

Pantheon Report

Generated at 2018-01-27 20:28:52 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

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

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

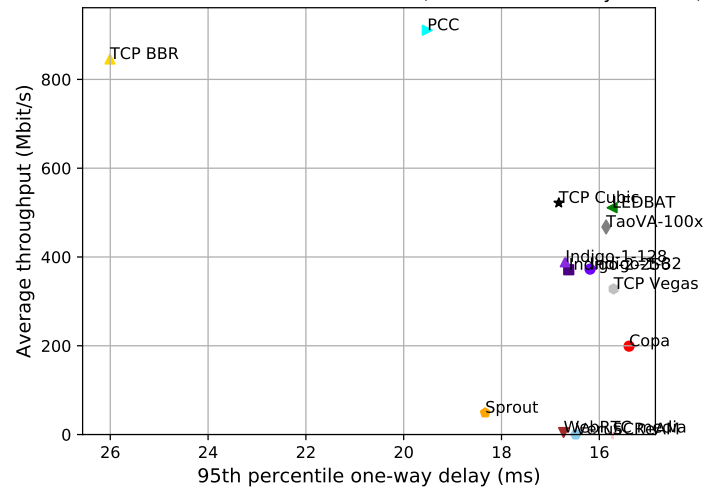
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

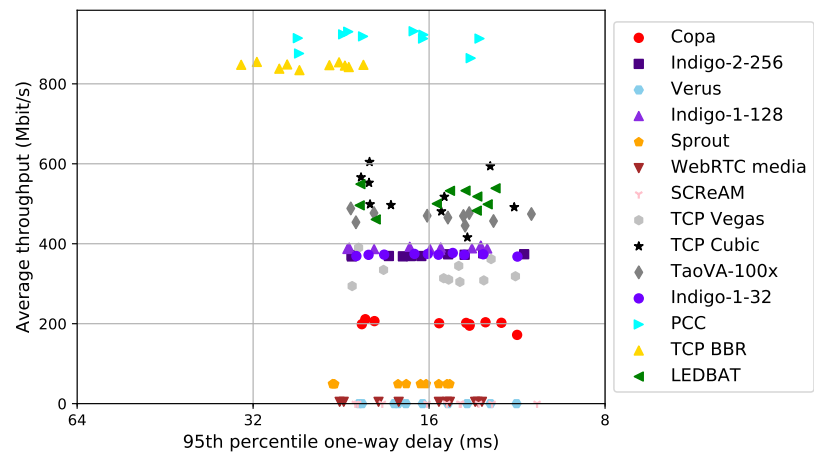
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS California 1 Ethernet to Stanford 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	505.37	355.14	313.46	28.62	18.06	17.91	3.35	5.49	7.23
TCP Cubic	10	327.25	202.11	180.78	16.66	16.29	16.30	0.07	0.09	0.14
LEDBAT	10	294.04	241.16	169.88	15.48	15.54	15.62	0.01	0.02	0.03
PCC	10	786.13	143.50	88.94	20.44	16.73	16.71	0.45	0.32	0.40
QUIC Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCReAM	10	0.22	0.22	0.22	15.73	15.45	15.59	0.00	0.00	0.00
WebRTC media	10	2.37	1.53	0.67	16.75	16.53	16.62	0.00	0.00	0.00
Sprout	10	24.71	24.58	24.43	18.16	18.28	18.05	0.01	0.01	0.01
TaoVA-100x	10	248.66	241.13	226.29	15.51	15.66	16.67	0.00	0.01	0.01
TCP Vegas	10	182.45	140.07	157.59	15.45	15.25	15.41	0.02	0.06	0.09
Verus	10	0.00	0.00	0.00	16.52	15.84	15.61	0.00	0.00	0.00
Copa	10	103.23	101.48	108.51	15.00	14.85	15.30	0.00	0.00	0.00
Indigo-2-256	10	195.22	182.64	171.19	16.10	16.68	17.26	0.01	0.02	0.03
Indigo-1-32	10	192.74	186.62	175.89	15.84	16.01	16.78	0.00	0.01	0.01
Indigo-1-128	10	205.79	193.86	171.47	16.18	16.73	17.58	0.01	0.02	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-01-27 08:36:33

End at: 2018-01-27 08:37:03

Local clock offset: 3.166 ms

Below is generated by plot.py at 2018-01-27 19:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 838.00 Mbit/s

95th percentile per-packet one-way delay: 28.865 ms

Loss rate: 4.65%

-- Flow 1:

Average throughput: 537.47 Mbit/s

95th percentile per-packet one-way delay: 31.180 ms

Loss rate: 3.23%

-- Flow 2:

Average throughput: 311.15 Mbit/s

95th percentile per-packet one-way delay: 22.049 ms

Loss rate: 6.33%

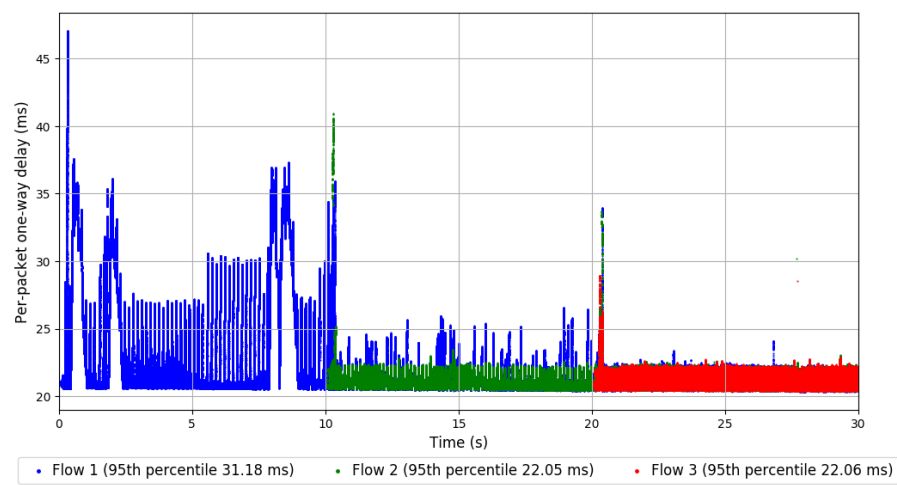
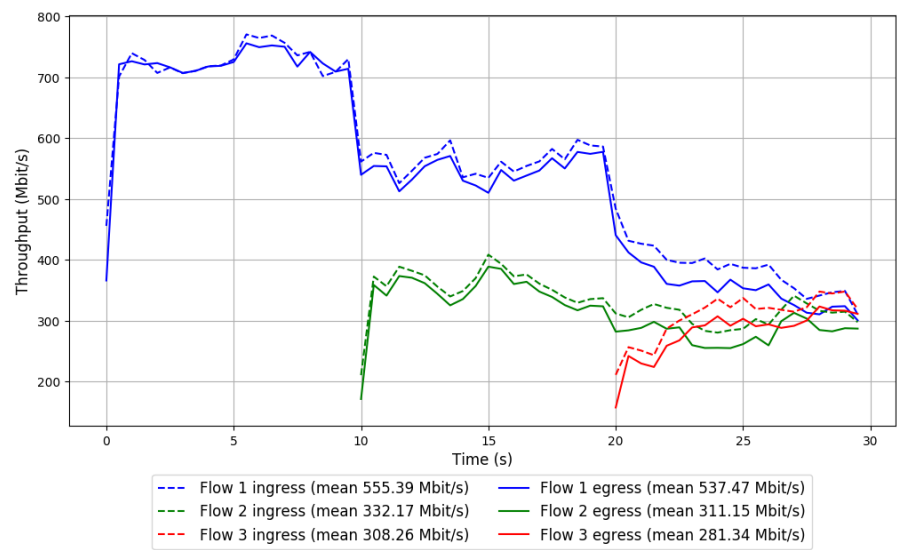
-- Flow 3:

Average throughput: 281.34 Mbit/s

95th percentile per-packet one-way delay: 22.060 ms

Loss rate: 8.73%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-27 09:27:17

End at: 2018-01-27 09:27:47

Local clock offset: -3.986 ms

Below is generated by plot.py at 2018-01-27 19:05:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 845.70 Mbit/s

95th percentile per-packet one-way delay: 22.291 ms

Loss rate: 4.04%

-- Flow 1:

Average throughput: 521.11 Mbit/s

95th percentile per-packet one-way delay: 25.631 ms

Loss rate: 2.78%

-- Flow 2:

Average throughput: 348.61 Mbit/s

95th percentile per-packet one-way delay: 15.021 ms

Loss rate: 5.69%

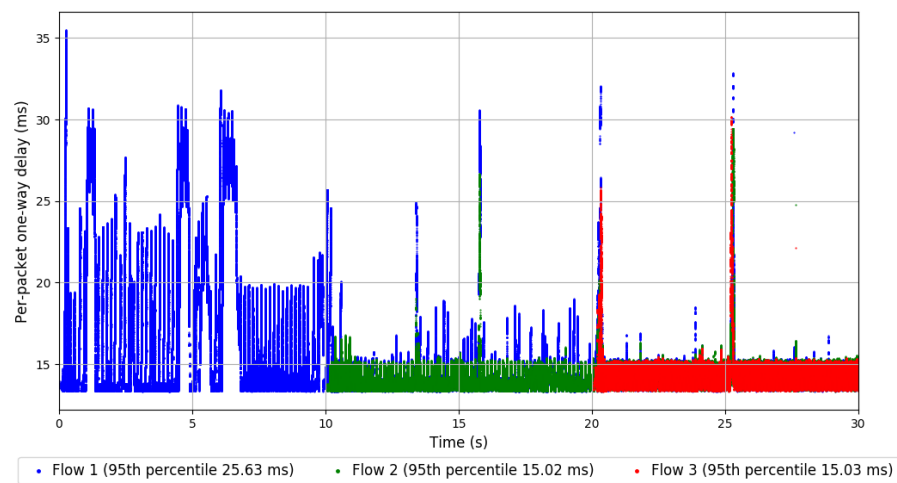
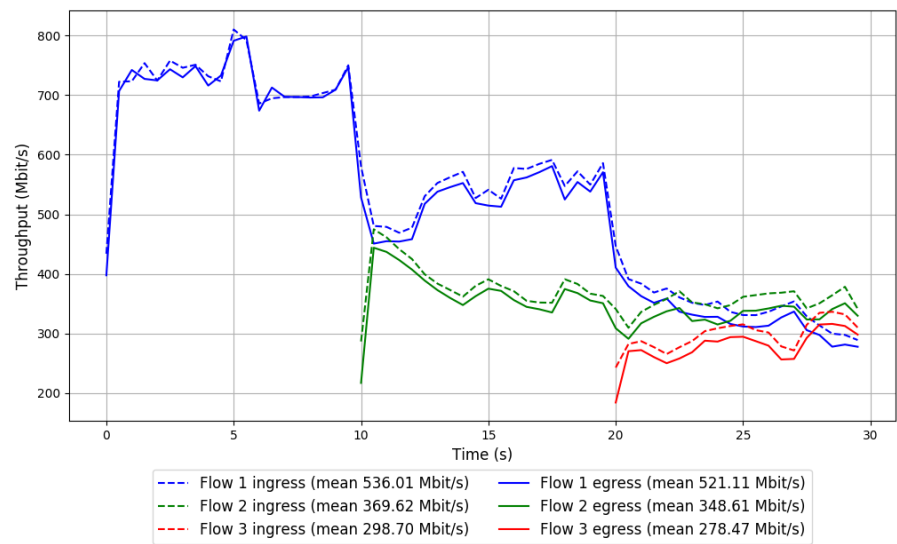
-- Flow 3:

Average throughput: 278.47 Mbit/s

95th percentile per-packet one-way delay: 15.032 ms

Loss rate: 6.78%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-27 10:17:57

End at: 2018-01-27 10:18:27

Local clock offset: -2.545 ms

Below is generated by plot.py at 2018-01-27 19:05:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 854.01 Mbit/s

95th percentile per-packet one-way delay: 22.812 ms

Loss rate: 4.20%

-- Flow 1:

Average throughput: 525.14 Mbit/s

95th percentile per-packet one-way delay: 25.422 ms

Loss rate: 3.20%

-- Flow 2:

Average throughput: 329.45 Mbit/s

95th percentile per-packet one-way delay: 16.426 ms

Loss rate: 5.08%

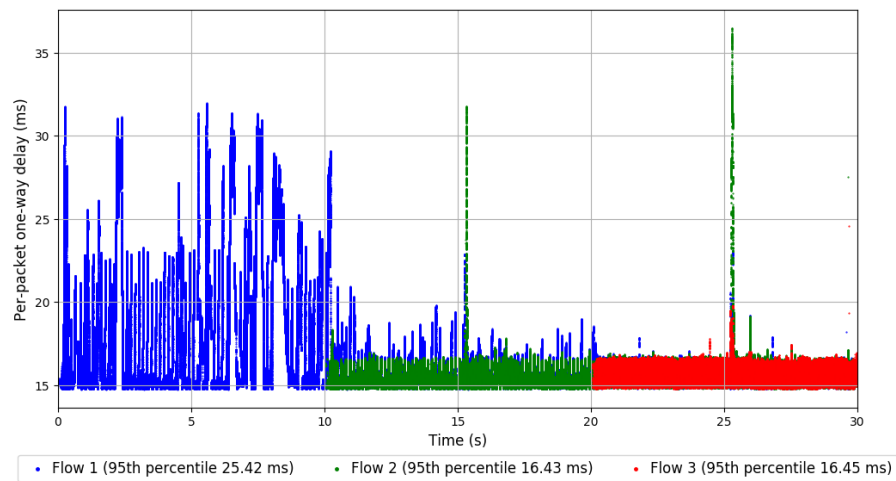
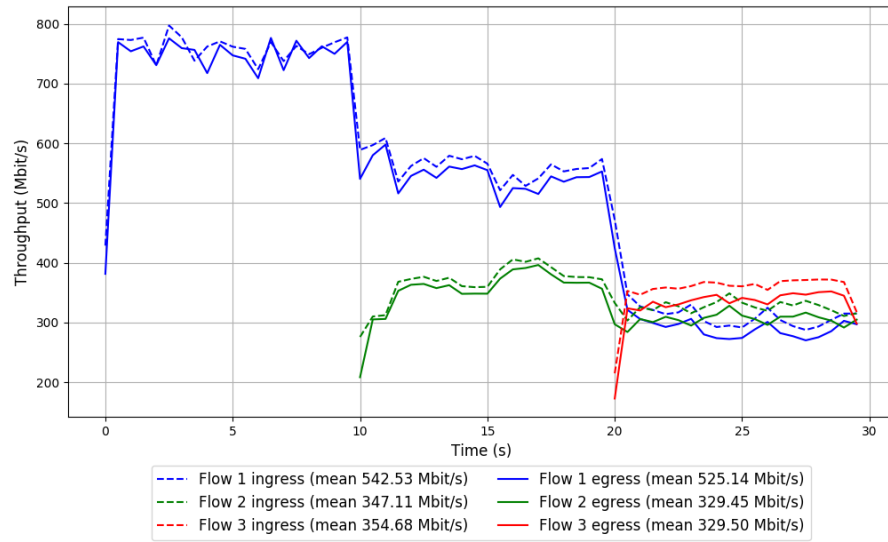
-- Flow 3:

Average throughput: 329.50 Mbit/s

95th percentile per-packet one-way delay: 16.455 ms

Loss rate: 7.09%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-27 11:08:39

End at: 2018-01-27 11:09:09

Local clock offset: 1.287 ms

Below is generated by plot.py at 2018-01-27 19:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 854.90 Mbit/s

95th percentile per-packet one-way delay: 31.534 ms

Loss rate: 4.90%

-- Flow 1:

Average throughput: 523.37 Mbit/s

95th percentile per-packet one-way delay: 32.790 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 362.14 Mbit/s

95th percentile per-packet one-way delay: 20.806 ms

Loss rate: 5.80%

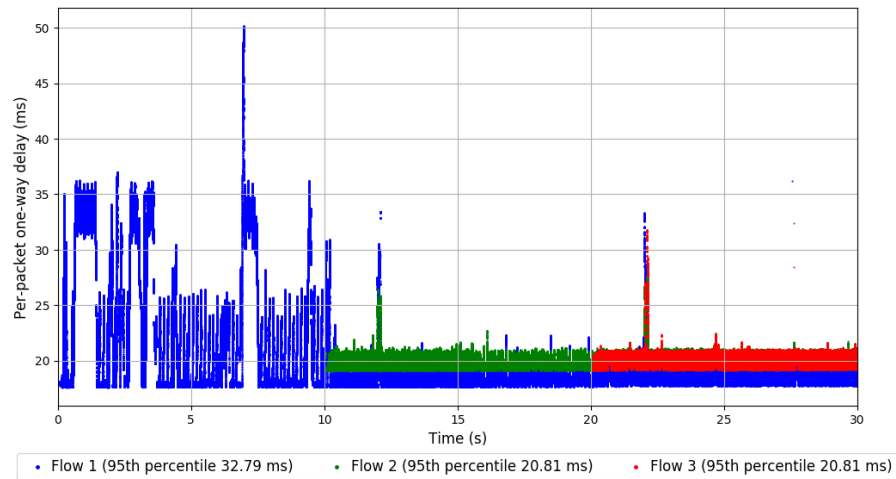
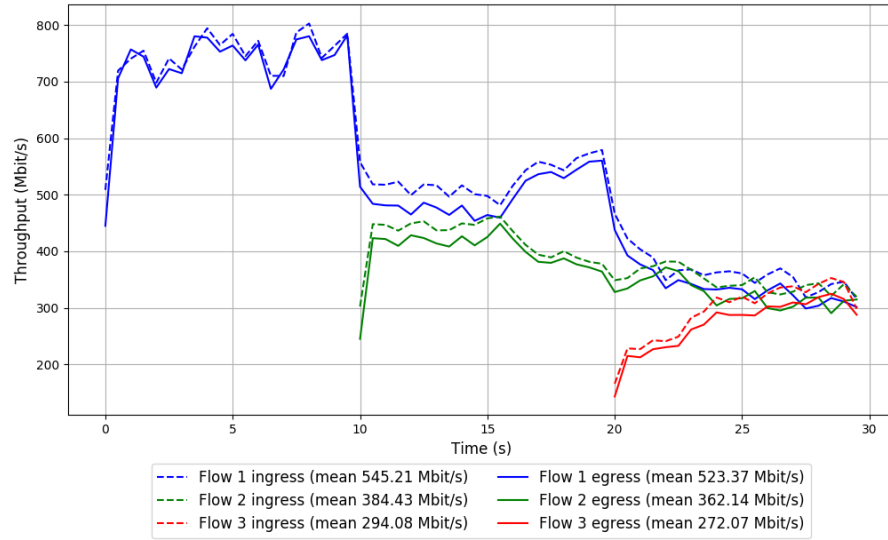
-- Flow 3:

Average throughput: 272.07 Mbit/s

95th percentile per-packet one-way delay: 20.808 ms

Loss rate: 7.50%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-27 11:59:24

End at: 2018-01-27 11:59:54

Local clock offset: 3.338 ms

Below is generated by plot.py at 2018-01-27 19:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 847.74 Mbit/s

95th percentile per-packet one-way delay: 33.537 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 488.26 Mbit/s

95th percentile per-packet one-way delay: 34.792 ms

Loss rate: 3.53%

-- Flow 2:

Average throughput: 394.01 Mbit/s

95th percentile per-packet one-way delay: 21.513 ms

Loss rate: 5.37%

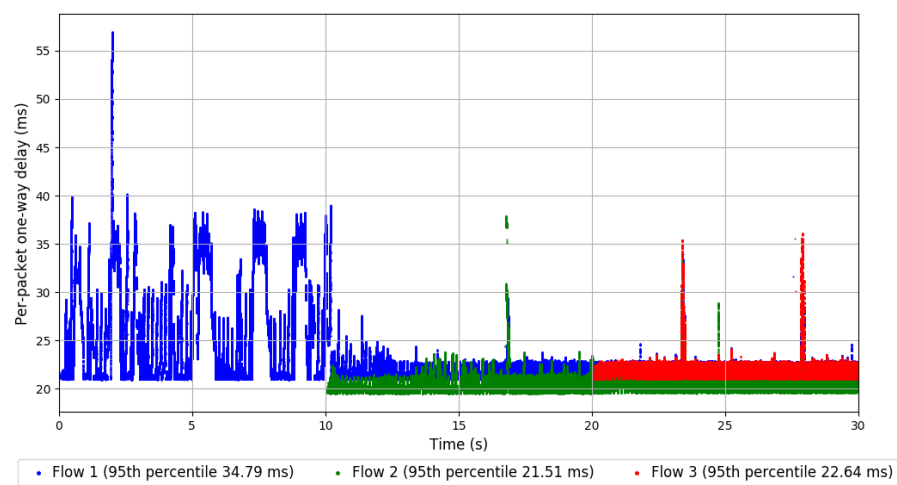
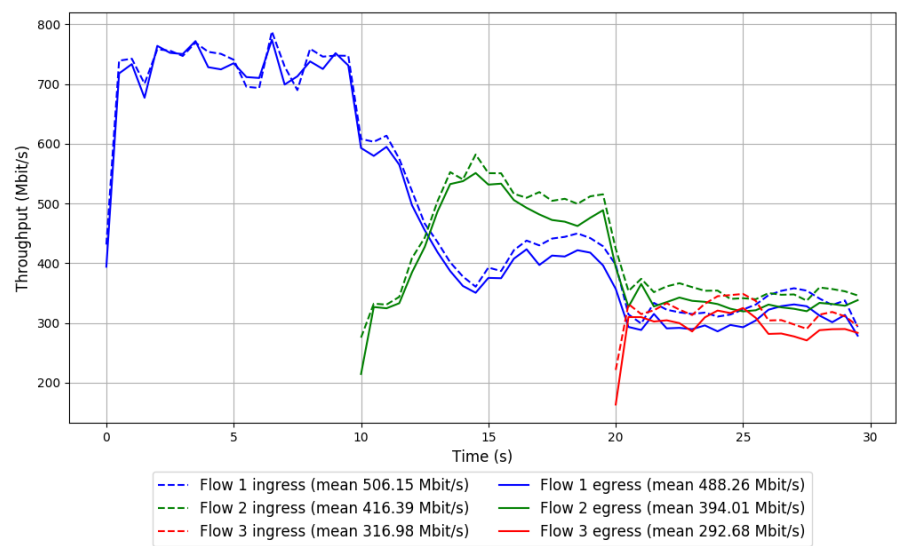
-- Flow 3:

Average throughput: 292.68 Mbit/s

95th percentile per-packet one-way delay: 22.643 ms

Loss rate: 7.67%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-27 12:50:04

End at: 2018-01-27 12:50:34

Local clock offset: -6.101 ms

Below is generated by plot.py at 2018-01-27 19:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 842.05 Mbit/s

95th percentile per-packet one-way delay: 21.954 ms

Loss rate: 4.51%

-- Flow 1:

Average throughput: 472.87 Mbit/s

95th percentile per-packet one-way delay: 23.445 ms

Loss rate: 3.62%

-- Flow 2:

Average throughput: 388.56 Mbit/s

95th percentile per-packet one-way delay: 12.790 ms

Loss rate: 5.14%

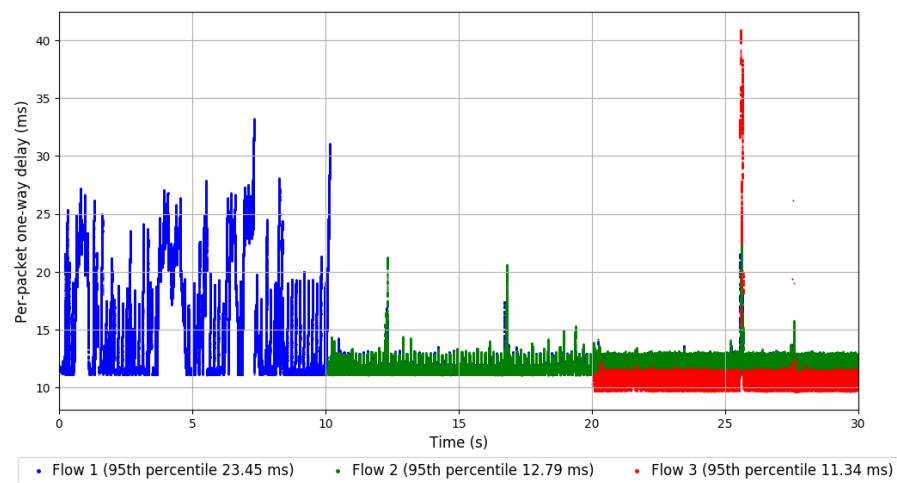
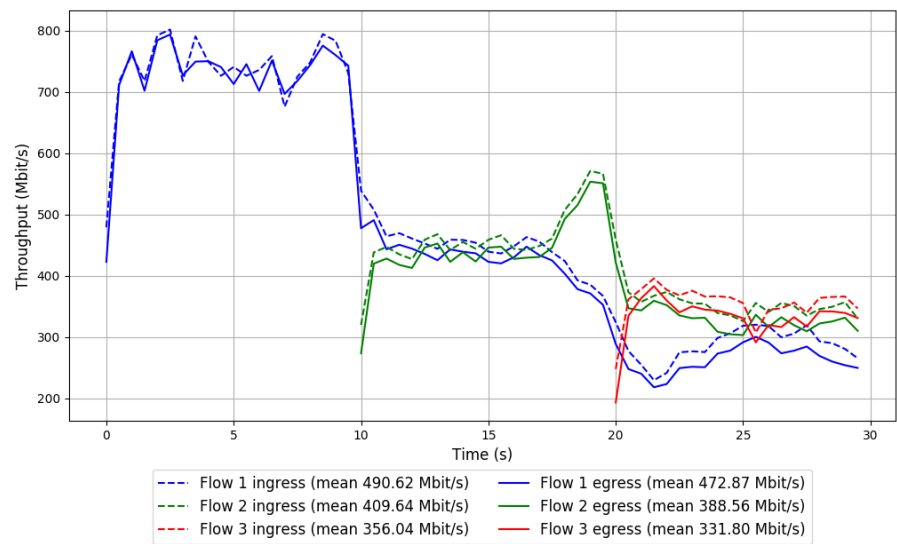
-- Flow 3:

Average throughput: 331.80 Mbit/s

95th percentile per-packet one-way delay: 11.335 ms

Loss rate: 6.80%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-27 13:40:42

End at: 2018-01-27 13:41:12

Local clock offset: -2.945 ms

Below is generated by plot.py at 2018-01-27 19:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 846.83 Mbit/s

95th percentile per-packet one-way delay: 23.695 ms

Loss rate: 4.56%

-- Flow 1:

Average throughput: 524.85 Mbit/s

95th percentile per-packet one-way delay: 27.583 ms

Loss rate: 3.12%

-- Flow 2:

Average throughput: 327.08 Mbit/s

95th percentile per-packet one-way delay: 15.994 ms

Loss rate: 6.35%

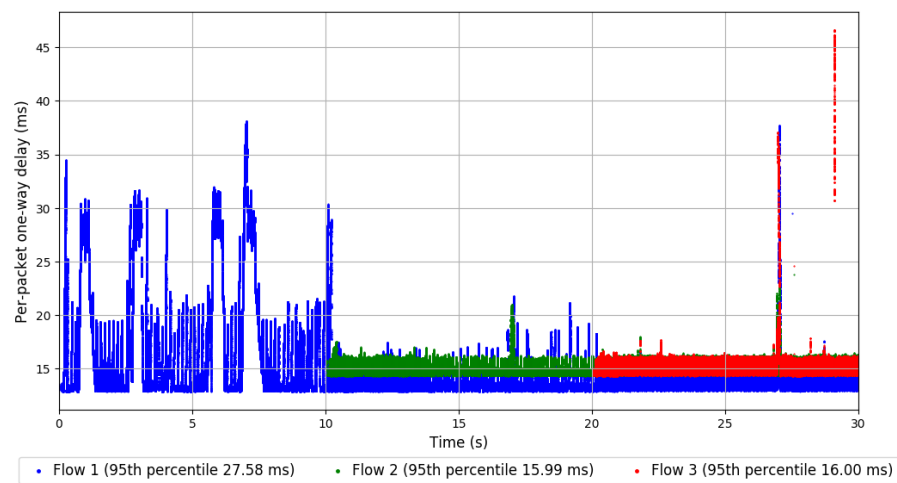
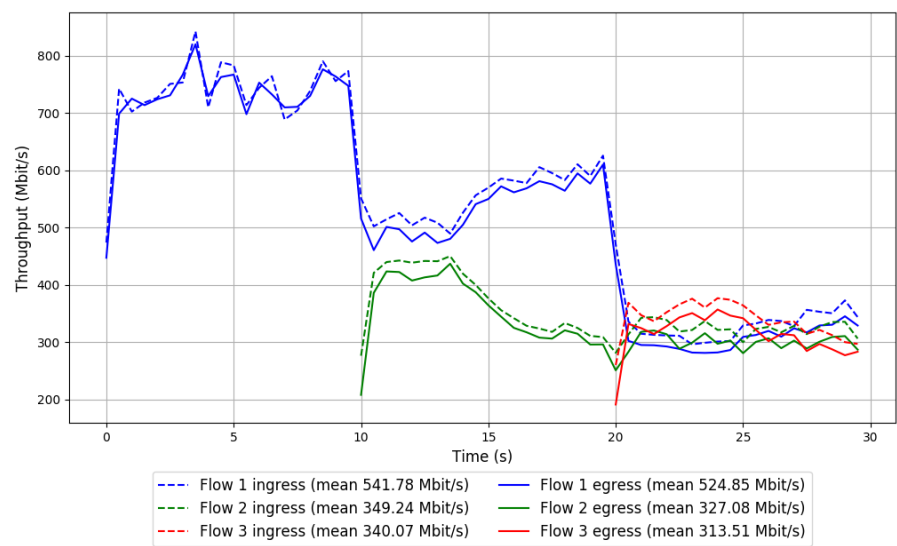
-- Flow 3:

Average throughput: 313.51 Mbit/s

95th percentile per-packet one-way delay: 16.002 ms

Loss rate: 7.81%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-27 14:31:01

End at: 2018-01-27 14:31:31

Local clock offset: 3.141 ms

Below is generated by plot.py at 2018-01-27 19:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 834.34 Mbit/s

95th percentile per-packet one-way delay: 26.662 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 475.20 Mbit/s

95th percentile per-packet one-way delay: 28.314 ms

Loss rate: 3.67%

-- Flow 2:

Average throughput: 366.21 Mbit/s

95th percentile per-packet one-way delay: 22.016 ms

Loss rate: 5.37%

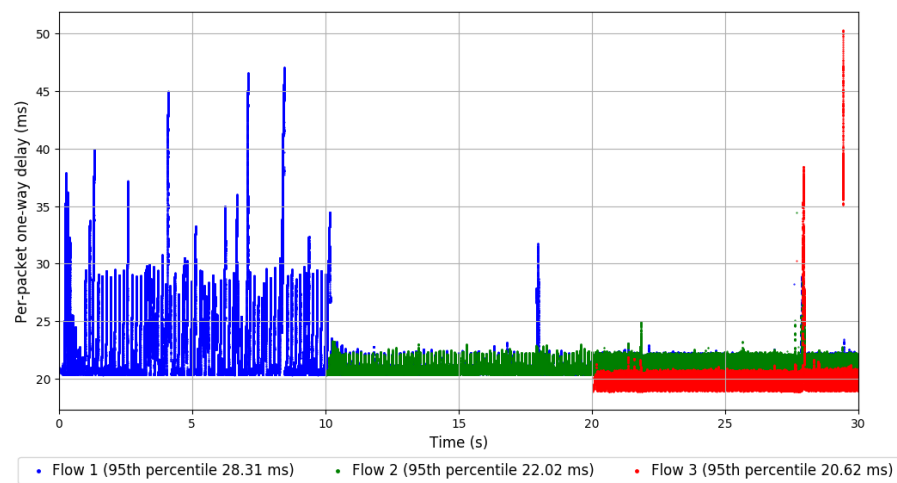
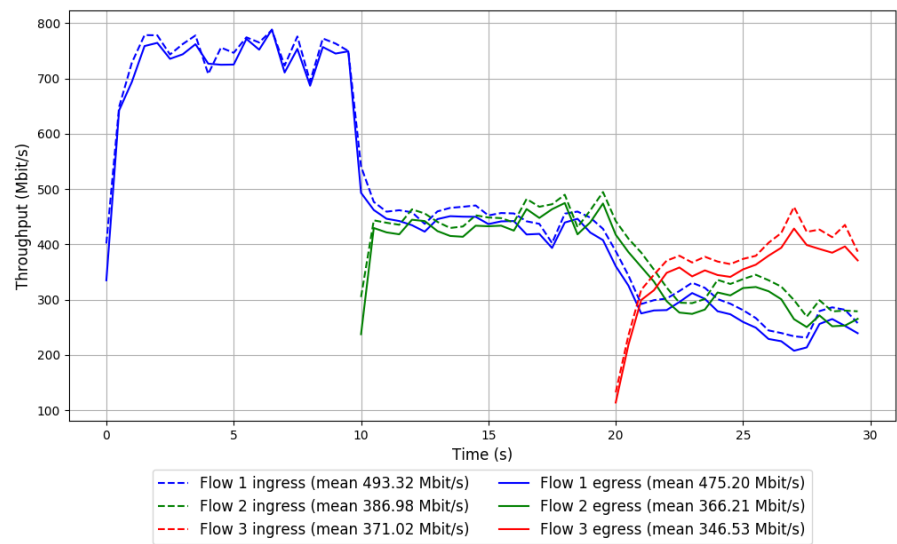
-- Flow 3:

Average throughput: 346.53 Mbit/s

95th percentile per-packet one-way delay: 20.619 ms

Loss rate: 6.61%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-27 15:21:42

End at: 2018-01-27 15:22:12

Local clock offset: 1.21 ms

Below is generated by plot.py at 2018-01-27 19:16:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 848.58 Mbit/s

95th percentile per-packet one-way delay: 27.982 ms

Loss rate: 3.84%

-- Flow 1:

Average throughput: 538.07 Mbit/s

95th percentile per-packet one-way delay: 31.830 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 328.92 Mbit/s

95th percentile per-packet one-way delay: 20.019 ms

Loss rate: 4.76%

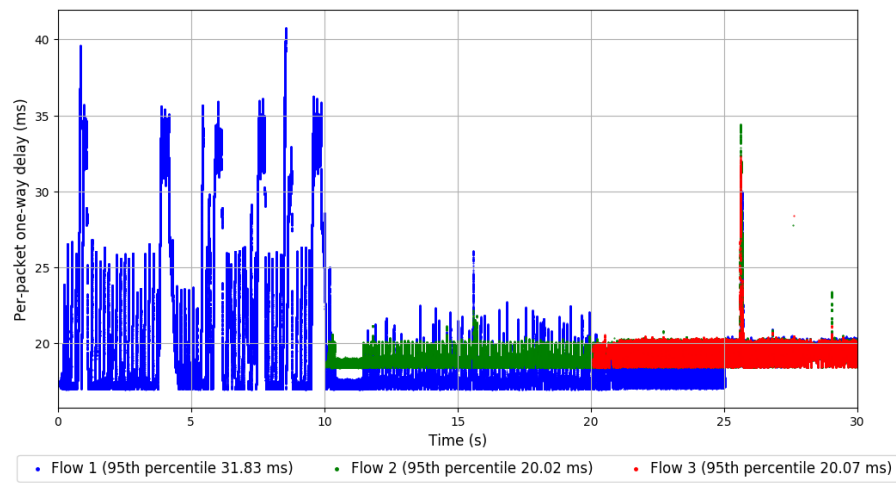
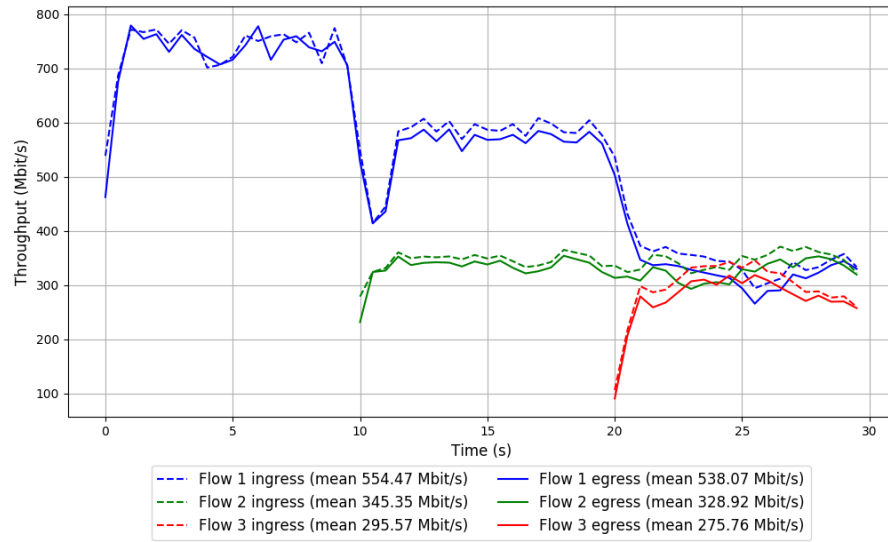
-- Flow 3:

Average throughput: 275.76 Mbit/s

95th percentile per-packet one-way delay: 20.074 ms

Loss rate: 6.70%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-27 16:12:23

End at: 2018-01-27 16:12:53

Local clock offset: -4.615 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 847.58 Mbit/s

95th percentile per-packet one-way delay: 20.723 ms

Loss rate: 4.44%

-- Flow 1:

Average throughput: 447.33 Mbit/s

95th percentile per-packet one-way delay: 25.246 ms

Loss rate: 3.39%

-- Flow 2:

Average throughput: 395.27 Mbit/s

95th percentile per-packet one-way delay: 13.942 ms

Loss rate: 5.03%

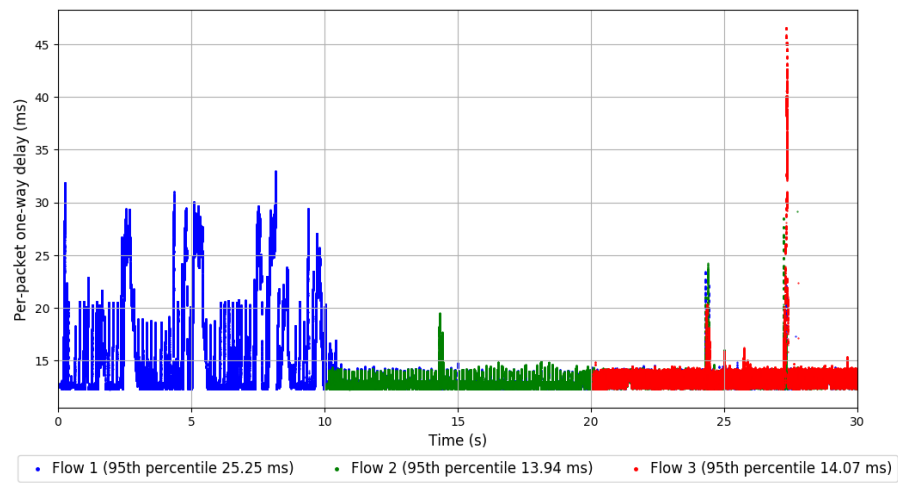
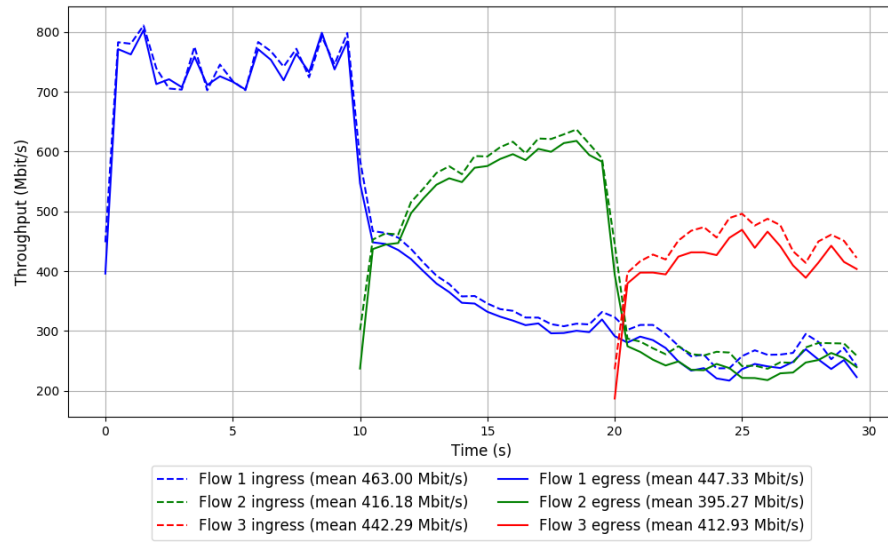
-- Flow 3:

Average throughput: 412.93 Mbit/s

95th percentile per-packet one-way delay: 14.069 ms

Loss rate: 6.66%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-27 08:40:06

End at: 2018-01-27 08:40:36

Local clock offset: 2.499 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 604.69 Mbit/s

95th percentile per-packet one-way delay: 20.231 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 379.31 Mbit/s

95th percentile per-packet one-way delay: 20.402 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 222.52 Mbit/s

95th percentile per-packet one-way delay: 19.137 ms

Loss rate: 0.20%

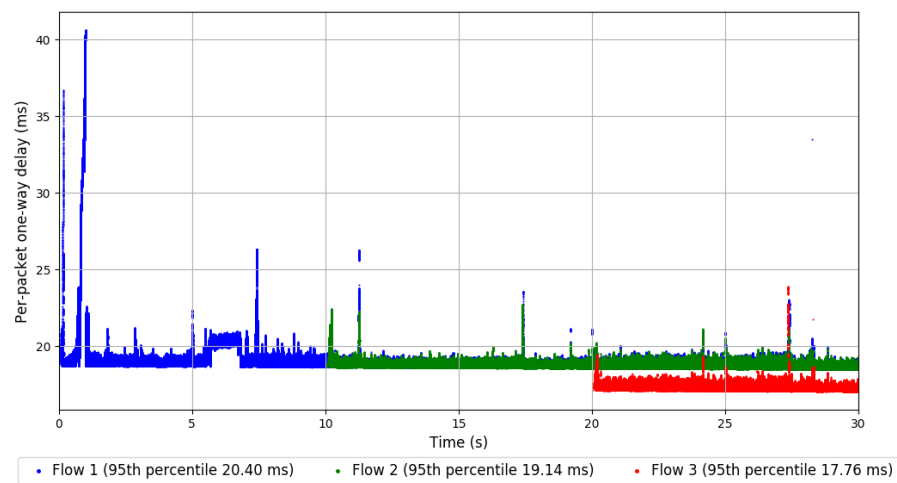
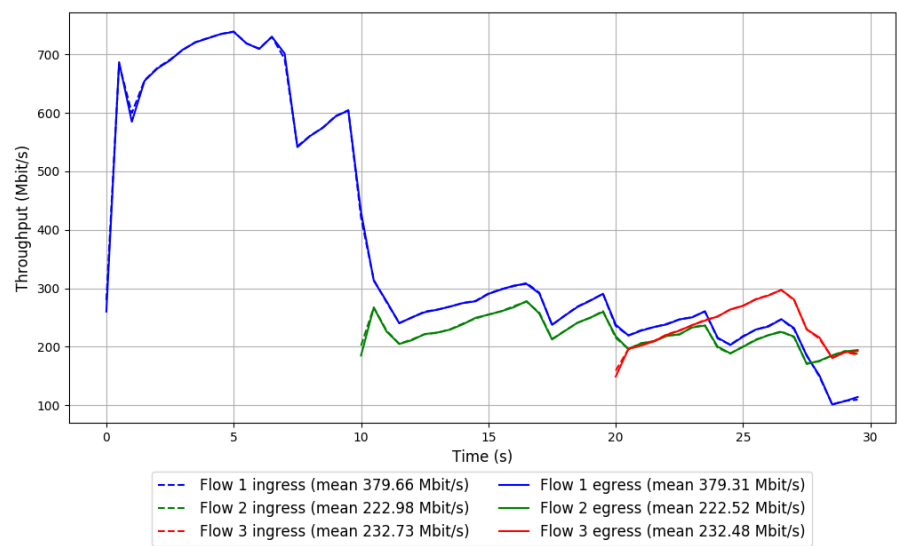
-- Flow 3:

Average throughput: 232.48 Mbit/s

95th percentile per-packet one-way delay: 17.757 ms

Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-27 09:30:52

End at: 2018-01-27 09:31:22

Local clock offset: -4.148 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.88 Mbit/s

95th percentile per-packet one-way delay: 13.759 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 252.08 Mbit/s

95th percentile per-packet one-way delay: 13.788 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 146.15 Mbit/s

95th percentile per-packet one-way delay: 13.583 ms

Loss rate: 0.11%

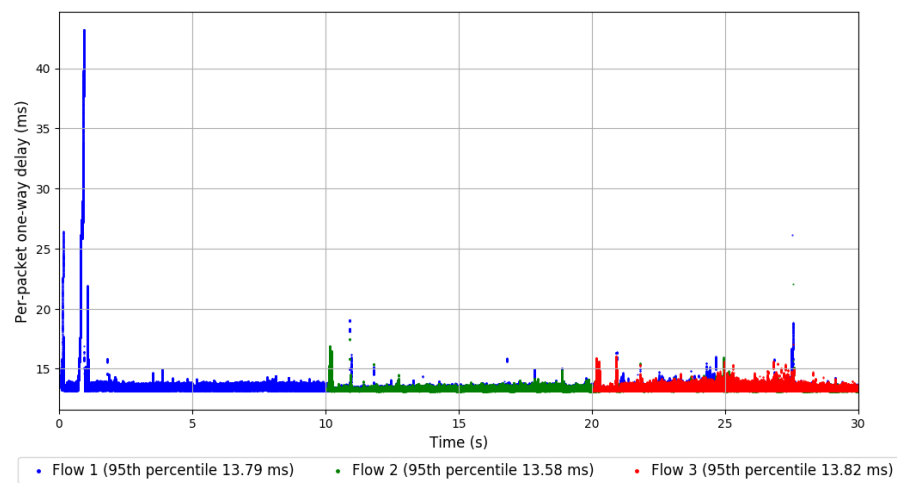
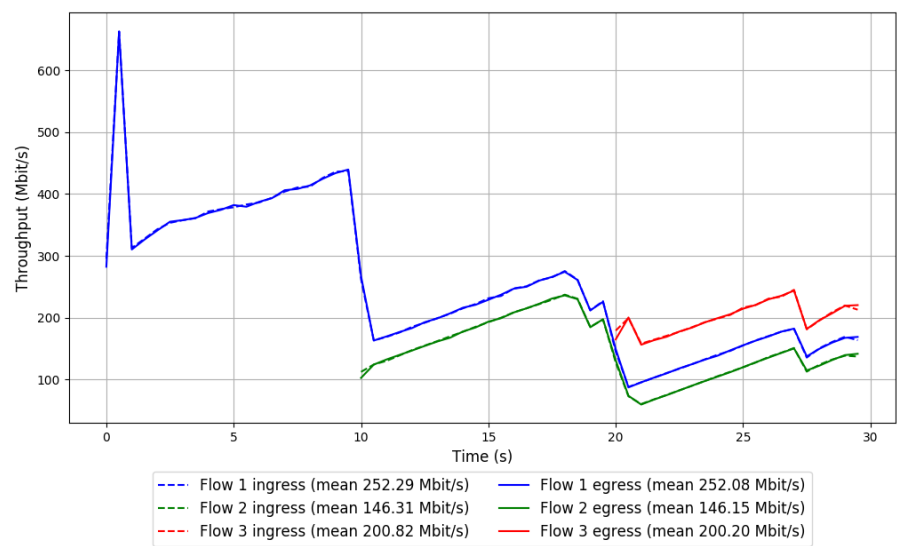
-- Flow 3:

Average throughput: 200.20 Mbit/s

95th percentile per-packet one-way delay: 13.816 ms

Loss rate: 0.30%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-27 10:21:30

End at: 2018-01-27 10:22:00

Local clock offset: -2.621 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 517.44 Mbit/s

95th percentile per-packet one-way delay: 15.066 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 344.80 Mbit/s

95th percentile per-packet one-way delay: 15.151 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 169.91 Mbit/s

95th percentile per-packet one-way delay: 14.913 ms

Loss rate: 0.12%

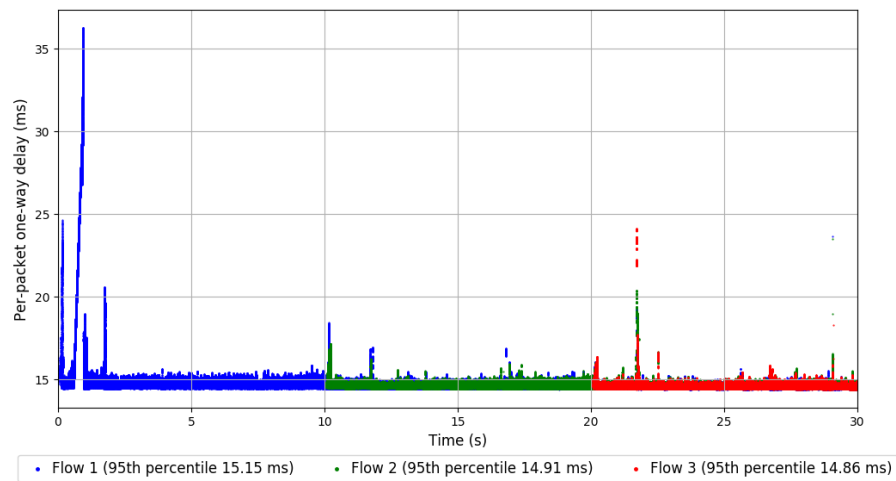
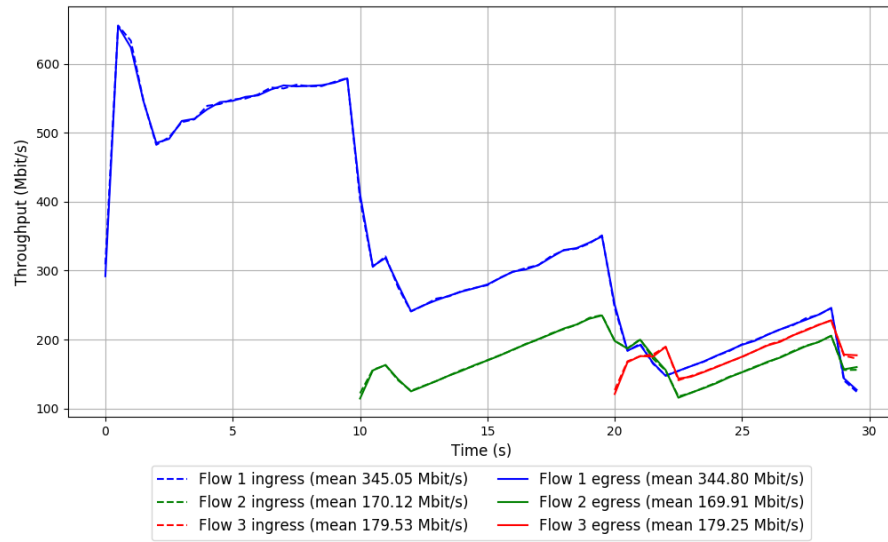
-- Flow 3:

Average throughput: 179.25 Mbit/s

95th percentile per-packet one-way delay: 14.857 ms

Loss rate: 0.16%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-27 11:12:12

End at: 2018-01-27 11:12:42

Local clock offset: 1.92 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 552.54 Mbit/s

95th percentile per-packet one-way delay: 20.272 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 344.22 Mbit/s

95th percentile per-packet one-way delay: 20.345 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 213.19 Mbit/s

95th percentile per-packet one-way delay: 20.252 ms

Loss rate: 0.08%

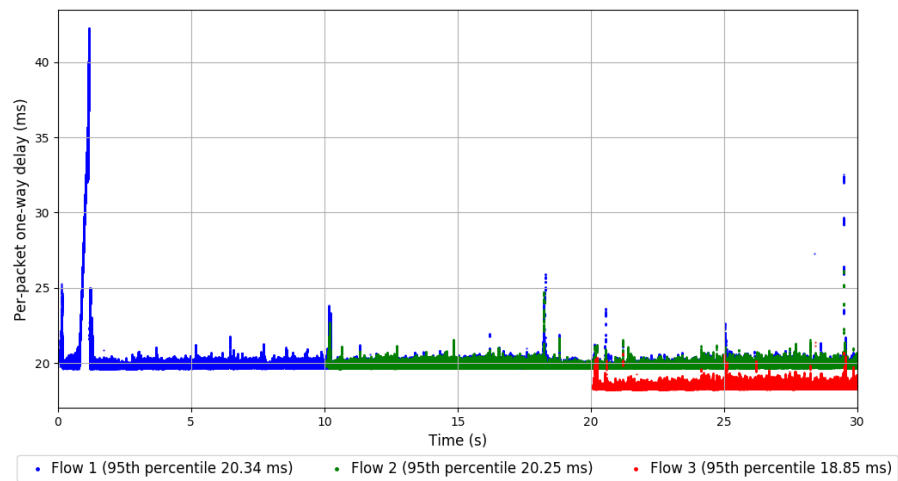
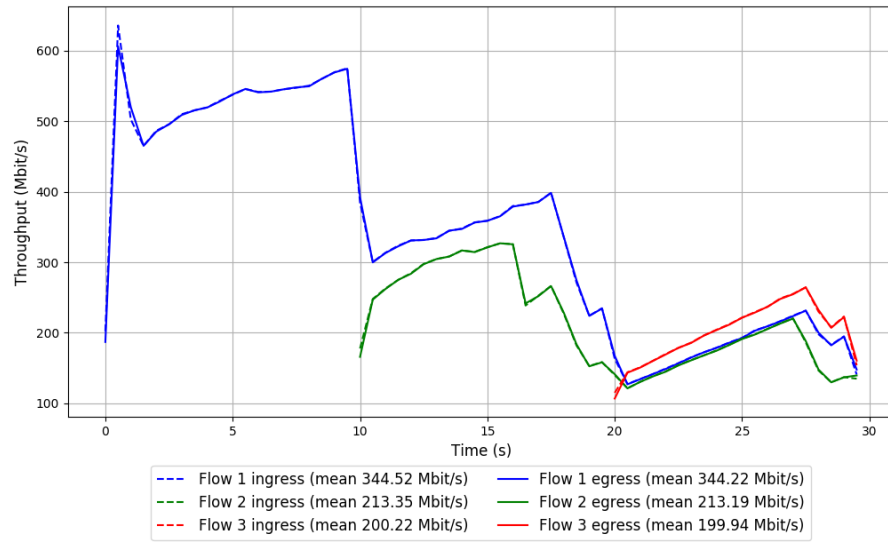
-- Flow 3:

Average throughput: 199.94 Mbit/s

95th percentile per-packet one-way delay: 18.854 ms

Loss rate: 0.14%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-27 12:02:57

End at: 2018-01-27 12:03:27

Local clock offset: 3.375 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.67 Mbit/s

95th percentile per-packet one-way delay: 20.190 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 318.06 Mbit/s

95th percentile per-packet one-way delay: 20.240 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 205.16 Mbit/s

95th percentile per-packet one-way delay: 18.701 ms

Loss rate: 0.02%

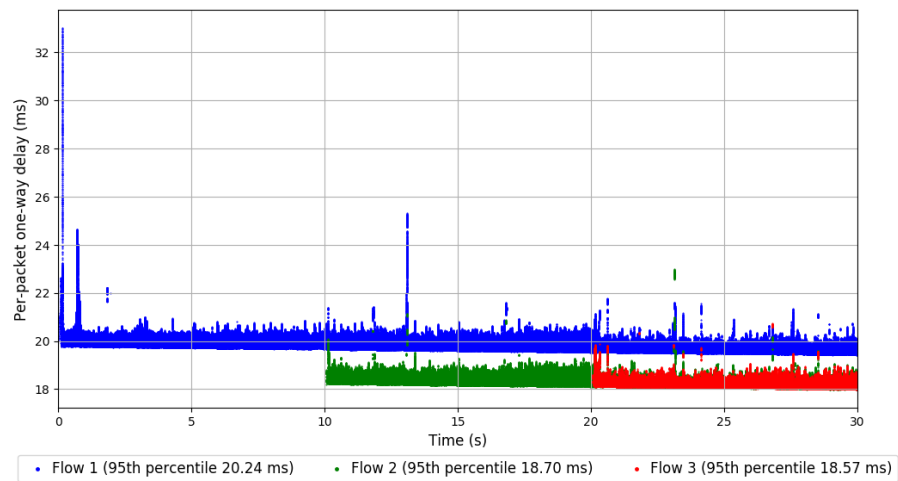
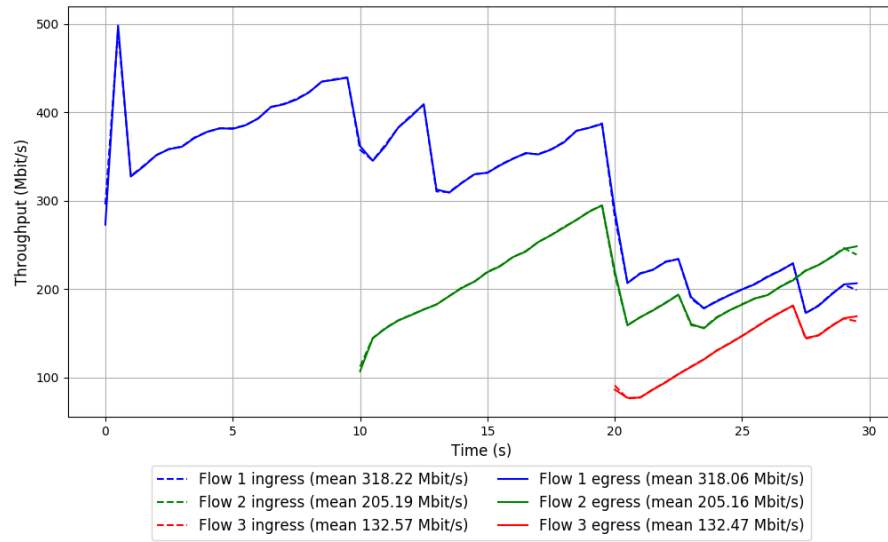
-- Flow 3:

Average throughput: 132.47 Mbit/s

95th percentile per-packet one-way delay: 18.565 ms

Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-27 12:53:37

End at: 2018-01-27 12:54:07

Local clock offset: -6.347 ms

Below is generated by plot.py at 2018-01-27 19:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.54 Mbit/s

95th percentile per-packet one-way delay: 11.441 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 324.46 Mbit/s

95th percentile per-packet one-way delay: 11.490 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 167.36 Mbit/s

95th percentile per-packet one-way delay: 11.323 ms

Loss rate: 0.06%

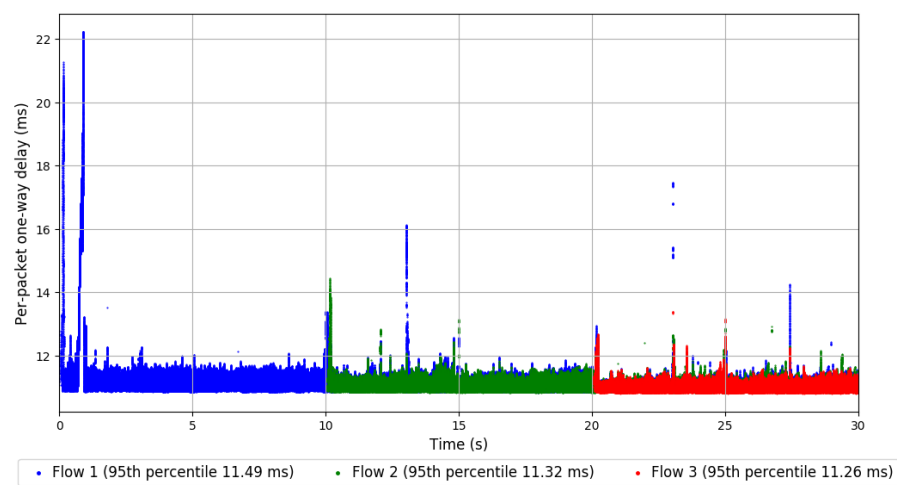
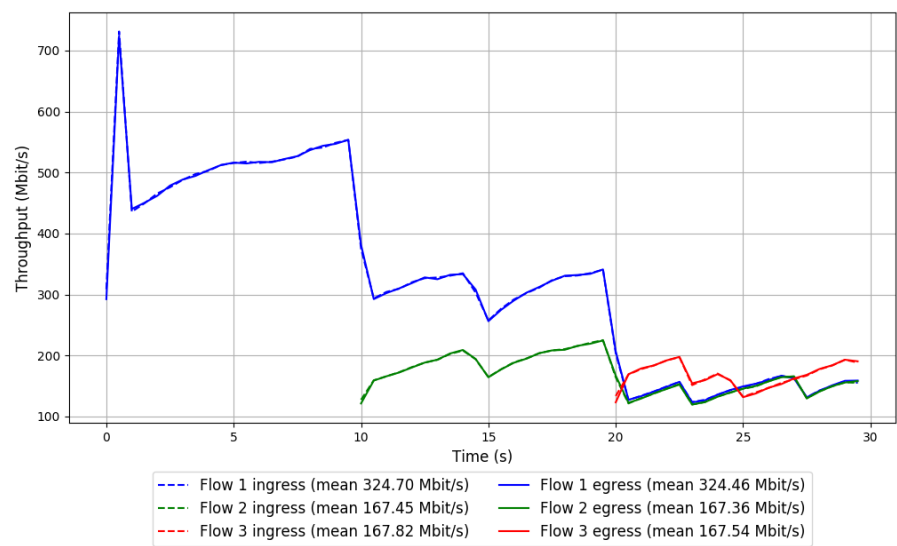
-- Flow 3:

Average throughput: 167.54 Mbit/s

95th percentile per-packet one-way delay: 11.262 ms

Loss rate: 0.16%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-27 13:44:15

End at: 2018-01-27 13:44:45

Local clock offset: -2.864 ms

Below is generated by plot.py at 2018-01-27 19:17:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.94 Mbit/s

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

Loss rate: 0.05%

-- Flow 1:

Average throughput: 321.87 Mbit/s

95th percentile per-packet one-way delay: 15.240 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 149.11 Mbit/s

95th percentile per-packet one-way delay: 15.220 ms

Loss rate: 0.08%

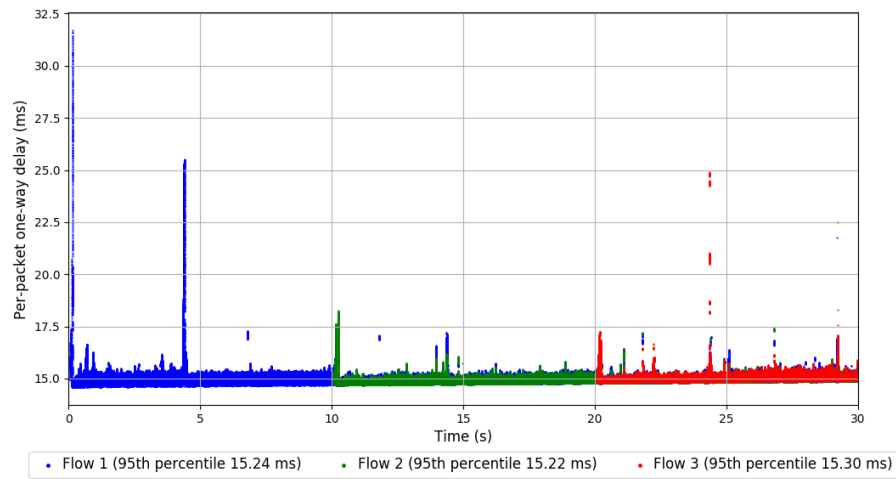
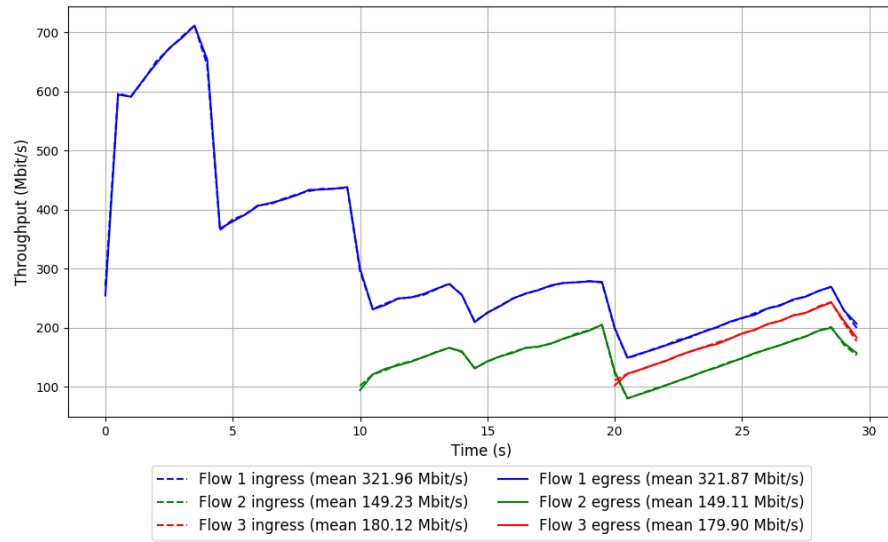
-- Flow 3:

Average throughput: 179.90 Mbit/s

95th percentile per-packet one-way delay: 15.302 ms

Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-27 14:34:32

End at: 2018-01-27 14:35:02

Local clock offset: 3.124 ms

Below is generated by plot.py at 2018-01-27 19:20:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 566.11 Mbit/s

95th percentile per-packet one-way delay: 20.920 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 339.15 Mbit/s

95th percentile per-packet one-way delay: 20.949 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 241.19 Mbit/s

95th percentile per-packet one-way delay: 20.869 ms

Loss rate: 0.05%

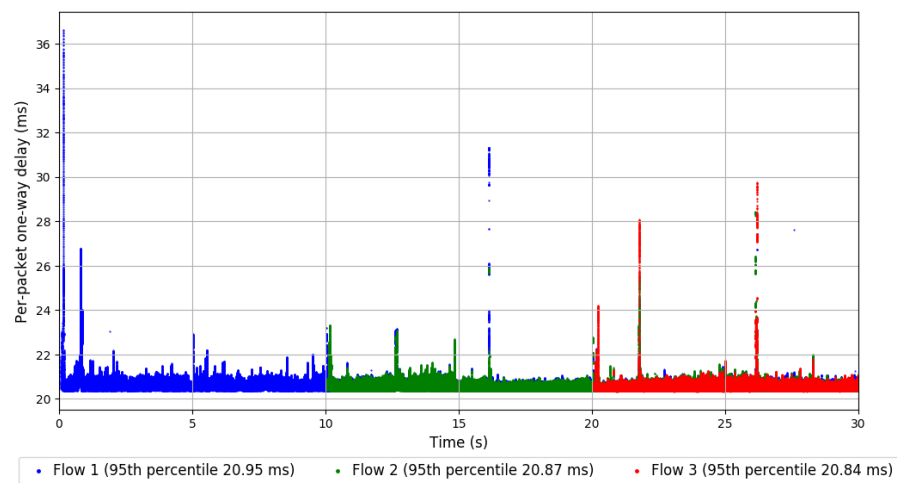
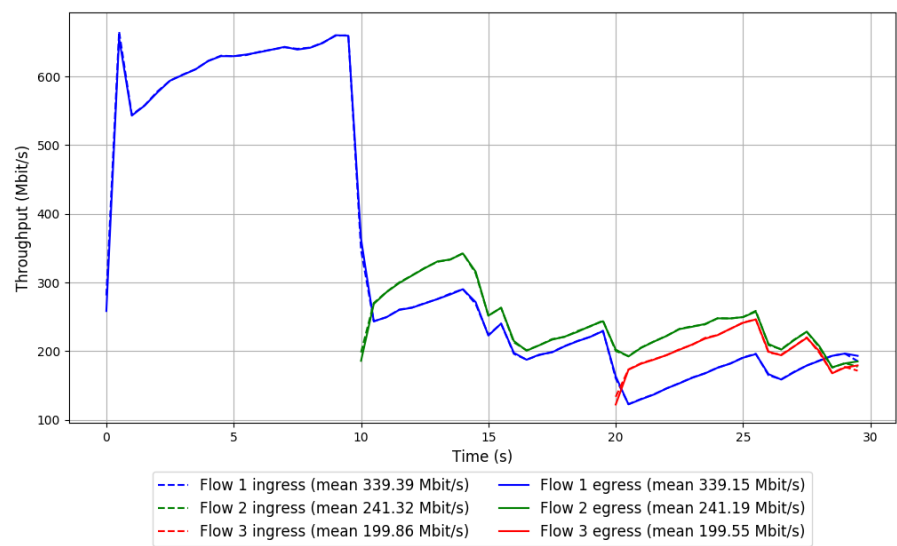
-- Flow 3:

Average throughput: 199.55 Mbit/s

95th percentile per-packet one-way delay: 20.837 ms

Loss rate: 0.15%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-27 15:25:15

End at: 2018-01-27 15:25:45

Local clock offset: 1.226 ms

Below is generated by plot.py at 2018-01-27 19:20:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 496.81 Mbit/s

95th percentile per-packet one-way delay: 18.594 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 290.35 Mbit/s

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

Loss rate: 0.10%

-- Flow 2:

Average throughput: 234.71 Mbit/s

95th percentile per-packet one-way delay: 17.406 ms

Loss rate: 0.12%

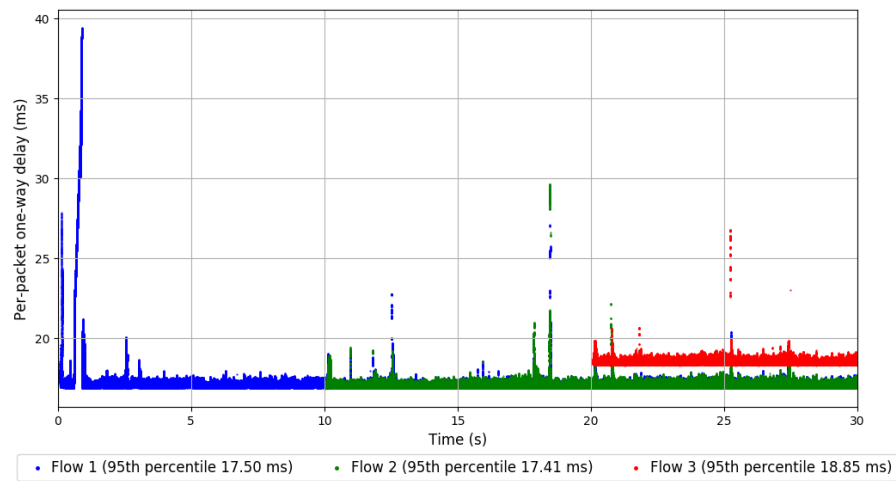
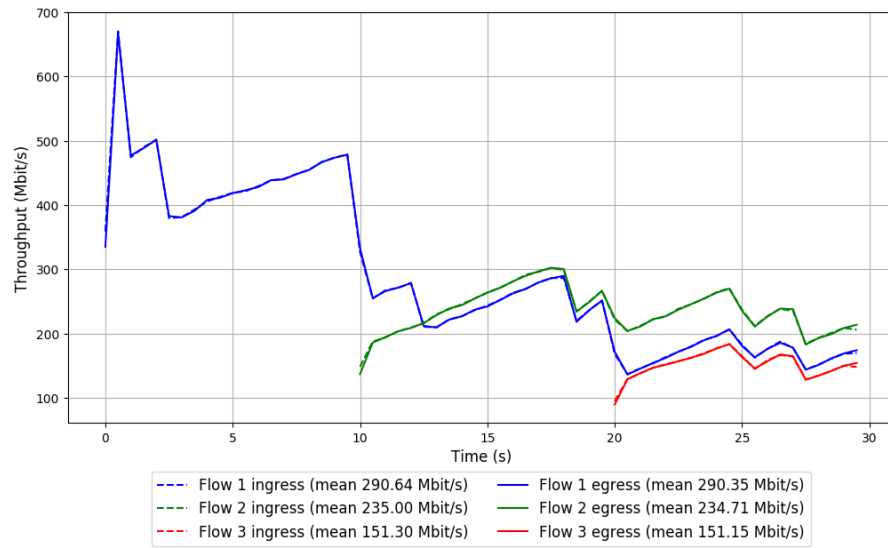
-- Flow 3:

Average throughput: 151.15 Mbit/s

95th percentile per-packet one-way delay: 18.848 ms

Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-27 16:15:56

End at: 2018-01-27 16:16:26

Local clock offset: -4.47 ms

Below is generated by plot.py at 2018-01-27 19:20:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 594.04 Mbit/s

95th percentile per-packet one-way delay: 12.574 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 358.15 Mbit/s

95th percentile per-packet one-way delay: 11.494 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 271.82 Mbit/s

95th percentile per-packet one-way delay: 11.494 ms

Loss rate: 0.04%

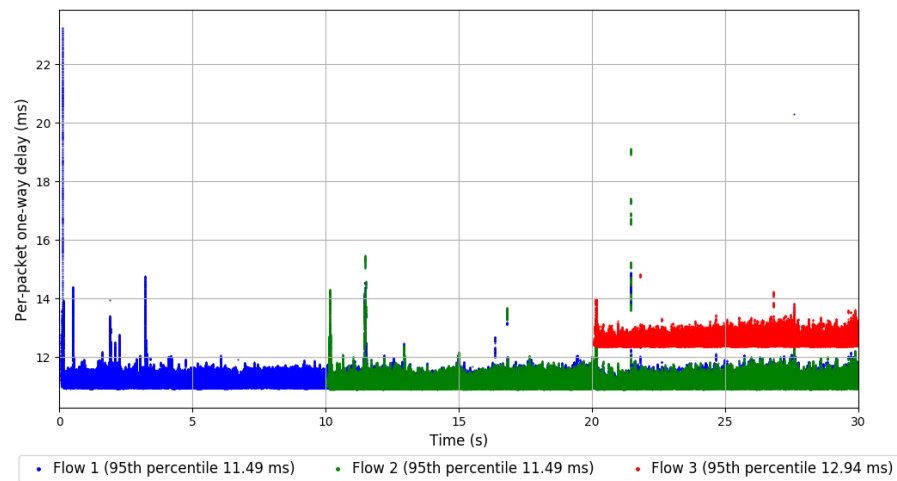
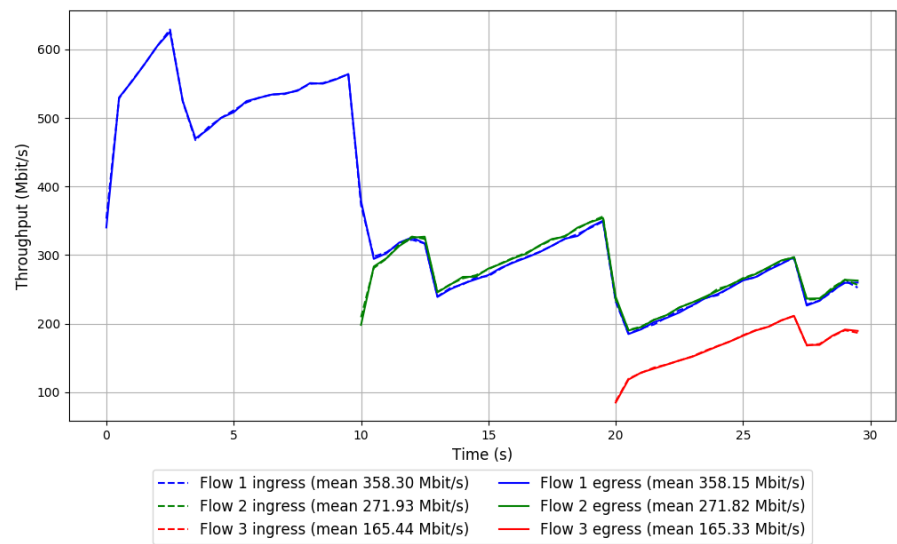
-- Flow 3:

Average throughput: 165.33 Mbit/s

95th percentile per-packet one-way delay: 12.940 ms

Loss rate: 0.07%

Run 10: Report of TCP Cubic — Data Link

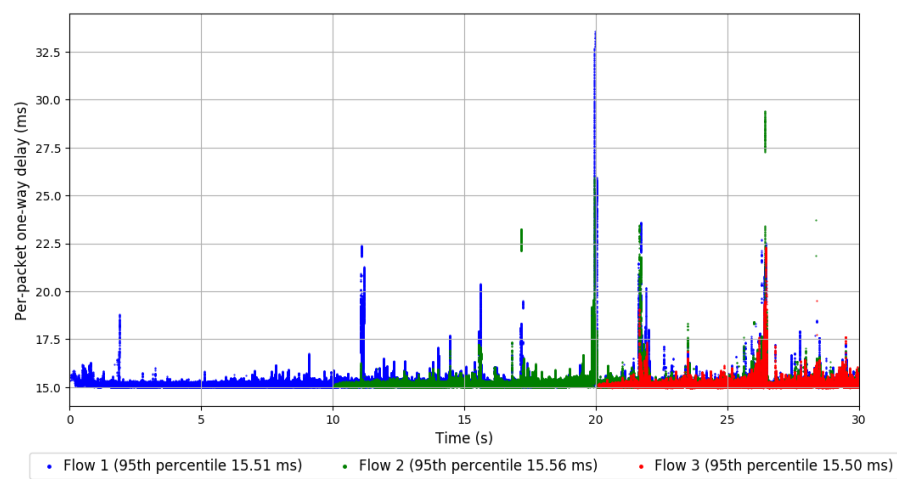
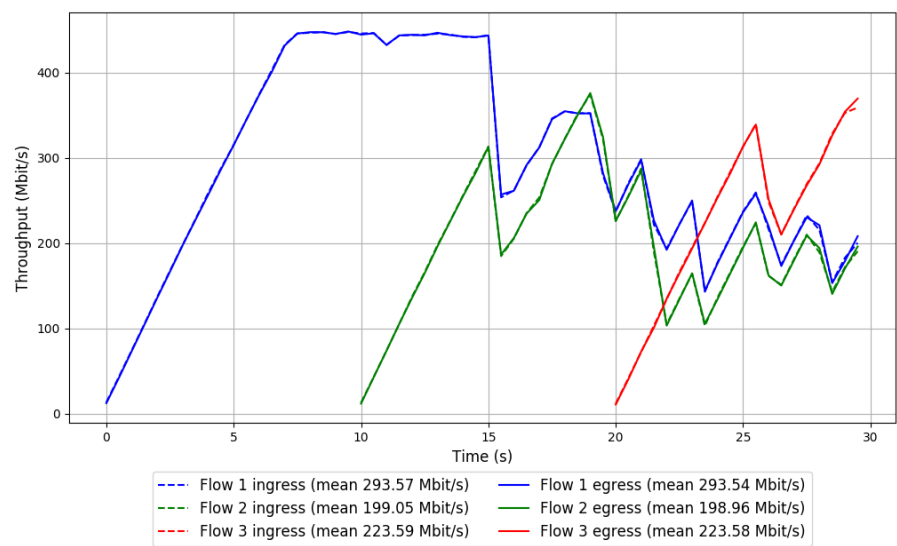


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-27 09:05:12
End at: 2018-01-27 09:05:42
Local clock offset: -2.28 ms

# Below is generated by plot.py at 2018-01-27 19:20:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.17 Mbit/s
95th percentile per-packet one-way delay: 15.523 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 293.54 Mbit/s
95th percentile per-packet one-way delay: 15.511 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 198.96 Mbit/s
95th percentile per-packet one-way delay: 15.564 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 223.58 Mbit/s
95th percentile per-packet one-way delay: 15.503 ms
Loss rate: 0.01%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-27 09:55:50

End at: 2018-01-27 09:56:20

Local clock offset: -3.309 ms

Below is generated by plot.py at 2018-01-27 19:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 532.40 Mbit/s

95th percentile per-packet one-way delay: 14.736 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 303.04 Mbit/s

95th percentile per-packet one-way delay: 14.892 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 259.06 Mbit/s

95th percentile per-packet one-way delay: 13.412 ms

Loss rate: 0.01%

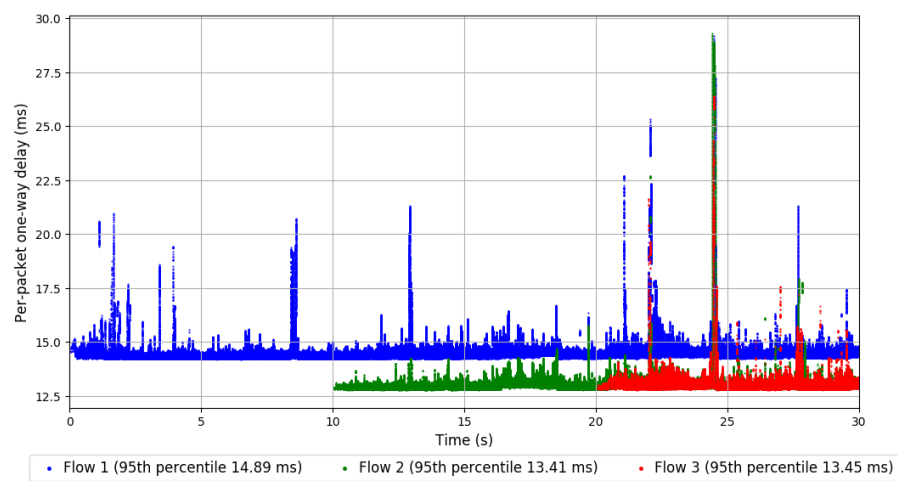
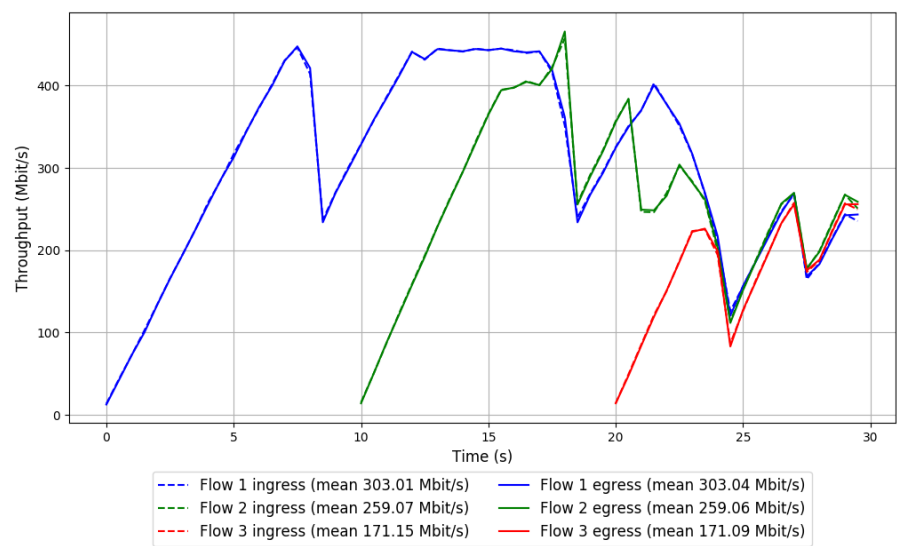
-- Flow 3:

Average throughput: 171.09 Mbit/s

95th percentile per-packet one-way delay: 13.454 ms

Loss rate: 0.04%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-27 10:46:30

End at: 2018-01-27 10:47:00

Local clock offset: -4.003 ms

Below is generated by plot.py at 2018-01-27 19:24:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 532.86 Mbit/s

95th percentile per-packet one-way delay: 13.863 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 288.76 Mbit/s

95th percentile per-packet one-way delay: 13.937 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 279.39 Mbit/s

95th percentile per-packet one-way delay: 12.728 ms

Loss rate: 0.01%

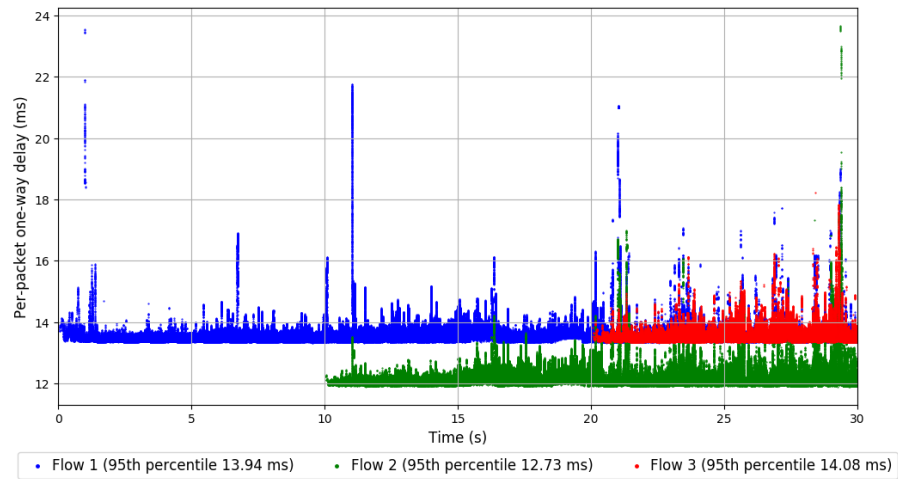
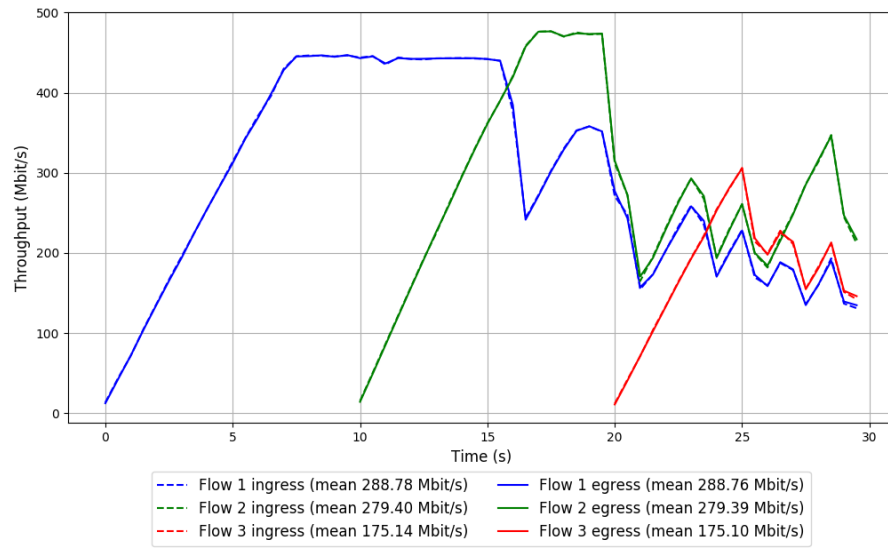
-- Flow 3:

Average throughput: 175.10 Mbit/s

95th percentile per-packet one-way delay: 14.076 ms

Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-27 11:37:14

End at: 2018-01-27 11:37:44

Local clock offset: 3.077 ms

Below is generated by plot.py at 2018-01-27 19:24:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.99 Mbit/s

95th percentile per-packet one-way delay: 21.033 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 287.39 Mbit/s

95th percentile per-packet one-way delay: 21.011 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 237.14 Mbit/s

95th percentile per-packet one-way delay: 21.007 ms

Loss rate: 0.01%

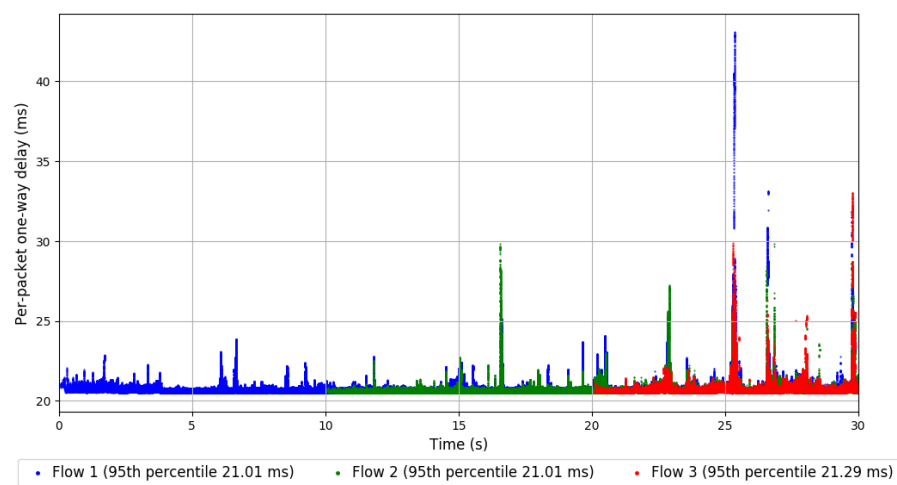
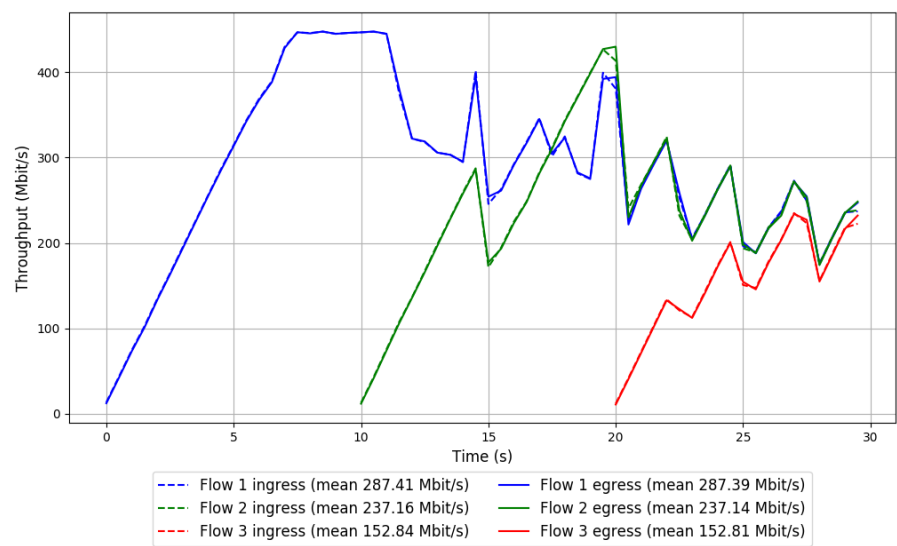
-- Flow 3:

Average throughput: 152.81 Mbit/s

95th percentile per-packet one-way delay: 21.294 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-27 12:27:58

End at: 2018-01-27 12:28:28

Local clock offset: -4.479 ms

Below is generated by plot.py at 2018-01-27 19:24:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 482.78 Mbit/s

95th percentile per-packet one-way delay: 13.263 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 275.28 Mbit/s

95th percentile per-packet one-way delay: 13.330 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 224.45 Mbit/s

95th percentile per-packet one-way delay: 13.070 ms

Loss rate: 0.01%

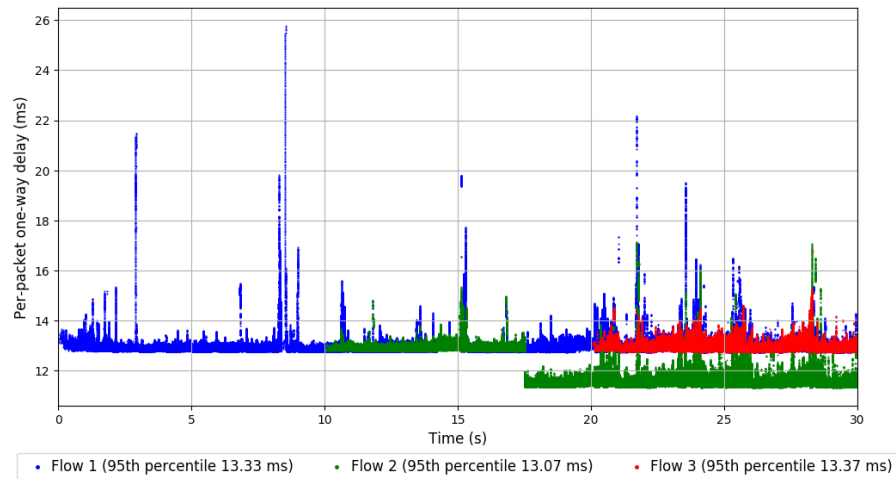
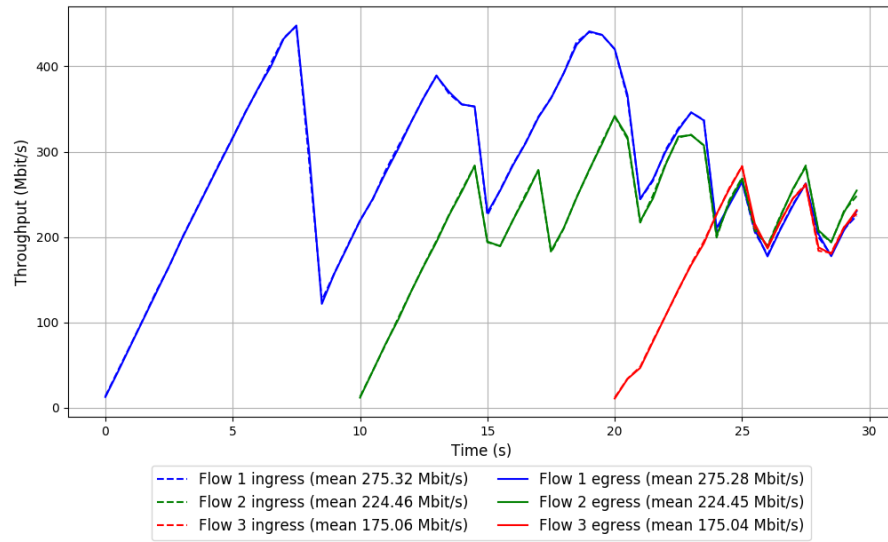
-- Flow 3:

Average throughput: 175.04 Mbit/s

95th percentile per-packet one-way delay: 13.367 ms

Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-27 13:18:37

End at: 2018-01-27 13:19:07

Local clock offset: -5.072 ms

Below is generated by plot.py at 2018-01-27 19:26:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 518.09 Mbit/s

95th percentile per-packet one-way delay: 13.233 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 303.42 Mbit/s

95th percentile per-packet one-way delay: 13.250 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 245.20 Mbit/s

95th percentile per-packet one-way delay: 13.203 ms

Loss rate: 0.02%

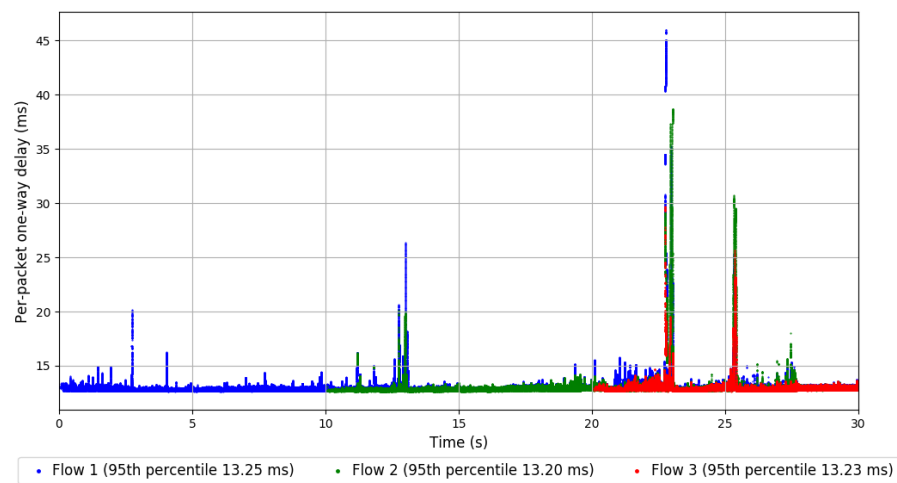
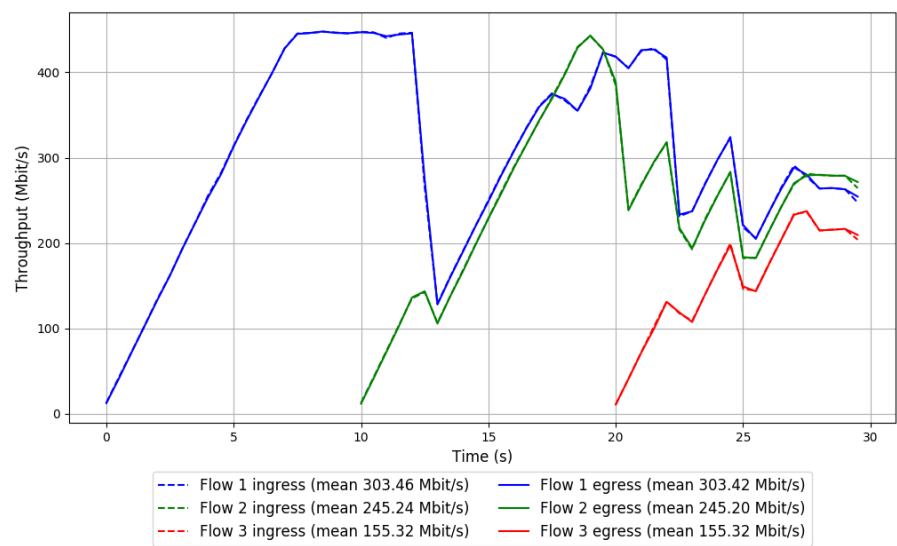
-- Flow 3:

Average throughput: 155.32 Mbit/s

95th percentile per-packet one-way delay: 13.232 ms

Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-27 14:09:18

End at: 2018-01-27 14:09:48

Local clock offset: 2.927 ms

Below is generated by plot.py at 2018-01-27 19:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 549.15 Mbit/s

95th percentile per-packet one-way delay: 20.971 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 322.25 Mbit/s

95th percentile per-packet one-way delay: 20.913 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 263.19 Mbit/s

95th percentile per-packet one-way delay: 21.005 ms

Loss rate: 0.01%

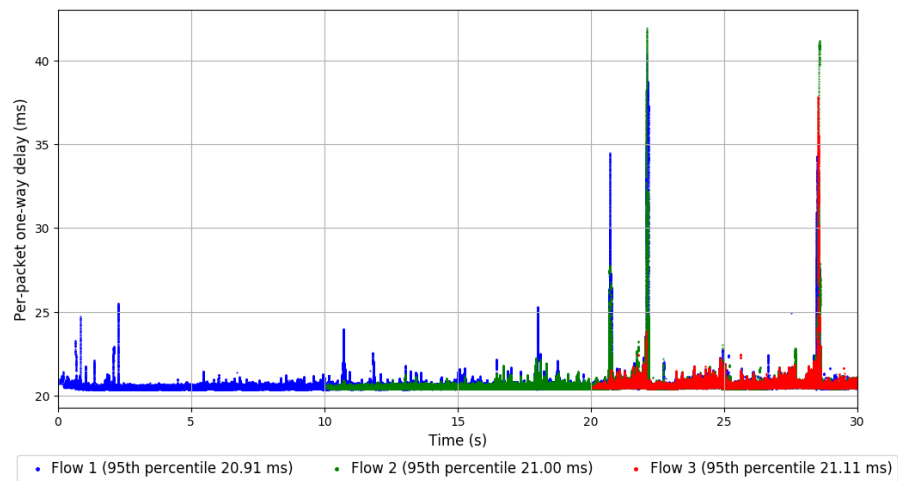
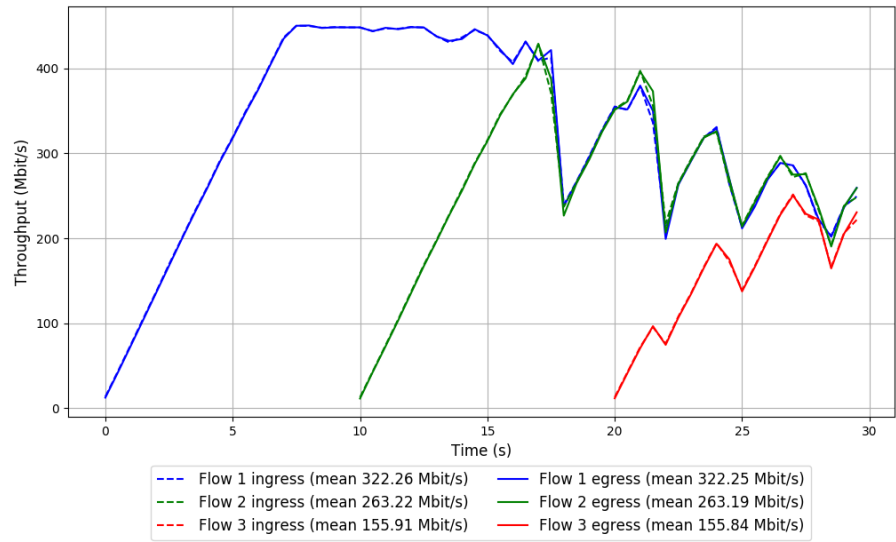
-- Flow 3:

Average throughput: 155.84 Mbit/s

95th percentile per-packet one-way delay: 21.113 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-27 14:59:39

End at: 2018-01-27 15:00:09

Local clock offset: 2.668 ms

Below is generated by plot.py at 2018-01-27 19:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.80 Mbit/s

95th percentile per-packet one-way delay: 19.745 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 265.90 Mbit/s

95th percentile per-packet one-way delay: 18.733 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 205.18 Mbit/s

95th percentile per-packet one-way delay: 19.972 ms

Loss rate: 0.02%

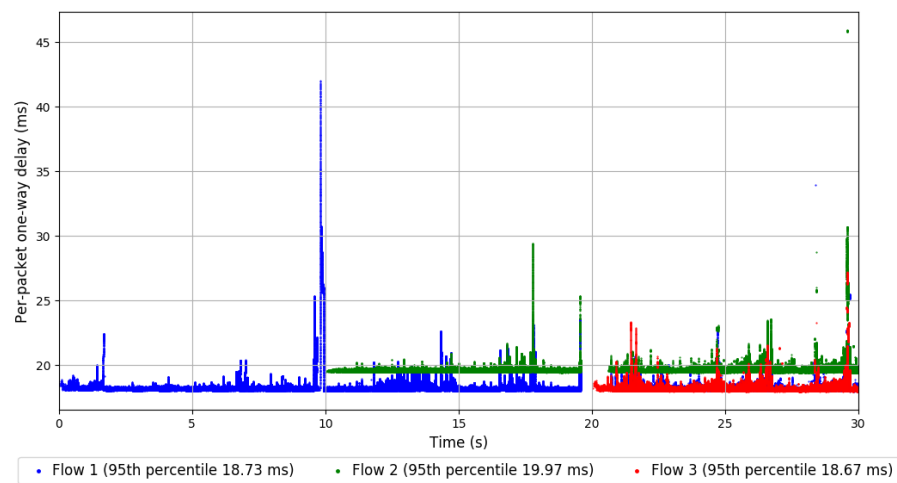
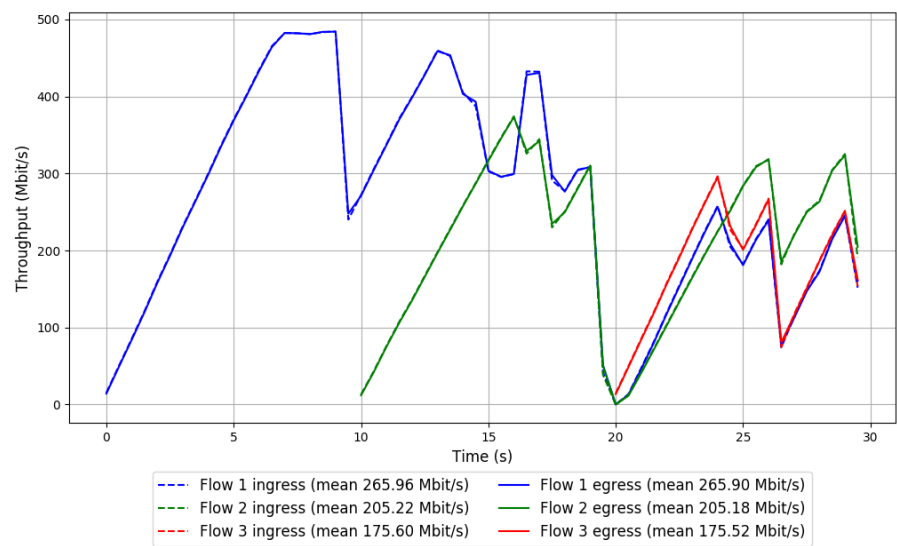
-- Flow 3:

Average throughput: 175.52 Mbit/s

95th percentile per-packet one-way delay: 18.673 ms

Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-27 15:50:16

End at: 2018-01-27 15:50:46

Local clock offset: -4.837 ms

Below is generated by plot.py at 2018-01-27 19:28:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 538.70 Mbit/s

95th percentile per-packet one-way delay: 12.316 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 315.84 Mbit/s

95th percentile per-packet one-way delay: 11.761 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 252.34 Mbit/s

95th percentile per-packet one-way delay: 12.534 ms

Loss rate: 0.01%

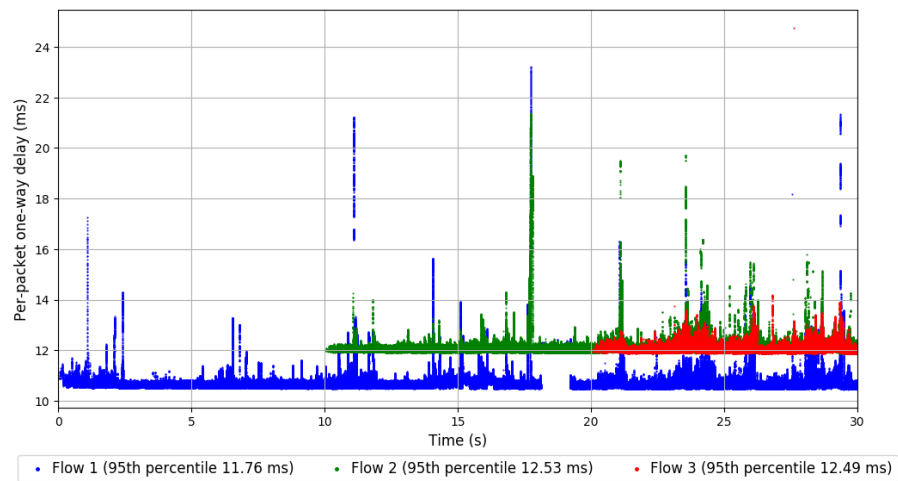
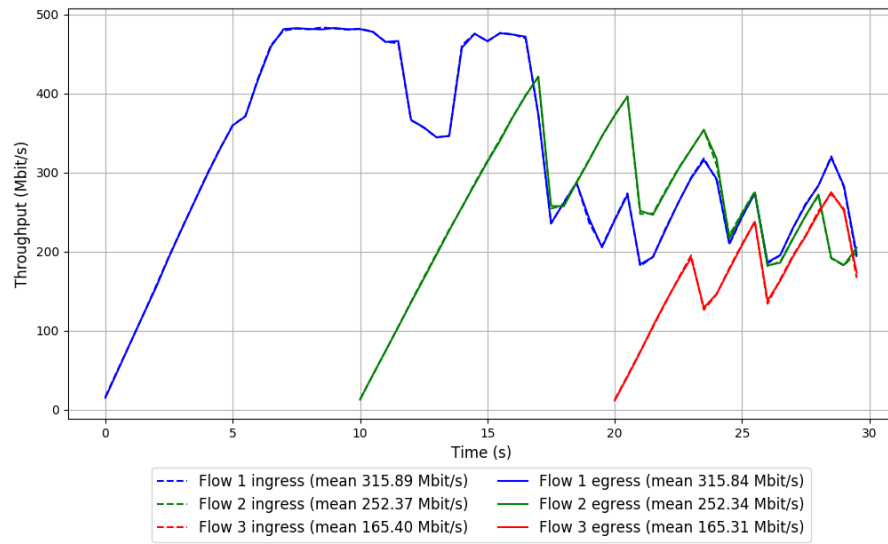
-- Flow 3:

Average throughput: 165.31 Mbit/s

95th percentile per-packet one-way delay: 12.495 ms

Loss rate: 0.06%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-27 16:41:00

End at: 2018-01-27 16:41:30

Local clock offset: -4.249 ms

Below is generated by plot.py at 2018-01-27 19:28:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.62 Mbit/s

95th percentile per-packet one-way delay: 12.704 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 285.01 Mbit/s

95th percentile per-packet one-way delay: 11.458 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 246.68 Mbit/s

95th percentile per-packet one-way delay: 12.867 ms

Loss rate: 0.01%

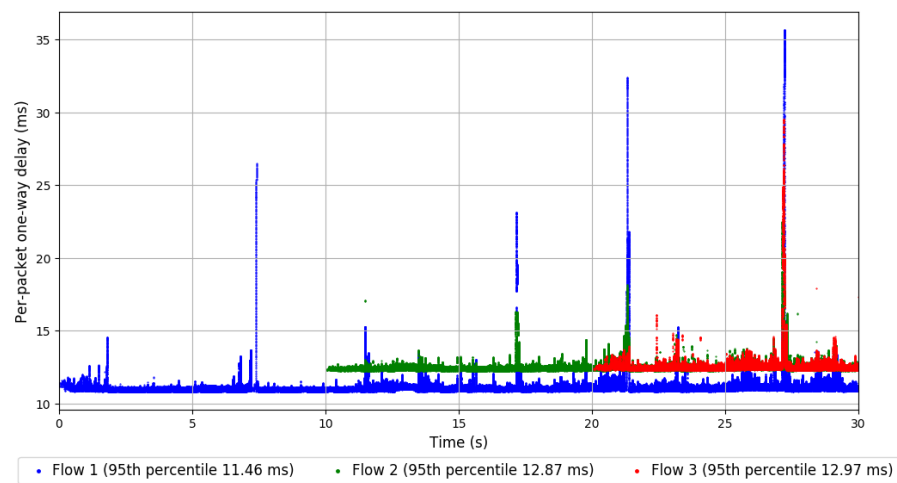
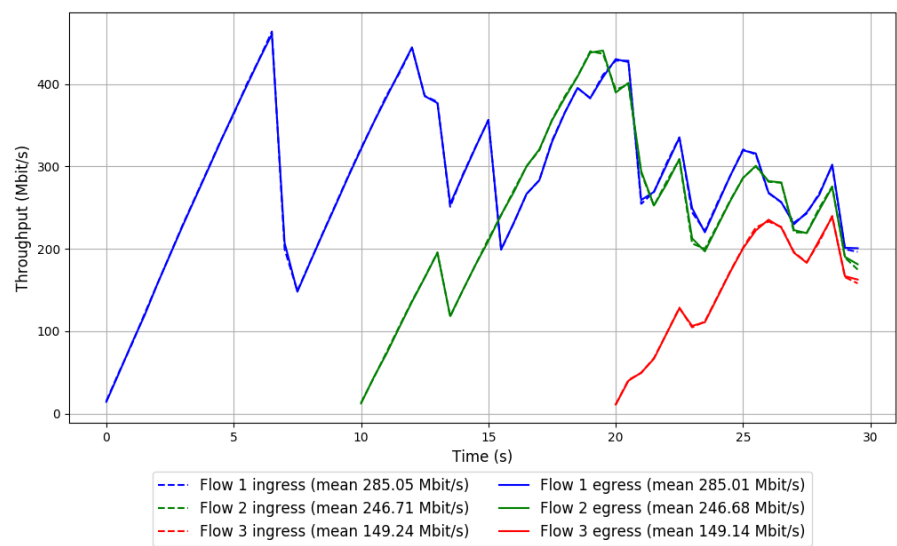
-- Flow 3:

Average throughput: 149.14 Mbit/s

95th percentile per-packet one-way delay: 12.975 ms

Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

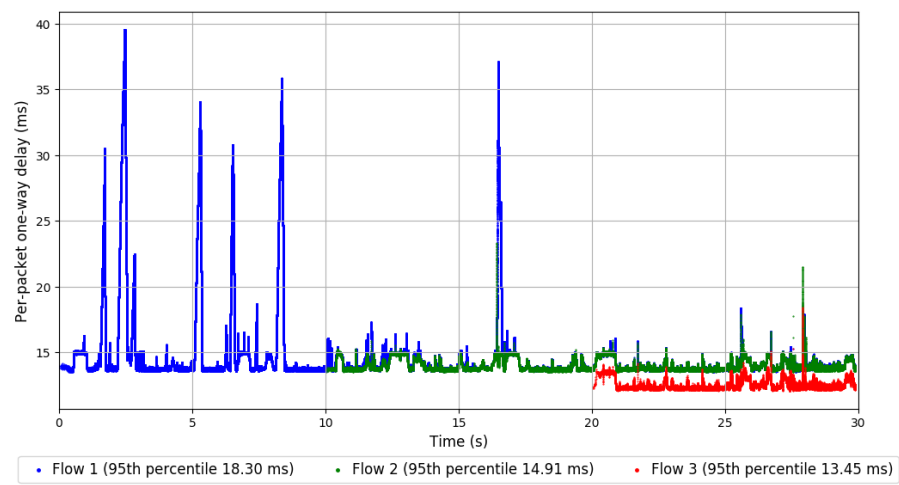
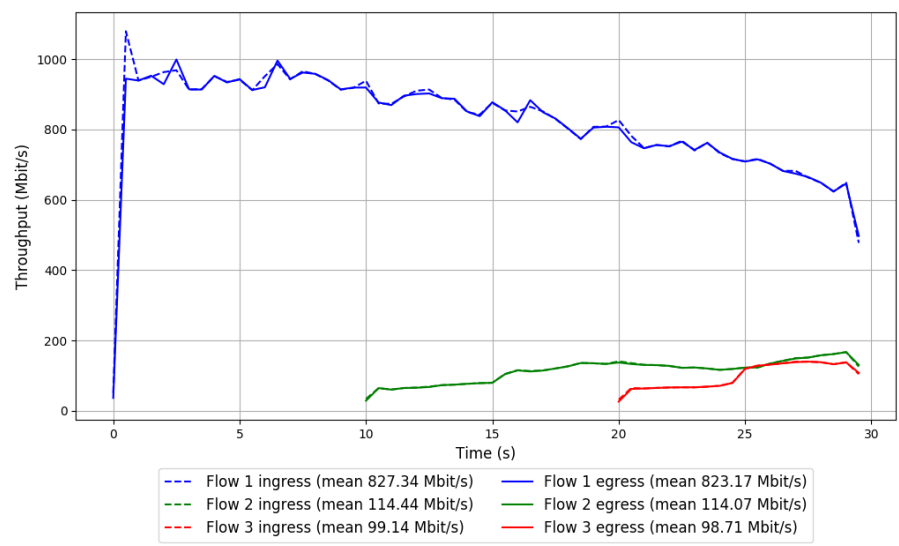


```
Run 1: Statistics of PCC

Start at: 2018-01-27 09:23:56
End at: 2018-01-27 09:24:26
Local clock offset: -3.773 ms

# Below is generated by plot.py at 2018-01-27 19:36:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 931.59 Mbit/s
95th percentile per-packet one-way delay: 17.003 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 823.17 Mbit/s
95th percentile per-packet one-way delay: 18.299 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 114.07 Mbit/s
95th percentile per-packet one-way delay: 14.909 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 13.452 ms
Loss rate: 0.43%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-27 10:14:35

End at: 2018-01-27 10:15:05

Local clock offset: -2.568 ms

Below is generated by plot.py at 2018-01-27 19:36:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 922.84 Mbit/s

95th percentile per-packet one-way delay: 16.362 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 768.75 Mbit/s

95th percentile per-packet one-way delay: 16.492 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 192.51 Mbit/s

95th percentile per-packet one-way delay: 16.156 ms

Loss rate: 0.26%

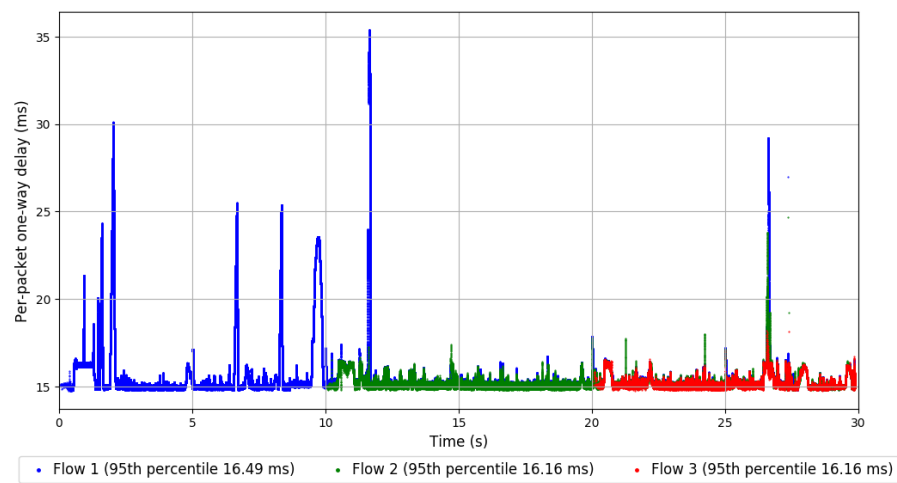
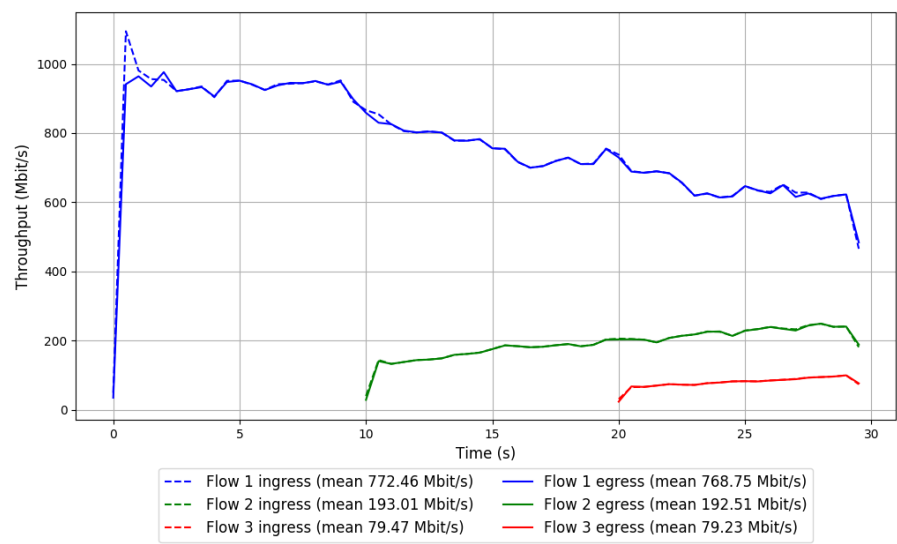
-- Flow 3:

Average throughput: 79.23 Mbit/s

95th percentile per-packet one-way delay: 16.165 ms

Loss rate: 0.31%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-27 11:05:18

End at: 2018-01-27 11:05:48

Local clock offset: 0.505 ms

Below is generated by plot.py at 2018-01-27 19:36:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 914.30 Mbit/s

95th percentile per-packet one-way delay: 26.832 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 753.76 Mbit/s

95th percentile per-packet one-way delay: 29.195 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 198.19 Mbit/s

95th percentile per-packet one-way delay: 19.916 ms

Loss rate: 0.47%

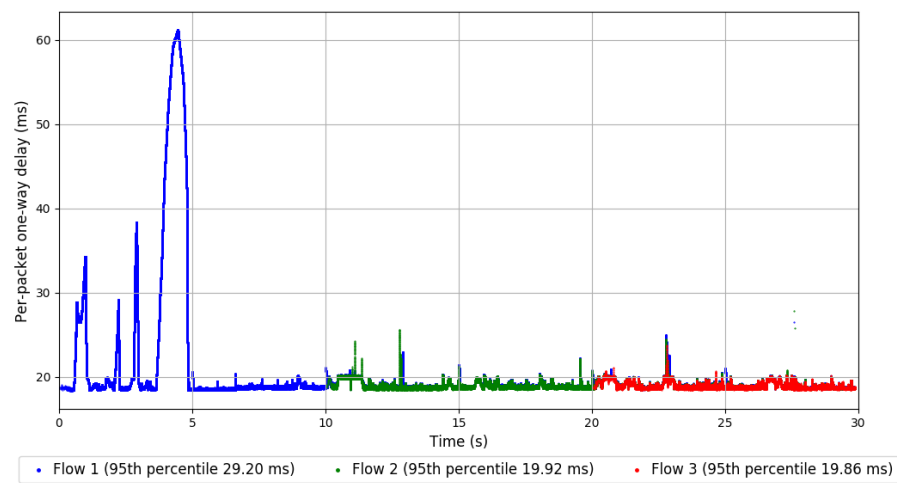
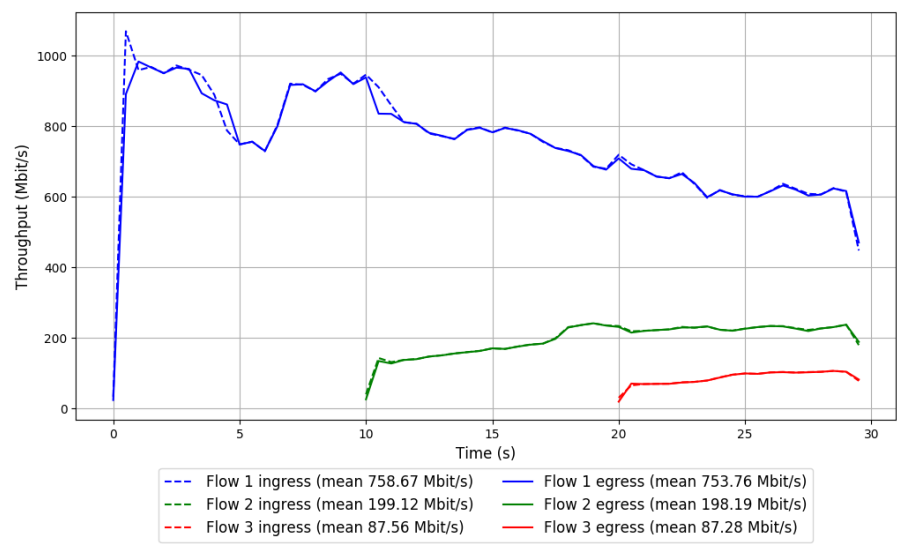
-- Flow 3:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 19.860 ms

Loss rate: 0.32%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-27 11:56:02

End at: 2018-01-27 11:56:32

Local clock offset: 3.125 ms

Below is generated by plot.py at 2018-01-27 19:39:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 923.80 Mbit/s

95th percentile per-packet one-way delay: 22.446 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 827.64 Mbit/s

95th percentile per-packet one-way delay: 22.476 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 109.56 Mbit/s

95th percentile per-packet one-way delay: 22.241 ms

Loss rate: 0.29%

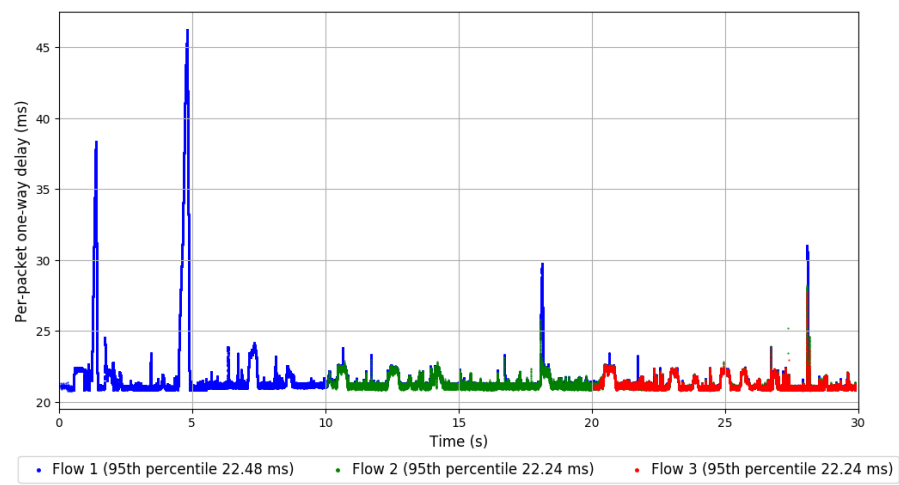
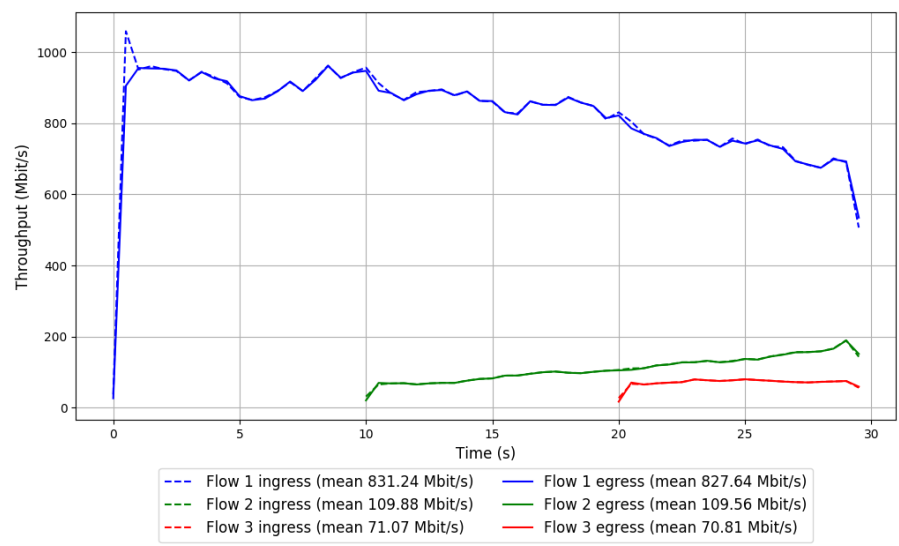
-- Flow 3:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 22.240 ms

Loss rate: 0.38%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-27 12:46:44

End at: 2018-01-27 12:47:14

Local clock offset: -5.897 ms

Below is generated by plot.py at 2018-01-27 19:39:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 918.74 Mbit/s

95th percentile per-packet one-way delay: 20.752 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 818.82 Mbit/s

95th percentile per-packet one-way delay: 22.380 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 113.42 Mbit/s

95th percentile per-packet one-way delay: 12.668 ms

Loss rate: 0.23%

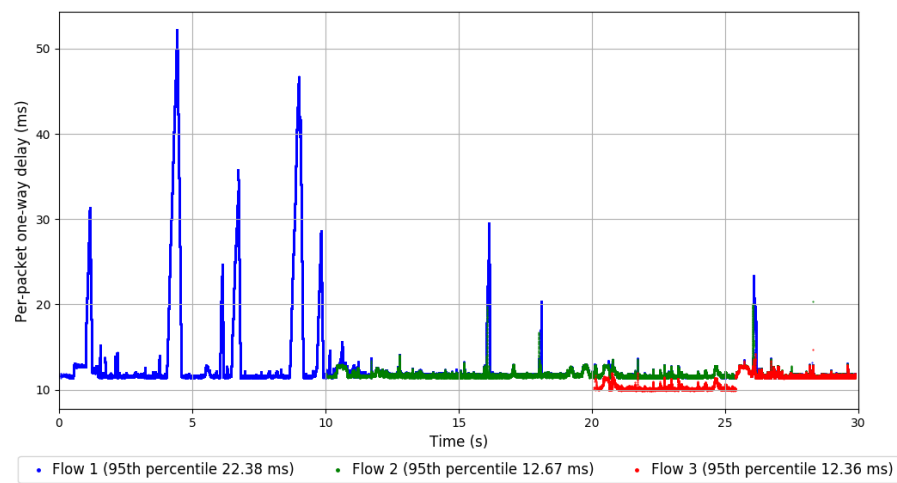
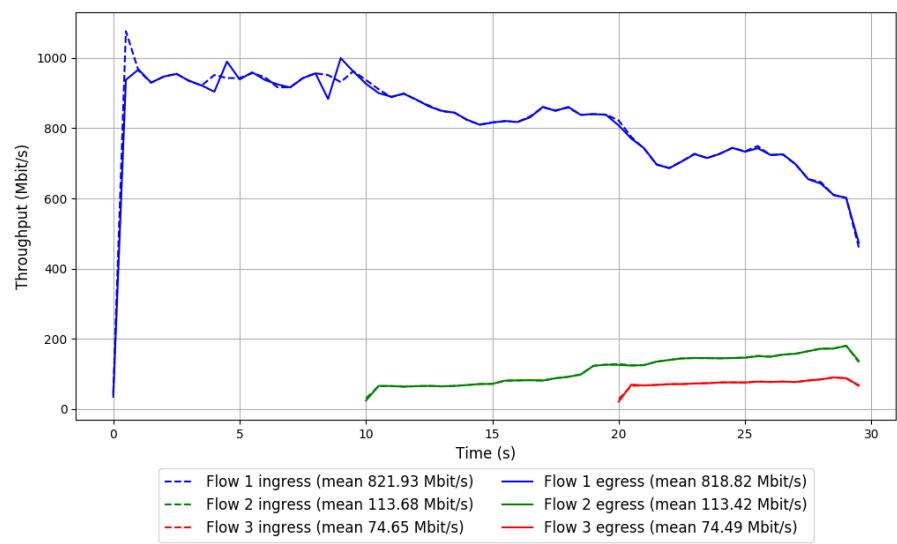
-- Flow 3:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 12.364 ms

Loss rate: 0.21%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-27 13:37:22

End at: 2018-01-27 13:37:52

Local clock offset: -3.079 ms

Below is generated by plot.py at 2018-01-27 19:41:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 913.21 Mbit/s

95th percentile per-packet one-way delay: 16.383 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 784.19 Mbit/s

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

Loss rate: 0.55%

-- Flow 2:

Average throughput: 113.85 Mbit/s

95th percentile per-packet one-way delay: 14.243 ms

Loss rate: 0.37%

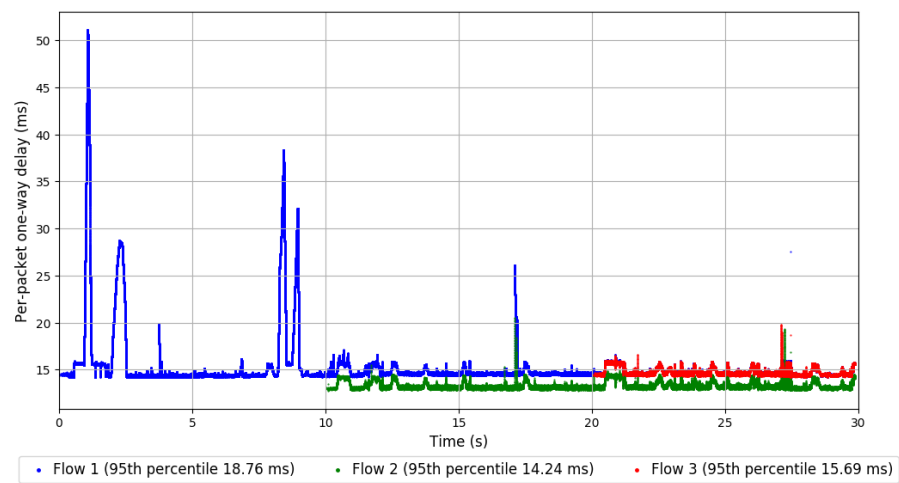
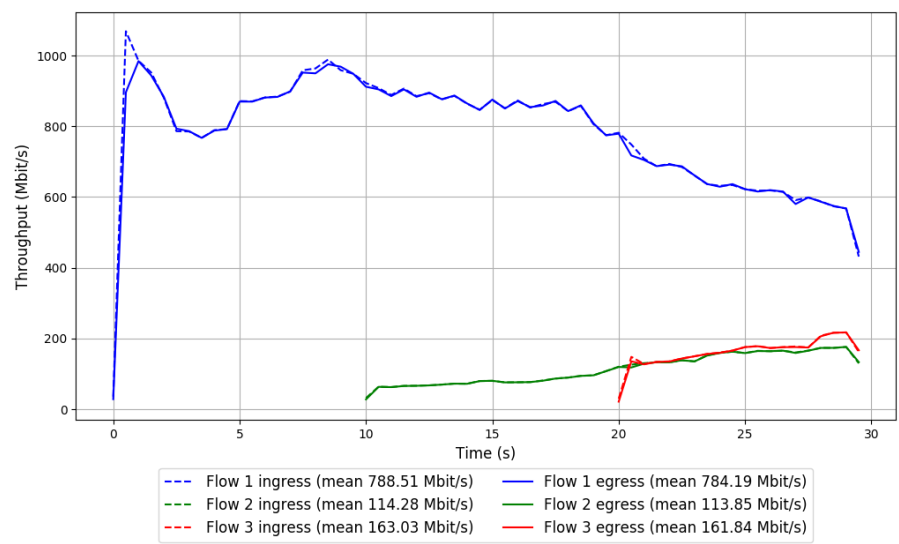
-- Flow 3:

Average throughput: 161.84 Mbit/s

95th percentile per-packet one-way delay: 15.693 ms

Loss rate: 0.73%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-27 14:27:39

End at: 2018-01-27 14:28:09

Local clock offset: 3.345 ms

Below is generated by plot.py at 2018-01-27 19:41:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 930.46 Mbit/s

95th percentile per-packet one-way delay: 22.000 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 768.08 Mbit/s

95th percentile per-packet one-way delay: 22.063 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 203.21 Mbit/s

95th percentile per-packet one-way delay: 21.876 ms

Loss rate: 0.42%

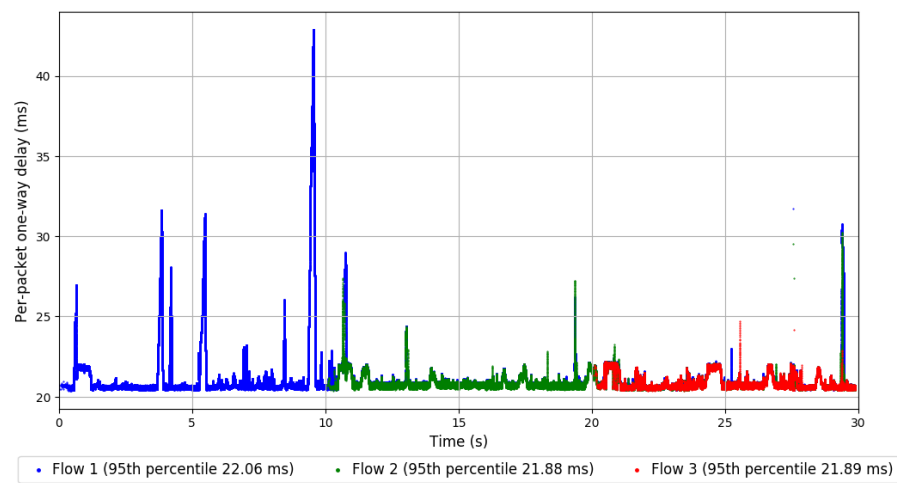
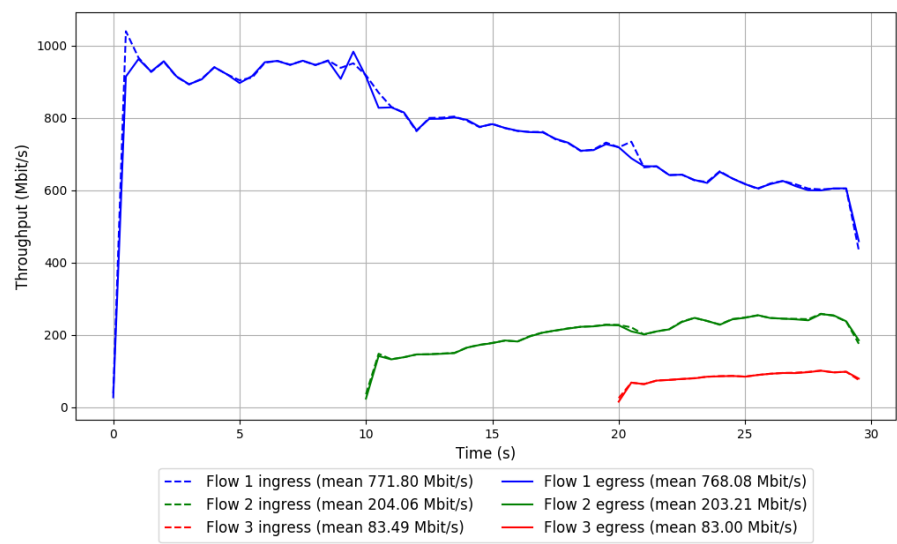
-- Flow 3:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 21.885 ms

Loss rate: 0.59%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-27 15:18:22

End at: 2018-01-27 15:18:53

Local clock offset: 1.36 ms

Below is generated by plot.py at 2018-01-27 19:41:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 875.91 Mbit/s

95th percentile per-packet one-way delay: 26.699 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 785.34 Mbit/s

95th percentile per-packet one-way delay: 28.756 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 19.704 ms

Loss rate: 0.22%

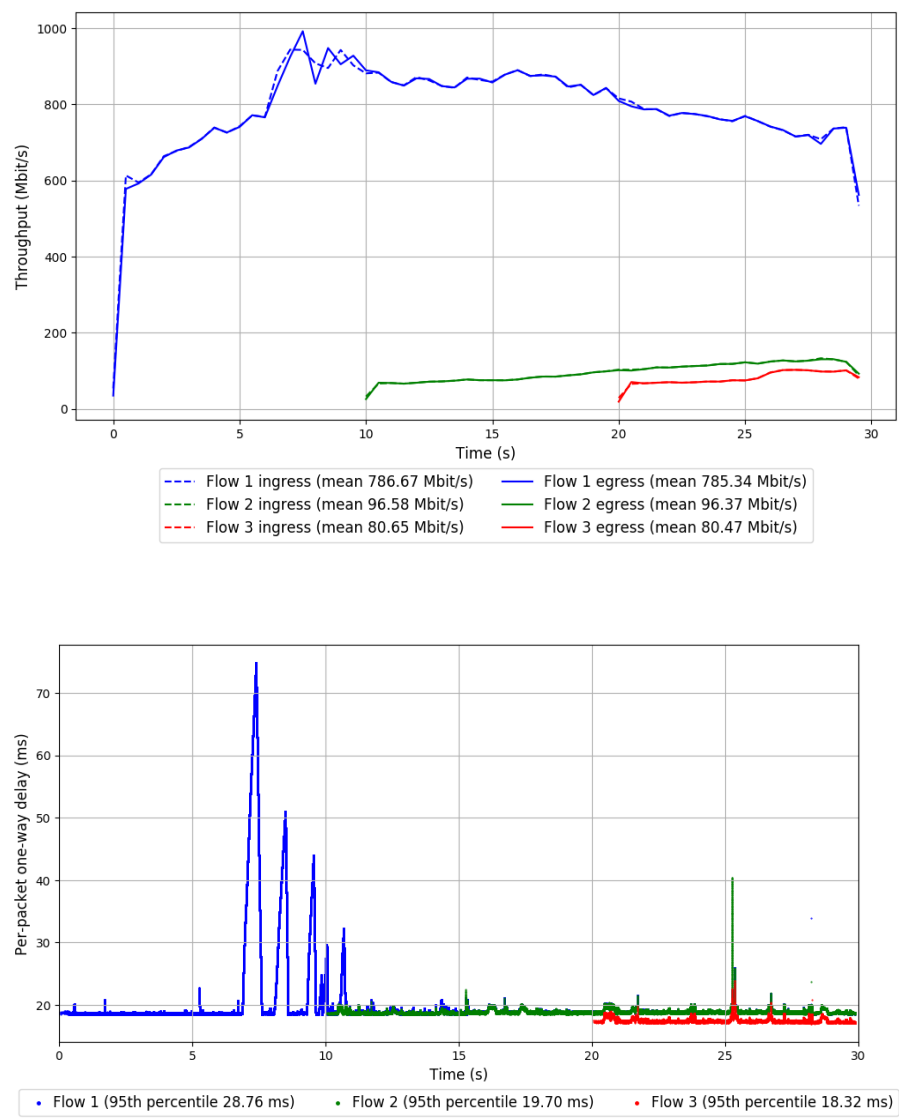
-- Flow 3:

Average throughput: 80.47 Mbit/s

95th percentile per-packet one-way delay: 18.322 ms

Loss rate: 0.22%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-27 16:09:04

End at: 2018-01-27 16:09:34

Local clock offset: -4.832 ms

Below is generated by plot.py at 2018-01-27 19:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 864.24 Mbit/s

95th percentile per-packet one-way delay: 13.581 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 758.55 Mbit/s

95th percentile per-packet one-way delay: 13.619 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 121.66 Mbit/s

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

Loss rate: 0.38%

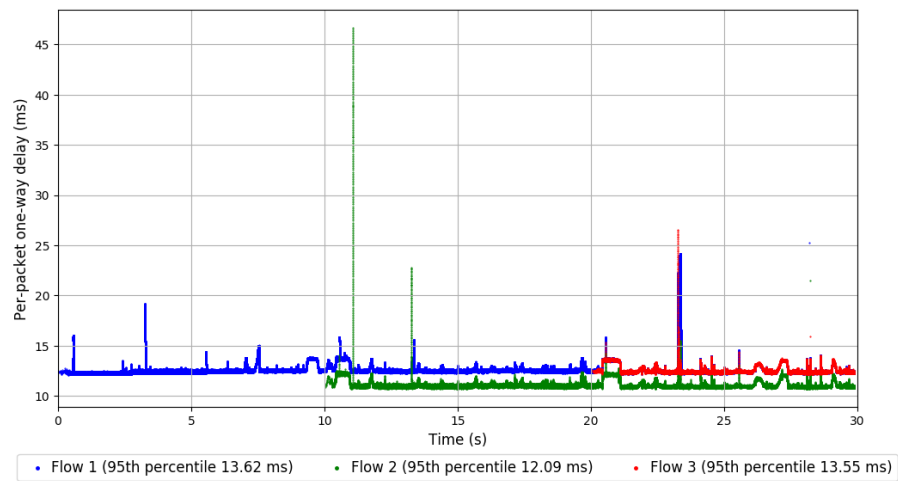
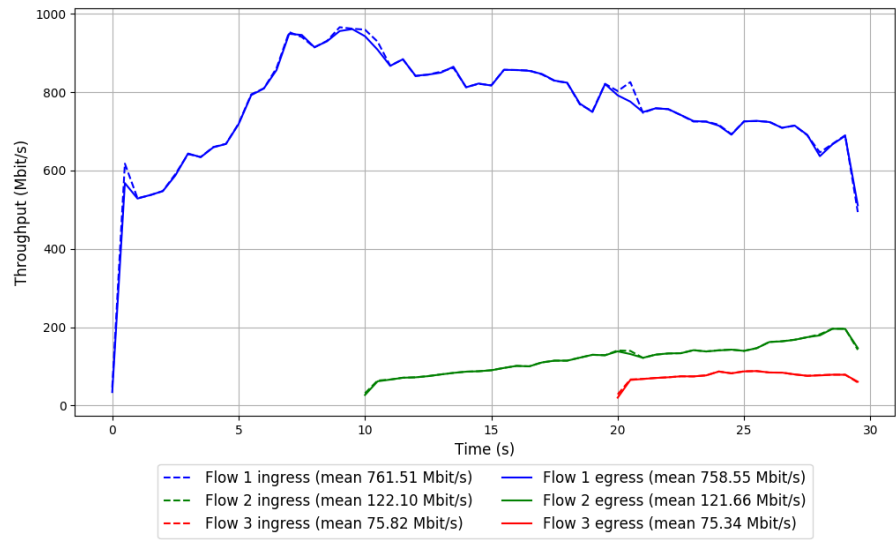
-- Flow 3:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 13.549 ms

Loss rate: 0.63%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-27 16:59:44

End at: 2018-01-27 17:00:14

Local clock offset: -3.954 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 913.23 Mbit/s

95th percentile per-packet one-way delay: 13.117 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 773.05 Mbit/s

95th percentile per-packet one-way delay: 12.346 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 172.16 Mbit/s

95th percentile per-packet one-way delay: 13.528 ms

Loss rate: 0.19%

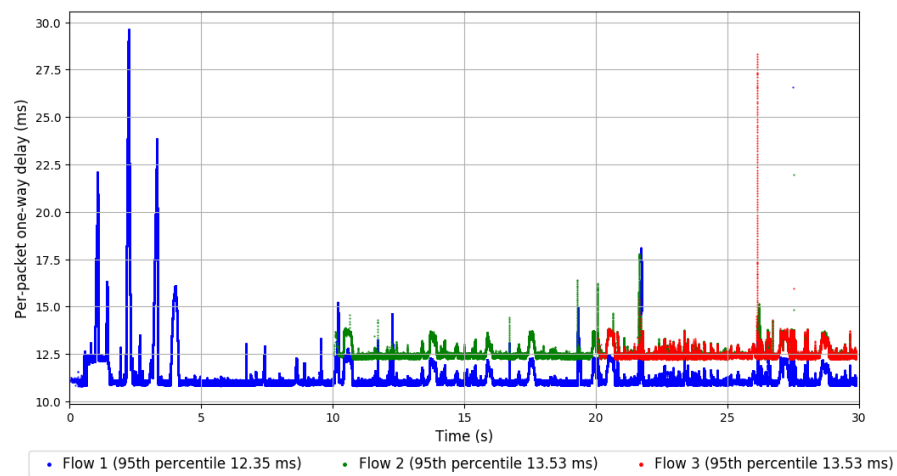
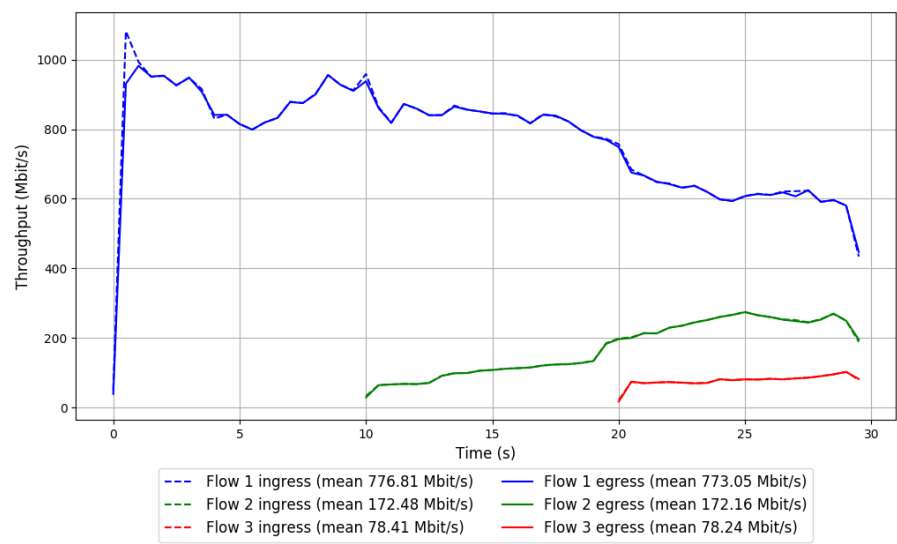
-- Flow 3:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 13.525 ms

Loss rate: 0.22%

Run 10: Report of PCC — Data Link



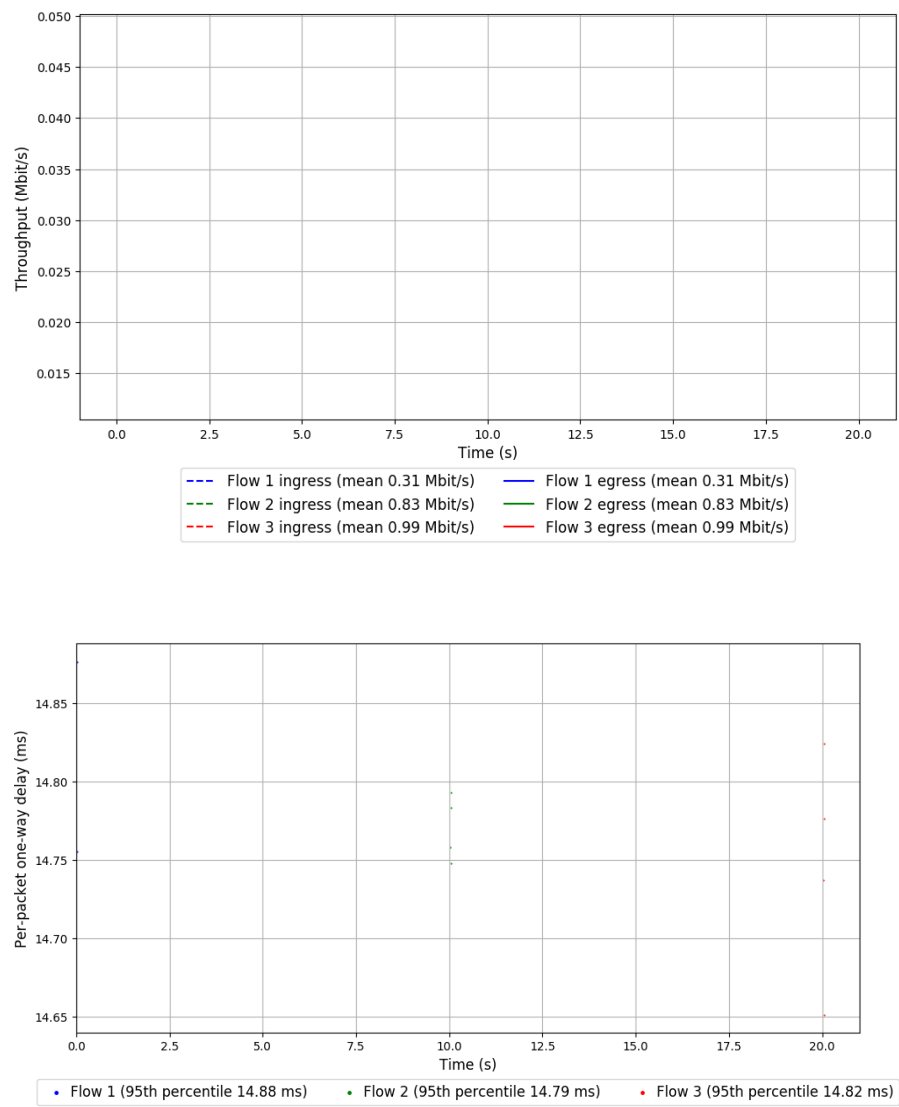
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-27 09:11:44

End at: 2018-01-27 09:12:14

Local clock offset: -2.471 ms

Run 1: Report of QUIC Cubic — Data Link



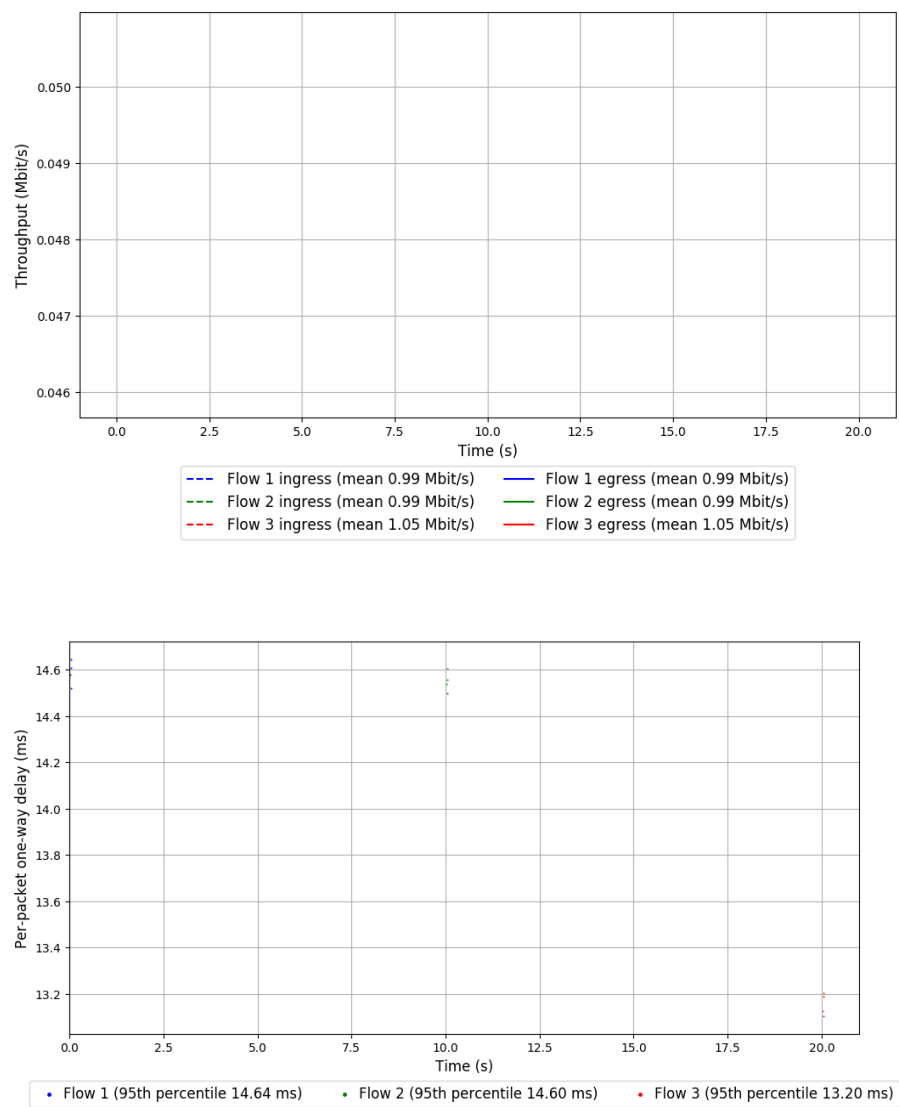
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-27 10:02:23

End at: 2018-01-27 10:02:53

Local clock offset: -2.895 ms

Run 2: Report of QUIC Cubic — Data Link



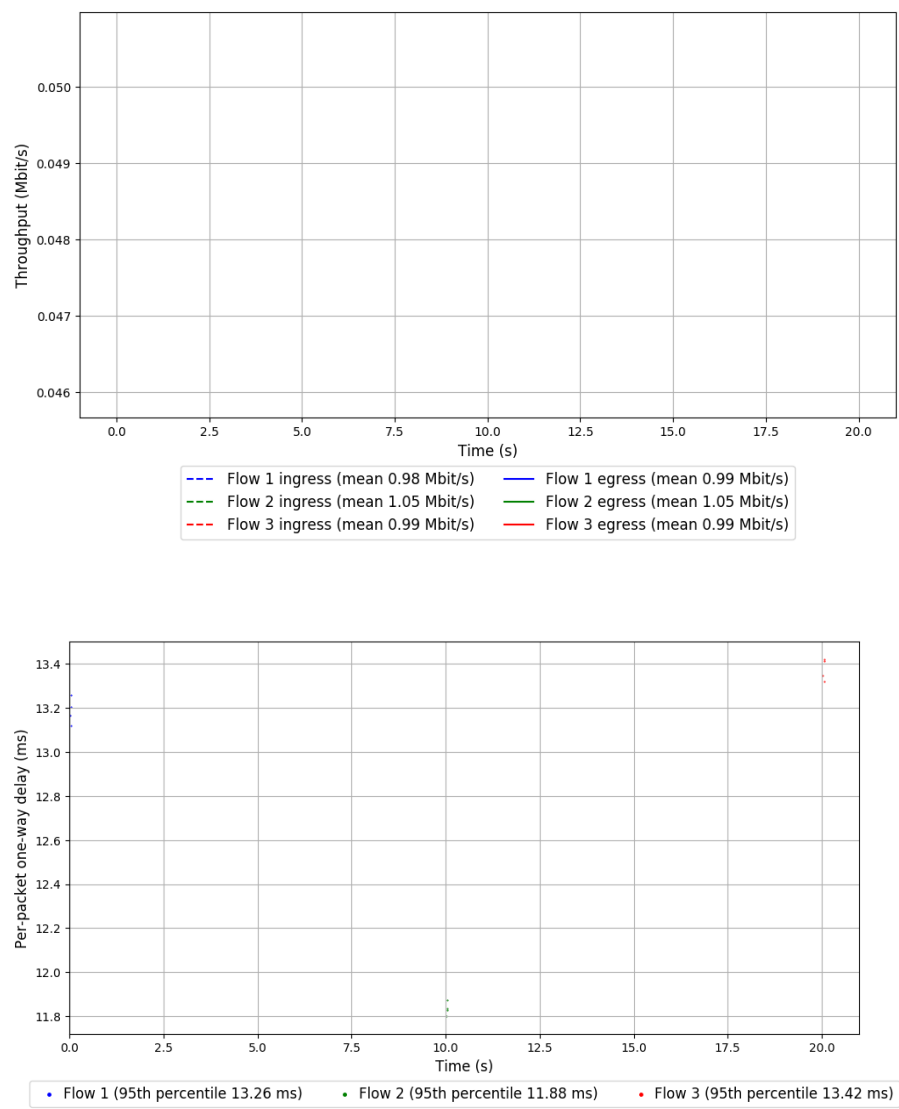
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-27 10:53:05

End at: 2018-01-27 10:53:35

Local clock offset: -4.066 ms

Run 3: Report of QUIC Cubic — Data Link



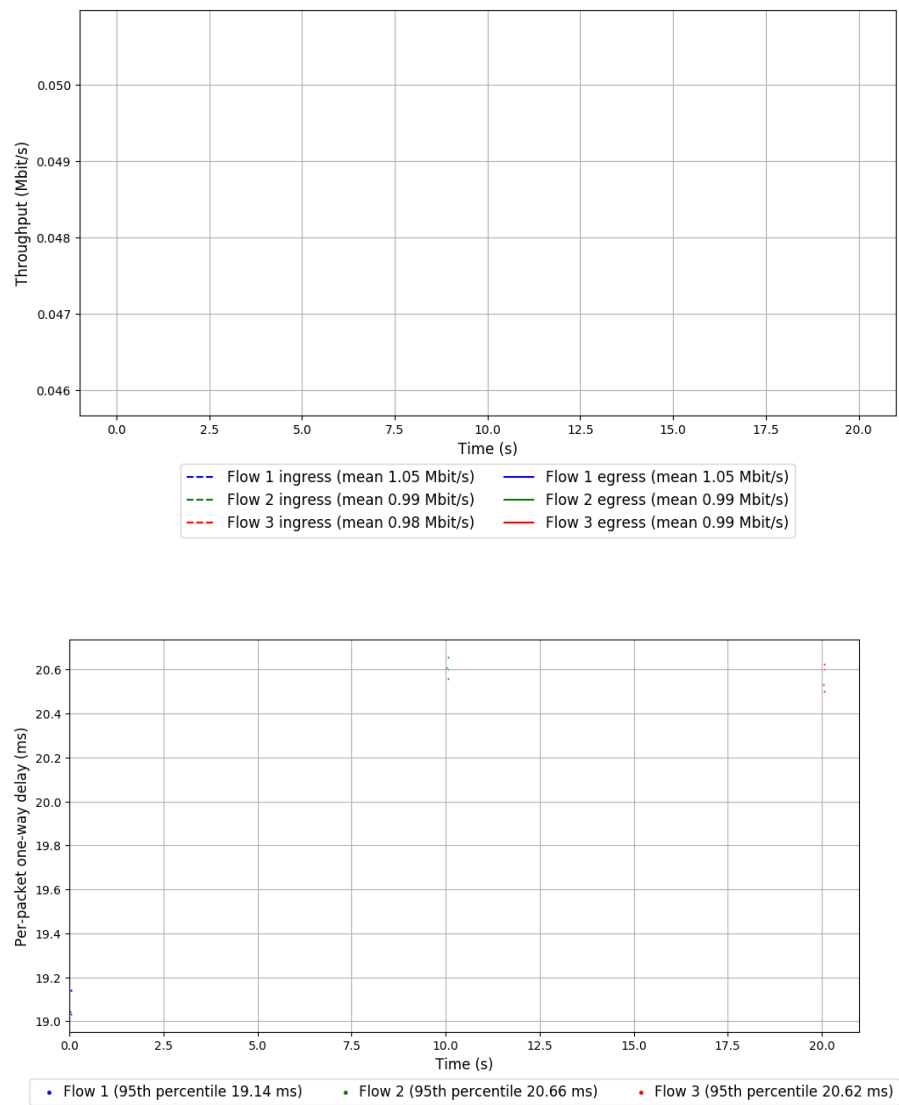
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-27 11:43:47

End at: 2018-01-27 11:44:17

Local clock offset: 2.987 ms

Run 4: Report of QUIC Cubic — Data Link



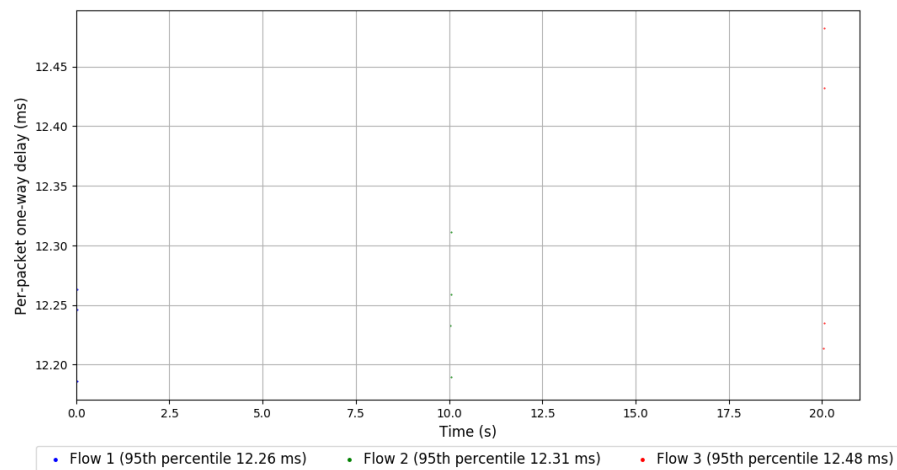
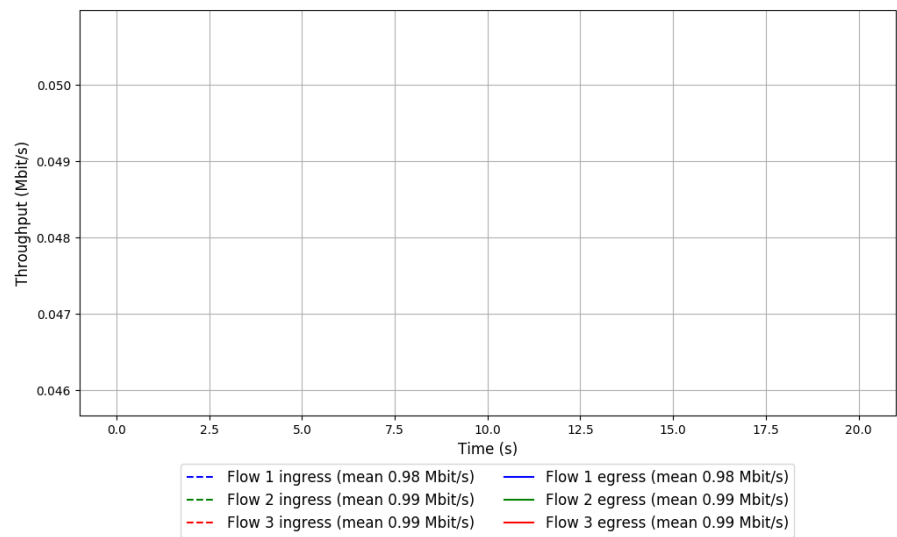
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-27 12:34:30

End at: 2018-01-27 12:35:00

Local clock offset: -5.132 ms

Run 5: Report of QUIC Cubic — Data Link



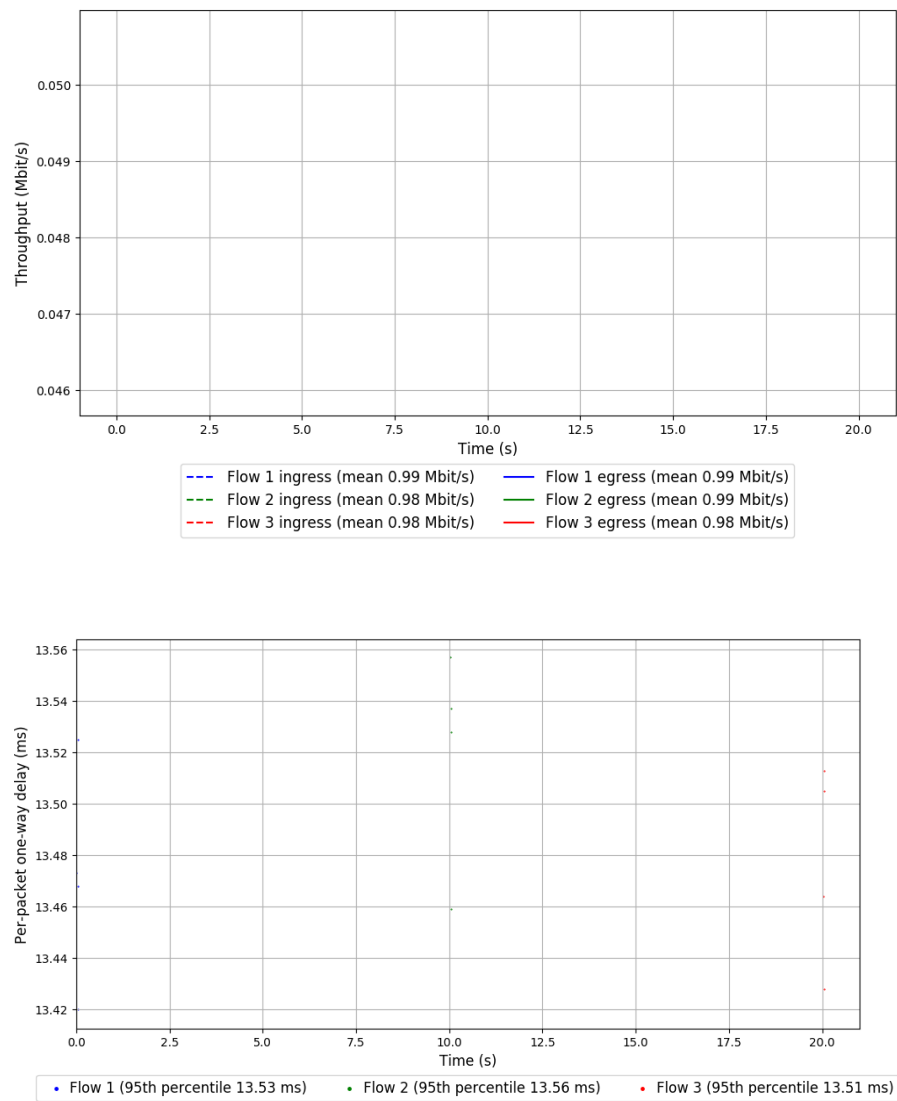
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-27 13:25:10

End at: 2018-01-27 13:25:40

Local clock offset: -3.974 ms

Run 6: Report of QUIC Cubic — Data Link



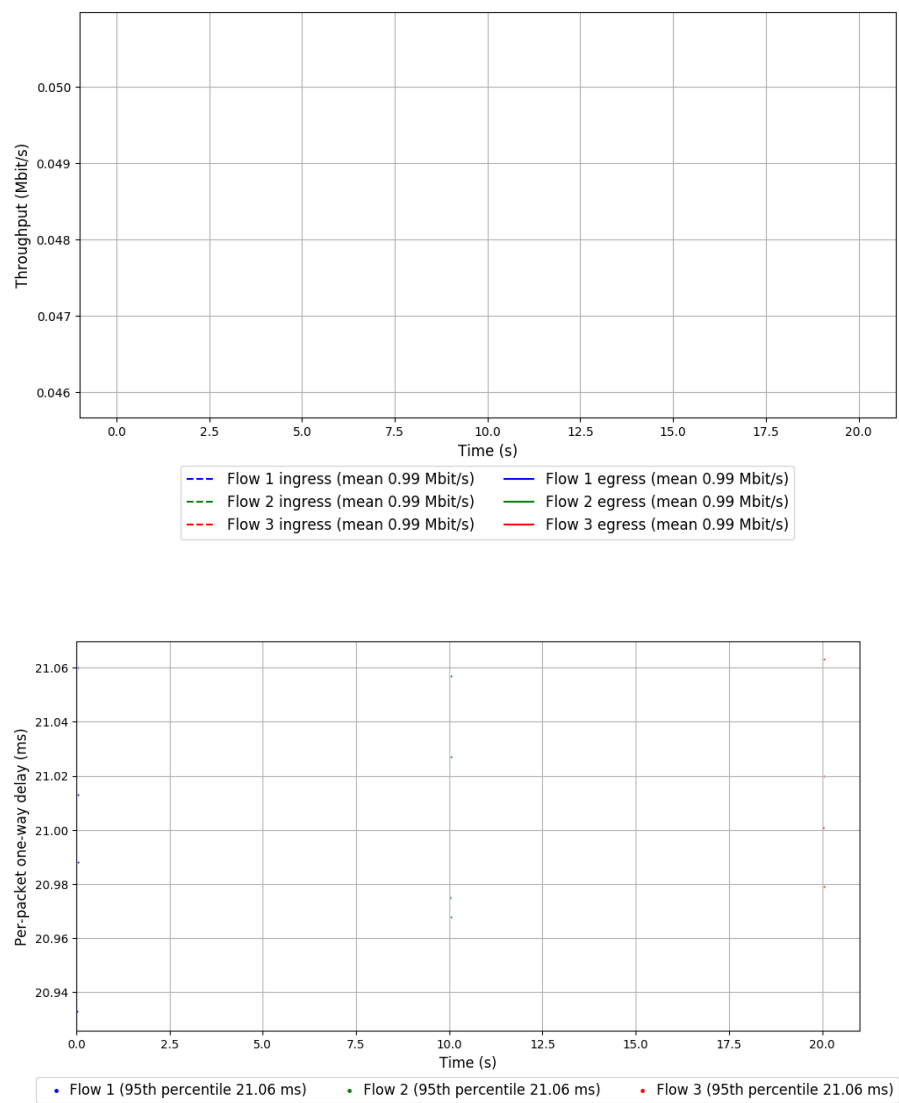
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-27 14:15:28

End at: 2018-01-27 14:15:58

Local clock offset: 3.646 ms

Run 7: Report of QUIC Cubic — Data Link



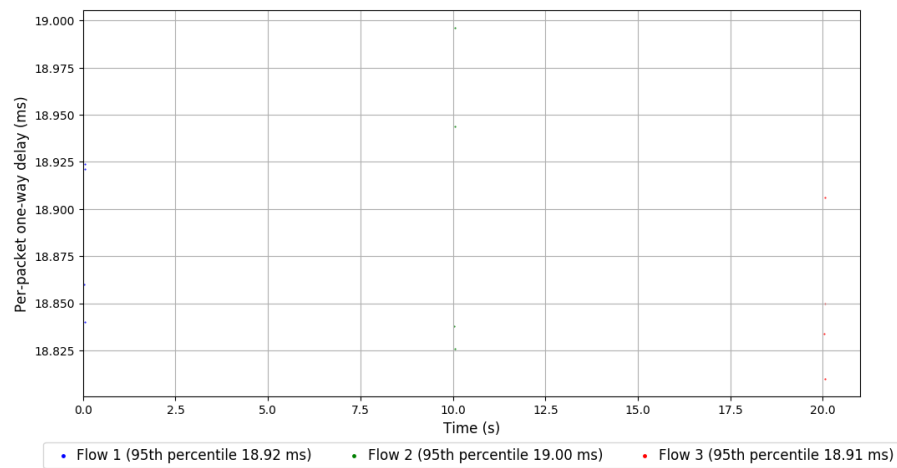
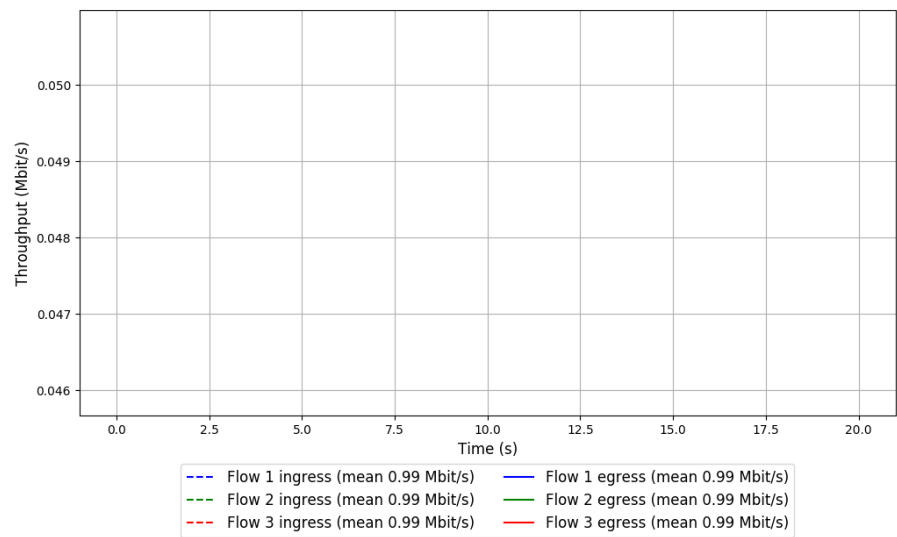
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-27 15:06:09

End at: 2018-01-27 15:06:39

Local clock offset: 1.802 ms

Run 8: Report of QUIC Cubic — Data Link



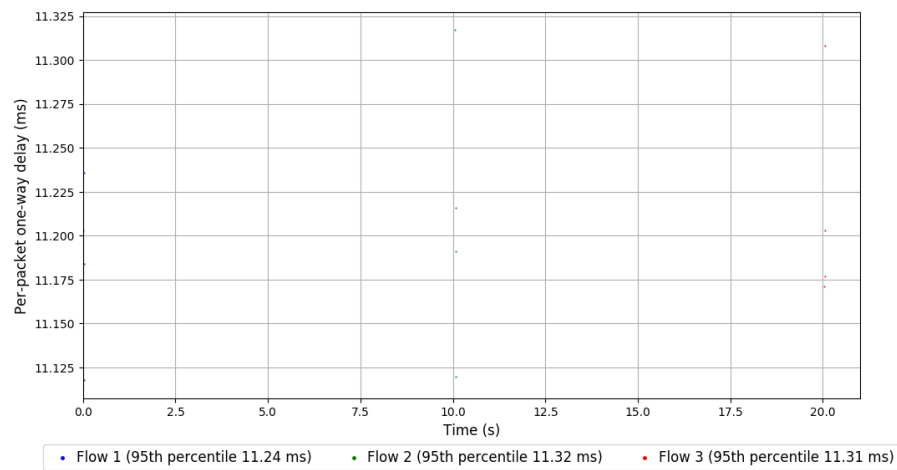
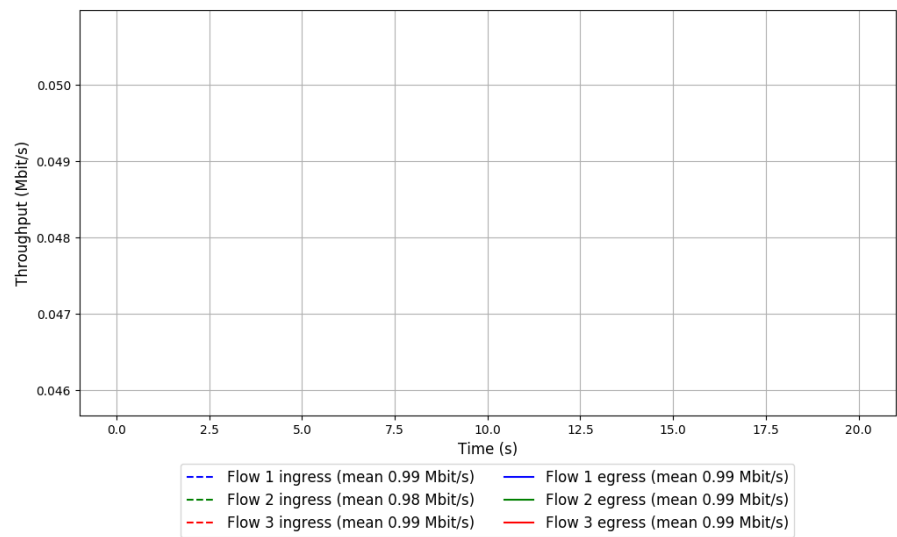
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-27 15:56:51

End at: 2018-01-27 15:57:21

Local clock offset: -5.478 ms

Run 9: Report of QUIC Cubic — Data Link



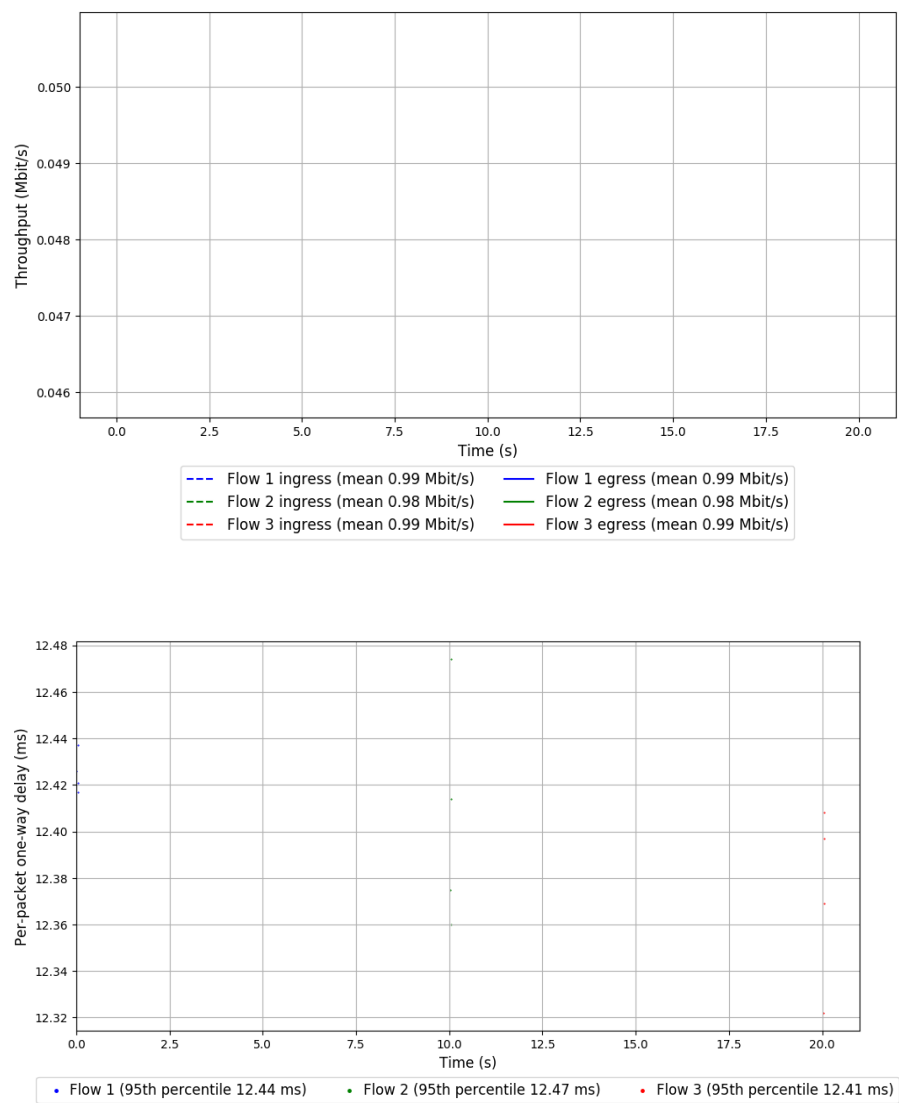
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-27 16:47:32

End at: 2018-01-27 16:48:02

Local clock offset: -3.984 ms

Run 10: Report of QUIC Cubic — Data Link

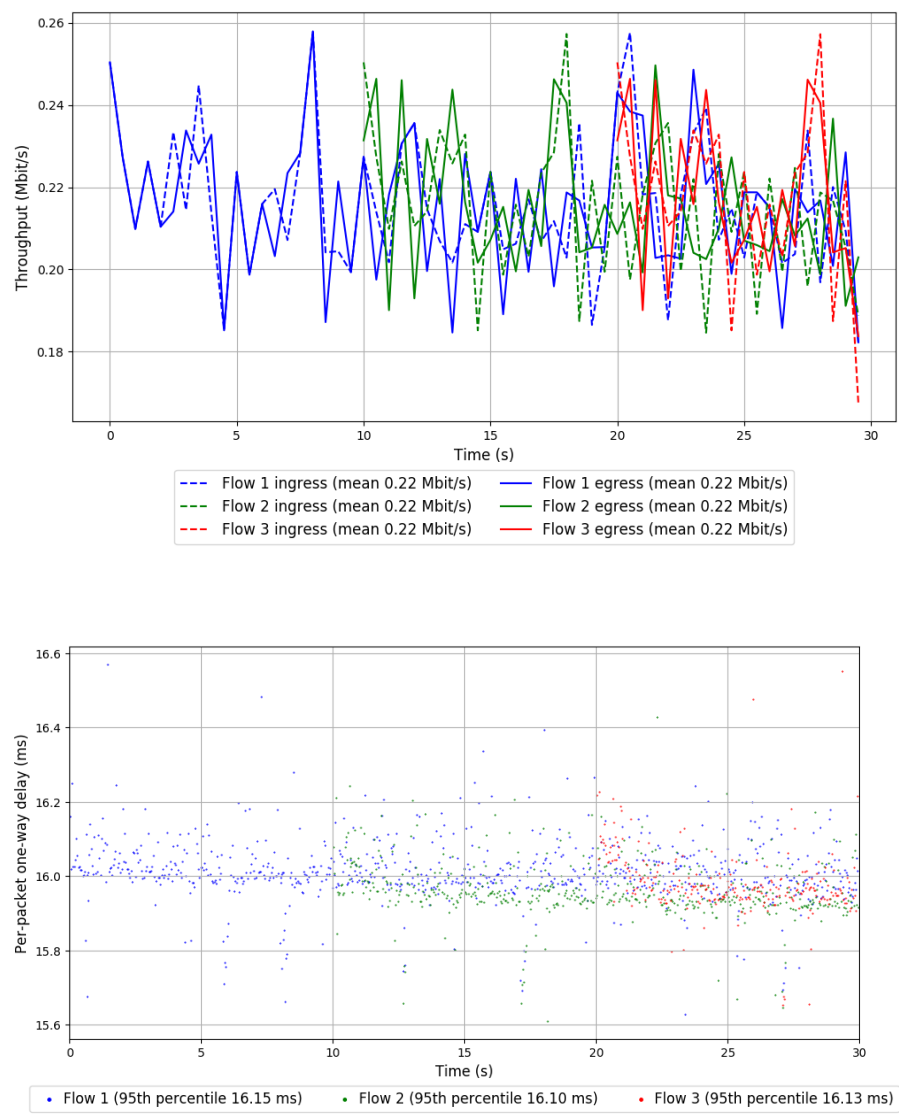


```
Run 1: Statistics of SReAM

Start at: 2018-01-27 08:52:46
End at: 2018-01-27 08:53:16
Local clock offset: -1.281 ms

# Below is generated by plot.py at 2018-01-27 19:49:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.128 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-01-27 09:43:25

End at: 2018-01-27 09:43:55

Local clock offset: -4.628 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.169 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.130 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.202 ms

Loss rate: 0.00%

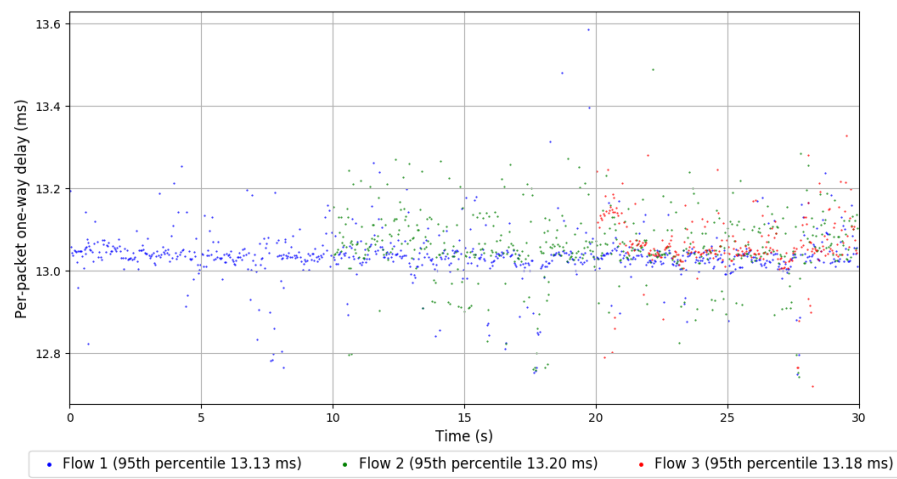
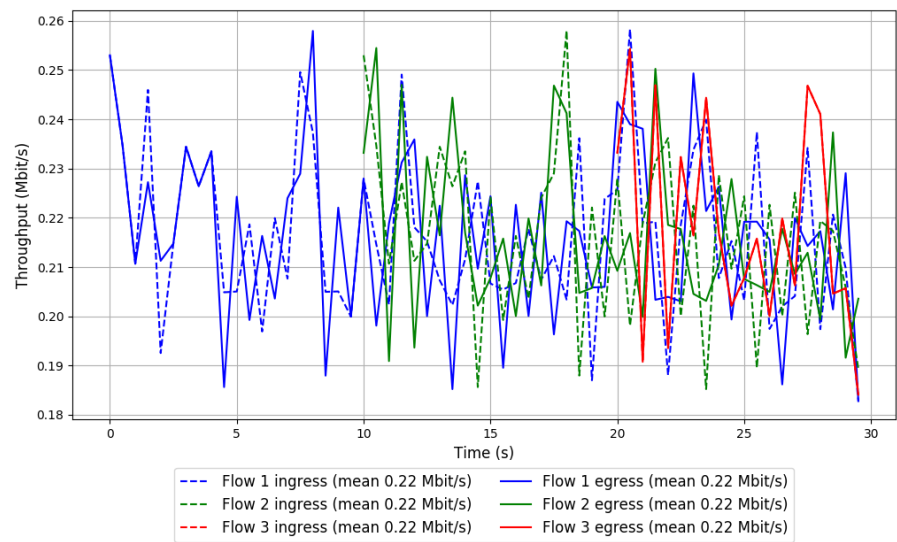
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.182 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-01-27 10:34:07

End at: 2018-01-27 10:34:37

Local clock offset: -3.492 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.124 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.134 ms

Loss rate: 0.00%

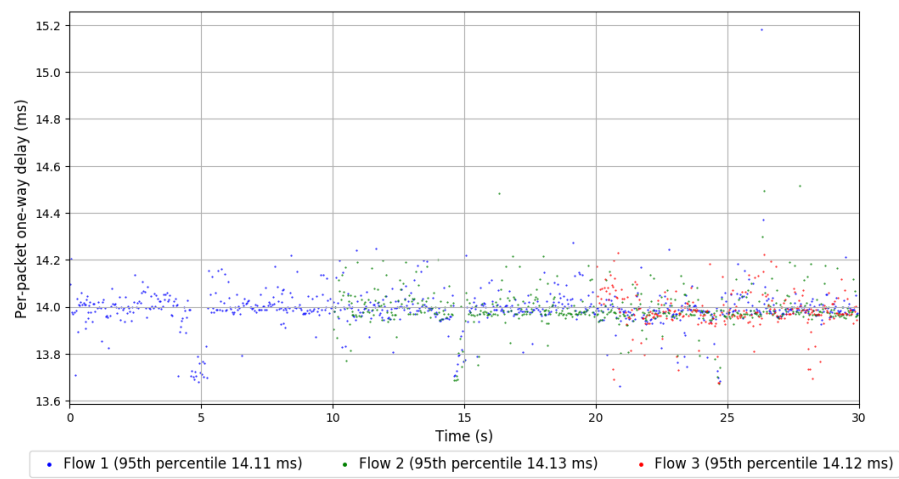
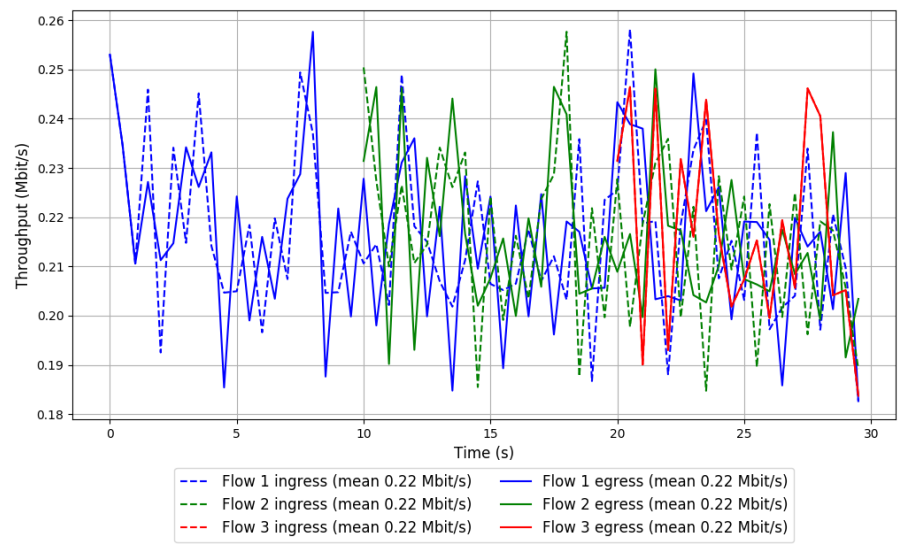
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.122 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-01-27 11:24:50

End at: 2018-01-27 11:25:21

Local clock offset: 3.298 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 21.392 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 21.389 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 21.379 ms

Loss rate: 0.00%

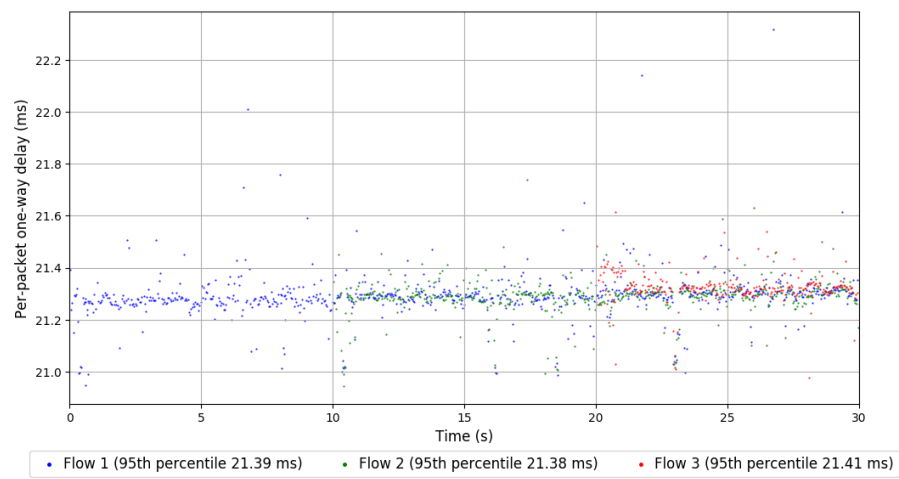
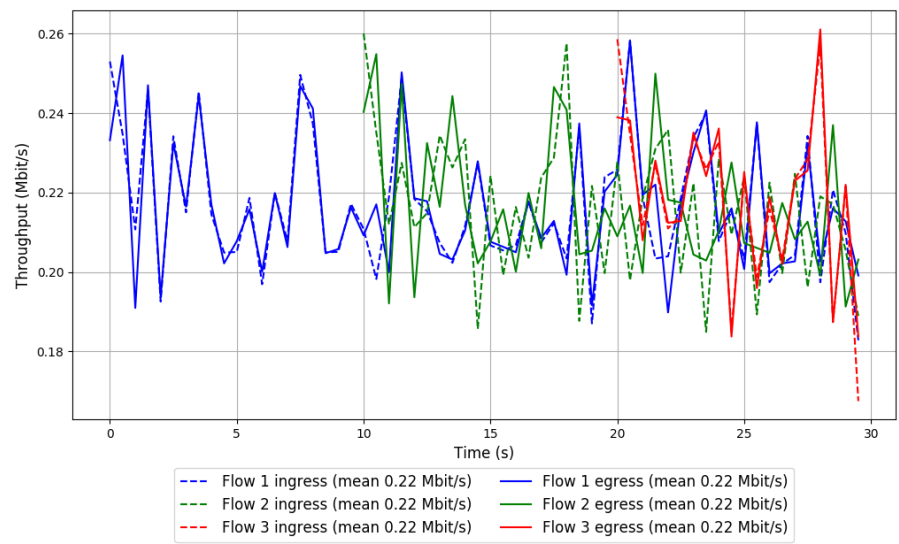
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 21.414 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-27 12:15:33

End at: 2018-01-27 12:16:03

Local clock offset: -2.341 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.917 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.941 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.478 ms

Loss rate: 0.00%

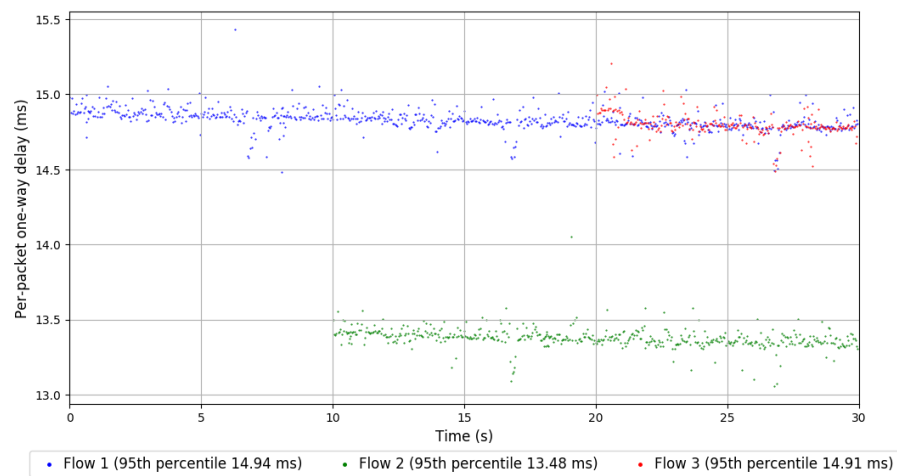
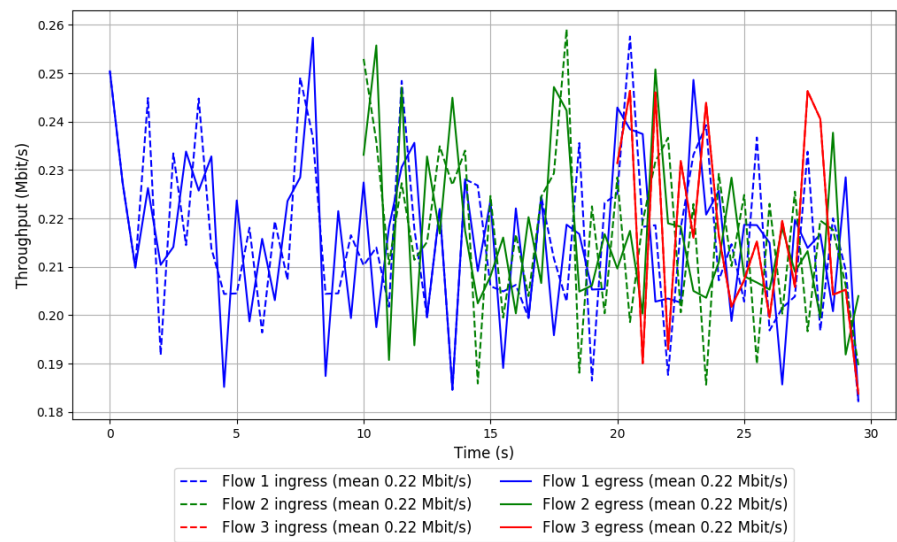
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.907 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-01-27 13:06:13

End at: 2018-01-27 13:06:43

Local clock offset: -7.089 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.457 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.437 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.455 ms

Loss rate: 0.00%

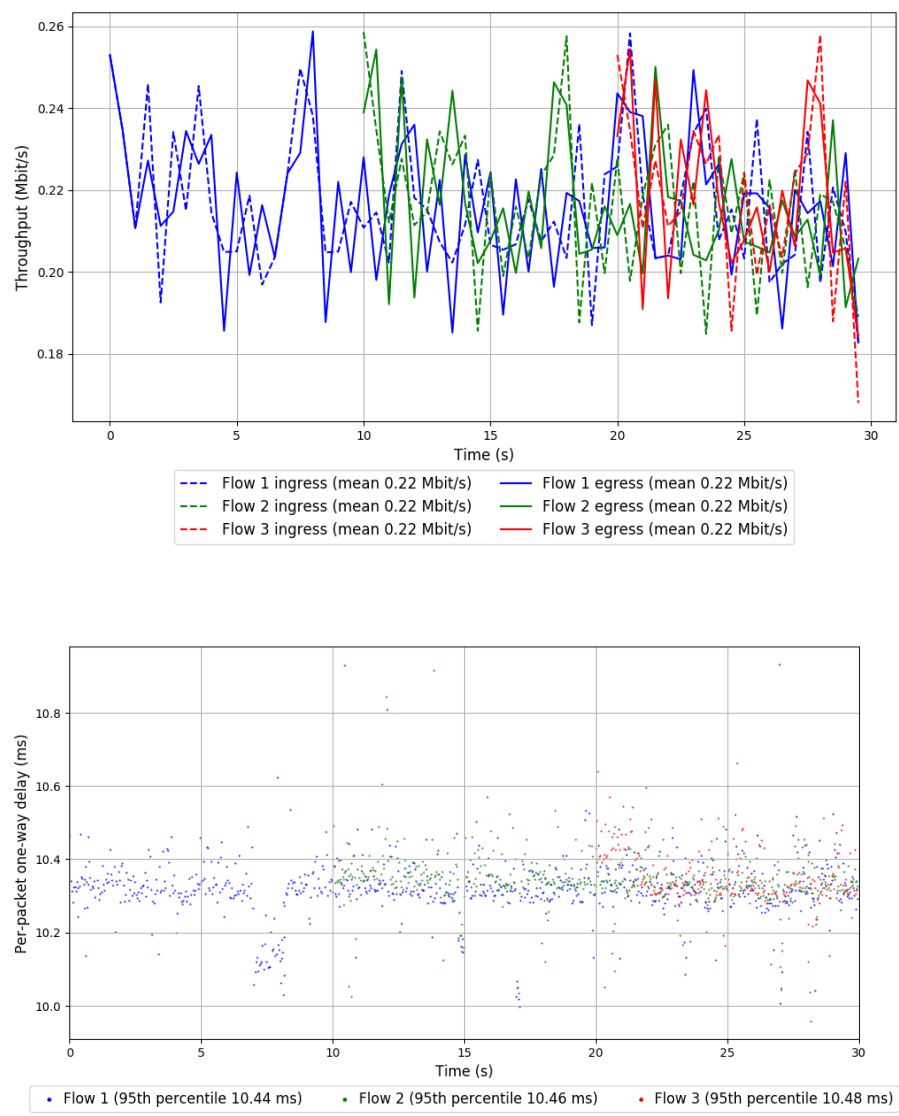
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.484 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-01-27 13:56:51

End at: 2018-01-27 13:57:21

Local clock offset: 1.085 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.239 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.224 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.252 ms

Loss rate: 0.00%

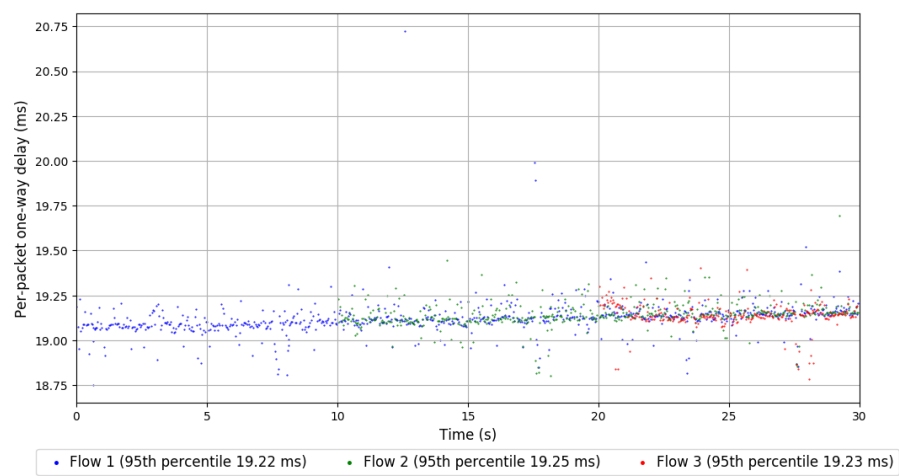
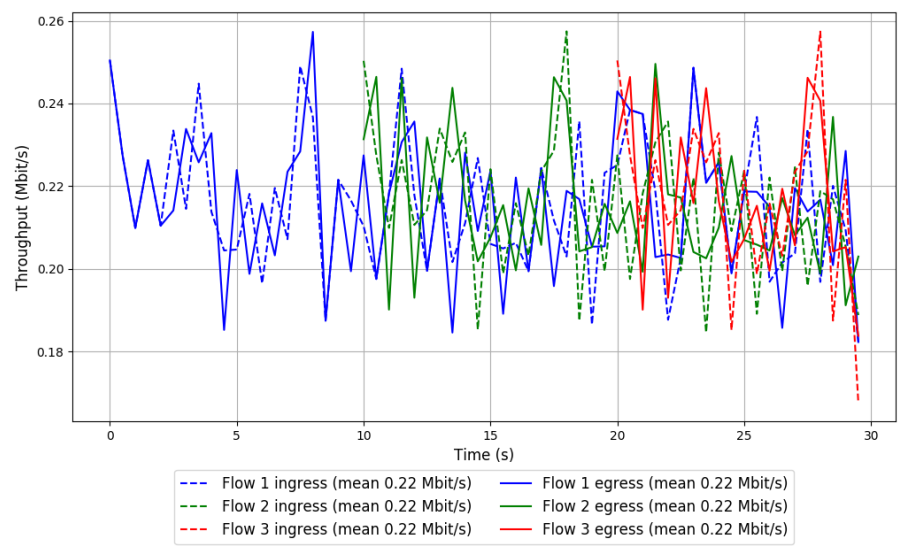
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.234 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-01-27 14:47:12

End at: 2018-01-27 14:47:42

Local clock offset: 3.452 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 21.197 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 21.227 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.835 ms

Loss rate: 0.00%

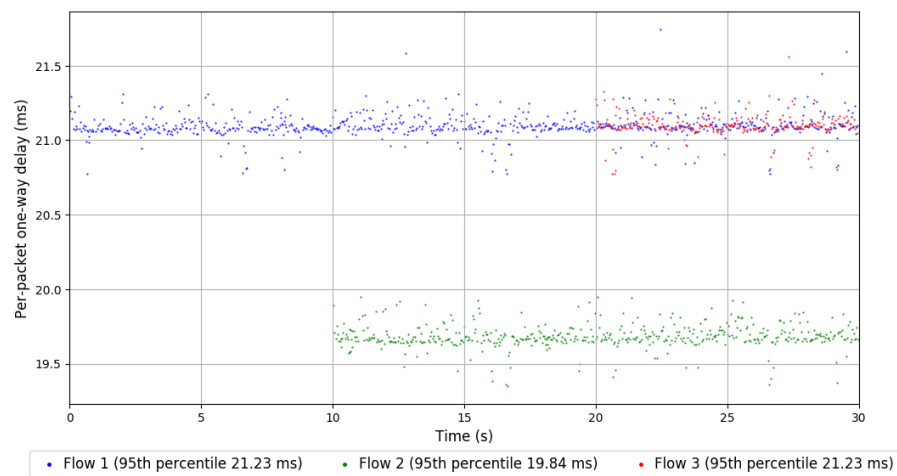
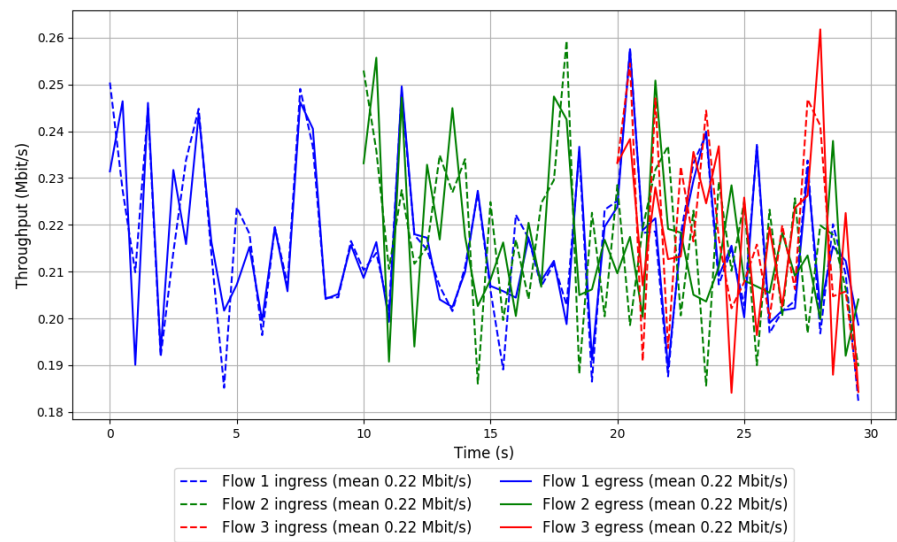
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 21.225 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-01-27 15:37:51

End at: 2018-01-27 15:38:21

Local clock offset: -2.651 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.178 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.205 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.157 ms

Loss rate: 0.00%

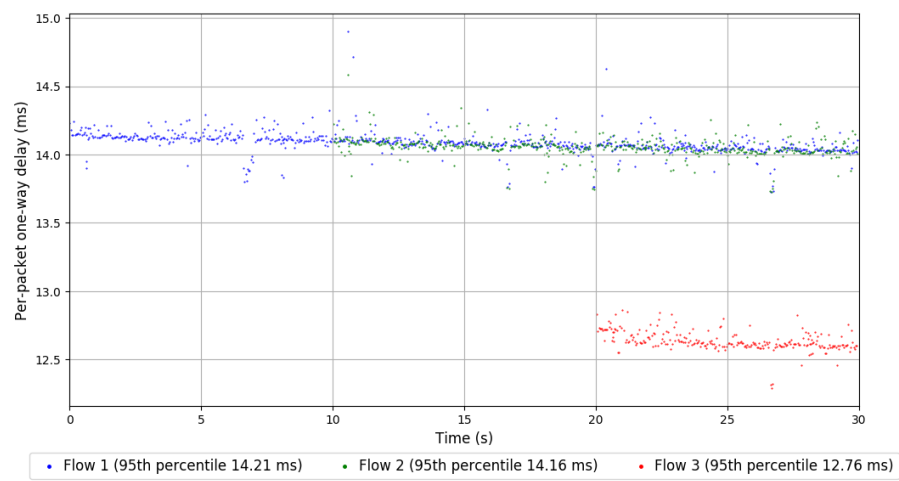
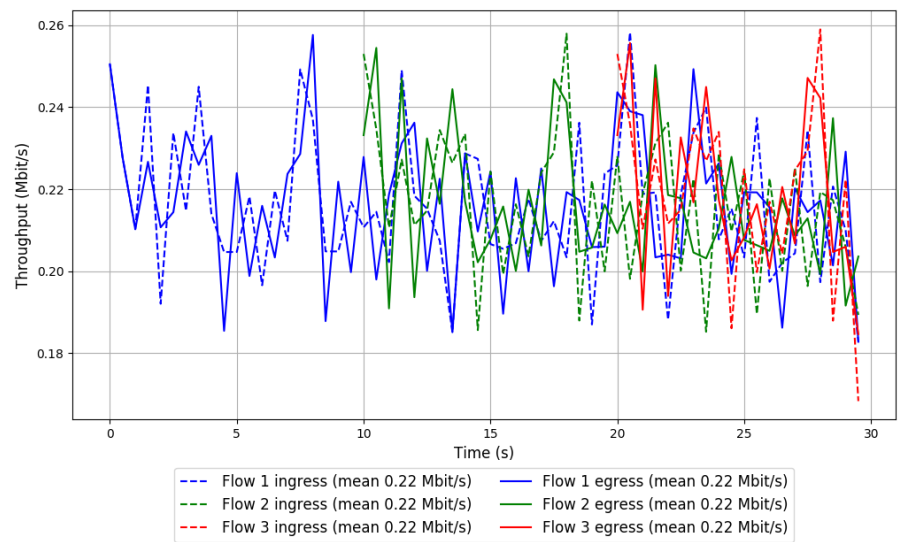
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.755 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-27 16:28:35

End at: 2018-01-27 16:29:05

Local clock offset: -4.436 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 12.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.488 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.490 ms

Loss rate: 0.00%

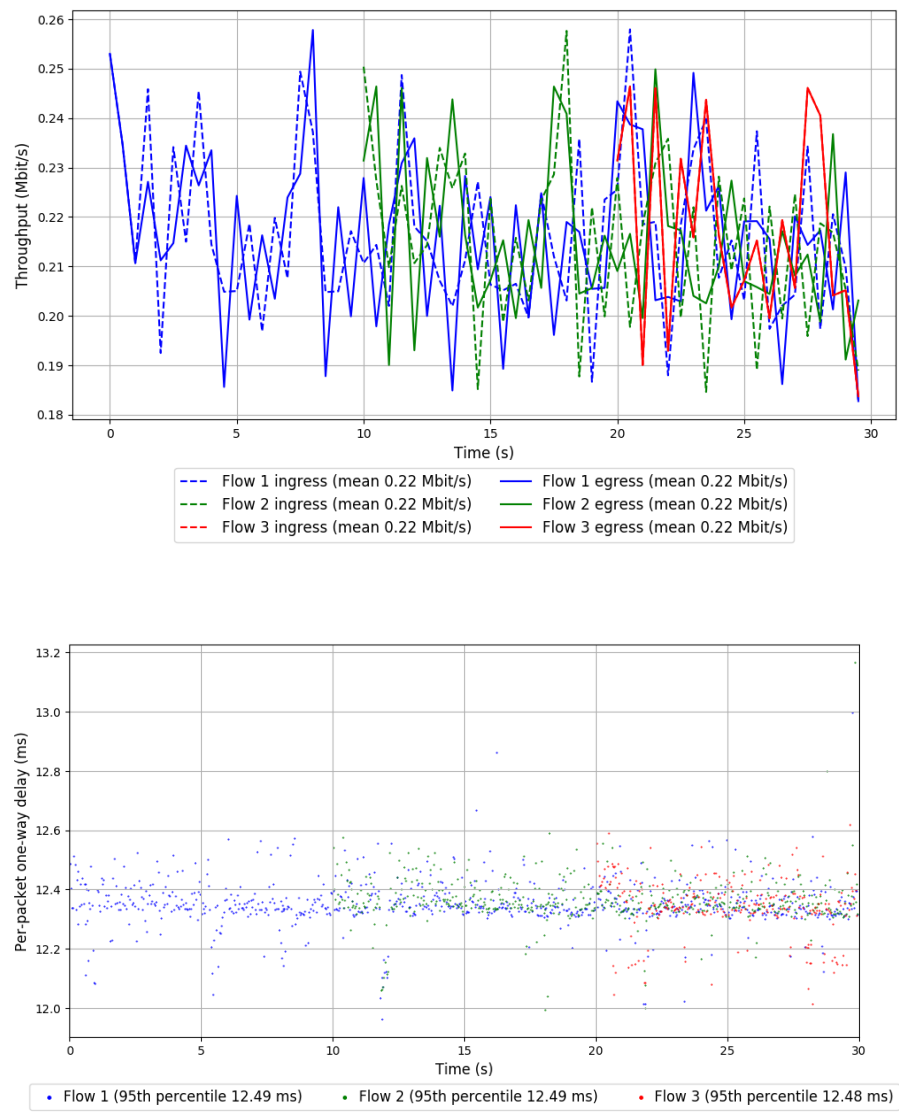
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.479 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-27 09:21:01

End at: 2018-01-27 09:21:31

Local clock offset: -3.441 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 14.745 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 14.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 14.941 ms

Loss rate: 0.00%

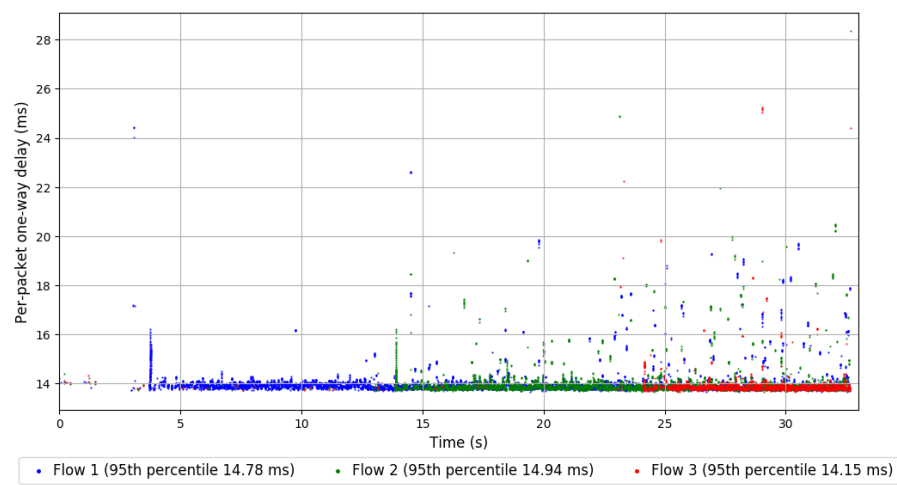
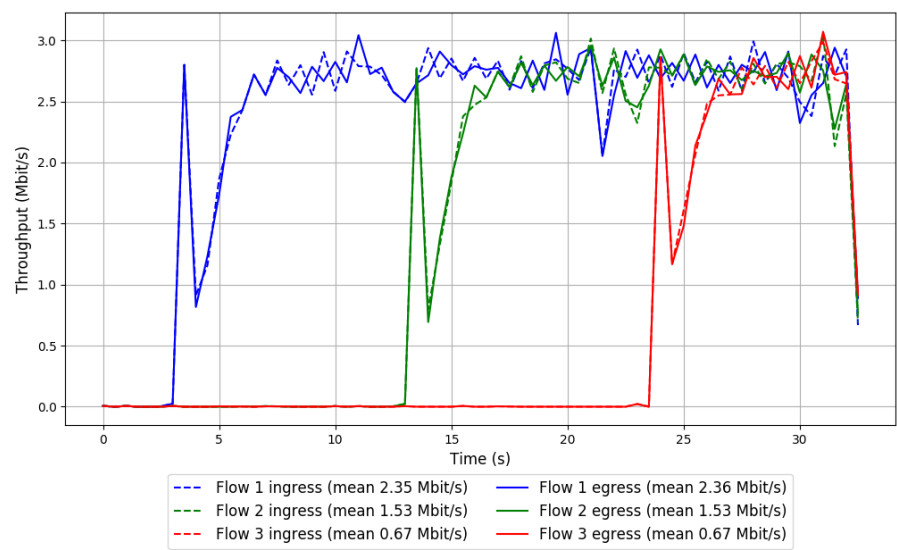
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 14.146 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-27 10:11:40

End at: 2018-01-27 10:12:10

Local clock offset: -2.73 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 15.393 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 15.324 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 15.346 ms

Loss rate: 0.00%

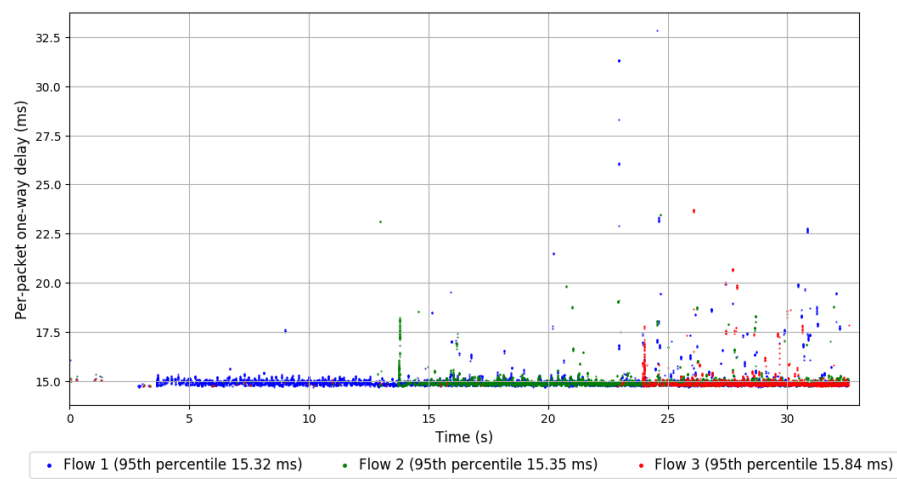
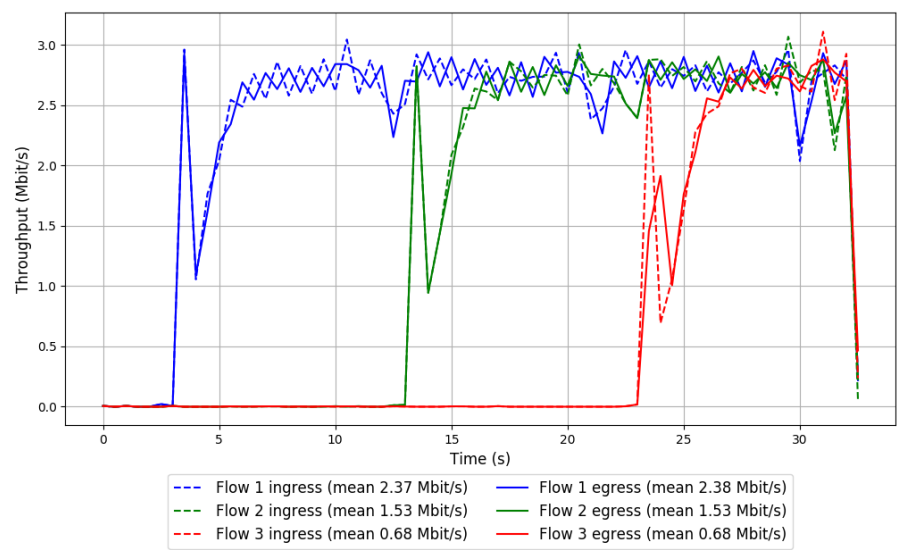
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 15.841 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-27 11:02:23

End at: 2018-01-27 11:02:53

Local clock offset: -0.43 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 18.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 18.158 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 16.669 ms

Loss rate: 0.00%

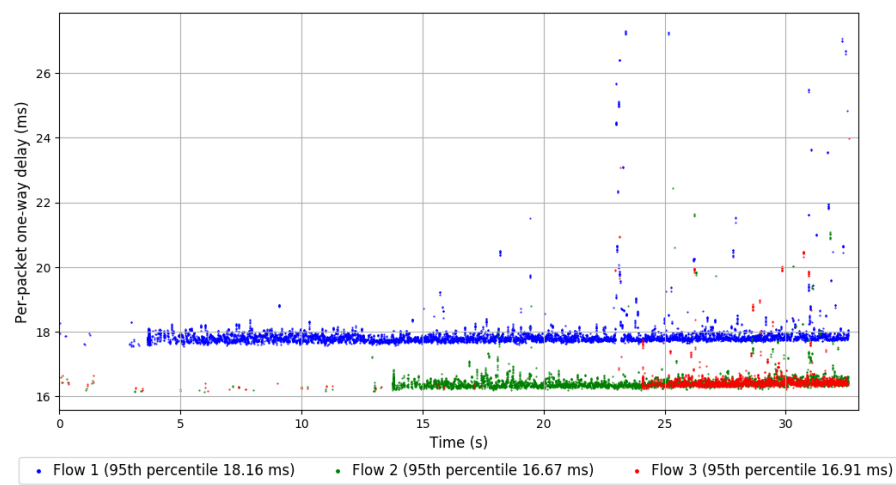
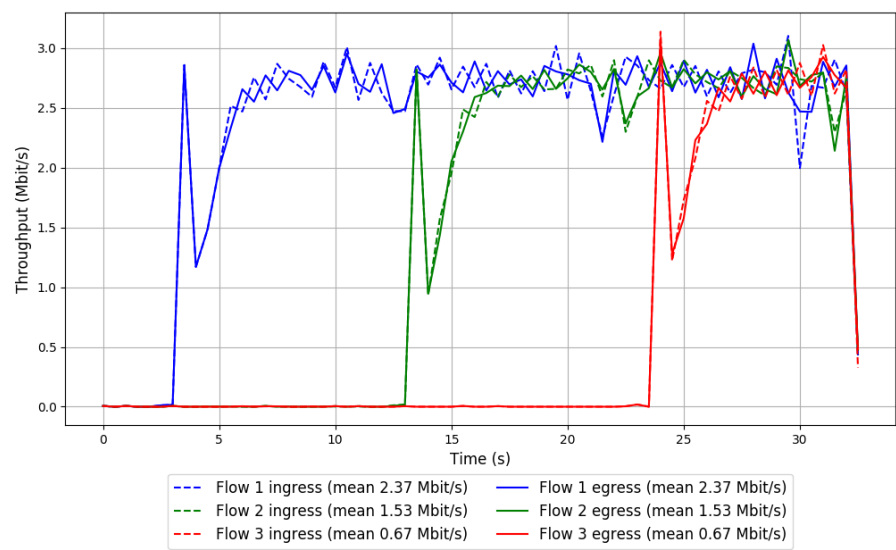
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 16.909 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-27 11:53:07

End at: 2018-01-27 11:53:37

Local clock offset: 3.14 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 22.758 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 22.498 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

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

Loss rate: 0.00%

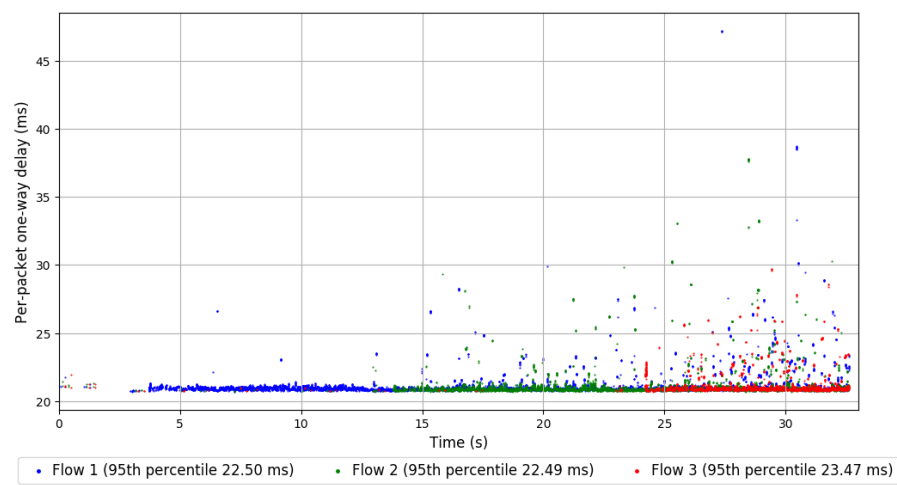
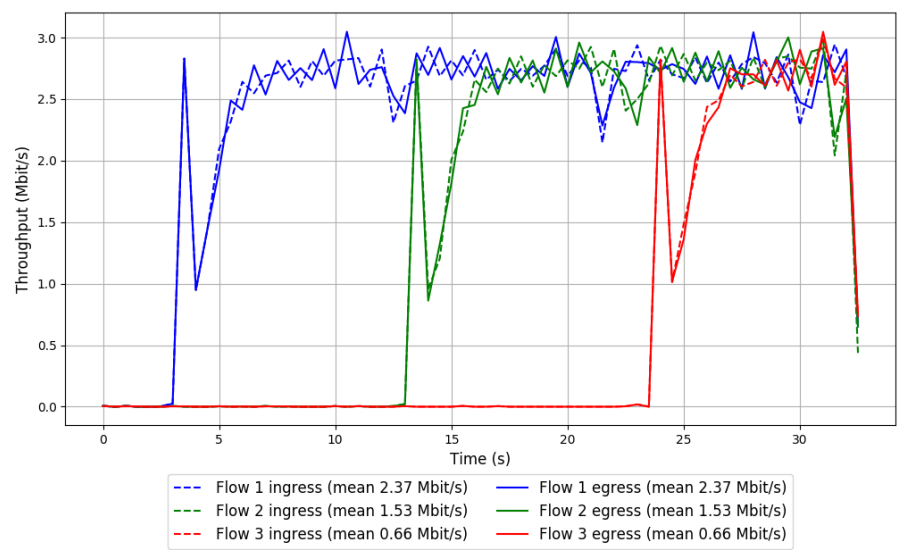
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 23.468 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-27 12:43:48

End at: 2018-01-27 12:44:18

Local clock offset: -5.781 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 12.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 13.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 12.919 ms

Loss rate: 0.00%

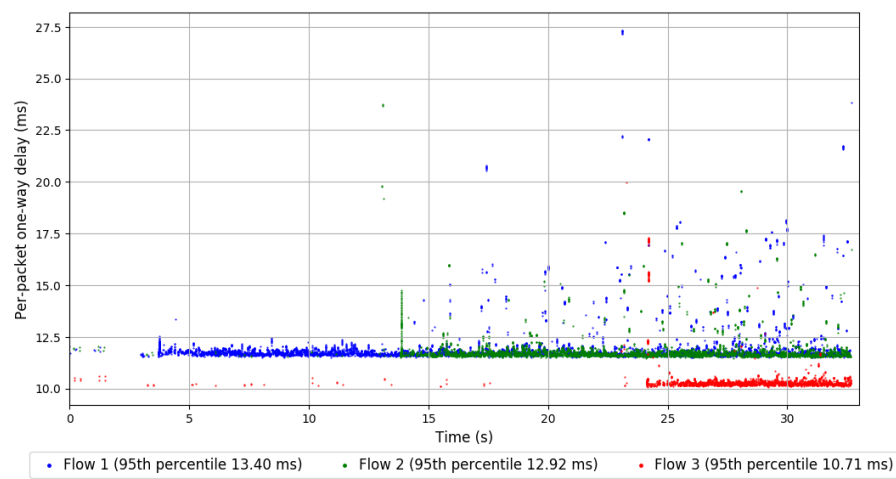
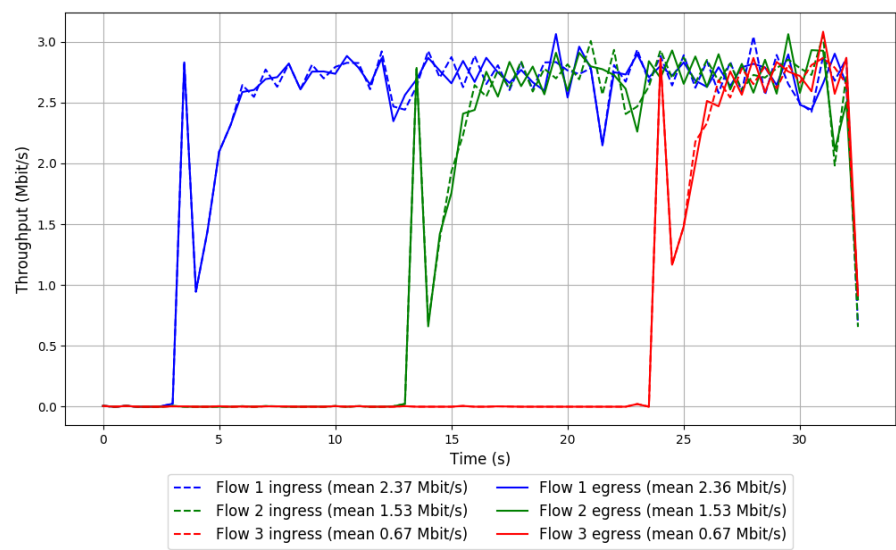
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 10.711 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-27 13:34:26

End at: 2018-01-27 13:34:56

Local clock offset: -3.192 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 14.906 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 15.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 14.763 ms

Loss rate: 0.00%

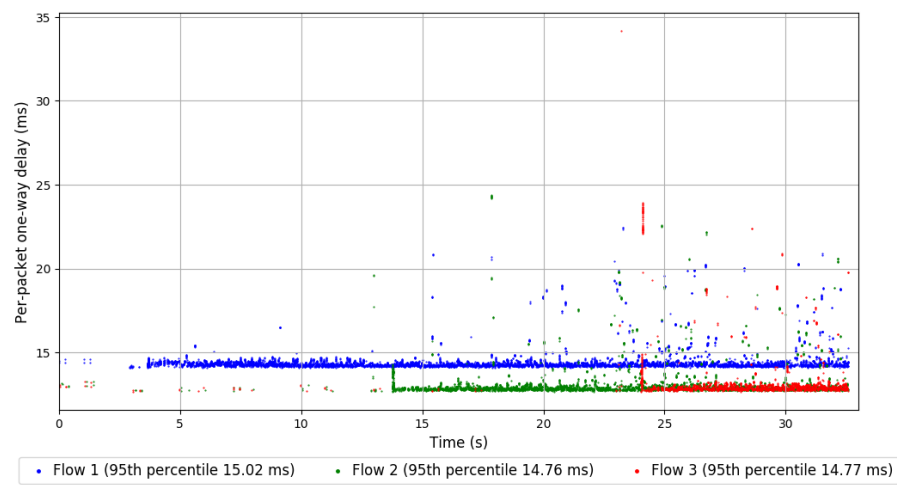
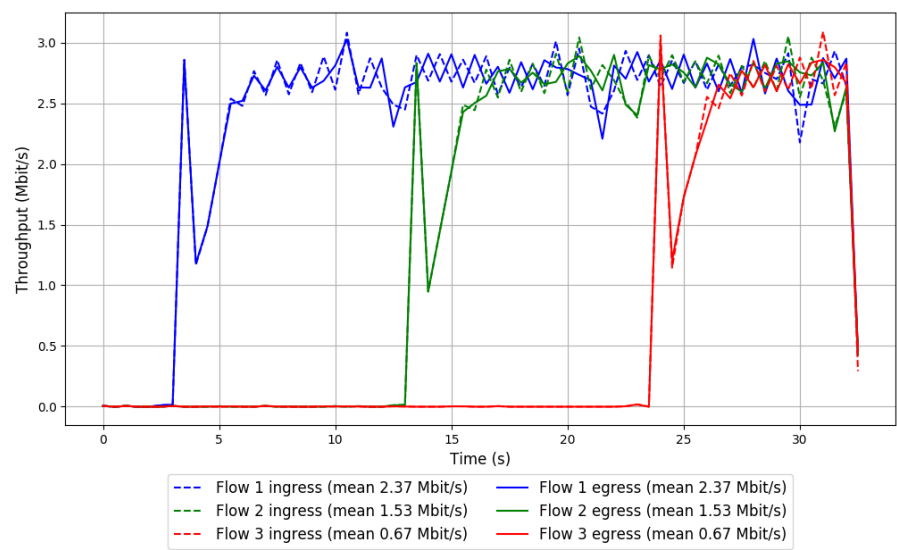
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 14.771 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-27 14:24:44

End at: 2018-01-27 14:25:14

Local clock offset: 3.545 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.56 Mbit/s

95th percentile per-packet one-way delay: 22.395 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 21.840 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 22.678 ms

Loss rate: 0.00%

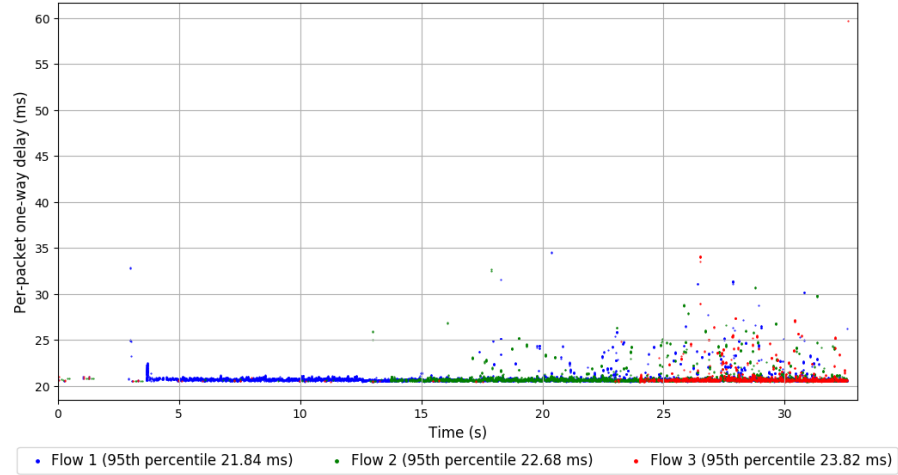
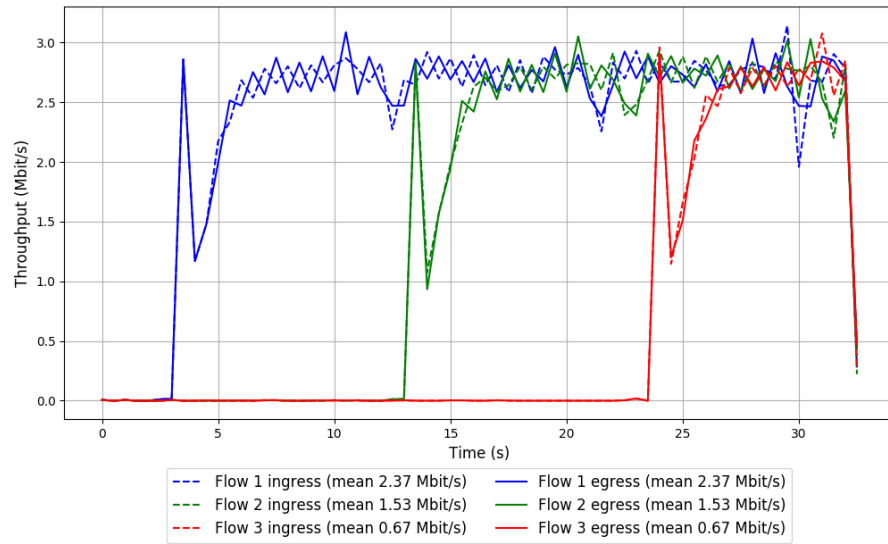
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 23.820 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-27 15:15:27

End at: 2018-01-27 15:15:57

Local clock offset: 1.359 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 19.526 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 19.644 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 19.164 ms

Loss rate: 0.00%

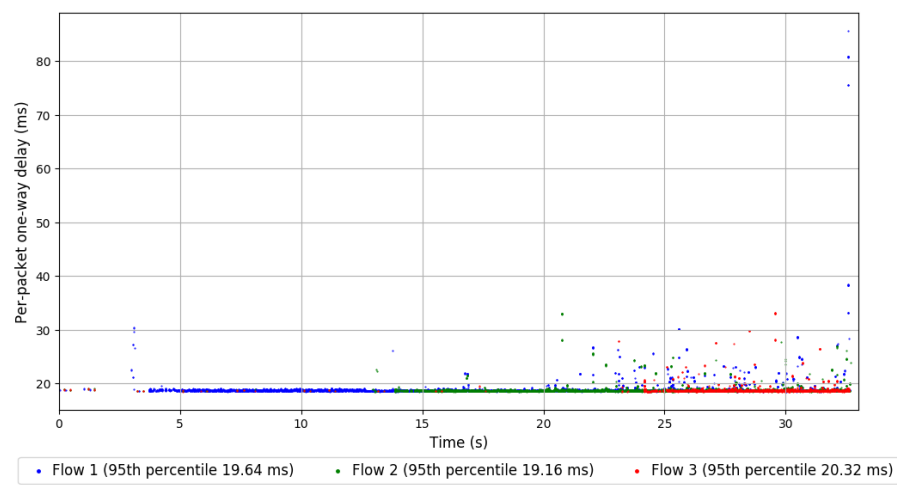
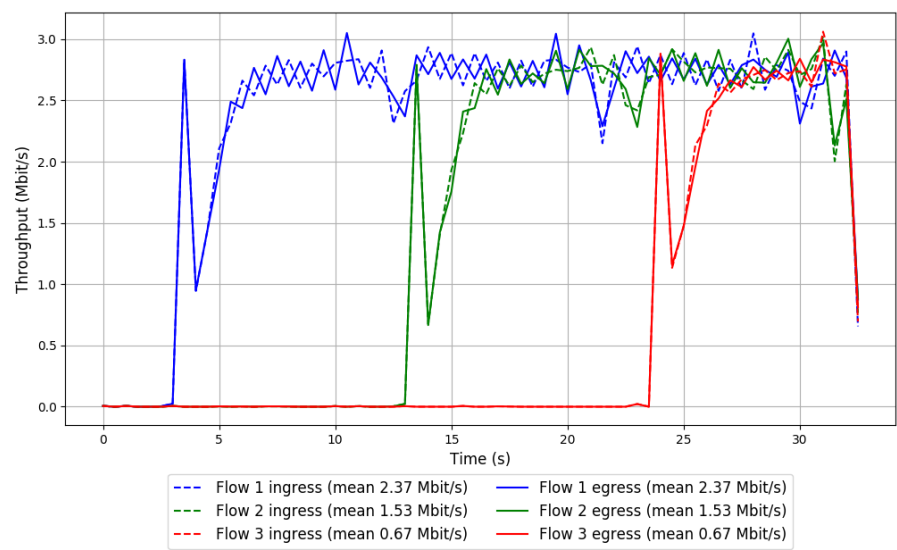
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 20.324 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-27 16:06:08

End at: 2018-01-27 16:06:38

Local clock offset: -5.353 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 13.216 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 13.417 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 12.664 ms

Loss rate: 0.00%

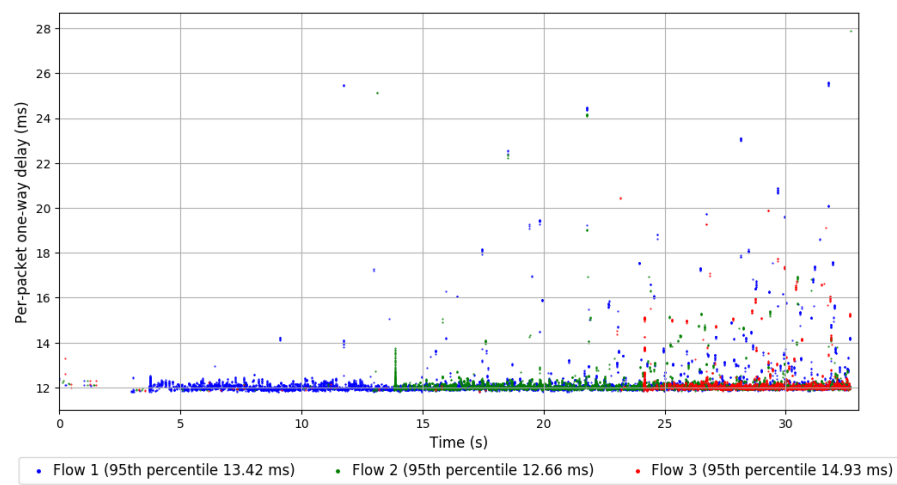
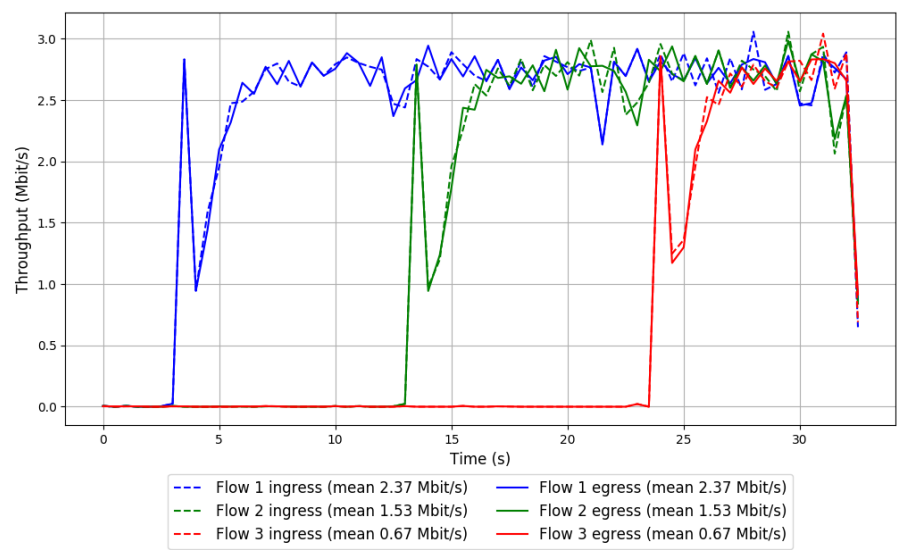
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 14.934 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-27 16:56:49

End at: 2018-01-27 16:57:19

Local clock offset: -4.019 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 13.344 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 13.443 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.52 Mbit/s

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

Loss rate: 0.00%

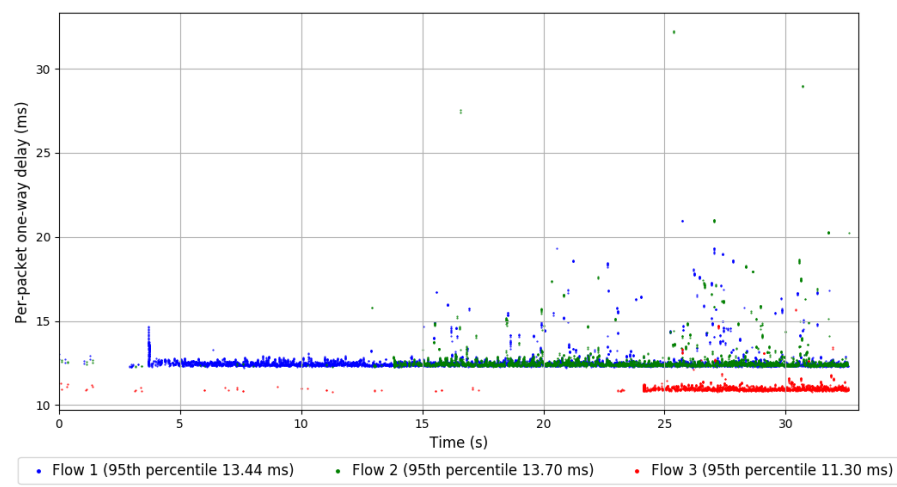
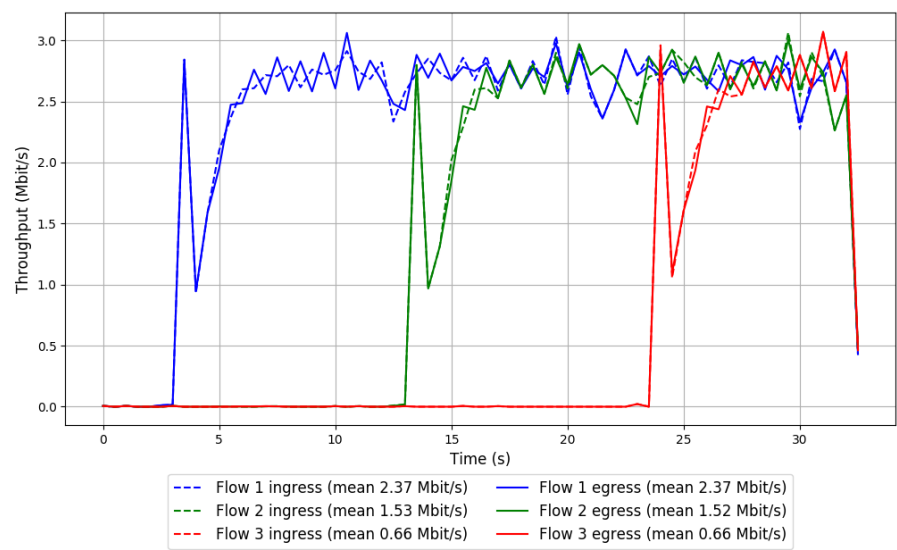
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 11.305 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-27 09:02:15

End at: 2018-01-27 09:02:45

Local clock offset: -2.102 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.95 Mbit/s

95th percentile per-packet one-way delay: 18.082 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 18.317 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 17.548 ms

Loss rate: 0.00%

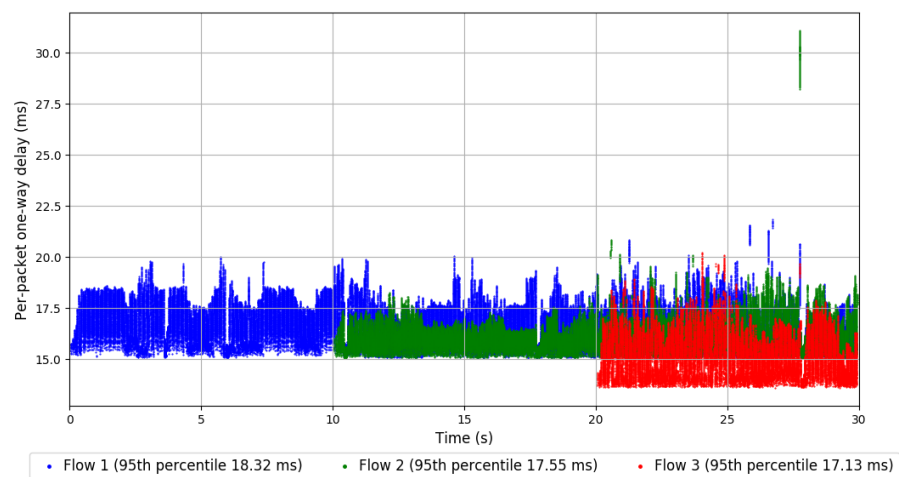
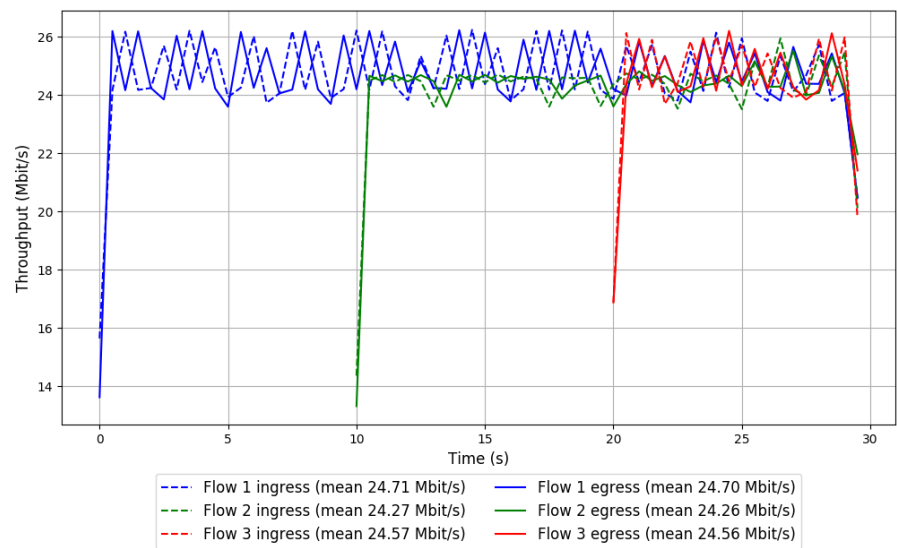
-- Flow 3:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 17.132 ms

Loss rate: 0.01%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-27 09:52:53

End at: 2018-01-27 09:53:23

Local clock offset: -3.629 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 17.505 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 17.575 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 17.525 ms

Loss rate: 0.01%

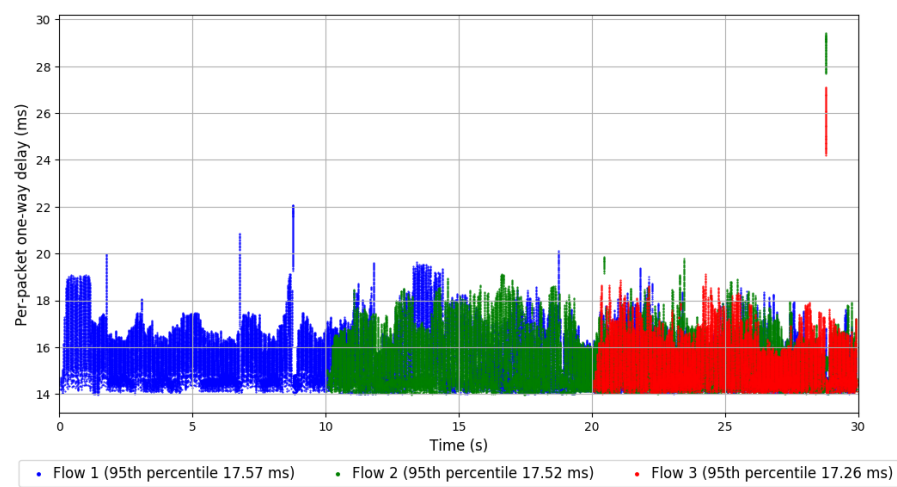
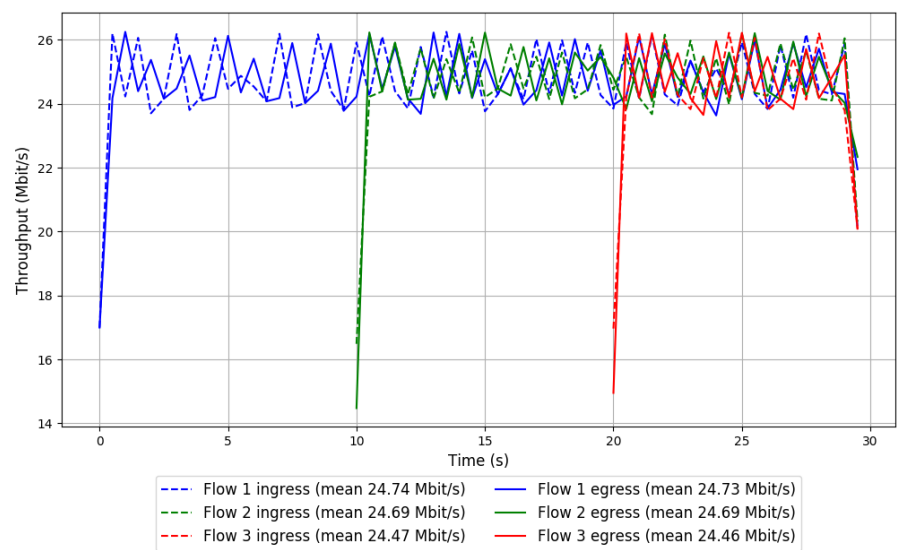
-- Flow 3:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 17.261 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-27 10:43:34

End at: 2018-01-27 10:44:04

Local clock offset: -3.822 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.21 Mbit/s

95th percentile per-packet one-way delay: 16.548 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 16.525 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 16.758 ms

Loss rate: 0.00%

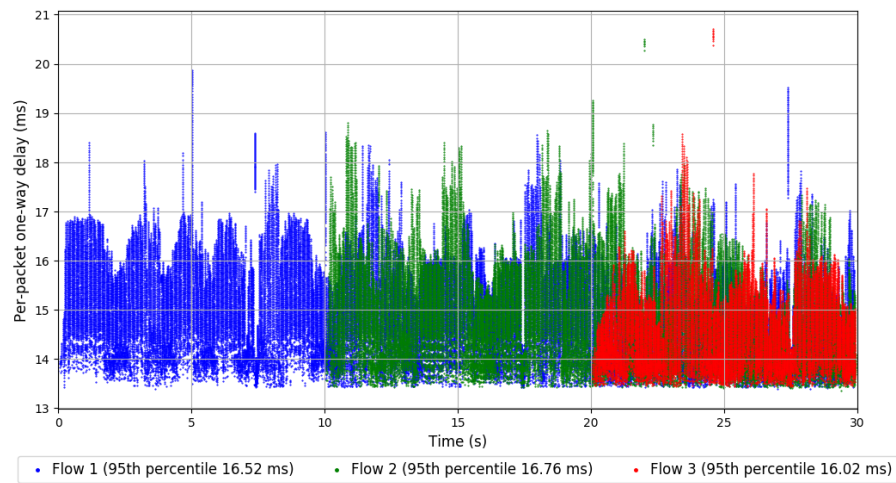
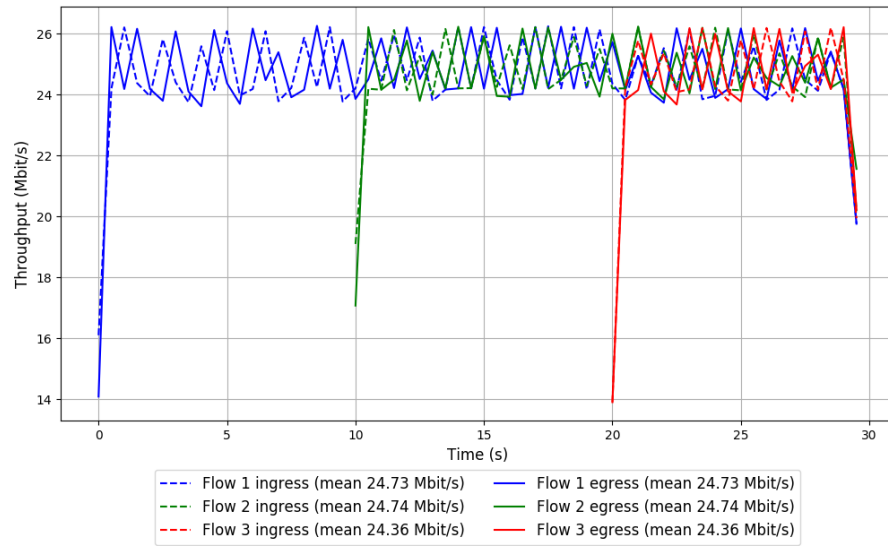
-- Flow 3:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 16.015 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-27 11:34:18

End at: 2018-01-27 11:34:48

Local clock offset: 3.257 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 23.397 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 21.962 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 24.141 ms

Loss rate: 0.00%

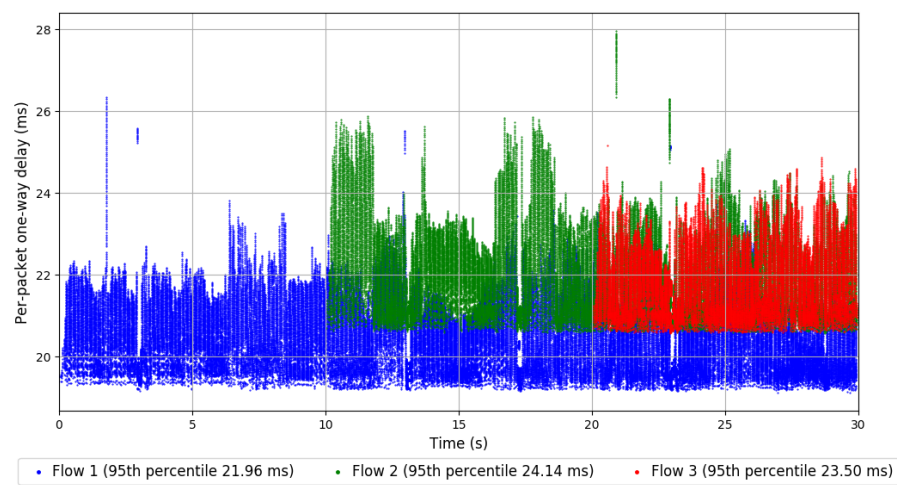
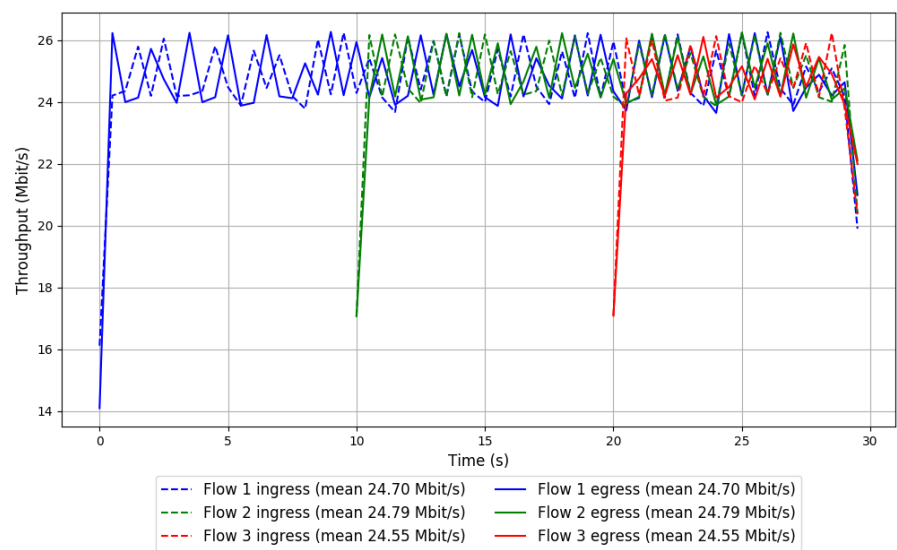
-- Flow 3:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 23.498 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-27 12:25:02

End at: 2018-01-27 12:25:32

Local clock offset: -4.164 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 16.188 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.81 Mbit/s

95th percentile per-packet one-way delay: 16.511 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 15.472 ms

Loss rate: 0.00%

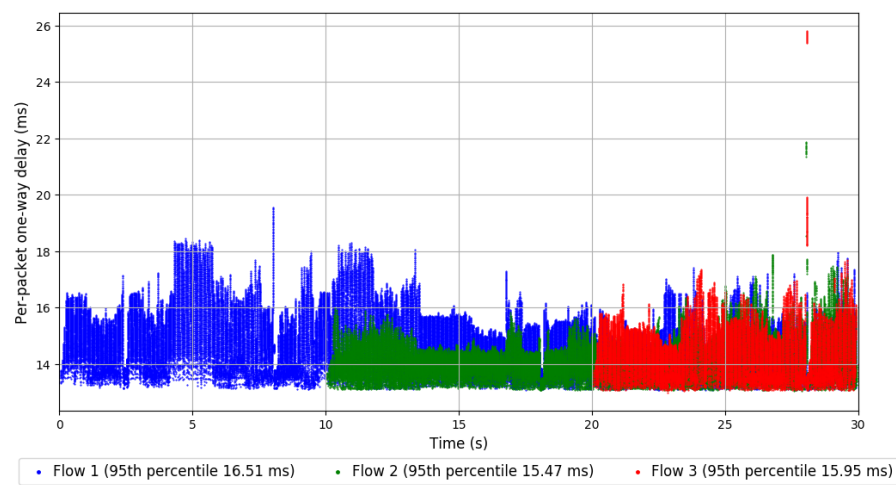
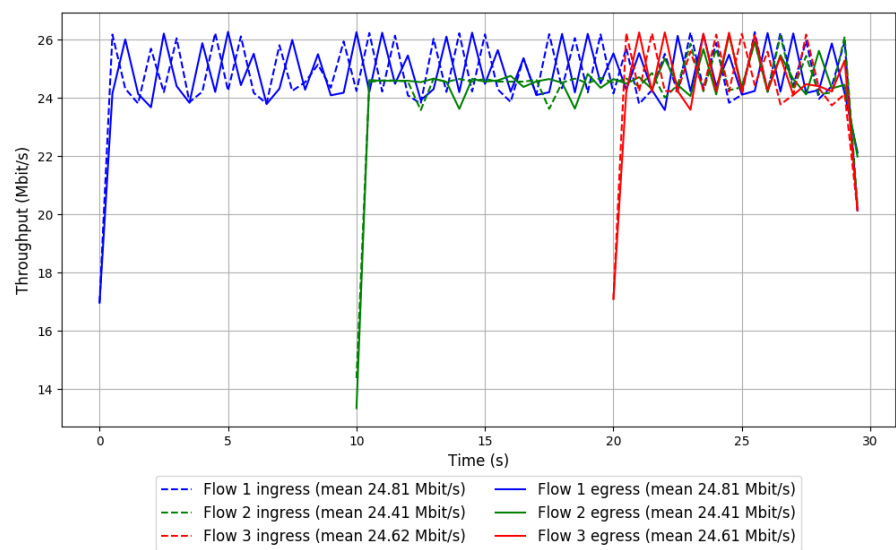
-- Flow 3:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 15.953 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-27 13:15:40

End at: 2018-01-27 13:16:10

Local clock offset: -5.977 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 14.752 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 13.820 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 15.370 ms

Loss rate: 0.06%

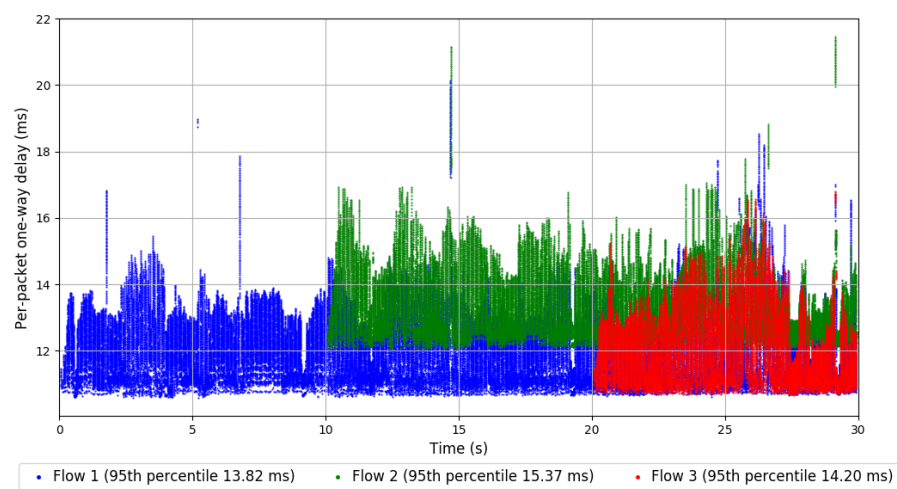
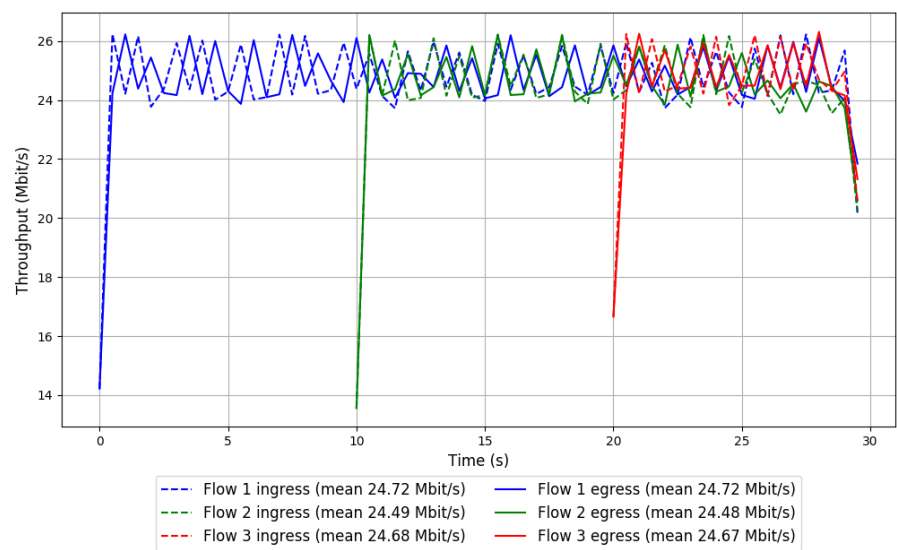
-- Flow 3:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 14.204 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-27 14:06:21

End at: 2018-01-27 14:06:51

Local clock offset: 2.677 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.05 Mbit/s

95th percentile per-packet one-way delay: 23.335 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 23.518 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 23.250 ms

Loss rate: 0.00%

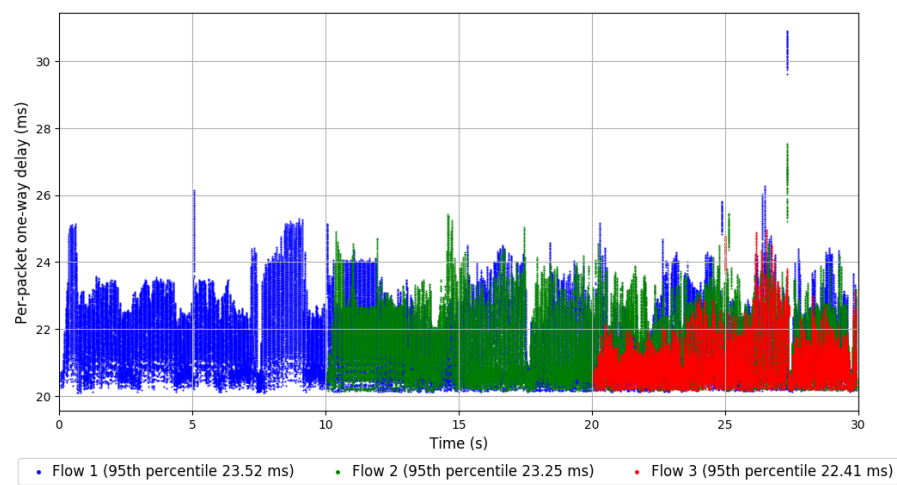
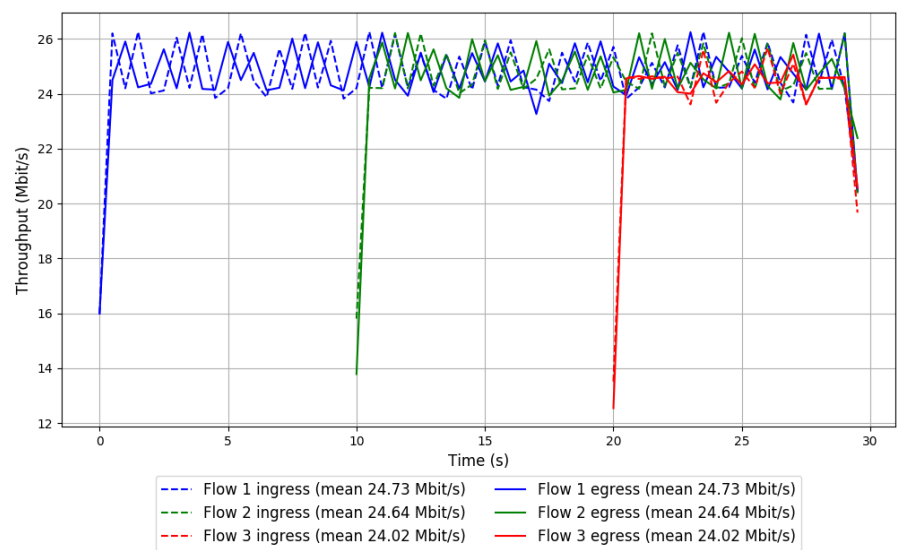
-- Flow 3:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 22.407 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-27 14:56:42

End at: 2018-01-27 14:57:12

Local clock offset: 3.136 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.84 Mbit/s

95th percentile per-packet one-way delay: 23.220 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 24.49 Mbit/s

95th percentile per-packet one-way delay: 22.782 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 23.487 ms

Loss rate: 0.03%

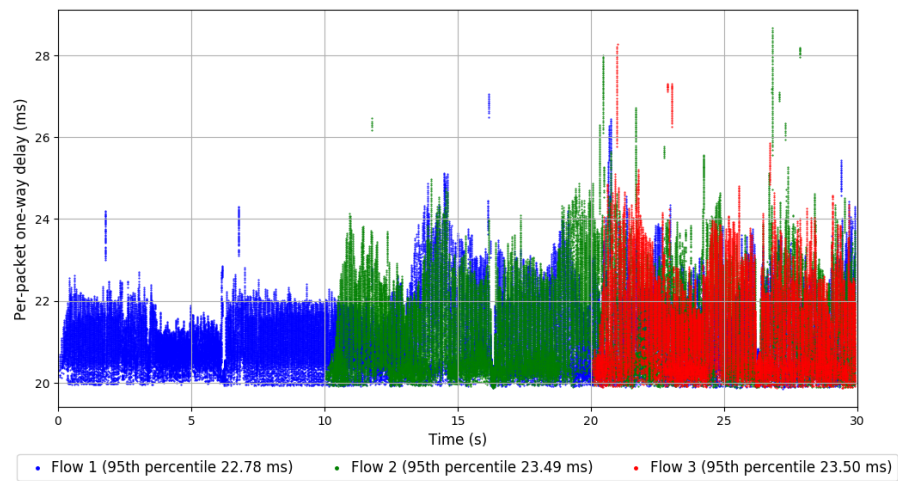
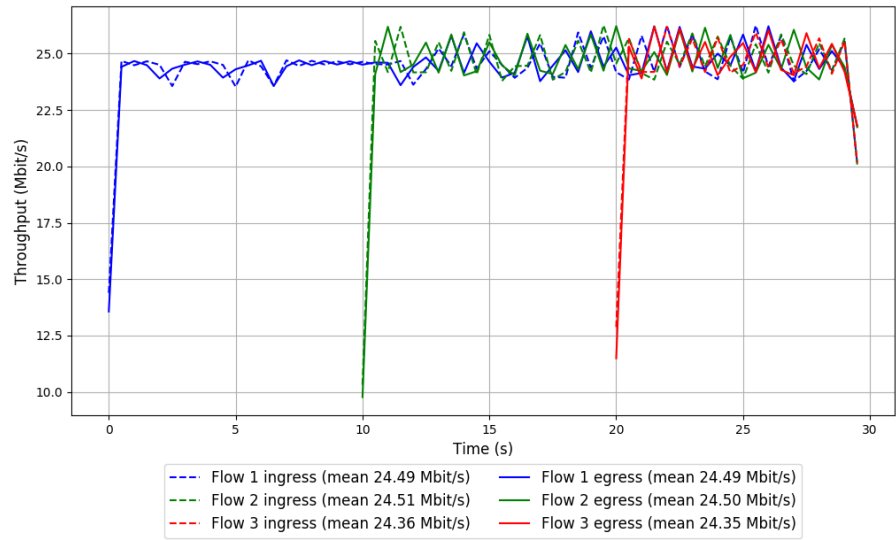
-- Flow 3:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 23.498 ms

Loss rate: 0.02%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-27 15:47:20

End at: 2018-01-27 15:47:50

Local clock offset: -4.391 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 15.402 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 15.528 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 15.256 ms

Loss rate: 0.00%

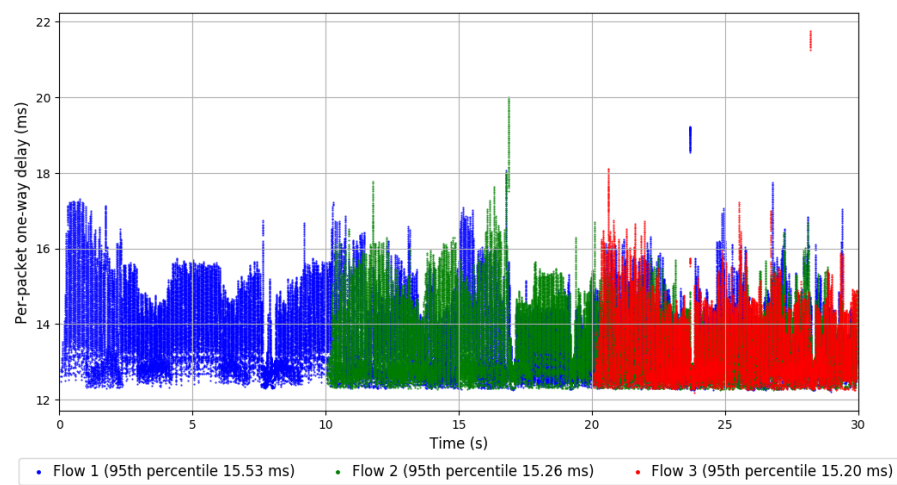
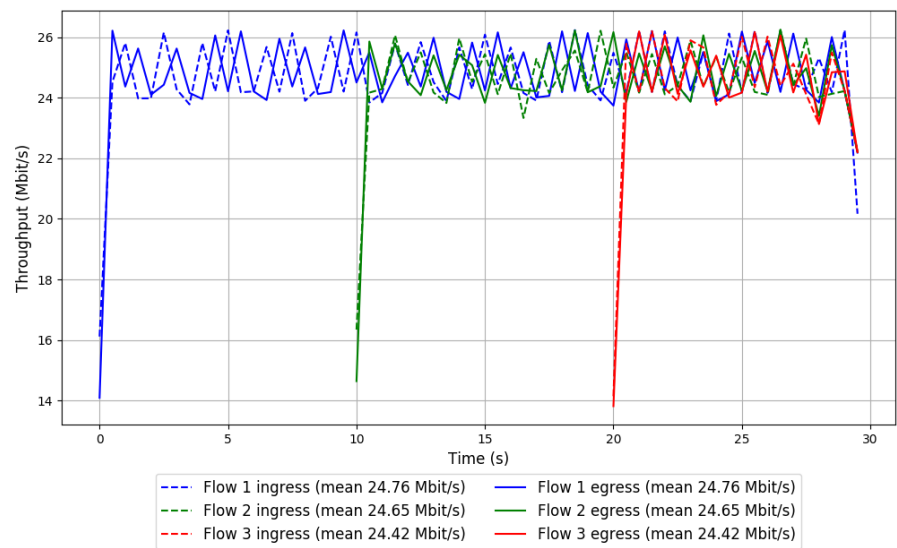
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 15.195 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-27 16:38:03

End at: 2018-01-27 16:38:33

Local clock offset: -4.595 ms

Below is generated by plot.py at 2018-01-27 19:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.10 Mbit/s

95th percentile per-packet one-way delay: 14.909 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 15.048 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 13.999 ms

Loss rate: 0.04%

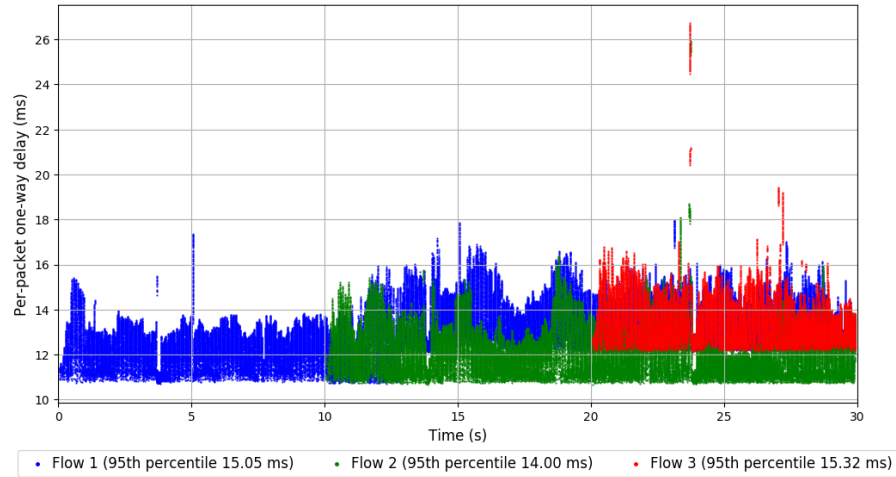
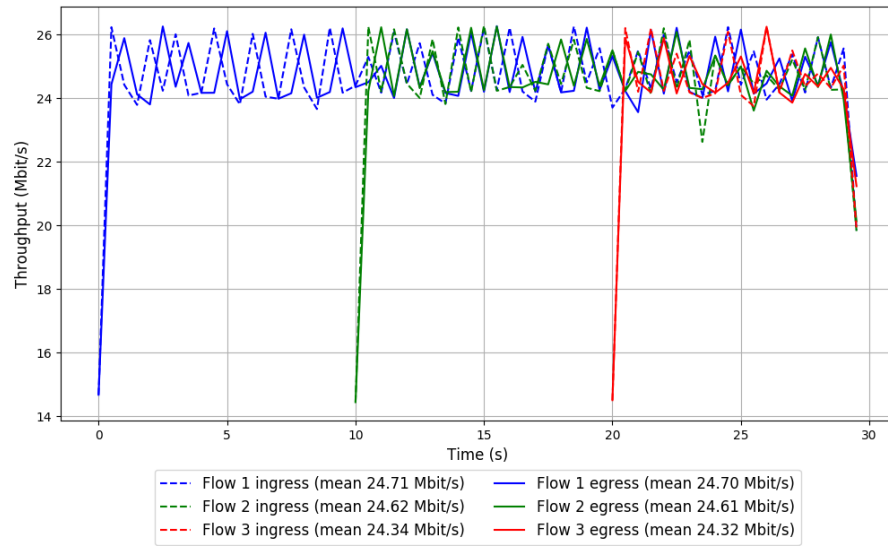
-- Flow 3:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 15.318 ms

Loss rate: 0.09%

Run 10: Report of Sprout — Data Link

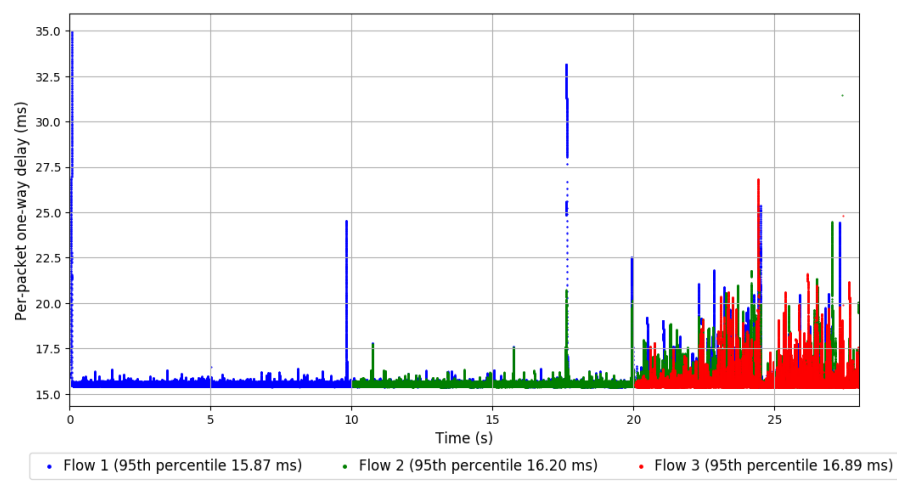
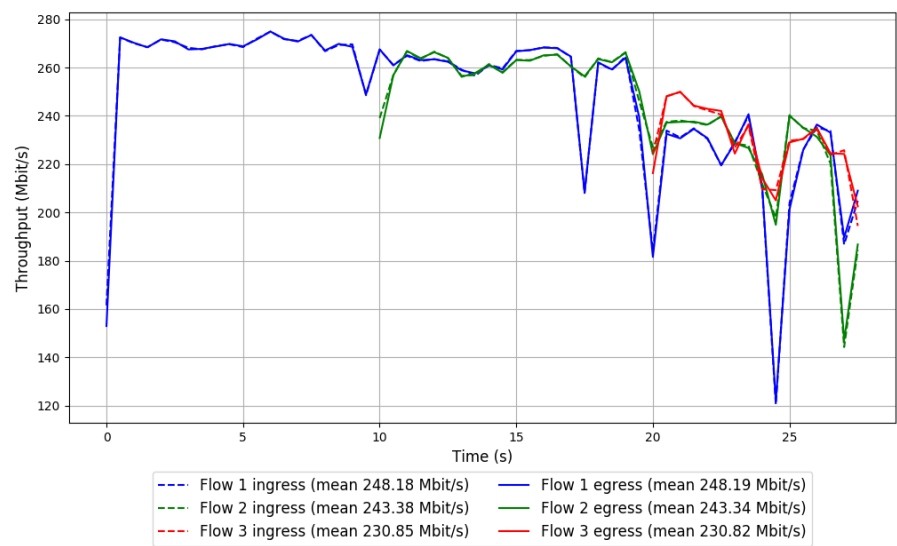


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-27 08:55:41
End at: 2018-01-27 08:56:11
Local clock offset: -1.631 ms

# Below is generated by plot.py at 2018-01-27 19:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.07 Mbit/s
95th percentile per-packet one-way delay: 16.120 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 248.19 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 243.34 Mbit/s
95th percentile per-packet one-way delay: 16.198 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 230.82 Mbit/s
95th percentile per-packet one-way delay: 16.895 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-27 09:46:20

End at: 2018-01-27 09:46:50

Local clock offset: -4.613 ms

Below is generated by plot.py at 2018-01-27 19:52:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 469.43 Mbit/s

95th percentile per-packet one-way delay: 13.975 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 246.57 Mbit/s

95th percentile per-packet one-way delay: 13.539 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 247.79 Mbit/s

95th percentile per-packet one-way delay: 14.035 ms

Loss rate: 0.01%

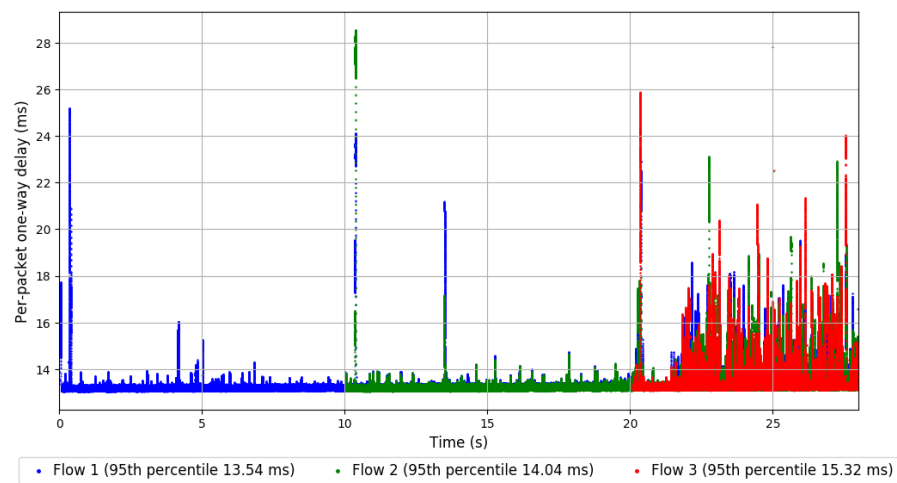
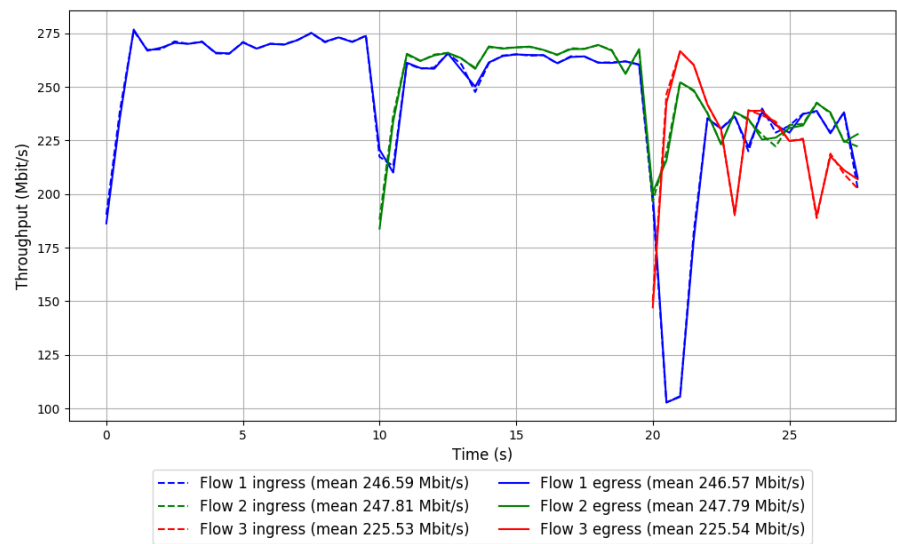
-- Flow 3:

Average throughput: 225.54 Mbit/s

95th percentile per-packet one-way delay: 15.325 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-27 10:37:02

End at: 2018-01-27 10:37:32

Local clock offset: -3.684 ms

Below is generated by plot.py at 2018-01-27 19:52:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.26 Mbit/s

95th percentile per-packet one-way delay: 13.881 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 248.75 Mbit/s

95th percentile per-packet one-way delay: 13.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 204.68 Mbit/s

95th percentile per-packet one-way delay: 12.528 ms

Loss rate: 0.00%

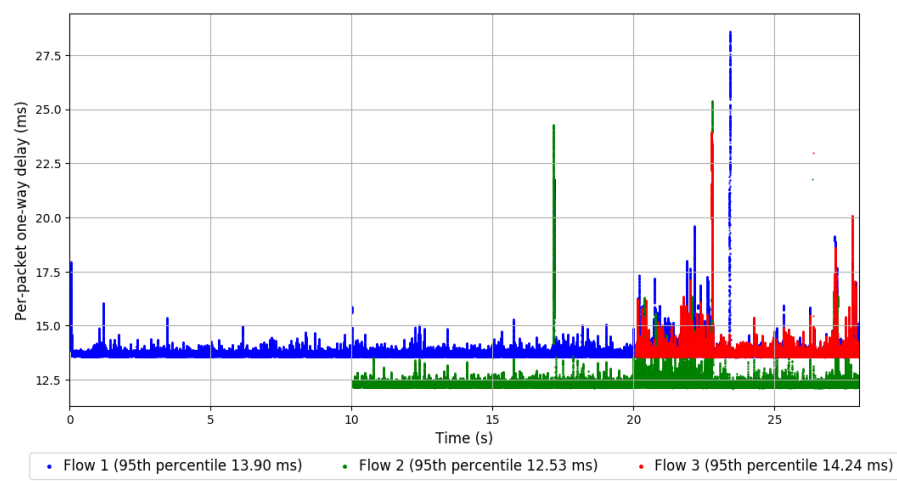
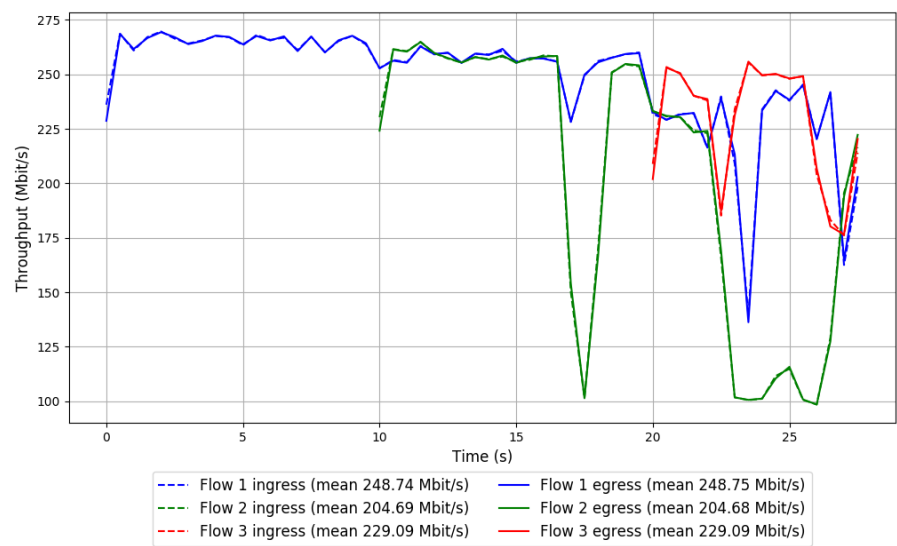
-- Flow 3:

Average throughput: 229.09 Mbit/s

95th percentile per-packet one-way delay: 14.244 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-27 11:27:46

End at: 2018-01-27 11:28:16

Local clock offset: 3.546 ms

Below is generated by plot.py at 2018-01-27 19:52:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 453.73 Mbit/s

95th percentile per-packet one-way delay: 21.344 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 237.27 Mbit/s

95th percentile per-packet one-way delay: 19.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 243.94 Mbit/s

95th percentile per-packet one-way delay: 21.568 ms

Loss rate: 0.01%

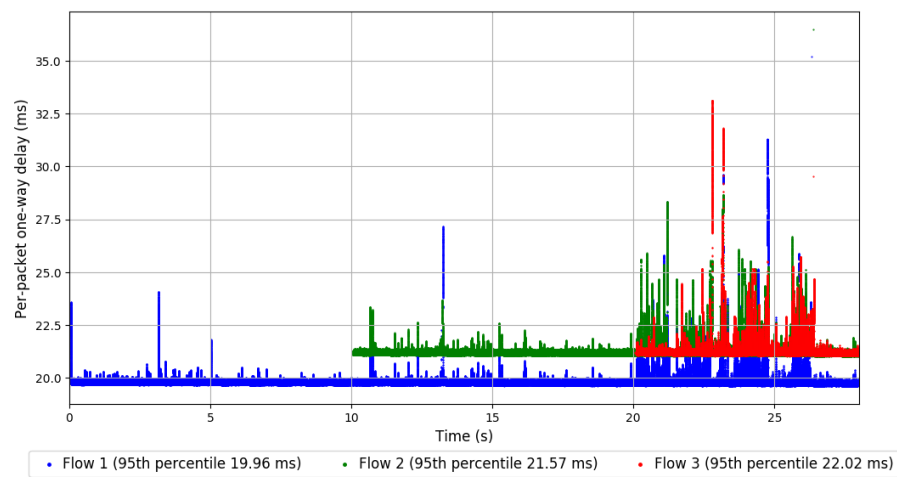
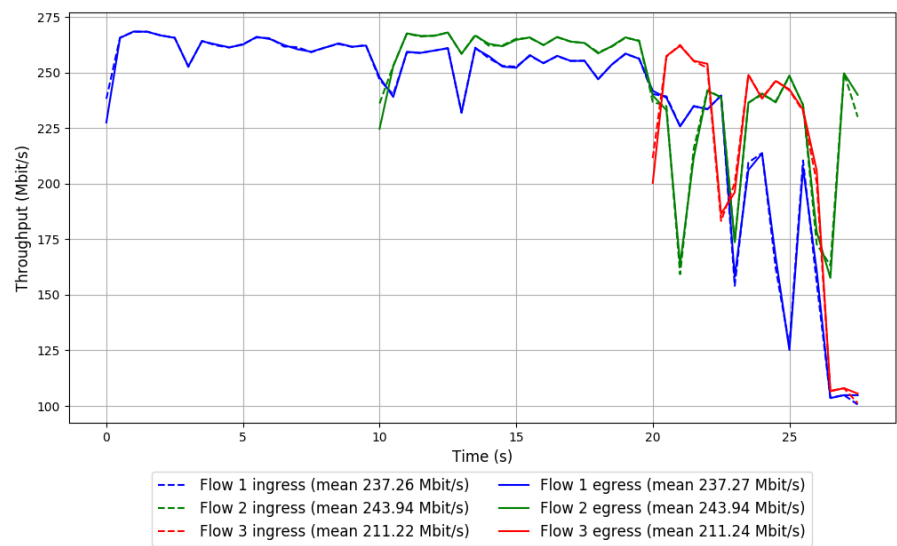
-- Flow 3:

Average throughput: 211.24 Mbit/s

95th percentile per-packet one-way delay: 22.022 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-27 12:18:29

End at: 2018-01-27 12:18:59

Local clock offset: -3.019 ms

Below is generated by plot.py at 2018-01-27 19:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.42 Mbit/s

95th percentile per-packet one-way delay: 14.859 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 245.42 Mbit/s

95th percentile per-packet one-way delay: 14.519 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 240.27 Mbit/s

95th percentile per-packet one-way delay: 14.841 ms

Loss rate: 0.00%

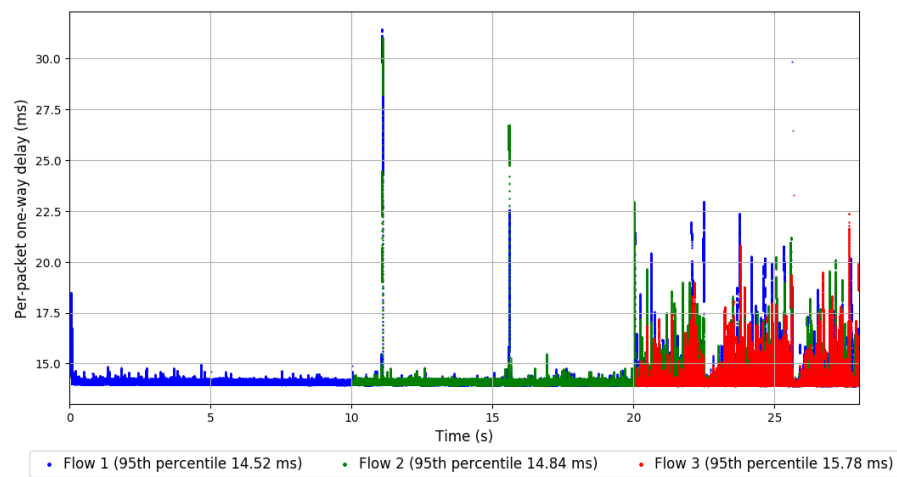
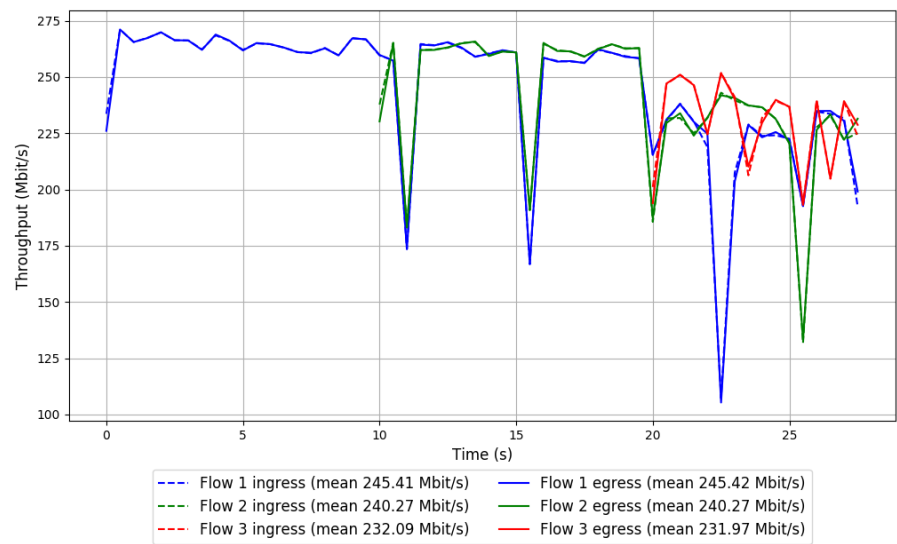
-- Flow 3:

Average throughput: 231.97 Mbit/s

95th percentile per-packet one-way delay: 15.782 ms

Loss rate: 0.05%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-27 13:09:08

End at: 2018-01-27 13:09:38

Local clock offset: -7.265 ms

Below is generated by plot.py at 2018-01-27 19:53:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.32 Mbit/s

95th percentile per-packet one-way delay: 10.692 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 252.61 Mbit/s

95th percentile per-packet one-way delay: 10.303 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 242.42 Mbit/s

95th percentile per-packet one-way delay: 10.670 ms

Loss rate: 0.00%

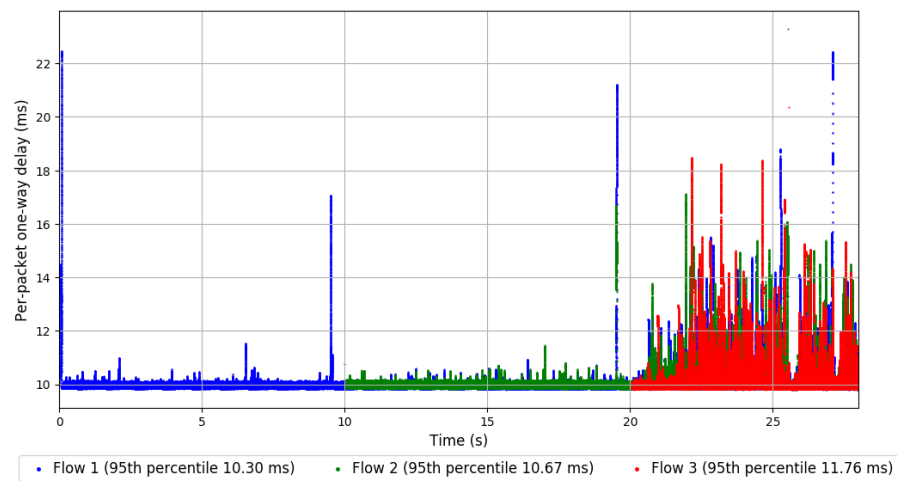
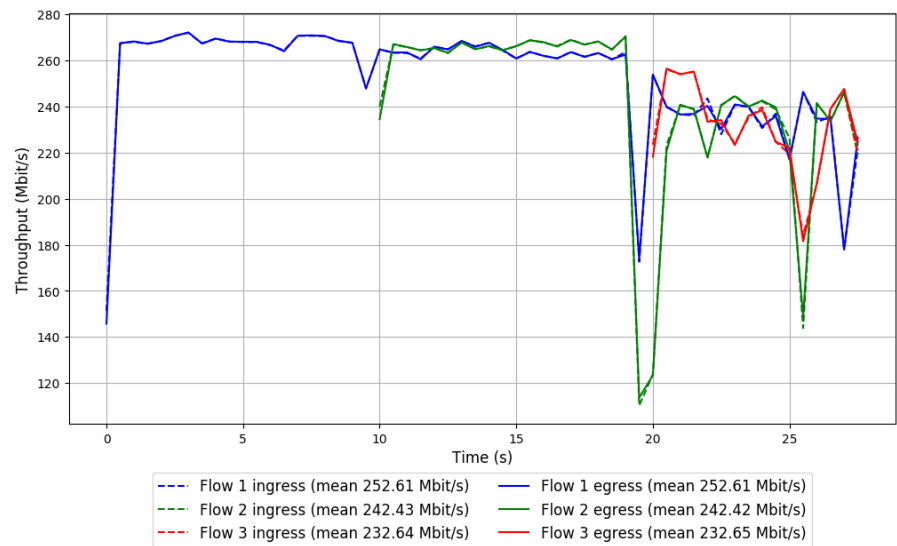
-- Flow 3:

Average throughput: 232.65 Mbit/s

95th percentile per-packet one-way delay: 11.761 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-27 13:59:47

End at: 2018-01-27 14:00:17

Local clock offset: 1.627 ms

Below is generated by plot.py at 2018-01-27 20:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 476.76 Mbit/s

95th percentile per-packet one-way delay: 19.879 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 256.14 Mbit/s

95th percentile per-packet one-way delay: 19.801 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 243.69 Mbit/s

95th percentile per-packet one-way delay: 18.608 ms

Loss rate: 0.00%

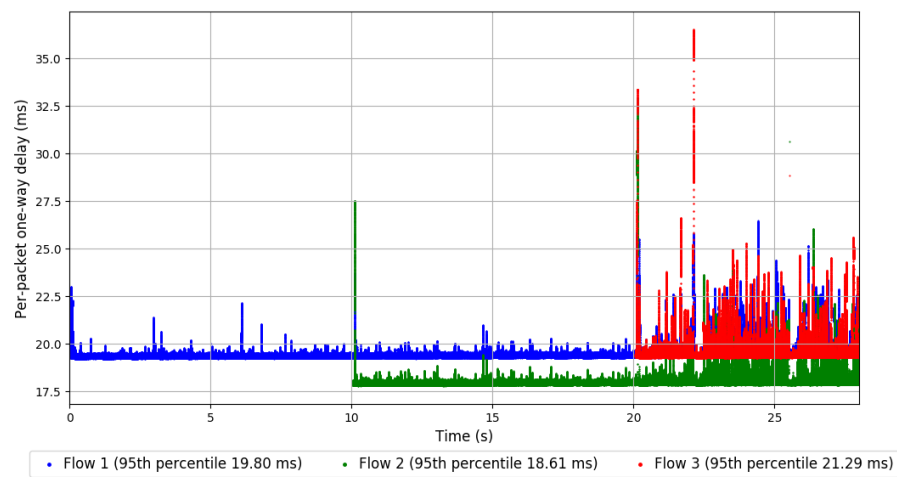
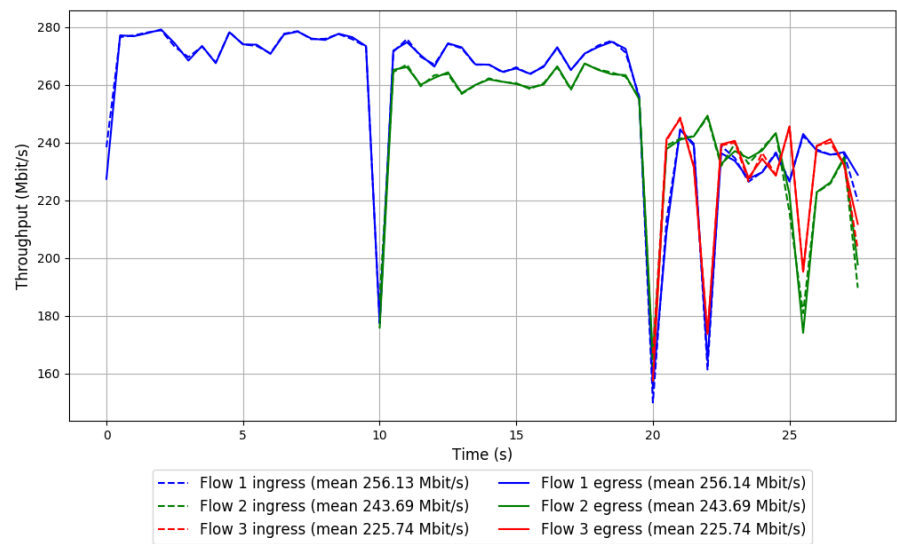
-- Flow 3:

Average throughput: 225.74 Mbit/s

95th percentile per-packet one-way delay: 21.285 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-27 14:50:07

End at: 2018-01-27 14:50:37

Local clock offset: 3.541 ms

Below is generated by plot.py at 2018-01-27 20:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.32 Mbit/s

95th percentile per-packet one-way delay: 21.783 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 260.48 Mbit/s

95th percentile per-packet one-way delay: 21.394 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 253.18 Mbit/s

95th percentile per-packet one-way delay: 21.849 ms

Loss rate: 0.00%

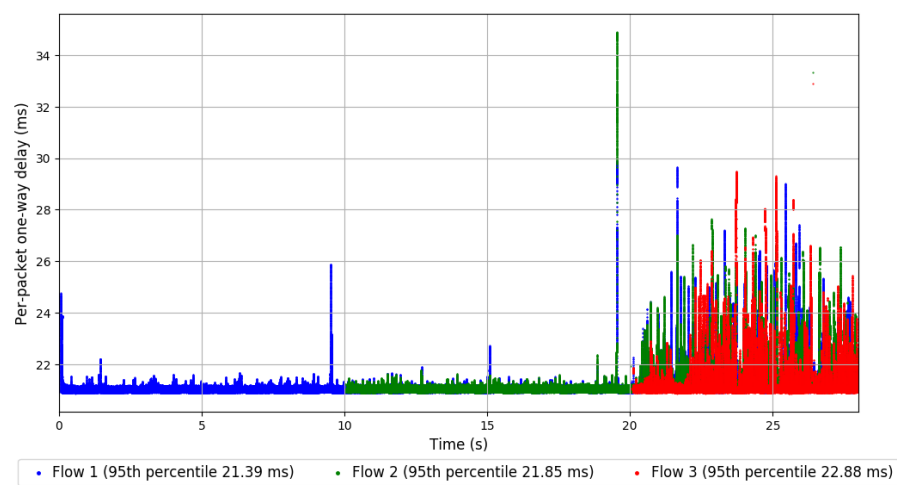
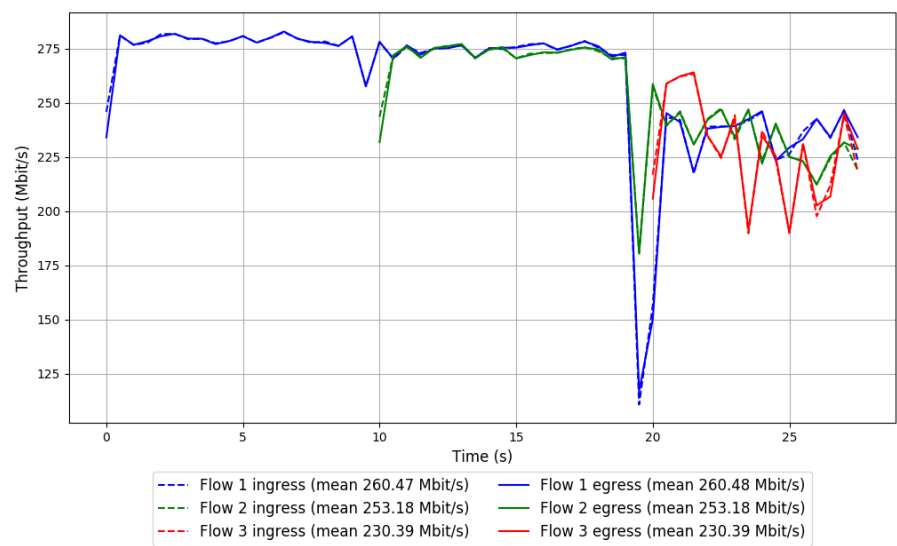
-- Flow 3:

Average throughput: 230.39 Mbit/s

95th percentile per-packet one-way delay: 22.878 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-27 15:40:46

End at: 2018-01-27 15:41:16

Local clock offset: -3.455 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 476.67 Mbit/s

95th percentile per-packet one-way delay: 13.661 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 253.61 Mbit/s

95th percentile per-packet one-way delay: 13.581 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 252.32 Mbit/s

95th percentile per-packet one-way delay: 13.873 ms

Loss rate: 0.00%

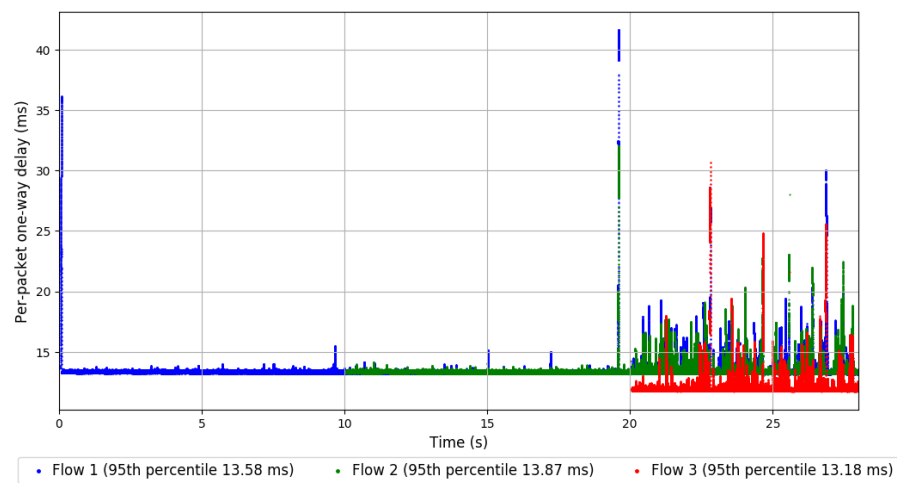
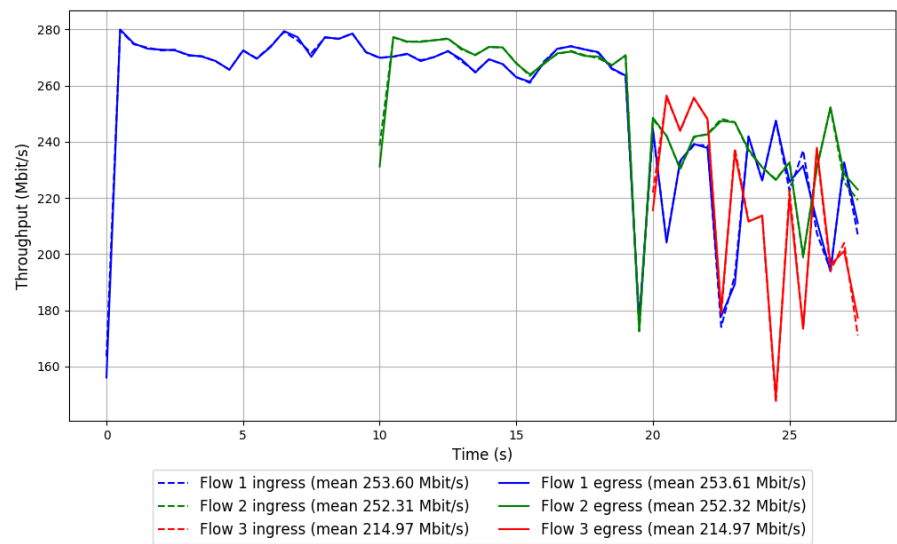
-- Flow 3:

Average throughput: 214.97 Mbit/s

95th percentile per-packet one-way delay: 13.184 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-27 16:31:30

End at: 2018-01-27 16:32:00

Local clock offset: -4.584 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.84 Mbit/s

95th percentile per-packet one-way delay: 12.414 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 237.56 Mbit/s

95th percentile per-packet one-way delay: 12.202 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 239.69 Mbit/s

95th percentile per-packet one-way delay: 12.406 ms

Loss rate: 0.03%

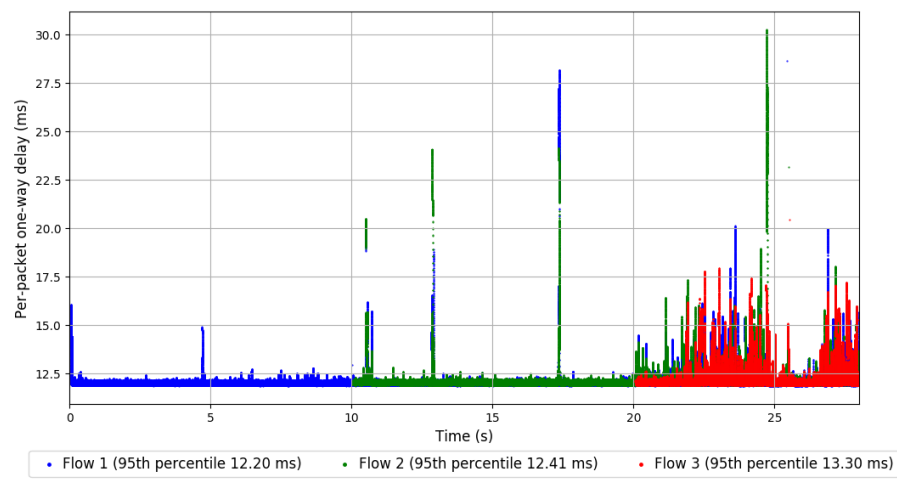
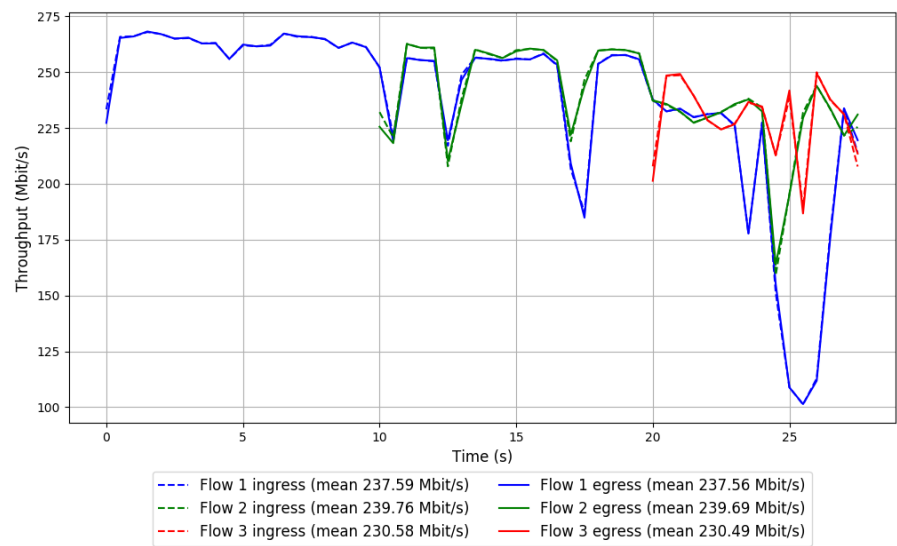
-- Flow 3:

Average throughput: 230.49 Mbit/s

95th percentile per-packet one-way delay: 13.300 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-27 09:14:39

End at: 2018-01-27 09:15:09

Local clock offset: -2.774 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.26 Mbit/s

95th percentile per-packet one-way delay: 14.816 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 154.79 Mbit/s

95th percentile per-packet one-way delay: 14.829 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 112.68 Mbit/s

95th percentile per-packet one-way delay: 13.346 ms

Loss rate: 0.10%

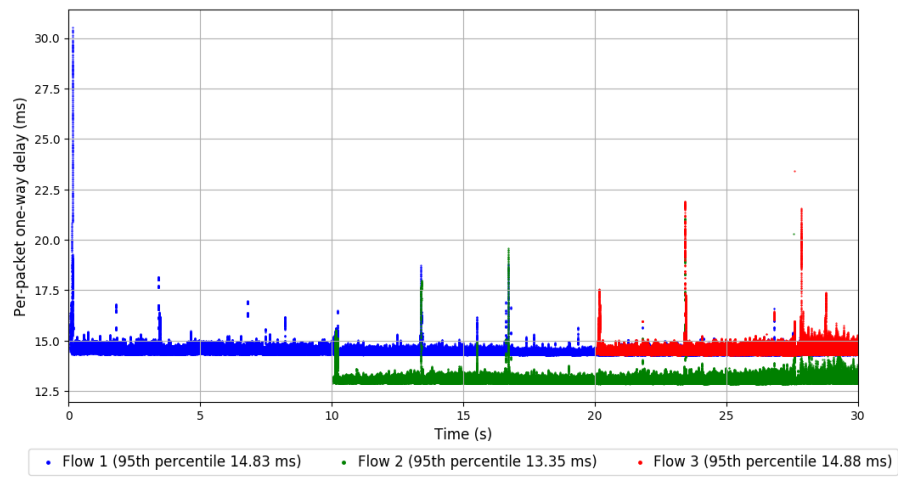
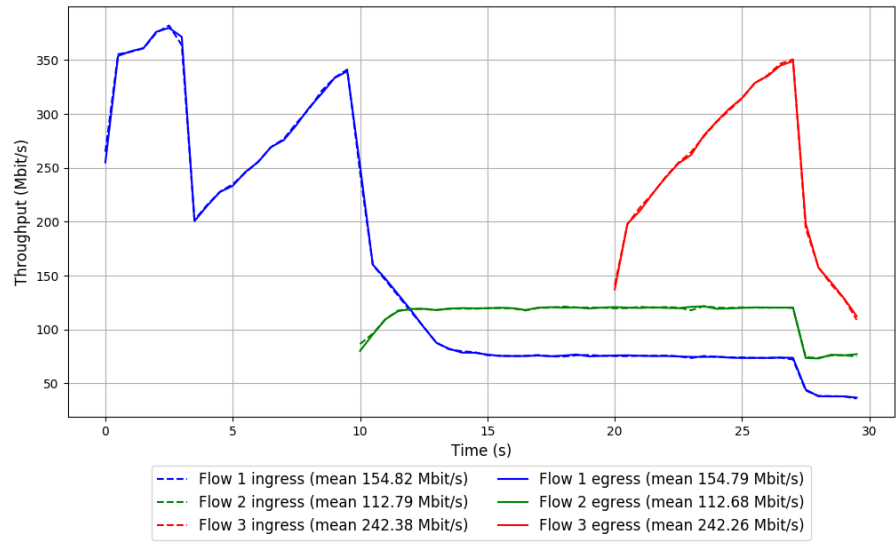
-- Flow 3:

Average throughput: 242.26 Mbit/s

95th percentile per-packet one-way delay: 14.883 ms

Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-27 10:05:18

End at: 2018-01-27 10:05:49

Local clock offset: -2.8 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.78 Mbit/s

95th percentile per-packet one-way delay: 15.106 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 169.44 Mbit/s

95th percentile per-packet one-way delay: 13.753 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 15.075 ms

Loss rate: 0.04%

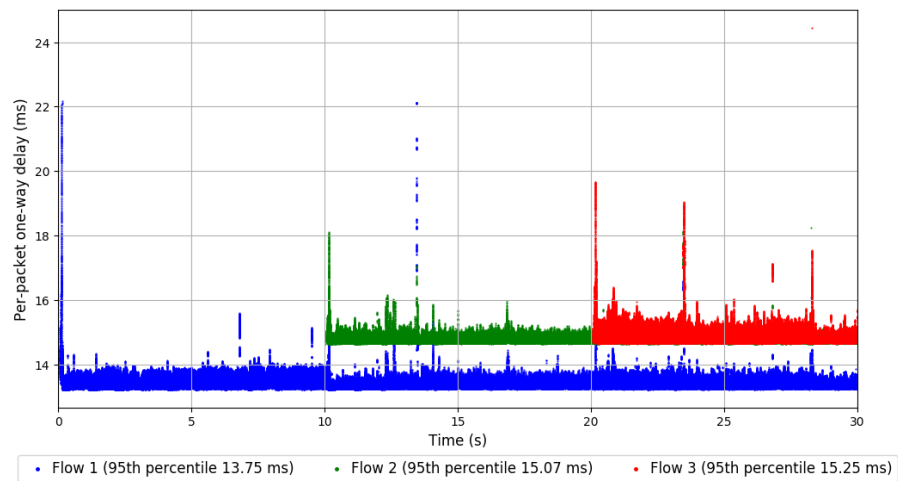
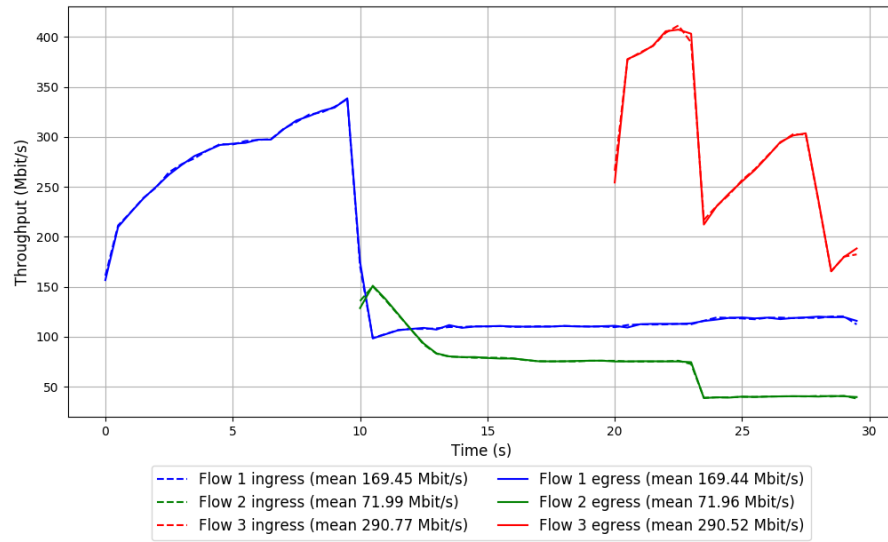
-- Flow 3:

Average throughput: 290.52 Mbit/s

95th percentile per-packet one-way delay: 15.247 ms

Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-27 10:56:00

End at: 2018-01-27 10:56:30

Local clock offset: -3.667 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 344.59 Mbit/s

95th percentile per-packet one-way delay: 14.237 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 230.79 Mbit/s

95th percentile per-packet one-way delay: 14.190 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 101.34 Mbit/s

95th percentile per-packet one-way delay: 14.211 ms

Loss rate: 0.07%

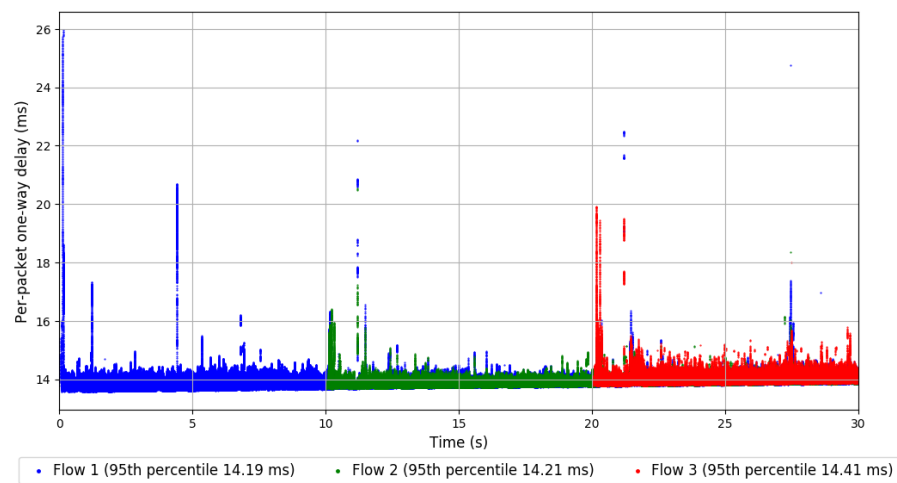
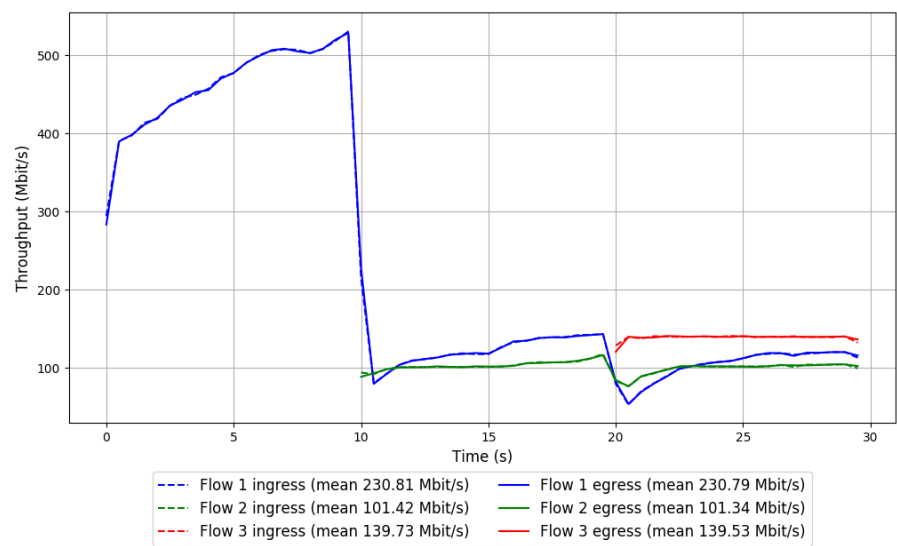
-- Flow 3:

Average throughput: 139.53 Mbit/s

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

Loss rate: 0.14%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-27 11:46:43

End at: 2018-01-27 11:47:13

Local clock offset: 2.928 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.00 Mbit/s

95th percentile per-packet one-way delay: 21.122 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 200.58 Mbit/s

95th percentile per-packet one-way delay: 21.125 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 218.93 Mbit/s

95th percentile per-packet one-way delay: 21.110 ms

Loss rate: 0.04%

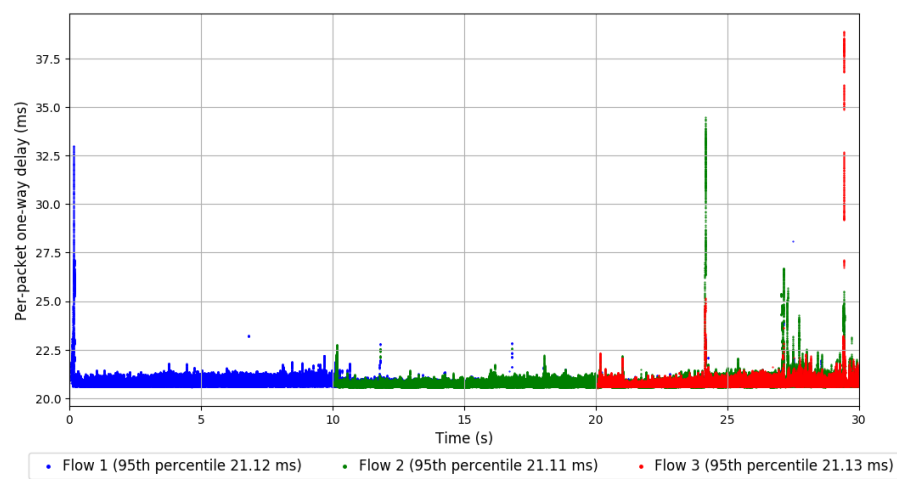
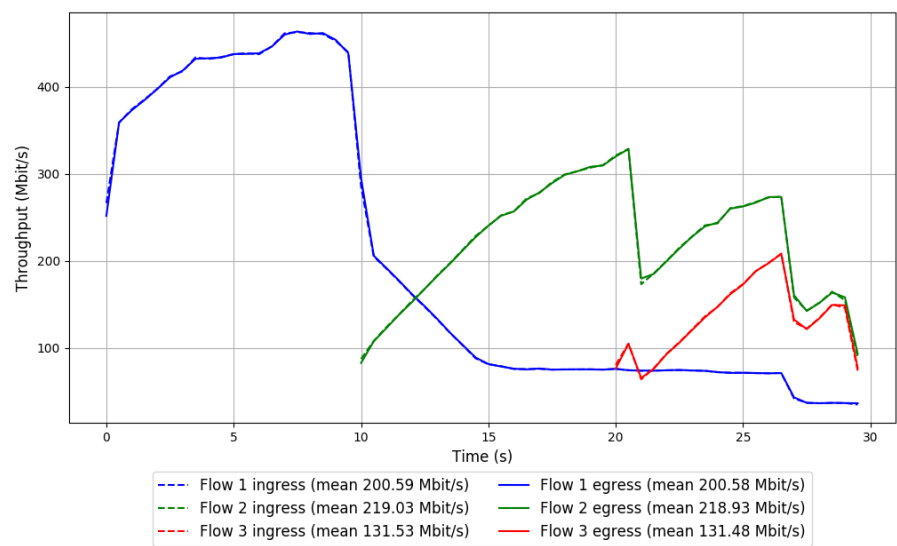
-- Flow 3:

Average throughput: 131.48 Mbit/s

95th percentile per-packet one-way delay: 21.127 ms

Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-27 12:37:25

End at: 2018-01-27 12:37:55

Local clock offset: -5.346 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.66 Mbit/s

95th percentile per-packet one-way delay: 12.532 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 157.02 Mbit/s

95th percentile per-packet one-way delay: 12.539 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 180.82 Mbit/s

95th percentile per-packet one-way delay: 12.582 ms

Loss rate: 0.10%

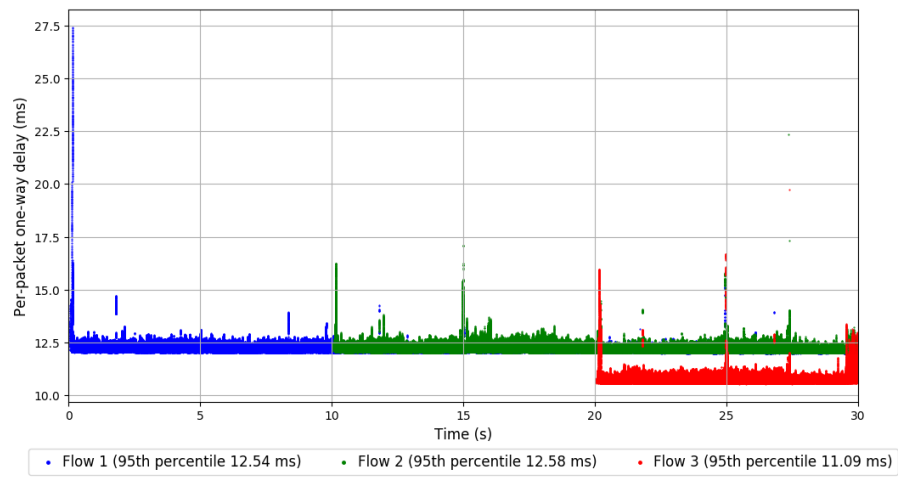
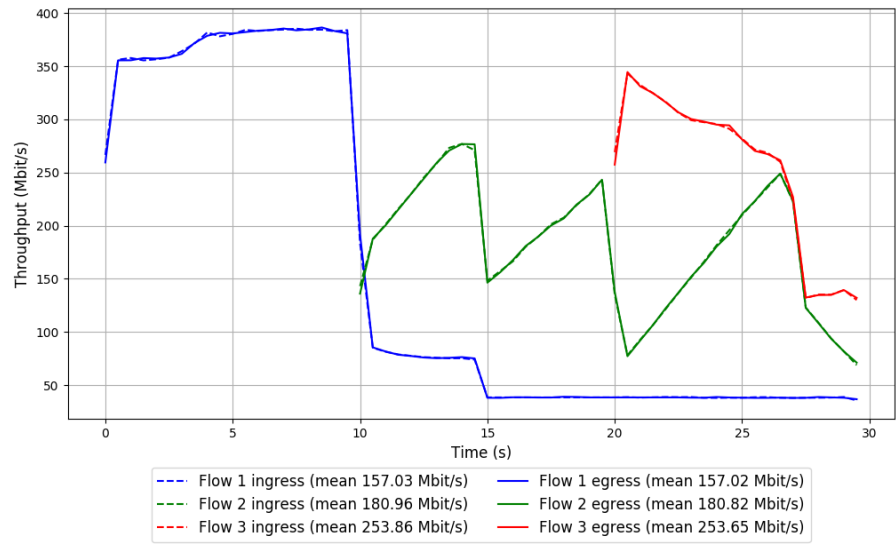
-- Flow 3:

Average throughput: 253.65 Mbit/s

95th percentile per-packet one-way delay: 11.090 ms

Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-27 13:28:05

End at: 2018-01-27 13:28:35

Local clock offset: -3.654 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.53 Mbit/s

95th percentile per-packet one-way delay: 14.173 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 105.38 Mbit/s

95th percentile per-packet one-way delay: 14.273 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 201.16 Mbit/s

95th percentile per-packet one-way delay: 12.798 ms

Loss rate: 0.06%

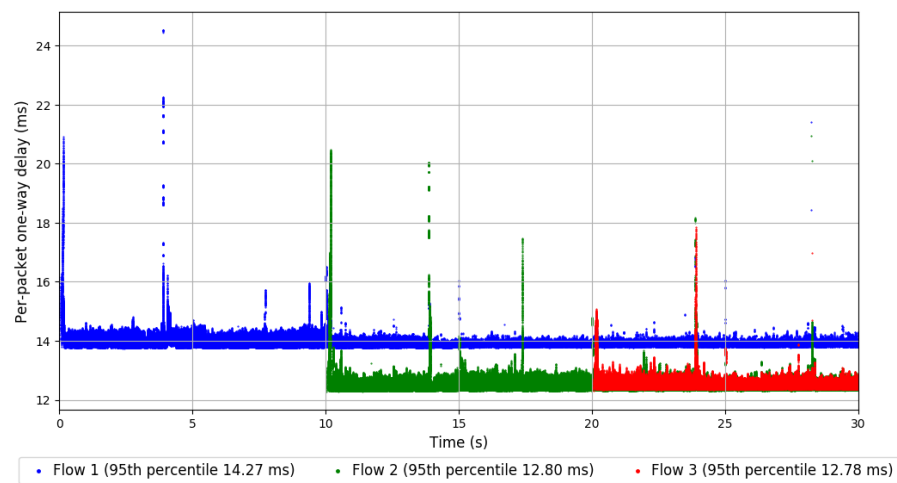
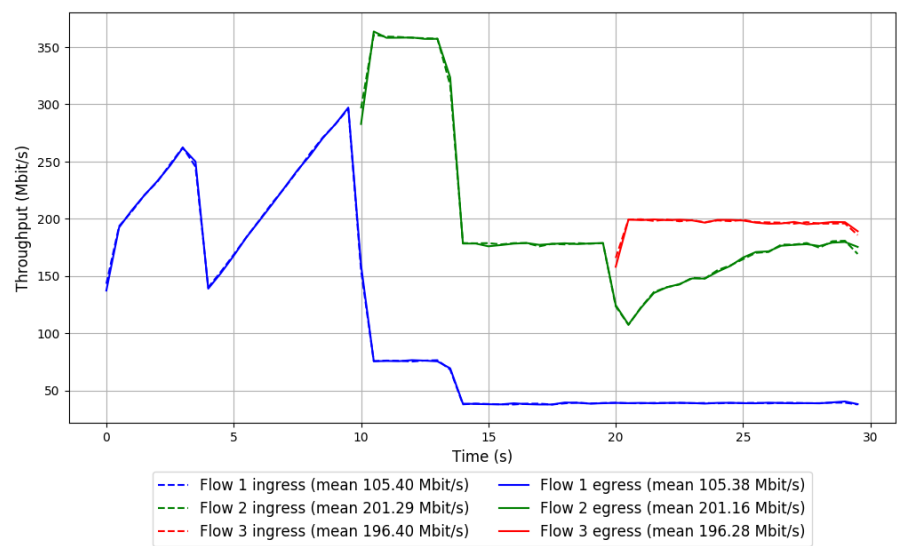
-- Flow 3:

Average throughput: 196.28 Mbit/s

95th percentile per-packet one-way delay: 12.776 ms

Loss rate: 0.06%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-27 14:18:23

End at: 2018-01-27 14:18:53

Local clock offset: 3.846 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.11 Mbit/s

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

Loss rate: 0.03%

-- Flow 1:

Average throughput: 222.03 Mbit/s

95th percentile per-packet one-way delay: 21.677 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 63.86 Mbit/s

95th percentile per-packet one-way delay: 21.505 ms

Loss rate: 0.10%

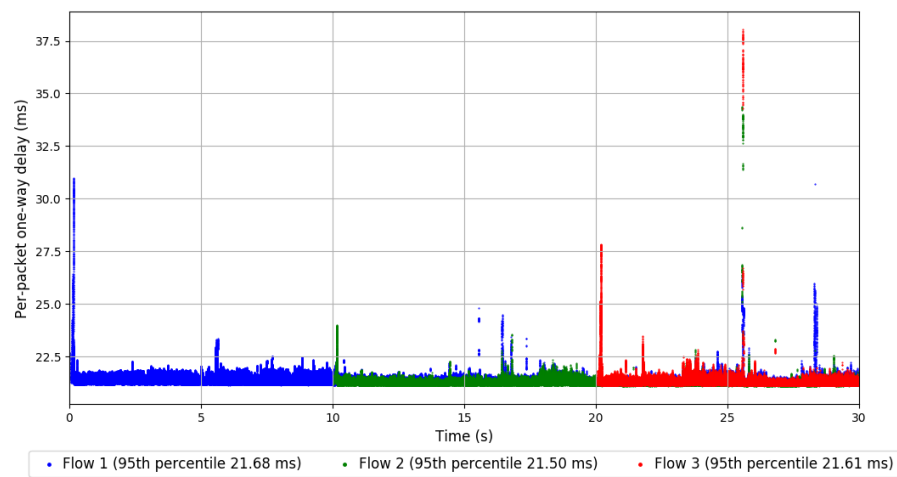
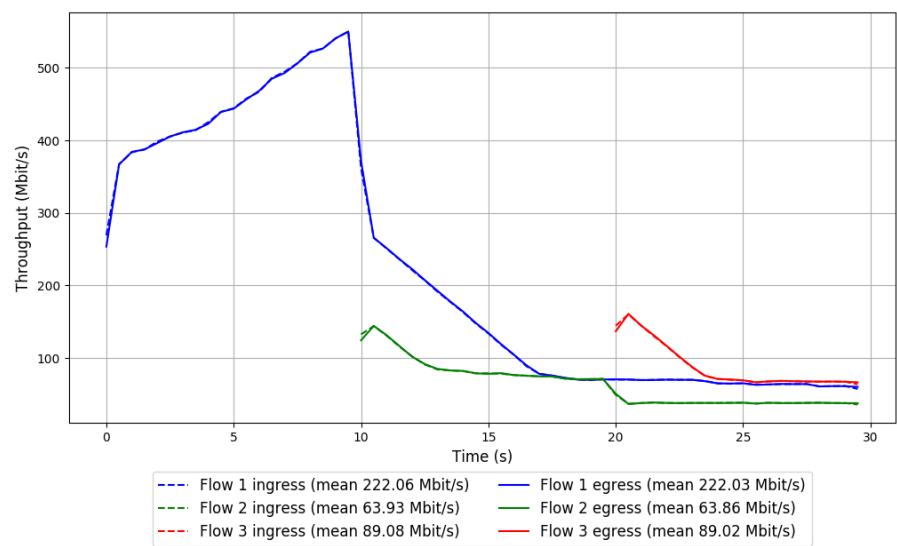
-- Flow 3:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 21.612 ms

Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-27 15:09:04

End at: 2018-01-27 15:09:34

Local clock offset: 1.668 ms

Below is generated by plot.py at 2018-01-27 20:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.54 Mbit/s

95th percentile per-packet one-way delay: 19.144 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 178.41 Mbit/s

95th percentile per-packet one-way delay: 17.754 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 188.21 Mbit/s

95th percentile per-packet one-way delay: 19.236 ms

Loss rate: 0.02%

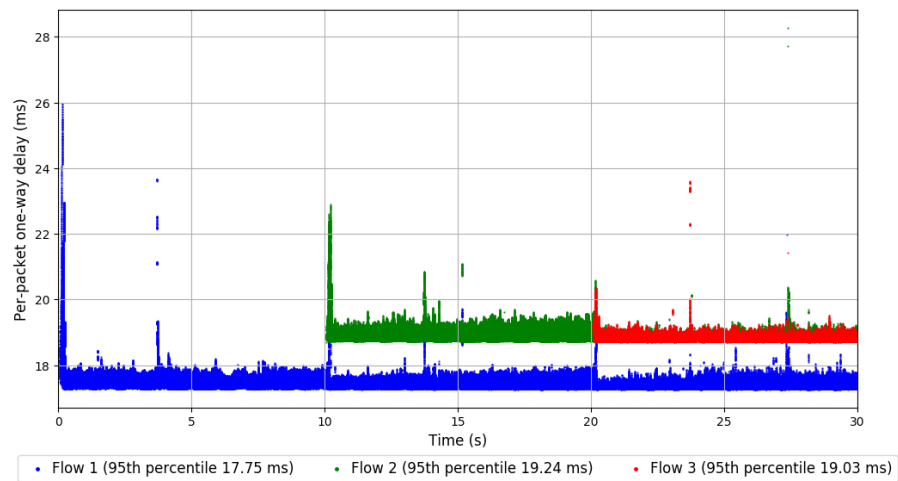
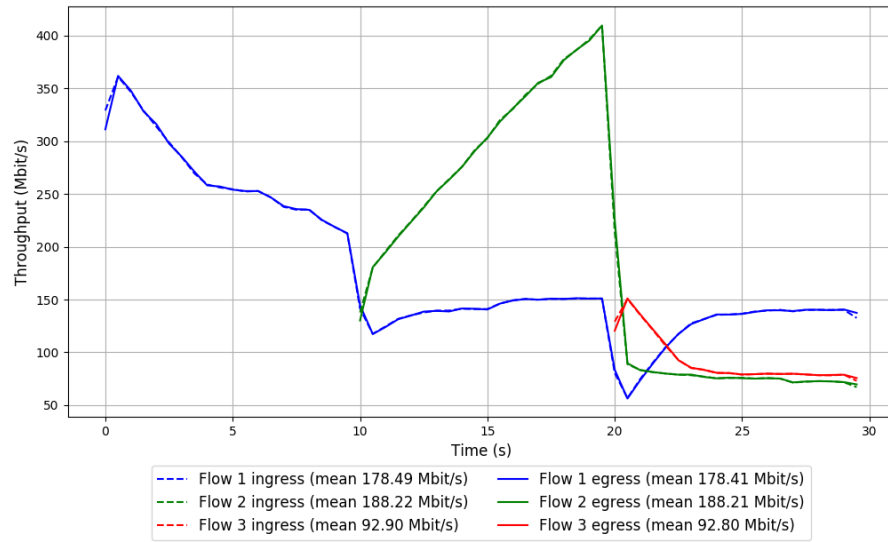
-- Flow 3:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 19.026 ms

Loss rate: 0.14%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-27 15:59:46

End at: 2018-01-27 16:00:16

Local clock offset: -5.85 ms

Below is generated by plot.py at 2018-01-27 20:05:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.67 Mbit/s

95th percentile per-packet one-way delay: 11.387 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 211.44 Mbit/s

95th percentile per-packet one-way delay: 11.400 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 138.04 Mbit/s

95th percentile per-packet one-way delay: 11.361 ms

Loss rate: 0.01%

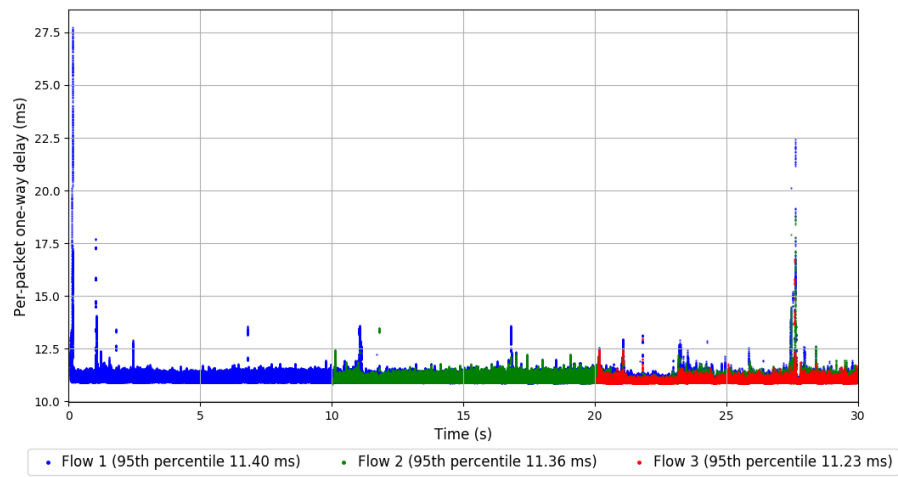
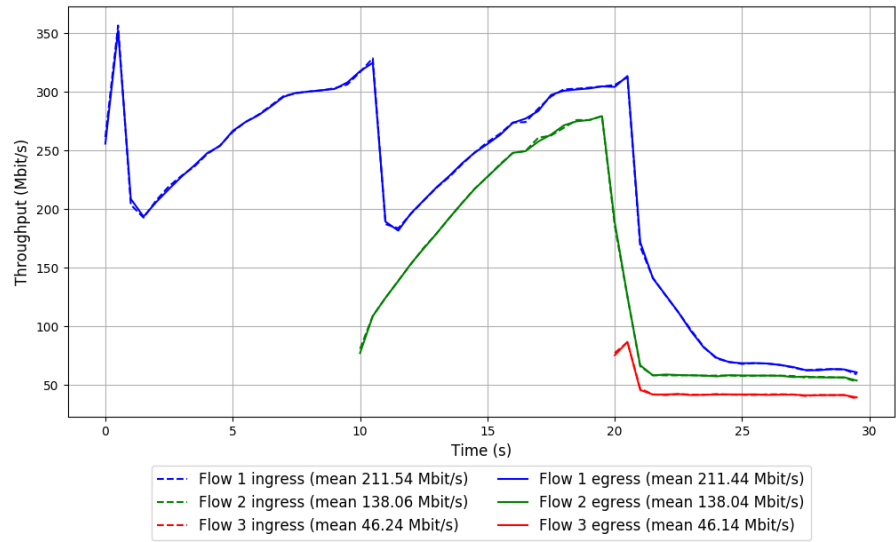
-- Flow 3:

Average throughput: 46.14 Mbit/s

95th percentile per-packet one-way delay: 11.229 ms

Loss rate: 0.21%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-27 16:50:27

End at: 2018-01-27 16:50:57

Local clock offset: -4.031 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.30 Mbit/s

95th percentile per-packet one-way delay: 12.898 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 194.66 Mbit/s

95th percentile per-packet one-way delay: 12.934 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 123.71 Mbit/s

95th percentile per-packet one-way delay: 11.316 ms

Loss rate: 0.06%

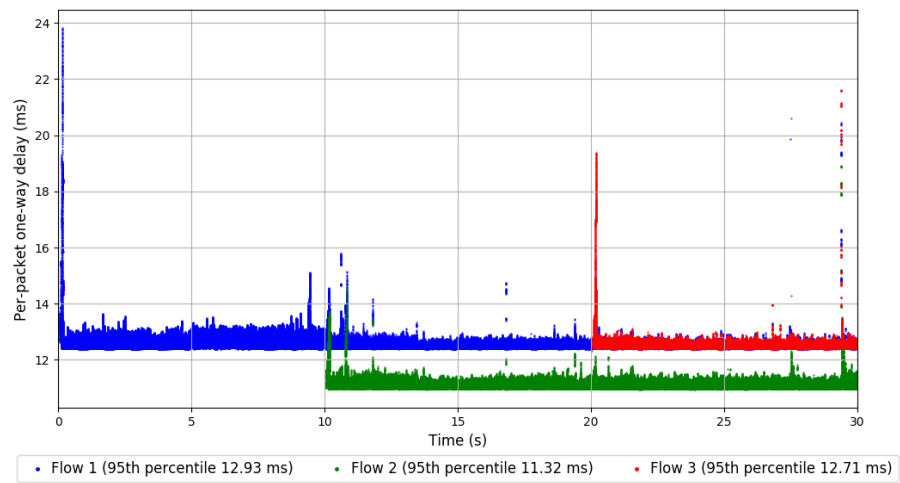
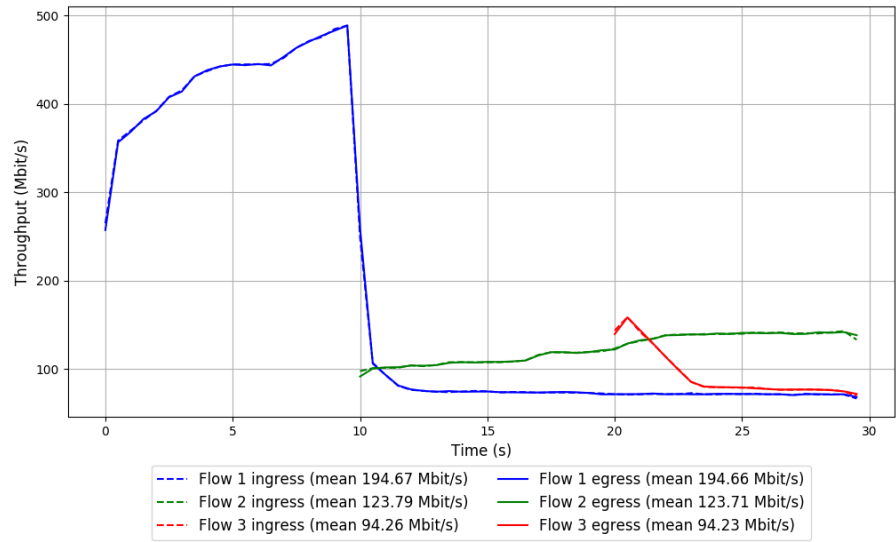
-- Flow 3:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 12.712 ms

Loss rate: 0.03%

Run 10: Report of TCP Vegas — Data Link

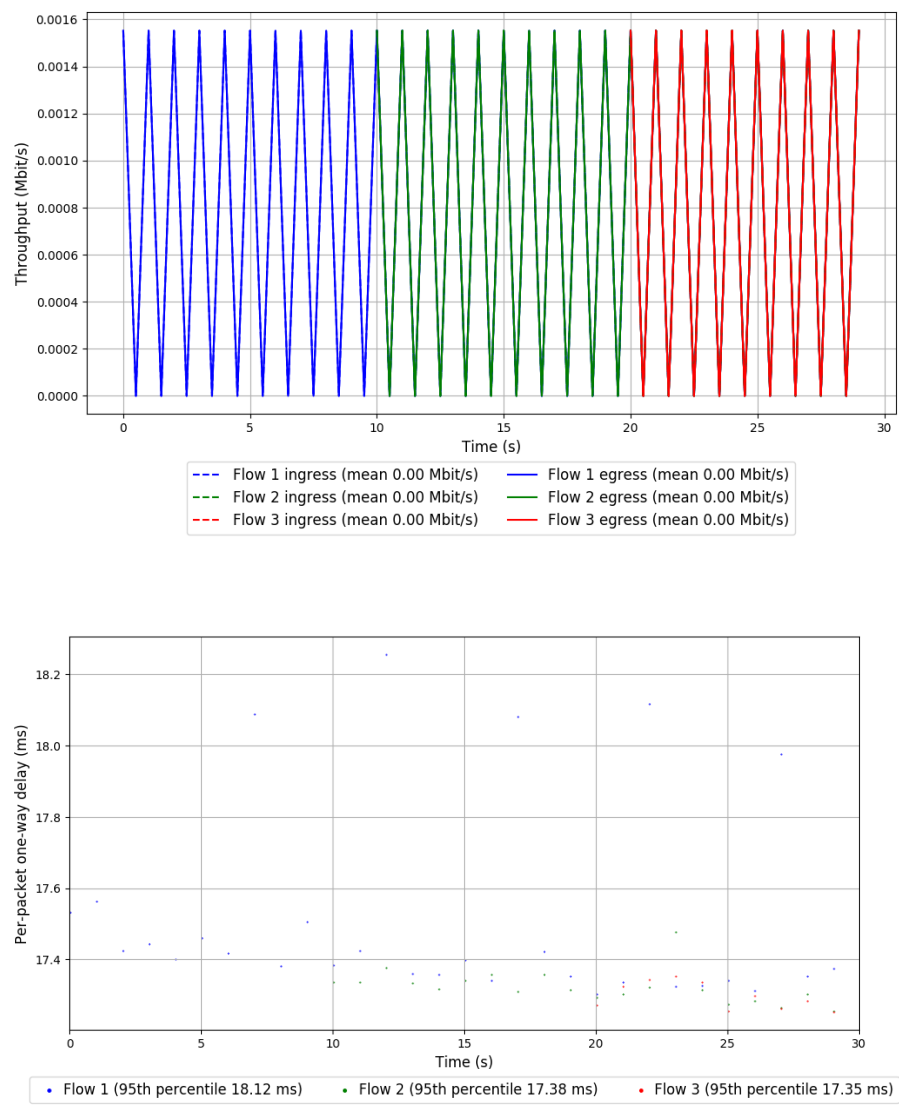


```
Run 1: Statistics of Verus

Start at: 2018-01-27 08:43:23
End at: 2018-01-27 08:43:53
Local clock offset: 0.945 ms

# Below is generated by plot.py at 2018-01-27 20:05:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 18.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 18.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.378 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.354 ms
Loss rate: 0.00%
```


Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-27 09:34:02

End at: 2018-01-27 09:34:32

Local clock offset: -4.322 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.772 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.805 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.187 ms

Loss rate: 0.00%

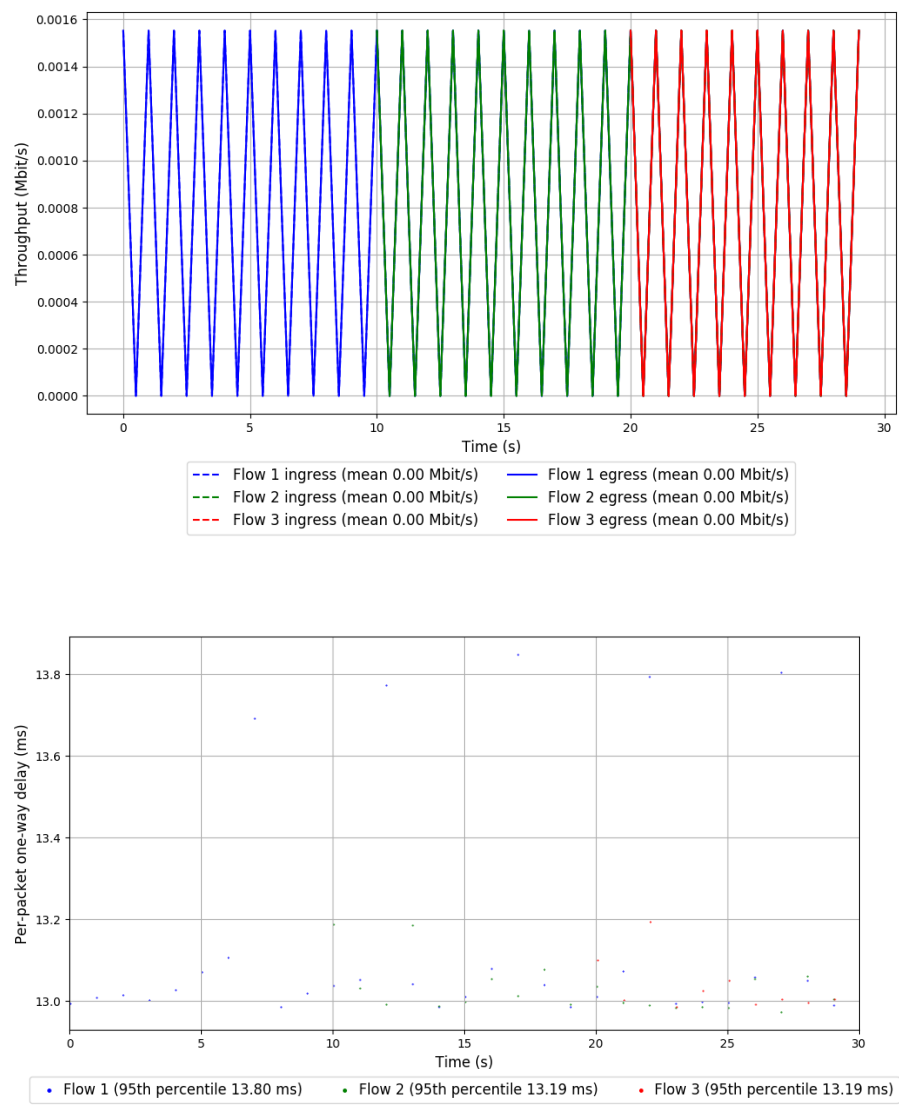
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.194 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-27 10:24:45

End at: 2018-01-27 10:25:15

Local clock offset: -2.901 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.854 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.926 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.151 ms

Loss rate: 0.00%

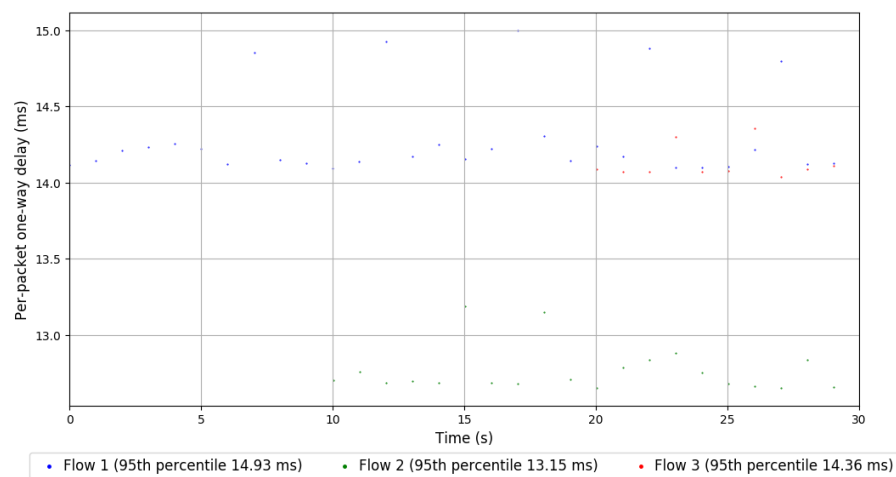
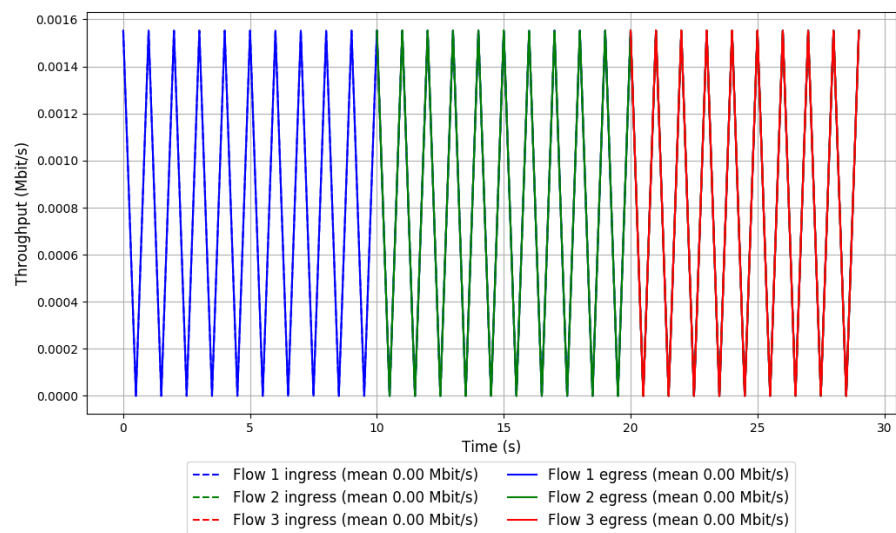
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.357 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-27 11:15:28

End at: 2018-01-27 11:15:58

Local clock offset: 2.418 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.831 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.867 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.168 ms

Loss rate: 0.00%

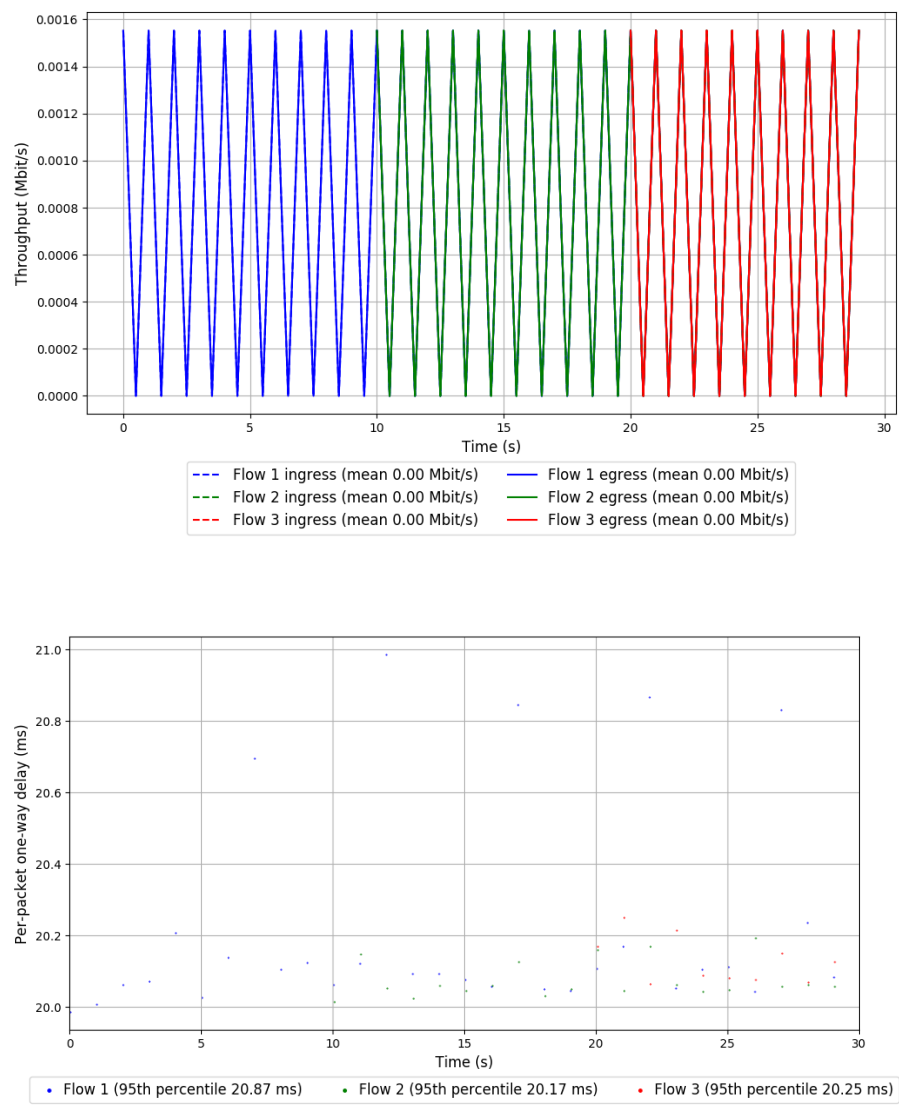
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.250 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-27 12:06:11

End at: 2018-01-27 12:06:41

Local clock offset: 1.514 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.354 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.455 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.653 ms

Loss rate: 0.00%

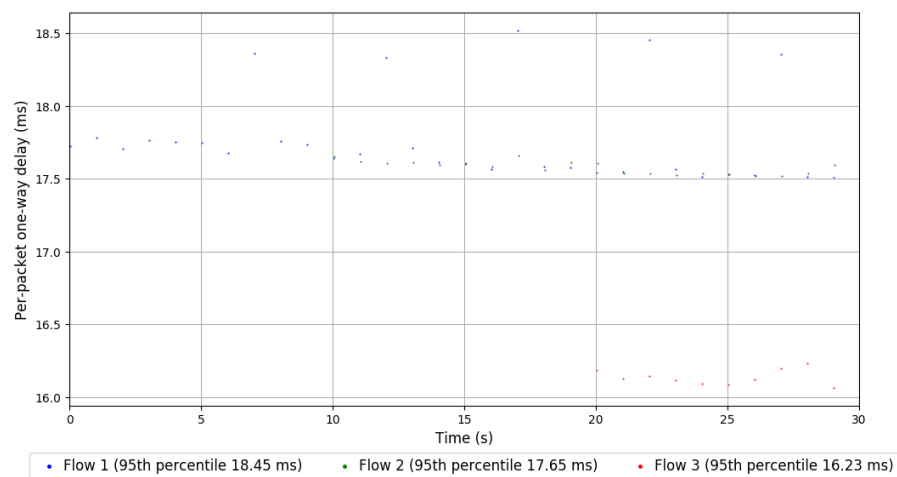
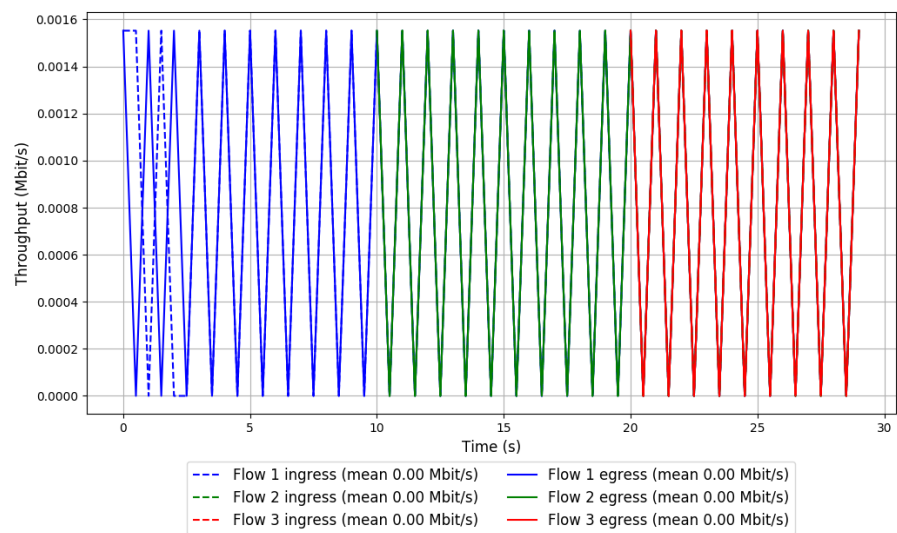
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 16.232 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-27 12:56:50

End at: 2018-01-27 12:57:20

Local clock offset: -6.535 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.337 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.352 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.657 ms

Loss rate: 0.00%

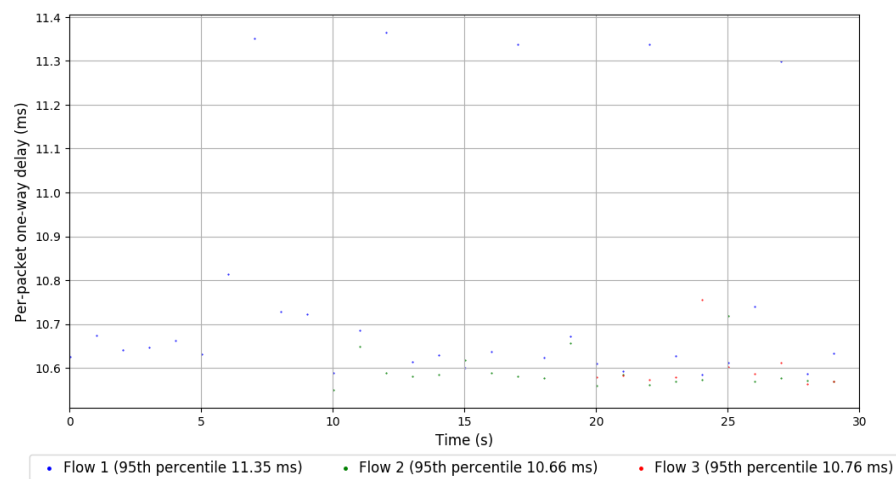
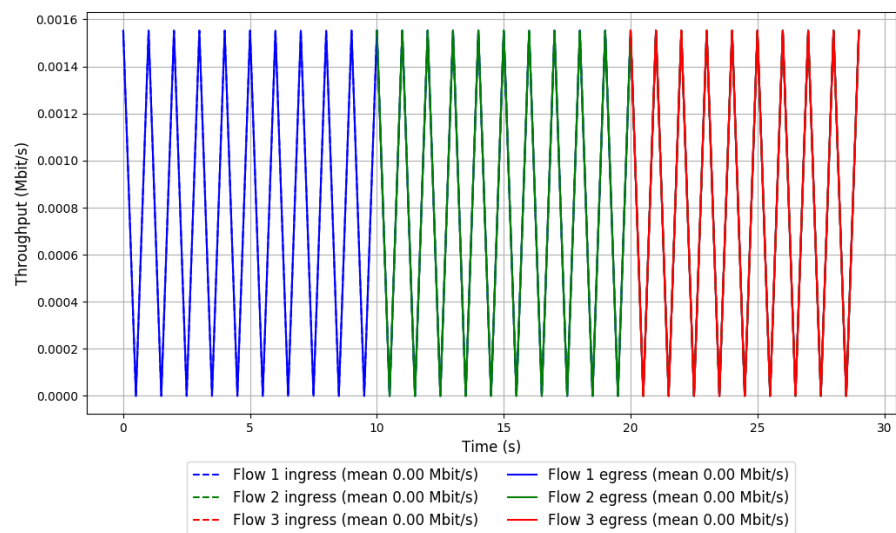
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.755 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-27 13:47:29

End at: 2018-01-27 13:47:59

Local clock offset: -2.108 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 16.414 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 16.416 ms

Loss rate: 0.00%

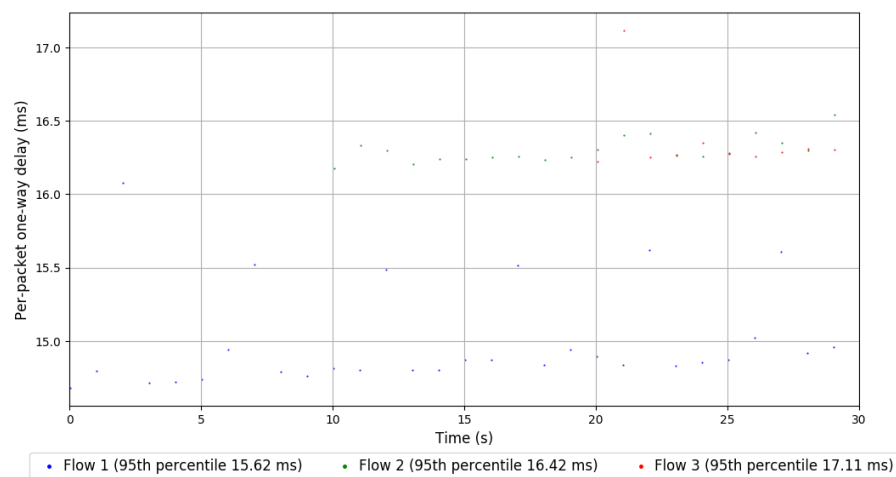
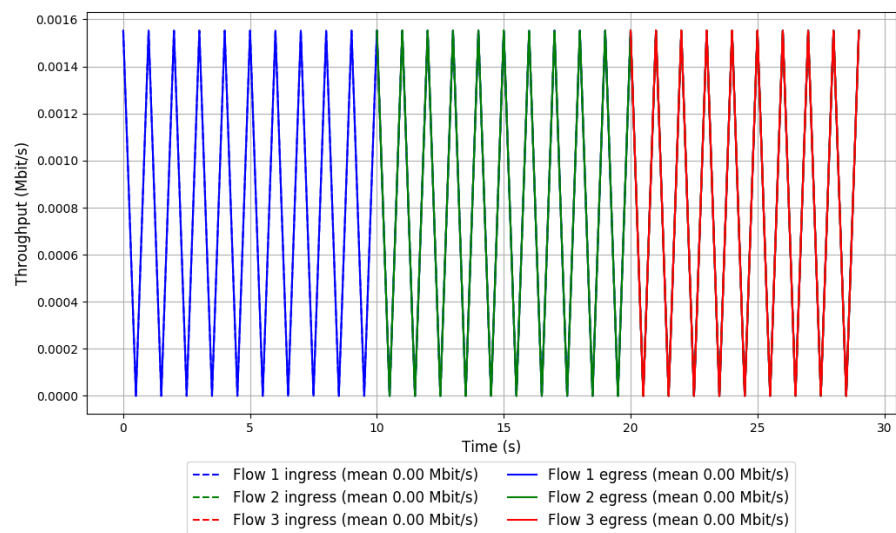
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.112 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-27 14:37:49

End at: 2018-01-27 14:38:19

Local clock offset: 3.221 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 21.090 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 21.151 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.486 ms

Loss rate: 0.00%

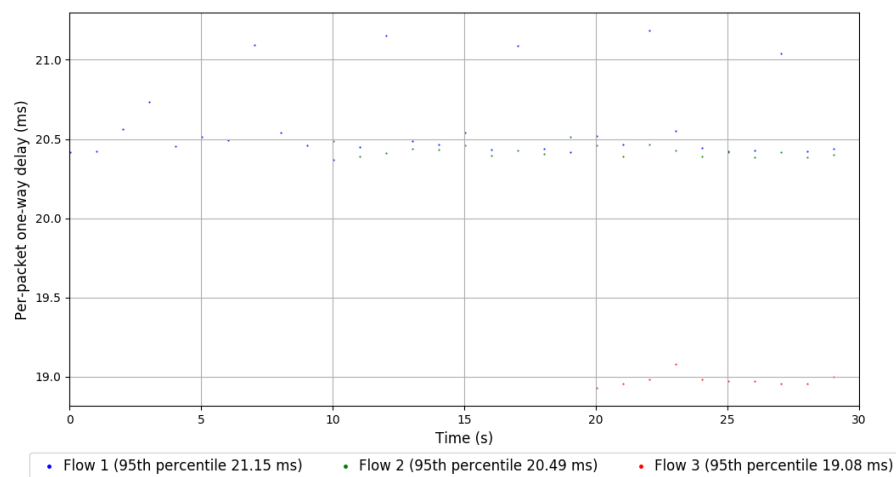
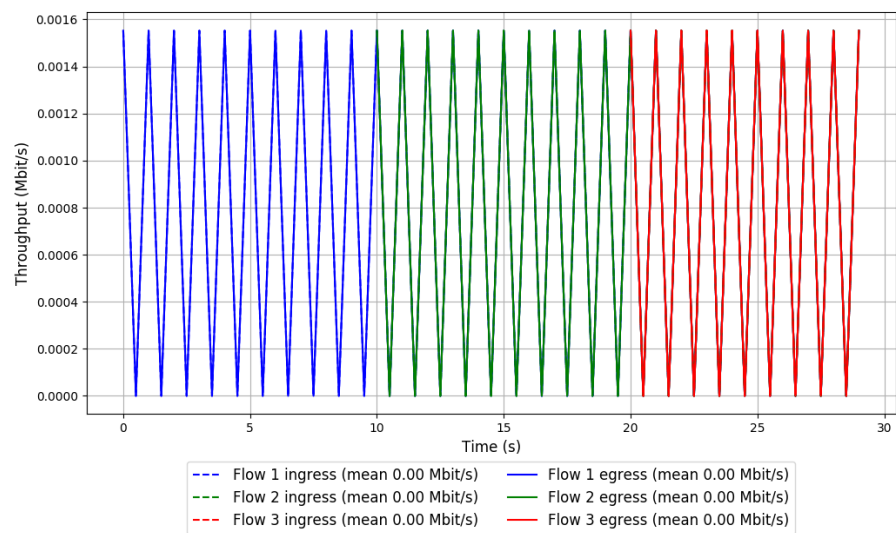
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.081 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-27 15:28:29

End at: 2018-01-27 15:28:59

Local clock offset: 1.177 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.532 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 16.910 ms

Loss rate: 0.00%

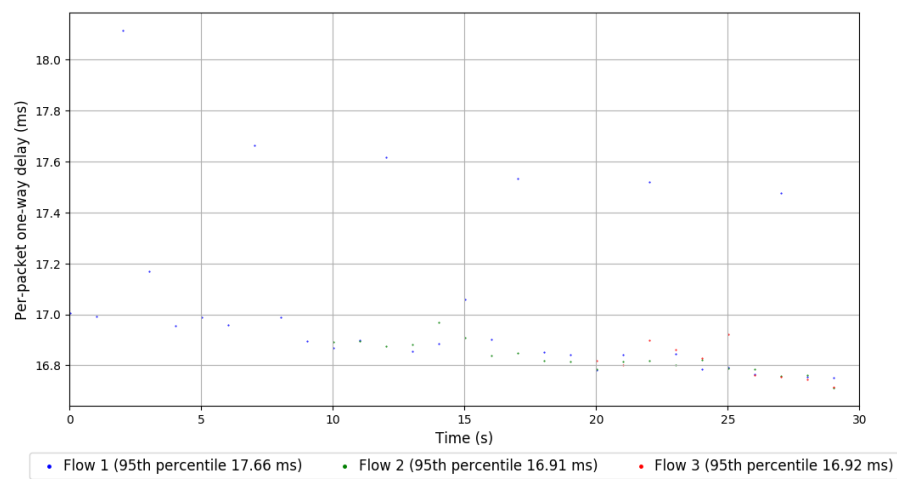
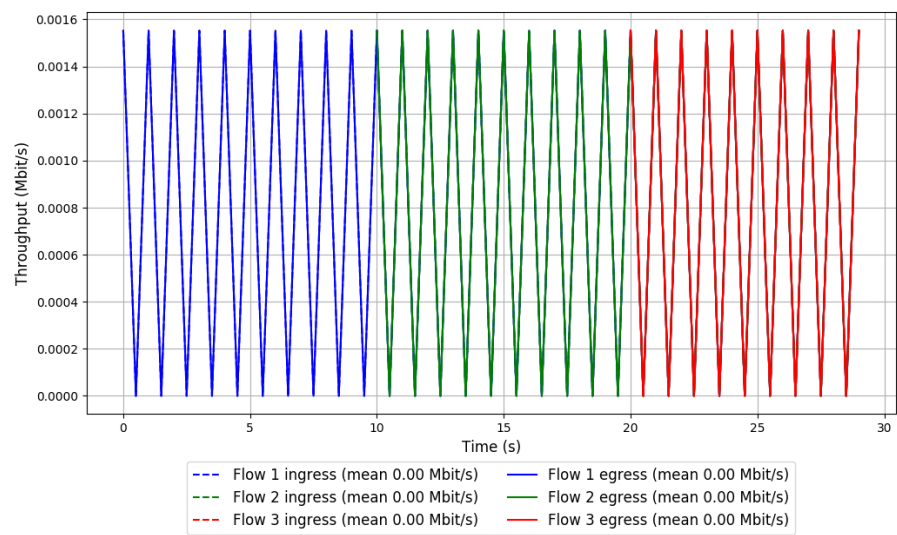
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 16.923 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-27 16:19:13

End at: 2018-01-27 16:19:43

Local clock offset: -4.315 ms

Below is generated by plot.py at 2018-01-27 20:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.563 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.234 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.436 ms

Loss rate: 0.00%

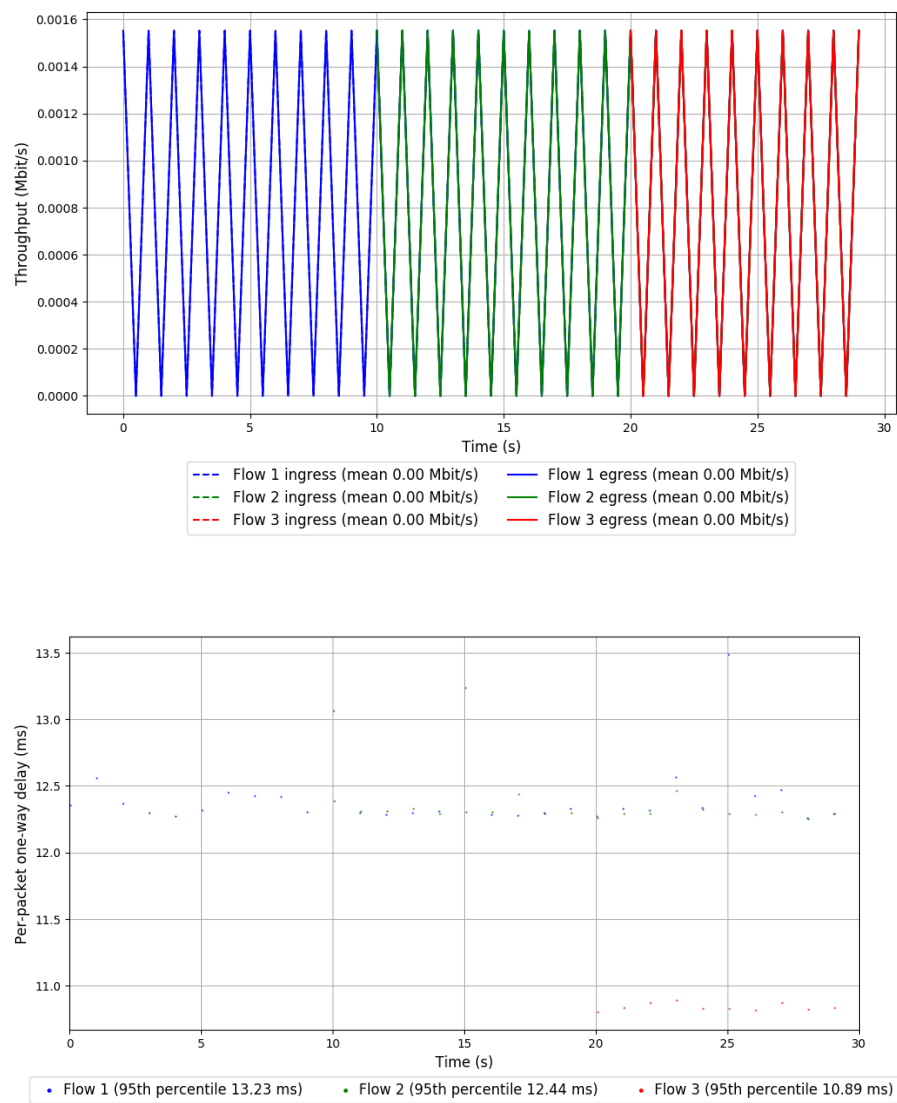
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.891 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-27 08:59:07

End at: 2018-01-27 08:59:37

Local clock offset: -1.981 ms

Below is generated by plot.py at 2018-01-27 20:06:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.12 Mbit/s

95th percentile per-packet one-way delay: 15.380 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 102.13 Mbit/s

95th percentile per-packet one-way delay: 15.391 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.65 Mbit/s

95th percentile per-packet one-way delay: 15.357 ms

Loss rate: 0.01%

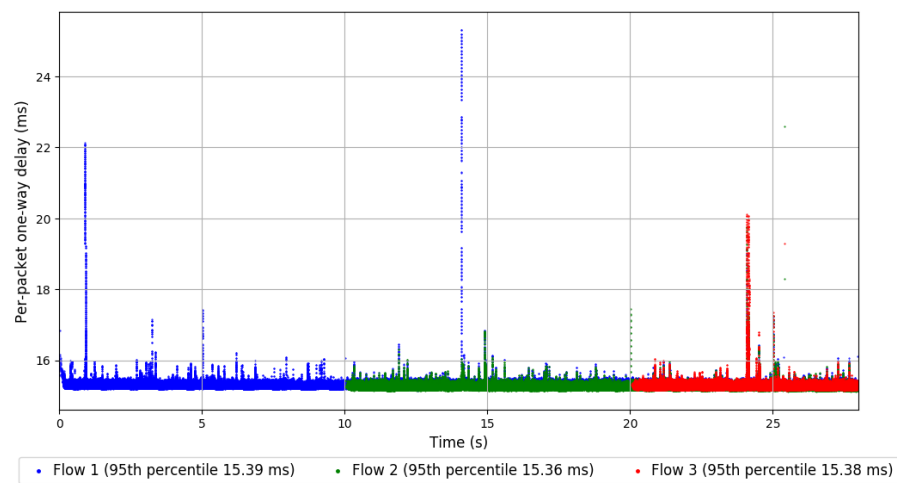
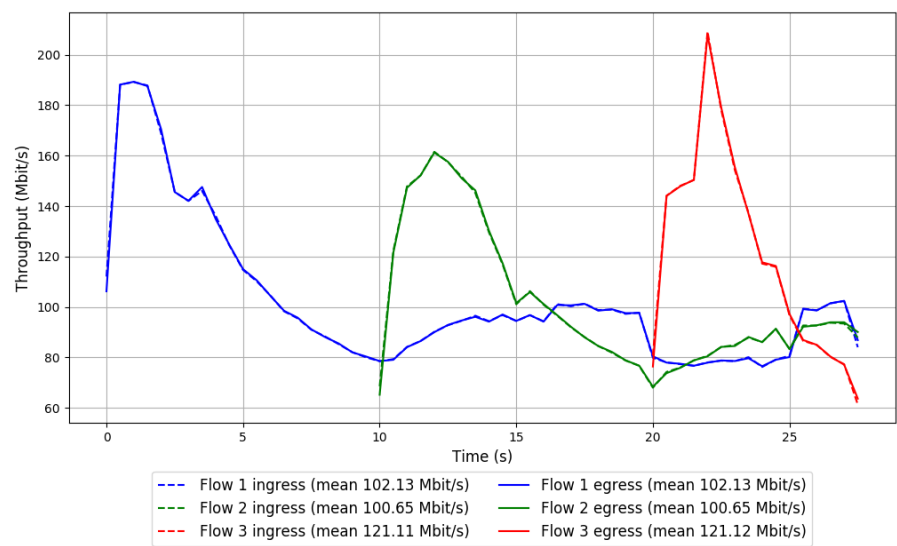
-- Flow 3:

Average throughput: 121.12 Mbit/s

95th percentile per-packet one-way delay: 15.381 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-27 09:49:45

End at: 2018-01-27 09:50:15

Local clock offset: -4.179 ms

Below is generated by plot.py at 2018-01-27 20:06:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.93 Mbit/s

95th percentile per-packet one-way delay: 13.826 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.24 Mbit/s

95th percentile per-packet one-way delay: 13.821 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.50 Mbit/s

95th percentile per-packet one-way delay: 13.833 ms

Loss rate: 0.00%

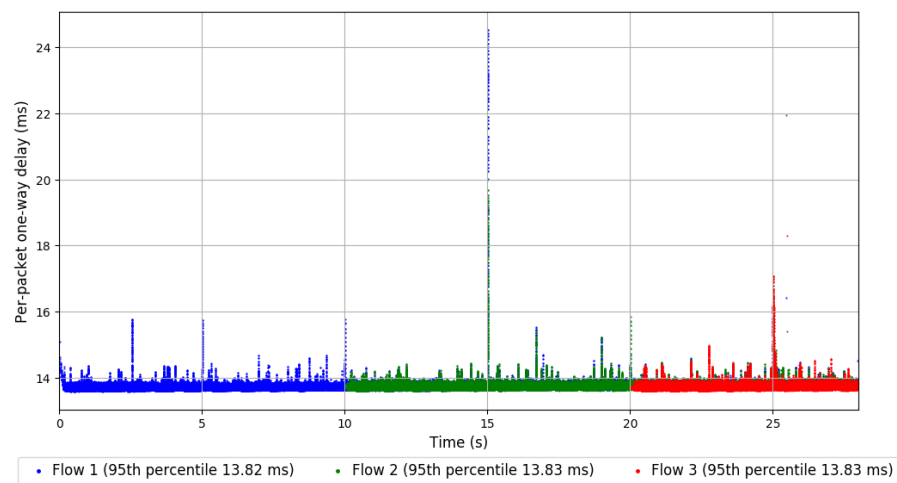
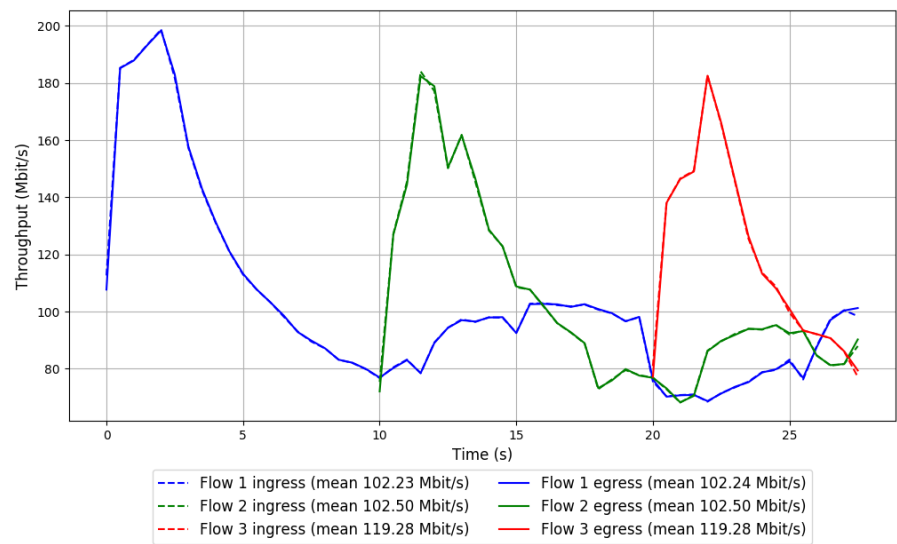
-- Flow 3:

Average throughput: 119.28 Mbit/s

95th percentile per-packet one-way delay: 13.827 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-27 10:40:26

End at: 2018-01-27 10:40:56

Local clock offset: -3.803 ms

Below is generated by plot.py at 2018-01-27 20:06:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.67 Mbit/s

95th percentile per-packet one-way delay: 13.643 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 99.78 Mbit/s

95th percentile per-packet one-way delay: 13.667 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 103.25 Mbit/s

95th percentile per-packet one-way delay: 12.263 ms

Loss rate: 0.00%

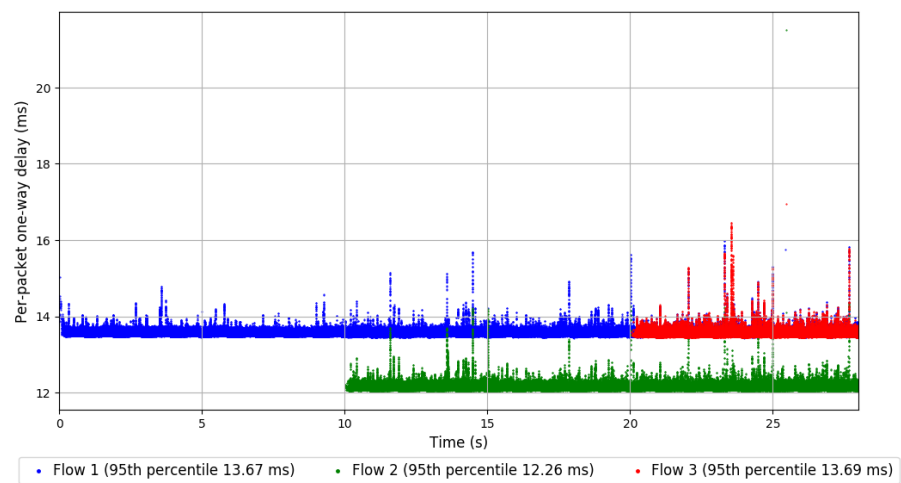
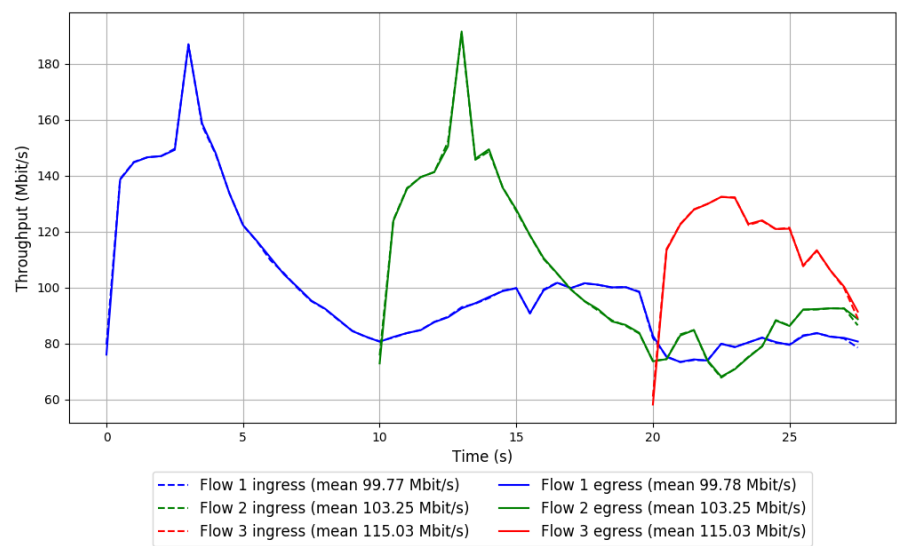
-- Flow 3:

Average throughput: 115.03 Mbit/s

95th percentile per-packet one-way delay: 13.690 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-27 11:31:10

End at: 2018-01-27 11:31:40

Local clock offset: 3.441 ms

Below is generated by plot.py at 2018-01-27 20:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.82 Mbit/s

95th percentile per-packet one-way delay: 20.853 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.37 Mbit/s

95th percentile per-packet one-way delay: 19.500 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.94 Mbit/s

95th percentile per-packet one-way delay: 20.902 ms

Loss rate: 0.01%

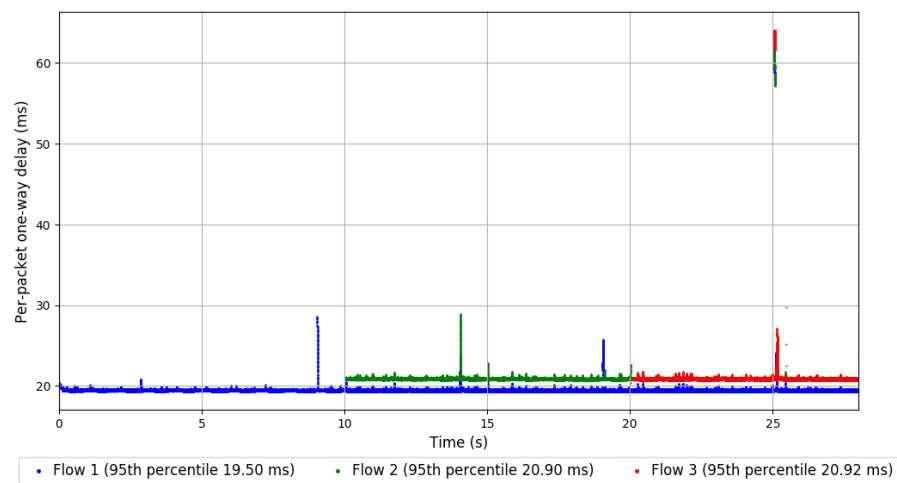
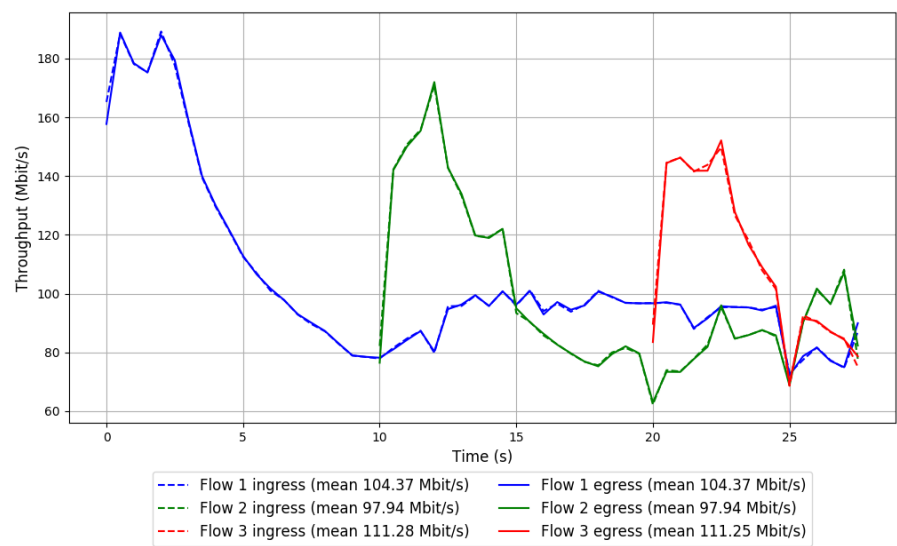
-- Flow 3:

Average throughput: 111.25 Mbit/s

95th percentile per-packet one-way delay: 20.923 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-27 12:21:54

End at: 2018-01-27 12:22:24

Local clock offset: -3.629 ms

Below is generated by plot.py at 2018-01-27 20:08:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.05 Mbit/s

95th percentile per-packet one-way delay: 13.643 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.21 Mbit/s

95th percentile per-packet one-way delay: 13.654 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 13.623 ms

Loss rate: 0.00%

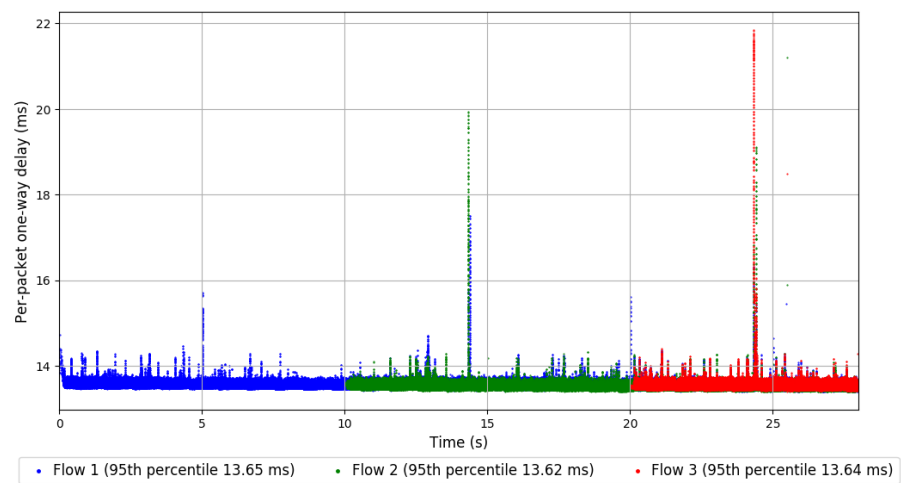
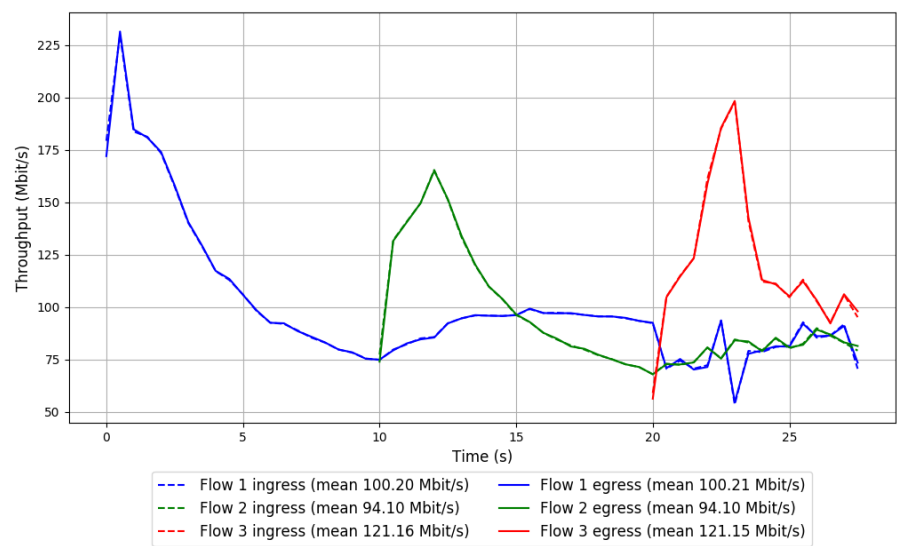
-- Flow 3:

Average throughput: 121.15 Mbit/s

95th percentile per-packet one-way delay: 13.641 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-27 13:12:34

End at: 2018-01-27 13:13:04

Local clock offset: -7.072 ms

Below is generated by plot.py at 2018-01-27 20:08:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.01 Mbit/s

95th percentile per-packet one-way delay: 11.312 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.08 Mbit/s

95th percentile per-packet one-way delay: 11.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.68 Mbit/s

95th percentile per-packet one-way delay: 11.322 ms

Loss rate: 0.00%

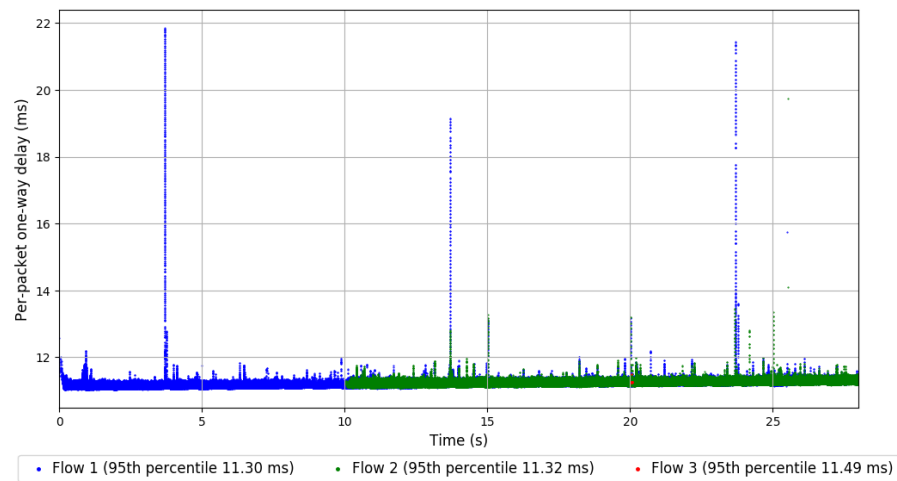
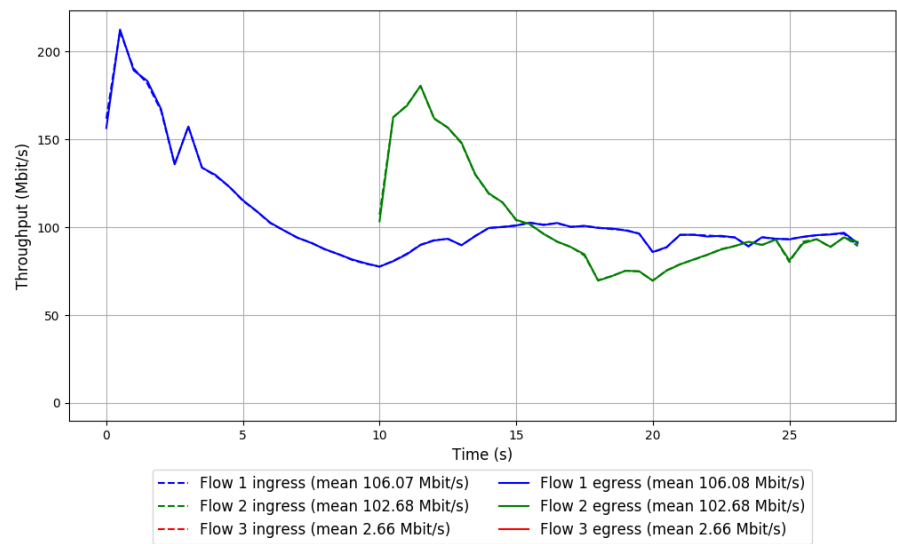
-- Flow 3:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 11.493 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-27 14:03:13

End at: 2018-01-27 14:03:43

Local clock offset: 2.276 ms

Below is generated by plot.py at 2018-01-27 20:10:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 206.46 Mbit/s

95th percentile per-packet one-way delay: 19.844 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.36 Mbit/s

95th percentile per-packet one-way delay: 18.538 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 103.60 Mbit/s

95th percentile per-packet one-way delay: 18.462 ms

Loss rate: 0.00%

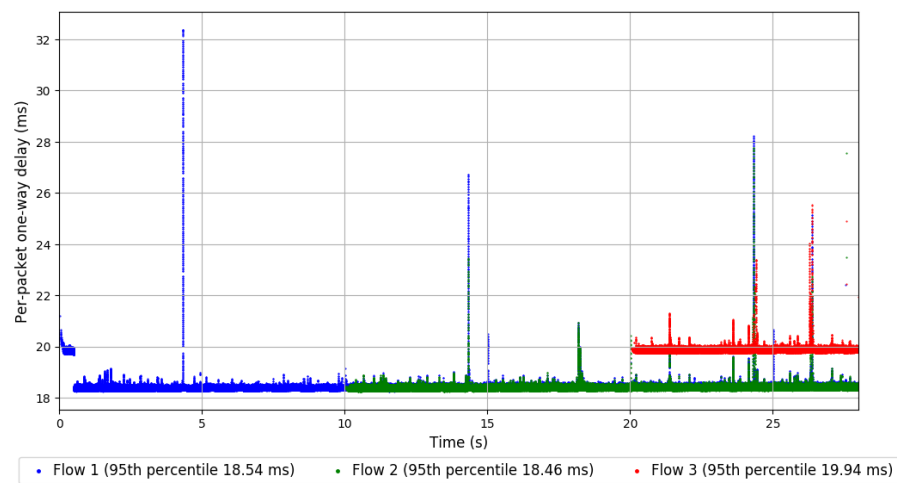
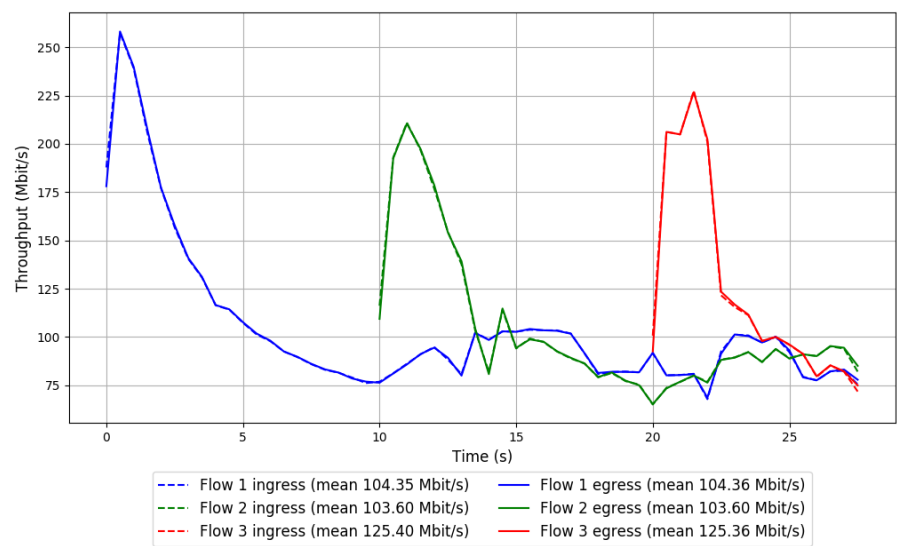
-- Flow 3:

Average throughput: 125.36 Mbit/s

95th percentile per-packet one-way delay: 19.943 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-27 14:53:33

End at: 2018-01-27 14:54:03

Local clock offset: 3.733 ms

Below is generated by plot.py at 2018-01-27 20:10:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.18 Mbit/s

95th percentile per-packet one-way delay: 20.568 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.43 Mbit/s

95th percentile per-packet one-way delay: 19.277 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 110.08 Mbit/s

95th percentile per-packet one-way delay: 19.252 ms

Loss rate: 0.00%

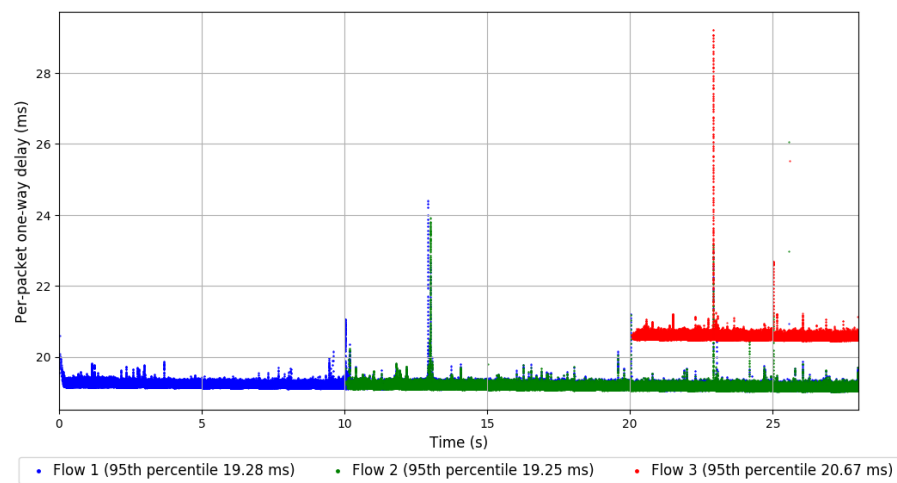
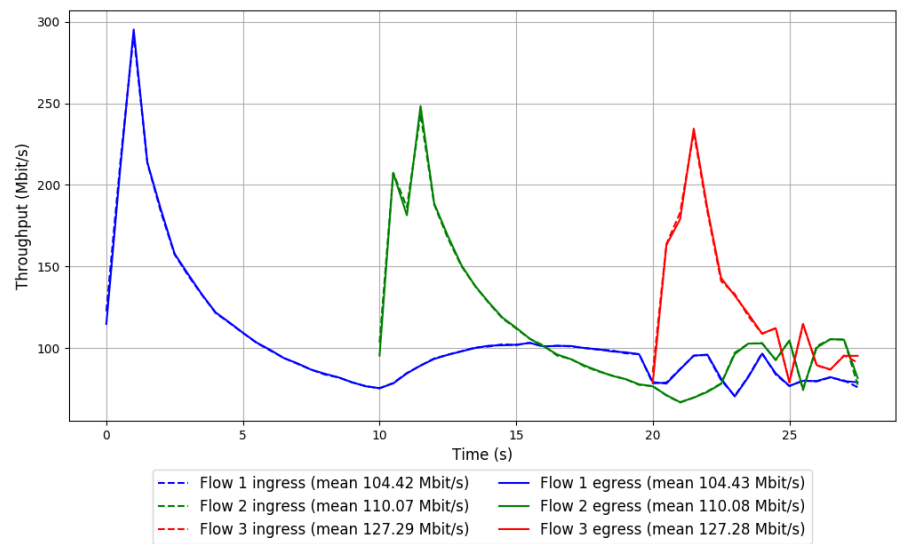
-- Flow 3:

Average throughput: 127.28 Mbit/s

95th percentile per-packet one-way delay: 20.674 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-27 15:44:12

End at: 2018-01-27 15:44:42

Local clock offset: -4.068 ms

Below is generated by plot.py at 2018-01-27 20:11:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.55 Mbit/s

95th percentile per-packet one-way delay: 12.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.33 Mbit/s

95th percentile per-packet one-way delay: 12.822 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.04 Mbit/s

95th percentile per-packet one-way delay: 12.825 ms

Loss rate: 0.00%

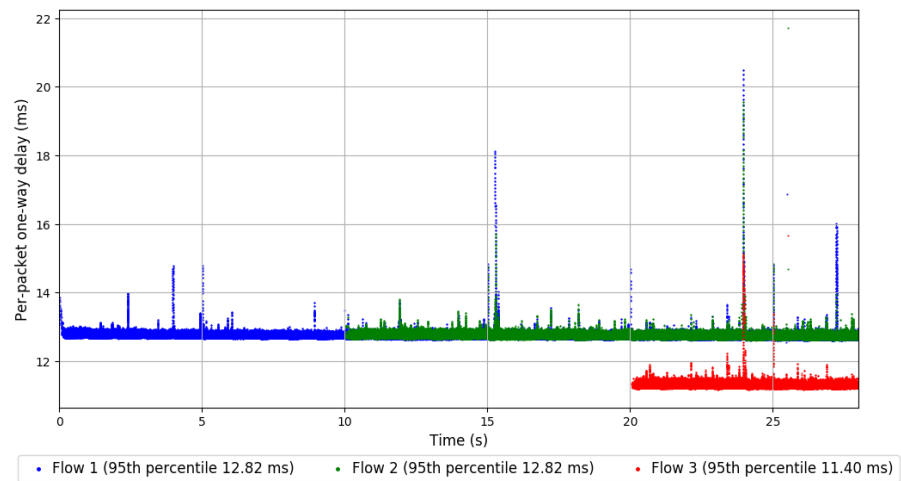
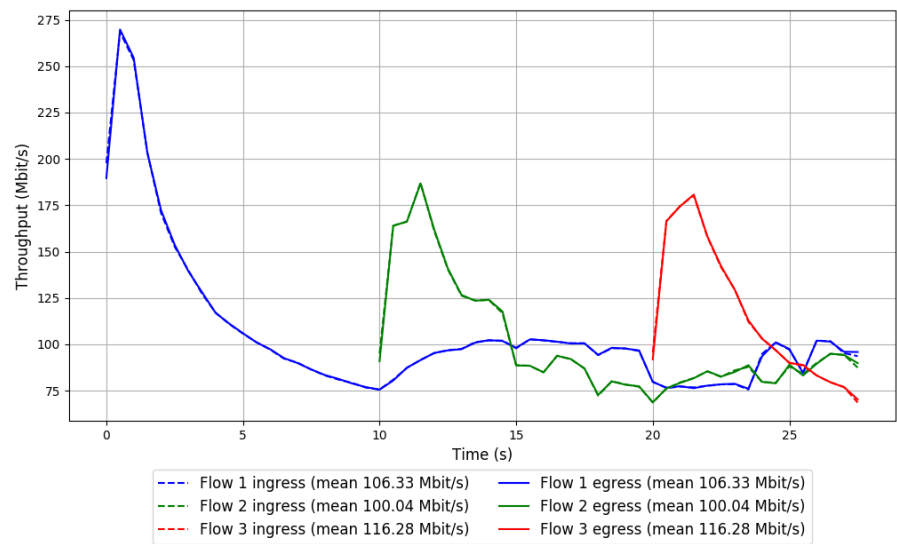
-- Flow 3:

Average throughput: 116.28 Mbit/s

95th percentile per-packet one-way delay: 11.398 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-27 16:34:55

End at: 2018-01-27 16:35:25

Local clock offset: -4.677 ms

Below is generated by plot.py at 2018-01-27 20:11:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 202.25 Mbit/s

95th percentile per-packet one-way delay: 12.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.36 Mbit/s

95th percentile per-packet one-way delay: 12.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.93 Mbit/s

95th percentile per-packet one-way delay: 10.640 ms

Loss rate: 0.00%

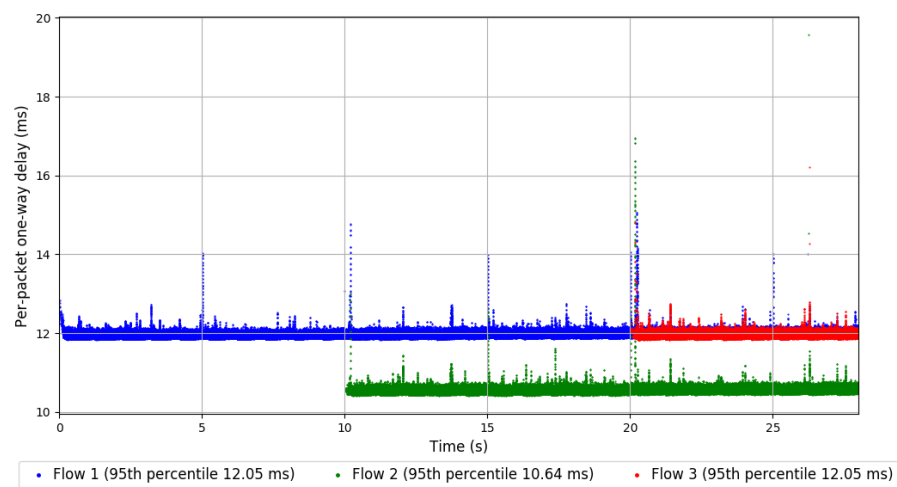
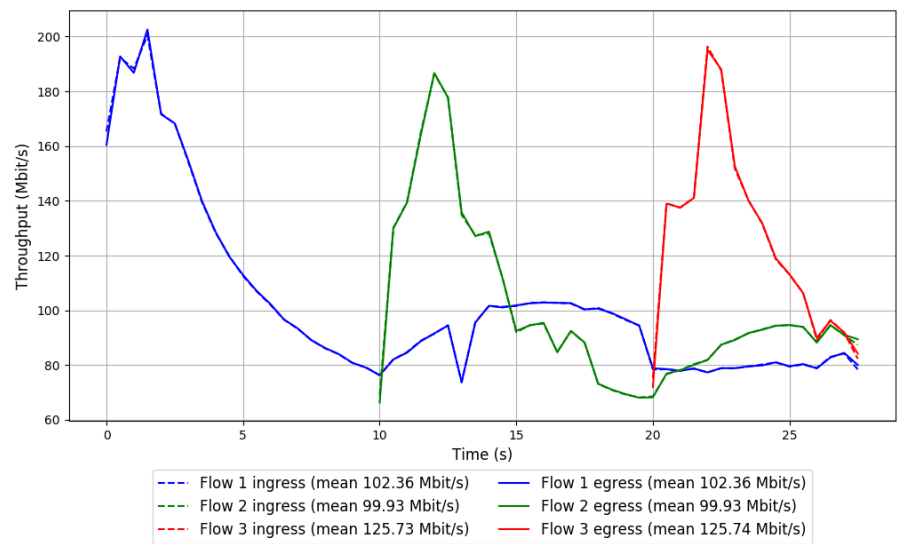
-- Flow 3:

Average throughput: 125.74 Mbit/s

95th percentile per-packet one-way delay: 12.053 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link

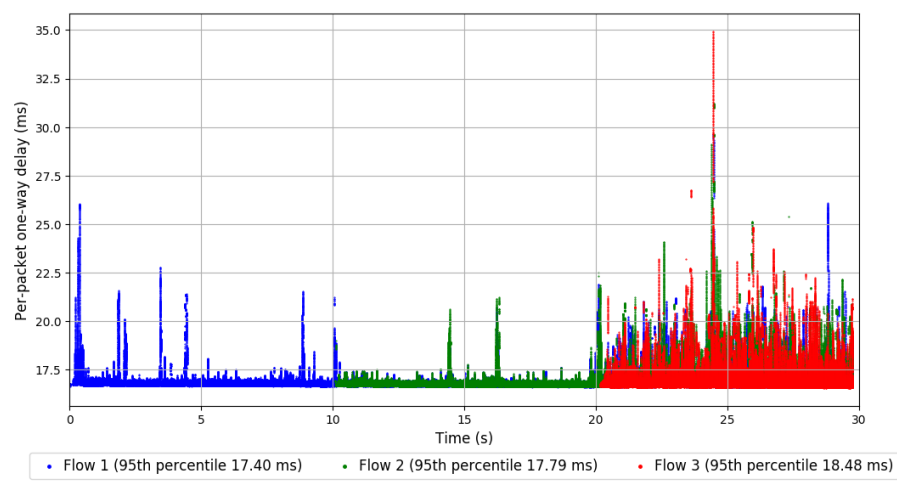
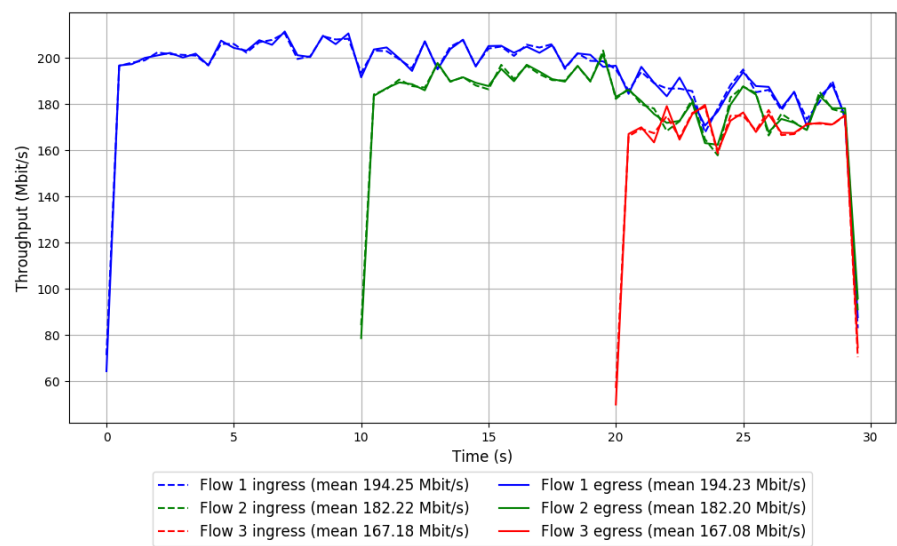


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-27 08:46:18
End at: 2018-01-27 08:46:48
Local clock offset: -0.091 ms

# Below is generated by plot.py at 2018-01-27 20:11:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.53 Mbit/s
95th percentile per-packet one-way delay: 17.738 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 194.23 Mbit/s
95th percentile per-packet one-way delay: 17.399 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 182.20 Mbit/s
95th percentile per-packet one-way delay: 17.792 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 167.08 Mbit/s
95th percentile per-packet one-way delay: 18.480 ms
Loss rate: 0.06%
```


Run 1: Report of Indigo-2-256 — Data Link



Run 2: Statistics of Indigo-2-256

Start at: 2018-01-27 09:36:57

End at: 2018-01-27 09:37:27

Local clock offset: -4.403 ms

Below is generated by plot.py at 2018-01-27 20:13:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.47 Mbit/s

95th percentile per-packet one-way delay: 13.907 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 196.62 Mbit/s

95th percentile per-packet one-way delay: 12.800 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 182.87 Mbit/s

95th percentile per-packet one-way delay: 14.061 ms

Loss rate: 0.02%

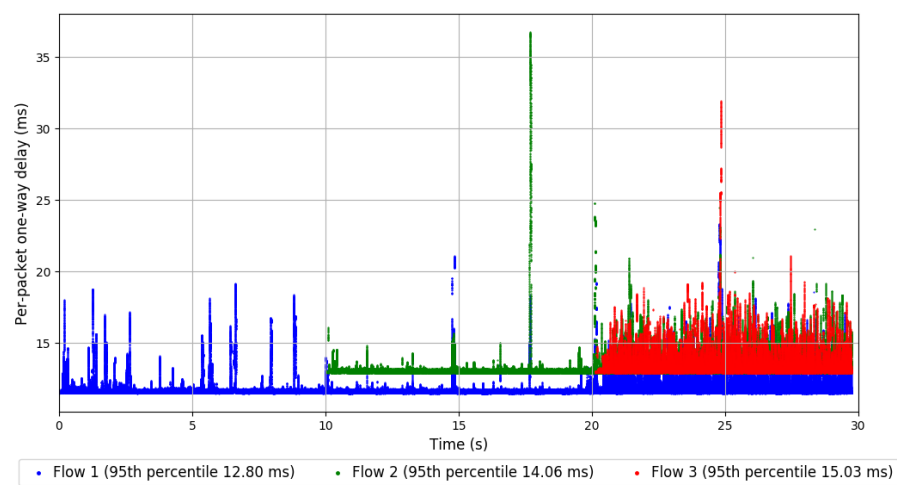
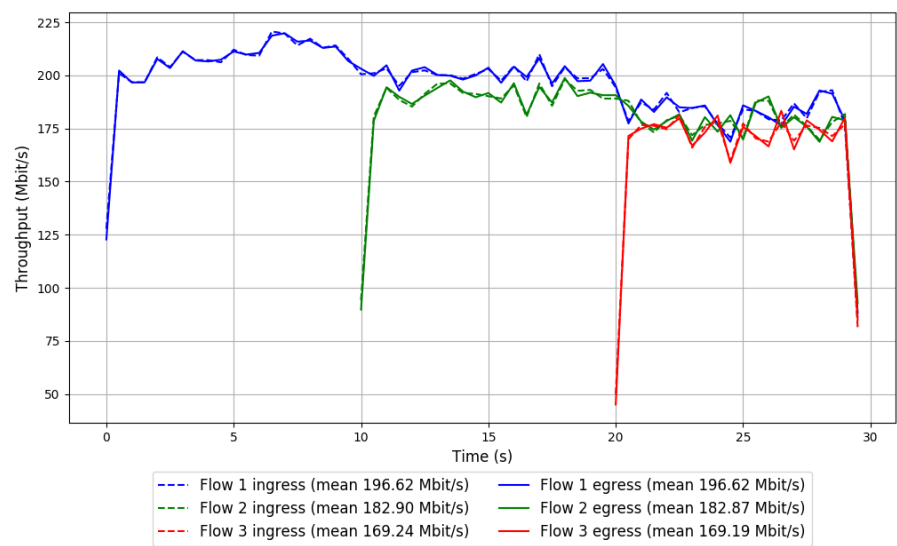
-- Flow 3:

Average throughput: 169.19 Mbit/s

95th percentile per-packet one-way delay: 15.028 ms

Loss rate: 0.03%

Run 2: Report of Indigo-2-256 — Data Link



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-27 10:27:40

End at: 2018-01-27 10:28:10

Local clock offset: -3.13 ms

Below is generated by plot.py at 2018-01-27 20:13:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.65 Mbit/s

95th percentile per-packet one-way delay: 14.843 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 198.22 Mbit/s

95th percentile per-packet one-way delay: 13.964 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 182.47 Mbit/s

95th percentile per-packet one-way delay: 15.237 ms

Loss rate: 0.02%

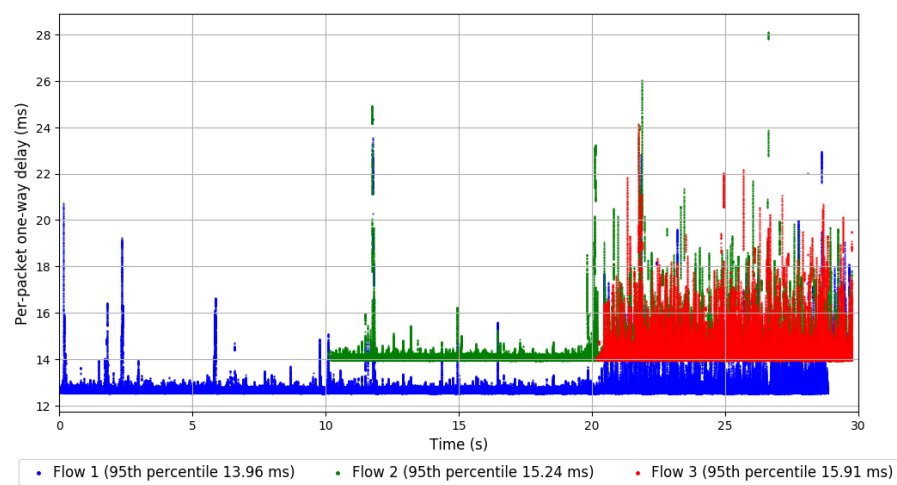
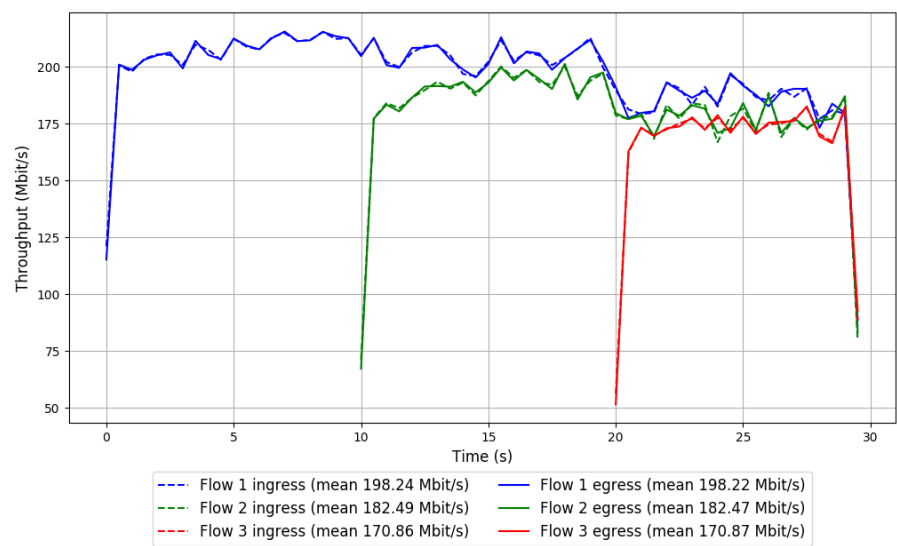
-- Flow 3:

Average throughput: 170.87 Mbit/s

95th percentile per-packet one-way delay: 15.909 ms

Loss rate: 0.01%

Run 3: Report of Indigo-2-256 — Data Link



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-27 11:18:23

End at: 2018-01-27 11:18:53

Local clock offset: 2.68 ms

Below is generated by plot.py at 2018-01-27 20:13:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 371.47 Mbit/s

95th percentile per-packet one-way delay: 21.710 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 194.93 Mbit/s

95th percentile per-packet one-way delay: 21.378 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 183.17 Mbit/s

95th percentile per-packet one-way delay: 21.766 ms

Loss rate: 0.04%

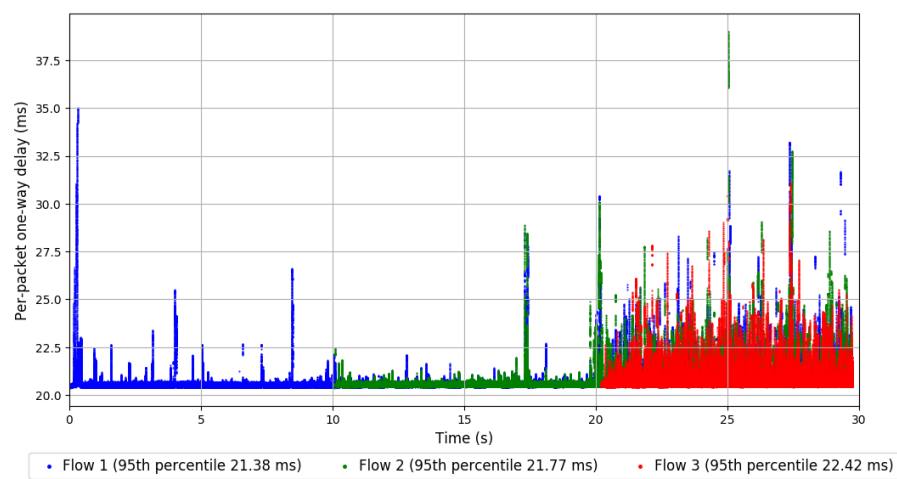
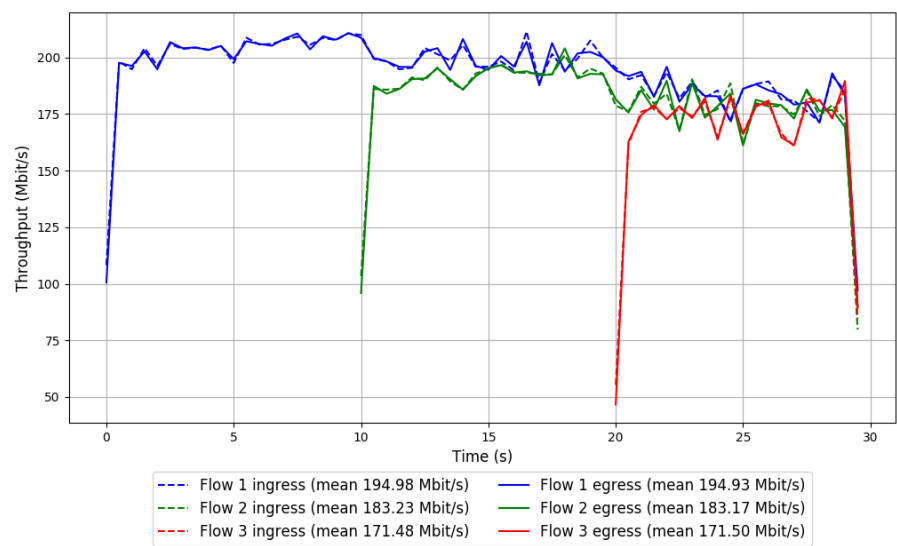
-- Flow 3:

Average throughput: 171.50 Mbit/s

95th percentile per-packet one-way delay: 22.417 ms

Loss rate: 0.01%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-27 12:09:06

End at: 2018-01-27 12:09:36

Local clock offset: -0.064 ms

Below is generated by plot.py at 2018-01-27 20:15:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.20 Mbit/s

95th percentile per-packet one-way delay: 17.189 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 193.52 Mbit/s

95th percentile per-packet one-way delay: 16.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.39 Mbit/s

95th percentile per-packet one-way delay: 17.623 ms

Loss rate: 0.01%

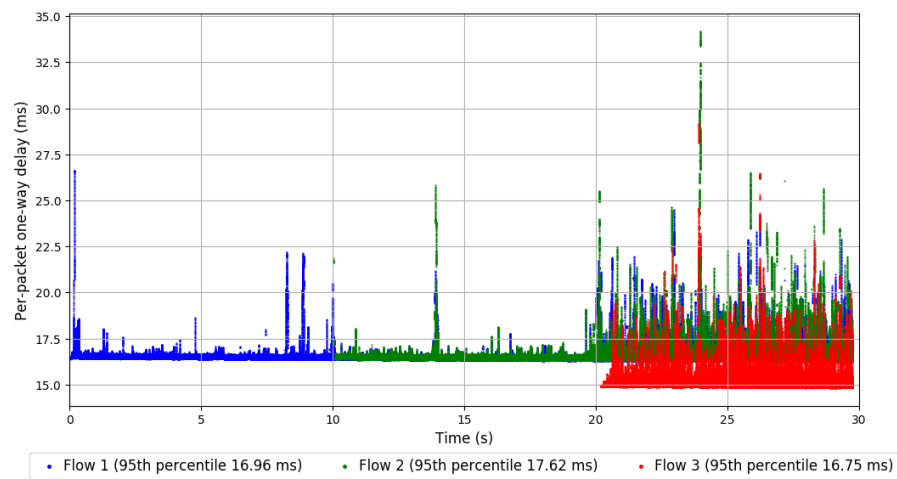
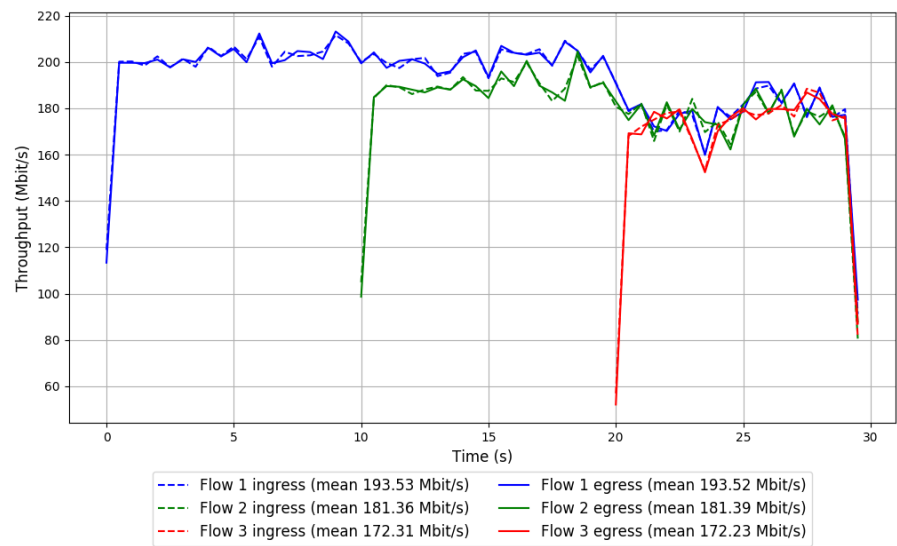
-- Flow 3:

Average throughput: 172.23 Mbit/s

95th percentile per-packet one-way delay: 16.745 ms

Loss rate: 0.03%

Run 5: Report of Indigo-2-256 — Data Link



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-27 12:59:45

End at: 2018-01-27 13:00:15

Local clock offset: -6.785 ms

Below is generated by plot.py at 2018-01-27 20:15:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.83 Mbit/s

95th percentile per-packet one-way delay: 11.003 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 197.36 Mbit/s

95th percentile per-packet one-way delay: 10.252 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 183.20 Mbit/s

95th percentile per-packet one-way delay: 11.335 ms

Loss rate: 0.03%

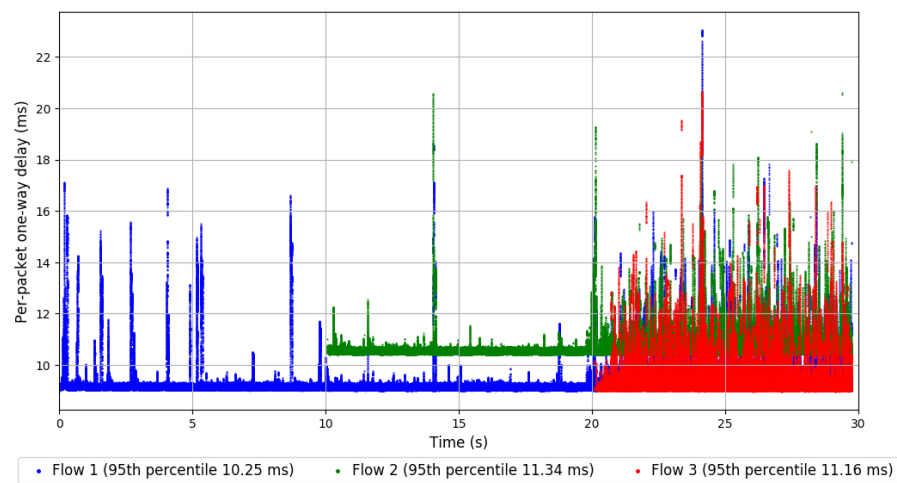
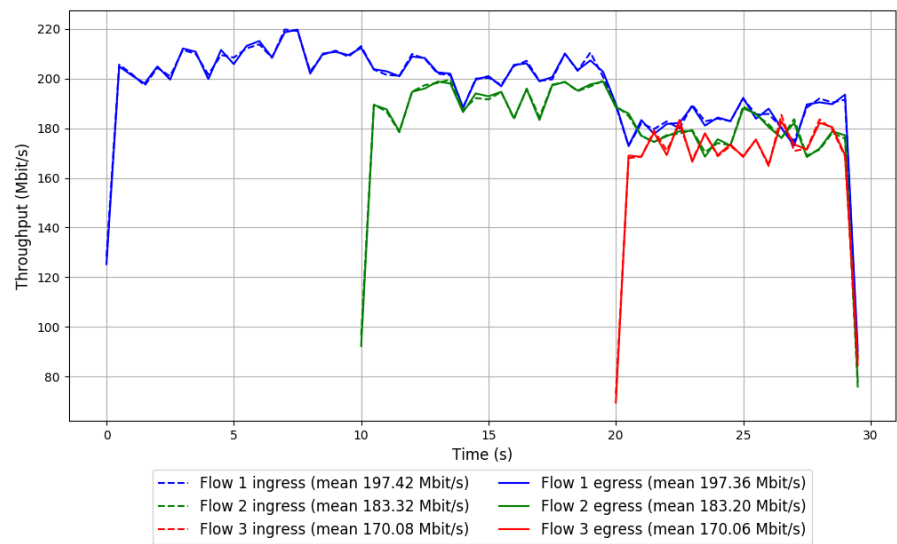
-- Flow 3:

Average throughput: 170.06 Mbit/s

95th percentile per-packet one-way delay: 11.161 ms

Loss rate: 0.01%

Run 6: Report of Indigo-2-256 — Data Link



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-27 13:50:24

End at: 2018-01-27 13:50:54

Local clock offset: -0.767 ms

Below is generated by plot.py at 2018-01-27 20:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.32 Mbit/s

95th percentile per-packet one-way delay: 18.747 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.78 Mbit/s

95th percentile per-packet one-way delay: 18.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 182.30 Mbit/s

95th percentile per-packet one-way delay: 18.511 ms

Loss rate: 0.00%

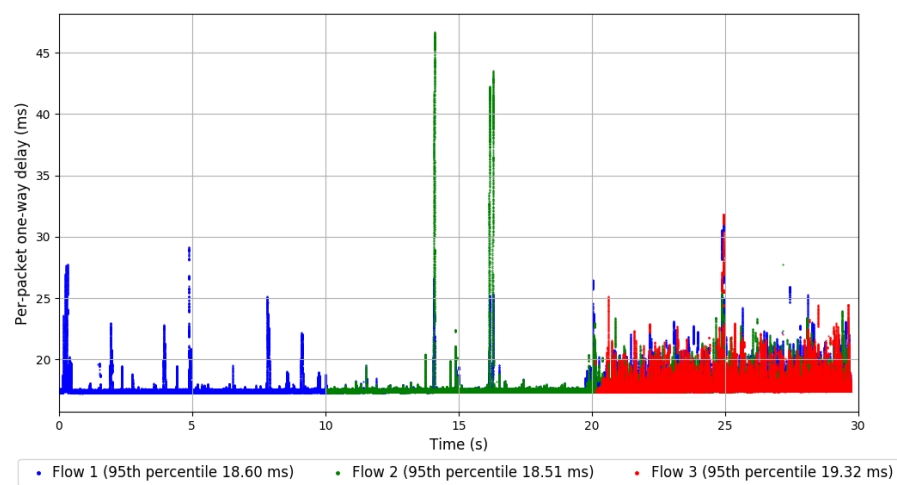
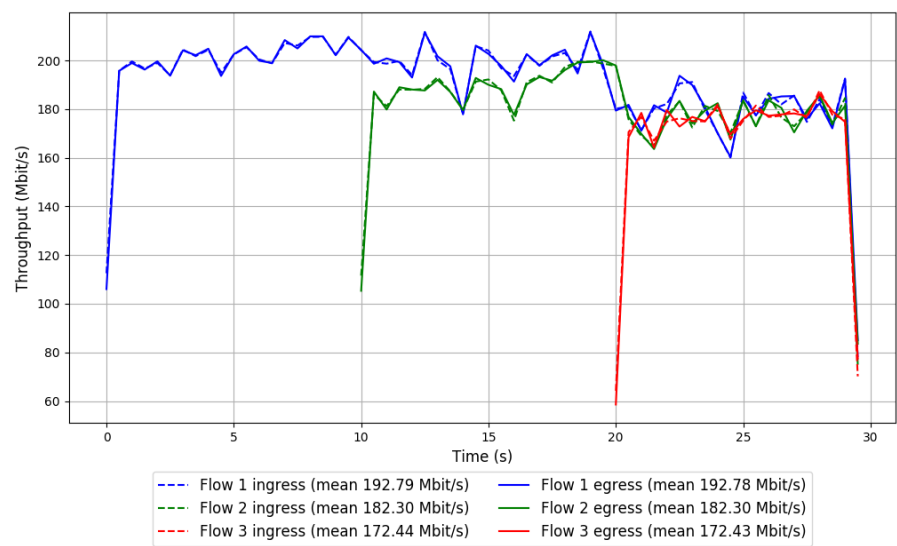
-- Flow 3:

Average throughput: 172.43 Mbit/s

95th percentile per-packet one-way delay: 19.315 ms

Loss rate: 0.00%

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-27 14:40:45

End at: 2018-01-27 14:41:15

Local clock offset: 3.291 ms

Below is generated by plot.py at 2018-01-27 20:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.31 Mbit/s

95th percentile per-packet one-way delay: 21.691 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 193.00 Mbit/s

95th percentile per-packet one-way delay: 21.530 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 181.66 Mbit/s

95th percentile per-packet one-way delay: 21.316 ms

Loss rate: 0.01%

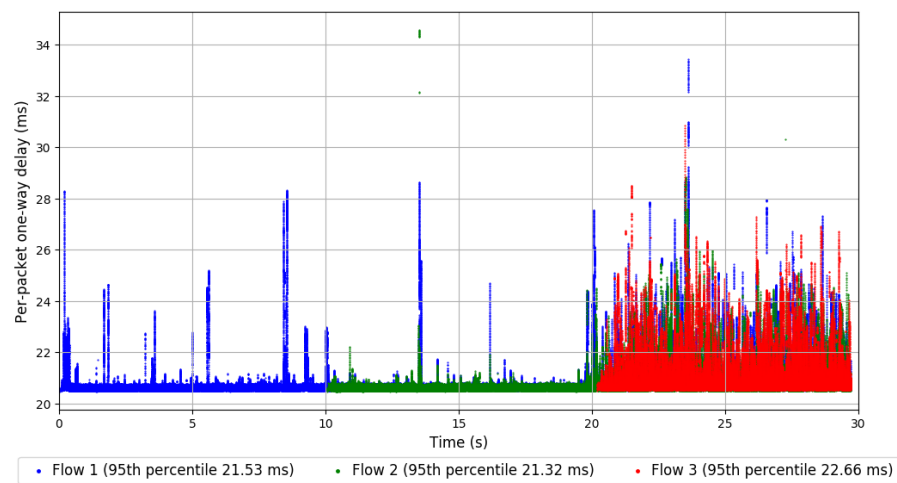
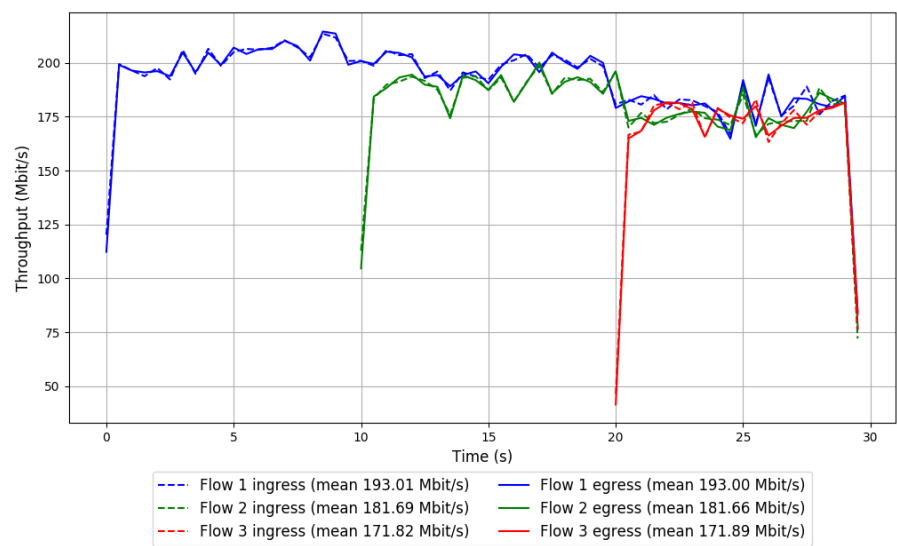
-- Flow 3:

Average throughput: 171.89 Mbit/s

95th percentile per-packet one-way delay: 22.658 ms

Loss rate: 0.01%

Run 8: Report of Indigo-2-256 — Data Link



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-27 15:31:24

End at: 2018-01-27 15:31:54

Local clock offset: -0.521 ms

Below is generated by plot.py at 2018-01-27 20:16:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.31 Mbit/s

95th percentile per-packet one-way delay: 16.499 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 193.80 Mbit/s

95th percentile per-packet one-way delay: 16.396 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 181.90 Mbit/s

95th percentile per-packet one-way delay: 16.738 ms

Loss rate: 0.02%

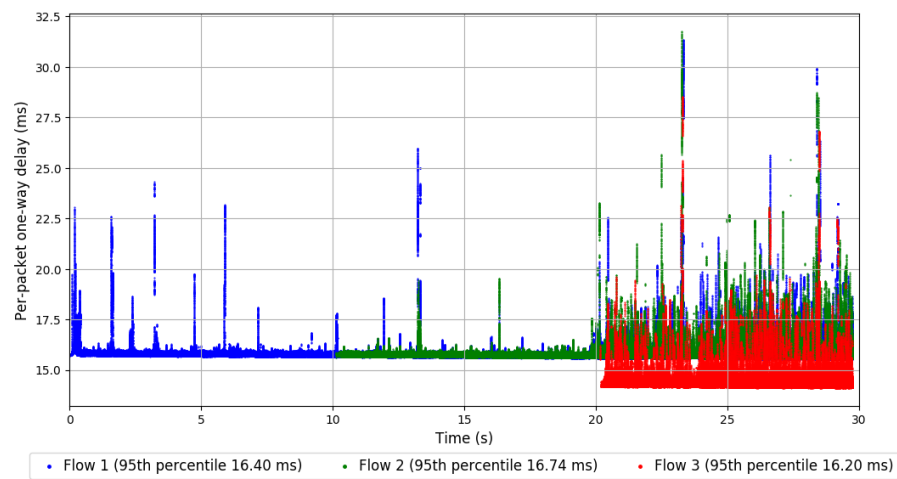
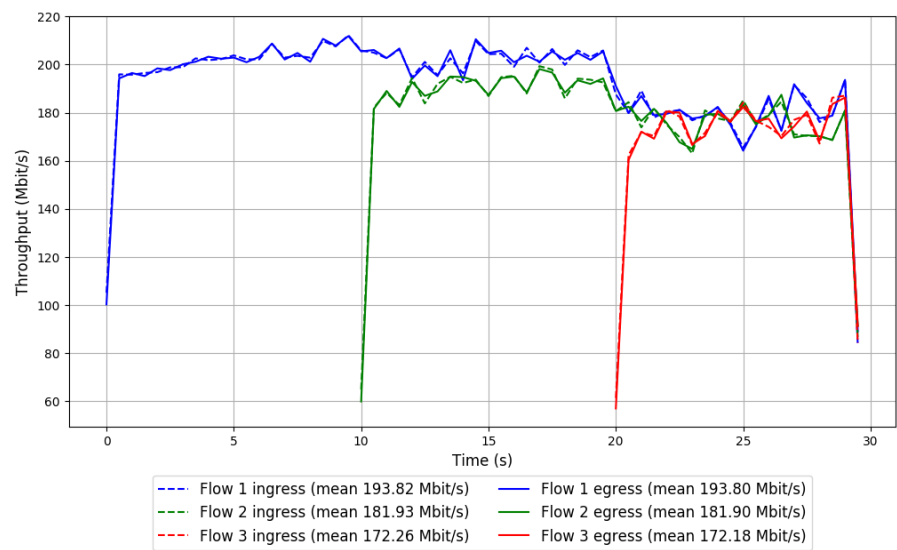
-- Flow 3:

Average throughput: 172.18 Mbit/s

95th percentile per-packet one-way delay: 16.197 ms

Loss rate: 0.06%

Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-27 16:22:08

End at: 2018-01-27 16:22:38

Local clock offset: -4.316 ms

Below is generated by plot.py at 2018-01-27 20:18:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.15 Mbit/s

95th percentile per-packet one-way delay: 12.925 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 197.77 Mbit/s

95th percentile per-packet one-way delay: 11.683 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 185.27 Mbit/s

95th percentile per-packet one-way delay: 12.373 ms

Loss rate: 0.00%

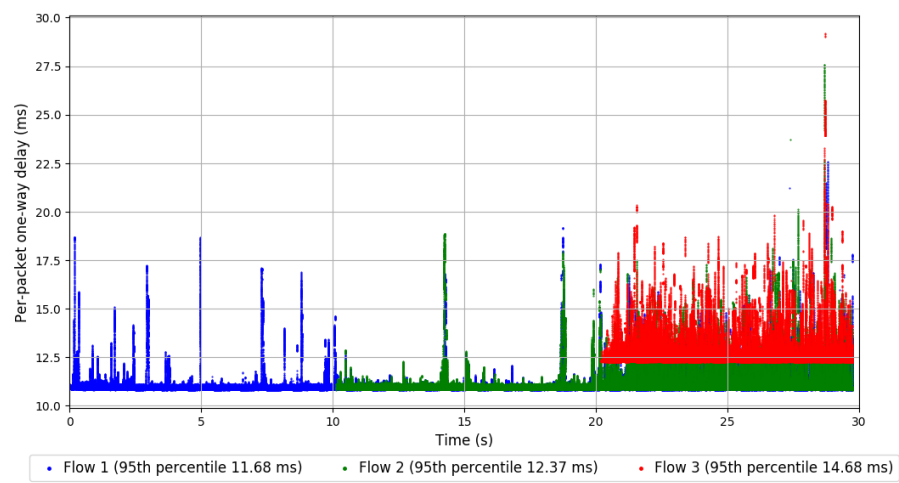
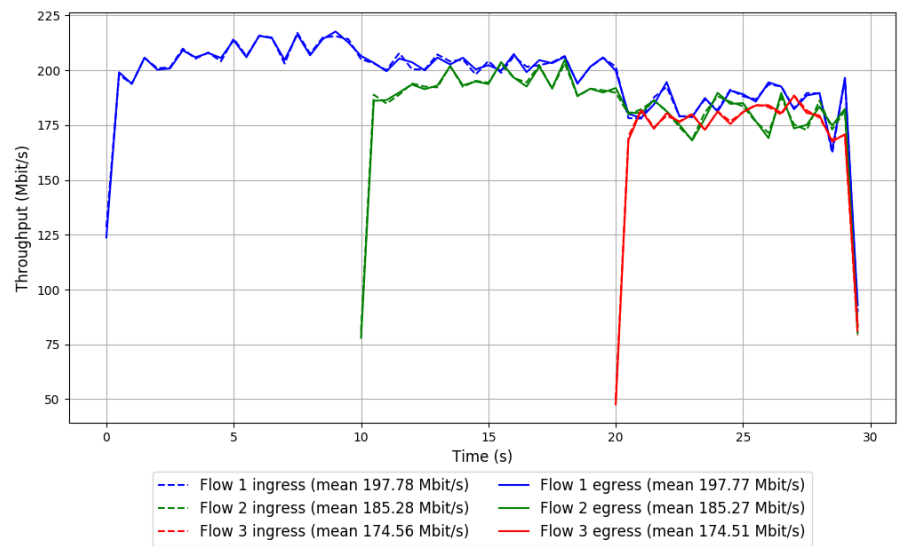
-- Flow 3:

Average throughput: 174.51 Mbit/s

95th percentile per-packet one-way delay: 14.682 ms

Loss rate: 0.04%

Run 10: Report of Indigo-2-256 — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-01-27 08:49:32

End at: 2018-01-27 08:50:02

Local clock offset: -0.83 ms

Below is generated by plot.py at 2018-01-27 20:18:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.60 Mbit/s

95th percentile per-packet one-way delay: 16.953 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 194.14 Mbit/s

95th percentile per-packet one-way delay: 16.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.51 Mbit/s

95th percentile per-packet one-way delay: 17.265 ms

Loss rate: 0.01%

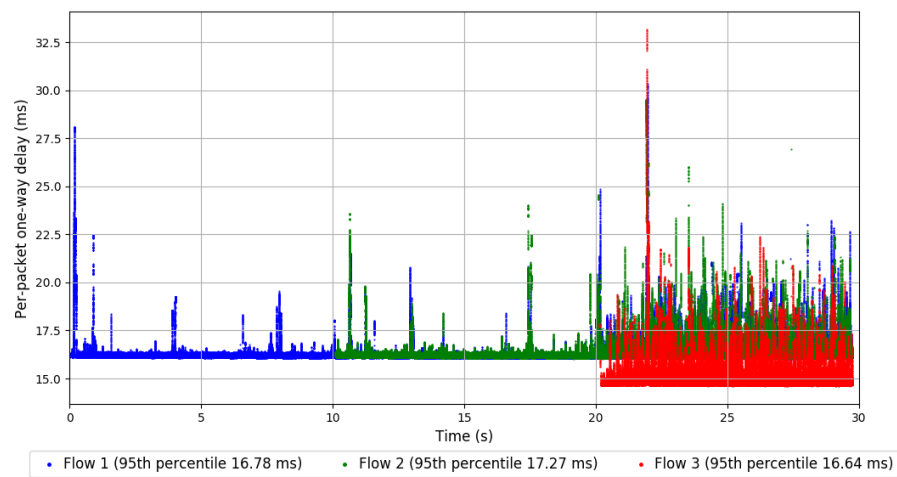
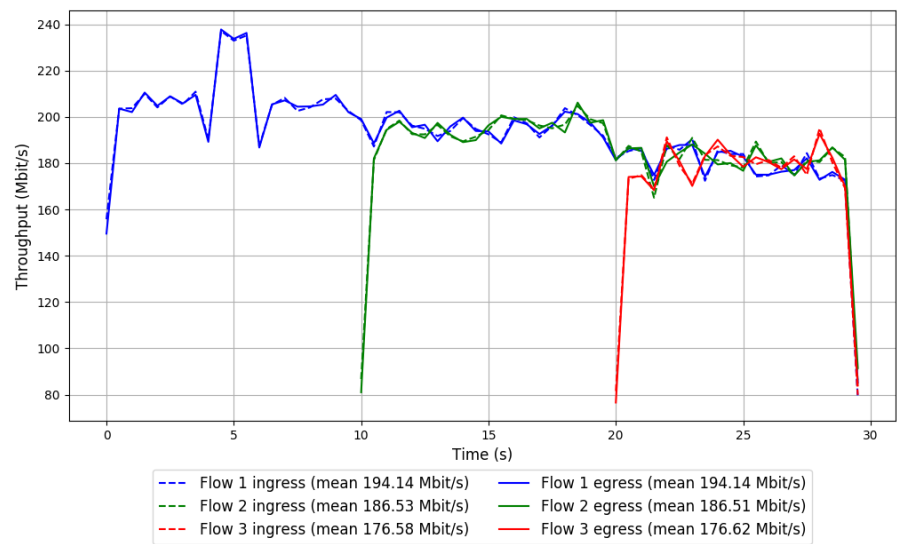
-- Flow 3:

Average throughput: 176.62 Mbit/s

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

Loss rate: 0.00%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-27 09:40:11

End at: 2018-01-27 09:40:41

Local clock offset: -4.519 ms

Below is generated by plot.py at 2018-01-27 20:18:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.31 Mbit/s

95th percentile per-packet one-way delay: 13.926 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 193.00 Mbit/s

95th percentile per-packet one-way delay: 13.328 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 185.57 Mbit/s

95th percentile per-packet one-way delay: 14.126 ms

Loss rate: 0.00%

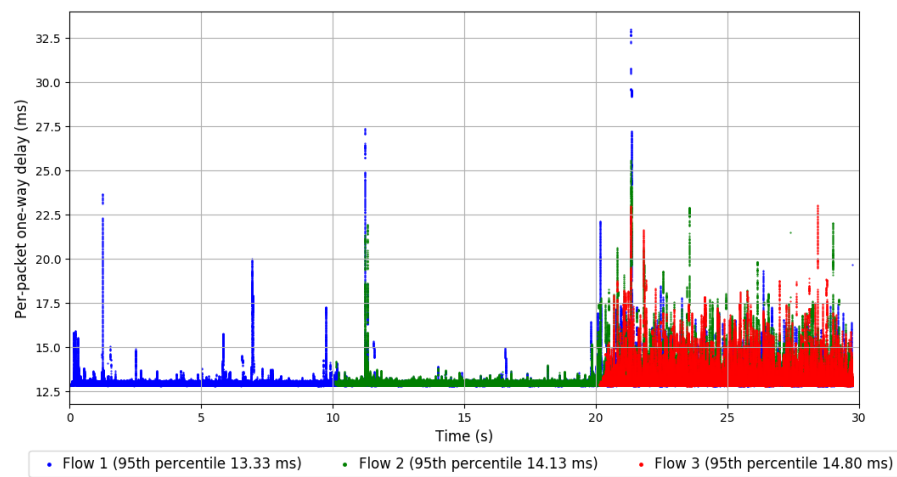
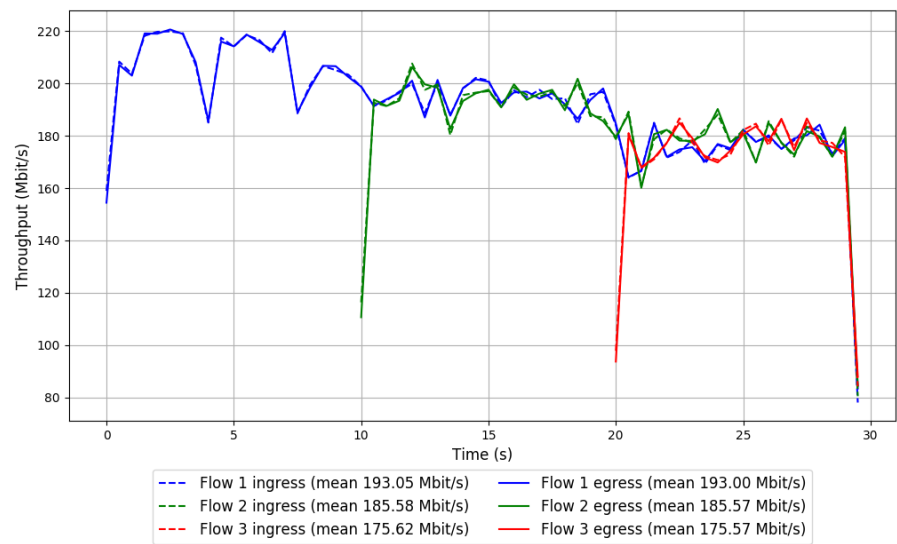
-- Flow 3:

Average throughput: 175.57 Mbit/s

95th percentile per-packet one-way delay: 14.799 ms

Loss rate: 0.03%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-27 10:30:53

End at: 2018-01-27 10:31:23

Local clock offset: -3.41 ms

Below is generated by plot.py at 2018-01-27 20:20:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.94 Mbit/s

95th percentile per-packet one-way delay: 14.576 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 194.98 Mbit/s

95th percentile per-packet one-way delay: 14.454 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 188.39 Mbit/s

95th percentile per-packet one-way delay: 13.541 ms

Loss rate: 0.00%

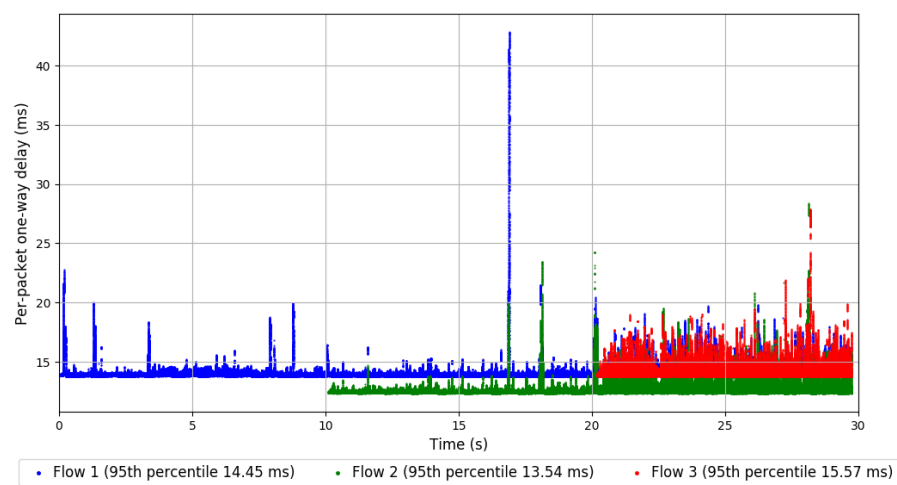
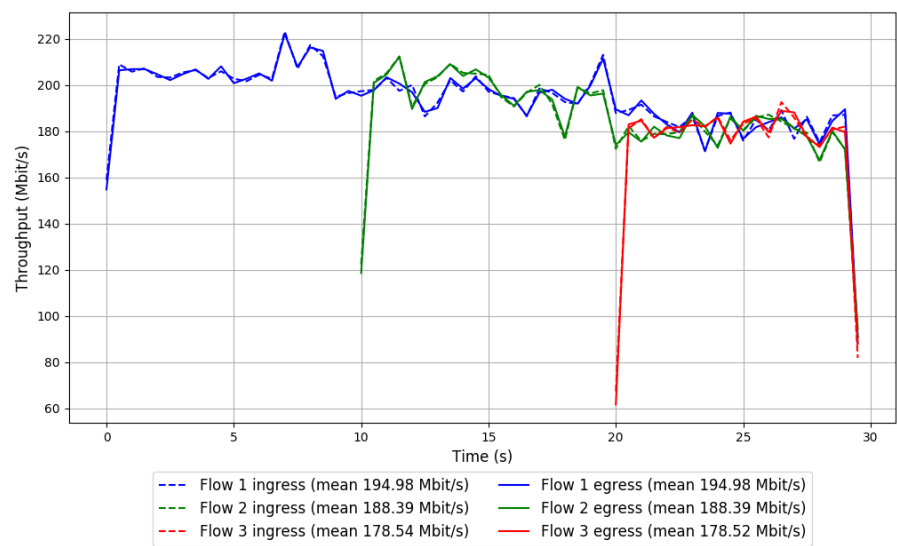
-- Flow 3:

Average throughput: 178.52 Mbit/s

95th percentile per-packet one-way delay: 15.575 ms

Loss rate: 0.02%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-27 11:21:37

End at: 2018-01-27 11:22:07

Local clock offset: 3.016 ms

Below is generated by plot.py at 2018-01-27 20:20:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.27 Mbit/s

95th percentile per-packet one-way delay: 20.308 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 197.37 Mbit/s

95th percentile per-packet one-way delay: 19.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.56 Mbit/s

95th percentile per-packet one-way delay: 20.321 ms

Loss rate: 0.00%

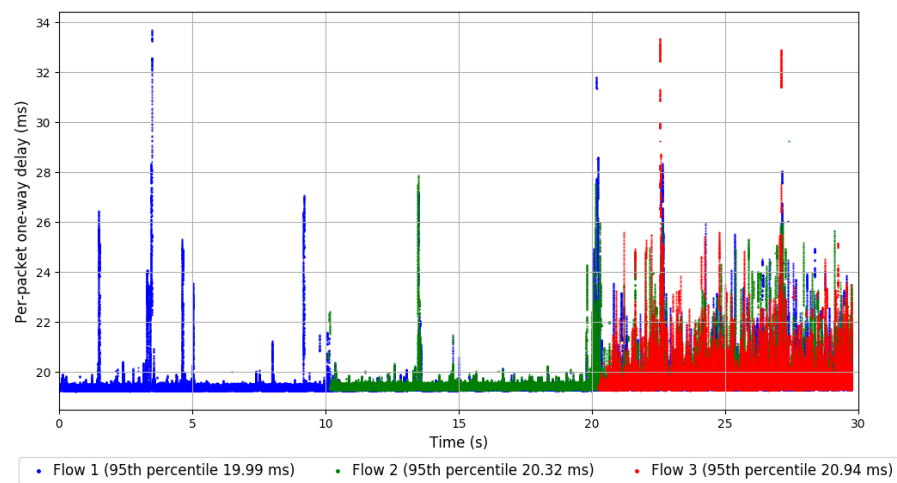
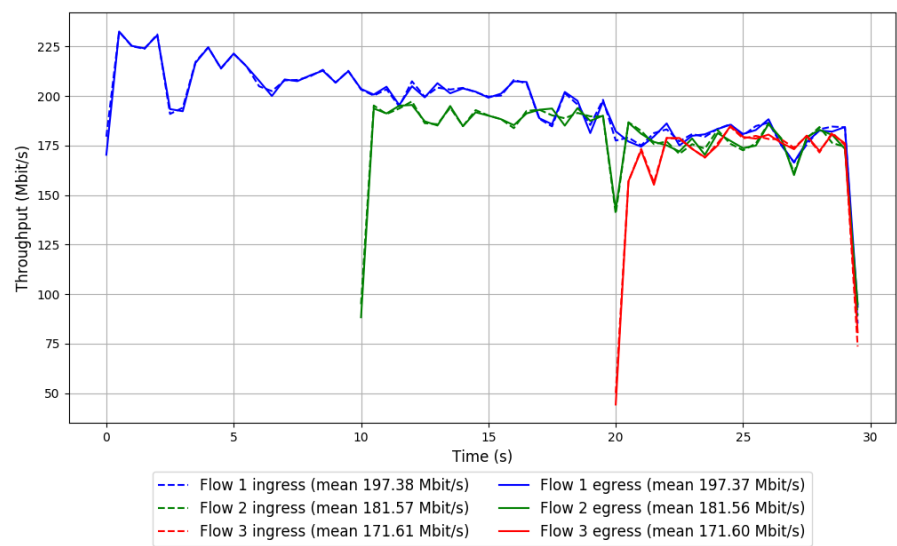
-- Flow 3:

Average throughput: 171.60 Mbit/s

95th percentile per-packet one-way delay: 20.942 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-27 12:12:20

End at: 2018-01-27 12:12:50

Local clock offset: -1.442 ms

Below is generated by plot.py at 2018-01-27 20:21:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.48 Mbit/s

95th percentile per-packet one-way delay: 16.080 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 192.61 Mbit/s

95th percentile per-packet one-way delay: 15.995 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 188.17 Mbit/s

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

Loss rate: 0.01%

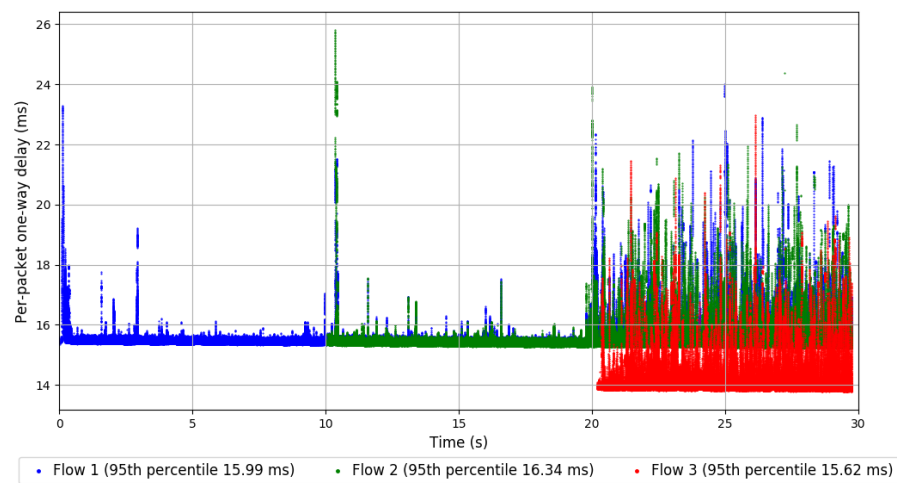
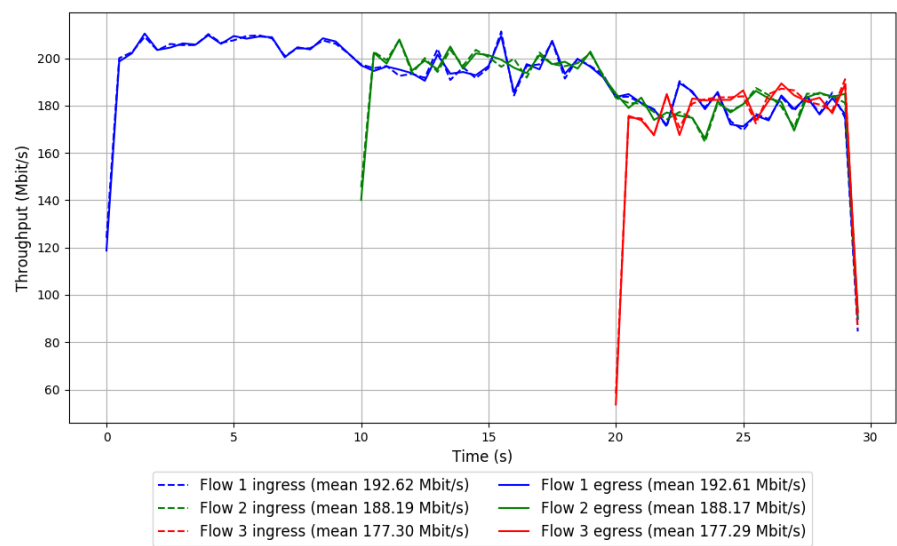
-- Flow 3:

Average throughput: 177.29 Mbit/s

95th percentile per-packet one-way delay: 15.621 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-27 13:02:59

End at: 2018-01-27 13:03:29

Local clock offset: -6.9 ms

Below is generated by plot.py at 2018-01-27 20:21:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.85 Mbit/s

95th percentile per-packet one-way delay: 11.298 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 187.70 Mbit/s

95th percentile per-packet one-way delay: 10.935 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.40 Mbit/s

95th percentile per-packet one-way delay: 11.289 ms

Loss rate: 0.01%

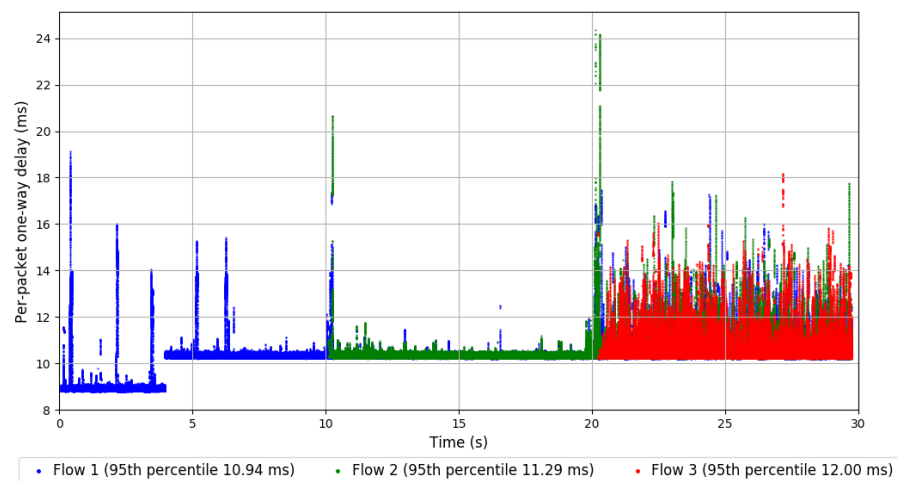
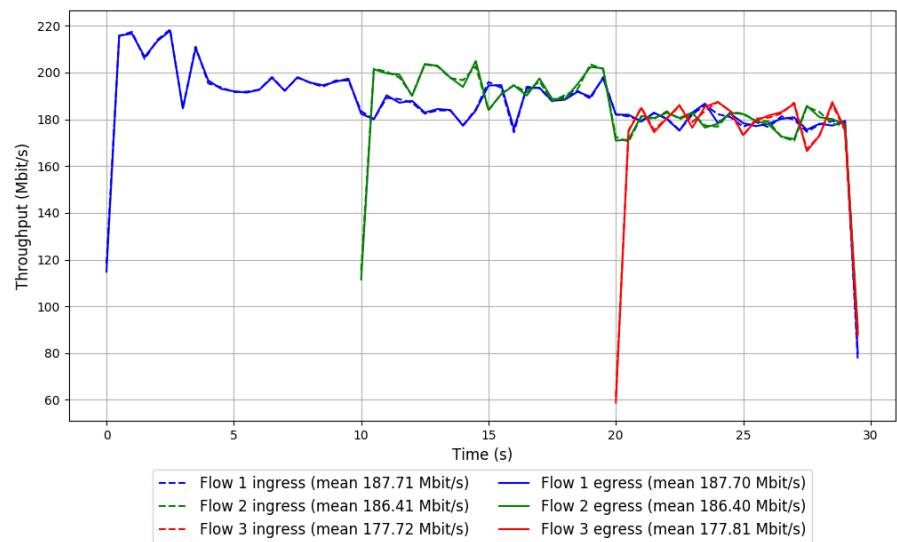
-- Flow 3:

Average throughput: 177.81 Mbit/s

95th percentile per-packet one-way delay: 11.999 ms

Loss rate: 0.01%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-27 13:53:38

End at: 2018-01-27 13:54:08

Local clock offset: 0.276 ms

Below is generated by plot.py at 2018-01-27 20:21:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.75 Mbit/s

95th percentile per-packet one-way delay: 19.099 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.65 Mbit/s

95th percentile per-packet one-way delay: 18.906 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.69 Mbit/s

95th percentile per-packet one-way delay: 18.938 ms

Loss rate: 0.00%

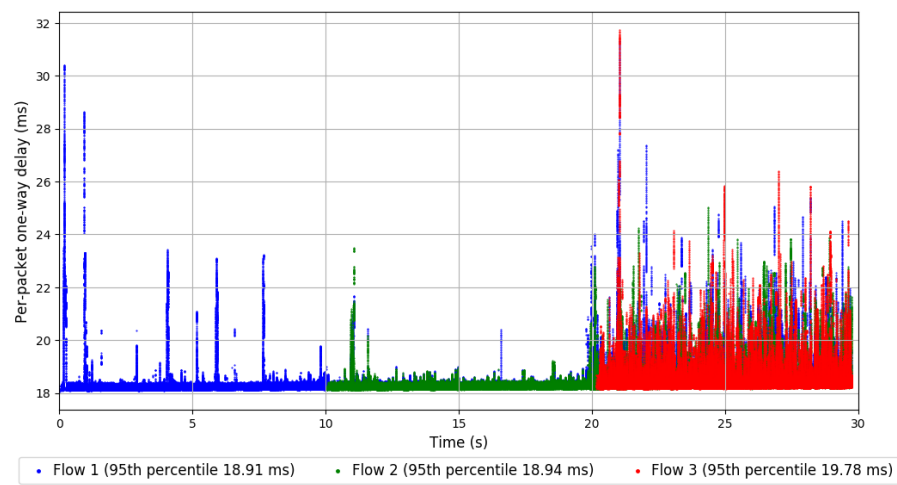
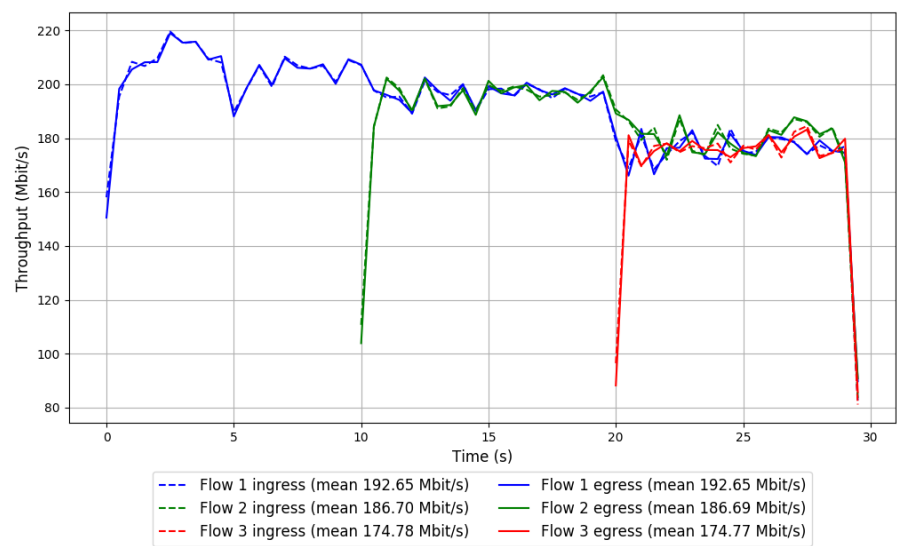
-- Flow 3:

Average throughput: 174.77 Mbit/s

95th percentile per-packet one-way delay: 19.777 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-27 14:43:58

End at: 2018-01-27 14:44:28

Local clock offset: 3.365 ms

Below is generated by plot.py at 2018-01-27 20:23:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.22 Mbit/s

95th percentile per-packet one-way delay: 21.307 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 189.88 Mbit/s

95th percentile per-packet one-way delay: 19.875 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 187.28 Mbit/s

95th percentile per-packet one-way delay: 21.465 ms

Loss rate: 0.00%

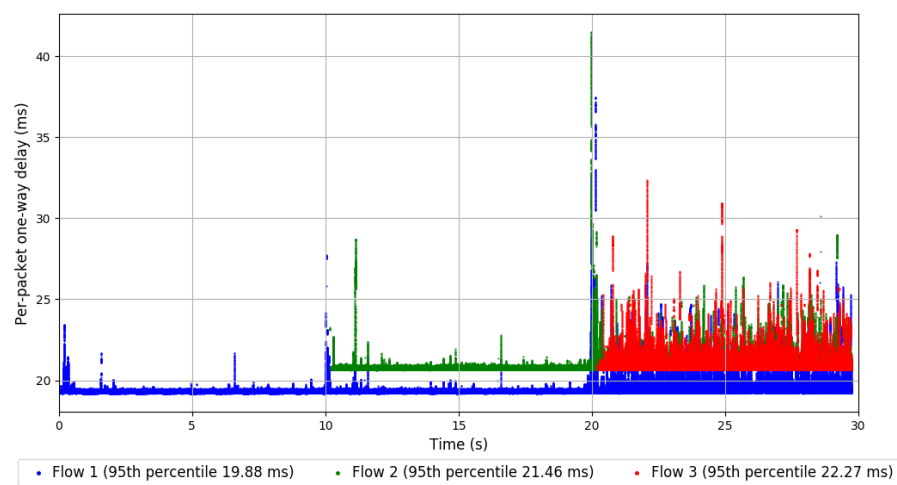
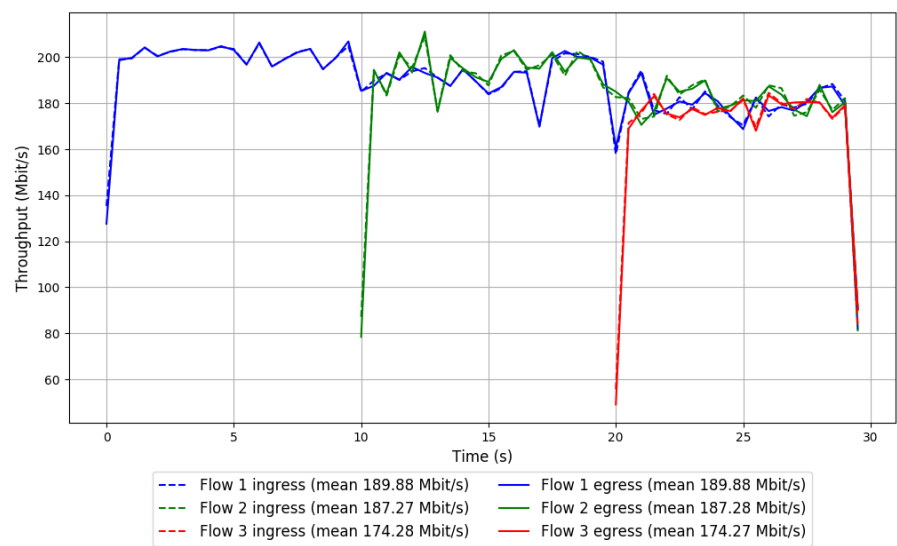
-- Flow 3:

Average throughput: 174.27 Mbit/s

95th percentile per-packet one-way delay: 22.274 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-27 15:34:37

End at: 2018-01-27 15:35:07

Local clock offset: -1.701 ms

Below is generated by plot.py at 2018-01-27 20:23:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.52 Mbit/s

95th percentile per-packet one-way delay: 15.420 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 192.48 Mbit/s

95th percentile per-packet one-way delay: 15.230 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 188.29 Mbit/s

95th percentile per-packet one-way delay: 15.235 ms

Loss rate: 0.02%

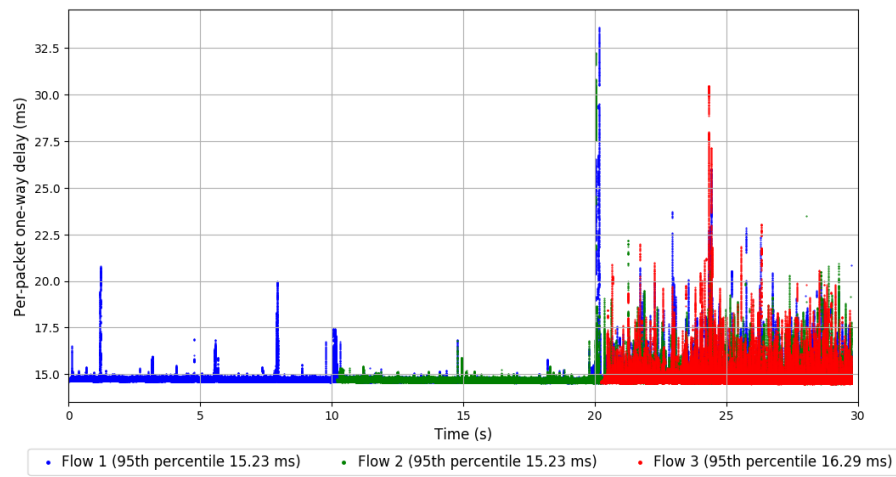
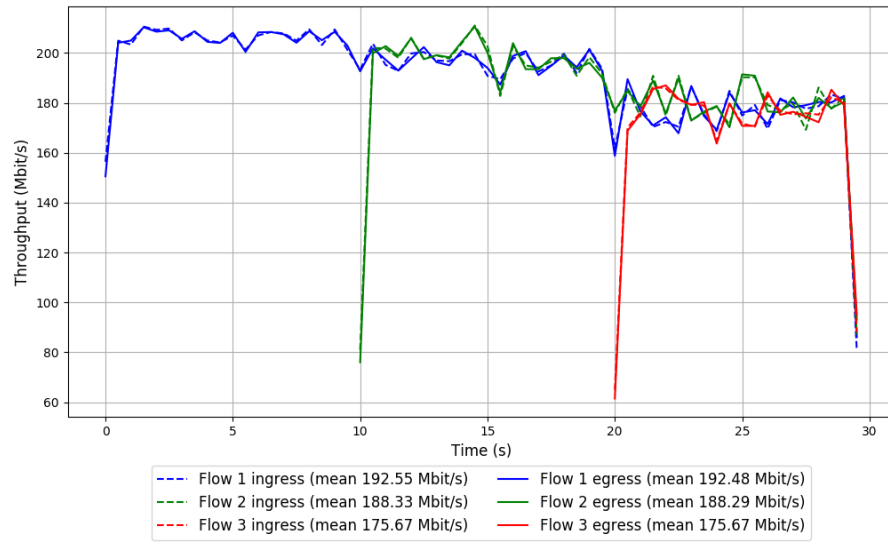
-- Flow 3:

Average throughput: 175.67 Mbit/s

95th percentile per-packet one-way delay: 16.286 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-27 16:25:21

End at: 2018-01-27 16:25:51

Local clock offset: -4.432 ms

Below is generated by plot.py at 2018-01-27 20:23:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.61 Mbit/s

95th percentile per-packet one-way delay: 12.927 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 192.63 Mbit/s

95th percentile per-packet one-way delay: 12.890 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 187.31 Mbit/s

95th percentile per-packet one-way delay: 11.592 ms

Loss rate: 0.00%

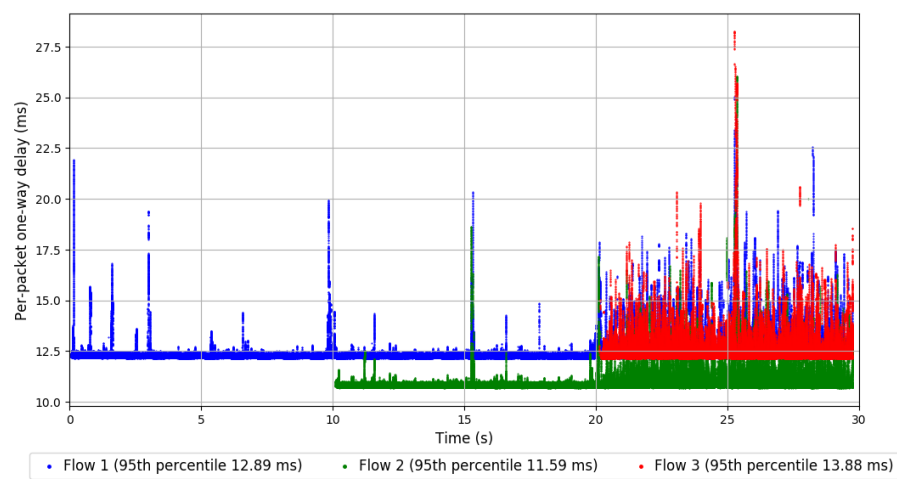
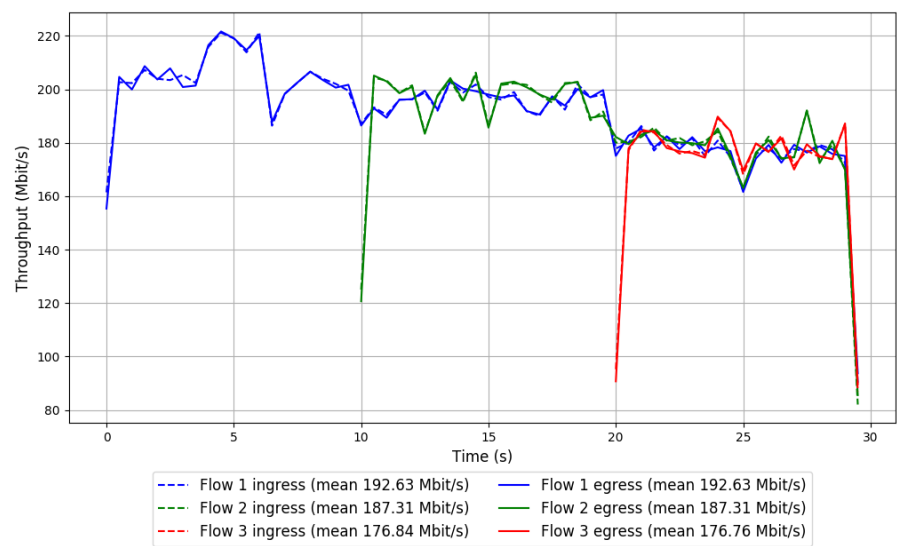
-- Flow 3:

Average throughput: 176.76 Mbit/s

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

Loss rate: 0.04%

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



Run 1: Statistics of Indigo-1-128

Start at: 2018-01-27 09:17:46

End at: 2018-01-27 09:18:16

Local clock offset: -3.123 ms

Below is generated by plot.py at 2018-01-27 20:25:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.30 Mbit/s

95th percentile per-packet one-way delay: 15.316 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 14.708 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 189.62 Mbit/s

95th percentile per-packet one-way delay: 15.526 ms

Loss rate: 0.05%

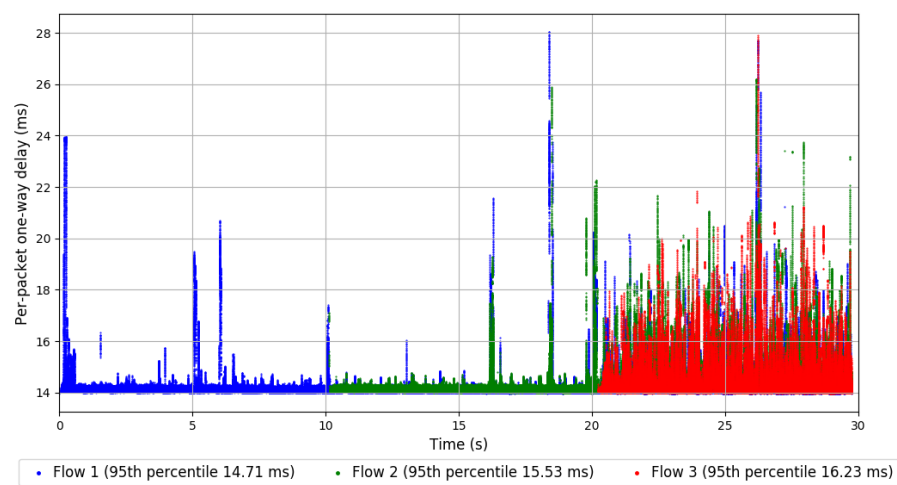
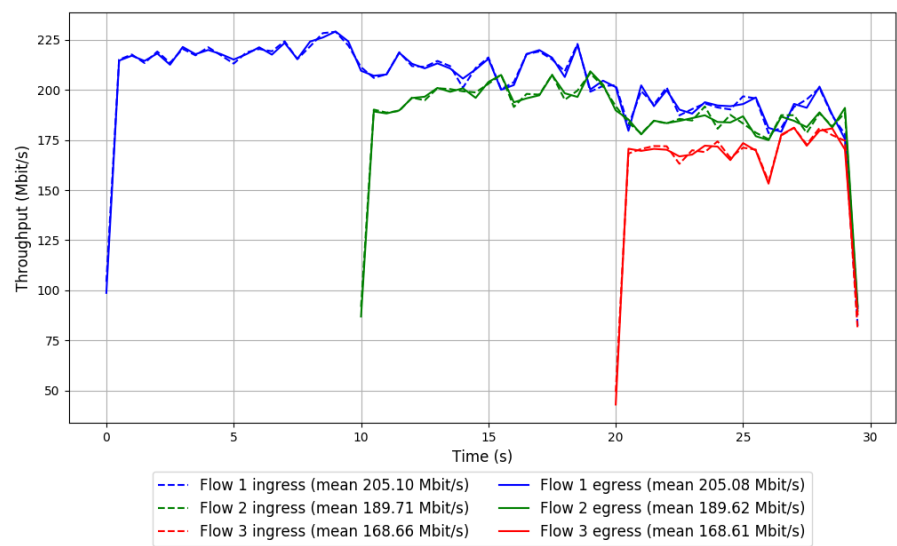
-- Flow 3:

Average throughput: 168.61 Mbit/s

95th percentile per-packet one-way delay: 16.230 ms

Loss rate: 0.03%

Run 1: Report of Indigo-1-128 — Data Link



Run 2: Statistics of Indigo-1-128

Start at: 2018-01-27 10:08:26

End at: 2018-01-27 10:08:56

Local clock offset: -2.796 ms

Below is generated by plot.py at 2018-01-27 20:26:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.63 Mbit/s

95th percentile per-packet one-way delay: 15.938 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 202.13 Mbit/s

95th percentile per-packet one-way delay: 15.346 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 193.01 Mbit/s

95th percentile per-packet one-way delay: 16.161 ms

Loss rate: 0.00%

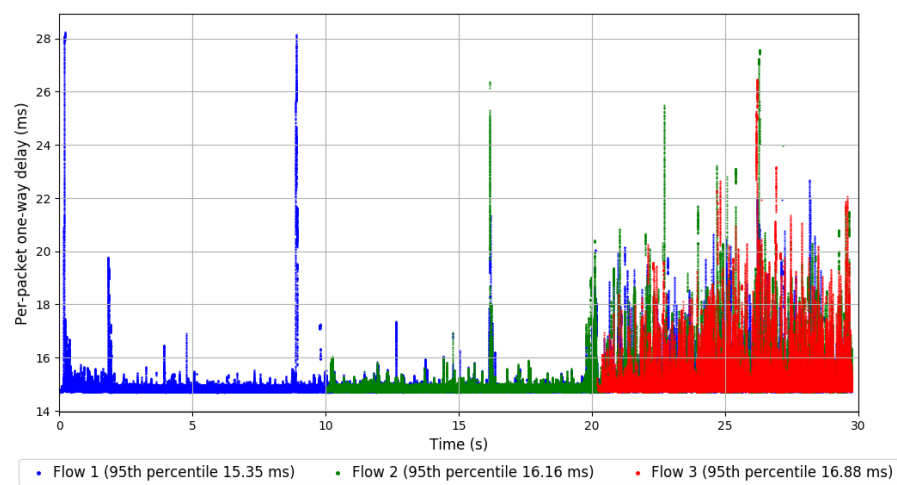
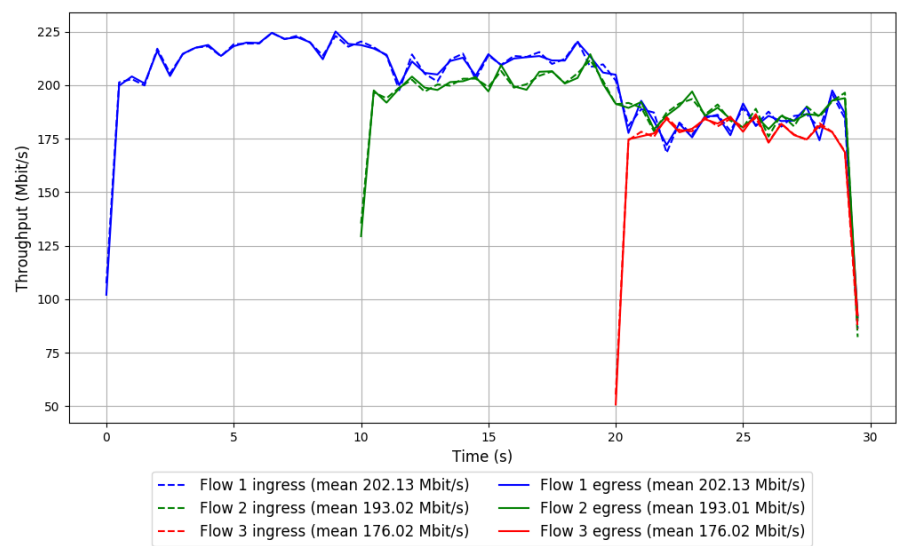
-- Flow 3:

Average throughput: 176.02 Mbit/s

95th percentile per-packet one-way delay: 16.879 ms

Loss rate: 0.00%

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-27 10:59:08

End at: 2018-01-27 10:59:38

Local clock offset: -1.877 ms

Below is generated by plot.py at 2018-01-27 20:27:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.56 Mbit/s

95th percentile per-packet one-way delay: 17.268 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 212.09 Mbit/s

95th percentile per-packet one-way delay: 16.015 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 190.14 Mbit/s

95th percentile per-packet one-way delay: 18.086 ms

Loss rate: 0.02%

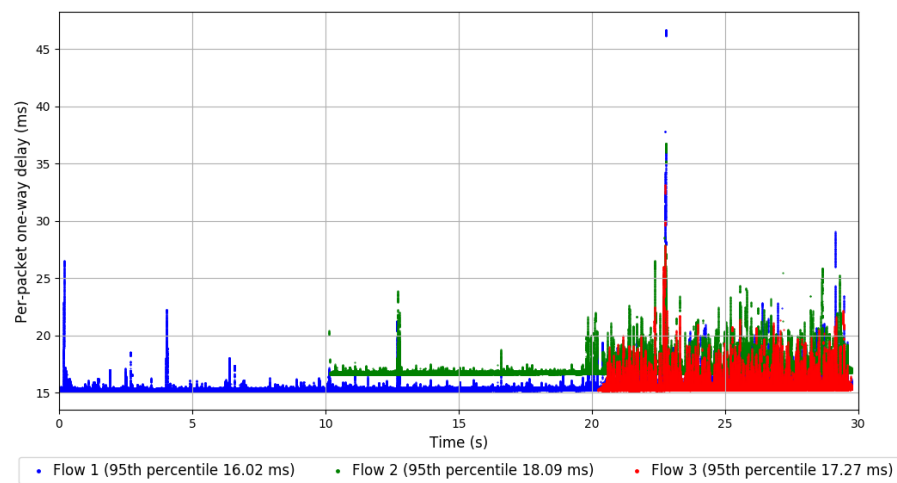
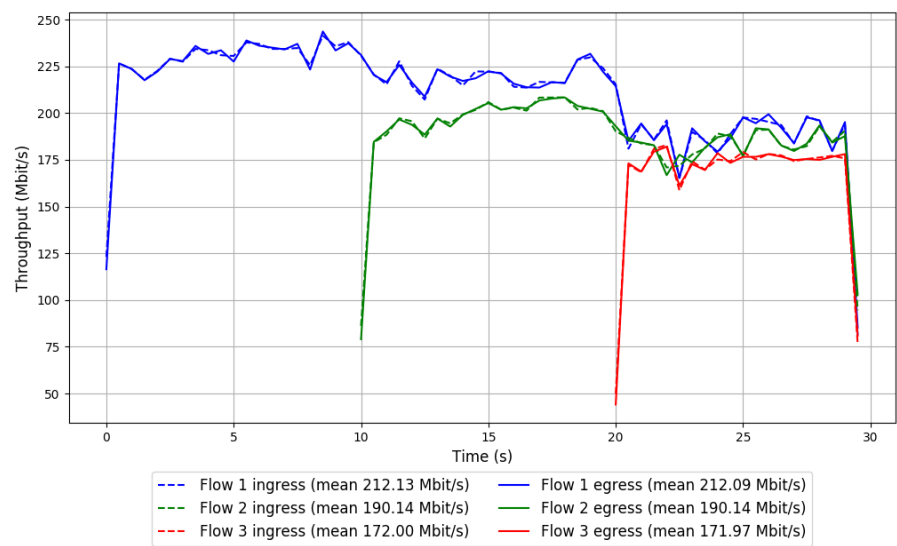
-- Flow 3:

Average throughput: 171.97 Mbit/s

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

Loss rate: 0.01%

Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-27 11:49:52

End at: 2018-01-27 11:50:22

Local clock offset: 3.087 ms

Below is generated by plot.py at 2018-01-27 20:27:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.34 Mbit/s

95th percentile per-packet one-way delay: 21.917 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 204.15 Mbit/s

95th percentile per-packet one-way delay: 21.601 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 195.95 Mbit/s

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

Loss rate: 0.01%

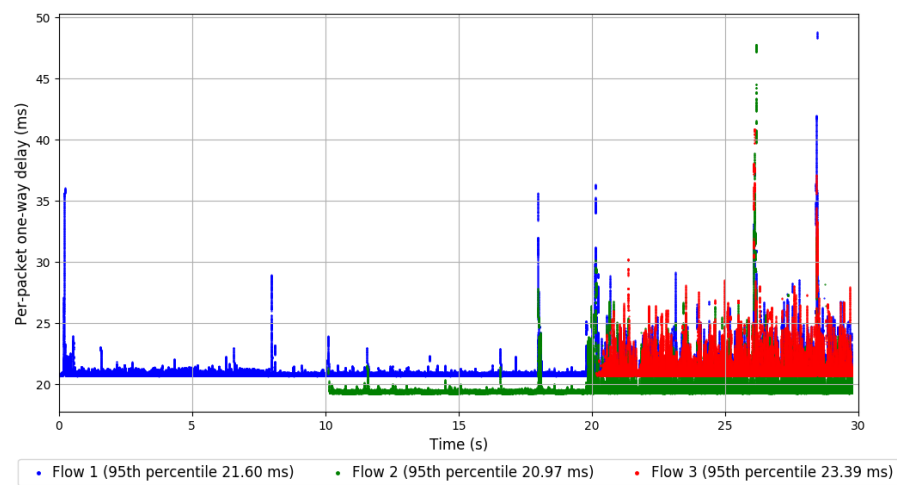
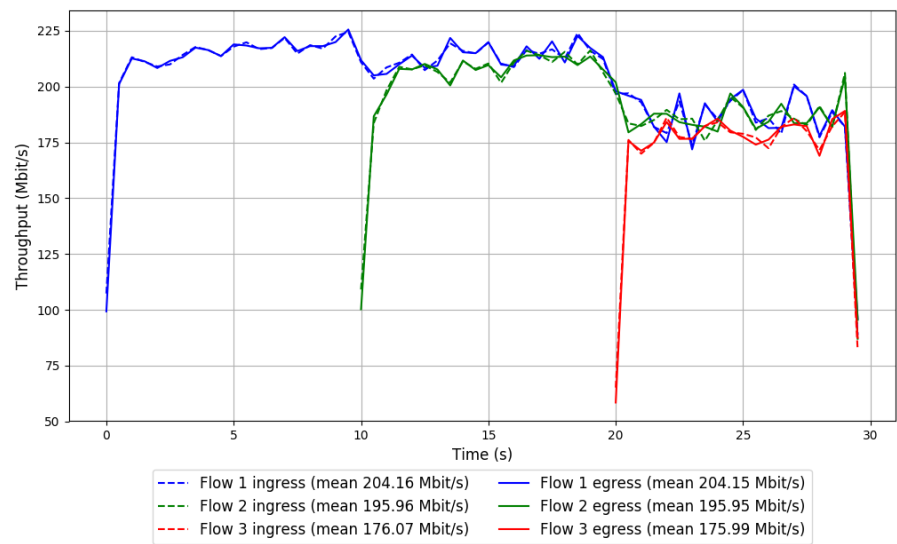
-- Flow 3:

Average throughput: 175.99 Mbit/s

95th percentile per-packet one-way delay: 23.390 ms

Loss rate: 0.03%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-27 12:40:34

End at: 2018-01-27 12:41:04

Local clock offset: -5.486 ms

Below is generated by plot.py at 2018-01-27 20:27:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.52 Mbit/s

95th percentile per-packet one-way delay: 13.054 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 208.05 Mbit/s

95th percentile per-packet one-way delay: 12.812 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 199.35 Mbit/s

95th percentile per-packet one-way delay: 12.919 ms

Loss rate: 0.00%

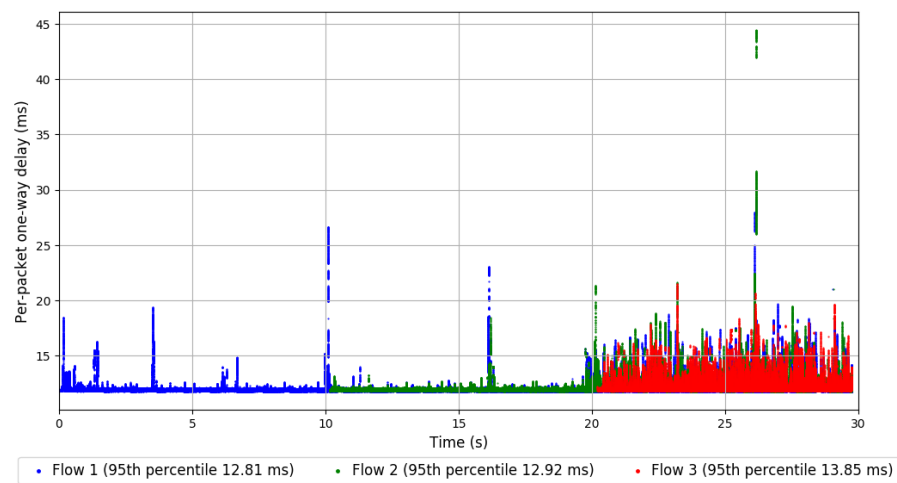
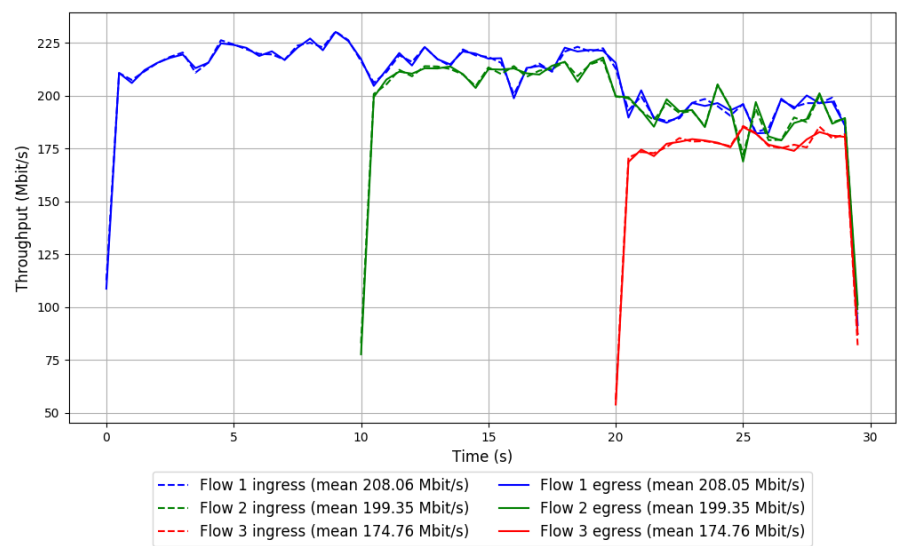
-- Flow 3:

Average throughput: 174.76 Mbit/s

95th percentile per-packet one-way delay: 13.852 ms

Loss rate: 0.00%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-27 13:31:12

End at: 2018-01-27 13:31:42

Local clock offset: -3.372 ms

Below is generated by plot.py at 2018-01-27 20:28:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.63 Mbit/s

95th percentile per-packet one-way delay: 15.284 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 205.33 Mbit/s

95th percentile per-packet one-way delay: 14.576 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.69 Mbit/s

95th percentile per-packet one-way delay: 15.449 ms

Loss rate: 0.01%

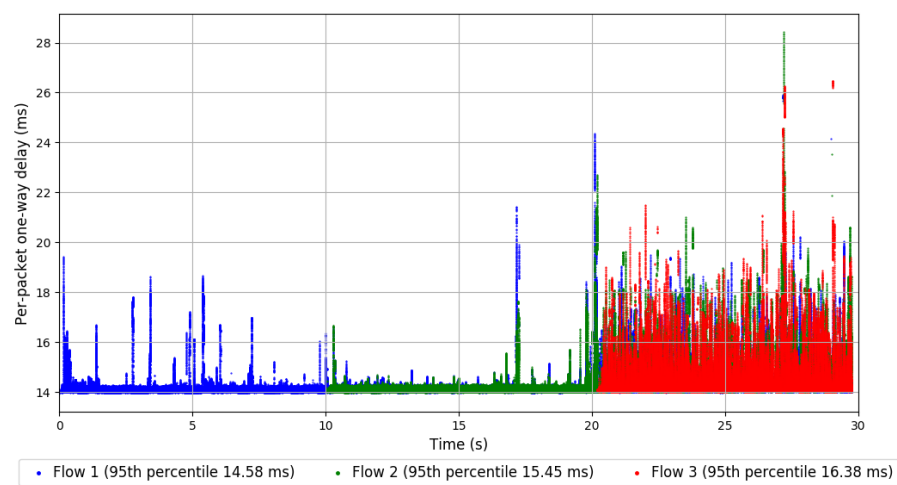
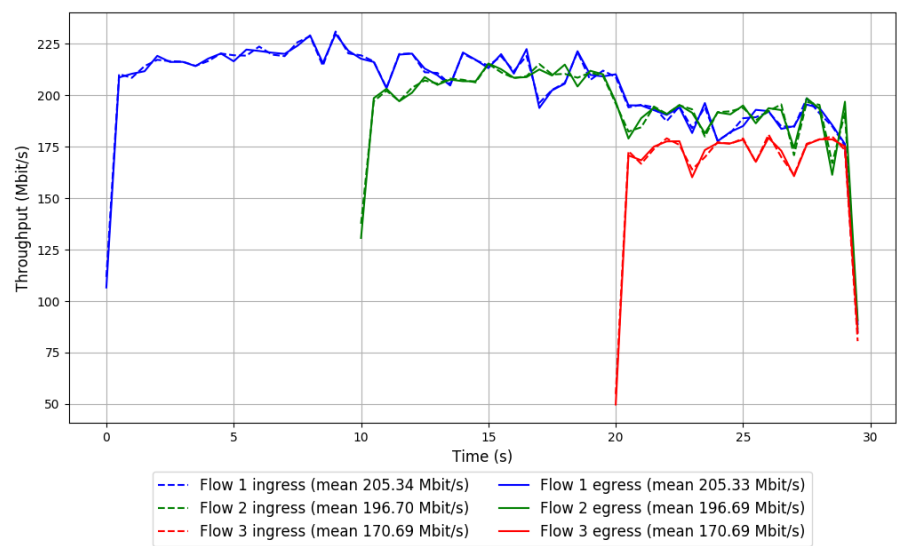
-- Flow 3:

Average throughput: 170.69 Mbit/s

95th percentile per-packet one-way delay: 16.379 ms

Loss rate: 0.00%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-27 14:21:30

End at: 2018-01-27 14:22:00

Local clock offset: 3.903 ms

Below is generated by plot.py at 2018-01-27 20:28:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.00 Mbit/s

95th percentile per-packet one-way delay: 22.073 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 204.72 Mbit/s

95th percentile per-packet one-way delay: 21.623 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 192.37 Mbit/s

95th percentile per-packet one-way delay: 22.114 ms

Loss rate: 0.05%

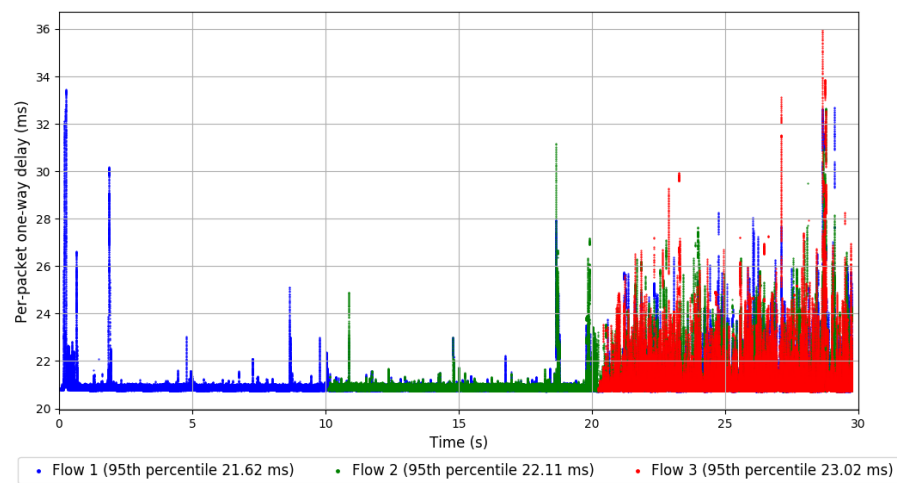
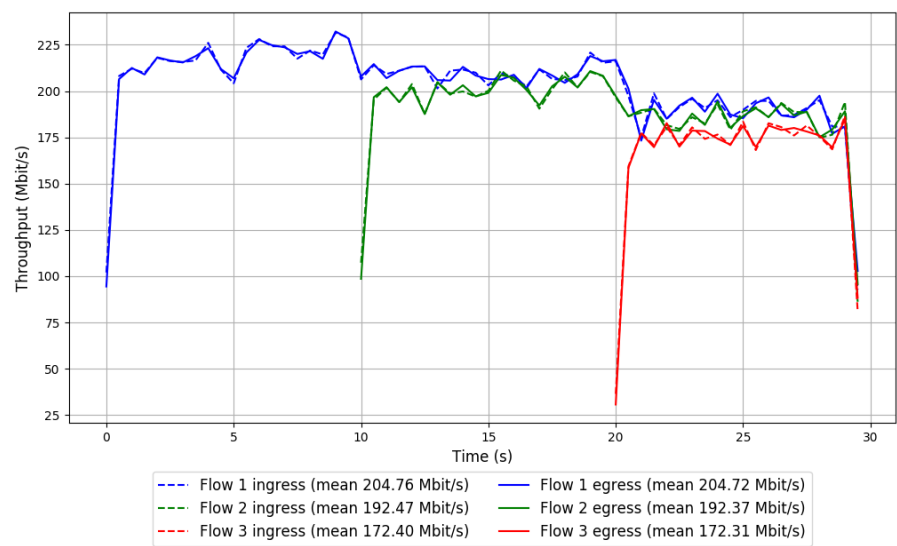
-- Flow 3:

Average throughput: 172.31 Mbit/s

95th percentile per-packet one-way delay: 23.025 ms

Loss rate: 0.06%

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-27 15:12:12

End at: 2018-01-27 15:12:42

Local clock offset: 1.41 ms

Below is generated by plot.py at 2018-01-27 20:28:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.73 Mbit/s

95th percentile per-packet one-way delay: 19.869 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 203.59 Mbit/s

95th percentile per-packet one-way delay: 19.551 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 194.95 Mbit/s

95th percentile per-packet one-way delay: 19.867 ms

Loss rate: 0.02%

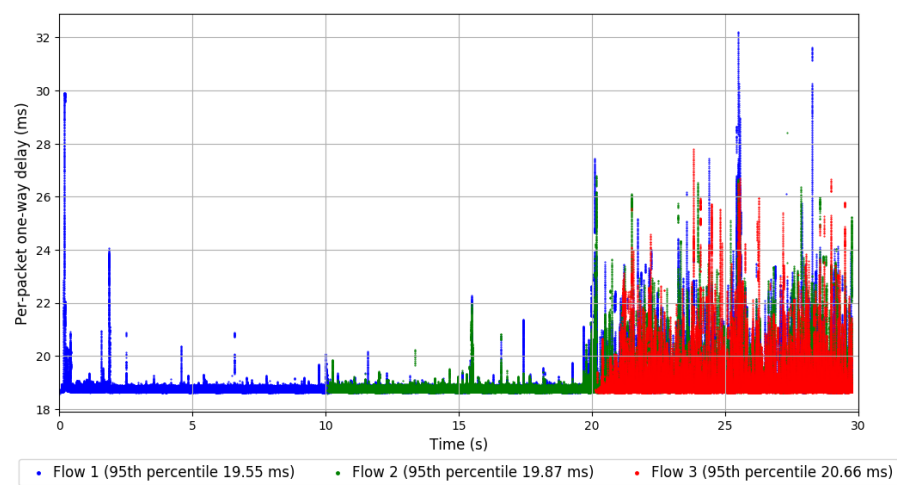
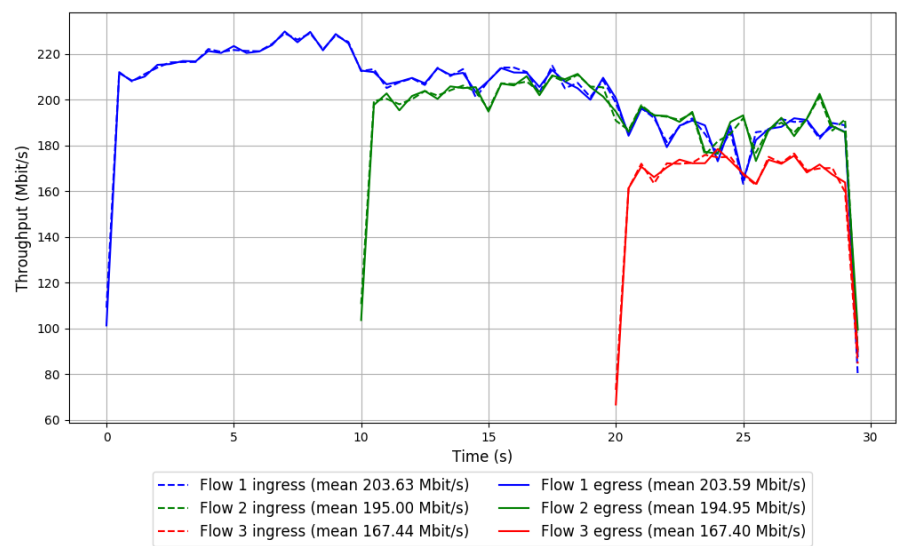
-- Flow 3:

Average throughput: 167.40 Mbit/s

95th percentile per-packet one-way delay: 20.656 ms

Loss rate: 0.03%

Run 8: Report of Indigo-1-128 — Data Link



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-27 16:02:53

End at: 2018-01-27 16:03:23

Local clock offset: -5.961 ms

Below is generated by plot.py at 2018-01-27 20:28:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.15 Mbit/s

95th percentile per-packet one-way delay: 12.725 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 206.35 Mbit/s

95th percentile per-packet one-way delay: 12.257 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 191.48 Mbit/s

95th percentile per-packet one-way delay: 12.891 ms

Loss rate: 0.01%

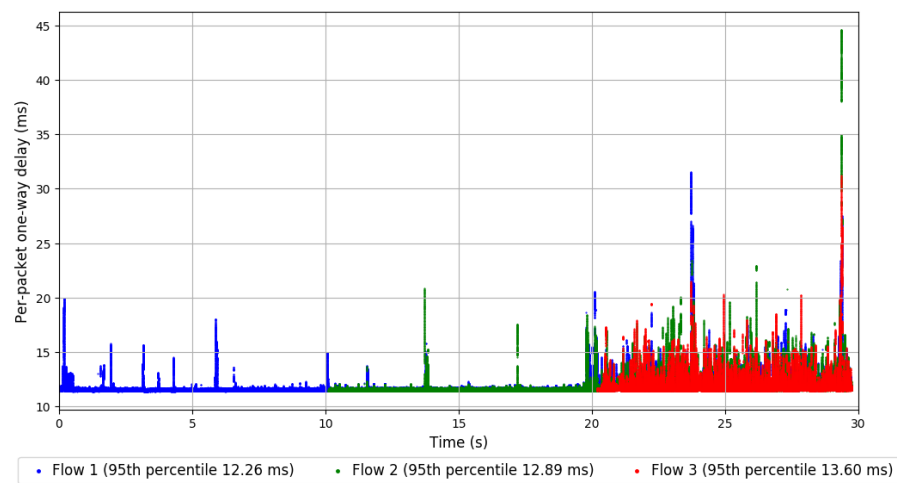
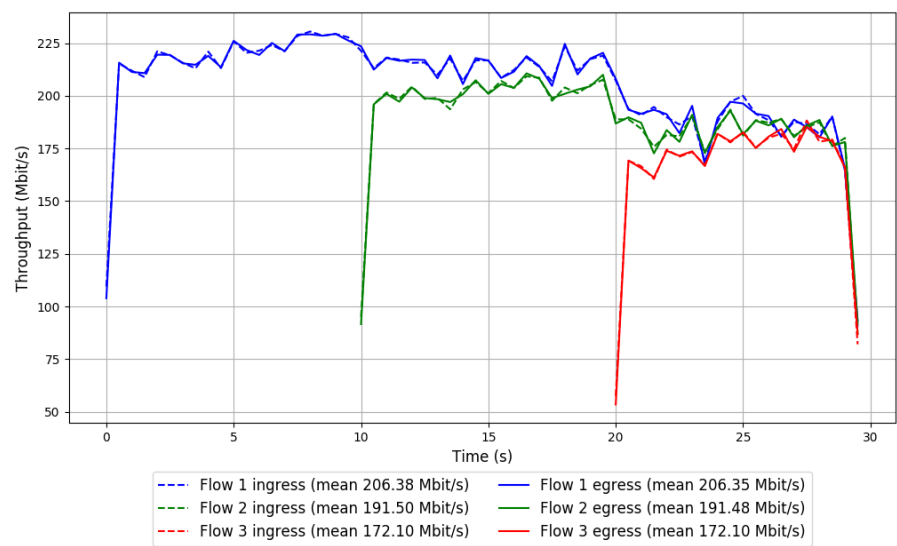
-- Flow 3:

Average throughput: 172.10 Mbit/s

95th percentile per-packet one-way delay: 13.599 ms

Loss rate: 0.02%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-27 16:53:34

End at: 2018-01-27 16:54:04

Local clock offset: -4.027 ms

Below is generated by plot.py at 2018-01-27 20:28:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.57 Mbit/s

95th percentile per-packet one-way delay: 13.515 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 206.37 Mbit/s

95th percentile per-packet one-way delay: 13.272 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 195.09 Mbit/s

95th percentile per-packet one-way delay: 13.351 ms

Loss rate: 0.01%

-- Flow 3:

Average throughput: 164.88 Mbit/s

95th percentile per-packet one-way delay: 14.468 ms

Loss rate: 0.02%

Run 10: Report of Indigo-1-128 — Data Link

