

Pantheon Report

Generated at 2018-04-18 02:11:19 (UTC).

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

Repeated the test of 16 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**).

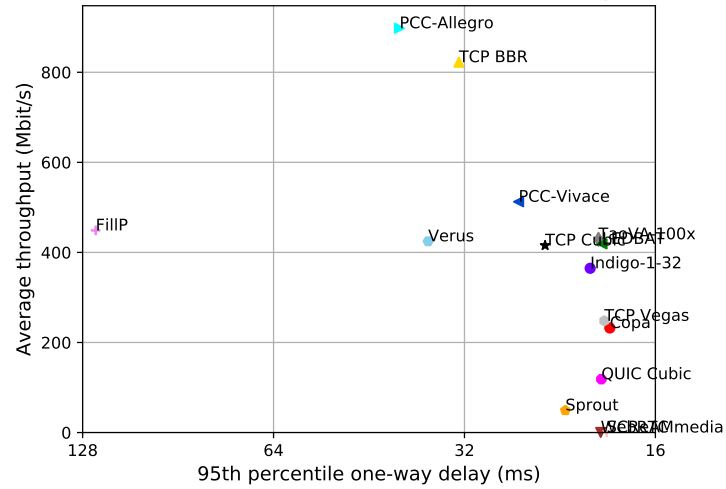
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:

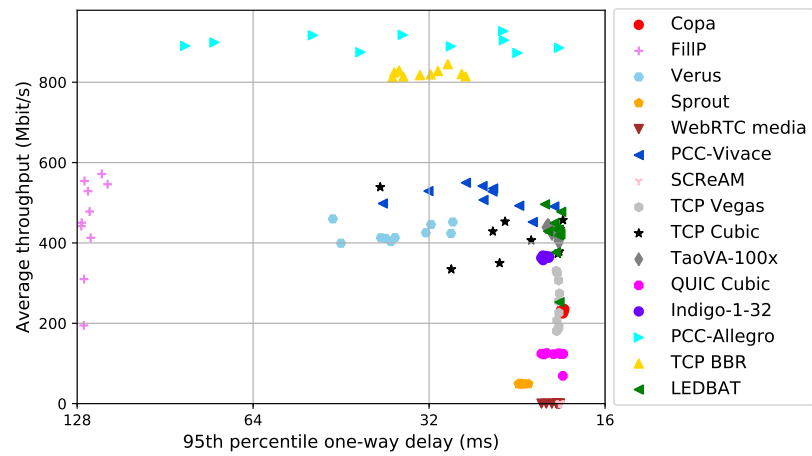
```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
```

third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581

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

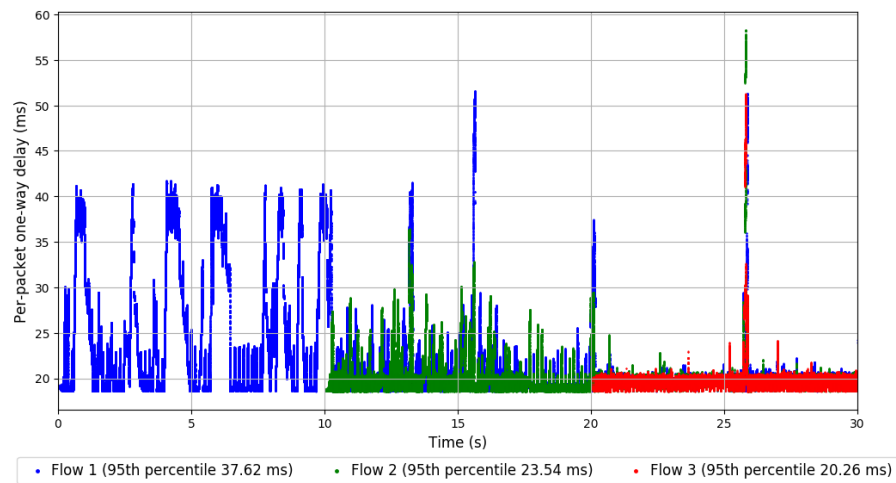
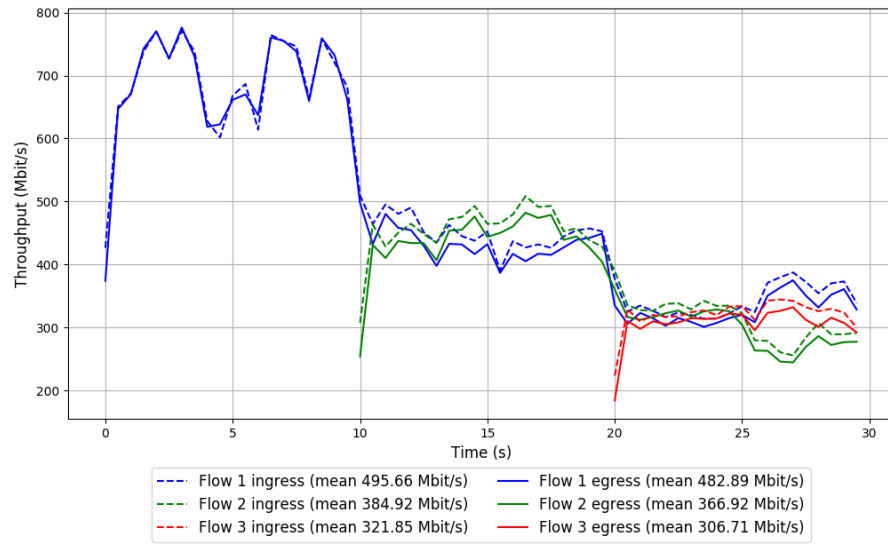


Run 1: Statistics of TCP BBR

Start at: 2018-04-17 17:55:01
End at: 2018-04-17 17:55:31
Local clock offset: -0.047 ms
Remote clock offset: -4.896 ms

Below is generated by plot.py at 2018-04-18 00:28:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 829.12 Mbit/s
95th percentile per-packet one-way delay: 36.021 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 482.89 Mbit/s
95th percentile per-packet one-way delay: 37.616 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 366.92 Mbit/s
95th percentile per-packet one-way delay: 23.536 ms
Loss rate: 4.67%
-- Flow 3:
Average throughput: 306.71 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 4.70%

Run 1: Report of TCP BBR — Data Link

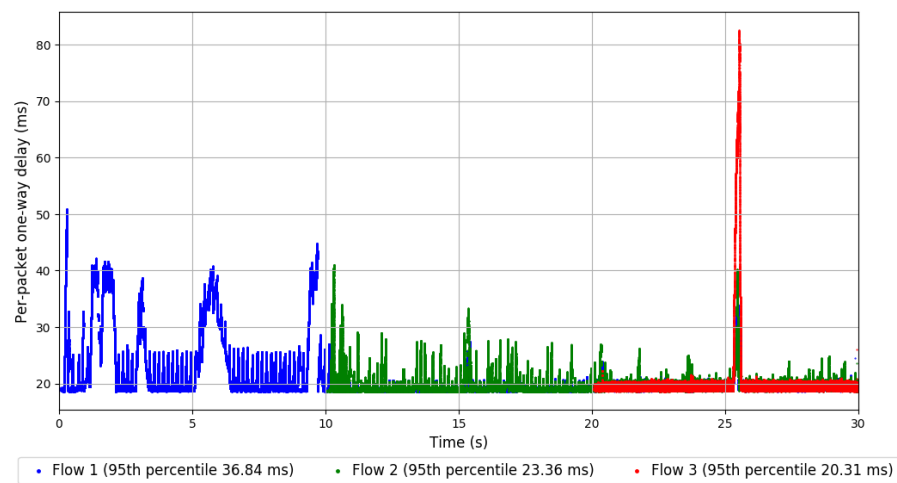
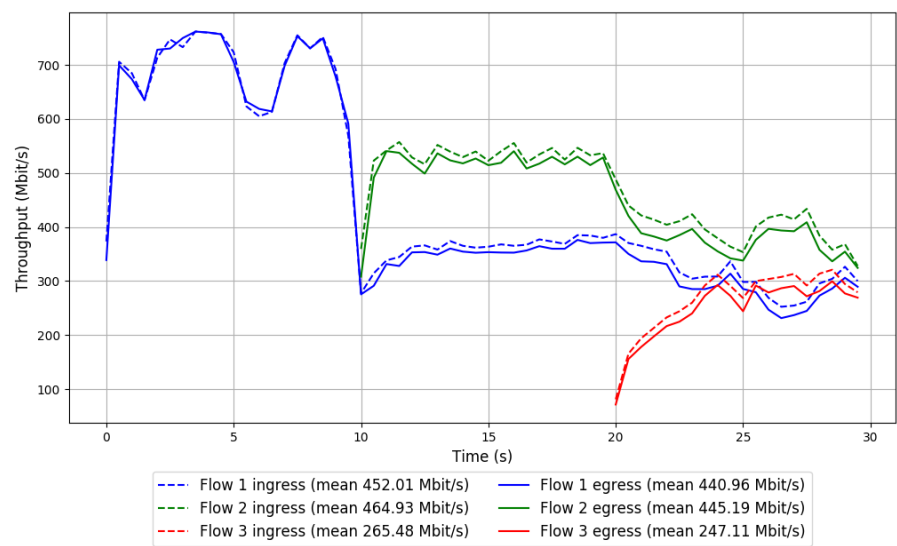


Run 2: Statistics of TCP BBR

Start at: 2018-04-17 18:21:41
End at: 2018-04-17 18:22:11
Local clock offset: -0.062 ms
Remote clock offset: -5.141 ms

Below is generated by plot.py at 2018-04-18 00:28:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 819.37 Mbit/s
95th percentile per-packet one-way delay: 31.807 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 440.96 Mbit/s
95th percentile per-packet one-way delay: 36.835 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 445.19 Mbit/s
95th percentile per-packet one-way delay: 23.362 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 247.11 Mbit/s
95th percentile per-packet one-way delay: 20.310 ms
Loss rate: 6.92%

Run 2: Report of TCP BBR — Data Link

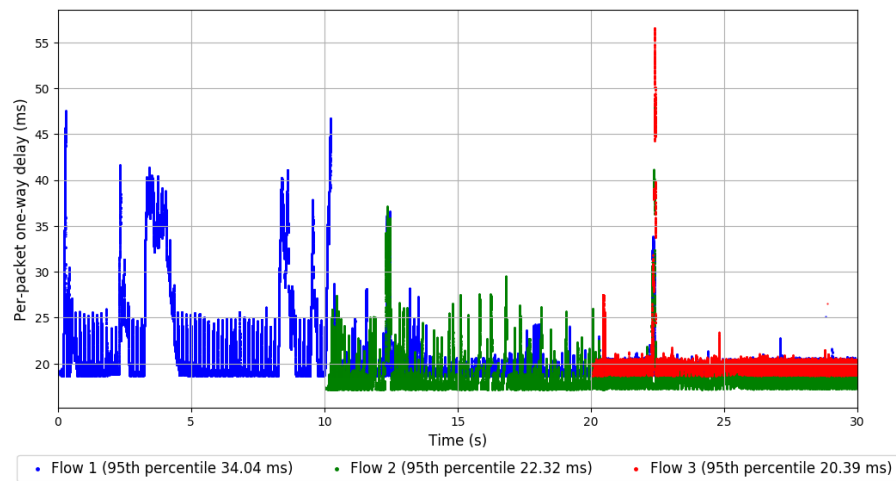
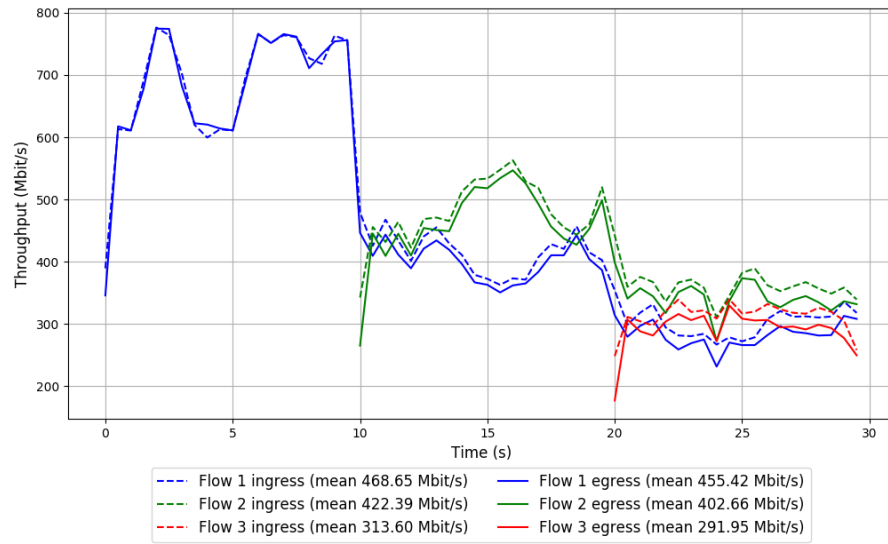


Run 3: Statistics of TCP BBR

Start at: 2018-04-17 18:48:13
End at: 2018-04-17 18:48:43
Local clock offset: 0.103 ms
Remote clock offset: -6.105 ms

Below is generated by plot.py at 2018-04-18 00:28:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 820.55 Mbit/s
95th percentile per-packet one-way delay: 28.141 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 455.42 Mbit/s
95th percentile per-packet one-way delay: 34.037 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 402.66 Mbit/s
95th percentile per-packet one-way delay: 22.316 ms
Loss rate: 4.67%
-- Flow 3:
Average throughput: 291.95 Mbit/s
95th percentile per-packet one-way delay: 20.389 ms
Loss rate: 6.91%

Run 3: Report of TCP BBR — Data Link

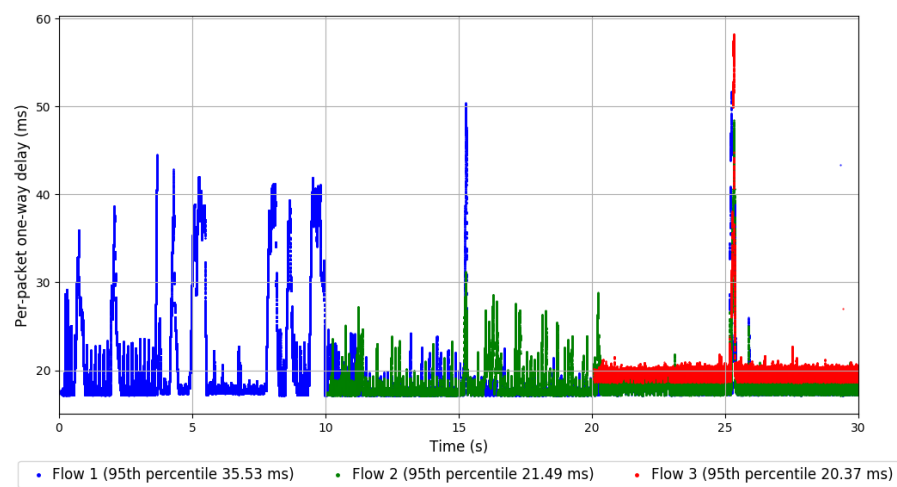
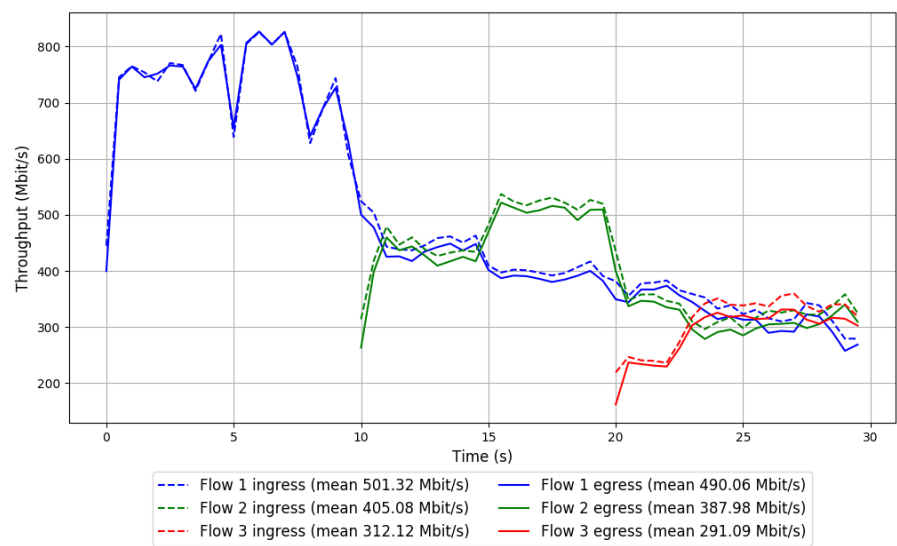


Run 4: Statistics of TCP BBR

Start at: 2018-04-17 19:15:00
End at: 2018-04-17 19:15:30
Local clock offset: 0.107 ms
Remote clock offset: -6.634 ms

Below is generated by plot.py at 2018-04-18 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 844.96 Mbit/s
95th percentile per-packet one-way delay: 29.722 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 490.06 Mbit/s
95th percentile per-packet one-way delay: 35.531 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 387.98 Mbit/s
95th percentile per-packet one-way delay: 21.488 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 291.09 Mbit/s
95th percentile per-packet one-way delay: 20.371 ms
Loss rate: 6.74%

Run 4: Report of TCP BBR — Data Link

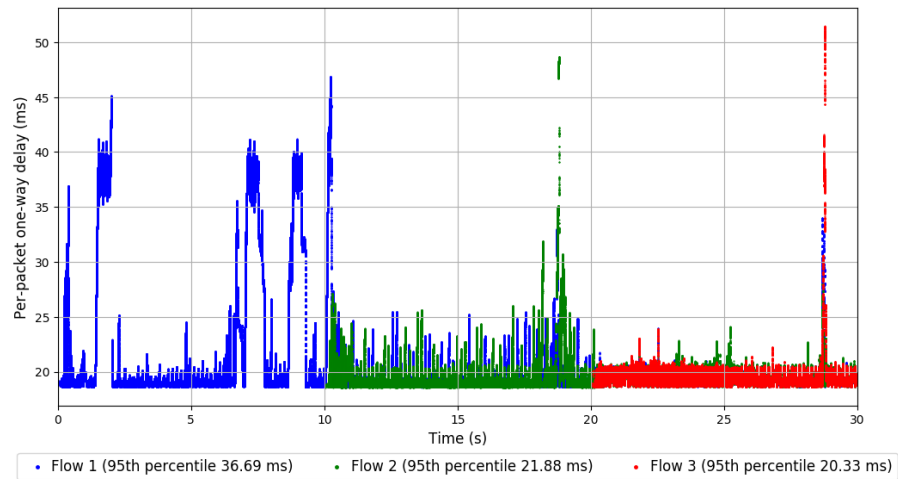
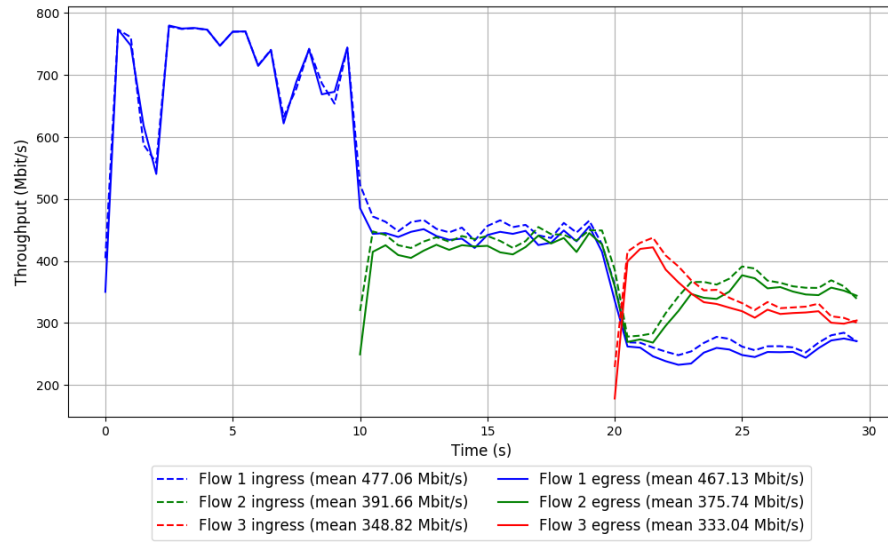


Run 5: Statistics of TCP BBR

Start at: 2018-04-17 19:41:26
End at: 2018-04-17 19:41:56
Local clock offset: 0.117 ms
Remote clock offset: -6.646 ms

Below is generated by plot.py at 2018-04-18 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.94 Mbit/s
95th percentile per-packet one-way delay: 30.907 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 467.13 Mbit/s
95th percentile per-packet one-way delay: 36.688 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 375.74 Mbit/s
95th percentile per-packet one-way delay: 21.875 ms
Loss rate: 4.06%
-- Flow 3:
Average throughput: 333.04 Mbit/s
95th percentile per-packet one-way delay: 20.327 ms
Loss rate: 4.52%

Run 5: Report of TCP BBR — Data Link

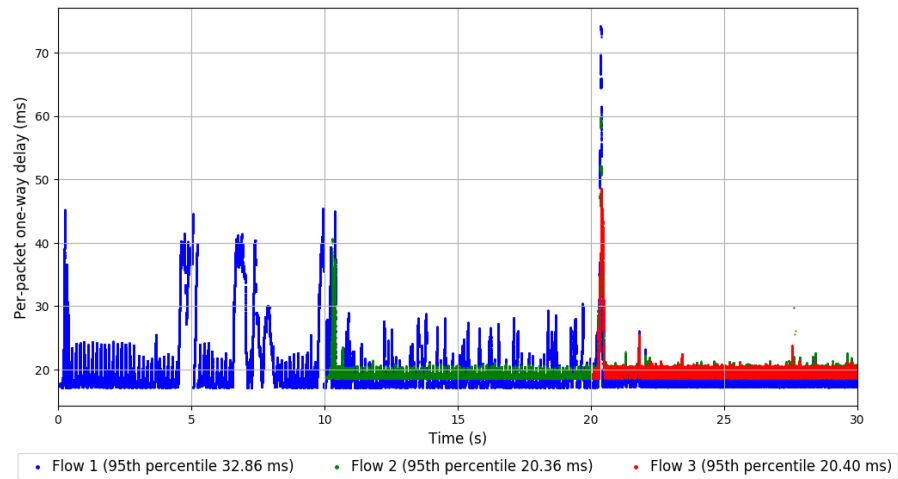
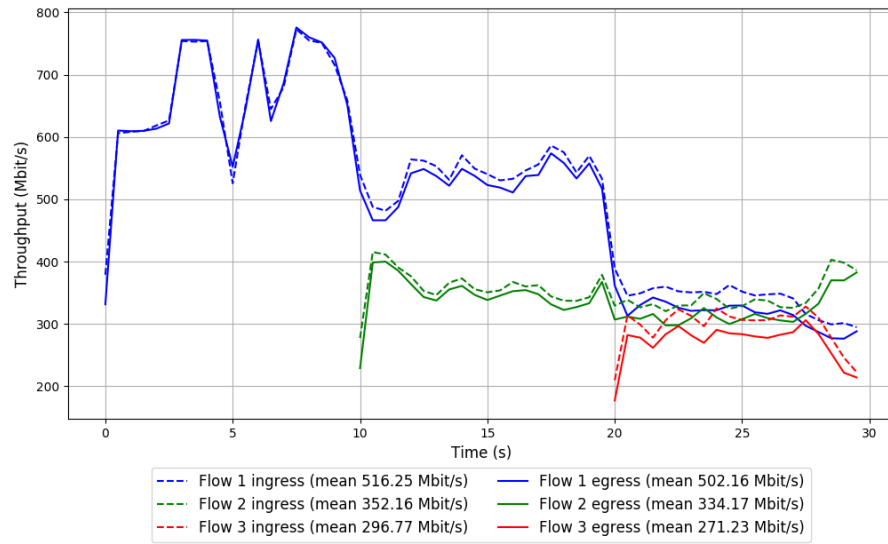


Run 6: Statistics of TCP BBR

Start at: 2018-04-17 20:08:04
End at: 2018-04-17 20:08:34
Local clock offset: 0.075 ms
Remote clock offset: -6.458 ms

Below is generated by plot.py at 2018-04-18 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.67 Mbit/s
95th percentile per-packet one-way delay: 27.713 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 502.16 Mbit/s
95th percentile per-packet one-way delay: 32.863 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 334.17 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 5.11%
-- Flow 3:
Average throughput: 271.23 Mbit/s
95th percentile per-packet one-way delay: 20.403 ms
Loss rate: 8.61%

Run 6: Report of TCP BBR — Data Link

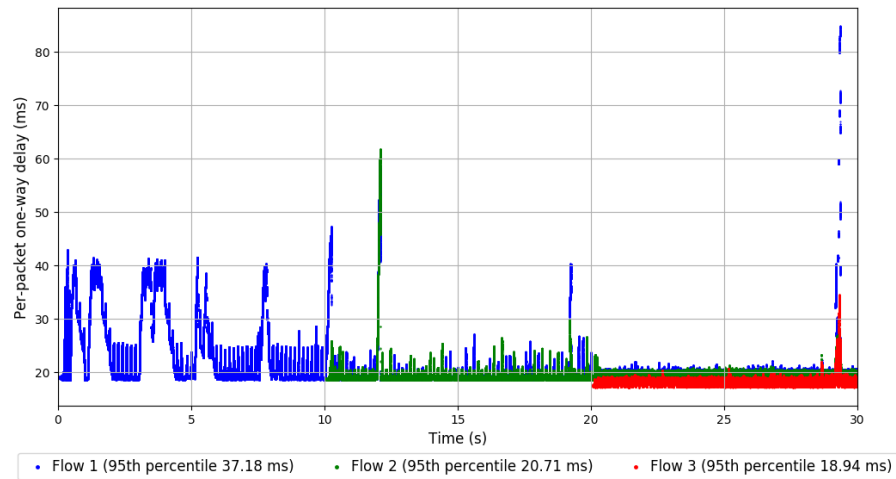
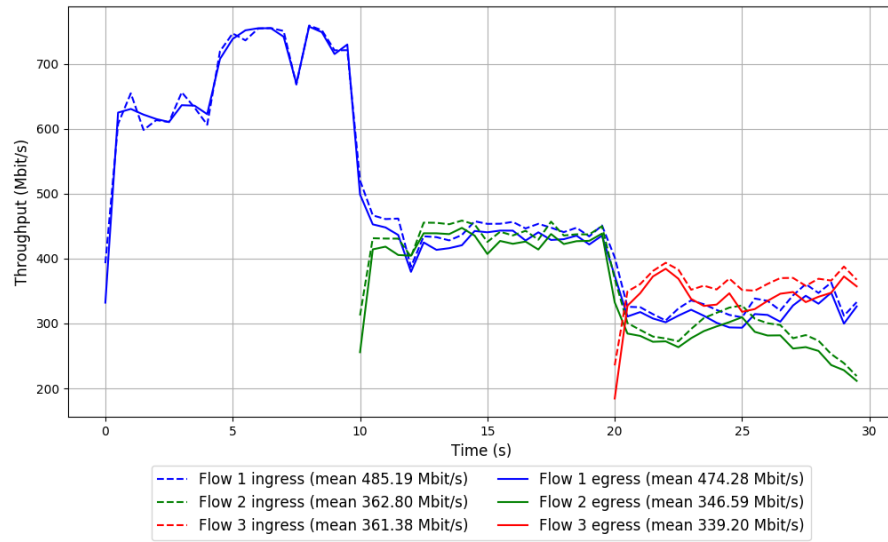


Run 7: Statistics of TCP BBR

Start at: 2018-04-17 20:34:45
End at: 2018-04-17 20:35:15
Local clock offset: 0.201 ms
Remote clock offset: -5.471 ms

Below is generated by plot.py at 2018-04-18 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 817.63 Mbit/s
95th percentile per-packet one-way delay: 33.176 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 474.28 Mbit/s
95th percentile per-packet one-way delay: 37.183 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 346.59 Mbit/s
95th percentile per-packet one-way delay: 20.711 ms
Loss rate: 4.47%
-- Flow 3:
Average throughput: 339.20 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 6.13%

Run 7: Report of TCP BBR — Data Link

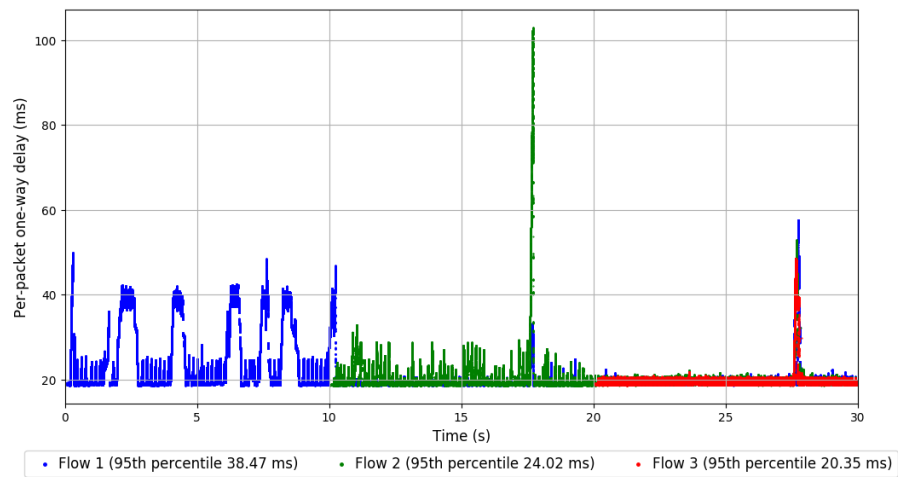
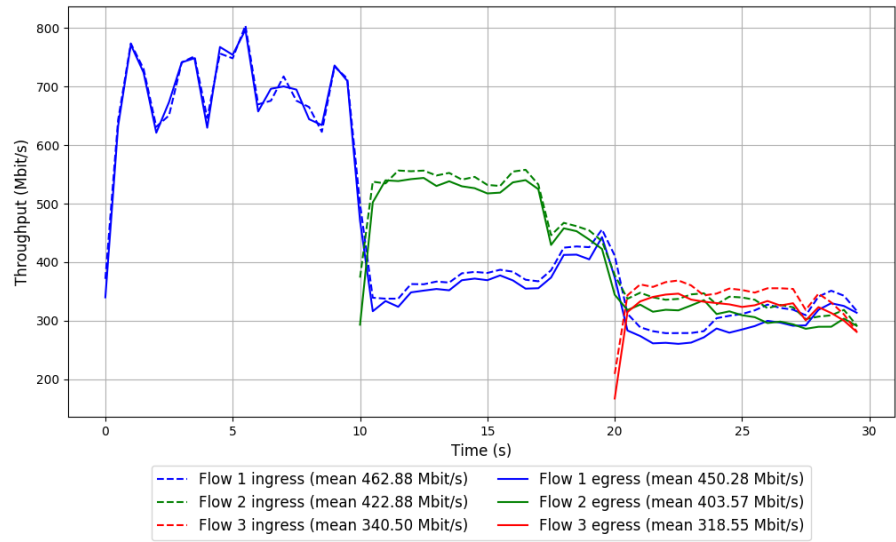


Run 8: Statistics of TCP BBR

Start at: 2018-04-17 21:01:16
End at: 2018-04-17 21:01:46
Local clock offset: 0.297 ms
Remote clock offset: -5.893 ms

Below is generated by plot.py at 2018-04-18 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.61 Mbit/s
95th percentile per-packet one-way delay: 36.705 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 450.28 Mbit/s
95th percentile per-packet one-way delay: 38.473 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 403.57 Mbit/s
95th percentile per-packet one-way delay: 24.023 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 318.55 Mbit/s
95th percentile per-packet one-way delay: 20.354 ms
Loss rate: 6.44%

Run 8: Report of TCP BBR — Data Link

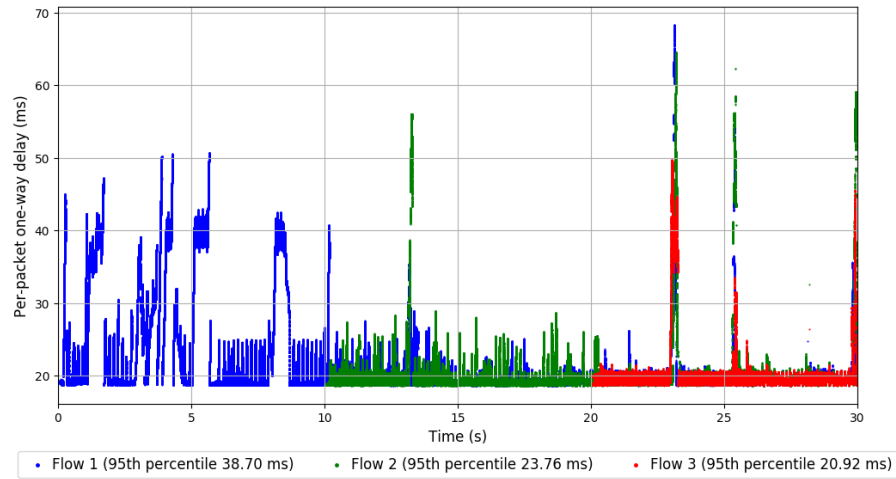
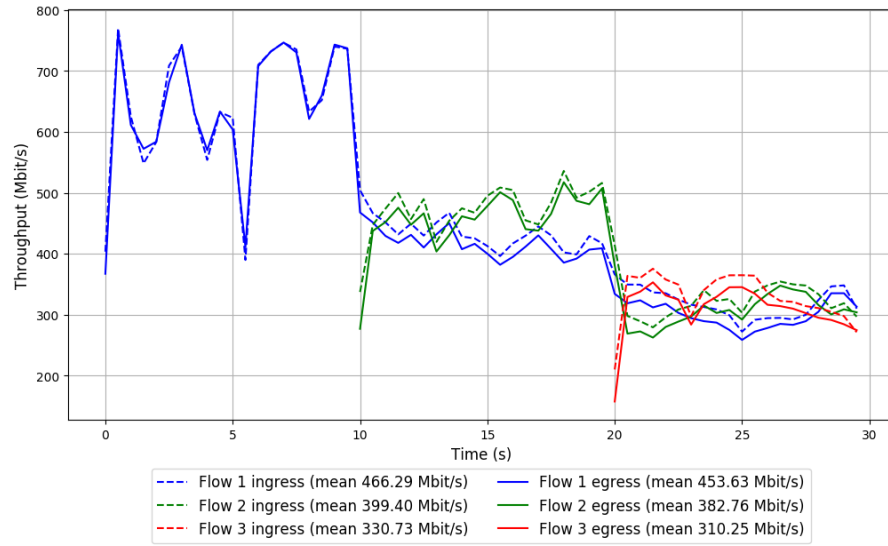


Run 9: Statistics of TCP BBR

Start at: 2018-04-17 21:28:00
End at: 2018-04-17 21:28:30
Local clock offset: 0.443 ms
Remote clock offset: -6.491 ms

Below is generated by plot.py at 2018-04-18 00:40:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 811.70 Mbit/s
95th percentile per-packet one-way delay: 36.958 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 453.63 Mbit/s
95th percentile per-packet one-way delay: 38.699 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 382.76 Mbit/s
95th percentile per-packet one-way delay: 23.763 ms
Loss rate: 4.17%
-- Flow 3:
Average throughput: 310.25 Mbit/s
95th percentile per-packet one-way delay: 20.916 ms
Loss rate: 6.19%

Run 9: Report of TCP BBR — Data Link

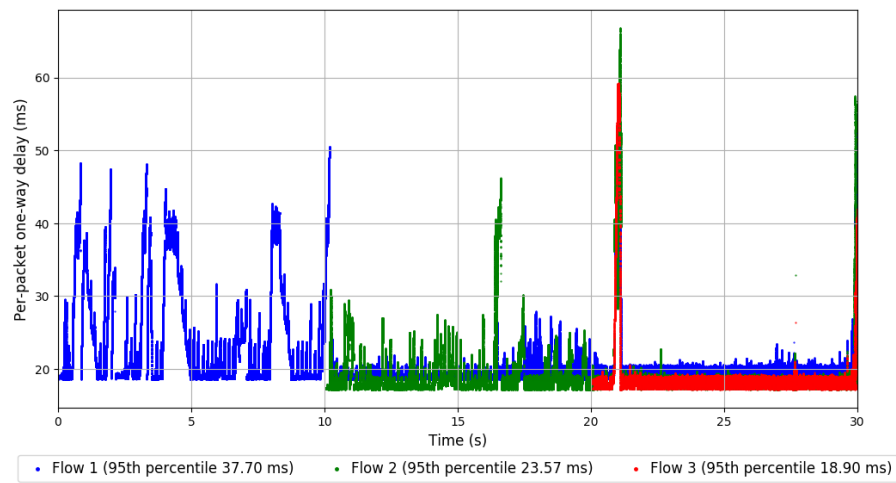
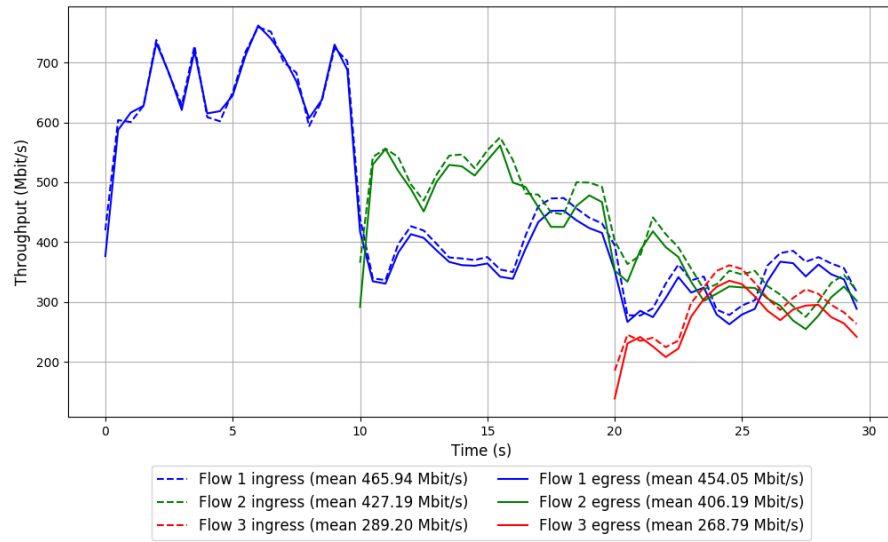


Run 10: Statistics of TCP BBR

Start at: 2018-04-17 21:54:23
End at: 2018-04-17 21:54:53
Local clock offset: 0.538 ms
Remote clock offset: -5.357 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 813.93 Mbit/s
95th percentile per-packet one-way delay: 35.416 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 454.05 Mbit/s
95th percentile per-packet one-way delay: 37.703 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 406.19 Mbit/s
95th percentile per-packet one-way delay: 23.569 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 268.79 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 7.04%

Run 10: Report of TCP BBR — Data Link

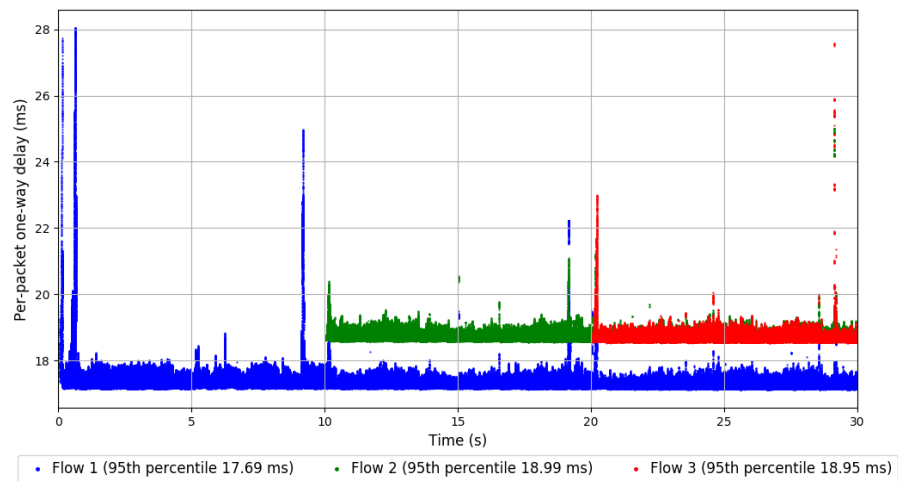
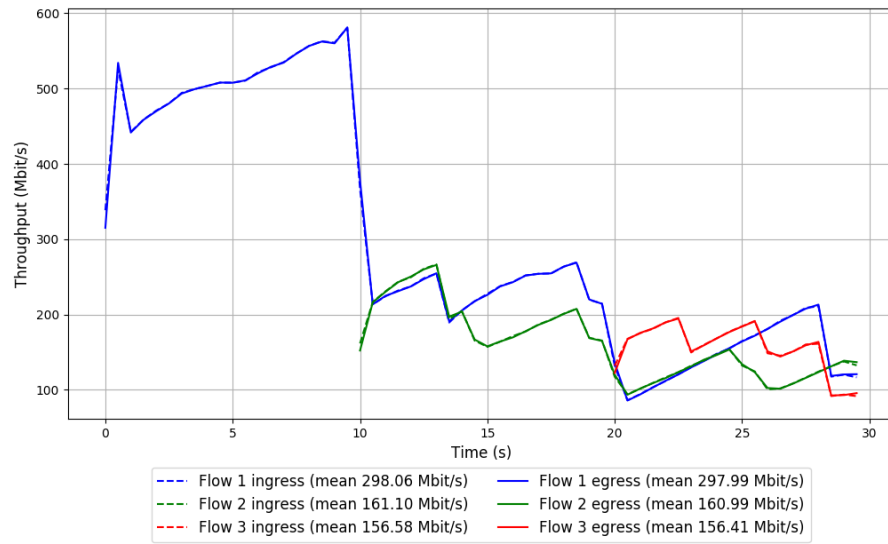


Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 17:49:17
End at: 2018-04-17 17:49:47
Local clock offset: -0.003 ms
Remote clock offset: -5.027 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 457.08 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 297.99 Mbit/s
95th percentile per-packet one-way delay: 17.692 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 160.99 Mbit/s
95th percentile per-packet one-way delay: 18.992 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 156.41 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link

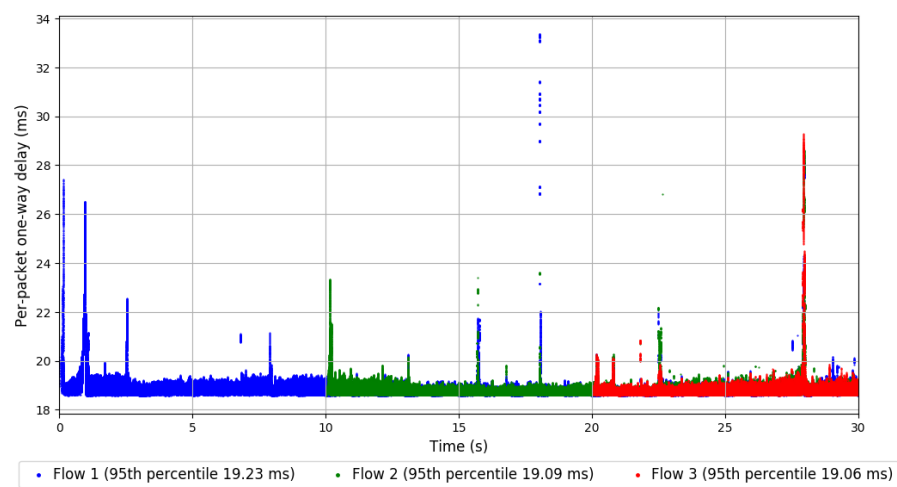
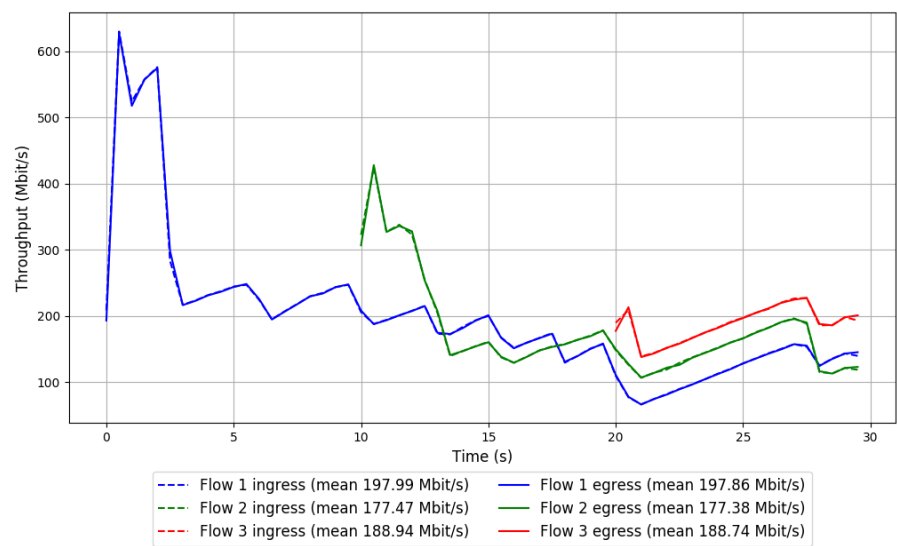


Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 18:15:58
End at: 2018-04-17 18:16:28
Local clock offset: -0.043 ms
Remote clock offset: -5.098 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.69 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 197.86 Mbit/s
95th percentile per-packet one-way delay: 19.225 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 177.38 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 188.74 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link

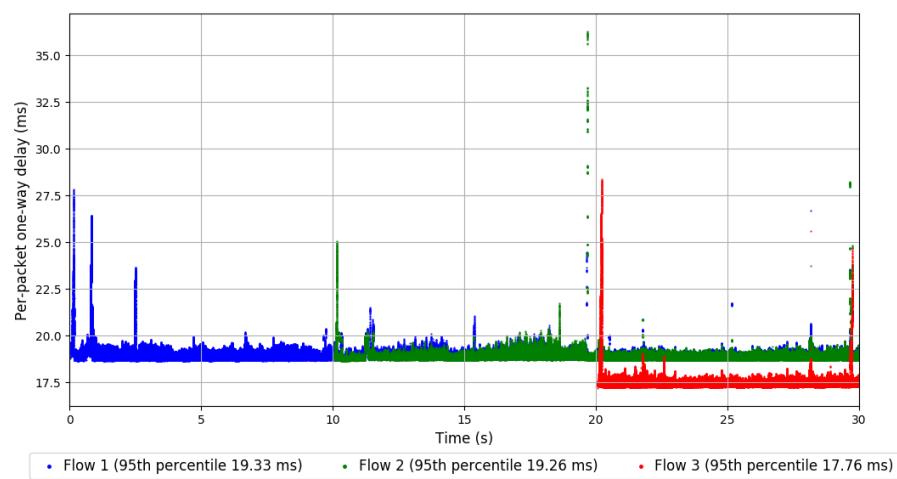
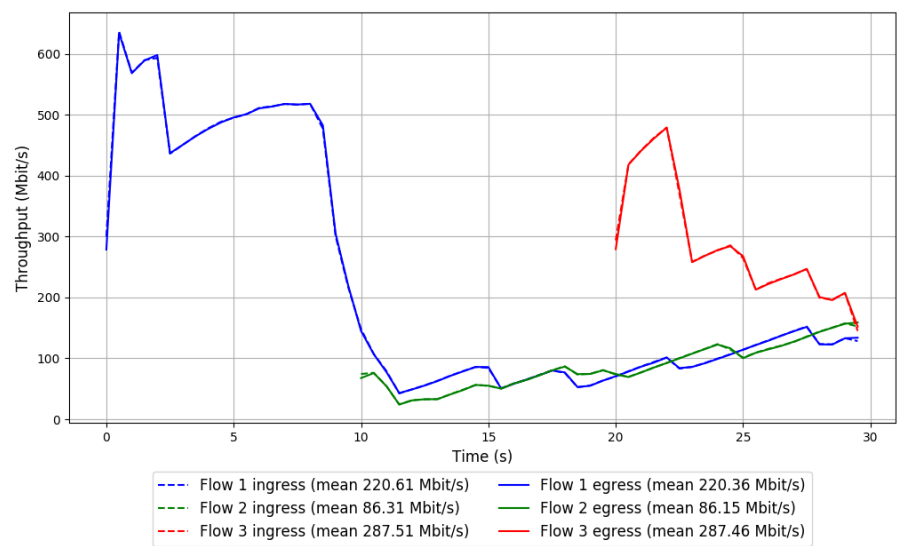


Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 18:42:36
End at: 2018-04-17 18:43:06
Local clock offset: 0.09 ms
Remote clock offset: -5.633 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.13 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 220.36 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 19.262 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 287.46 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

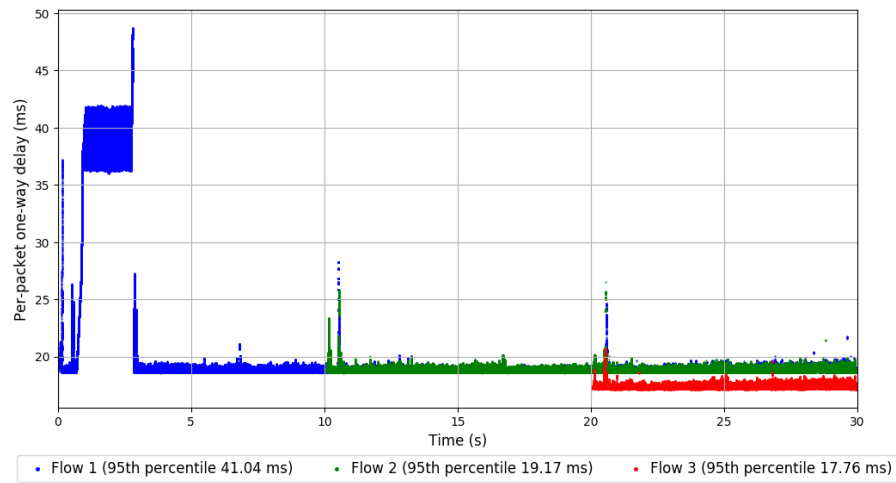
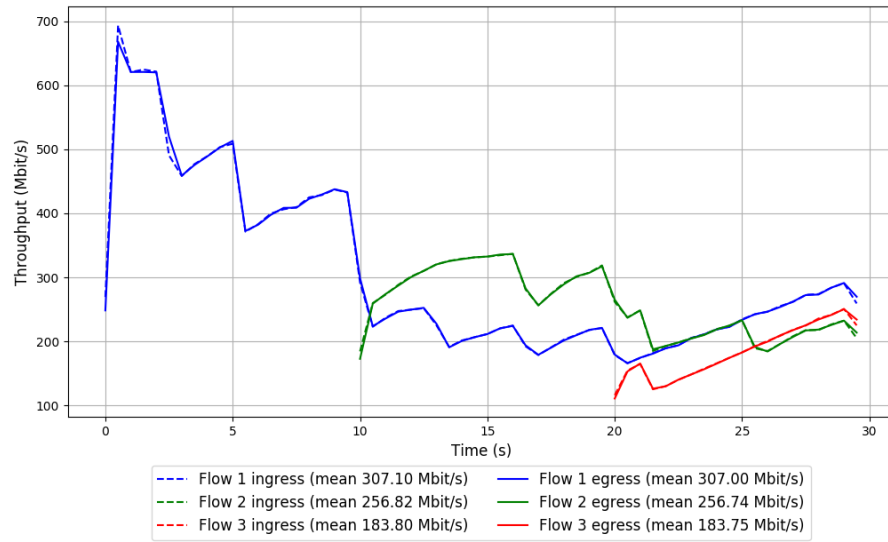


Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 19:09:15
End at: 2018-04-17 19:09:45
Local clock offset: 0.134 ms
Remote clock offset: -6.672 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.93 Mbit/s
95th percentile per-packet one-way delay: 38.792 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 307.00 Mbit/s
95th percentile per-packet one-way delay: 41.041 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 256.74 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 183.75 Mbit/s
95th percentile per-packet one-way delay: 17.764 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

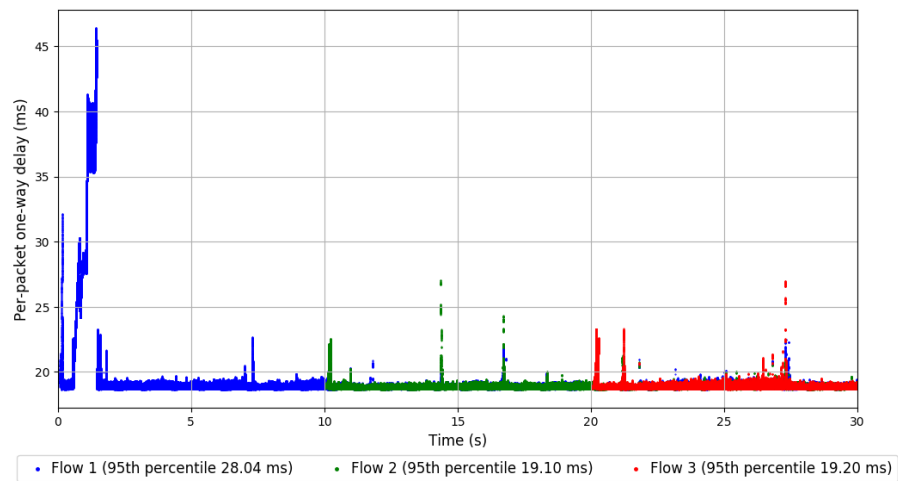
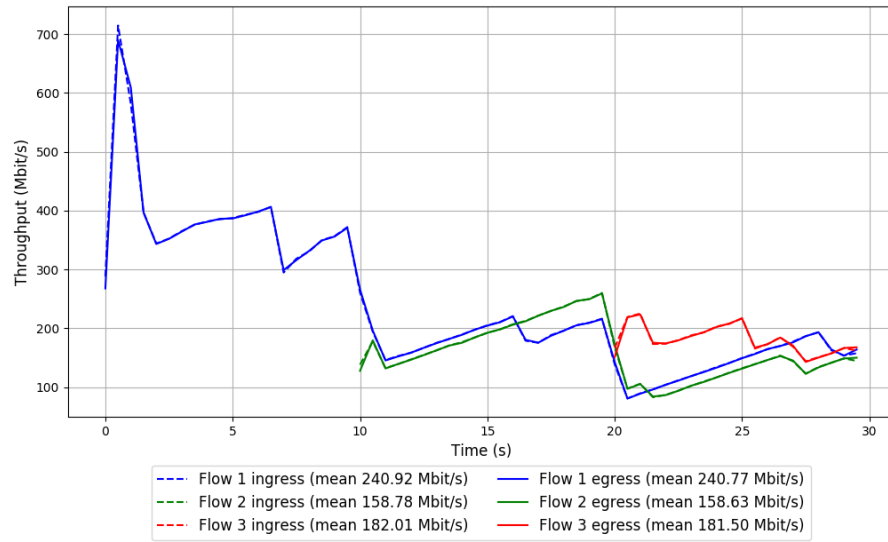


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 19:35:47
End at: 2018-04-17 19:36:17
Local clock offset: -0.016 ms
Remote clock offset: -6.582 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.65 Mbit/s
95th percentile per-packet one-way delay: 21.402 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 240.77 Mbit/s
95th percentile per-packet one-way delay: 28.042 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 158.63 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.28%

Run 5: Report of TCP Cubic — Data Link

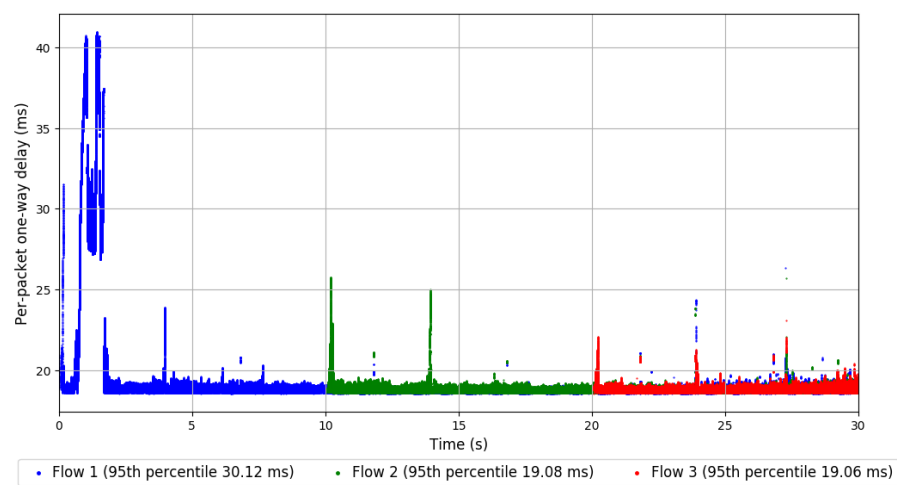
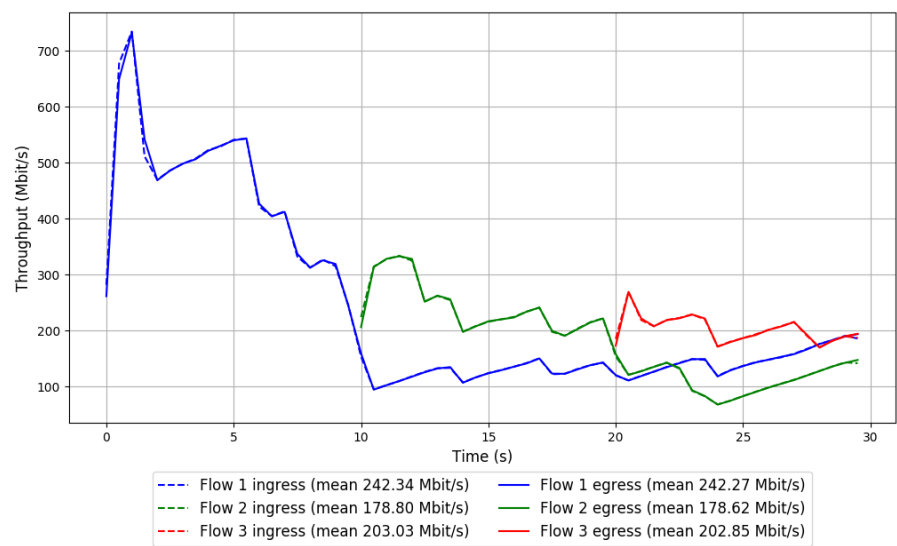


Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 20:02:20
End at: 2018-04-17 20:02:50
Local clock offset: 0.103 ms
Remote clock offset: -6.456 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.57 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 242.27 Mbit/s
95th percentile per-packet one-way delay: 30.119 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 19.078 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 202.85 Mbit/s
95th percentile per-packet one-way delay: 19.060 ms
Loss rate: 0.09%

Run 6: Report of TCP Cubic — Data Link

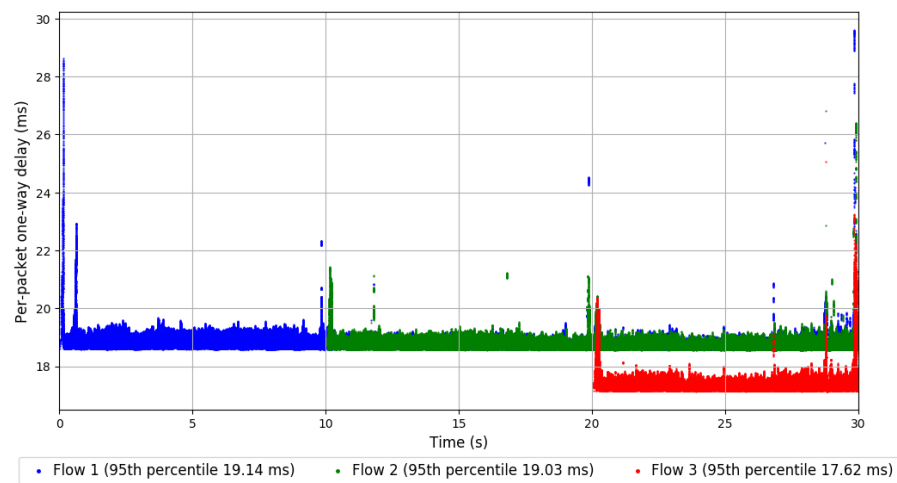
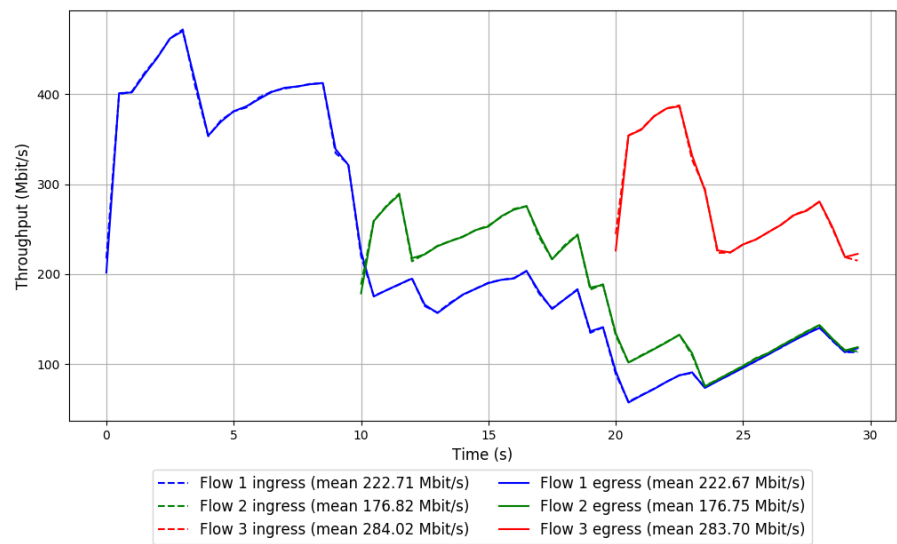


Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 20:29:04
End at: 2018-04-17 20:29:34
Local clock offset: 0.181 ms
Remote clock offset: -5.681 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.57 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 222.67 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 176.75 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 283.70 Mbit/s
95th percentile per-packet one-way delay: 17.621 ms
Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link

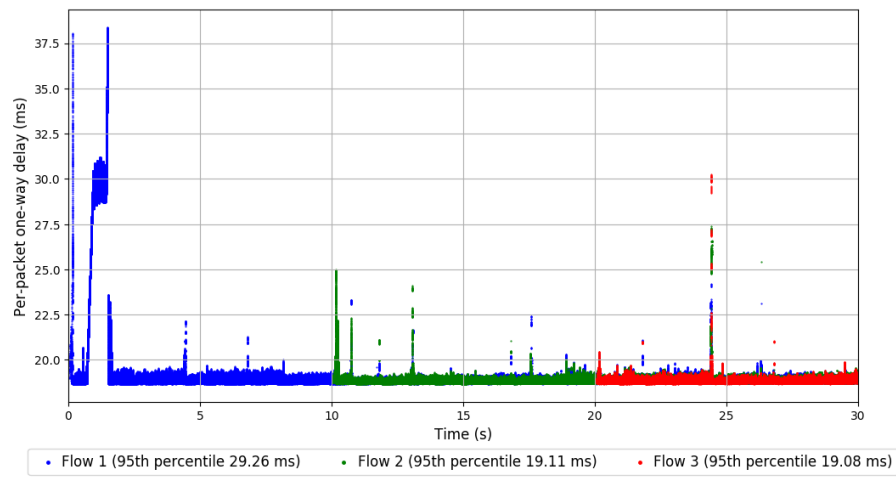
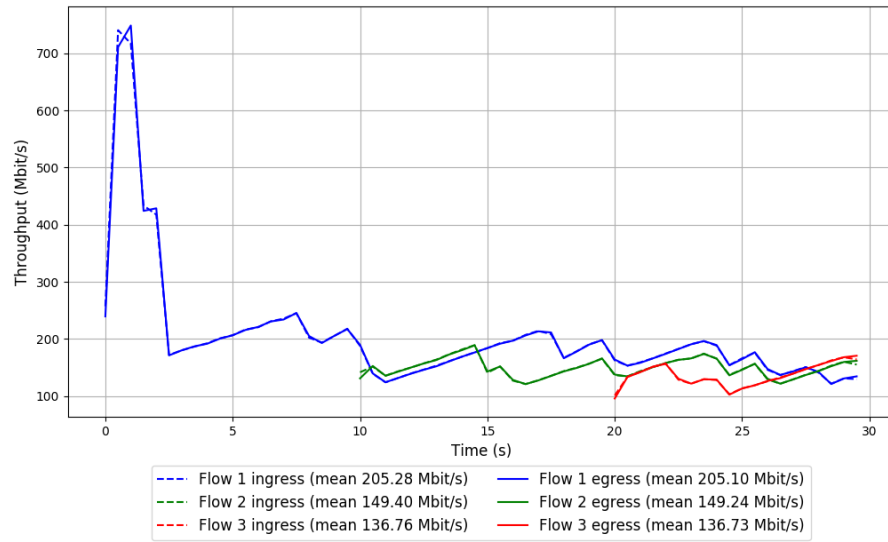


Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 20:55:39
End at: 2018-04-17 20:56:09
Local clock offset: 0.29 ms
Remote clock offset: -5.369 ms

Below is generated by plot.py at 2018-04-18 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.91 Mbit/s
95th percentile per-packet one-way delay: 24.238 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 205.10 Mbit/s
95th percentile per-packet one-way delay: 29.258 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 149.24 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 136.73 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.02%

Run 8: Report of TCP Cubic — Data Link

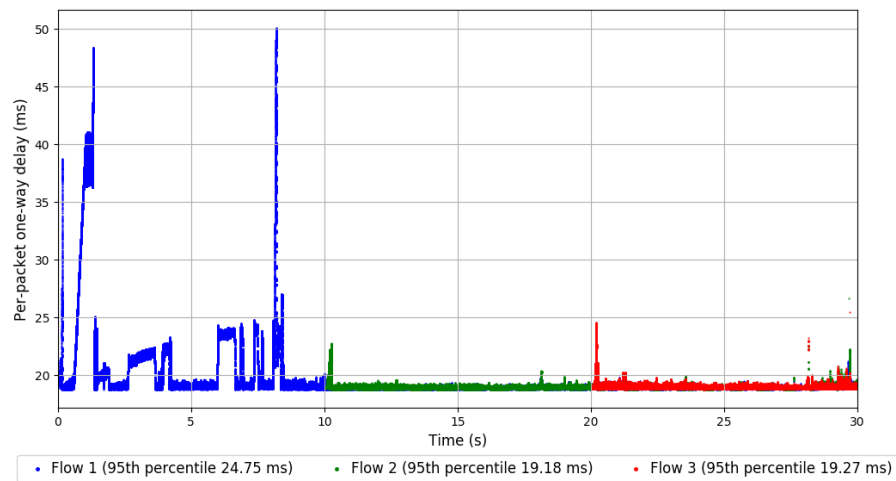
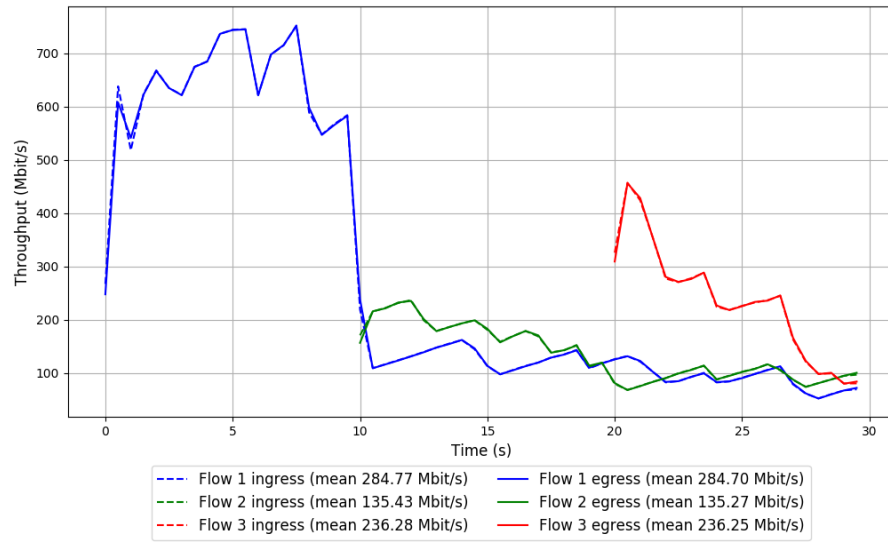


Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 21:22:15
End at: 2018-04-17 21:22:45
Local clock offset: 0.304 ms
Remote clock offset: -6.399 ms

Below is generated by plot.py at 2018-04-18 00:41:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.11 Mbit/s
95th percentile per-packet one-way delay: 23.723 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 284.70 Mbit/s
95th percentile per-packet one-way delay: 24.750 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 135.27 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 236.25 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link

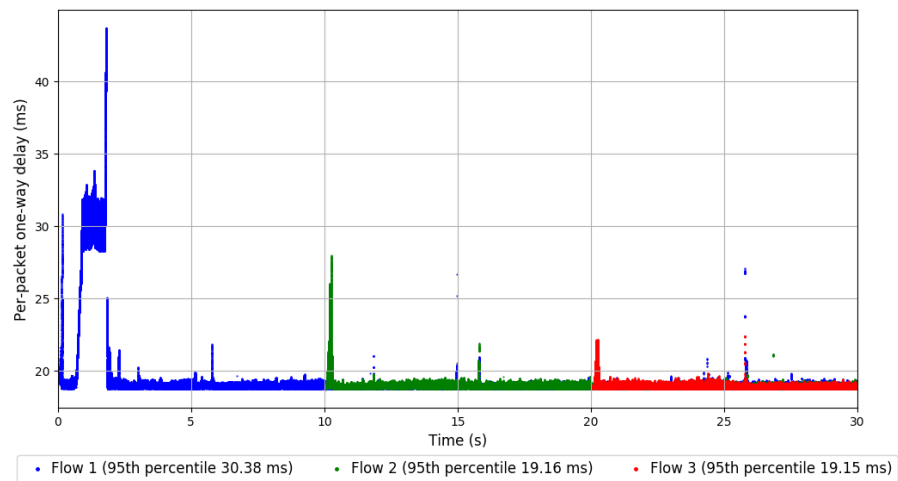
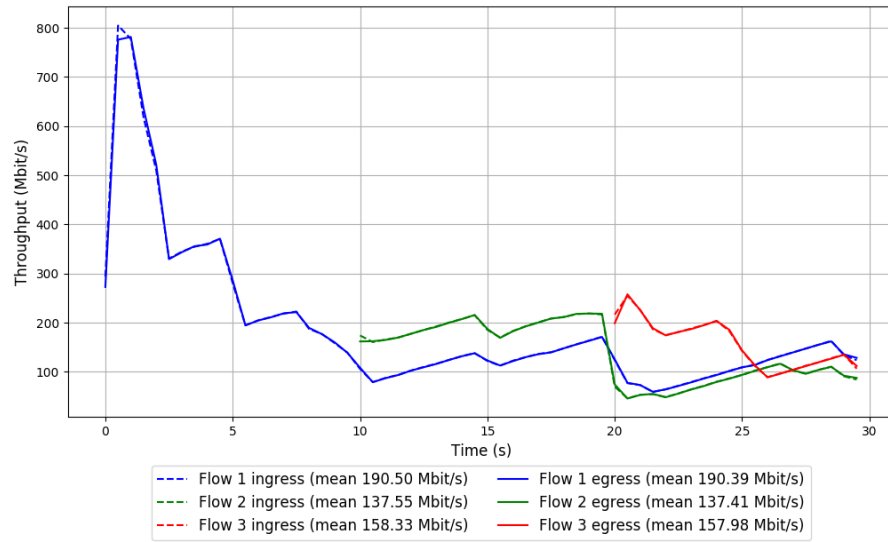


Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 21:48:47
End at: 2018-04-17 21:49:17
Local clock offset: 0.494 ms
Remote clock offset: -5.375 ms

Below is generated by plot.py at 2018-04-18 00:41:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.36 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 190.39 Mbit/s
95th percentile per-packet one-way delay: 30.382 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 137.41 Mbit/s
95th percentile per-packet one-way delay: 19.159 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 157.98 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.22%

Run 10: Report of TCP Cubic — Data Link

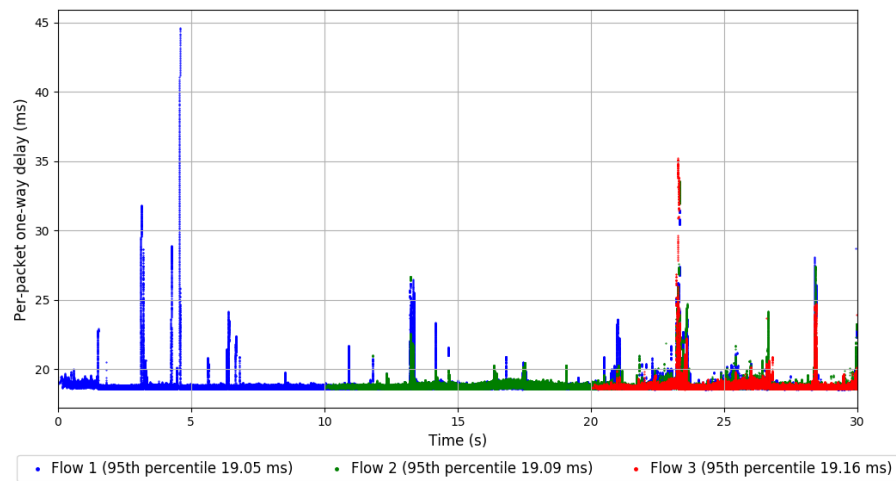
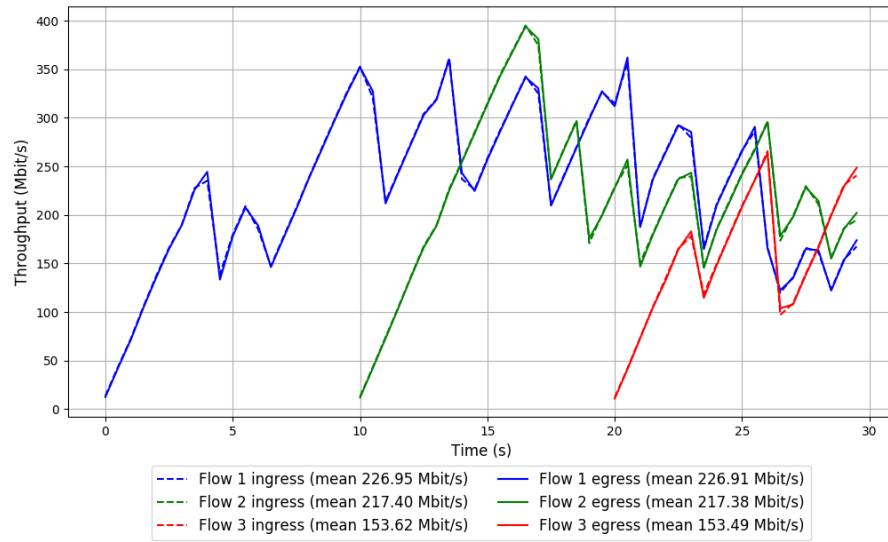



```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 17:31:33
End at: 2018-04-17 17:32:04
Local clock offset: -0.047 ms
Remote clock offset: -5.987 ms

# Below is generated by plot.py at 2018-04-18 00:41:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.50 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 226.91 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 217.38 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 153.49 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.09%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-17 17:58:14

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

Local clock offset: -0.111 ms

Remote clock offset: -4.82 ms

Below is generated by plot.py at 2018-04-18 00:42:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.00 Mbit/s

95th percentile per-packet one-way delay: 19.205 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 261.42 Mbit/s

95th percentile per-packet one-way delay: 19.214 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 183.70 Mbit/s

95th percentile per-packet one-way delay: 19.209 ms

Loss rate: 0.04%

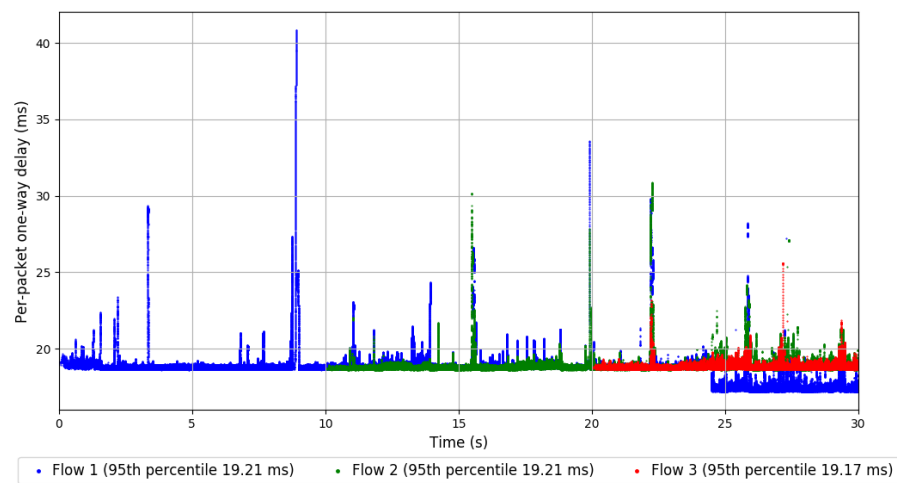
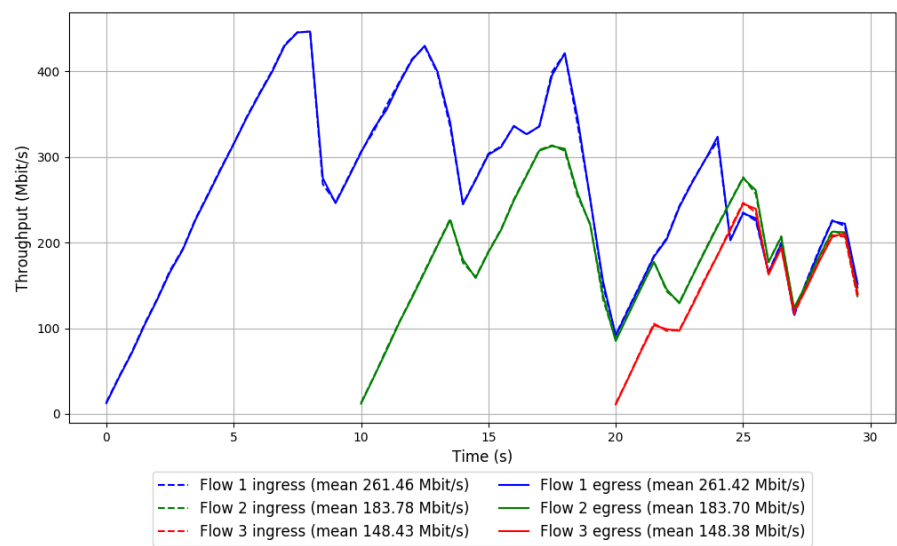
-- Flow 3:

Average throughput: 148.38 Mbit/s

95th percentile per-packet one-way delay: 19.171 ms

Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

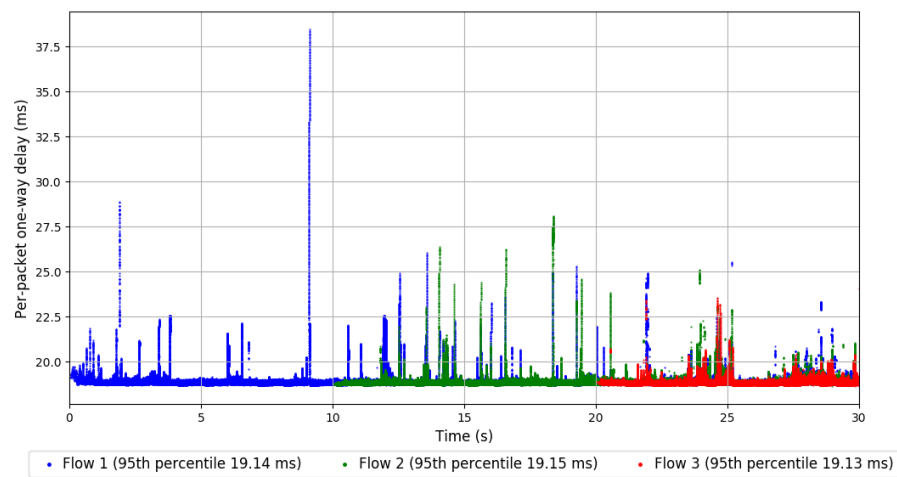
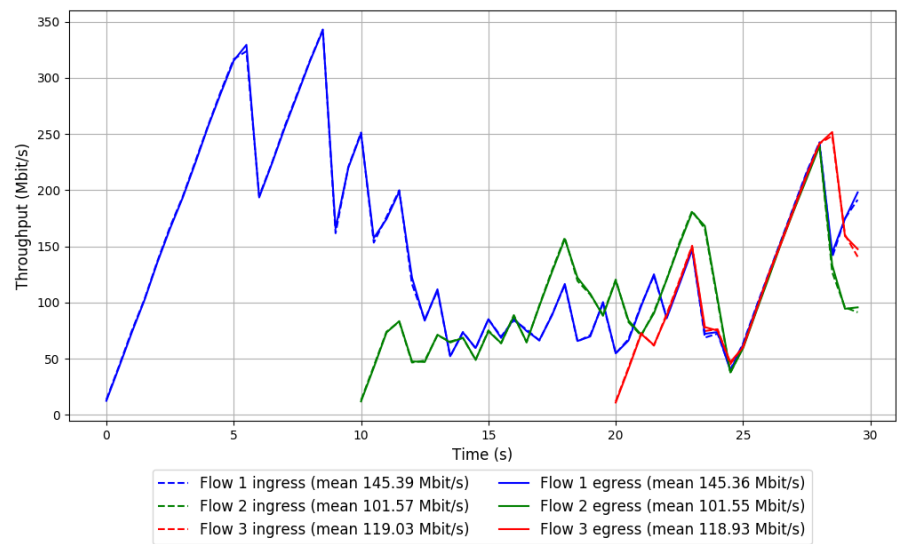


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 18:24:54
End at: 2018-04-17 18:25:24
Local clock offset: -0.032 ms
Remote clock offset: -5.025 ms

Below is generated by plot.py at 2018-04-18 00:42:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 145.36 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 101.55 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 118.93 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link

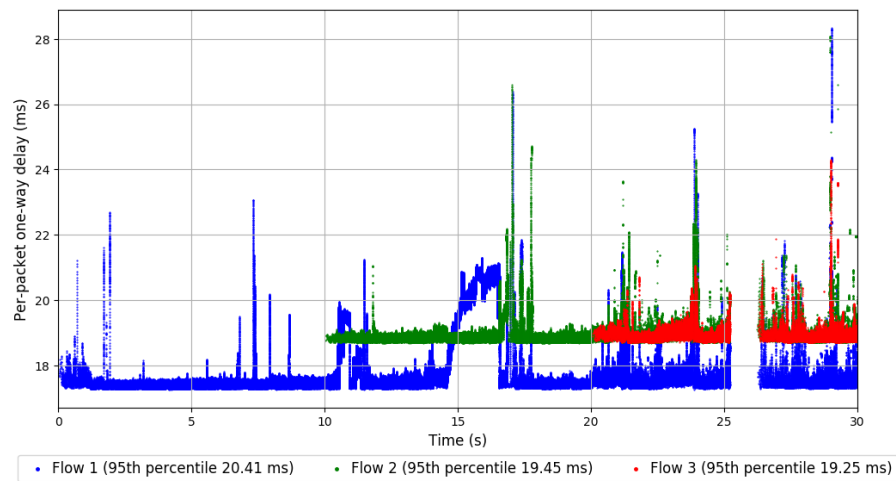
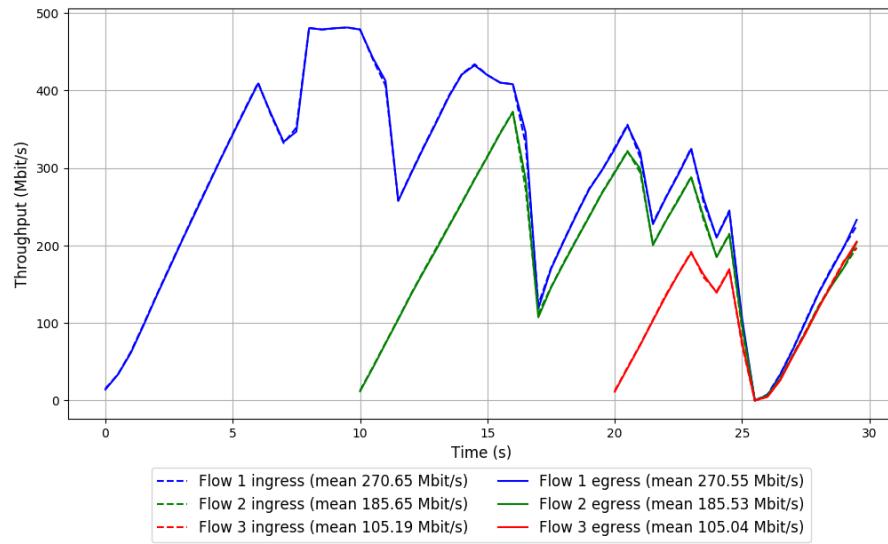


Run 4: Statistics of LEDBAT

Start at: 2018-04-17 18:51:28
End at: 2018-04-17 18:51:58
Local clock offset: 0.03 ms
Remote clock offset: -6.265 ms

Below is generated by plot.py at 2018-04-18 00:46:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.92 Mbit/s
95th percentile per-packet one-way delay: 20.025 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 270.55 Mbit/s
95th percentile per-packet one-way delay: 20.408 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 185.53 Mbit/s
95th percentile per-packet one-way delay: 19.450 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 105.04 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.15%

Run 4: Report of LEDBAT — Data Link

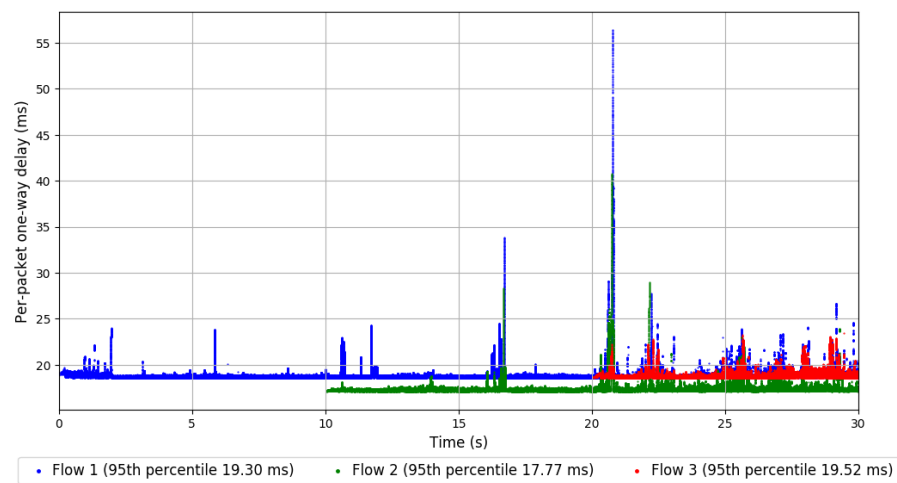
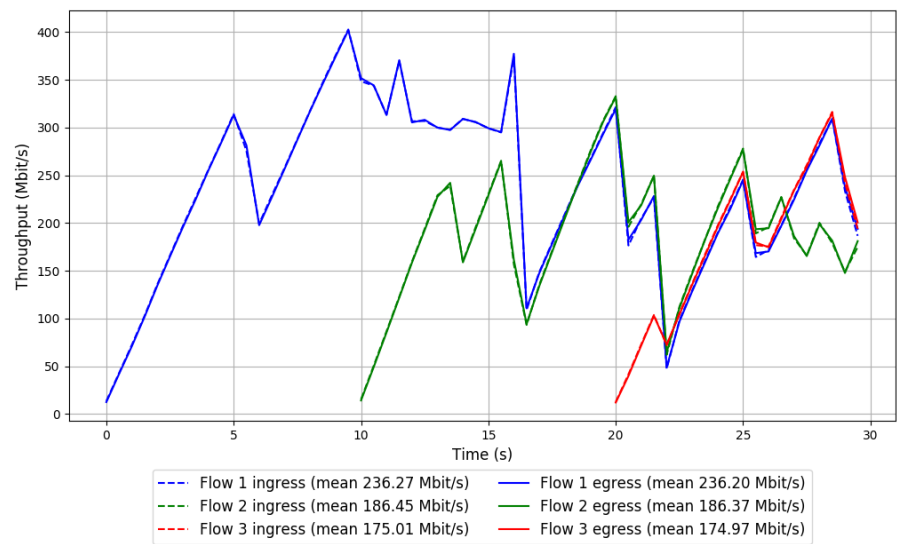


Run 5: Statistics of LEDBAT

Start at: 2018-04-17 19:18:14
End at: 2018-04-17 19:18:44
Local clock offset: 0.125 ms
Remote clock offset: -6.598 ms

Below is generated by plot.py at 2018-04-18 00:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.42 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 236.20 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 186.37 Mbit/s
95th percentile per-packet one-way delay: 17.773 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 174.97 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link

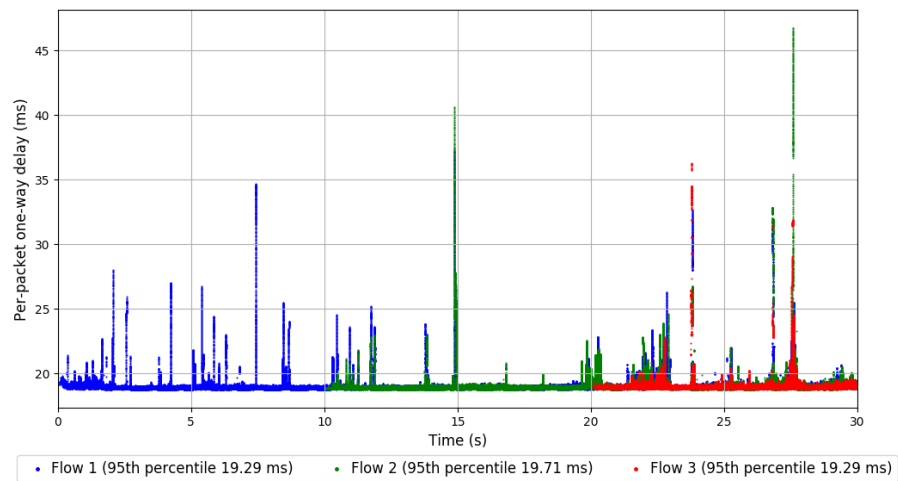
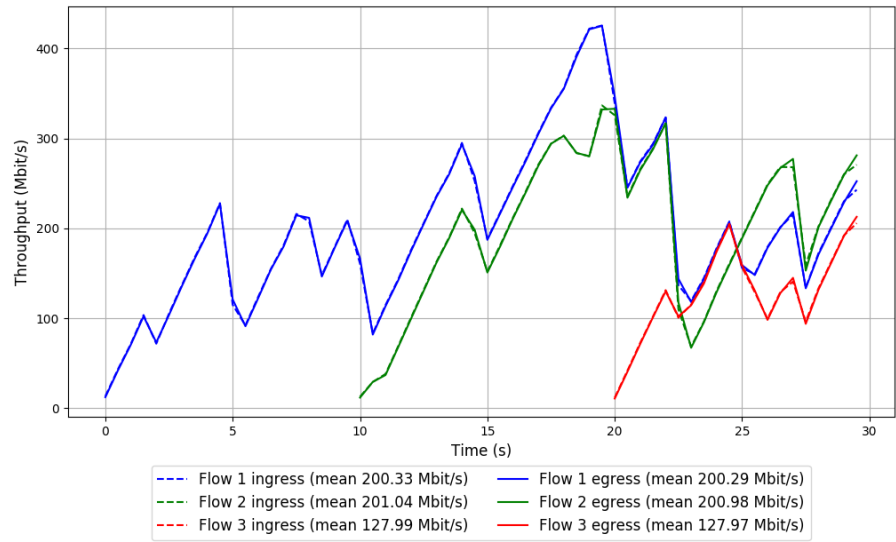


Run 6: Statistics of LEDBAT

Start at: 2018-04-17 19:44:41
End at: 2018-04-17 19:45:11
Local clock offset: 0.062 ms
Remote clock offset: -6.623 ms

Below is generated by plot.py at 2018-04-18 00:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.57 Mbit/s
95th percentile per-packet one-way delay: 19.418 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 200.29 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 200.98 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 127.97 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.02%

Run 6: Report of LEDBAT — Data Link

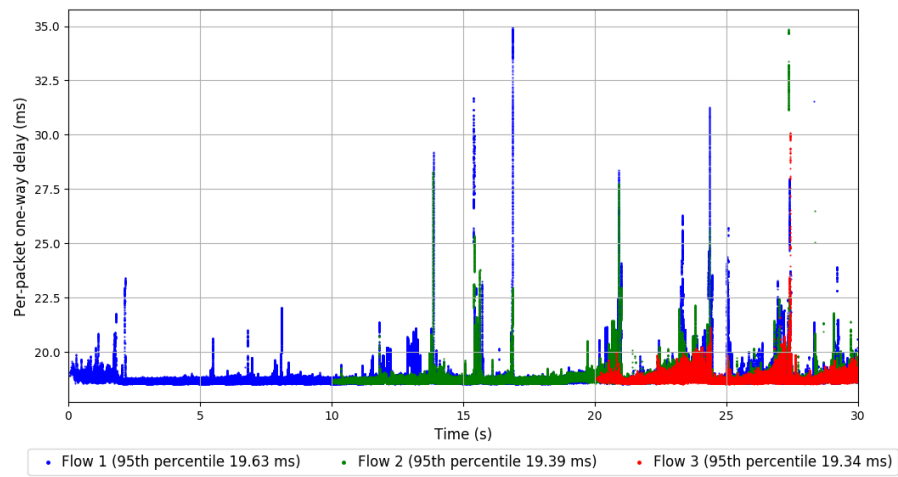
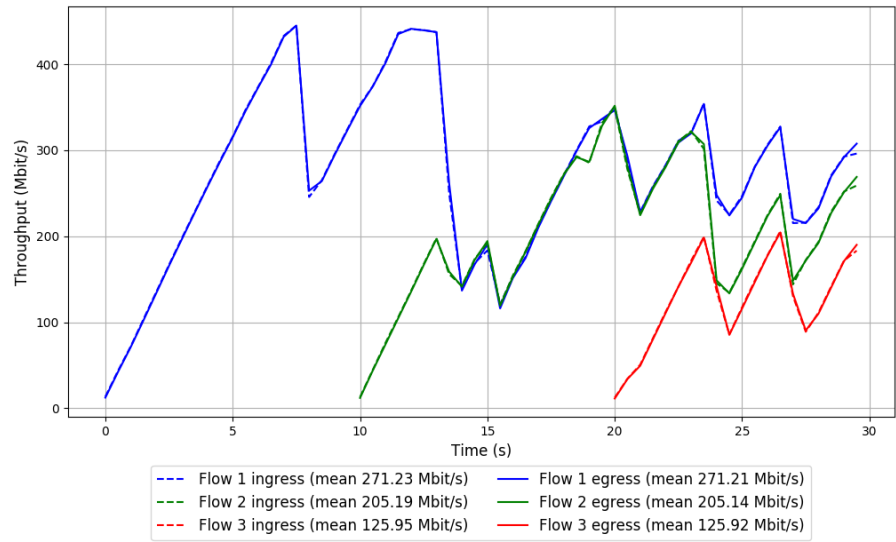


Run 7: Statistics of LEDBAT

Start at: 2018-04-17 20:11:19
End at: 2018-04-17 20:11:49
Local clock offset: 0.119 ms
Remote clock offset: -6.493 ms

Below is generated by plot.py at 2018-04-18 00:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.60 Mbit/s
95th percentile per-packet one-way delay: 19.522 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 271.21 Mbit/s
95th percentile per-packet one-way delay: 19.629 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 205.14 Mbit/s
95th percentile per-packet one-way delay: 19.388 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 125.92 Mbit/s
95th percentile per-packet one-way delay: 19.342 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

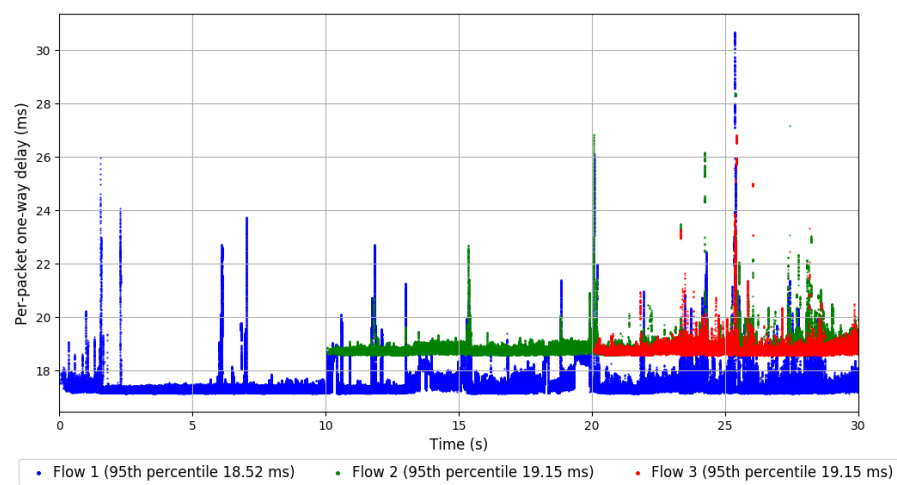
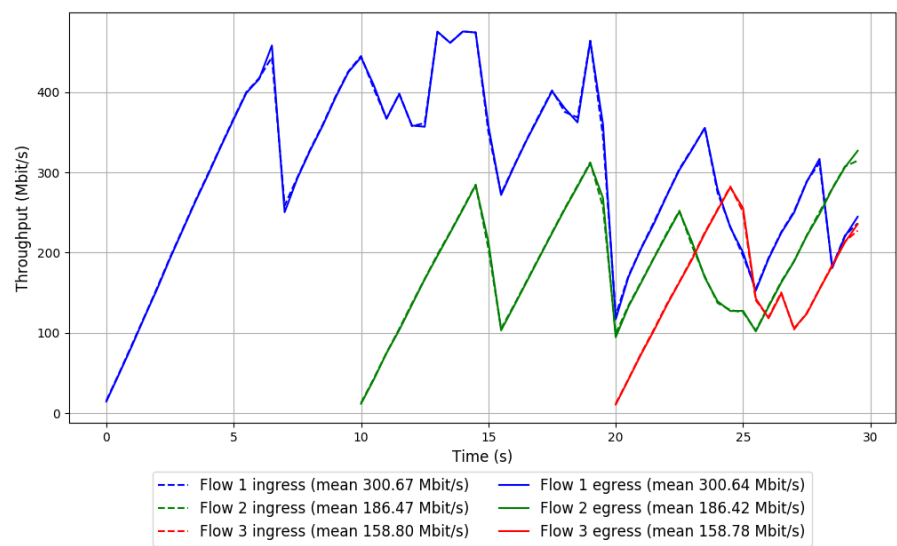


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 20:37:58
End at: 2018-04-17 20:38:28
Local clock offset: 0.169 ms
Remote clock offset: -5.427 ms

Below is generated by plot.py at 2018-04-18 00:48:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.48 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 300.64 Mbit/s
95th percentile per-packet one-way delay: 18.520 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 186.42 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 158.78 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

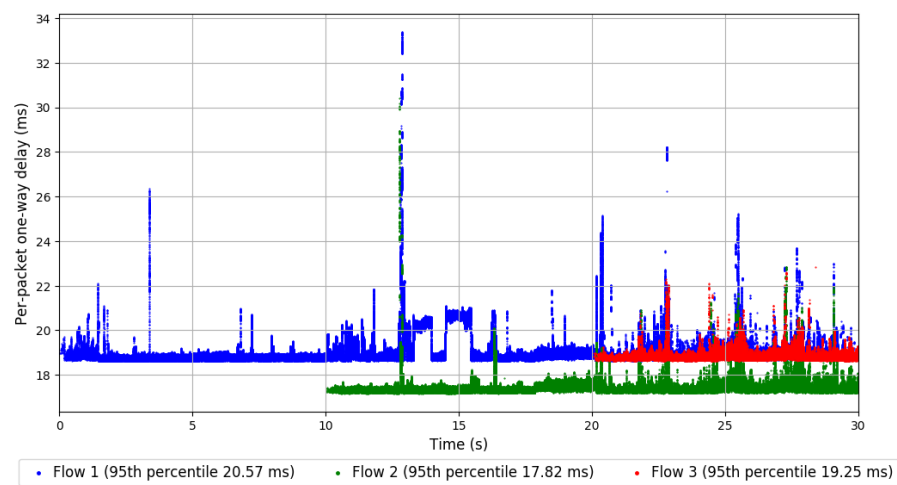
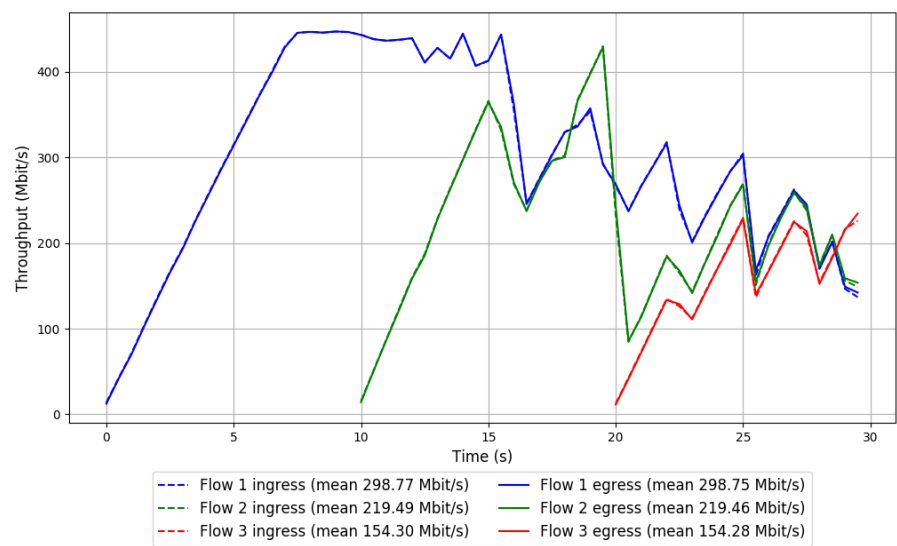


Run 9: Statistics of LEDBAT

Start at: 2018-04-17 21:04:31
End at: 2018-04-17 21:05:01
Local clock offset: 0.306 ms
Remote clock offset: -6.073 ms

Below is generated by plot.py at 2018-04-18 00:48:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.05 Mbit/s
95th percentile per-packet one-way delay: 20.270 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 298.75 Mbit/s
95th percentile per-packet one-way delay: 20.568 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 219.46 Mbit/s
95th percentile per-packet one-way delay: 17.815 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 154.28 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

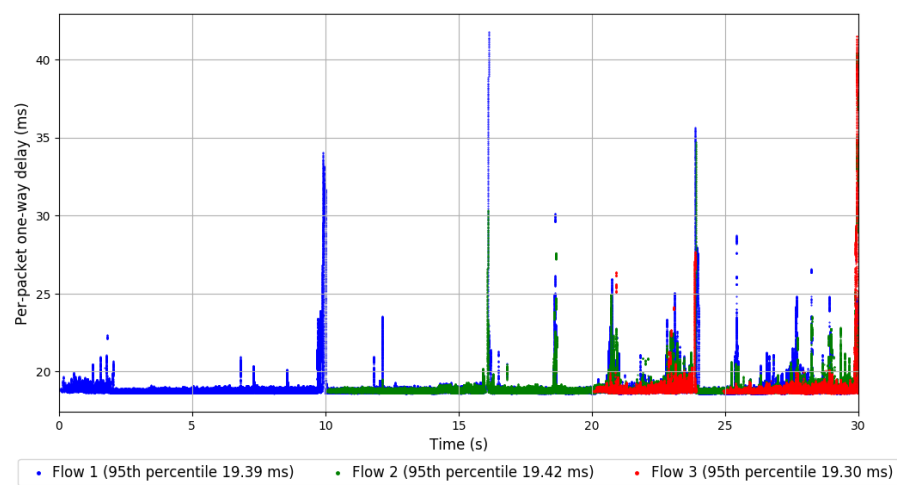
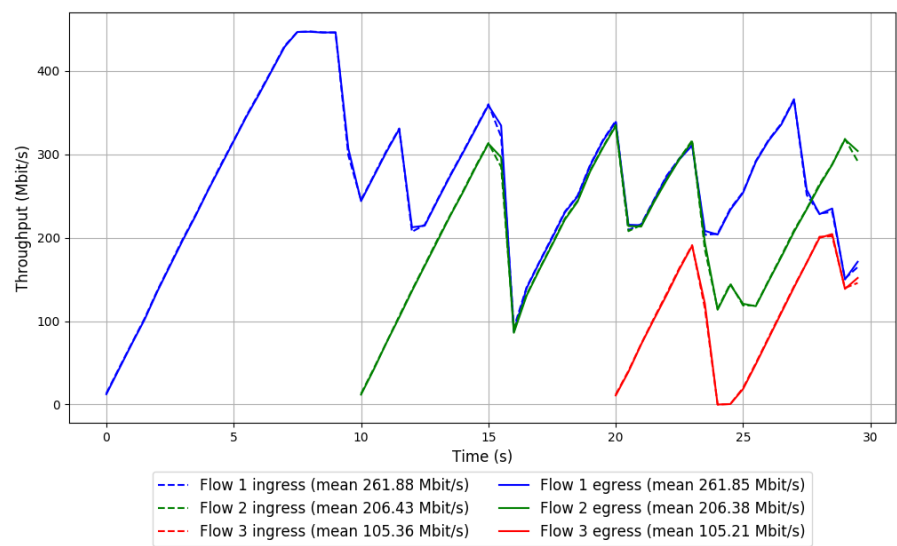


Run 10: Statistics of LEDBAT

Start at: 2018-04-17 21:31:13
End at: 2018-04-17 21:31:43
Local clock offset: 0.491 ms
Remote clock offset: -6.157 ms

Below is generated by plot.py at 2018-04-18 00:49:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.12 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 261.85 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 206.38 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 105.21 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.12%

Run 10: Report of LEDBAT — Data Link

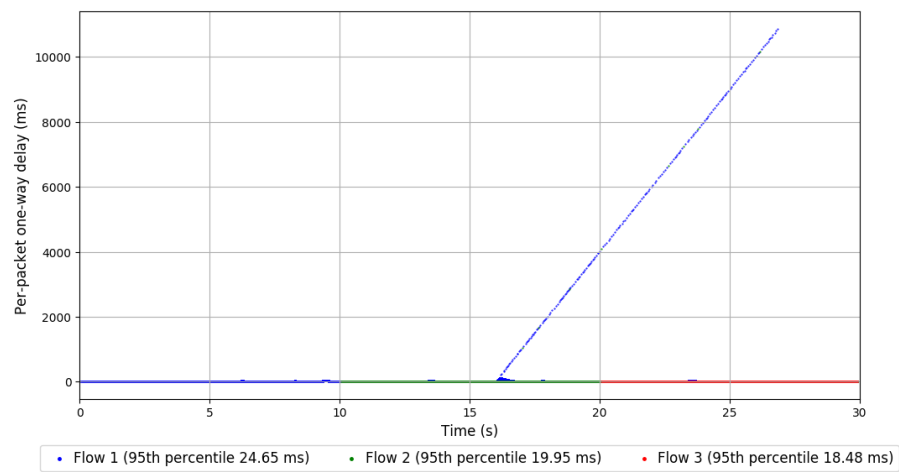
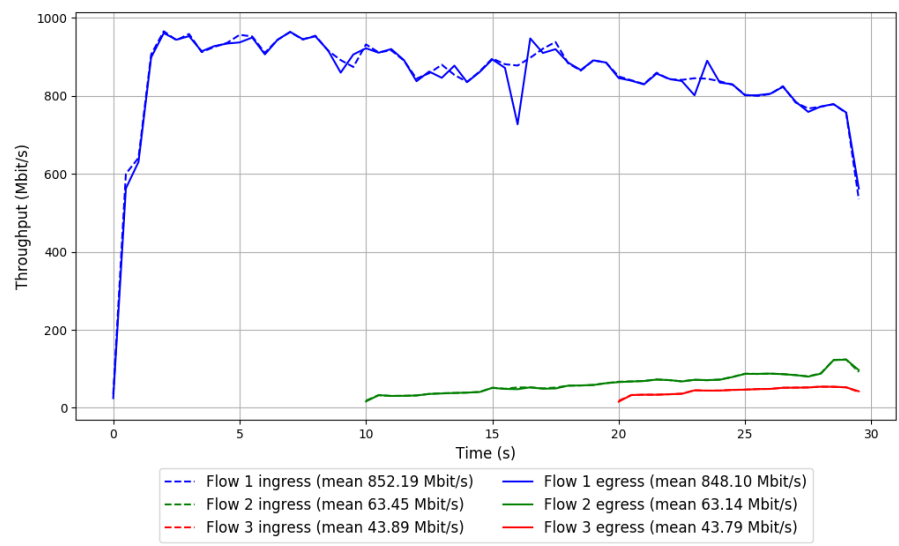


Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 17:33:13
End at: 2018-04-17 17:33:43
Local clock offset: -0.026 ms
Remote clock offset: -5.868 ms

Below is generated by plot.py at 2018-04-18 00:56:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 904.52 Mbit/s
95th percentile per-packet one-way delay: 23.828 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 848.10 Mbit/s
95th percentile per-packet one-way delay: 24.650 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 19.947 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 18.478 ms
Loss rate: 0.24%

Run 1: Report of PCC-Allegro — Data Link

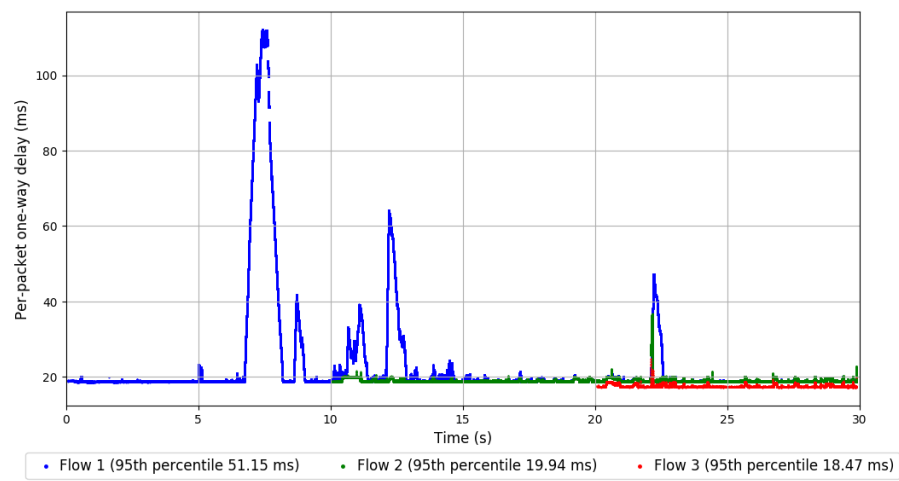
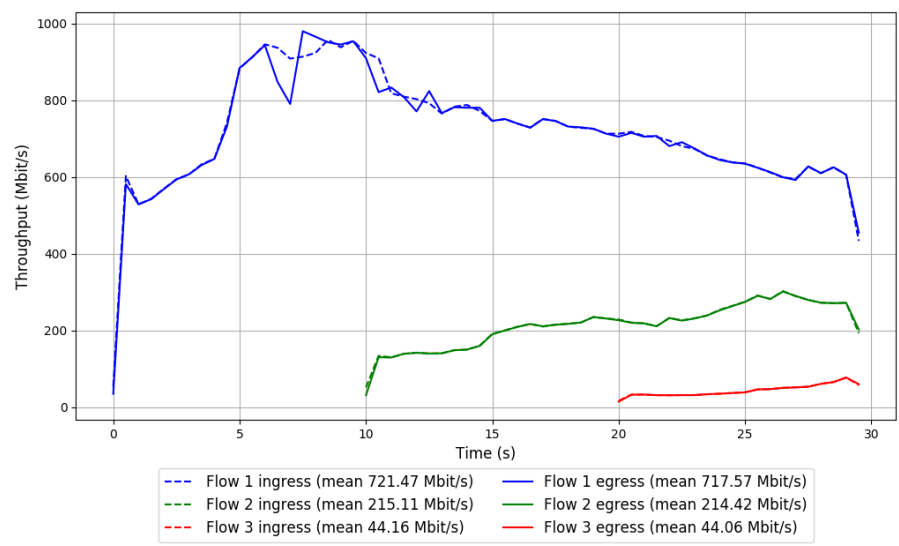


Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 17:59:54
End at: 2018-04-17 18:00:24
Local clock offset: -0.035 ms
Remote clock offset: -4.732 ms

Below is generated by plot.py at 2018-04-18 00:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.64 Mbit/s
95th percentile per-packet one-way delay: 41.943 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 717.57 Mbit/s
95th percentile per-packet one-way delay: 51.145 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 214.42 Mbit/s
95th percentile per-packet one-way delay: 19.944 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 18.467 ms
Loss rate: 0.22%

Run 2: Report of PCC-Allegro — Data Link

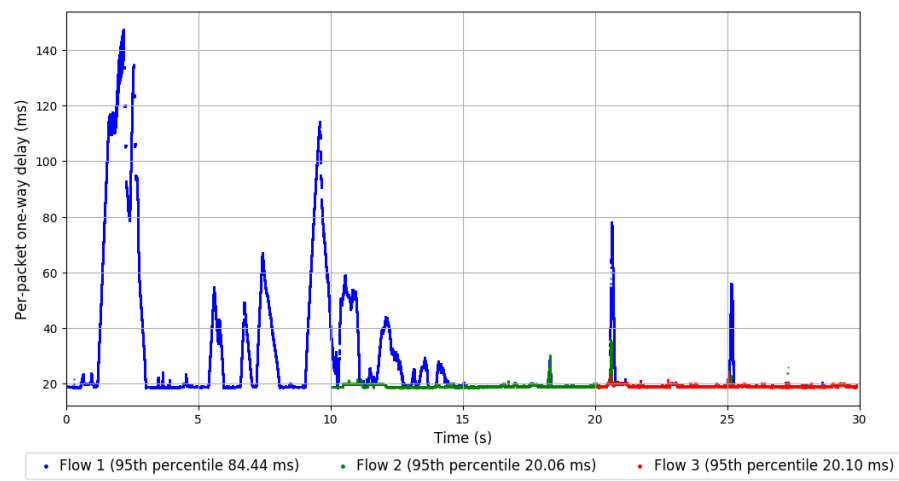
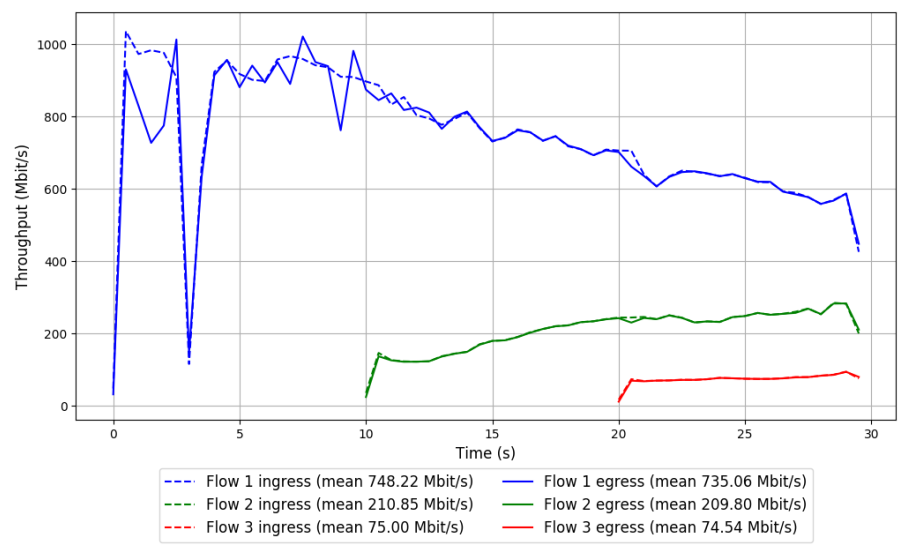


Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 18:26:25
End at: 2018-04-17 18:26:55
Local clock offset: -0.051 ms
Remote clock offset: -5.086 ms

Below is generated by plot.py at 2018-04-18 01:00:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.06 Mbit/s
95th percentile per-packet one-way delay: 74.543 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 735.06 Mbit/s
95th percentile per-packet one-way delay: 84.435 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 209.80 Mbit/s
95th percentile per-packet one-way delay: 20.061 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 20.104 ms
Loss rate: 0.62%

Run 3: Report of PCC-Allegro — Data Link

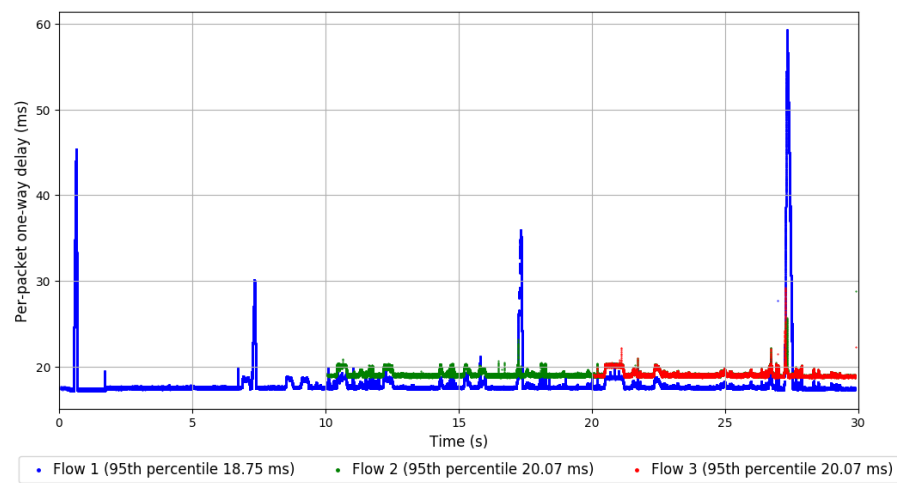
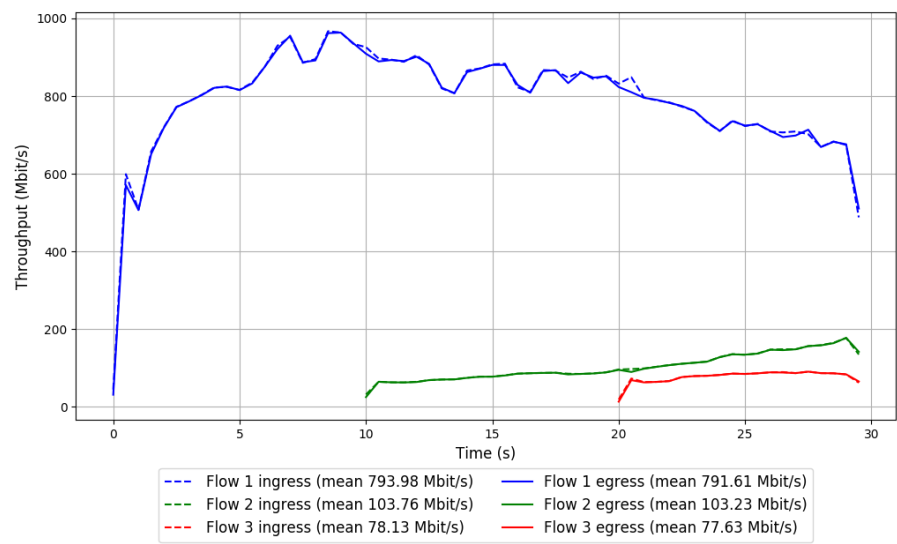


Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 18:53:08
End at: 2018-04-17 18:53:38
Local clock offset: 0.124 ms
Remote clock offset: -6.319 ms

Below is generated by plot.py at 2018-04-18 01:00:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 885.54 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 791.61 Mbit/s
95th percentile per-packet one-way delay: 18.748 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 103.23 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 20.075 ms
Loss rate: 0.61%

Run 4: Report of PCC-Allegro — Data Link

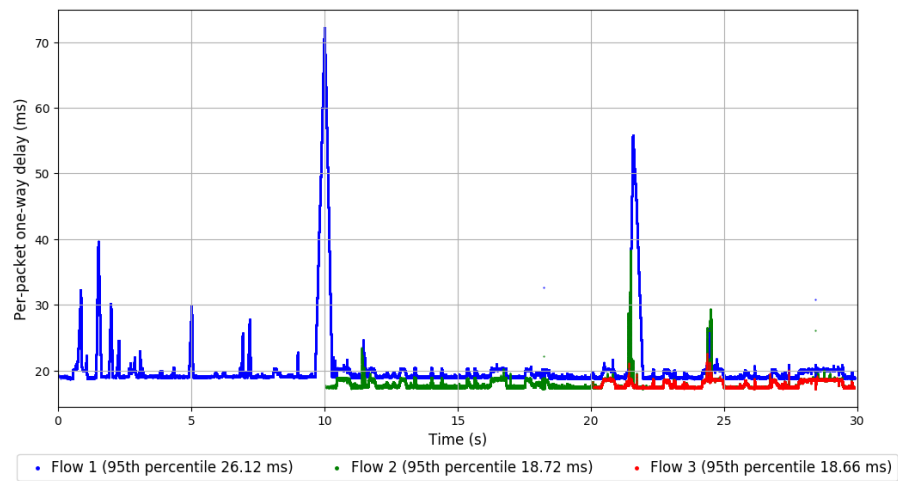
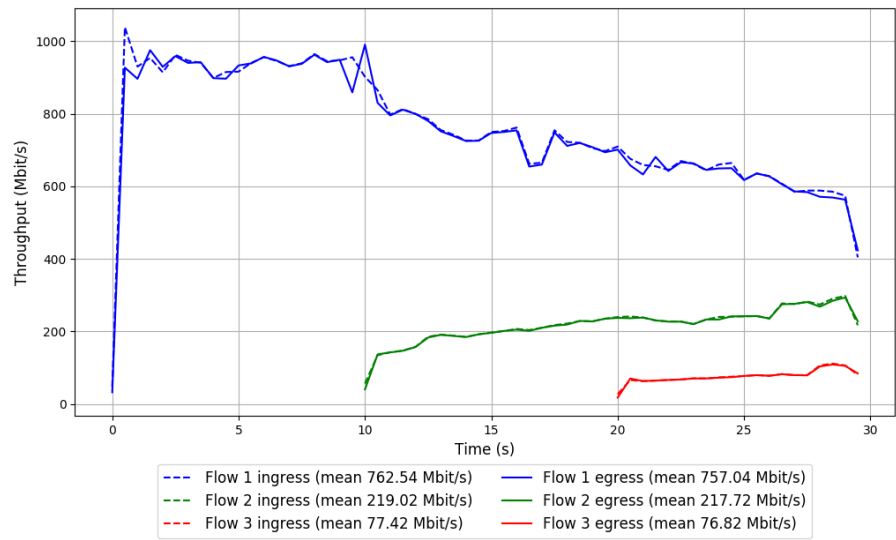


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 19:19:53
End at: 2018-04-17 19:20:23
Local clock offset: 0.092 ms
Remote clock offset: -6.482 ms

Below is generated by plot.py at 2018-04-18 01:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 927.08 Mbit/s
95th percentile per-packet one-way delay: 23.909 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 757.04 Mbit/s
95th percentile per-packet one-way delay: 26.121 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 217.72 Mbit/s
95th percentile per-packet one-way delay: 18.722 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 18.659 ms
Loss rate: 0.79%

Run 5: Report of PCC-Allegro — Data Link

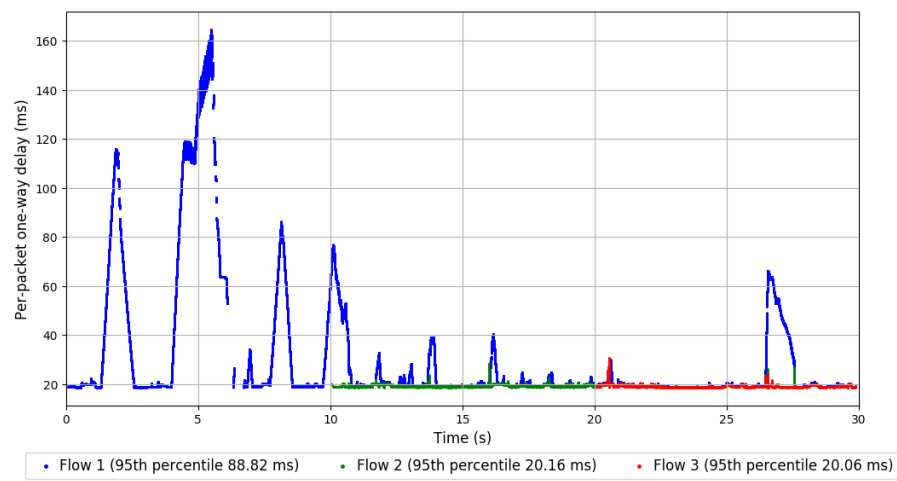
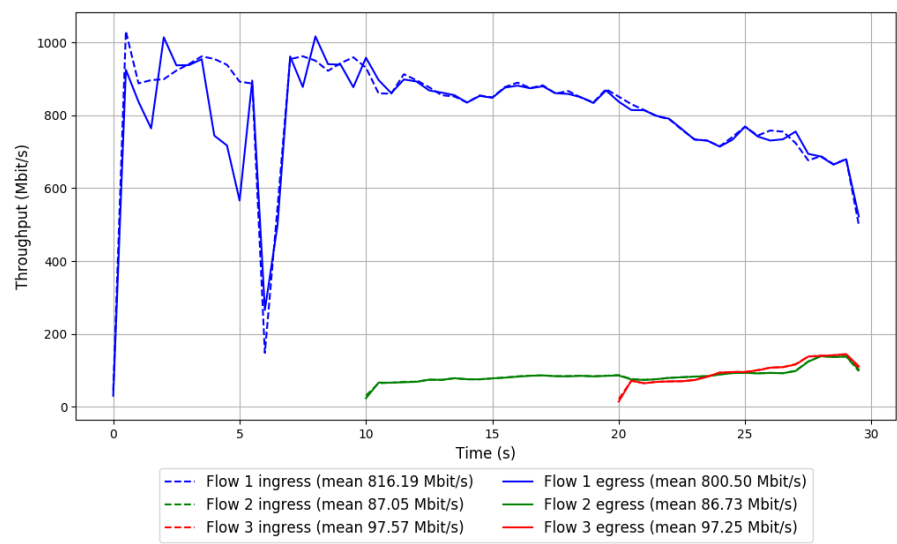


Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 19:46:18
End at: 2018-04-17 19:46:48
Local clock offset: 0.182 ms
Remote clock offset: -6.558 ms

Below is generated by plot.py at 2018-04-18 01:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.20 Mbit/s
95th percentile per-packet one-way delay: 83.668 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 800.50 Mbit/s
95th percentile per-packet one-way delay: 88.821 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 20.158 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 20.057 ms
Loss rate: 0.33%

Run 6: Report of PCC-Allegro — Data Link

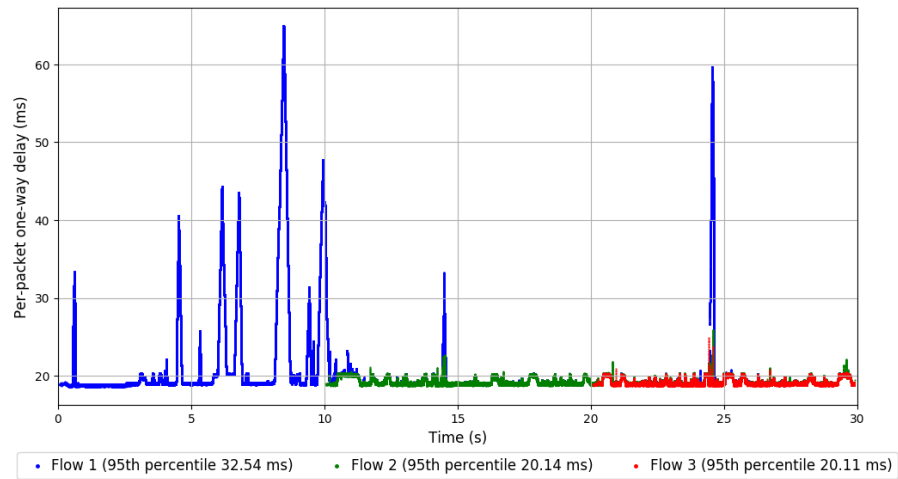
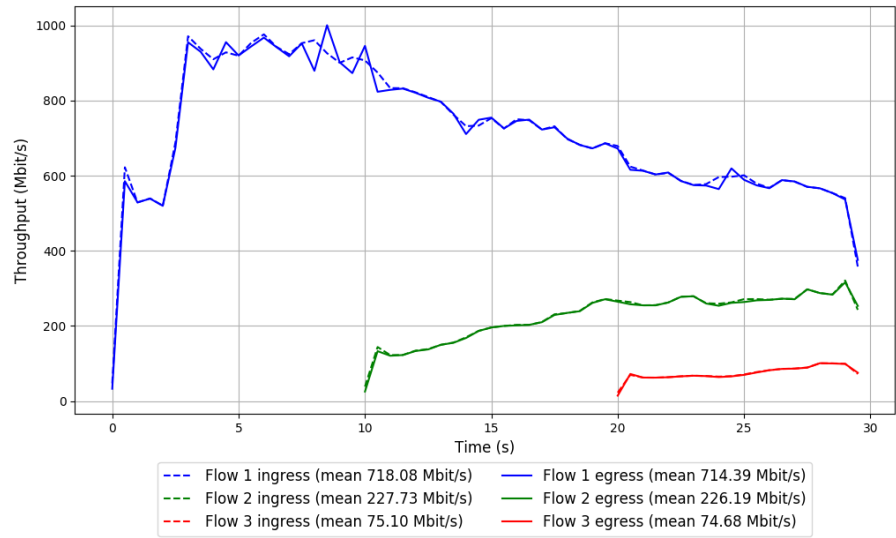


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 20:13:00
End at: 2018-04-17 20:13:30
Local clock offset: 0.122 ms
Remote clock offset: -6.472 ms

Below is generated by plot.py at 2018-04-18 01:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 889.33 Mbit/s
95th percentile per-packet one-way delay: 29.378 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 714.39 Mbit/s
95th percentile per-packet one-way delay: 32.540 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 226.19 Mbit/s
95th percentile per-packet one-way delay: 20.138 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 20.106 ms
Loss rate: 0.56%

Run 7: Report of PCC-Allegro — Data Link

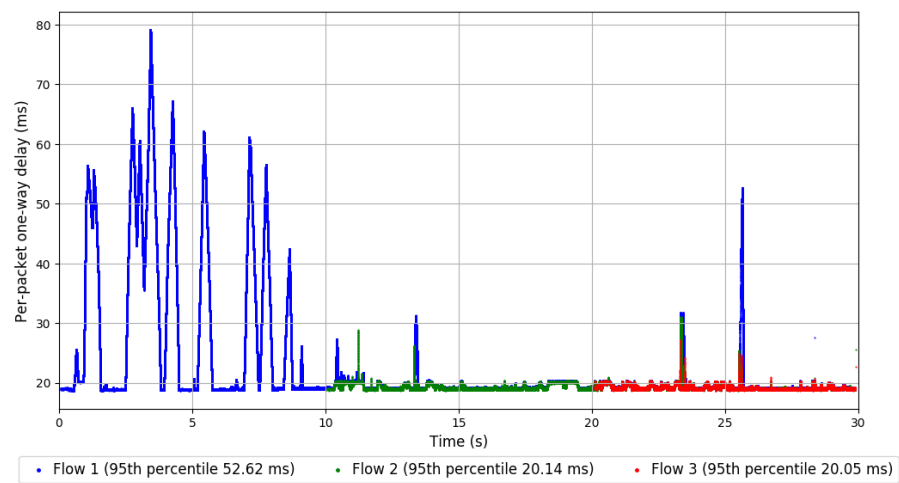
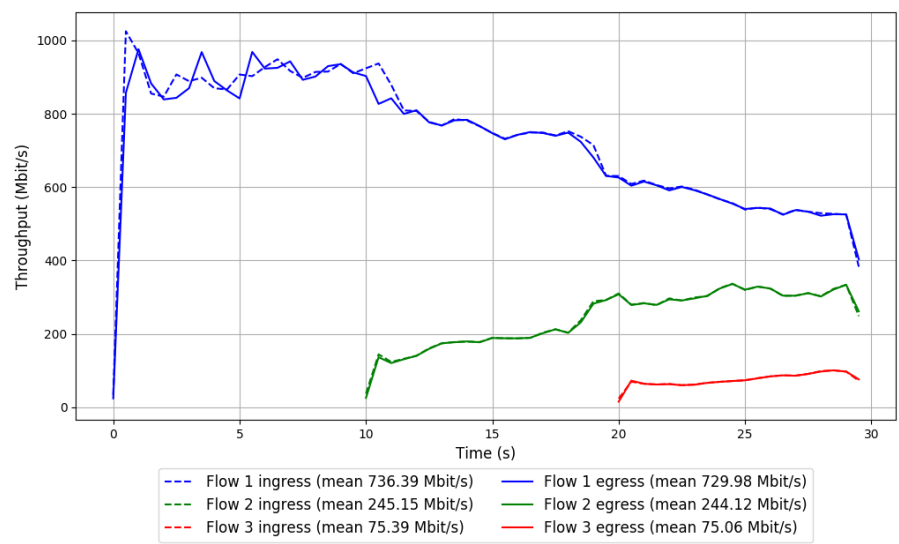


Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 20:39:40
End at: 2018-04-17 20:40:10
Local clock offset: 0.182 ms
Remote clock offset: -5.323 ms

Below is generated by plot.py at 2018-04-18 01:03:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 916.85 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 729.98 Mbit/s
95th percentile per-packet one-way delay: 52.617 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 244.12 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 20.055 ms
Loss rate: 0.40%

Run 8: Report of PCC-Allegro — Data Link

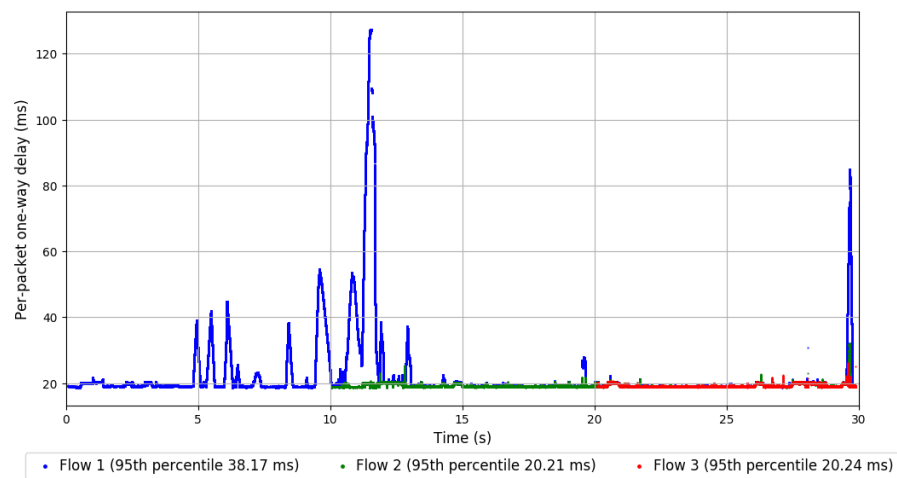
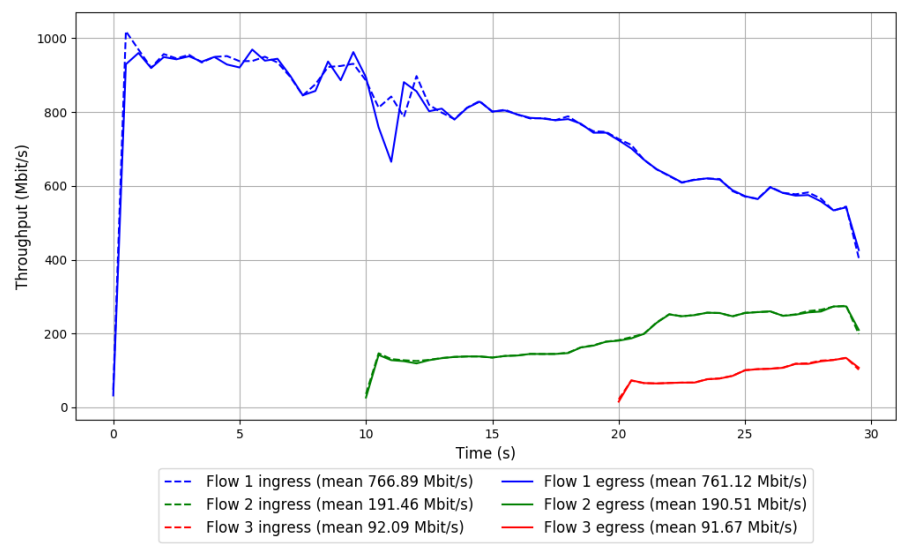


Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 21:06:14
End at: 2018-04-17 21:06:44
Local clock offset: 0.213 ms
Remote clock offset: -6.147 ms

Below is generated by plot.py at 2018-04-18 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.75 Mbit/s
95th percentile per-packet one-way delay: 35.503 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 761.12 Mbit/s
95th percentile per-packet one-way delay: 38.166 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 190.51 Mbit/s
95th percentile per-packet one-way delay: 20.208 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 20.238 ms
Loss rate: 0.40%

Run 9: Report of PCC-Allegro — Data Link

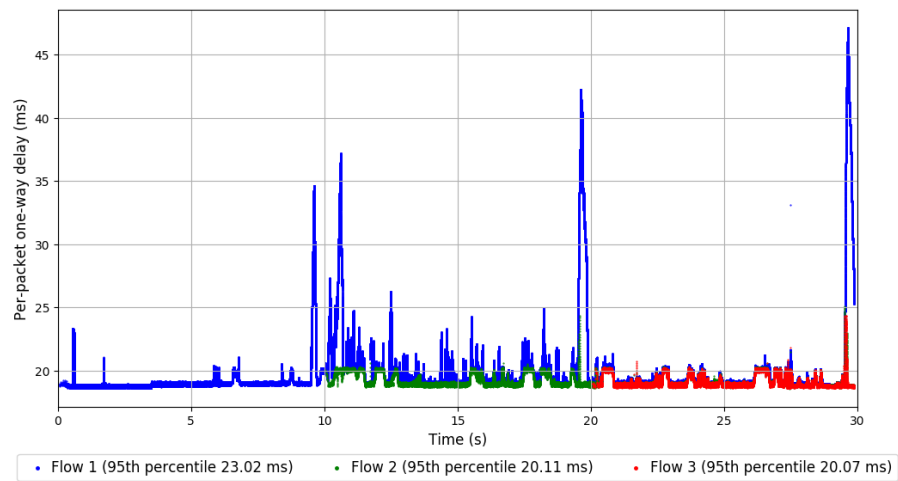
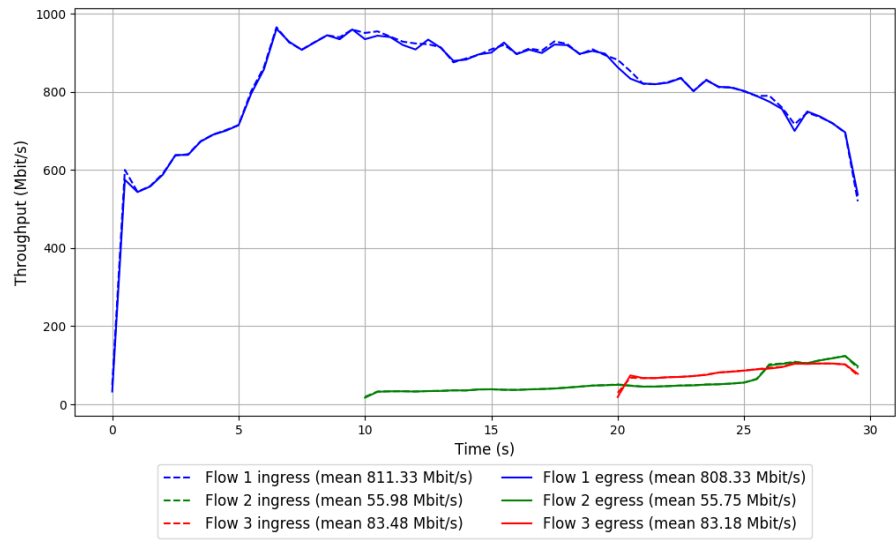


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 21:32:53
End at: 2018-04-17 21:33:23
Local clock offset: 0.459 ms
Remote clock offset: -6.087 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 872.82 Mbit/s
95th percentile per-packet one-way delay: 22.602 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 808.33 Mbit/s
95th percentile per-packet one-way delay: 23.019 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 20.112 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.37%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 17:39:33

End at: 2018-04-17 17:40:03

Local clock offset: -0.041 ms

Remote clock offset: -5.32 ms

Below is generated by plot.py at 2018-04-18 01:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 18.892 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.30 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 18.900 ms

Loss rate: 0.00%

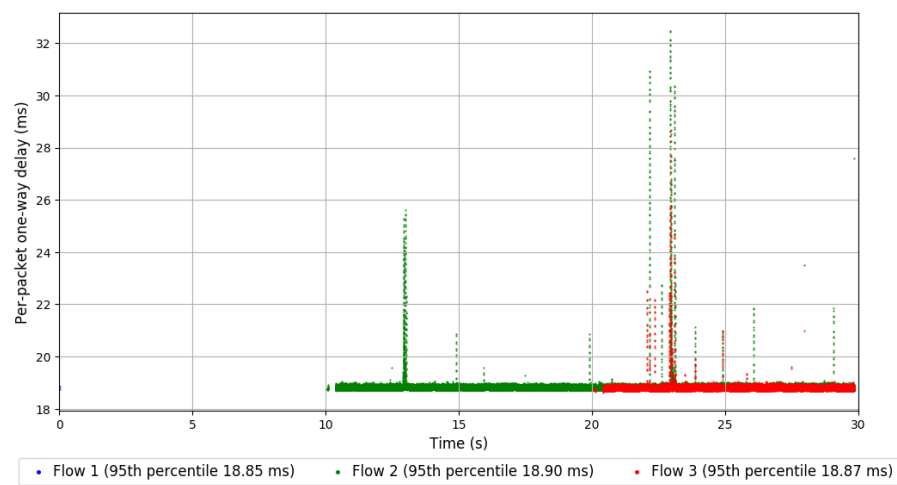
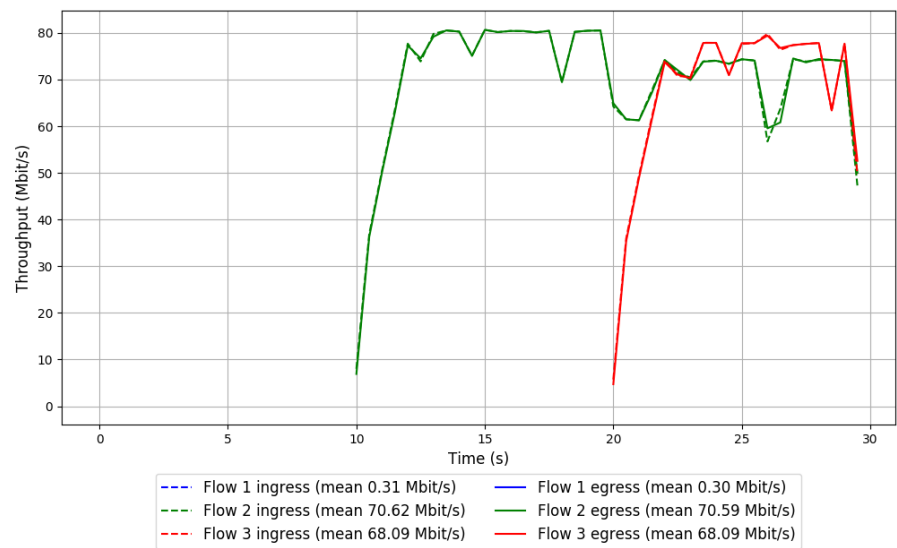
-- Flow 3:

Average throughput: 68.09 Mbit/s

95th percentile per-packet one-way delay: 18.871 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

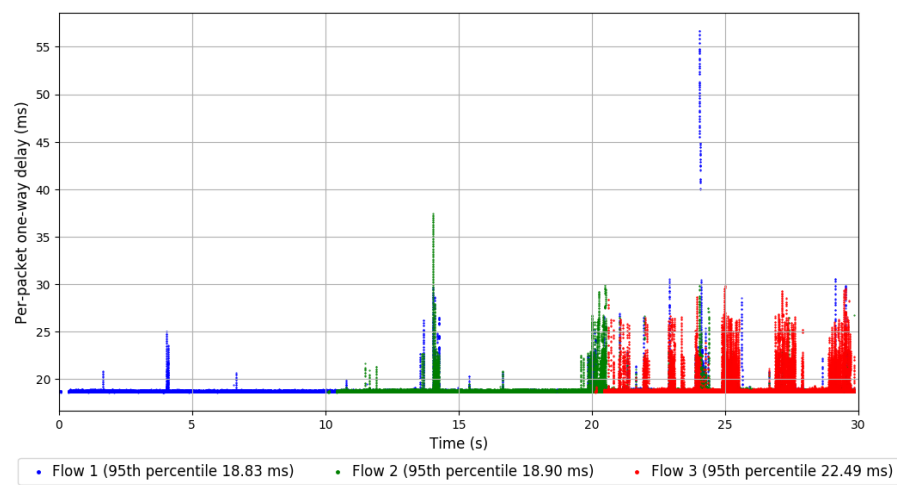
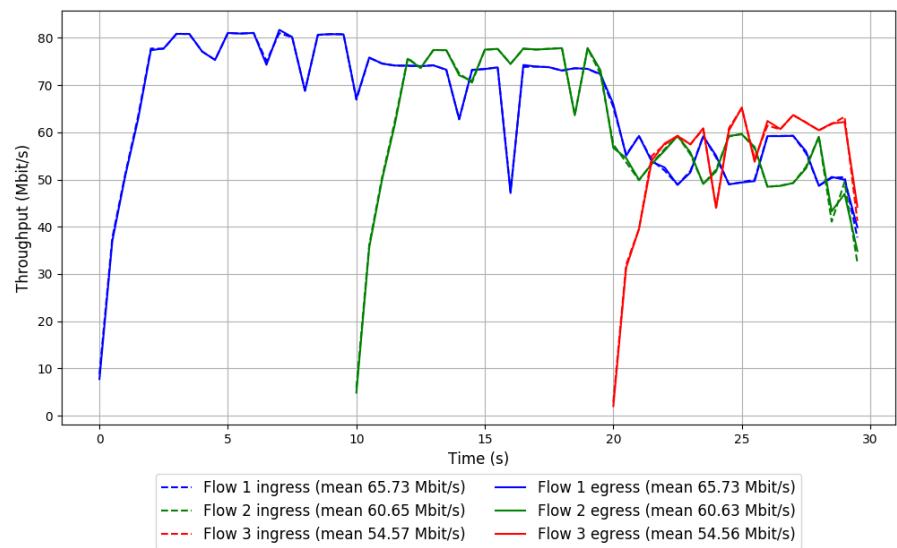


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 18:06:12
End at: 2018-04-17 18:06:42
Local clock offset: -0.022 ms
Remote clock offset: -4.834 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.74 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 18.831 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 22.494 ms
Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link

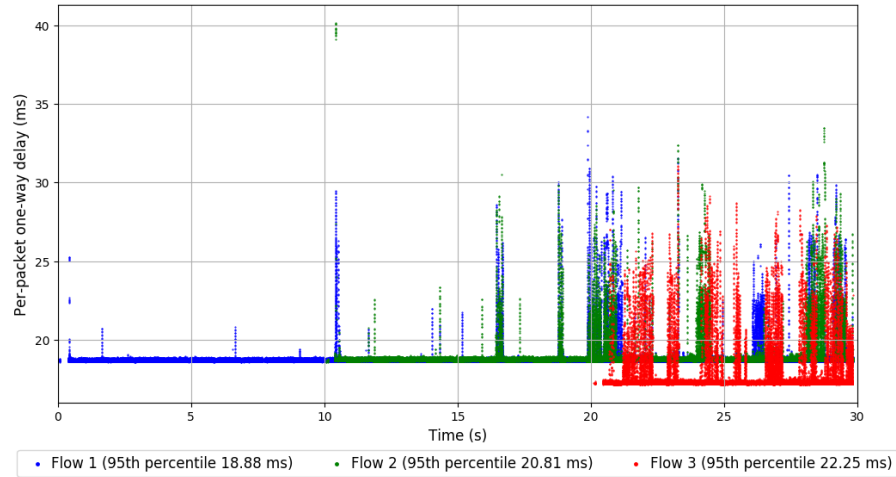
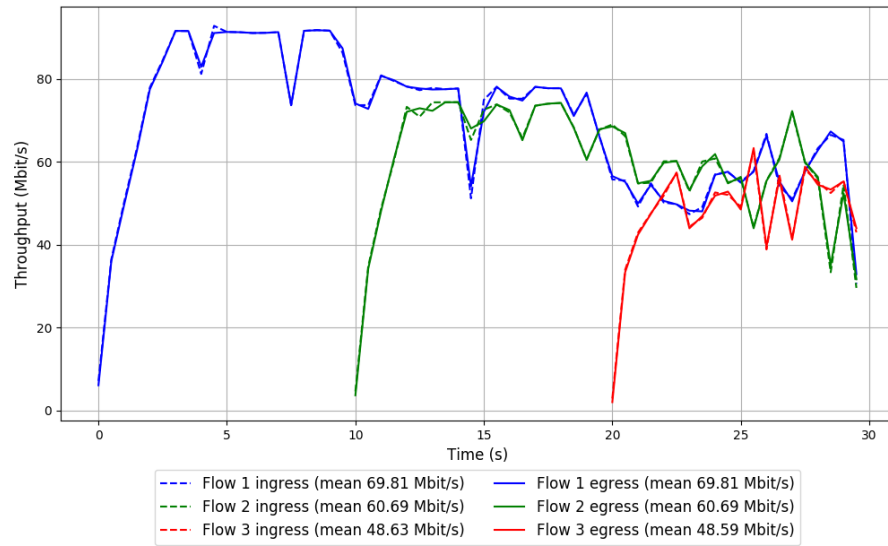


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 18:32:45
End at: 2018-04-17 18:33:15
Local clock offset: 0.012 ms
Remote clock offset: -5.062 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.91 Mbit/s
95th percentile per-packet one-way delay: 20.125 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 18.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 20.814 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 22.248 ms
Loss rate: 0.06%

Run 3: Report of QUIC Cubic — Data Link

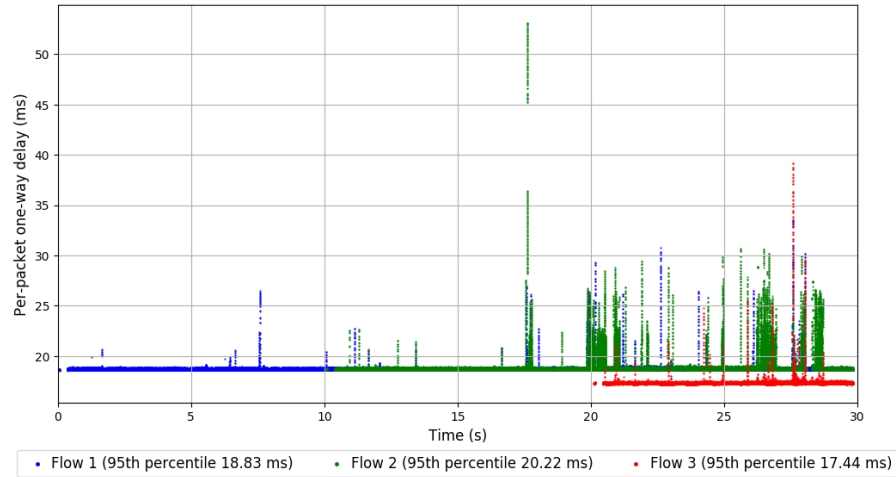
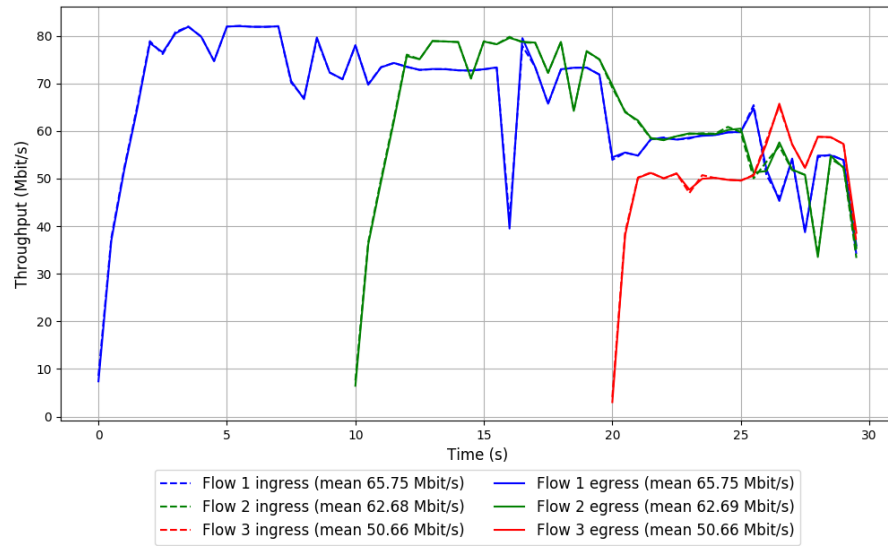


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 18:59:28
End at: 2018-04-17 18:59:58
Local clock offset: 0.122 ms
Remote clock offset: -6.513 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.93 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 20.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 17.444 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

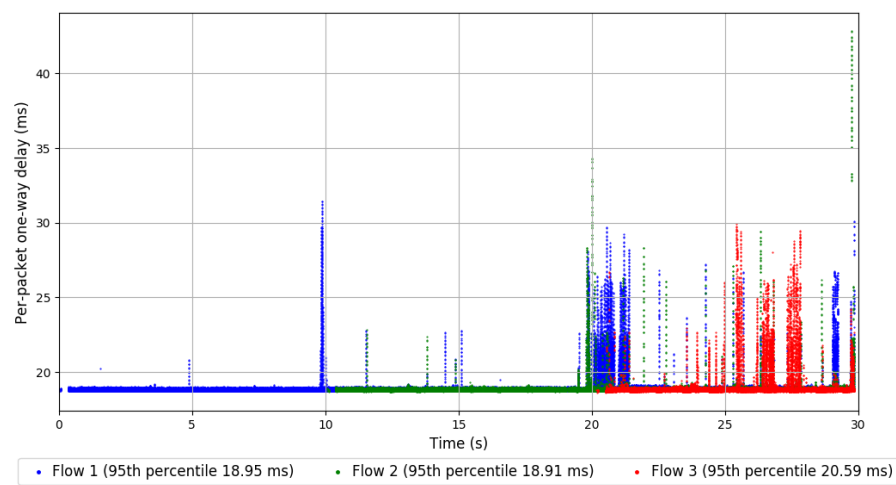
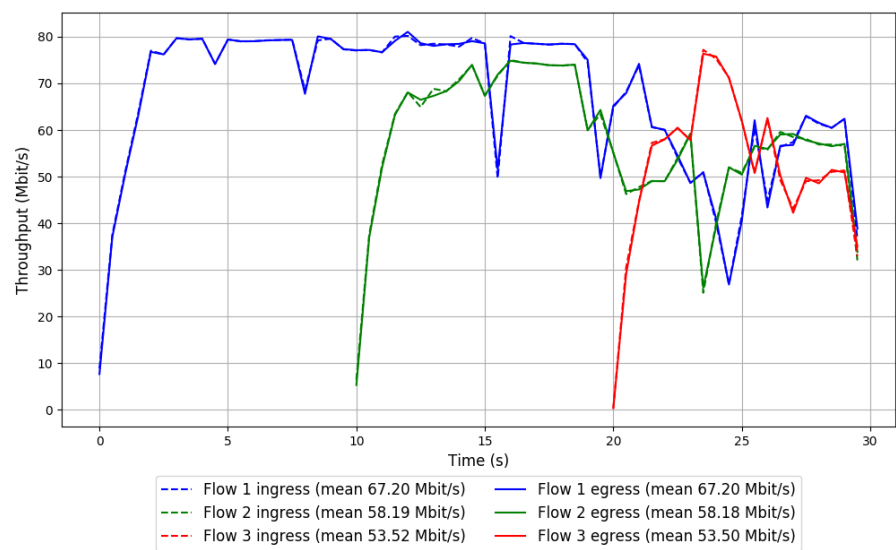


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 19:26:05
End at: 2018-04-17 19:26:35
Local clock offset: -0.003 ms
Remote clock offset: -6.562 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.12 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.50 Mbit/s
95th percentile per-packet one-way delay: 20.588 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

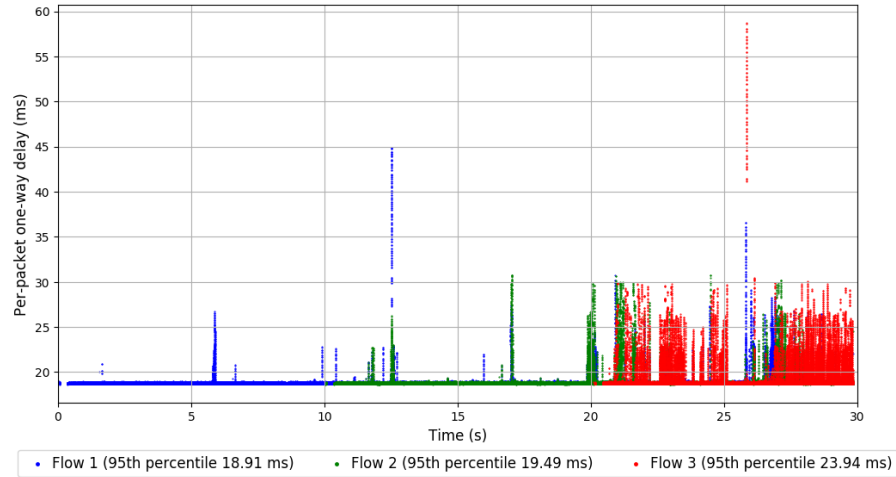
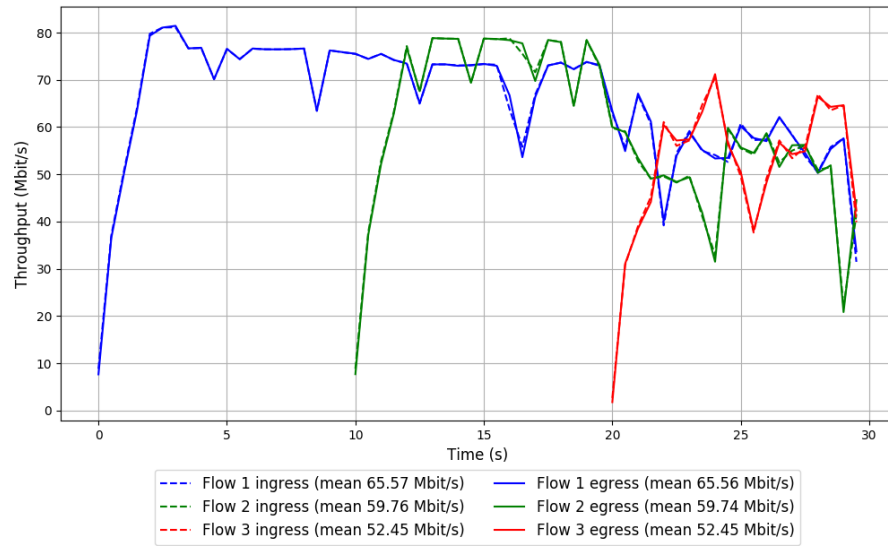


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 19:52:38
End at: 2018-04-17 19:53:08
Local clock offset: 0.174 ms
Remote clock offset: -6.448 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.39 Mbit/s
95th percentile per-packet one-way delay: 20.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 19.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 23.942 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

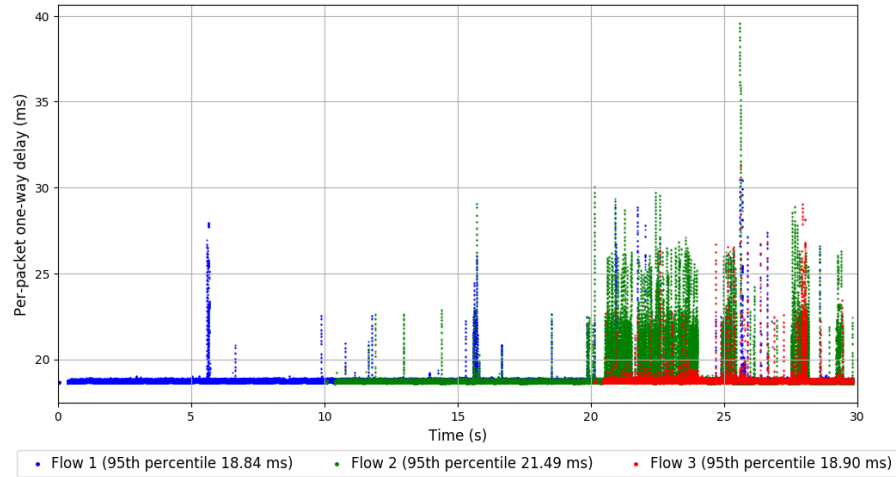
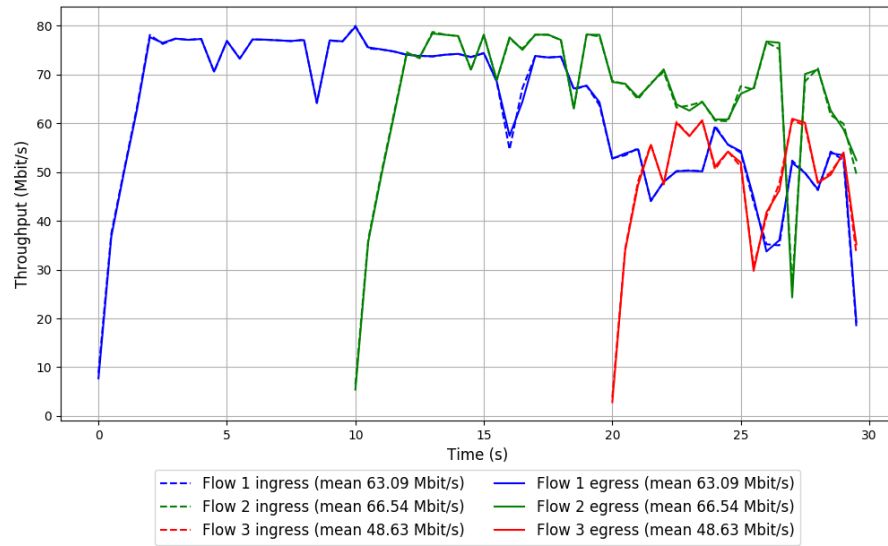


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 20:19:18
End at: 2018-04-17 20:19:48
Local clock offset: 0.155 ms
Remote clock offset: -6.522 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.17 Mbit/s
95th percentile per-packet one-way delay: 19.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.54 Mbit/s
95th percentile per-packet one-way delay: 21.487 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 18.904 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

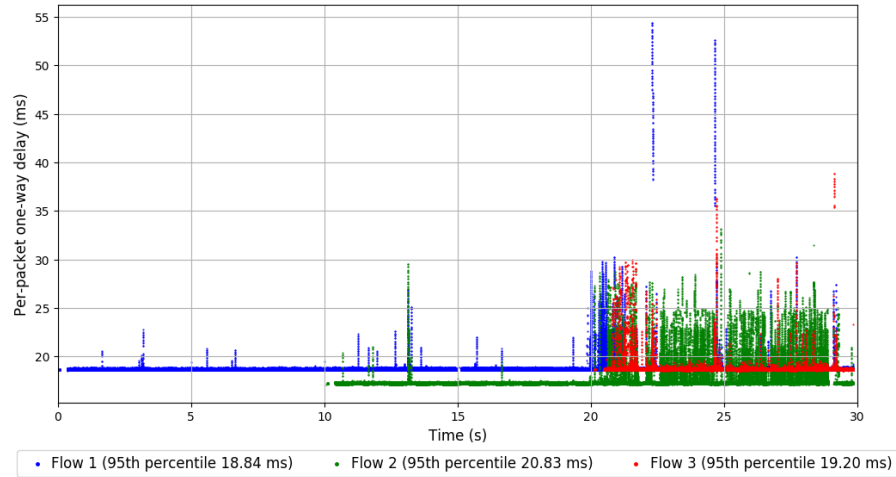
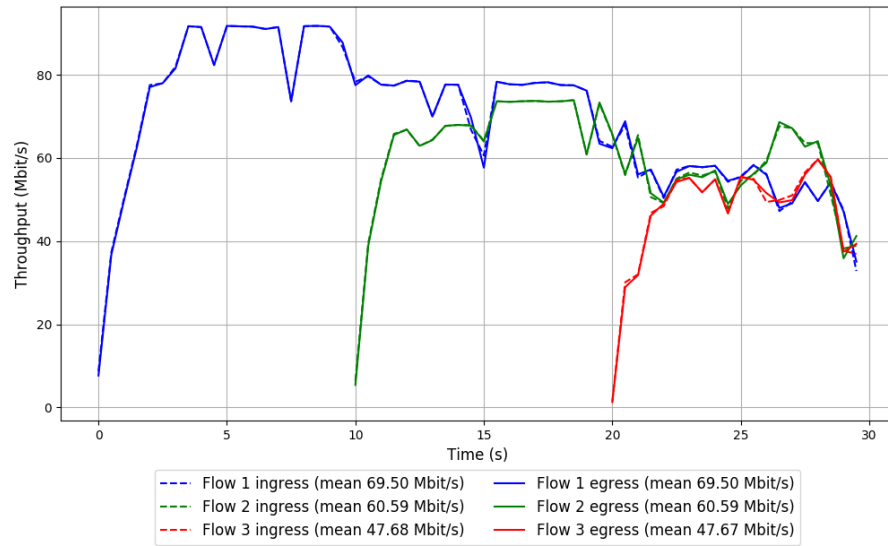


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 20:46:00
End at: 2018-04-17 20:46:30
Local clock offset: 0.198 ms
Remote clock offset: -5.284 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.23 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 18.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 20.831 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 19.197 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

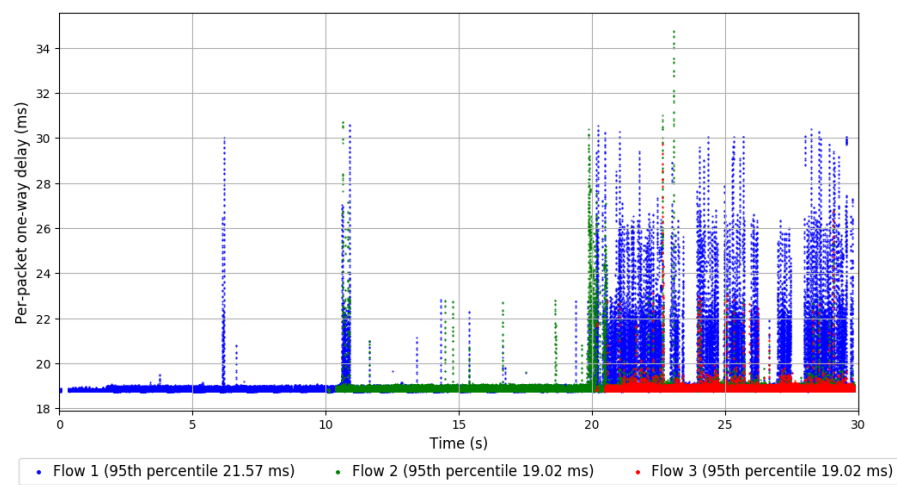
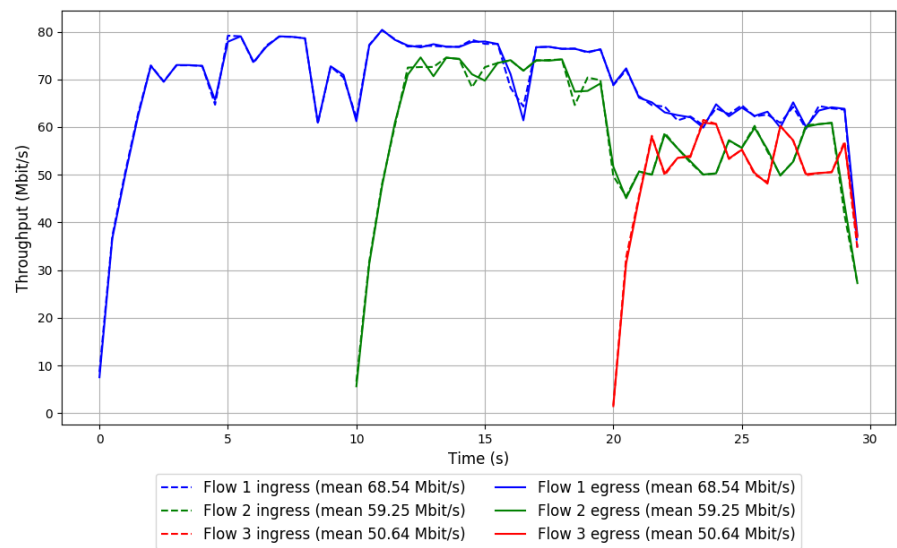


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 21:12:33
End at: 2018-04-17 21:13:03
Local clock offset: 0.254 ms
Remote clock offset: -6.274 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.35 Mbit/s
95th percentile per-packet one-way delay: 20.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 21.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

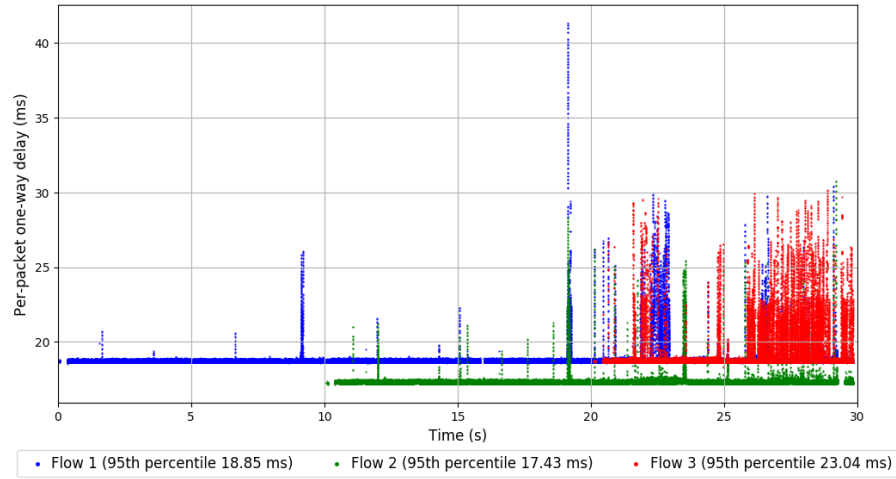
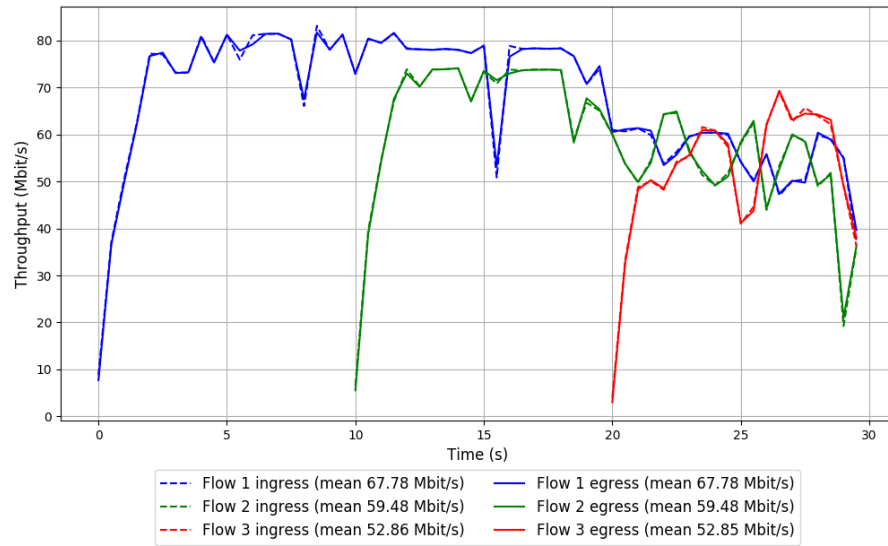


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 21:39:13
End at: 2018-04-17 21:39:43
Local clock offset: 0.54 ms
Remote clock offset: -5.672 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.49 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.78 Mbit/s
95th percentile per-packet one-way delay: 18.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 17.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 23.039 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

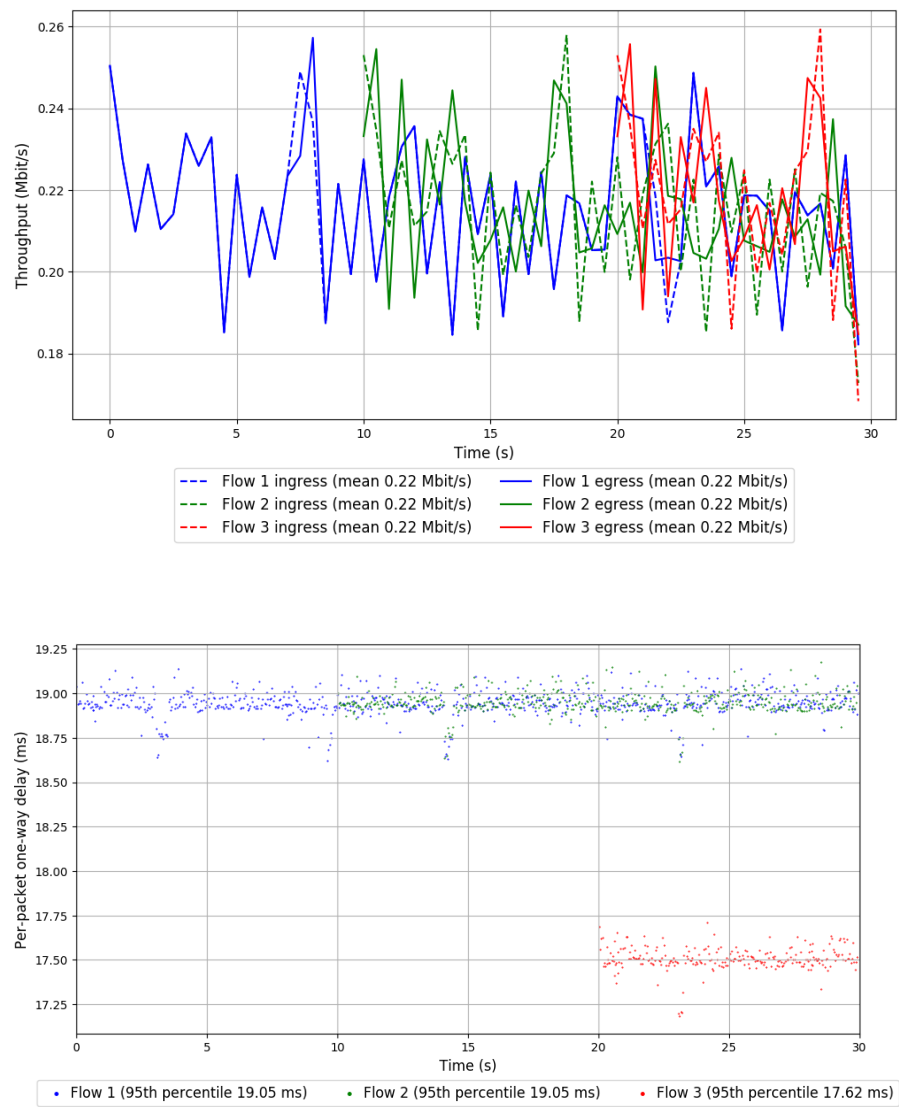


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 17:50:53
End at: 2018-04-17 17:51:23
Local clock offset: -0.04 ms
Remote clock offset: -4.979 ms

# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.622 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-04-17 18:17:31

End at: 2018-04-17 18:18:01

Local clock offset: -0.13 ms

Remote clock offset: -5.1 ms

Below is generated by plot.py at 2018-04-18 01:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.125 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.151 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.703 ms

Loss rate: 0.00%

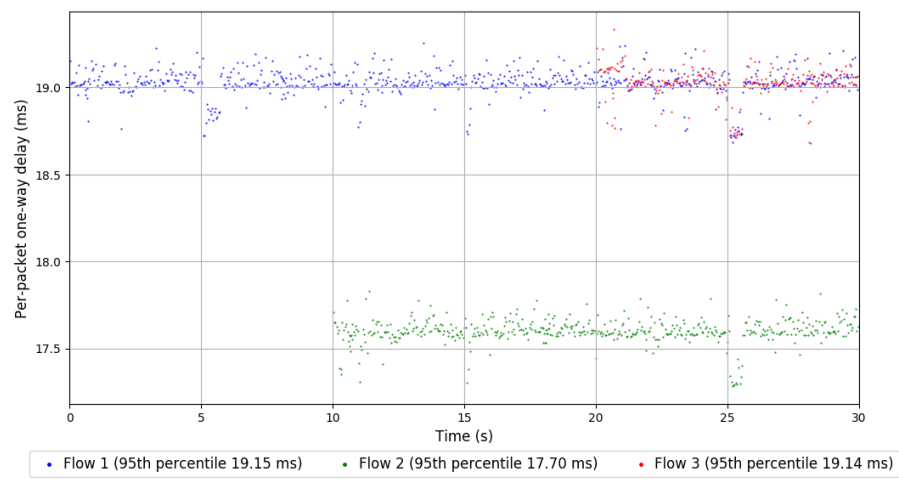
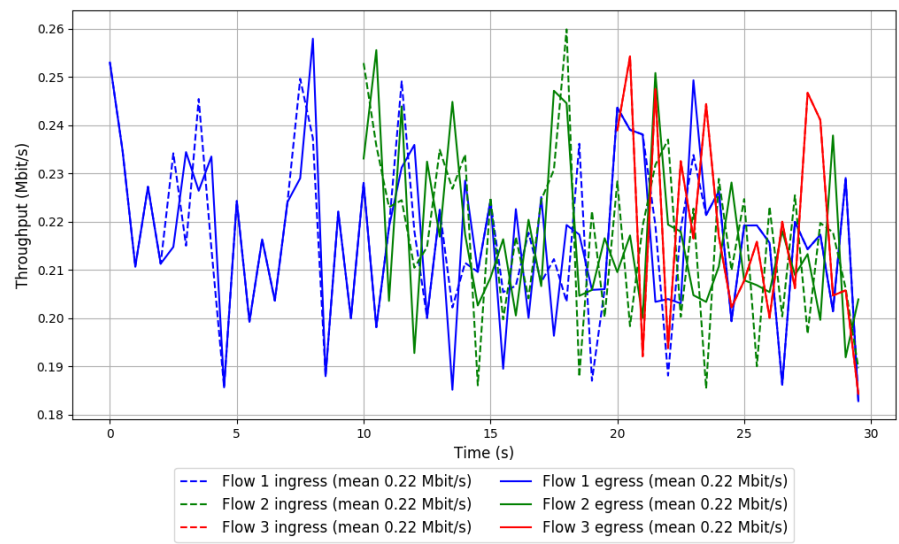
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.140 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

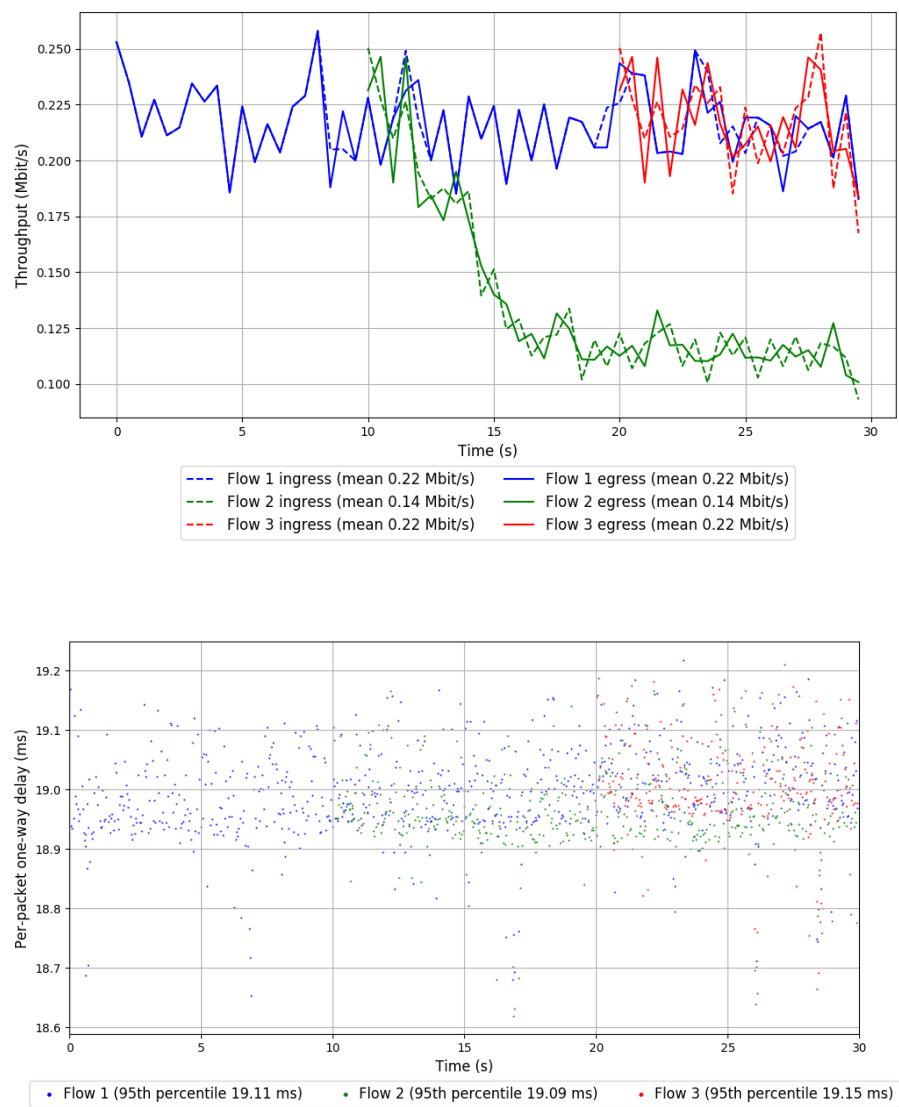


Run 3: Statistics of SCReAM

Start at: 2018-04-17 18:44:09
End at: 2018-04-17 18:44:39
Local clock offset: 0.102 ms
Remote clock offset: -5.801 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

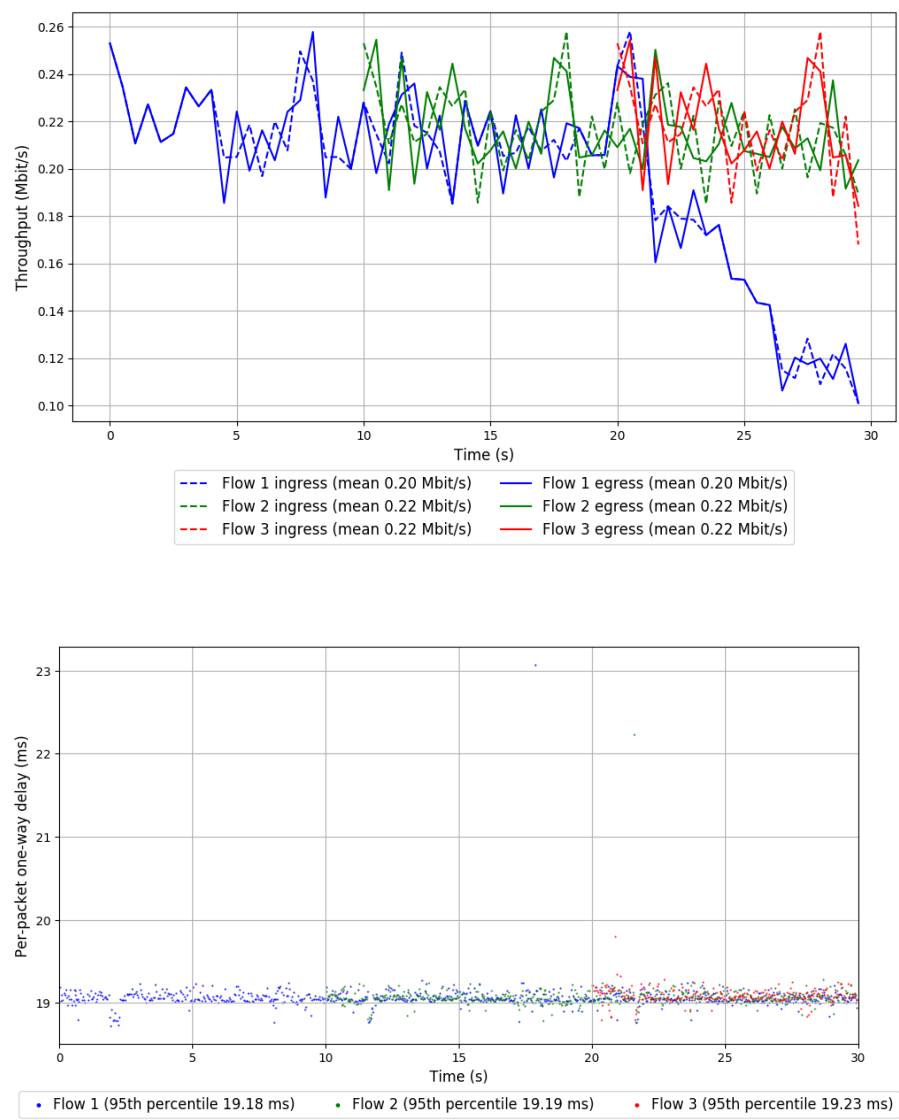


Run 4: Statistics of SReAM

Start at: 2018-04-17 19:10:53
End at: 2018-04-17 19:11:23
Local clock offset: 0.088 ms
Remote clock offset: -6.587 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.225 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

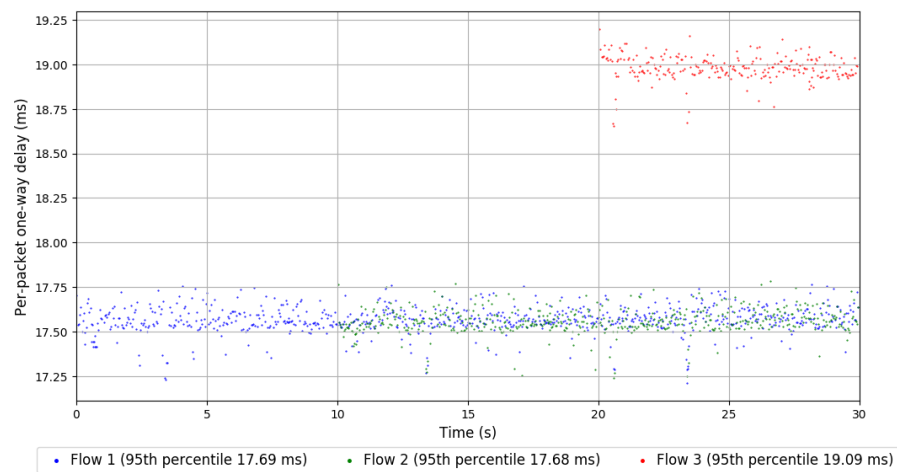
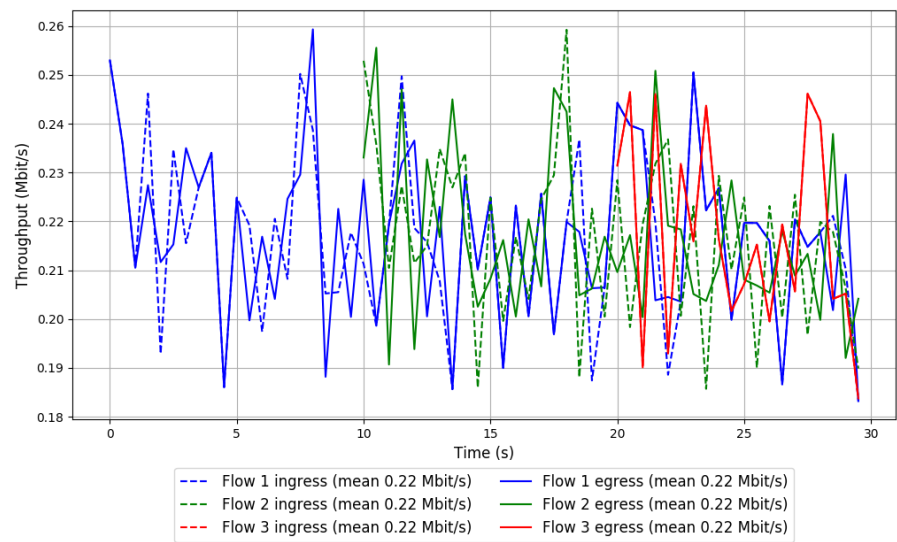


Run 5: Statistics of SReAM

Start at: 2018-04-17 19:37:21
End at: 2018-04-17 19:37:51
Local clock offset: 0.042 ms
Remote clock offset: -6.564 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.088 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

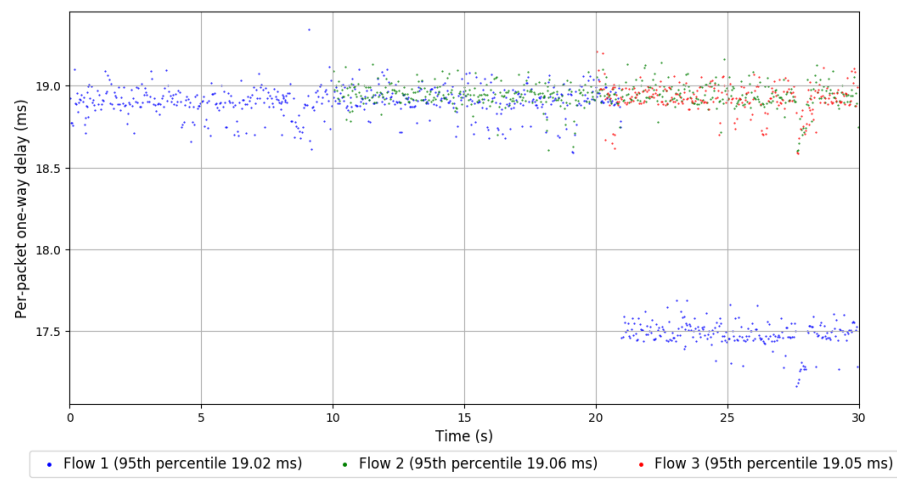
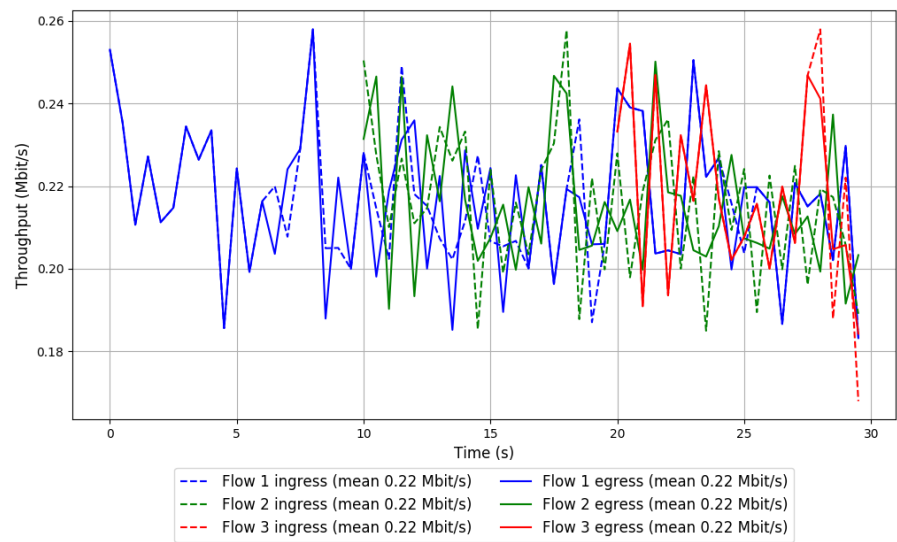


Run 6: Statistics of SReAM

Start at: 2018-04-17 20:03:55
End at: 2018-04-17 20:04:25
Local clock offset: 0.12 ms
Remote clock offset: -6.444 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

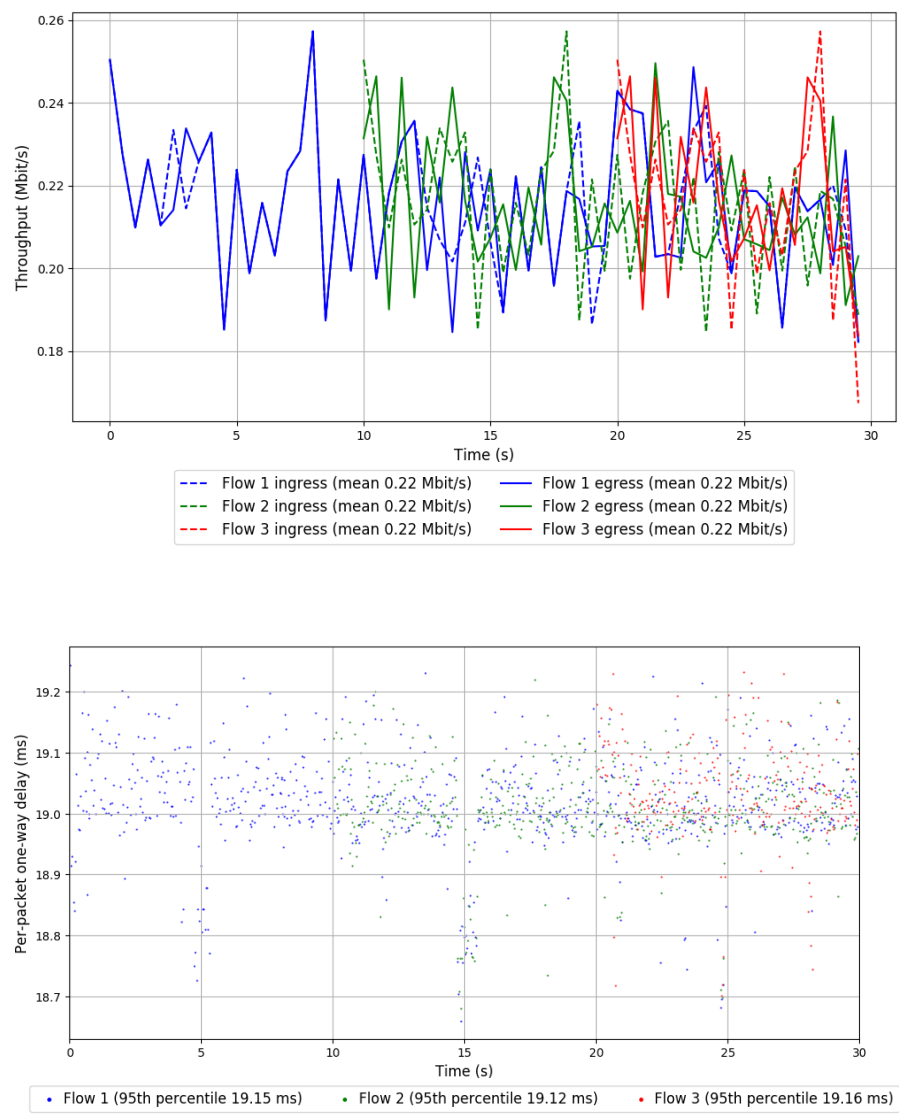


Run 7: Statistics of SReAM

Start at: 2018-04-17 20:30:39
End at: 2018-04-17 20:31:09
Local clock offset: 0.103 ms
Remote clock offset: -5.608 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

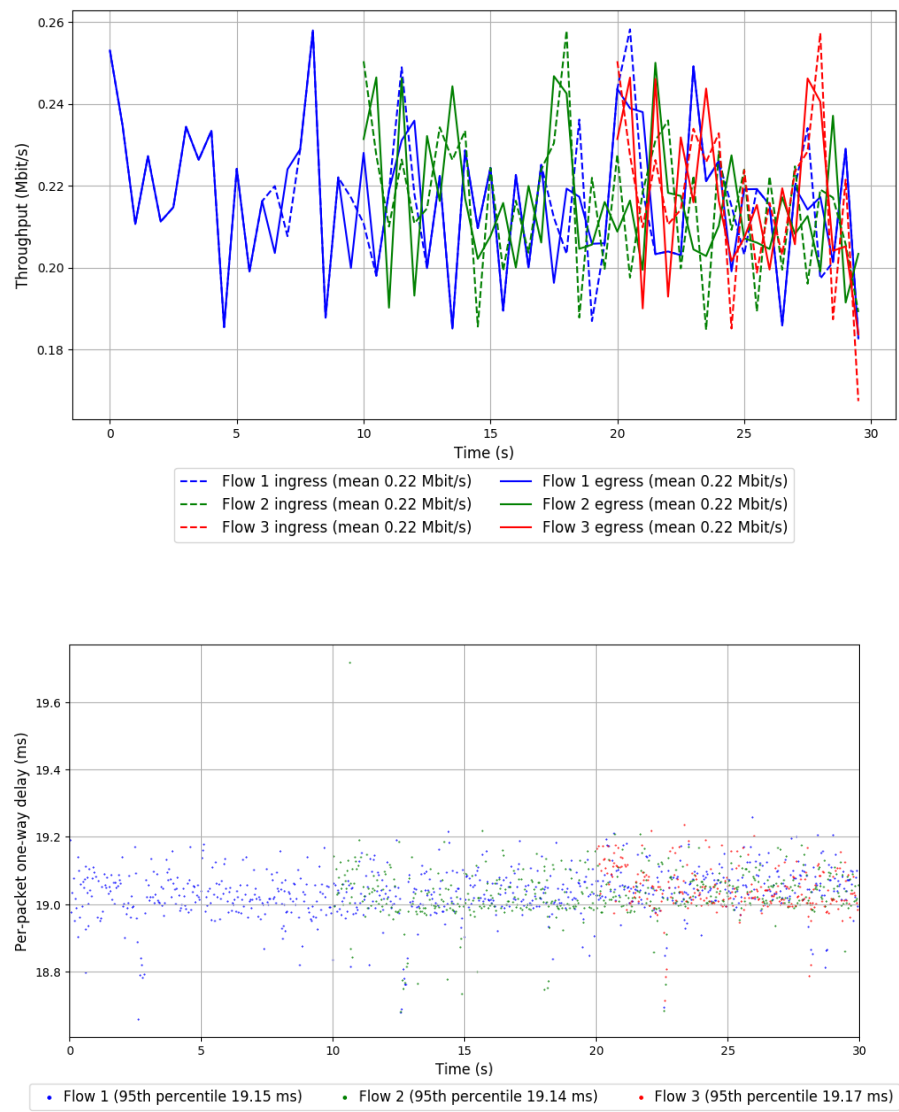


Run 8: Statistics of SReAM

Start at: 2018-04-17 20:57:11
End at: 2018-04-17 20:57:41
Local clock offset: 0.273 ms
Remote clock offset: -5.555 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

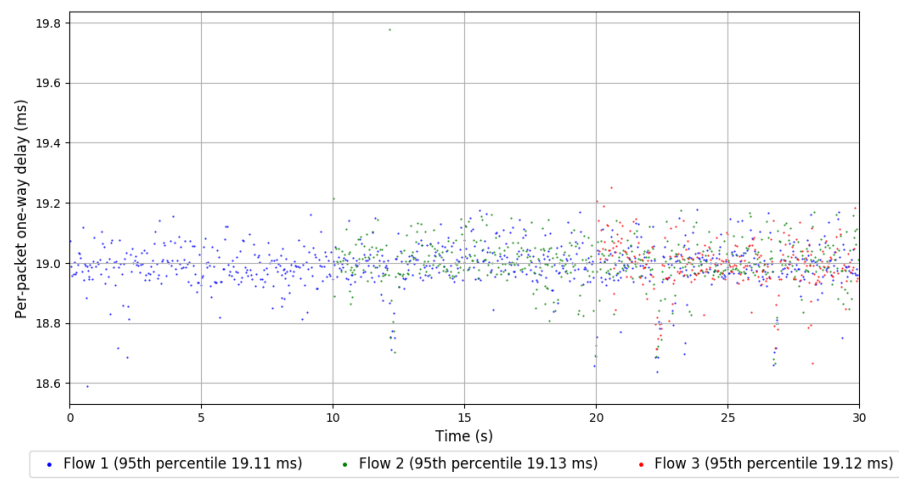
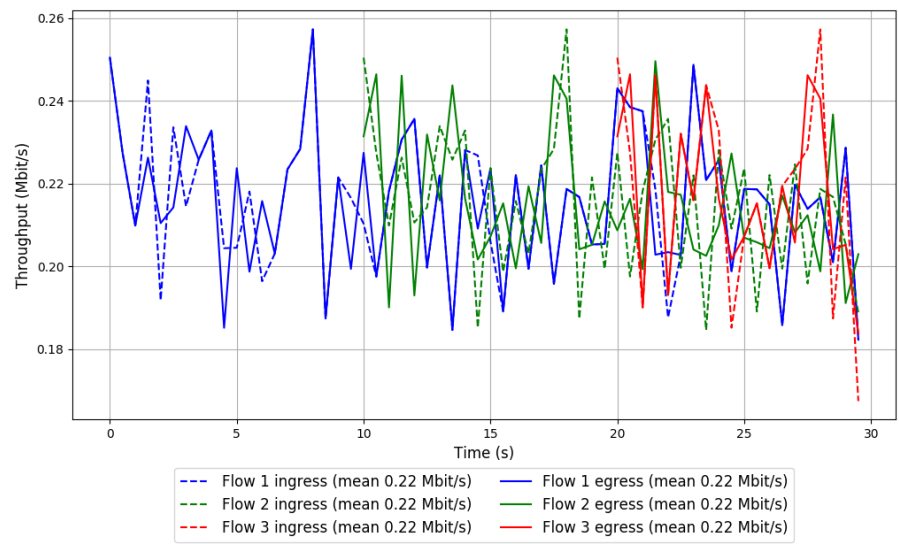


Run 9: Statistics of SReAM

Start at: 2018-04-17 21:23:51
End at: 2018-04-17 21:24:21
Local clock offset: 0.402 ms
Remote clock offset: -6.497 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

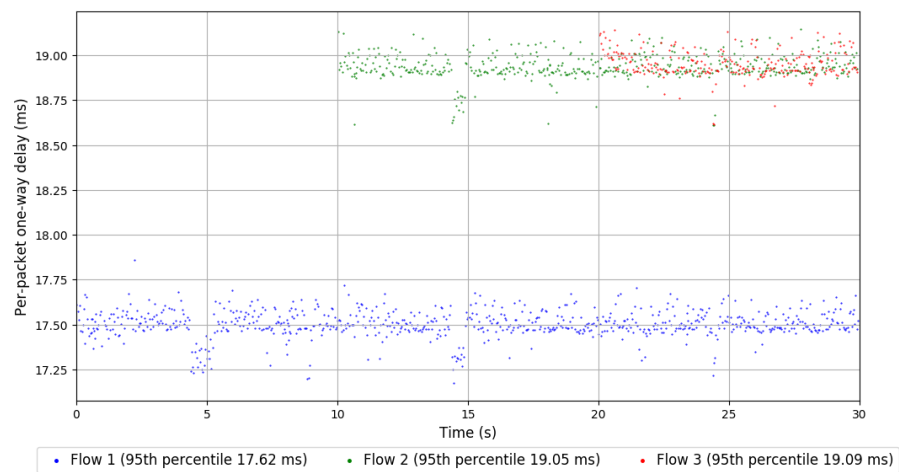
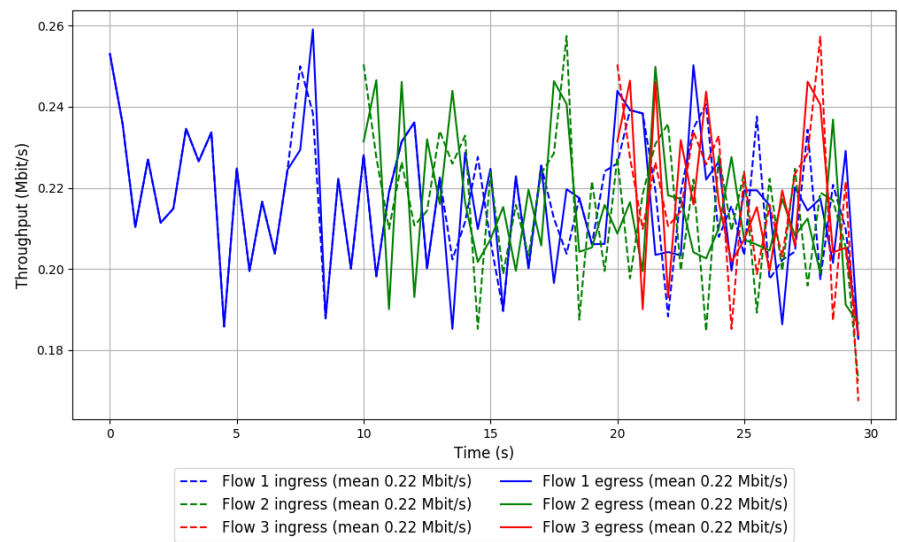


Run 10: Statistics of SReAM

Start at: 2018-04-17 21:50:18
End at: 2018-04-17 21:50:48
Local clock offset: 0.58 ms
Remote clock offset: -5.408 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

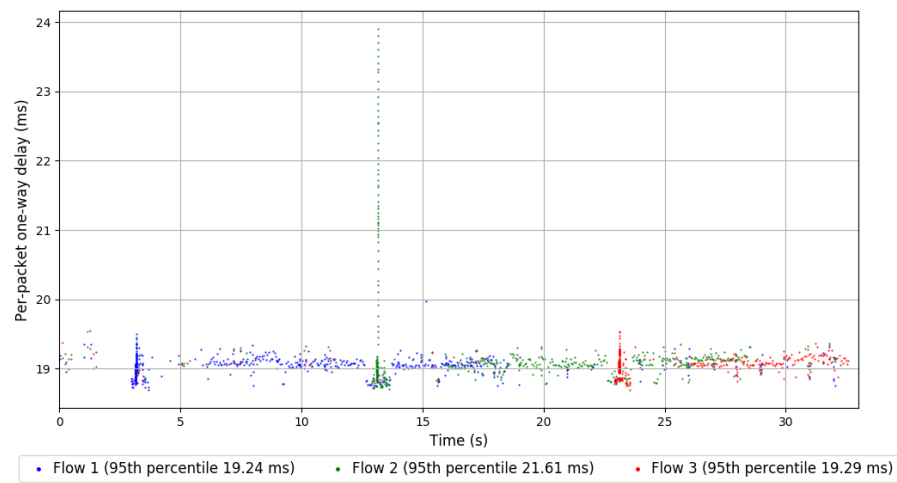
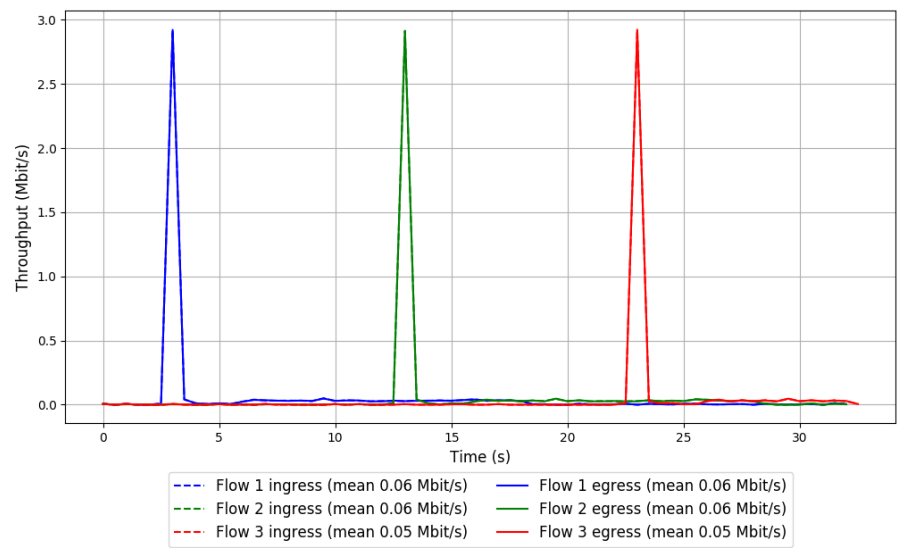


Run 1: Statistics of WebRTC media

Start at: 2018-04-17 17:38:15
End at: 2018-04-17 17:38:45
Local clock offset: -0.098 ms
Remote clock offset: -5.393 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

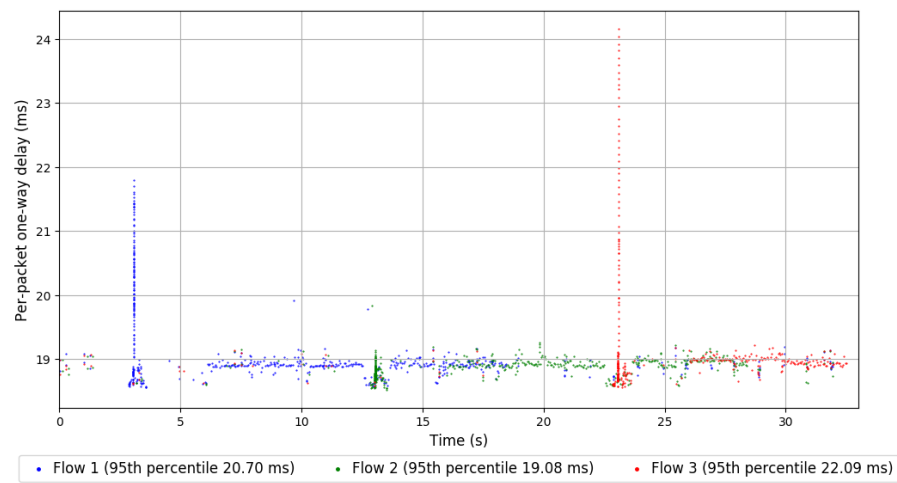
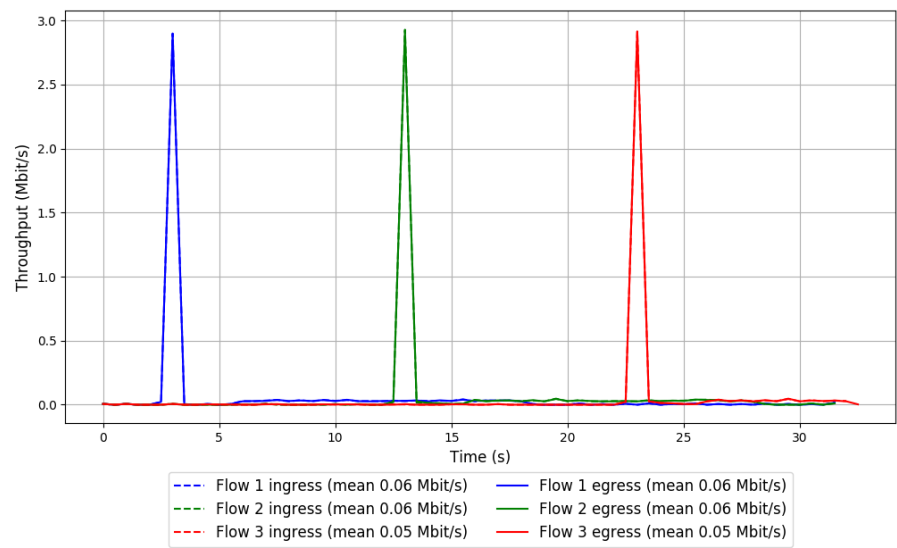


Run 2: Statistics of WebRTC media

Start at: 2018-04-17 18:04:53
End at: 2018-04-17 18:05:23
Local clock offset: -0.025 ms
Remote clock offset: -4.807 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.093 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 18:31:27

End at: 2018-04-17 18:31:57

Local clock offset: -0.019 ms

Remote clock offset: -5.12 ms

Below is generated by plot.py at 2018-04-18 01:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 20.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 17.637 ms

Loss rate: 0.00%

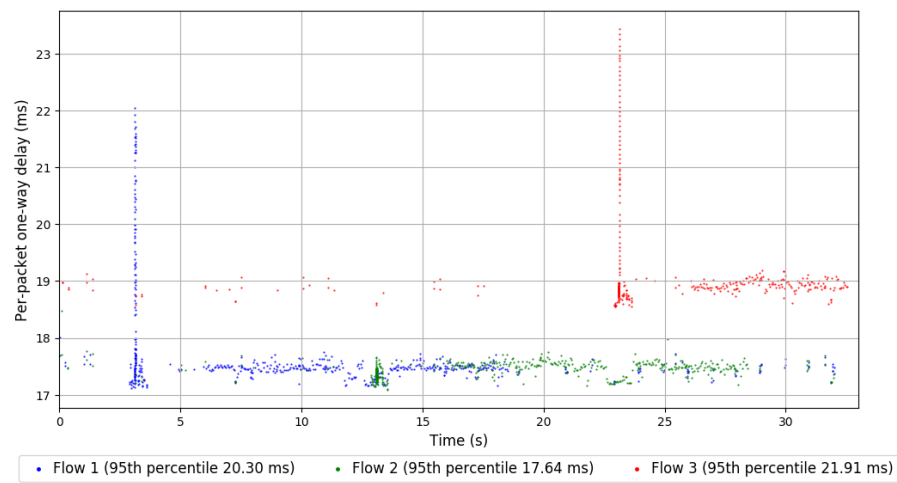
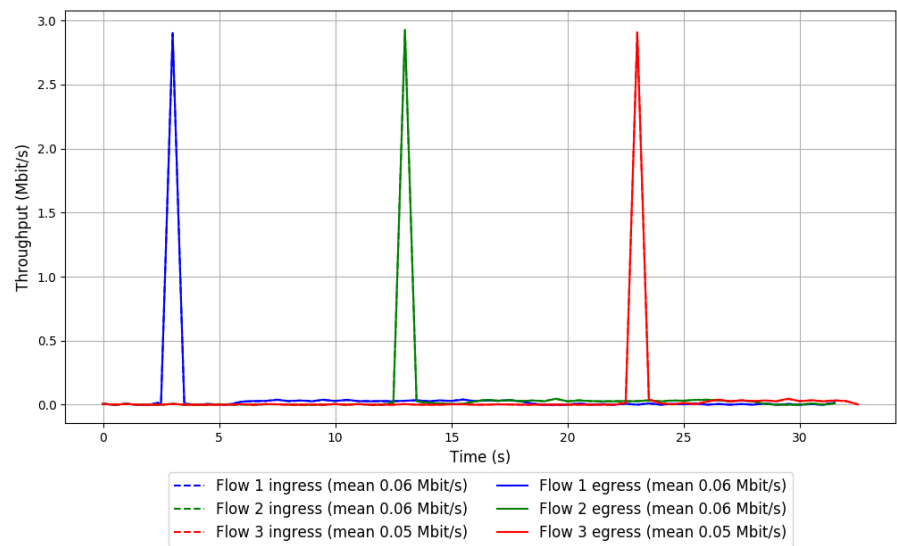
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 21.906 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

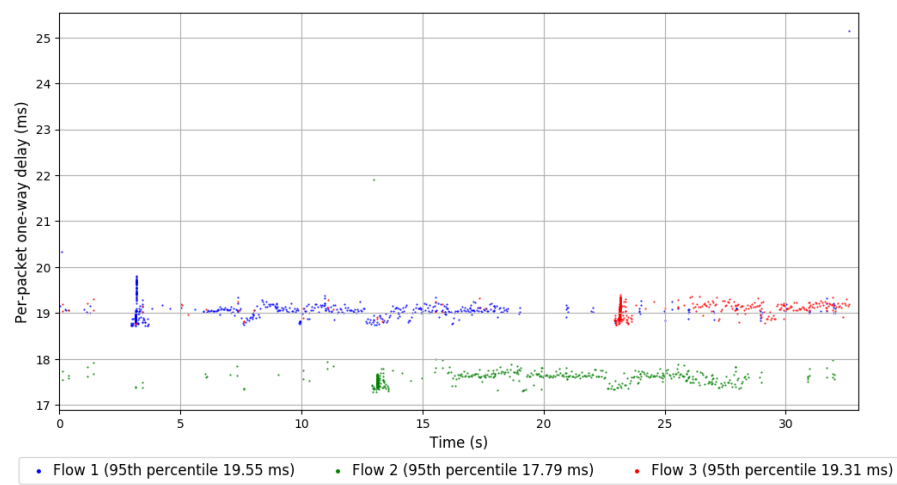
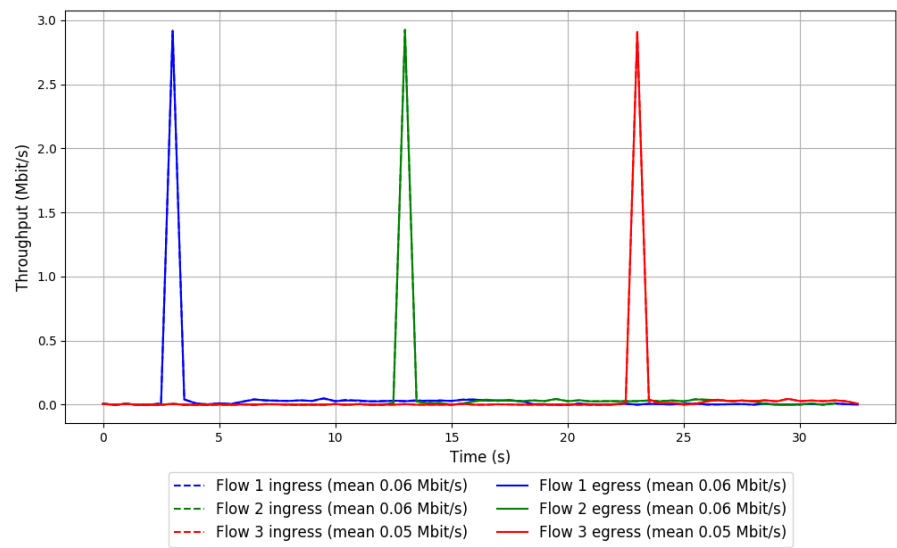


Run 4: Statistics of WebRTC media

Start at: 2018-04-17 18:58:09
End at: 2018-04-17 18:58:39
Local clock offset: 0.074 ms
Remote clock offset: -6.398 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.790 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

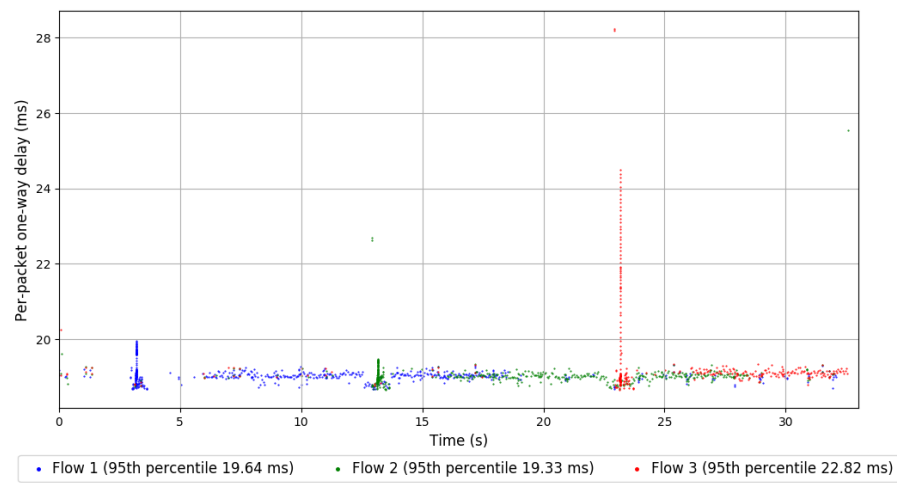
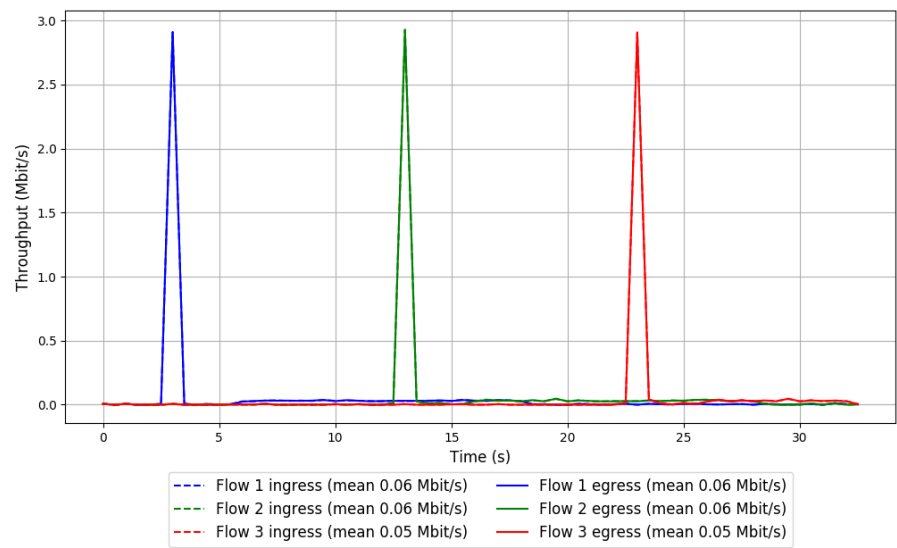


Run 5: Statistics of WebRTC media

Start at: 2018-04-17 19:24:55
End at: 2018-04-17 19:25:25
Local clock offset: 0.077 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.731 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.330 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.818 ms
Loss rate: 0.04%

Run 5: Report of WebRTC media — Data Link

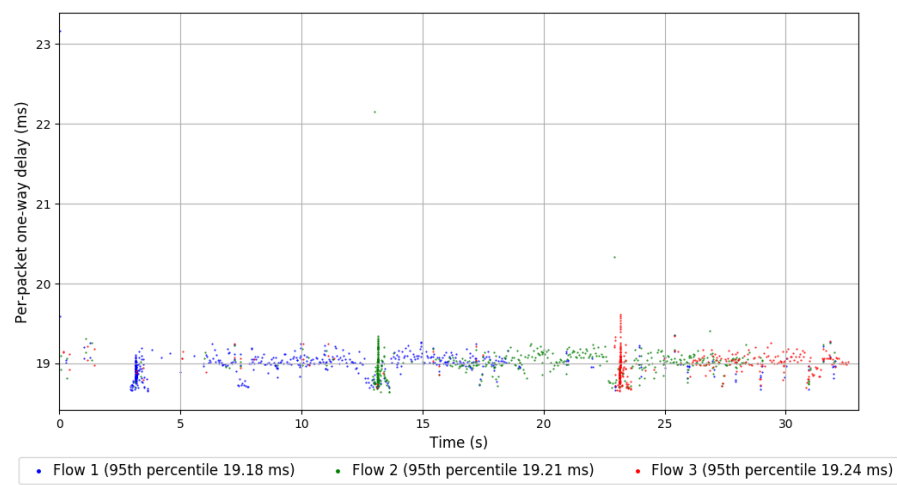
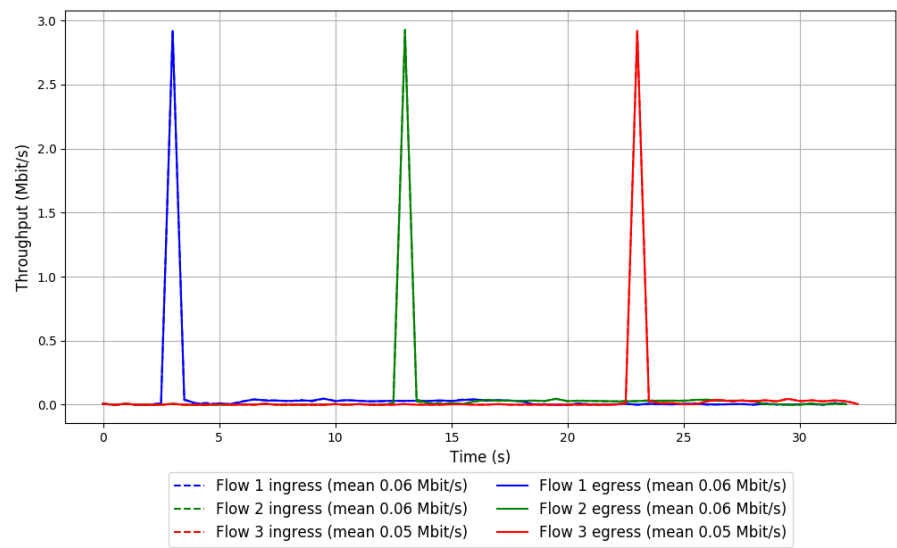


Run 6: Statistics of WebRTC media

Start at: 2018-04-17 19:51:20
End at: 2018-04-17 19:51:50
Local clock offset: 0.074 ms
Remote clock offset: -6.535 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

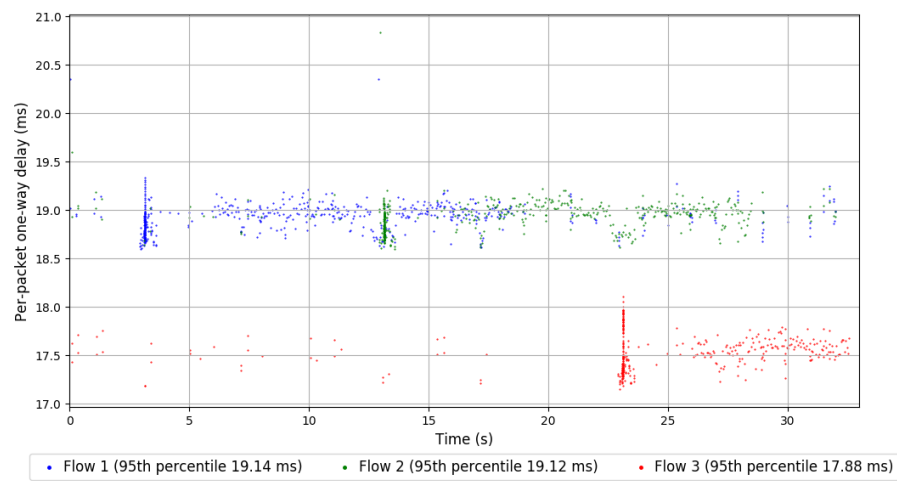
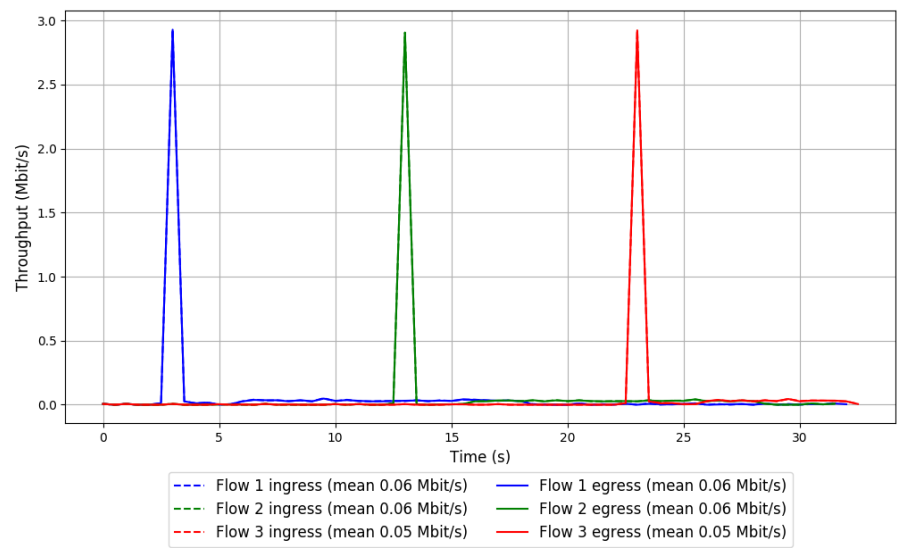


Run 7: Statistics of WebRTC media

Start at: 2018-04-17 20:18:00
End at: 2018-04-17 20:18:30
Local clock offset: 0.157 ms
Remote clock offset: -6.472 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.875 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

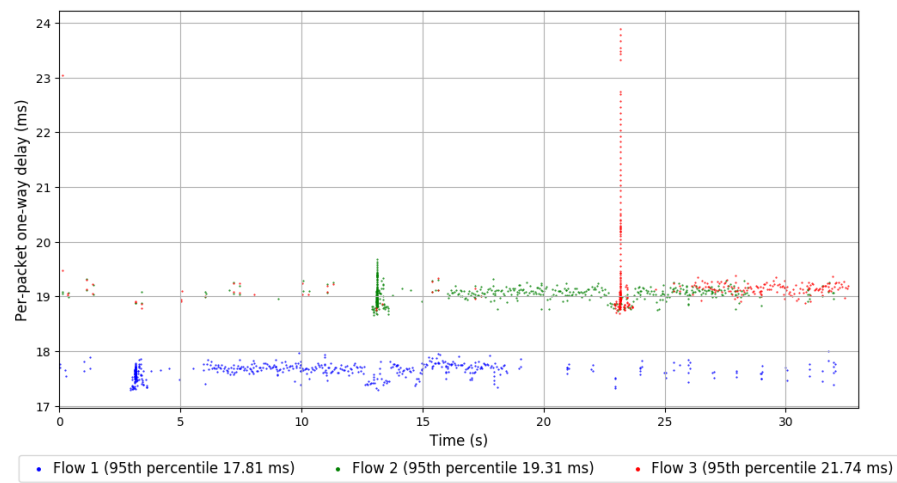
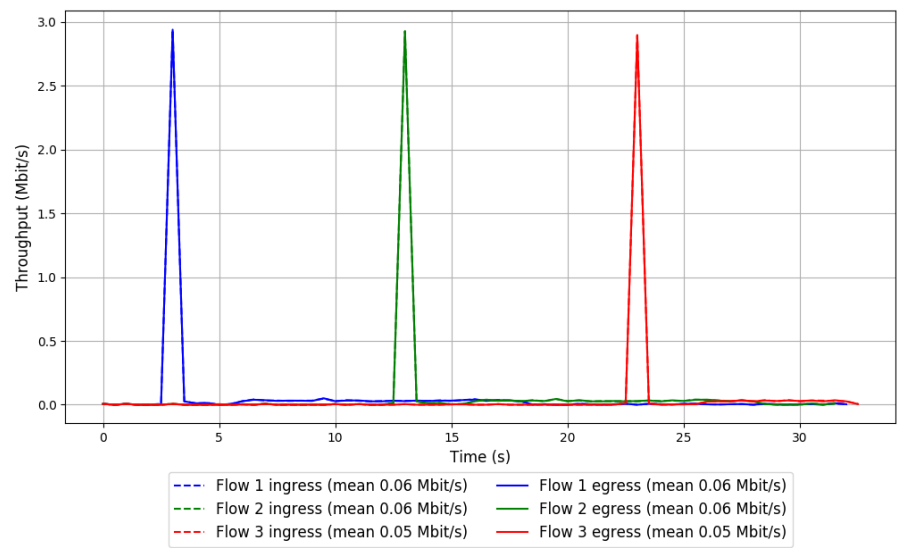


Run 8: Statistics of WebRTC media

Start at: 2018-04-17 20:44:42
End at: 2018-04-17 20:45:12
Local clock offset: 0.097 ms
Remote clock offset: -5.224 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.741 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

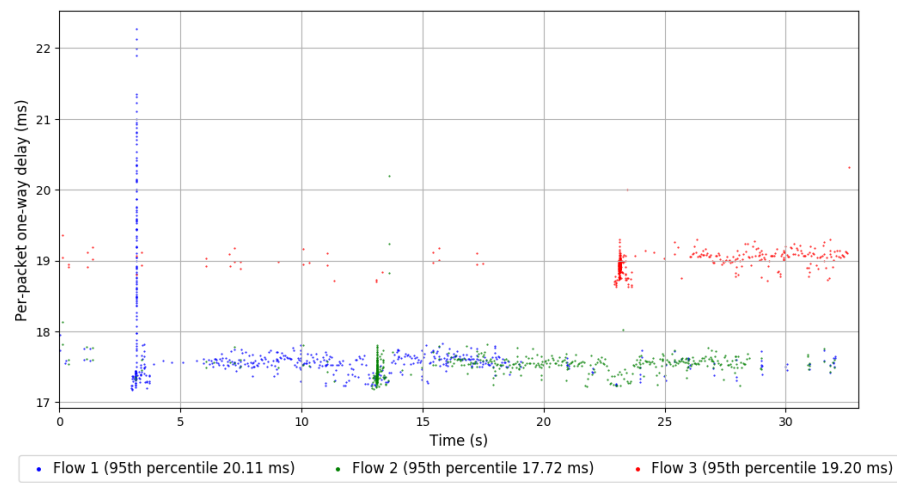
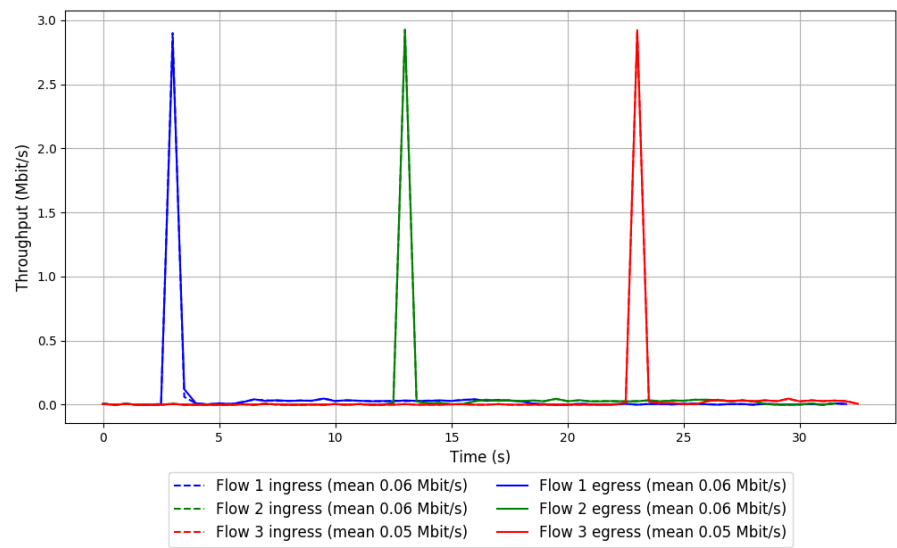


Run 9: Statistics of WebRTC media

Start at: 2018-04-17 21:11:14
End at: 2018-04-17 21:11:44
Local clock offset: 0.357 ms
Remote clock offset: -6.226 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

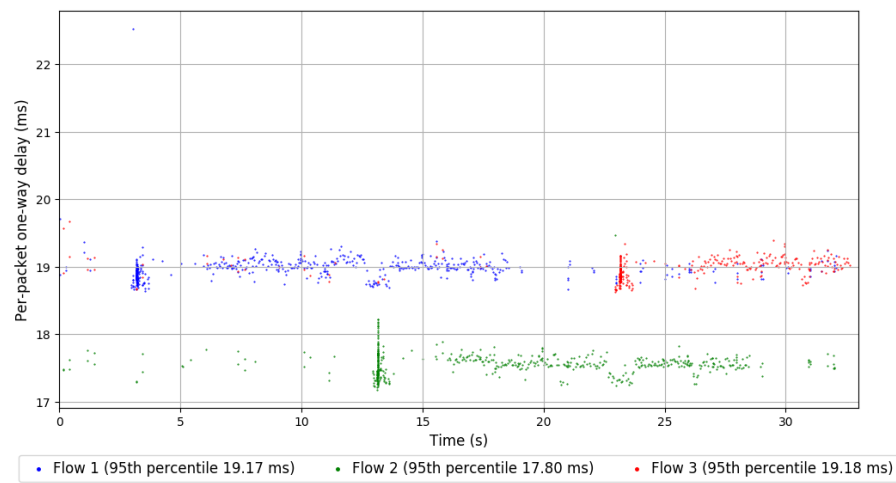
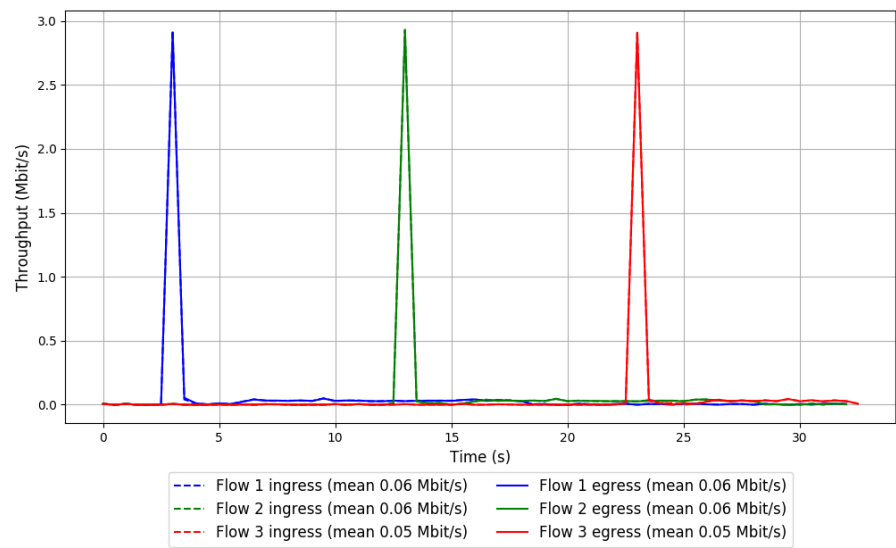


Run 10: Statistics of WebRTC media

Start at: 2018-04-17 21:37:55
End at: 2018-04-17 21:38:25
Local clock offset: 0.511 ms
Remote clock offset: -5.687 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

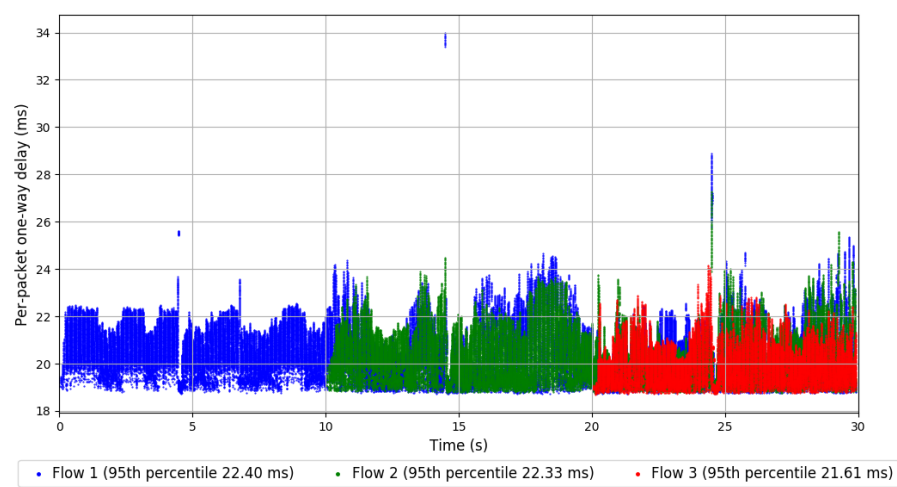
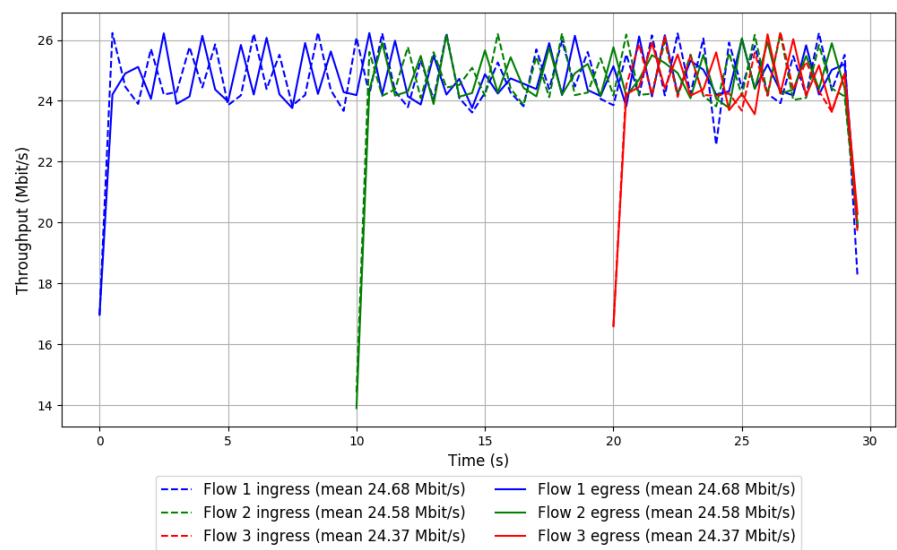


Run 1: Statistics of Sprout

Start at: 2018-04-17 17:52:12
End at: 2018-04-17 17:52:42
Local clock offset: -0.105 ms
Remote clock offset: -4.882 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 22.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.396 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 22.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 21.612 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

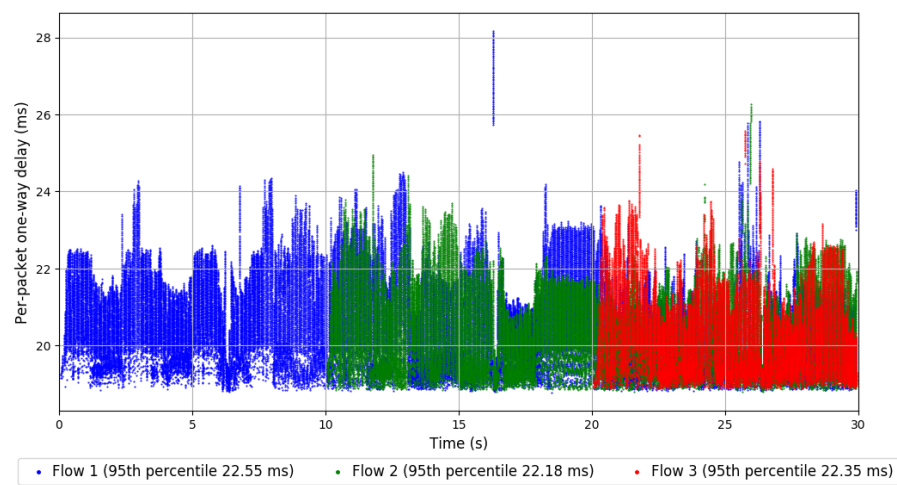
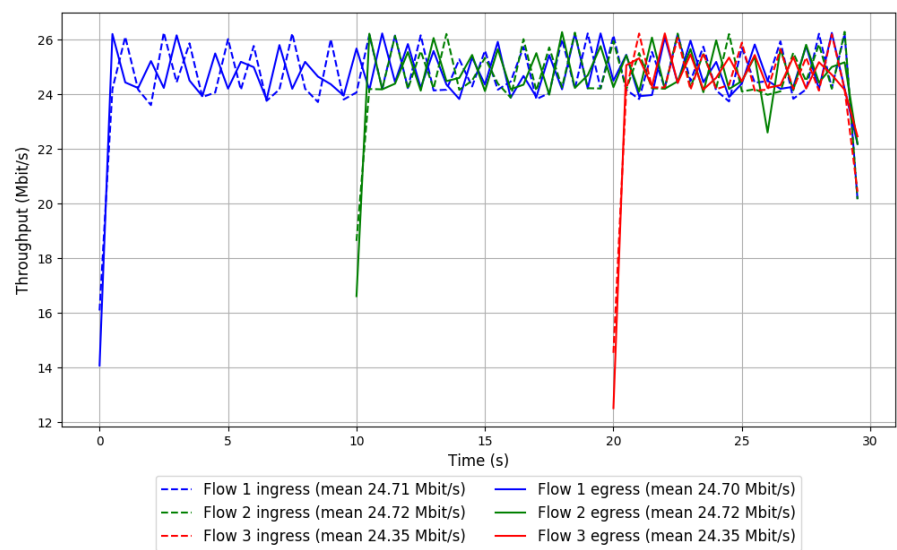


Run 2: Statistics of Sprout

Start at: 2018-04-17 18:18:50
End at: 2018-04-17 18:19:20
Local clock offset: -0.168 ms
Remote clock offset: -5.029 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 22.396 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.549 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 22.176 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 22.352 ms
Loss rate: 0.01%
```

Run 2: Report of Sprout — Data Link

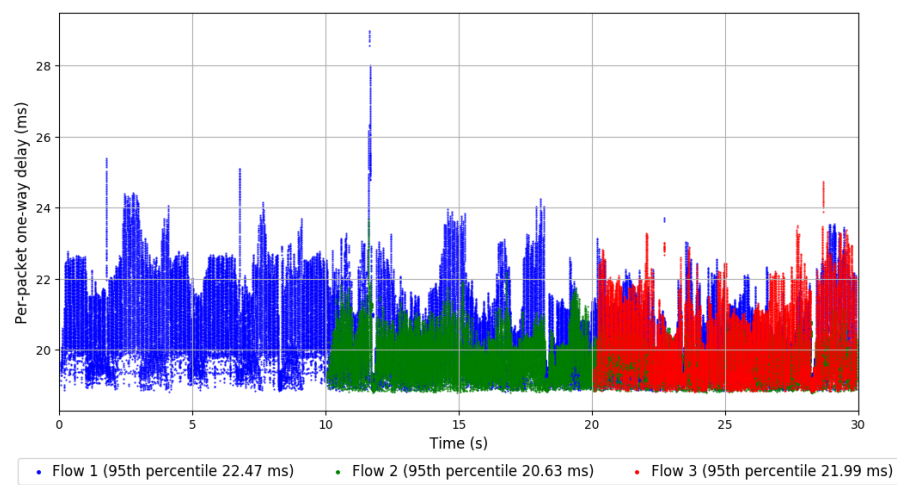
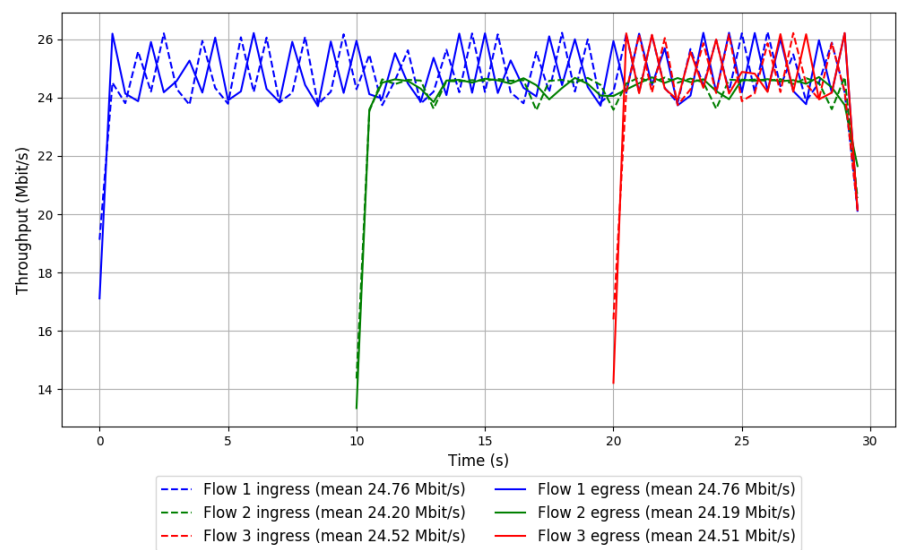


Run 3: Statistics of Sprout

Start at: 2018-04-17 18:45:27
End at: 2018-04-17 18:45:57
Local clock offset: 0.008 ms
Remote clock offset: -5.858 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 22.137 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.469 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 20.632 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.987 ms
Loss rate: 0.04%
```

Run 3: Report of Sprout — Data Link

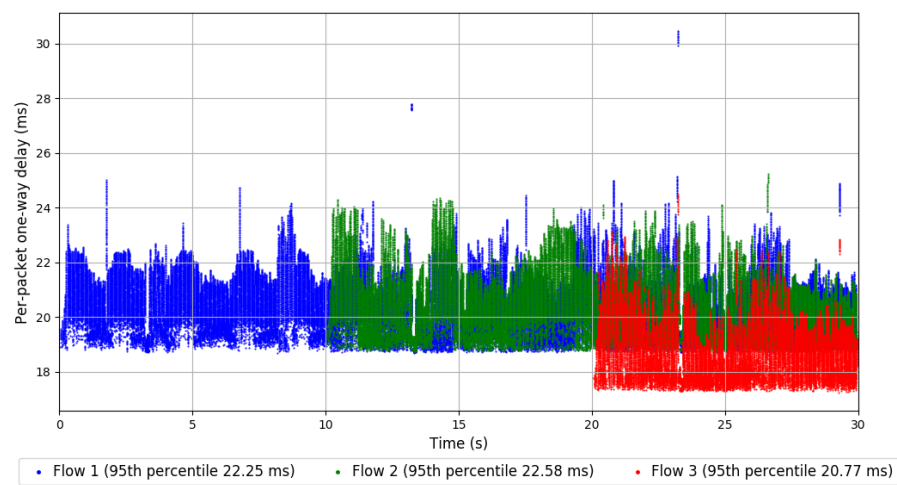
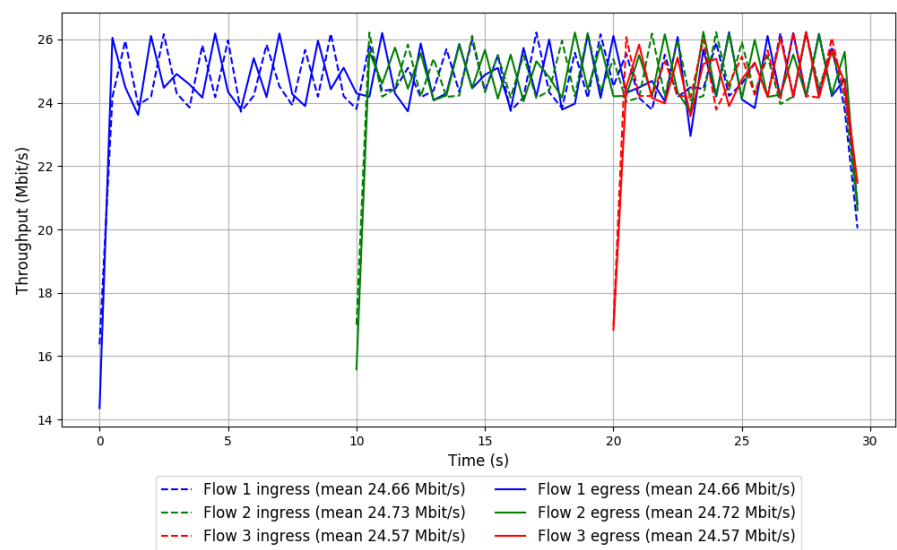


Run 4: Statistics of Sprout

Start at: 2018-04-17 19:12:12
End at: 2018-04-17 19:12:42
Local clock offset: -0.004 ms
Remote clock offset: -6.695 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 22.263 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 22.577 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 20.775 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

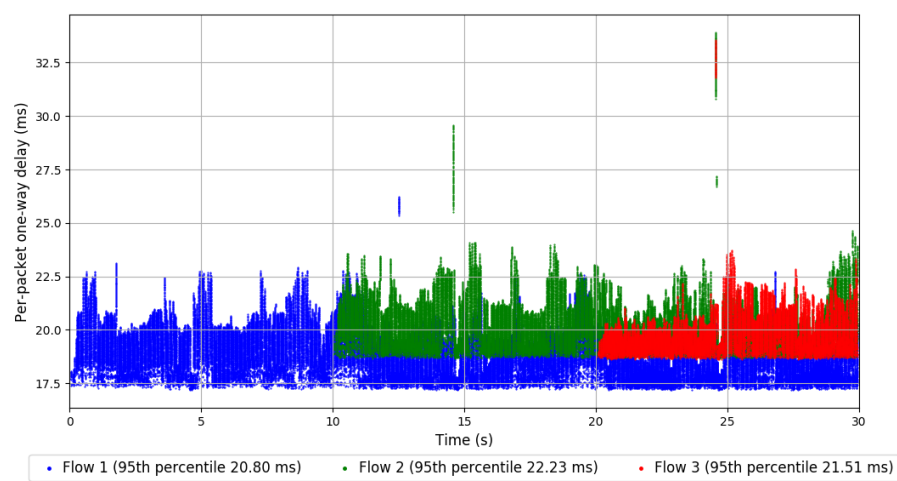
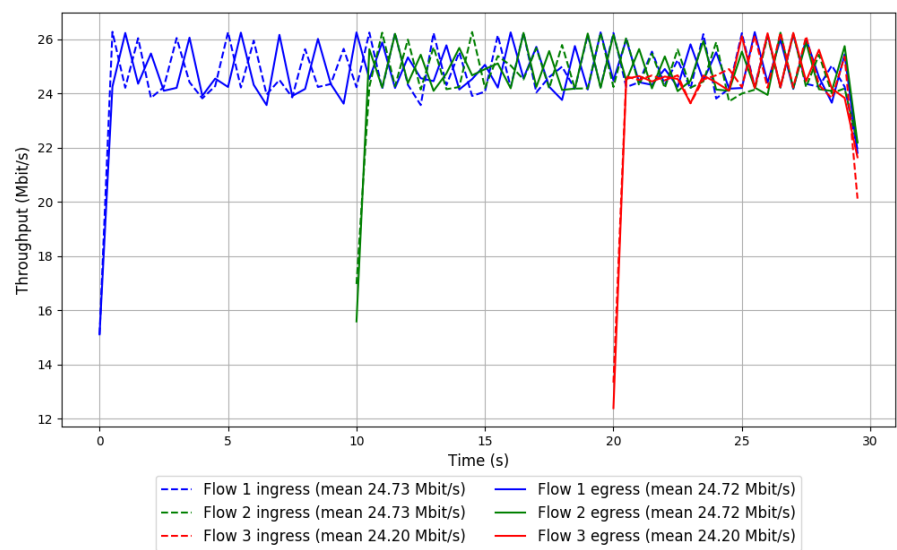


Run 5: Statistics of Sprout

Start at: 2018-04-17 19:38:40
End at: 2018-04-17 19:39:10
Local clock offset: 0.084 ms
Remote clock offset: -6.587 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 21.626 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.795 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 22.228 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 21.506 ms
Loss rate: 0.01%
```

Run 5: Report of Sprout — Data Link

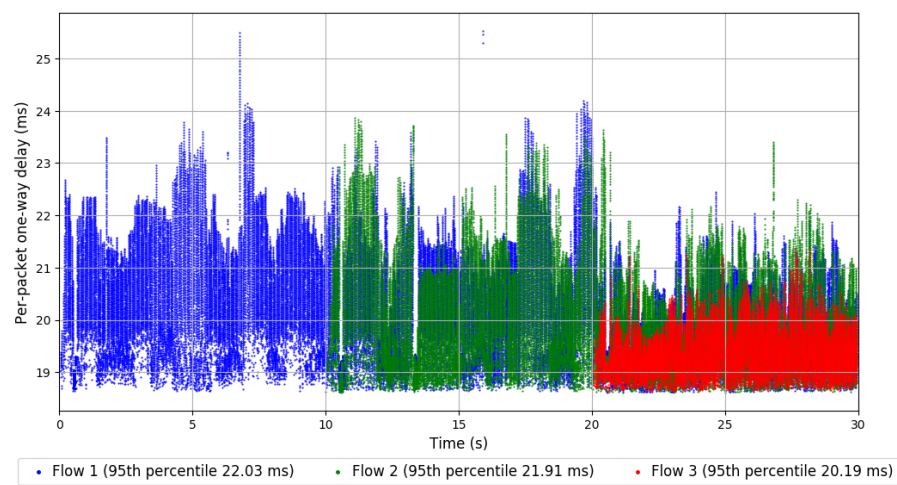
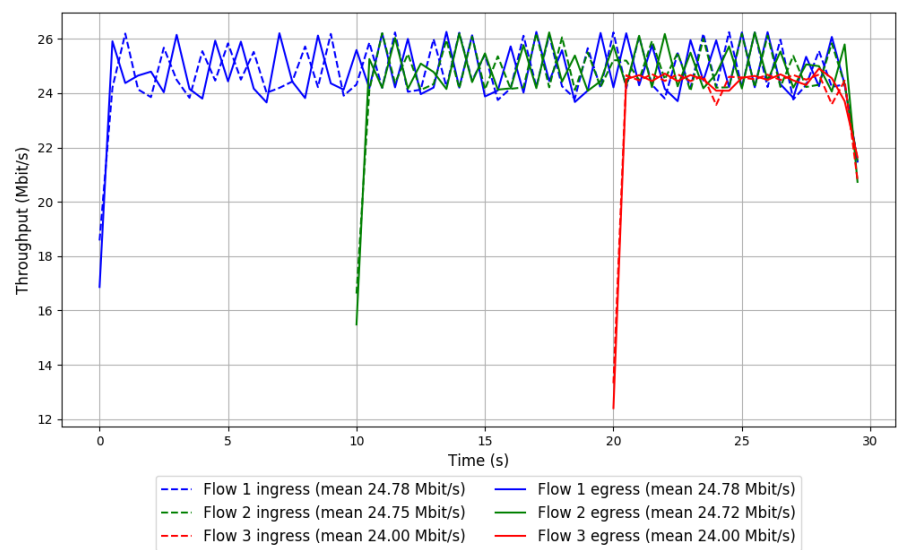


Run 6: Statistics of Sprout

Start at: 2018-04-17 20:05:14
End at: 2018-04-17 20:05:44
Local clock offset: 0.123 ms
Remote clock offset: -6.418 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 21.871 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.030 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.906 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 20.188 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

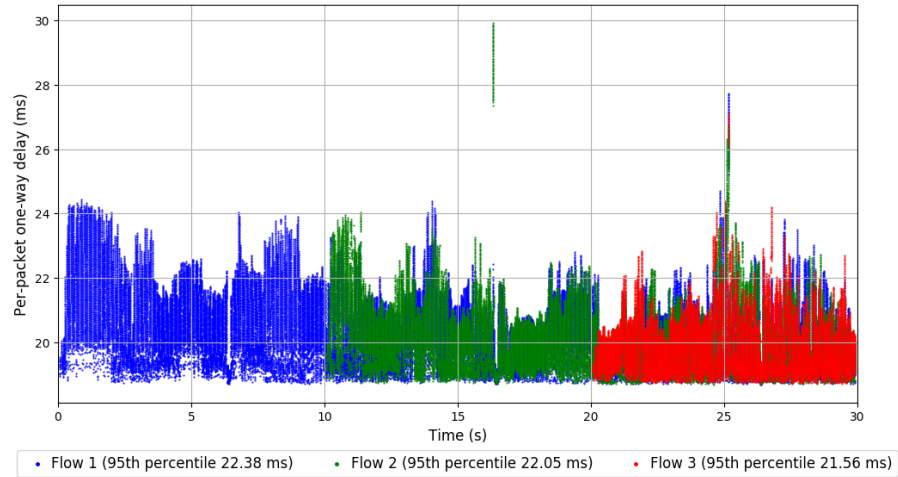
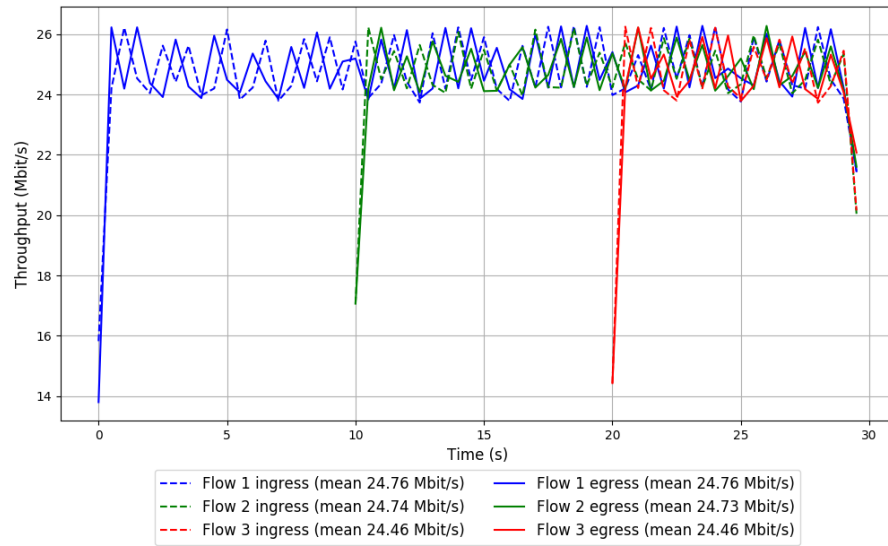


Run 7: Statistics of Sprout

Start at: 2018-04-17 20:31:57
End at: 2018-04-17 20:32:27
Local clock offset: 0.091 ms
Remote clock offset: -5.567 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 22.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 22.045 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 21.560 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

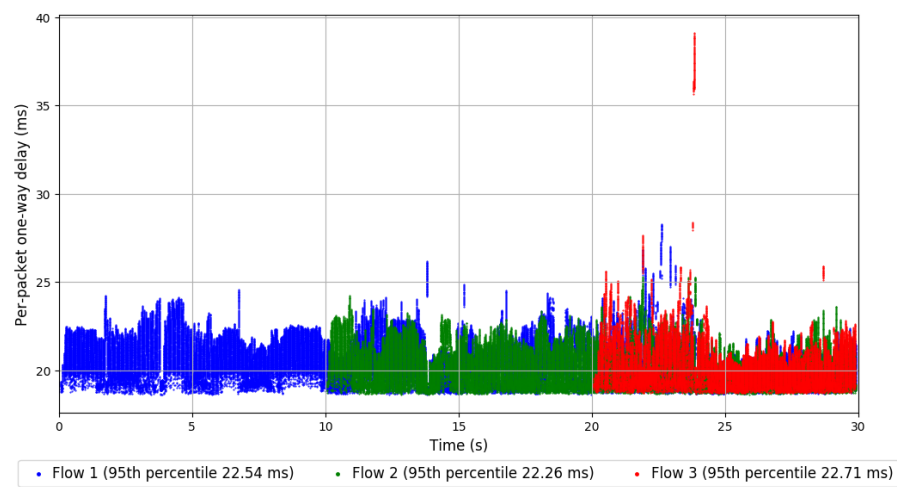
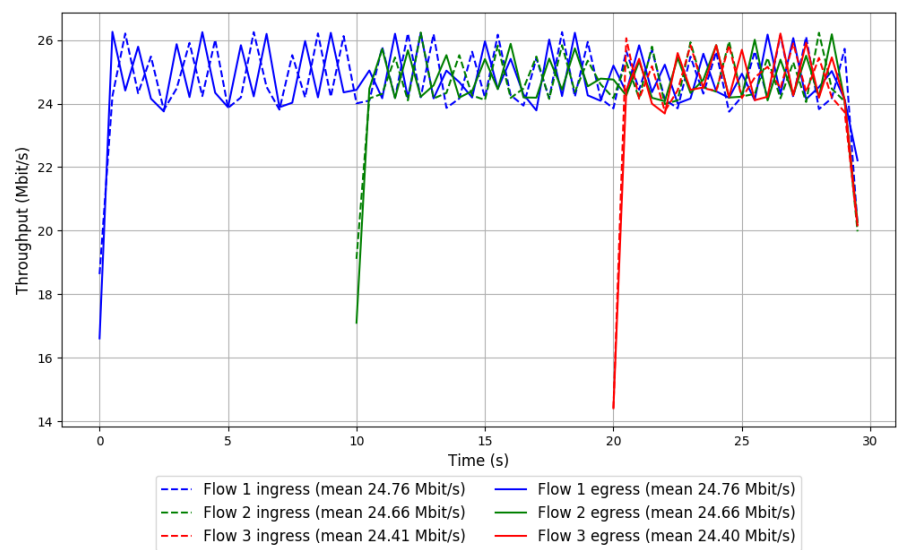


Run 8: Statistics of Sprout

Start at: 2018-04-17 20:58:30
End at: 2018-04-17 20:59:00
Local clock offset: 0.316 ms
Remote clock offset: -5.654 ms

```
# Below is generated by plot.py at 2018-04-18 01:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 22.455 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.262 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 22.706 ms
Loss rate: 0.03%
```

Run 8: Report of Sprout — Data Link

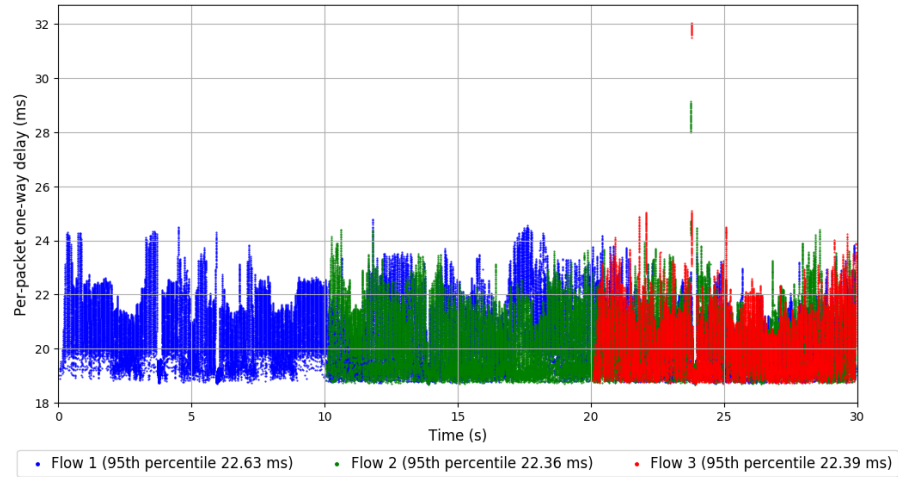
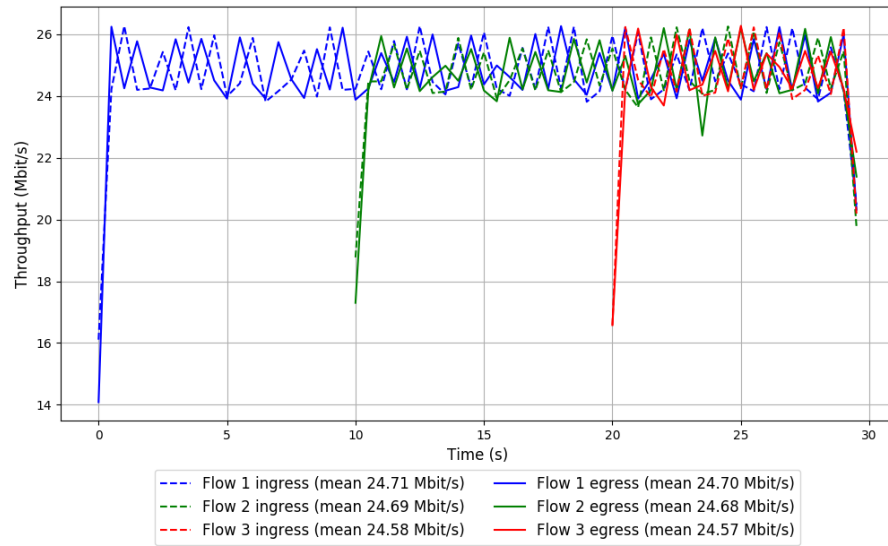


Run 9: Statistics of Sprout

Start at: 2018-04-17 21:25:09
End at: 2018-04-17 21:25:39
Local clock offset: 0.343 ms
Remote clock offset: -6.534 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 22.508 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.632 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.363 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 22.395 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

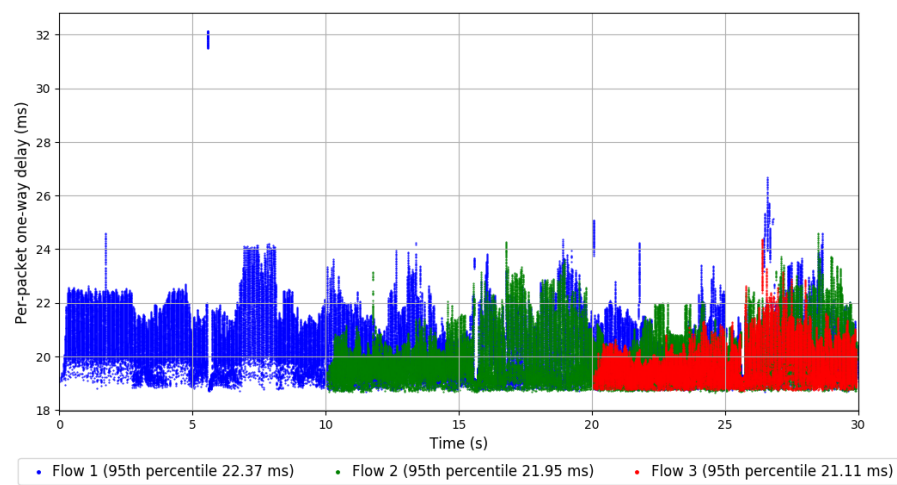
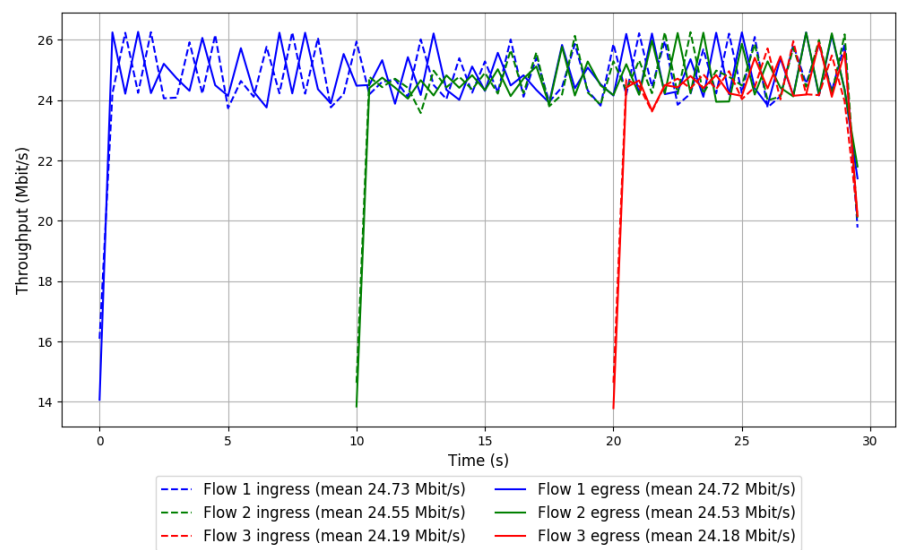


Run 10: Statistics of Sprout

Start at: 2018-04-17 21:51:37
End at: 2018-04-17 21:52:07
Local clock offset: 0.497 ms
Remote clock offset: -5.394 ms

Below is generated by plot.py at 2018-04-18 01:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 22.137 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 22.368 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 21.952 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.02%

Run 10: Report of Sprout — Data Link

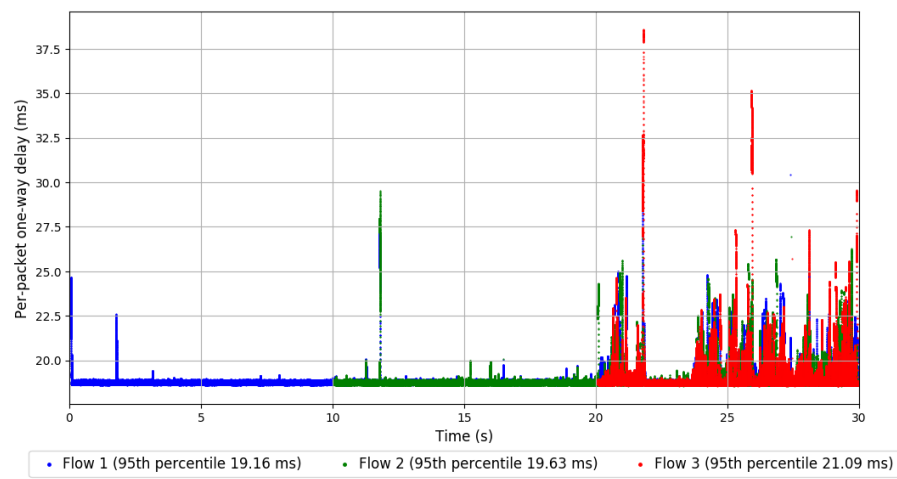
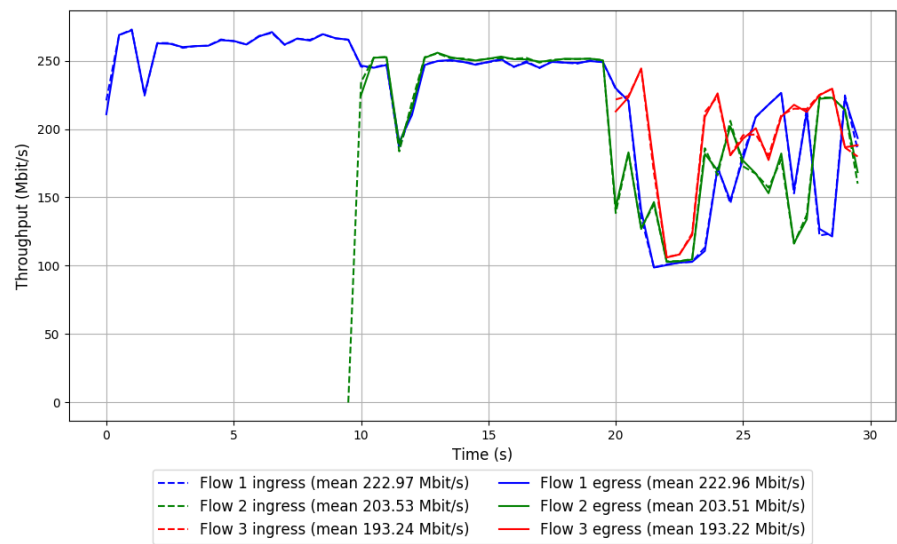



```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 17:45:55
End at: 2018-04-17 17:46:25
Local clock offset: -0.012 ms
Remote clock offset: -5.122 ms

# Below is generated by plot.py at 2018-04-18 01:18:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.72 Mbit/s
95th percentile per-packet one-way delay: 19.720 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 222.96 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 203.51 Mbit/s
95th percentile per-packet one-way delay: 19.633 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 193.22 Mbit/s
95th percentile per-packet one-way delay: 21.094 ms
Loss rate: 0.01%
```

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

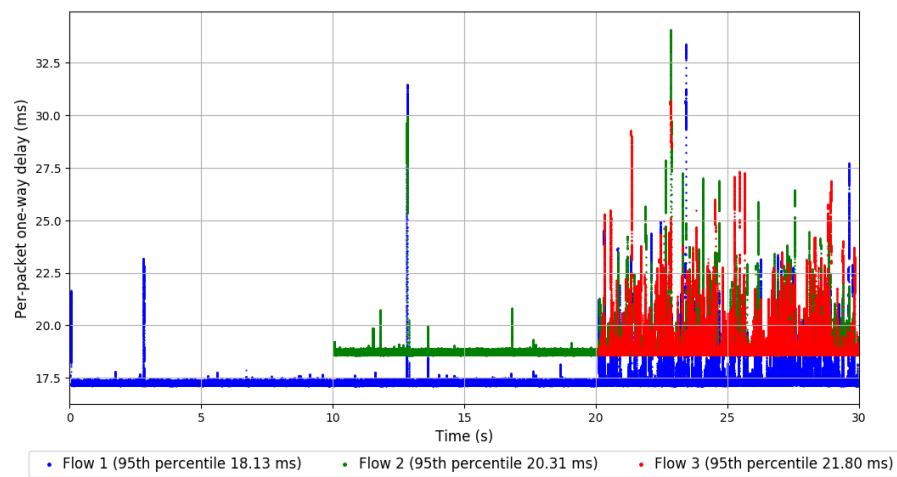
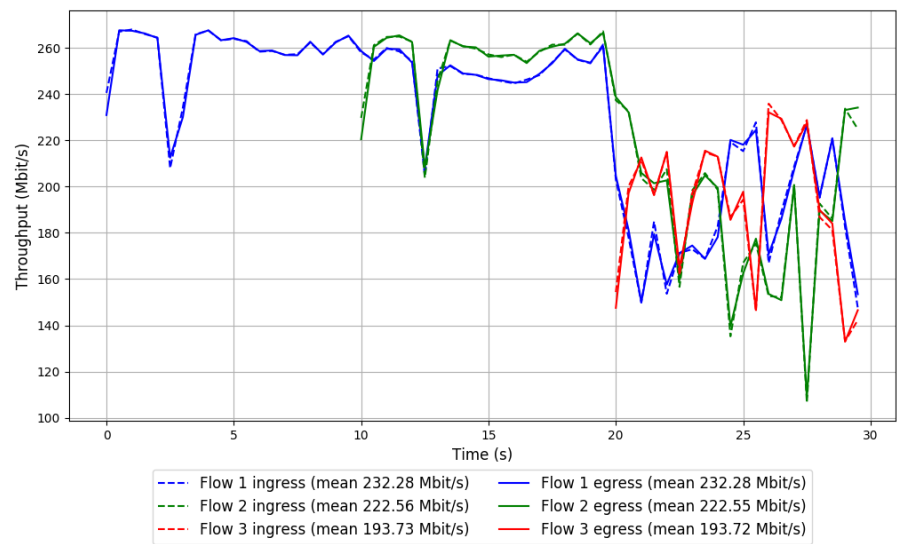


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 18:12:33
End at: 2018-04-17 18:13:03
Local clock offset: -0.021 ms
Remote clock offset: -5.067 ms

Below is generated by plot.py at 2018-04-18 01:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 444.64 Mbit/s
95th percentile per-packet one-way delay: 20.049 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.28 Mbit/s
95th percentile per-packet one-way delay: 18.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.55 Mbit/s
95th percentile per-packet one-way delay: 20.307 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 193.72 Mbit/s
95th percentile per-packet one-way delay: 21.795 ms
Loss rate: 0.01%

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

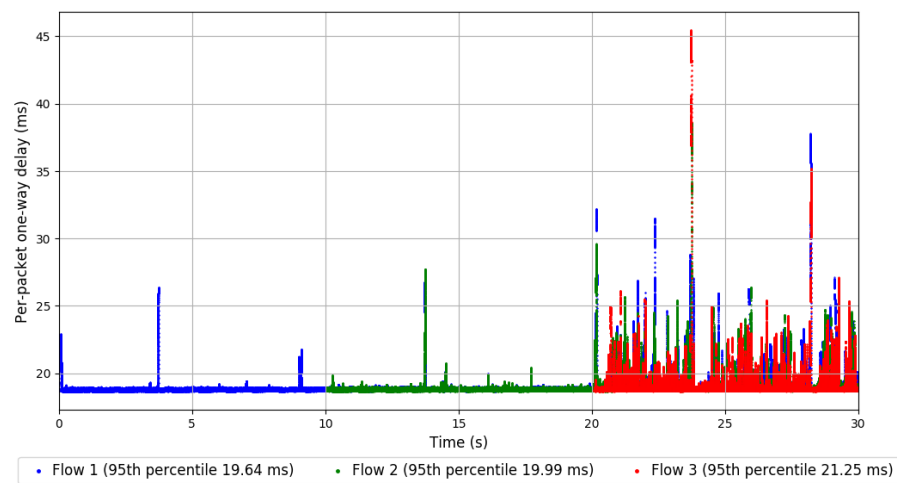
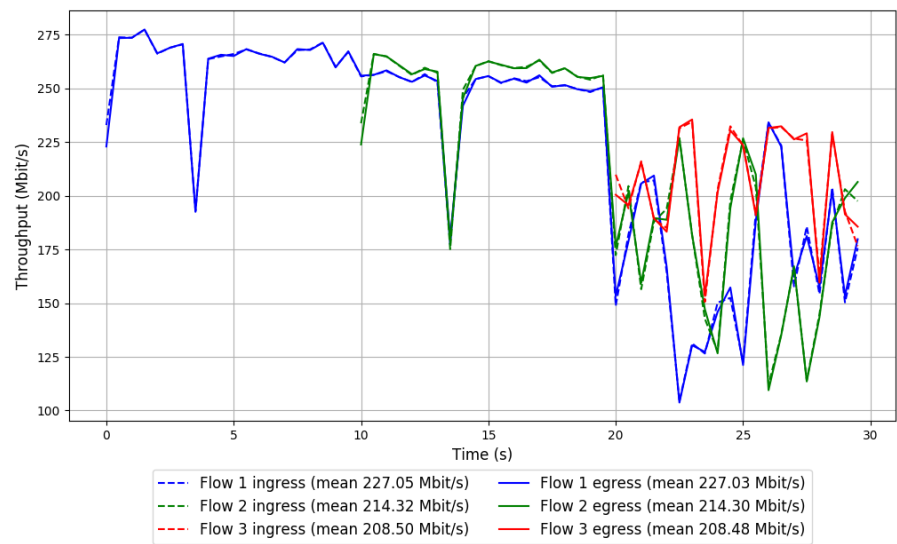


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 18:39:12
End at: 2018-04-17 18:39:42
Local clock offset: 0.069 ms
Remote clock offset: -5.299 ms

Below is generated by plot.py at 2018-04-18 01:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.78 Mbit/s
95th percentile per-packet one-way delay: 20.189 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.03 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 214.30 Mbit/s
95th percentile per-packet one-way delay: 19.991 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 208.48 Mbit/s
95th percentile per-packet one-way delay: 21.250 ms
Loss rate: 0.01%

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

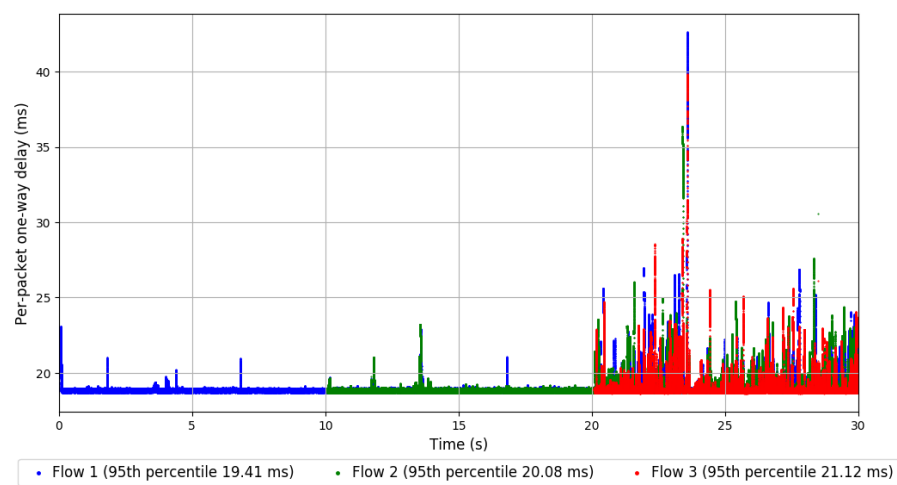
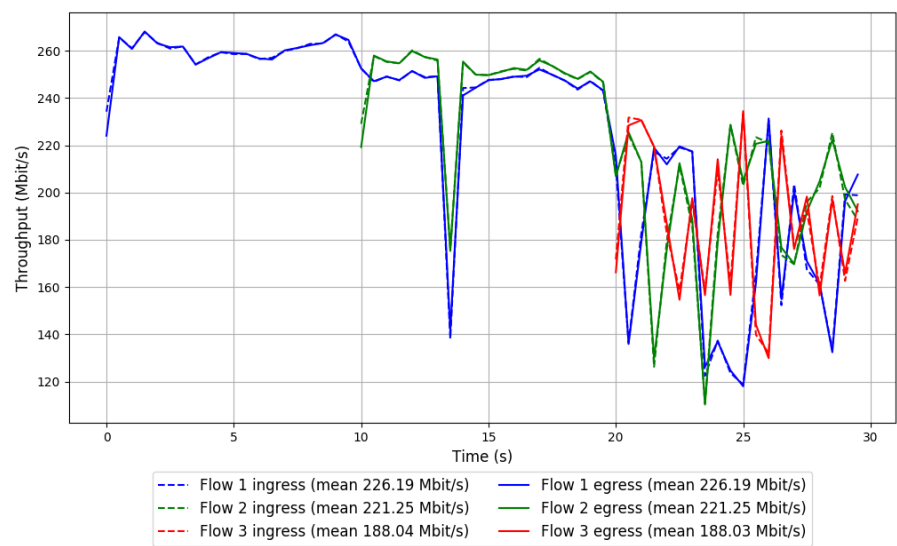


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 19:05:52
End at: 2018-04-17 19:06:22
Local clock offset: 0.041 ms
Remote clock offset: -6.641 ms

Below is generated by plot.py at 2018-04-18 01:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.79 Mbit/s
95th percentile per-packet one-way delay: 19.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.19 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.25 Mbit/s
95th percentile per-packet one-way delay: 20.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.03 Mbit/s
95th percentile per-packet one-way delay: 21.120 ms
Loss rate: 0.00%

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

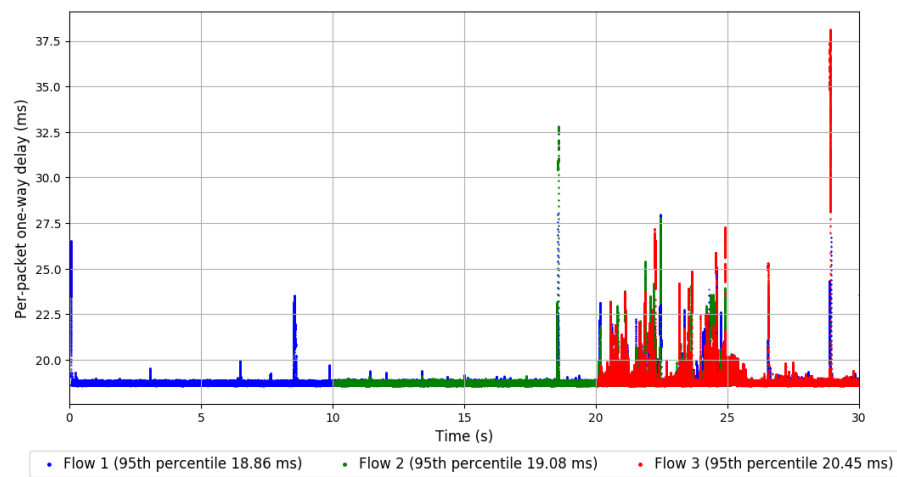
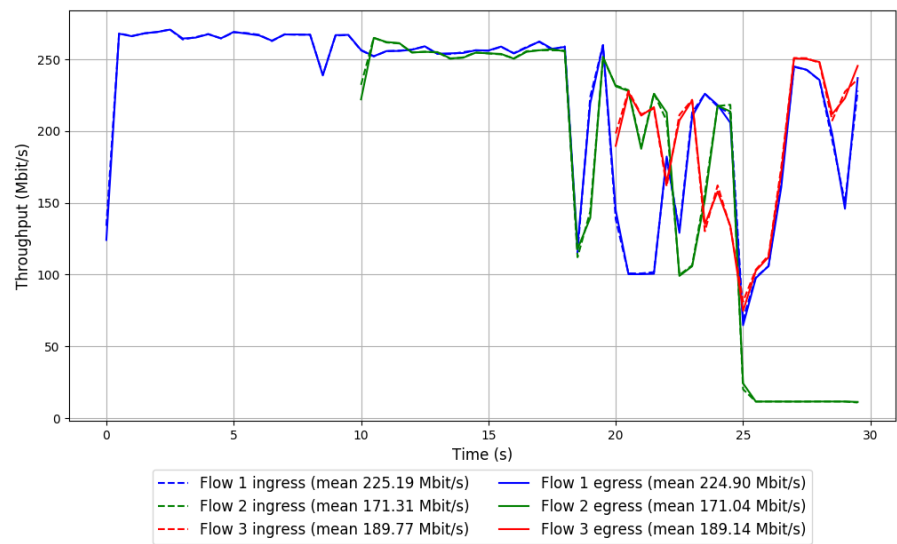


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 19:32:26
End at: 2018-04-17 19:32:56
Local clock offset: 0.071 ms
Remote clock offset: -6.566 ms

Below is generated by plot.py at 2018-04-18 01:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.42 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 224.90 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 171.04 Mbit/s
95th percentile per-packet one-way delay: 19.082 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 189.14 Mbit/s
95th percentile per-packet one-way delay: 20.453 ms
Loss rate: 0.33%

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

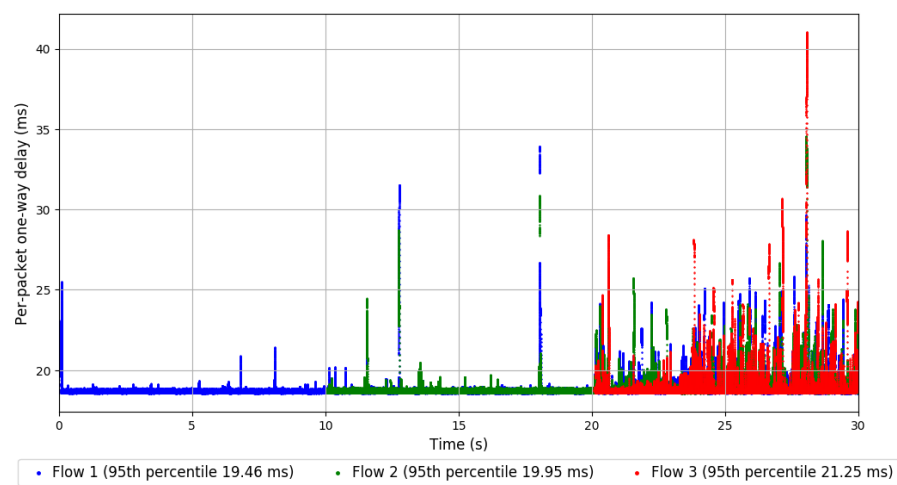
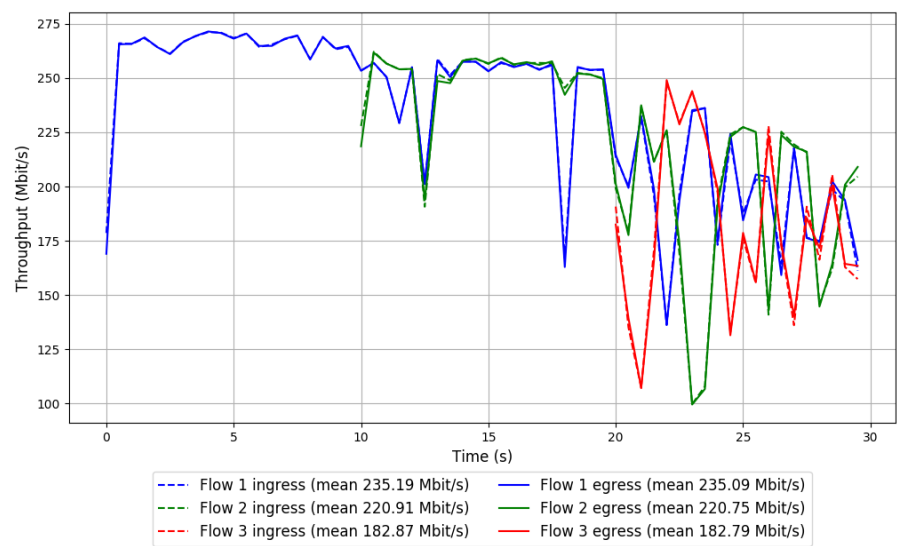


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 19:58:56
End at: 2018-04-17 19:59:26
Local clock offset: 0.132 ms
Remote clock offset: -6.479 ms

Below is generated by plot.py at 2018-04-18 01:19:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.65 Mbit/s
95th percentile per-packet one-way delay: 19.978 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 235.09 Mbit/s
95th percentile per-packet one-way delay: 19.458 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 220.75 Mbit/s
95th percentile per-packet one-way delay: 19.953 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 182.79 Mbit/s
95th percentile per-packet one-way delay: 21.252 ms
Loss rate: 0.04%

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

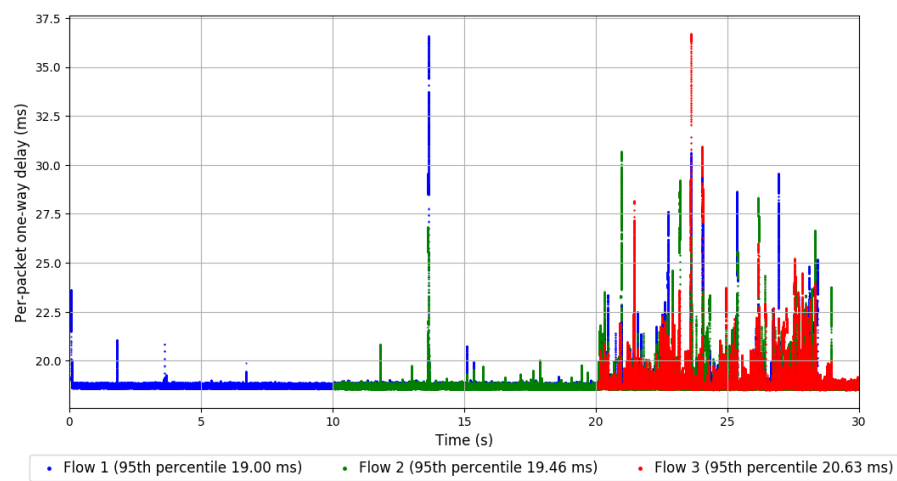
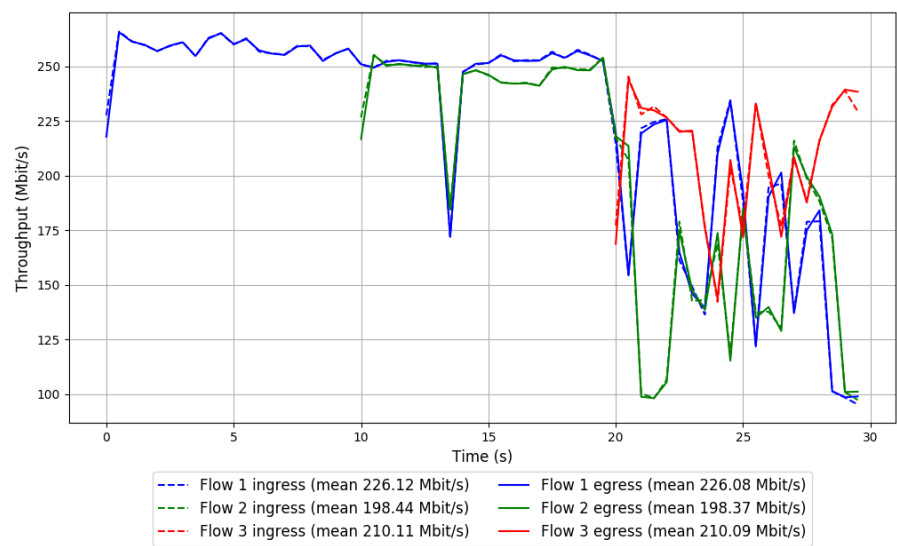


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 20:25:40
End at: 2018-04-17 20:26:10
Local clock offset: 0.178 ms
Remote clock offset: -5.919 ms

Below is generated by plot.py at 2018-04-18 01:23:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.79 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 226.08 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 198.37 Mbit/s
95th percentile per-packet one-way delay: 19.459 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 210.09 Mbit/s
95th percentile per-packet one-way delay: 20.628 ms
Loss rate: 0.01%

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

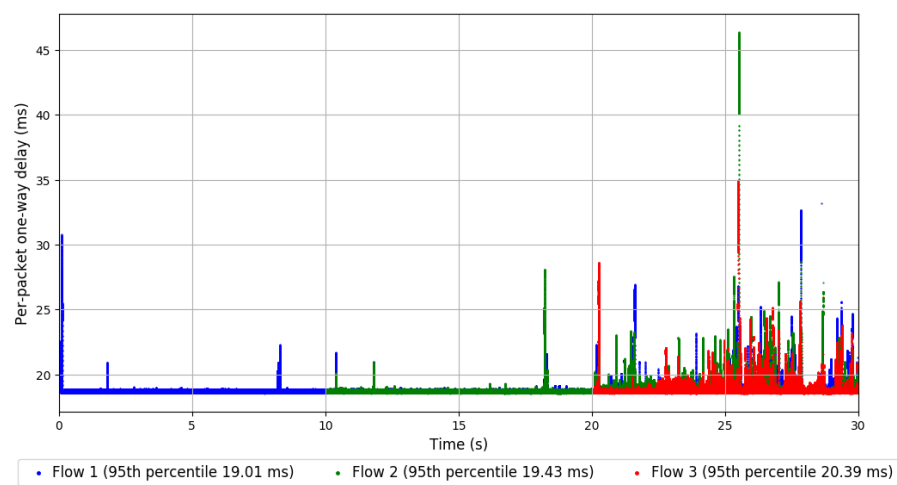
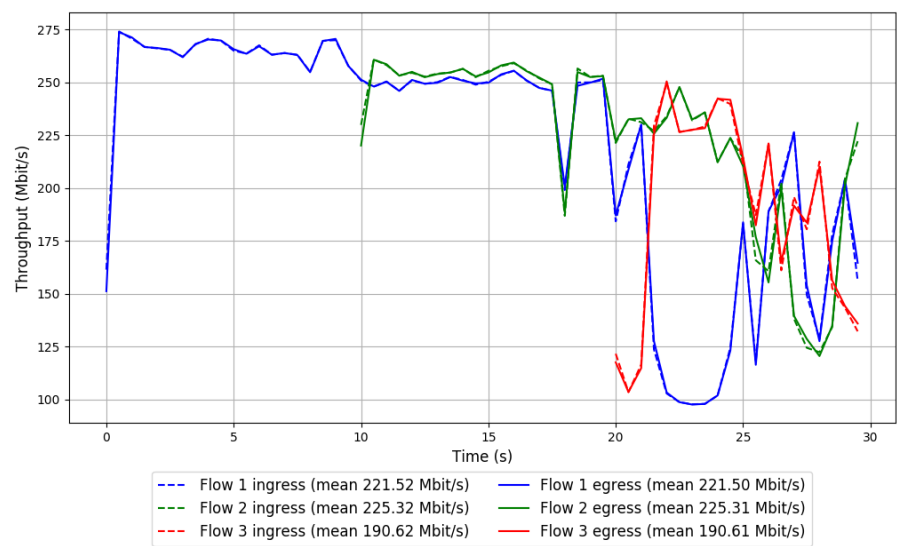


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 20:52:15
End at: 2018-04-17 20:52:45
Local clock offset: 0.271 ms
Remote clock offset: -5.203 ms

Below is generated by plot.py at 2018-04-18 01:25:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.67 Mbit/s
95th percentile per-packet one-way delay: 19.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.50 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 225.31 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 190.61 Mbit/s
95th percentile per-packet one-way delay: 20.393 ms
Loss rate: 0.00%

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

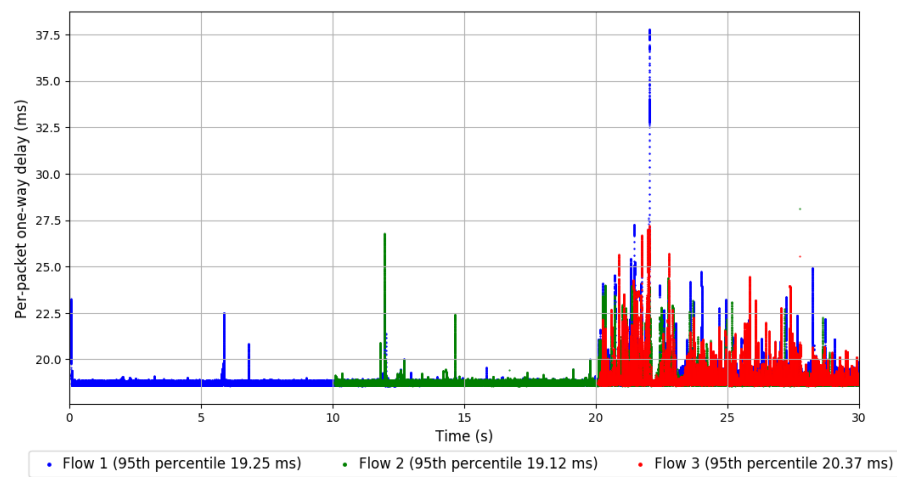
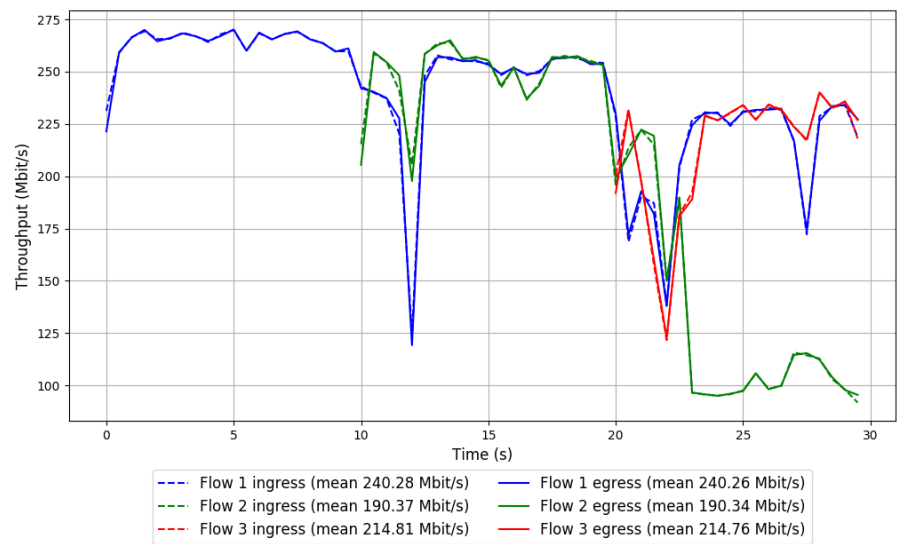


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 21:18:51
End at: 2018-04-17 21:19:21
Local clock offset: 0.346 ms
Remote clock offset: -6.452 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.01 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 240.26 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 190.34 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 214.76 Mbit/s
95th percentile per-packet one-way delay: 20.369 ms
Loss rate: 0.02%

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

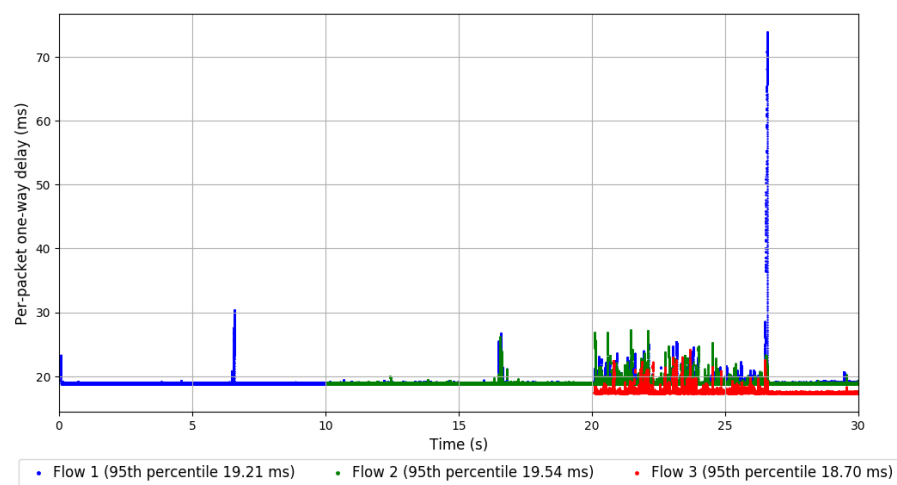
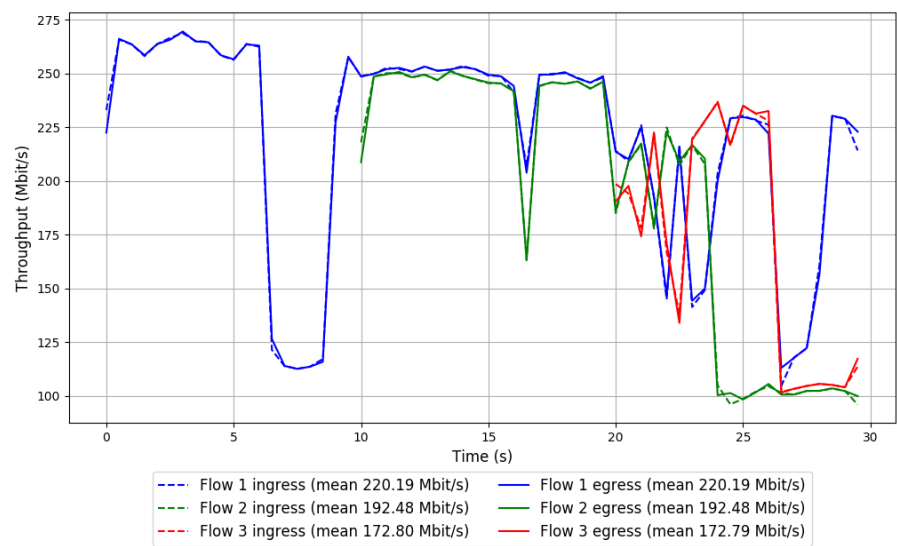


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 21:45:26
End at: 2018-04-17 21:45:56
Local clock offset: 0.485 ms
Remote clock offset: -5.429 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.61 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.19 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.48 Mbit/s
95th percentile per-packet one-way delay: 19.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 172.79 Mbit/s
95th percentile per-packet one-way delay: 18.705 ms
Loss rate: 0.01%

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

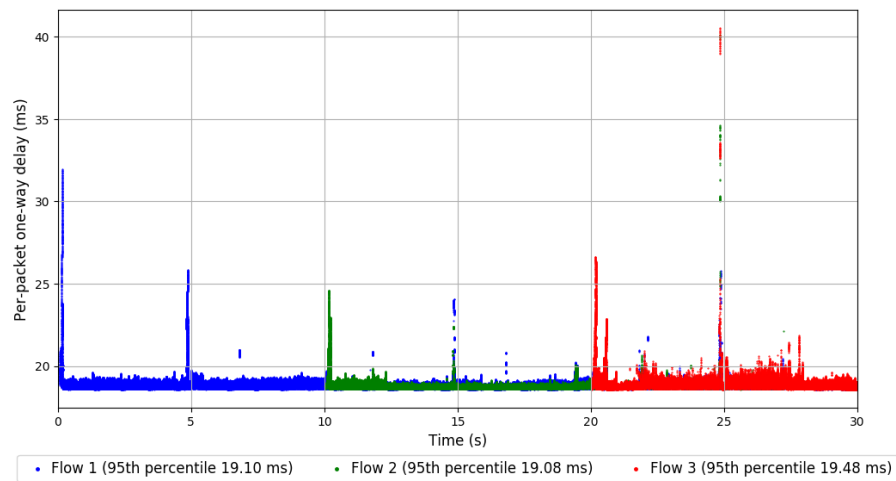
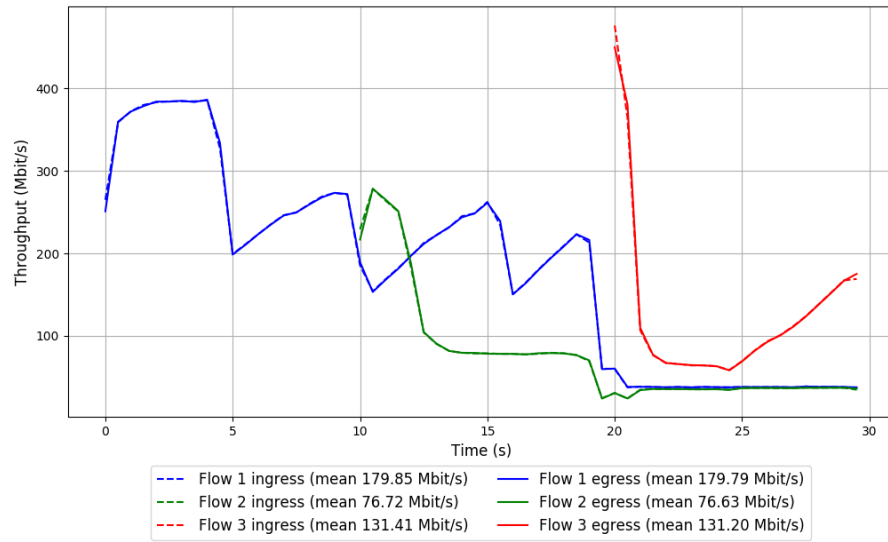


Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 17:53:32
End at: 2018-04-17 17:54:02
Local clock offset: -0.041 ms
Remote clock offset: -4.897 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 274.40 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 179.79 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 131.20 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.16%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 18:20:10

End at: 2018-04-17 18:20:40

Local clock offset: -0.139 ms

Remote clock offset: -5.02 ms

Below is generated by plot.py at 2018-04-18 01:30:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.97 Mbit/s

95th percentile per-packet one-way delay: 19.314 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 172.12 Mbit/s

95th percentile per-packet one-way delay: 19.309 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 107.89 Mbit/s

95th percentile per-packet one-way delay: 19.268 ms

Loss rate: 0.04%

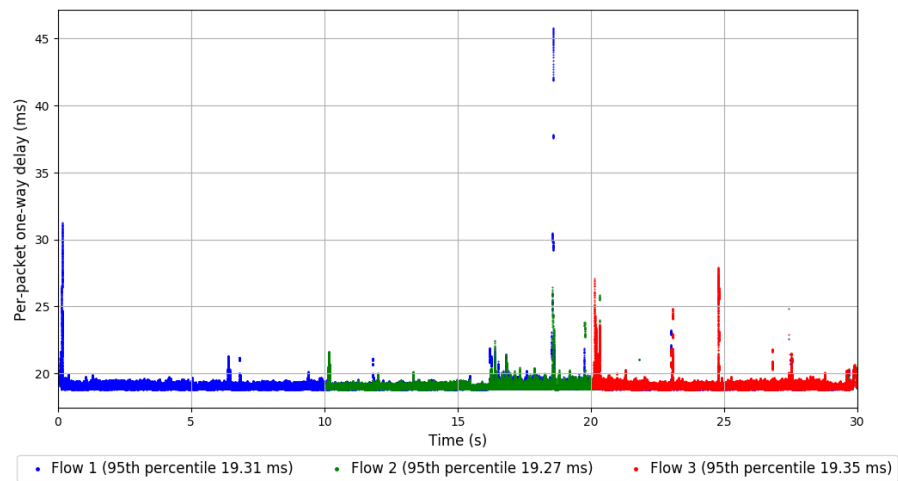
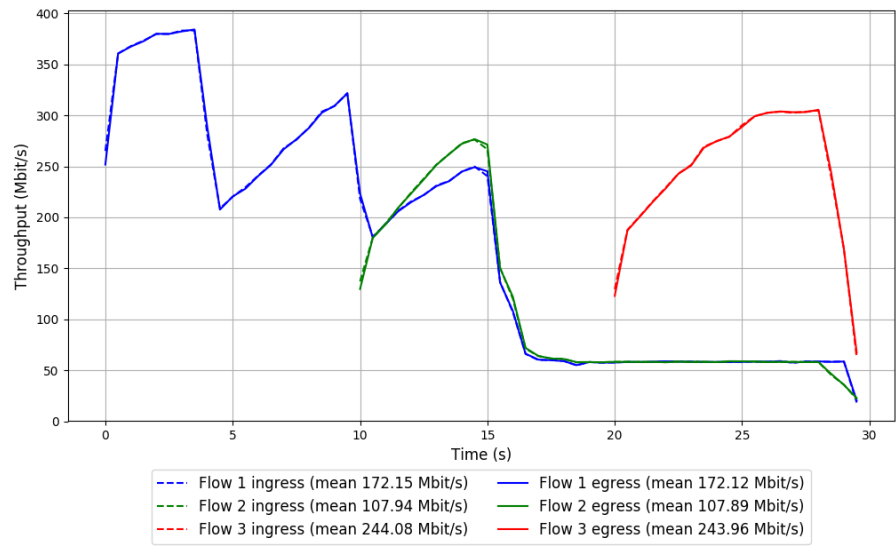
-- Flow 3:

Average throughput: 243.96 Mbit/s

95th percentile per-packet one-way delay: 19.354 ms

Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

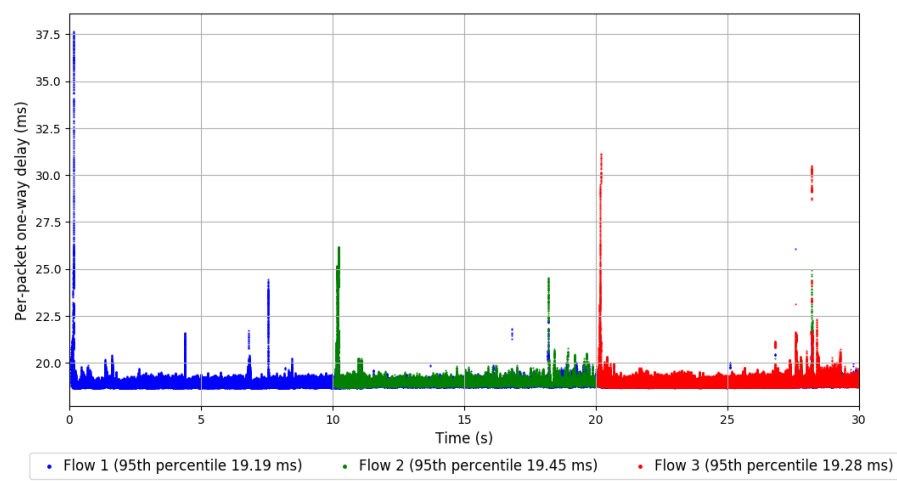
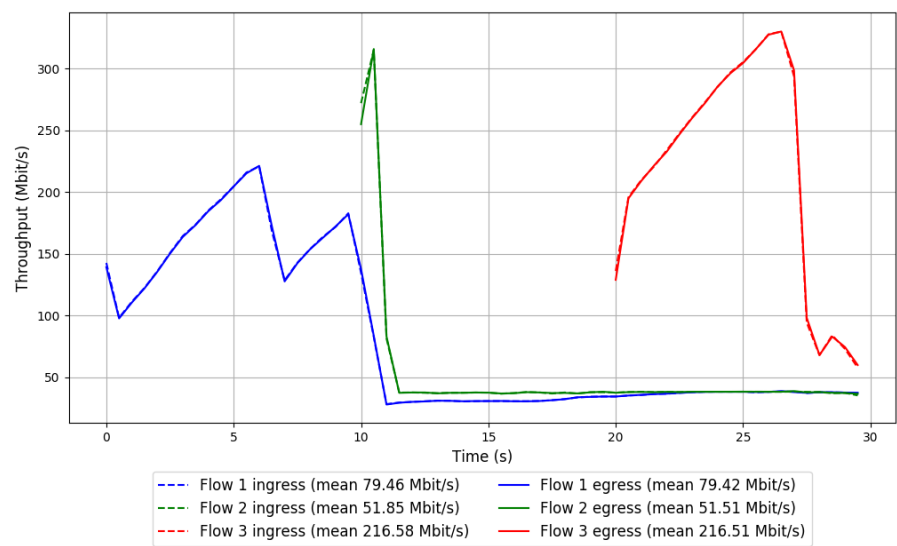


Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 18:46:47
End at: 2018-04-17 18:47:17
Local clock offset: 0.074 ms
Remote clock offset: -5.987 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.59 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 51.51 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 216.51 Mbit/s
95th percentile per-packet one-way delay: 19.279 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

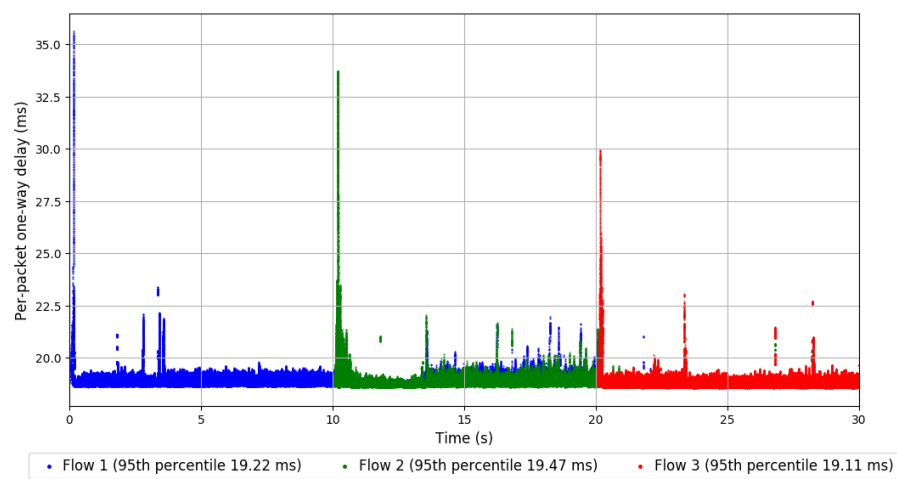
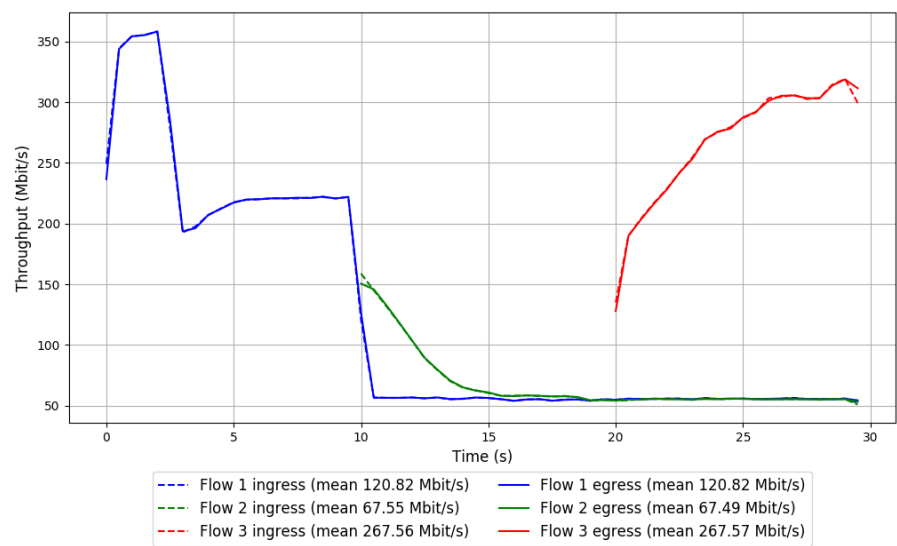


Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 19:13:32
End at: 2018-04-17 19:14:02
Local clock offset: 0.077 ms
Remote clock offset: -6.675 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.66 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 120.82 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.49 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 267.57 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

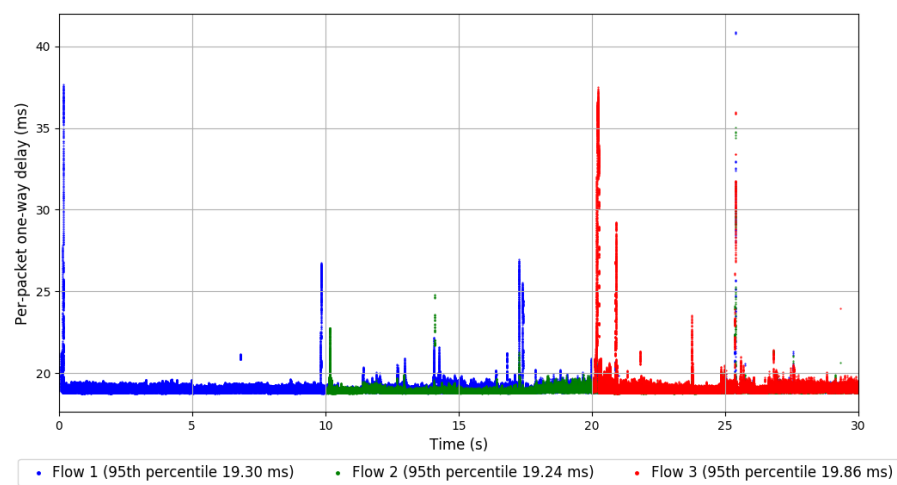
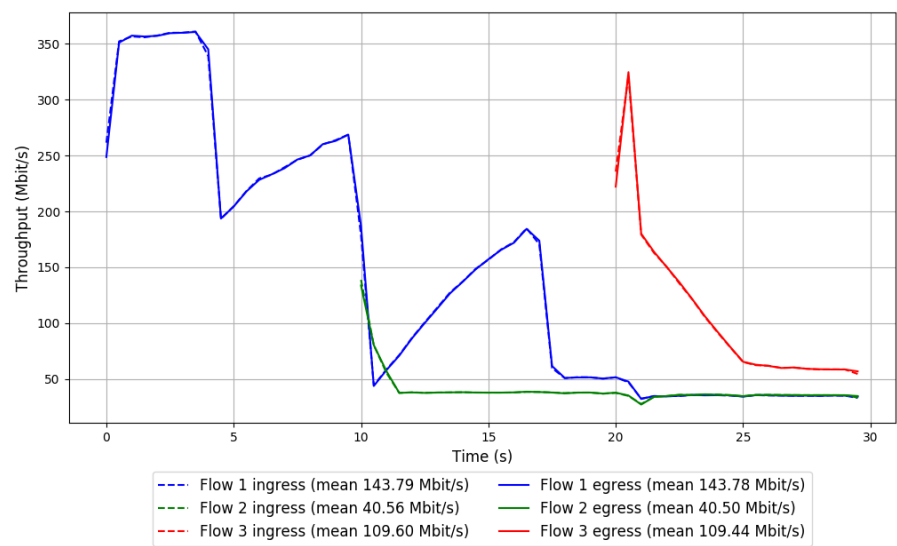


Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 19:40:00
End at: 2018-04-17 19:40:30
Local clock offset: 0.025 ms
Remote clock offset: -6.539 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.10 Mbit/s
95th percentile per-packet one-way delay: 19.342 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 143.78 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 109.44 Mbit/s
95th percentile per-packet one-way delay: 19.861 ms
Loss rate: 0.15%

Run 5: Report of TCP Vegas — Data Link

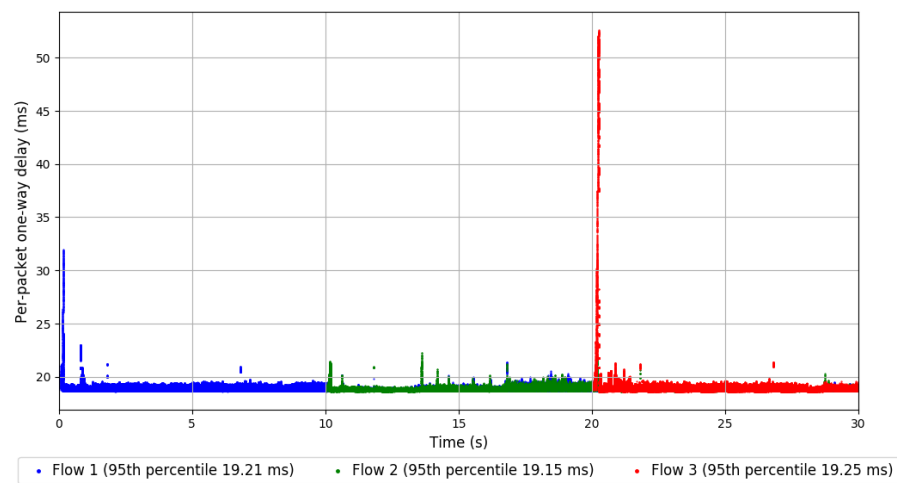
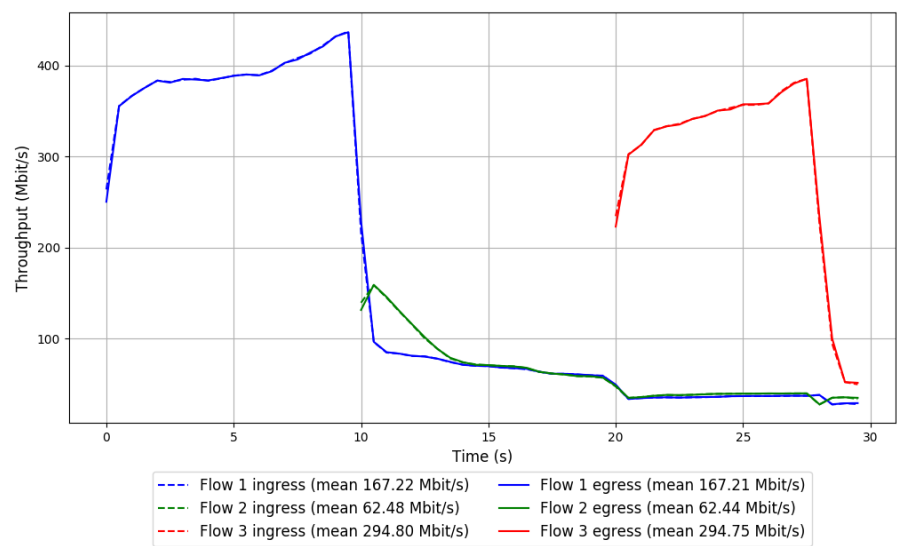


Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 20:06:34
End at: 2018-04-17 20:07:04
Local clock offset: 0.106 ms
Remote clock offset: -6.412 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.66 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 167.21 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 294.75 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link

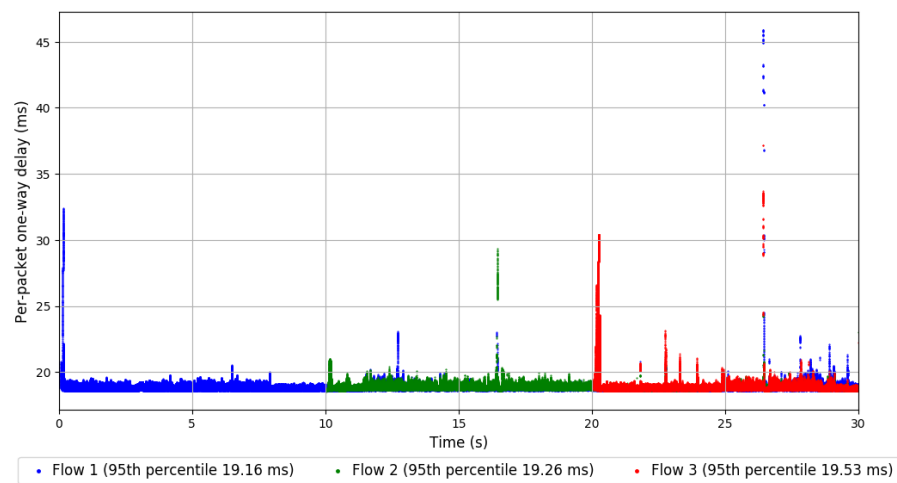
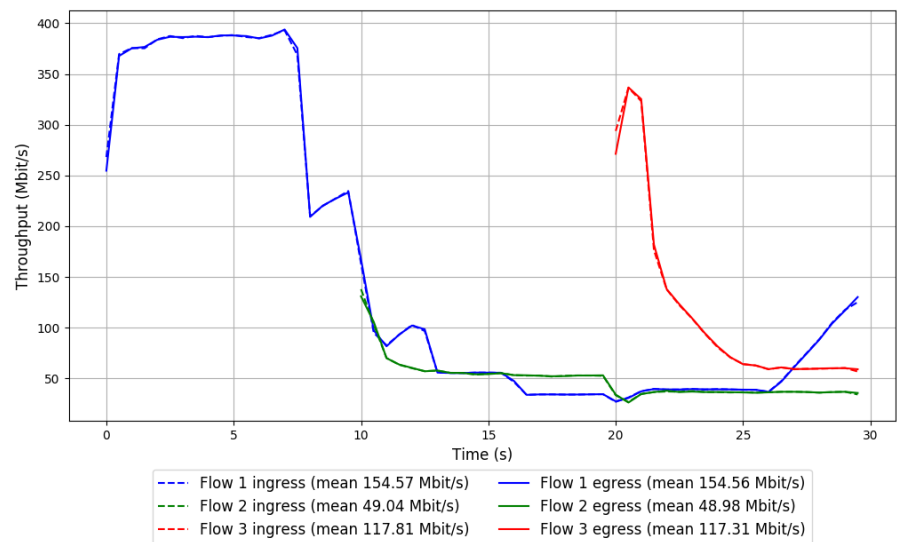


Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 20:33:17
End at: 2018-04-17 20:33:47
Local clock offset: 0.206 ms
Remote clock offset: -5.501 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.12 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 154.56 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 117.31 Mbit/s
95th percentile per-packet one-way delay: 19.528 ms
Loss rate: 0.39%

Run 7: Report of TCP Vegas — Data Link

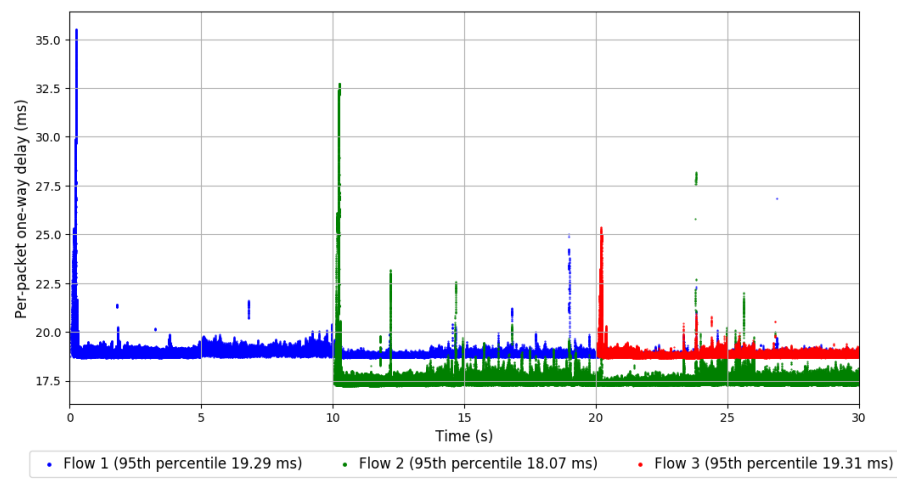
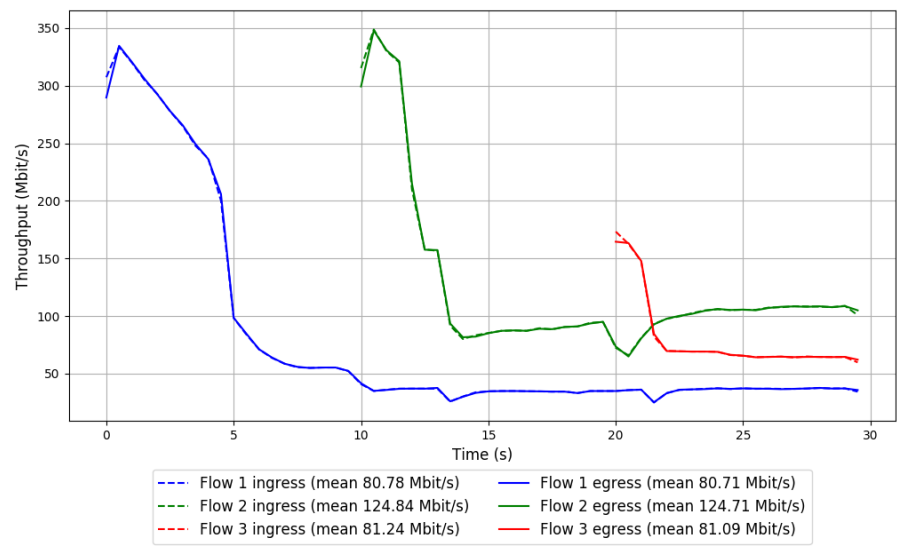


Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 20:59:50
End at: 2018-04-17 21:00:20
Local clock offset: 0.271 ms
Remote clock offset: -5.784 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.73 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 124.71 Mbit/s
95th percentile per-packet one-way delay: 18.074 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.18%

Run 8: Report of TCP Vegas — Data Link

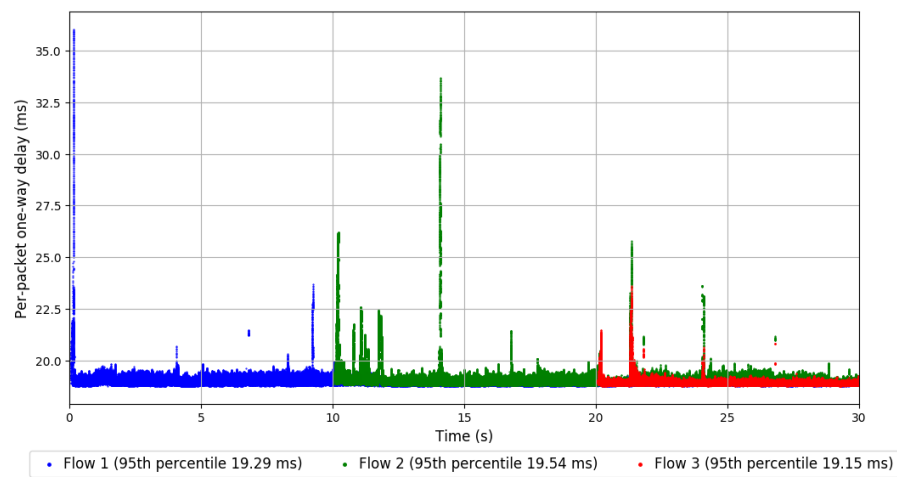
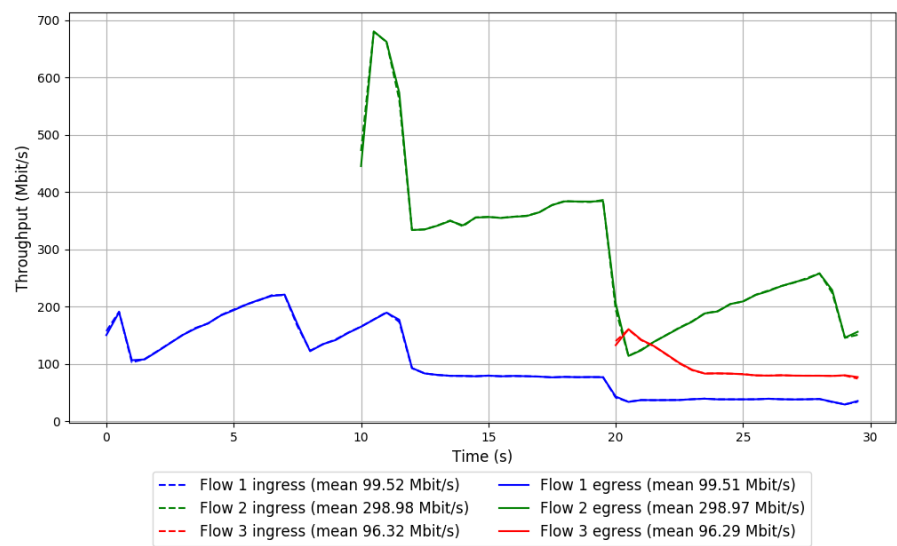


Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 21:26:29
End at: 2018-04-17 21:26:59
Local clock offset: 0.332 ms
Remote clock offset: -6.478 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.59 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.51 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 298.97 Mbit/s
95th percentile per-packet one-way delay: 19.537 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.03%

Run 9: Report of TCP Vegas — Data Link

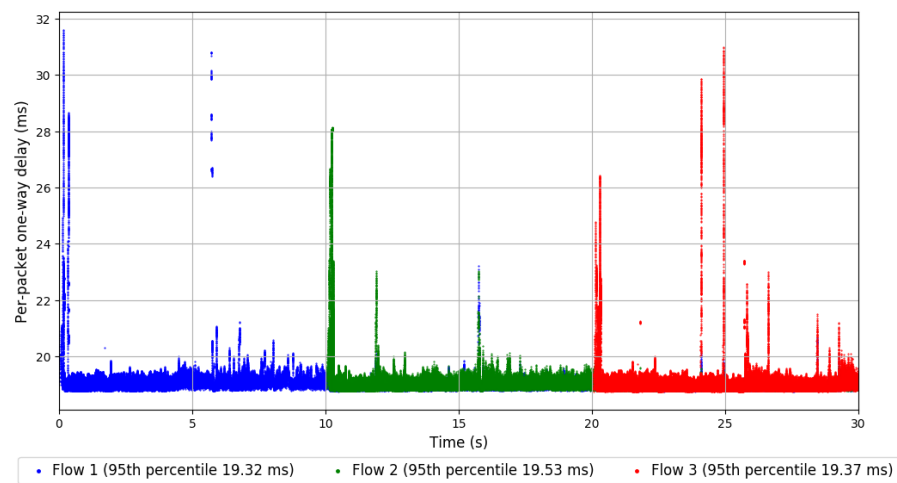
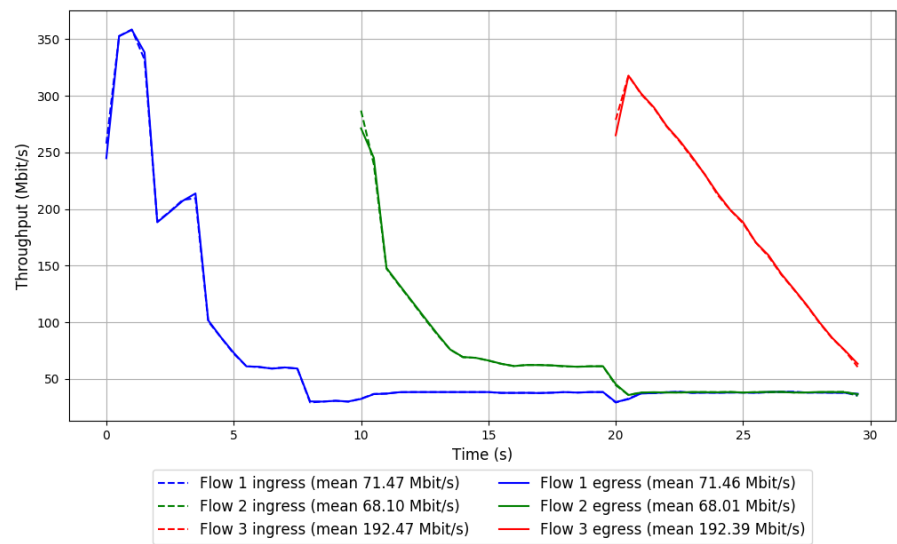


Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 21:52:57
End at: 2018-04-17 21:53:27
Local clock offset: 0.511 ms
Remote clock offset: -5.273 ms

Below is generated by plot.py at 2018-04-18 01:30:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.62 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 68.01 Mbit/s
95th percentile per-packet one-way delay: 19.531 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 192.39 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.04%

Run 10: Report of TCP Vegas — Data Link

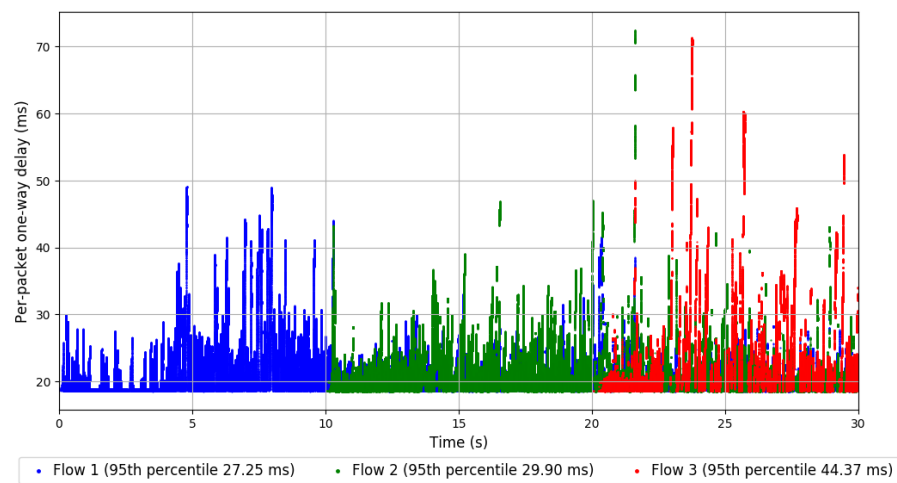
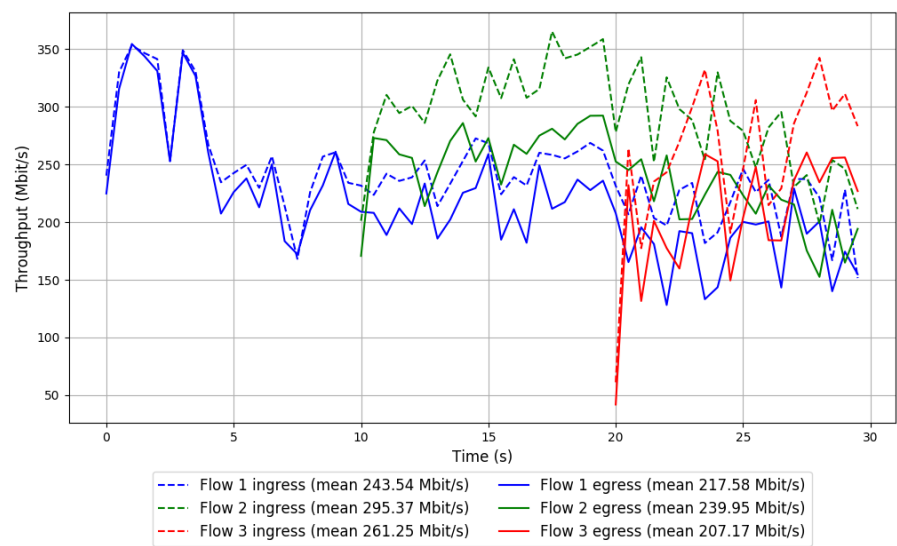


Run 1: Statistics of Verus

Start at: 2018-04-17 17:34:56
End at: 2018-04-17 17:35:26
Local clock offset: -0.02 ms
Remote clock offset: -5.732 ms

Below is generated by plot.py at 2018-04-18 01:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.86 Mbit/s
95th percentile per-packet one-way delay: 31.751 ms
Loss rate: 15.33%
-- Flow 1:
Average throughput: 217.58 Mbit/s
95th percentile per-packet one-way delay: 27.250 ms
Loss rate: 10.65%
-- Flow 2:
Average throughput: 239.95 Mbit/s
95th percentile per-packet one-way delay: 29.904 ms
Loss rate: 18.76%
-- Flow 3:
Average throughput: 207.17 Mbit/s
95th percentile per-packet one-way delay: 44.370 ms
Loss rate: 20.69%

Run 1: Report of Verus — Data Link

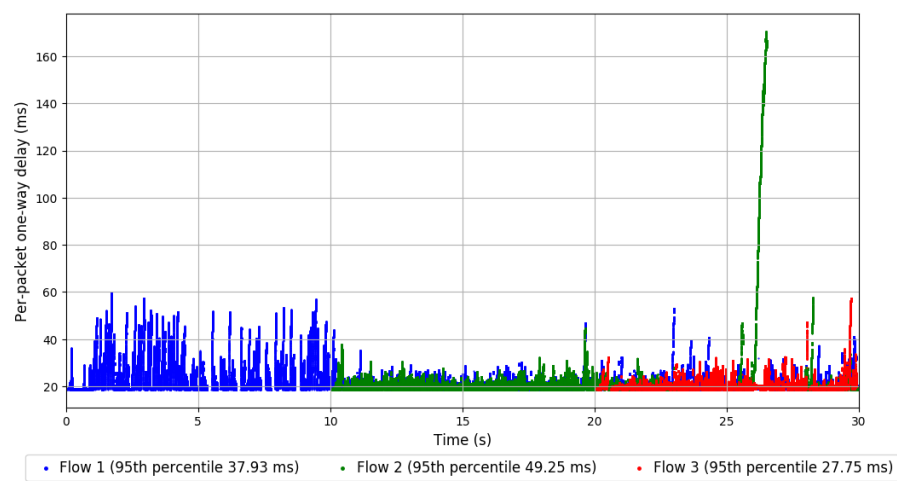
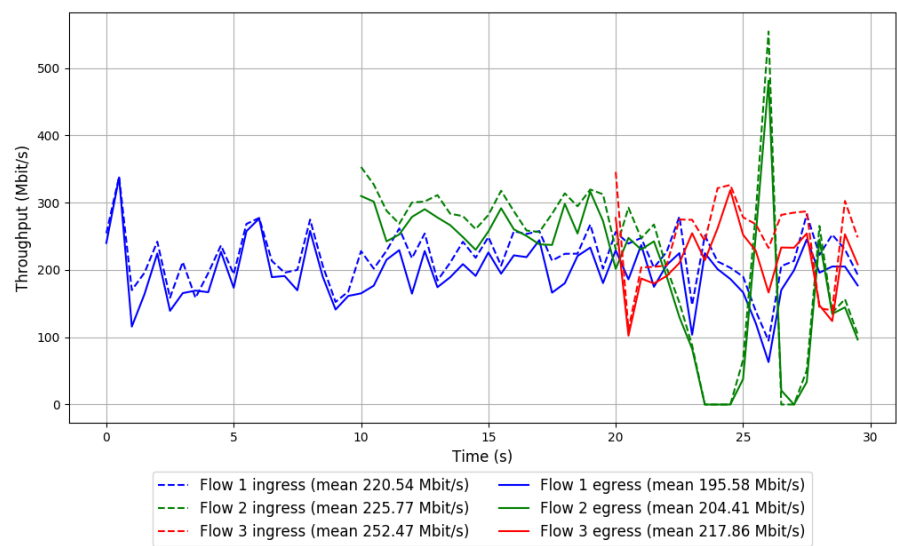


Run 2: Statistics of Verus

Start at: 2018-04-17 18:01:37
End at: 2018-04-17 18:02:07
Local clock offset: -0.038 ms
Remote clock offset: -4.665 ms

Below is generated by plot.py at 2018-04-18 01:32:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.42 Mbit/s
95th percentile per-packet one-way delay: 37.207 ms
Loss rate: 11.13%
-- Flow 1:
Average throughput: 195.58 Mbit/s
95th percentile per-packet one-way delay: 37.929 ms
Loss rate: 11.32%
-- Flow 2:
Average throughput: 204.41 Mbit/s
95th percentile per-packet one-way delay: 49.249 ms
Loss rate: 9.46%
-- Flow 3:
Average throughput: 217.86 Mbit/s
95th percentile per-packet one-way delay: 27.750 ms
Loss rate: 13.67%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 18:28:10

End at: 2018-04-17 18:28:40

Local clock offset: -0.051 ms

Remote clock offset: -5.02 ms

Below is generated by plot.py at 2018-04-18 01:33:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.36 Mbit/s

95th percentile per-packet one-way delay: 37.975 ms

Loss rate: 14.10%

-- Flow 1:

Average throughput: 202.05 Mbit/s

95th percentile per-packet one-way delay: 45.129 ms

Loss rate: 14.11%

-- Flow 2:

Average throughput: 237.11 Mbit/s

95th percentile per-packet one-way delay: 36.344 ms

Loss rate: 15.84%

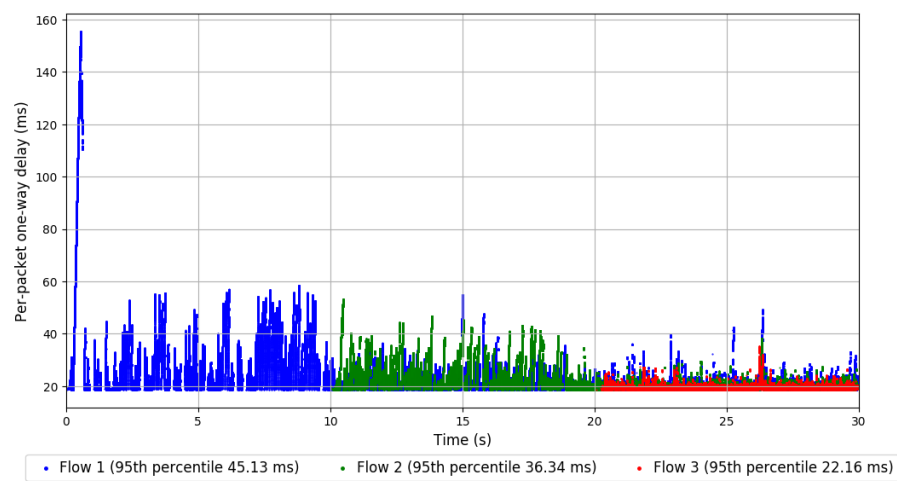
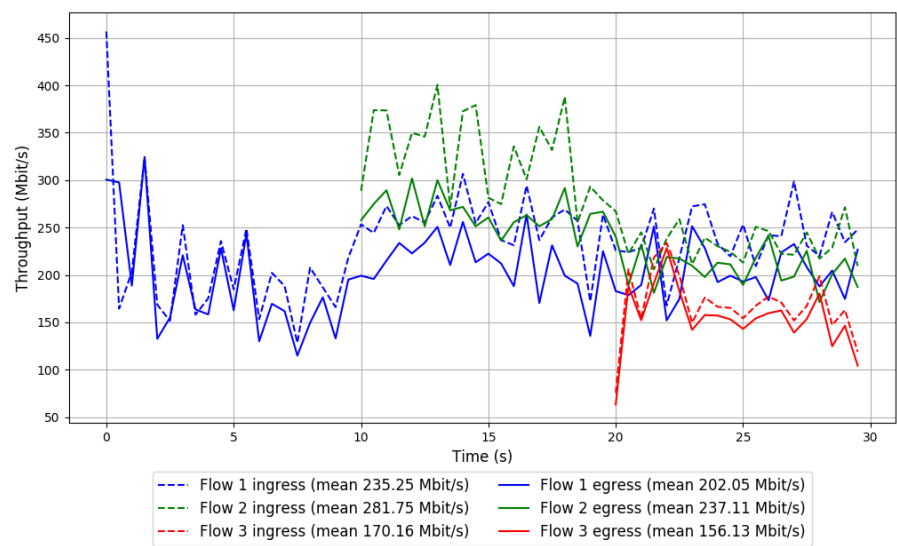
-- Flow 3:

Average throughput: 156.13 Mbit/s

95th percentile per-packet one-way delay: 22.155 ms

Loss rate: 8.23%

Run 3: Report of Verus — Data Link

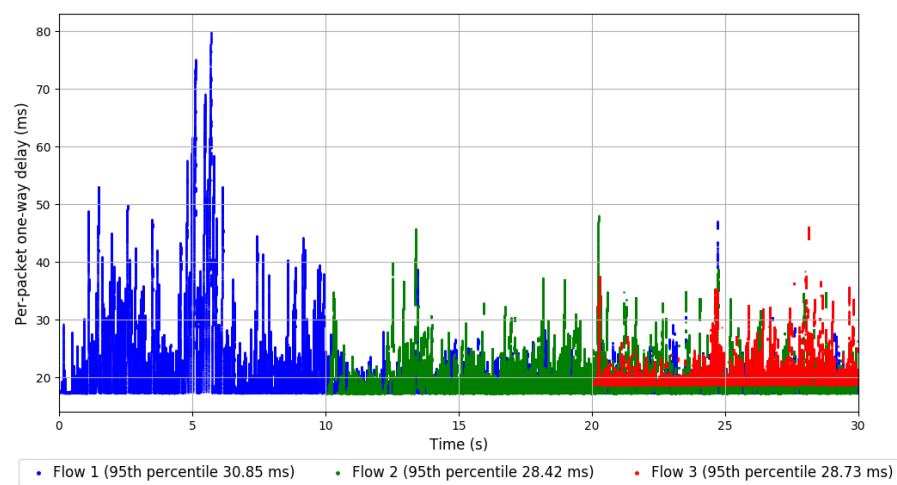
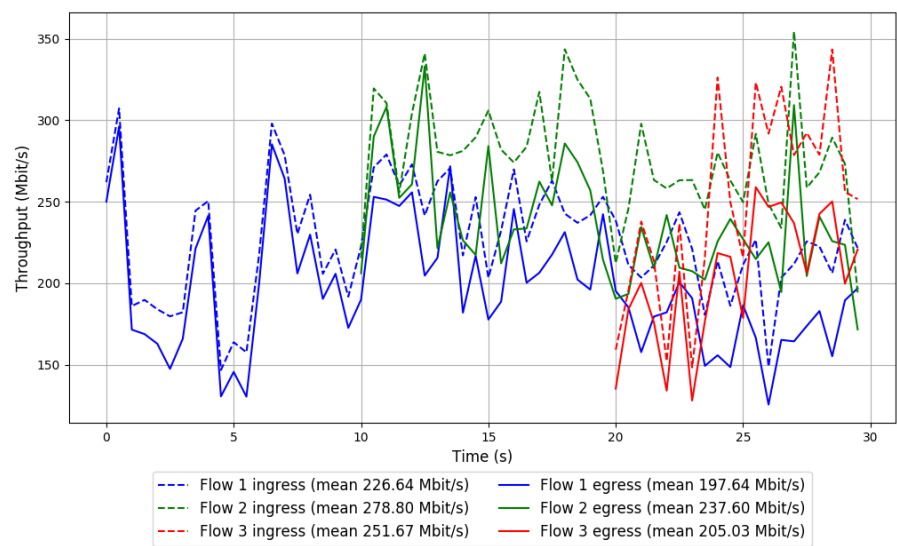


Run 4: Statistics of Verus

Start at: 2018-04-17 18:54:51
End at: 2018-04-17 18:55:21
Local clock offset: 0.125 ms
Remote clock offset: -6.387 ms

Below is generated by plot.py at 2018-04-18 01:34:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.63 Mbit/s
95th percentile per-packet one-way delay: 29.354 ms
Loss rate: 14.49%
-- Flow 1:
Average throughput: 197.64 Mbit/s
95th percentile per-packet one-way delay: 30.849 ms
Loss rate: 12.79%
-- Flow 2:
Average throughput: 237.60 Mbit/s
95th percentile per-packet one-way delay: 28.417 ms
Loss rate: 14.77%
-- Flow 3:
Average throughput: 205.03 Mbit/s
95th percentile per-packet one-way delay: 28.728 ms
Loss rate: 18.48%

Run 4: Report of Verus — Data Link

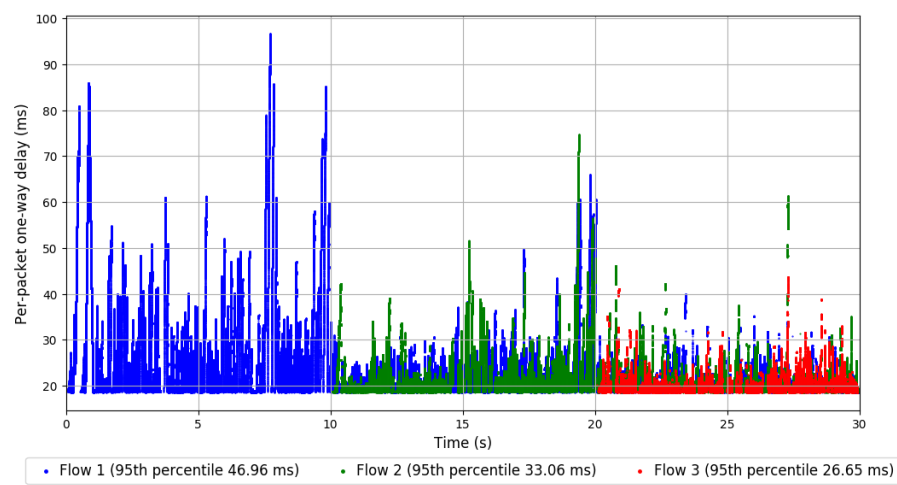
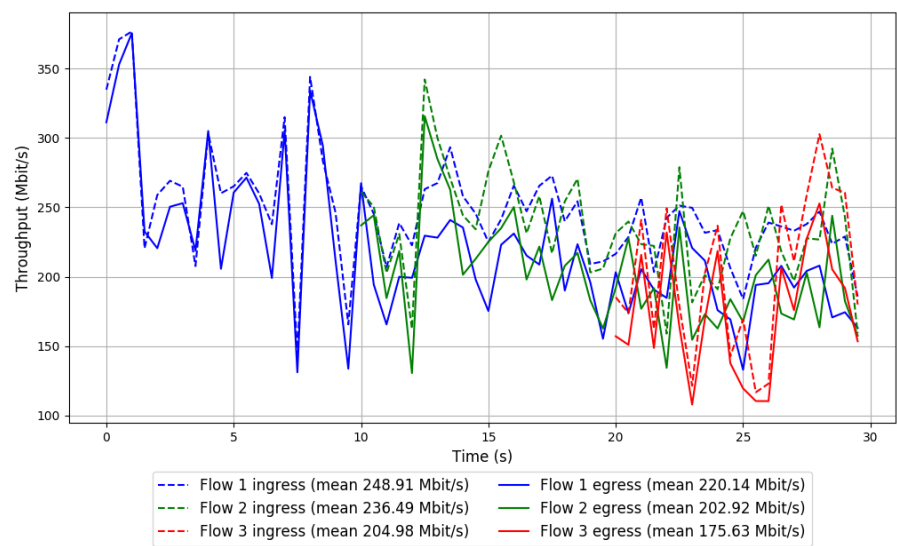


Run 5: Statistics of Verus

Start at: 2018-04-17 19:21:38
End at: 2018-04-17 19:22:08
Local clock offset: 0.105 ms
Remote clock offset: -6.579 ms

Below is generated by plot.py at 2018-04-18 01:34:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 412.83 Mbit/s
95th percentile per-packet one-way delay: 38.694 ms
Loss rate: 12.83%
-- Flow 1:
Average throughput: 220.14 Mbit/s
95th percentile per-packet one-way delay: 46.956 ms
Loss rate: 11.56%
-- Flow 2:
Average throughput: 202.92 Mbit/s
95th percentile per-packet one-way delay: 33.065 ms
Loss rate: 14.20%
-- Flow 3:
Average throughput: 175.63 Mbit/s
95th percentile per-packet one-way delay: 26.654 ms
Loss rate: 14.32%

Run 5: Report of Verus — Data Link

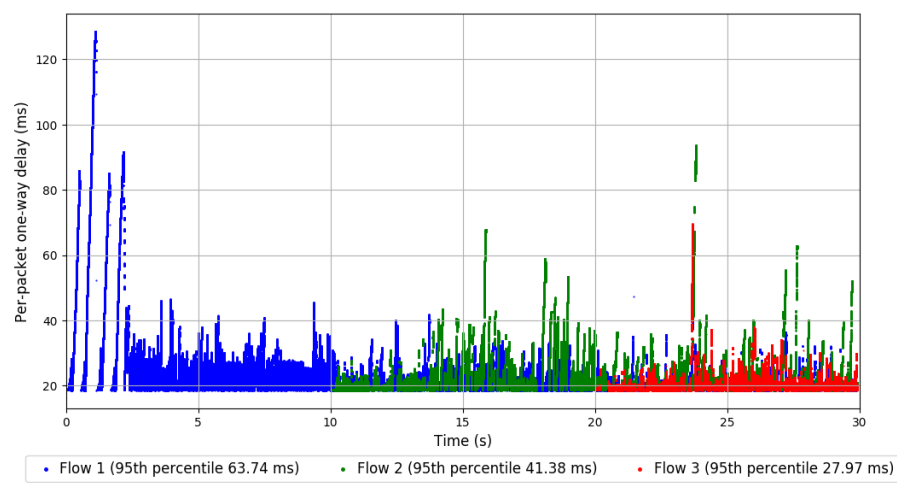
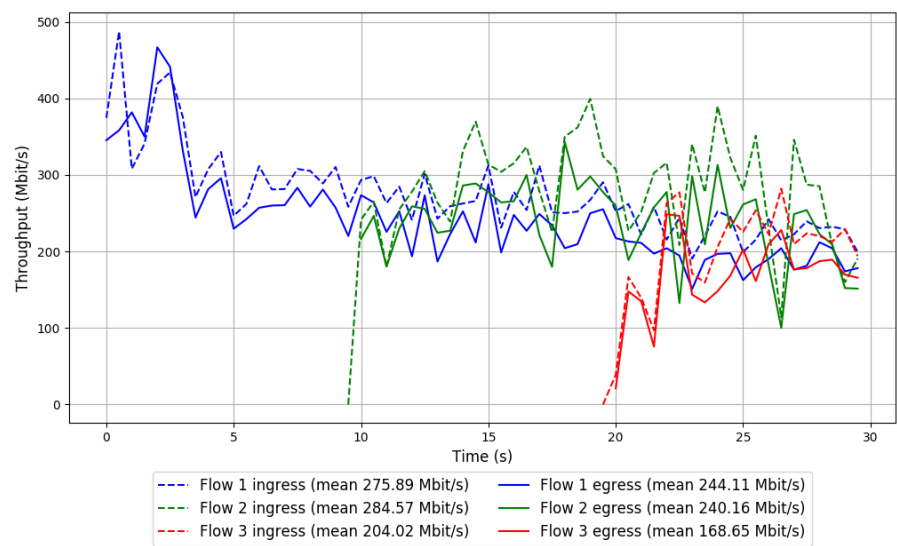


Run 6: Statistics of Verus

Start at: 2018-04-17 19:48:01
End at: 2018-04-17 19:48:31
Local clock offset: 0.157 ms
Remote clock offset: -6.623 ms

Below is generated by plot.py at 2018-04-18 01:36:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.81 Mbit/s
95th percentile per-packet one-way delay: 46.748 ms
Loss rate: 13.70%
-- Flow 1:
Average throughput: 244.11 Mbit/s
95th percentile per-packet one-way delay: 63.744 ms
Loss rate: 11.51%
-- Flow 2:
Average throughput: 240.16 Mbit/s
95th percentile per-packet one-way delay: 41.385 ms
Loss rate: 15.60%
-- Flow 3:
Average throughput: 168.65 Mbit/s
95th percentile per-packet one-way delay: 27.970 ms
Loss rate: 17.32%

Run 6: Report of Verus — Data Link

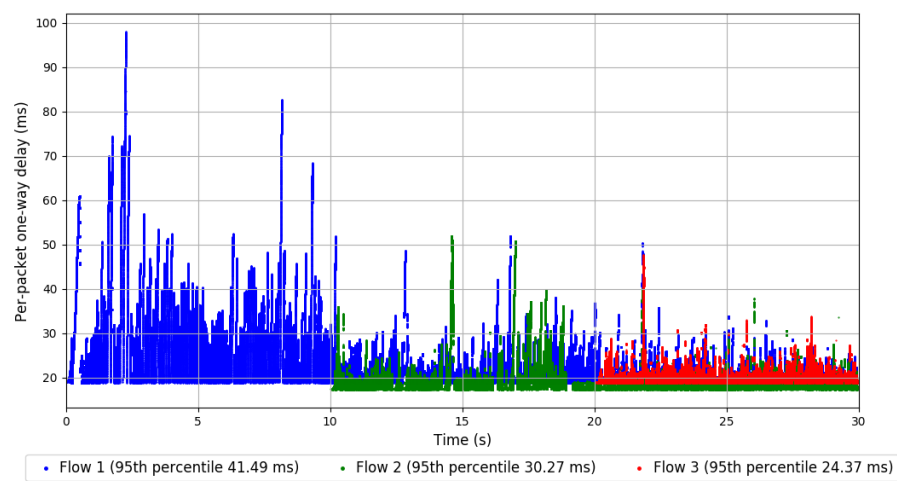
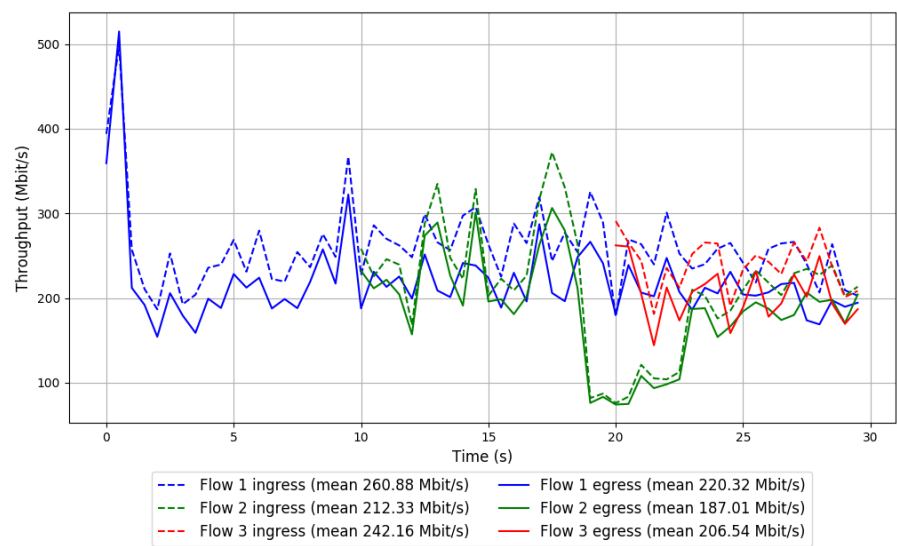


Run 7: Statistics of Verus

Start at: 2018-04-17 20:14:42
End at: 2018-04-17 20:15:12
Local clock offset: 0.105 ms
Remote clock offset: -6.412 ms

Below is generated by plot.py at 2018-04-18 01:36:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.08 Mbit/s
95th percentile per-packet one-way delay: 36.607 ms
Loss rate: 14.35%
-- Flow 1:
Average throughput: 220.32 Mbit/s
95th percentile per-packet one-way delay: 41.490 ms
Loss rate: 15.55%
-- Flow 2:
Average throughput: 187.01 Mbit/s
95th percentile per-packet one-way delay: 30.270 ms
Loss rate: 11.92%
-- Flow 3:
Average throughput: 206.54 Mbit/s
95th percentile per-packet one-way delay: 24.366 ms
Loss rate: 14.71%

Run 7: Report of Verus — Data Link

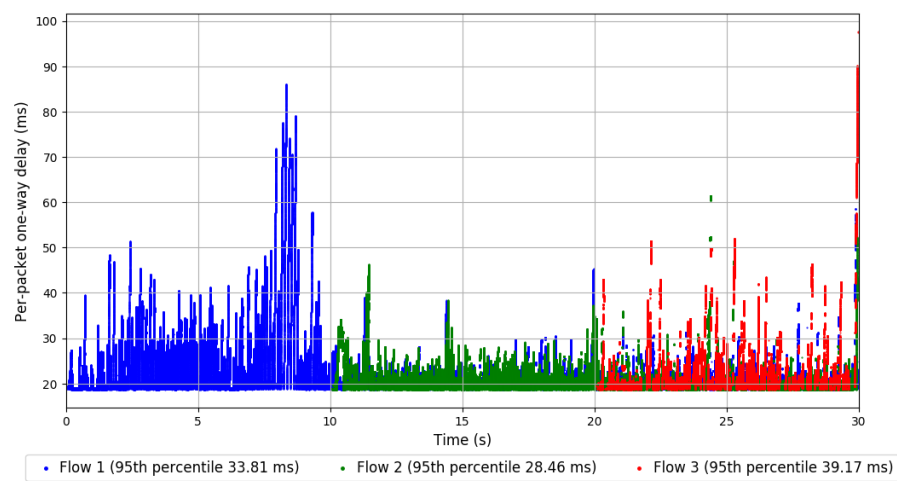
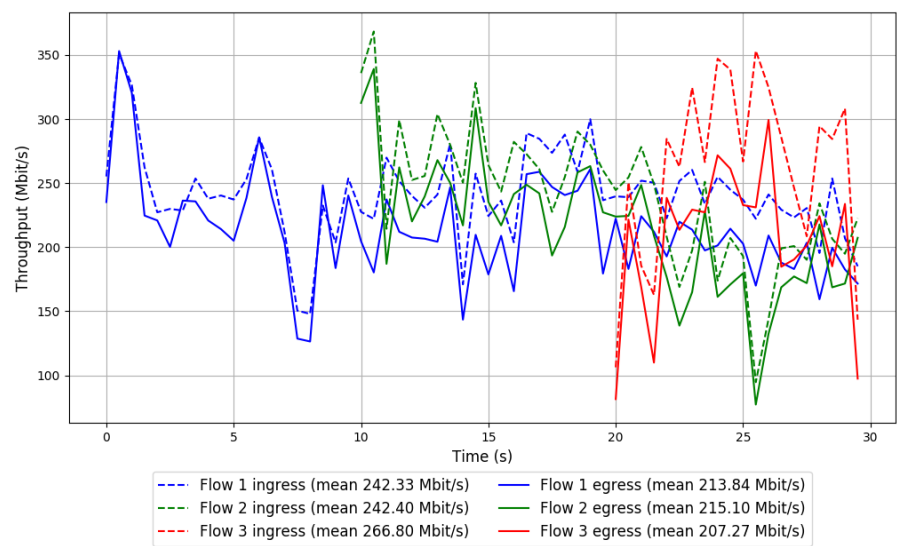


Run 8: Statistics of Verus

Start at: 2018-04-17 20:41:24
End at: 2018-04-17 20:41:54
Local clock offset: 0.078 ms
Remote clock offset: -5.368 ms

Below is generated by plot.py at 2018-04-18 01:37:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.34 Mbit/s
95th percentile per-packet one-way delay: 32.408 ms
Loss rate: 13.33%
-- Flow 1:
Average throughput: 213.84 Mbit/s
95th percentile per-packet one-way delay: 33.814 ms
Loss rate: 11.75%
-- Flow 2:
Average throughput: 215.10 Mbit/s
95th percentile per-packet one-way delay: 28.456 ms
Loss rate: 11.11%
-- Flow 3:
Average throughput: 207.27 Mbit/s
95th percentile per-packet one-way delay: 39.171 ms
Loss rate: 21.77%

Run 8: Report of Verus — Data Link

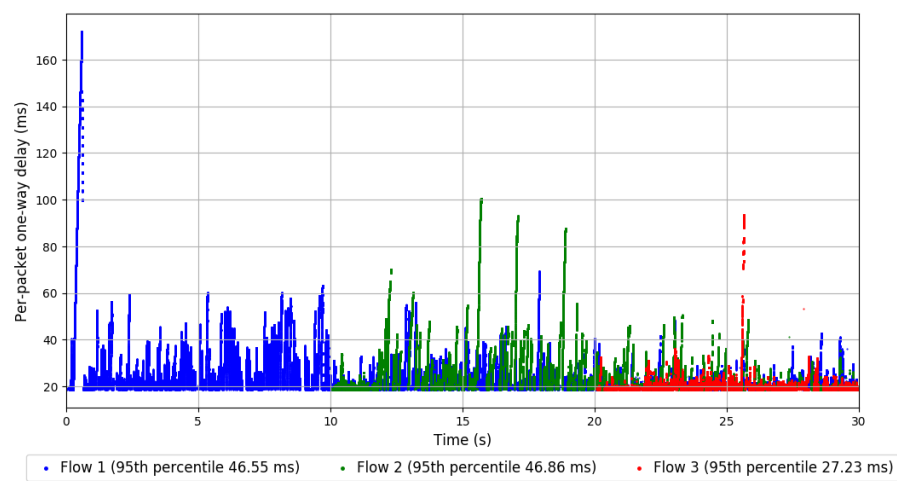
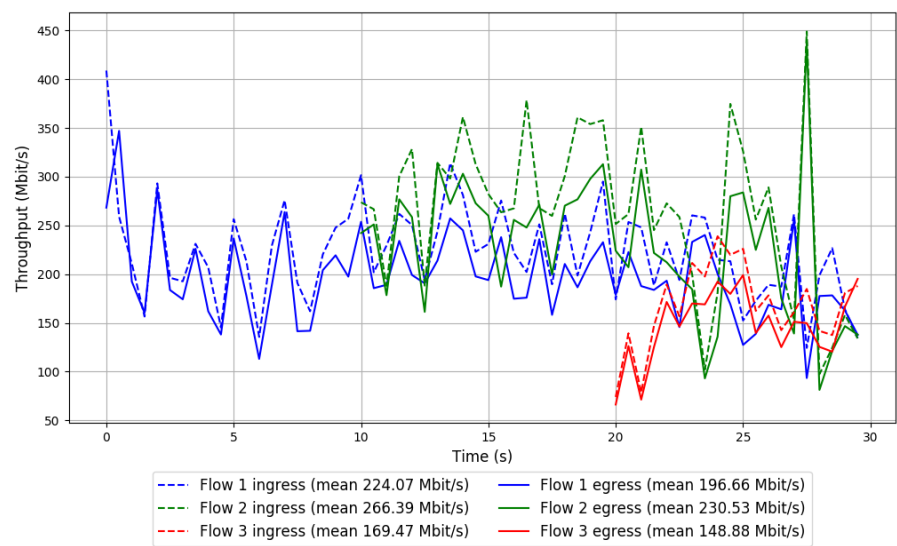


Run 9: Statistics of Verus

Start at: 2018-04-17 21:07:58
End at: 2018-04-17 21:08:28
Local clock offset: 0.305 ms
Remote clock offset: -6.203 ms

Below is generated by plot.py at 2018-04-18 01:39:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.27 Mbit/s
95th percentile per-packet one-way delay: 45.274 ms
Loss rate: 12.70%
-- Flow 1:
Average throughput: 196.66 Mbit/s
95th percentile per-packet one-way delay: 46.550 ms
Loss rate: 12.23%
-- Flow 2:
Average throughput: 230.53 Mbit/s
95th percentile per-packet one-way delay: 46.856 ms
Loss rate: 13.46%
-- Flow 3:
Average throughput: 148.88 Mbit/s
95th percentile per-packet one-way delay: 27.232 ms
Loss rate: 12.15%

Run 9: Report of Verus — Data Link

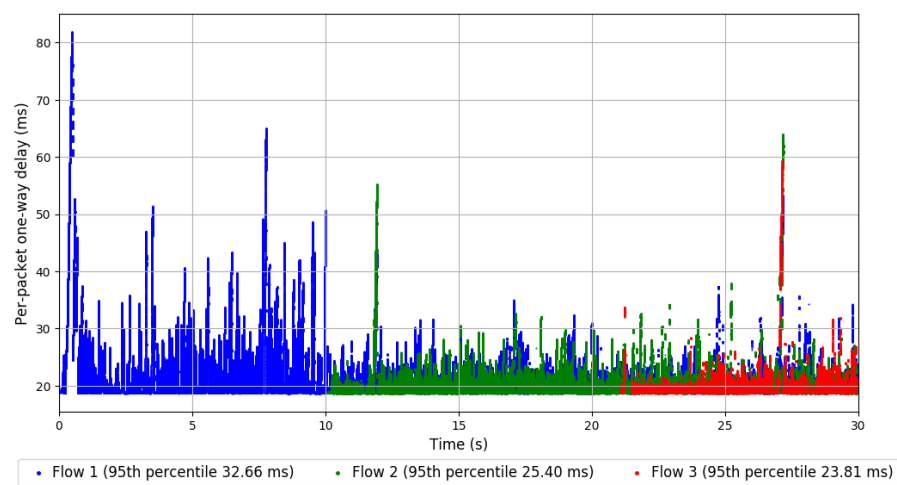
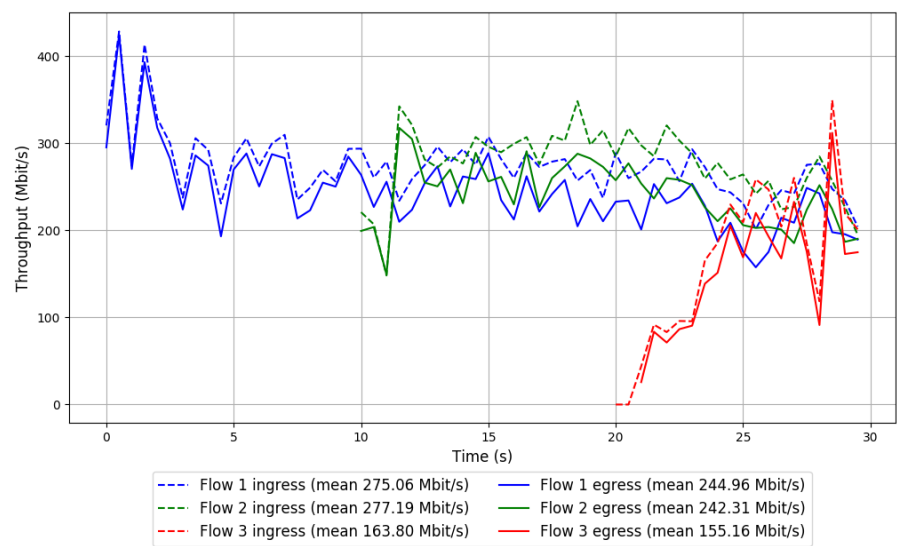


Run 10: Statistics of Verus

Start at: 2018-04-17 21:34:36
End at: 2018-04-17 21:35:06
Local clock offset: 0.417 ms
Remote clock offset: -5.967 ms

Below is generated by plot.py at 2018-04-18 01:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.10 Mbit/s
95th percentile per-packet one-way delay: 29.144 ms
Loss rate: 11.94%
-- Flow 1:
Average throughput: 244.96 Mbit/s
95th percentile per-packet one-way delay: 32.660 ms
Loss rate: 10.94%
-- Flow 2:
Average throughput: 242.31 Mbit/s
95th percentile per-packet one-way delay: 25.397 ms
Loss rate: 12.58%
-- Flow 3:
Average throughput: 155.16 Mbit/s
95th percentile per-packet one-way delay: 23.814 ms
Loss rate: 14.84%

Run 10: Report of Verus — Data Link

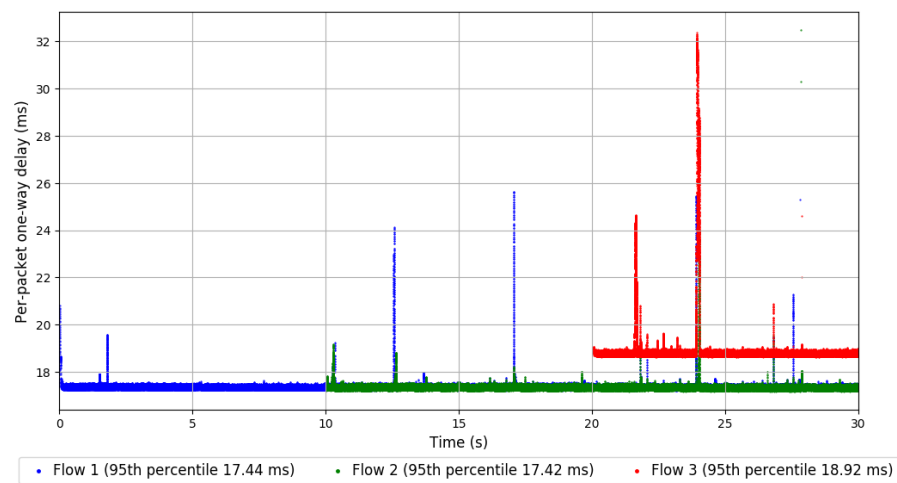
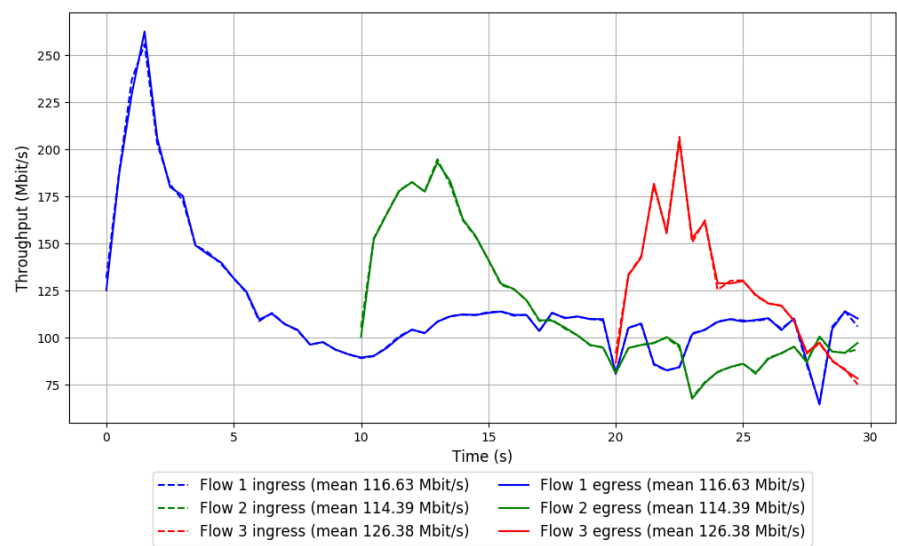


Run 1: Statistics of Copa

Start at: 2018-04-17 17:47:43
End at: 2018-04-17 17:48:13
Local clock offset: -0.102 ms
Remote clock offset: -5.075 ms

Below is generated by plot.py at 2018-04-18 01:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.67 Mbit/s
95th percentile per-packet one-way delay: 18.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.63 Mbit/s
95th percentile per-packet one-way delay: 17.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.39 Mbit/s
95th percentile per-packet one-way delay: 17.419 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.38 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

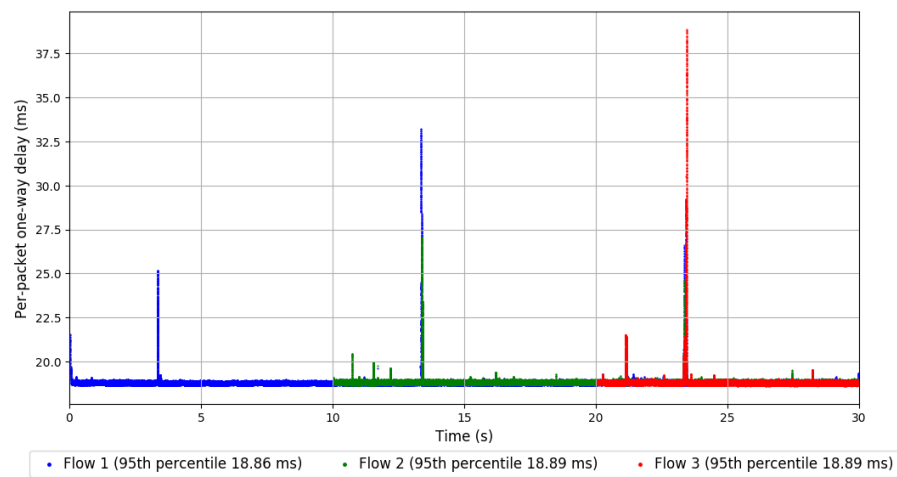
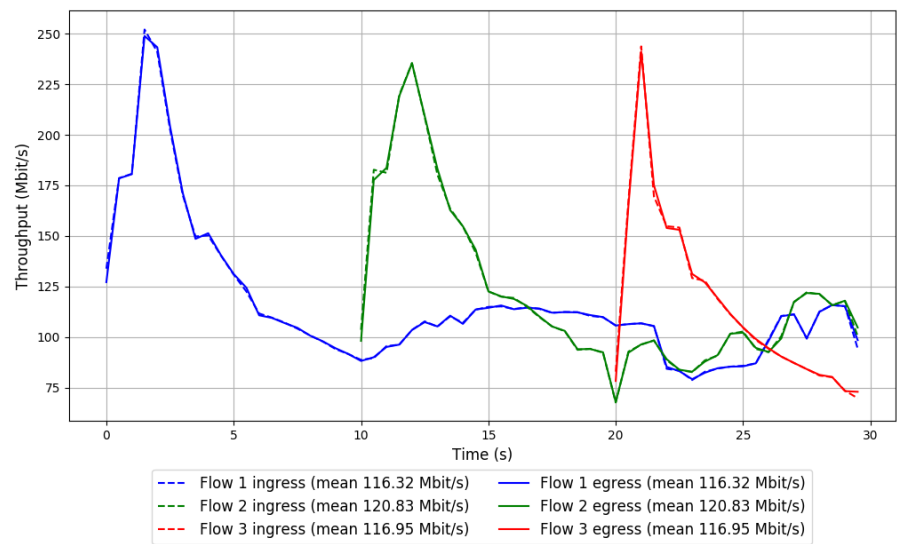


Run 2: Statistics of Copa

Start at: 2018-04-17 18:14:23
End at: 2018-04-17 18:14:53
Local clock offset: -0.052 ms
Remote clock offset: -5.023 ms

Below is generated by plot.py at 2018-04-18 01:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.56 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.32 Mbit/s
95th percentile per-packet one-way delay: 18.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.83 Mbit/s
95th percentile per-packet one-way delay: 18.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.95 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

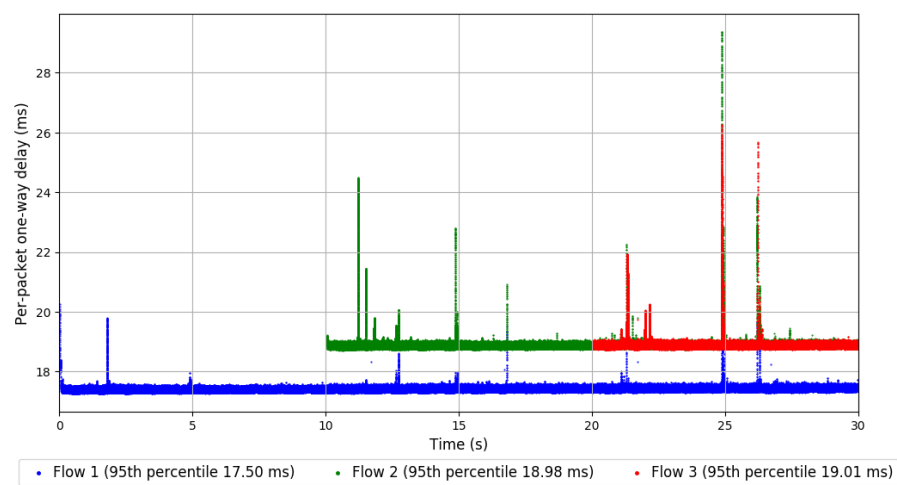
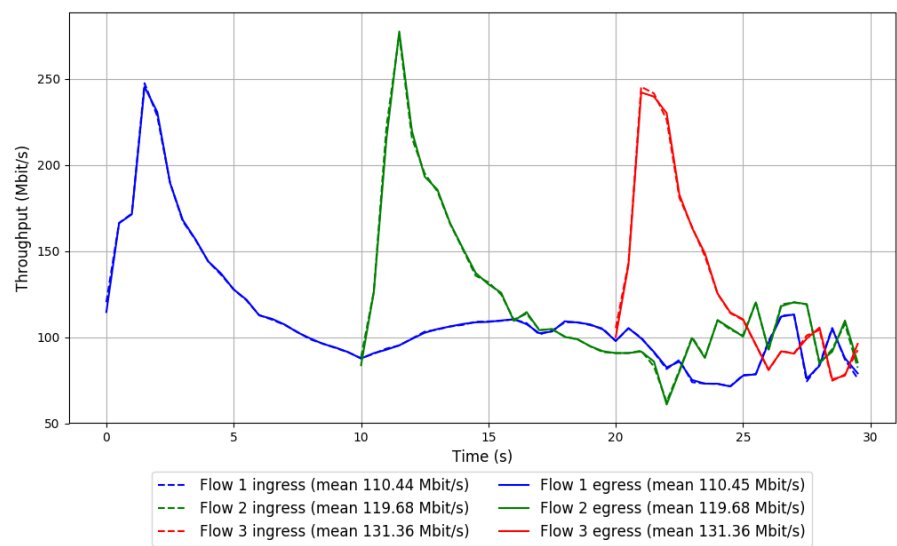


Run 3: Statistics of Copa

Start at: 2018-04-17 18:41:01
End at: 2018-04-17 18:41:31
Local clock offset: -0.035 ms
Remote clock offset: -5.533 ms

Below is generated by plot.py at 2018-04-18 01:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.73 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.45 Mbit/s
95th percentile per-packet one-way delay: 17.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.68 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.36 Mbit/s
95th percentile per-packet one-way delay: 19.007 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

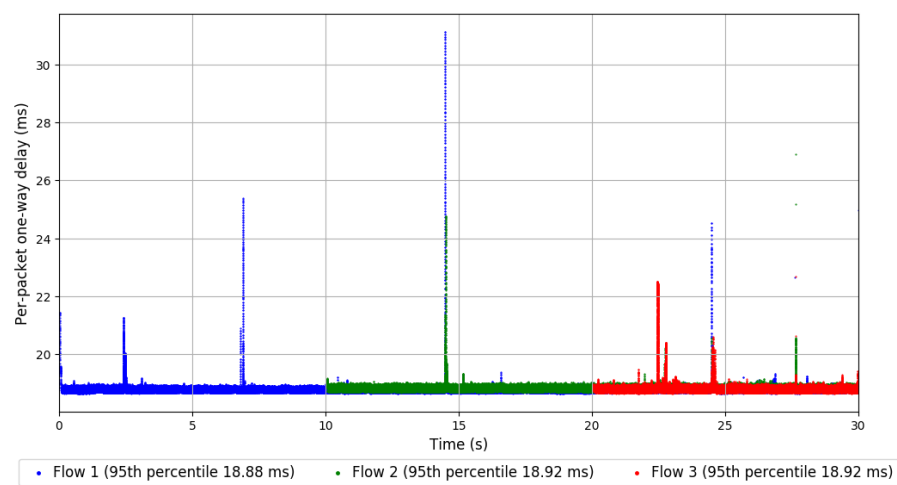
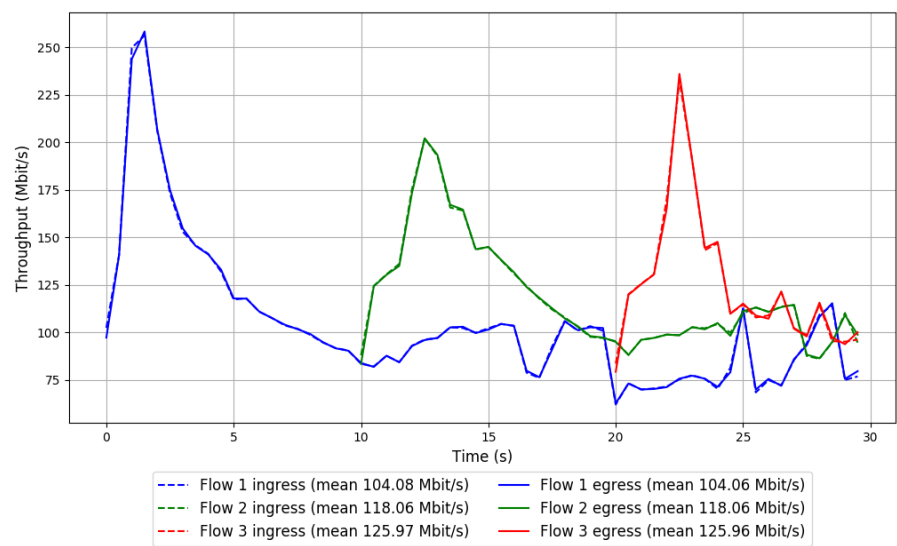


Run 4: Statistics of Copa

Start at: 2018-04-17 19:07:41
End at: 2018-04-17 19:08:11
Local clock offset: 0.007 ms
Remote clock offset: -6.667 ms

Below is generated by plot.py at 2018-04-18 01:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.45 Mbit/s
95th percentile per-packet one-way delay: 18.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.06 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.06 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.96 Mbit/s
95th percentile per-packet one-way delay: 18.921 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

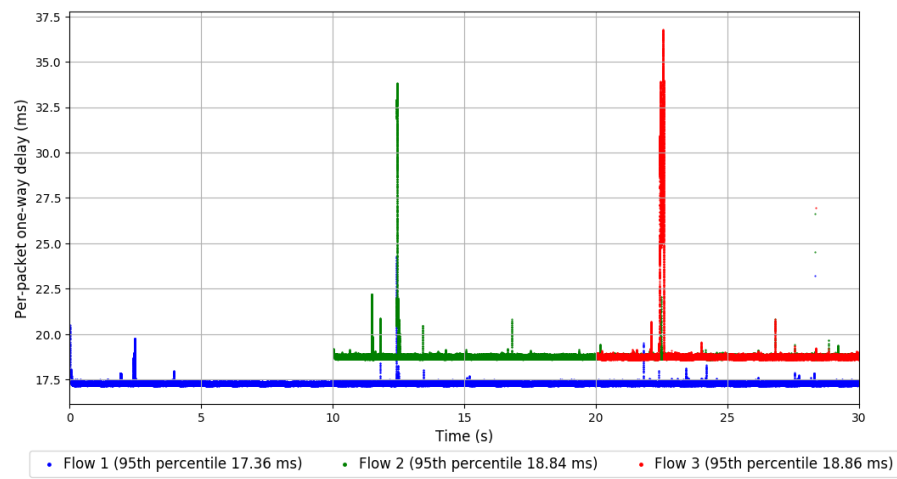
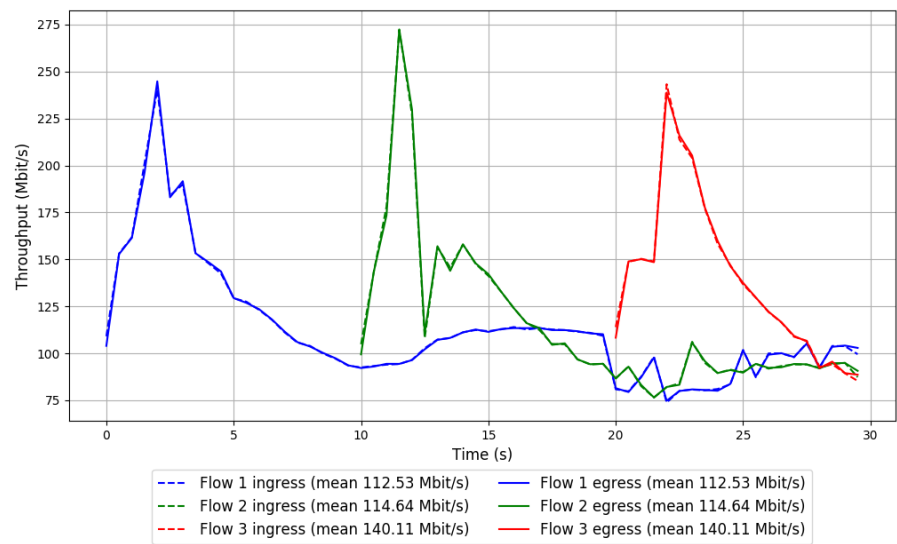


Run 5: Statistics of Copa

Start at: 2018-04-17 19:34:12
End at: 2018-04-17 19:34:42
Local clock offset: 0.051 ms
Remote clock offset: -6.554 ms

Below is generated by plot.py at 2018-04-18 01:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.38 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.53 Mbit/s
95th percentile per-packet one-way delay: 17.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.64 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.11 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

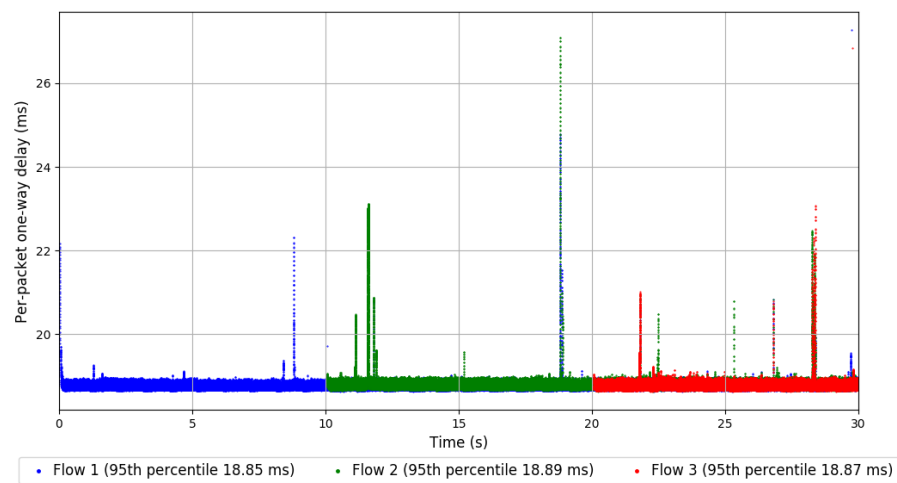
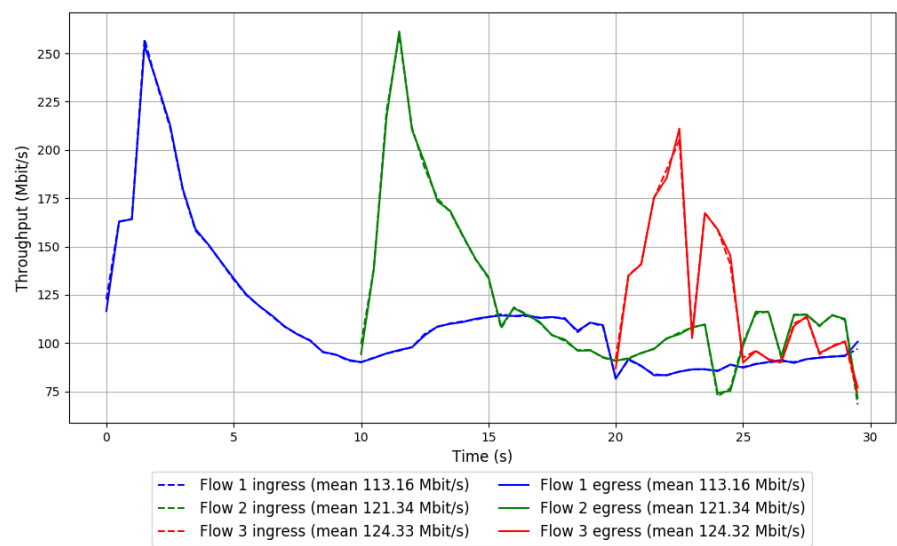


Run 6: Statistics of Copa

Start at: 2018-04-17 20:00:45
End at: 2018-04-17 20:01:15
Local clock offset: 0.049 ms
Remote clock offset: -6.466 ms

Below is generated by plot.py at 2018-04-18 01:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.16 Mbit/s
95th percentile per-packet one-way delay: 18.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.16 Mbit/s
95th percentile per-packet one-way delay: 18.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.34 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.32 Mbit/s
95th percentile per-packet one-way delay: 18.872 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

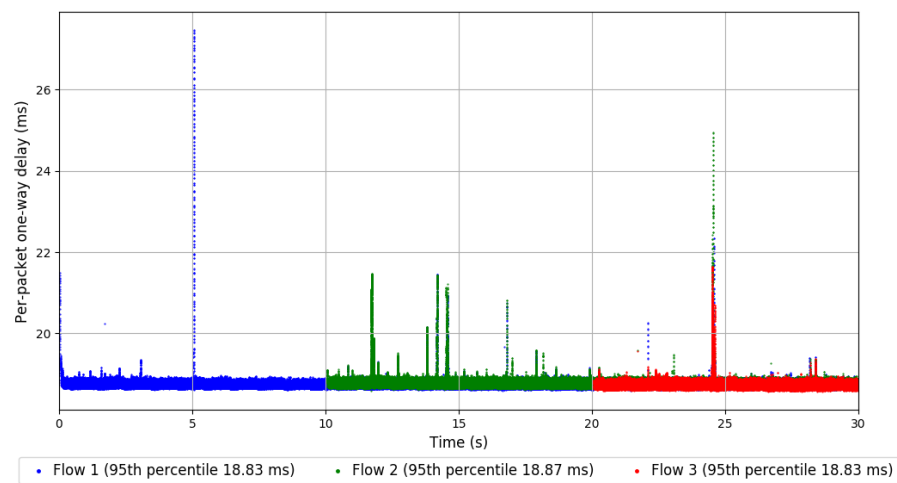
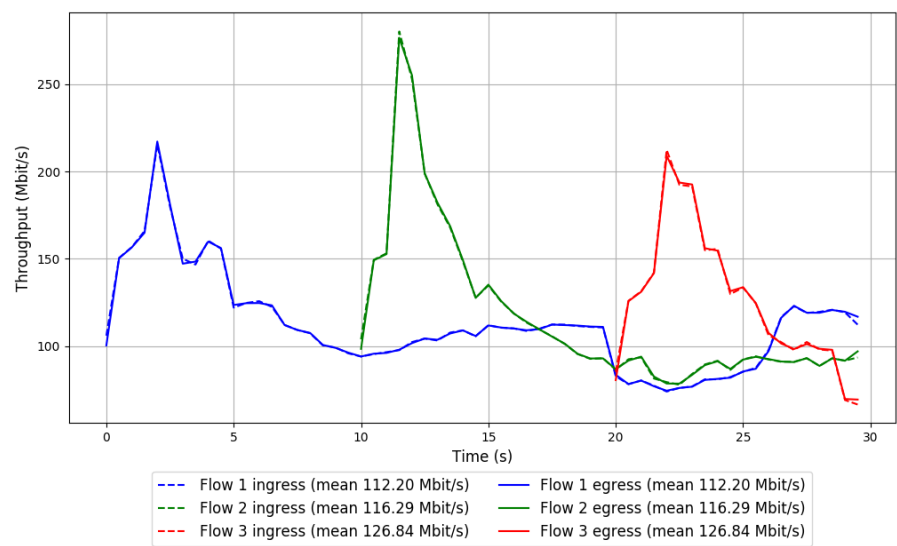


Run 7: Statistics of Copa

Start at: 2018-04-17 20:27:29
End at: 2018-04-17 20:27:59
Local clock offset: 0.165 ms
Remote clock offset: -5.739 ms

Below is generated by plot.py at 2018-04-18 01:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.63 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.20 Mbit/s
95th percentile per-packet one-way delay: 18.832 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.29 Mbit/s
95th percentile per-packet one-way delay: 18.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

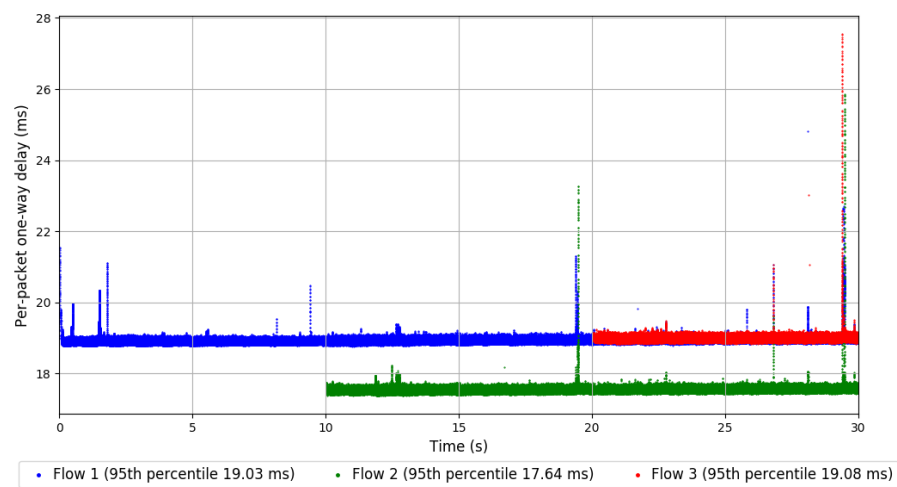
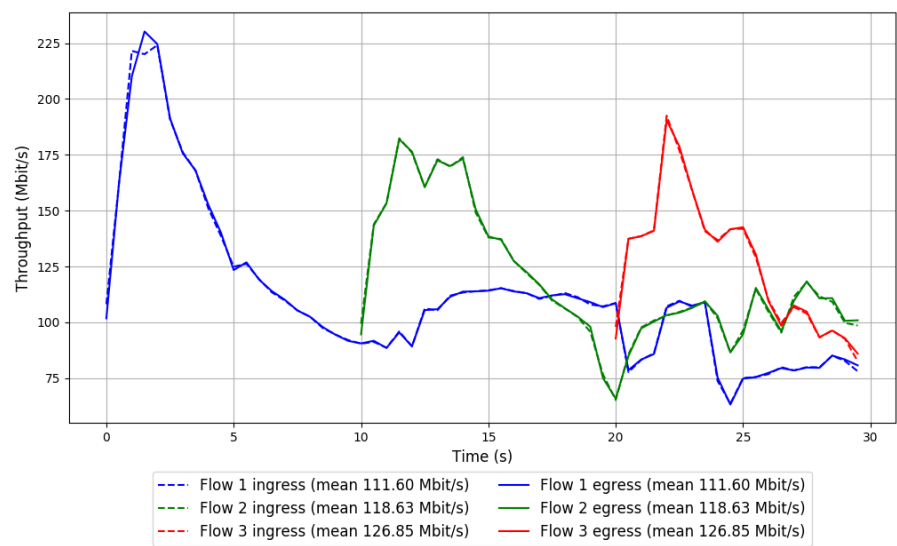


Run 8: Statistics of Copa

Start at: 2018-04-17 20:54:04
End at: 2018-04-17 20:54:34
Local clock offset: 0.157 ms
Remote clock offset: -5.125 ms

```
# Below is generated by plot.py at 2018-04-18 01:46:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.65 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.60 Mbit/s
95th percentile per-packet one-way delay: 19.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.63 Mbit/s
95th percentile per-packet one-way delay: 17.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.85 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

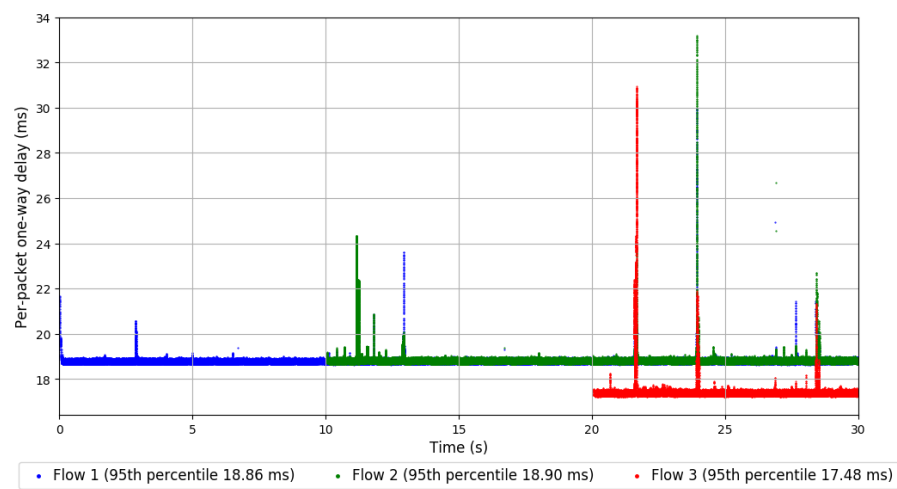
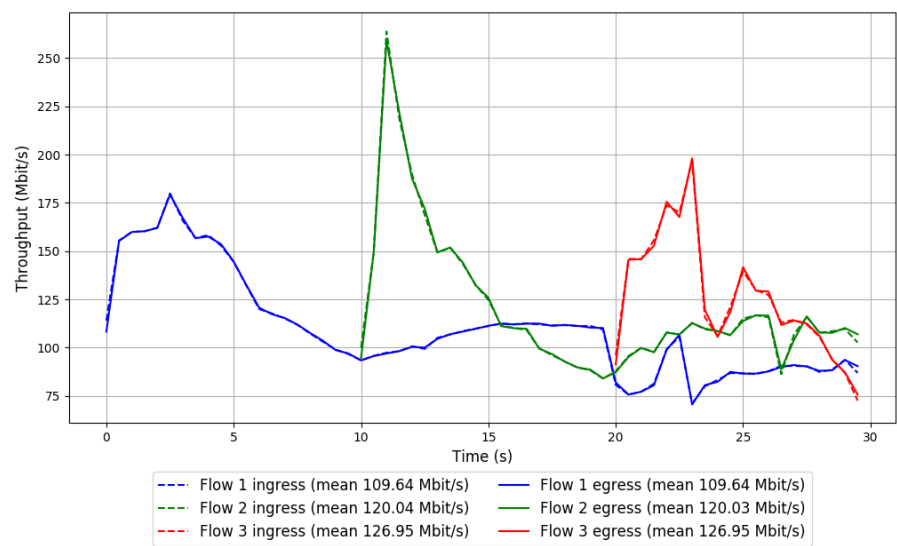


Run 9: Statistics of Copa

Start at: 2018-04-17 21:20:40
End at: 2018-04-17 21:21:10
Local clock offset: 0.304 ms
Remote clock offset: -6.471 ms

Below is generated by plot.py at 2018-04-18 01:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.62 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.64 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.03 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.95 Mbit/s
95th percentile per-packet one-way delay: 17.477 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

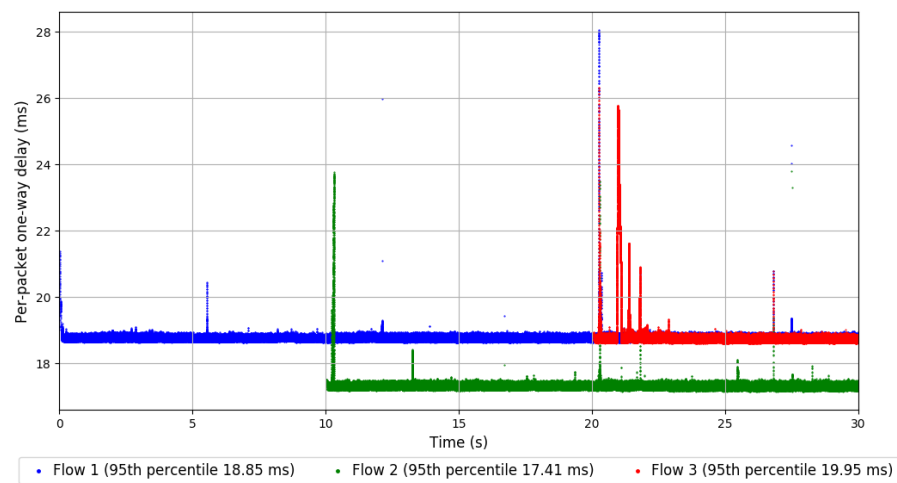
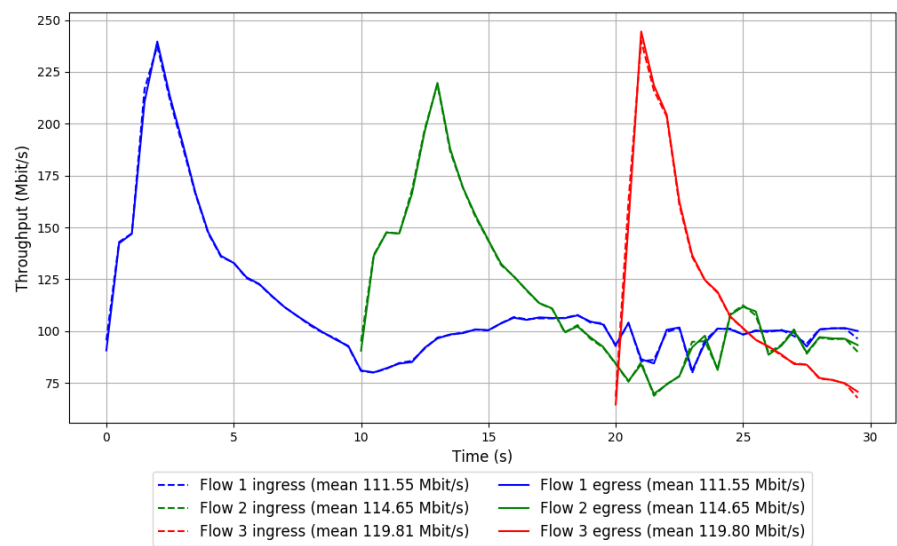


Run 10: Statistics of Copa

Start at: 2018-04-17 21:47:12
End at: 2018-04-17 21:47:42
Local clock offset: 0.579 ms
Remote clock offset: -5.412 ms

Below is generated by plot.py at 2018-04-18 01:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.60 Mbit/s
95th percentile per-packet one-way delay: 18.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.55 Mbit/s
95th percentile per-packet one-way delay: 18.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.65 Mbit/s
95th percentile per-packet one-way delay: 17.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.80 Mbit/s
95th percentile per-packet one-way delay: 19.948 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

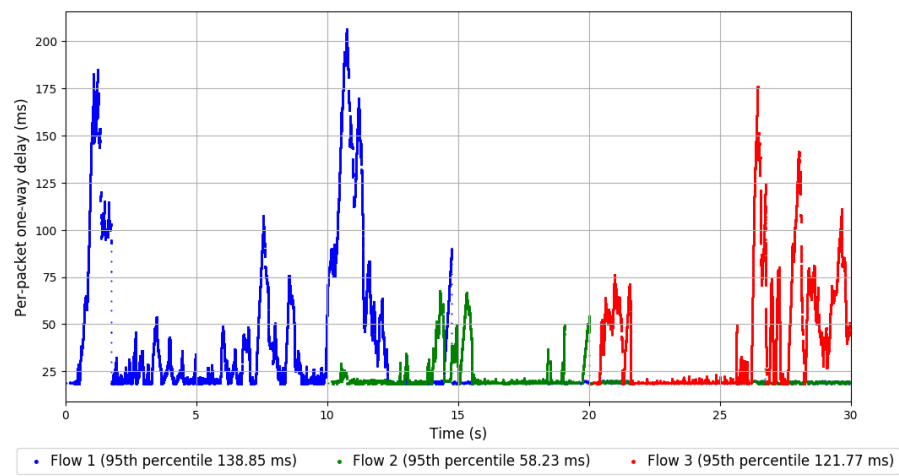
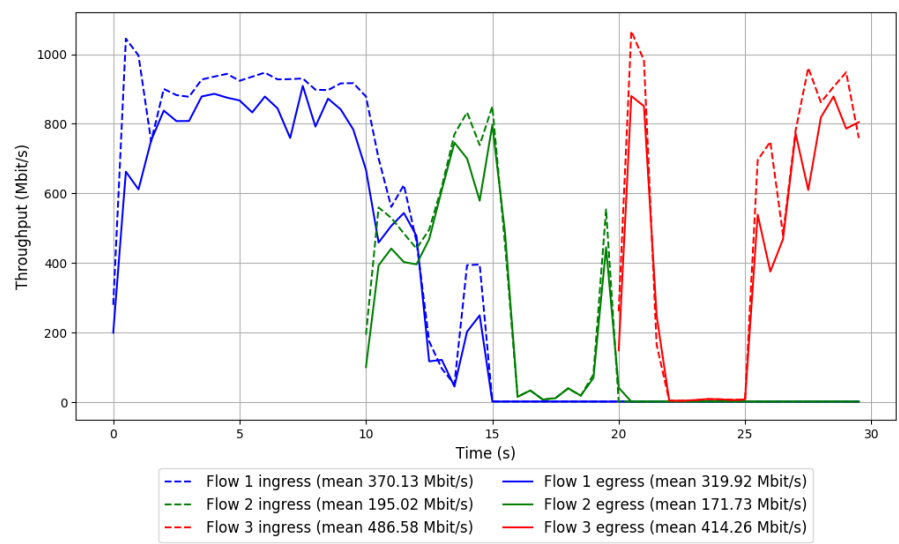


Run 1: Statistics of FillP

Start at: 2018-04-17 17:42:40
End at: 2018-04-17 17:43:10
Local clock offset: -0.028 ms
Remote clock offset: -5.295 ms

Below is generated by plot.py at 2018-04-18 01:50:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.65 Mbit/s
95th percentile per-packet one-way delay: 116.144 ms
Loss rate: 13.56%
-- Flow 1:
Average throughput: 319.92 Mbit/s
95th percentile per-packet one-way delay: 138.846 ms
Loss rate: 13.57%
-- Flow 2:
Average throughput: 171.73 Mbit/s
95th percentile per-packet one-way delay: 58.231 ms
Loss rate: 11.94%
-- Flow 3:
Average throughput: 414.26 Mbit/s
95th percentile per-packet one-way delay: 121.770 ms
Loss rate: 14.86%

Run 1: Report of FillP — Data Link

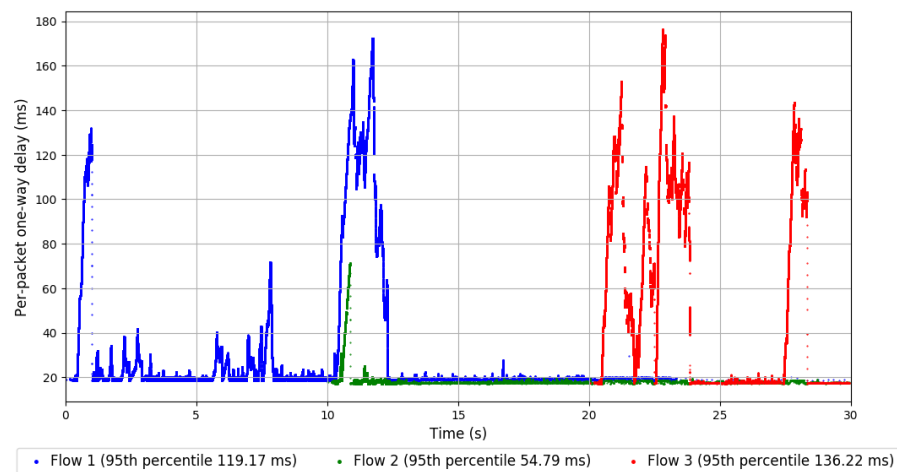
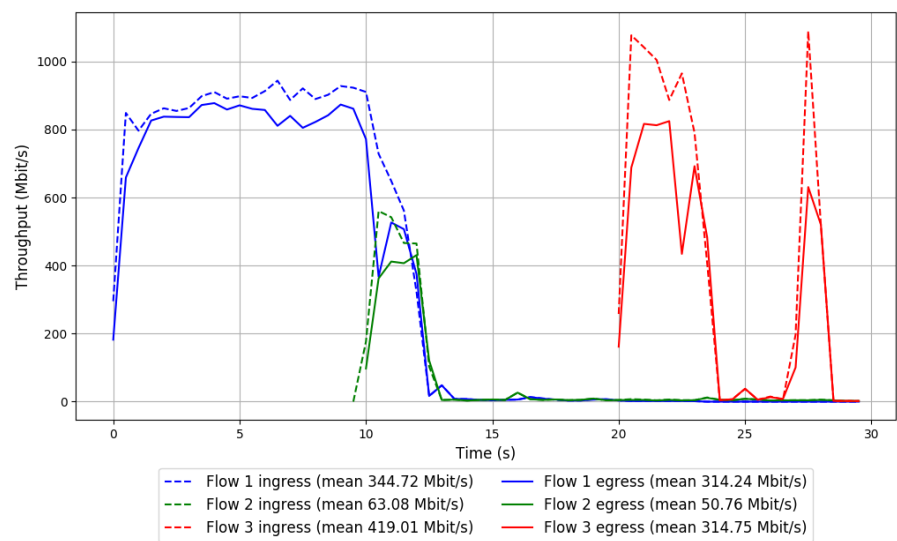


Run 2: Statistics of FillP

Start at: 2018-04-17 18:09:23
End at: 2018-04-17 18:09:53
Local clock offset: -0.02 ms
Remote clock offset: -4.983 ms

Below is generated by plot.py at 2018-04-18 01:50:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.30 Mbit/s
95th percentile per-packet one-way delay: 125.717 ms
Loss rate: 13.96%
-- Flow 1:
Average throughput: 314.24 Mbit/s
95th percentile per-packet one-way delay: 119.169 ms
Loss rate: 8.84%
-- Flow 2:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 54.788 ms
Loss rate: 19.53%
-- Flow 3:
Average throughput: 314.75 Mbit/s
95th percentile per-packet one-way delay: 136.218 ms
Loss rate: 24.88%

Run 2: Report of FillP — Data Link

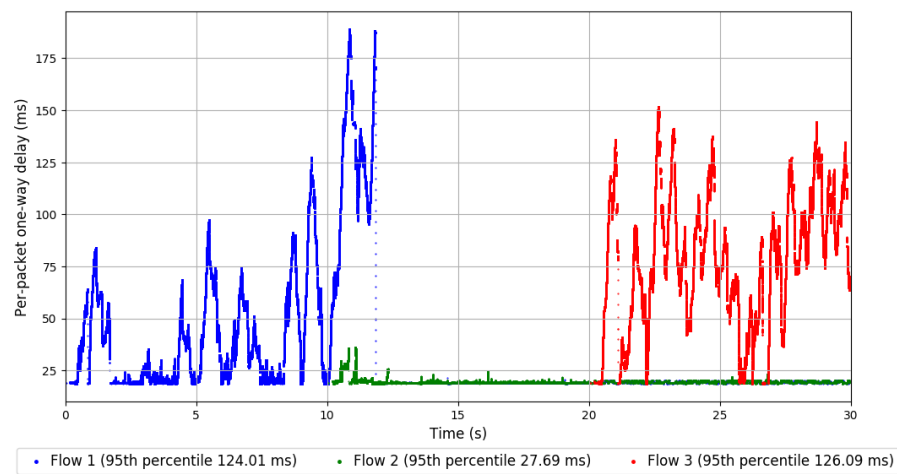
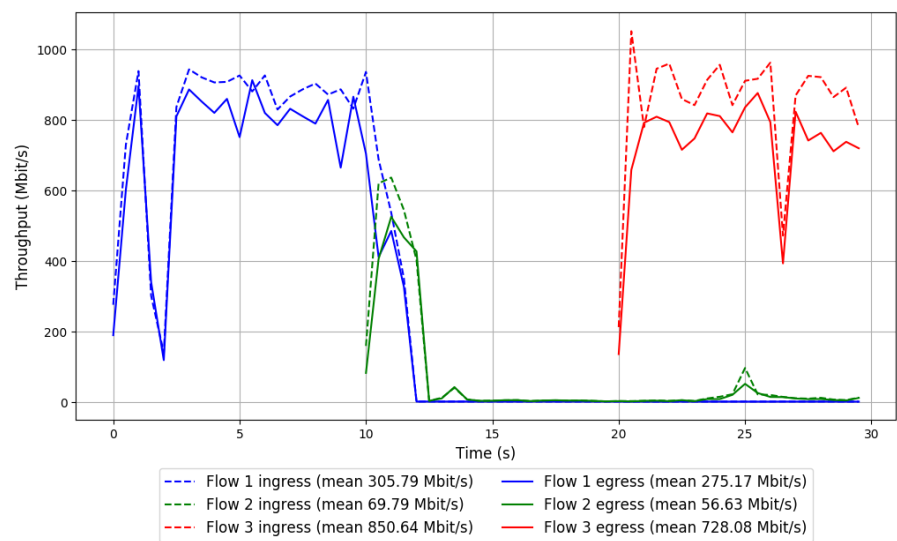


Run 3: Statistics of FillP

Start at: 2018-04-17 18:35:57
End at: 2018-04-17 18:36:27
Local clock offset: -0.089 ms
Remote clock offset: -5.025 ms

Below is generated by plot.py at 2018-04-18 01:52:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 554.15 Mbit/s
95th percentile per-packet one-way delay: 124.313 ms
Loss rate: 12.61%
-- Flow 1:
Average throughput: 275.17 Mbit/s
95th percentile per-packet one-way delay: 124.013 ms
Loss rate: 10.01%
-- Flow 2:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 27.690 ms
Loss rate: 18.85%
-- Flow 3:
Average throughput: 728.08 Mbit/s
95th percentile per-packet one-way delay: 126.091 ms
Loss rate: 14.40%

Run 3: Report of FillP — Data Link

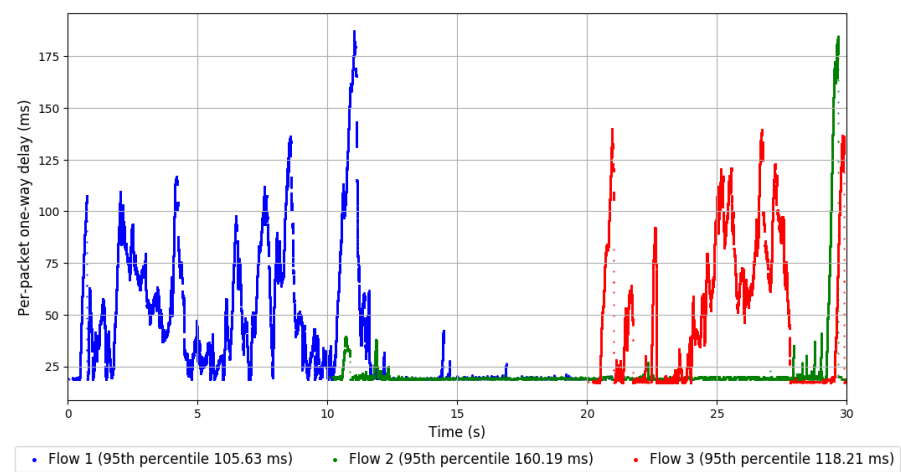
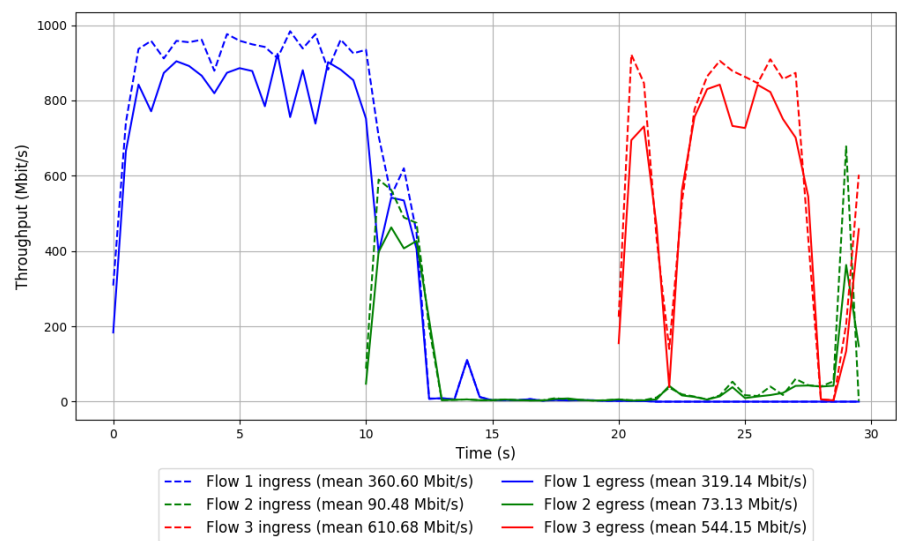


Run 4: Statistics of FillP

Start at: 2018-04-17 19:02:38
End at: 2018-04-17 19:03:08
Local clock offset: 0.144 ms
Remote clock offset: -6.534 ms

Below is generated by plot.py at 2018-04-18 01:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.11 Mbit/s
95th percentile per-packet one-way delay: 113.513 ms
Loss rate: 12.04%
-- Flow 1:
Average throughput: 319.14 Mbit/s
95th percentile per-packet one-way delay: 105.633 ms
Loss rate: 11.49%
-- Flow 2:
Average throughput: 73.13 Mbit/s
95th percentile per-packet one-way delay: 160.195 ms
Loss rate: 19.18%
-- Flow 3:
Average throughput: 544.15 Mbit/s
95th percentile per-packet one-way delay: 118.209 ms
Loss rate: 10.89%

Run 4: Report of FillP — Data Link

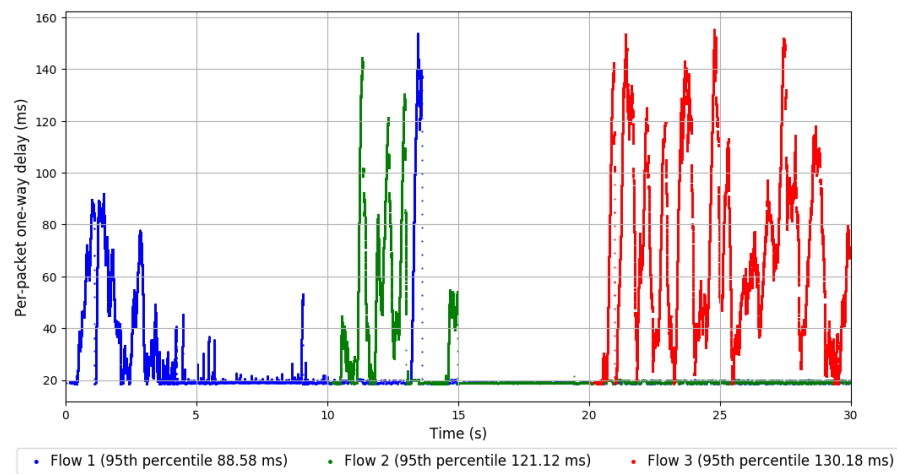
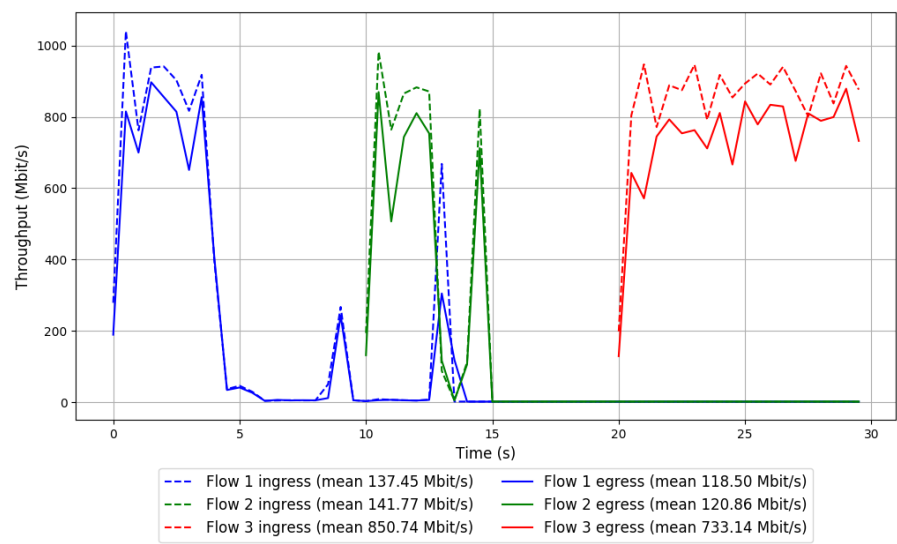


Run 5: Statistics of FillP

Start at: 2018-04-17 19:29:15
End at: 2018-04-17 19:29:45
Local clock offset: 0.083 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-04-18 01:53:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.03 Mbit/s
95th percentile per-packet one-way delay: 125.902 ms
Loss rate: 13.98%
-- Flow 1:
Average throughput: 118.50 Mbit/s
95th percentile per-packet one-way delay: 88.579 ms
Loss rate: 13.79%
-- Flow 2:
Average throughput: 120.86 Mbit/s
95th percentile per-packet one-way delay: 121.119 ms
Loss rate: 14.75%
-- Flow 3:
Average throughput: 733.14 Mbit/s
95th percentile per-packet one-way delay: 130.179 ms
Loss rate: 13.82%

Run 5: Report of FillP — Data Link

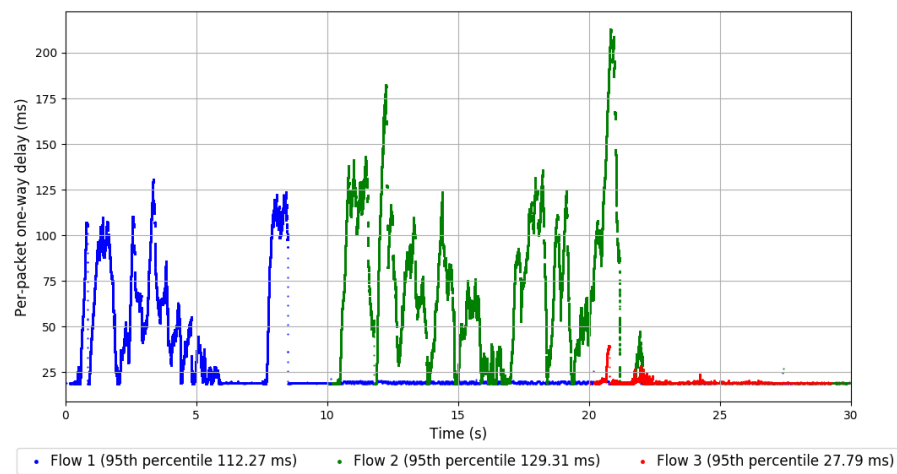
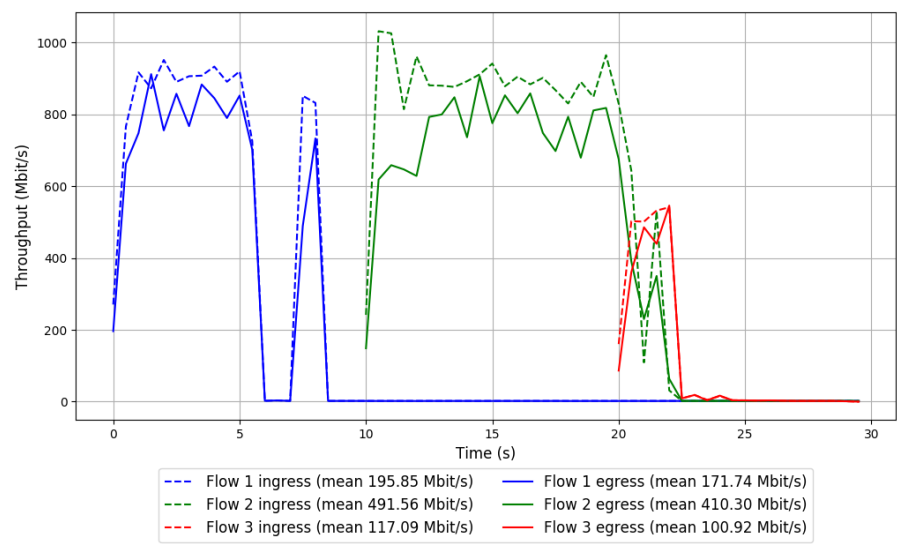


Run 6: Statistics of FillP

Start at: 2018-04-17 19:55:44
End at: 2018-04-17 19:56:14
Local clock offset: 0.161 ms
Remote clock offset: -6.452 ms

Below is generated by plot.py at 2018-04-18 01:54:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.12 Mbit/s
95th percentile per-packet one-way delay: 121.858 ms
Loss rate: 14.87%
-- Flow 1:
Average throughput: 171.74 Mbit/s
95th percentile per-packet one-way delay: 112.269 ms
Loss rate: 12.31%
-- Flow 2:
Average throughput: 410.30 Mbit/s
95th percentile per-packet one-way delay: 129.306 ms
Loss rate: 16.53%
-- Flow 3:
Average throughput: 100.92 Mbit/s
95th percentile per-packet one-way delay: 27.788 ms
Loss rate: 13.81%

Run 6: Report of FillP — Data Link

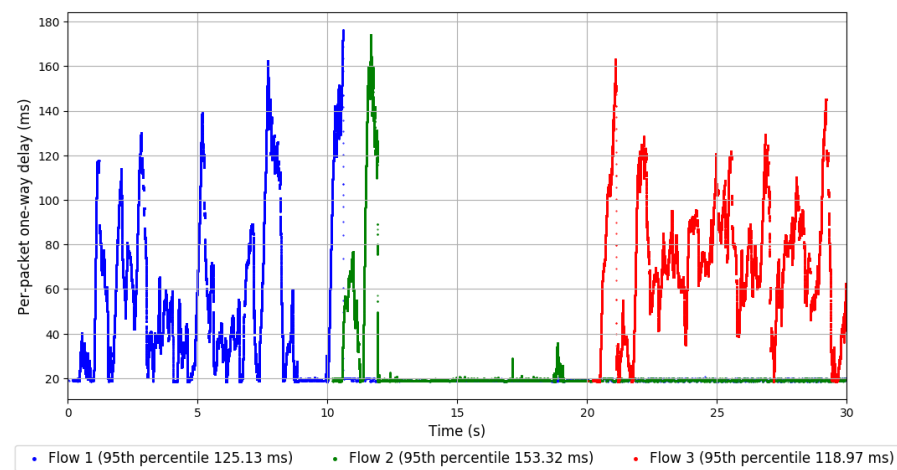
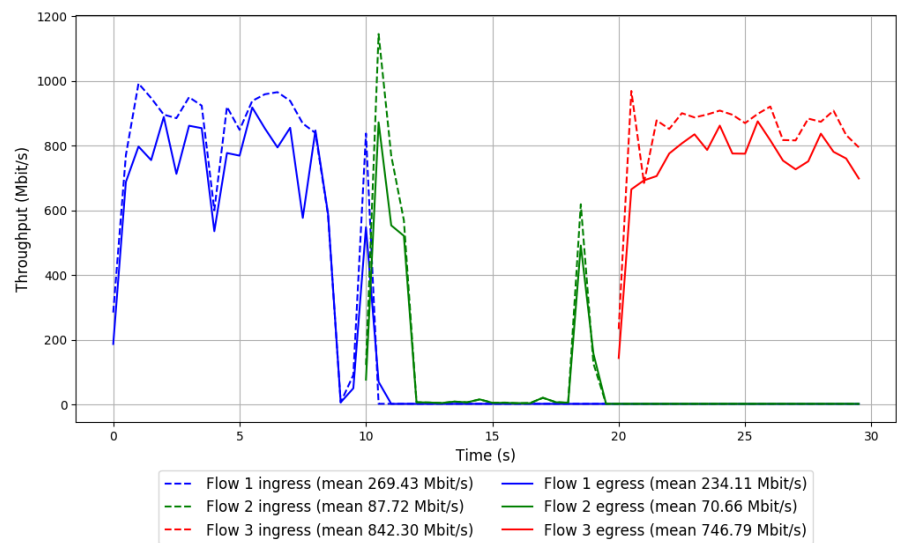


Run 7: Statistics of FillP

Start at: 2018-04-17 20:22:27
End at: 2018-04-17 20:22:57
Local clock offset: 0.184 ms
Remote clock offset: -6.158 ms

Below is generated by plot.py at 2018-04-18 01:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.74 Mbit/s
95th percentile per-packet one-way delay: 122.633 ms
Loss rate: 12.91%
-- Flow 1:
Average throughput: 234.11 Mbit/s
95th percentile per-packet one-way delay: 125.129 ms
Loss rate: 13.12%
-- Flow 2:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 153.318 ms
Loss rate: 19.45%
-- Flow 3:
Average throughput: 746.79 Mbit/s
95th percentile per-packet one-way delay: 118.975 ms
Loss rate: 11.33%

Run 7: Report of FillP — Data Link

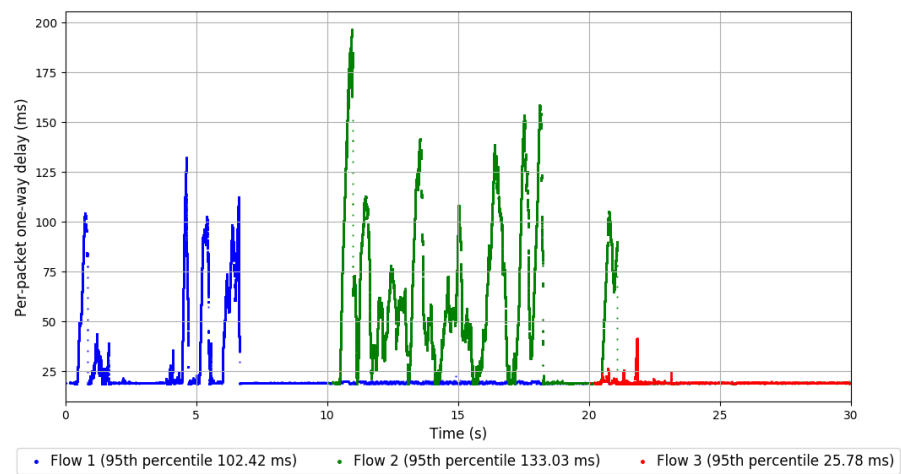
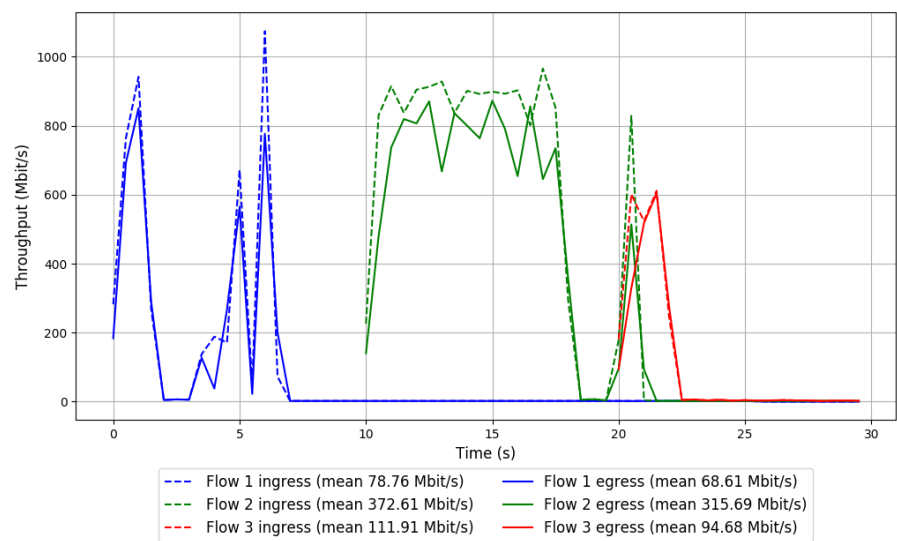


Run 8: Statistics of FillP

Start at: 2018-04-17 20:49:09
End at: 2018-04-17 20:49:39
Local clock offset: 0.124 ms
Remote clock offset: -5.185 ms

Below is generated by plot.py at 2018-04-18 01:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.05 Mbit/s
95th percentile per-packet one-way delay: 124.562 ms
Loss rate: 14.77%
-- Flow 1:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 102.423 ms
Loss rate: 12.88%
-- Flow 2:
Average throughput: 315.69 Mbit/s
95th percentile per-packet one-way delay: 133.028 ms
Loss rate: 15.28%
-- Flow 3:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 25.783 ms
Loss rate: 15.39%

Run 8: Report of FillP — Data Link

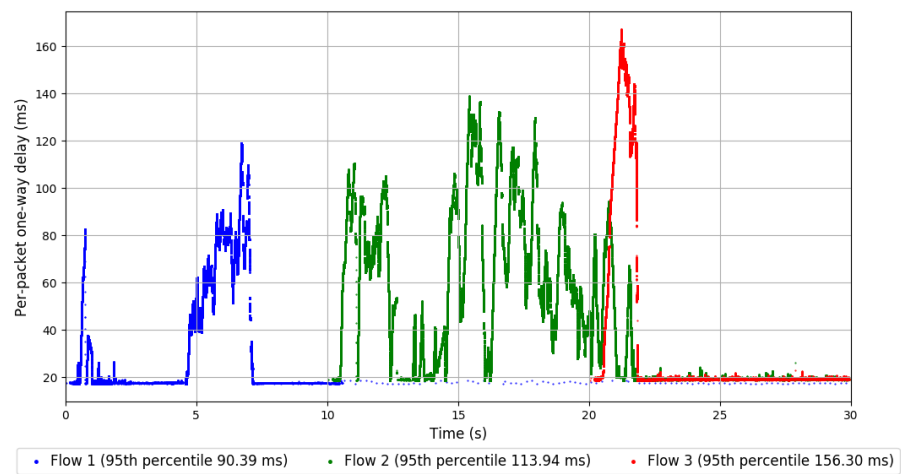
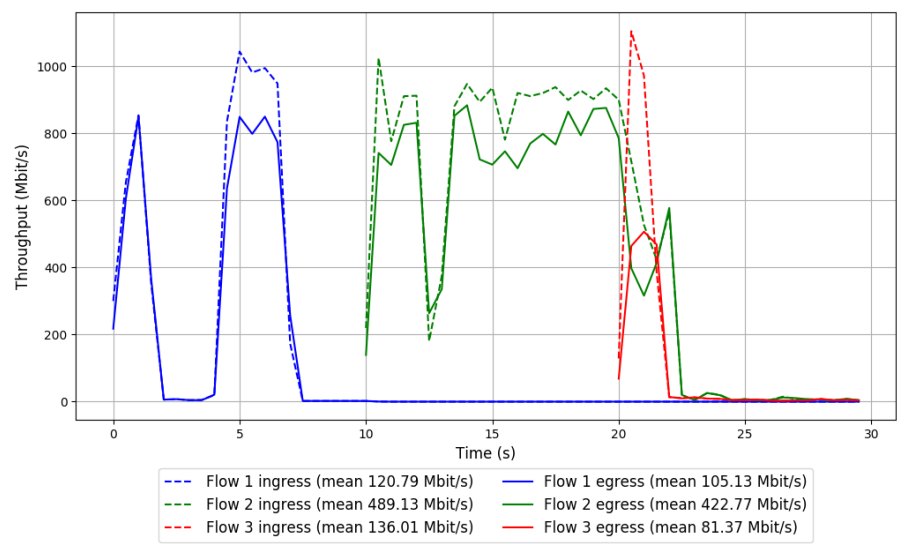


Run 9: Statistics of FillP

Start at: 2018-04-17 21:15:41
End at: 2018-04-17 21:16:11
Local clock offset: 0.284 ms
Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-04-18 01:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 412.73 Mbit/s
95th percentile per-packet one-way delay: 121.337 ms
Loss rate: 15.86%
-- Flow 1:
Average throughput: 105.13 Mbit/s
95th percentile per-packet one-way delay: 90.391 ms
Loss rate: 12.97%
-- Flow 2:
Average throughput: 422.77 Mbit/s
95th percentile per-packet one-way delay: 113.941 ms
Loss rate: 13.57%
-- Flow 3:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 156.304 ms
Loss rate: 40.17%

Run 9: Report of FillP — Data Link

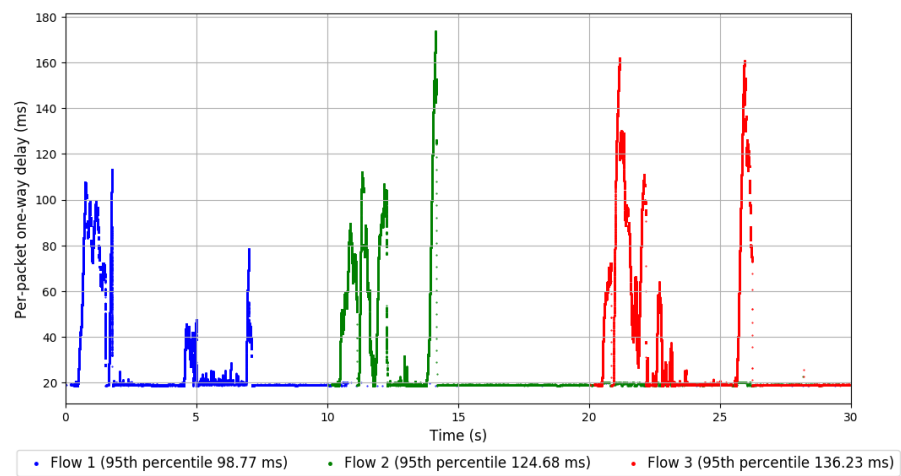
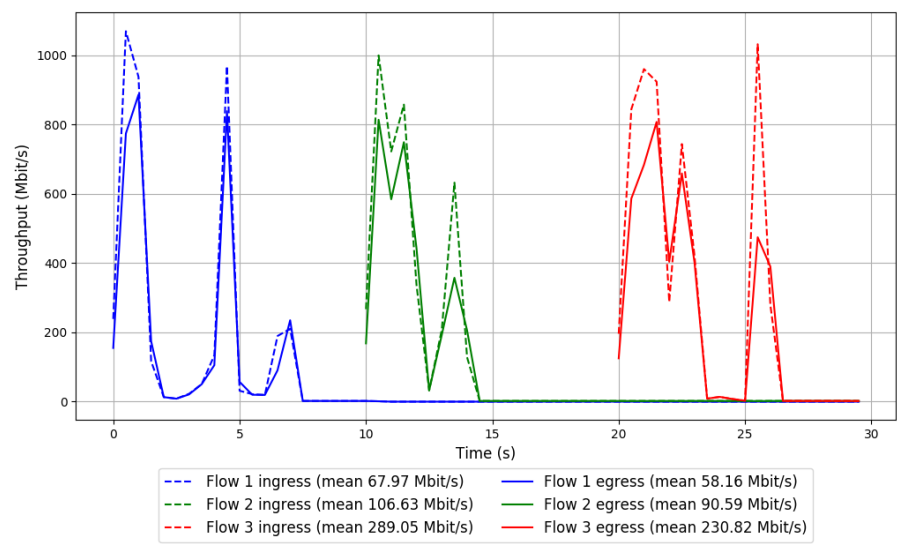


Run 10: Statistics of FillP

Start at: 2018-04-17 21:42:24
End at: 2018-04-17 21:42:54
Local clock offset: 0.472 ms
Remote clock offset: -5.571 ms

Below is generated by plot.py at 2018-04-18 01:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.65 Mbit/s
95th percentile per-packet one-way delay: 124.690 ms
Loss rate: 16.95%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 98.774 ms
Loss rate: 14.43%
-- Flow 2:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 124.682 ms
Loss rate: 15.04%
-- Flow 3:
Average throughput: 230.82 Mbit/s
95th percentile per-packet one-way delay: 136.233 ms
Loss rate: 20.15%

Run 10: Report of FillP — Data Link

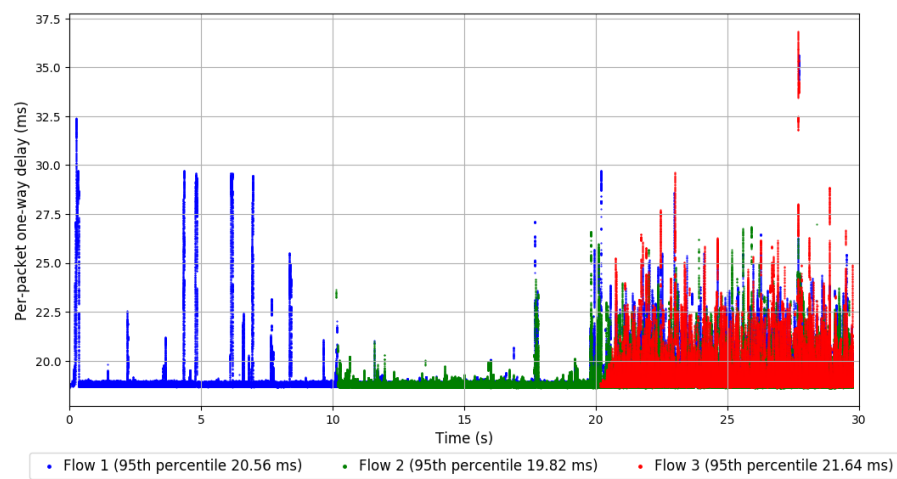
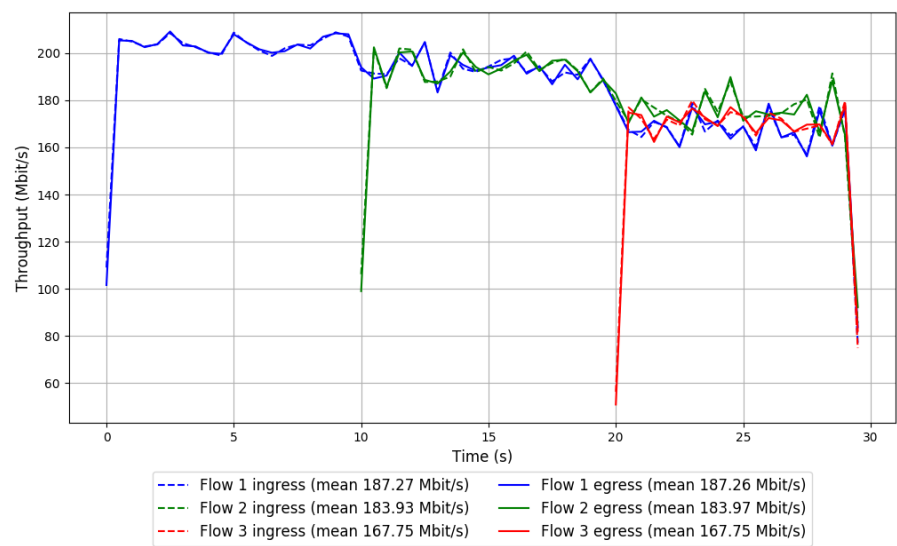


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 17:36:39
End at: 2018-04-17 17:37:09
Local clock offset: -0.106 ms
Remote clock offset: -5.591 ms

Below is generated by plot.py at 2018-04-18 01:58:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.59 Mbit/s
95th percentile per-packet one-way delay: 20.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.26 Mbit/s
95th percentile per-packet one-way delay: 20.564 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.97 Mbit/s
95th percentile per-packet one-way delay: 19.819 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 167.75 Mbit/s
95th percentile per-packet one-way delay: 21.643 ms
Loss rate: 0.00%

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

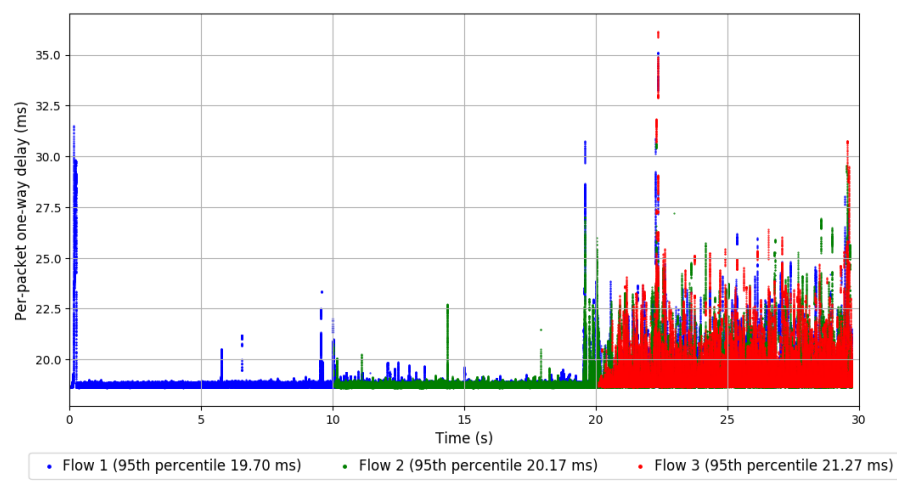
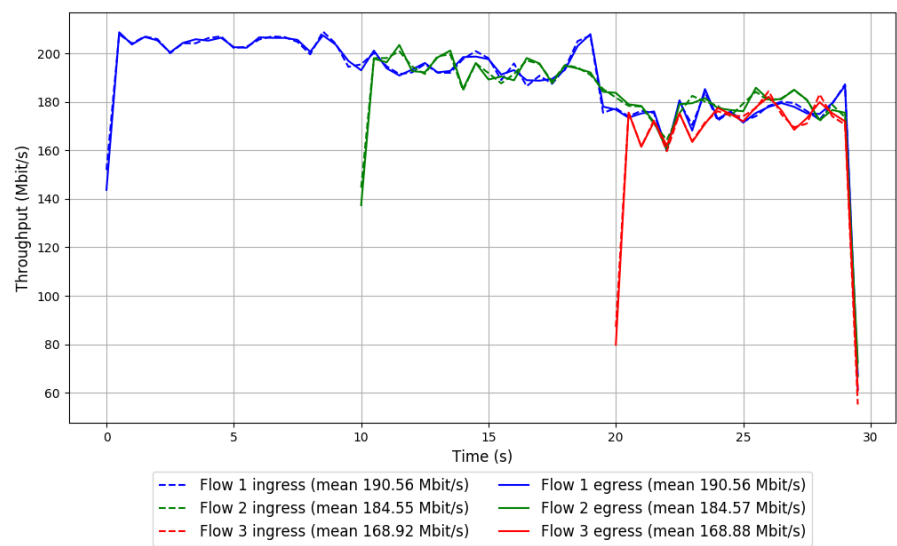


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 18:03:16
End at: 2018-04-17 18:03:46
Local clock offset: -0.033 ms
Remote clock offset: -4.702 ms

Below is generated by plot.py at 2018-04-18 01:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.64 Mbit/s
95th percentile per-packet one-way delay: 20.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.56 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.57 Mbit/s
95th percentile per-packet one-way delay: 20.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.88 Mbit/s
95th percentile per-packet one-way delay: 21.270 ms
Loss rate: 0.02%

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

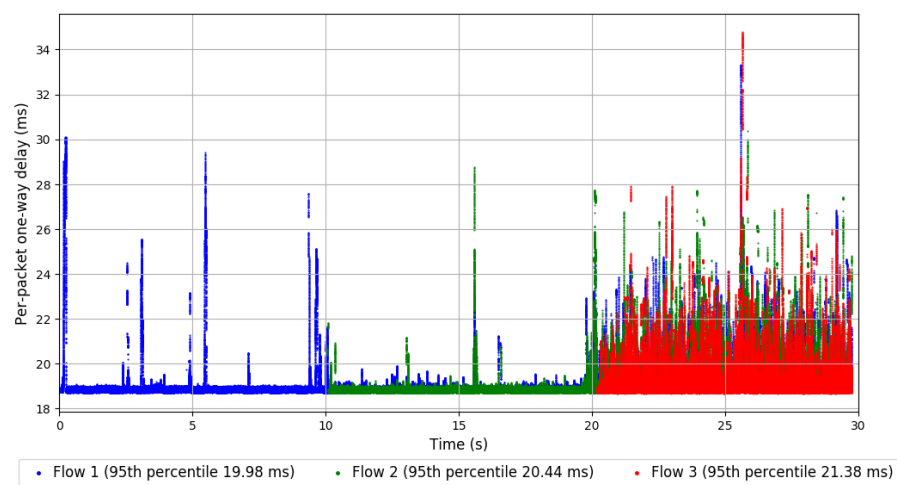
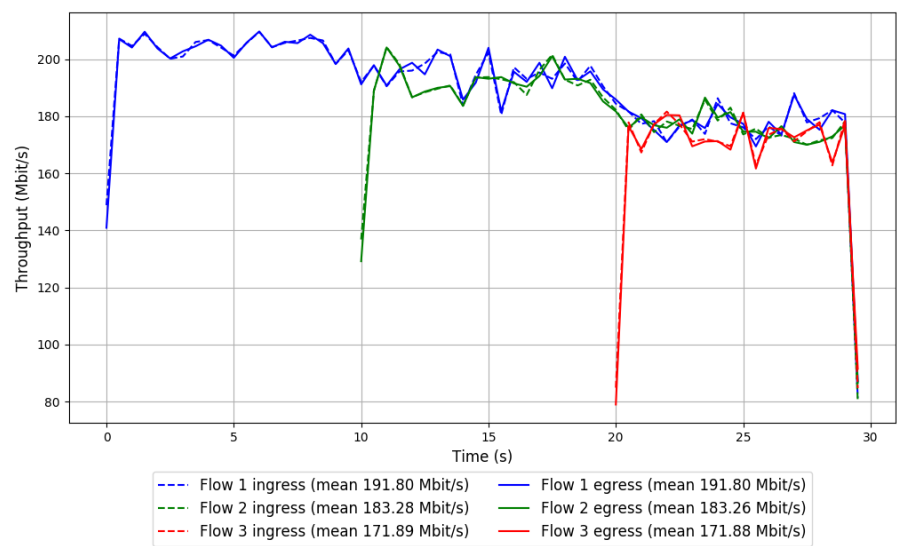


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 18:29:50
End at: 2018-04-17 18:30:20
Local clock offset: -0.124 ms
Remote clock offset: -5.123 ms

Below is generated by plot.py at 2018-04-18 01:58:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.56 Mbit/s
95th percentile per-packet one-way delay: 20.447 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.80 Mbit/s
95th percentile per-packet one-way delay: 19.981 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.26 Mbit/s
95th percentile per-packet one-way delay: 20.436 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 171.88 Mbit/s
95th percentile per-packet one-way delay: 21.379 ms
Loss rate: 0.01%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 18:56:32

End at: 2018-04-17 18:57:02

Local clock offset: 0.044 ms

Remote clock offset: -6.38 ms

Below is generated by plot.py at 2018-04-18 01:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.17 Mbit/s

95th percentile per-packet one-way delay: 19.949 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 190.41 Mbit/s

95th percentile per-packet one-way delay: 18.185 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 183.25 Mbit/s

95th percentile per-packet one-way delay: 20.818 ms

Loss rate: 0.00%

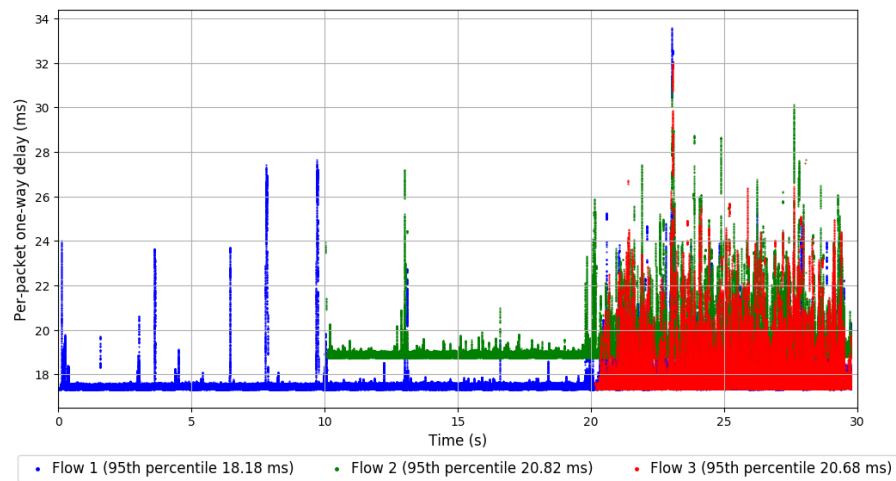
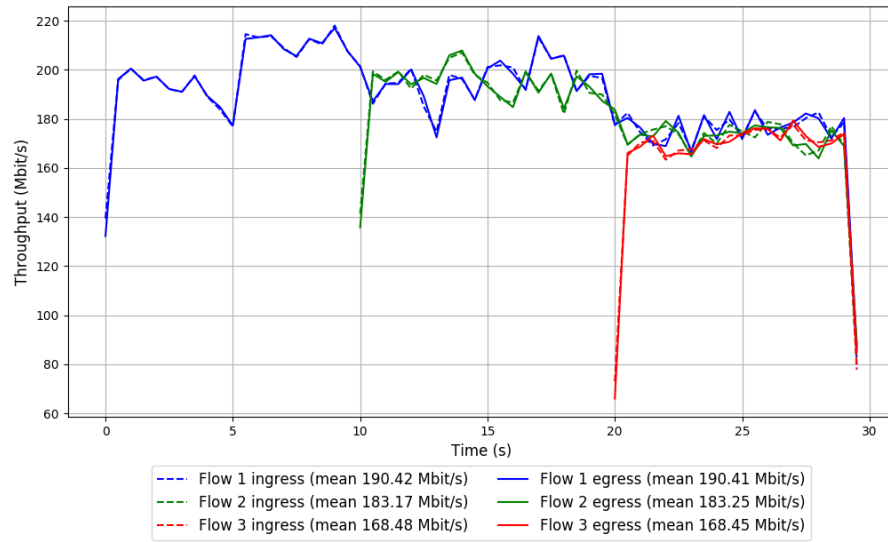
-- Flow 3:

Average throughput: 168.45 Mbit/s

95th percentile per-packet one-way delay: 20.683 ms

Loss rate: 0.01%

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

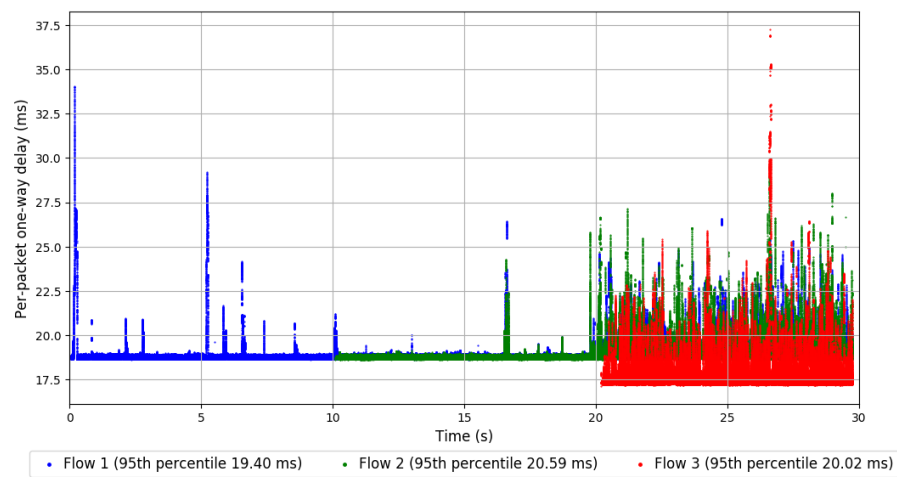
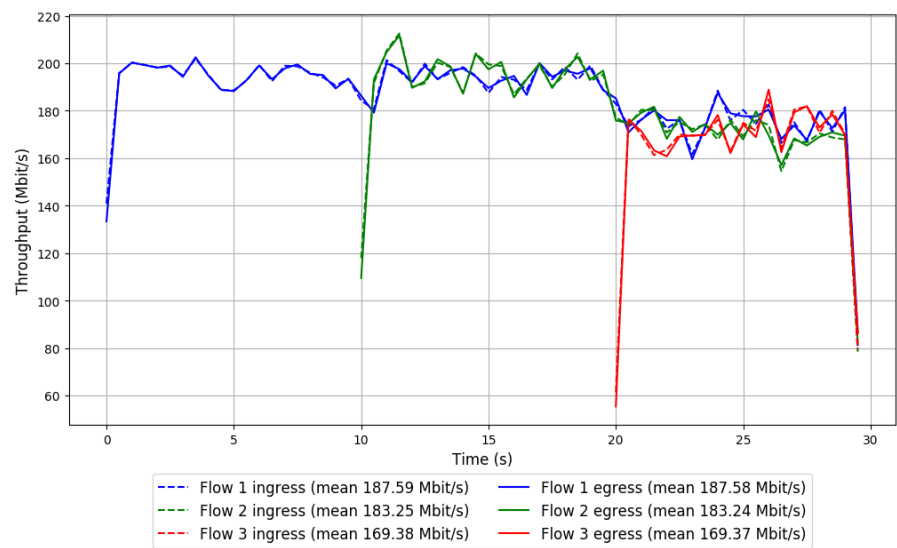


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 19:23:18
End at: 2018-04-17 19:23:48
Local clock offset: 0.105 ms
Remote clock offset: -6.498 ms

Below is generated by plot.py at 2018-04-18 01:59:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.11 Mbit/s
95th percentile per-packet one-way delay: 19.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.24 Mbit/s
95th percentile per-packet one-way delay: 20.591 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.37 Mbit/s
95th percentile per-packet one-way delay: 20.025 ms
Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 19:49:43

End at: 2018-04-17 19:50:13

Local clock offset: 0.193 ms

Remote clock offset: -6.52 ms

Below is generated by plot.py at 2018-04-18 02:00:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.18 Mbit/s

95th percentile per-packet one-way delay: 20.427 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.30 Mbit/s

95th percentile per-packet one-way delay: 20.390 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 179.24 Mbit/s

95th percentile per-packet one-way delay: 19.746 ms

Loss rate: 0.00%

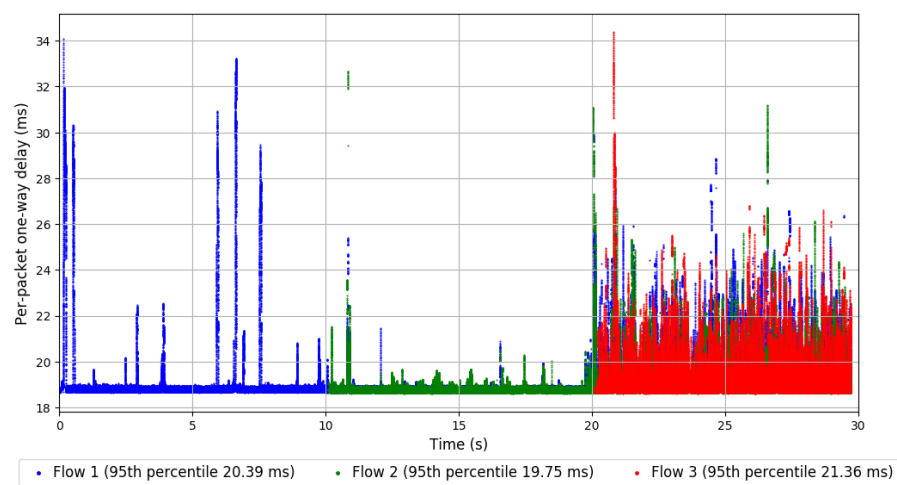
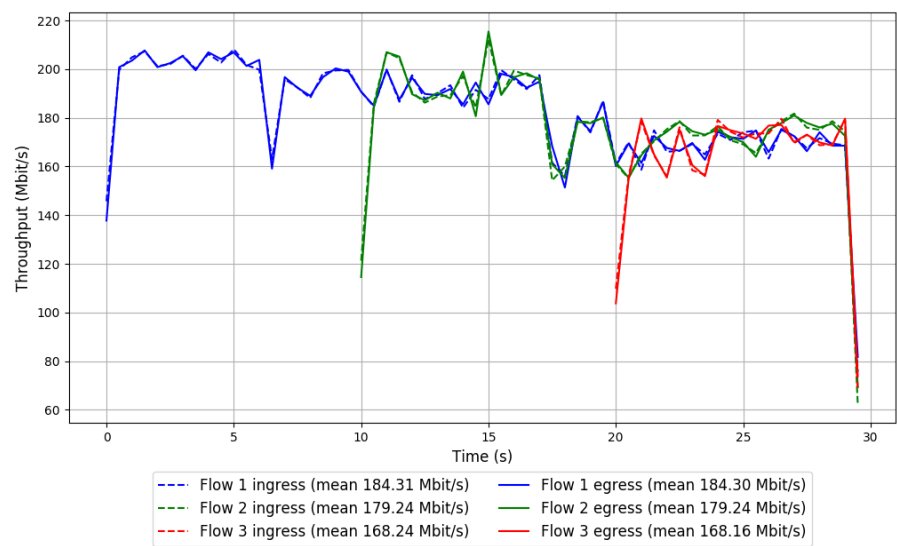
-- Flow 3:

Average throughput: 168.16 Mbit/s

95th percentile per-packet one-way delay: 21.355 ms

Loss rate: 0.01%

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

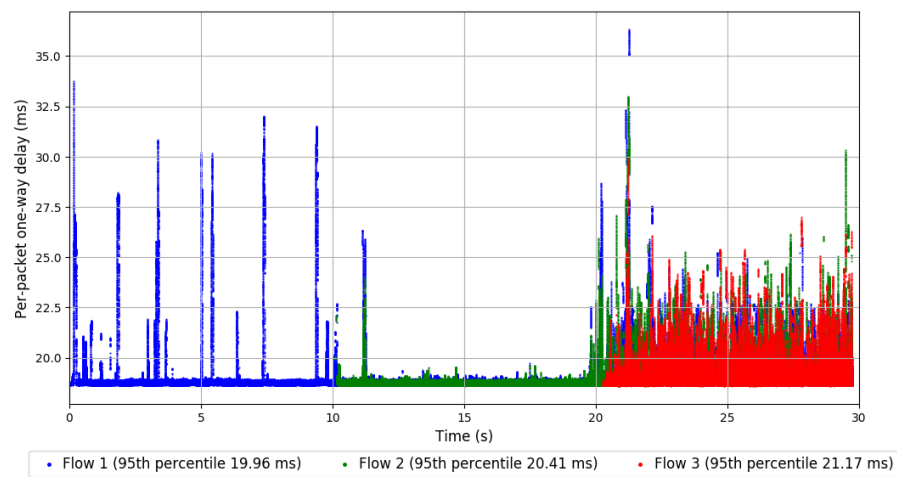
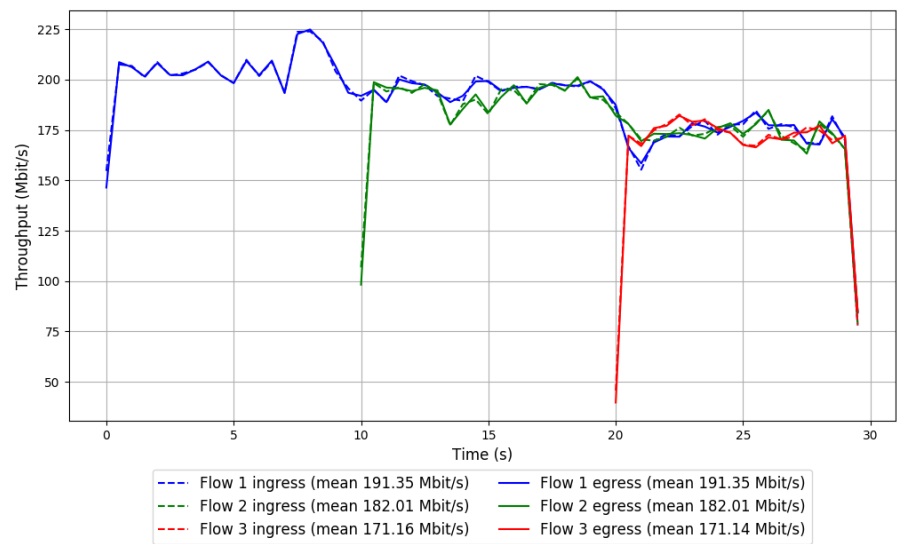


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 20:16:23
End at: 2018-04-17 20:16:53
Local clock offset: 0.156 ms
Remote clock offset: -6.475 ms

Below is generated by plot.py at 2018-04-18 02:01:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.20 Mbit/s
95th percentile per-packet one-way delay: 20.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.35 Mbit/s
95th percentile per-packet one-way delay: 19.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.01 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.14 Mbit/s
95th percentile per-packet one-way delay: 21.166 ms
Loss rate: 0.01%

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

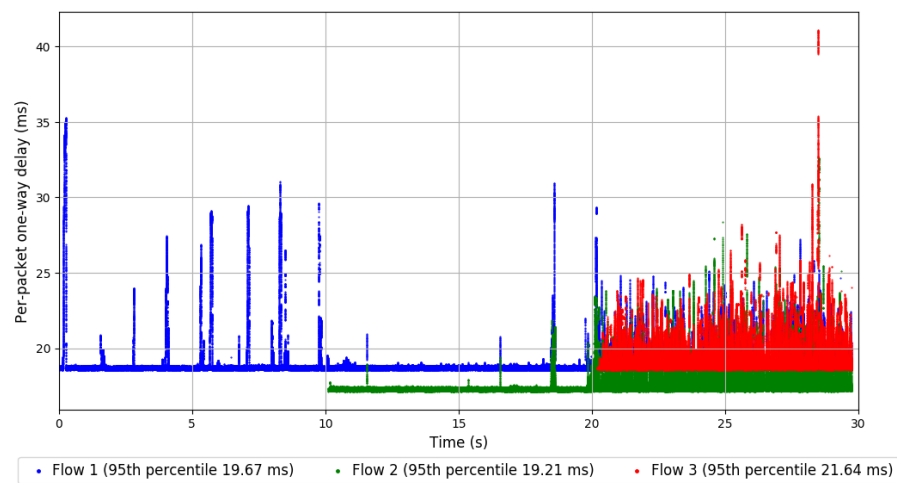
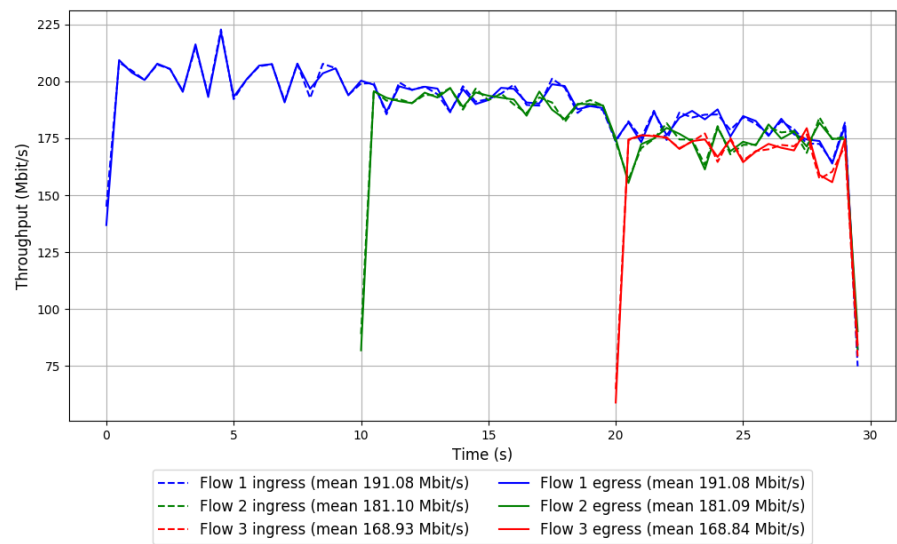


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 20:43:05
End at: 2018-04-17 20:43:35
Local clock offset: 0.212 ms
Remote clock offset: -5.319 ms

Below is generated by plot.py at 2018-04-18 02:02:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.75 Mbit/s
95th percentile per-packet one-way delay: 20.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.08 Mbit/s
95th percentile per-packet one-way delay: 19.674 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.84 Mbit/s
95th percentile per-packet one-way delay: 21.637 ms
Loss rate: 0.00%

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

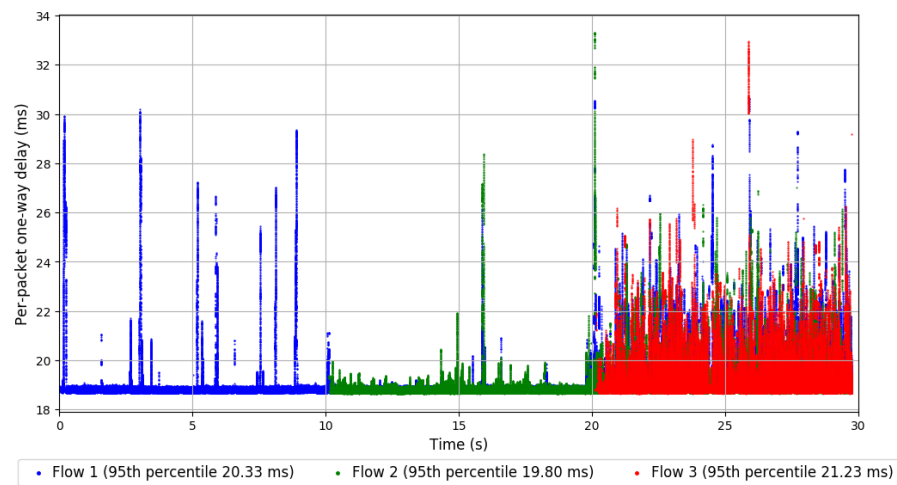
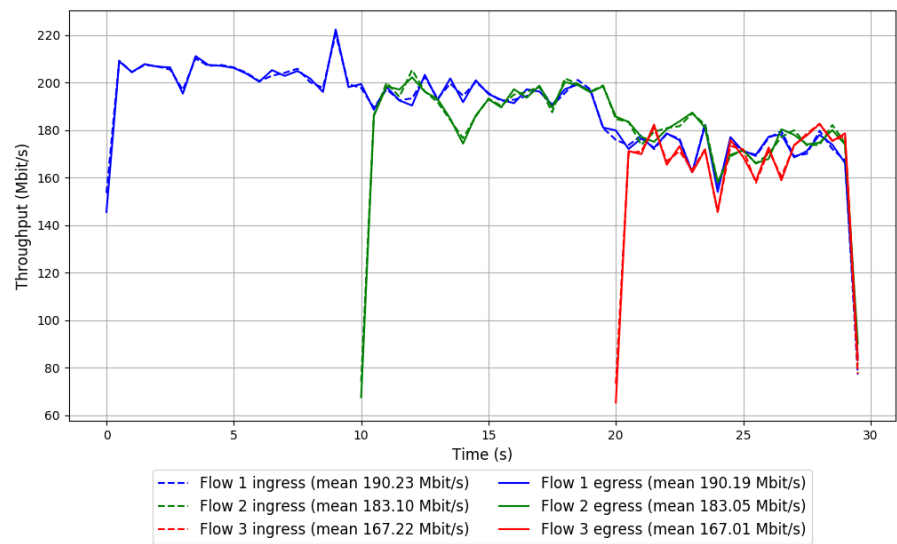


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 21:09:37
End at: 2018-04-17 21:10:07
Local clock offset: 0.324 ms
Remote clock offset: -6.221 ms

Below is generated by plot.py at 2018-04-18 02:03:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.87 Mbit/s
95th percentile per-packet one-way delay: 20.382 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 190.19 Mbit/s
95th percentile per-packet one-way delay: 20.326 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.05 Mbit/s
95th percentile per-packet one-way delay: 19.795 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 167.01 Mbit/s
95th percentile per-packet one-way delay: 21.233 ms
Loss rate: 0.04%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 21:36:18

End at: 2018-04-17 21:36:48

Local clock offset: 0.421 ms

Remote clock offset: -5.81 ms

Below is generated by plot.py at 2018-04-18 02:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.33 Mbit/s

95th percentile per-packet one-way delay: 20.206 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 190.99 Mbit/s

95th percentile per-packet one-way delay: 19.800 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.19 Mbit/s

95th percentile per-packet one-way delay: 20.085 ms

Loss rate: 0.00%

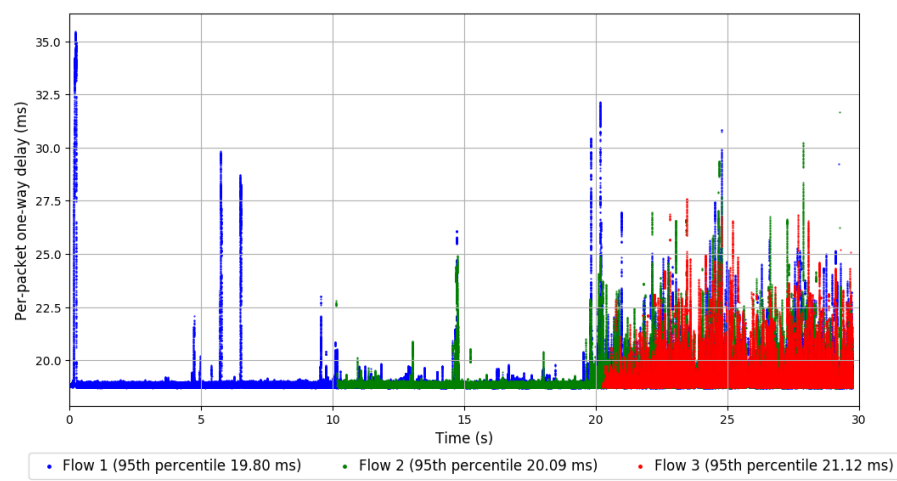
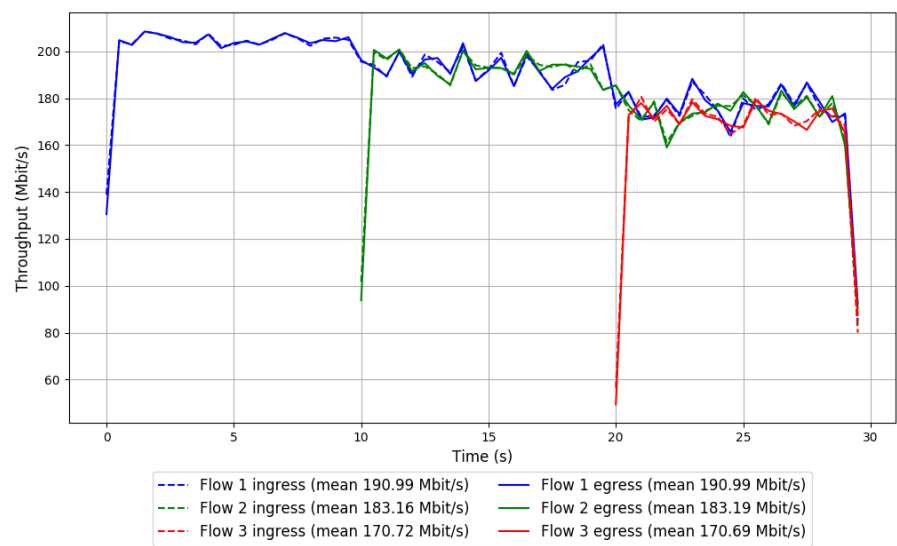
-- Flow 3:

Average throughput: 170.69 Mbit/s

95th percentile per-packet one-way delay: 21.118 ms

Loss rate: 0.01%

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

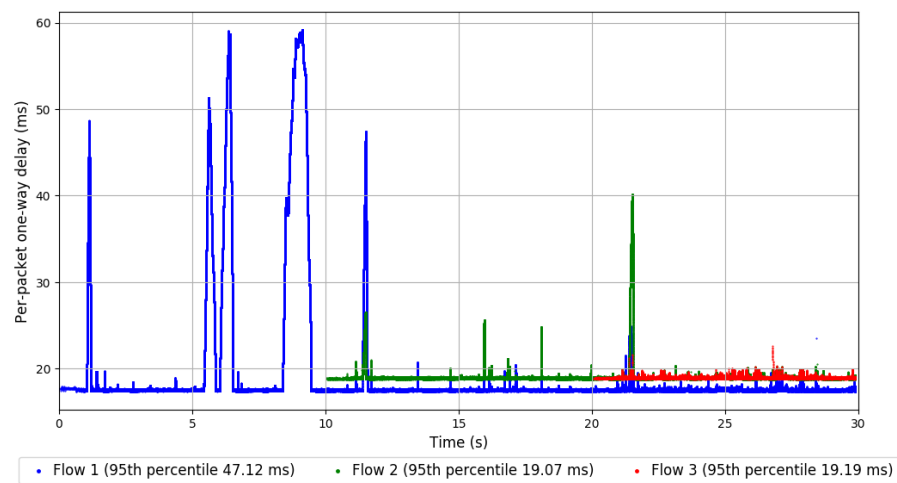
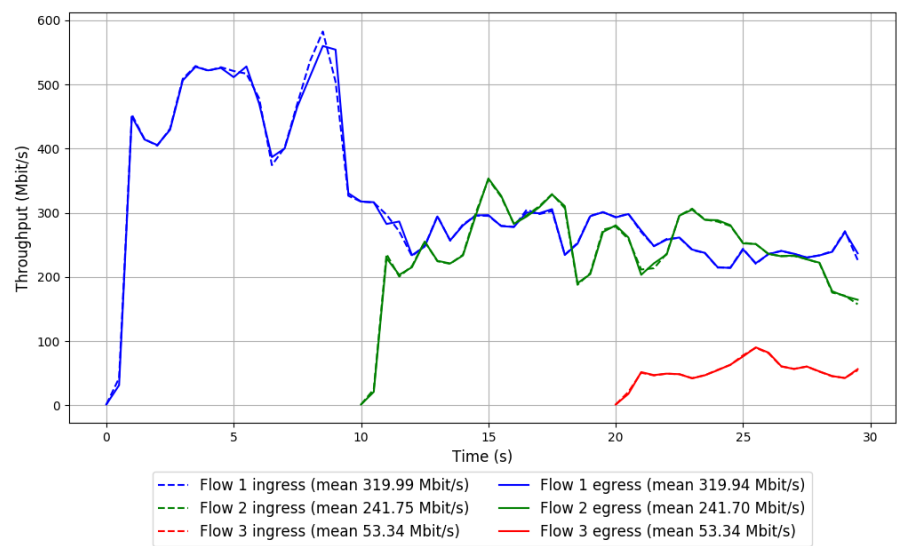


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 17:40:55
End at: 2018-04-17 17:41:25
Local clock offset: -0.103 ms
Remote clock offset: -5.257 ms

Below is generated by plot.py at 2018-04-18 02:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 498.16 Mbit/s
95th percentile per-packet one-way delay: 38.388 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 319.94 Mbit/s
95th percentile per-packet one-way delay: 47.117 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 241.70 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

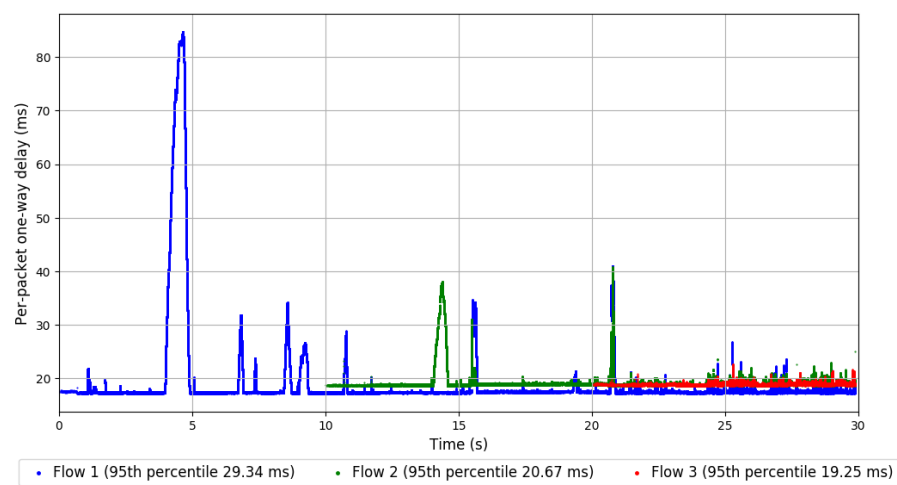
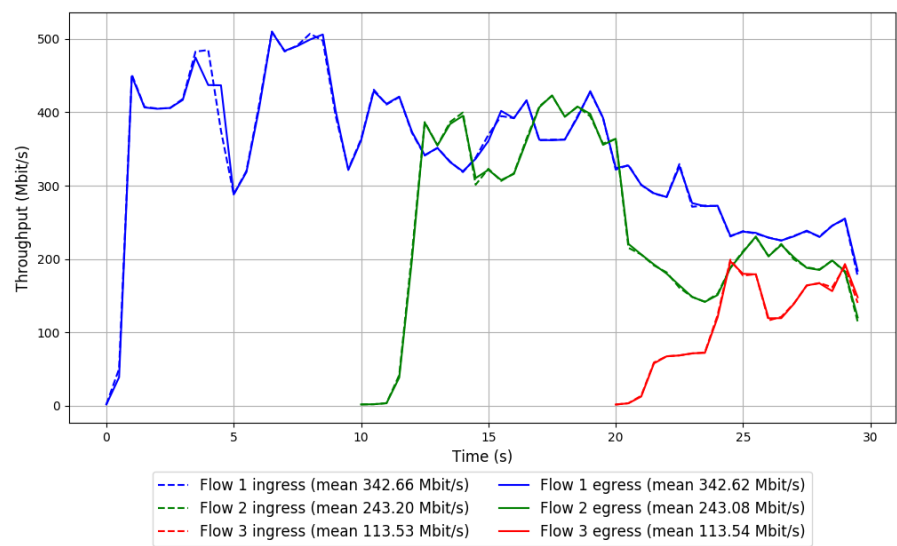


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 18:07:35
End at: 2018-04-17 18:08:05
Local clock offset: -0.001 ms
Remote clock offset: -4.884 ms

Below is generated by plot.py at 2018-04-18 02:07:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 541.62 Mbit/s
95th percentile per-packet one-way delay: 25.929 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 342.62 Mbit/s
95th percentile per-packet one-way delay: 29.339 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 243.08 Mbit/s
95th percentile per-packet one-way delay: 20.674 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 113.54 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link

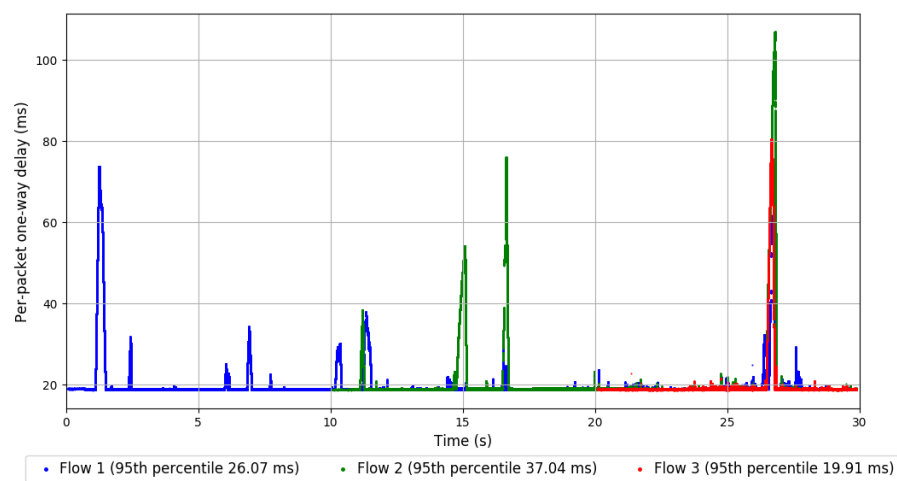
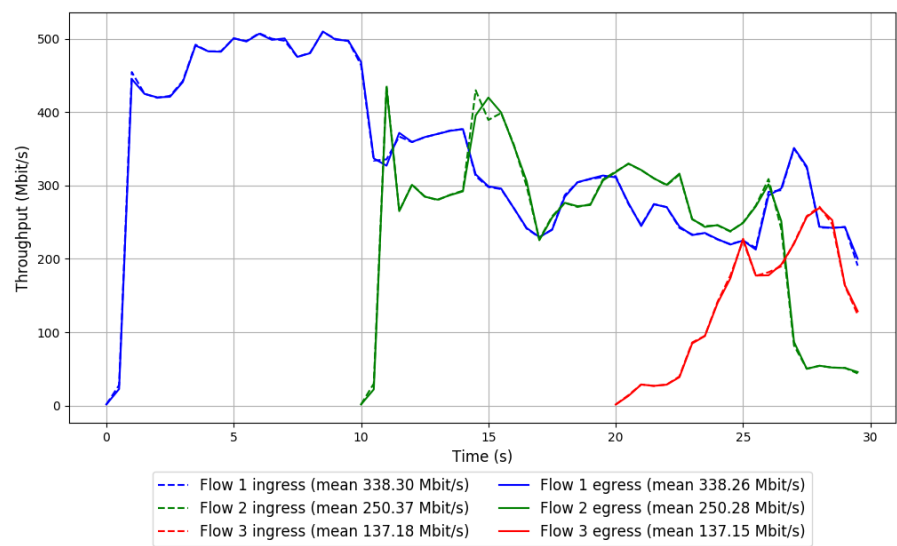


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 18:34:09
End at: 2018-04-17 18:34:39
Local clock offset: 0.027 ms
Remote clock offset: -4.994 ms

Below is generated by plot.py at 2018-04-18 02:08:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.80 Mbit/s
95th percentile per-packet one-way delay: 27.680 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 338.26 Mbit/s
95th percentile per-packet one-way delay: 26.066 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 250.28 Mbit/s
95th percentile per-packet one-way delay: 37.037 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.15 Mbit/s
95th percentile per-packet one-way delay: 19.906 ms
Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link

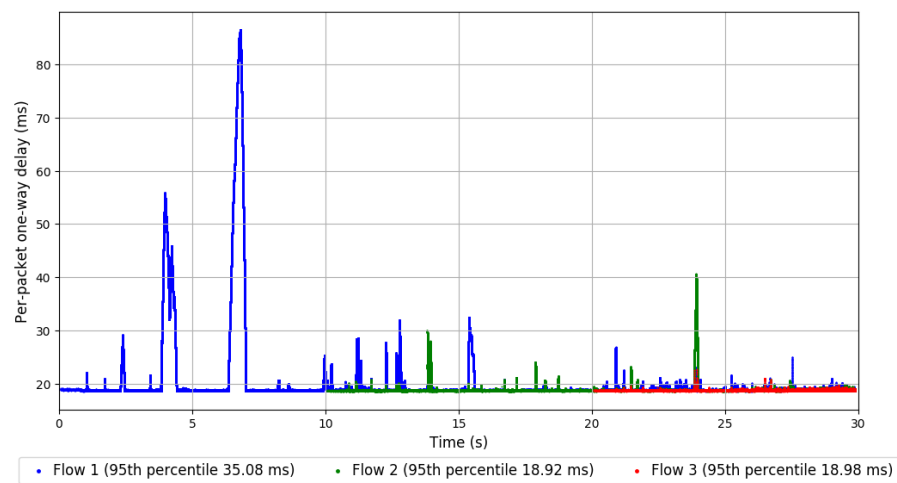
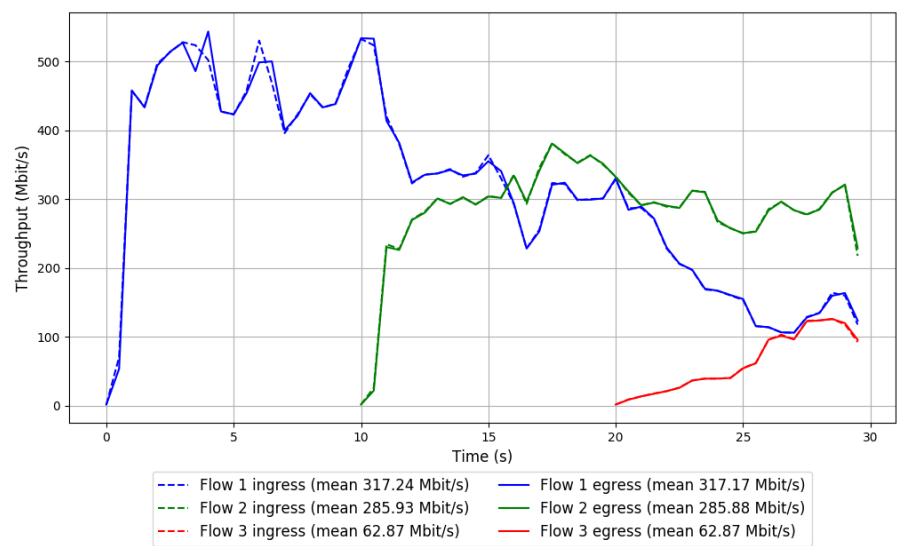


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 19:00:51
End at: 2018-04-17 19:01:21
Local clock offset: 0.163 ms
Remote clock offset: -6.543 ms

Below is generated by plot.py at 2018-04-18 02:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 527.95 Mbit/s
95th percentile per-packet one-way delay: 24.927 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 317.17 Mbit/s
95th percentile per-packet one-way delay: 35.082 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 285.88 Mbit/s
95th percentile per-packet one-way delay: 18.923 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

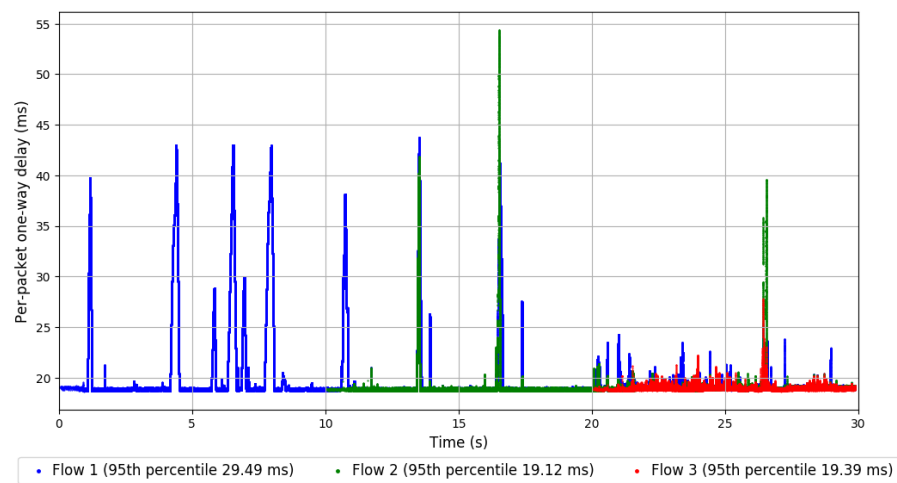
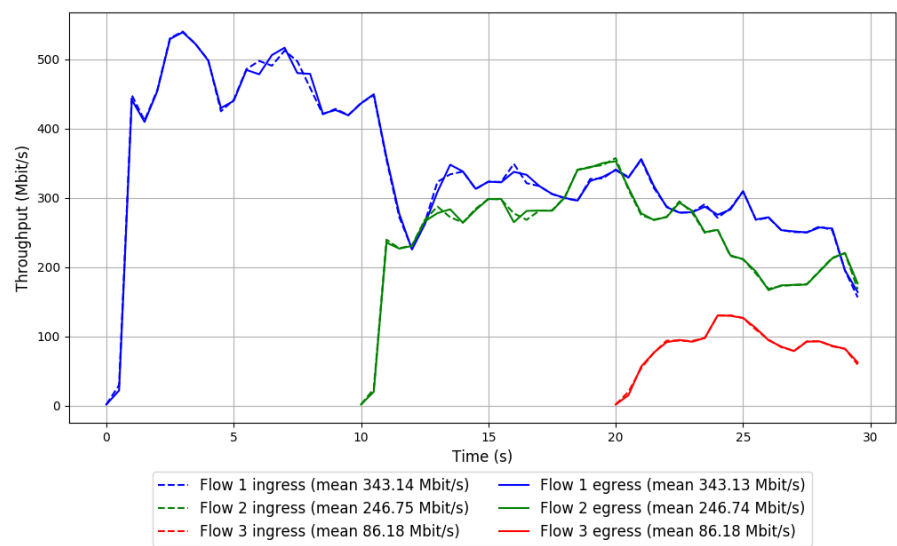


Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 19:27:28
End at: 2018-04-17 19:27:58
Local clock offset: 0.069 ms
Remote clock offset: -6.469 ms

Below is generated by plot.py at 2018-04-18 02:09:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 535.50 Mbit/s
95th percentile per-packet one-way delay: 24.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.13 Mbit/s
95th percentile per-packet one-way delay: 29.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 246.74 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

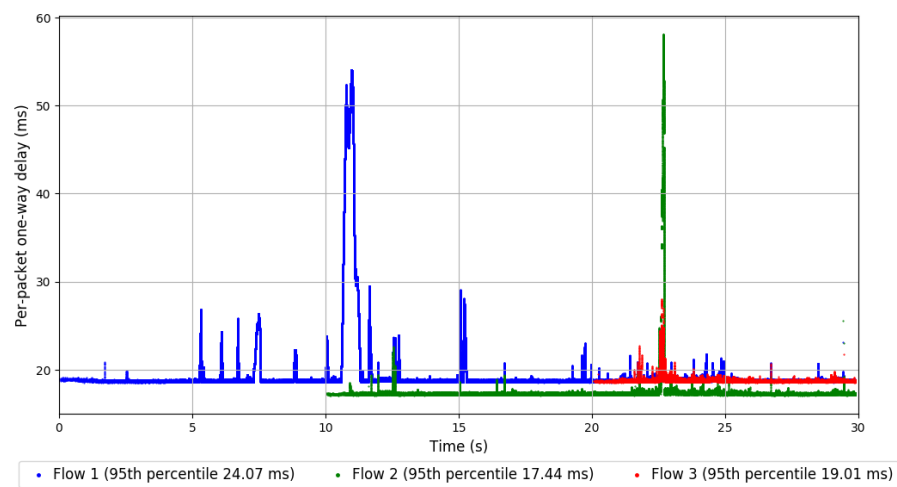
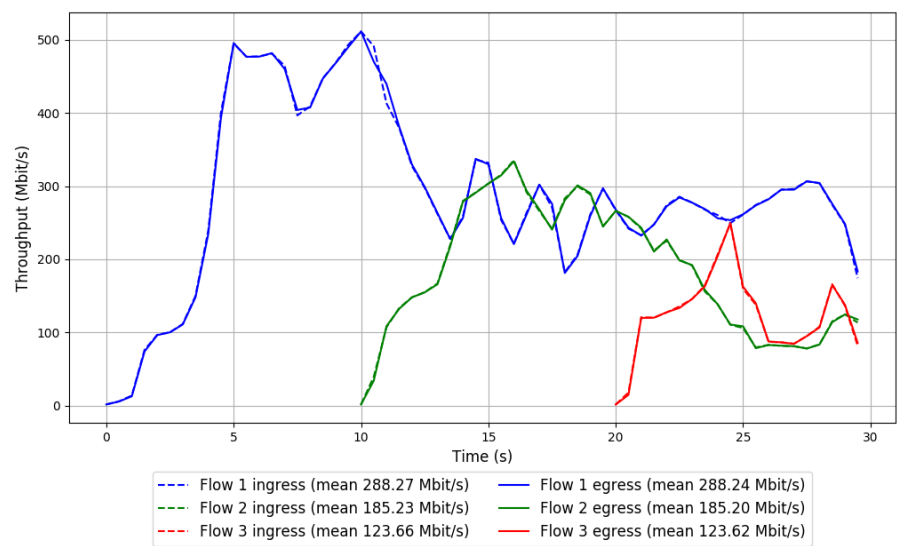


Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 19:54:02
End at: 2018-04-17 19:54:32
Local clock offset: 0.173 ms
Remote clock offset: -6.533 ms

Below is generated by plot.py at 2018-04-18 02:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.06 Mbit/s
95th percentile per-packet one-way delay: 21.270 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 288.24 Mbit/s
95th percentile per-packet one-way delay: 24.072 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 185.20 Mbit/s
95th percentile per-packet one-way delay: 17.444 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 123.62 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.03%

Run 6: Report of PCC-Vivace — Data Link

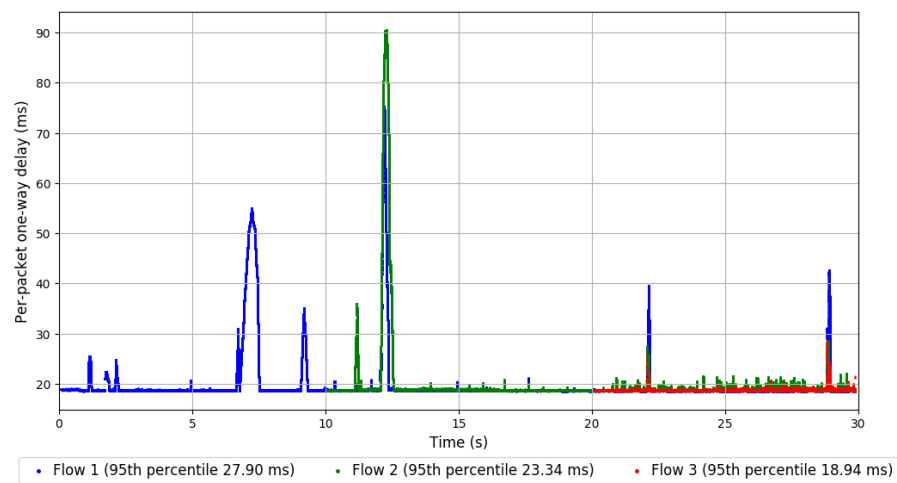
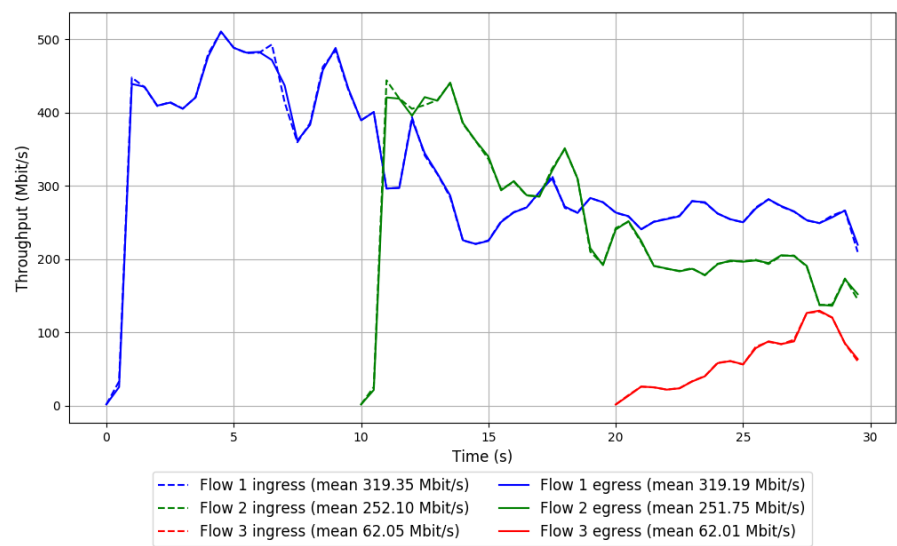


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 20:20:42
End at: 2018-04-17 20:21:12
Local clock offset: 0.173 ms
Remote clock offset: -6.374 ms

Below is generated by plot.py at 2018-04-18 02:10:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.97 Mbit/s
95th percentile per-packet one-way delay: 25.831 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 319.19 Mbit/s
95th percentile per-packet one-way delay: 27.896 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 251.75 Mbit/s
95th percentile per-packet one-way delay: 23.341 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 18.942 ms
Loss rate: 0.07%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 20:47:24

End at: 2018-04-17 20:47:54

Local clock offset: 0.127 ms

Remote clock offset: -5.26 ms

Below is generated by plot.py at 2018-04-18 02:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.60 Mbit/s

95th percentile per-packet one-way delay: 22.440 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 263.91 Mbit/s

95th percentile per-packet one-way delay: 22.209 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 251.75 Mbit/s

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

Loss rate: 0.12%

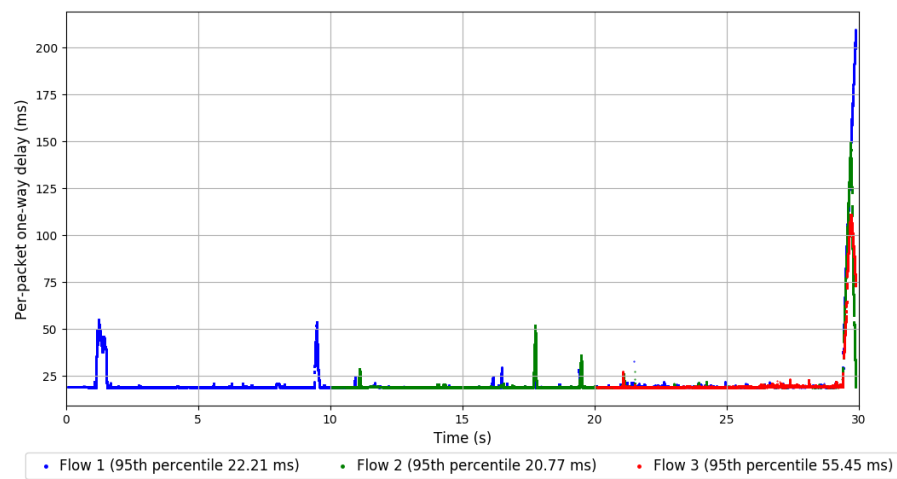
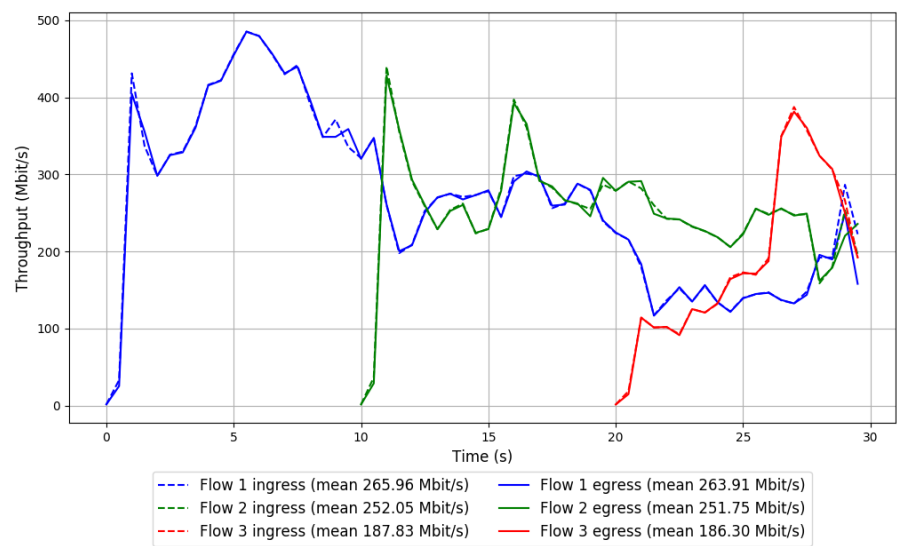
-- Flow 3:

Average throughput: 186.30 Mbit/s

95th percentile per-packet one-way delay: 55.445 ms

Loss rate: 0.81%

Run 8: Report of PCC-Vivace — Data Link

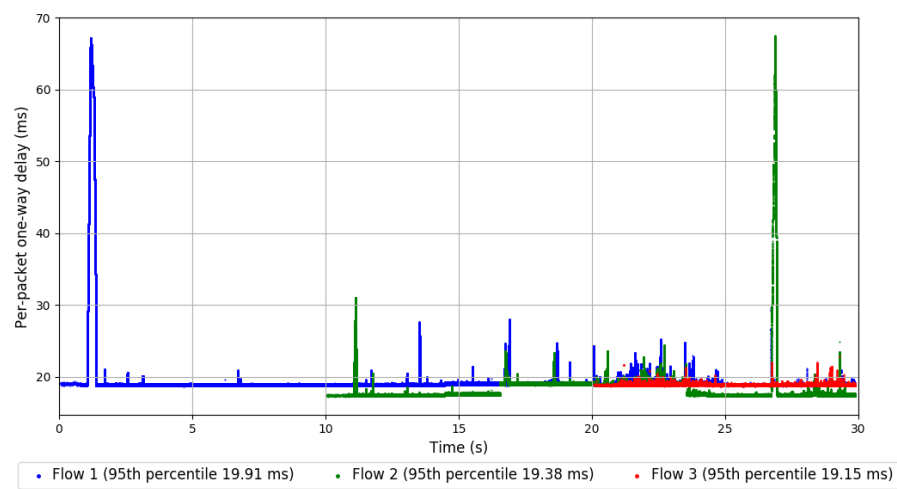
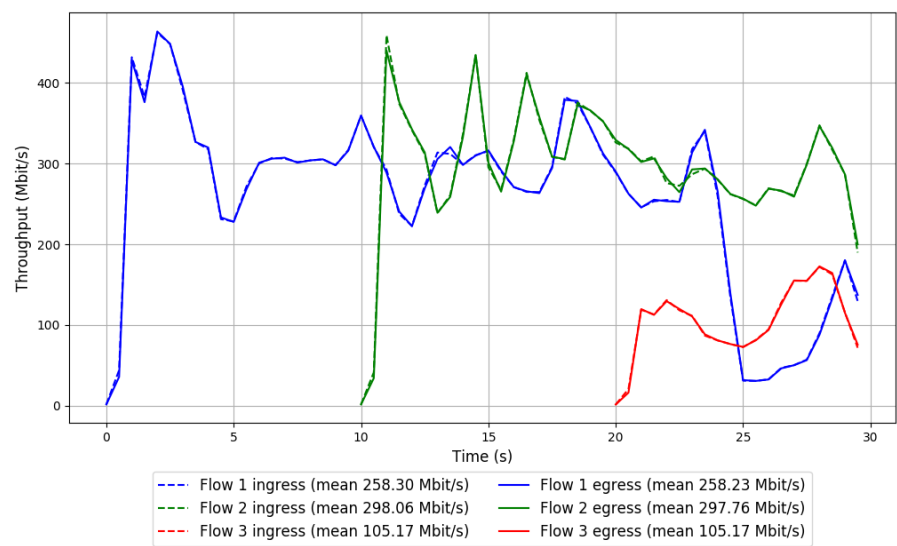


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 21:13:56
End at: 2018-04-17 21:14:26
Local clock offset: 0.265 ms
Remote clock offset: -6.317 ms

Below is generated by plot.py at 2018-04-18 02:11:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.78 Mbit/s
95th percentile per-packet one-way delay: 19.541 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 258.23 Mbit/s
95th percentile per-packet one-way delay: 19.910 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 297.76 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 105.17 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 21:40:37

End at: 2018-04-17 21:41:07

Local clock offset: 0.533 ms

Remote clock offset: -5.66 ms

Below is generated by plot.py at 2018-04-18 02:11:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 529.03 Mbit/s

95th percentile per-packet one-way delay: 32.088 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 335.09 Mbit/s

95th percentile per-packet one-way delay: 39.621 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 249.95 Mbit/s

95th percentile per-packet one-way delay: 21.906 ms

Loss rate: 0.05%

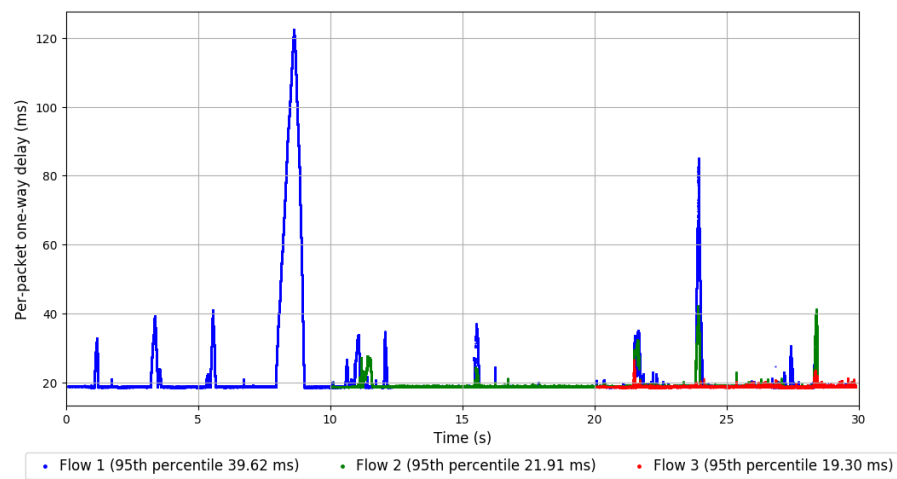
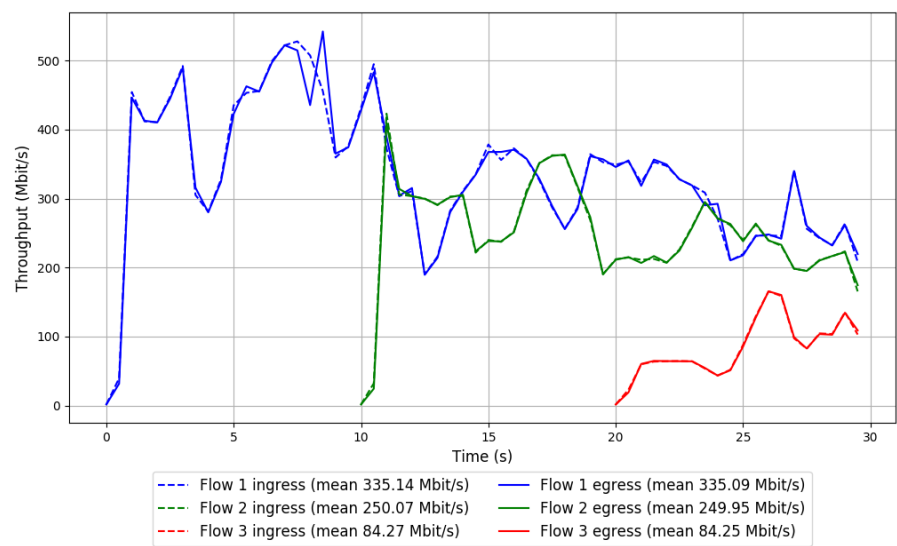
-- Flow 3:

Average throughput: 84.25 Mbit/s

95th percentile per-packet one-way delay: 19.302 ms

Loss rate: 0.02%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 17:30:15

End at: 2018-04-17 17:30:45

Local clock offset: -0.023 ms

Remote clock offset: -6.098 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 17:56:56

End at: 2018-04-17 17:57:26

Local clock offset: -0.108 ms

Remote clock offset: -4.762 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 18:23:35

End at: 2018-04-17 18:24:05

Local clock offset: -0.149 ms

Remote clock offset: -5.13 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 18:50:10

End at: 2018-04-17 18:50:40

Local clock offset: 0.109 ms

Remote clock offset: -6.15 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 19:16:56

End at: 2018-04-17 19:17:26

Local clock offset: 0.075 ms

Remote clock offset: -6.572 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 19:43:22

End at: 2018-04-17 19:43:52

Local clock offset: 0.132 ms

Remote clock offset: -6.605 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 20:10:00

End at: 2018-04-17 20:10:30

Local clock offset: -0.015 ms

Remote clock offset: -6.47 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 20:36:40

End at: 2018-04-17 20:37:10

Local clock offset: 0.118 ms

Remote clock offset: -5.416 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 21:03:12

End at: 2018-04-17 21:03:42

Local clock offset: 0.309 ms

Remote clock offset: -5.927 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 21:29:55

End at: 2018-04-17 21:30:25

Local clock offset: 0.47 ms

Remote clock offset: -6.296 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing