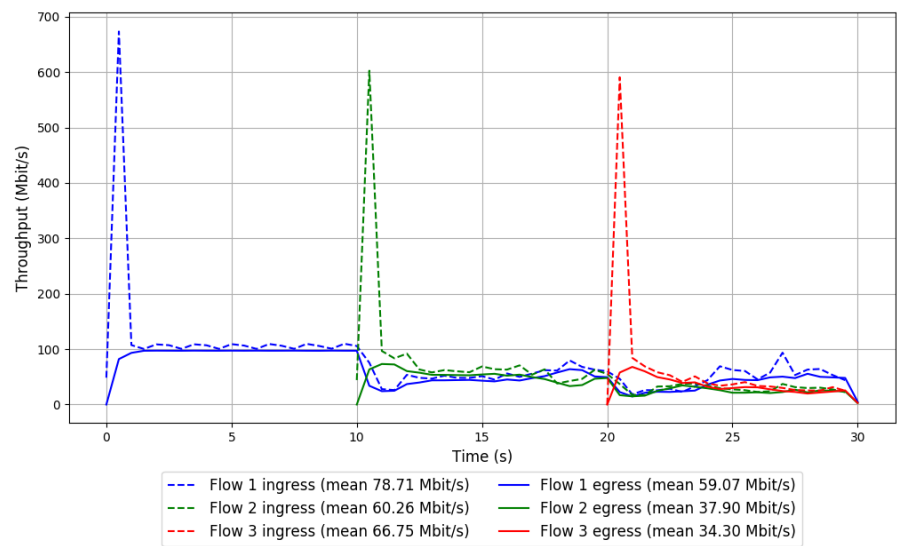
-- Flow 3:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 143.938 ms

Loss rate: 48.69%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-27 20:19:58

End at: 2018-03-27 20:20:28

Local clock offset: -2.367 ms

Remote clock offset: 9.43 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 134.801 ms

Loss rate: 32.30%

-- Flow 1:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 134.809 ms

Loss rate: 24.70%

-- Flow 2:

Average throughput: 41.34 Mbit/s

95th percentile per-packet one-way delay: 129.461 ms

Loss rate: 36.06%

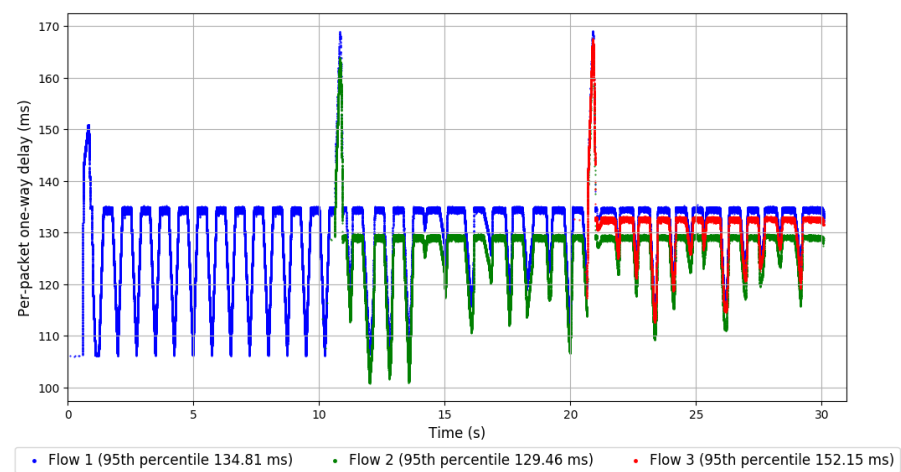
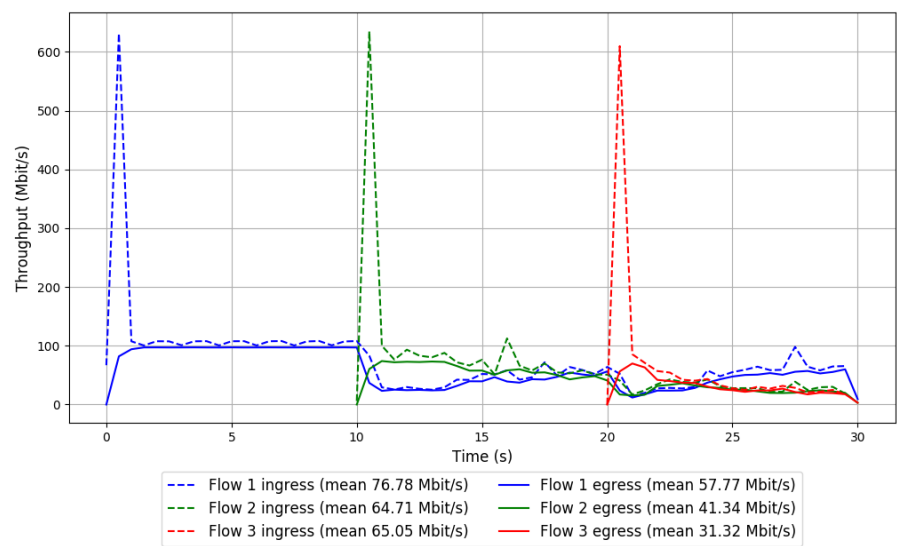
-- Flow 3:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 152.153 ms

Loss rate: 51.85%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-27 20:44:07

End at: 2018-03-27 20:44:37

Local clock offset: -3.167 ms

Remote clock offset: 5.029 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 125.904 ms

Loss rate: 31.59%

-- Flow 1:

Average throughput: 51.01 Mbit/s

95th percentile per-packet one-way delay: 125.743 ms

Loss rate: 25.18%

-- Flow 2:

Average throughput: 47.79 Mbit/s

95th percentile per-packet one-way delay: 124.448 ms

Loss rate: 32.86%

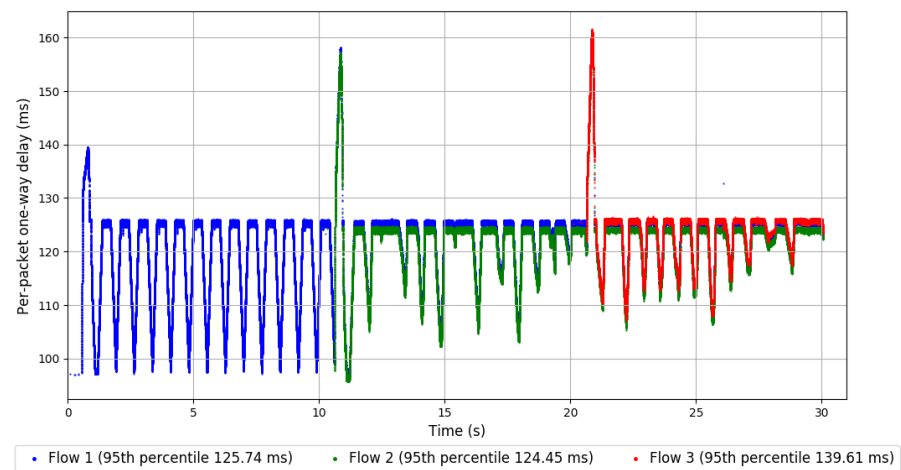
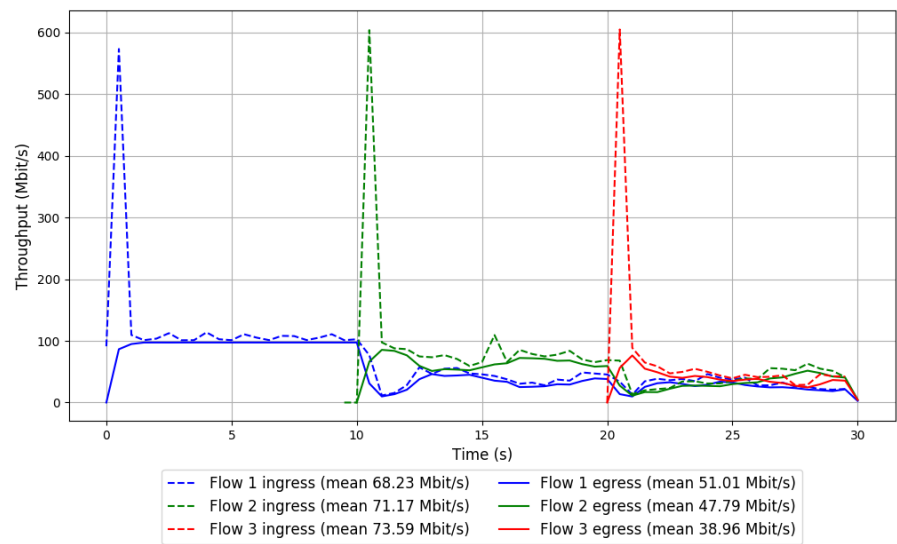
-- Flow 3:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 139.611 ms

Loss rate: 47.06%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-27 21:08:21

End at: 2018-03-27 21:08:51

Local clock offset: -5.273 ms

Remote clock offset: 5.066 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 125.423 ms

Loss rate: 32.91%

-- Flow 1:

Average throughput: 60.26 Mbit/s

95th percentile per-packet one-way delay: 123.302 ms

Loss rate: 24.86%

-- Flow 2:

Average throughput: 33.68 Mbit/s

95th percentile per-packet one-way delay: 123.438 ms

Loss rate: 39.79%

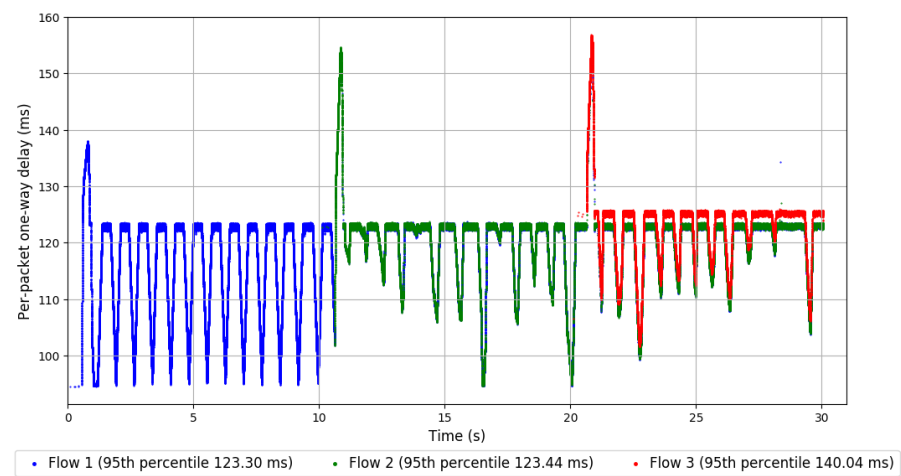
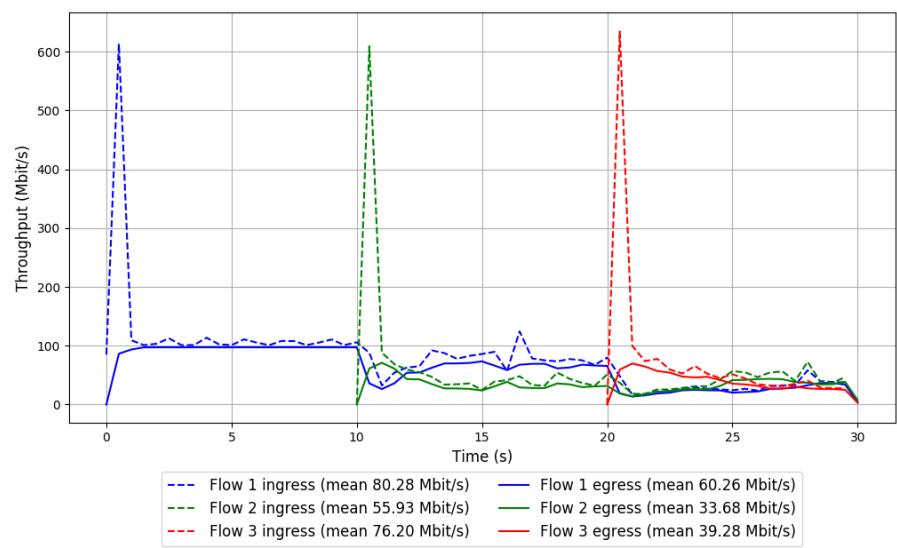
-- Flow 3:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 140.039 ms

Loss rate: 48.36%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-27 21:32:40

End at: 2018-03-27 21:33:10

Local clock offset: -7.442 ms

Remote clock offset: 7.709 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 136.666 ms

Loss rate: 31.99%

-- Flow 1:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 131.594 ms

Loss rate: 24.29%

-- Flow 2:

Average throughput: 38.56 Mbit/s

95th percentile per-packet one-way delay: 129.606 ms

Loss rate: 36.24%

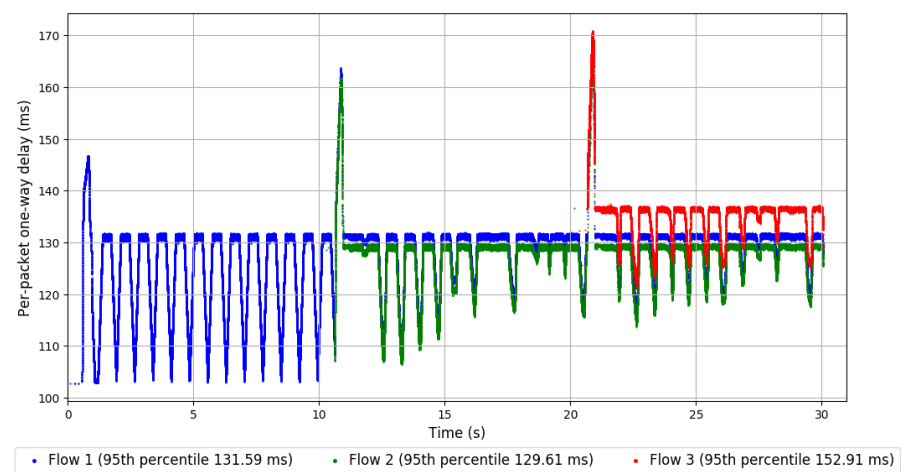
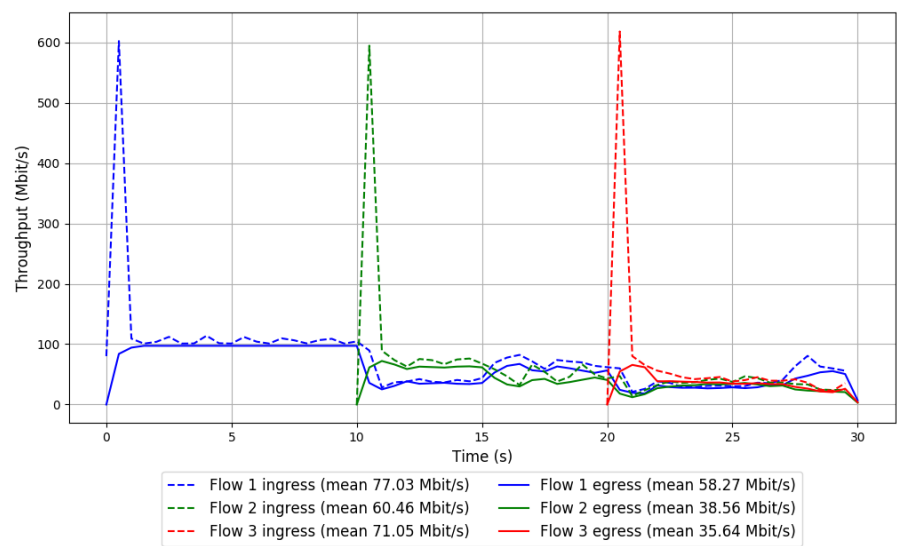
-- Flow 3:

Average throughput: 35.64 Mbit/s

95th percentile per-packet one-way delay: 152.910 ms

Loss rate: 49.88%

Run 9: Report of FillP — Data Link

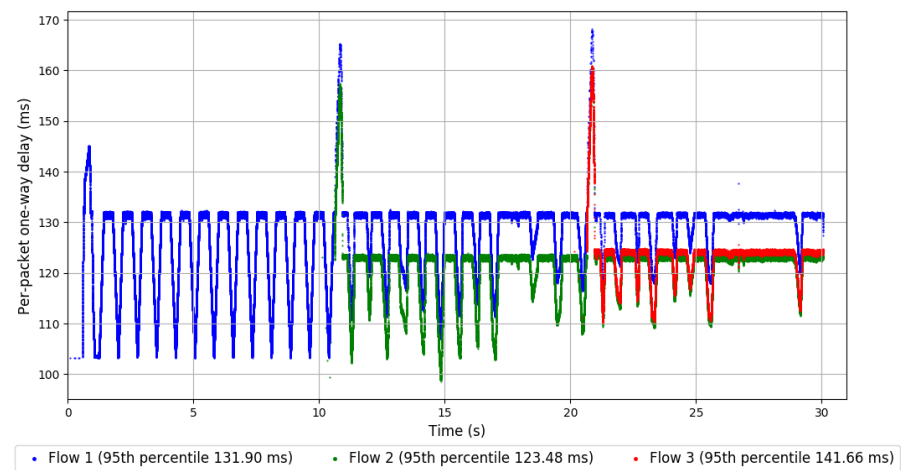
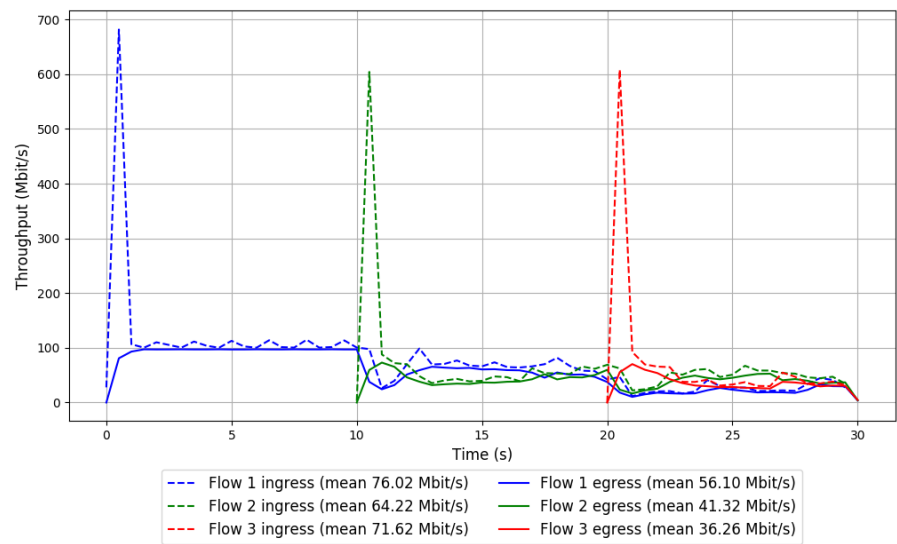


Run 10: Statistics of FillP

Start at: 2018-03-27 21:57:10
End at: 2018-03-27 21:57:40
Local clock offset: -5.51 ms
Remote clock offset: 11.002 ms

Below is generated by plot.py at 2018-03-27 23:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 131.886 ms
Loss rate: 32.86%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 131.902 ms
Loss rate: 26.14%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 123.480 ms
Loss rate: 35.65%
-- Flow 3:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 141.665 ms
Loss rate: 49.37%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 18:20:17

End at: 2018-03-27 18:20:47

Local clock offset: -3.355 ms

Remote clock offset: 3.218 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 129.008 ms

Loss rate: 38.14%

-- Flow 1:

Average throughput: 67.41 Mbit/s

95th percentile per-packet one-way delay: 128.538 ms

Loss rate: 16.44%

-- Flow 2:

Average throughput: 17.89 Mbit/s

95th percentile per-packet one-way delay: 125.296 ms

Loss rate: 55.96%

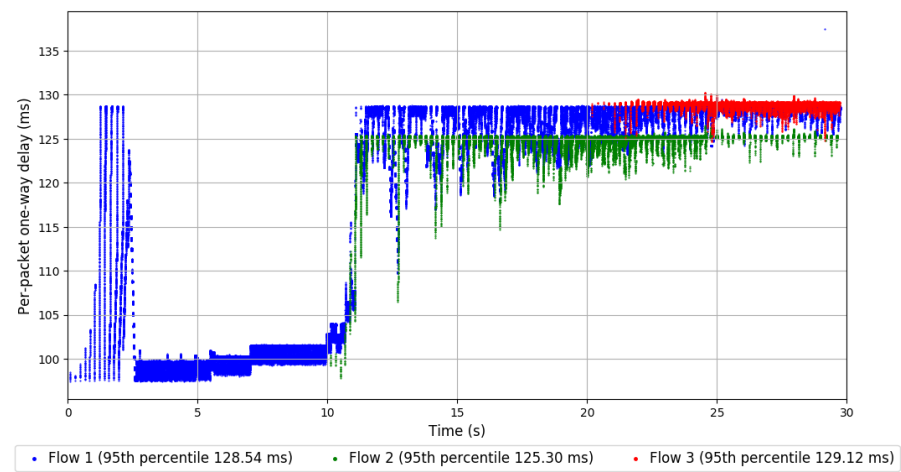
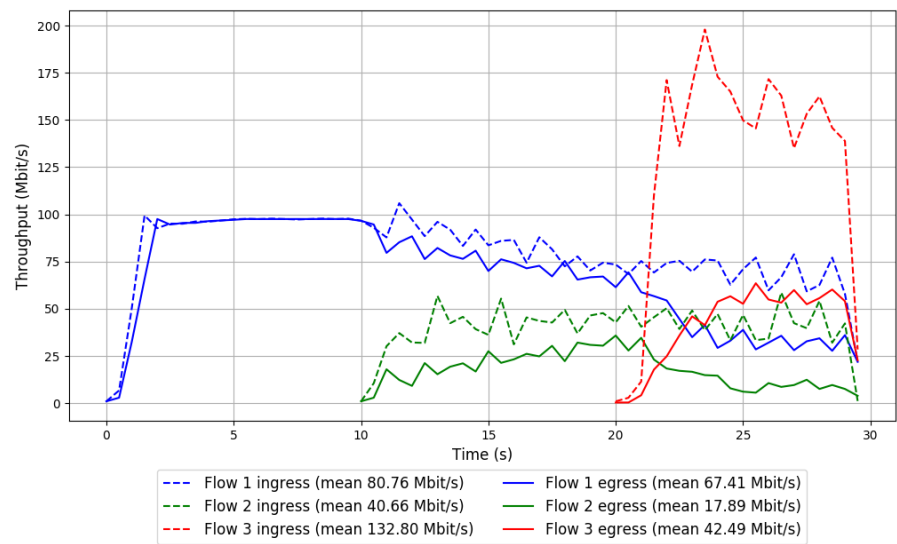
-- Flow 3:

Average throughput: 42.49 Mbit/s

95th percentile per-packet one-way delay: 129.119 ms

Loss rate: 68.00%

Run 1: Report of Indigo-1-32 — Data Link



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 18:44:31

End at: 2018-03-27 18:45:01

Local clock offset: -6.866 ms

Remote clock offset: 9.177 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 140.187 ms

Loss rate: 31.29%

-- Flow 1:

Average throughput: 64.58 Mbit/s

95th percentile per-packet one-way delay: 129.638 ms

Loss rate: 16.04%

-- Flow 2:

Average throughput: 22.70 Mbit/s

95th percentile per-packet one-way delay: 131.947 ms

Loss rate: 32.02%

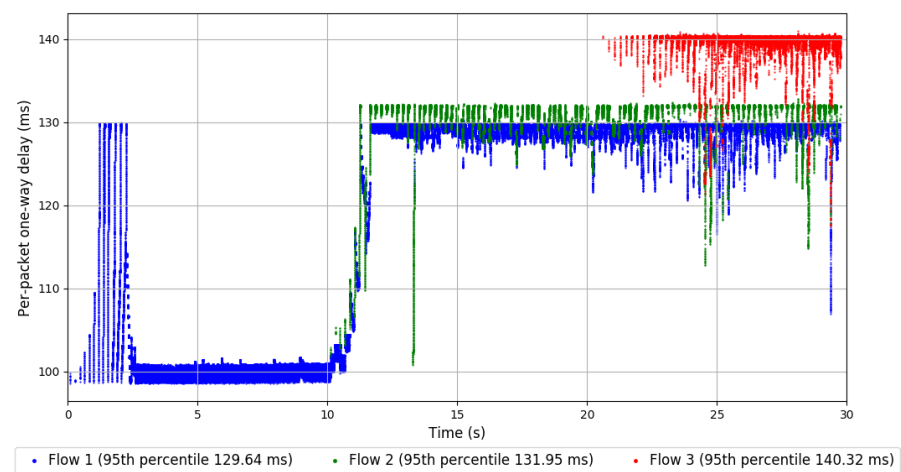
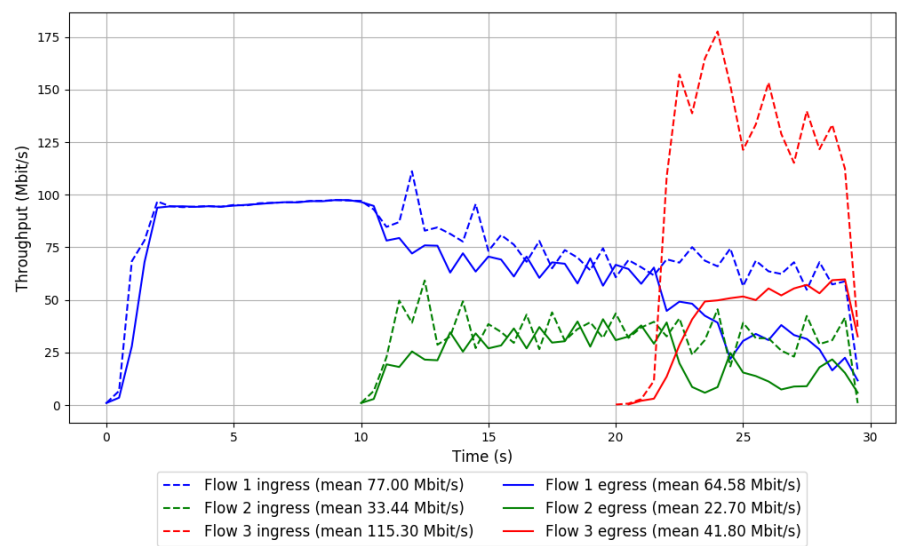
-- Flow 3:

Average throughput: 41.80 Mbit/s

95th percentile per-packet one-way delay: 140.325 ms

Loss rate: 63.76%

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 19:08:39

End at: 2018-03-27 19:09:09

Local clock offset: -6.361 ms

Remote clock offset: 2.675 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 130.282 ms

Loss rate: 33.95%

-- Flow 1:

Average throughput: 62.87 Mbit/s

95th percentile per-packet one-way delay: 124.940 ms

Loss rate: 17.31%

-- Flow 2:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 126.547 ms

Loss rate: 31.23%

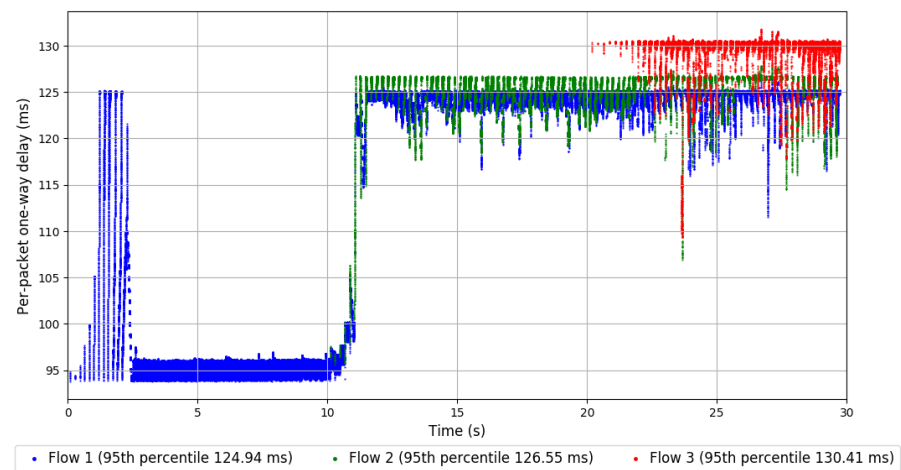
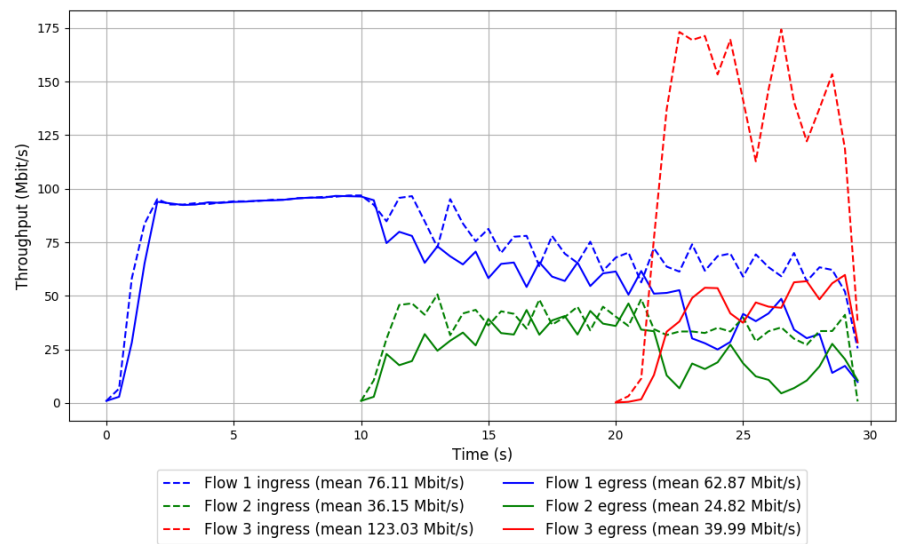
-- Flow 3:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 130.411 ms

Loss rate: 67.49%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 19:33:01

End at: 2018-03-27 19:33:31

Local clock offset: -5.81 ms

Remote clock offset: 1.644 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.83 Mbit/s

95th percentile per-packet one-way delay: 130.788 ms

Loss rate: 38.50%

-- Flow 1:

Average throughput: 62.44 Mbit/s

95th percentile per-packet one-way delay: 130.821 ms

Loss rate: 17.79%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 126.046 ms

Loss rate: 47.91%

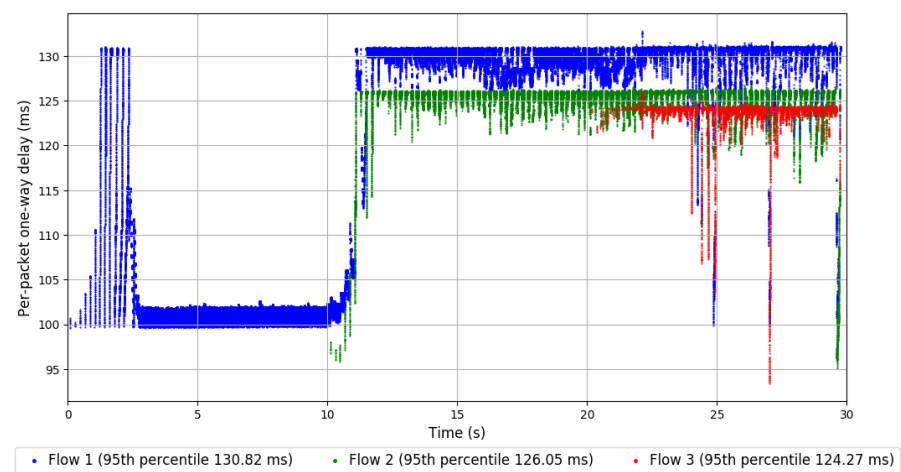
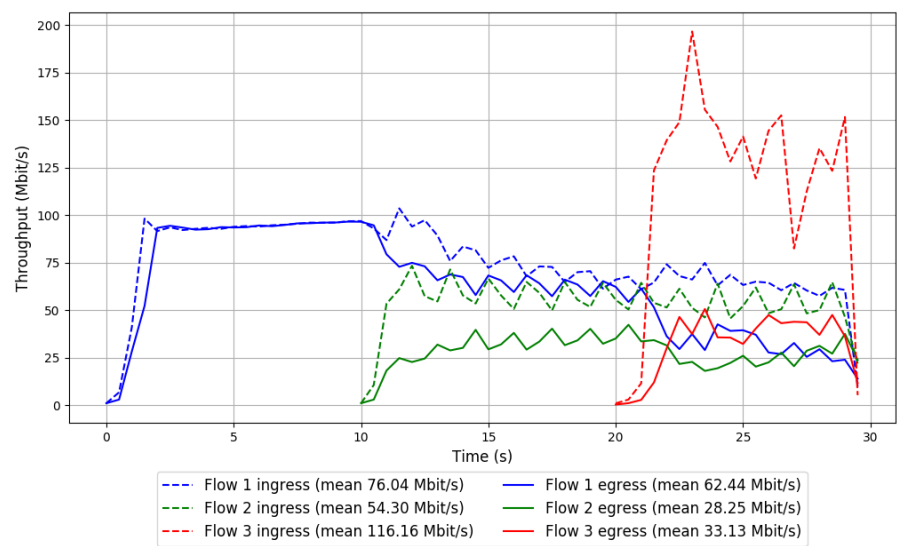
-- Flow 3:

Average throughput: 33.13 Mbit/s

95th percentile per-packet one-way delay: 124.273 ms

Loss rate: 71.48%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 19:57:12

End at: 2018-03-27 19:57:42

Local clock offset: -1.338 ms

Remote clock offset: 9.616 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 134.709 ms

Loss rate: 34.27%

-- Flow 1:

Average throughput: 63.38 Mbit/s

95th percentile per-packet one-way delay: 131.579 ms

Loss rate: 18.45%

-- Flow 2:

Average throughput: 21.10 Mbit/s

95th percentile per-packet one-way delay: 133.454 ms

Loss rate: 39.34%

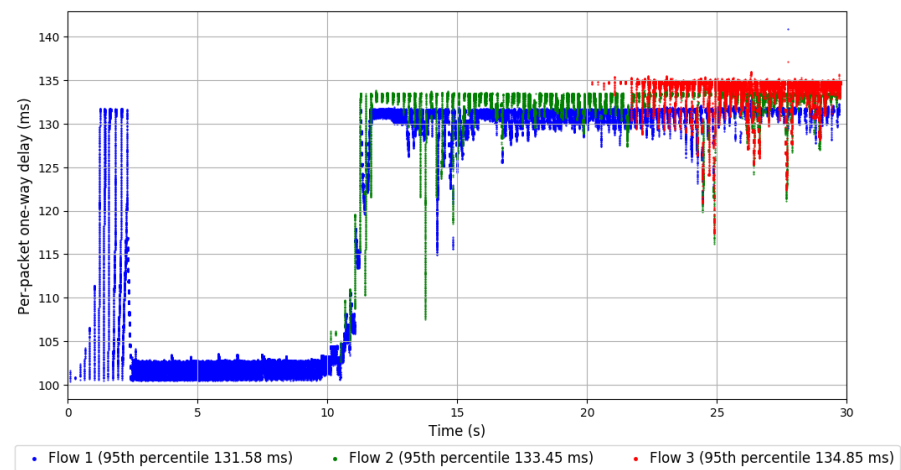
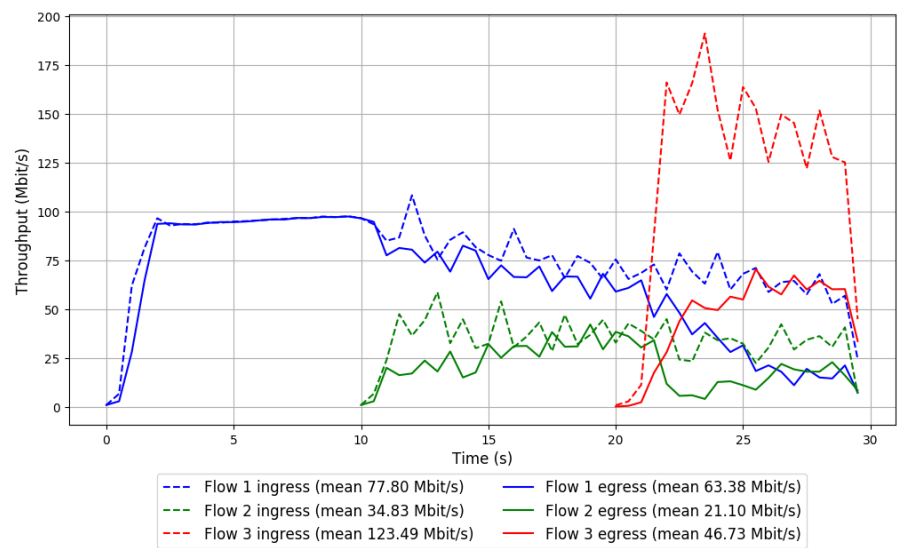
-- Flow 3:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 134.851 ms

Loss rate: 62.16%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 20:21:19

End at: 2018-03-27 20:21:50

Local clock offset: -2.416 ms

Remote clock offset: 3.13 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 127.099 ms

Loss rate: 33.11%

-- Flow 1:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 125.899 ms

Loss rate: 10.85%

-- Flow 2:

Average throughput: 20.53 Mbit/s

95th percentile per-packet one-way delay: 127.236 ms

Loss rate: 40.24%

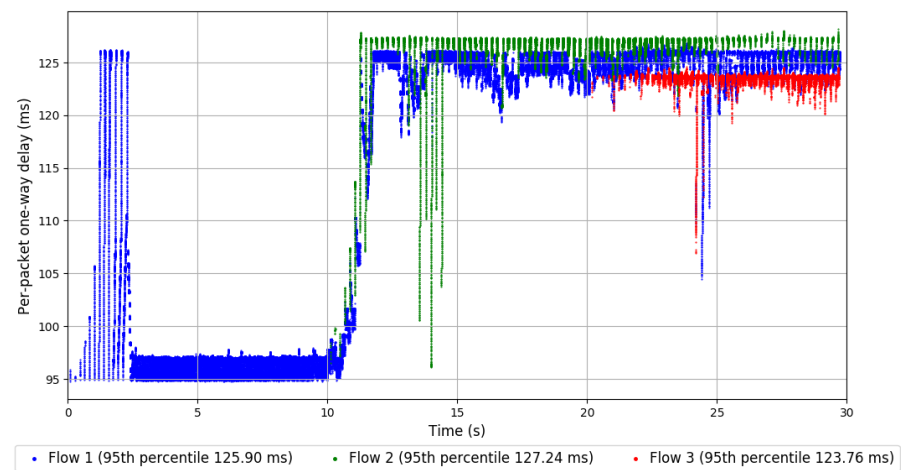
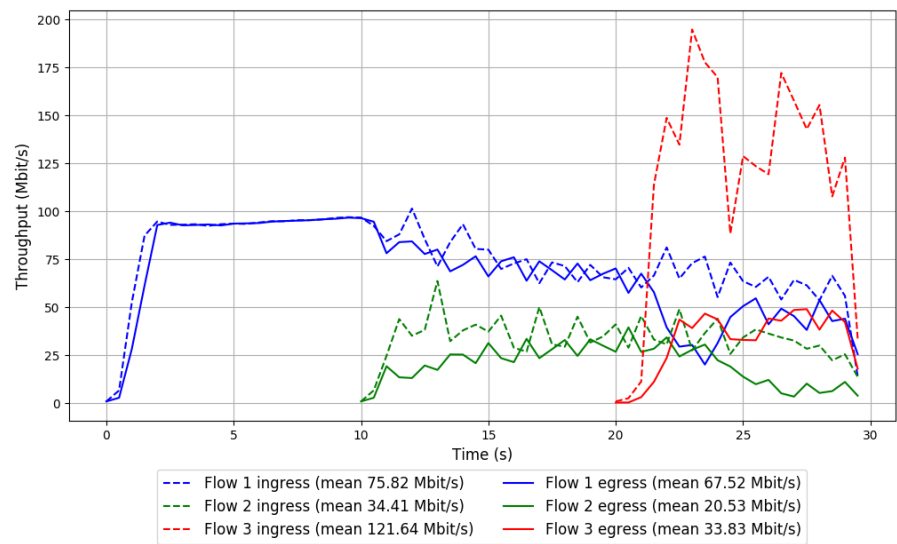
-- Flow 3:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 123.756 ms

Loss rate: 72.19%

Run 6: Report of Indigo-1-32 — Data Link

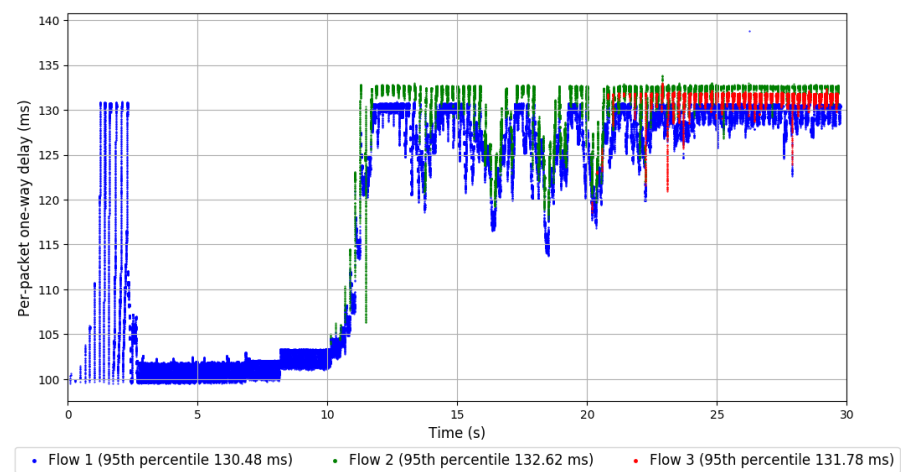
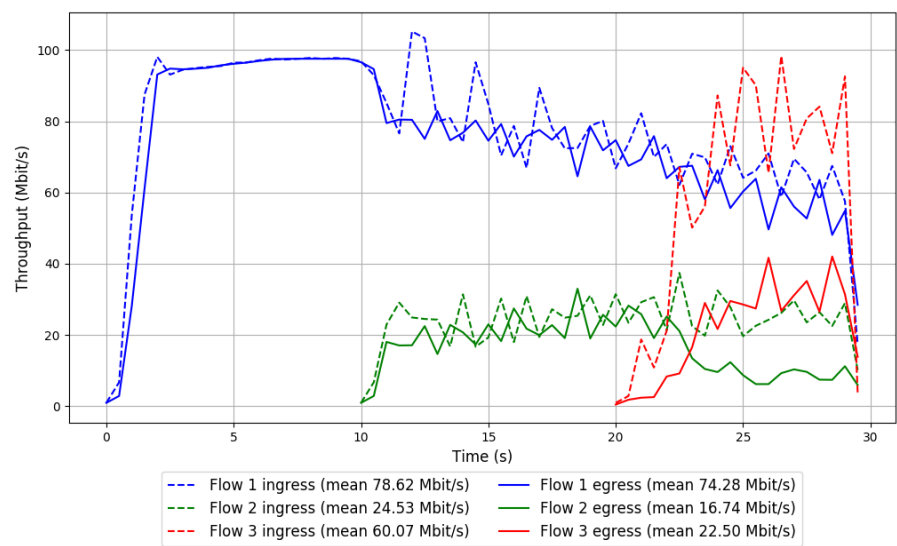


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 20:45:28
End at: 2018-03-27 20:45:58
Local clock offset: -3.47 ms
Remote clock offset: 11.452 ms

Below is generated by plot.py at 2018-03-27 23:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 132.314 ms
Loss rate: 18.75%
-- Flow 1:
Average throughput: 74.28 Mbit/s
95th percentile per-packet one-way delay: 130.477 ms
Loss rate: 5.42%
-- Flow 2:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 132.620 ms
Loss rate: 31.67%
-- Flow 3:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 131.785 ms
Loss rate: 62.48%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 21:09:43

End at: 2018-03-27 21:10:13

Local clock offset: -5.268 ms

Remote clock offset: 6.123 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 129.689 ms

Loss rate: 41.10%

-- Flow 1:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 126.576 ms

Loss rate: 23.97%

-- Flow 2:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 129.866 ms

Loss rate: 49.39%

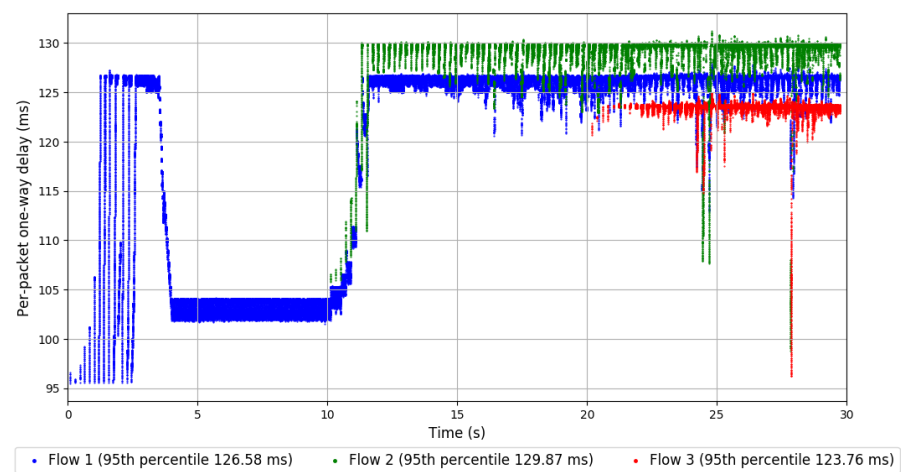
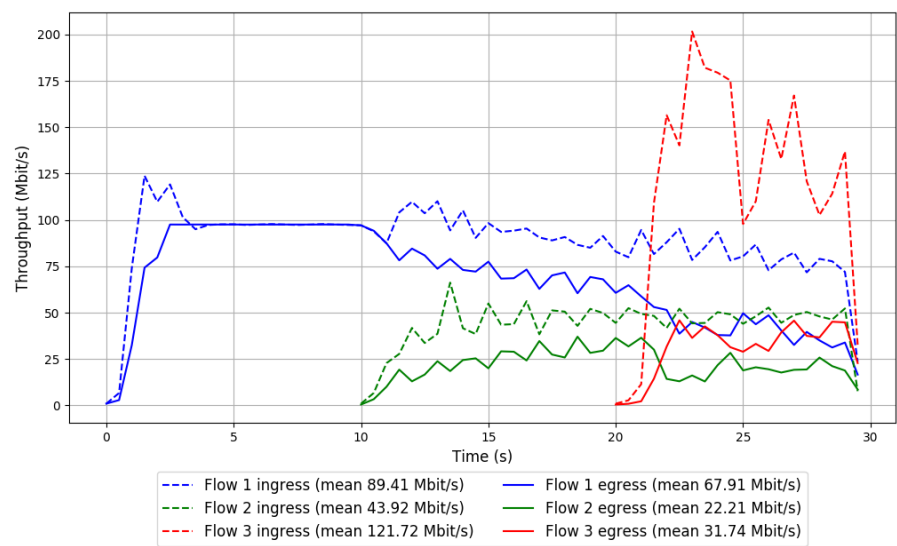
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 123.761 ms

Loss rate: 73.91%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 21:34:03

End at: 2018-03-27 21:34:33

Local clock offset: -7.587 ms

Remote clock offset: 6.592 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 131.266 ms

Loss rate: 35.62%

-- Flow 1:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 131.282 ms

Loss rate: 17.39%

-- Flow 2:

Average throughput: 19.97 Mbit/s

95th percentile per-packet one-way delay: 131.226 ms

Loss rate: 47.28%

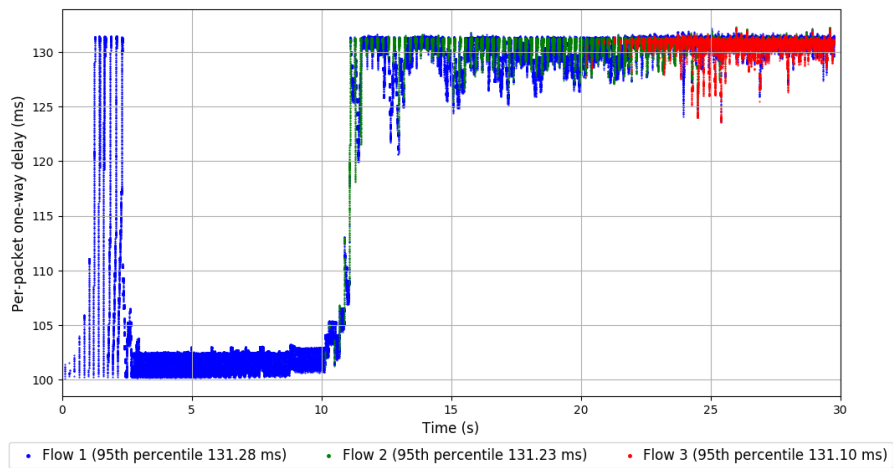
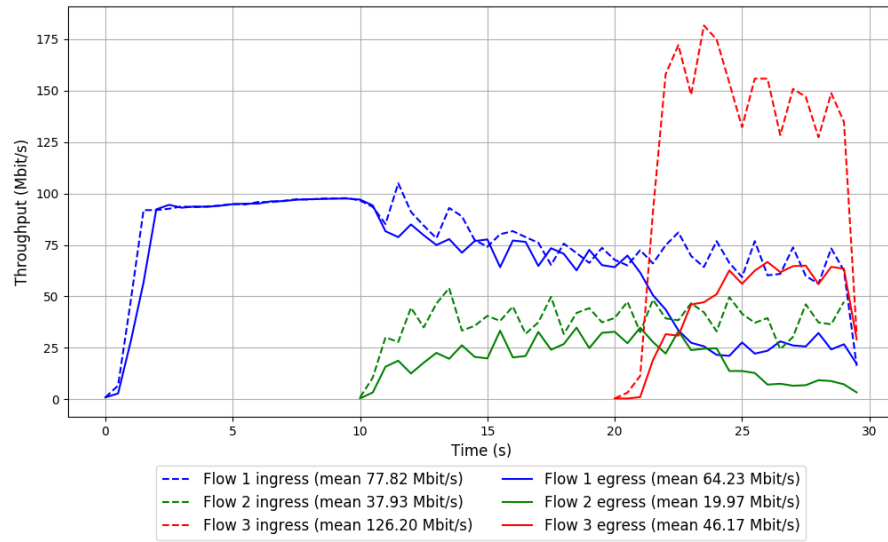
-- Flow 3:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 131.097 ms

Loss rate: 63.41%

Run 9: Report of Indigo-1-32 — Data Link

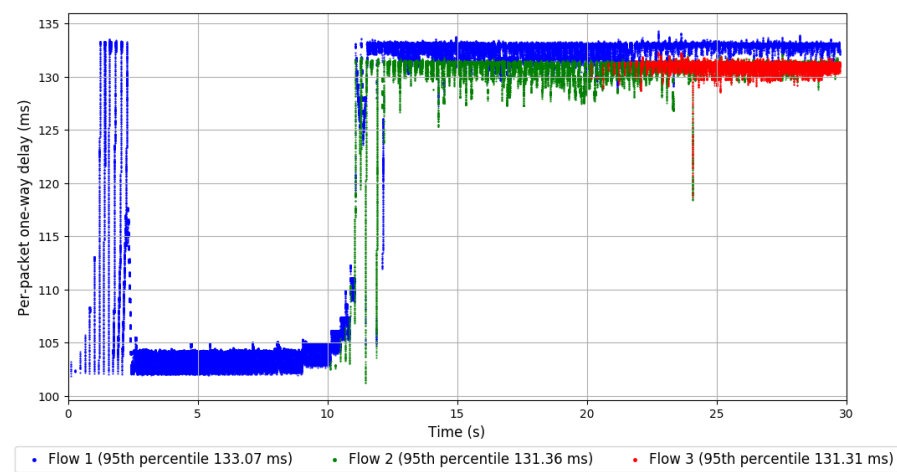
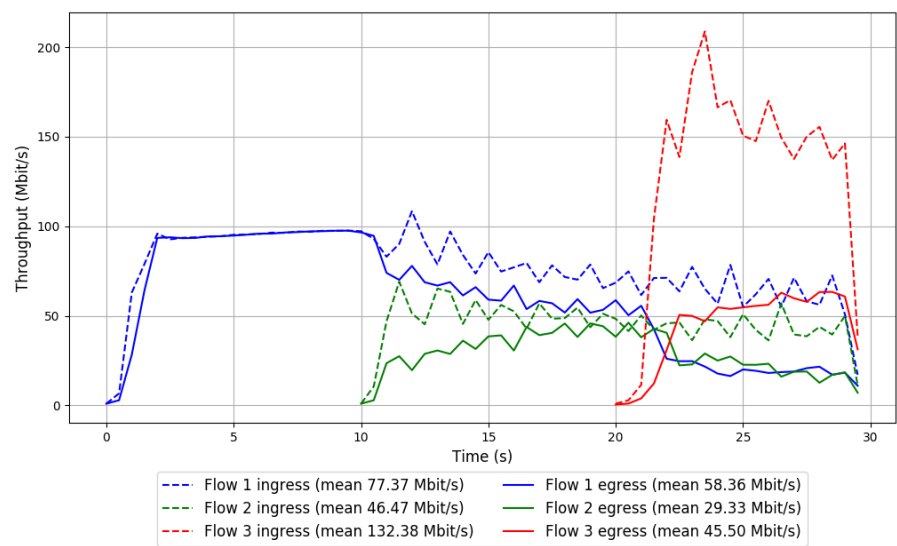


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 21:58:32
End at: 2018-03-27 21:59:02
Local clock offset: -5.181 ms
Remote clock offset: 17.494 ms

Below is generated by plot.py at 2018-03-27 23:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 133.039 ms
Loss rate: 38.65%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 133.071 ms
Loss rate: 24.49%
-- Flow 2:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 131.359 ms
Loss rate: 36.80%
-- Flow 3:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 131.306 ms
Loss rate: 65.62%

Run 10: Report of Indigo-1-32 — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 18:28:03

End at: 2018-03-27 18:28:33

Local clock offset: -4.46 ms

Remote clock offset: 2.148 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.92 Mbit/s

95th percentile per-packet one-way delay: 114.601 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 66.88 Mbit/s

95th percentile per-packet one-way delay: 110.707 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 10.90 Mbit/s

95th percentile per-packet one-way delay: 120.562 ms

Loss rate: 0.13%

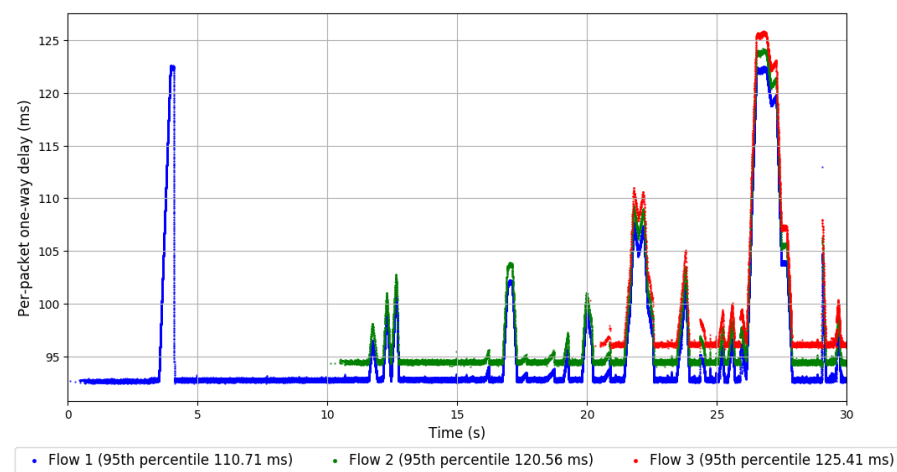
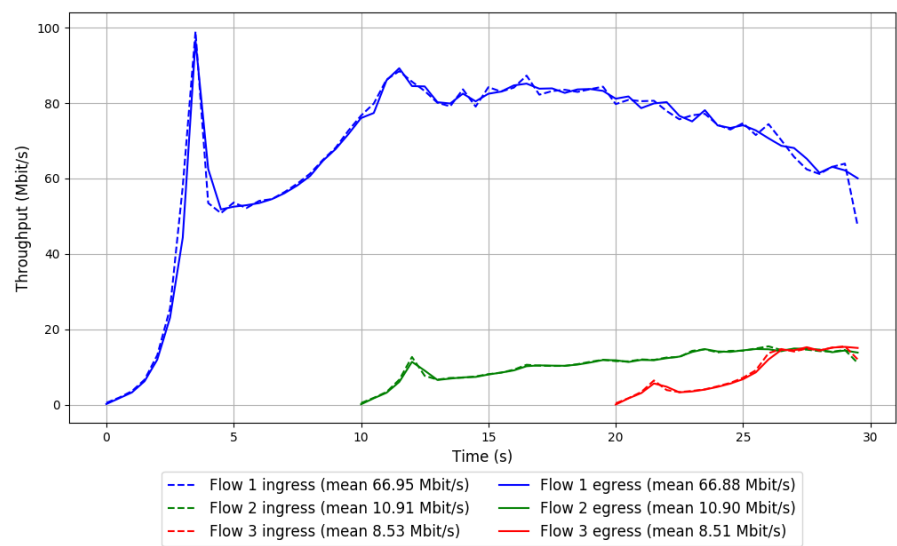
-- Flow 3:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 125.411 ms

Loss rate: 0.25%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 18:52:17

End at: 2018-03-27 18:52:47

Local clock offset: -7.278 ms

Remote clock offset: 7.966 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.63 Mbit/s

95th percentile per-packet one-way delay: 603.320 ms

Loss rate: 3.30%

-- Flow 1:

Average throughput: 33.84 Mbit/s

95th percentile per-packet one-way delay: 1556.838 ms

Loss rate: 4.42%

-- Flow 2:

Average throughput: 38.99 Mbit/s

95th percentile per-packet one-way delay: 133.209 ms

Loss rate: 2.04%

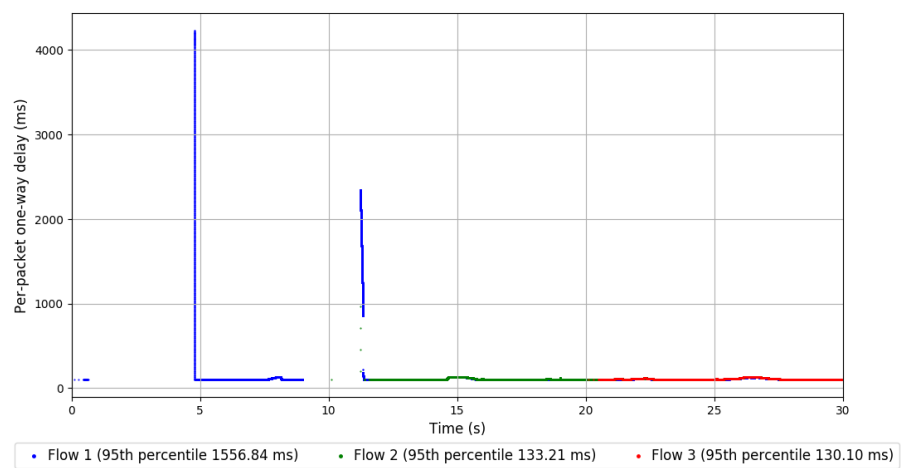
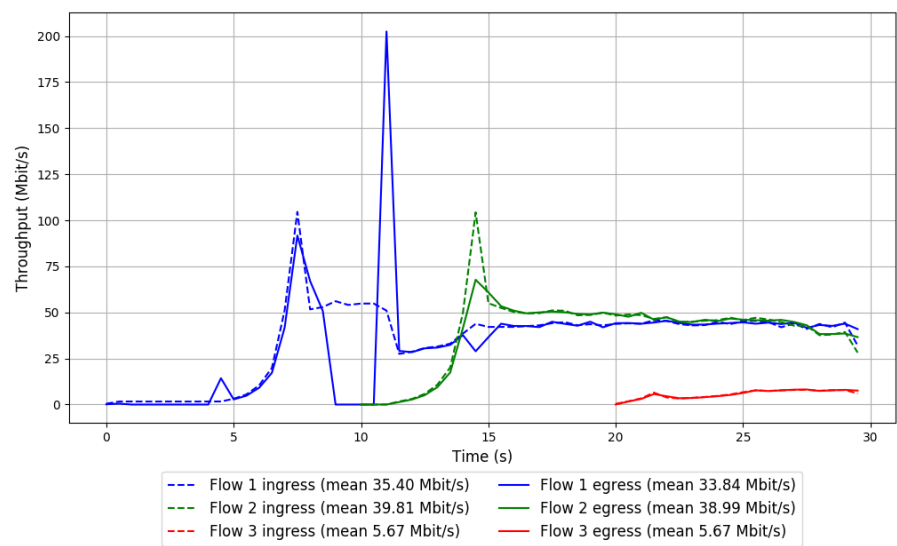
-- Flow 3:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 130.103 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 19:16:24

End at: 2018-03-27 19:16:54

Local clock offset: -6.075 ms

Remote clock offset: 2.614 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.11 Mbit/s

95th percentile per-packet one-way delay: 124.551 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 64.97 Mbit/s

95th percentile per-packet one-way delay: 122.752 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 125.164 ms

Loss rate: 0.35%

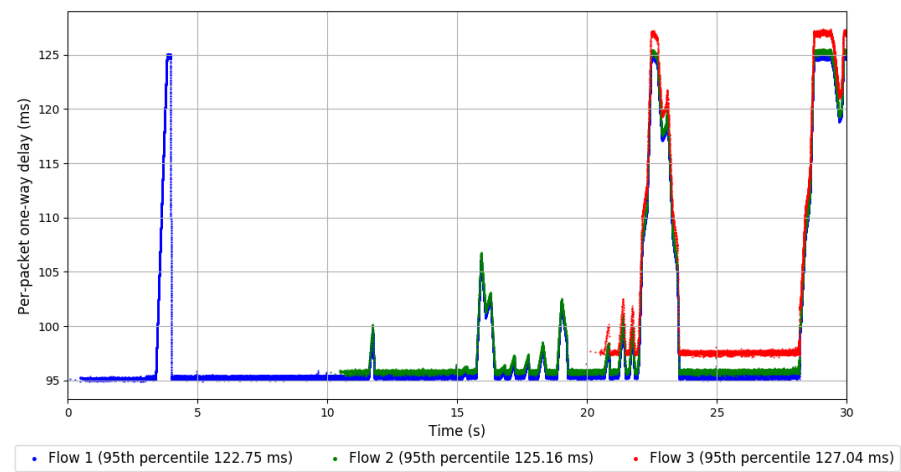
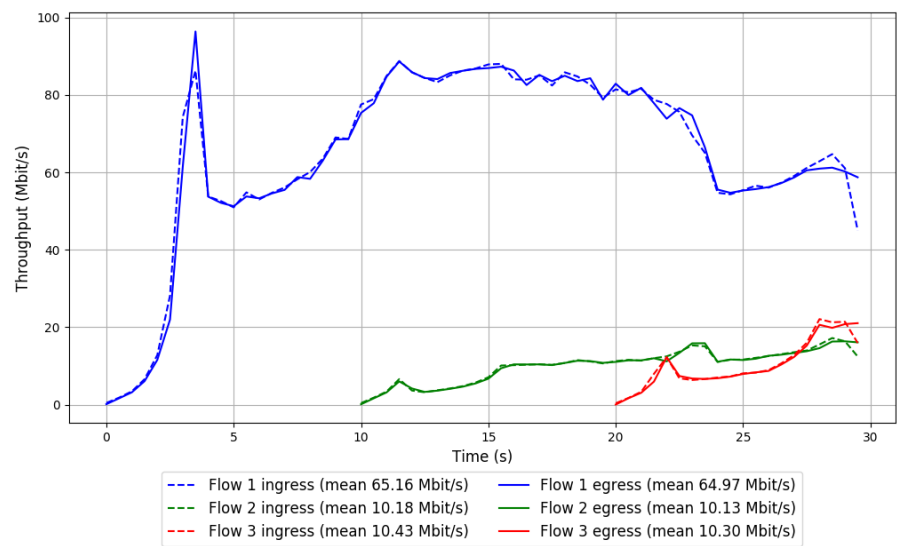
-- Flow 3:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 127.042 ms

Loss rate: 1.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 19:40:47

End at: 2018-03-27 19:41:17

Local clock offset: -3.513 ms

Remote clock offset: 2.807 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 127.234 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 127.251 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 125.931 ms

Loss rate: 1.29%

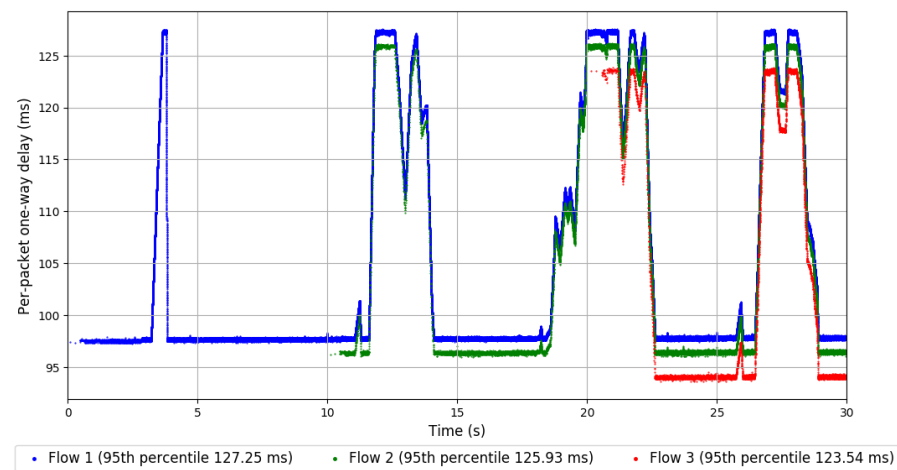
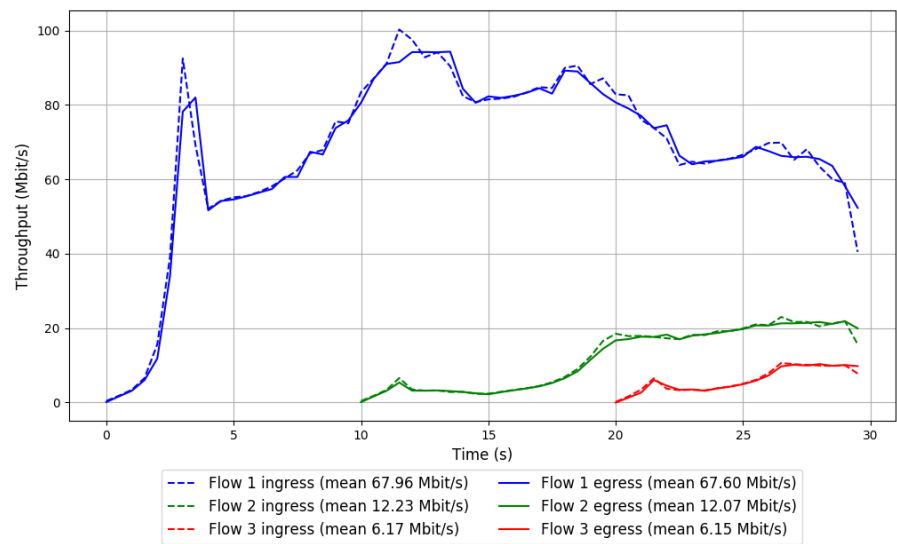
-- Flow 3:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 123.536 ms

Loss rate: 0.67%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 20:04:57

End at: 2018-03-27 20:05:27

Local clock offset: -0.644 ms

Remote clock offset: 9.878 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.18 Mbit/s

95th percentile per-packet one-way delay: 118.003 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 65.96 Mbit/s

95th percentile per-packet one-way delay: 118.810 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 14.10 Mbit/s

95th percentile per-packet one-way delay: 115.103 ms

Loss rate: 0.00%

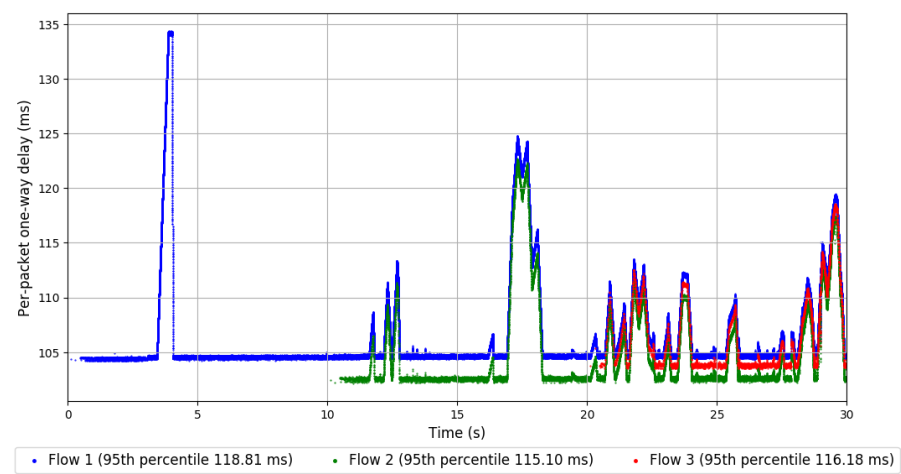
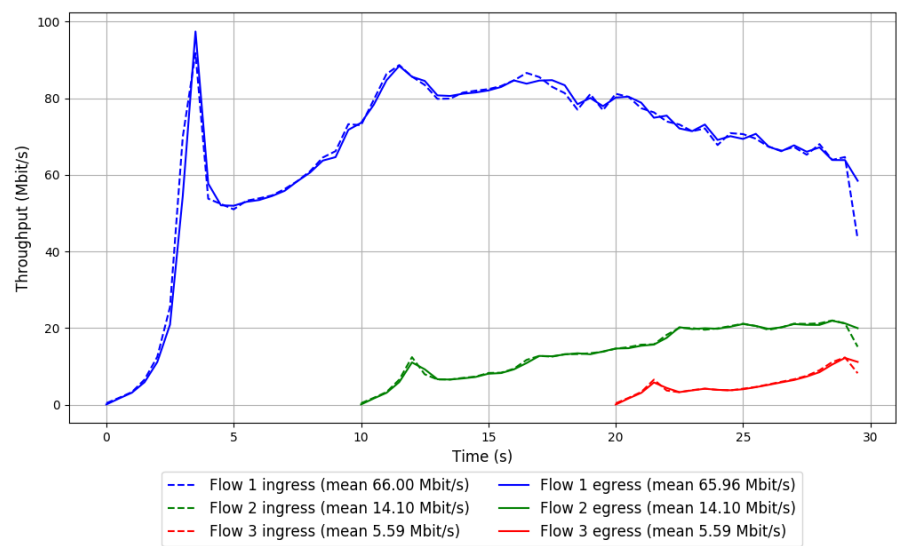
-- Flow 3:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 116.181 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 20:29:04

End at: 2018-03-27 20:29:34

Local clock offset: -2.542 ms

Remote clock offset: 9.889 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.10 Mbit/s

95th percentile per-packet one-way delay: 128.620 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 64.49 Mbit/s

95th percentile per-packet one-way delay: 129.946 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 18.29 Mbit/s

95th percentile per-packet one-way delay: 128.040 ms

Loss rate: 0.34%

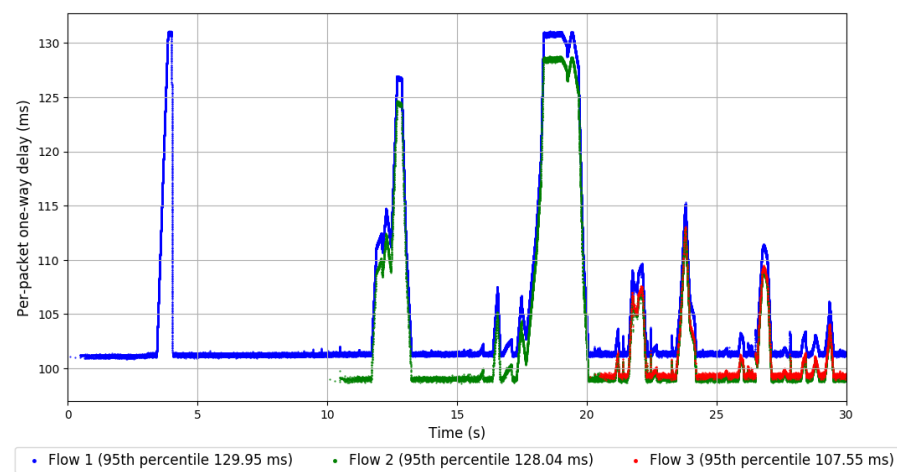
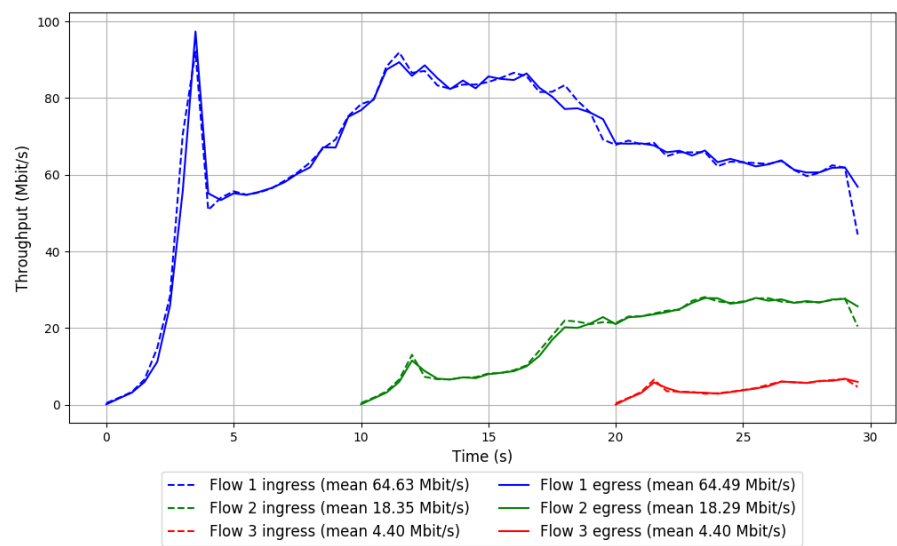
-- Flow 3:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 107.554 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 20:53:14

End at: 2018-03-27 20:53:44

Local clock offset: -4.508 ms

Remote clock offset: 10.9 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.54 Mbit/s

95th percentile per-packet one-way delay: 131.724 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 60.49 Mbit/s

95th percentile per-packet one-way delay: 130.949 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 137.532 ms

Loss rate: 0.55%

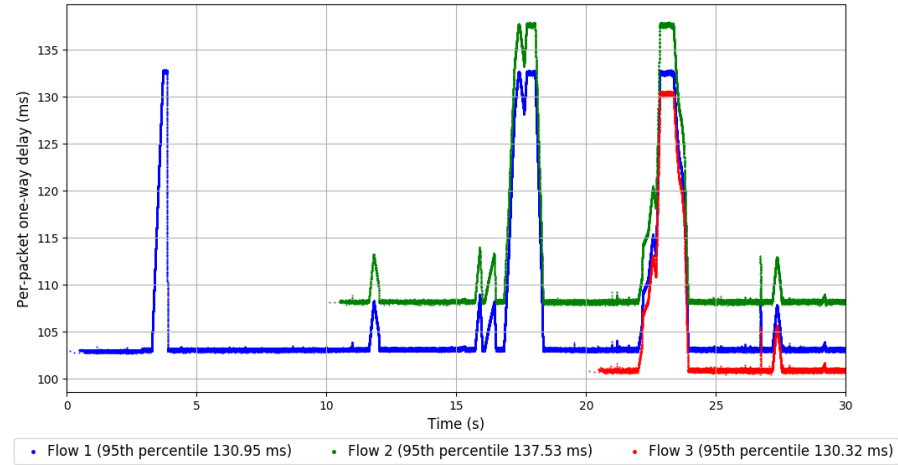
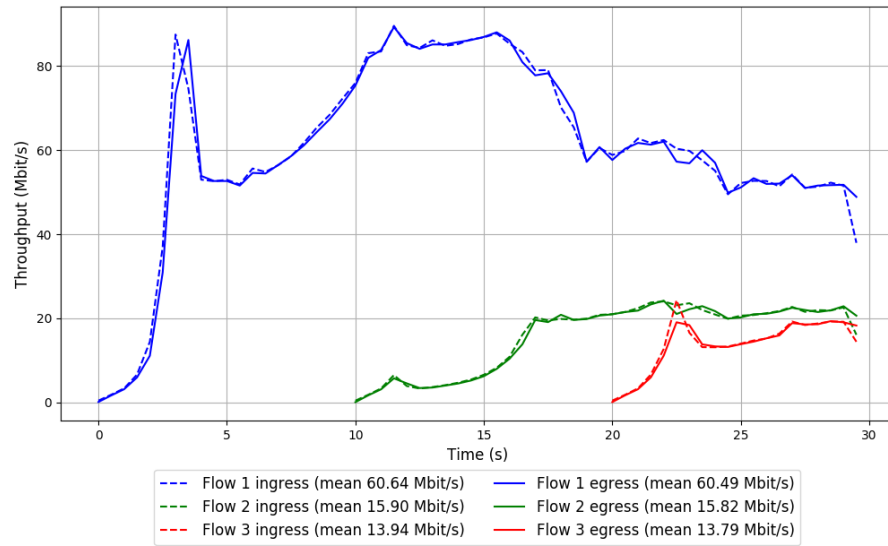
-- Flow 3:

Average throughput: 13.79 Mbit/s

95th percentile per-packet one-way delay: 130.321 ms

Loss rate: 1.08%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 21:17:40

End at: 2018-03-27 21:18:10

Local clock offset: -5.883 ms

Remote clock offset: 8.795 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.02 Mbit/s

95th percentile per-packet one-way delay: 128.308 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 128.283 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 15.27 Mbit/s

95th percentile per-packet one-way delay: 131.442 ms

Loss rate: 0.63%

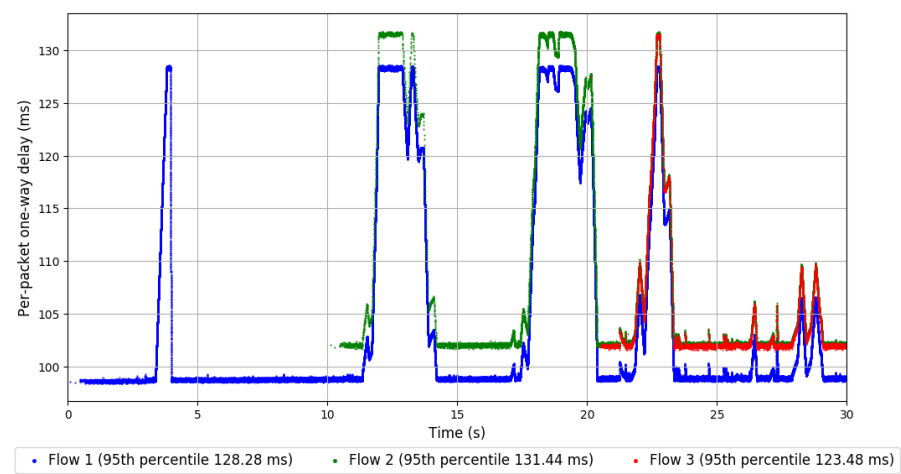
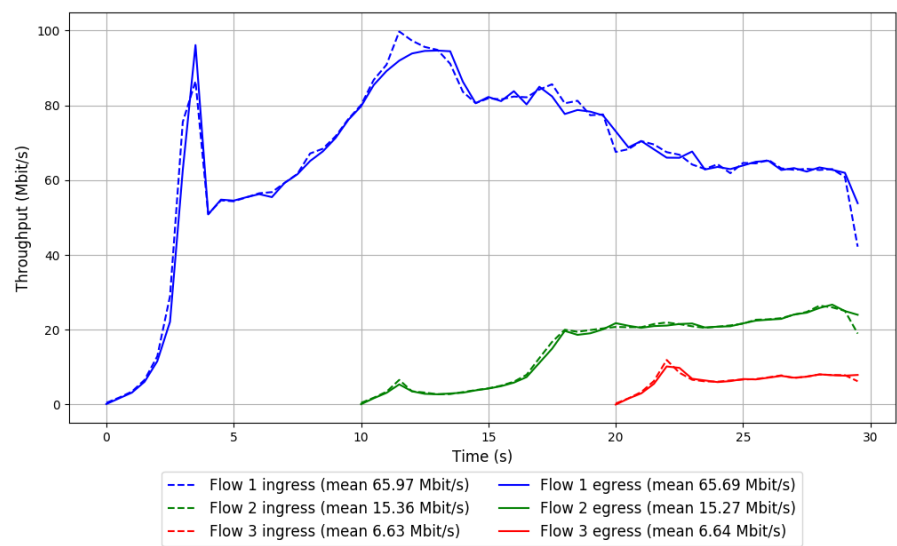
-- Flow 3:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 123.483 ms

Loss rate: 0.17%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 21:41:49

End at: 2018-03-27 21:42:19

Local clock offset: -7.881 ms

Remote clock offset: 5.9 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 120.468 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 64.39 Mbit/s

95th percentile per-packet one-way delay: 118.828 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 15.76 Mbit/s

95th percentile per-packet one-way delay: 126.494 ms

Loss rate: 0.04%

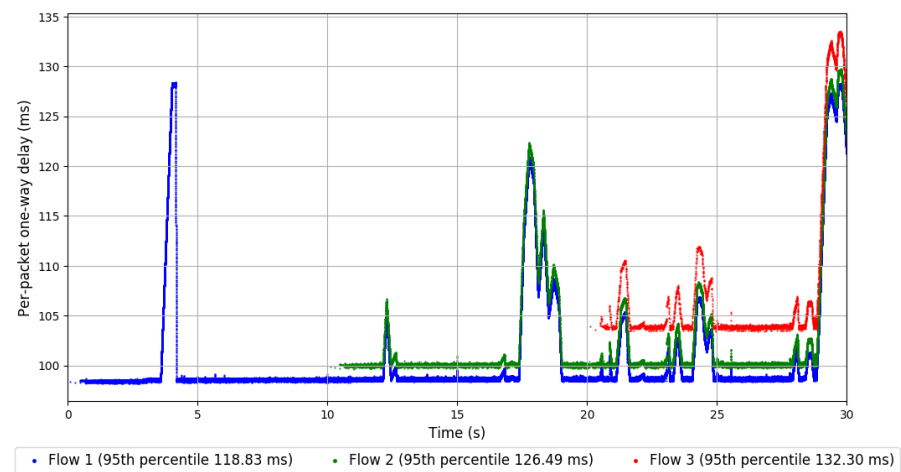
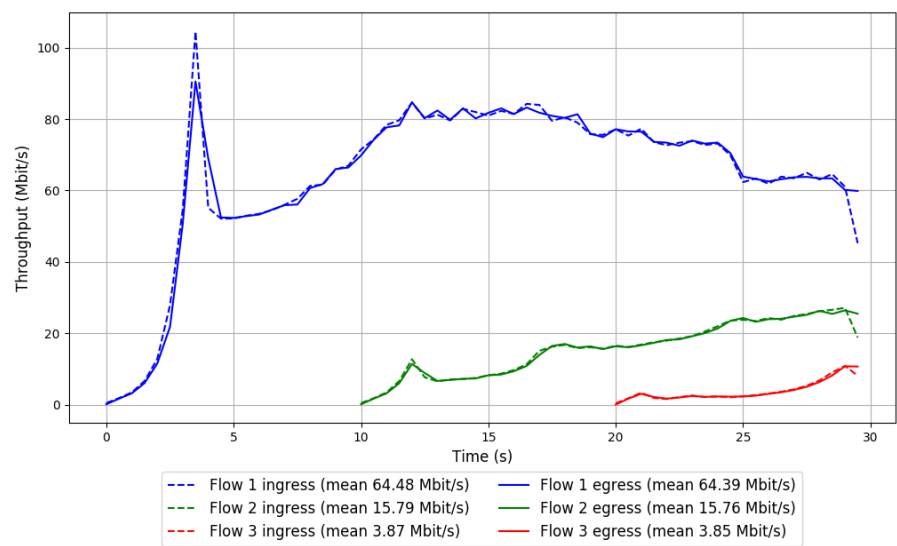
-- Flow 3:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 132.297 ms

Loss rate: 0.15%

Run 9: Report of Vivace-latency — Data Link

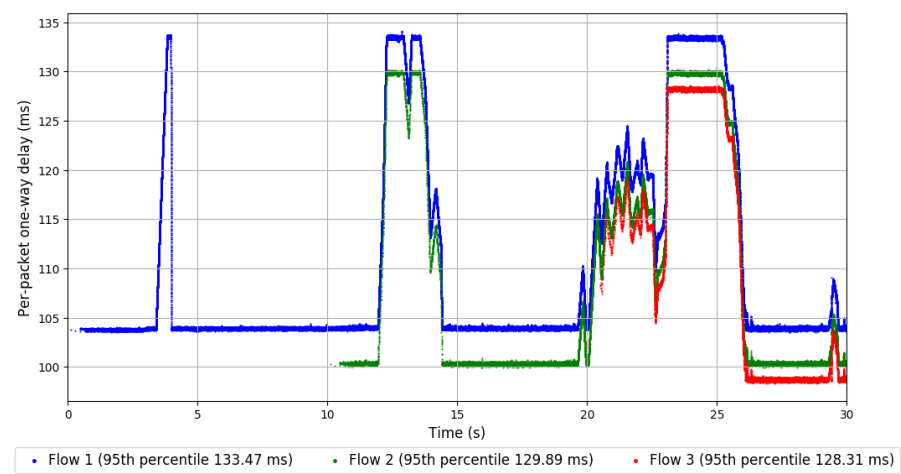
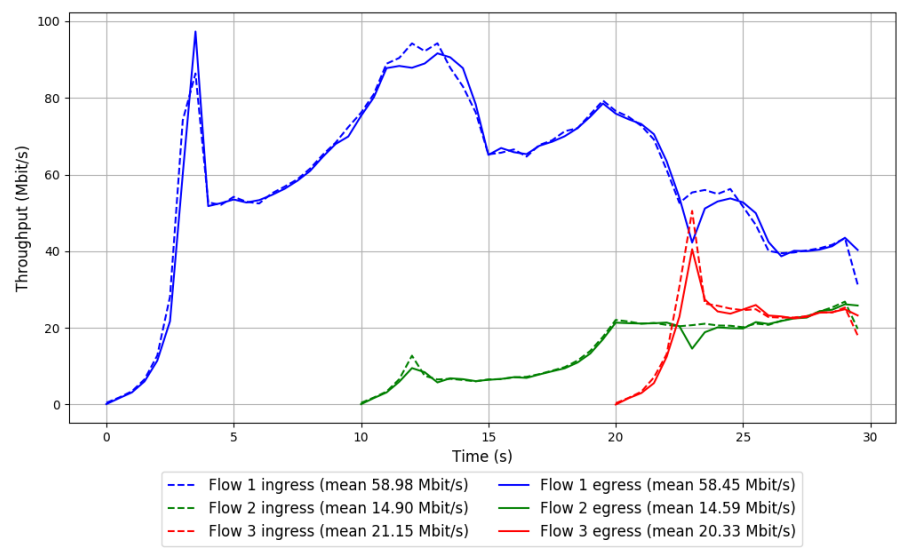


Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 22:06:20
End at: 2018-03-27 22:06:50
Local clock offset: -4.054 ms
Remote clock offset: 20.424 ms

Below is generated by plot.py at 2018-03-27 23:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 133.431 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 133.465 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 129.887 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 128.307 ms
Loss rate: 3.92%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 18:30:45

End at: 2018-03-27 18:31:15

Local clock offset: -5.176 ms

Remote clock offset: 3.07 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 123.339 ms

Loss rate: 2.77%

-- Flow 1:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 123.338 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 123.302 ms

Loss rate: 2.02%

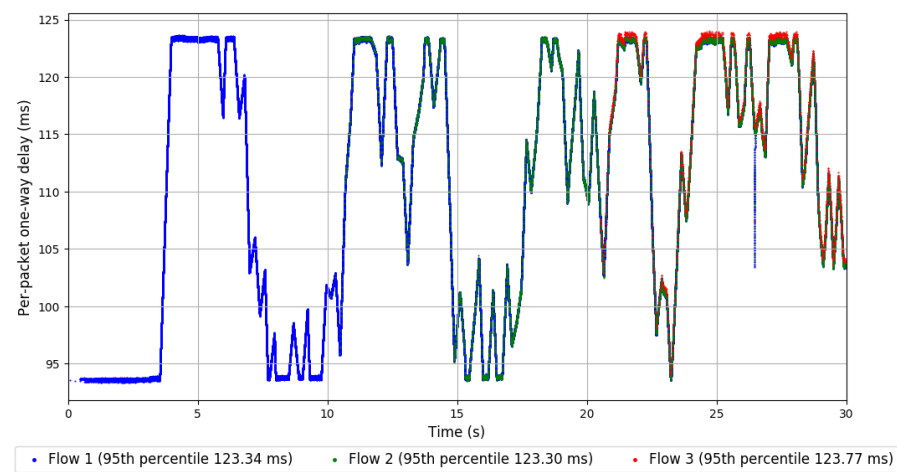
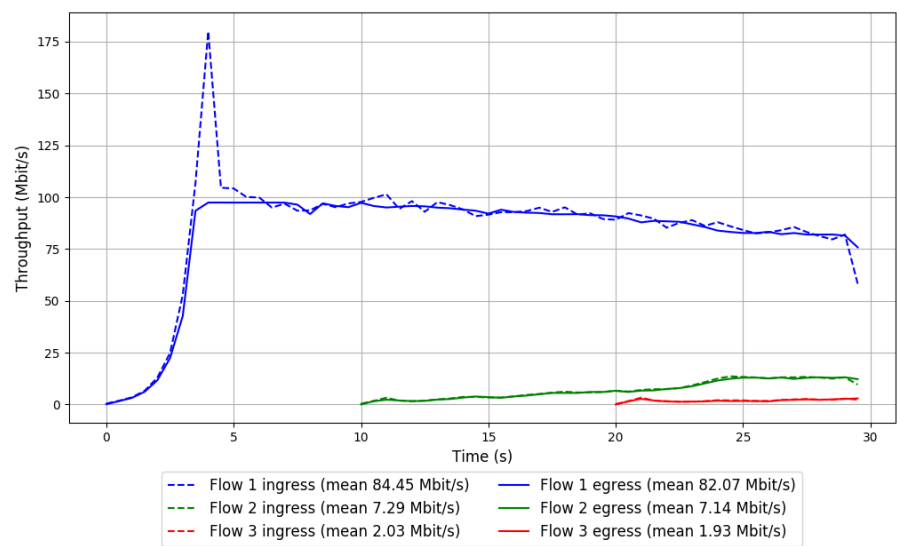
-- Flow 3:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 123.767 ms

Loss rate: 5.40%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 18:54:57

End at: 2018-03-27 18:55:27

Local clock offset: -7.347 ms

Remote clock offset: 8.112 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 129.358 ms

Loss rate: 2.79%

-- Flow 1:

Average throughput: 80.82 Mbit/s

95th percentile per-packet one-way delay: 129.303 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 130.840 ms

Loss rate: 2.06%

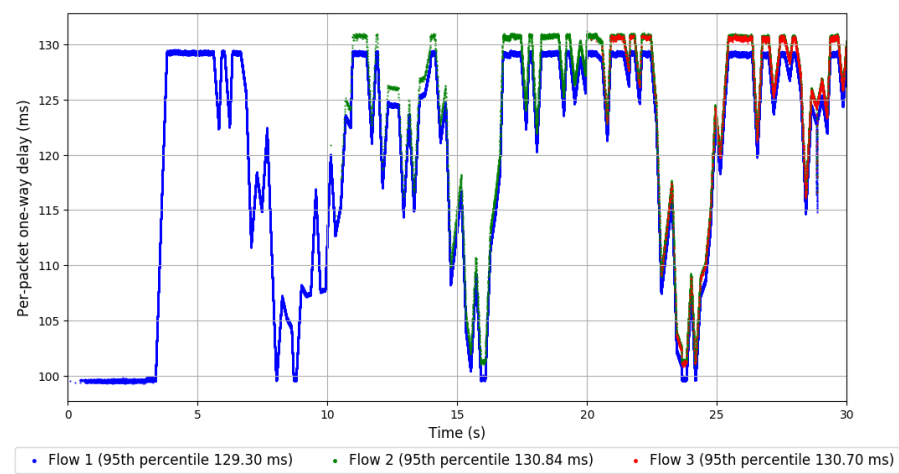
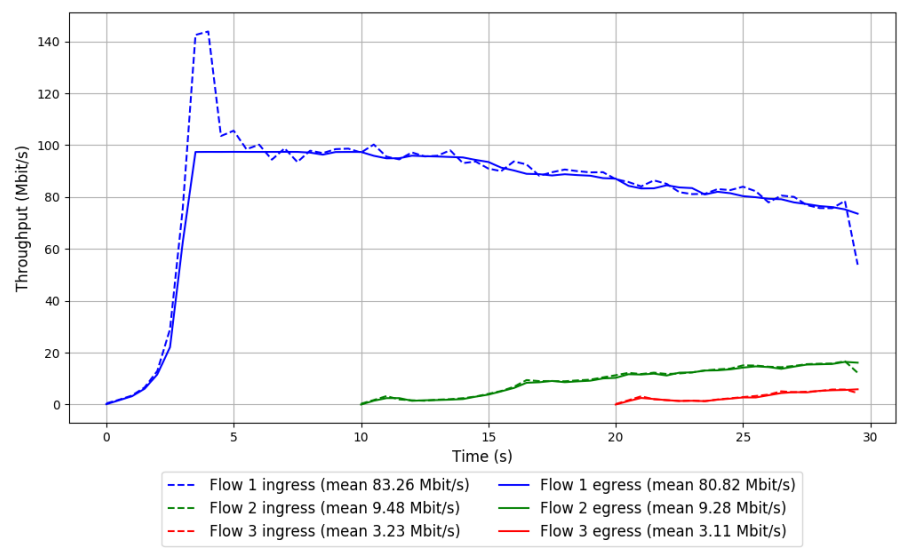
-- Flow 3:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 130.696 ms

Loss rate: 3.49%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 19:19:04

End at: 2018-03-27 19:19:34

Local clock offset: -6.022 ms

Remote clock offset: 8.019 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 132.675 ms

Loss rate: 2.87%

-- Flow 1:

Average throughput: 82.11 Mbit/s

95th percentile per-packet one-way delay: 132.653 ms

Loss rate: 2.87%

-- Flow 2:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 136.141 ms

Loss rate: 2.84%

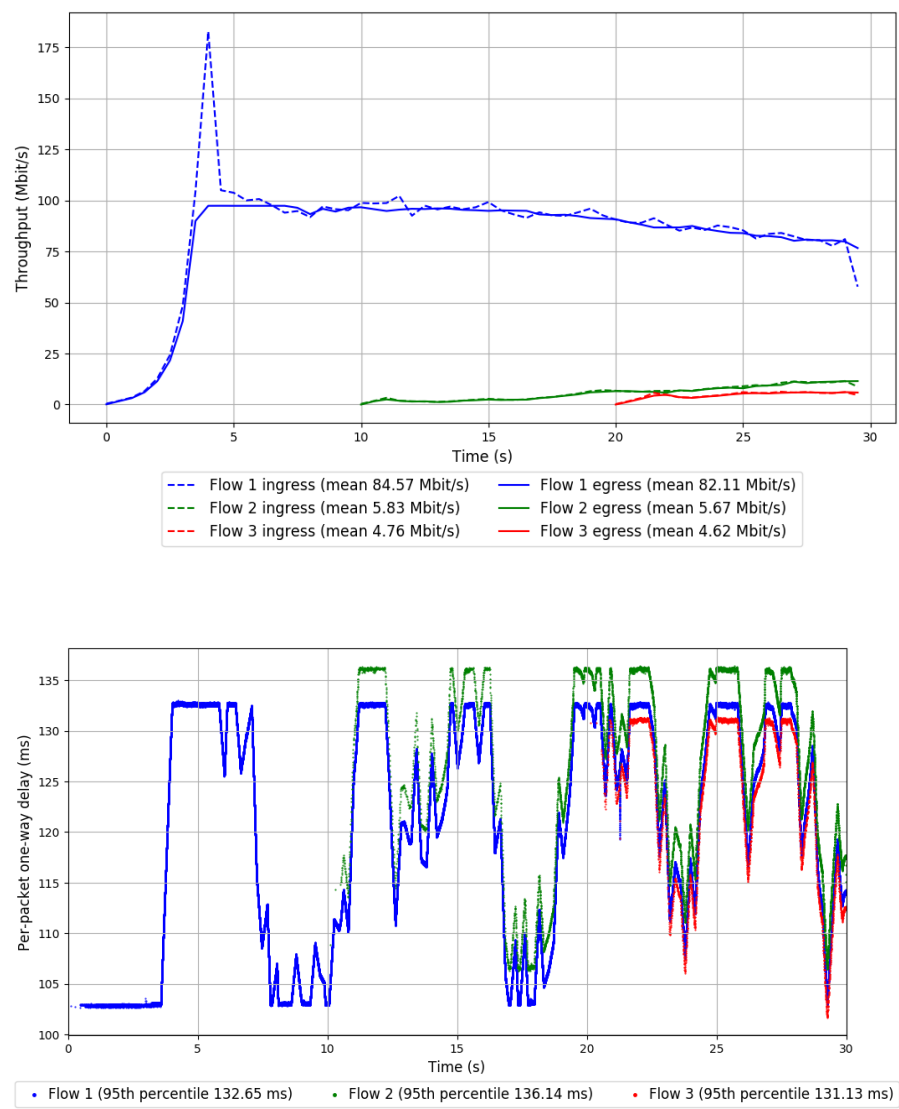
-- Flow 3:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 131.135 ms

Loss rate: 3.14%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 19:43:29

End at: 2018-03-27 19:43:59

Local clock offset: -3.018 ms

Remote clock offset: 2.961 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.23 Mbit/s

95th percentile per-packet one-way delay: 127.234 ms

Loss rate: 3.29%

-- Flow 1:

Average throughput: 80.35 Mbit/s

95th percentile per-packet one-way delay: 127.230 ms

Loss rate: 3.28%

-- Flow 2:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 124.212 ms

Loss rate: 3.25%

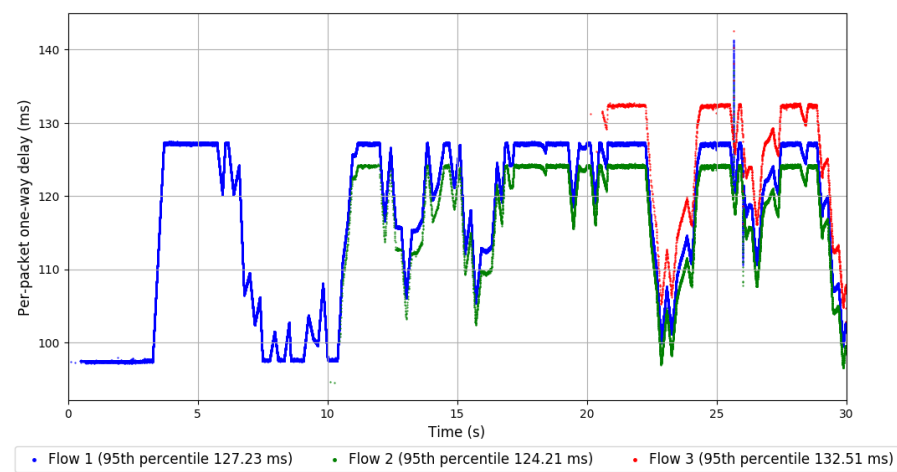
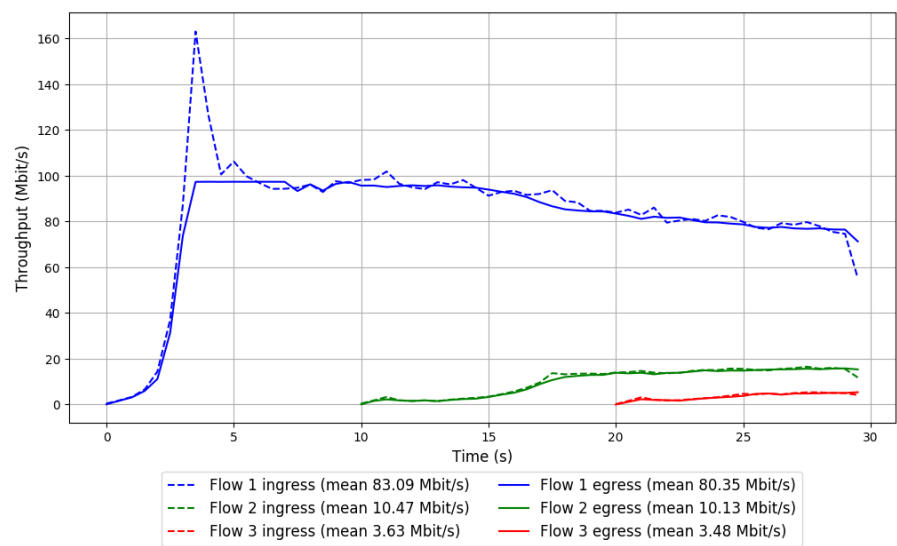
-- Flow 3:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 132.506 ms

Loss rate: 4.41%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 20:07:37

End at: 2018-03-27 20:08:07

Local clock offset: -0.732 ms

Remote clock offset: 3.715 ms

Below is generated by plot.py at 2018-03-27 23:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 128.682 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 82.98 Mbit/s

95th percentile per-packet one-way delay: 128.673 ms

Loss rate: 3.08%

-- Flow 2:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 127.238 ms

Loss rate: 3.97%

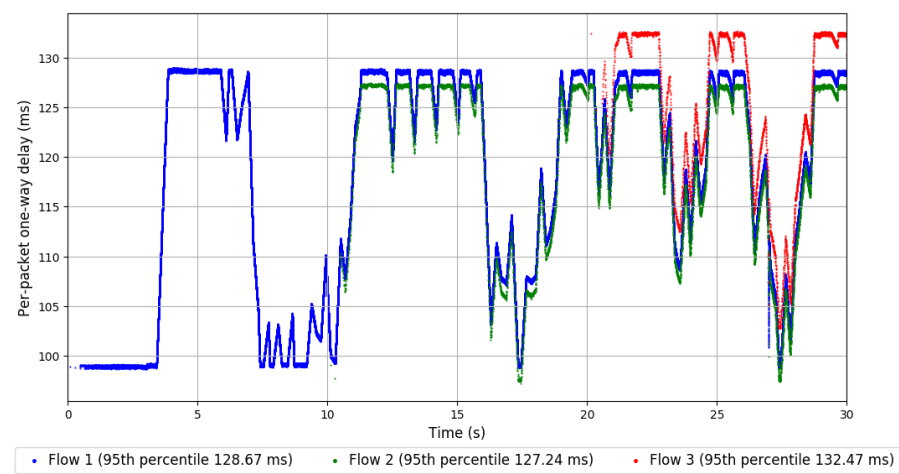
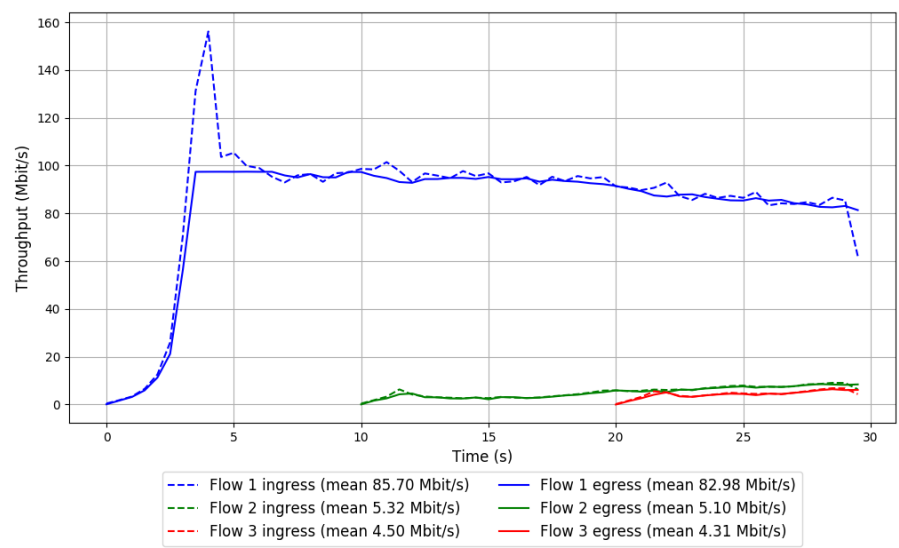
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 132.475 ms

Loss rate: 4.29%

Run 5: Report of Vivace-loss — Data Link

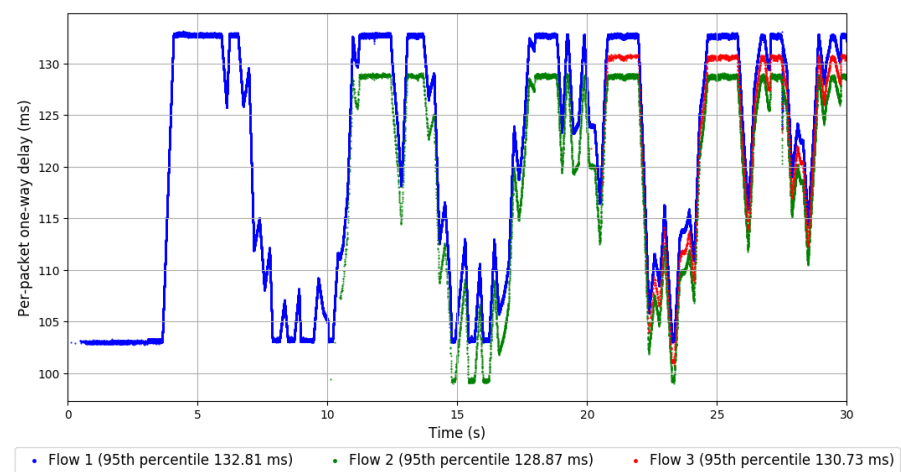
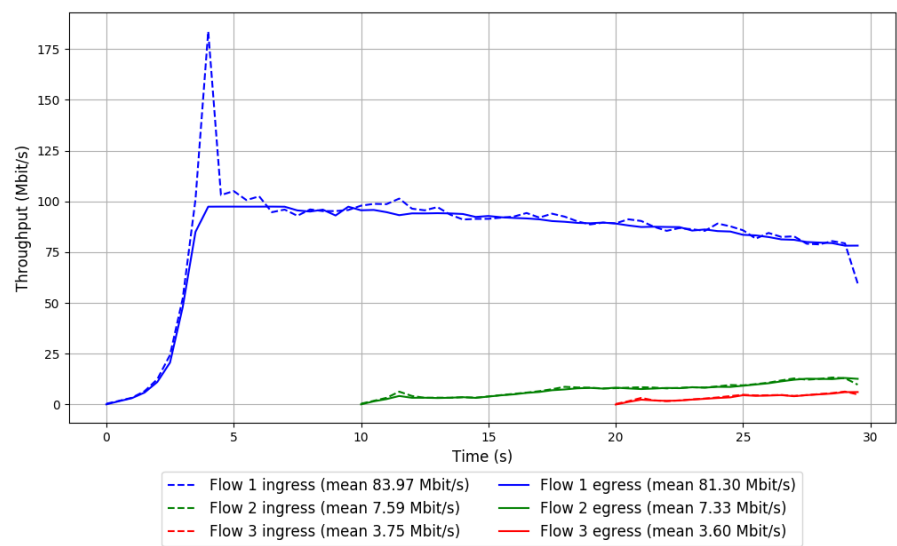


Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 20:31:46
End at: 2018-03-27 20:32:16
Local clock offset: -2.508 ms
Remote clock offset: 10.029 ms

Below is generated by plot.py at 2018-03-27 23:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 132.807 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 132.811 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 128.874 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 130.734 ms
Loss rate: 4.00%

Run 6: Report of Vivace-loss — Data Link

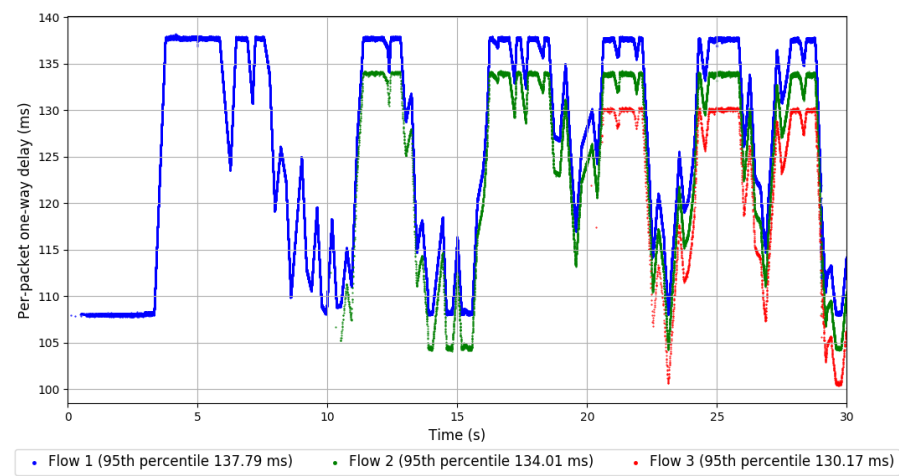
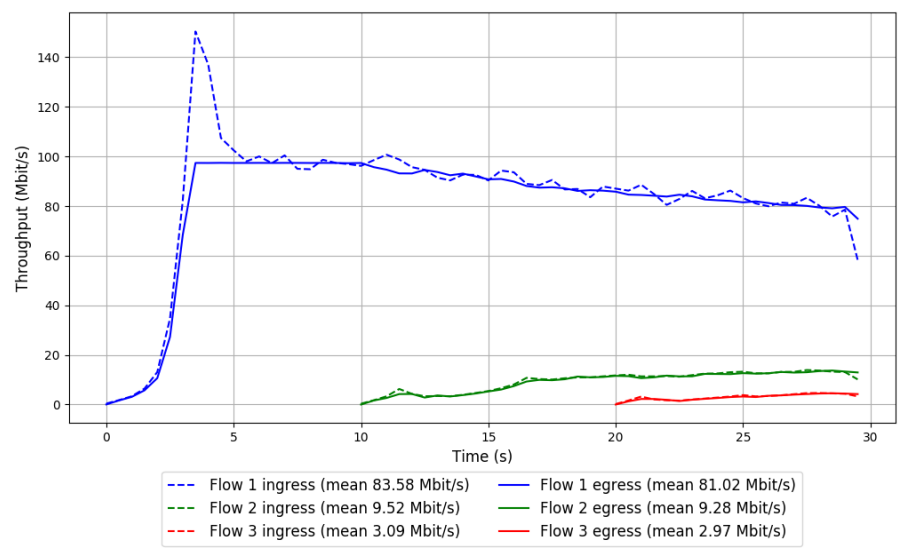


Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 20:55:55
End at: 2018-03-27 20:56:25
Local clock offset: -4.72 ms
Remote clock offset: 10.957 ms

```
# Below is generated by plot.py at 2018-03-27 23:11:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 137.784 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 137.790 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 134.009 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 130.167 ms
Loss rate: 4.07%
```


Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 21:20:20

End at: 2018-03-27 21:20:50

Local clock offset: -6.391 ms

Remote clock offset: 8.214 ms

Below is generated by plot.py at 2018-03-27 23:11:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 131.714 ms

Loss rate: 3.07%

-- Flow 1:

Average throughput: 80.89 Mbit/s

95th percentile per-packet one-way delay: 131.719 ms

Loss rate: 3.04%

-- Flow 2:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 128.220 ms

Loss rate: 3.18%

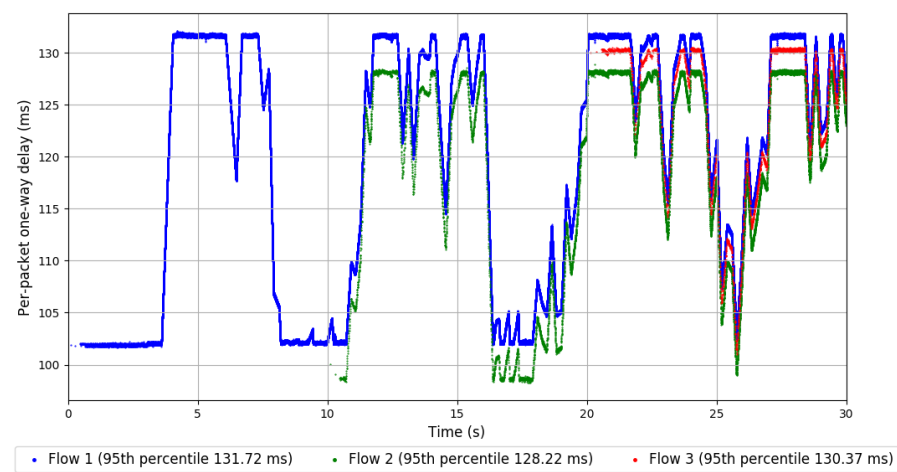
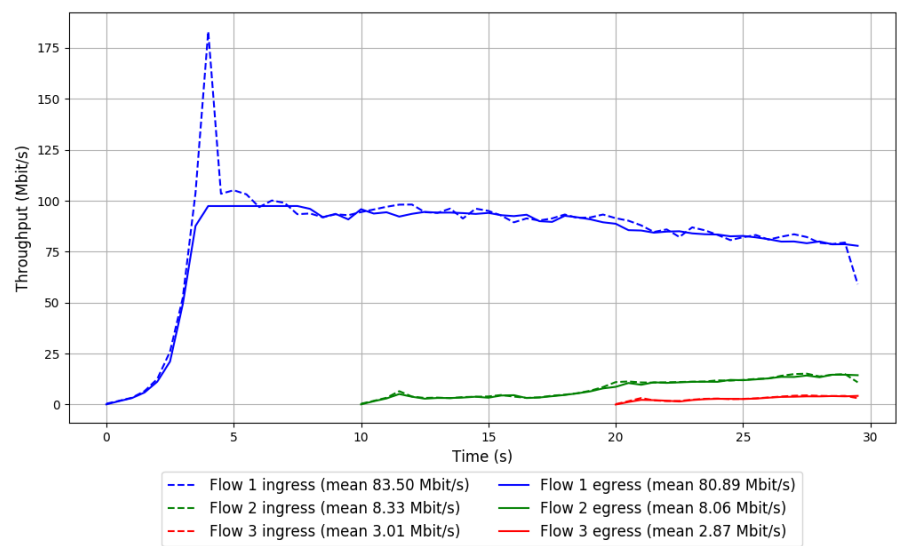
-- Flow 3:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 130.366 ms

Loss rate: 4.64%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

/home/ubuntu/pantheon_data/2018-03-27T18-15-AWS-Brazil-2-to-Colombia-10-runs-3-flows/vivace.

Run 9: Report of Vivace-loss — Data Link

Figure is missing

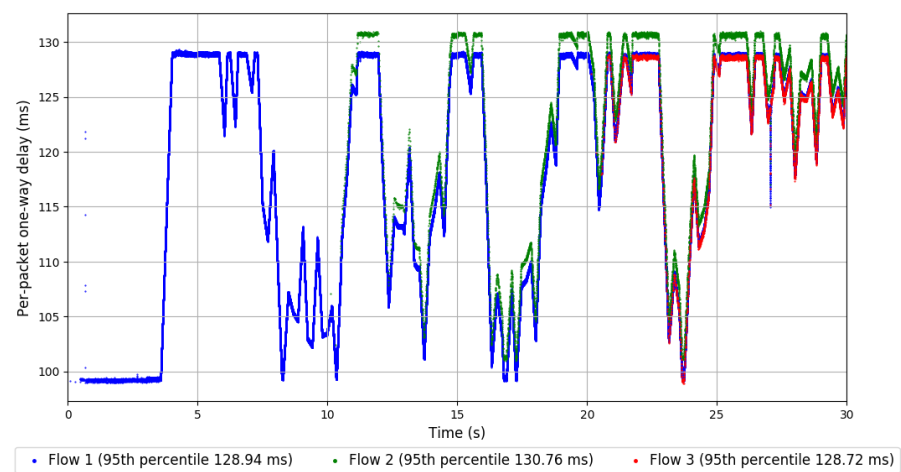
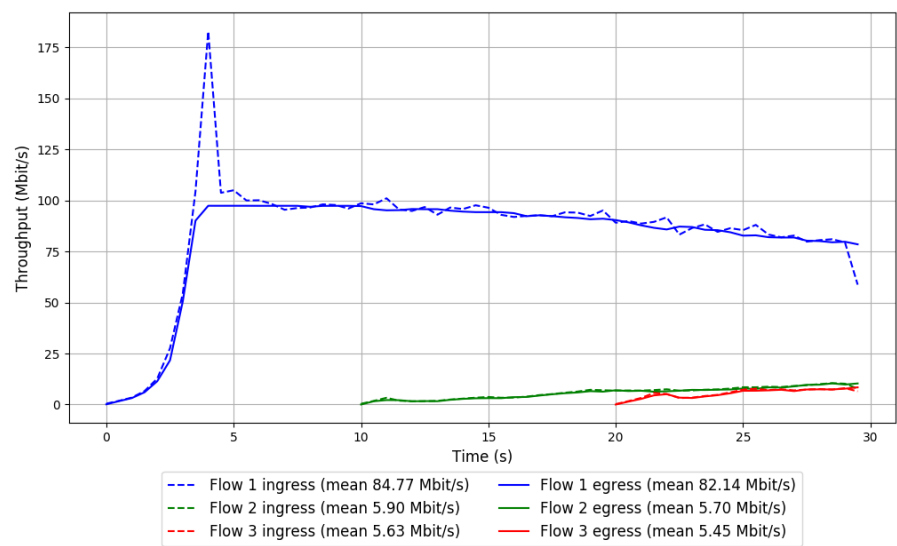
Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 22:09:01
End at: 2018-03-27 22:09:32
Local clock offset: -3.775 ms
Remote clock offset: 20.182 ms

Below is generated by plot.py at 2018-03-27 23:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 128.959 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 128.937 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 130.763 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 128.721 ms
Loss rate: 3.29%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 18:37:50

End at: 2018-03-27 18:38:20

Local clock offset: -6.372 ms

Remote clock offset: 1.868 ms

Below is generated by plot.py at 2018-03-27 23:11:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 129.694 ms

Loss rate: 2.74%

-- Flow 1:

Average throughput: 78.69 Mbit/s

95th percentile per-packet one-way delay: 129.703 ms

Loss rate: 2.82%

-- Flow 2:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 124.073 ms

Loss rate: 2.00%

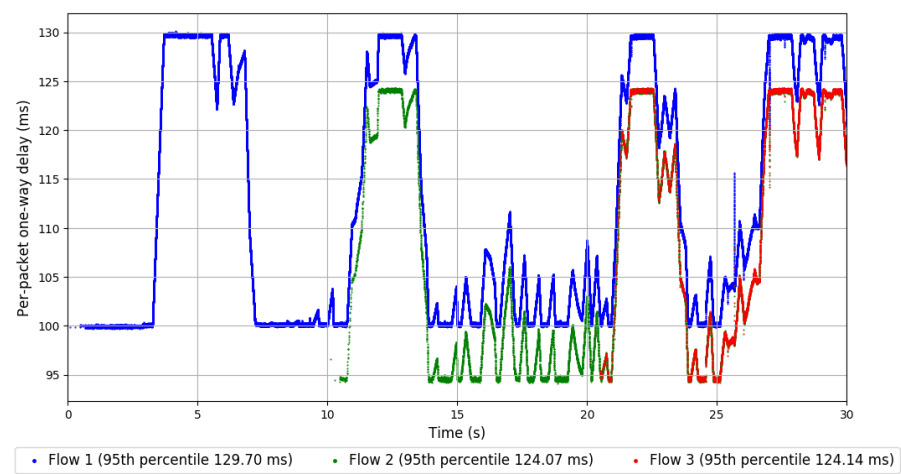
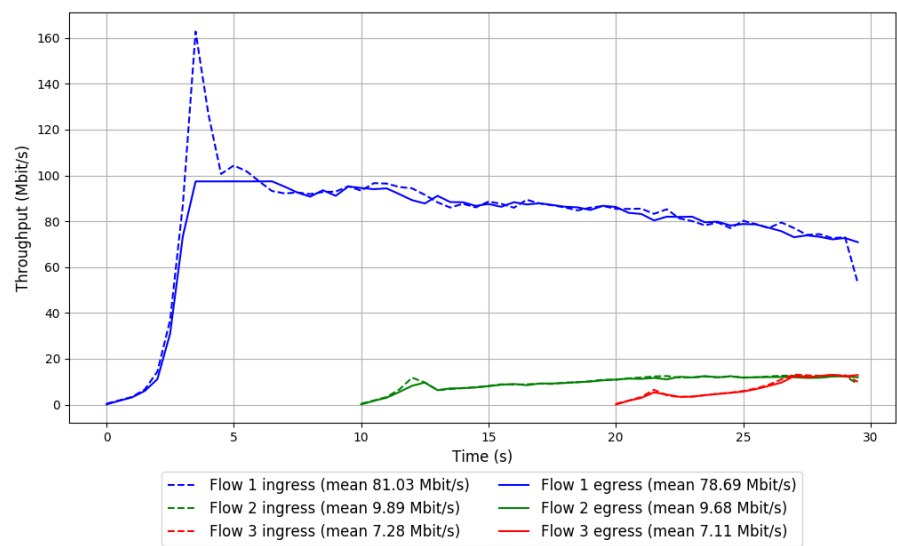
-- Flow 3:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 124.135 ms

Loss rate: 2.16%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 19:01:59

End at: 2018-03-27 19:02:29

Local clock offset: -6.967 ms

Remote clock offset: 9.165 ms

Below is generated by plot.py at 2018-03-27 23:11:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 130.741 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 130.584 ms

Loss rate: 3.26%

-- Flow 2:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 138.845 ms

Loss rate: 2.18%

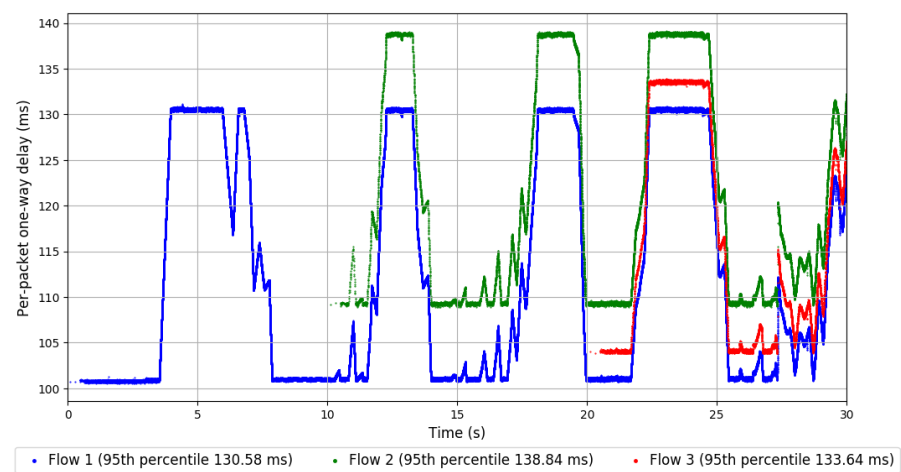
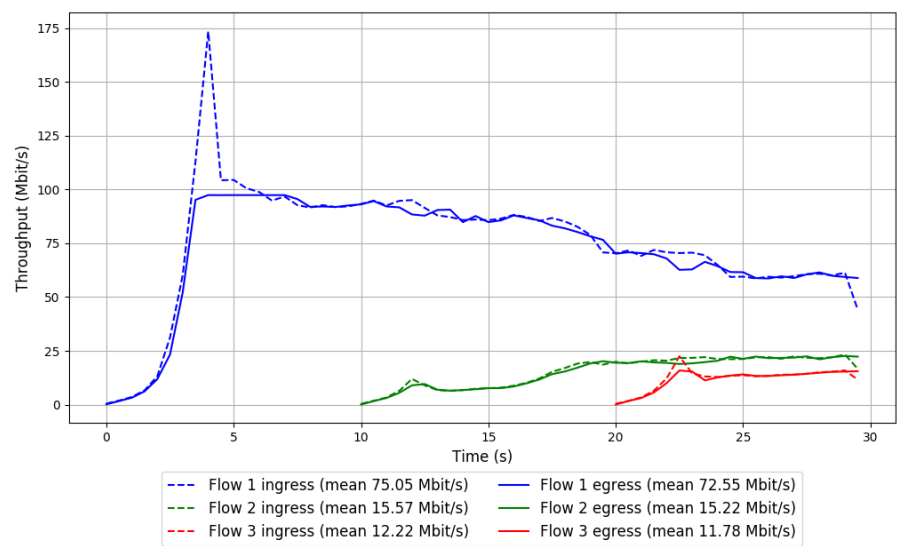
-- Flow 3:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 133.640 ms

Loss rate: 3.40%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 19:26:08

End at: 2018-03-27 19:26:38

Local clock offset: -5.901 ms

Remote clock offset: 1.478 ms

Below is generated by plot.py at 2018-03-27 23:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 125.415 ms

Loss rate: 3.26%

-- Flow 1:

Average throughput: 72.19 Mbit/s

95th percentile per-packet one-way delay: 122.982 ms

Loss rate: 3.34%

-- Flow 2:

Average throughput: 15.95 Mbit/s

95th percentile per-packet one-way delay: 126.033 ms

Loss rate: 2.40%

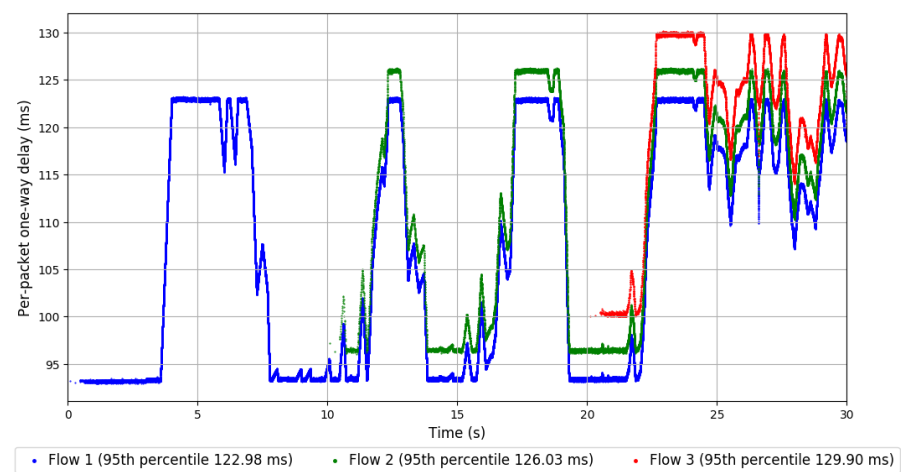
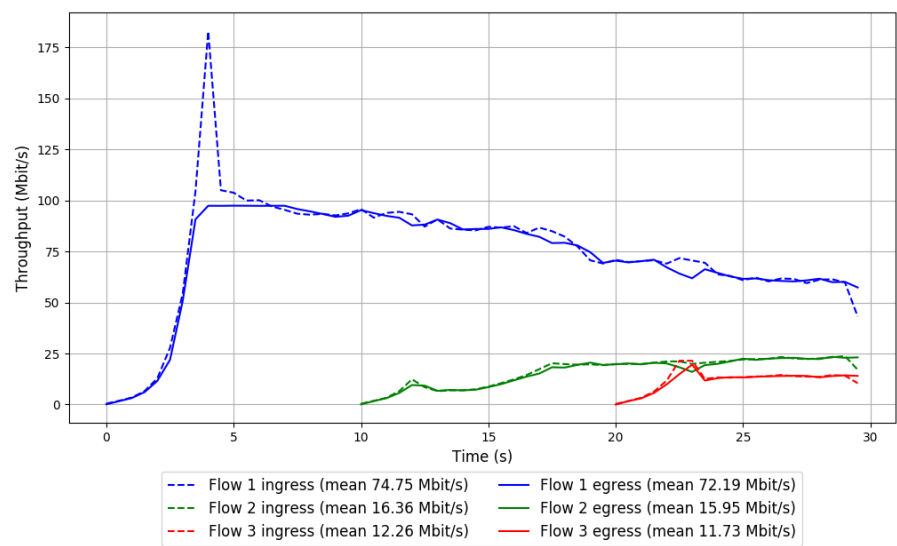
-- Flow 3:

Average throughput: 11.73 Mbit/s

95th percentile per-packet one-way delay: 129.900 ms

Loss rate: 4.11%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 19:50:32

End at: 2018-03-27 19:51:02

Local clock offset: -1.937 ms

Remote clock offset: 9.47 ms

Below is generated by plot.py at 2018-03-27 23:12:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.73 Mbit/s

95th percentile per-packet one-way delay: 131.261 ms

Loss rate: 2.91%

-- Flow 1:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 130.136 ms

Loss rate: 3.01%

-- Flow 2:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 138.887 ms

Loss rate: 2.02%

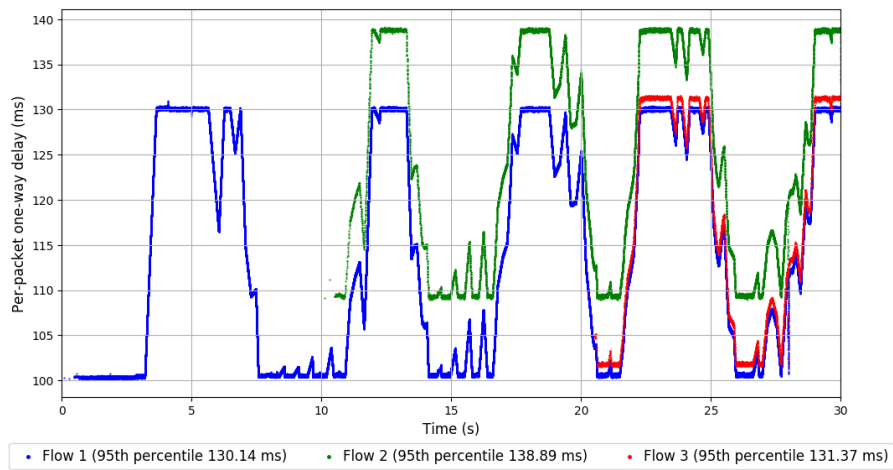
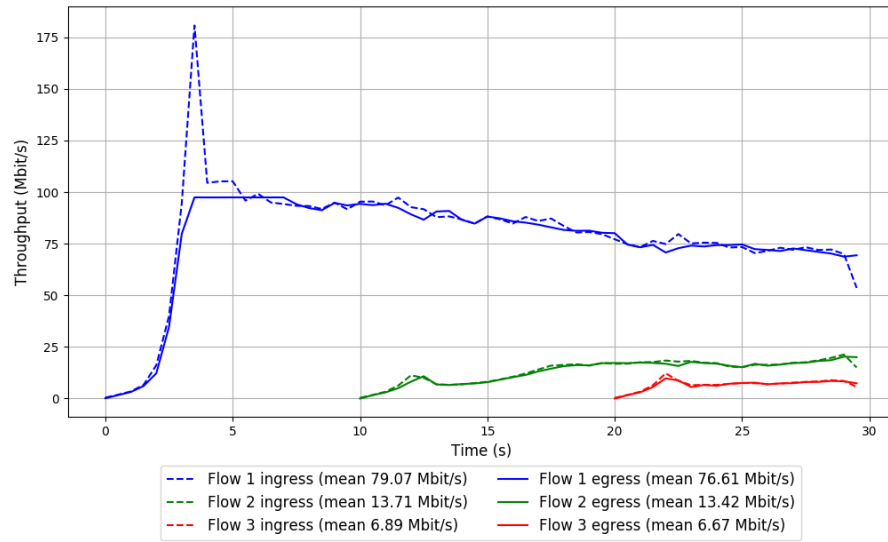
-- Flow 3:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 131.372 ms

Loss rate: 3.02%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 20:14:39

End at: 2018-03-27 20:15:09

Local clock offset: -1.957 ms

Remote clock offset: 9.309 ms

Below is generated by plot.py at 2018-03-27 23:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.77 Mbit/s

95th percentile per-packet one-way delay: 131.151 ms

Loss rate: 2.85%

-- Flow 1:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 131.103 ms

Loss rate: 2.96%

-- Flow 2:

Average throughput: 12.54 Mbit/s

95th percentile per-packet one-way delay: 133.947 ms

Loss rate: 1.96%

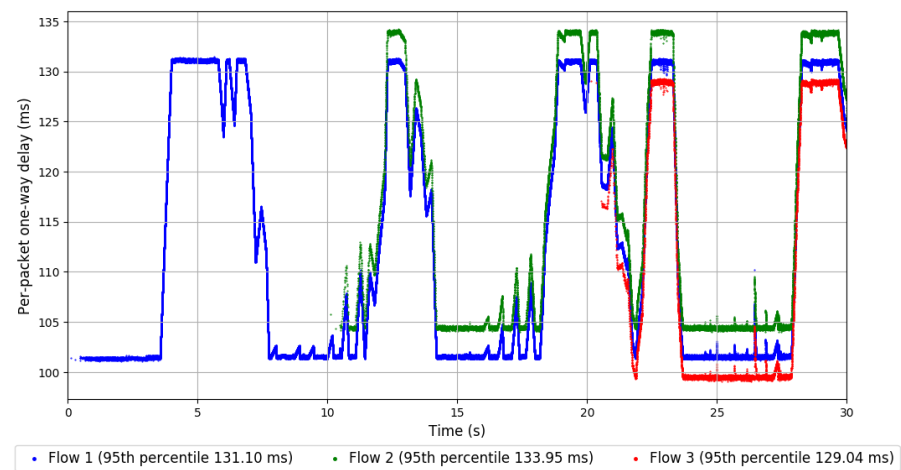
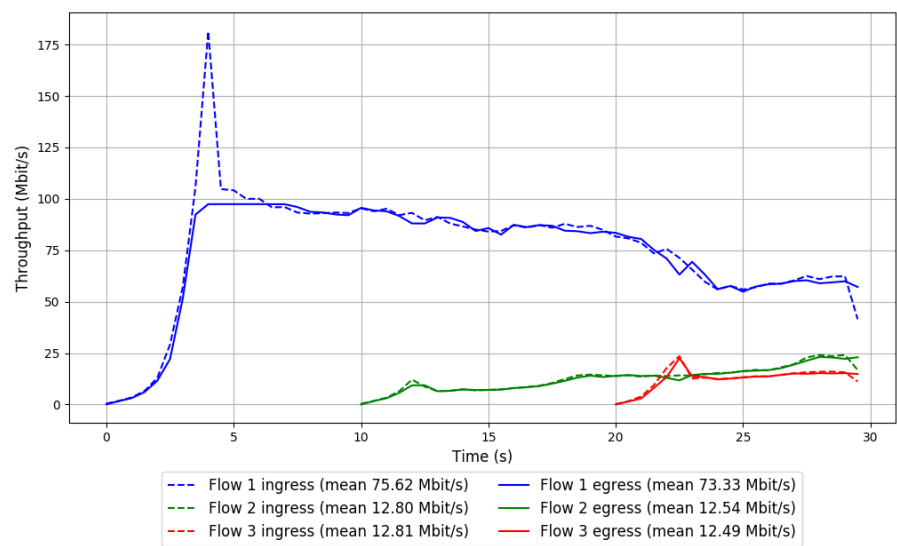
-- Flow 3:

Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 129.040 ms

Loss rate: 2.56%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 20:38:49

End at: 2018-03-27 20:39:19

Local clock offset: -2.388 ms

Remote clock offset: 3.973 ms

Below is generated by plot.py at 2018-03-27 23:12:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 124.311 ms

Loss rate: 3.13%

-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 124.296 ms

Loss rate: 3.20%

-- Flow 2:

Average throughput: 13.65 Mbit/s

95th percentile per-packet one-way delay: 123.116 ms

Loss rate: 2.29%

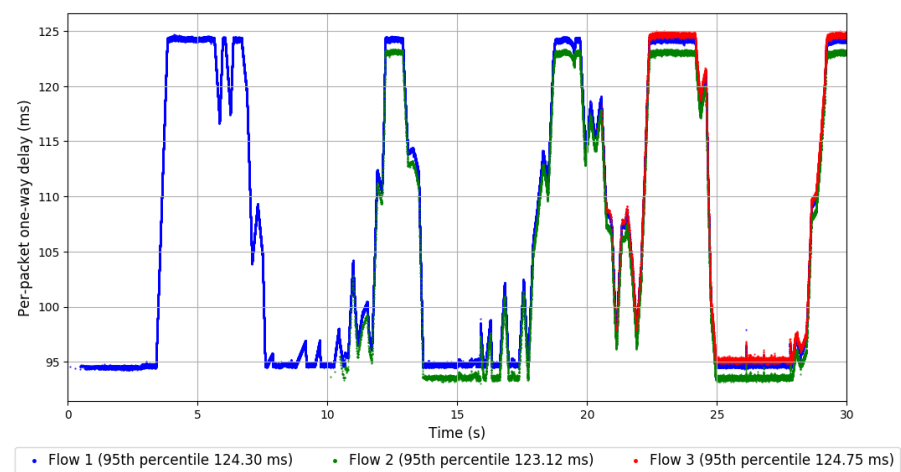
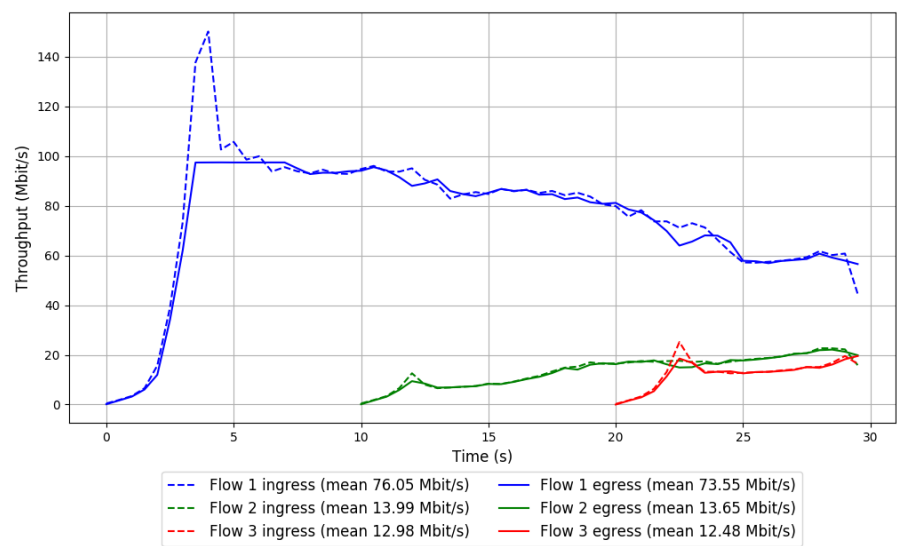
-- Flow 3:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 124.747 ms

Loss rate: 3.80%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 21:03:00

End at: 2018-03-27 21:03:30

Local clock offset: -5.125 ms

Remote clock offset: 4.952 ms

Below is generated by plot.py at 2018-03-27 23:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 126.227 ms

Loss rate: 2.54%

-- Flow 1:

Average throughput: 77.21 Mbit/s

95th percentile per-packet one-way delay: 126.215 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 127.685 ms

Loss rate: 1.21%

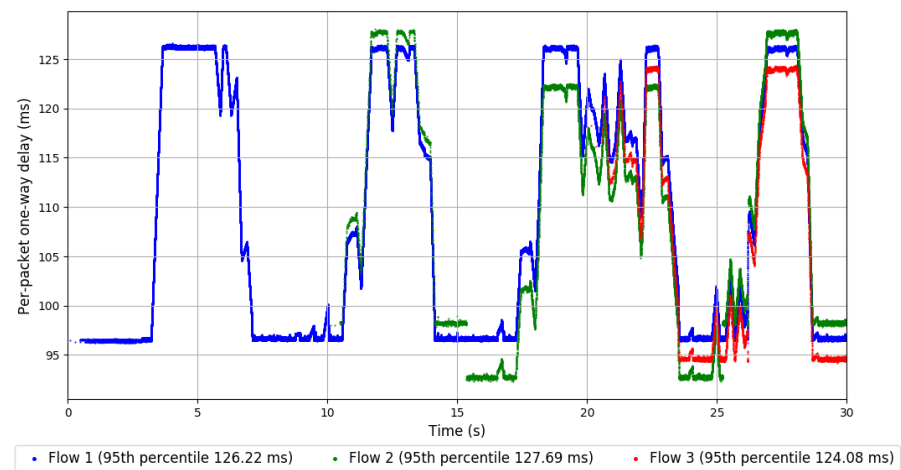
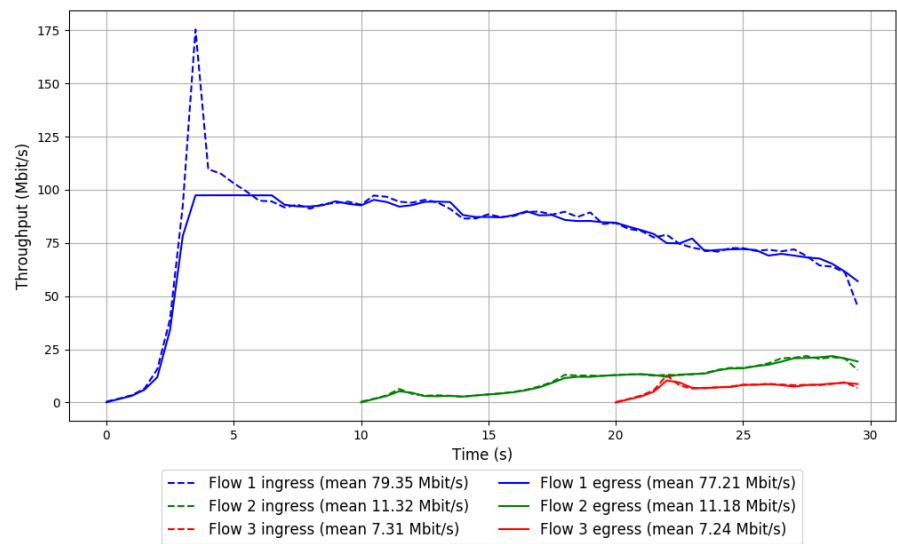
-- Flow 3:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 124.076 ms

Loss rate: 1.32%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 21:27:21

End at: 2018-03-27 21:27:51

Local clock offset: -7.056 ms

Remote clock offset: 8.288 ms

Below is generated by plot.py at 2018-03-27 23:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 131.086 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 131.096 ms

Loss rate: 2.88%

-- Flow 2:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 128.814 ms

Loss rate: 1.49%

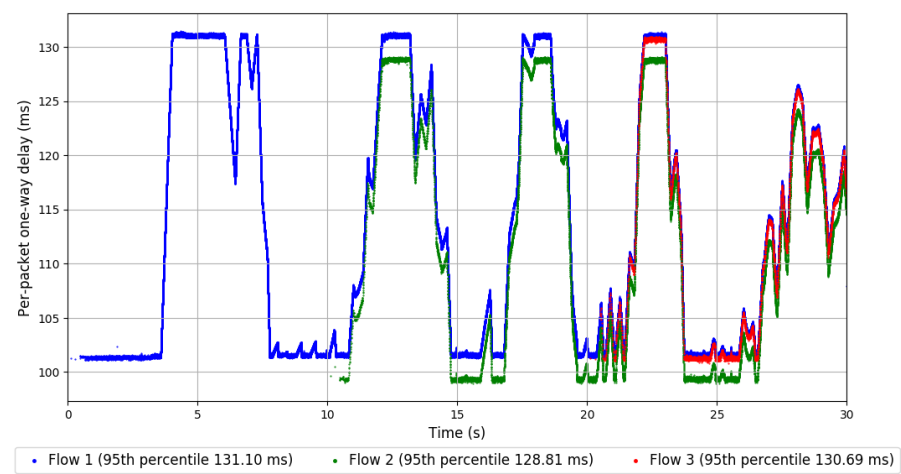
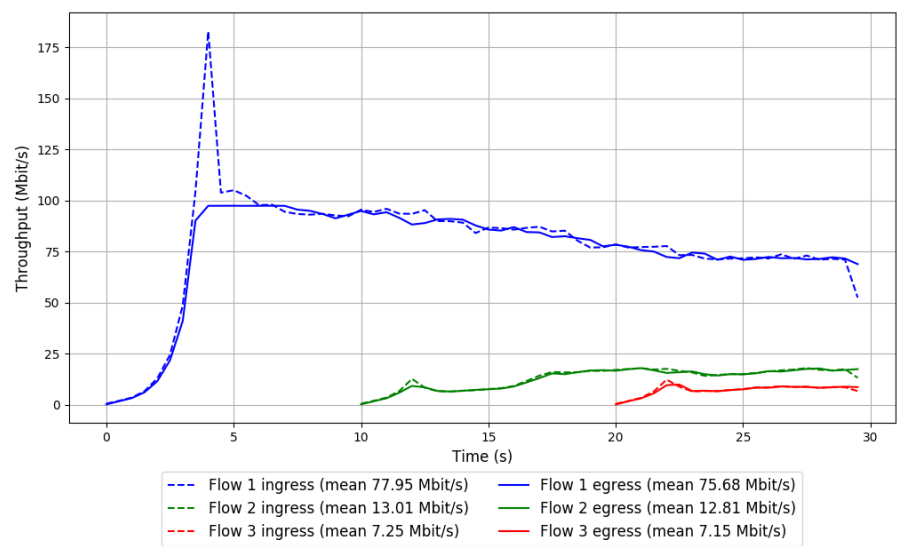
-- Flow 3:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 130.692 ms

Loss rate: 1.20%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 21:51:51

End at: 2018-03-27 21:52:21

Local clock offset: -7.116 ms

Remote clock offset: 6.272 ms

Below is generated by plot.py at 2018-03-27 23:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 126.619 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 126.630 ms

Loss rate: 2.75%

-- Flow 2:

Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 124.981 ms

Loss rate: 1.93%

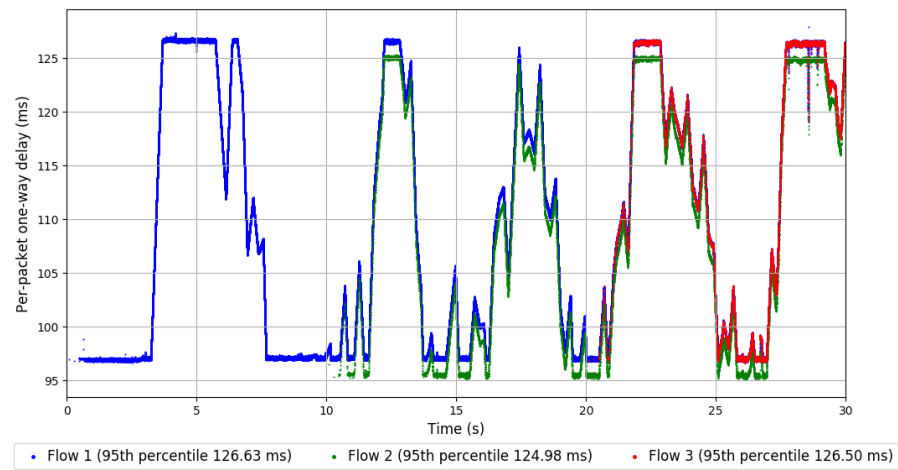
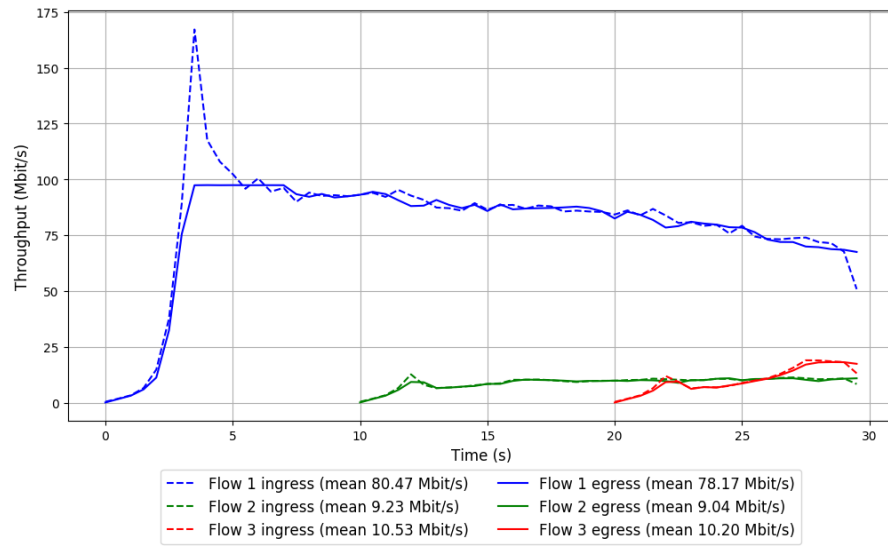
-- Flow 3:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 126.502 ms

Loss rate: 2.90%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 22:16:05

End at: 2018-03-27 22:16:35

Local clock offset: -3.235 ms

Remote clock offset: 16.11 ms

Below is generated by plot.py at 2018-03-27 23:12:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 131.988 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 132.002 ms

Loss rate: 3.33%

-- Flow 2:

Average throughput: 14.74 Mbit/s

95th percentile per-packet one-way delay: 130.279 ms

Loss rate: 2.31%

-- Flow 3:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 128.501 ms

Loss rate: 1.85%

Run 10: Report of Vivace-LTE — Data Link

