

Pantheon Report

Generated at 2018-04-25 00:31:15 (UTC).

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

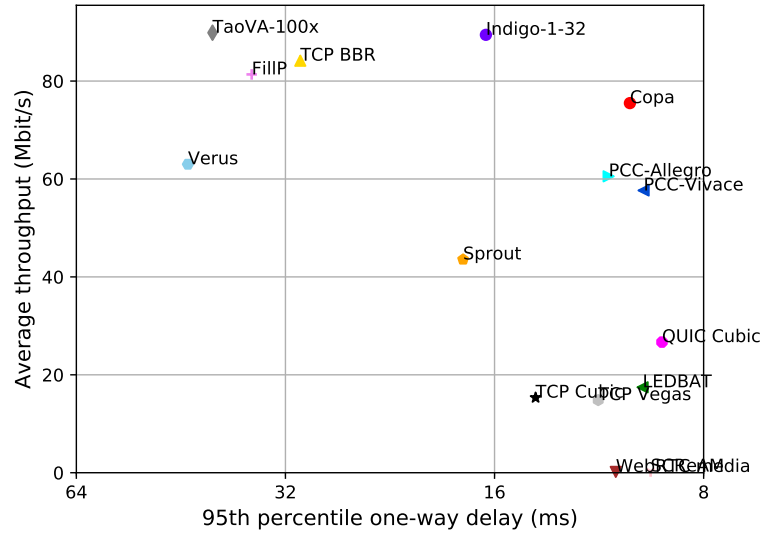
NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

Git summary:

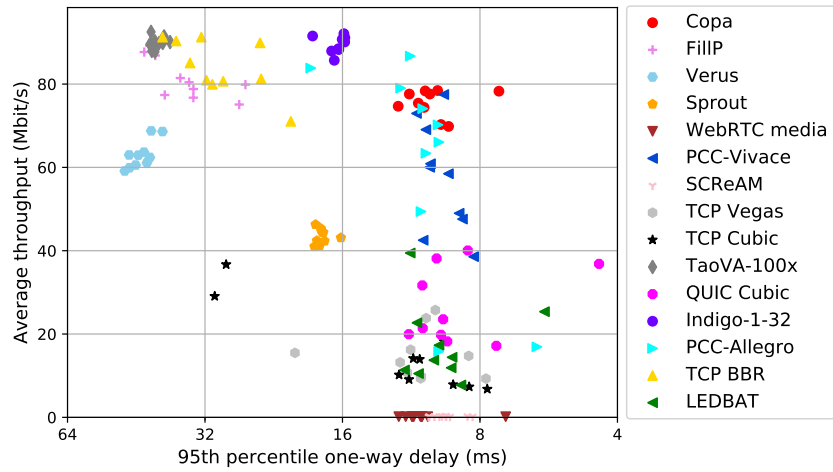
```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ 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 India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



Run 1: Statistics of TCP BBR

Start at: 2018-04-24 20:38:29

End at: 2018-04-24 20:38:59

Local clock offset: 0.211 ms

Remote clock offset: -9.81 ms

Below is generated by plot.py at 2018-04-25 00:14:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 20.758 ms

Loss rate: 12.90%

-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 13.474 ms

Loss rate: 12.46%

-- Flow 2:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 29.052 ms

Loss rate: 14.13%

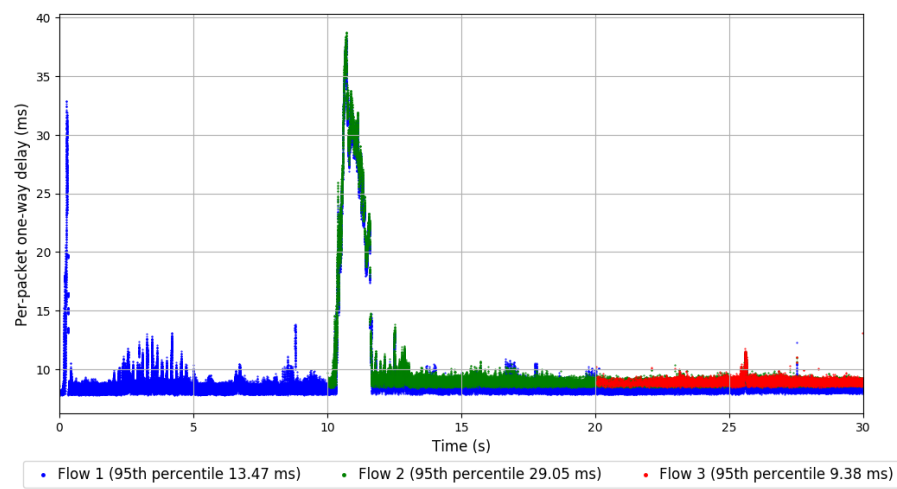
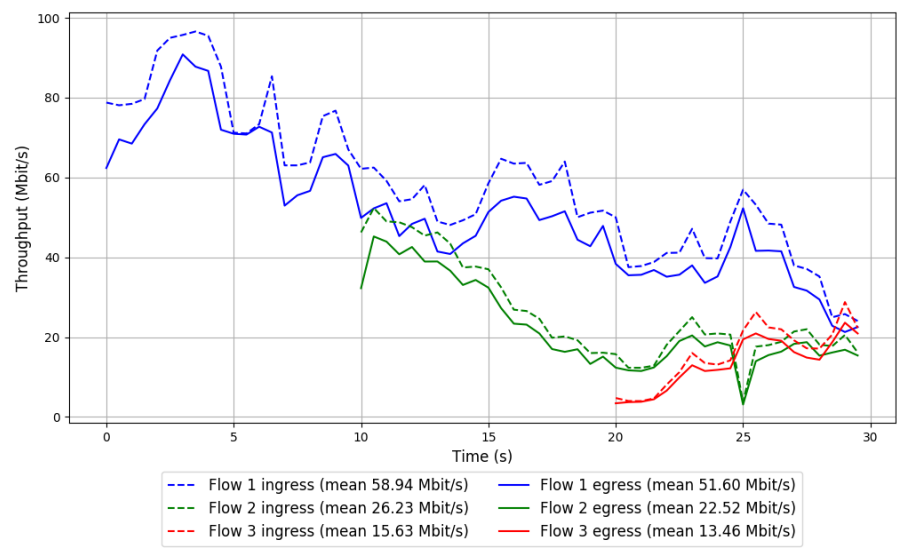
-- Flow 3:

Average throughput: 13.46 Mbit/s

95th percentile per-packet one-way delay: 9.377 ms

Loss rate: 13.85%

Run 1: Report of TCP BBR — Data Link

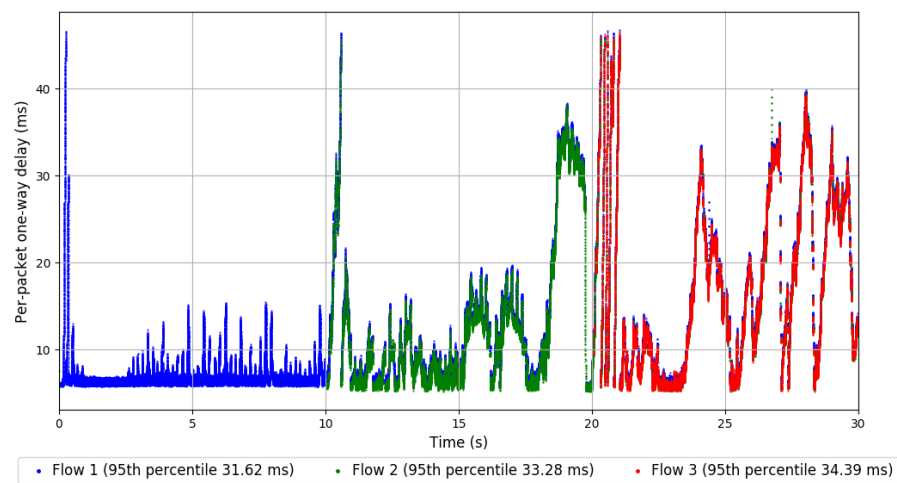
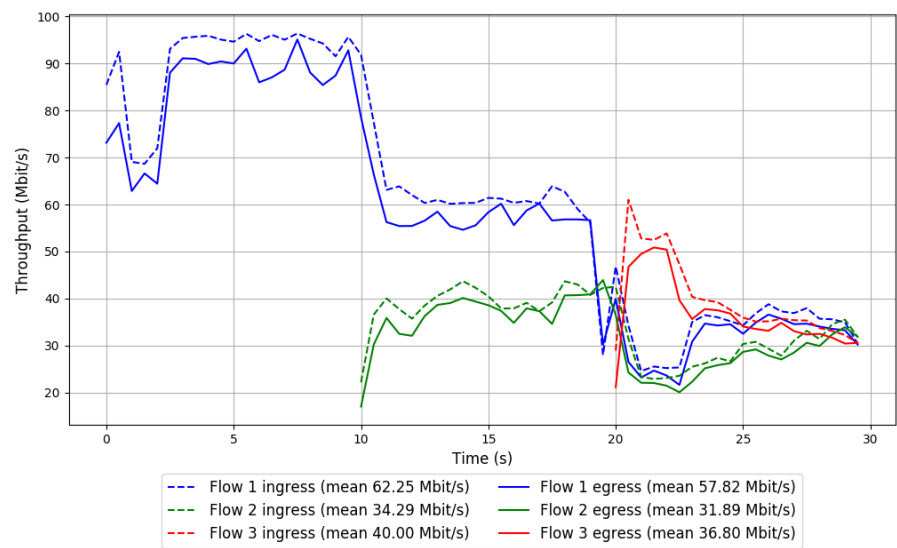


Run 2: Statistics of TCP BBR

Start at: 2018-04-24 20:58:12
End at: 2018-04-24 20:58:42
Local clock offset: 4.763 ms
Remote clock offset: -10.533 ms

Below is generated by plot.py at 2018-04-25 00:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 32.598 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 31.620 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 33.278 ms
Loss rate: 6.97%
-- Flow 3:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 34.391 ms
Loss rate: 7.97%

Run 2: Report of TCP BBR — Data Link

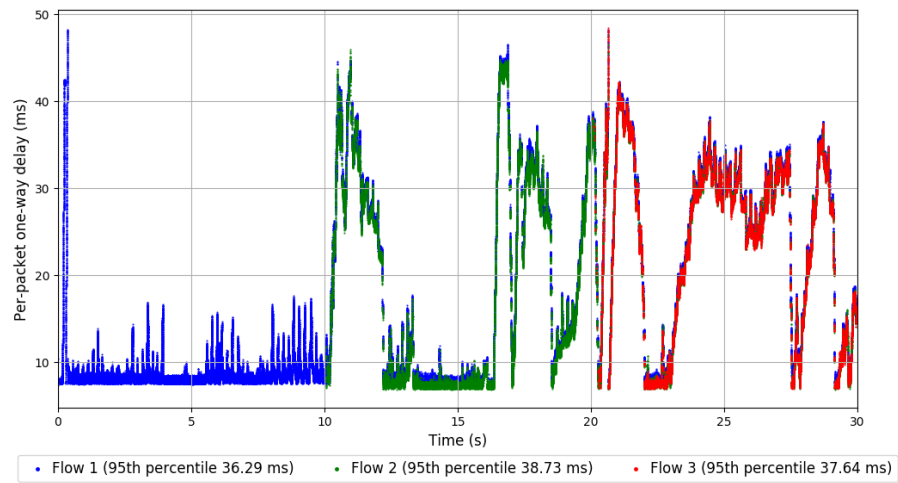
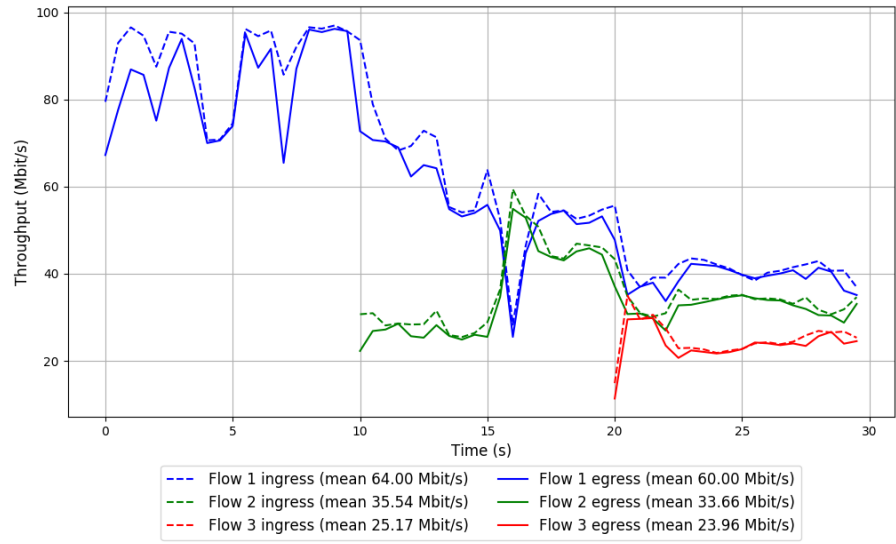


Run 3: Statistics of TCP BBR

Start at: 2018-04-24 21:17:46
End at: 2018-04-24 21:18:16
Local clock offset: 1.063 ms
Remote clock offset: -11.299 ms

Below is generated by plot.py at 2018-04-25 00:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 37.014 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 36.287 ms
Loss rate: 6.22%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 38.734 ms
Loss rate: 5.26%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 37.640 ms
Loss rate: 5.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 21:37:12

End at: 2018-04-24 21:37:42

Local clock offset: 0.901 ms

Remote clock offset: -7.74 ms

Below is generated by plot.py at 2018-04-25 00:14:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.91 Mbit/s

95th percentile per-packet one-way delay: 31.757 ms

Loss rate: 9.93%

-- Flow 1:

Average throughput: 47.27 Mbit/s

95th percentile per-packet one-way delay: 30.878 ms

Loss rate: 9.65%

-- Flow 2:

Average throughput: 30.73 Mbit/s

95th percentile per-packet one-way delay: 36.617 ms

Loss rate: 9.80%

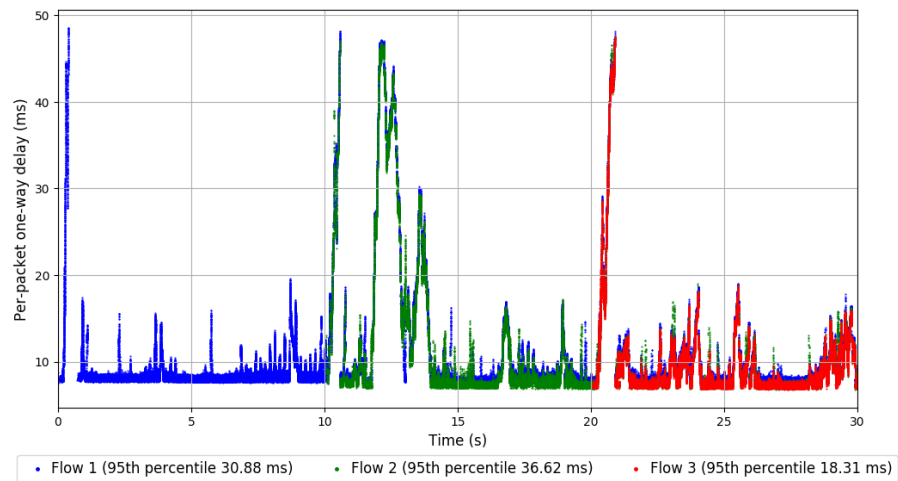
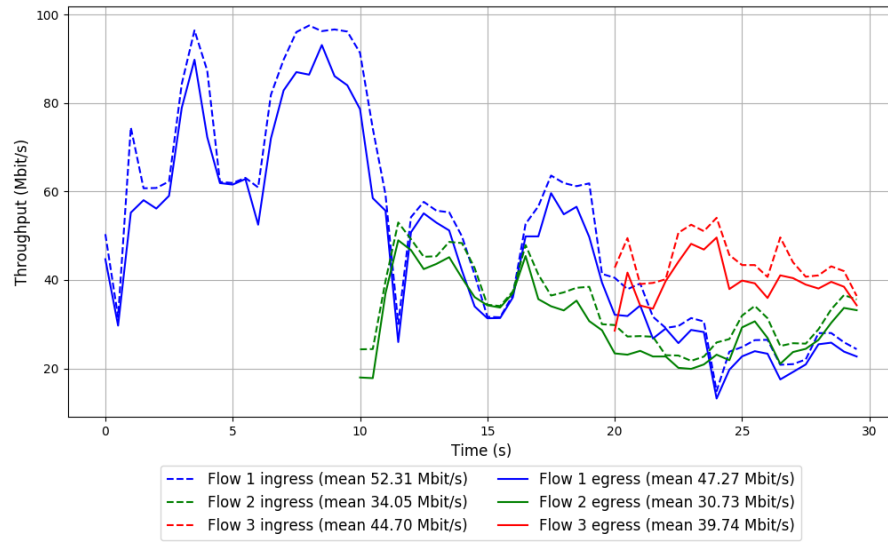
-- Flow 3:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 18.306 ms

Loss rate: 11.11%

Run 4: Report of TCP BBR — Data Link

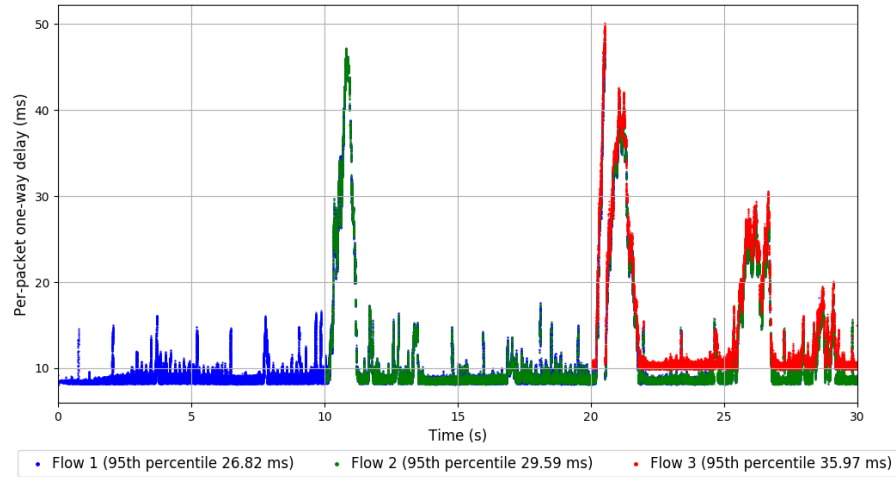
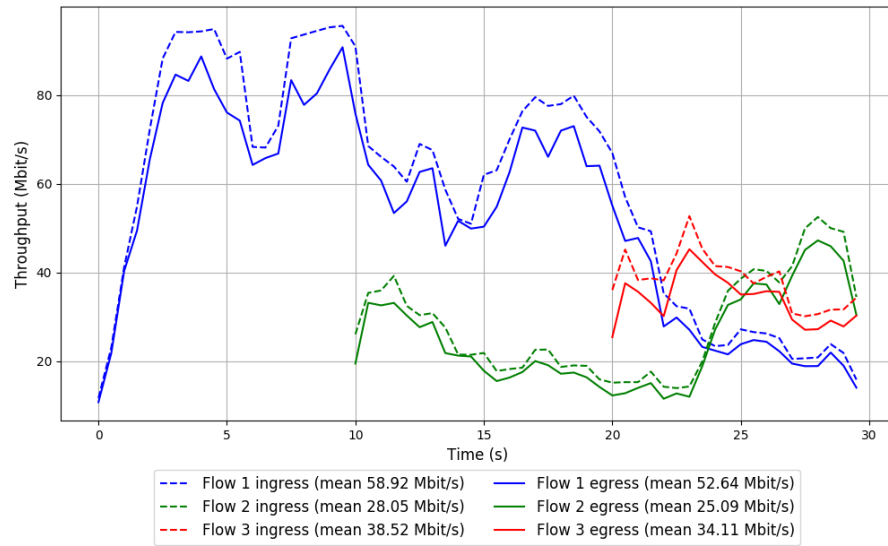


Run 5: Statistics of TCP BBR

Start at: 2018-04-24 21:56:48
End at: 2018-04-24 21:57:18
Local clock offset: -0.463 ms
Remote clock offset: -2.766 ms

Below is generated by plot.py at 2018-04-25 00:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 29.191 ms
Loss rate: 10.75%
-- Flow 1:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 26.821 ms
Loss rate: 10.66%
-- Flow 2:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 29.595 ms
Loss rate: 10.56%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 35.965 ms
Loss rate: 11.43%

Run 5: Report of TCP BBR — Data Link

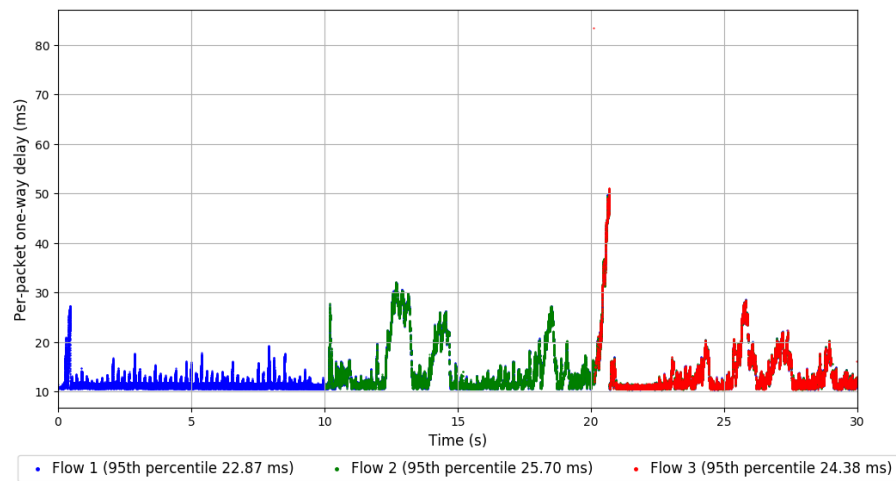
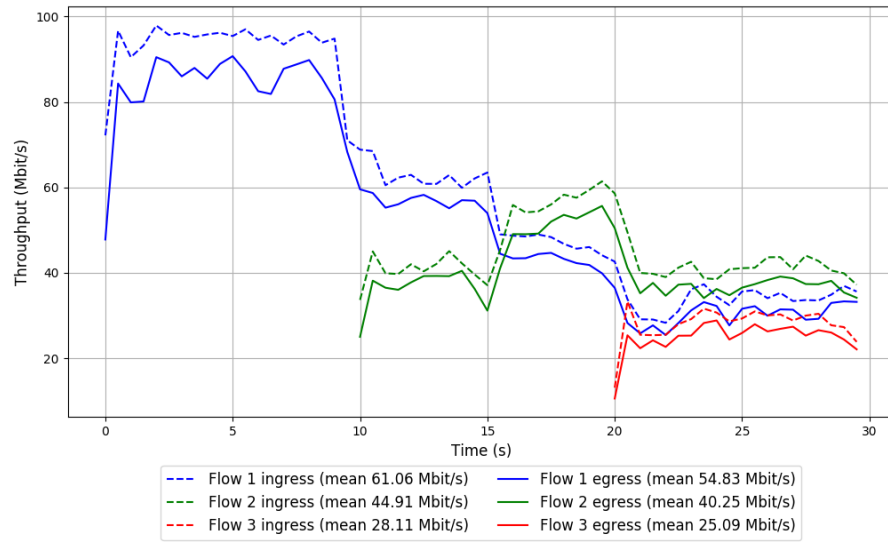


Run 6: Statistics of TCP BBR

Start at: 2018-04-24 22:16:27
End at: 2018-04-24 22:16:57
Local clock offset: -8.233 ms
Remote clock offset: -5.752 ms

Below is generated by plot.py at 2018-04-25 00:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 24.239 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 22.867 ms
Loss rate: 10.19%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 25.701 ms
Loss rate: 10.38%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 24.383 ms
Loss rate: 11.35%

Run 6: Report of TCP BBR — Data Link

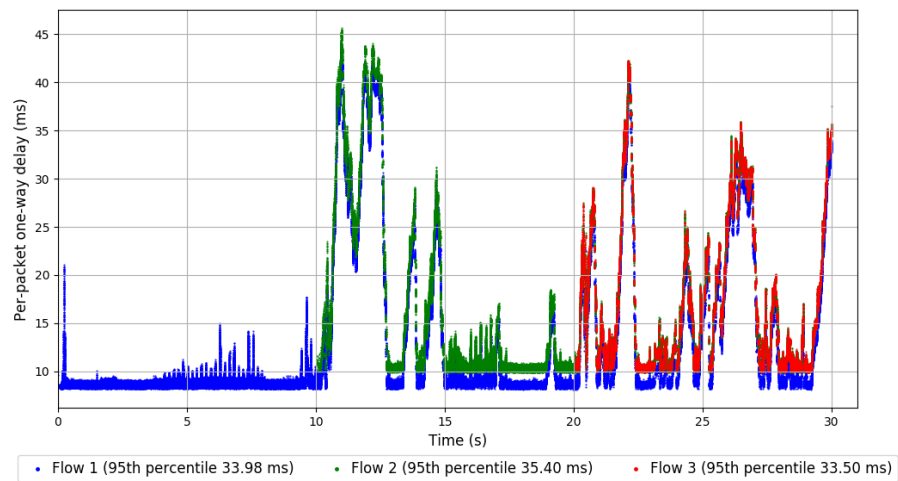
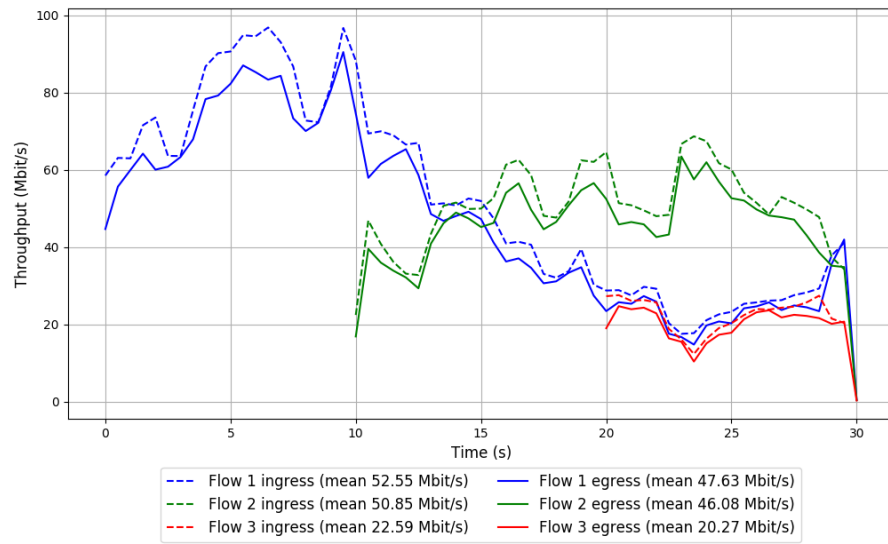


Run 7: Statistics of TCP BBR

Start at: 2018-04-24 22:36:21
End at: 2018-04-24 22:36:51
Local clock offset: -13.687 ms
Remote clock offset: -7.637 ms

Below is generated by plot.py at 2018-04-25 00:14:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 34.506 ms
Loss rate: 9.34%
-- Flow 1:
Average throughput: 47.63 Mbit/s
95th percentile per-packet one-way delay: 33.984 ms
Loss rate: 9.29%
-- Flow 2:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 35.404 ms
Loss rate: 9.26%
-- Flow 3:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 10.09%

Run 7: Report of TCP BBR — Data Link

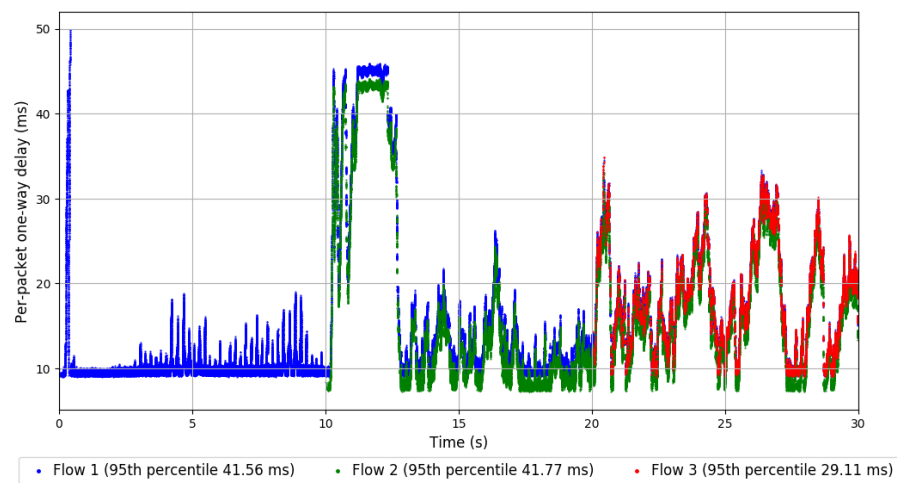
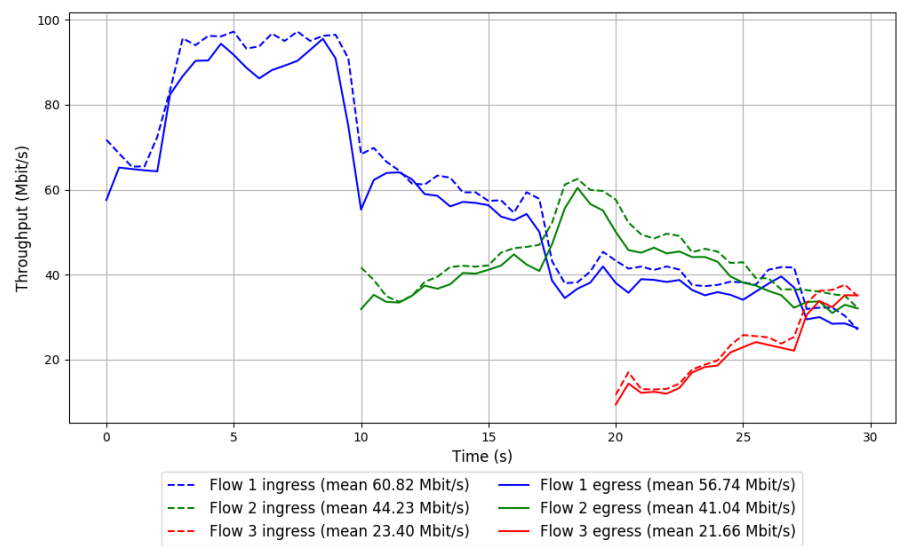


Run 8: Statistics of TCP BBR

Start at: 2018-04-24 22:56:12
End at: 2018-04-24 22:56:42
Local clock offset: -14.929 ms
Remote clock offset: -6.88 ms

Below is generated by plot.py at 2018-04-25 00:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 39.630 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 41.564 ms
Loss rate: 6.69%
-- Flow 2:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 41.768 ms
Loss rate: 7.18%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 29.105 ms
Loss rate: 7.39%

Run 8: Report of TCP BBR — Data Link

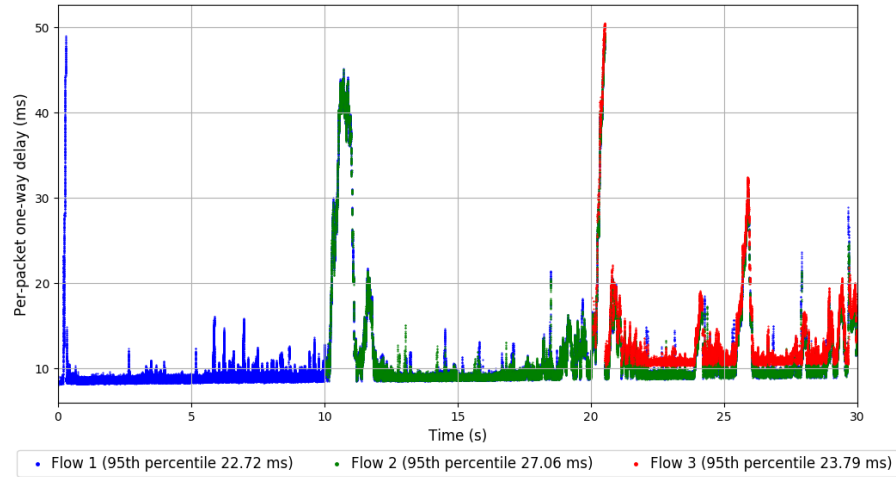
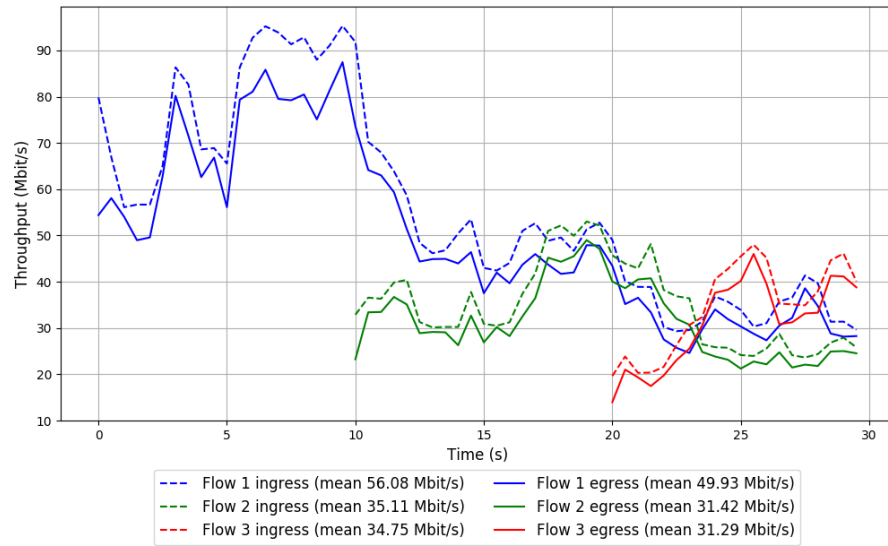


Run 9: Statistics of TCP BBR

Start at: 2018-04-24 23:16:15
End at: 2018-04-24 23:16:45
Local clock offset: -17.523 ms
Remote clock offset: -7.278 ms

Below is generated by plot.py at 2018-04-25 00:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: 24.110 ms
Loss rate: 10.72%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 22.716 ms
Loss rate: 10.96%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 27.056 ms
Loss rate: 10.50%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 23.787 ms
Loss rate: 9.98%

Run 9: Report of TCP BBR — Data Link

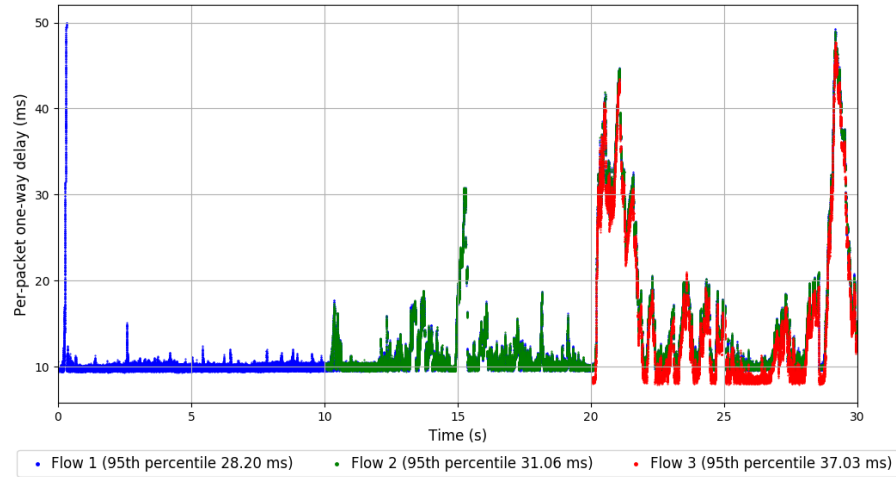
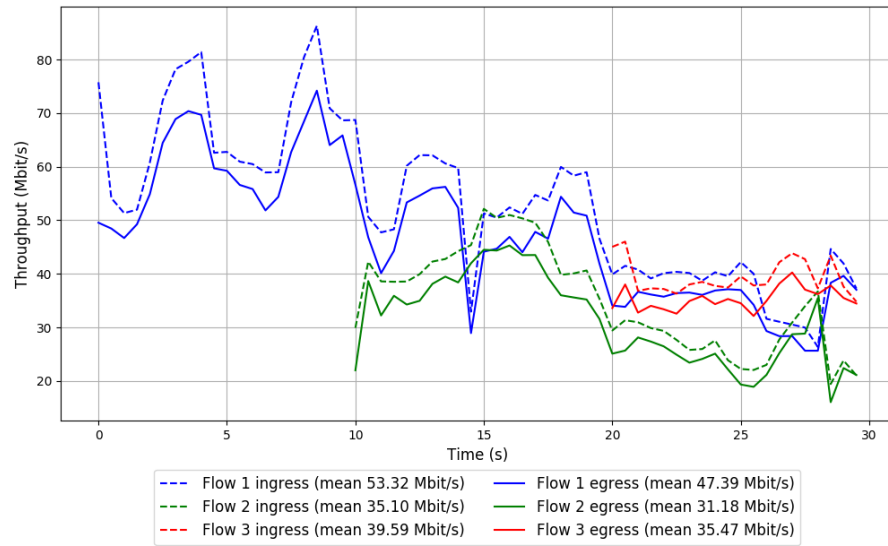


Run 10: Statistics of TCP BBR

Start at: 2018-04-24 23:35:59
End at: 2018-04-24 23:36:29
Local clock offset: -3.382 ms
Remote clock offset: -7.363 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 47.39 Mbit/s
95th percentile per-packet one-way delay: 28.197 ms
Loss rate: 11.12%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 11.14%
-- Flow 3:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 37.030 ms
Loss rate: 10.37%

Run 10: Report of TCP BBR — Data Link

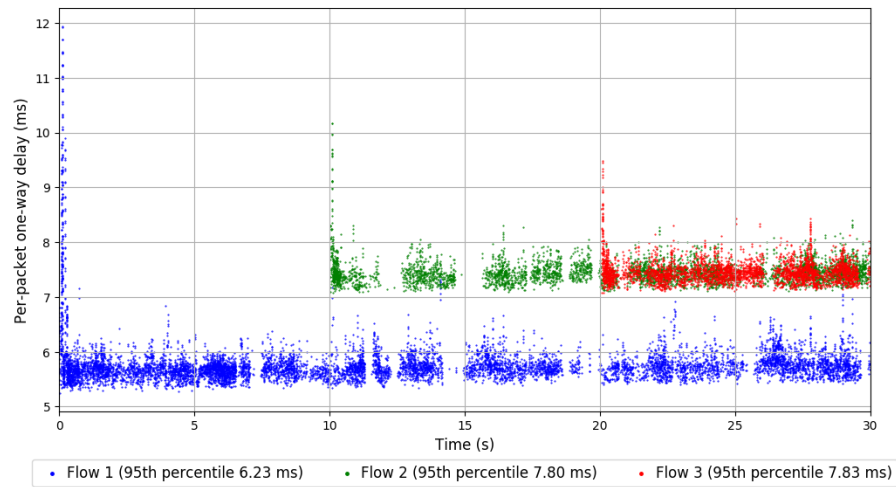
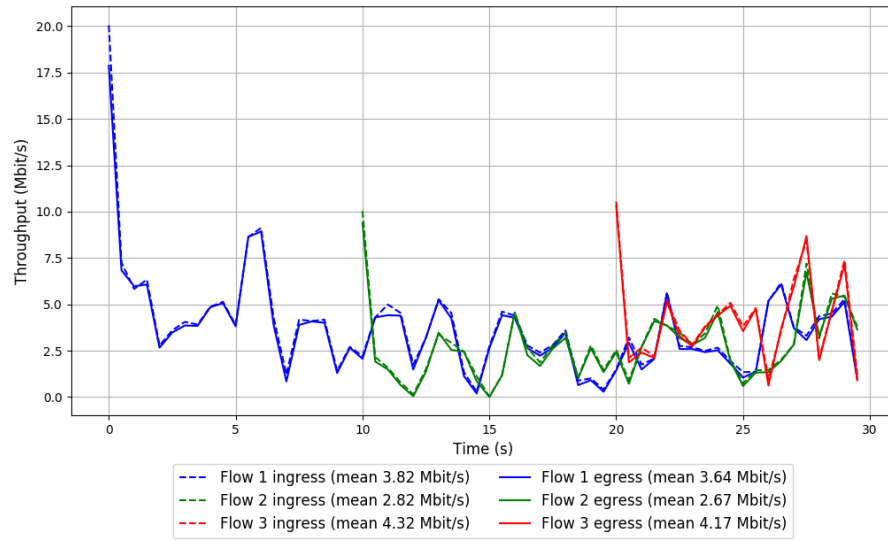


Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 20:37:22
End at: 2018-04-24 20:37:52
Local clock offset: 2.012 ms
Remote clock offset: -10.319 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 7.711 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 6.230 ms
Loss rate: 4.70%
-- Flow 2:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 7.800 ms
Loss rate: 5.25%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 7.830 ms
Loss rate: 3.39%

Run 1: Report of TCP Cubic — Data Link

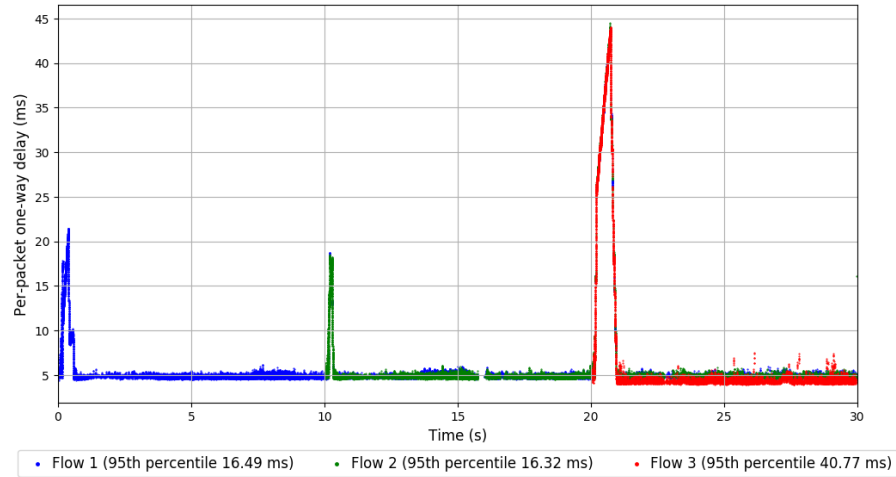
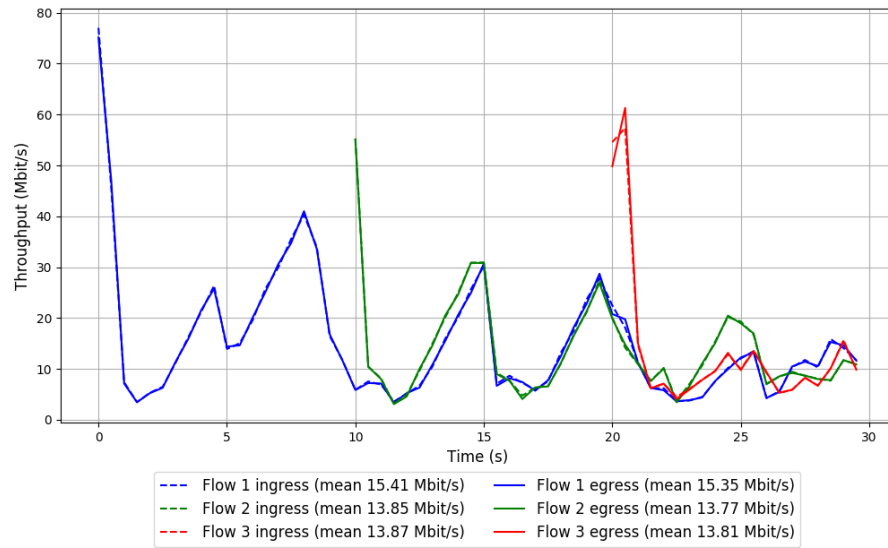


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 20:57:05
End at: 2018-04-24 20:57:35
Local clock offset: 4.888 ms
Remote clock offset: -11.676 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 16.492 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 16.320 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: 40.770 ms
Loss rate: 0.44%

Run 2: Report of TCP Cubic — Data Link

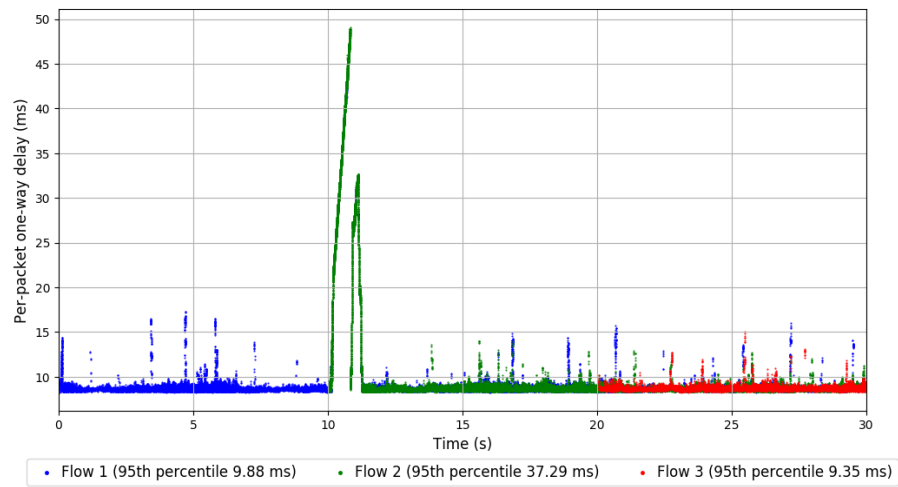
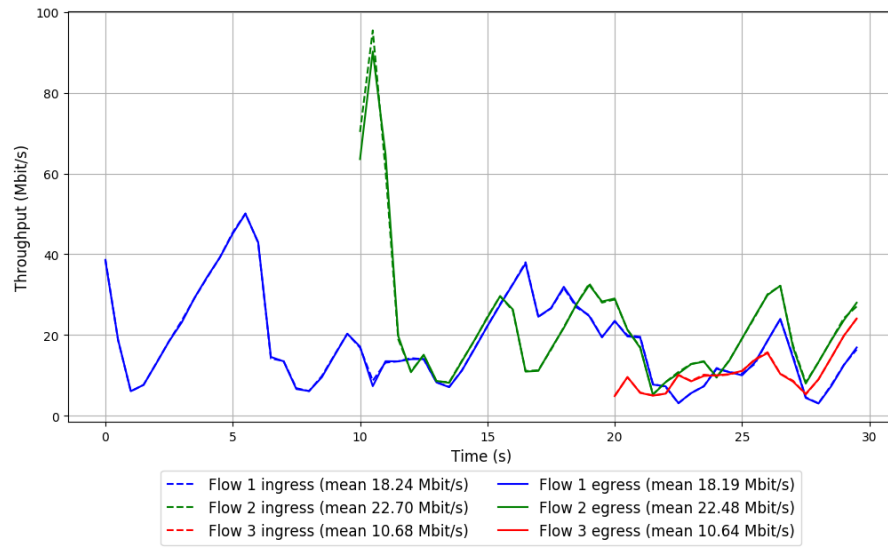


Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 21:16:39
End at: 2018-04-24 21:17:09
Local clock offset: -0.469 ms
Remote clock offset: -11.376 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 28.765 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 9.877 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 37.293 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 9.345 ms
Loss rate: 0.40%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 21:36:06

End at: 2018-04-24 21:36:36

Local clock offset: 0.061 ms

Remote clock offset: -7.82 ms

Below is generated by plot.py at 2018-04-25 00:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.14 Mbit/s

95th percentile per-packet one-way delay: 11.197 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 10.275 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 13.091 ms

Loss rate: 1.25%

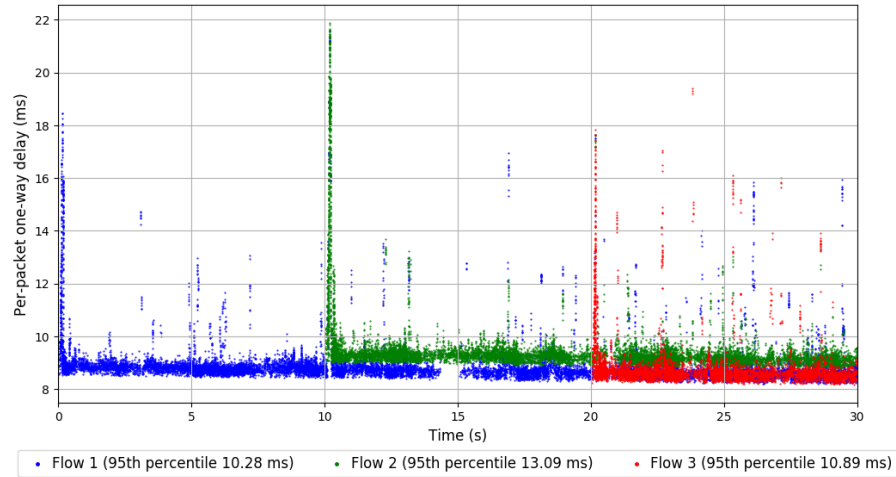
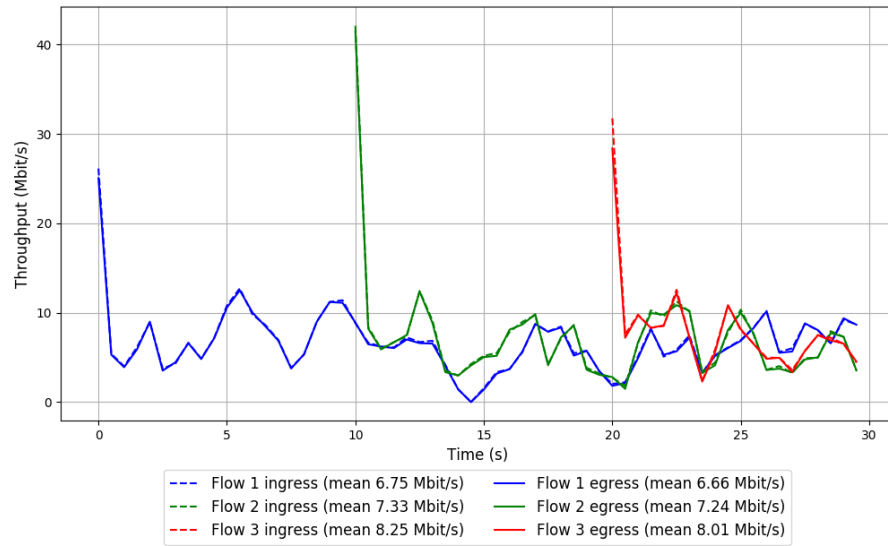
-- Flow 3:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 10.892 ms

Loss rate: 2.96%

Run 4: Report of TCP Cubic — Data Link

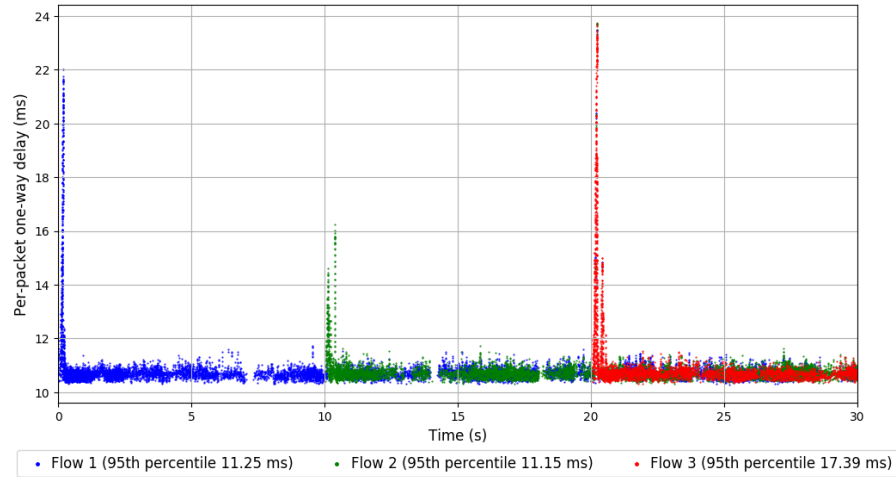
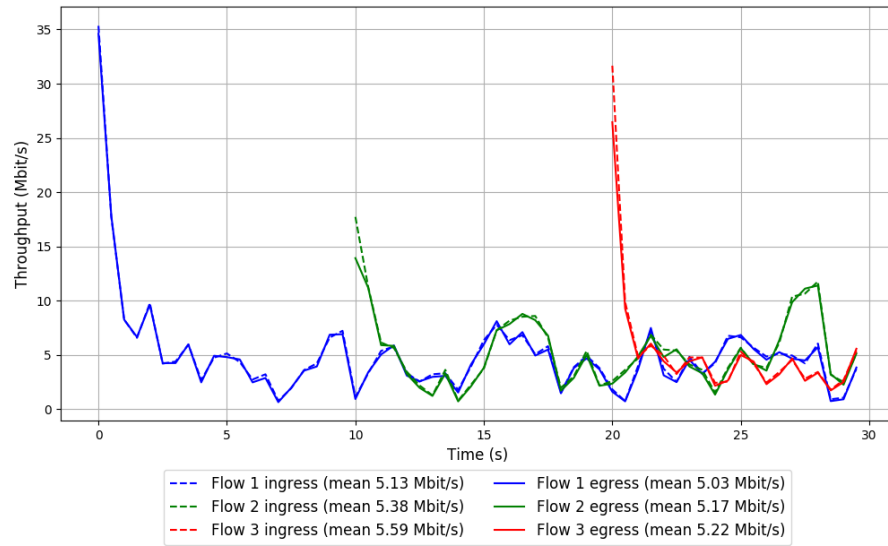


Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 21:55:42
End at: 2018-04-24 21:56:12
Local clock offset: -0.976 ms
Remote clock offset: -2.863 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 12.029 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 11.249 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 11.152 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 17.394 ms
Loss rate: 6.62%

Run 5: Report of TCP Cubic — Data Link

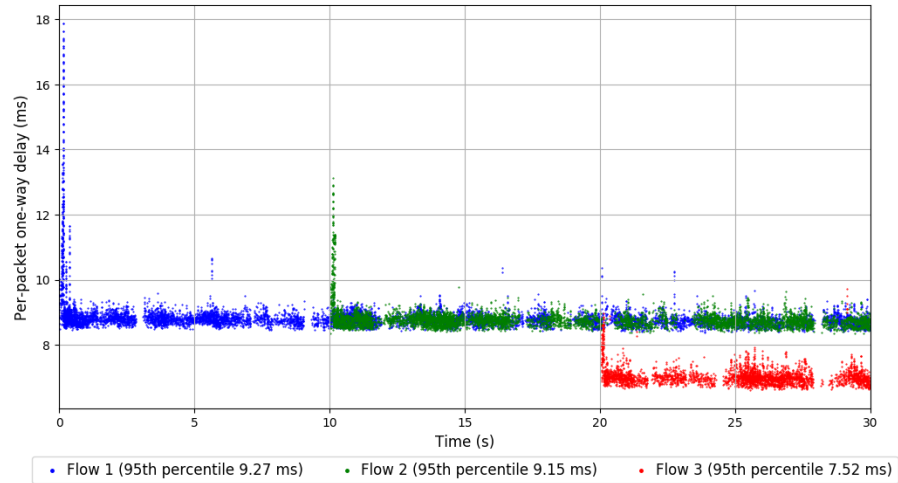
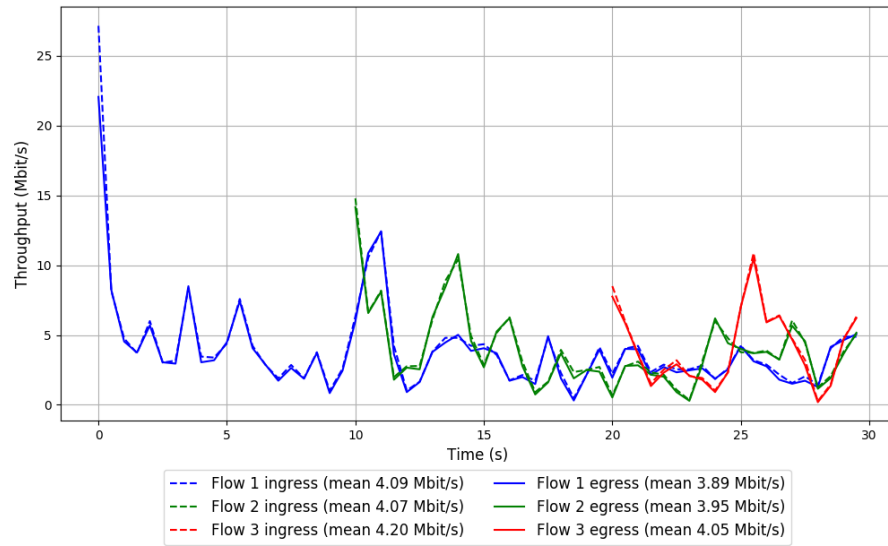


Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 22:15:16
End at: 2018-04-24 22:15:46
Local clock offset: -5.82 ms
Remote clock offset: -5.763 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 9.157 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 9.269 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 9.150 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 7.518 ms
Loss rate: 3.59%

Run 6: Report of TCP Cubic — Data Link

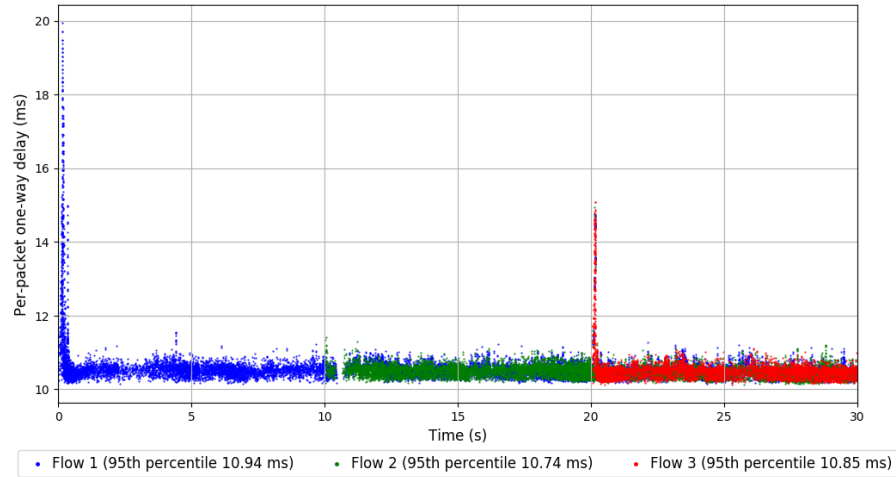
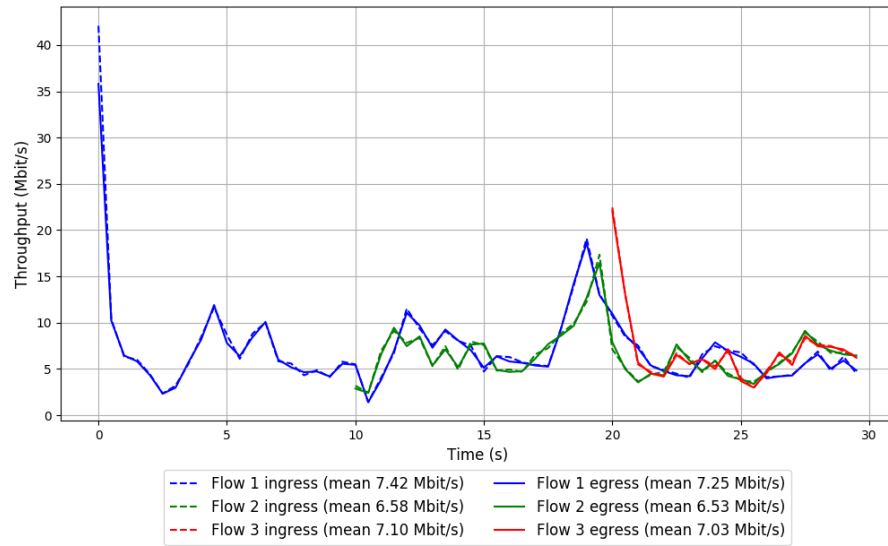


Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 22:35:15
End at: 2018-04-24 22:35:45
Local clock offset: -13.262 ms
Remote clock offset: -7.097 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.93 Mbit/s
95th percentile per-packet one-way delay: 10.843 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 10.937 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 10.742 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 10.848 ms
Loss rate: 0.95%

Run 7: Report of TCP Cubic — Data Link

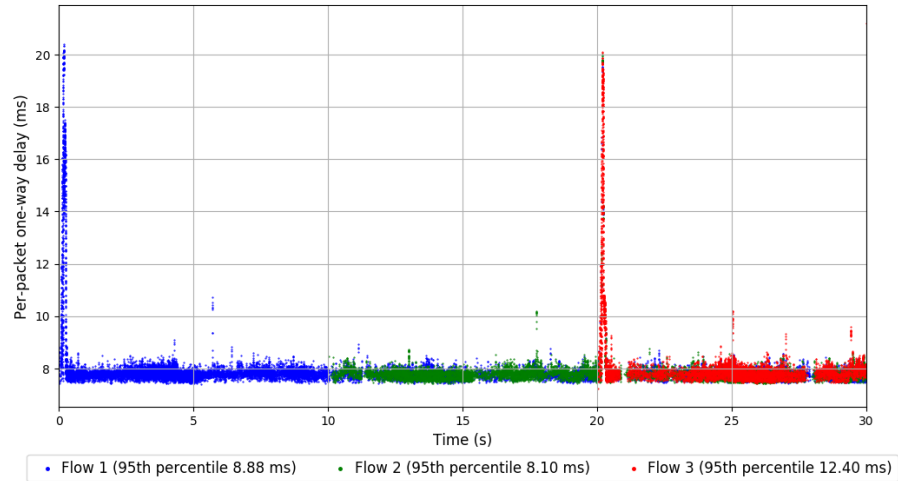
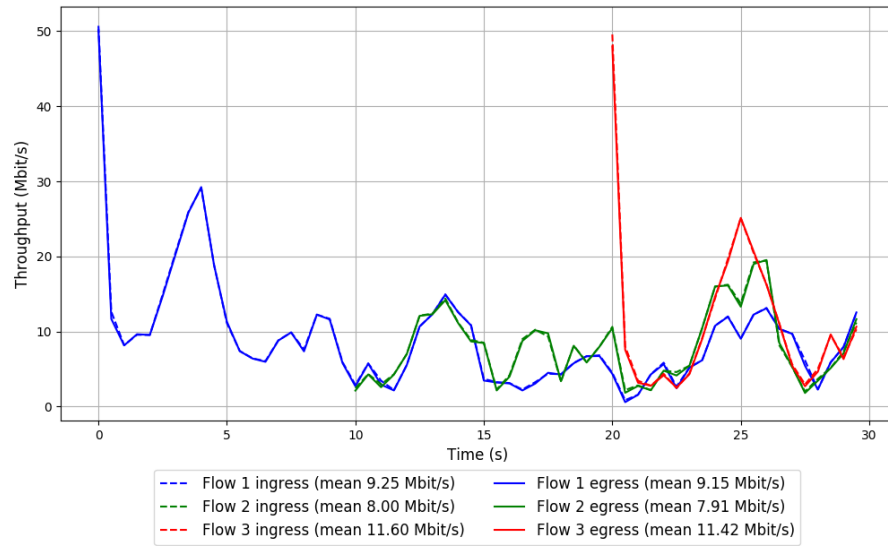


Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 22:55:05
End at: 2018-04-24 22:55:35
Local clock offset: -15.381 ms
Remote clock offset: -7.349 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 9.589 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 8.885 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 8.096 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 12.403 ms
Loss rate: 1.37%

Run 8: Report of TCP Cubic — Data Link

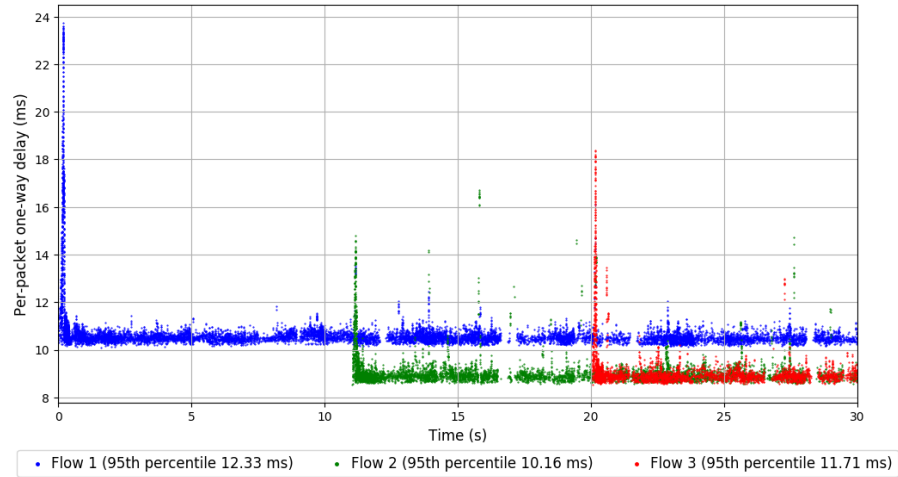
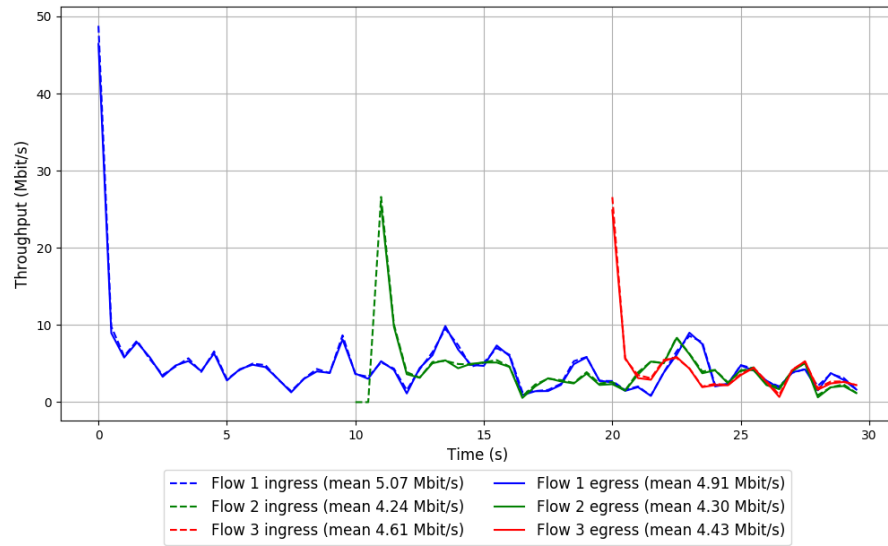


Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 23:15:08
End at: 2018-04-24 23:15:38
Local clock offset: -17.766 ms
Remote clock offset: -6.131 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 11.439 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 12.331 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 10.156 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 11.706 ms
Loss rate: 3.91%

Run 9: Report of TCP Cubic — Data Link

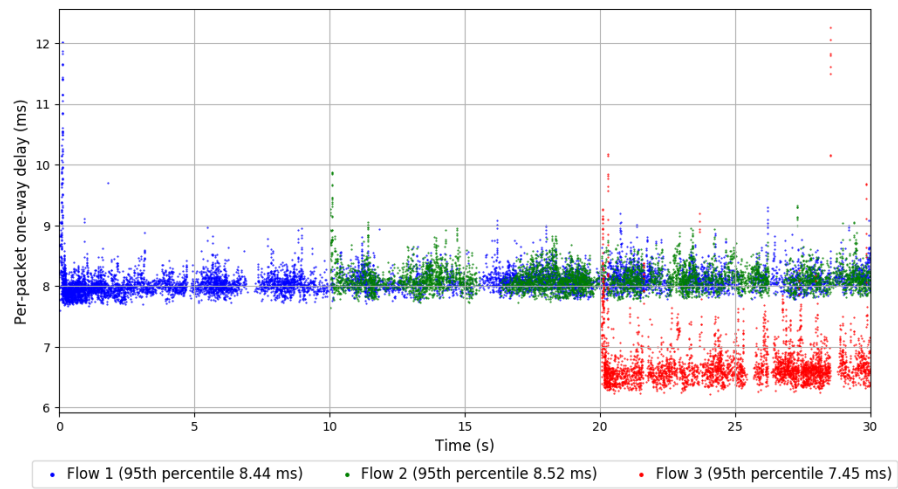
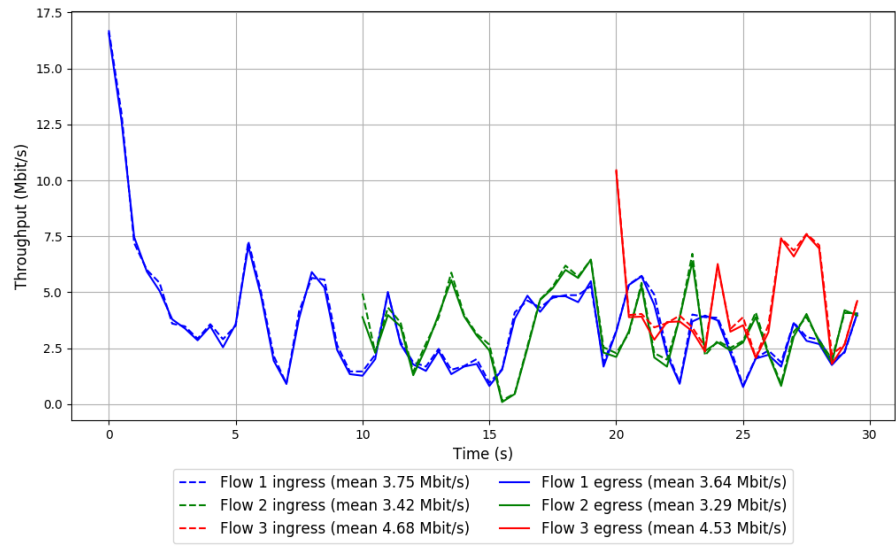


Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 23:34:52
End at: 2018-04-24 23:35:22
Local clock offset: -4.638 ms
Remote clock offset: -10.004 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 8.446 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 8.443 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 8.516 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 7.446 ms
Loss rate: 3.33%

Run 10: Report of TCP Cubic — Data Link

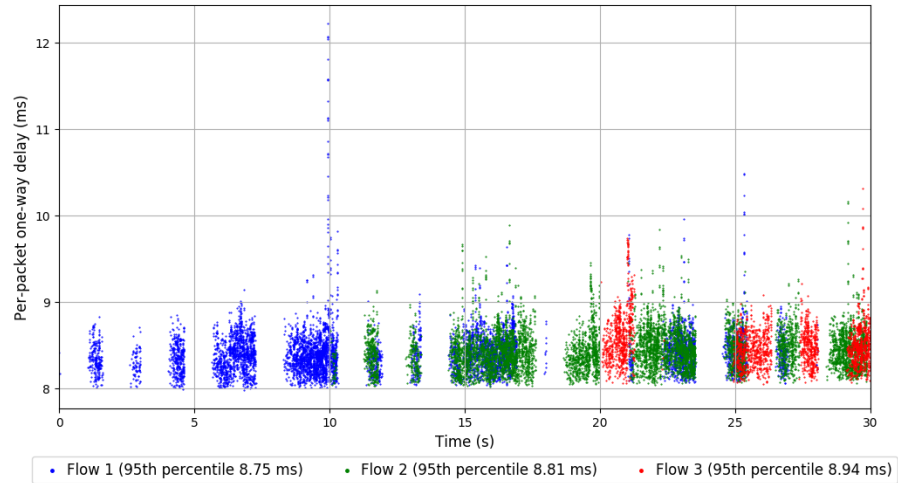
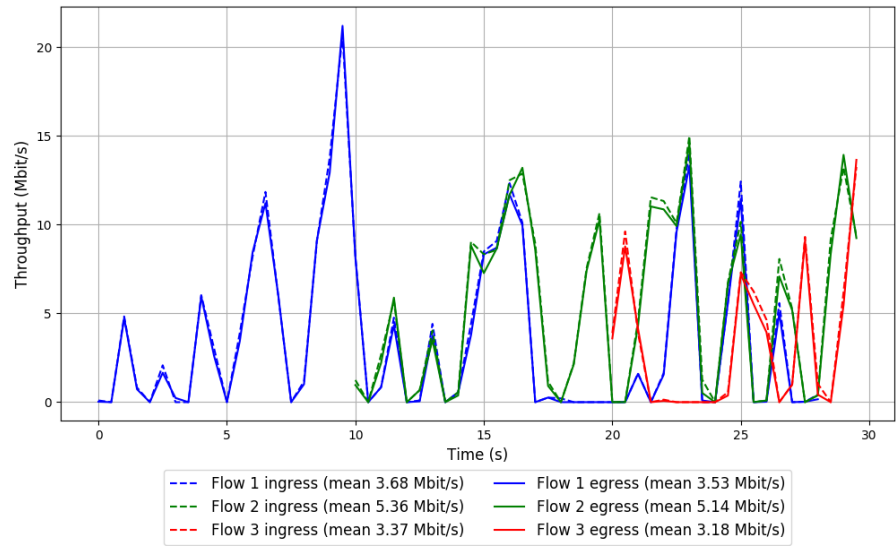


Run 1: Statistics of LEDBAT

Start at: 2018-04-24 20:36:15
End at: 2018-04-24 20:36:45
Local clock offset: 0.217 ms
Remote clock offset: -10.886 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 8.807 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 8.746 ms
Loss rate: 4.04%
-- Flow 2:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 8.813 ms
Loss rate: 4.14%
-- Flow 3:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 8.935 ms
Loss rate: 5.73%

Run 1: Report of LEDBAT — Data Link

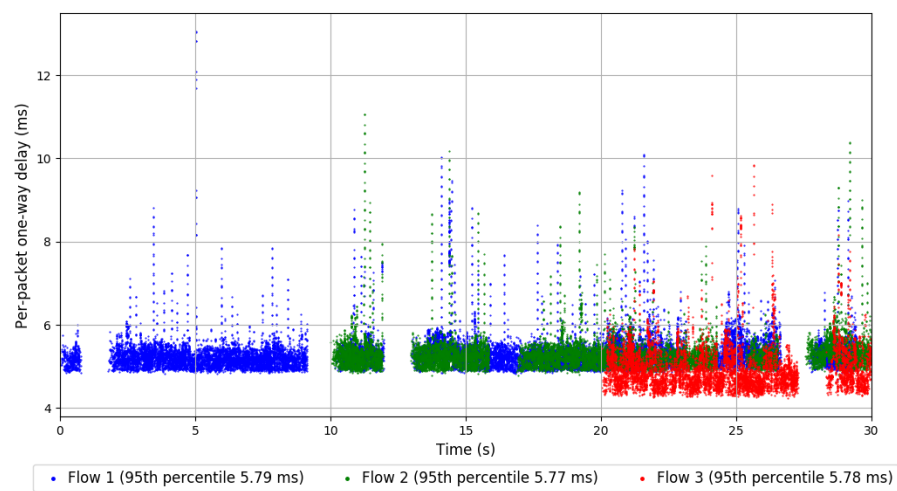
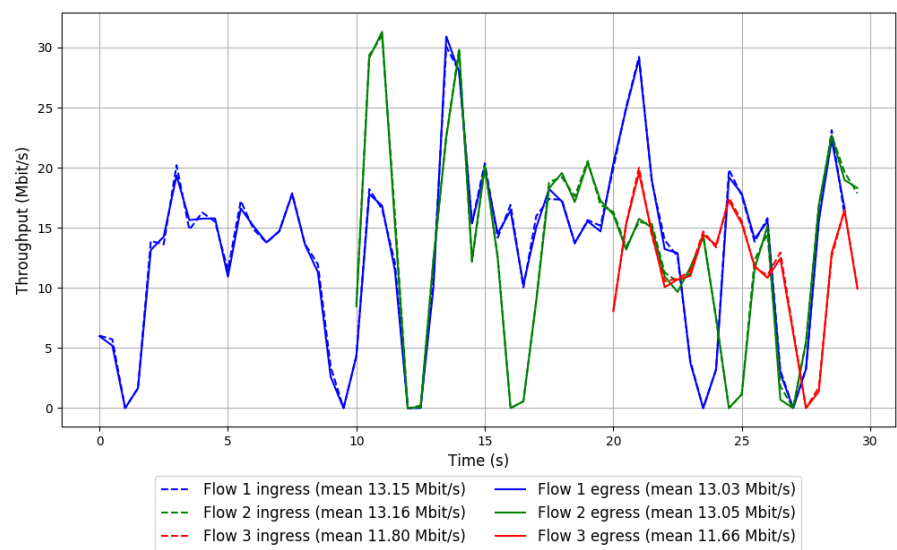


Run 2: Statistics of LEDBAT

Start at: 2018-04-24 20:55:58
End at: 2018-04-24 20:56:28
Local clock offset: 4.112 ms
Remote clock offset: -12.01 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 5.780 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 5.789 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 5.767 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 5.780 ms
Loss rate: 1.18%

Run 2: Report of LEDBAT — Data Link

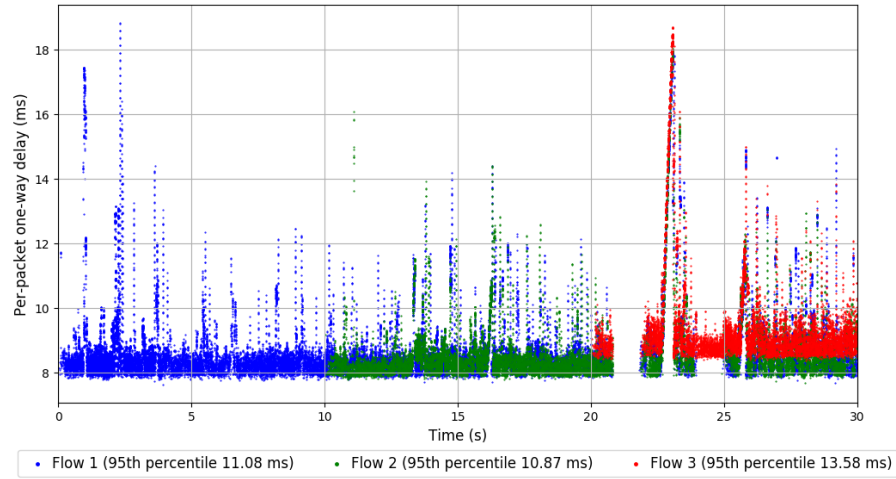
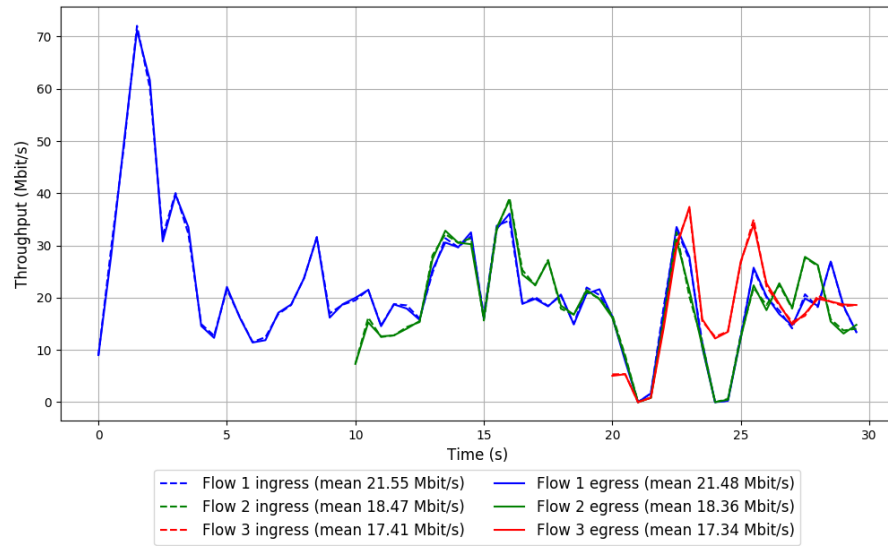


Run 3: Statistics of LEDBAT

Start at: 2018-04-24 21:15:31
End at: 2018-04-24 21:16:01
Local clock offset: -0.221 ms
Remote clock offset: -11.577 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 11.372 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 11.083 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 10.873 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 17.34 Mbit/s
95th percentile per-packet one-way delay: 13.580 ms
Loss rate: 0.40%

Run 3: Report of LEDBAT — Data Link

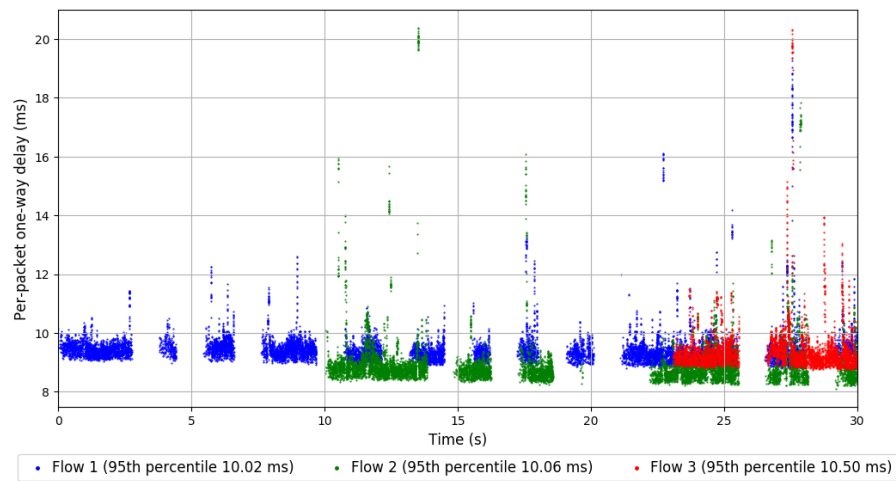
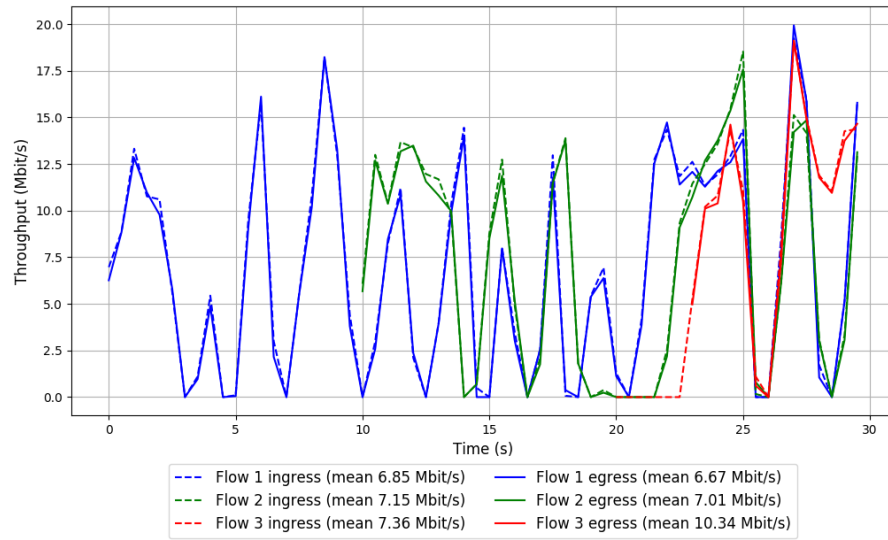


Run 4: Statistics of LEDBAT

Start at: 2018-04-24 21:35:00
End at: 2018-04-24 21:35:30
Local clock offset: -0.7 ms
Remote clock offset: -9.381 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.73 Mbit/s
95th percentile per-packet one-way delay: 10.096 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 10.023 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 10.061 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 10.501 ms
Loss rate: 1.95%

Run 4: Report of LEDBAT — Data Link

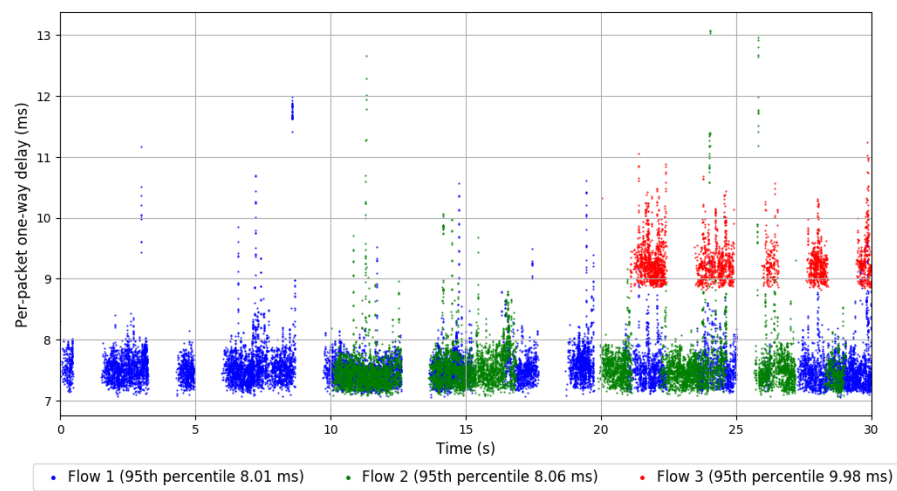
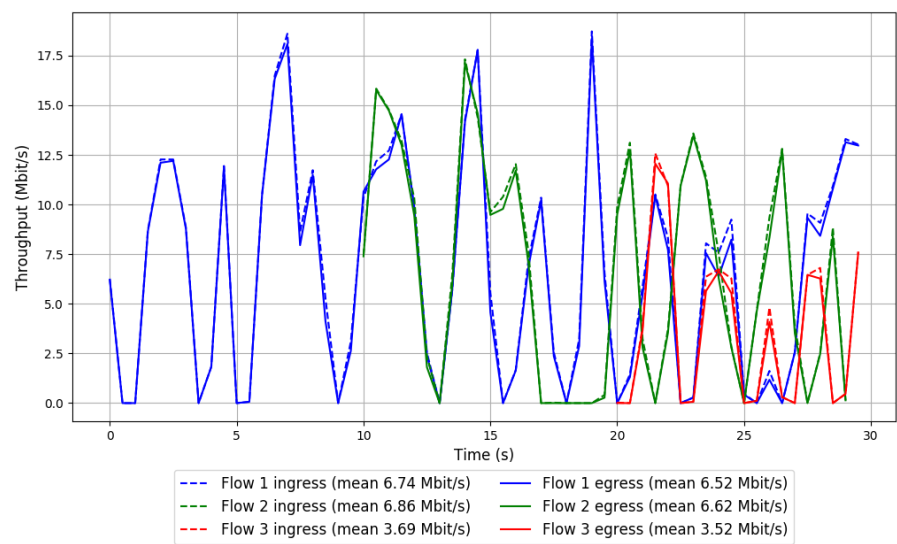


Run 5: Statistics of LEDBAT

Start at: 2018-04-24 21:54:36
End at: 2018-04-24 21:55:06
Local clock offset: 0.433 ms
Remote clock offset: -3.085 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 9.251 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 8.011 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 8.062 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 9.978 ms
Loss rate: 4.67%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 22:14:09

End at: 2018-04-24 22:14:39

Local clock offset: -6.873 ms

Remote clock offset: -5.15 ms

Below is generated by plot.py at 2018-04-25 00:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 10.906 ms

Loss rate: 3.22%

-- Flow 1:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 9.568 ms

Loss rate: 3.85%

-- Flow 2:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 9.542 ms

Loss rate: 2.56%

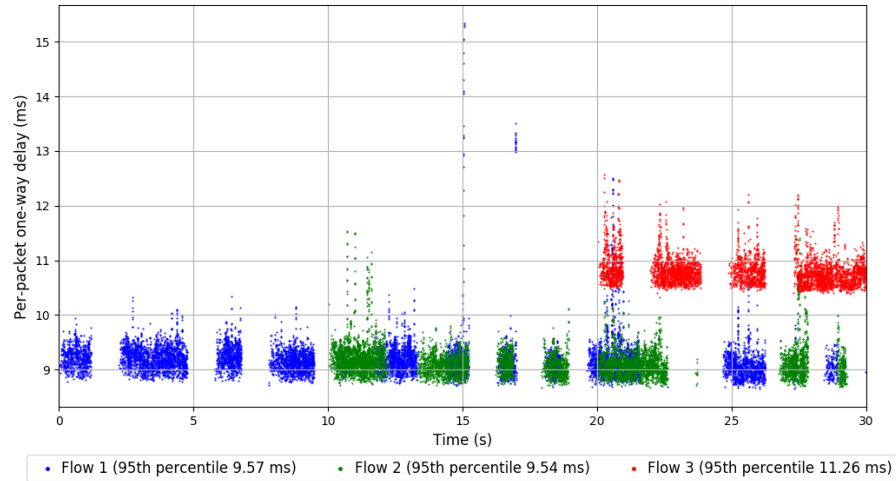
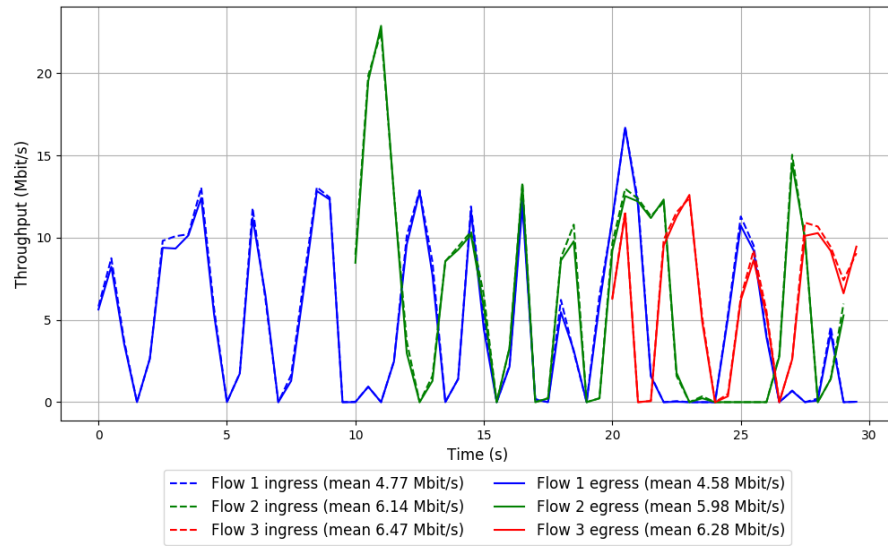
-- Flow 3:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 11.255 ms

Loss rate: 3.01%

Run 6: Report of LEDBAT — Data Link

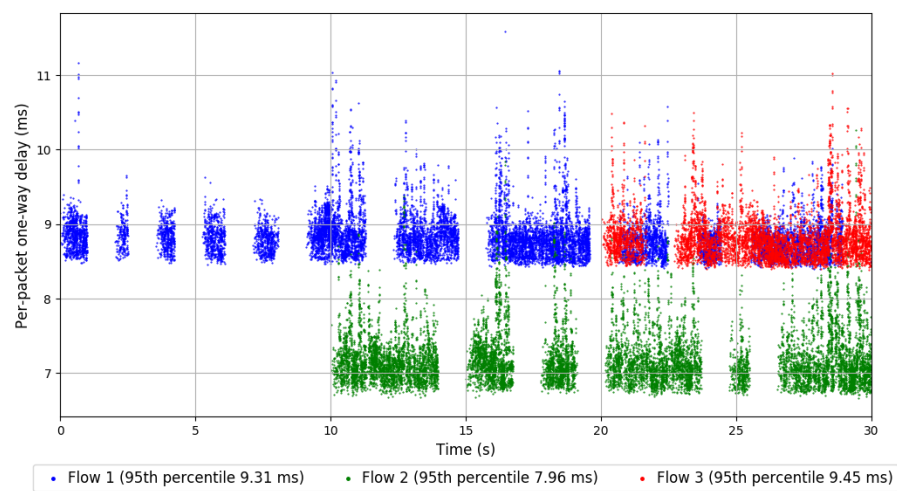
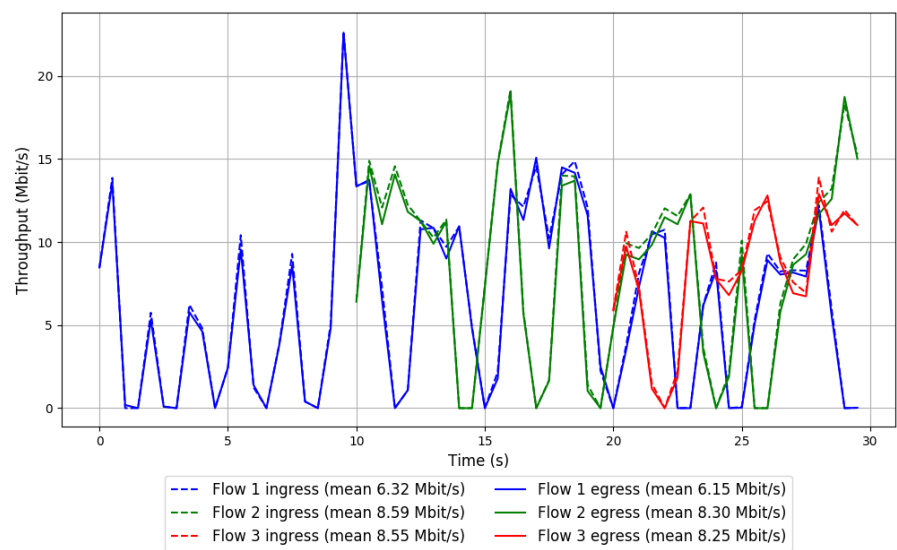


Run 7: Statistics of LEDBAT

Start at: 2018-04-24 22:34:07
End at: 2018-04-24 22:34:37
Local clock offset: -11.834 ms
Remote clock offset: -7.579 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 9.208 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 9.309 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 7.965 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 9.453 ms
Loss rate: 3.48%

Run 7: Report of LEDBAT — Data Link

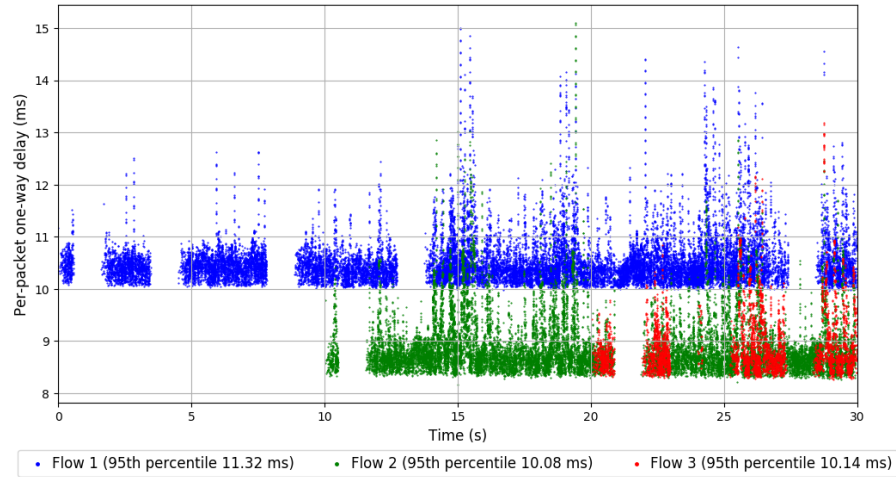
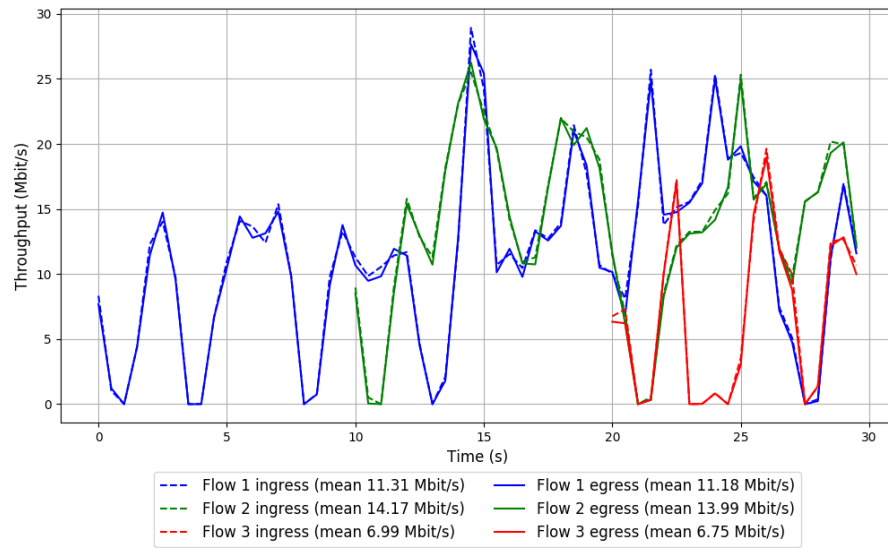


Run 8: Statistics of LEDBAT

Start at: 2018-04-24 22:53:59
End at: 2018-04-24 22:54:29
Local clock offset: -15.596 ms
Remote clock offset: -6.828 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 10.993 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 11.325 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 10.082 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 10.145 ms
Loss rate: 3.49%

Run 8: Report of LEDBAT — Data Link

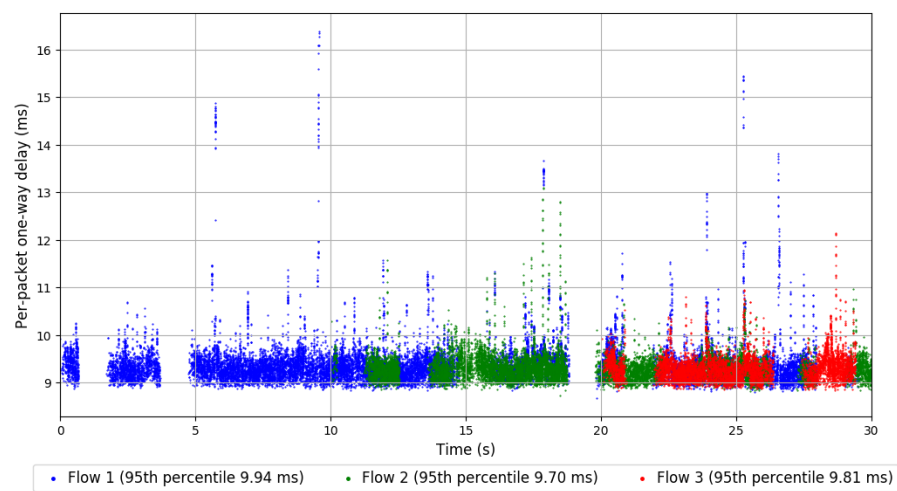
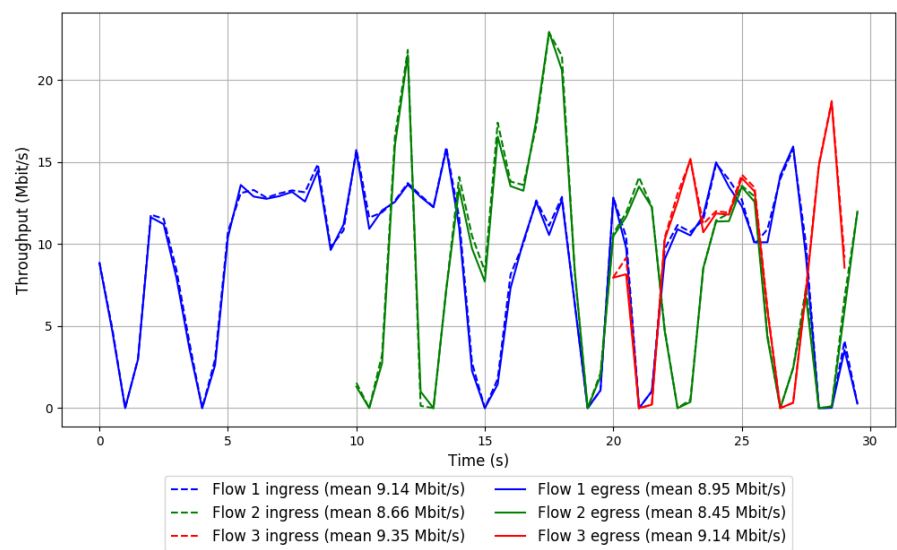


Run 9: Statistics of LEDBAT

Start at: 2018-04-24 23:14:00
End at: 2018-04-24 23:14:30
Local clock offset: -18.613 ms
Remote clock offset: -6.724 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 9.838 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 9.942 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 9.704 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 9.810 ms
Loss rate: 2.26%

Run 9: Report of LEDBAT — Data Link

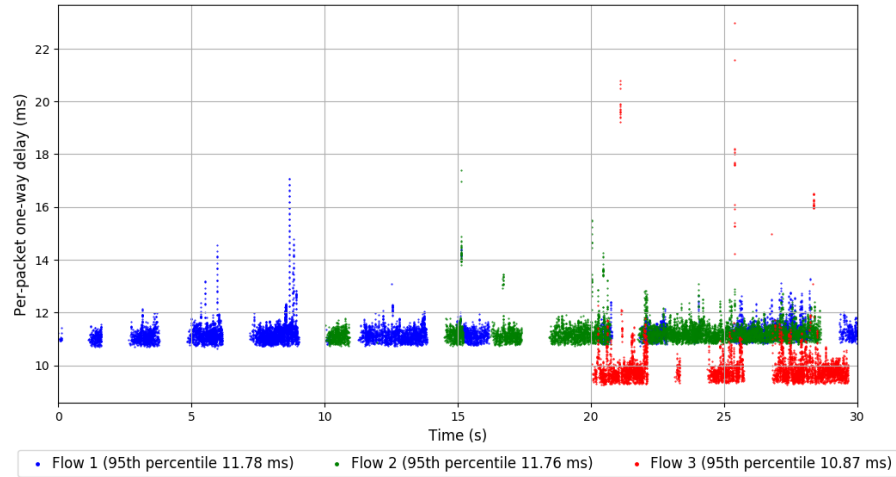
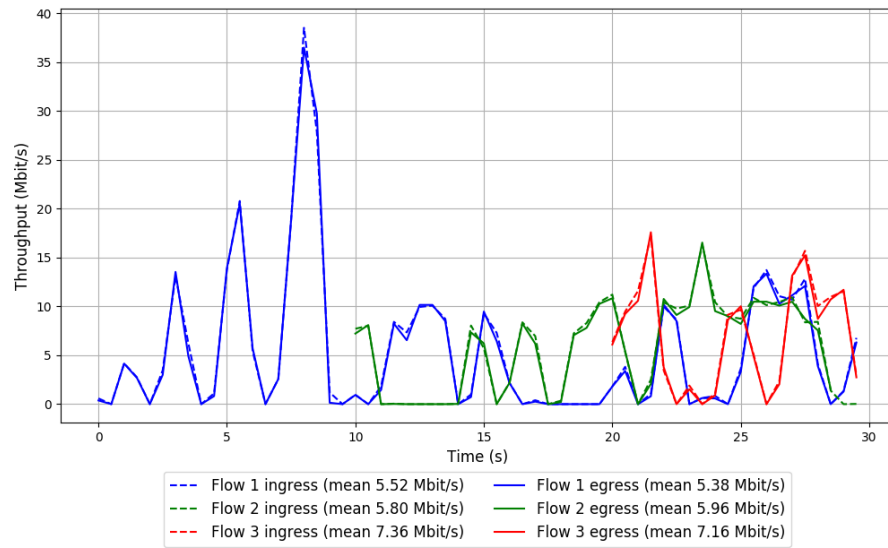


Run 10: Statistics of LEDBAT

Start at: 2018-04-24 23:33:46
End at: 2018-04-24 23:34:16
Local clock offset: -5.445 ms
Remote clock offset: -7.413 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.37 Mbit/s
95th percentile per-packet one-way delay: 11.707 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 11.783 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 11.759 ms
Loss rate: 2.73%
-- Flow 3:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 10.865 ms
Loss rate: 2.77%

Run 10: Report of LEDBAT — Data Link

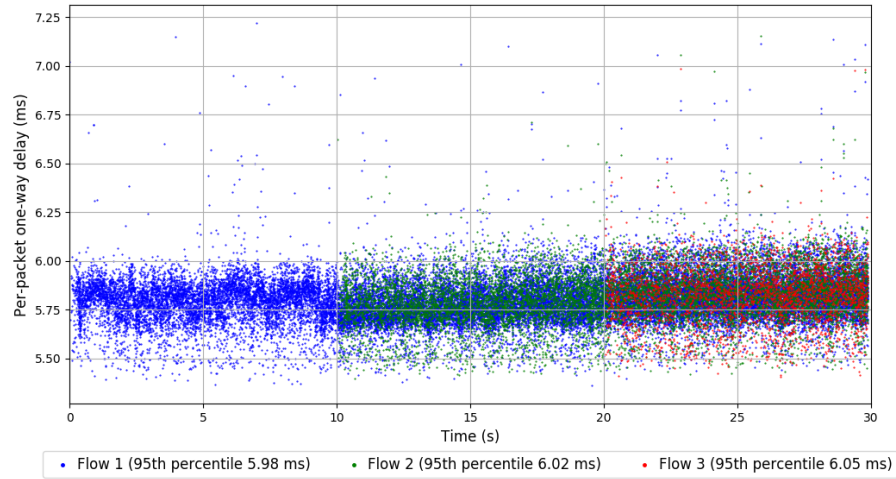
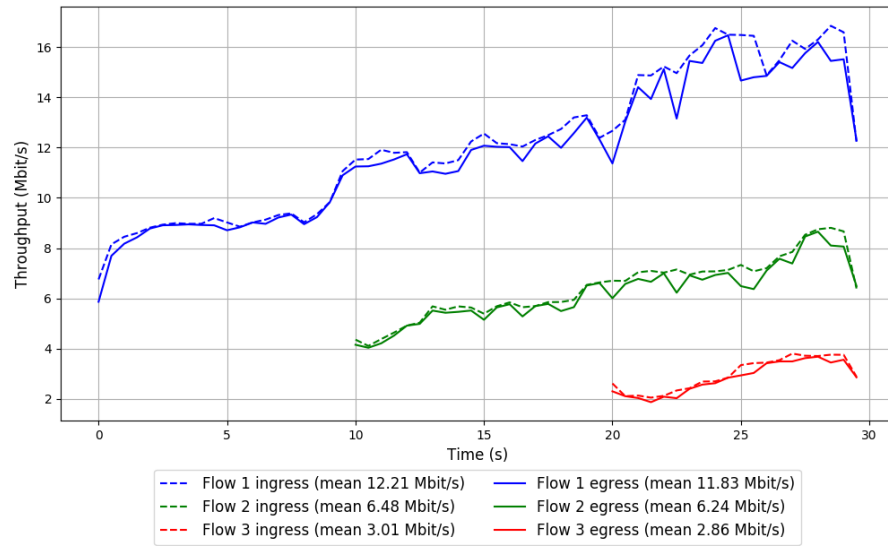


Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 20:41:53
End at: 2018-04-24 20:42:23
Local clock offset: 3.383 ms
Remote clock offset: -10.097 ms

Below is generated by plot.py at 2018-04-25 00:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 6.004 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 5.984 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 6.024 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 6.051 ms
Loss rate: 5.05%

Run 1: Report of PCC-Allegro — Data Link

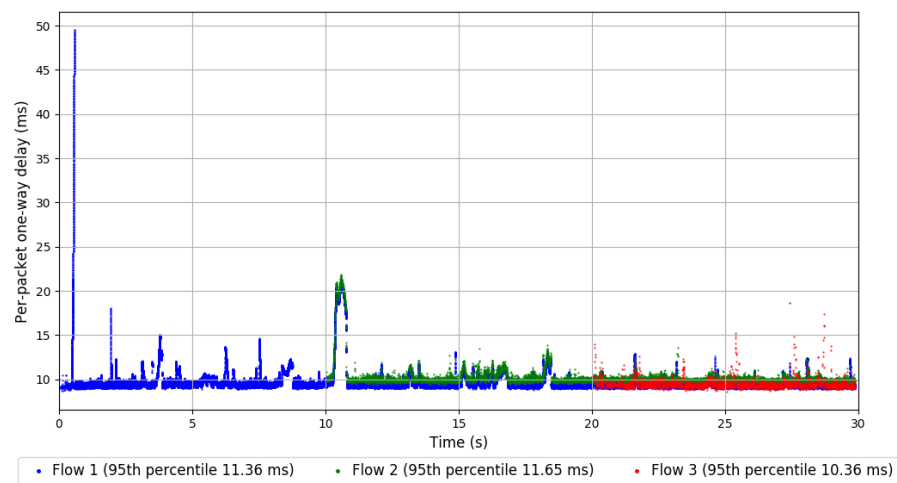
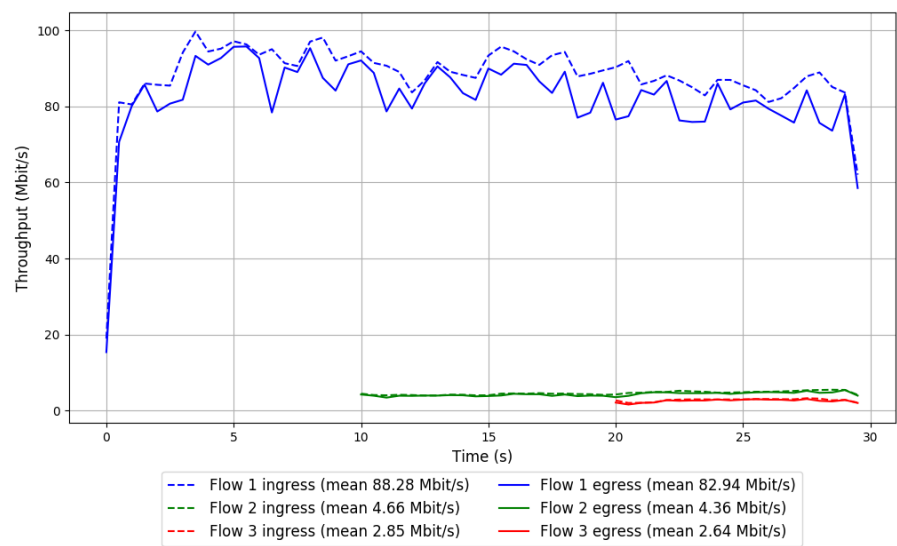


Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 21:01:36
End at: 2018-04-24 21:02:06
Local clock offset: -0.69 ms
Remote clock offset: -11.722 ms

Below is generated by plot.py at 2018-04-25 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 11.368 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 11.361 ms
Loss rate: 6.06%
-- Flow 2:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 11.650 ms
Loss rate: 6.43%
-- Flow 3:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 10.363 ms
Loss rate: 7.42%

Run 2: Report of PCC-Allegro — Data Link

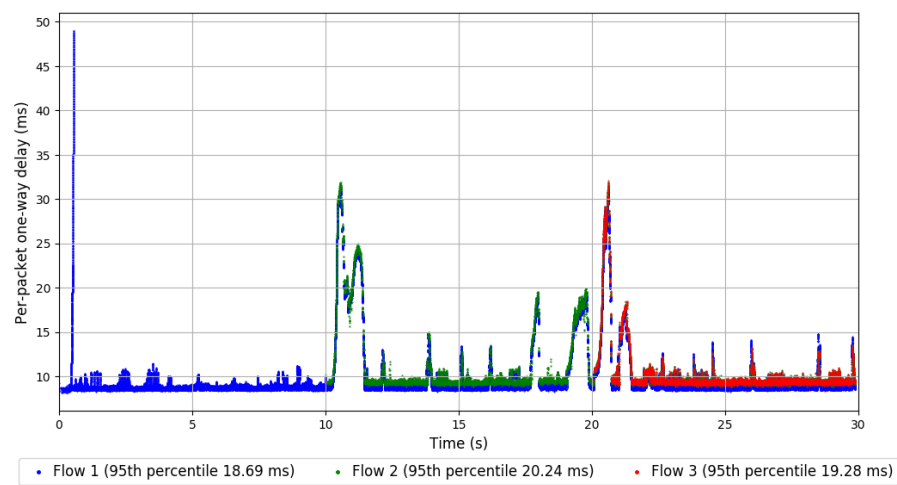
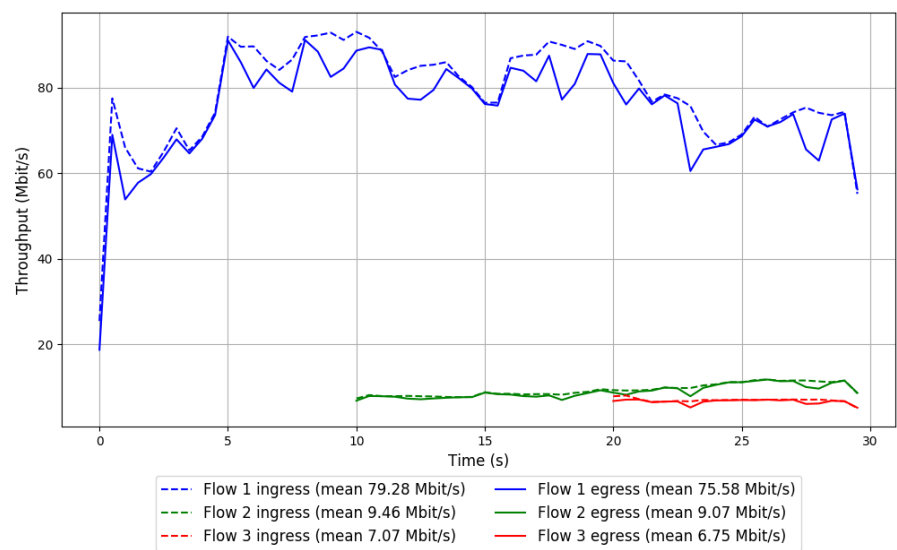


Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 21:21:10
End at: 2018-04-24 21:21:40
Local clock offset: -0.106 ms
Remote clock offset: -11.043 ms

Below is generated by plot.py at 2018-04-25 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 18.776 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 18.686 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 20.244 ms
Loss rate: 4.14%
-- Flow 3:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 19.284 ms
Loss rate: 4.66%

Run 3: Report of PCC-Allegro — Data Link

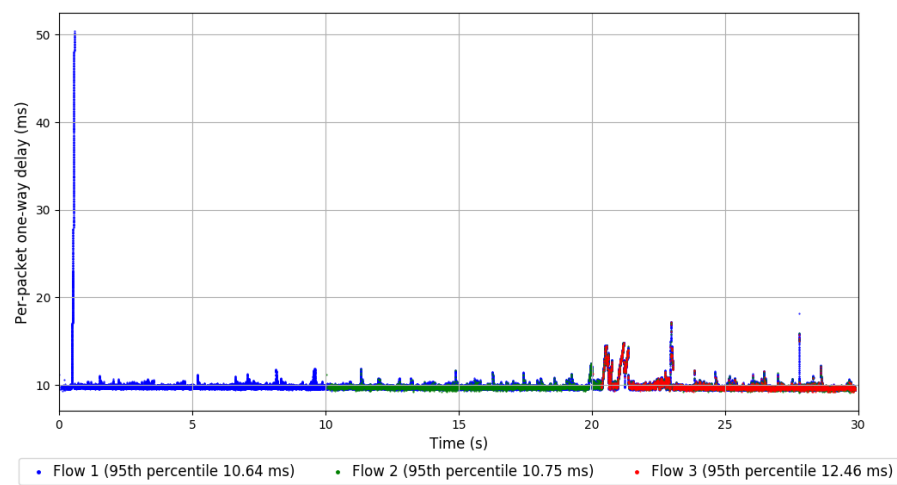
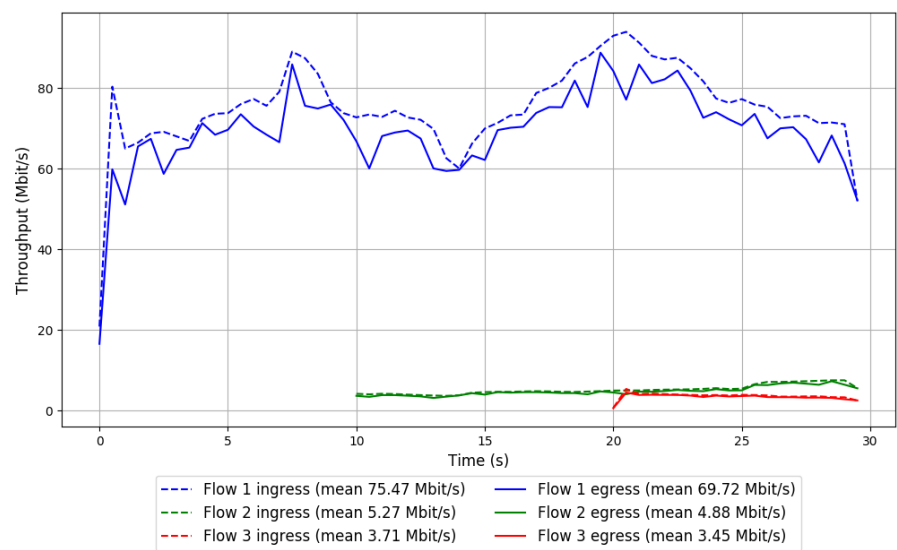


Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 21:40:36
End at: 2018-04-24 21:41:06
Local clock offset: -0.291 ms
Remote clock offset: -5.405 ms

Below is generated by plot.py at 2018-04-25 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 10.675 ms
Loss rate: 7.60%
-- Flow 1:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 10.640 ms
Loss rate: 7.62%
-- Flow 2:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 10.748 ms
Loss rate: 7.31%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 12.459 ms
Loss rate: 7.03%

Run 4: Report of PCC-Allegro — Data Link

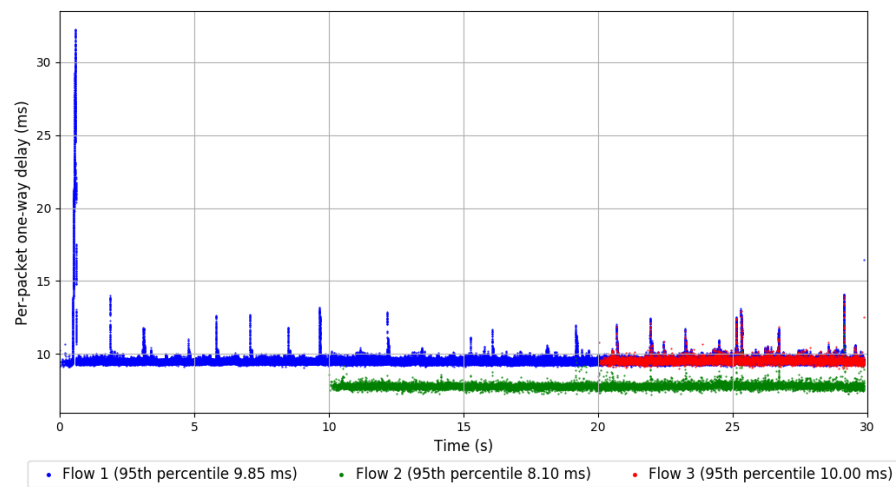
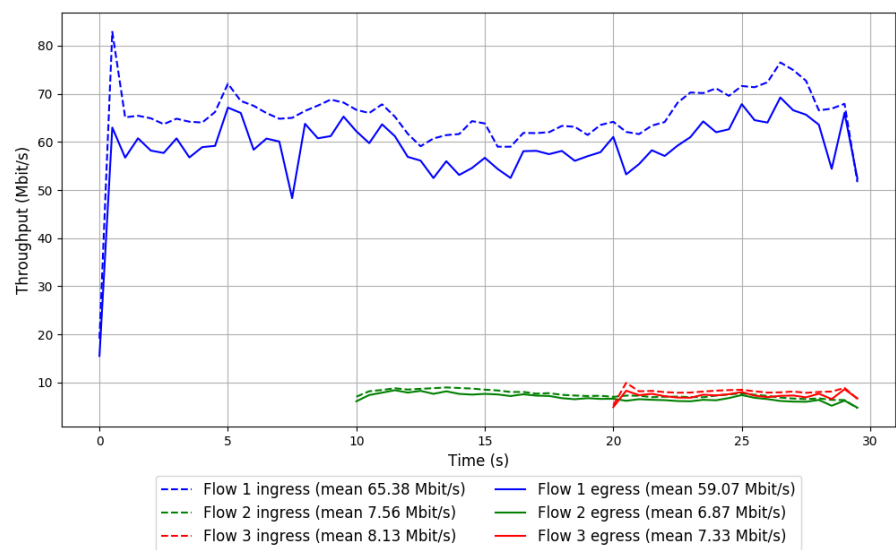


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 22:00:12
End at: 2018-04-24 22:00:42
Local clock offset: 0.113 ms
Remote clock offset: -2.443 ms

Below is generated by plot.py at 2018-04-25 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 9.839 ms
Loss rate: 9.61%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 9.848 ms
Loss rate: 9.63%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 8.098 ms
Loss rate: 9.13%
-- Flow 3:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 9.996 ms
Loss rate: 9.82%

Run 5: Report of PCC-Allegro — Data Link

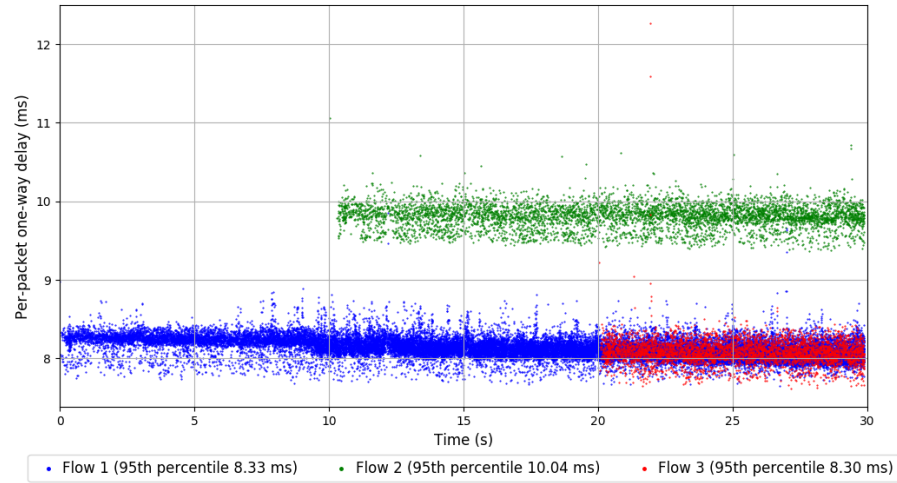
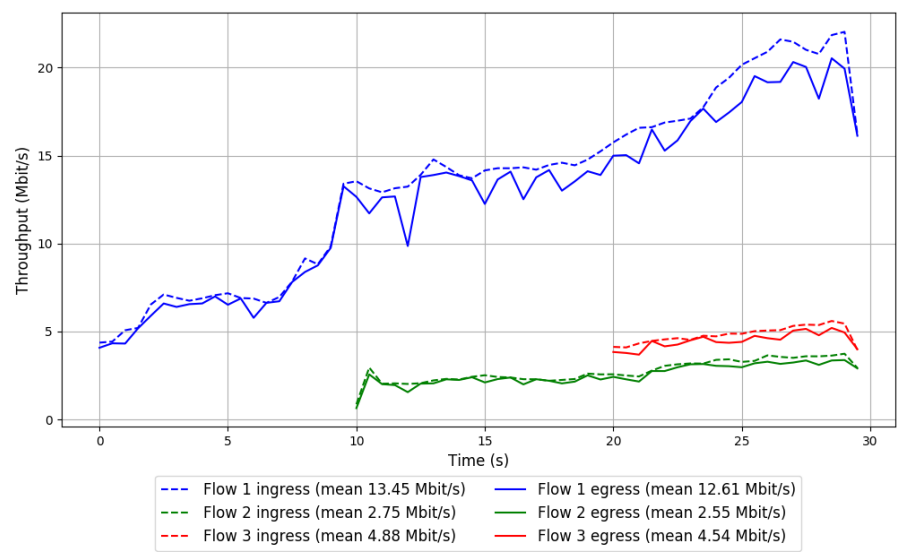


Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 22:19:59
End at: 2018-04-24 22:20:29
Local clock offset: -8.236 ms
Remote clock offset: -5.576 ms

Below is generated by plot.py at 2018-04-25 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 9.852 ms
Loss rate: 6.44%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 8.331 ms
Loss rate: 6.29%
-- Flow 2:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 10.045 ms
Loss rate: 7.16%
-- Flow 3:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 8.296 ms
Loss rate: 6.87%

Run 6: Report of PCC-Allegro — Data Link

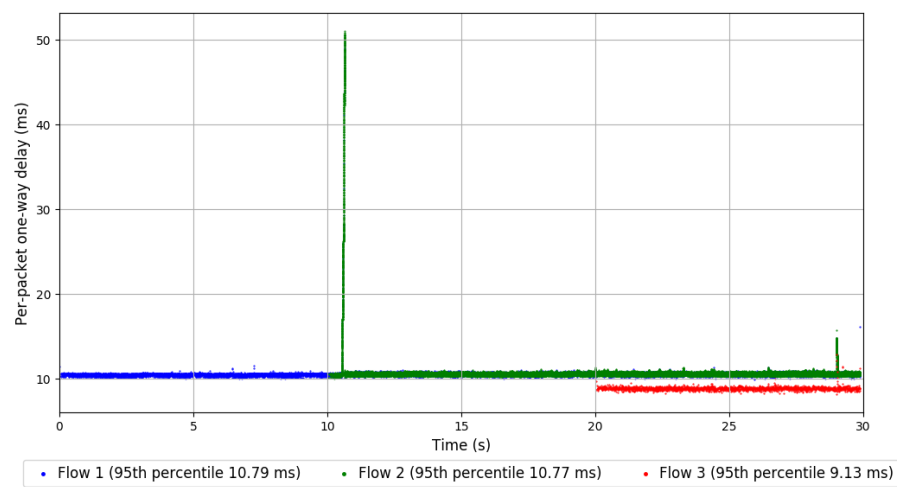
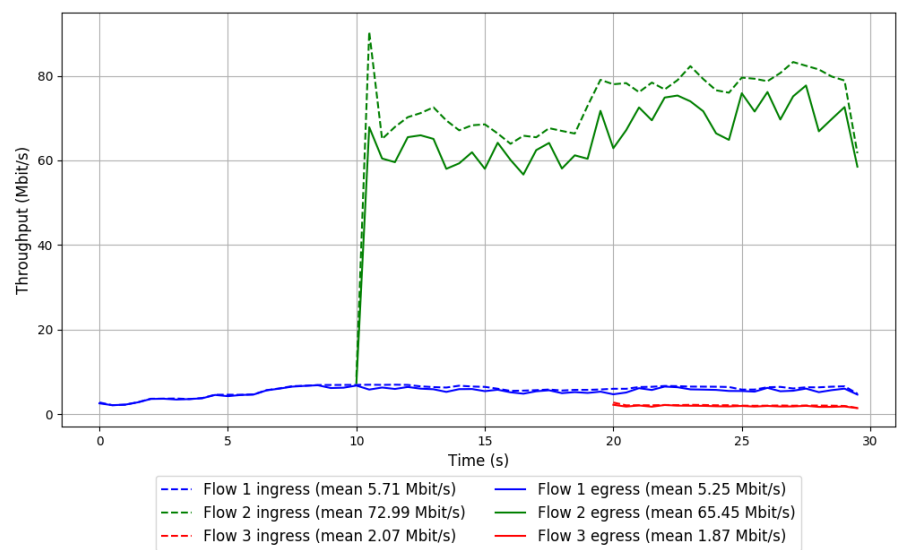


Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 22:39:48
End at: 2018-04-24 22:40:18
Local clock offset: -13.912 ms
Remote clock offset: -6.89 ms

Below is generated by plot.py at 2018-04-25 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 10.769 ms
Loss rate: 10.08%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 10.795 ms
Loss rate: 7.94%
-- Flow 2:
Average throughput: 65.45 Mbit/s
95th percentile per-packet one-way delay: 10.766 ms
Loss rate: 10.34%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 9.131 ms
Loss rate: 9.62%

Run 7: Report of PCC-Allegro — Data Link

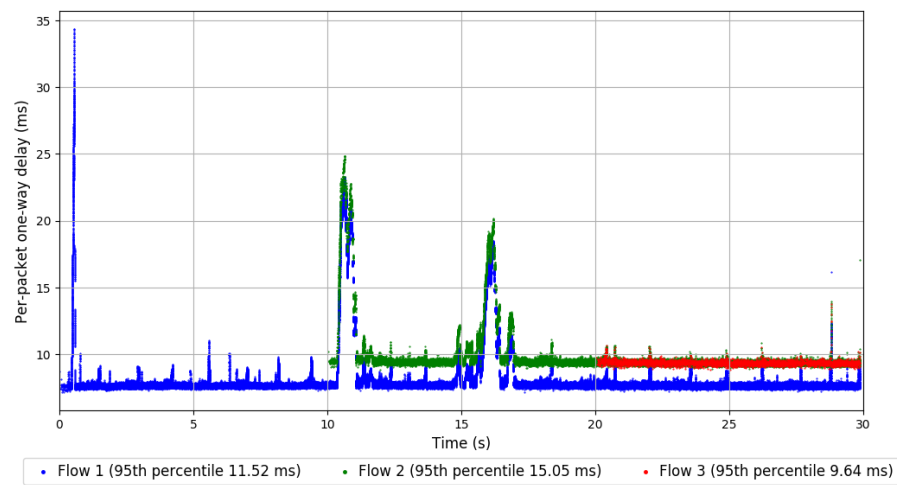
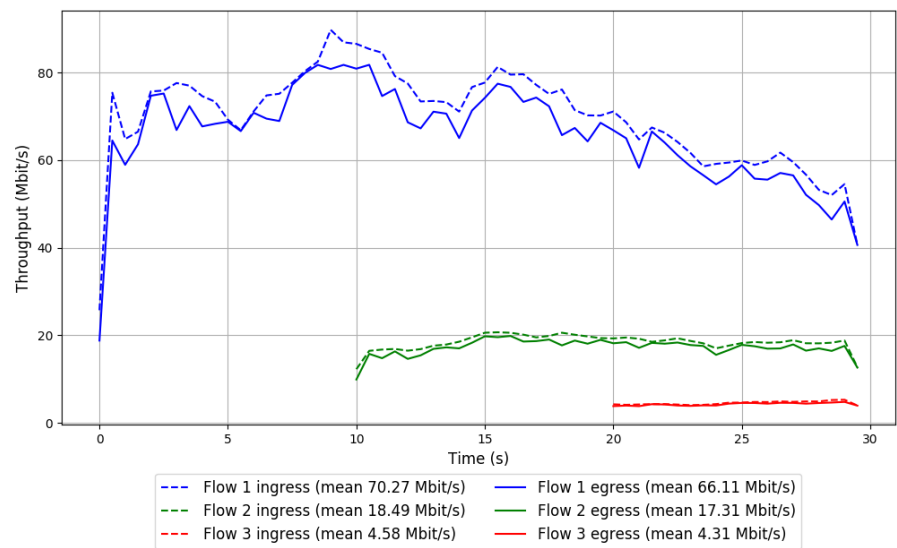


Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 22:59:36
End at: 2018-04-24 23:00:06
Local clock offset: -15.959 ms
Remote clock offset: -7.443 ms

Below is generated by plot.py at 2018-04-25 00:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 11.933 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 11.524 ms
Loss rate: 5.93%
-- Flow 2:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 15.053 ms
Loss rate: 6.34%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 9.636 ms
Loss rate: 5.93%

Run 8: Report of PCC-Allegro — Data Link

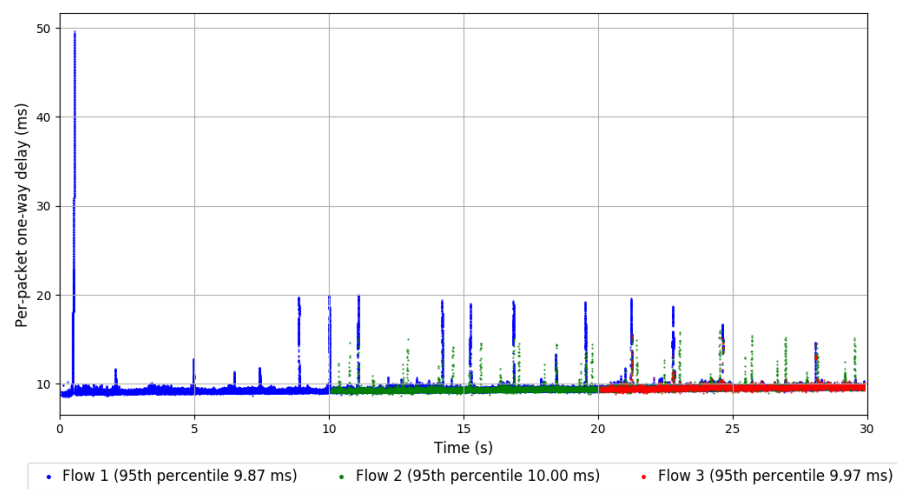
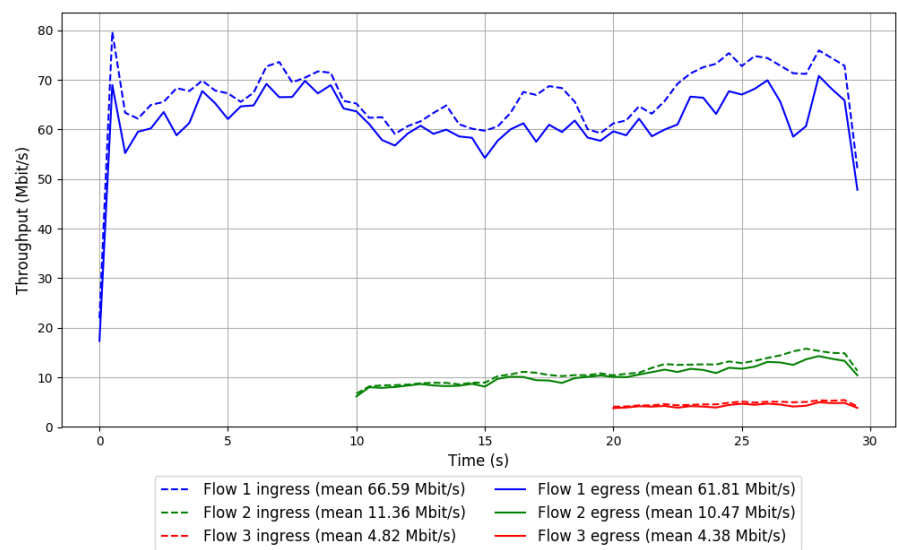


Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 23:19:45
End at: 2018-04-24 23:20:15
Local clock offset: -13.599 ms
Remote clock offset: -7.402 ms

Below is generated by plot.py at 2018-04-25 00:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 9.883 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 9.865 ms
Loss rate: 7.18%
-- Flow 2:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 9.997 ms
Loss rate: 7.89%
-- Flow 3:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 9.967 ms
Loss rate: 9.22%

Run 9: Report of PCC-Allegro — Data Link

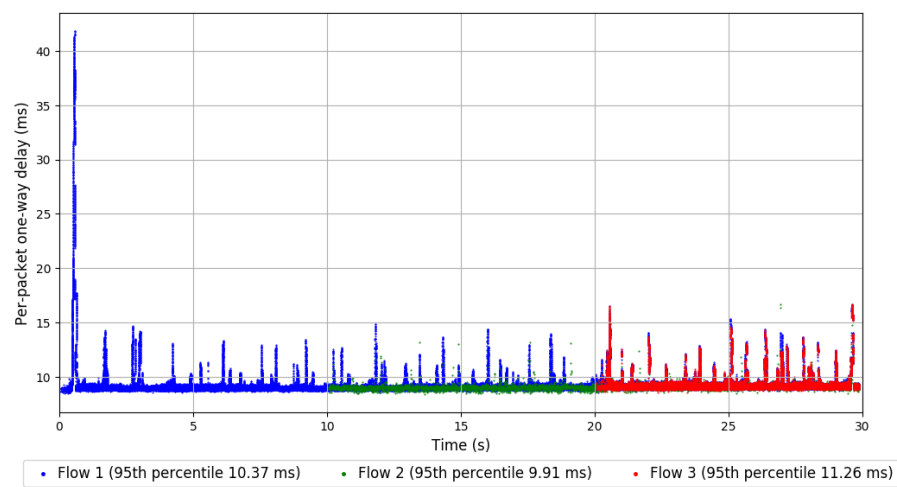
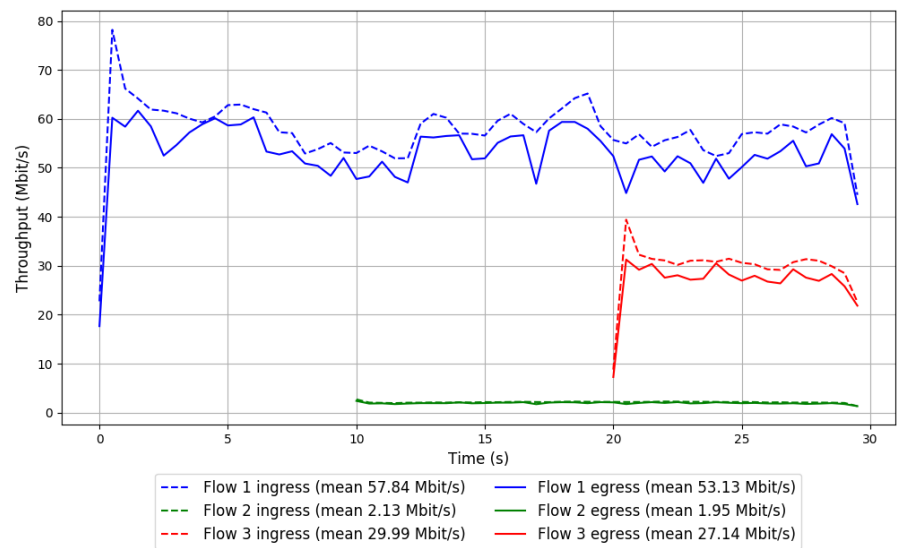


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 23:39:24
End at: 2018-04-24 23:39:54
Local clock offset: -3.521 ms
Remote clock offset: -7.392 ms

Below is generated by plot.py at 2018-04-25 00:16:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 10.504 ms
Loss rate: 8.35%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 8.16%
-- Flow 2:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 9.915 ms
Loss rate: 8.32%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 11.258 ms
Loss rate: 9.51%

Run 10: Report of PCC-Allegro — Data Link

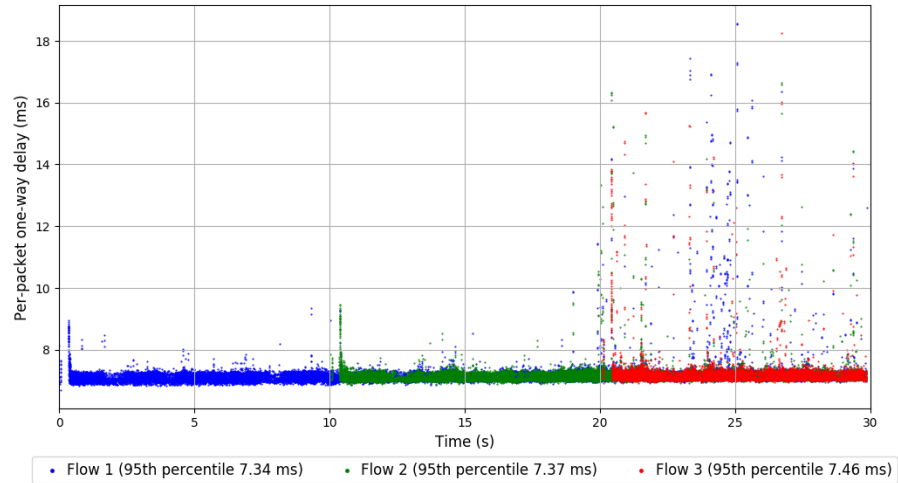
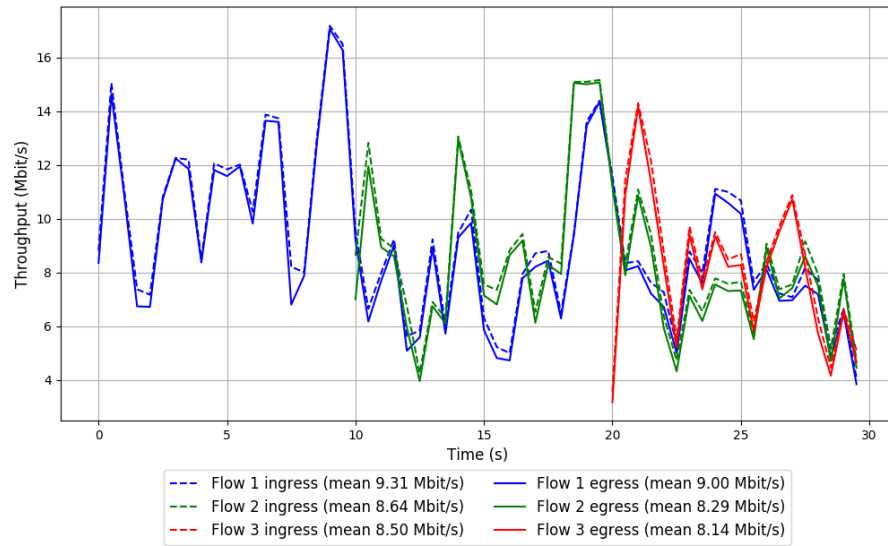


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 20:40:47
End at: 2018-04-24 20:41:17
Local clock offset: 1.695 ms
Remote clock offset: -10.258 ms

Below is generated by plot.py at 2018-04-25 00:16:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 7.366 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 7.343 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 7.370 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 7.457 ms
Loss rate: 4.20%

Run 1: Report of QUIC Cubic — Data Link

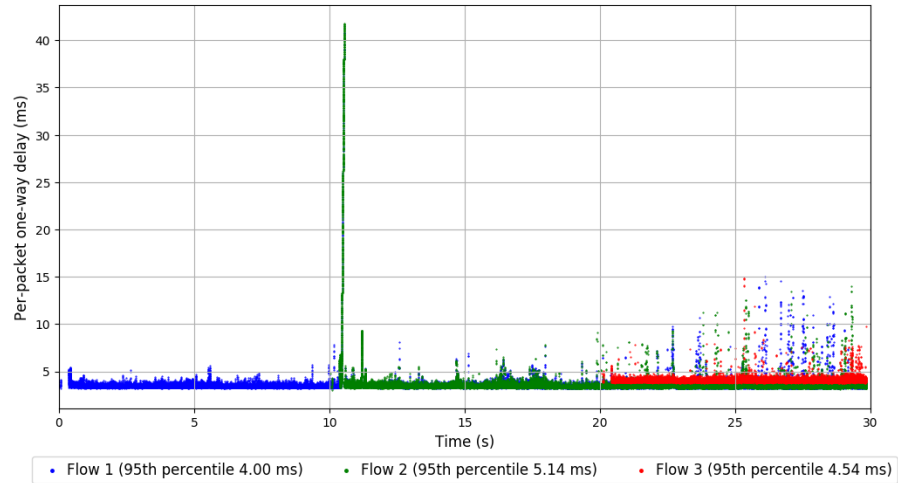
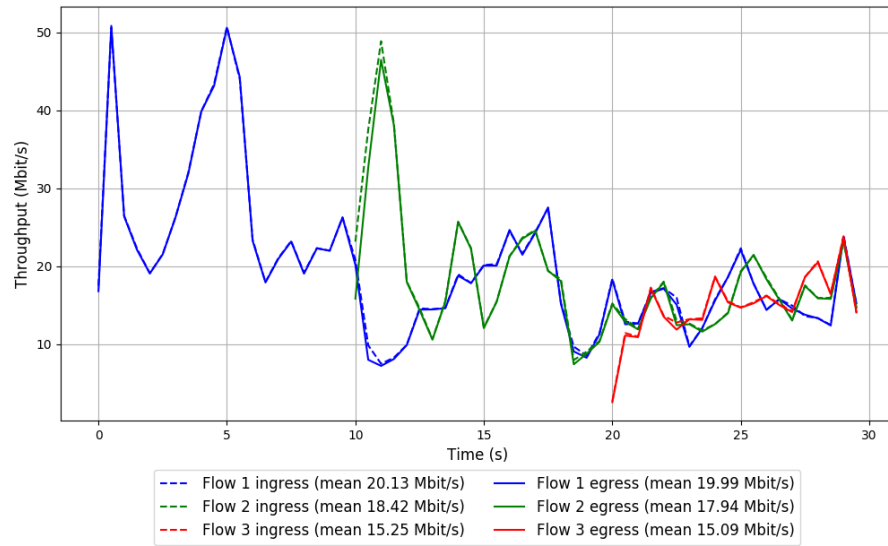


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 21:00:29
End at: 2018-04-24 21:00:59
Local clock offset: 5.309 ms
Remote clock offset: -11.575 ms

Below is generated by plot.py at 2018-04-25 00:17:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 4.389 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 4.000 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 17.94 Mbit/s
95th percentile per-packet one-way delay: 5.143 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 4.543 ms
Loss rate: 0.94%

Run 2: Report of QUIC Cubic — Data Link

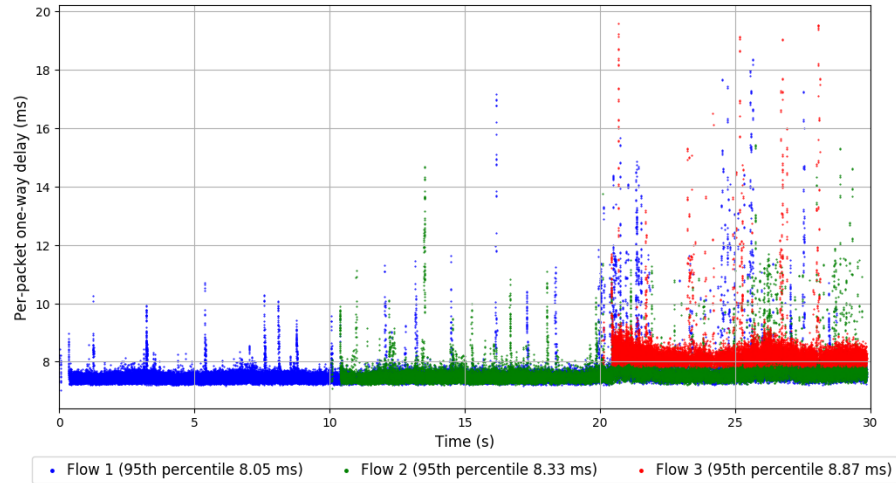
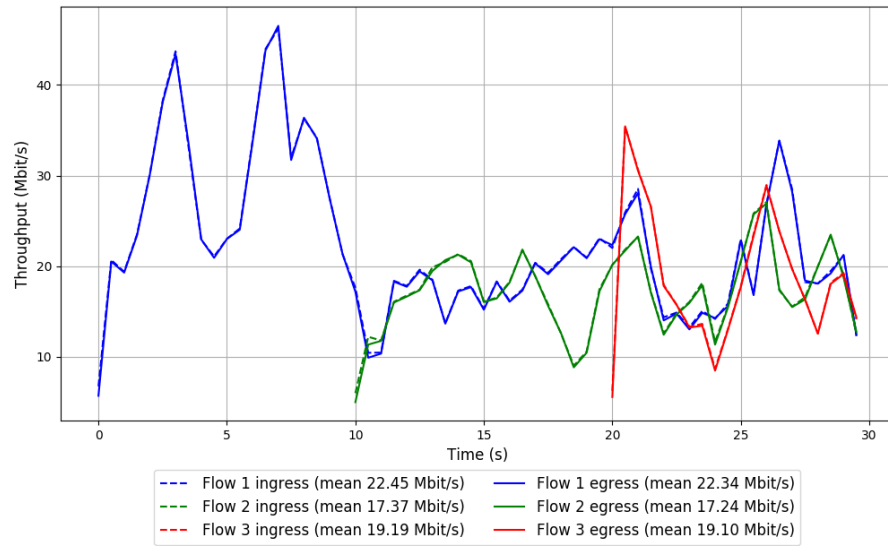


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 21:20:03
End at: 2018-04-24 21:20:33
Local clock offset: 0.488 ms
Remote clock offset: -11.486 ms

Below is generated by plot.py at 2018-04-25 00:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 8.507 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 8.048 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 8.328 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 8.868 ms
Loss rate: 0.49%

Run 3: Report of QUIC Cubic — Data Link

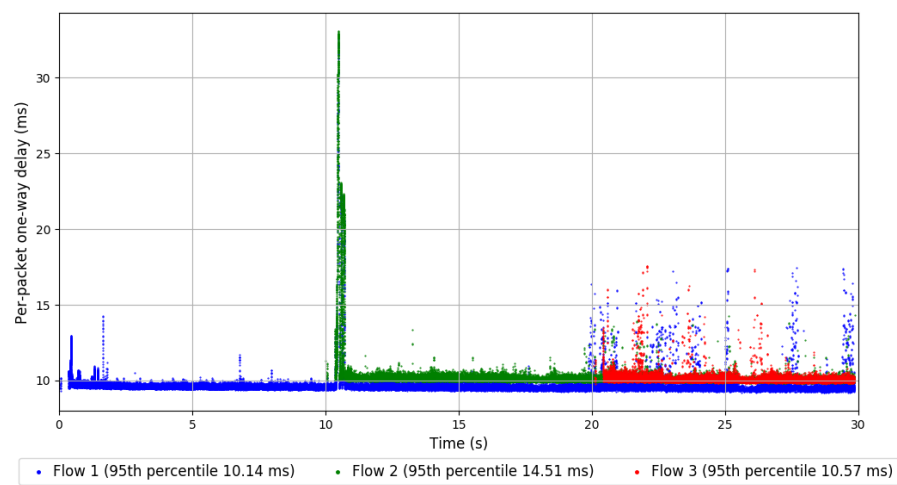
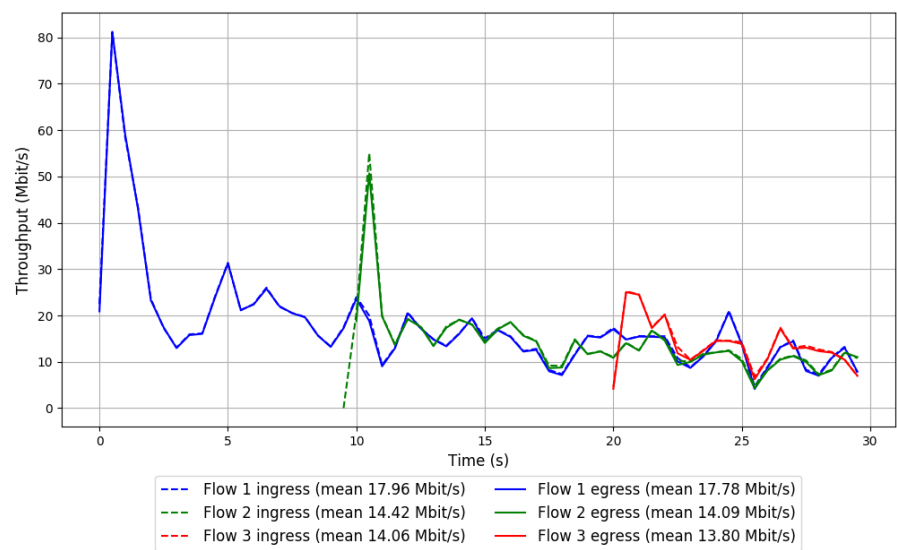


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 21:39:28
End at: 2018-04-24 21:39:58
Local clock offset: -0.892 ms
Remote clock offset: -5.961 ms

Below is generated by plot.py at 2018-04-25 00:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 10.698 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 10.143 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 14.512 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 10.574 ms
Loss rate: 1.82%

Run 4: Report of QUIC Cubic — Data Link

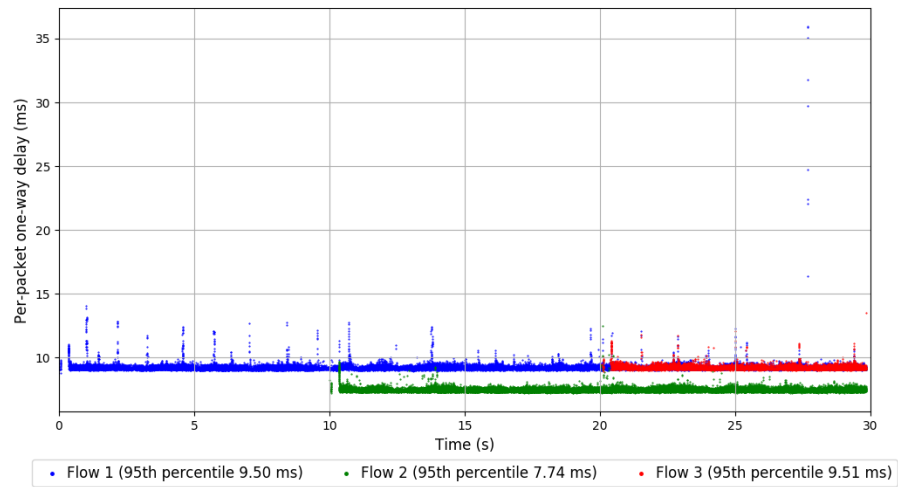
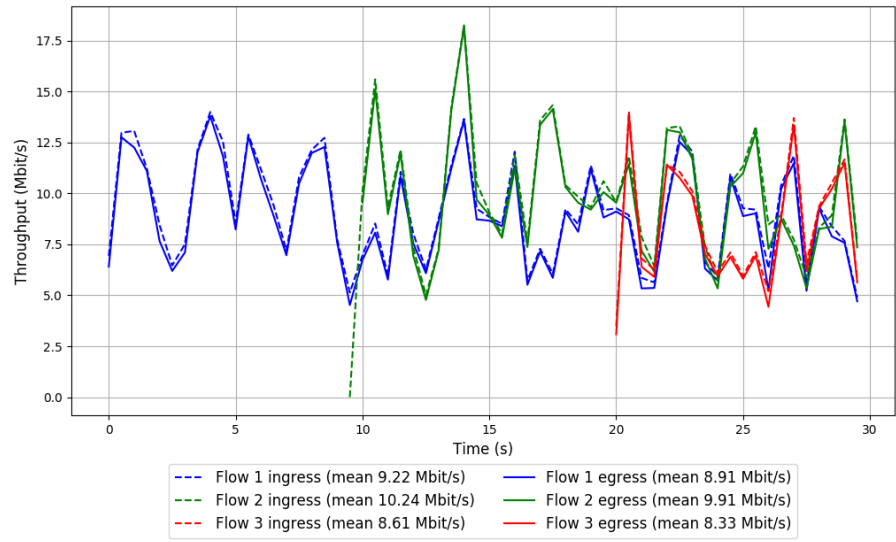


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 21:59:06
End at: 2018-04-24 21:59:36
Local clock offset: 0.06 ms
Remote clock offset: -2.781 ms

Below is generated by plot.py at 2018-04-25 00:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 9.436 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 9.503 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 7.742 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 9.509 ms
Loss rate: 3.22%

Run 5: Report of QUIC Cubic — Data Link

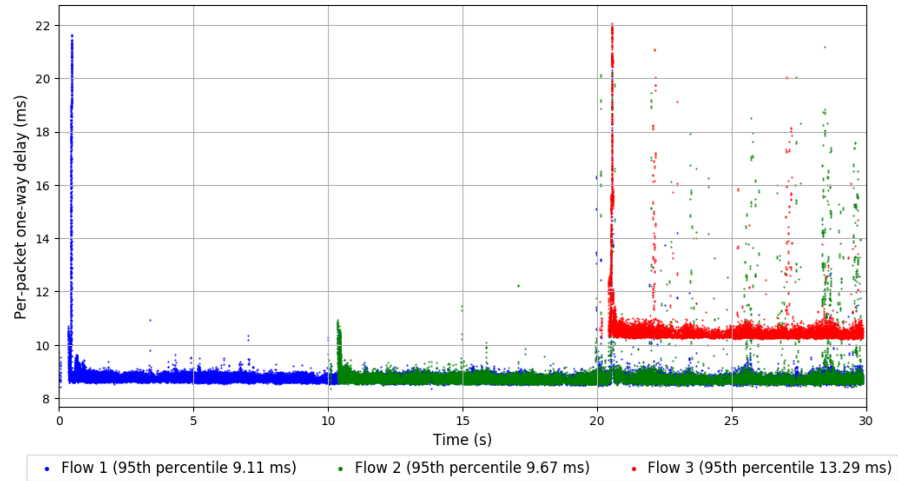
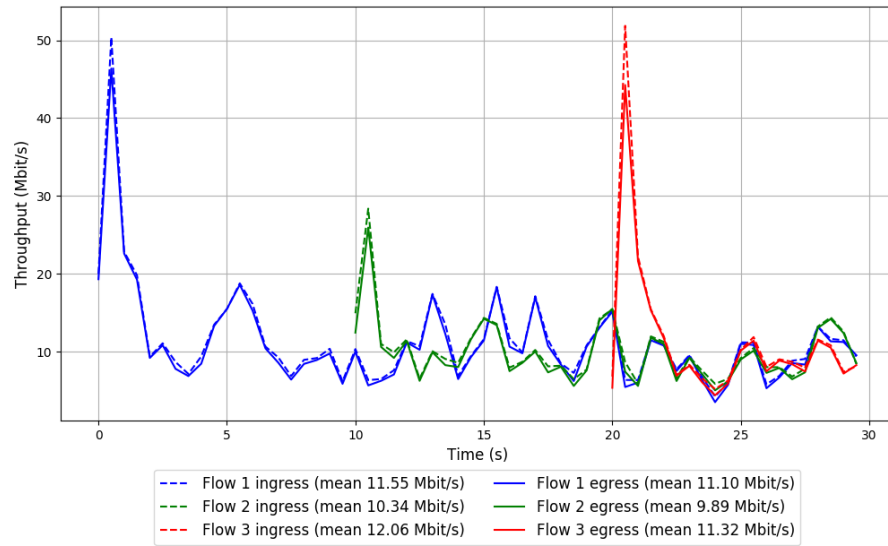


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 22:18:52
End at: 2018-04-24 22:19:22
Local clock offset: -9.077 ms
Remote clock offset: -6.096 ms

Below is generated by plot.py at 2018-04-25 00:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 10.677 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 9.112 ms
Loss rate: 3.83%
-- Flow 2:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 9.673 ms
Loss rate: 4.36%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 13.285 ms
Loss rate: 6.19%

Run 6: Report of QUIC Cubic — Data Link

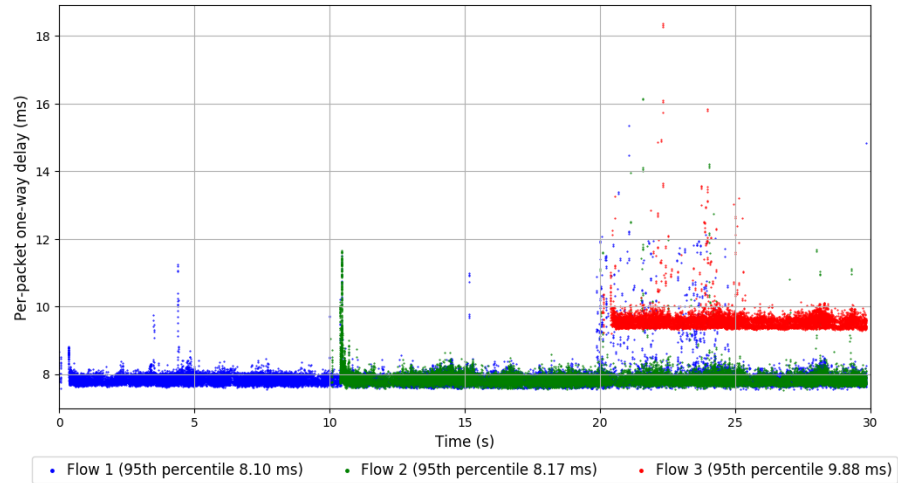
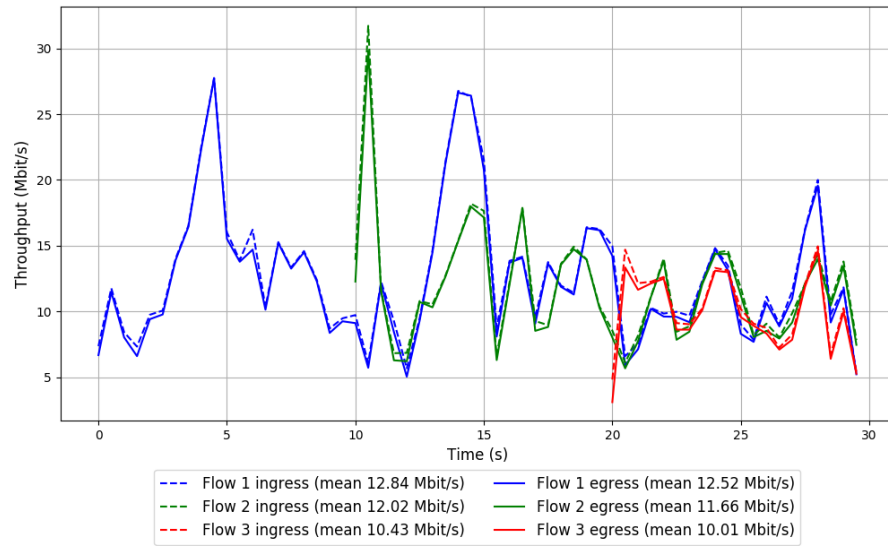


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 22:38:39
End at: 2018-04-24 22:39:09
Local clock offset: -12.815 ms
Remote clock offset: -6.867 ms

Below is generated by plot.py at 2018-04-25 00:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 9.632 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 8.103 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 8.168 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 9.879 ms
Loss rate: 4.05%

Run 7: Report of QUIC Cubic — Data Link

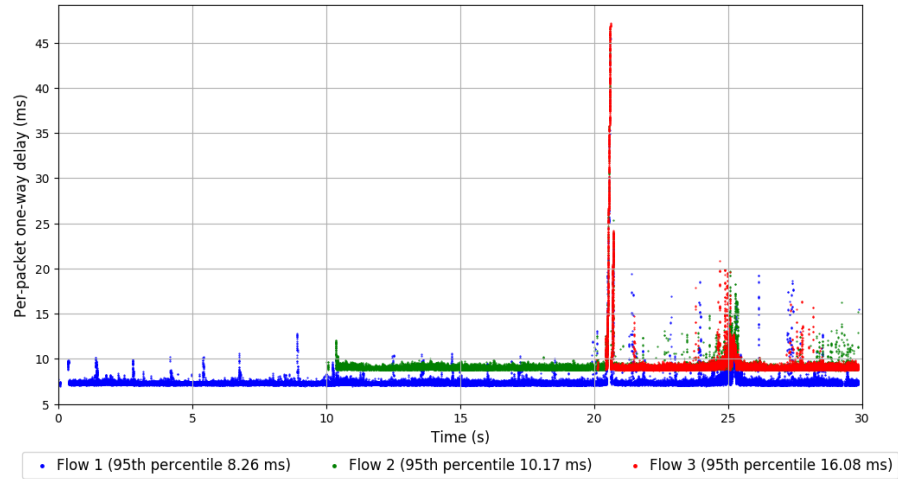
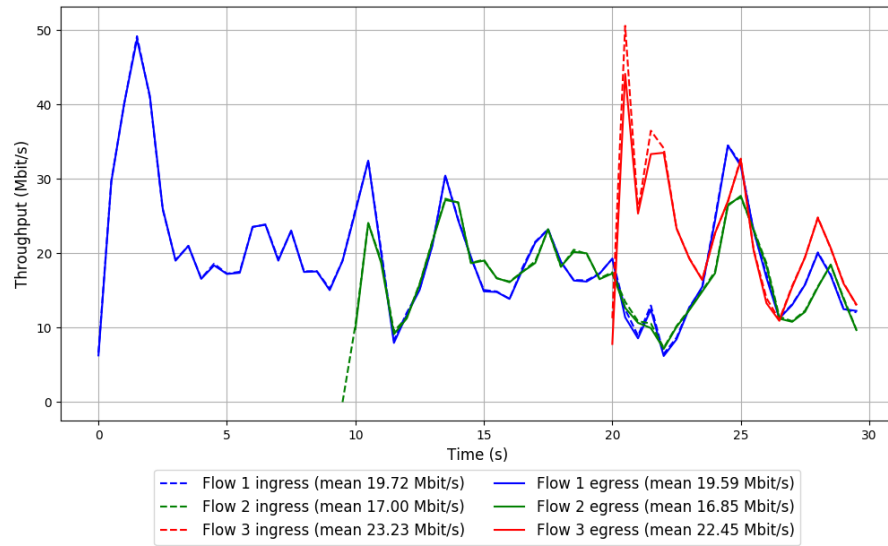


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 22:58:28
End at: 2018-04-24 22:58:58
Local clock offset: -15.464 ms
Remote clock offset: -7.342 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 9.955 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 8.259 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 10.174 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 16.079 ms
Loss rate: 3.37%

Run 8: Report of QUIC Cubic — Data Link

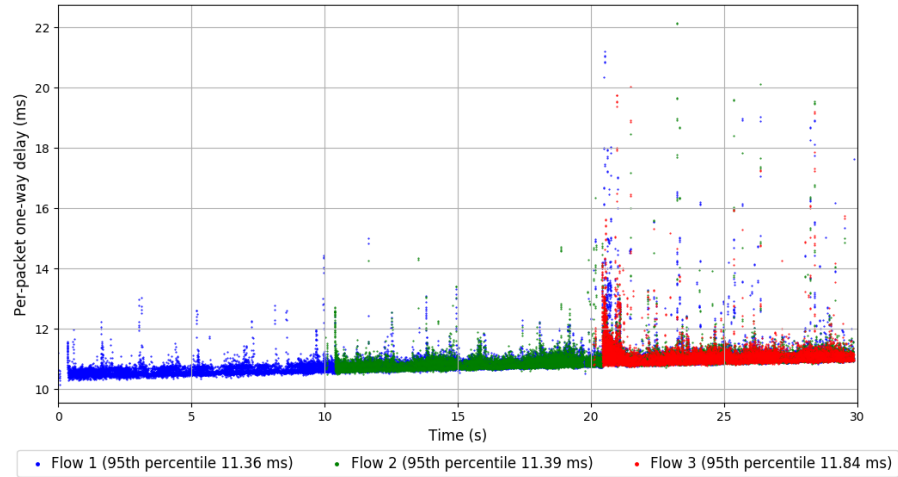
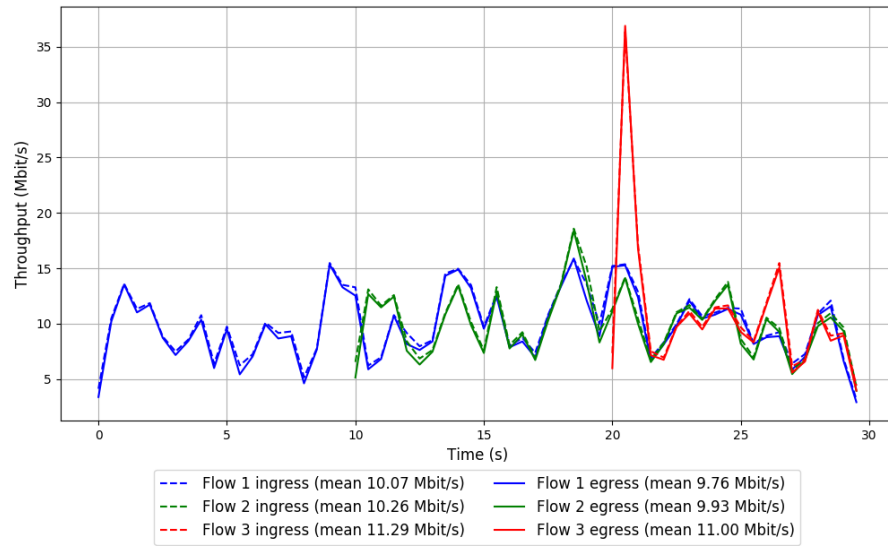


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 23:18:33
End at: 2018-04-24 23:19:03
Local clock offset: -14.014 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 11.451 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 11.357 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 11.392 ms
Loss rate: 3.28%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 11.837 ms
Loss rate: 2.63%

Run 9: Report of QUIC Cubic — Data Link

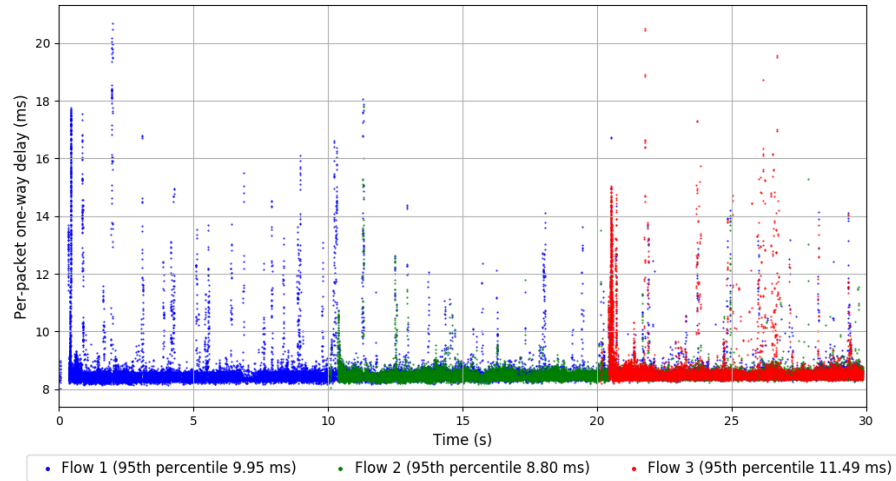
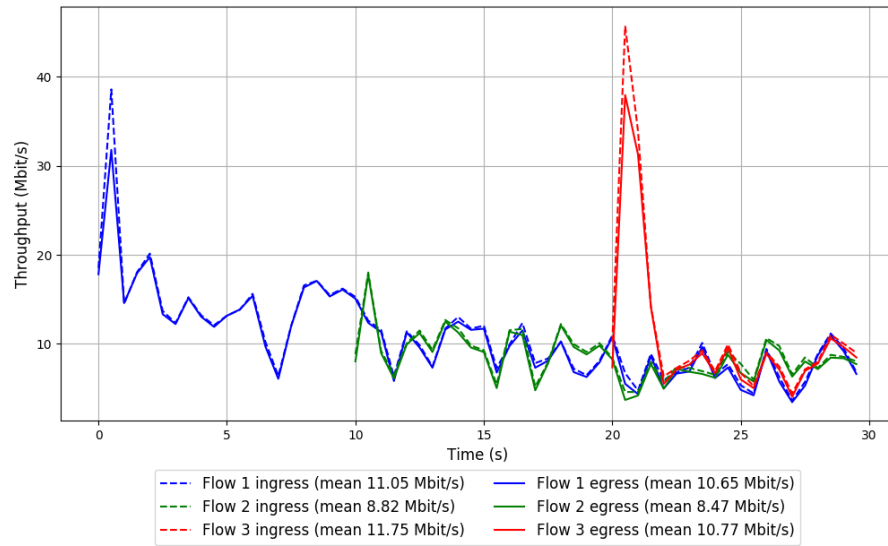


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 23:38:18
End at: 2018-04-24 23:38:48
Local clock offset: -3.655 ms
Remote clock offset: -7.771 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 9.737 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 9.953 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 8.801 ms
Loss rate: 3.97%
-- Flow 3:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 11.488 ms
Loss rate: 8.37%

Run 10: Report of QUIC Cubic — Data Link

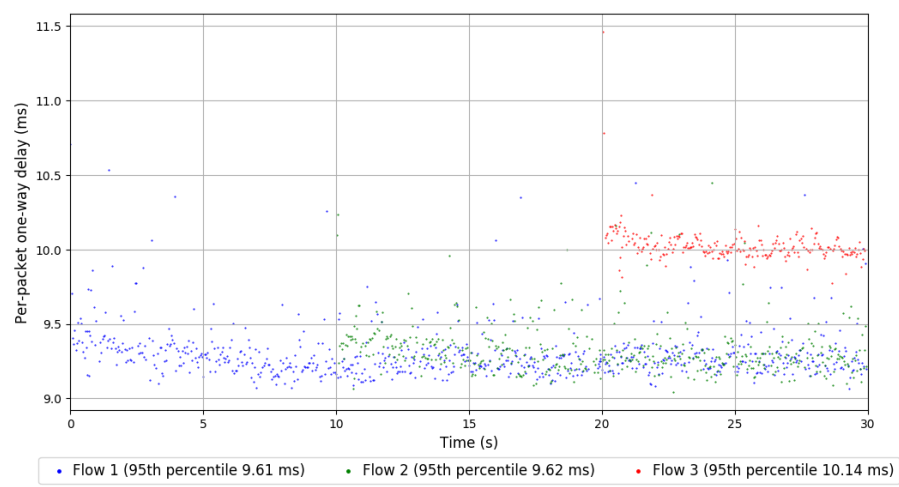
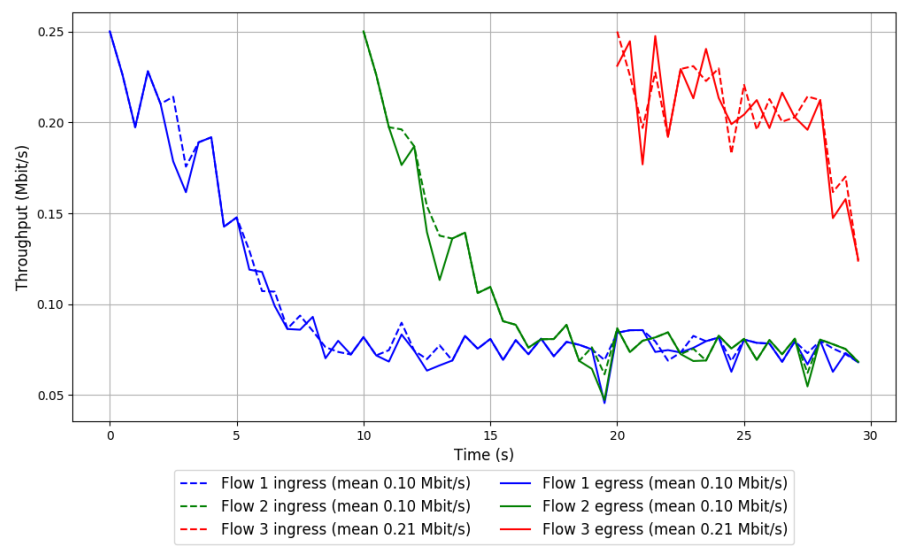


Run 1: Statistics of SCReAM

Start at: 2018-04-24 20:44:16
End at: 2018-04-24 20:44:46
Local clock offset: -0.295 ms
Remote clock offset: -9.991 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 10.064 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.614 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.617 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.143 ms
Loss rate: 1.07%

Run 1: Report of SReAM — Data Link

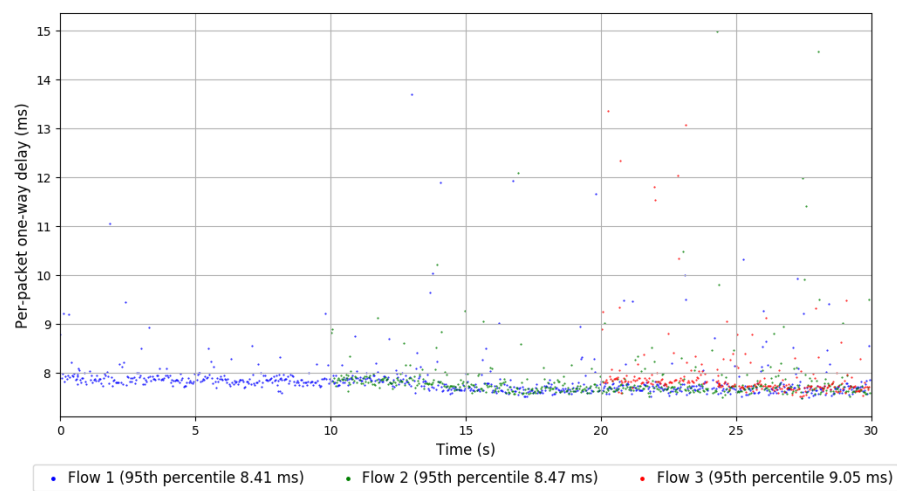
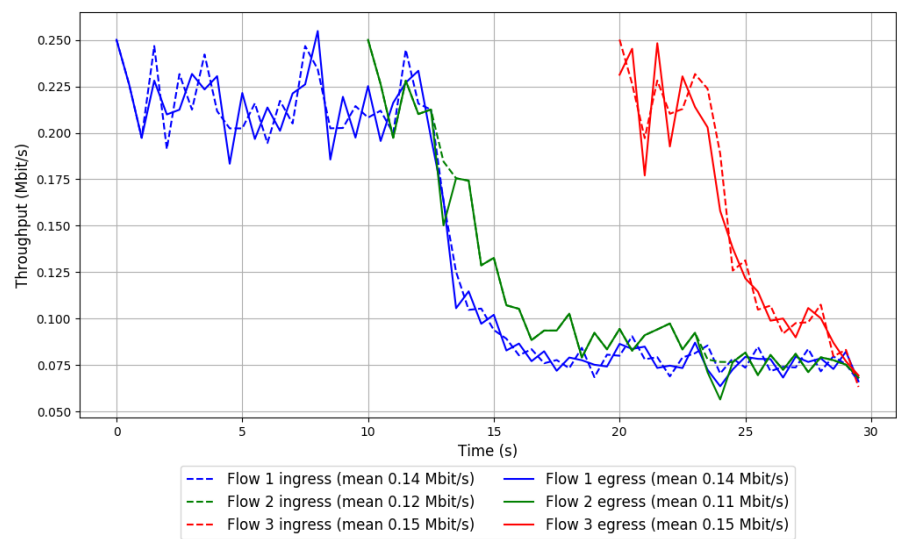


Run 2: Statistics of SCReAM

Start at: 2018-04-24 21:03:59
End at: 2018-04-24 21:04:29
Local clock offset: 0.671 ms
Remote clock offset: -11.335 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 8.518 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 8.408 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 8.472 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 9.050 ms
Loss rate: 1.88%

Run 2: Report of SReAM — Data Link

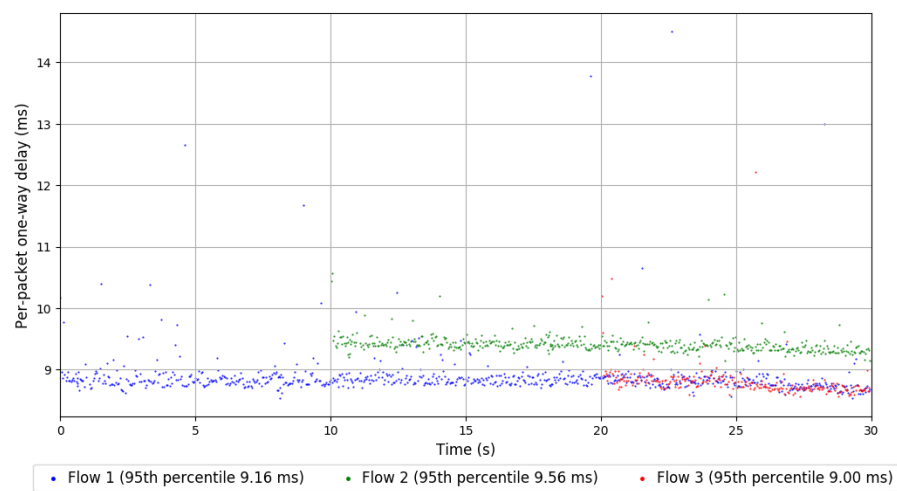
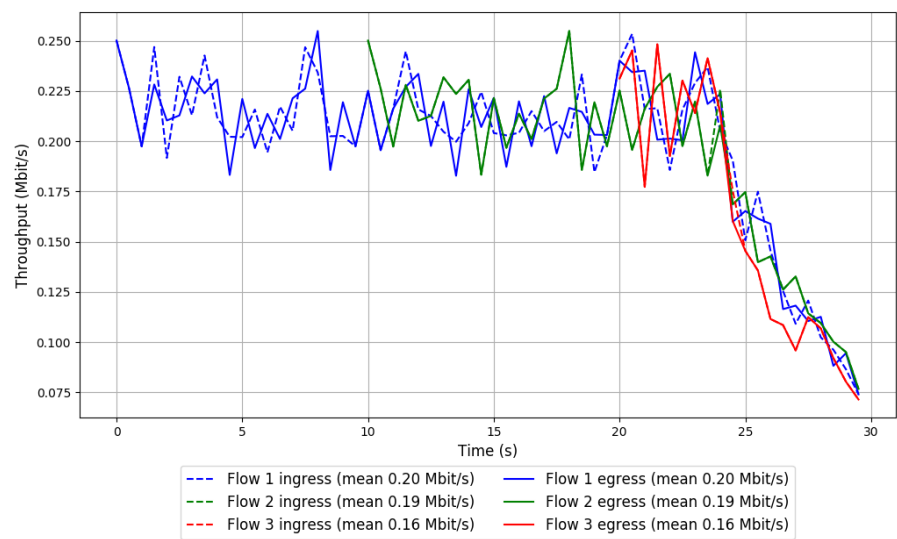


Run 3: Statistics of SCReAM

Start at: 2018-04-24 21:23:32
End at: 2018-04-24 21:24:02
Local clock offset: 0.031 ms
Remote clock offset: -10.66 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 9.516 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 9.159 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 9.559 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 9.002 ms
Loss rate: 0.47%

Run 3: Report of SReAM — Data Link

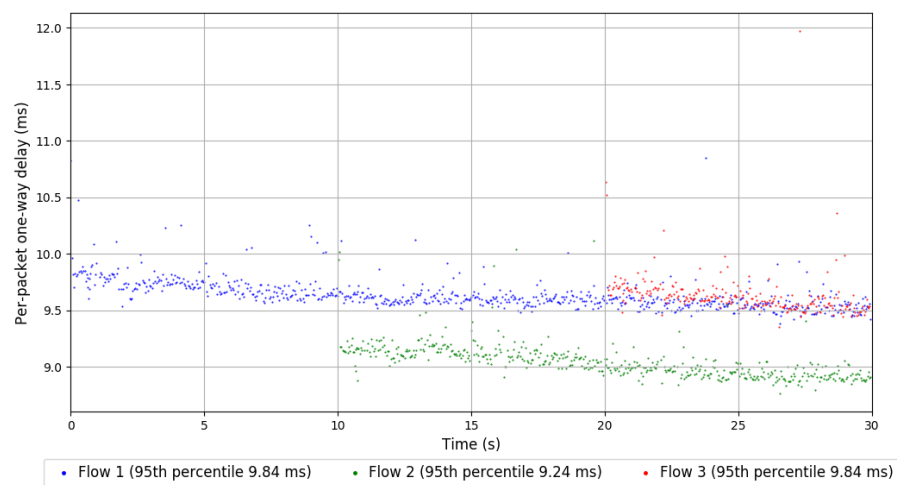
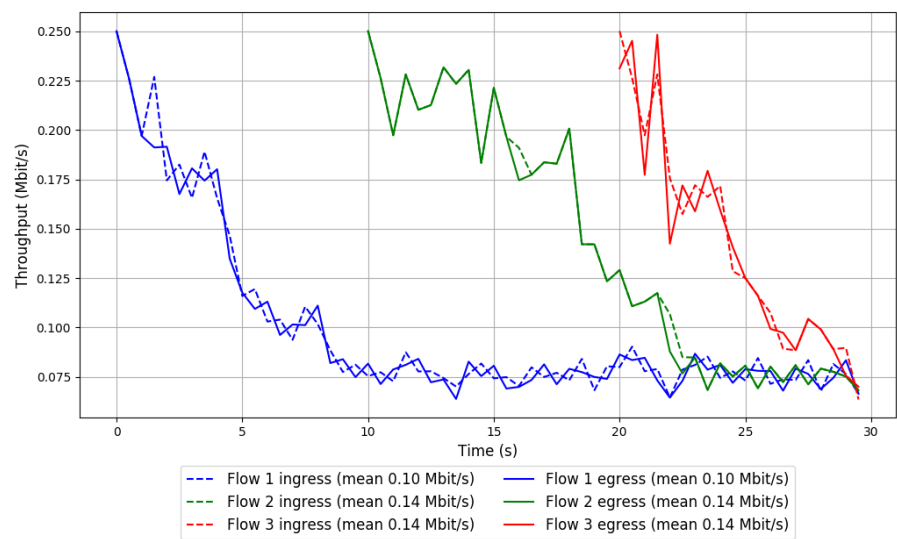


Run 4: Statistics of SReAM

Start at: 2018-04-24 21:42:58
End at: 2018-04-24 21:43:28
Local clock offset: -0.702 ms
Remote clock offset: -4.839 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 9.816 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.840 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 9.236 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 9.838 ms
Loss rate: 0.92%

Run 4: Report of SReAM — Data Link

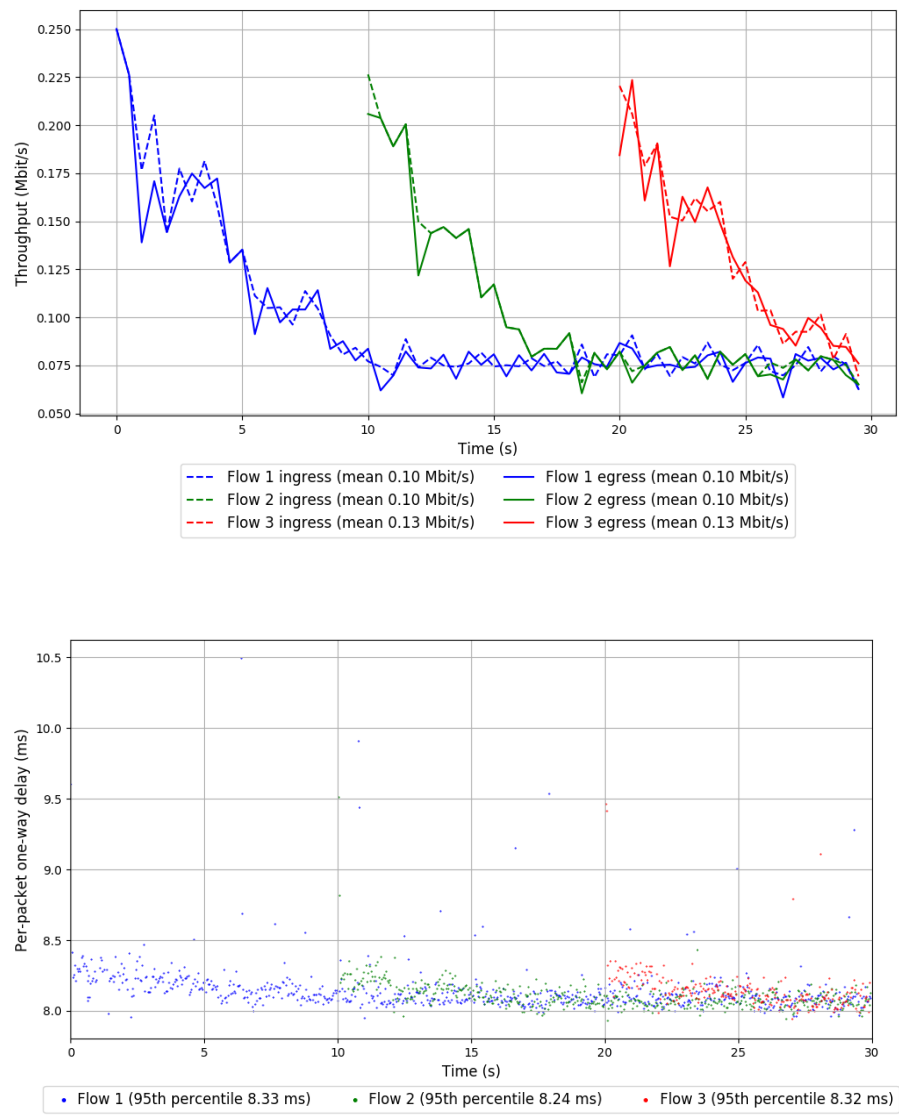


Run 5: Statistics of SCReAM

Start at: 2018-04-24 22:02:36
End at: 2018-04-24 22:03:06
Local clock offset: -0.565 ms
Remote clock offset: -2.298 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.301 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.332 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.245 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 8.316 ms
Loss rate: 1.88%

Run 5: Report of SReAM — Data Link

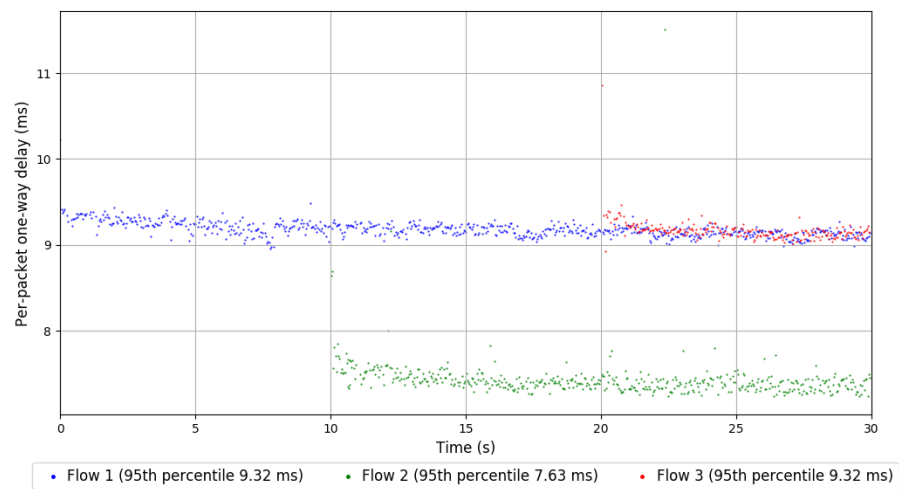
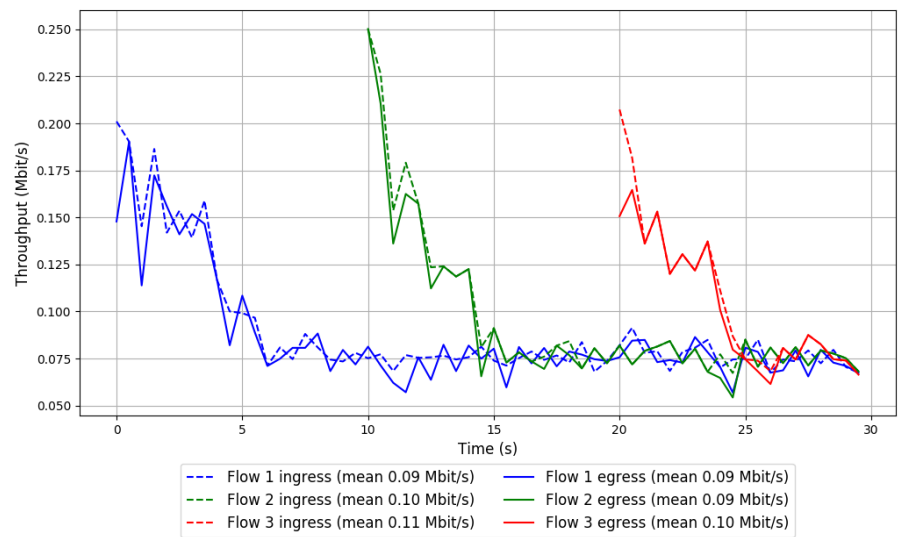


Run 6: Statistics of SReAM

Start at: 2018-04-24 22:22:21
End at: 2018-04-24 22:22:51
Local clock offset: -9.223 ms
Remote clock offset: -6.618 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 9.304 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 9.325 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.633 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.321 ms
Loss rate: 4.85%

Run 6: Report of SReAM — Data Link

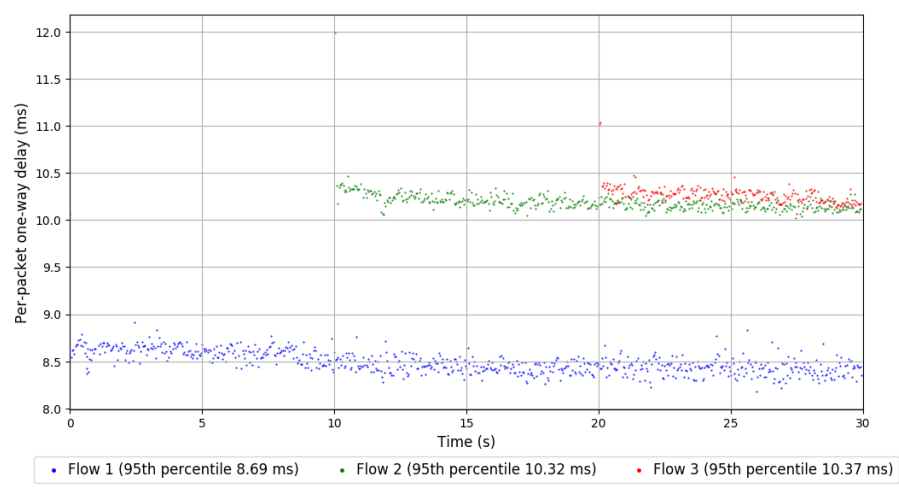
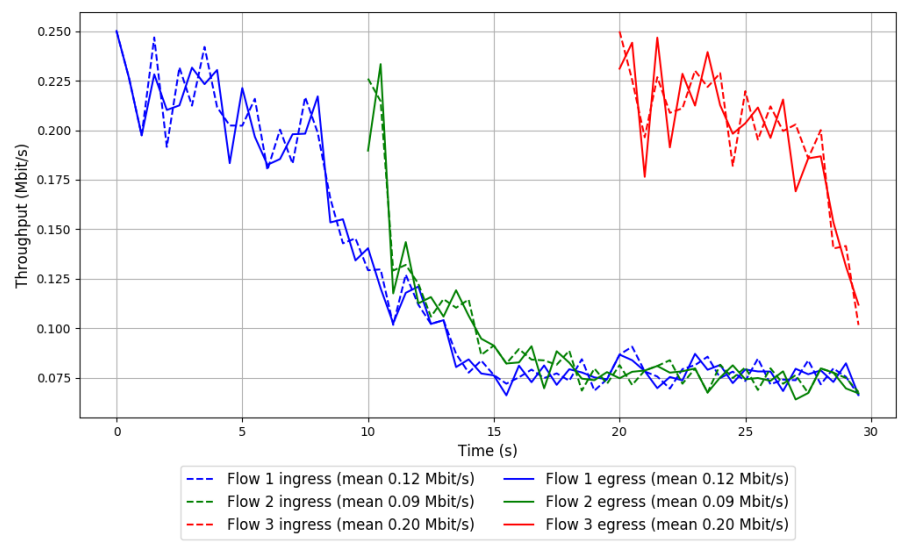


Run 7: Statistics of SReAM

Start at: 2018-04-24 22:42:11
End at: 2018-04-24 22:42:41
Local clock offset: -13.72 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 10.322 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 8.686 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.321 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 10.368 ms
Loss rate: 0.85%

Run 7: Report of SReAM — Data Link

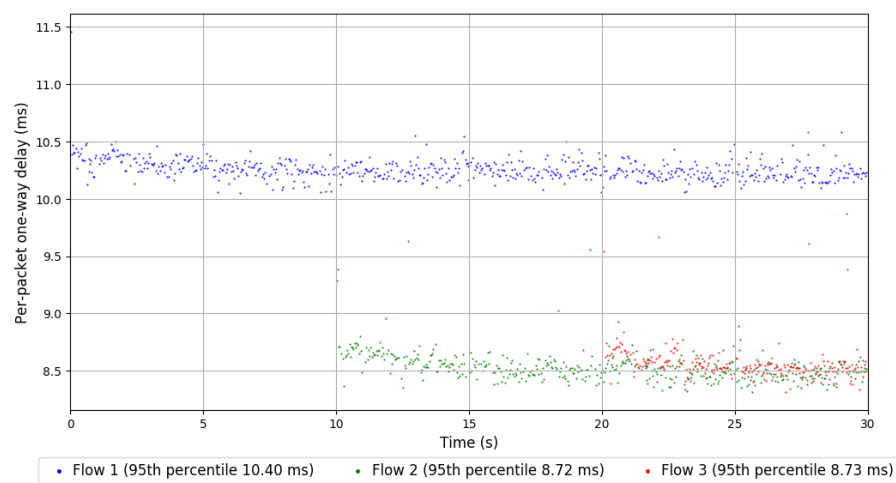
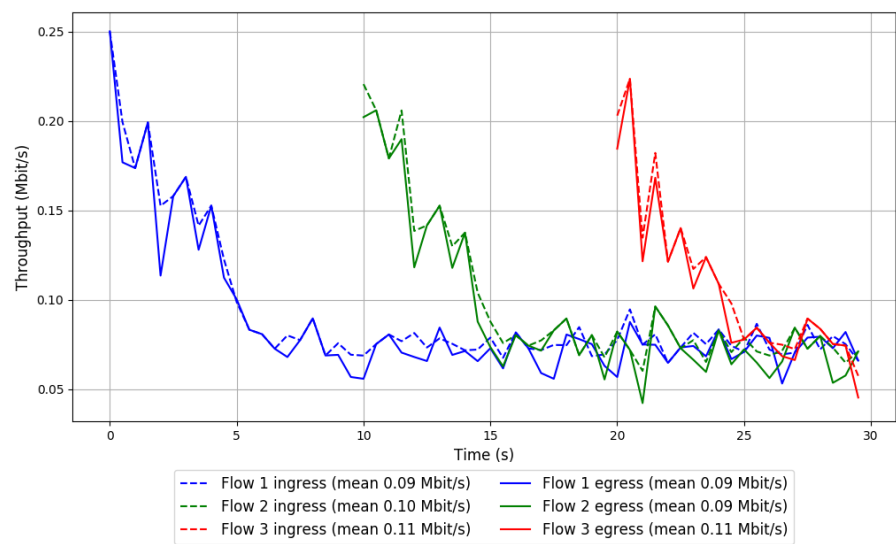


Run 8: Statistics of SCReAM

Start at: 2018-04-24 23:02:04
End at: 2018-04-24 23:02:34
Local clock offset: -16.598 ms
Remote clock offset: -6.592 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 10.365 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.396 ms
Loss rate: 5.01%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.720 ms
Loss rate: 5.85%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 8.733 ms
Loss rate: 4.65%

Run 8: Report of SReAM — Data Link

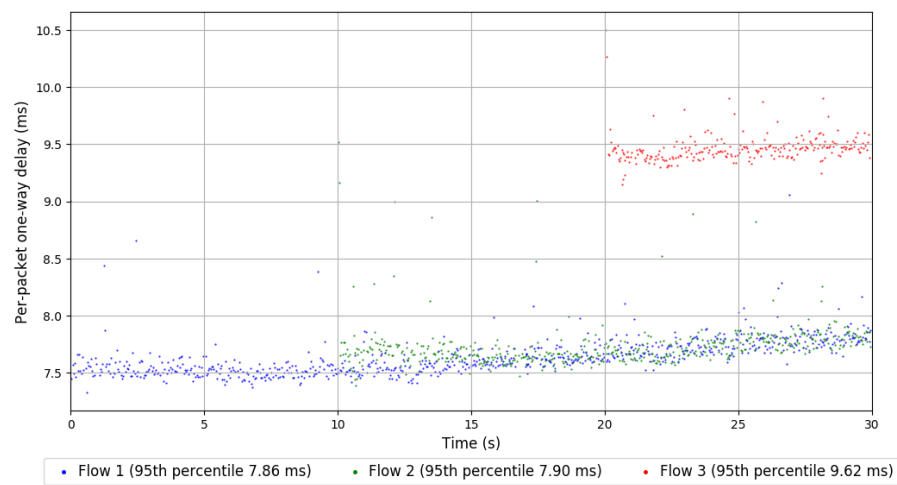
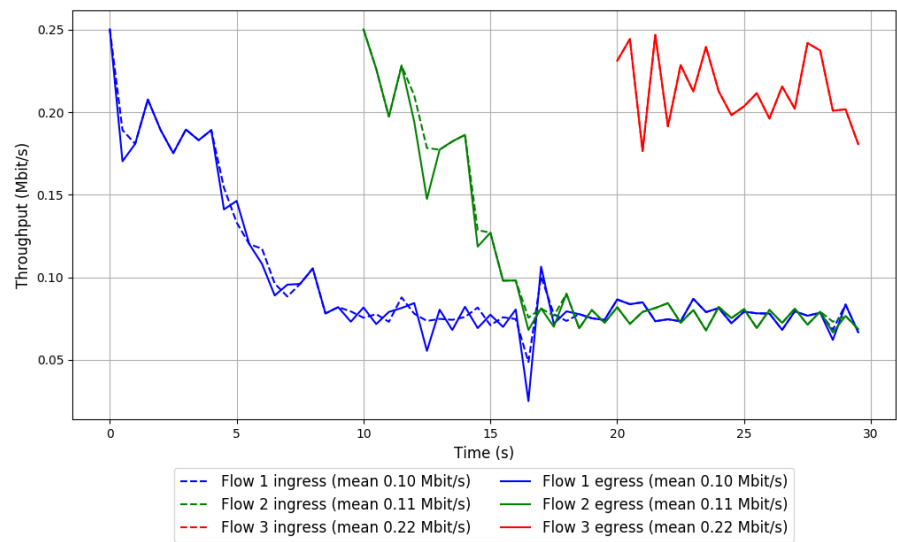


Run 9: Statistics of SCReAM

Start at: 2018-04-24 23:22:12
End at: 2018-04-24 23:22:42
Local clock offset: -10.235 ms
Remote clock offset: -7.891 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 9.482 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 7.857 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 7.896 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.619 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

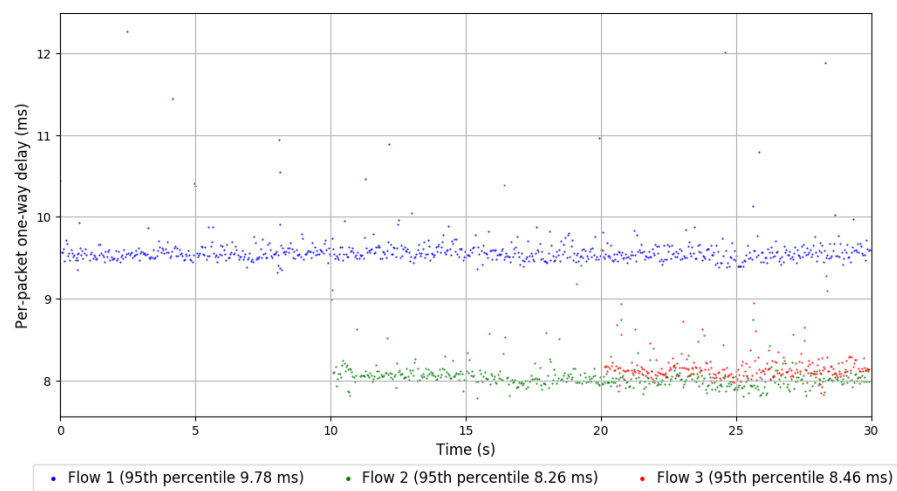
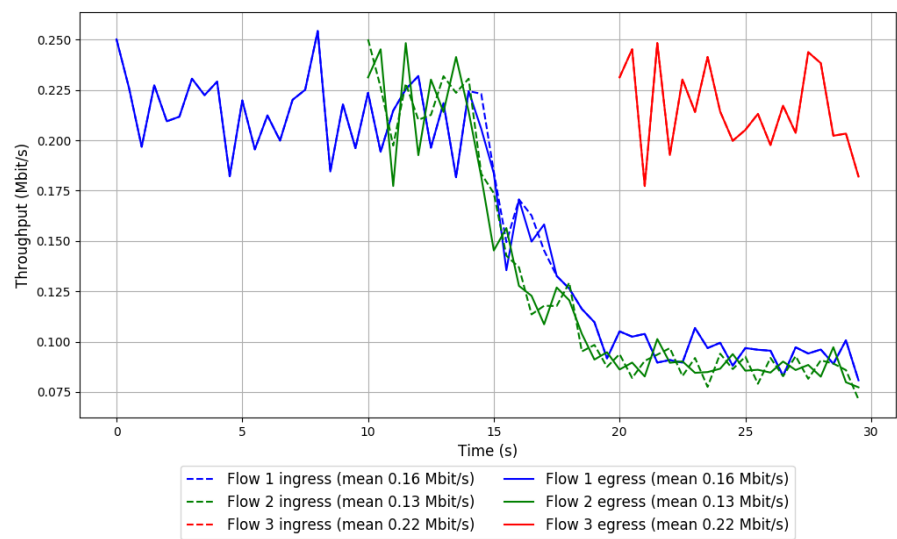


Run 10: Statistics of SReAM

Start at: 2018-04-24 23:41:49
End at: 2018-04-24 23:42:19
Local clock offset: -1.882 ms
Remote clock offset: -7.071 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 9.687 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 8.264 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.456 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

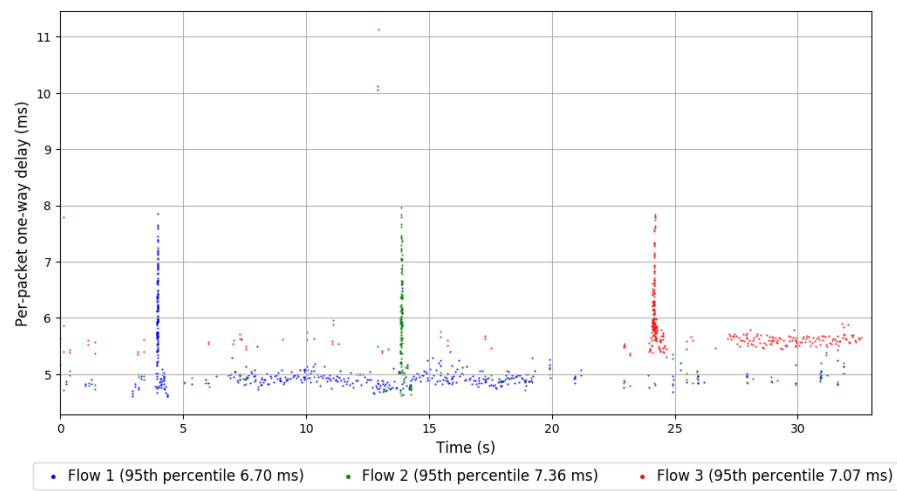
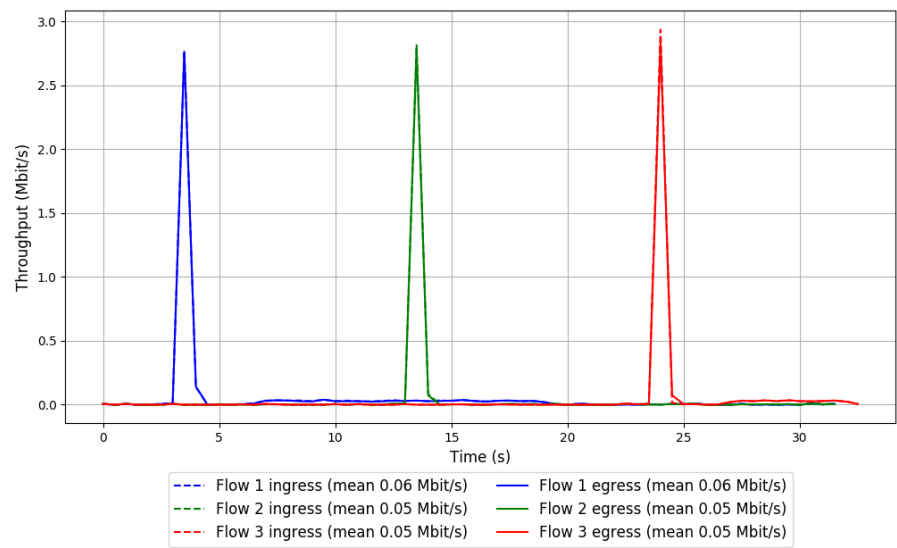


Run 1: Statistics of WebRTC media

Start at: 2018-04-24 20:39:41
End at: 2018-04-24 20:40:11
Local clock offset: 2.774 ms
Remote clock offset: -10.437 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 7.027 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 6.703 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.362 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.074 ms
Loss rate: 1.60%

Run 1: Report of WebRTC media — Data Link

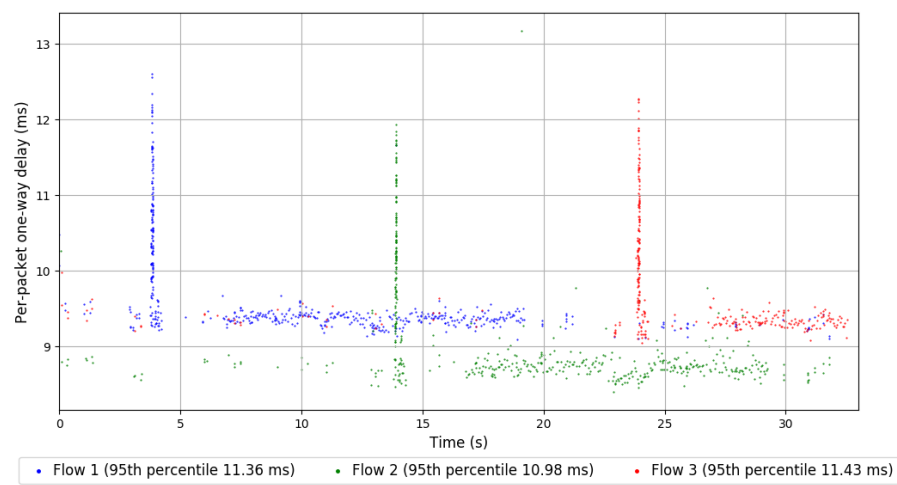
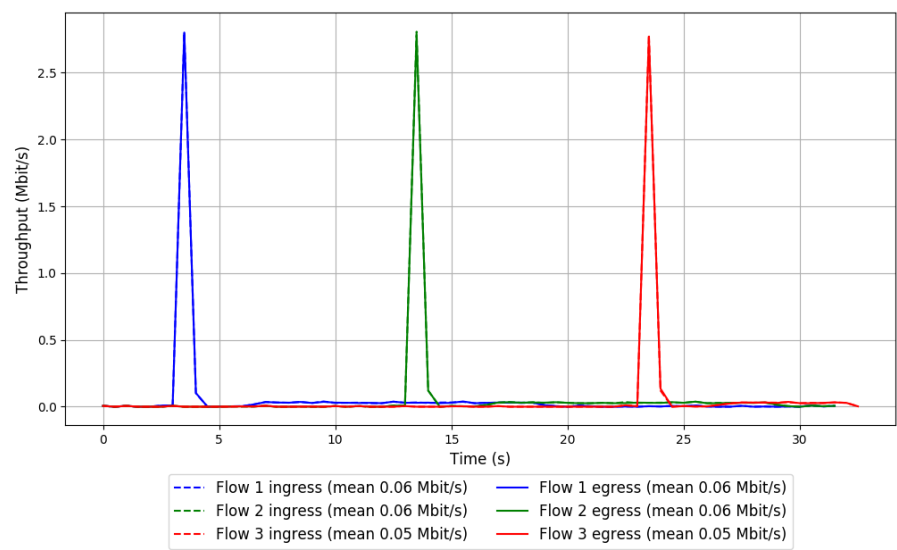


Run 2: Statistics of WebRTC media

Start at: 2018-04-24 20:59:24
End at: 2018-04-24 20:59:54
Local clock offset: 0.546 ms
Remote clock offset: -11.105 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 11.270 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.357 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.982 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.433 ms
Loss rate: 0.13%

Run 2: Report of WebRTC media — Data Link

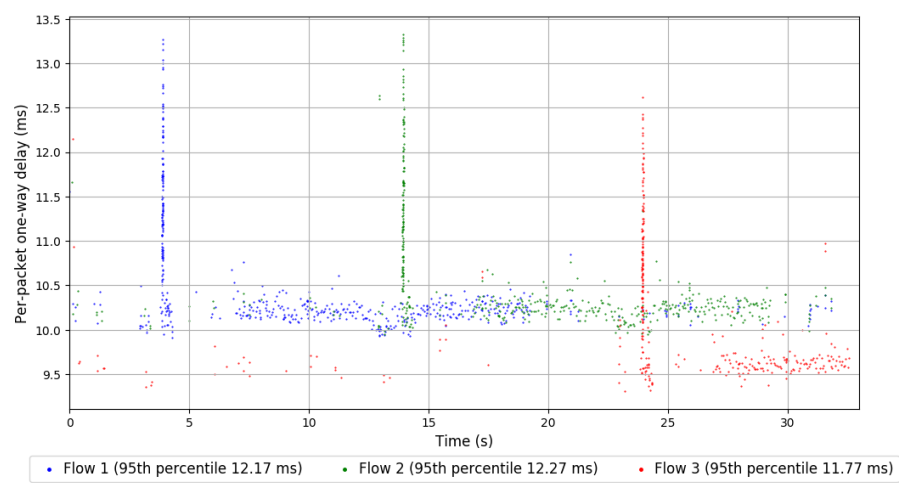
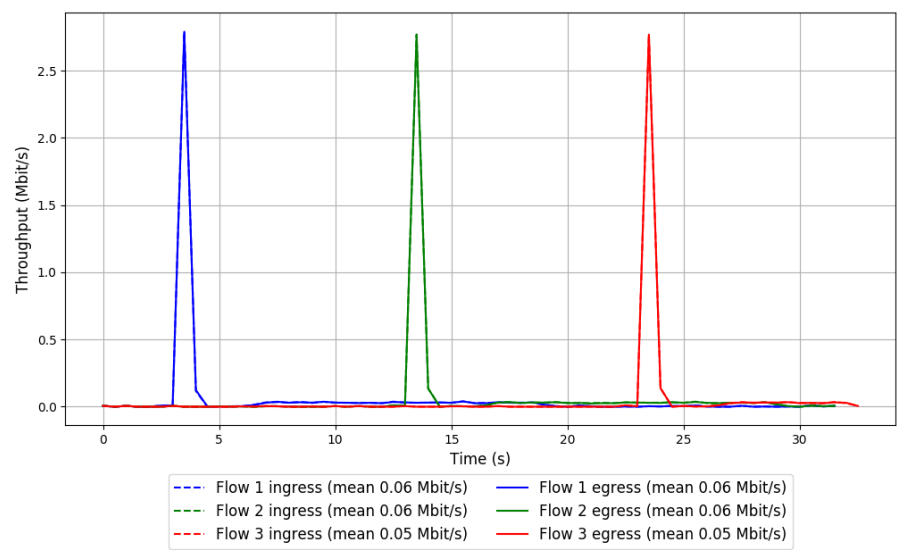


Run 3: Statistics of WebRTC media

Start at: 2018-04-24 21:18:57
End at: 2018-04-24 21:19:27
Local clock offset: -0.652 ms
Remote clock offset: -10.31 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.046 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.170 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.267 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.773 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

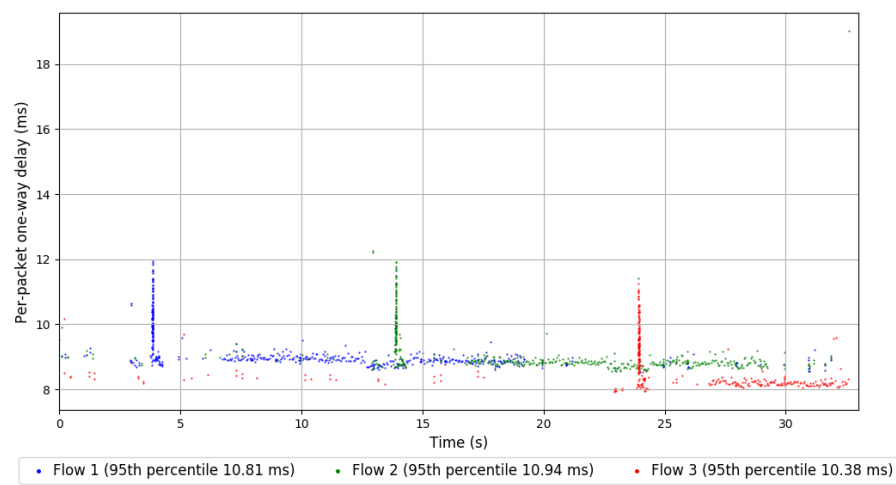
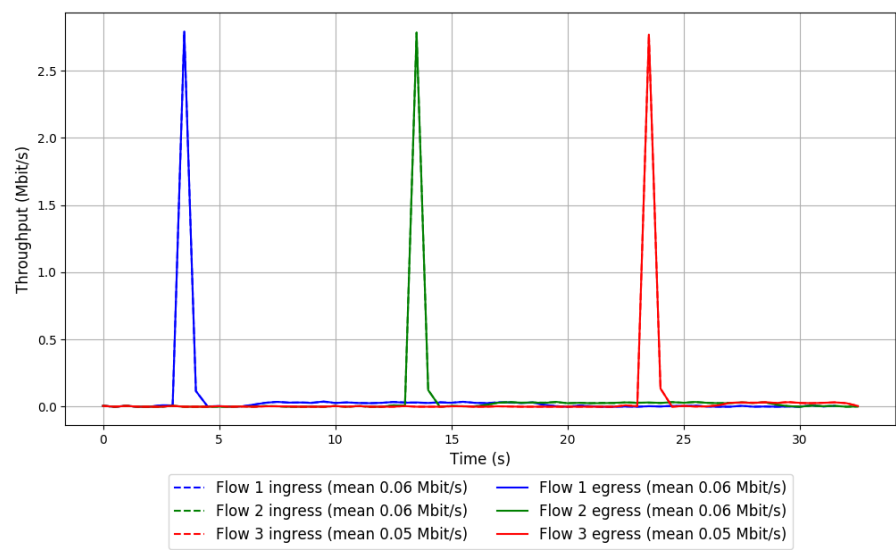


Run 4: Statistics of WebRTC media

Start at: 2018-04-24 21:38:23
End at: 2018-04-24 21:38:53
Local clock offset: -0.758 ms
Remote clock offset: -7.481 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.728 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.808 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.380 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

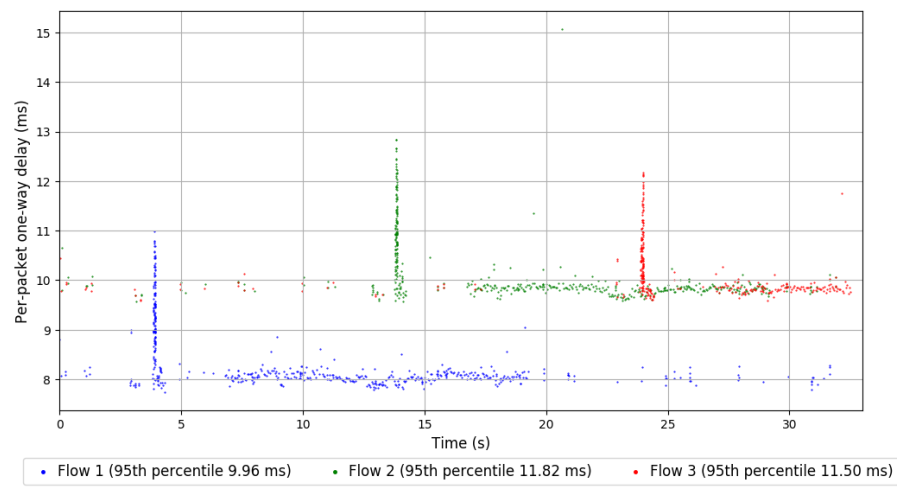
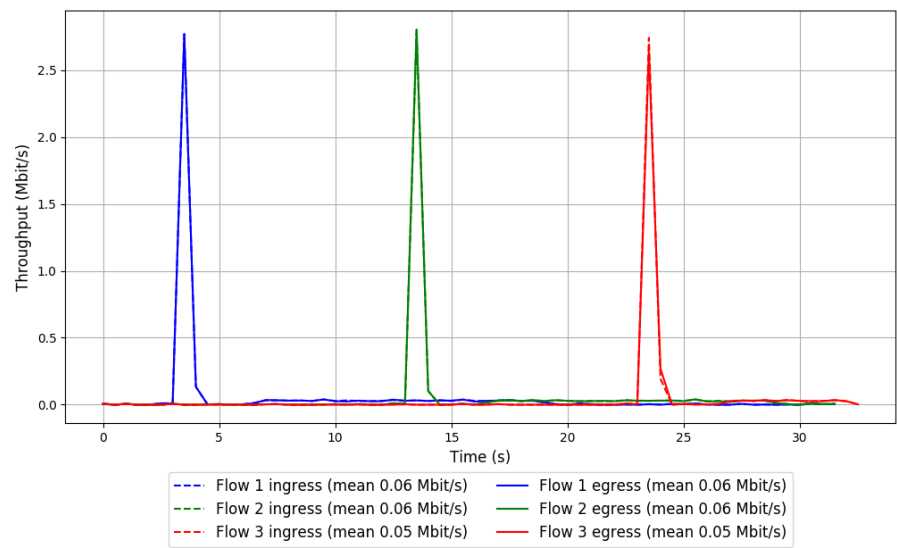


Run 5: Statistics of WebRTC media

Start at: 2018-04-24 21:58:01
End at: 2018-04-24 21:58:31
Local clock offset: -0.572 ms
Remote clock offset: -2.804 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 11.249 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 9.955 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.824 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.502 ms
Loss rate: 1.06%

Run 5: Report of WebRTC media — Data Link

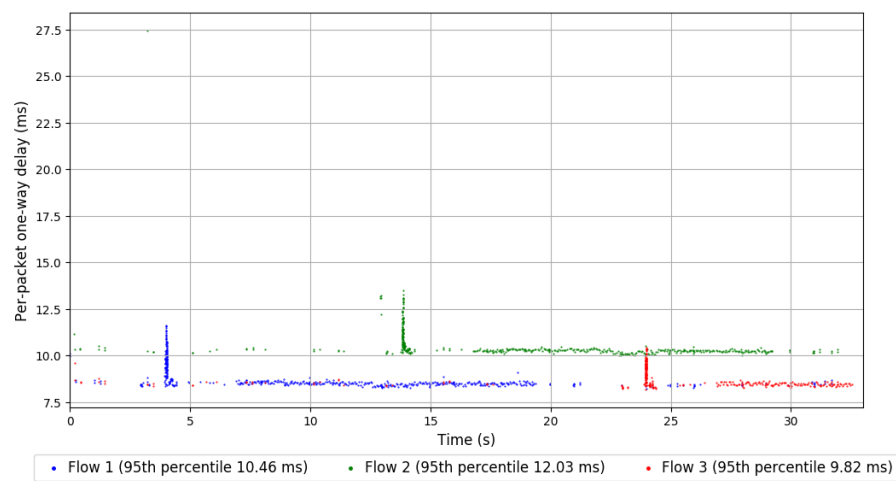
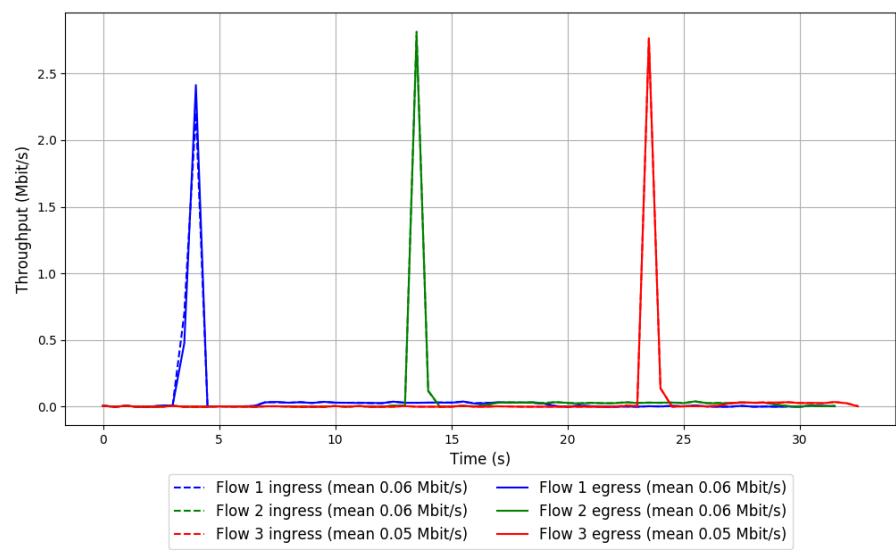


Run 6: Statistics of WebRTC media

Start at: 2018-04-24 22:17:41
End at: 2018-04-24 22:18:11
Local clock offset: -8.474 ms
Remote clock offset: -5.899 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 11.178 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.462 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.026 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.825 ms
Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link

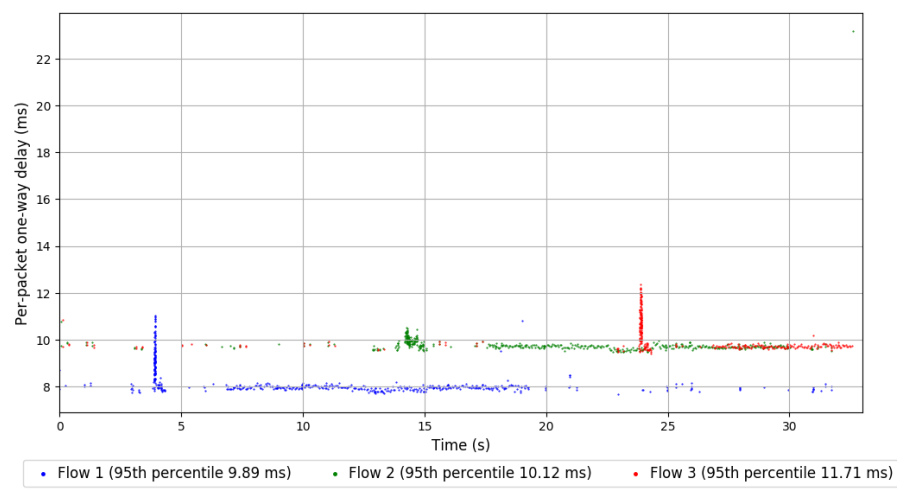
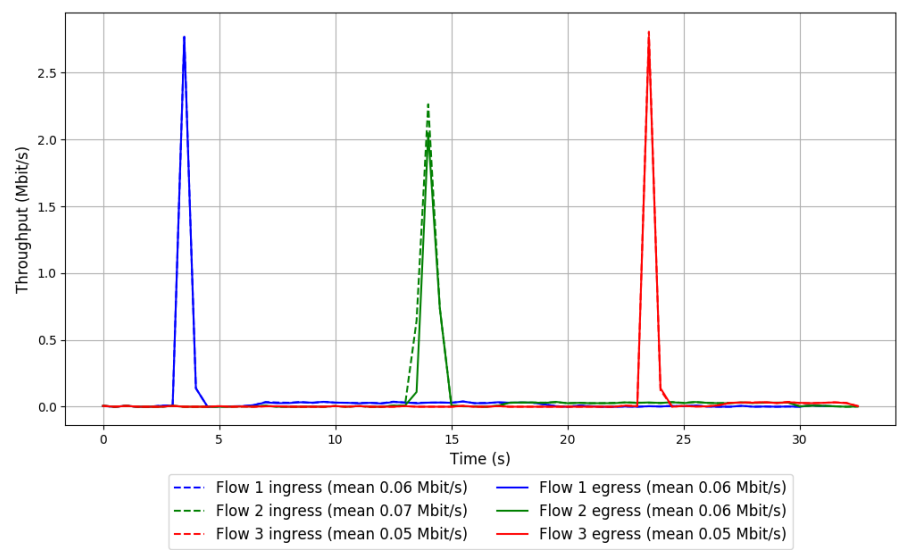


Run 7: Statistics of WebRTC media

Start at: 2018-04-24 22:37:33
End at: 2018-04-24 22:38:03
Local clock offset: -12.815 ms
Remote clock offset: -6.767 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.795 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 9.890 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.122 ms
Loss rate: 16.82%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.712 ms
Loss rate: 0.76%

Run 7: Report of WebRTC media — Data Link

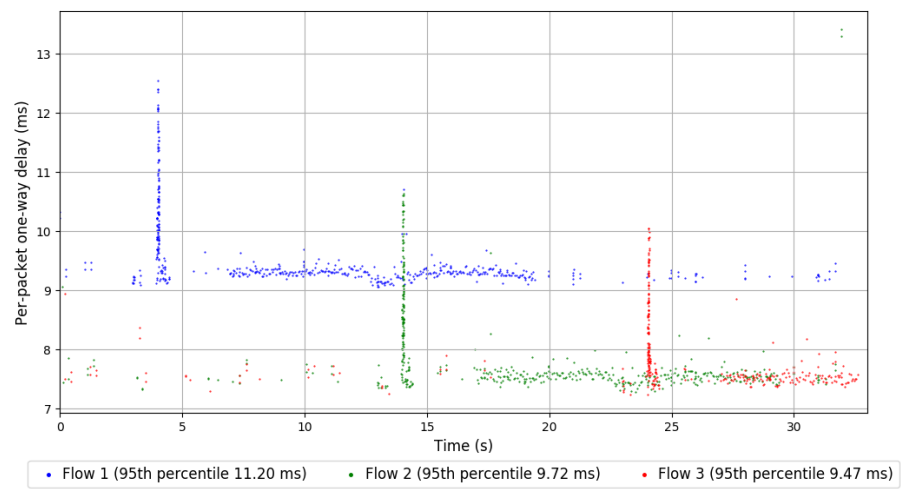
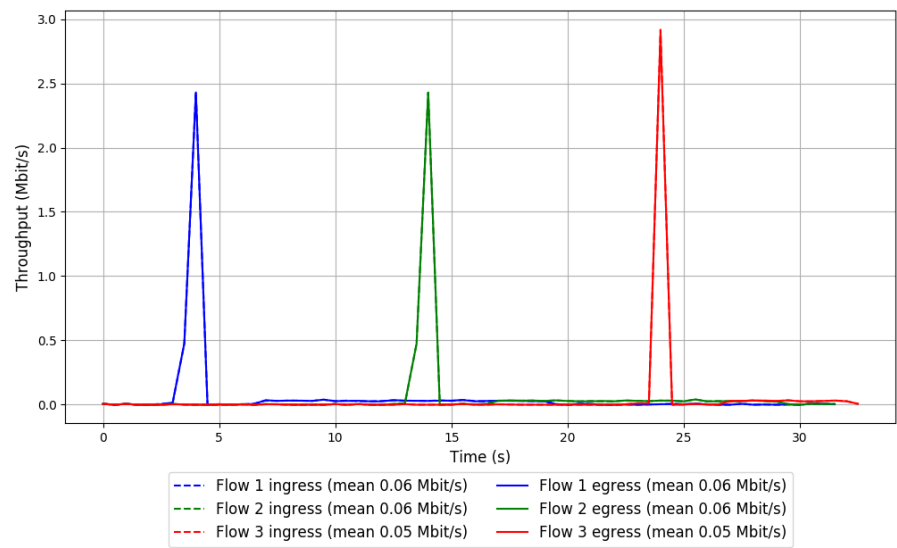


Run 8: Statistics of WebRTC media

Start at: 2018-04-24 22:57:23
End at: 2018-04-24 22:57:53
Local clock offset: -15.812 ms
Remote clock offset: -7.388 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.408 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.202 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.473 ms
Loss rate: 0.72%

Run 8: Report of WebRTC media — Data Link

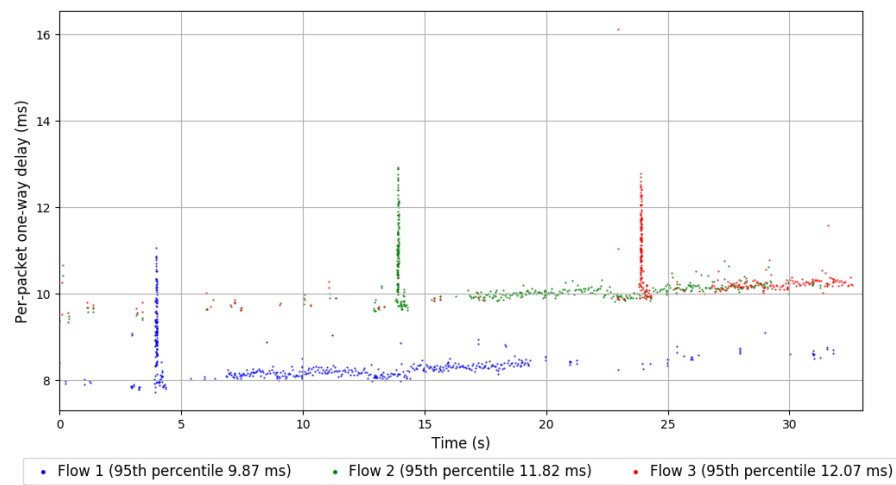
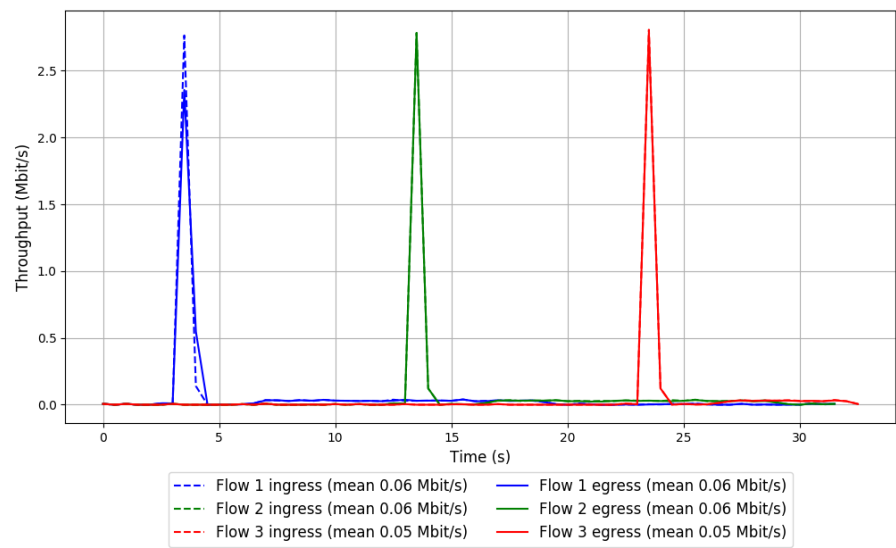


Run 9: Statistics of WebRTC media

Start at: 2018-04-24 23:17:28
End at: 2018-04-24 23:17:58
Local clock offset: -15.83 ms
Remote clock offset: -7.532 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 11.633 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 9.874 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.819 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.070 ms
Loss rate: 1.03%

Run 9: Report of WebRTC media — Data Link

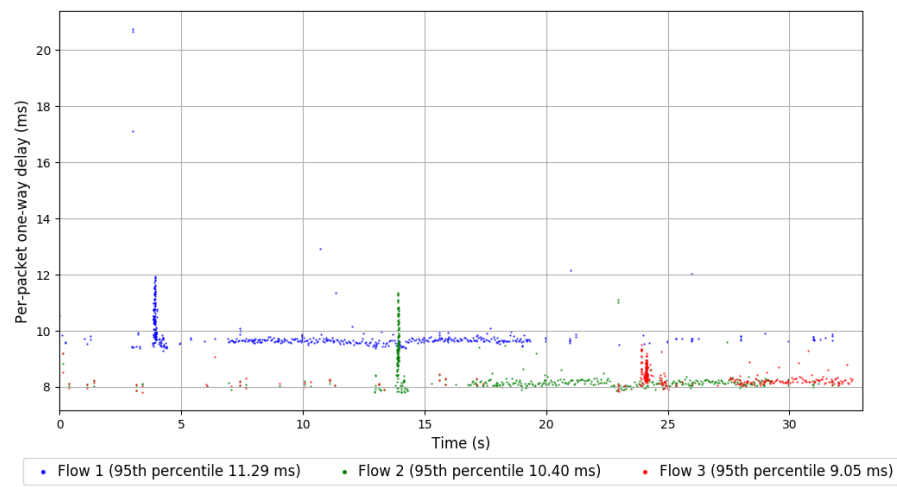
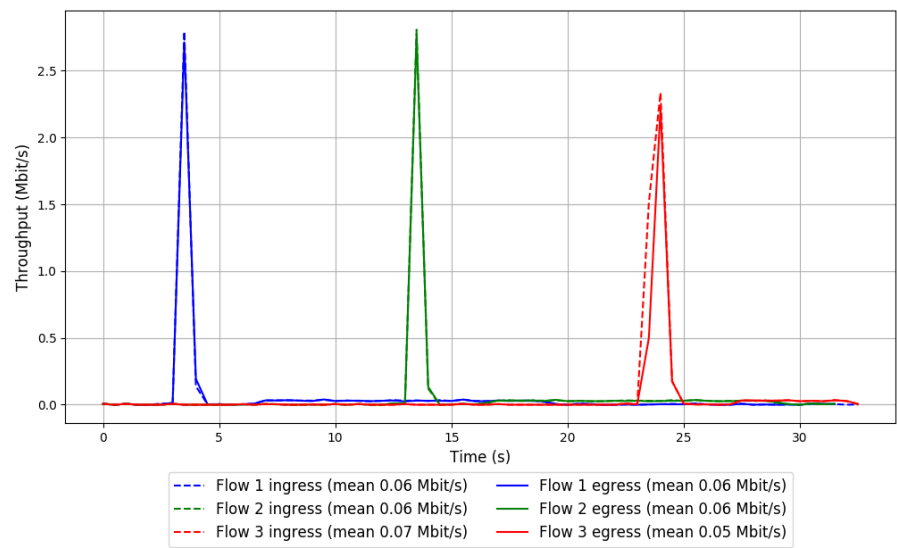


Run 10: Statistics of WebRTC media

Start at: 2018-04-24 23:37:12
End at: 2018-04-24 23:37:42
Local clock offset: -3.692 ms
Remote clock offset: -7.731 ms

Below is generated by plot.py at 2018-04-25 00:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.716 ms
Loss rate: 10.16%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.290 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.396 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.052 ms
Loss rate: 25.53%

Run 10: Report of WebRTC media — Data Link

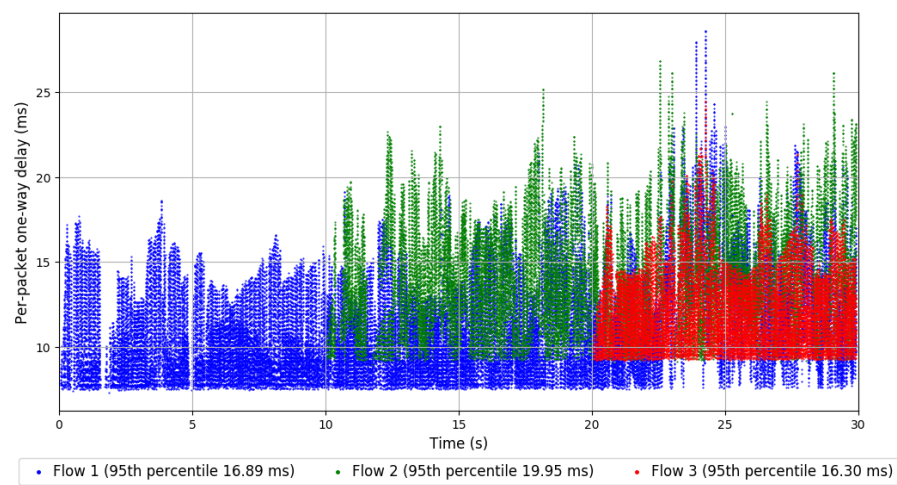
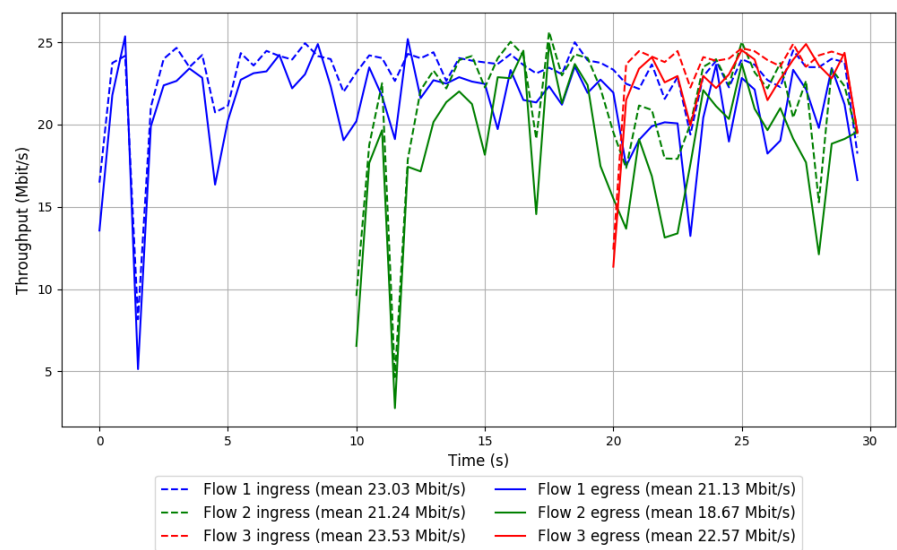


Run 1: Statistics of Sprout

Start at: 2018-04-24 20:32:53
End at: 2018-04-24 20:33:23
Local clock offset: -1.086 ms
Remote clock offset: -10.212 ms

Below is generated by plot.py at 2018-04-25 00:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 18.431 ms
Loss rate: 8.69%
-- Flow 1:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 16.893 ms
Loss rate: 8.21%
-- Flow 2:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 19.949 ms
Loss rate: 12.04%
-- Flow 3:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 16.298 ms
Loss rate: 4.02%

Run 1: Report of Sprout — Data Link

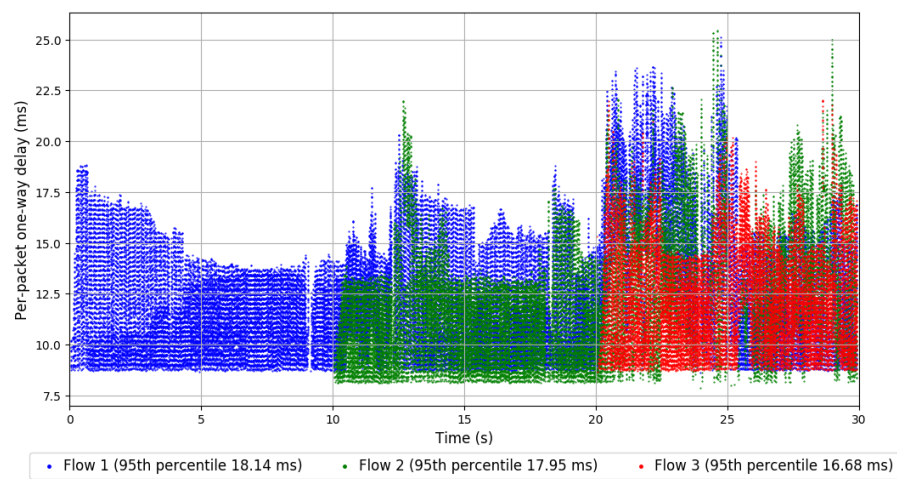
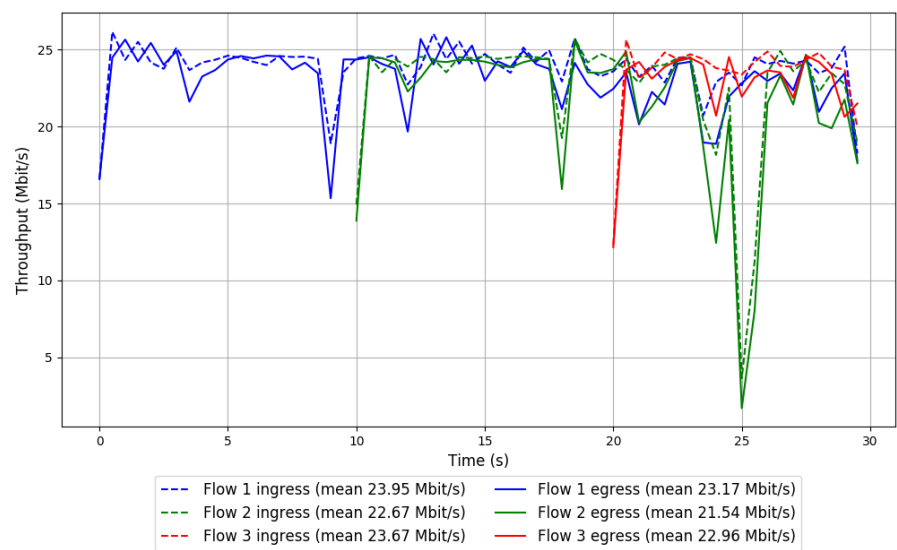


Run 2: Statistics of Sprout

Start at: 2018-04-24 20:52:30
End at: 2018-04-24 20:53:00
Local clock offset: 1.091 ms
Remote clock offset: -10.819 ms

Below is generated by plot.py at 2018-04-25 00:18:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 17.828 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 18.142 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 17.950 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 16.685 ms
Loss rate: 3.01%

Run 2: Report of Sprout — Data Link

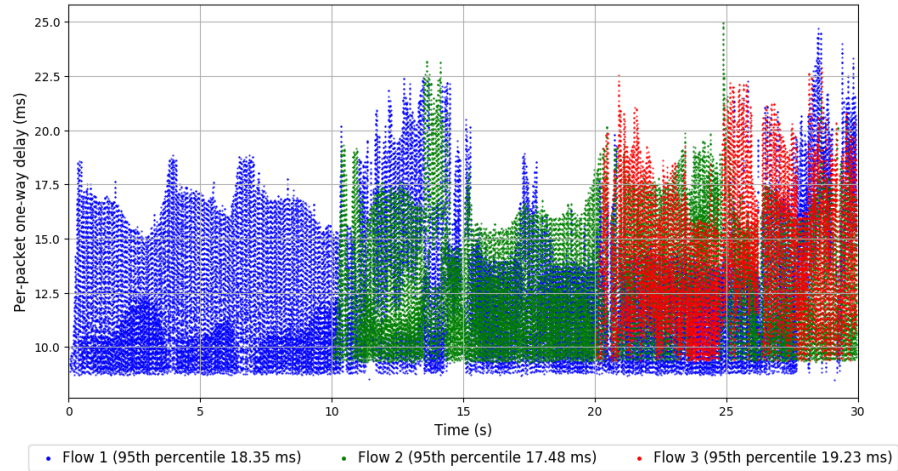
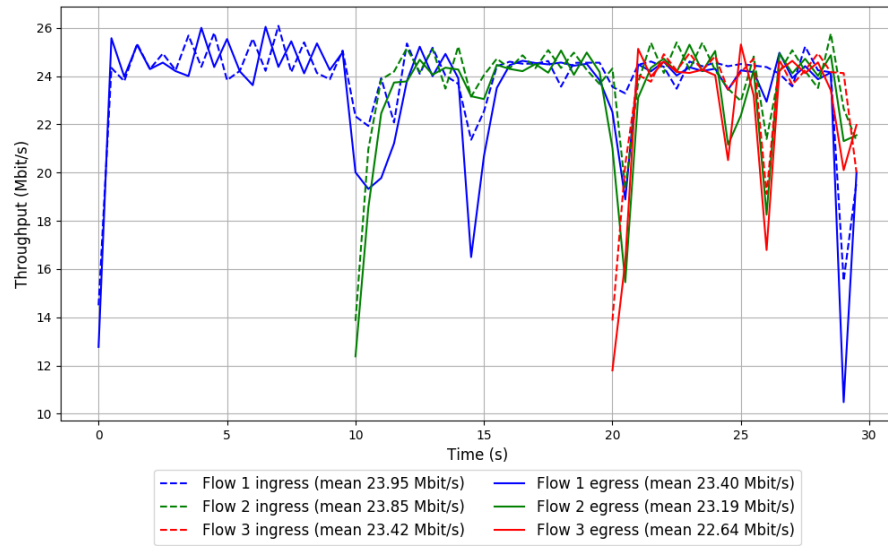


Run 3: Statistics of Sprout

Start at: 2018-04-24 21:12:08
End at: 2018-04-24 21:12:38
Local clock offset: 0.294 ms
Remote clock offset: -10.185 ms

```
# Below is generated by plot.py at 2018-04-25 00:18:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 18.324 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 17.480 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 19.226 ms
Loss rate: 3.27%
```

Run 3: Report of Sprout — Data Link

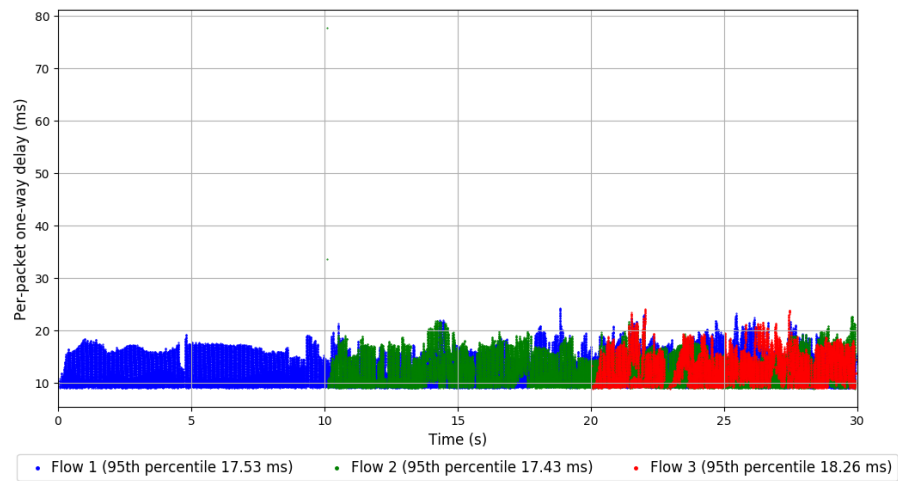
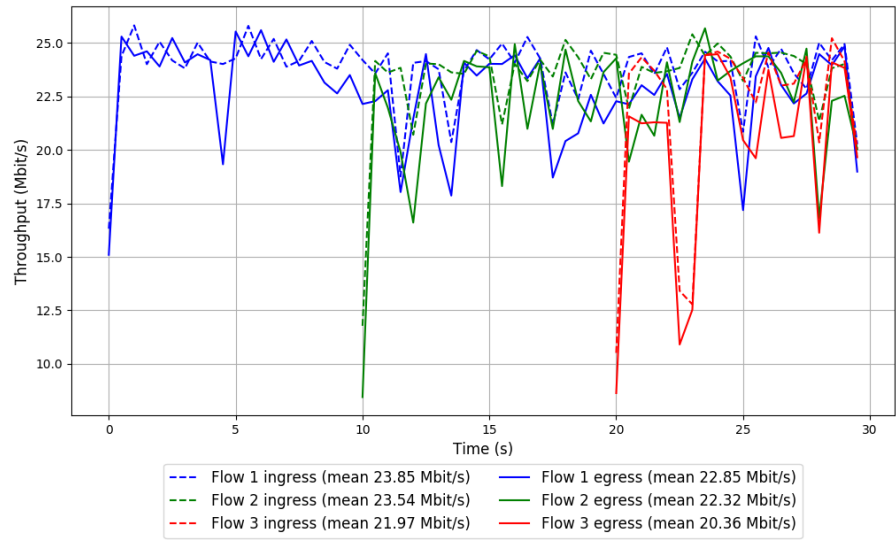


Run 4: Statistics of Sprout

Start at: 2018-04-24 21:31:37
End at: 2018-04-24 21:32:07
Local clock offset: 0.377 ms
Remote clock offset: -10.829 ms

Below is generated by plot.py at 2018-04-25 00:18:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 17.624 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 17.532 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 22.32 Mbit/s
95th percentile per-packet one-way delay: 17.430 ms
Loss rate: 5.53%
-- Flow 3:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 18.256 ms
Loss rate: 7.33%

Run 4: Report of Sprout — Data Link

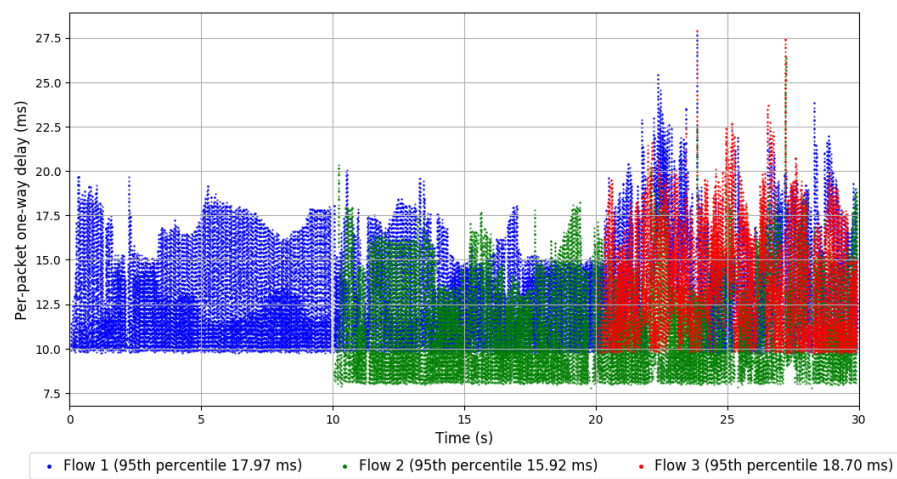
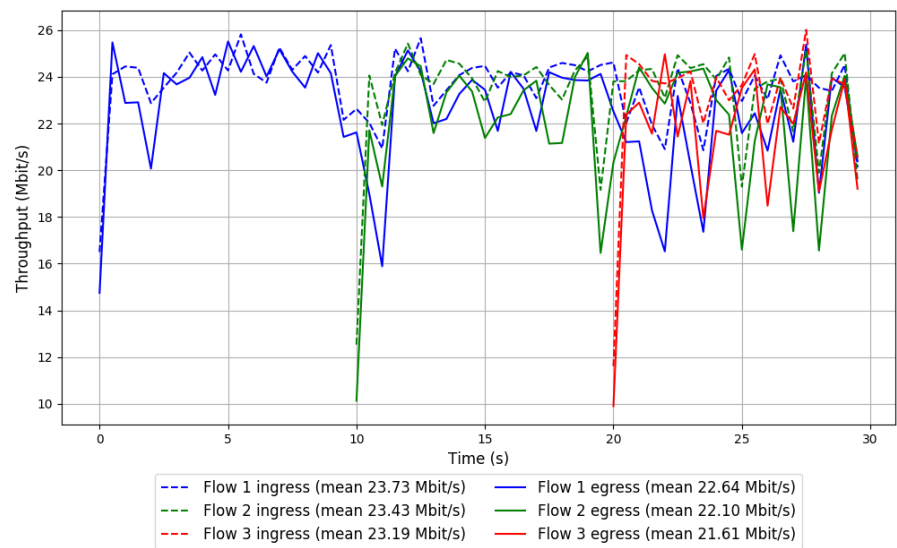


Run 5: Statistics of Sprout

Start at: 2018-04-24 21:51:10
End at: 2018-04-24 21:51:40
Local clock offset: -0.66 ms
Remote clock offset: -3.821 ms

Below is generated by plot.py at 2018-04-25 00:18:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 17.723 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 17.970 ms
Loss rate: 4.57%
-- Flow 2:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 15.916 ms
Loss rate: 5.61%
-- Flow 3:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 18.703 ms
Loss rate: 6.78%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 22:10:47

End at: 2018-04-24 22:11:17

Local clock offset: -3.343 ms

Remote clock offset: -2.99 ms

Below is generated by plot.py at 2018-04-25 00:18:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.41 Mbit/s

95th percentile per-packet one-way delay: 18.206 ms

Loss rate: 7.27%

-- Flow 1:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 18.628 ms

Loss rate: 7.78%

-- Flow 2:

Average throughput: 21.99 Mbit/s

95th percentile per-packet one-way delay: 16.121 ms

Loss rate: 5.85%

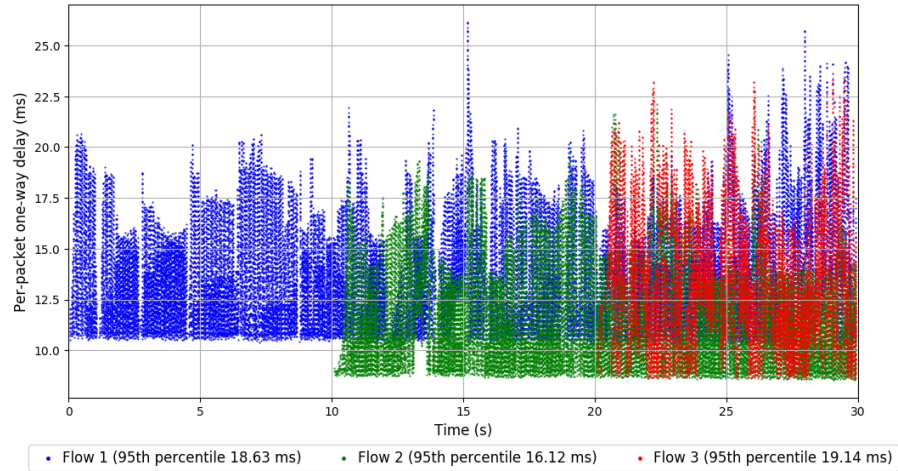
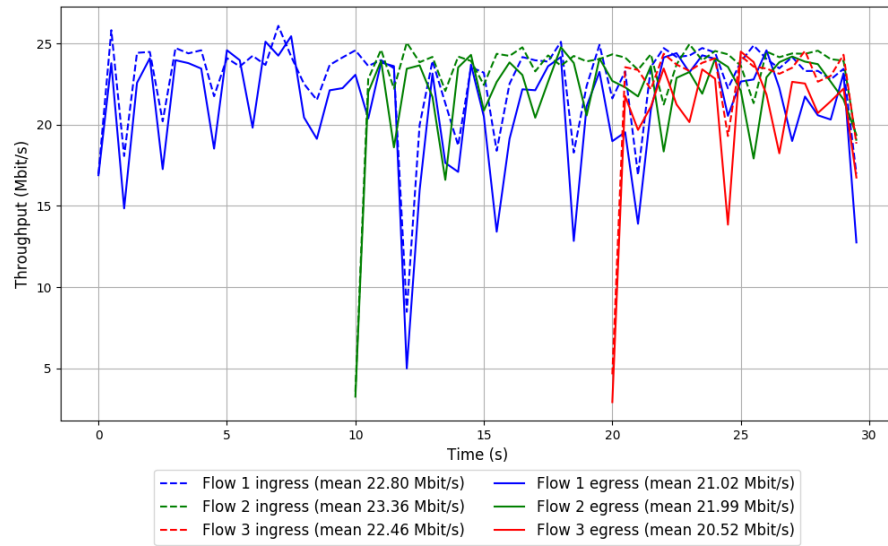
-- Flow 3:

Average throughput: 20.52 Mbit/s

95th percentile per-packet one-way delay: 19.139 ms

Loss rate: 8.66%

Run 6: Report of Sprout — Data Link

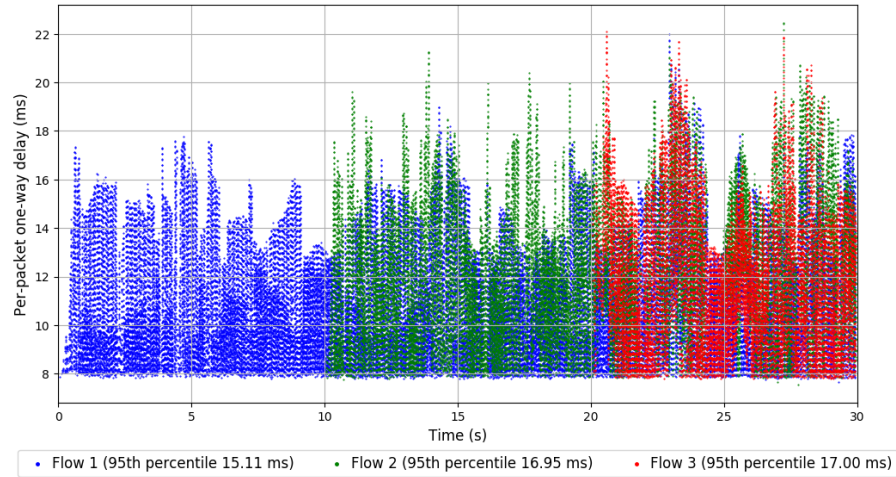
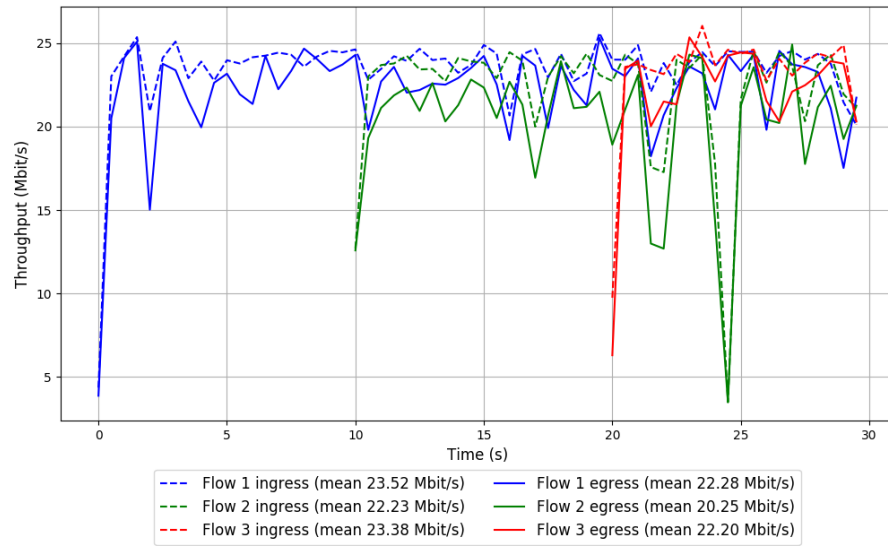


Run 7: Statistics of Sprout

Start at: 2018-04-24 22:30:42
End at: 2018-04-24 22:31:12
Local clock offset: -10.873 ms
Remote clock offset: -6.154 ms

Below is generated by plot.py at 2018-04-25 00:18:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 16.127 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 15.105 ms
Loss rate: 5.41%
-- Flow 2:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 16.947 ms
Loss rate: 8.88%
-- Flow 3:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 17.001 ms
Loss rate: 4.98%

Run 7: Report of Sprout — Data Link

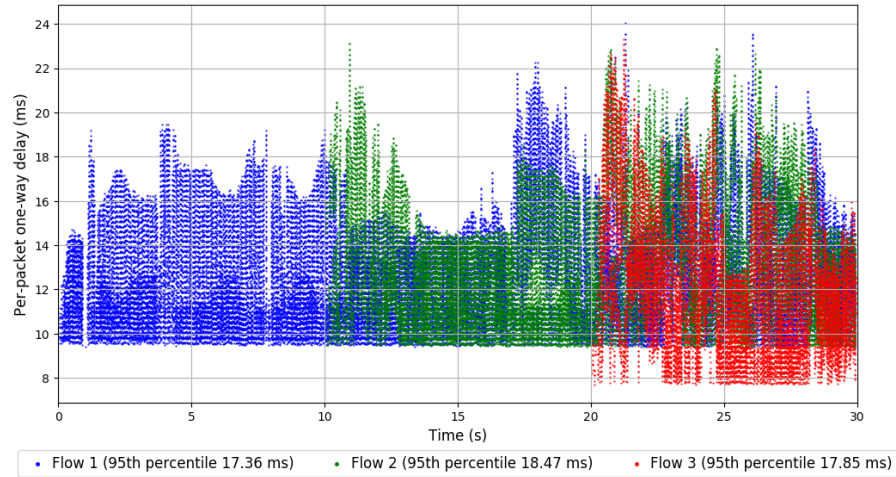
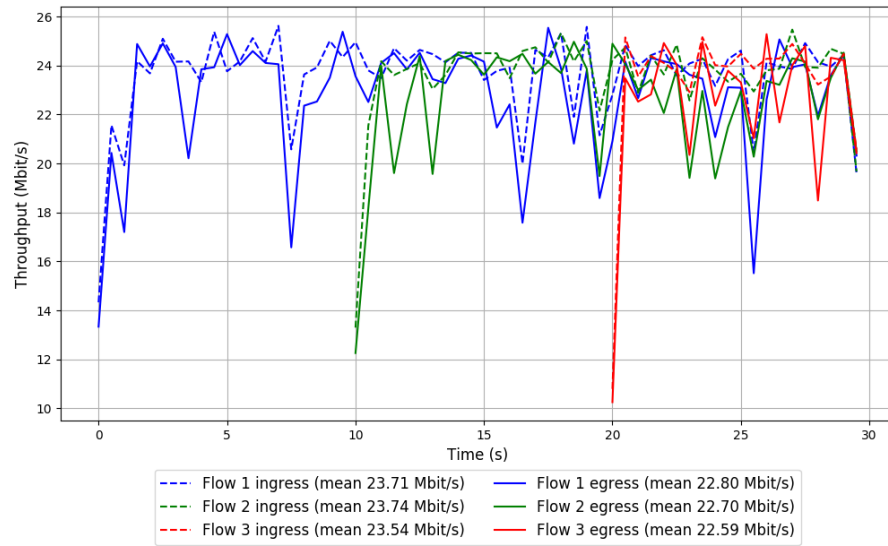


Run 8: Statistics of Sprout

Start at: 2018-04-24 22:50:29
End at: 2018-04-24 22:50:59
Local clock offset: -14.924 ms
Remote clock offset: -7.269 ms

Below is generated by plot.py at 2018-04-25 00:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.36 Mbit/s
95th percentile per-packet one-way delay: 17.862 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 17.358 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 18.471 ms
Loss rate: 4.37%
-- Flow 3:
Average throughput: 22.59 Mbit/s
95th percentile per-packet one-way delay: 17.852 ms
Loss rate: 3.96%

Run 8: Report of Sprout — Data Link

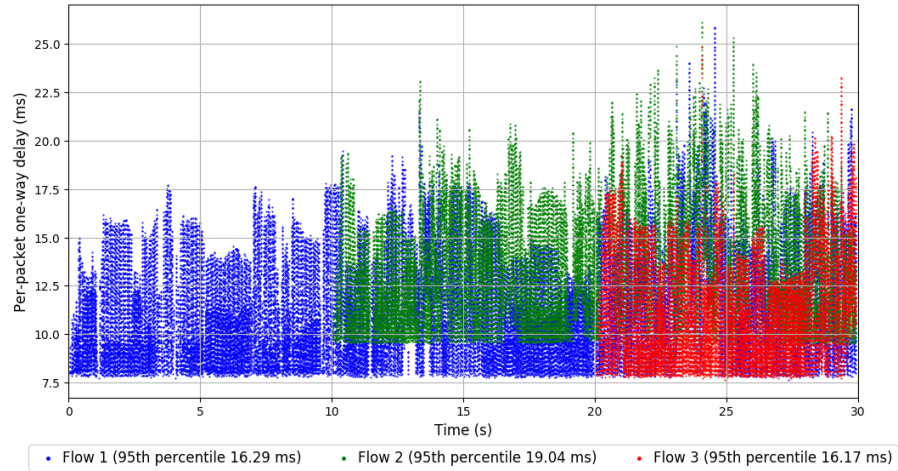
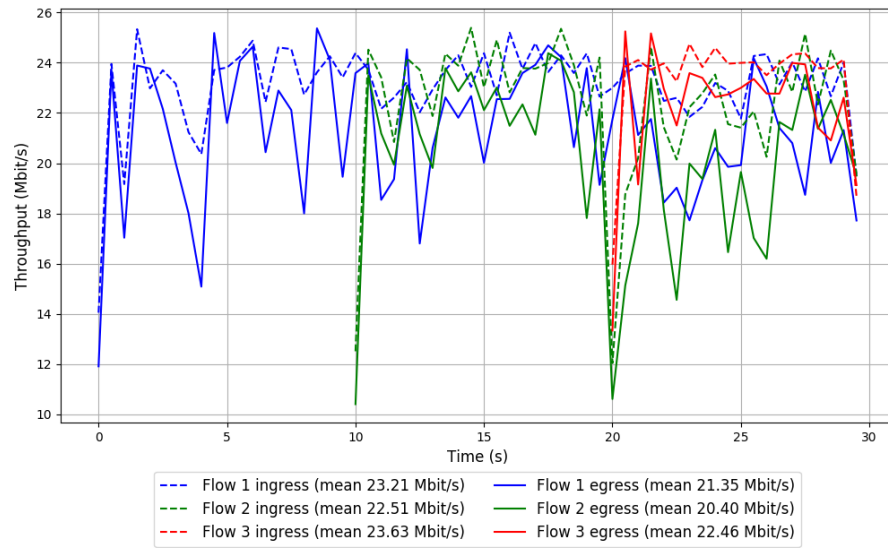


Run 9: Statistics of Sprout

Start at: 2018-04-24 23:10:36
End at: 2018-04-24 23:11:06
Local clock offset: -17.542 ms
Remote clock offset: -7.228 ms

Below is generated by plot.py at 2018-04-25 00:18:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.32 Mbit/s
95th percentile per-packet one-way delay: 17.514 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 16.294 ms
Loss rate: 8.01%
-- Flow 2:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 9.39%
-- Flow 3:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: 16.166 ms
Loss rate: 4.92%

Run 9: Report of Sprout — Data Link

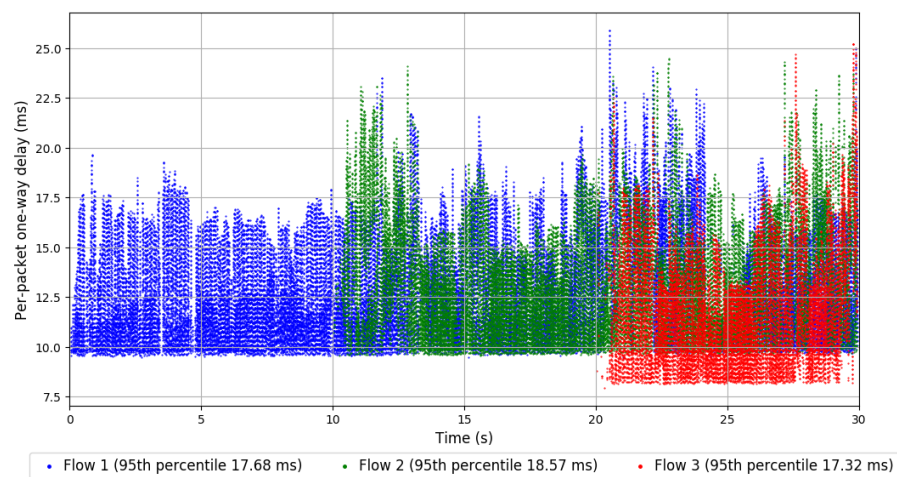
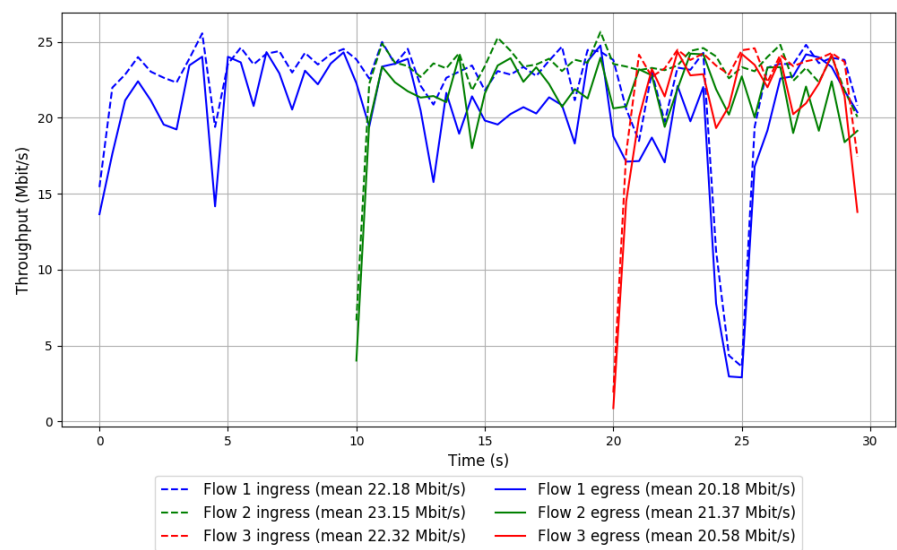


Run 10: Statistics of Sprout

Start at: 2018-04-24 23:30:23
End at: 2018-04-24 23:30:53
Local clock offset: -5.947 ms
Remote clock offset: -7.88 ms

Below is generated by plot.py at 2018-04-25 00:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 17.954 ms
Loss rate: 8.35%
-- Flow 1:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 17.677 ms
Loss rate: 9.02%
-- Flow 2:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 18.573 ms
Loss rate: 7.69%
-- Flow 3:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 17.316 ms
Loss rate: 7.70%

Run 10: Report of Sprout — Data Link

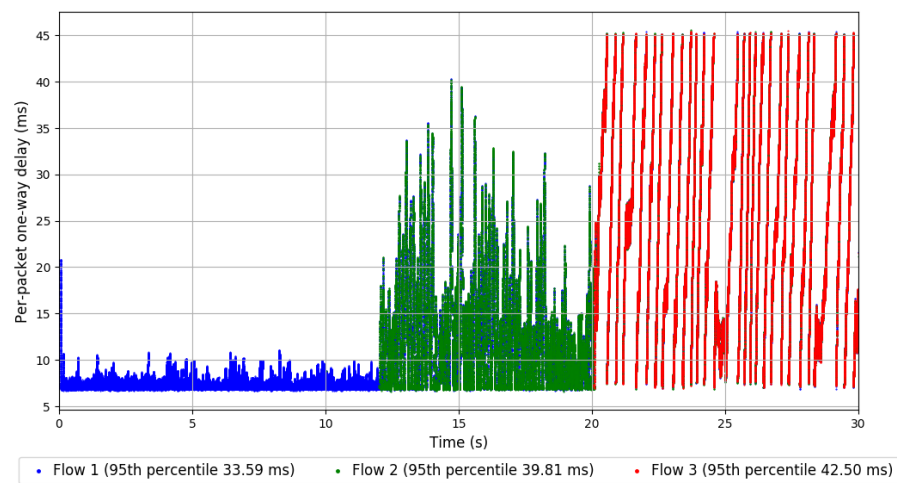
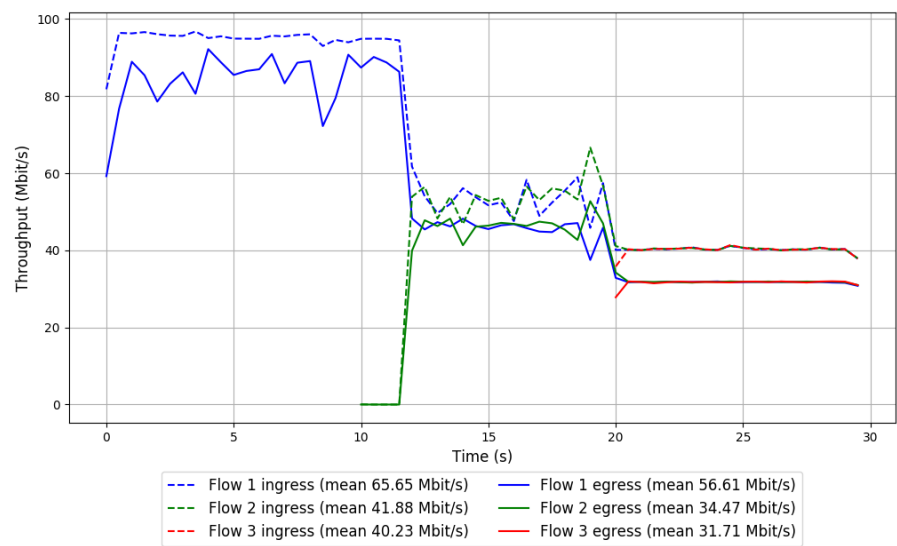


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 20:42:59
End at: 2018-04-24 20:43:29
Local clock offset: 2.987 ms
Remote clock offset: -9.557 ms

Below is generated by plot.py at 2018-04-25 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 38.161 ms
Loss rate: 15.68%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 13.74%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 39.809 ms
Loss rate: 17.65%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 42.497 ms
Loss rate: 21.16%

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

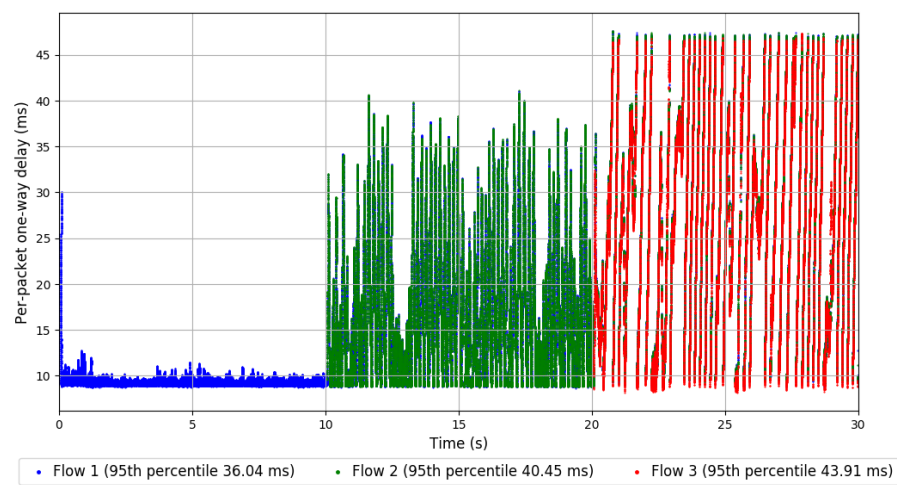
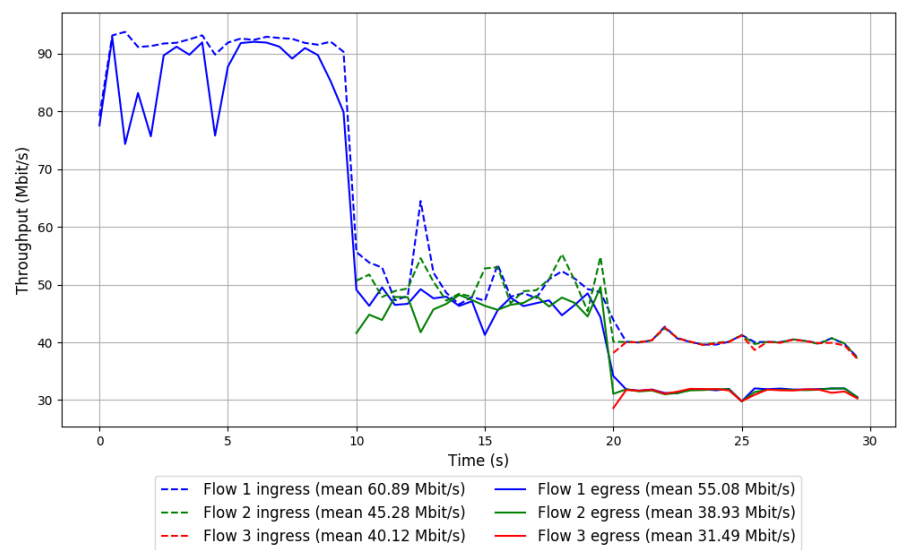


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 21:02:45
End at: 2018-04-24 21:03:15
Local clock offset: 0.442 ms
Remote clock offset: -11.132 ms

Below is generated by plot.py at 2018-04-25 00:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 39.331 ms
Loss rate: 12.36%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 36.040 ms
Loss rate: 9.53%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 40.451 ms
Loss rate: 14.02%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 43.911 ms
Loss rate: 21.52%

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

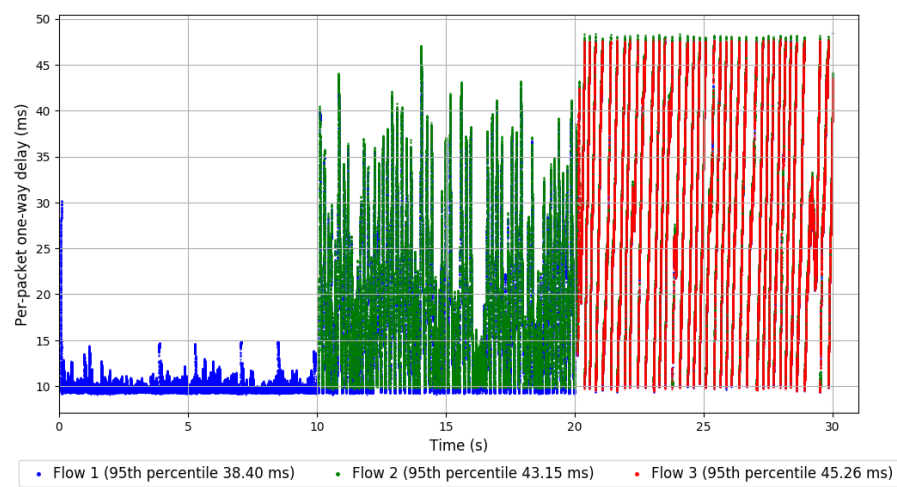
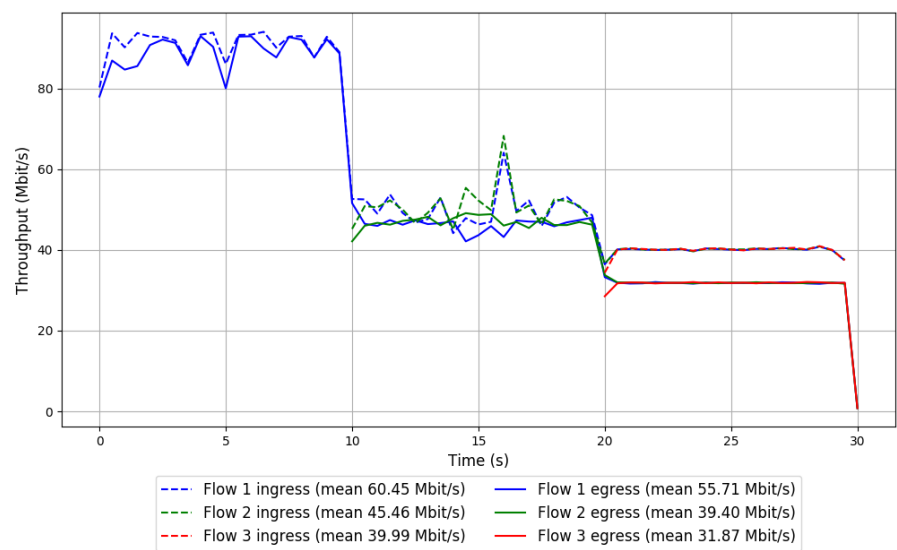


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 21:22:18
End at: 2018-04-24 21:22:48
Local clock offset: -0.815 ms
Remote clock offset: -10.987 ms

Below is generated by plot.py at 2018-04-25 00:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 42.004 ms
Loss rate: 10.93%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 38.404 ms
Loss rate: 7.75%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 43.149 ms
Loss rate: 13.18%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 45.258 ms
Loss rate: 20.25%

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

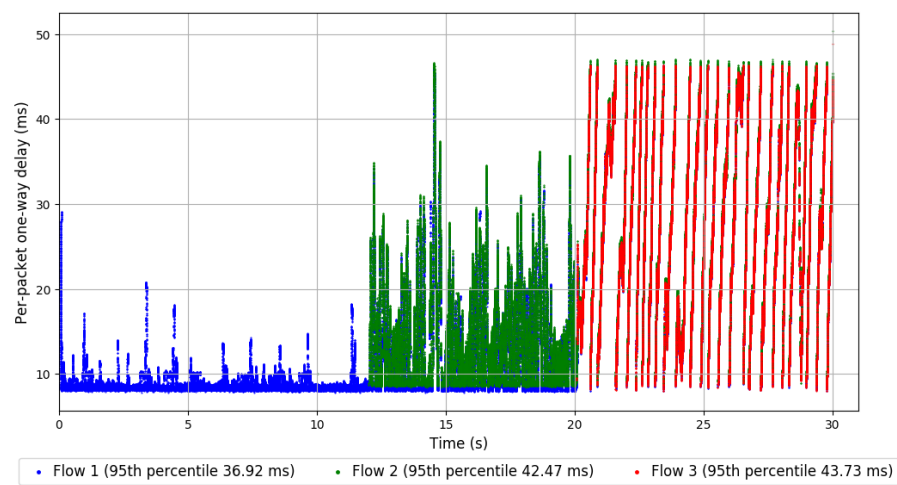
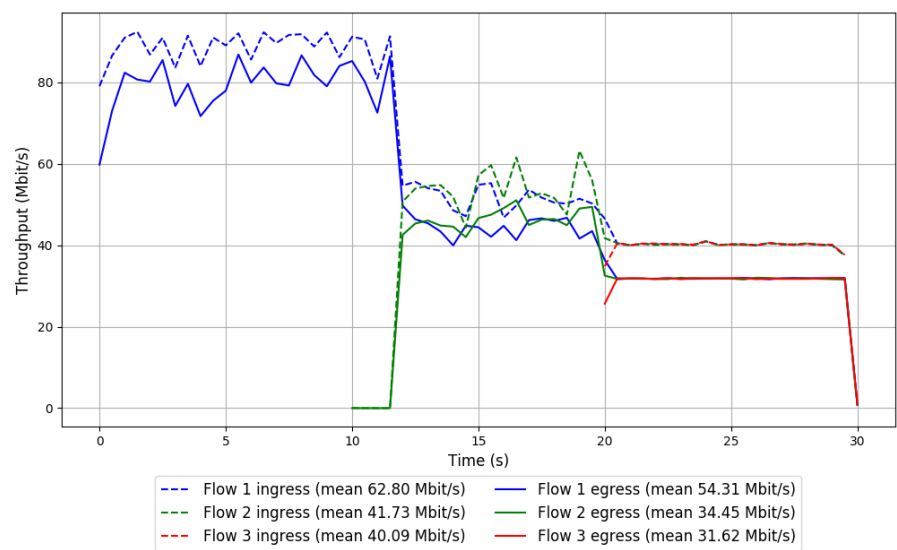


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 21:41:44
End at: 2018-04-24 21:42:14
Local clock offset: 0.083 ms
Remote clock offset: -5.491 ms

Below is generated by plot.py at 2018-04-25 00:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 41.180 ms
Loss rate: 15.41%
-- Flow 1:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 36.917 ms
Loss rate: 13.42%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 42.474 ms
Loss rate: 17.29%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 43.732 ms
Loss rate: 20.85%

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

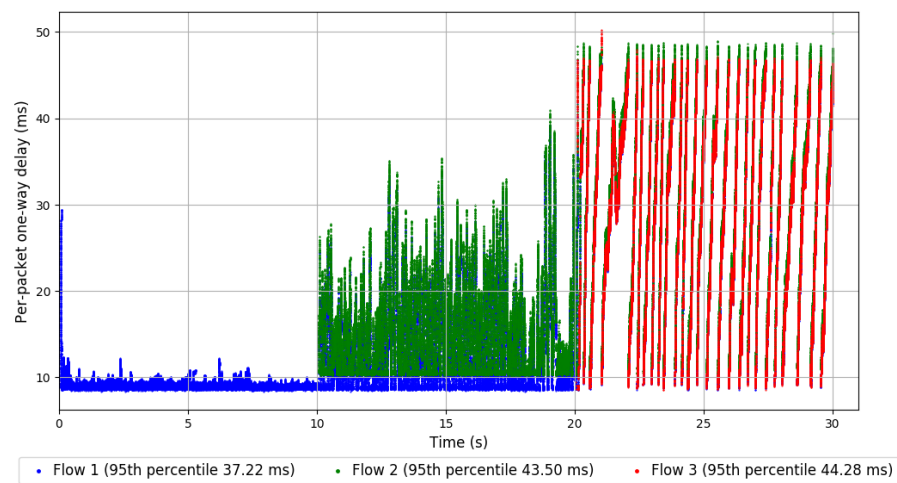
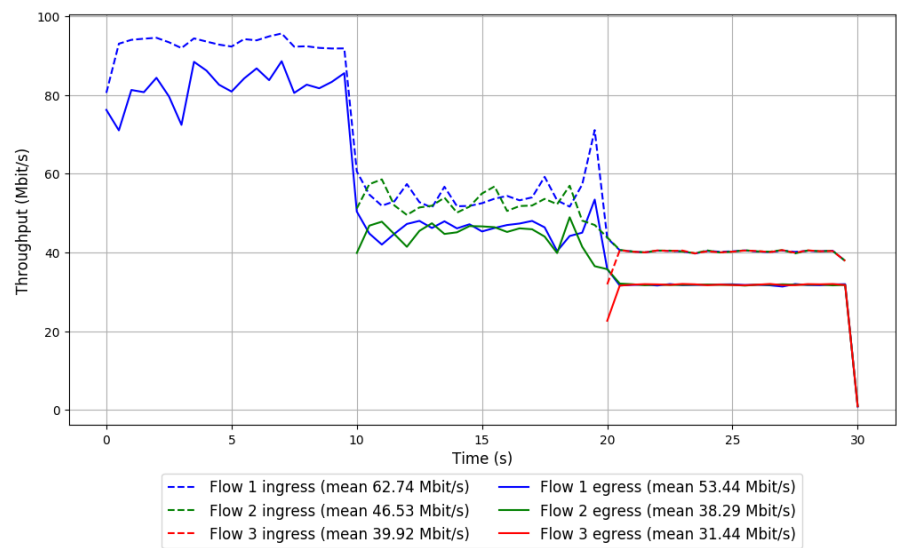


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 22:01:21
End at: 2018-04-24 22:01:51
Local clock offset: -1.066 ms
Remote clock offset: -2.523 ms

Below is generated by plot.py at 2018-04-25 00:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 41.622 ms
Loss rate: 16.31%
-- Flow 1:
Average throughput: 53.44 Mbit/s
95th percentile per-packet one-way delay: 37.217 ms
Loss rate: 14.71%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 43.501 ms
Loss rate: 17.56%
-- Flow 3:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 44.280 ms
Loss rate: 20.97%

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

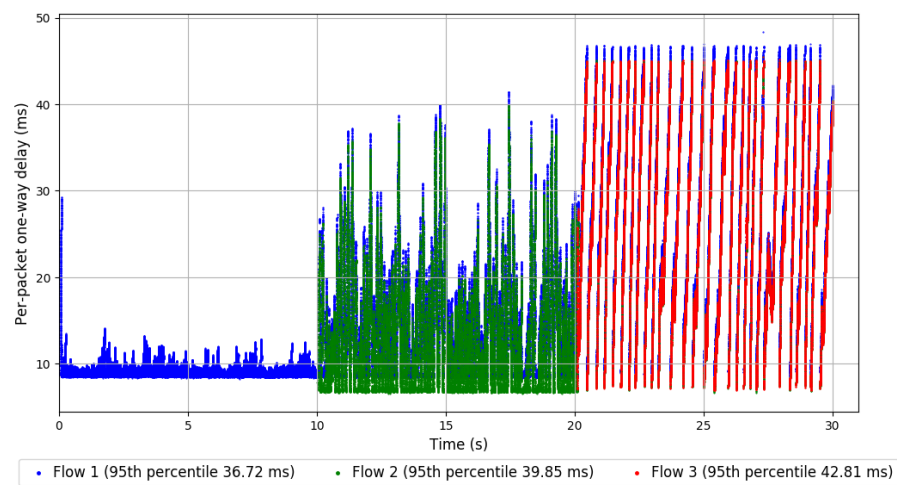
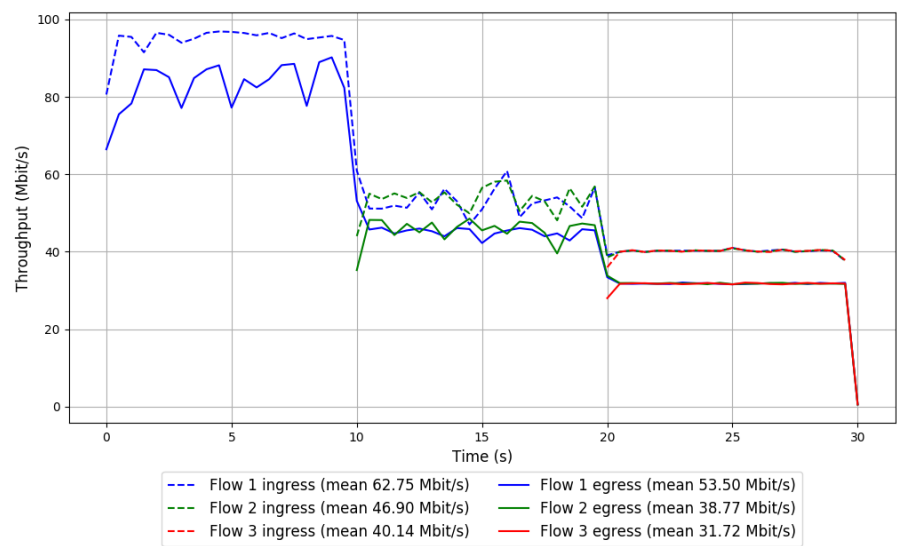


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 22:21:05
End at: 2018-04-24 22:21:35
Local clock offset: -13.765 ms
Remote clock offset: -12.108 ms

Below is generated by plot.py at 2018-04-25 00:21:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 39.596 ms
Loss rate: 16.16%
-- Flow 1:
Average throughput: 53.50 Mbit/s
95th percentile per-packet one-way delay: 36.718 ms
Loss rate: 14.66%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 39.852 ms
Loss rate: 17.20%
-- Flow 3:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 42.813 ms
Loss rate: 20.80%

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

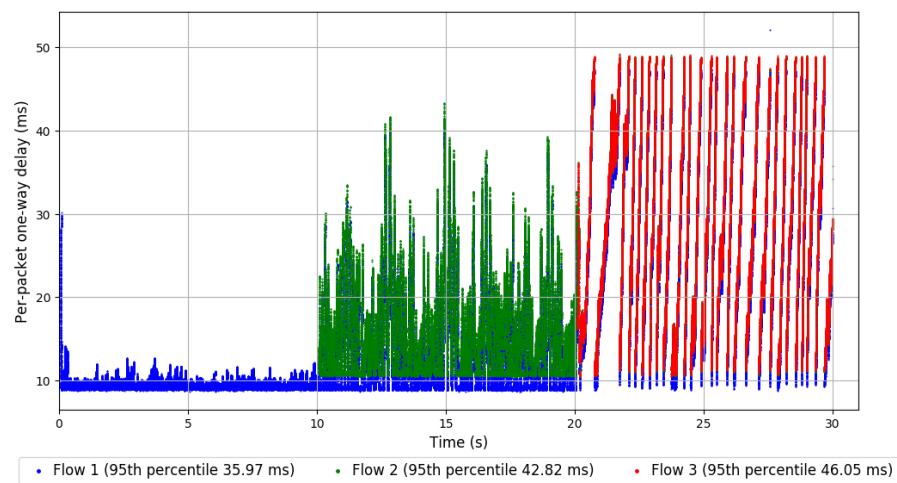
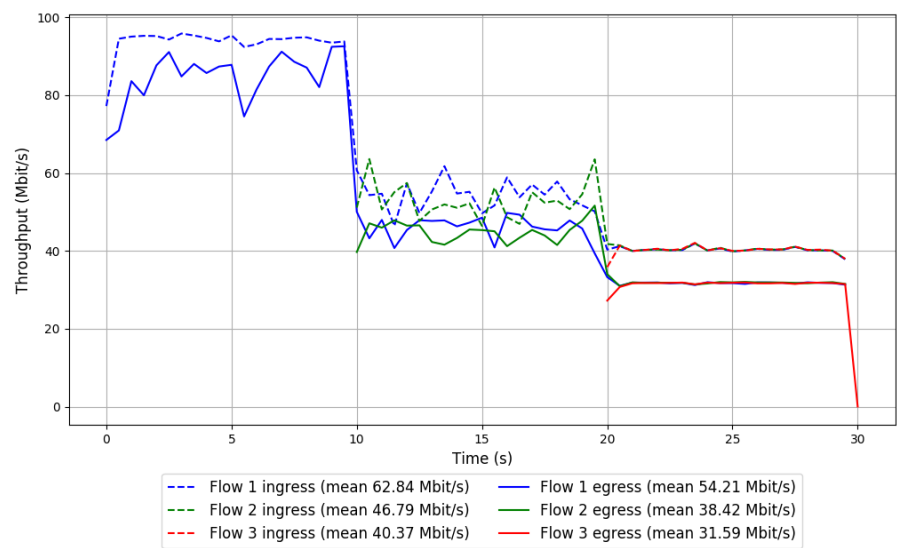


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 22:40:56
End at: 2018-04-24 22:41:26
Local clock offset: -13.554 ms
Remote clock offset: -6.119 ms

Below is generated by plot.py at 2018-04-25 00:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 41.195 ms
Loss rate: 15.86%
-- Flow 1:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 35.973 ms
Loss rate: 13.67%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 42.821 ms
Loss rate: 17.80%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 46.047 ms
Loss rate: 21.63%

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

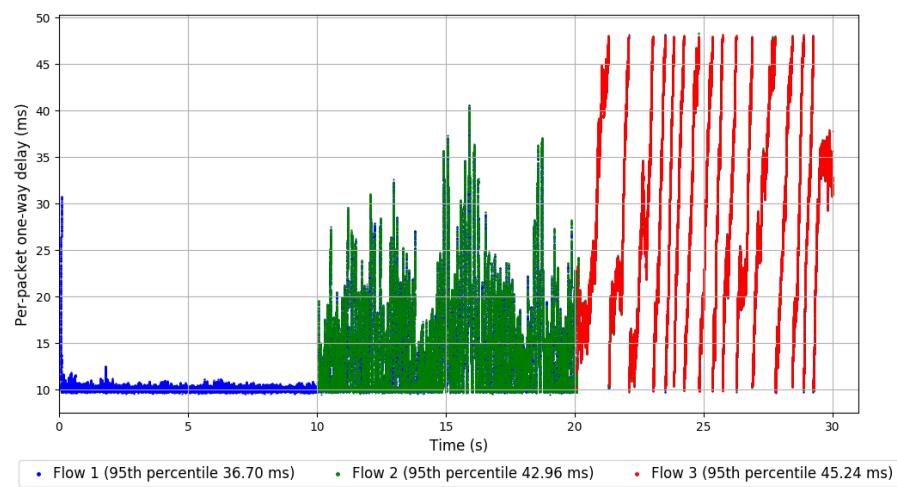
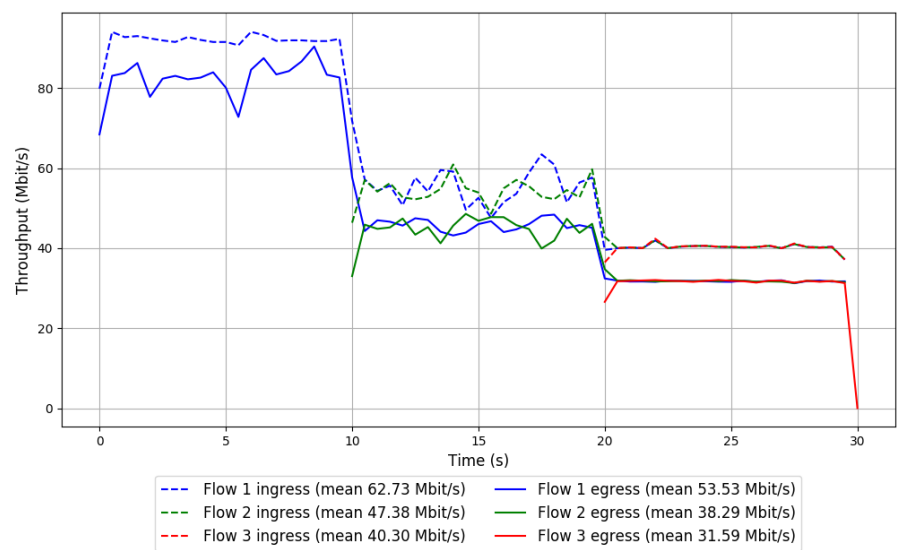


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 23:00:46
End at: 2018-04-24 23:01:16
Local clock offset: -16.636 ms
Remote clock offset: -7.385 ms

Below is generated by plot.py at 2018-04-25 00:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 42.257 ms
Loss rate: 16.76%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 36.696 ms
Loss rate: 14.60%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 42.962 ms
Loss rate: 19.09%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 45.239 ms
Loss rate: 21.42%

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

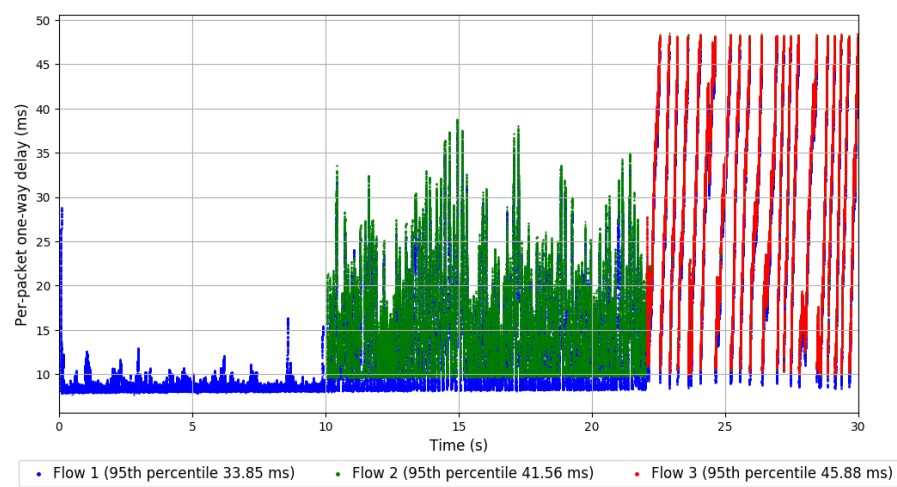
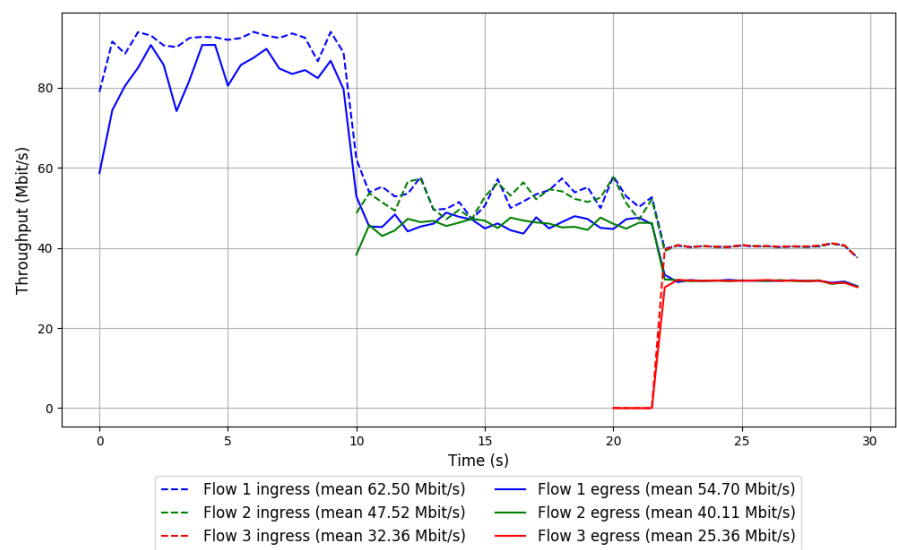


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 23:20:54
End at: 2018-04-24 23:21:24
Local clock offset: -12.22 ms
Remote clock offset: -8.133 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 40.344 ms
Loss rate: 14.34%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 33.846 ms
Loss rate: 12.47%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 41.556 ms
Loss rate: 15.57%
-- Flow 3:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 45.884 ms
Loss rate: 21.61%

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

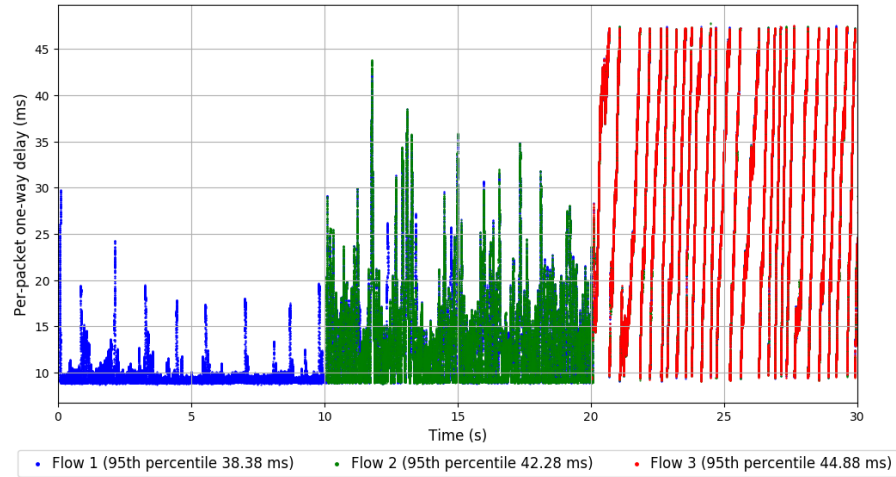
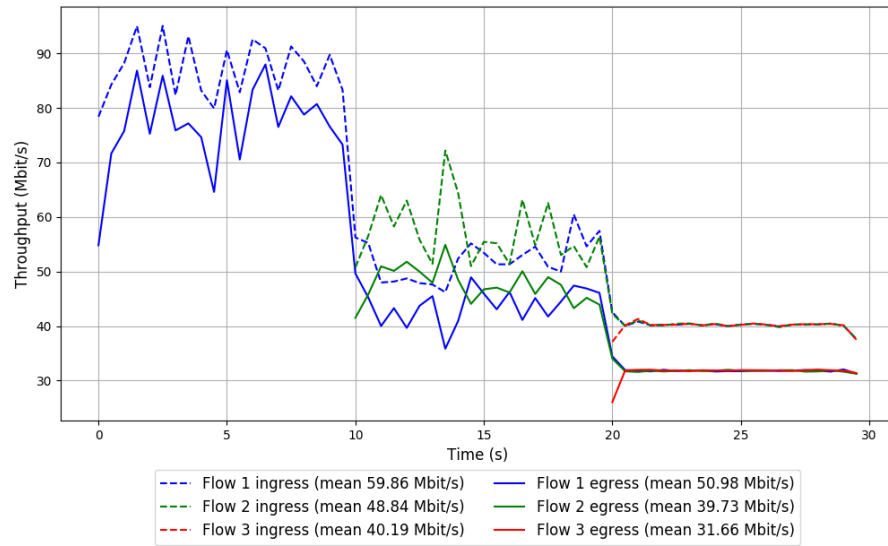


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 23:40:32
End at: 2018-04-24 23:41:02
Local clock offset: -2.702 ms
Remote clock offset: -6.635 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 41.838 ms
Loss rate: 16.75%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 38.376 ms
Loss rate: 14.80%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 42.280 ms
Loss rate: 18.57%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 44.878 ms
Loss rate: 21.10%

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

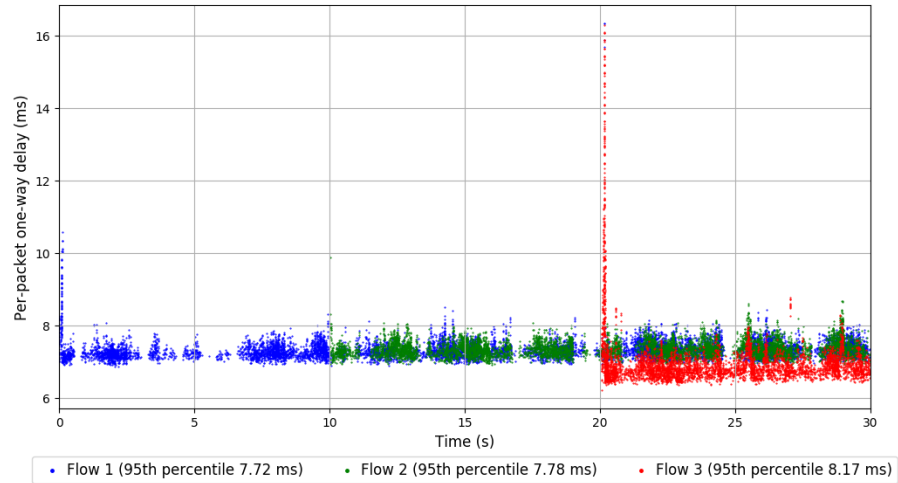
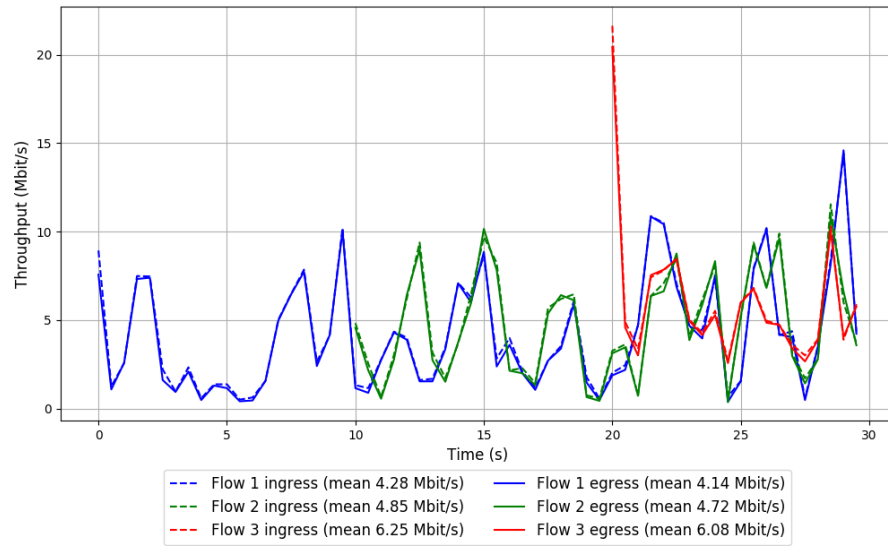


Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 20:45:22
End at: 2018-04-24 20:45:52
Local clock offset: 1.742 ms
Remote clock offset: -10.996 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 7.762 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 7.724 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 7.778 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 8.174 ms
Loss rate: 2.72%

Run 1: Report of TCP Vegas — Data Link

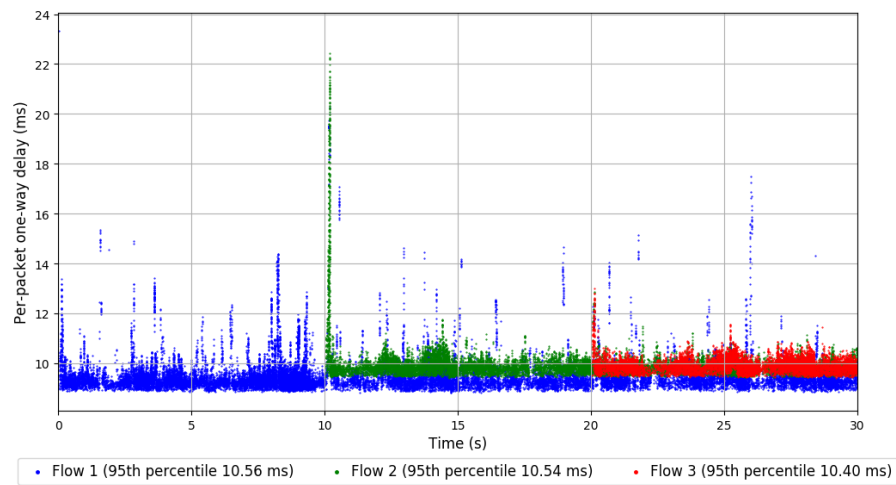
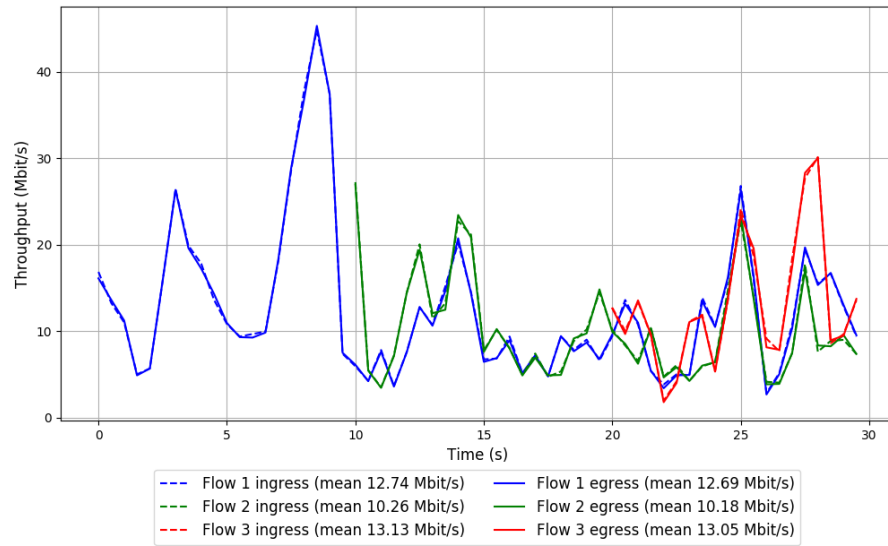


Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 21:05:04
End at: 2018-04-24 21:05:34
Local clock offset: -0.235 ms
Remote clock offset: -10.894 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 10.492 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 10.565 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 10.543 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 10.402 ms
Loss rate: 0.61%

Run 2: Report of TCP Vegas — Data Link

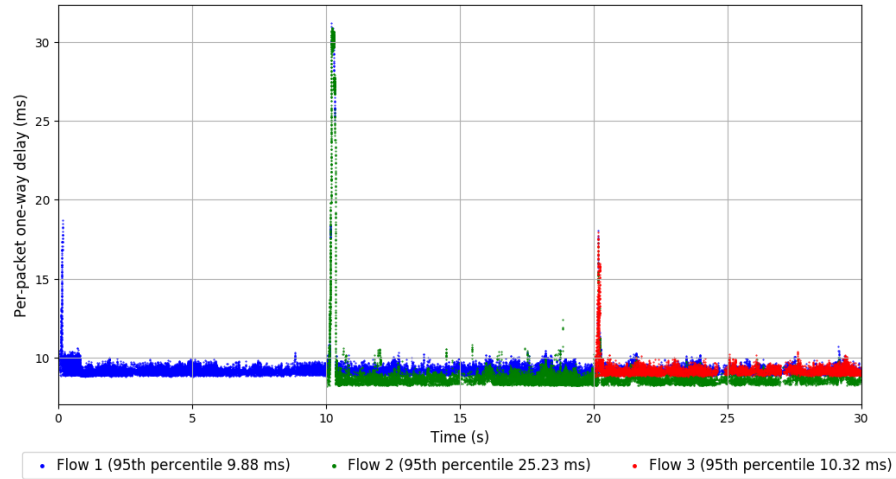
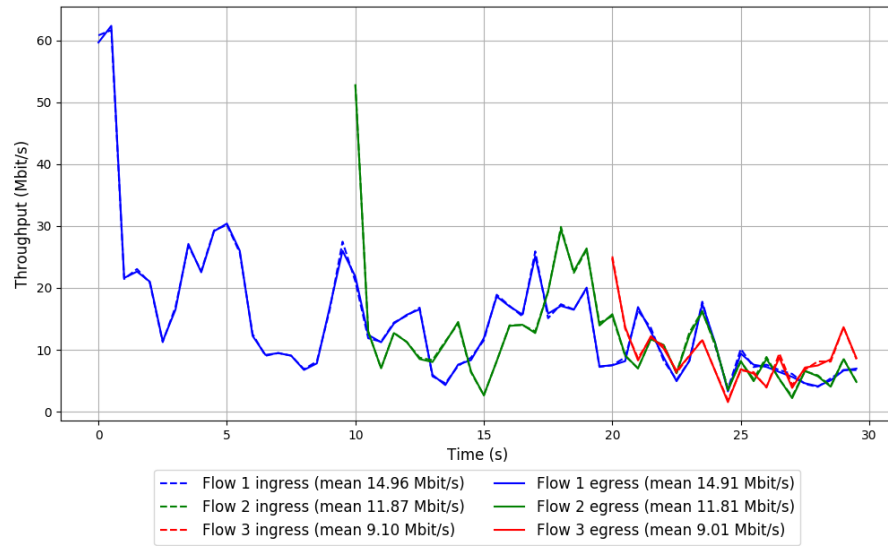


Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 21:24:37
End at: 2018-04-24 21:25:07
Local clock offset: 0.555 ms
Remote clock offset: -10.575 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 10.018 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 9.877 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 25.232 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 10.321 ms
Loss rate: 0.94%

Run 3: Report of TCP Vegas — Data Link

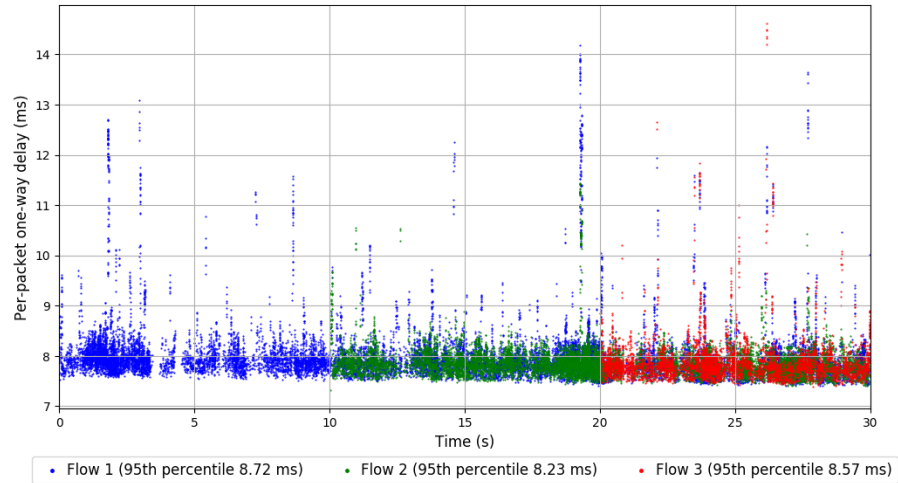
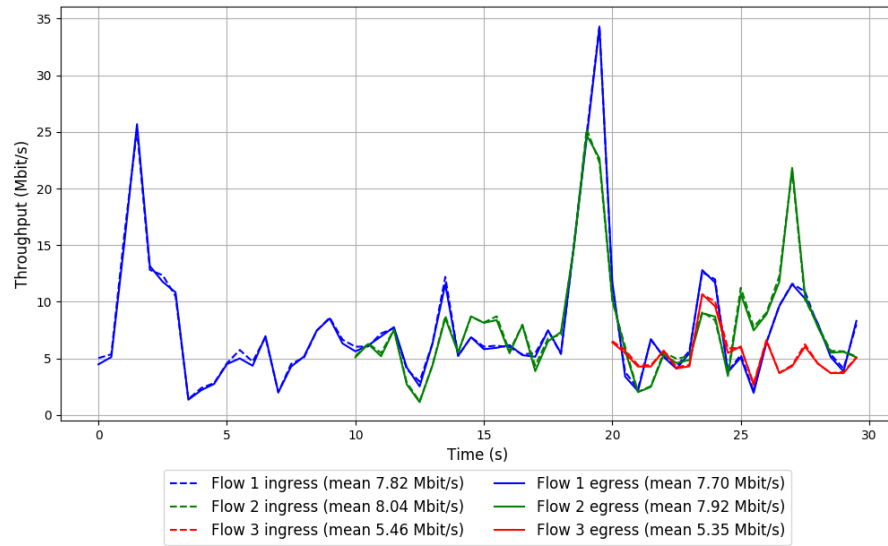


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 21:44:03
End at: 2018-04-24 21:44:33
Local clock offset: 0.163 ms
Remote clock offset: -5.102 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 8.469 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 8.716 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 8.226 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 8.568 ms
Loss rate: 2.05%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 22:03:41

End at: 2018-04-24 22:04:11

Local clock offset: -0.244 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-04-25 00:23:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: 10.791 ms

Loss rate: 3.23%

-- Flow 1:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 9.359 ms

Loss rate: 3.59%

-- Flow 2:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 9.335 ms

Loss rate: 3.42%

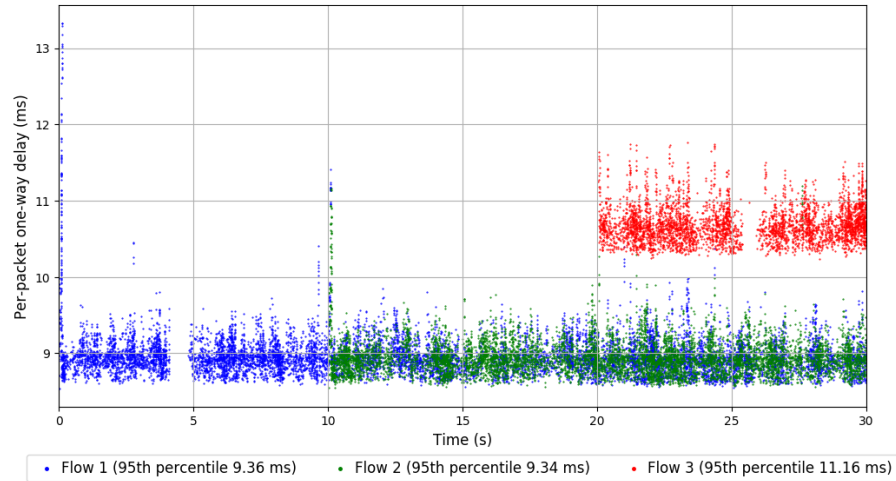
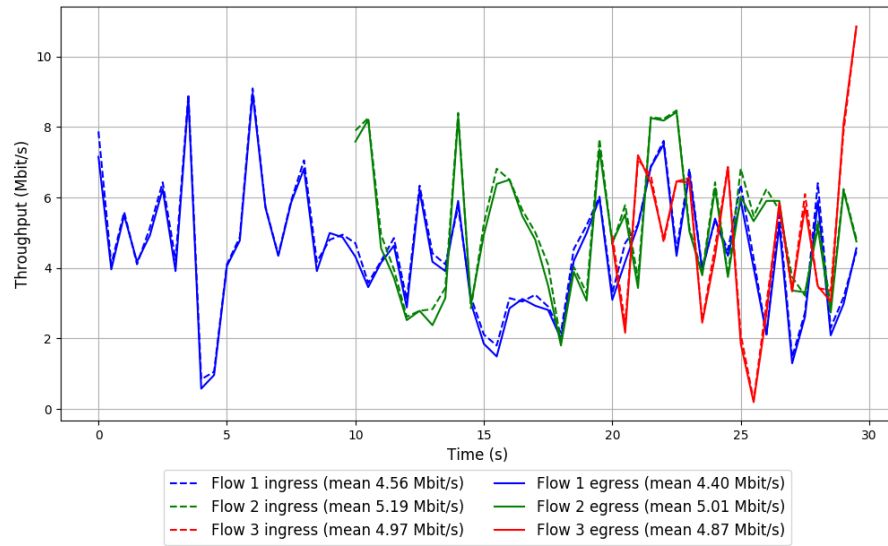
-- Flow 3:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 11.156 ms

Loss rate: 1.82%

Run 5: Report of TCP Vegas — Data Link

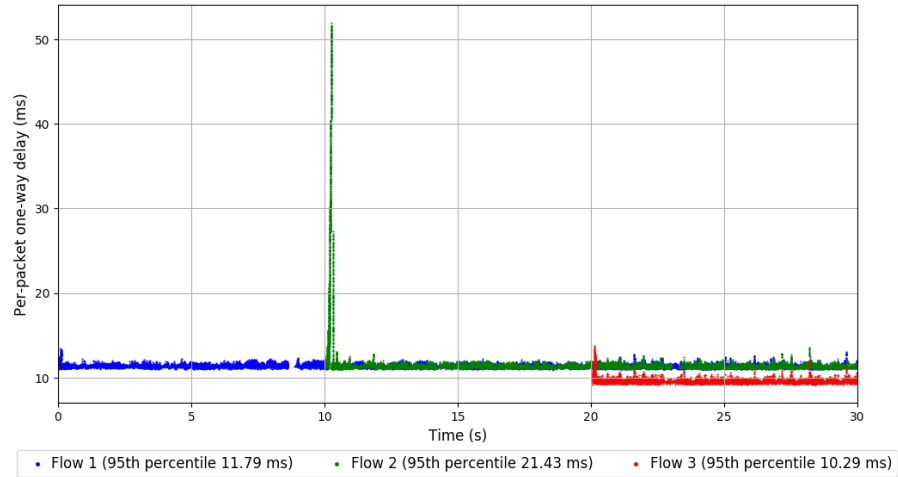
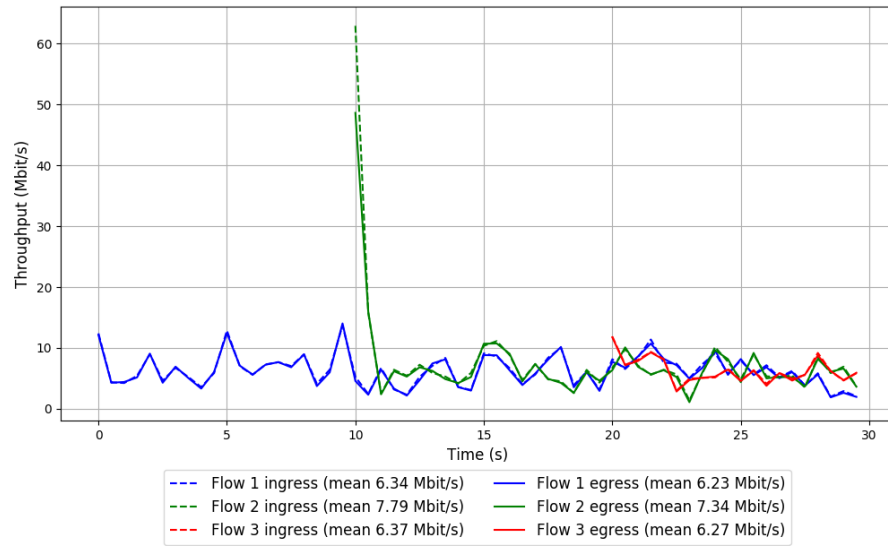


Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 22:23:26
End at: 2018-04-24 22:23:56
Local clock offset: -10.501 ms
Remote clock offset: -5.784 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 11.965 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 11.795 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 21.427 ms
Loss rate: 5.78%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 10.290 ms
Loss rate: 1.52%

Run 6: Report of TCP Vegas — Data Link

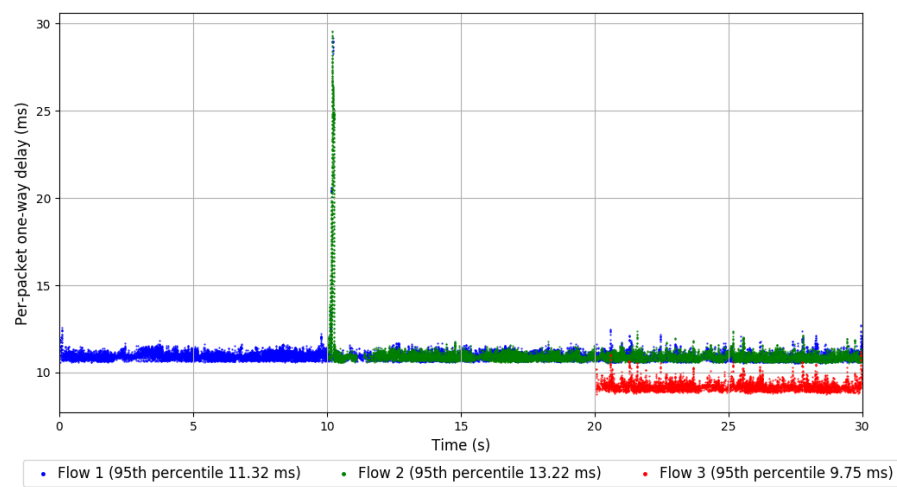
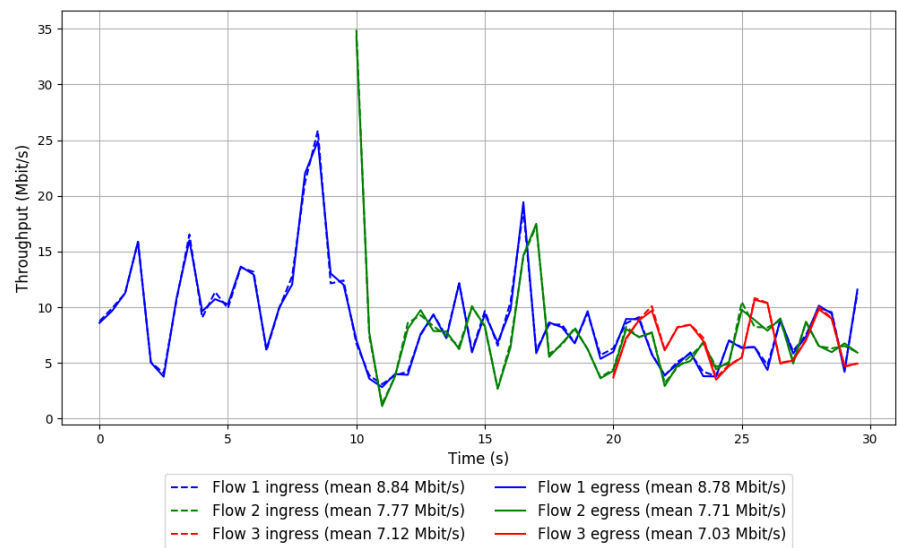


Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 22:43:21
End at: 2018-04-24 22:43:51
Local clock offset: -14.216 ms
Remote clock offset: -6.425 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 11.349 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 11.323 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 13.224 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 9.752 ms
Loss rate: 1.24%

Run 7: Report of TCP Vegas — Data Link

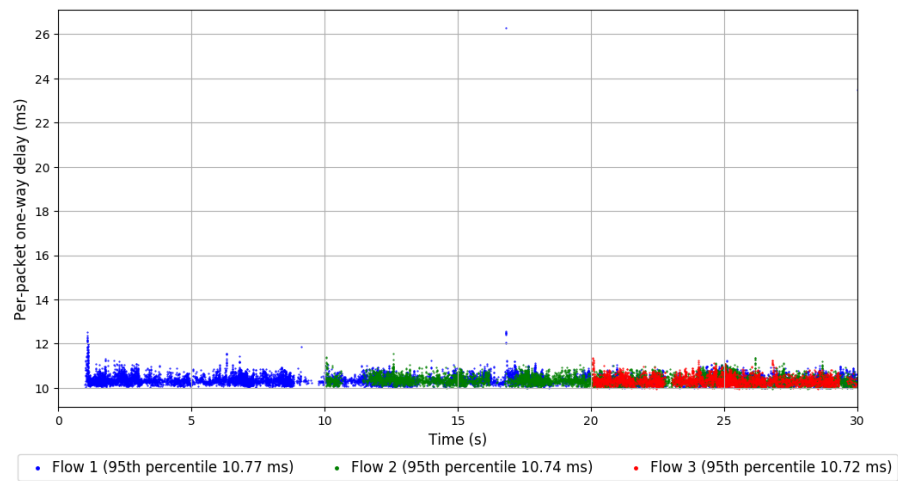
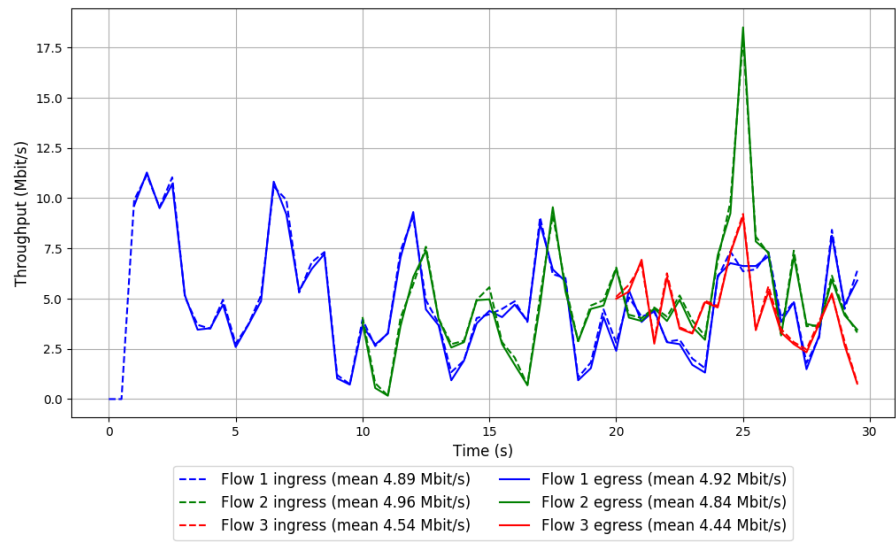


Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 23:03:10
End at: 2018-04-24 23:03:40
Local clock offset: -15.977 ms
Remote clock offset: -6.052 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 10.750 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 10.768 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 10.741 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 10.716 ms
Loss rate: 2.16%

Run 8: Report of TCP Vegas — Data Link

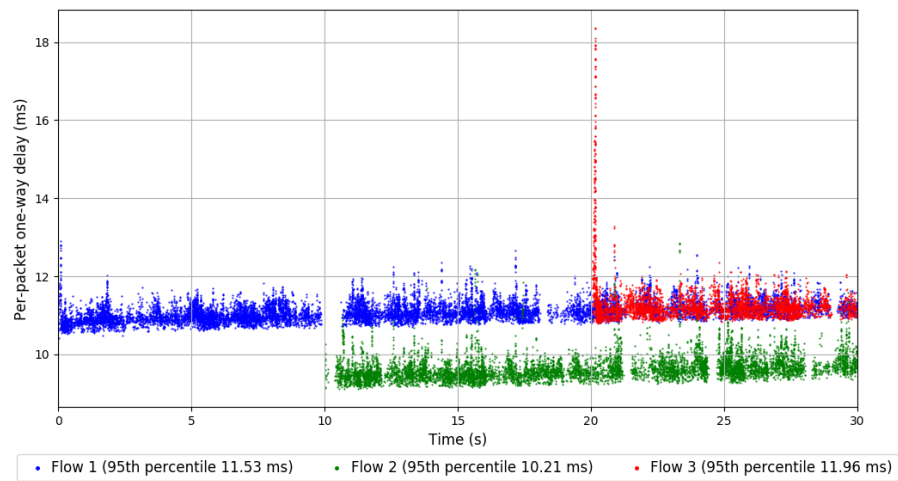
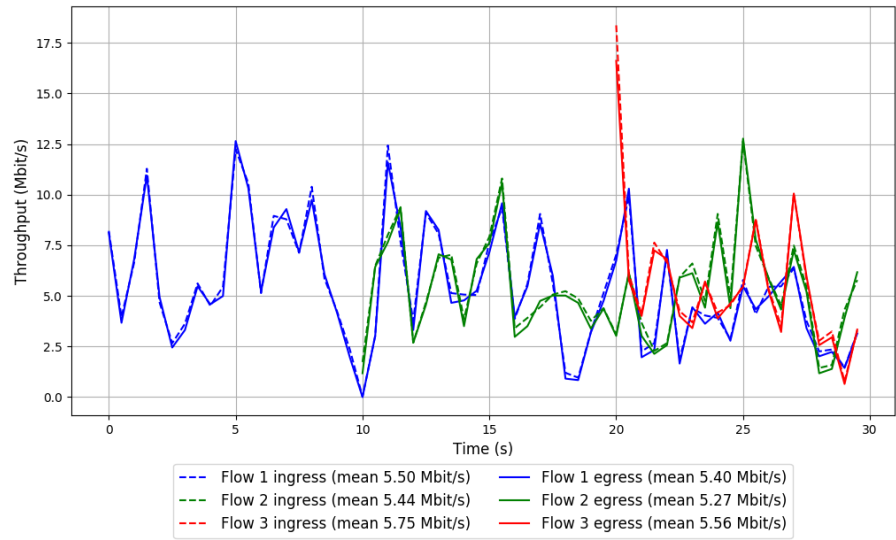


Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 23:23:17
End at: 2018-04-24 23:23:47
Local clock offset: -10.56 ms
Remote clock offset: -7.518 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 11.538 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 11.527 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 10.213 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 11.963 ms
Loss rate: 3.44%

Run 9: Report of TCP Vegas — Data Link

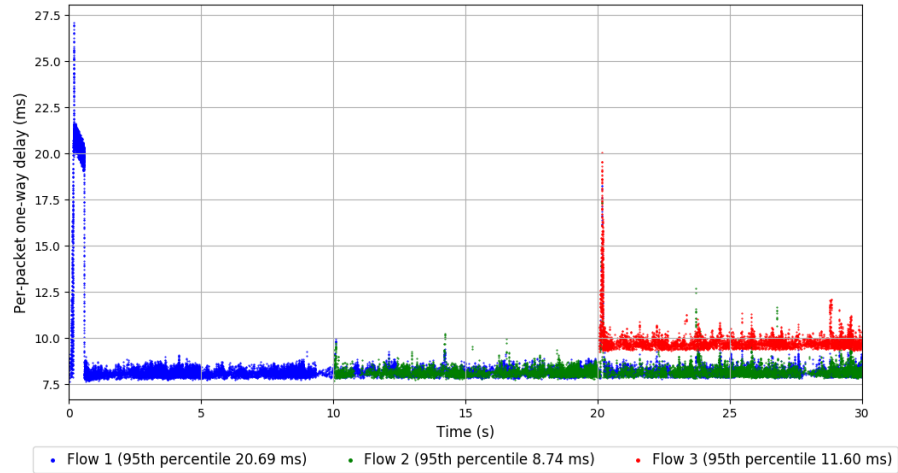
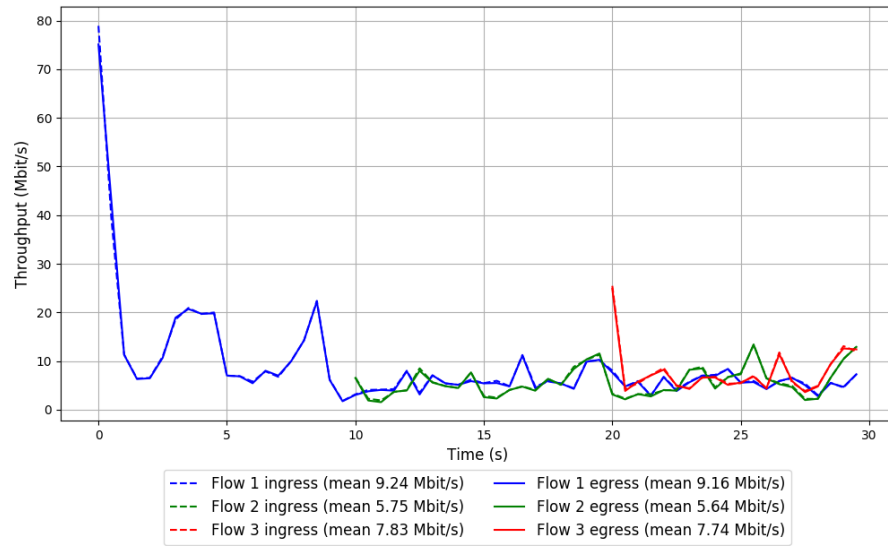


Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 23:42:54
End at: 2018-04-24 23:43:24
Local clock offset: -2.258 ms
Remote clock offset: -7.768 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 20.687 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 8.745 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 11.601 ms
Loss rate: 1.16%

Run 10: Report of TCP Vegas — Data Link

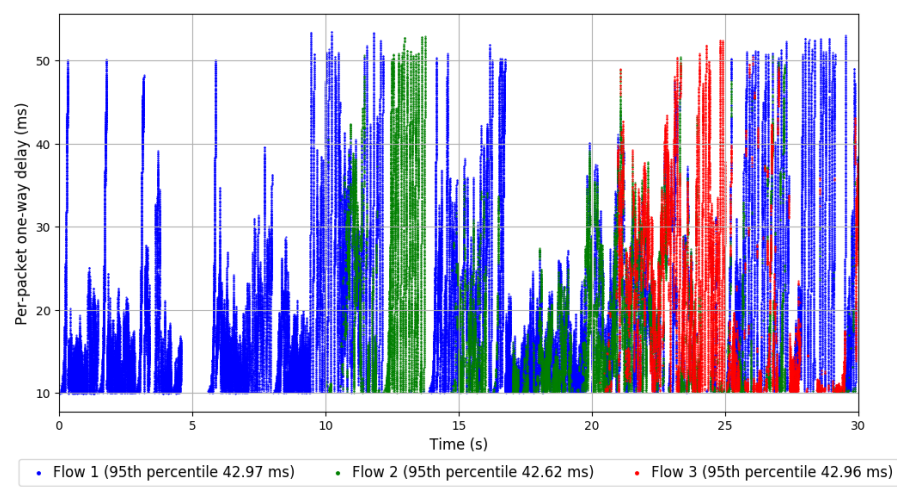
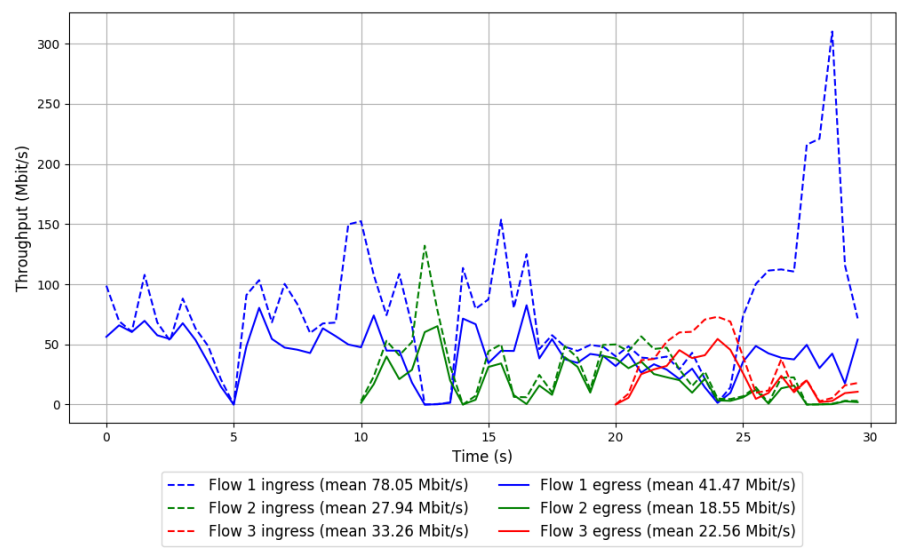


Run 1: Statistics of Verus

Start at: 2018-04-24 20:30:22
End at: 2018-04-24 20:30:52
Local clock offset: -2.049 ms
Remote clock offset: -9.506 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.11 Mbit/s
95th percentile per-packet one-way delay: 42.888 ms
Loss rate: 43.04%
-- Flow 1:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 42.969 ms
Loss rate: 46.82%
-- Flow 2:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 42.620 ms
Loss rate: 33.55%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 42.962 ms
Loss rate: 32.05%

Run 1: Report of Verus — Data Link

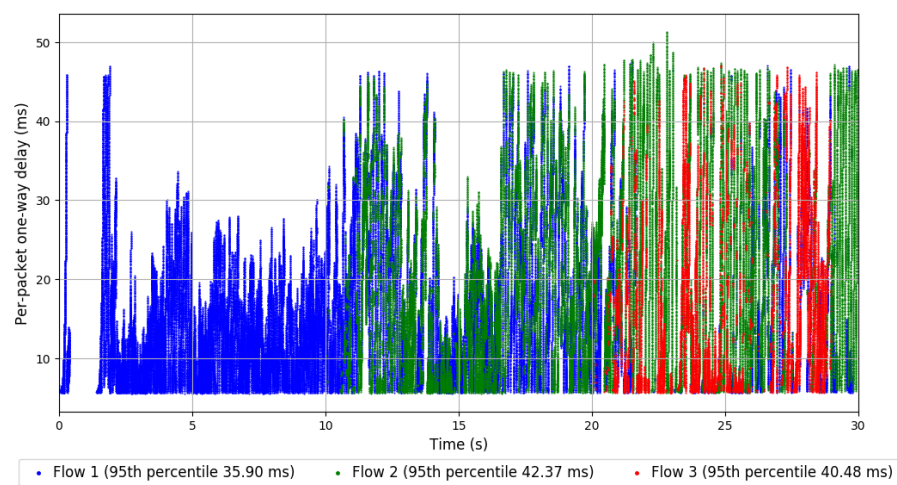
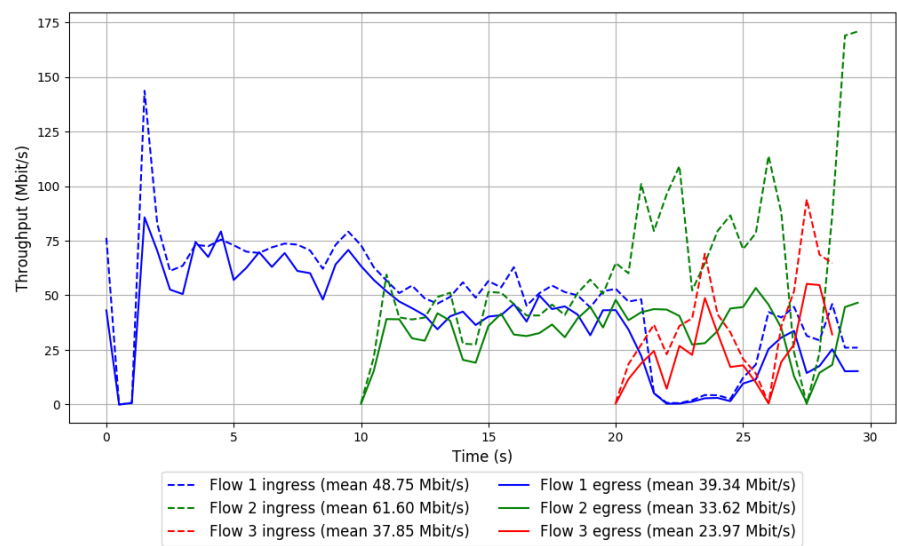


Run 2: Statistics of Verus

Start at: 2018-04-24 20:50:06
End at: 2018-04-24 20:50:36
Local clock offset: 3.135 ms
Remote clock offset: -10.909 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 39.643 ms
Loss rate: 32.02%
-- Flow 1:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 35.904 ms
Loss rate: 19.75%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 42.366 ms
Loss rate: 45.35%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 40.480 ms
Loss rate: 36.60%

Run 2: Report of Verus — Data Link

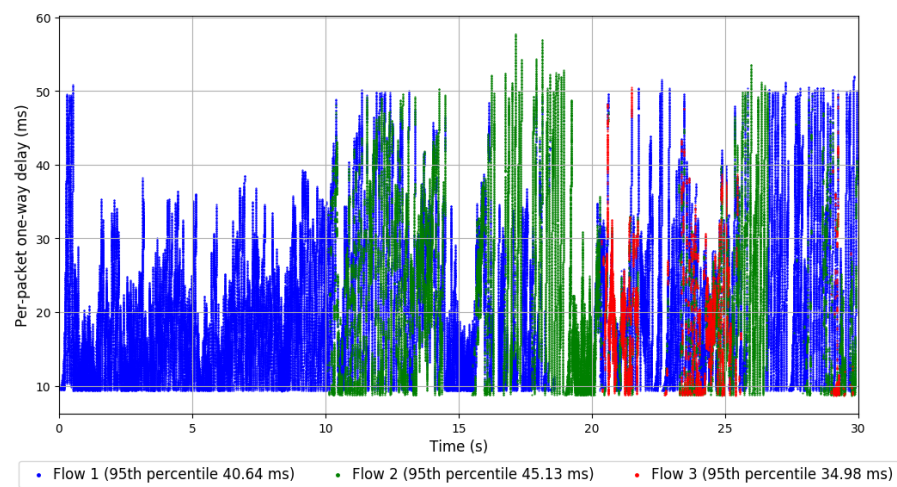
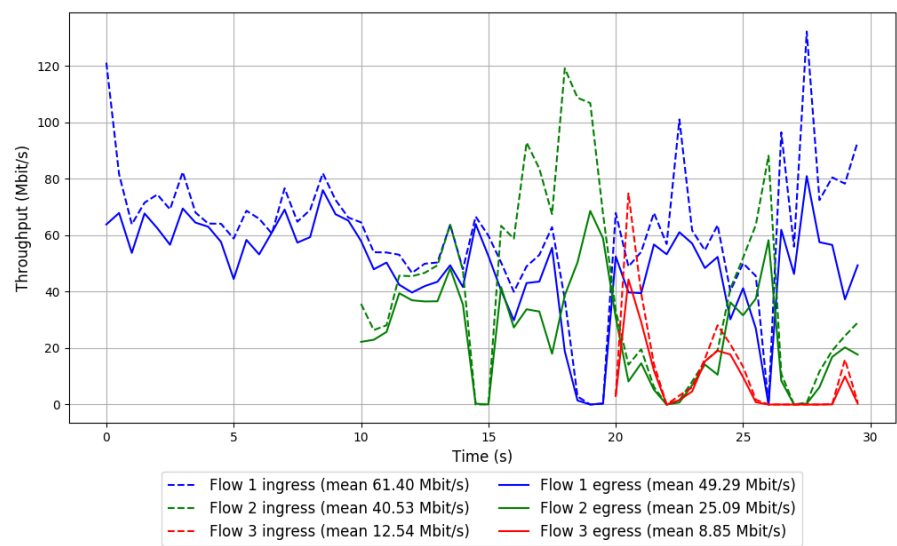


Run 3: Statistics of Verus

Start at: 2018-04-24 21:09:44
End at: 2018-04-24 21:10:14
Local clock offset: -0.897 ms
Remote clock offset: -11.409 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 41.975 ms
Loss rate: 25.48%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 40.642 ms
Loss rate: 19.65%
-- Flow 2:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 45.126 ms
Loss rate: 38.13%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 34.978 ms
Loss rate: 29.71%

Run 3: Report of Verus — Data Link

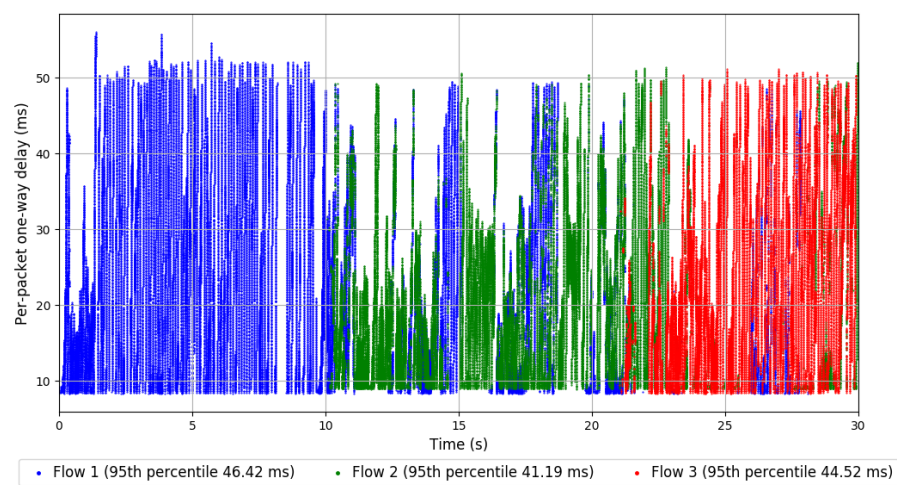
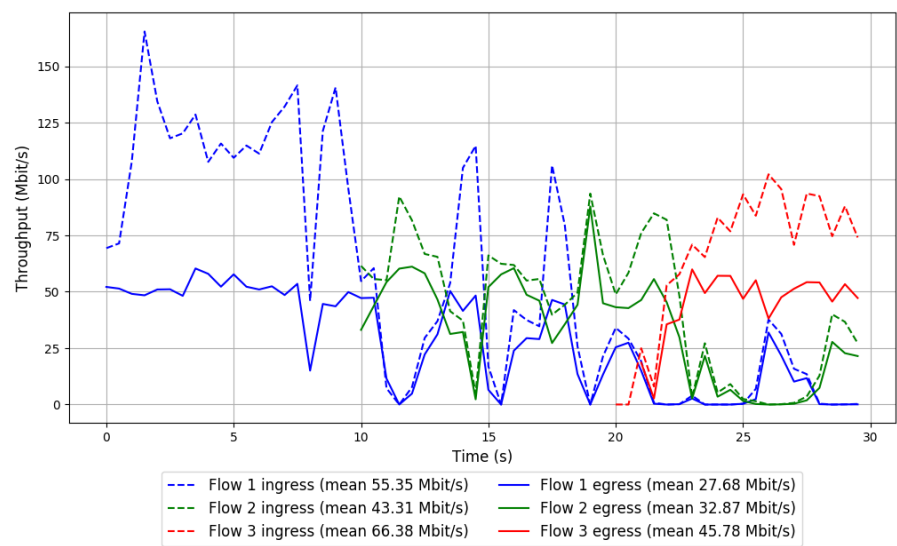


Run 4: Statistics of Verus

Start at: 2018-04-24 21:29:15
End at: 2018-04-24 21:29:45
Local clock offset: 0.312 ms
Remote clock offset: -10.909 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.94 Mbit/s
95th percentile per-packet one-way delay: 44.797 ms
Loss rate: 40.48%
-- Flow 1:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 46.421 ms
Loss rate: 50.03%
-- Flow 2:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 41.185 ms
Loss rate: 24.10%
-- Flow 3:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 44.517 ms
Loss rate: 37.93%

Run 4: Report of Verus — Data Link

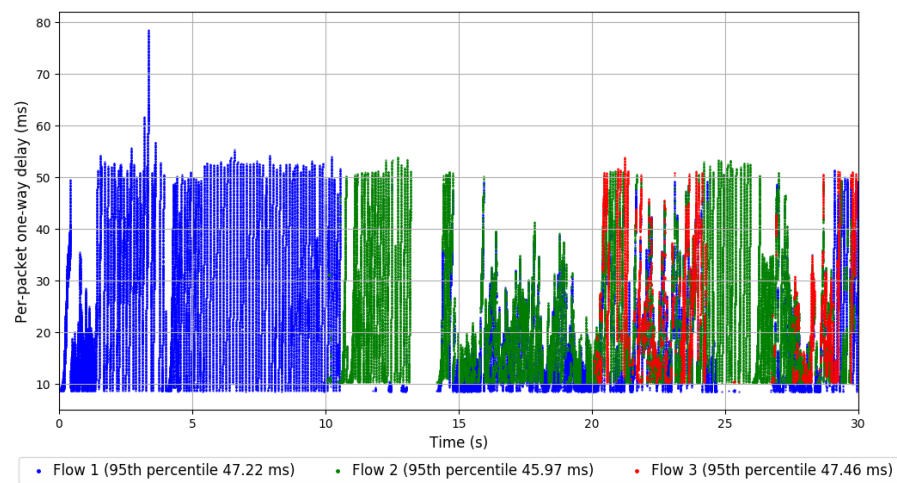
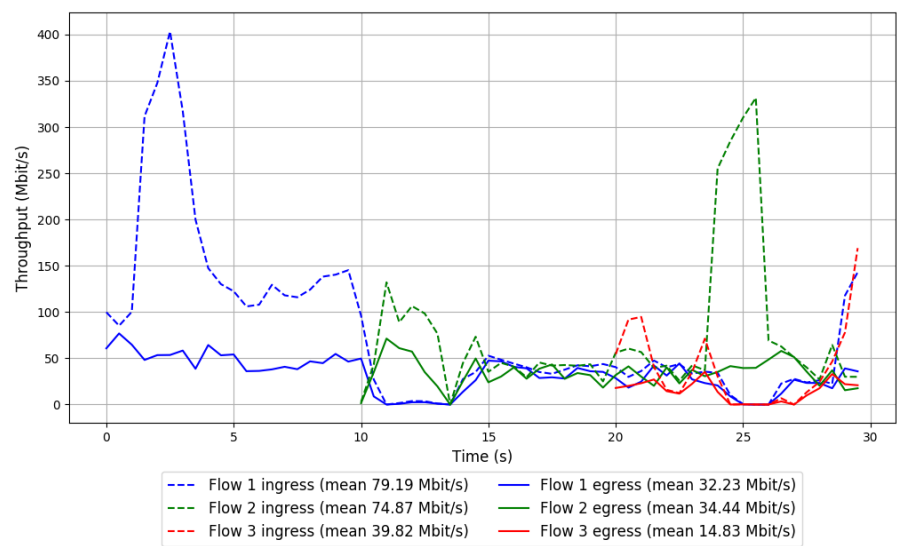


Run 5: Statistics of Verus

Start at: 2018-04-24 21:48:47
End at: 2018-04-24 21:49:17
Local clock offset: 0.344 ms
Remote clock offset: -2.689 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 46.827 ms
Loss rate: 57.76%
-- Flow 1:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 47.220 ms
Loss rate: 59.26%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 45.974 ms
Loss rate: 54.07%
-- Flow 3:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 47.456 ms
Loss rate: 62.70%

Run 5: Report of Verus — Data Link

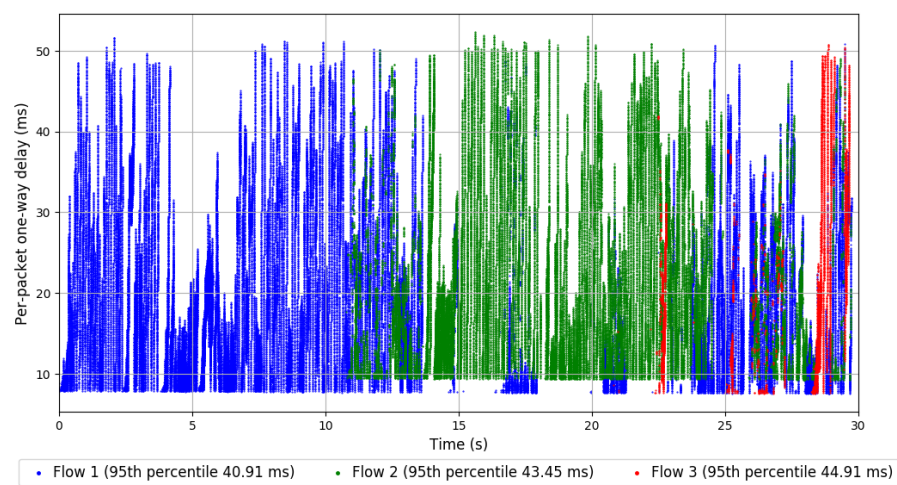
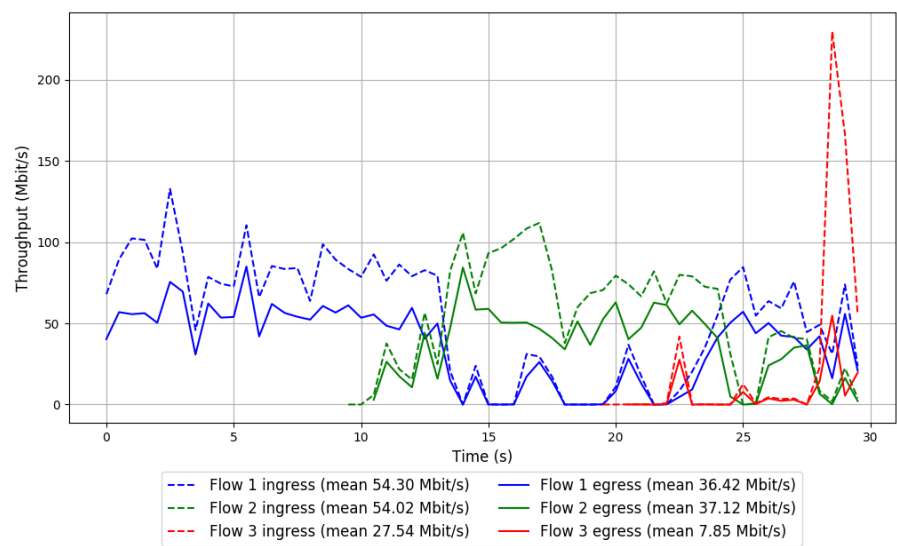


Run 6: Statistics of Verus

Start at: 2018-04-24 22:08:25
End at: 2018-04-24 22:08:55
Local clock offset: -1.652 ms
Remote clock offset: -3.497 ms

Below is generated by plot.py at 2018-04-25 00:23:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 42.238 ms
Loss rate: 37.34%
-- Flow 1:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 40.910 ms
Loss rate: 32.88%
-- Flow 2:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 43.445 ms
Loss rate: 34.71%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 44.908 ms
Loss rate: 74.33%

Run 6: Report of Verus — Data Link

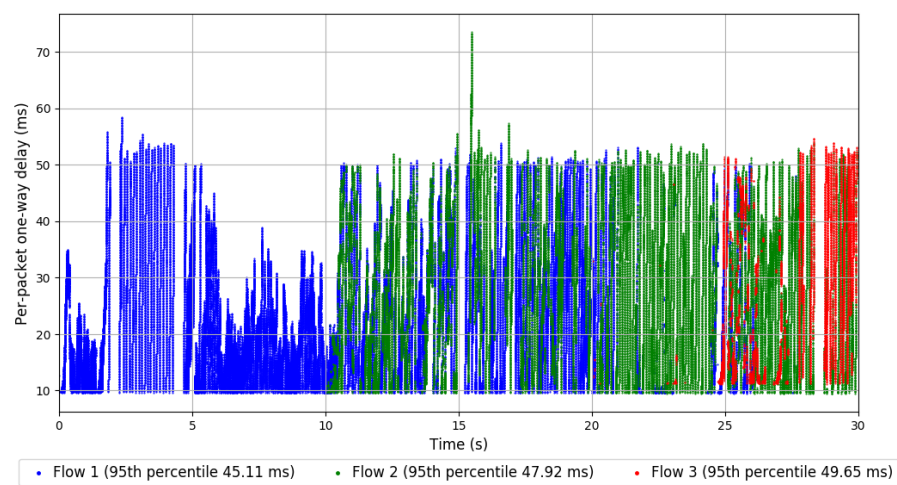
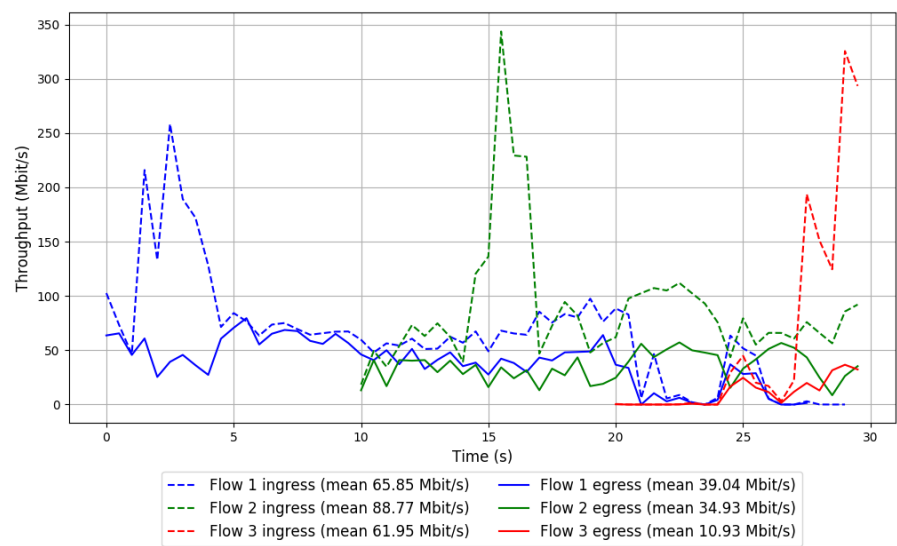


Run 7: Statistics of Verus

Start at: 2018-04-24 22:28:11
End at: 2018-04-24 22:28:41
Local clock offset: -11.87 ms
Remote clock offset: -5.904 ms

Below is generated by plot.py at 2018-04-25 00:24:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 46.901 ms
Loss rate: 56.10%
-- Flow 1:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 45.111 ms
Loss rate: 43.48%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 47.921 ms
Loss rate: 60.62%
-- Flow 3:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 49.648 ms
Loss rate: 82.40%

Run 7: Report of Verus — Data Link

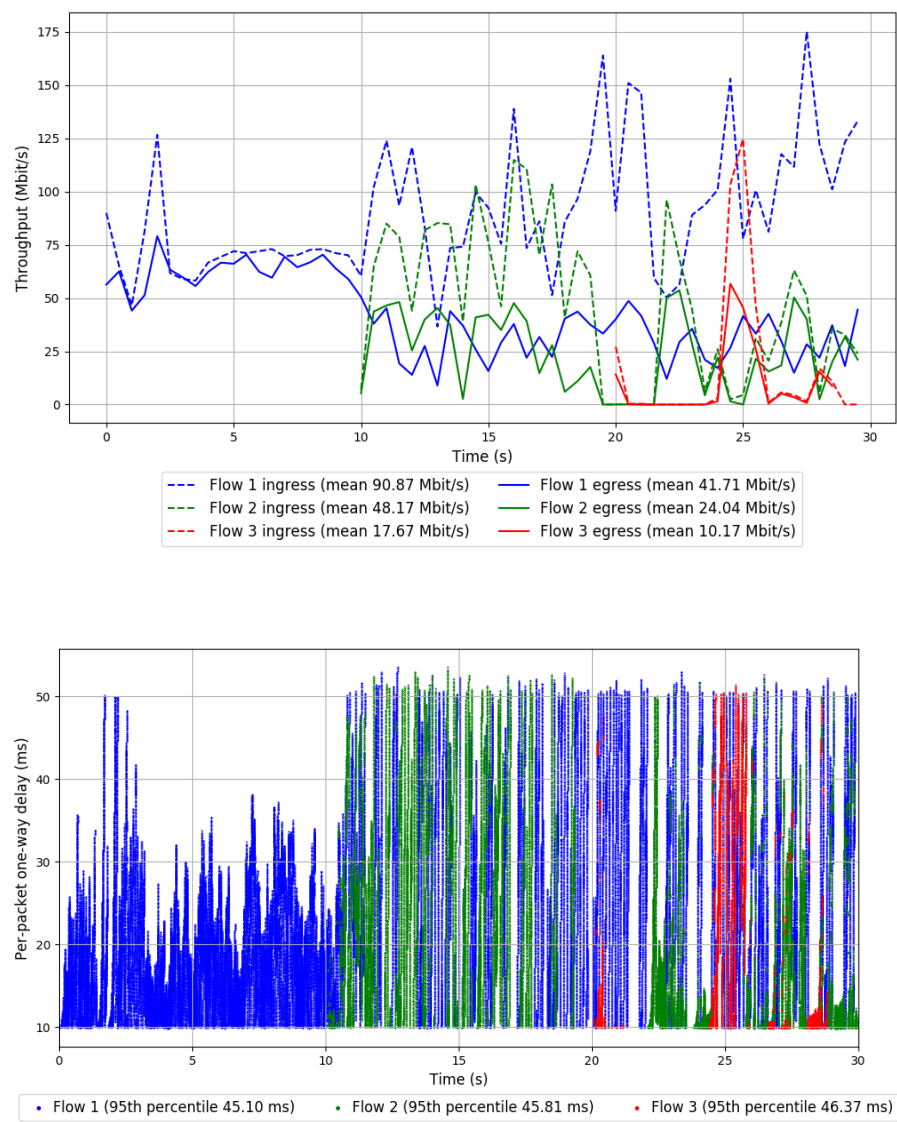


Run 8: Statistics of Verus

Start at: 2018-04-24 22:48:01
End at: 2018-04-24 22:48:31
Local clock offset: -14.238 ms
Remote clock offset: -6.535 ms

Below is generated by plot.py at 2018-04-25 00:24:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 45.389 ms
Loss rate: 52.84%
-- Flow 1:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 45.100 ms
Loss rate: 54.09%
-- Flow 2:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 45.813 ms
Loss rate: 50.12%
-- Flow 3:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 46.365 ms
Loss rate: 48.45%

Run 8: Report of Verus — Data Link

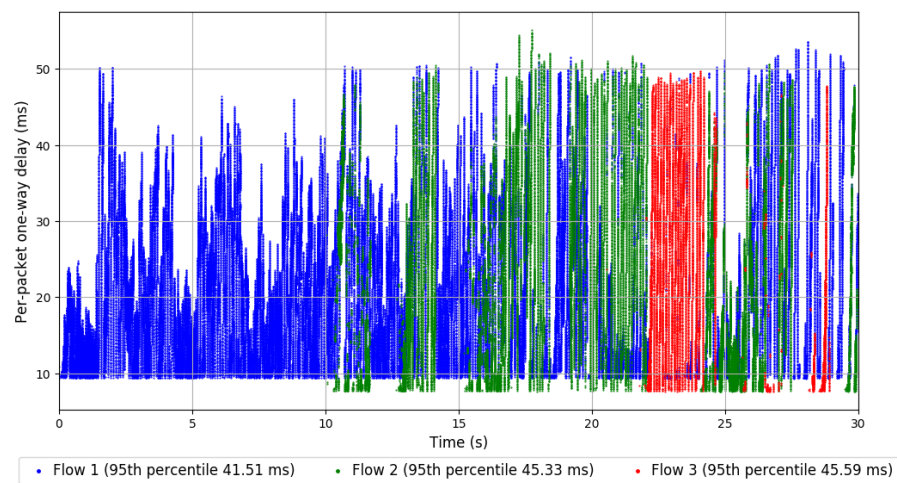
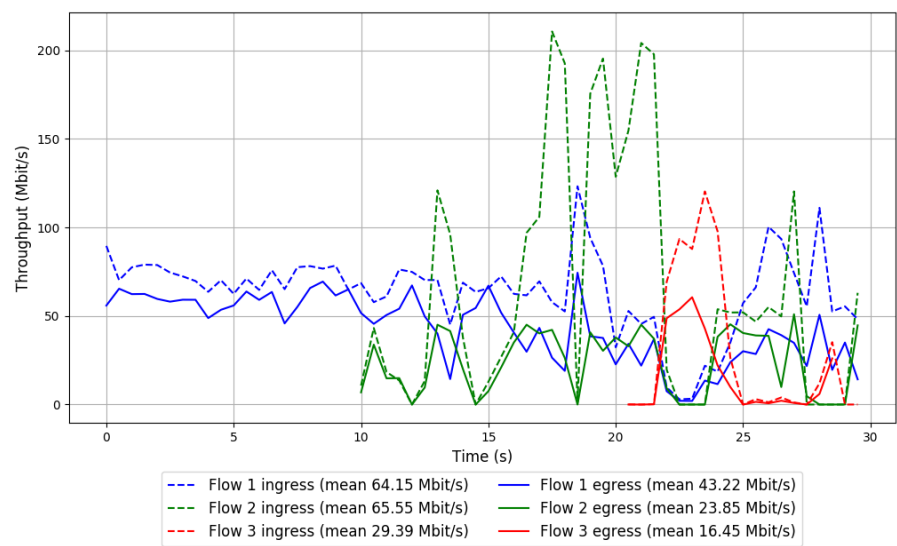


Run 9: Statistics of Verus

Start at: 2018-04-24 23:08:05
End at: 2018-04-24 23:08:35
Local clock offset: -16.972 ms
Remote clock offset: -7.072 ms

Below is generated by plot.py at 2018-04-25 00:24:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 43.530 ms
Loss rate: 45.54%
-- Flow 1:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 41.507 ms
Loss rate: 32.57%
-- Flow 2:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 45.331 ms
Loss rate: 63.64%
-- Flow 3:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 50.12%

Run 9: Report of Verus — Data Link

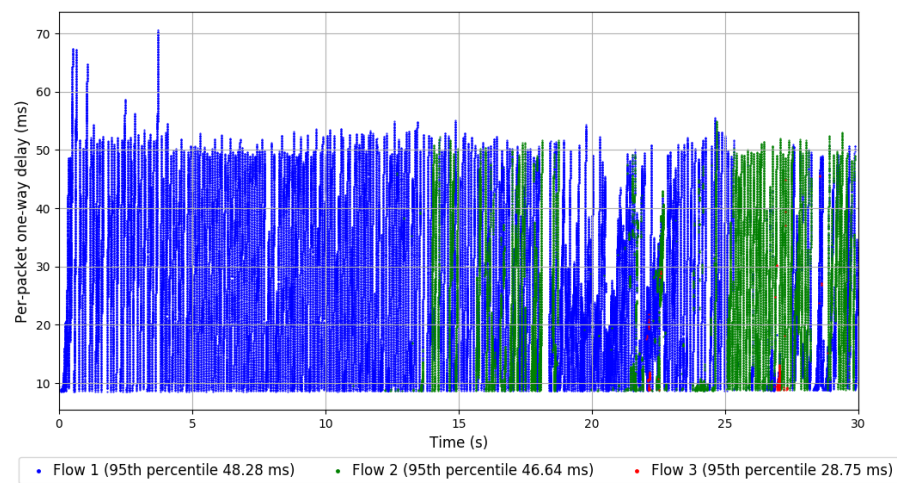
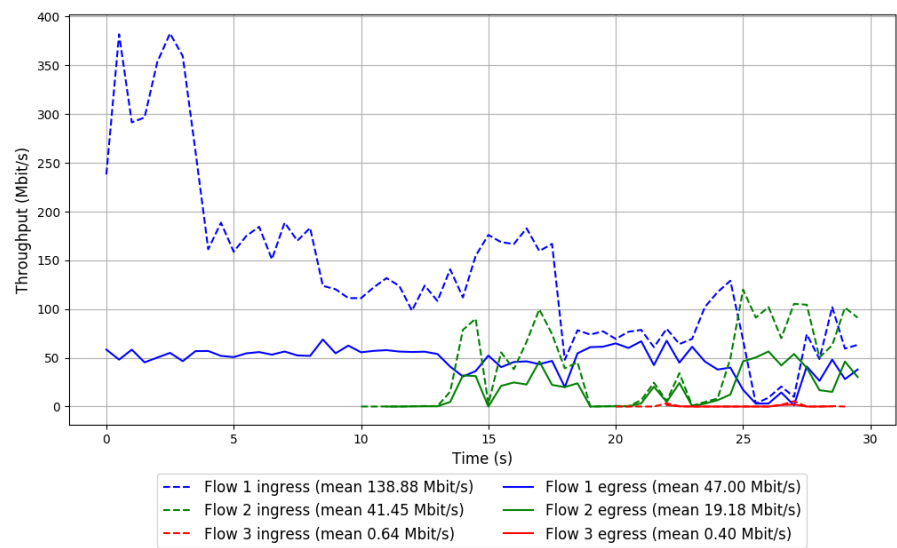


Run 10: Statistics of Verus

Start at: 2018-04-24 23:27:58
End at: 2018-04-24 23:28:28
Local clock offset: -7.216 ms
Remote clock offset: -7.481 ms

Below is generated by plot.py at 2018-04-25 00:24:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 47.956 ms
Loss rate: 64.45%
-- Flow 1:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 48.279 ms
Loss rate: 66.14%
-- Flow 2:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 46.641 ms
Loss rate: 56.01%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 28.746 ms
Loss rate: 52.36%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 20:31:38

End at: 2018-04-24 20:32:08

Local clock offset: -0.311 ms

Remote clock offset: -9.72 ms

Below is generated by plot.py at 2018-04-25 00:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.83 Mbit/s

95th percentile per-packet one-way delay: 9.371 ms

Loss rate: 12.03%

-- Flow 1:

Average throughput: 35.84 Mbit/s

95th percentile per-packet one-way delay: 9.306 ms

Loss rate: 11.58%

-- Flow 2:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 8.122 ms

Loss rate: 12.77%

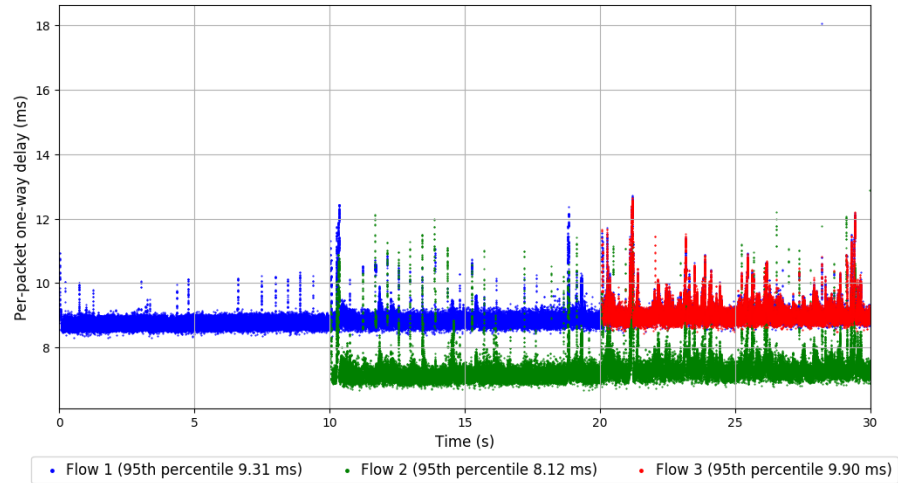
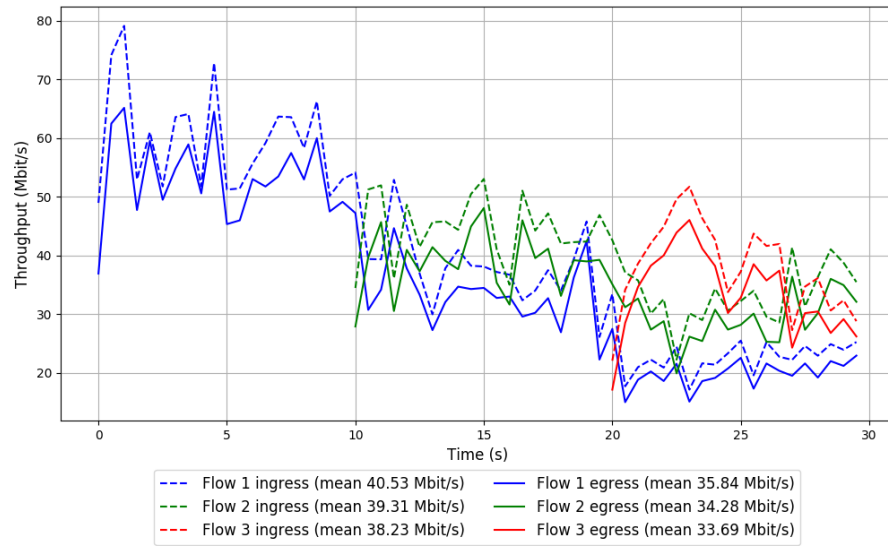
-- Flow 3:

Average throughput: 33.69 Mbit/s

95th percentile per-packet one-way delay: 9.902 ms

Loss rate: 11.92%

Run 1: Report of Copa — Data Link

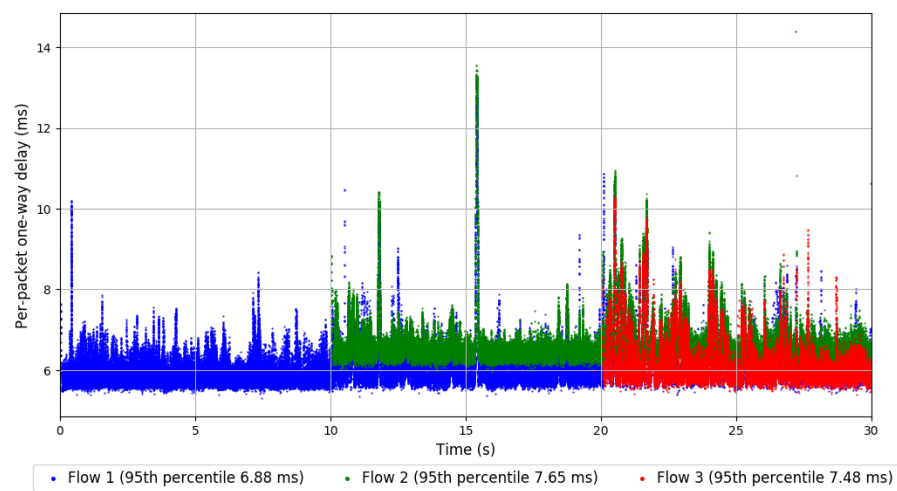
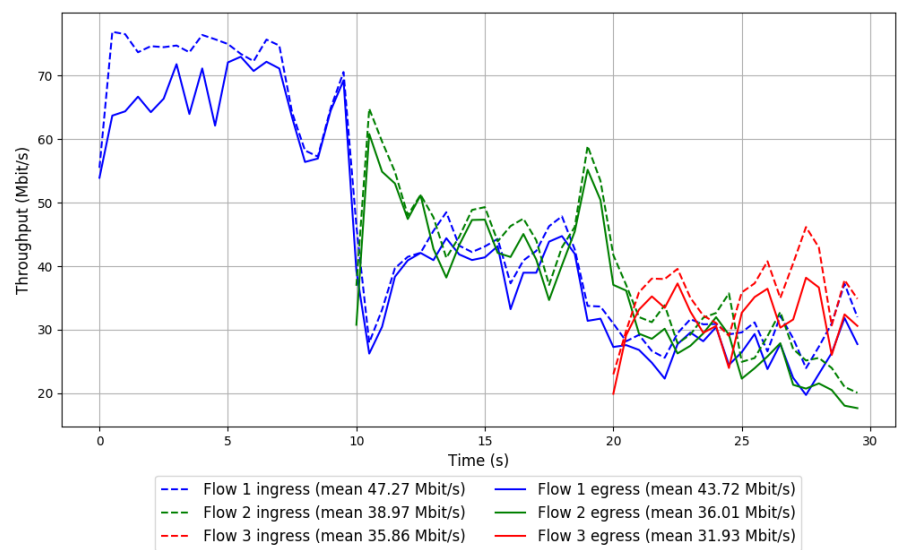


Run 2: Statistics of Copa

Start at: 2018-04-24 20:51:17
End at: 2018-04-24 20:51:47
Local clock offset: 3.166 ms
Remote clock offset: -11.185 ms

Below is generated by plot.py at 2018-04-25 00:25:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 7.271 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 43.72 Mbit/s
95th percentile per-packet one-way delay: 6.878 ms
Loss rate: 7.51%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 7.651 ms
Loss rate: 7.58%
-- Flow 3:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 7.483 ms
Loss rate: 10.98%

Run 2: Report of Copa — Data Link

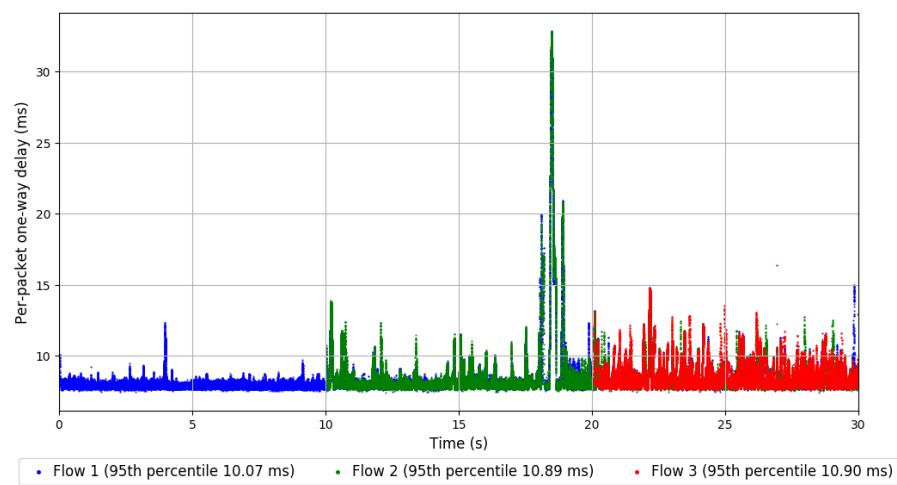
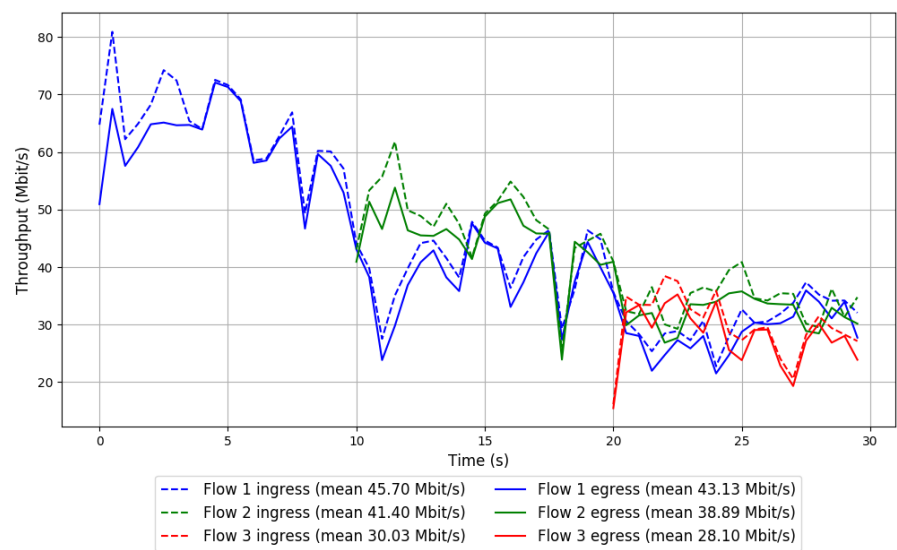


Run 3: Statistics of Copa

Start at: 2018-04-24 21:10:55
End at: 2018-04-24 21:11:25
Local clock offset: 0.944 ms
Remote clock offset: -10.678 ms

Below is generated by plot.py at 2018-04-25 00:25:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 10.067 ms
Loss rate: 5.62%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 10.890 ms
Loss rate: 6.03%
-- Flow 3:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 6.44%

Run 3: Report of Copa — Data Link

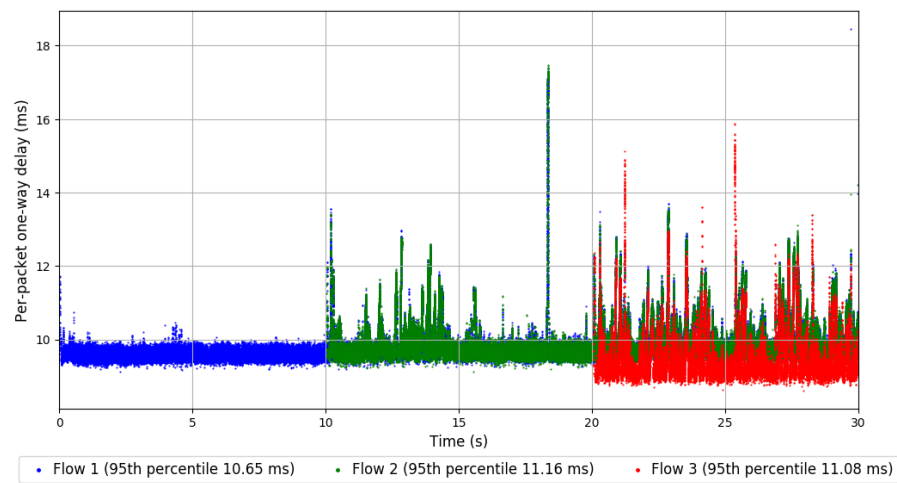
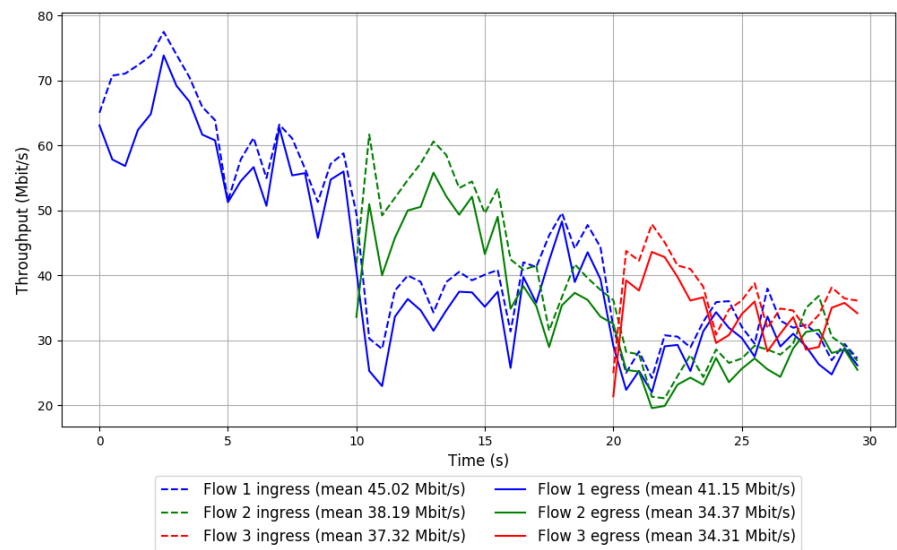


Run 4: Statistics of Copa

Start at: 2018-04-24 21:30:24
End at: 2018-04-24 21:30:54
Local clock offset: -0.521 ms
Remote clock offset: -11.411 ms

Below is generated by plot.py at 2018-04-25 00:25:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 10.918 ms
Loss rate: 8.93%
-- Flow 1:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 10.651 ms
Loss rate: 8.57%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 11.156 ms
Loss rate: 10.00%
-- Flow 3:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 11.078 ms
Loss rate: 8.08%

Run 4: Report of Copa — Data Link

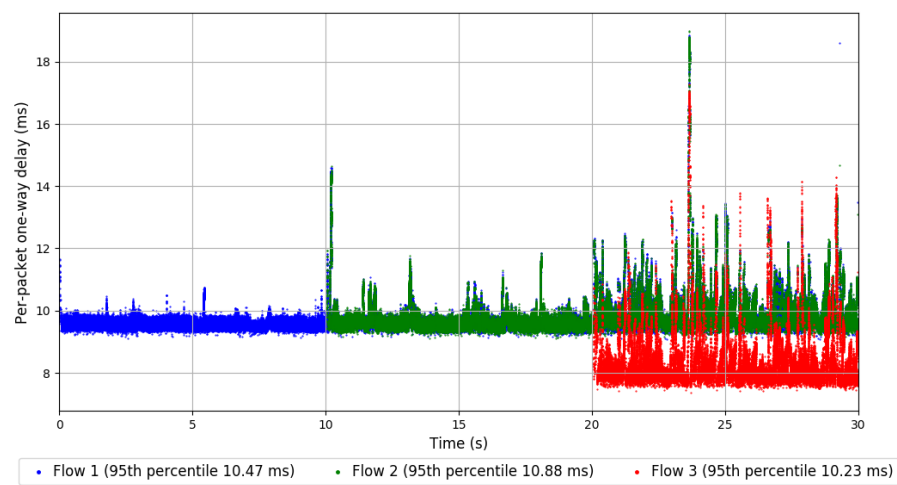
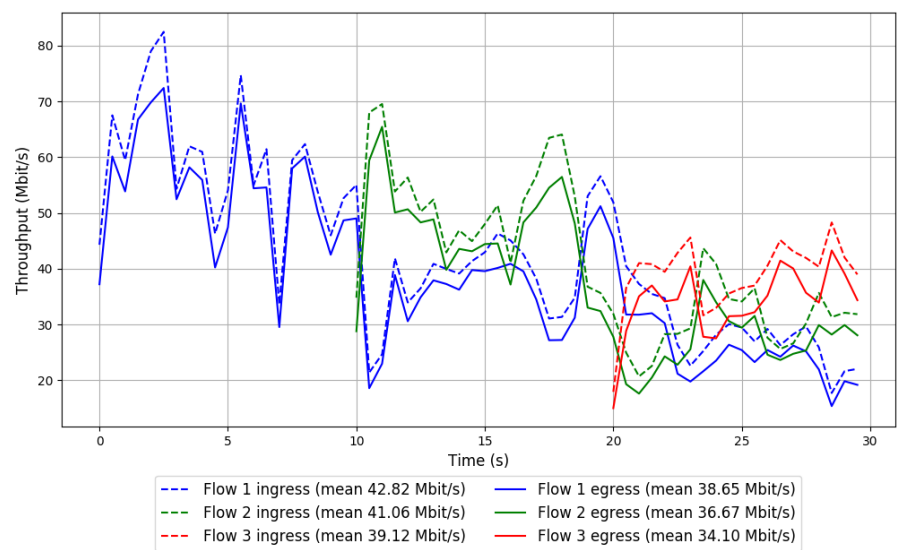


Run 5: Statistics of Copa

Start at: 2018-04-24 21:49:58
End at: 2018-04-24 21:50:28
Local clock offset: 0.483 ms
Remote clock offset: -3.369 ms

Below is generated by plot.py at 2018-04-25 00:26:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 10.603 ms
Loss rate: 10.52%
-- Flow 1:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: 10.473 ms
Loss rate: 9.74%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 10.884 ms
Loss rate: 10.68%
-- Flow 3:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 10.226 ms
Loss rate: 12.79%

Run 5: Report of Copa — Data Link

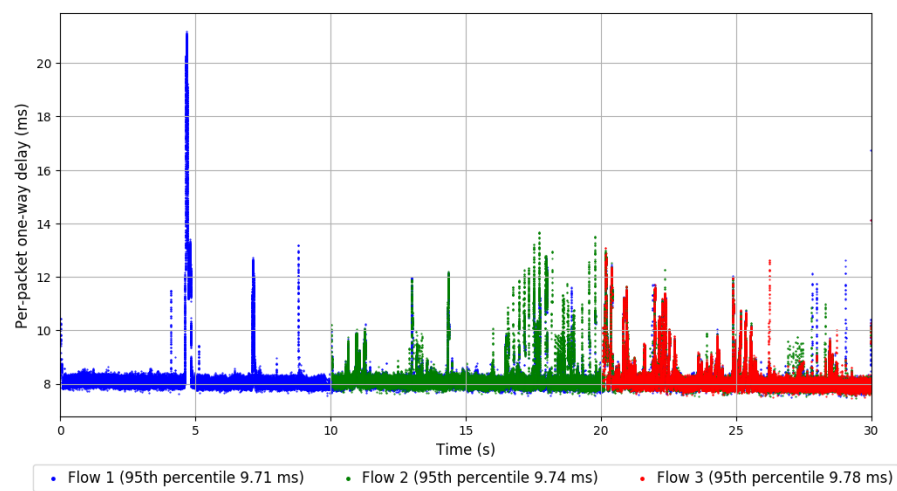
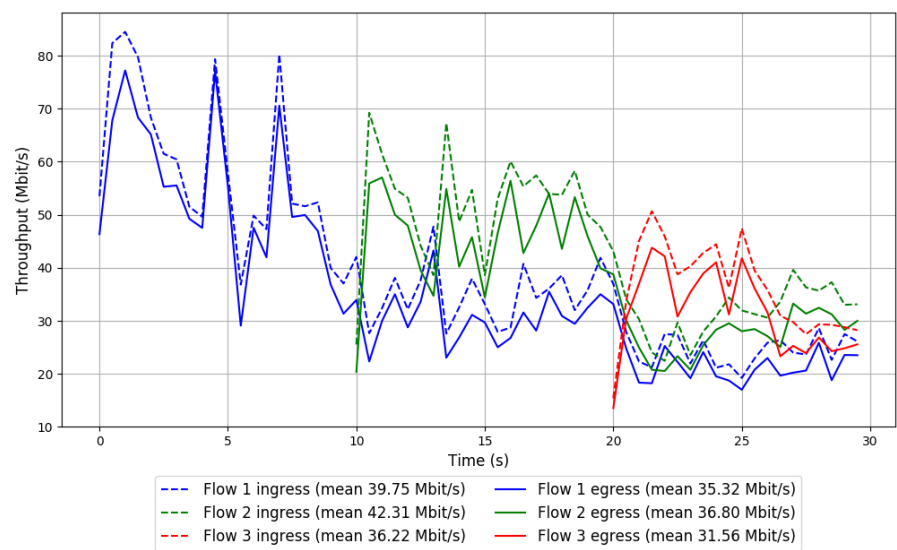


Run 6: Statistics of Copa

Start at: 2018-04-24 22:09:35
End at: 2018-04-24 22:10:05
Local clock offset: -2.012 ms
Remote clock offset: -3.224 ms

Below is generated by plot.py at 2018-04-25 00:26:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.29 Mbit/s
95th percentile per-packet one-way delay: 9.739 ms
Loss rate: 12.04%
-- Flow 1:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 9.713 ms
Loss rate: 11.11%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 9.740 ms
Loss rate: 13.03%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 9.778 ms
Loss rate: 12.81%

Run 6: Report of Copa — Data Link

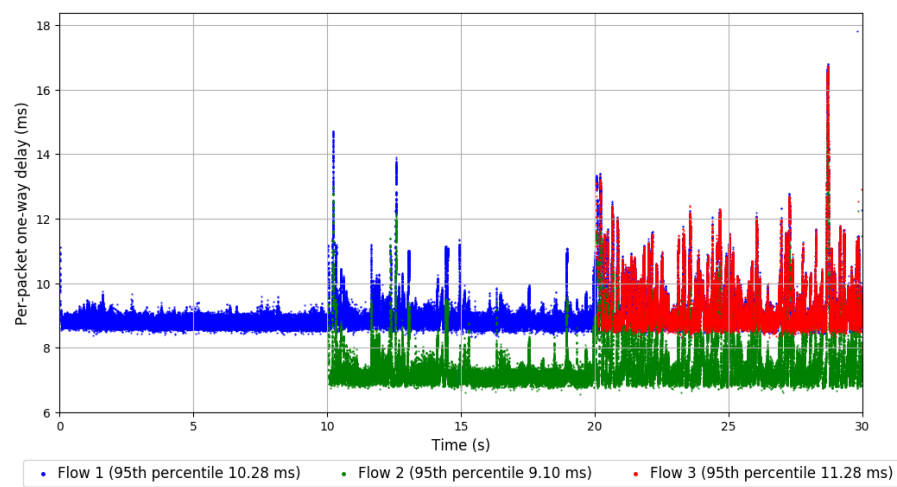
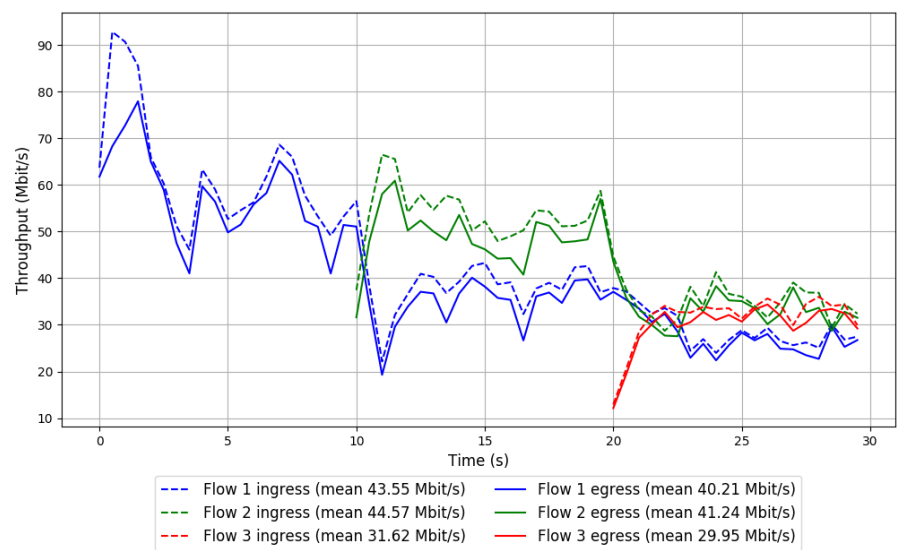


Run 7: Statistics of Copa

Start at: 2018-04-24 22:29:26
End at: 2018-04-24 22:29:56
Local clock offset: -10.701 ms
Remote clock offset: -7.255 ms

Below is generated by plot.py at 2018-04-25 00:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 10.299 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 10.277 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 9.104 ms
Loss rate: 7.44%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 11.282 ms
Loss rate: 5.27%

Run 7: Report of Copa — Data Link

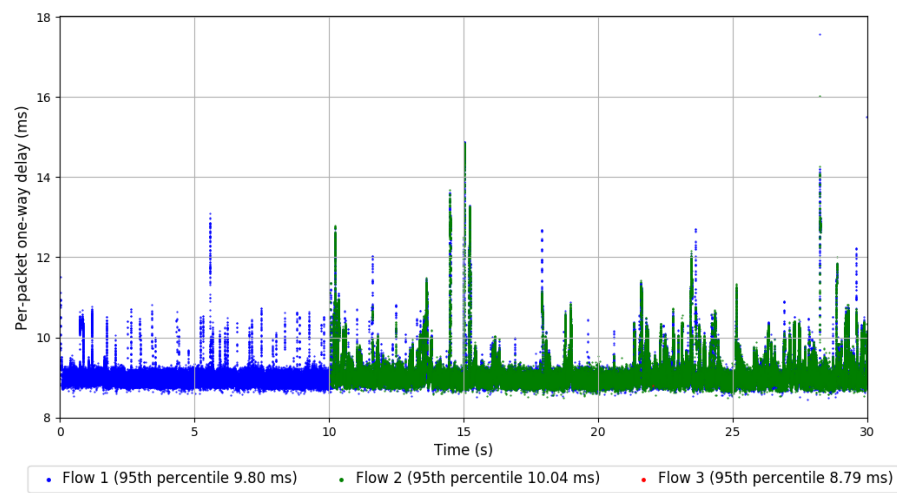
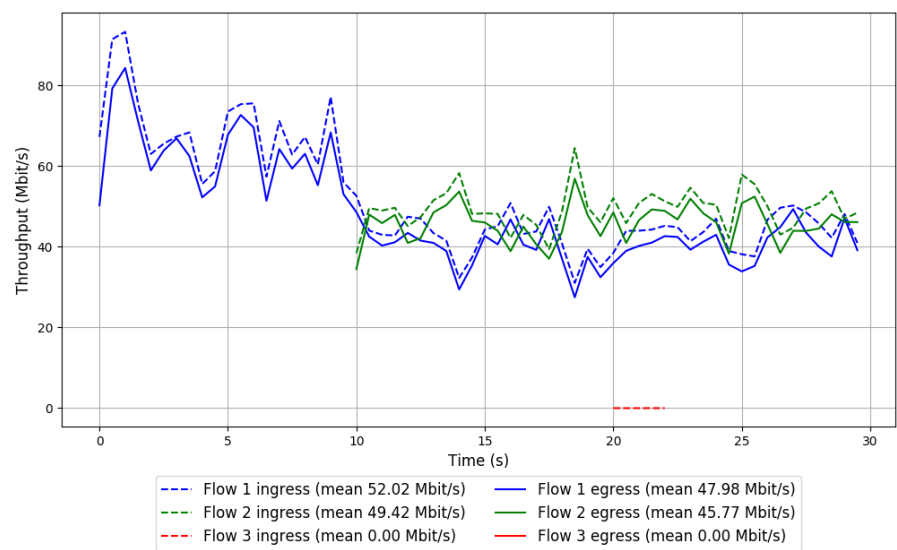


Run 8: Statistics of Copa

Start at: 2018-04-24 22:49:12
End at: 2018-04-24 22:49:42
Local clock offset: -15.518 ms
Remote clock offset: -7.124 ms

Below is generated by plot.py at 2018-04-25 00:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 9.904 ms
Loss rate: 7.61%
-- Flow 1:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 9.804 ms
Loss rate: 7.74%
-- Flow 2:
Average throughput: 45.77 Mbit/s
95th percentile per-packet one-way delay: 10.040 ms
Loss rate: 7.40%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 8.788 ms
Loss rate: 50.00%

Run 8: Report of Copa — Data Link

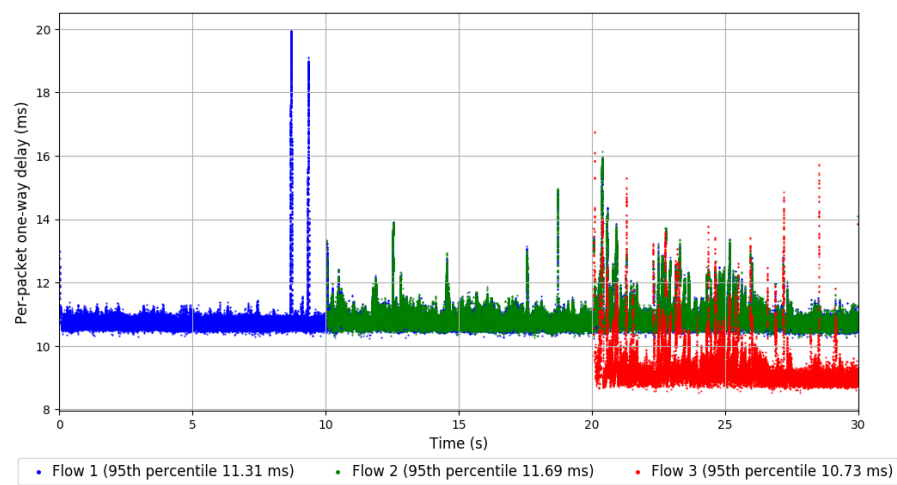
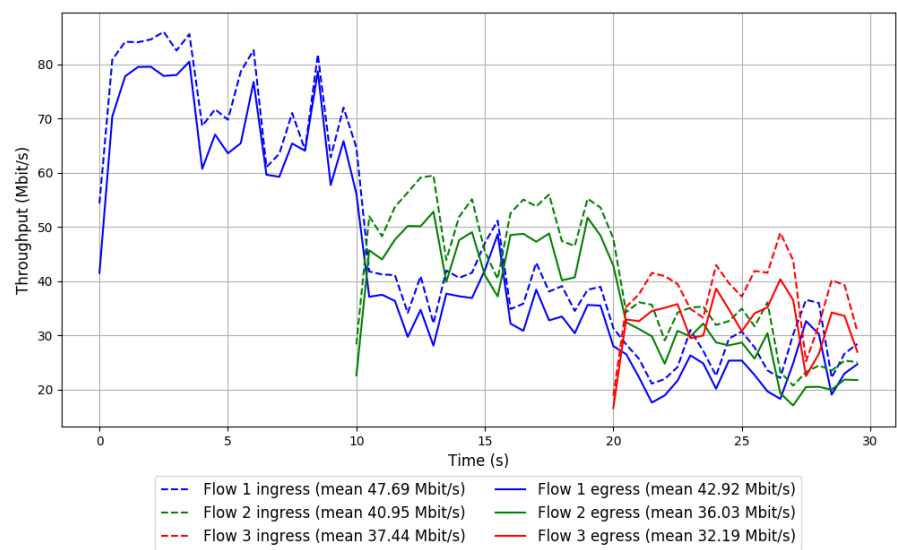


Run 9: Statistics of Copa

Start at: 2018-04-24 23:09:18
End at: 2018-04-24 23:09:48
Local clock offset: -17.185 ms
Remote clock offset: -6.133 ms

Below is generated by plot.py at 2018-04-25 00:27:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 11.423 ms
Loss rate: 11.19%
-- Flow 1:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 11.309 ms
Loss rate: 10.00%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 11.690 ms
Loss rate: 12.00%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 10.728 ms
Loss rate: 13.97%

Run 9: Report of Copa — Data Link

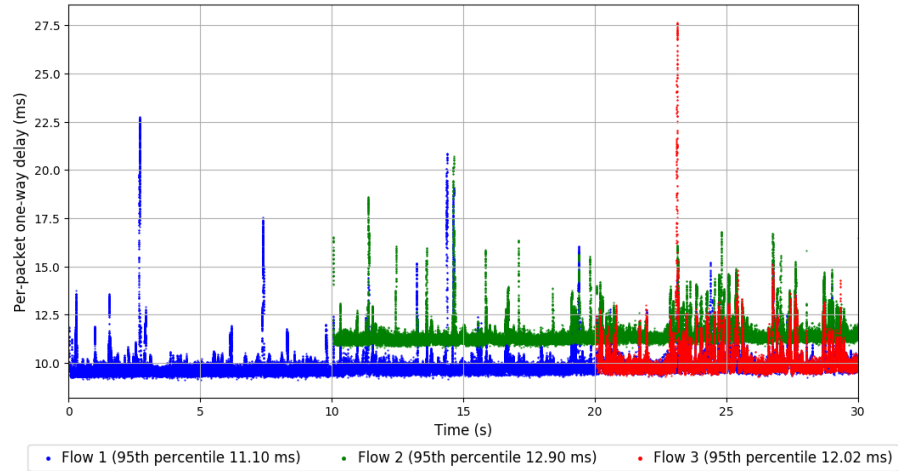
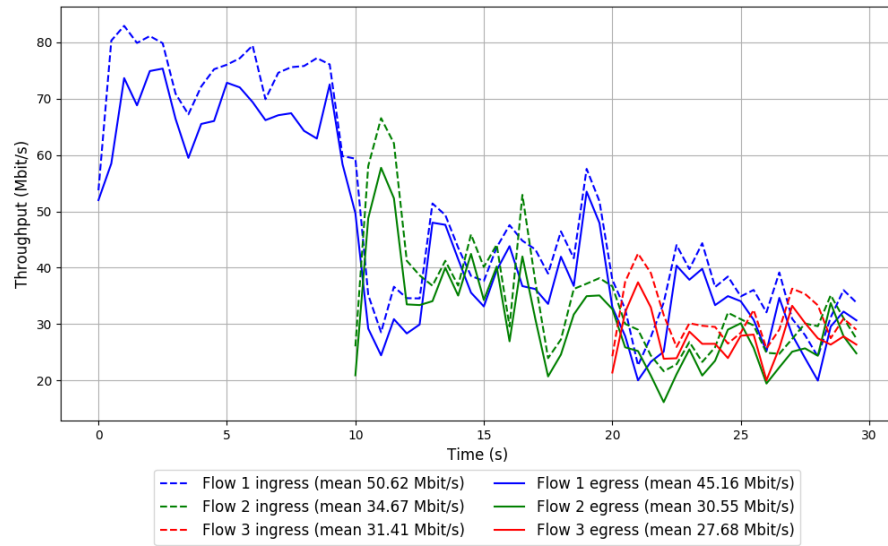


Run 10: Statistics of Copa

Start at: 2018-04-24 23:29:09
End at: 2018-04-24 23:29:39
Local clock offset: -7.325 ms
Remote clock offset: -7.432 ms

Below is generated by plot.py at 2018-04-25 00:27:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 12.081 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 11.098 ms
Loss rate: 10.79%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 12.896 ms
Loss rate: 11.88%
-- Flow 3:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 12.024 ms
Loss rate: 11.89%

Run 10: Report of Copa — Data Link

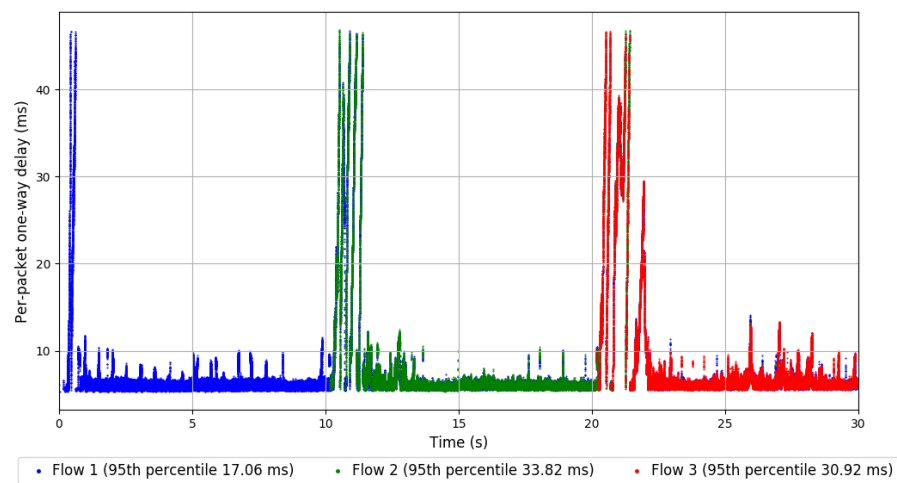
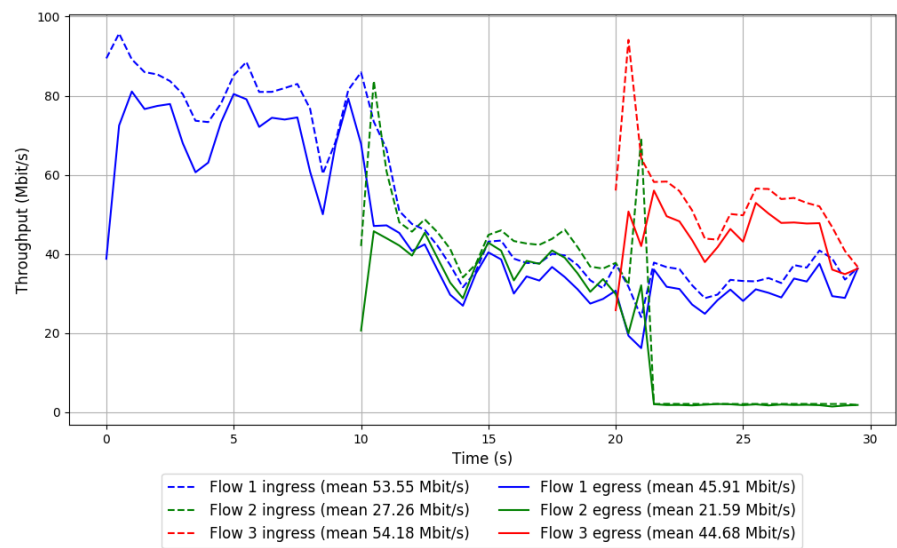



```
Run 1: Statistics of FillP

Start at: 2018-04-24 20:29:11
End at: 2018-04-24 20:29:41
Local clock offset: -0.289 ms
Remote clock offset: -10.216 ms

# Below is generated by plot.py at 2018-04-25 00:27:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.10 Mbit/s
95th percentile per-packet one-way delay: 26.931 ms
Loss rate: 16.24%
-- Flow 1:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 17.060 ms
Loss rate: 14.26%
-- Flow 2:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 33.822 ms
Loss rate: 20.77%
-- Flow 3:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 30.916 ms
Loss rate: 17.55%
```

Run 1: Report of FillP — Data Link

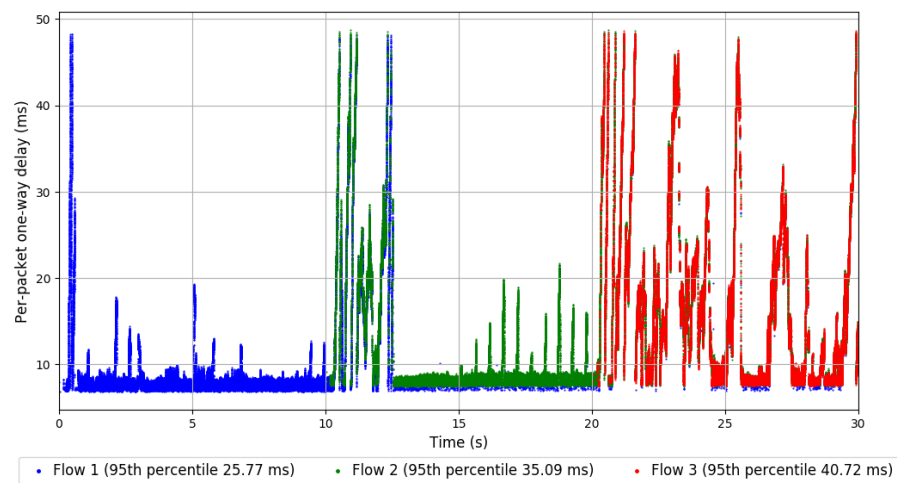
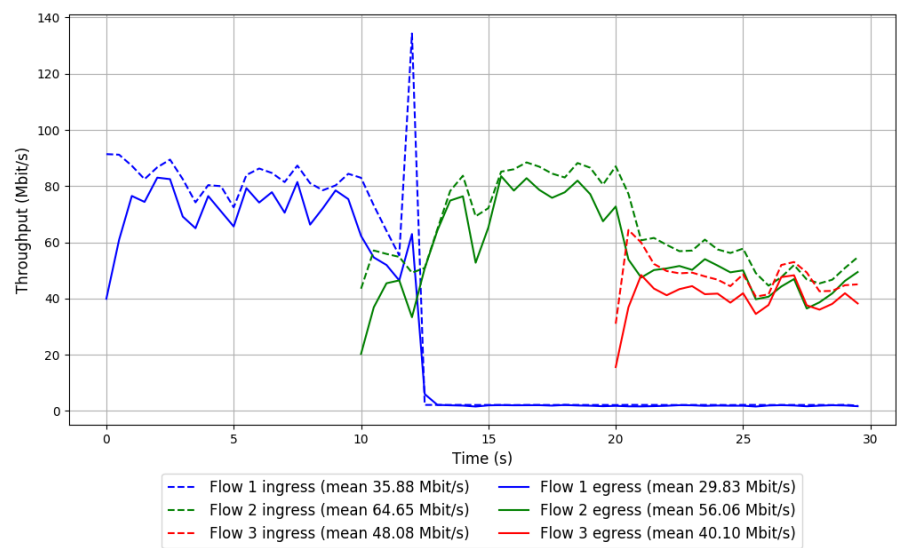


Run 2: Statistics of FillP

Start at: 2018-04-24 20:48:57
End at: 2018-04-24 20:49:27
Local clock offset: 1.326 ms
Remote clock offset: -11.361 ms

Below is generated by plot.py at 2018-04-25 00:27:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 34.671 ms
Loss rate: 15.17%
-- Flow 1:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 25.773 ms
Loss rate: 16.85%
-- Flow 2:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 35.094 ms
Loss rate: 13.27%
-- Flow 3:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 40.715 ms
Loss rate: 16.53%

Run 2: Report of FillP — Data Link

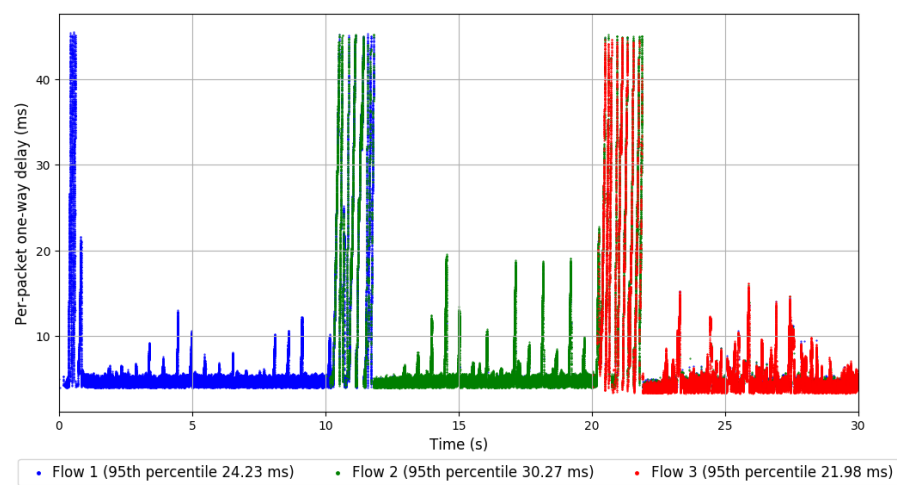
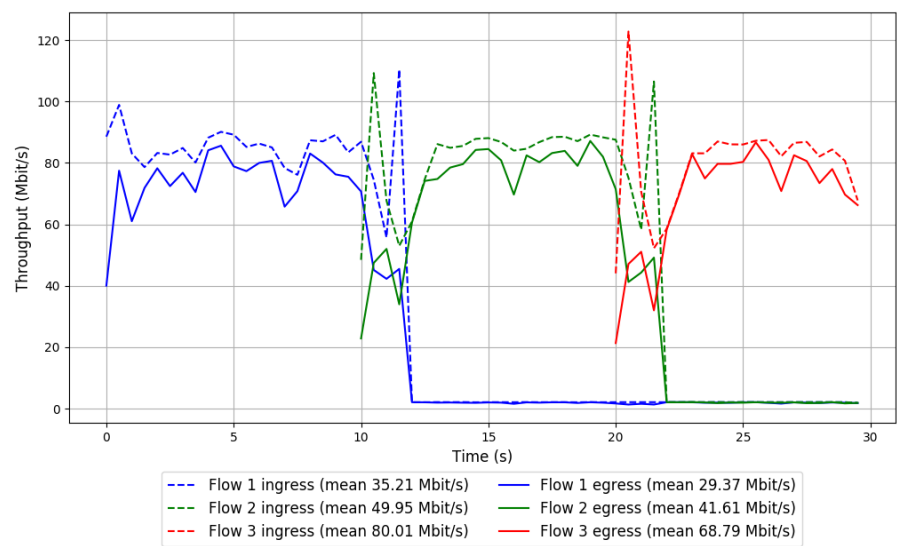


Run 3: Statistics of FillP

Start at: 2018-04-24 21:08:35
End at: 2018-04-24 21:09:05
Local clock offset: 5.301 ms
Remote clock offset: -10.608 ms

Below is generated by plot.py at 2018-04-25 00:27:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 26.100 ms
Loss rate: 15.91%
-- Flow 1:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 24.230 ms
Loss rate: 16.59%
-- Flow 2:
Average throughput: 41.61 Mbit/s
95th percentile per-packet one-way delay: 30.266 ms
Loss rate: 16.70%
-- Flow 3:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 21.980 ms
Loss rate: 14.02%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 21:28:06

End at: 2018-04-24 21:28:36

Local clock offset: -0.327 ms

Remote clock offset: -12.0 ms

Below is generated by plot.py at 2018-04-25 00:27:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 43.463 ms

Loss rate: 16.38%

-- Flow 1:

Average throughput: 42.85 Mbit/s

95th percentile per-packet one-way delay: 40.385 ms

Loss rate: 15.86%

-- Flow 2:

Average throughput: 42.78 Mbit/s

95th percentile per-packet one-way delay: 44.859 ms

Loss rate: 17.01%

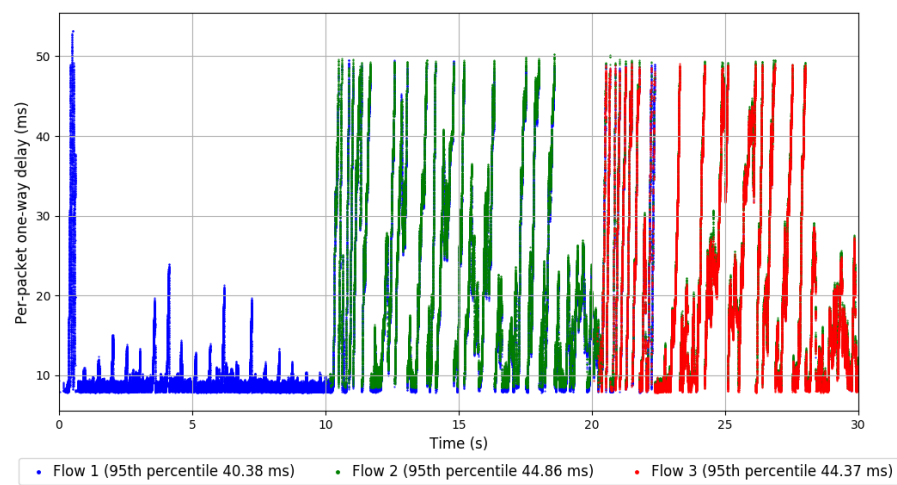
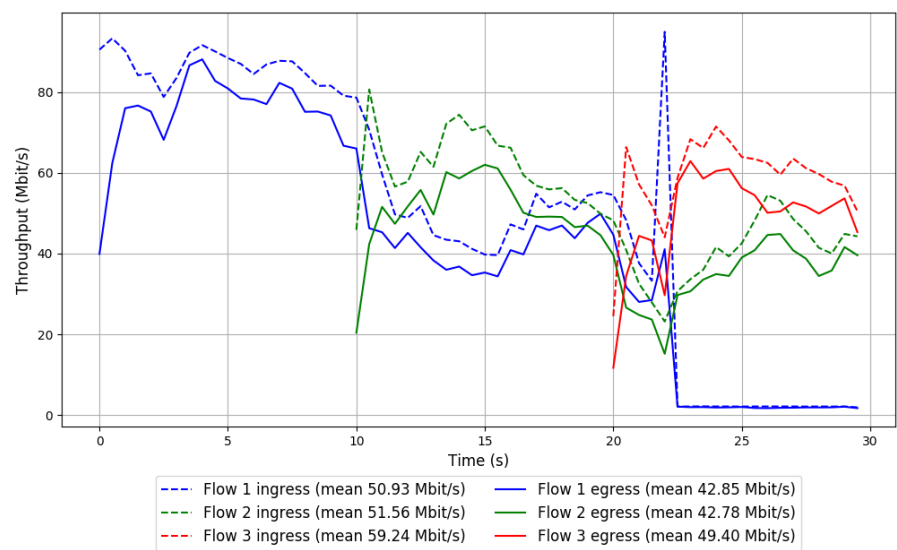
-- Flow 3:

Average throughput: 49.40 Mbit/s

95th percentile per-packet one-way delay: 44.365 ms

Loss rate: 16.63%

Run 4: Report of FillP — Data Link

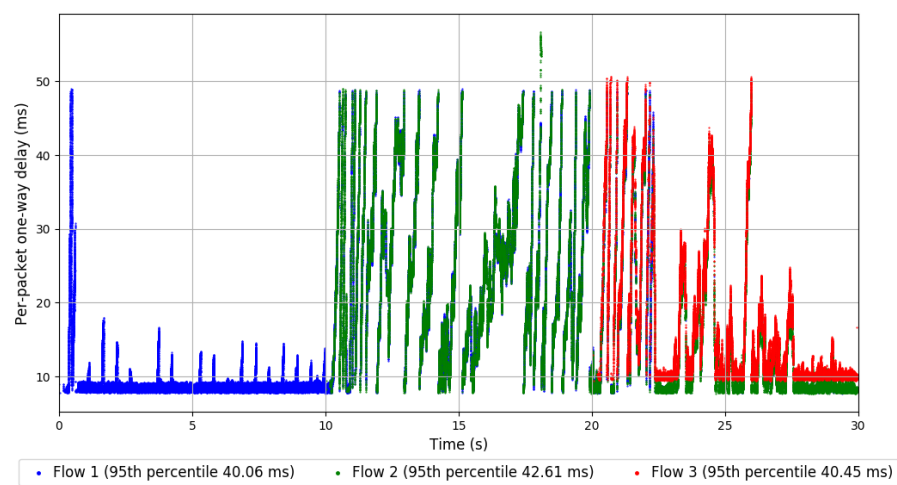
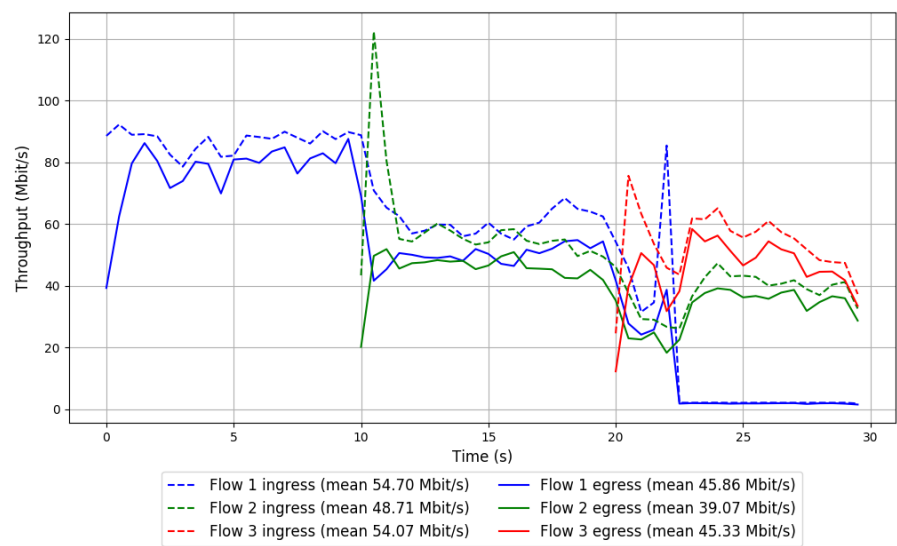


Run 5: Statistics of FillP

Start at: 2018-04-24 21:47:38
End at: 2018-04-24 21:48:08
Local clock offset: -0.262 ms
Remote clock offset: -4.398 ms

Below is generated by plot.py at 2018-04-25 00:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 41.117 ms
Loss rate: 17.29%
-- Flow 1:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 40.060 ms
Loss rate: 16.17%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 42.611 ms
Loss rate: 19.80%
-- Flow 3:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 40.452 ms
Loss rate: 16.13%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 22:07:16

End at: 2018-04-24 22:07:46

Local clock offset: 0.628 ms

Remote clock offset: -2.62 ms

Below is generated by plot.py at 2018-04-25 00:27:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.81 Mbit/s

95th percentile per-packet one-way delay: 33.924 ms

Loss rate: 16.39%

-- Flow 1:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 31.542 ms

Loss rate: 13.94%

-- Flow 2:

Average throughput: 25.74 Mbit/s

95th percentile per-packet one-way delay: 41.658 ms

Loss rate: 21.68%

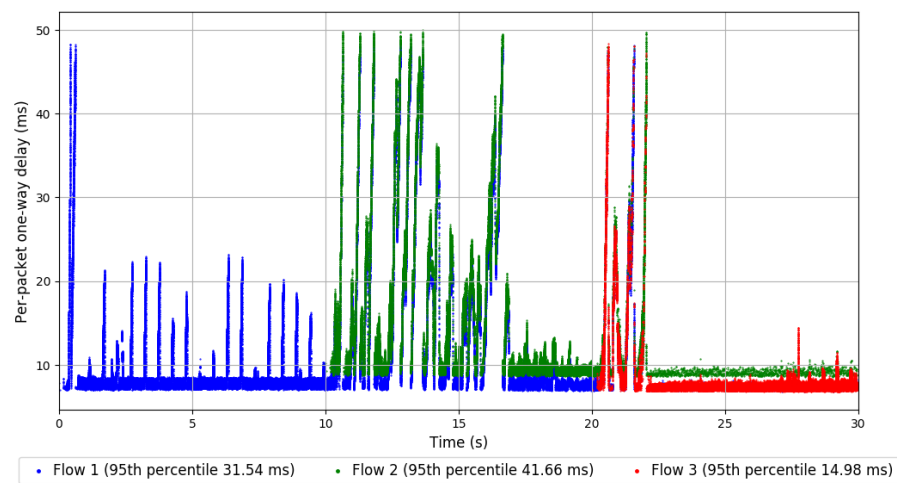
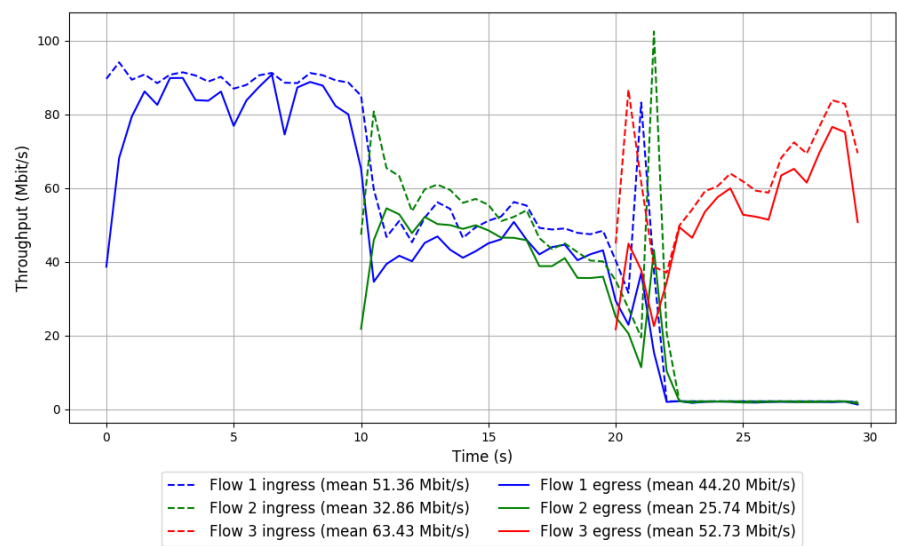
-- Flow 3:

Average throughput: 52.73 Mbit/s

95th percentile per-packet one-way delay: 14.977 ms

Loss rate: 16.87%

Run 6: Report of FillP — Data Link

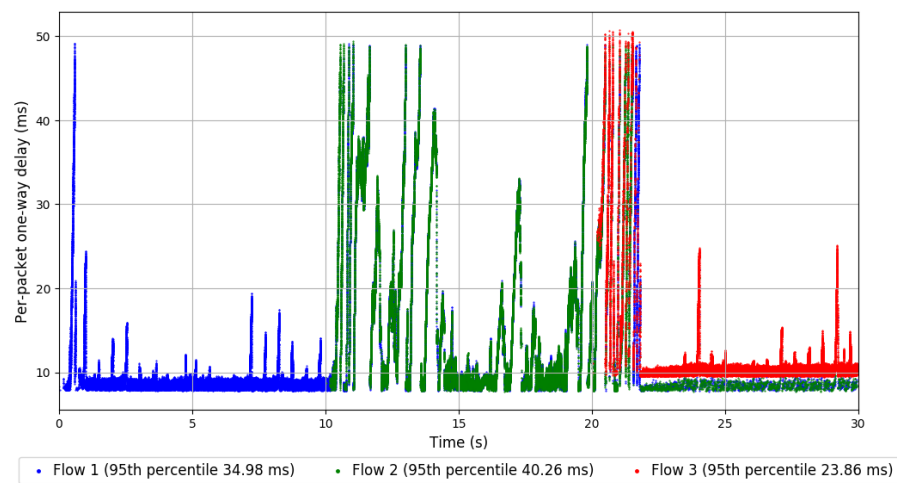
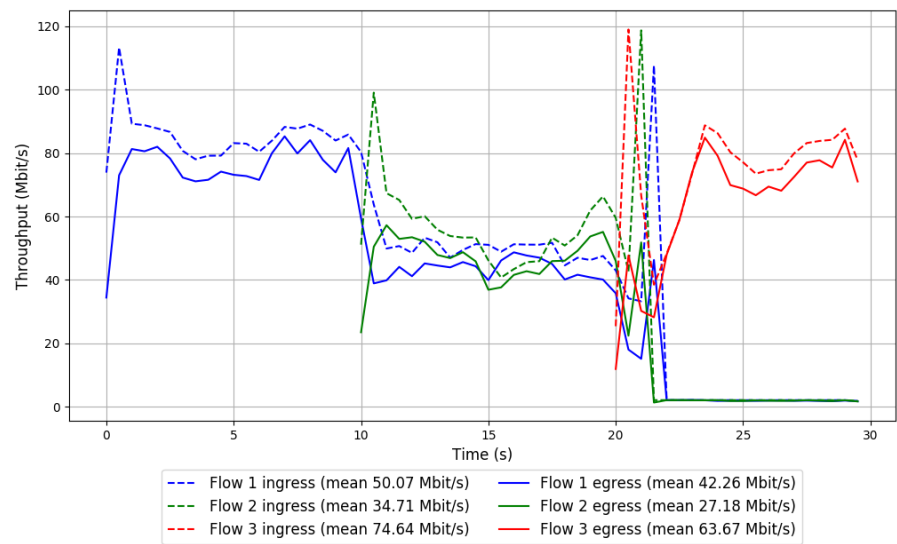


Run 7: Statistics of FillP

Start at: 2018-04-24 22:27:02
End at: 2018-04-24 22:27:32
Local clock offset: -10.216 ms
Remote clock offset: -6.193 ms

Below is generated by plot.py at 2018-04-25 00:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 36.241 ms
Loss rate: 16.82%
-- Flow 1:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 34.975 ms
Loss rate: 15.60%
-- Flow 2:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 40.259 ms
Loss rate: 21.70%
-- Flow 3:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 23.862 ms
Loss rate: 14.72%

Run 7: Report of FillP — Data Link

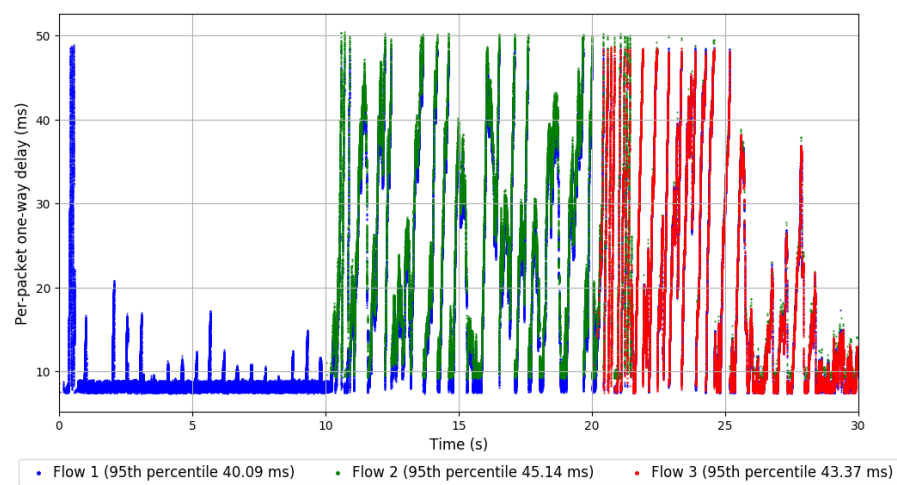
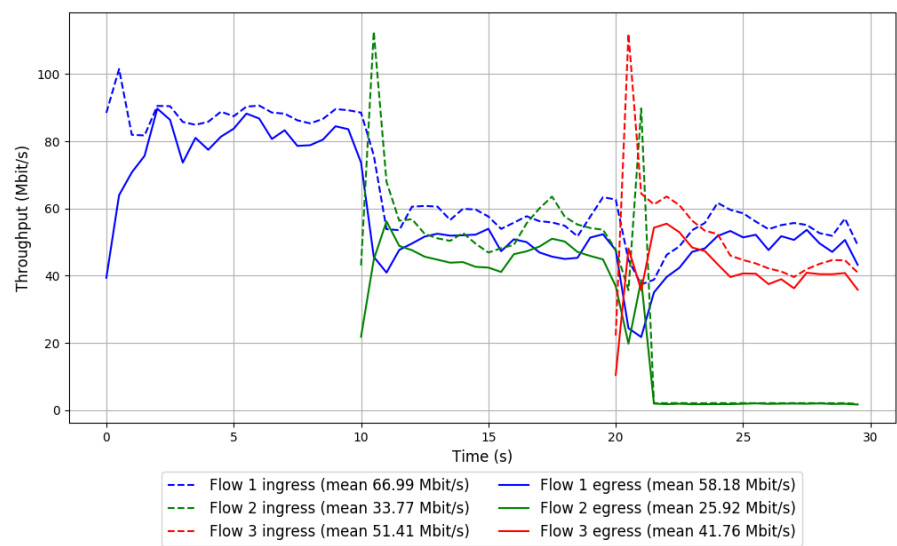


Run 8: Statistics of FillP

Start at: 2018-04-24 22:46:52
End at: 2018-04-24 22:47:22
Local clock offset: -13.834 ms
Remote clock offset: -7.005 ms

Below is generated by plot.py at 2018-04-25 00:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 42.294 ms
Loss rate: 16.17%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 40.087 ms
Loss rate: 13.14%
-- Flow 2:
Average throughput: 25.92 Mbit/s
95th percentile per-packet one-way delay: 45.137 ms
Loss rate: 23.26%
-- Flow 3:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 43.373 ms
Loss rate: 18.77%

Run 8: Report of FillP — Data Link

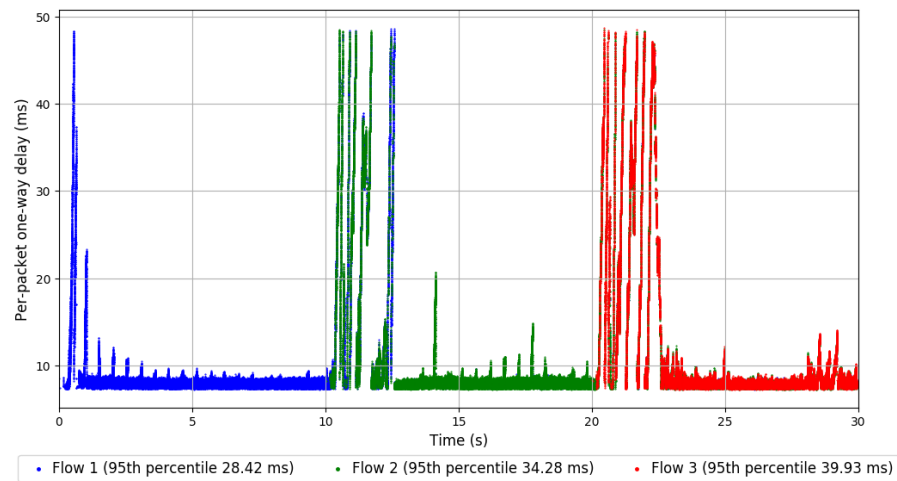
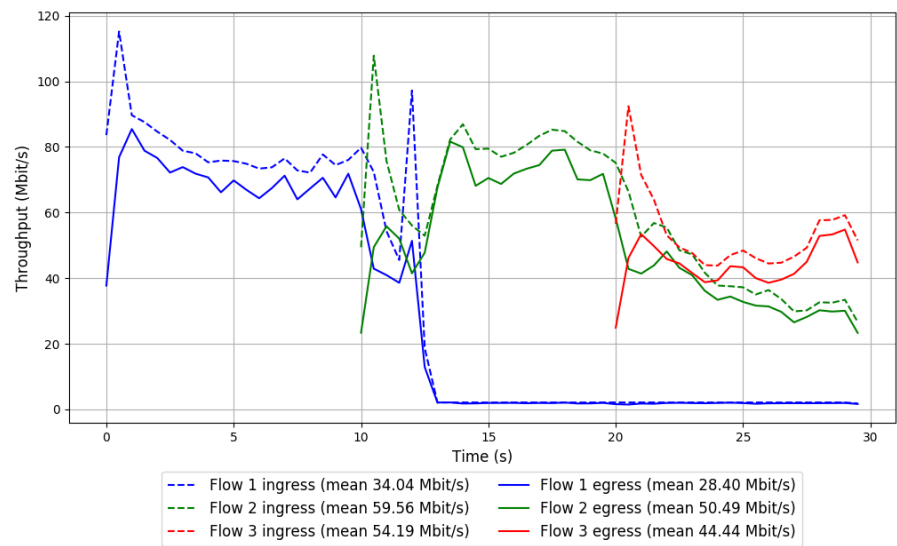


Run 9: Statistics of FillP

Start at: 2018-04-24 23:06:54
End at: 2018-04-24 23:07:24
Local clock offset: -16.583 ms
Remote clock offset: -7.201 ms

Below is generated by plot.py at 2018-04-25 00:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 33.937 ms
Loss rate: 16.27%
-- Flow 1:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 28.417 ms
Loss rate: 16.56%
-- Flow 2:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 34.285 ms
Loss rate: 15.23%
-- Flow 3:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 39.926 ms
Loss rate: 18.00%

Run 9: Report of FillP — Data Link

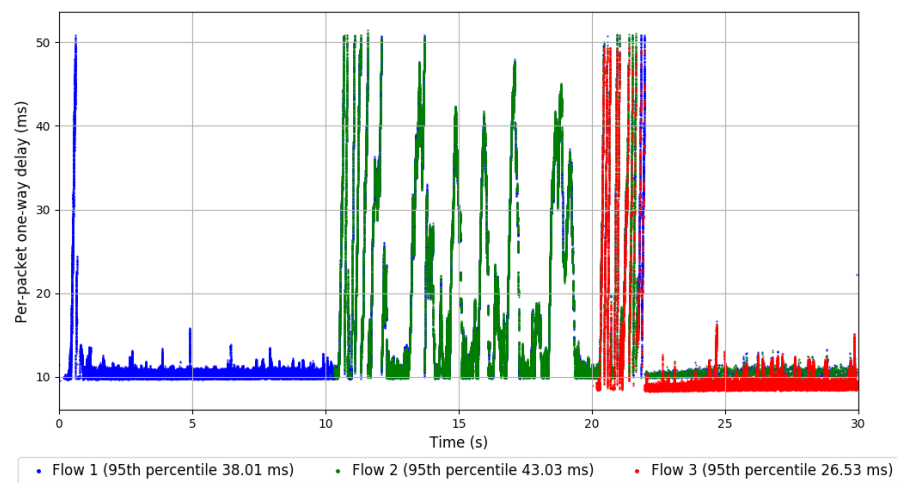
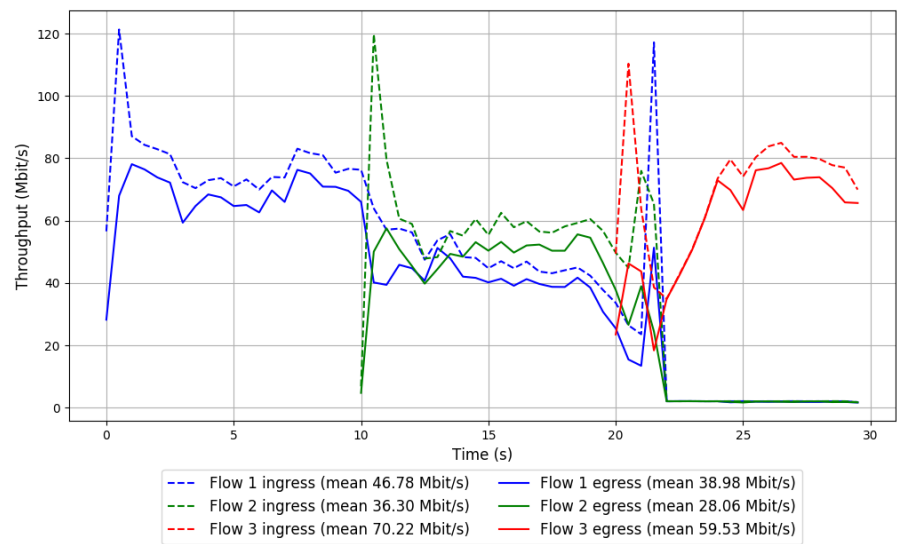


Run 10: Statistics of FillP

Start at: 2018-04-24 23:26:48
End at: 2018-04-24 23:27:18
Local clock offset: -7.072 ms
Remote clock offset: -7.167 ms

Below is generated by plot.py at 2018-04-25 00:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 39.199 ms
Loss rate: 17.84%
-- Flow 1:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 38.012 ms
Loss rate: 16.63%
-- Flow 2:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 43.030 ms
Loss rate: 22.70%
-- Flow 3:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 26.527 ms
Loss rate: 15.23%

Run 10: Report of FillP — Data Link

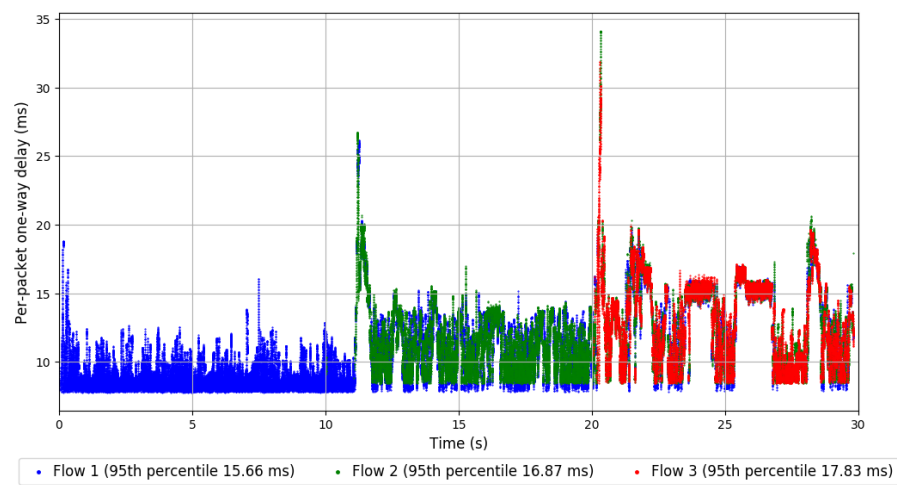
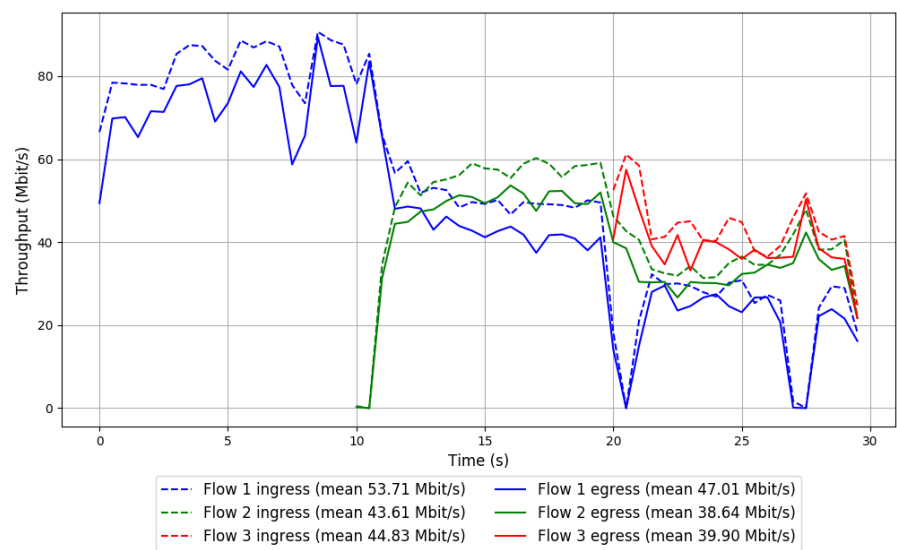


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 20:46:28
End at: 2018-04-24 20:46:58
Local clock offset: 1.152 ms
Remote clock offset: -10.286 ms

Below is generated by plot.py at 2018-04-25 00:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 16.676 ms
Loss rate: 11.91%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 15.665 ms
Loss rate: 12.46%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 16.873 ms
Loss rate: 11.36%
-- Flow 3:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 17.833 ms
Loss rate: 10.98%

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

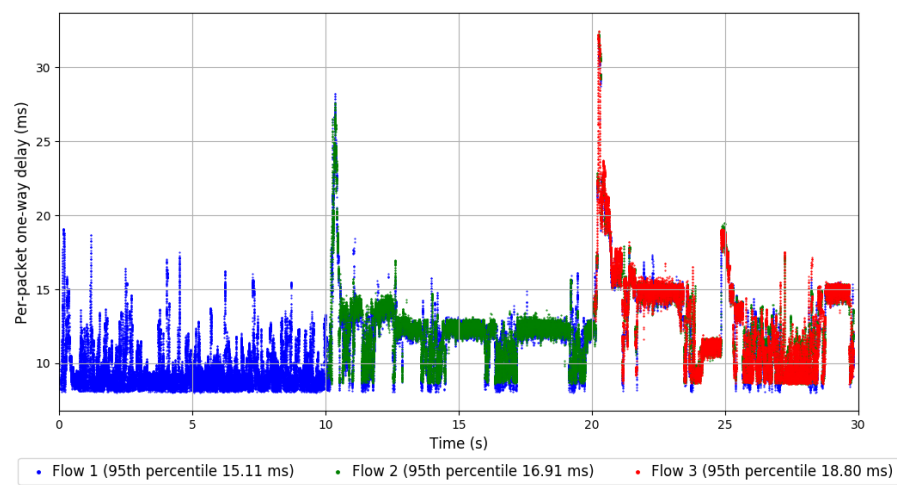
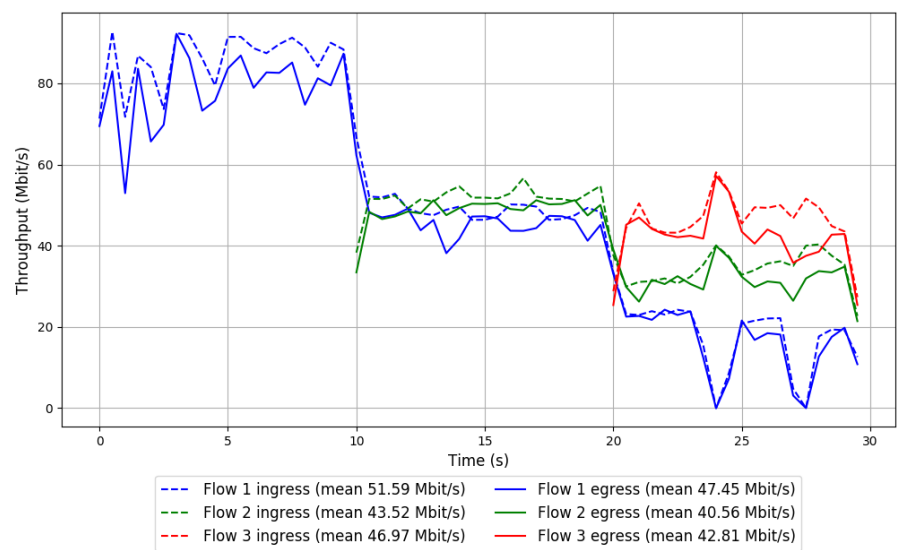


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 21:06:12
End at: 2018-04-24 21:06:42
Local clock offset: -0.035 ms
Remote clock offset: -11.497 ms

Below is generated by plot.py at 2018-04-25 00:29:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 16.319 ms
Loss rate: 7.79%
-- Flow 1:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 15.113 ms
Loss rate: 8.01%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 16.911 ms
Loss rate: 6.81%
-- Flow 3:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 8.86%

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

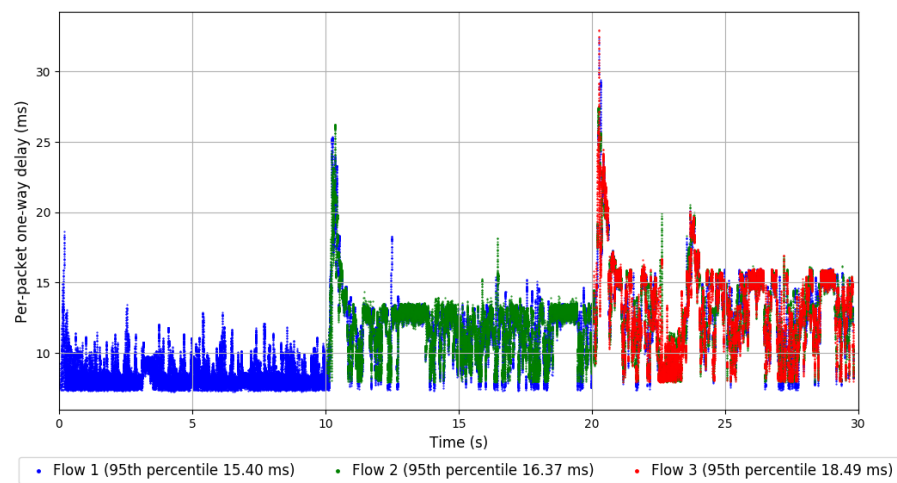
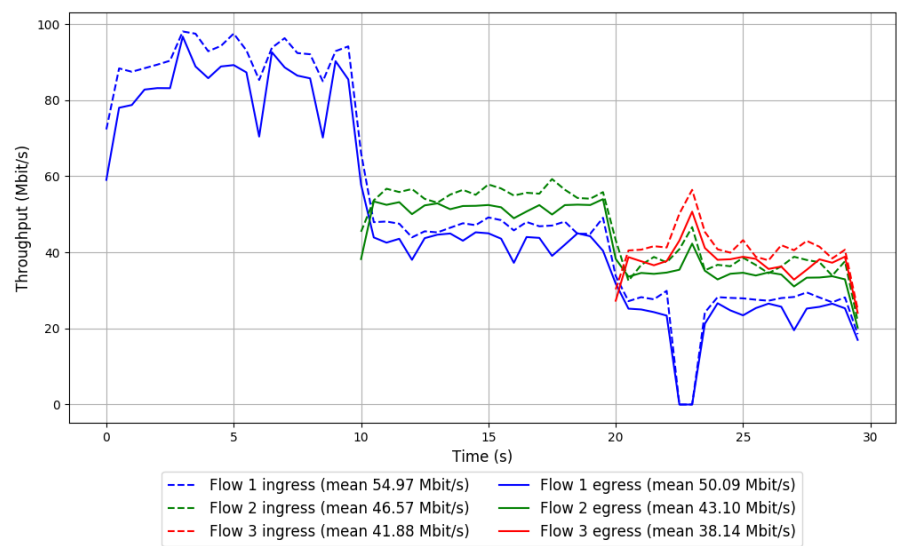


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 21:25:44
End at: 2018-04-24 21:26:14
Local clock offset: 0.43 ms
Remote clock offset: -11.689 ms

Below is generated by plot.py at 2018-04-25 00:29:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 15.810 ms
Loss rate: 8.44%
-- Flow 1:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 15.402 ms
Loss rate: 8.87%
-- Flow 2:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 16.374 ms
Loss rate: 7.45%
-- Flow 3:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 18.492 ms
Loss rate: 8.95%

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

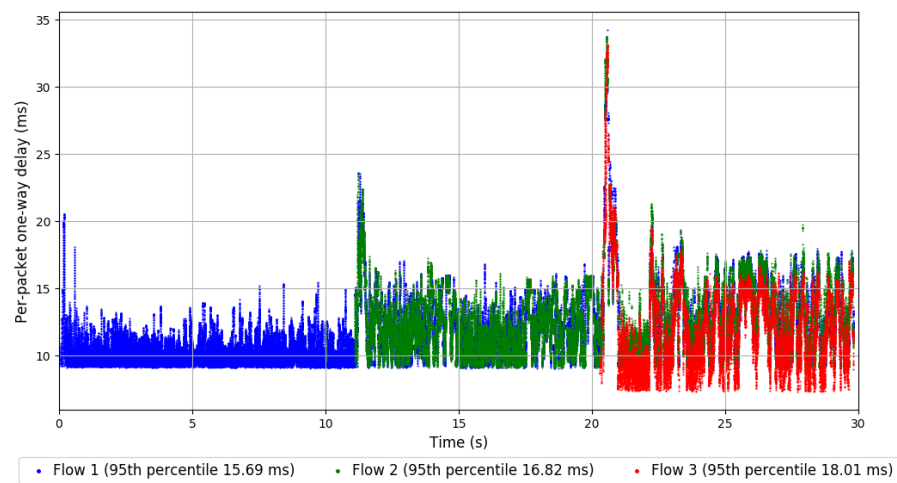
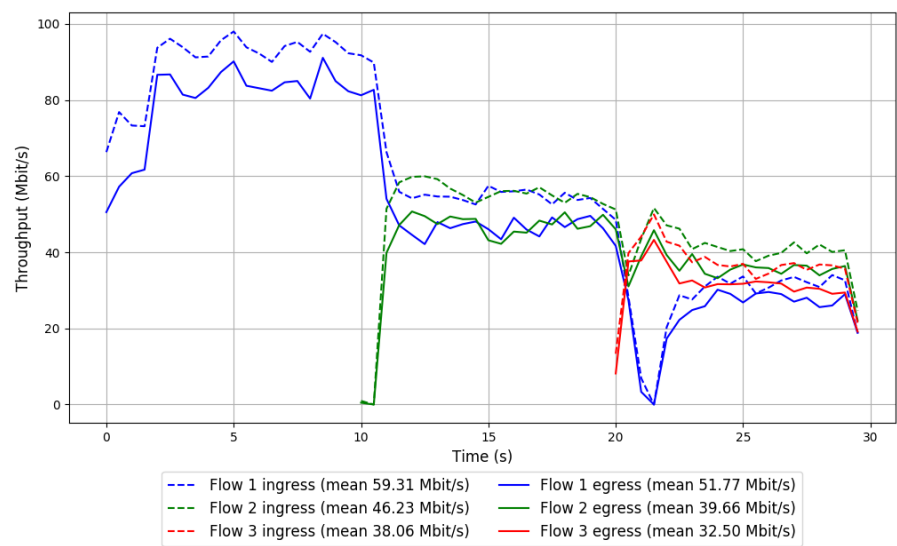


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 21:45:14
End at: 2018-04-24 21:45:44
Local clock offset: -0.779 ms
Remote clock offset: -5.863 ms

Below is generated by plot.py at 2018-04-25 00:29:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.49 Mbit/s
95th percentile per-packet one-way delay: 16.317 ms
Loss rate: 13.39%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 15.688 ms
Loss rate: 12.71%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 16.817 ms
Loss rate: 14.21%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 18.012 ms
Loss rate: 14.58%

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

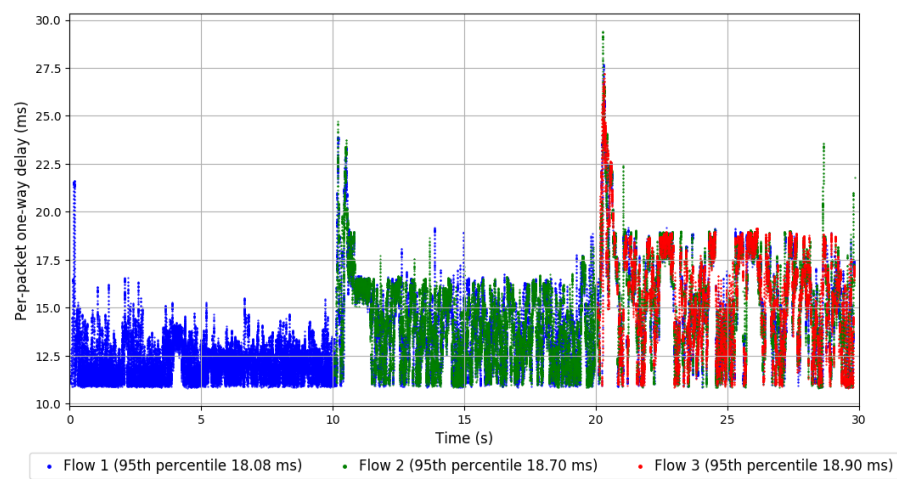
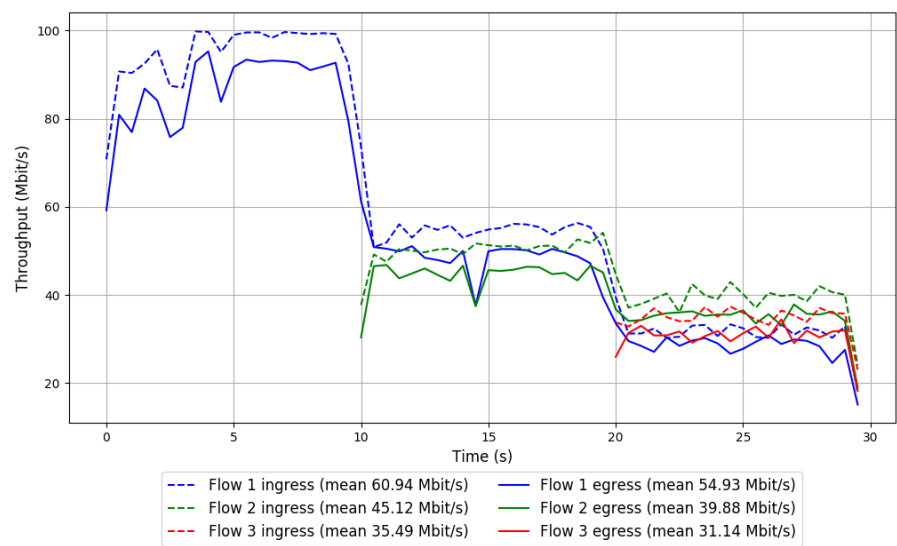


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 22:04:47
End at: 2018-04-24 22:05:17
Local clock offset: -0.793 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-04-25 00:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 18.600 ms
Loss rate: 10.66%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 18.076 ms
Loss rate: 9.91%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 18.698 ms
Loss rate: 11.57%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 12.26%

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

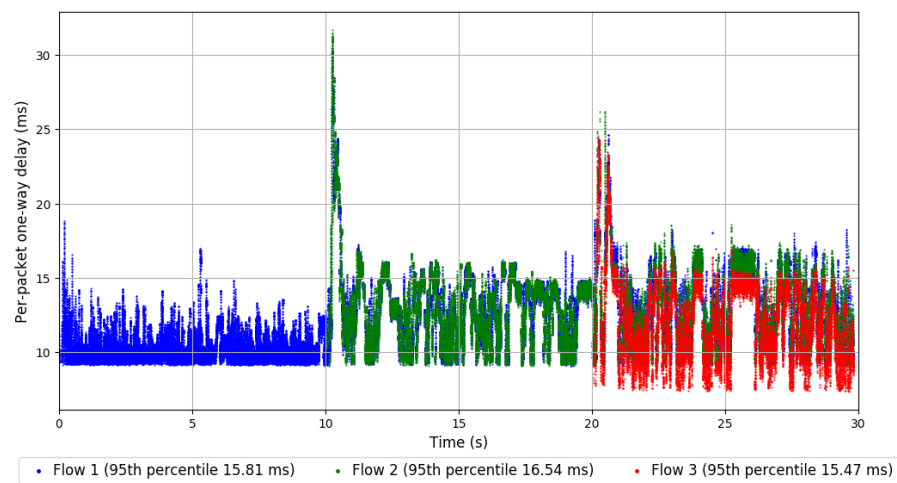
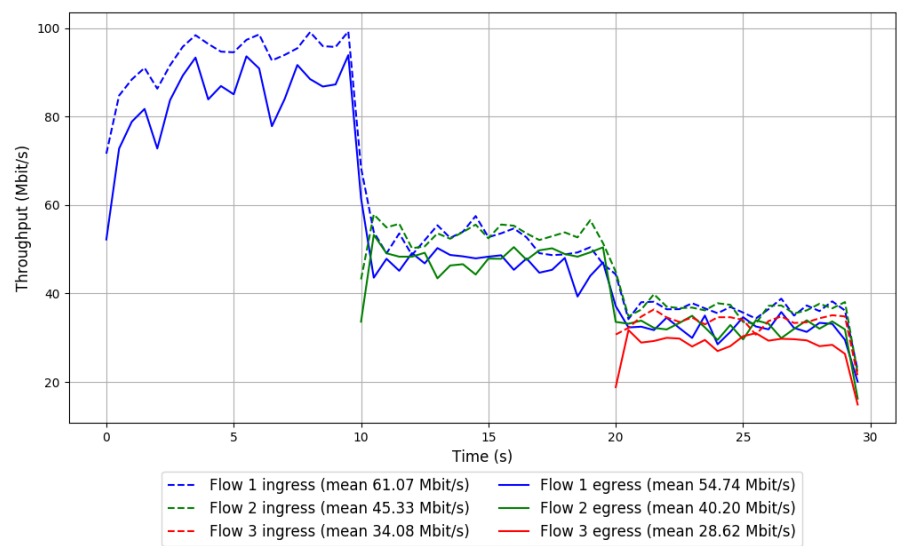


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 22:24:33
End at: 2018-04-24 22:25:03
Local clock offset: -10.055 ms
Remote clock offset: -6.948 ms

Below is generated by plot.py at 2018-04-25 00:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 16.024 ms
Loss rate: 11.25%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 15.810 ms
Loss rate: 10.34%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 16.535 ms
Loss rate: 11.31%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 15.472 ms
Loss rate: 16.03%

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

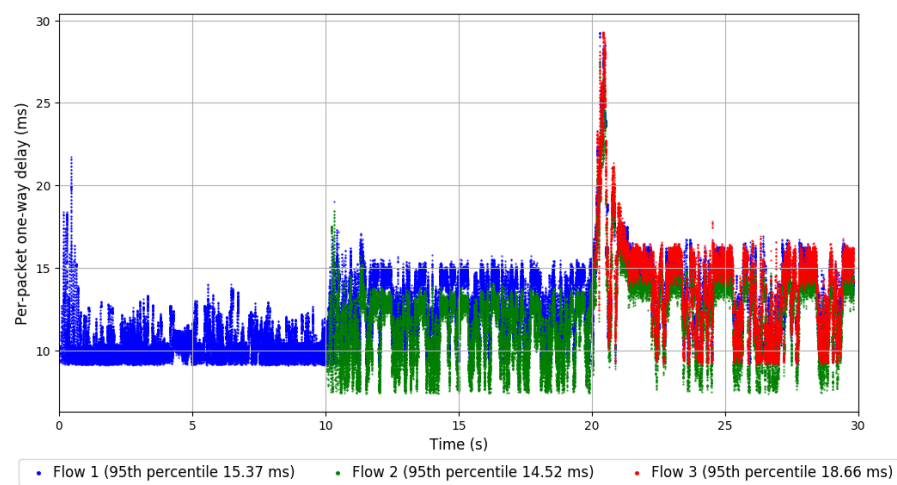
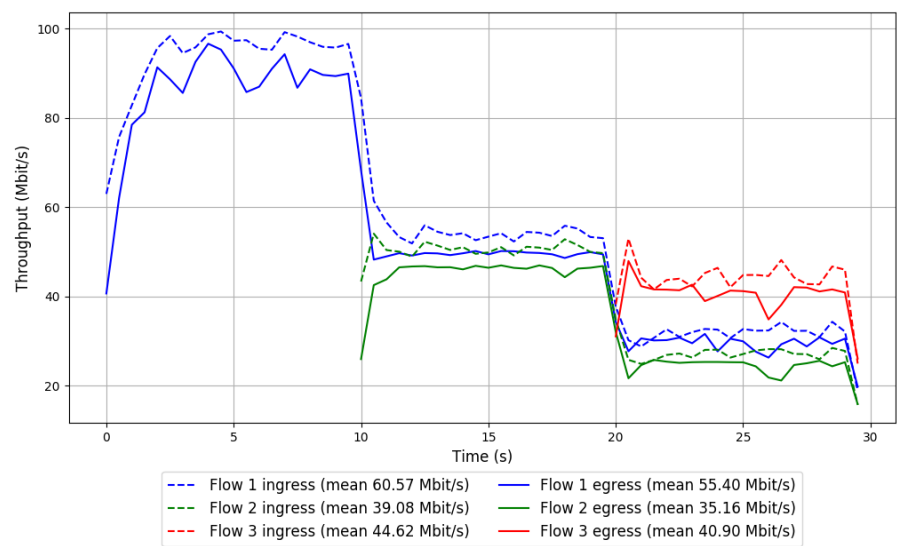


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 22:44:28
End at: 2018-04-24 22:44:58
Local clock offset: -13.3 ms
Remote clock offset: -6.775 ms

Below is generated by plot.py at 2018-04-25 00:30:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 15.889 ms
Loss rate: 8.89%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 15.373 ms
Loss rate: 8.53%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 14.521 ms
Loss rate: 10.02%
-- Flow 3:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 18.662 ms
Loss rate: 8.36%

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

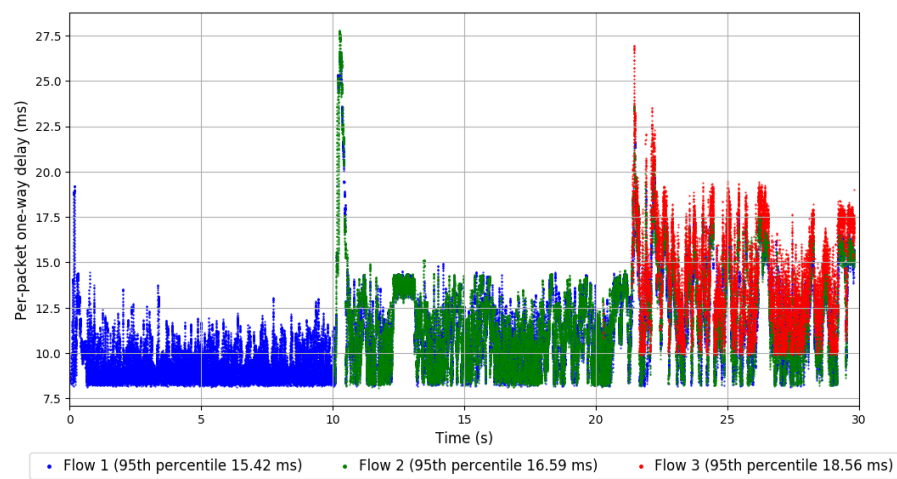
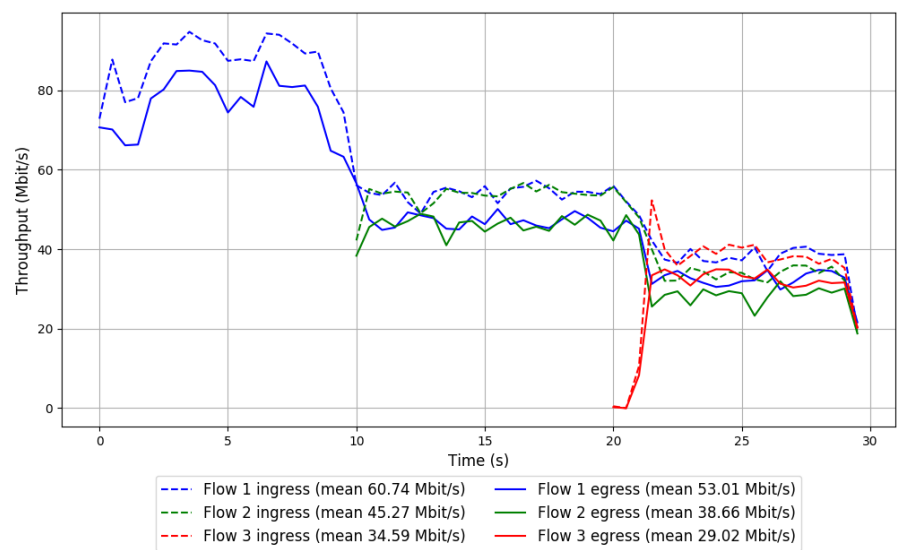


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 23:04:16
End at: 2018-04-24 23:04:46
Local clock offset: -16.017 ms
Remote clock offset: -6.098 ms

Below is generated by plot.py at 2018-04-25 00:30:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 16.902 ms
Loss rate: 13.62%
-- Flow 1:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 15.417 ms
Loss rate: 12.71%
-- Flow 2:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 16.592 ms
Loss rate: 14.58%
-- Flow 3:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 18.558 ms
Loss rate: 16.05%

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

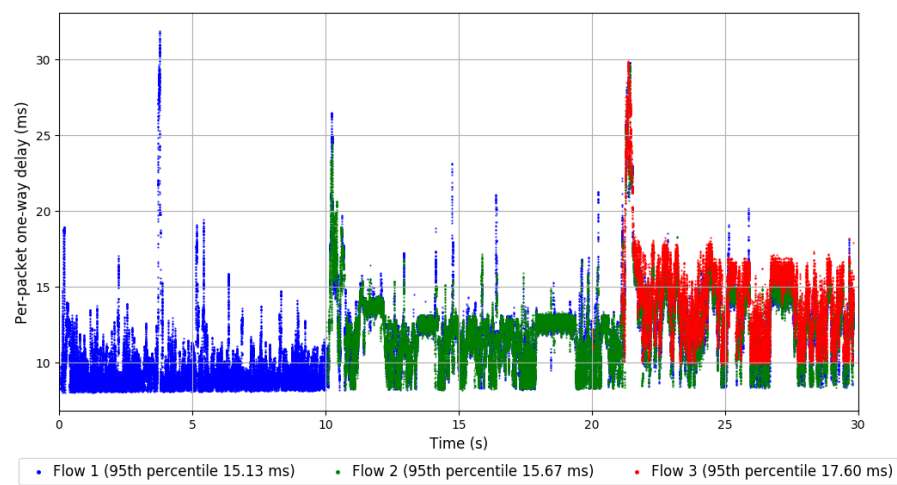
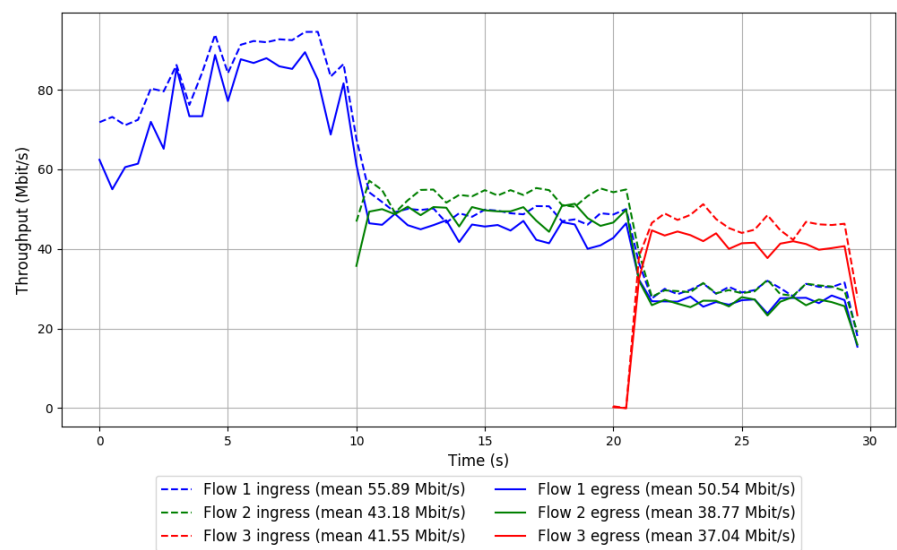


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 23:24:23
End at: 2018-04-24 23:24:53
Local clock offset: -8.709 ms
Remote clock offset: -7.434 ms

Below is generated by plot.py at 2018-04-25 00:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 16.296 ms
Loss rate: 9.91%
-- Flow 1:
Average throughput: 50.54 Mbit/s
95th percentile per-packet one-way delay: 15.126 ms
Loss rate: 9.54%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 15.668 ms
Loss rate: 10.22%
-- Flow 3:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 17.597 ms
Loss rate: 10.81%

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

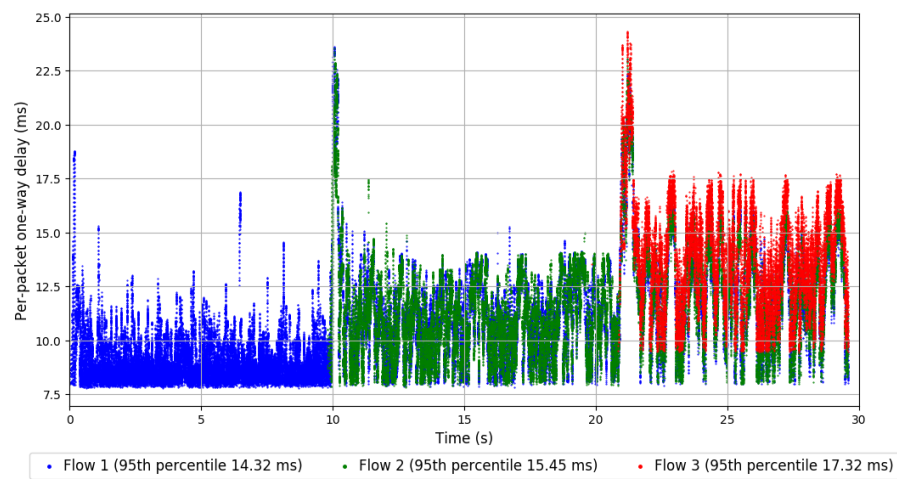
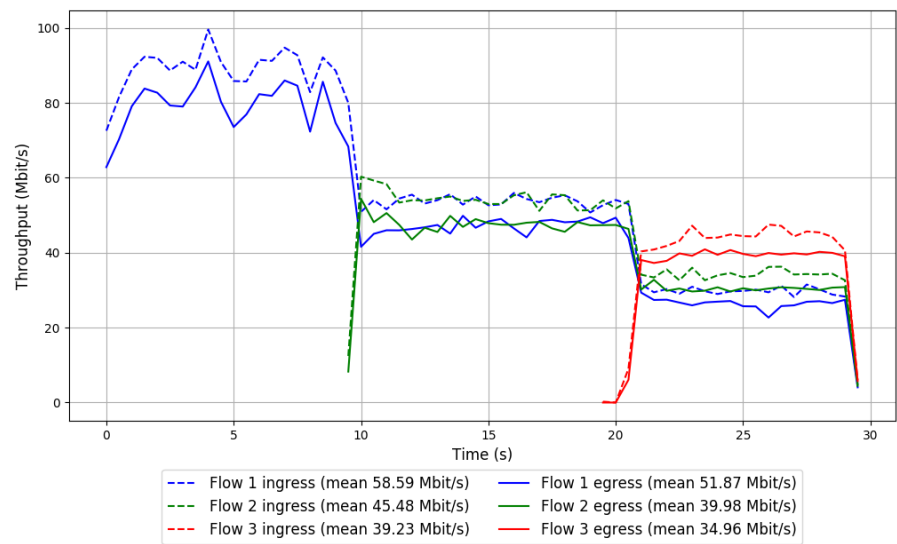


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 23:44:01
End at: 2018-04-24 23:44:31
Local clock offset: -1.597 ms
Remote clock offset: -7.216 ms

Below is generated by plot.py at 2018-04-25 00:30:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 15.825 ms
Loss rate: 11.58%
-- Flow 1:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 14.323 ms
Loss rate: 11.47%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 15.446 ms
Loss rate: 12.10%
-- Flow 3:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 17.318 ms
Loss rate: 10.90%

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

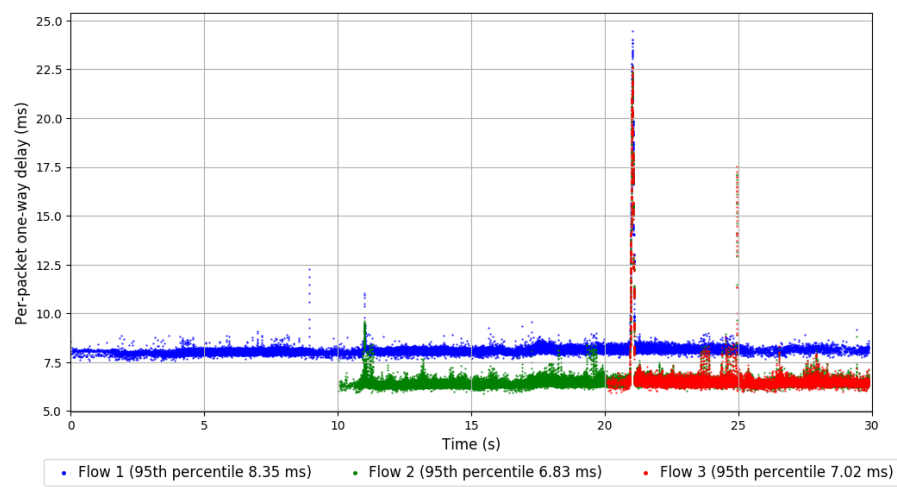
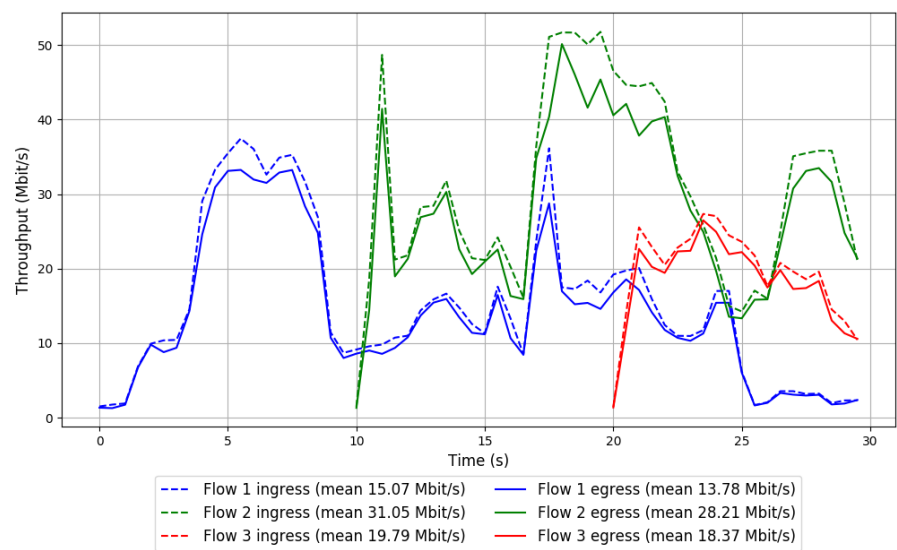


Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 20:34:00
End at: 2018-04-24 20:34:30
Local clock offset: 0.816 ms
Remote clock offset: -9.903 ms

Below is generated by plot.py at 2018-04-25 00:30:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 8.262 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 8.347 ms
Loss rate: 8.61%
-- Flow 2:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 6.835 ms
Loss rate: 9.16%
-- Flow 3:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 7.023 ms
Loss rate: 7.18%

Run 1: Report of PCC-Vivace — Data Link

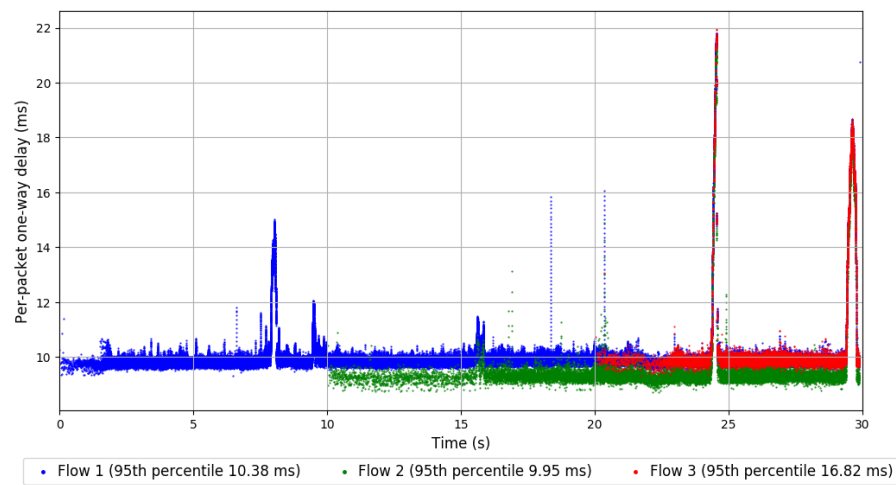
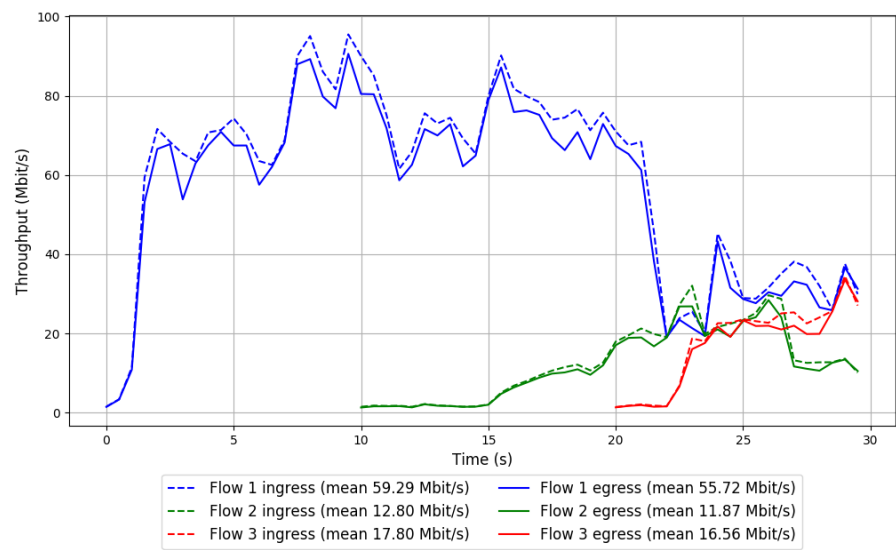


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 20:53:37
End at: 2018-04-24 20:54:07
Local clock offset: 0.379 ms
Remote clock offset: -10.764 ms

Below is generated by plot.py at 2018-04-25 00:30:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.06 Mbit/s
95th percentile per-packet one-way delay: 10.510 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 10.377 ms
Loss rate: 5.99%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 9.947 ms
Loss rate: 7.32%
-- Flow 3:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 16.820 ms
Loss rate: 7.08%

Run 2: Report of PCC-Vivace — Data Link

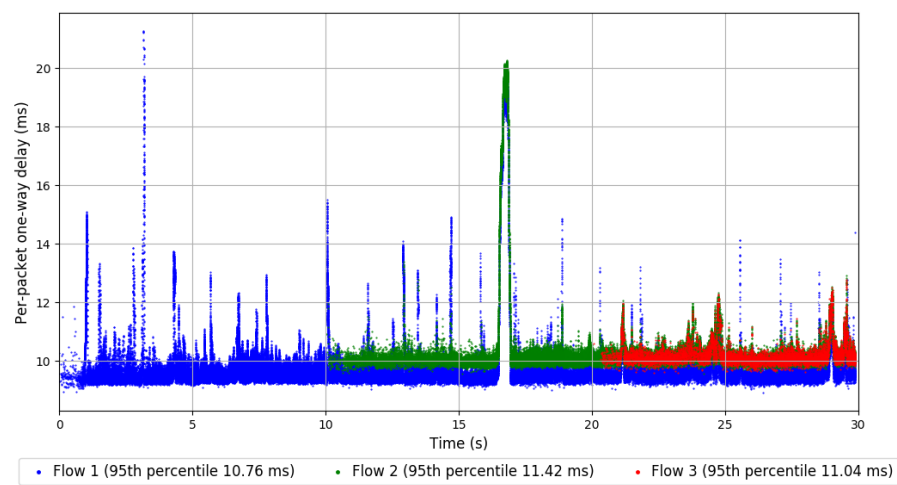
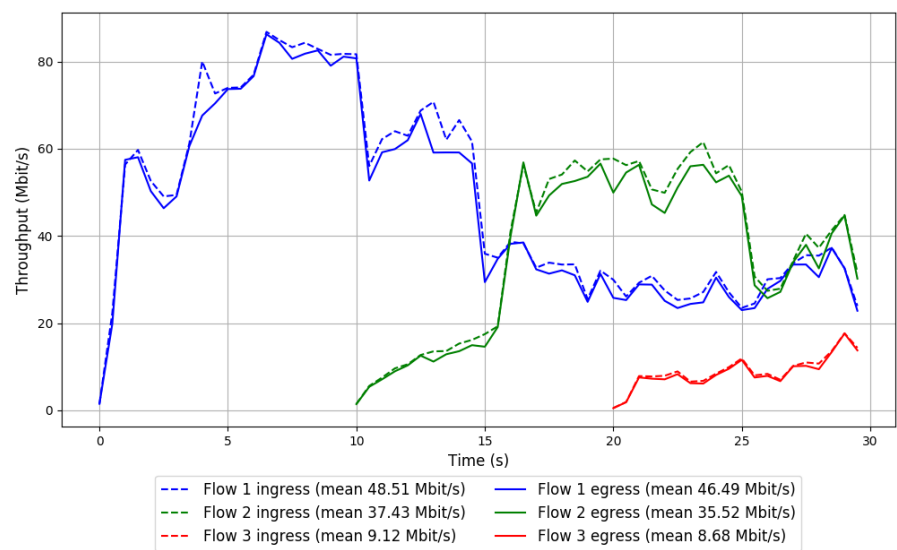


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 21:13:15
End at: 2018-04-24 21:13:45
Local clock offset: -0.812 ms
Remote clock offset: -10.827 ms

Below is generated by plot.py at 2018-04-25 00:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.95 Mbit/s
95th percentile per-packet one-way delay: 11.020 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 11.423 ms
Loss rate: 5.10%
-- Flow 3:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 11.045 ms
Loss rate: 4.78%

Run 3: Report of PCC-Vivace — Data Link

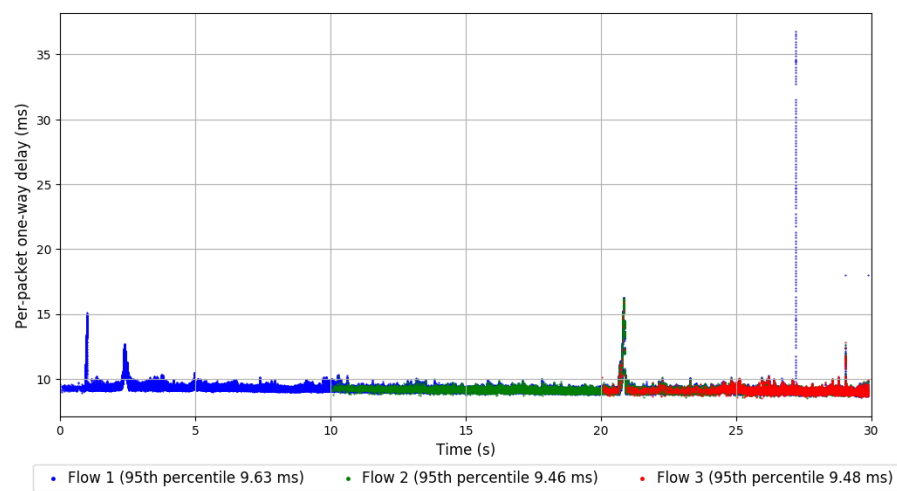
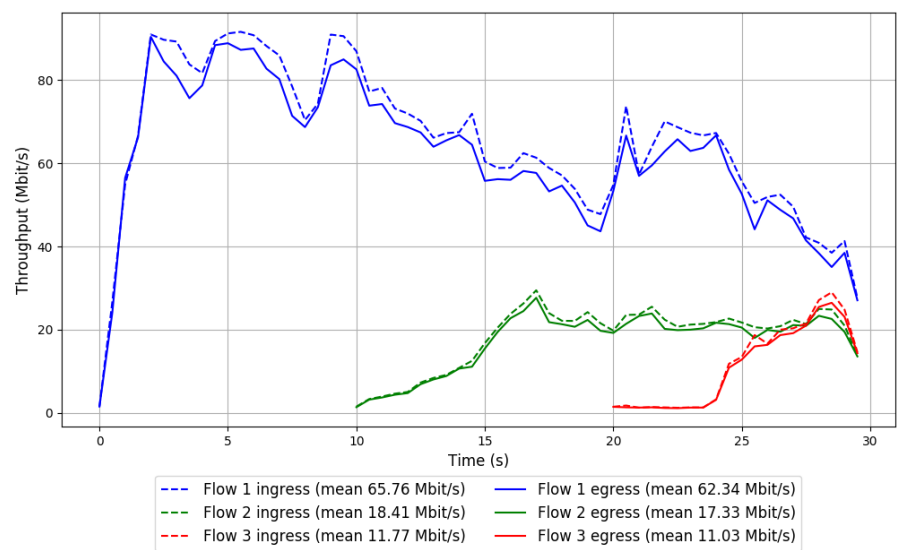


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 21:32:43
End at: 2018-04-24 21:33:13
Local clock offset: -0.715 ms
Remote clock offset: -11.252 ms

Below is generated by plot.py at 2018-04-25 00:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 9.601 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 62.34 Mbit/s
95th percentile per-packet one-way delay: 9.629 ms
Loss rate: 5.18%
-- Flow 2:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 9.460 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 9.485 ms
Loss rate: 6.32%

Run 4: Report of PCC-Vivace — Data Link

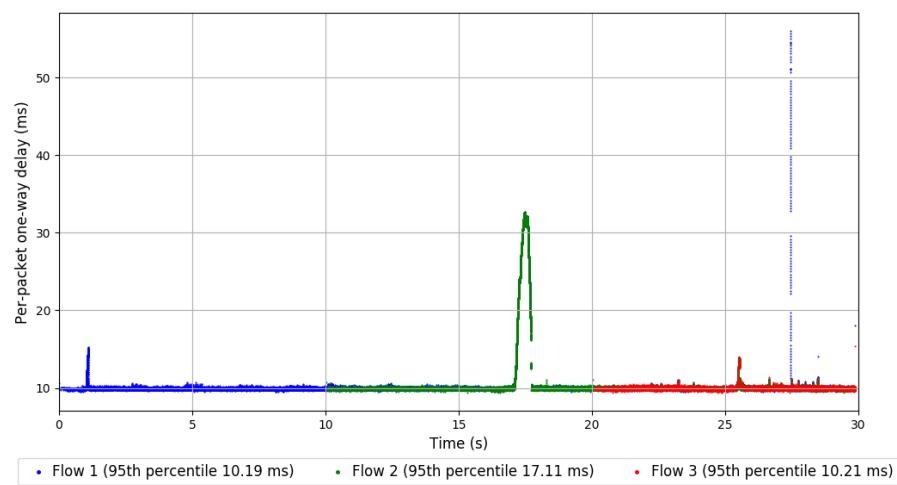
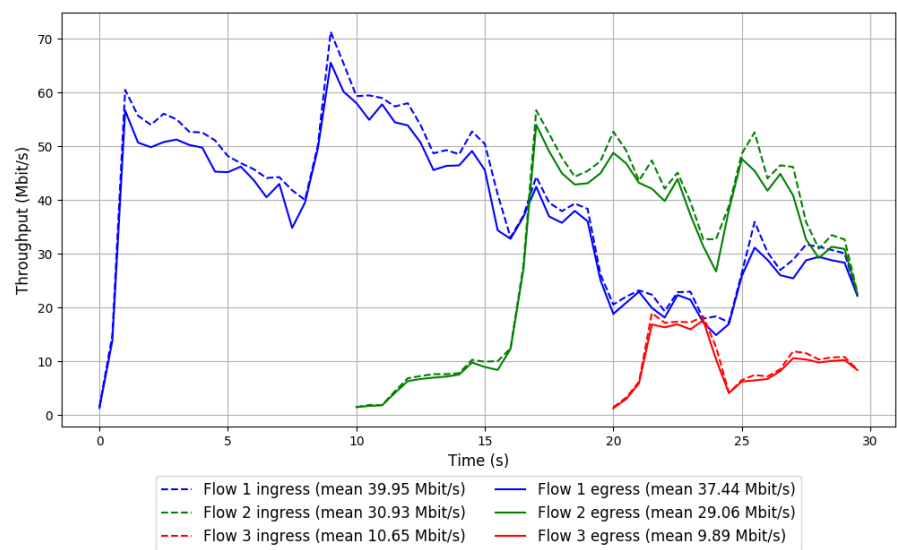


Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 21:52:17
End at: 2018-04-24 21:52:47
Local clock offset: -0.165 ms
Remote clock offset: -3.203 ms

Below is generated by plot.py at 2018-04-25 00:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 10.308 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 10.189 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 17.113 ms
Loss rate: 6.06%
-- Flow 3:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 10.209 ms
Loss rate: 7.10%

Run 5: Report of PCC-Vivace — Data Link

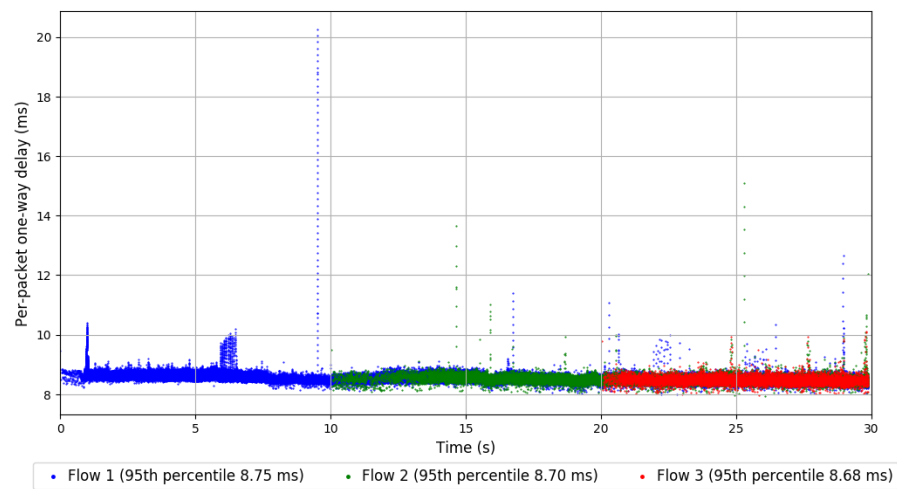
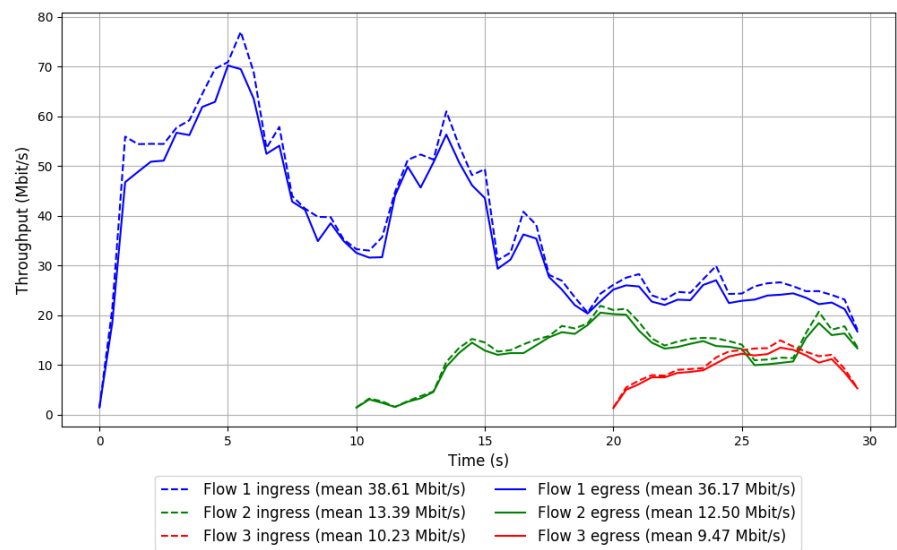


Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 22:11:54
End at: 2018-04-24 22:12:24
Local clock offset: -5.568 ms
Remote clock offset: -5.087 ms

Below is generated by plot.py at 2018-04-25 00:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 8.740 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 8.749 ms
Loss rate: 6.32%
-- Flow 2:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 8.700 ms
Loss rate: 6.64%
-- Flow 3:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 8.683 ms
Loss rate: 7.45%

Run 6: Report of PCC-Vivace — Data Link

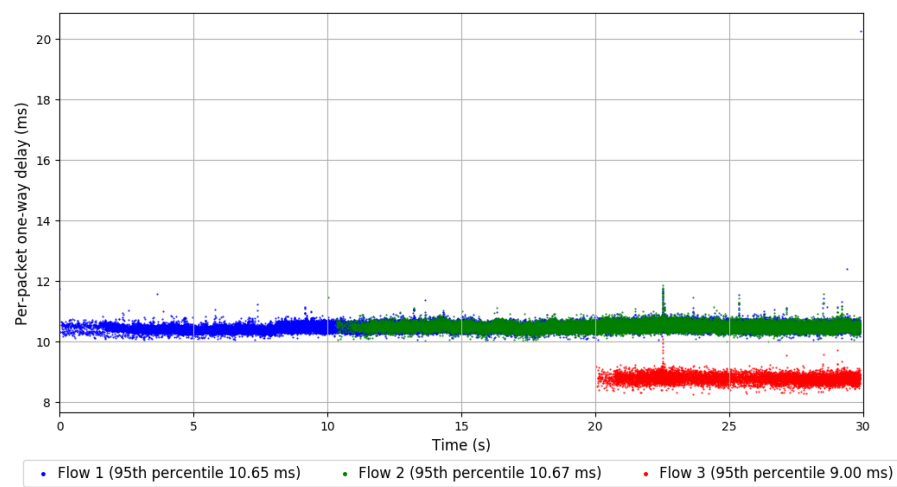
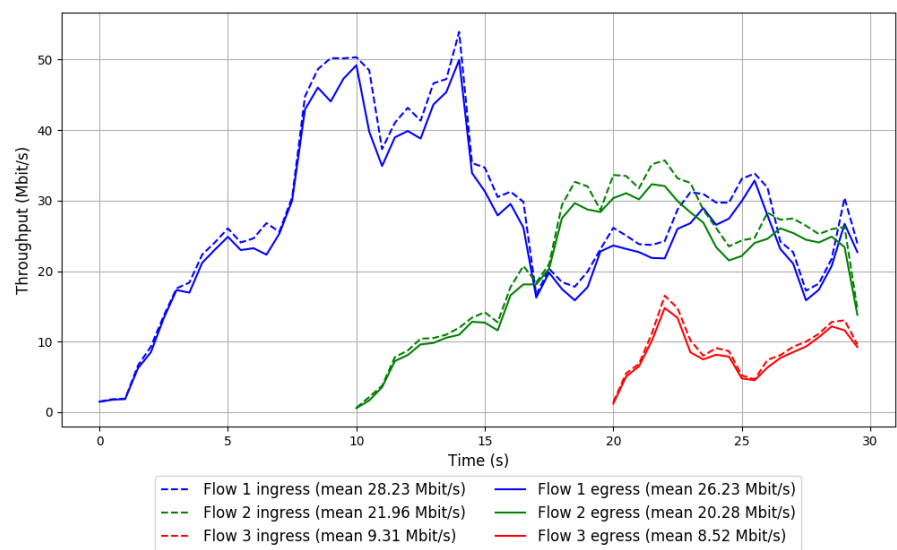


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 22:31:50
End at: 2018-04-24 22:32:20
Local clock offset: -13.029 ms
Remote clock offset: -7.371 ms

Below is generated by plot.py at 2018-04-25 00:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.52 Mbit/s
95th percentile per-packet one-way delay: 10.654 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 10.650 ms
Loss rate: 7.07%
-- Flow 2:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 10.673 ms
Loss rate: 7.65%
-- Flow 3:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 9.000 ms
Loss rate: 8.46%

Run 7: Report of PCC-Vivace — Data Link

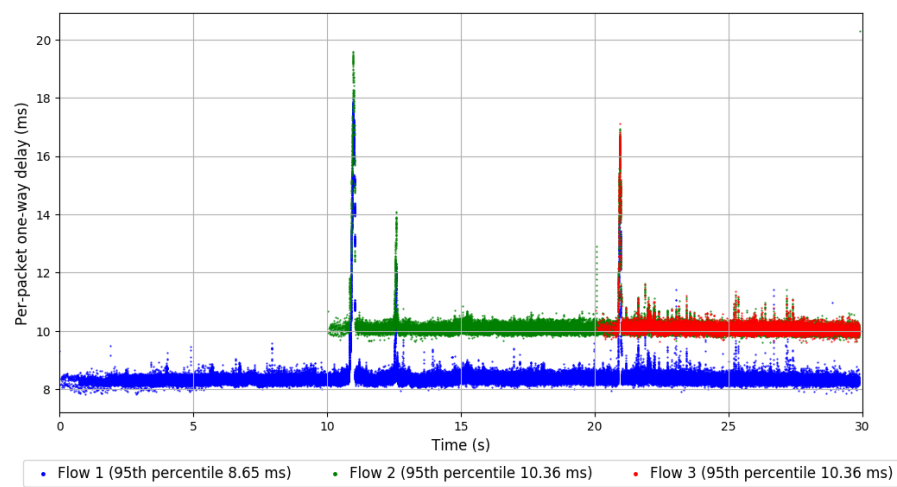
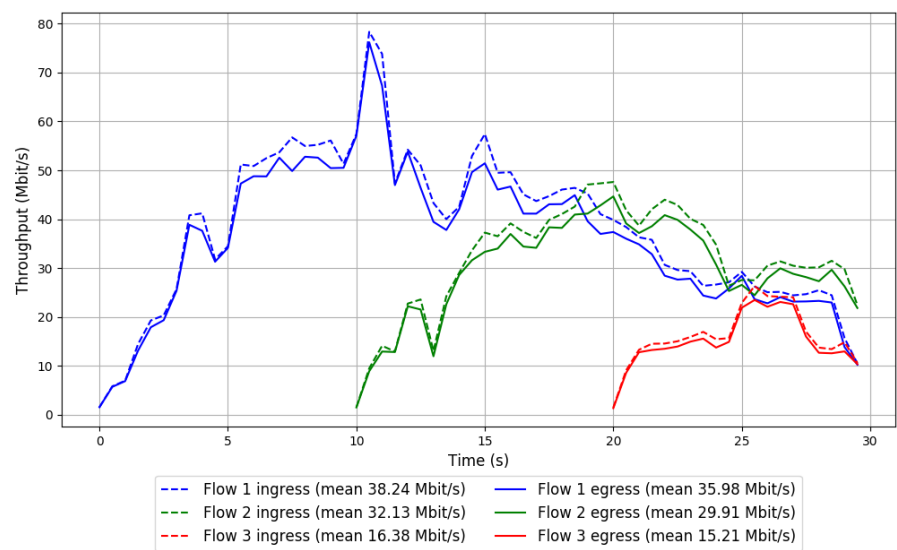


Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 22:51:38
End at: 2018-04-24 22:52:08
Local clock offset: -15.104 ms
Remote clock offset: -6.882 ms

Below is generated by plot.py at 2018-04-25 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 10.269 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 8.654 ms
Loss rate: 5.91%
-- Flow 2:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 10.355 ms
Loss rate: 6.87%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 10.363 ms
Loss rate: 7.12%

Run 8: Report of PCC-Vivace — Data Link

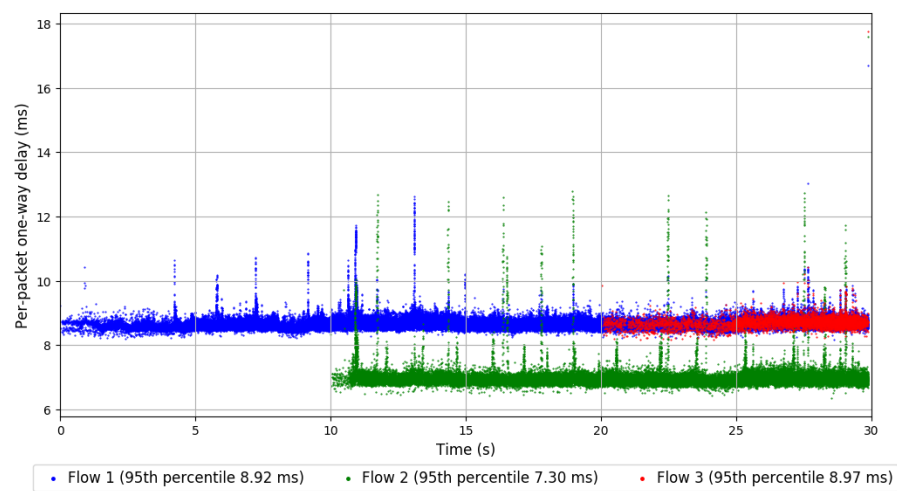
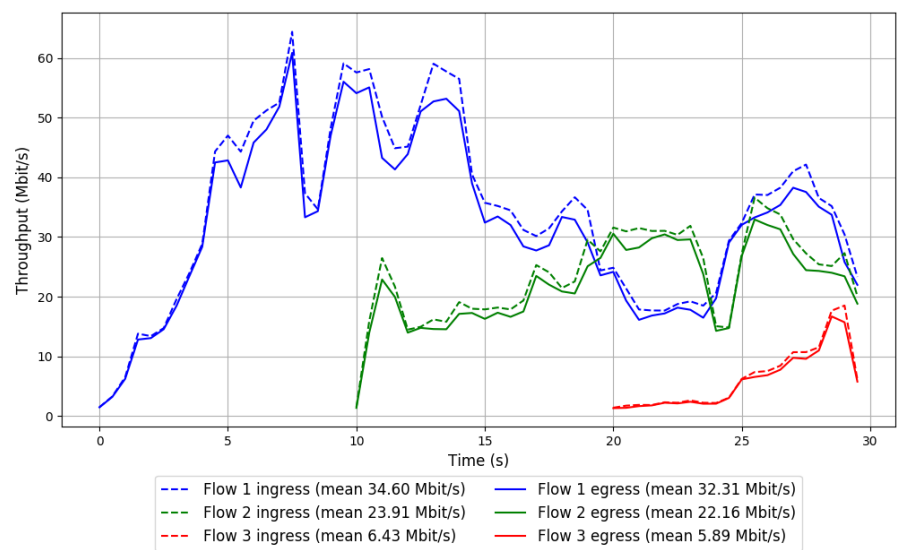


Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 23:11:44
End at: 2018-04-24 23:12:14
Local clock offset: -17.176 ms
Remote clock offset: -7.788 ms

Below is generated by plot.py at 2018-04-25 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 8.886 ms
Loss rate: 6.87%
-- Flow 1:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 8.917 ms
Loss rate: 6.60%
-- Flow 2:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 7.297 ms
Loss rate: 7.28%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 8.966 ms
Loss rate: 8.27%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 23:31:30

End at: 2018-04-24 23:32:00

Local clock offset: -5.051 ms

Remote clock offset: -8.18 ms

Below is generated by plot.py at 2018-04-25 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 9.380 ms

Loss rate: 6.37%

-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 9.417 ms

Loss rate: 6.40%

-- Flow 2:

Average throughput: 13.26 Mbit/s

95th percentile per-packet one-way delay: 8.142 ms

Loss rate: 6.19%

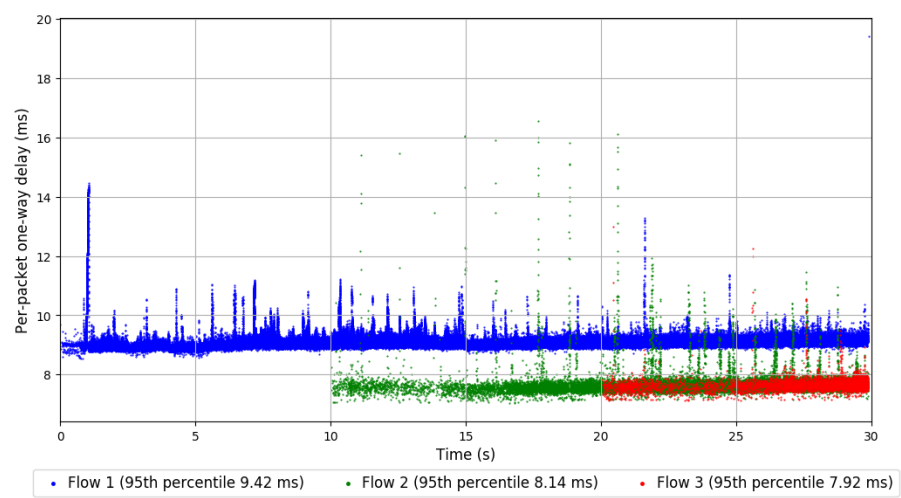
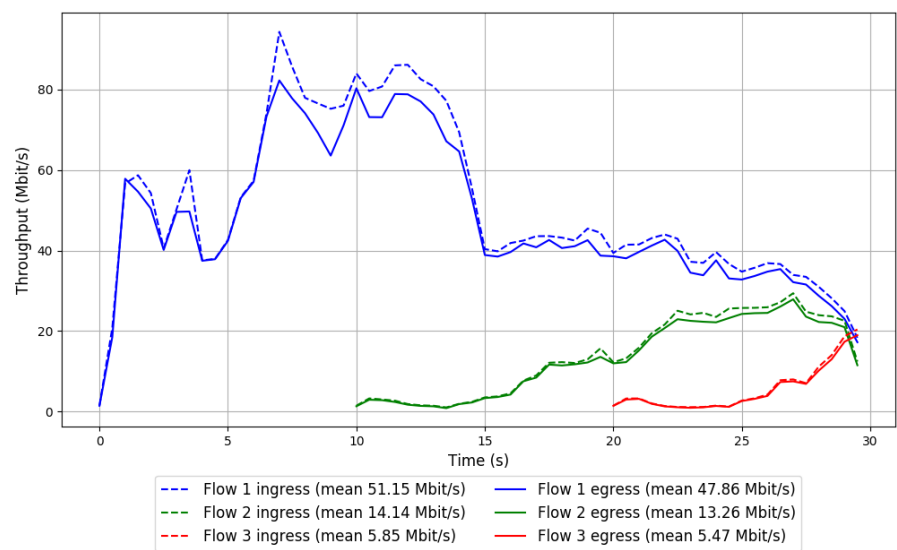
-- Flow 3:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 7.923 ms

Loss rate: 6.50%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 20:35:09
End at: 2018-04-24 20:35:39
Local clock offset: -0.117 ms
Remote clock offset: -10.268 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

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Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 20:54:48
End at: 2018-04-24 20:55:18
Local clock offset: 0.481 ms
Remote clock offset: -11.356 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 21:14:26
End at: 2018-04-24 21:14:56
Local clock offset: -0.176 ms
Remote clock offset: -10.839 ms

Run 3: Report of PCC-Expr — Data Link

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Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 21:33:54
End at: 2018-04-24 21:34:24
Local clock offset: 0.607 ms
Remote clock offset: -10.208 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 21:53:31

End at: 2018-04-24 21:54:01

Local clock offset: -0.096 ms

Remote clock offset: -2.937 ms

Run 5: Report of PCC-Expr — Data Link

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Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 22:13:03

End at: 2018-04-24 22:13:33

Local clock offset: -5.041 ms

Remote clock offset: -5.15 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 22:33:02

End at: 2018-04-24 22:33:32

Local clock offset: -11.614 ms

Remote clock offset: -6.869 ms

Run 7: Report of PCC-Expr — Data Link

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Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 22:52:53

End at: 2018-04-24 22:53:23

Local clock offset: -15.226 ms

Remote clock offset: -6.822 ms

Run 8: Report of PCC-Expr — Data Link

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Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 23:12:54

End at: 2018-04-24 23:13:24

Local clock offset: -17.562 ms

Remote clock offset: -6.721 ms

Run 9: Report of PCC-Expr — Data Link

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Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 23:32:41

End at: 2018-04-24 23:33:11

Local clock offset: -5.17 ms

Remote clock offset: -6.794 ms

Run 10: Report of PCC-Expr — Data Link

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Figure is missing