

Pantheon Report

Generated at 2018-02-05 01:47:31 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

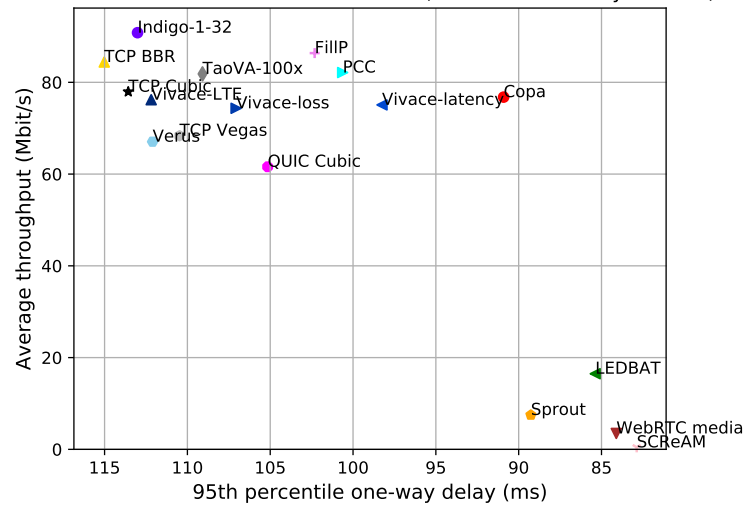
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

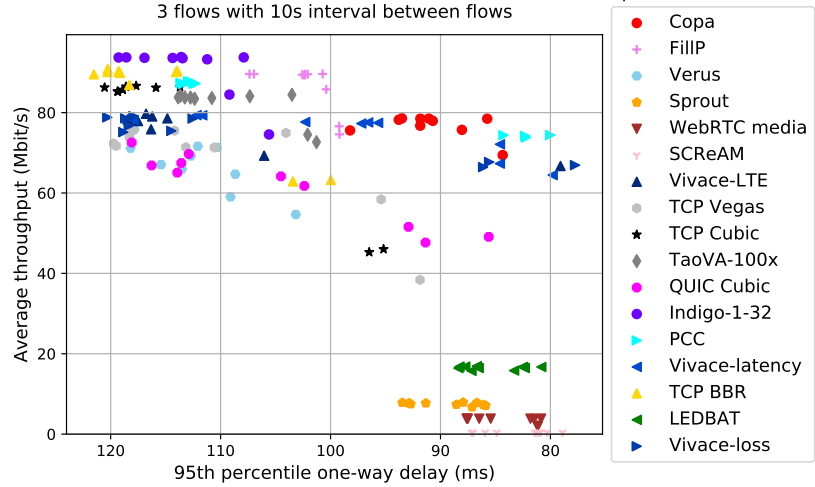
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 51.14 | 37.20 | 26.37 | 113.70 | 115.52 | 115.01 | 2.40 | 3.36 | 5.14 |
| TCP Cubic | 10 | 45.19 | 34.99 | 29.18 | 112.97 | 113.65 | 113.93 | 0.70 | 1.46 | 3.64 |
| LEDBAT | 10 | 10.79 | 6.99 | 3.28 | 84.99 | 85.47 | 84.95 | 1.21 | 1.83 | 3.74 |
| PCC | 10 | 62.49 | 20.35 | 18.95 | 99.63 | 100.93 | 100.96 | 2.28 | 3.92 | 3.61 |
| QUIC Cubic | 10 | 36.79 | 25.75 | 23.79 | 104.98 | 103.43 | 103.85 | 1.01 | 1.56 | 2.89 |
| SCReAM | 10 | 0.22 | 0.22 | 0.22 | 81.88 | 82.29 | 82.46 | 0.64 | 0.84 | 1.60 |
| WebRTC media | 10 | 1.69 | 1.33 | 0.48 | 83.78 | 83.43 | 83.29 | 0.67 | 0.79 | 3.14 |
| Sprout | 10 | 3.91 | 3.67 | 3.55 | 89.01 | 89.22 | 89.66 | 0.70 | 1.14 | 2.28 |
| TaoVA-100x | 10 | 49.35 | 37.57 | 23.02 | 107.53 | 109.62 | 110.46 | 2.50 | 4.06 | 4.33 |
| TCP Vegas | 10 | 34.46 | 37.03 | 28.44 | 110.43 | 109.52 | 110.49 | 0.73 | 0.96 | 2.43 |
| Verus | 10 | 35.54 | 37.12 | 21.82 | 110.50 | 111.92 | 115.21 | 2.80 | 3.82 | 5.95 |
| Copa | 10 | 50.64 | 33.03 | 12.82 | 89.62 | 92.00 | 93.28 | 1.50 | 2.60 | 4.58 |
| FillP | 10 | 53.52 | 36.53 | 26.35 | 101.02 | 102.36 | 103.90 | 3.01 | 5.67 | 8.50 |
| Indigo-1-32 | 10 | 60.34 | 34.37 | 23.92 | 112.11 | 113.22 | 114.37 | 1.38 | 1.86 | 3.96 |
| Vivace-latency | 10 | 59.42 | 18.40 | 10.63 | 97.75 | 99.04 | 97.35 | 1.25 | 2.13 | 4.64 |
| Vivace-loss | 10 | 52.77 | 23.73 | 17.97 | 106.32 | 106.69 | 107.32 | 1.81 | 3.43 | 9.06 |
| Vivace-LTE | 10 | 51.85 | 27.29 | 19.28 | 110.66 | 112.08 | 113.31 | 1.64 | 3.88 | 5.42 |

Run 1: Statistics of TCP BBR

Start at: 2018-02-04 17:29:58

End at: 2018-02-04 17:30:28

Local clock offset: -0.105 ms

Remote clock offset: -4.84 ms

Below is generated by plot.py at 2018-02-05 01:24:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 118.310 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 117.621 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 38.05 Mbit/s

95th percentile per-packet one-way delay: 119.120 ms

Loss rate: 0.92%

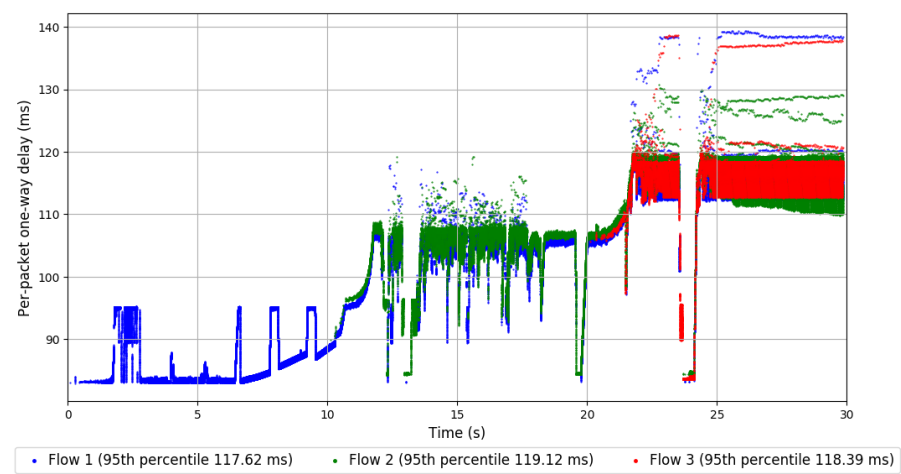
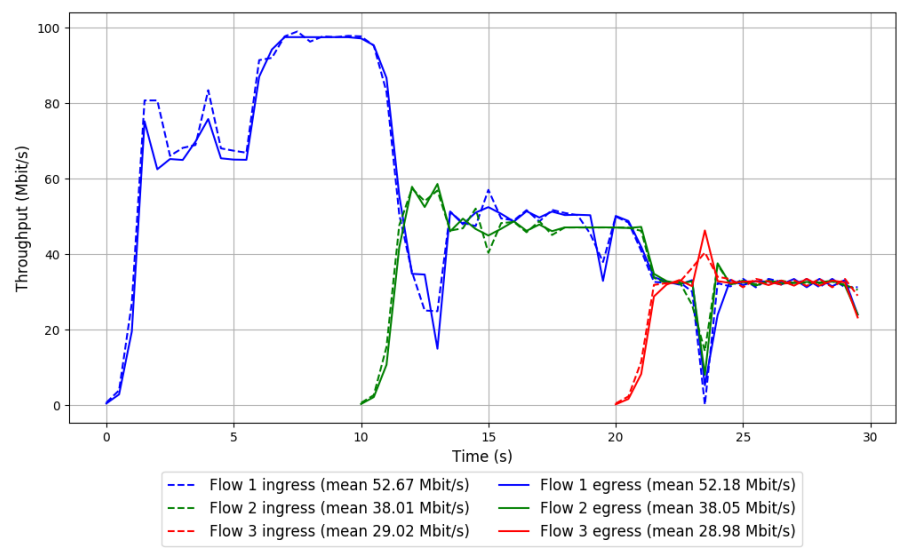
-- Flow 3:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 118.387 ms

Loss rate: 2.33%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-04 17:53:52

End at: 2018-02-04 17:54:22

Local clock offset: -0.021 ms

Remote clock offset: 0.729 ms

Below is generated by plot.py at 2018-02-05 01:25:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.40 Mbit/s

95th percentile per-packet one-way delay: 113.948 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 112.089 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 113.984 ms

Loss rate: 0.84%

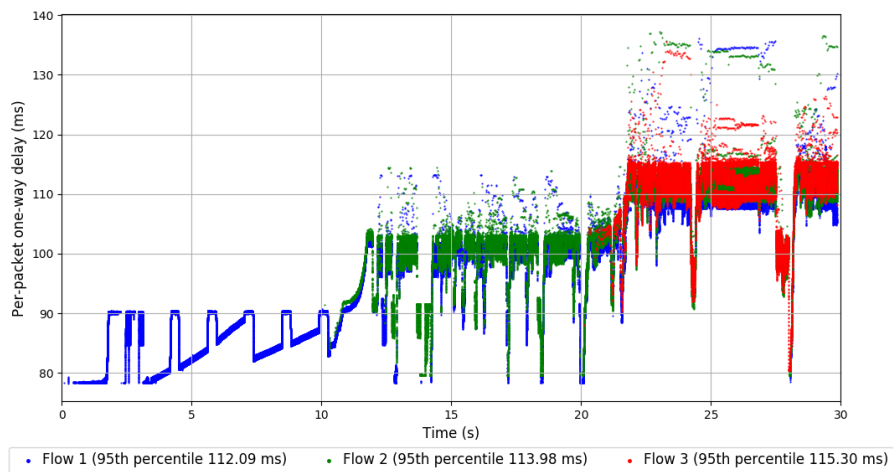
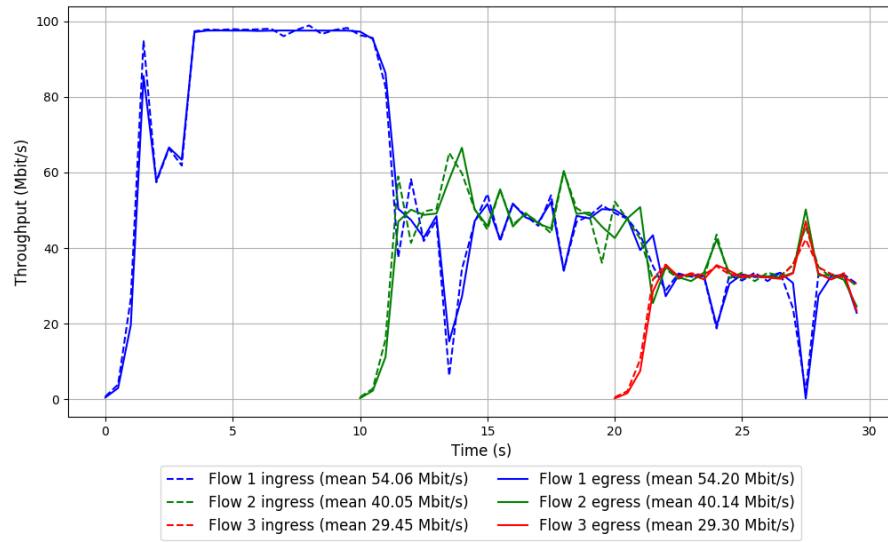
-- Flow 3:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 115.303 ms

Loss rate: 2.43%

Run 2: Report of TCP BBR — Data Link

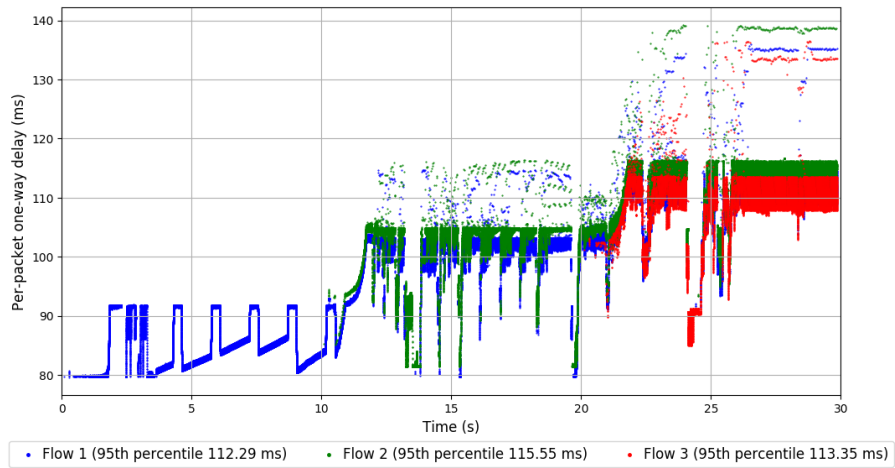
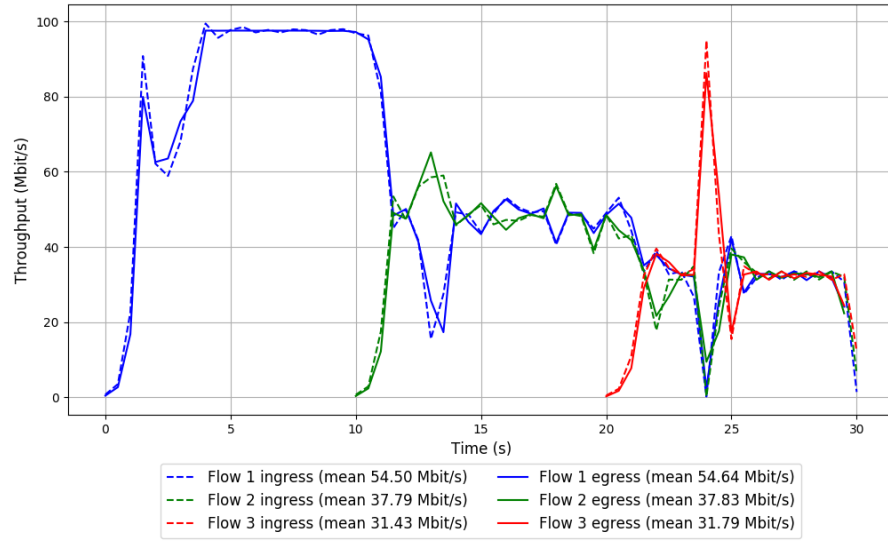


Run 3: Statistics of TCP BBR

Start at: 2018-02-04 18:17:57
End at: 2018-02-04 18:18:28
Local clock offset: -0.038 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-02-05 01:25:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 114.046 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 112.292 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 115.545 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 113.351 ms
Loss rate: 4.23%

Run 3: Report of TCP BBR — Data Link

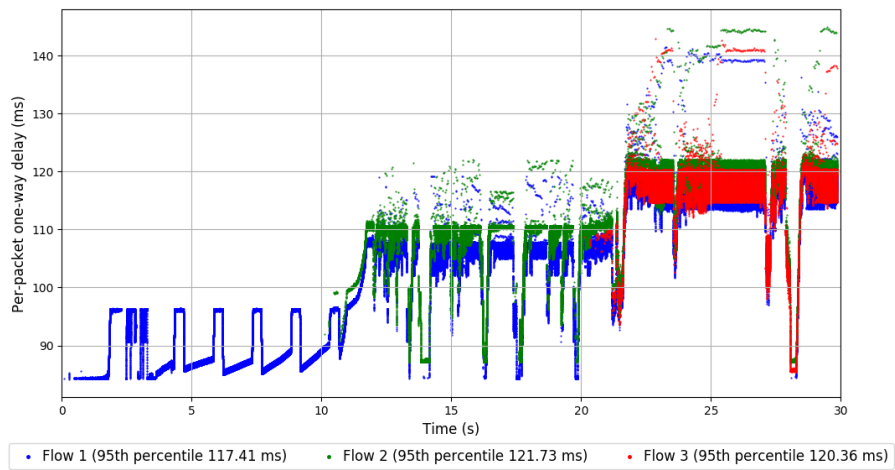
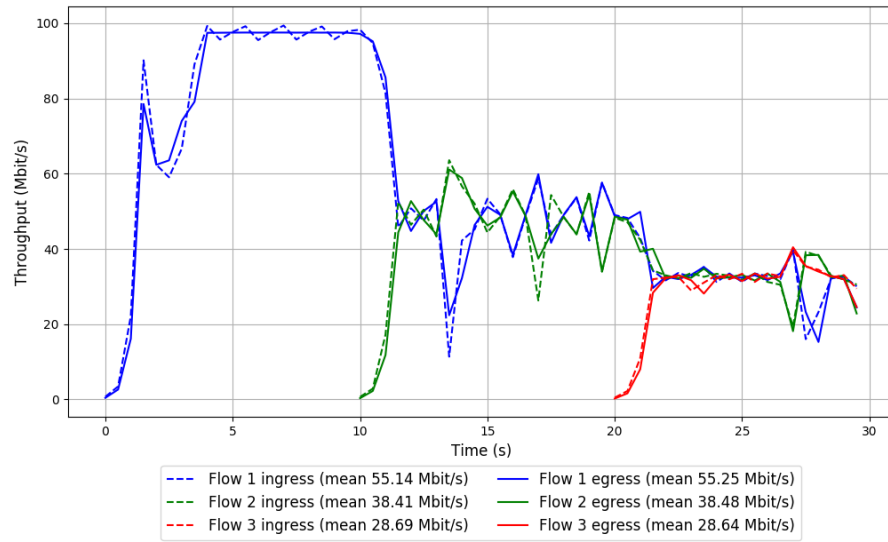


Run 4: Statistics of TCP BBR

Start at: 2018-02-04 18:42:08
End at: 2018-02-04 18:42:38
Local clock offset: -0.028 ms
Remote clock offset: -5.603 ms

Below is generated by plot.py at 2018-02-05 01:25:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 120.283 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 117.413 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 121.729 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 120.365 ms
Loss rate: 2.35%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-04 19:06:00

End at: 2018-02-04 19:06:30

Local clock offset: -0.124 ms

Remote clock offset: 2.657 ms

Below is generated by plot.py at 2018-02-05 01:25:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 103.423 ms

Loss rate: 11.00%

-- Flow 1:

Average throughput: 37.49 Mbit/s

95th percentile per-packet one-way delay: 103.313 ms

Loss rate: 9.94%

-- Flow 2:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 103.498 ms

Loss rate: 12.45%

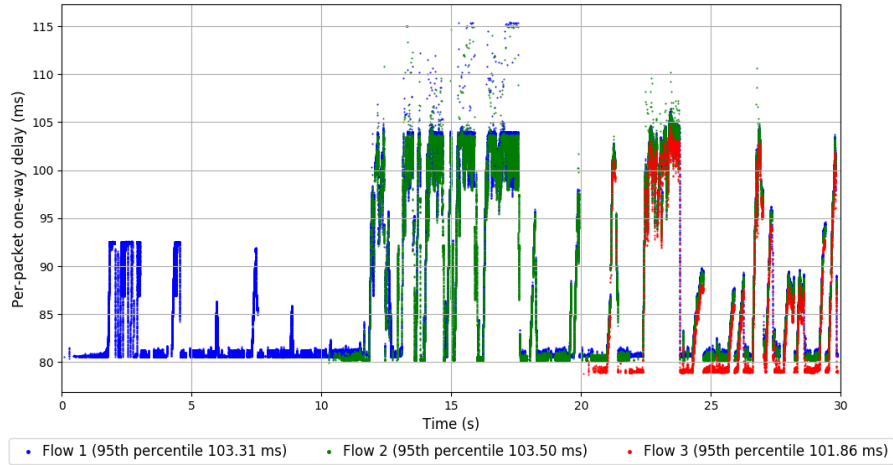
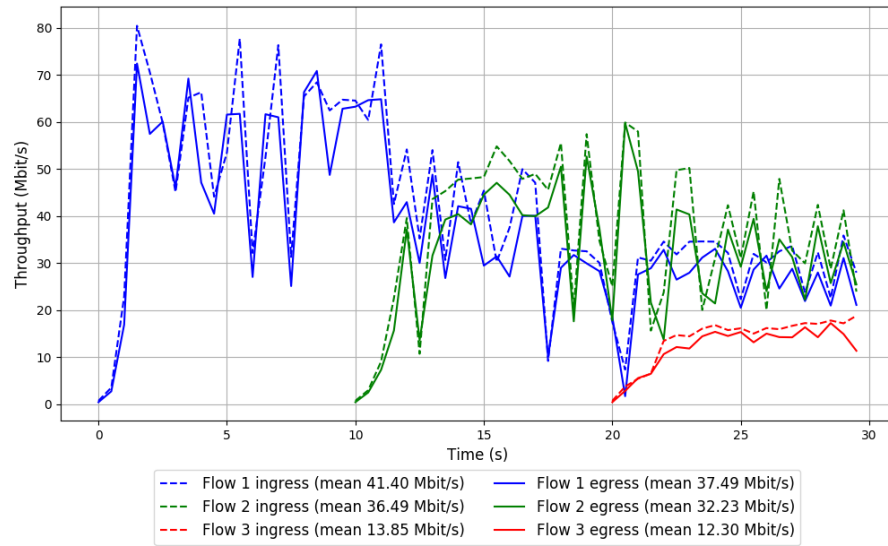
-- Flow 3:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 101.858 ms

Loss rate: 12.81%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-04 19:30:02

End at: 2018-02-04 19:30:32

Local clock offset: -0.087 ms

Remote clock offset: 3.744 ms

Below is generated by plot.py at 2018-02-05 01:25:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.25 Mbit/s

95th percentile per-packet one-way delay: 99.974 ms

Loss rate: 10.43%

-- Flow 1:

Average throughput: 38.09 Mbit/s

95th percentile per-packet one-way delay: 98.570 ms

Loss rate: 9.28%

-- Flow 2:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 101.139 ms

Loss rate: 11.71%

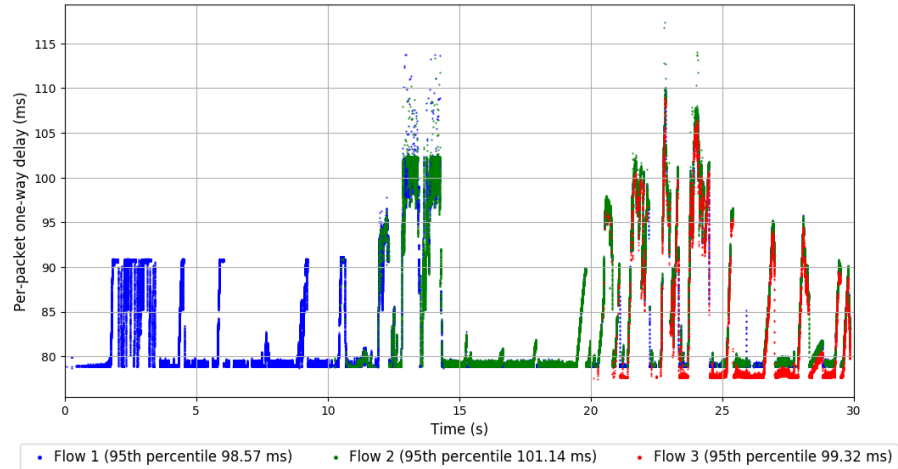
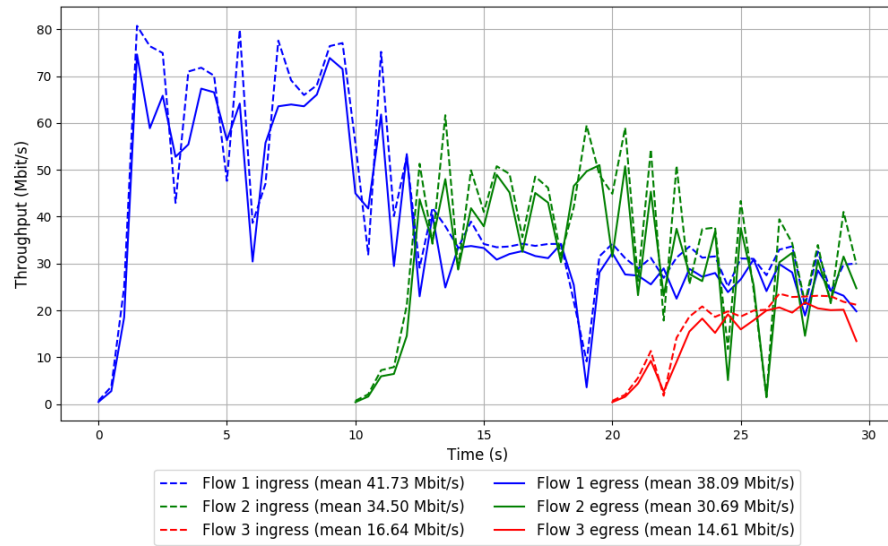
-- Flow 3:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 99.317 ms

Loss rate: 13.80%

Run 6: Report of TCP BBR — Data Link

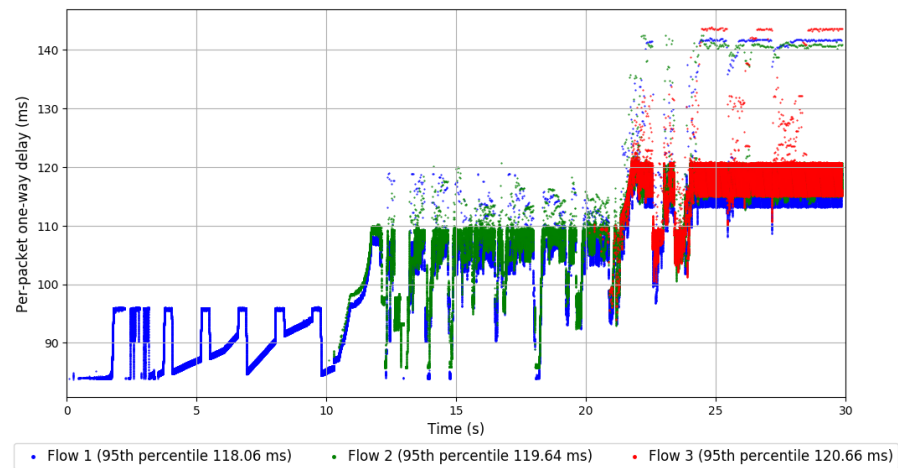
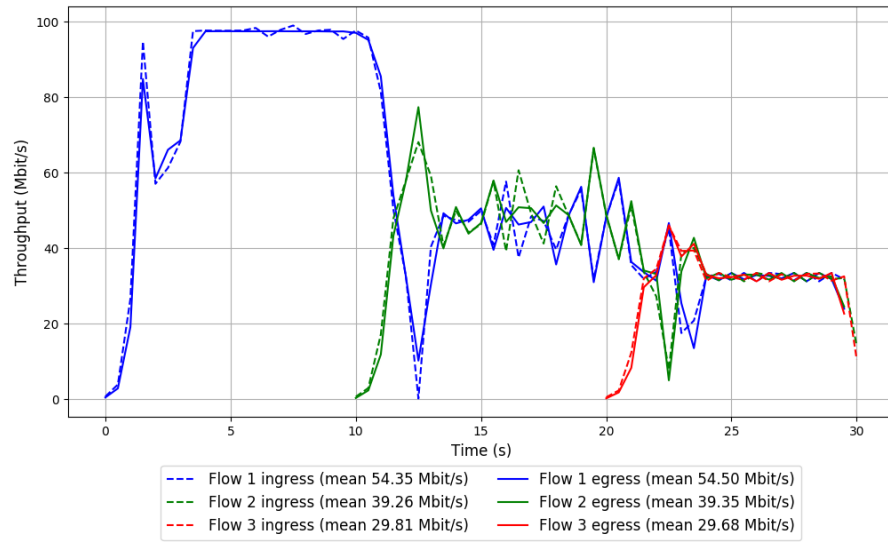


Run 7: Statistics of TCP BBR

Start at: 2018-02-04 19:53:50
End at: 2018-02-04 19:54:20
Local clock offset: -0.124 ms
Remote clock offset: -2.086 ms

Below is generated by plot.py at 2018-02-05 01:25:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 119.277 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 118.059 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 119.640 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 120.660 ms
Loss rate: 4.49%

Run 7: Report of TCP BBR — Data Link

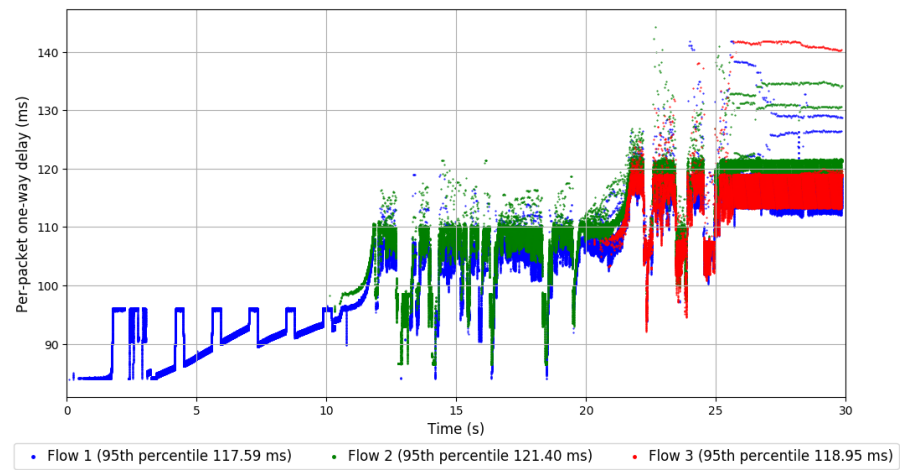
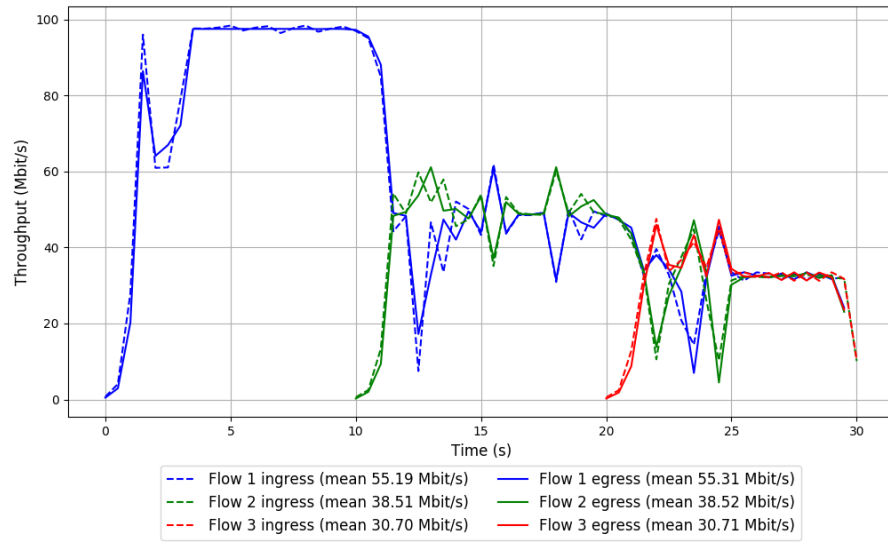


Run 8: Statistics of TCP BBR

Start at: 2018-02-04 20:17:43
End at: 2018-02-04 20:18:13
Local clock offset: -0.064 ms
Remote clock offset: -1.612 ms

Below is generated by plot.py at 2018-02-05 01:25:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 120.269 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 117.591 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.52 Mbit/s
95th percentile per-packet one-way delay: 121.397 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 118.951 ms
Loss rate: 4.25%

Run 8: Report of TCP BBR — Data Link

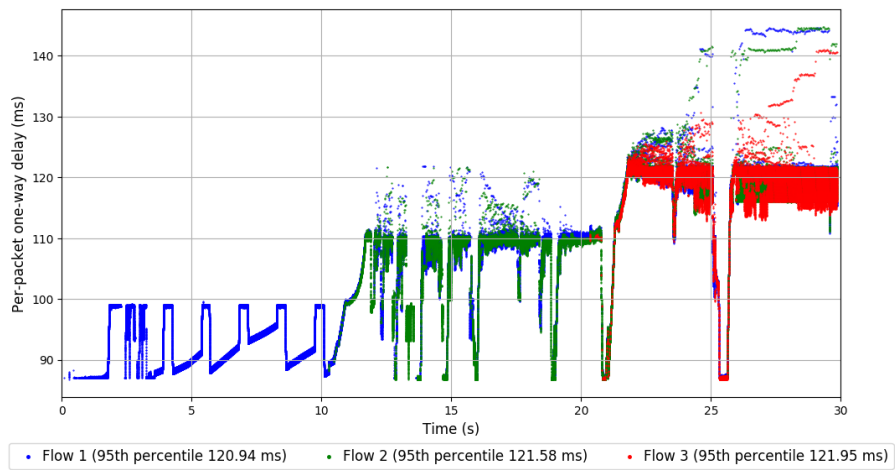
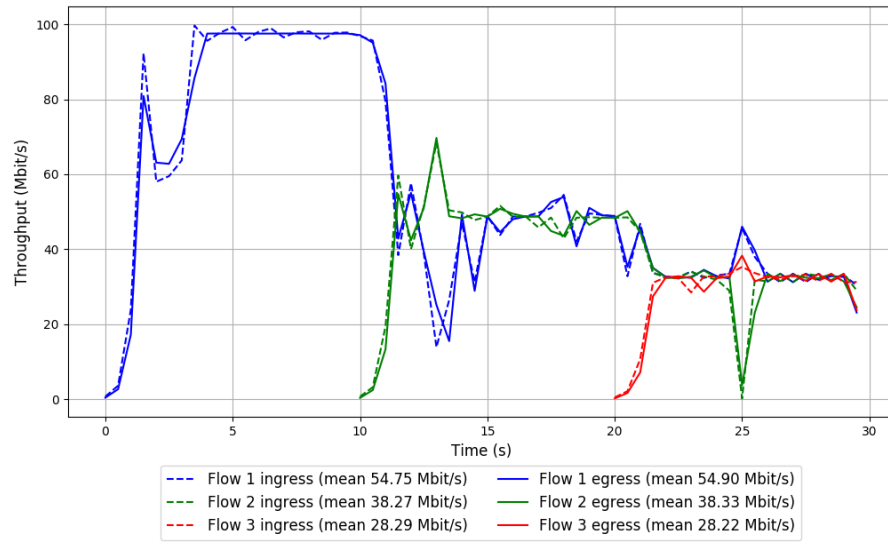


Run 9: Statistics of TCP BBR

Start at: 2018-02-04 20:41:40
End at: 2018-02-04 20:42:11
Local clock offset: -0.086 ms
Remote clock offset: -1.587 ms

Below is generated by plot.py at 2018-02-05 01:25:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 121.521 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 120.941 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 121.582 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 121.947 ms
Loss rate: 2.52%

Run 9: Report of TCP BBR — Data Link

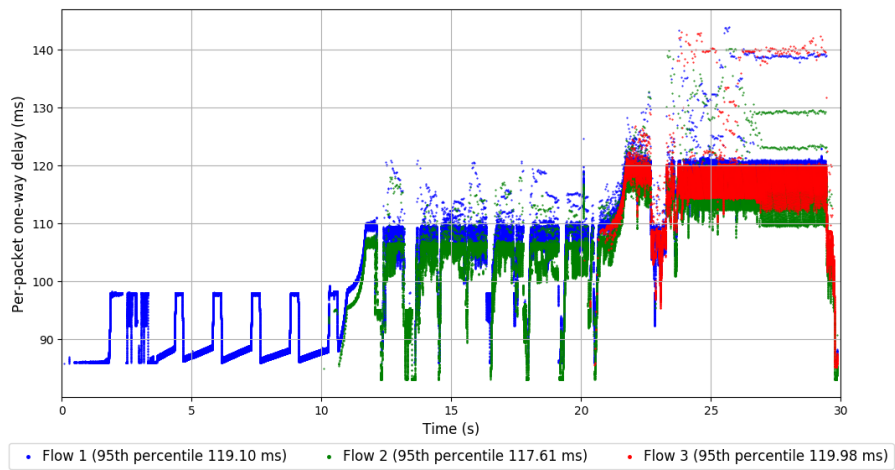
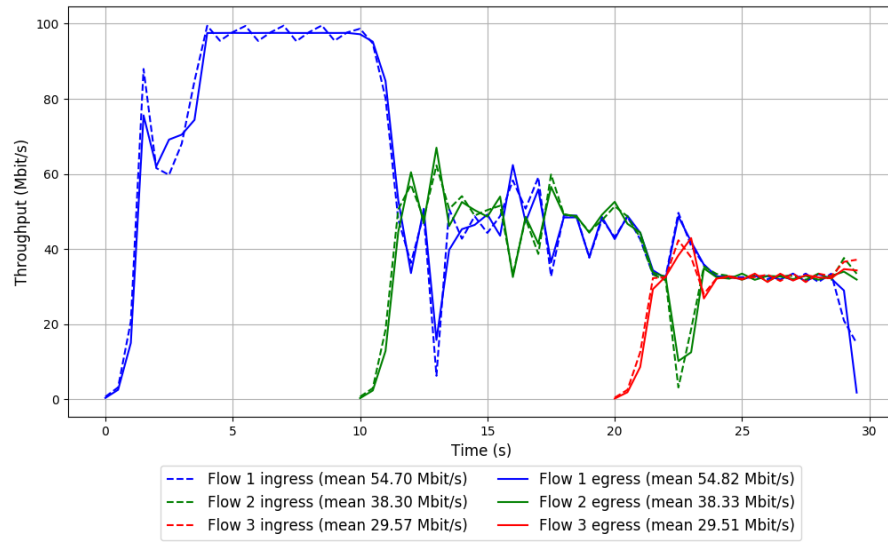


Run 10: Statistics of TCP BBR

Start at: 2018-02-04 21:05:31
End at: 2018-02-04 21:06:01
Local clock offset: -0.062 ms
Remote clock offset: -0.703 ms

Below is generated by plot.py at 2018-02-05 01:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 119.148 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 54.82 Mbit/s
95th percentile per-packet one-way delay: 119.101 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 117.614 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 119.985 ms
Loss rate: 2.22%

Run 10: Report of TCP BBR — Data Link

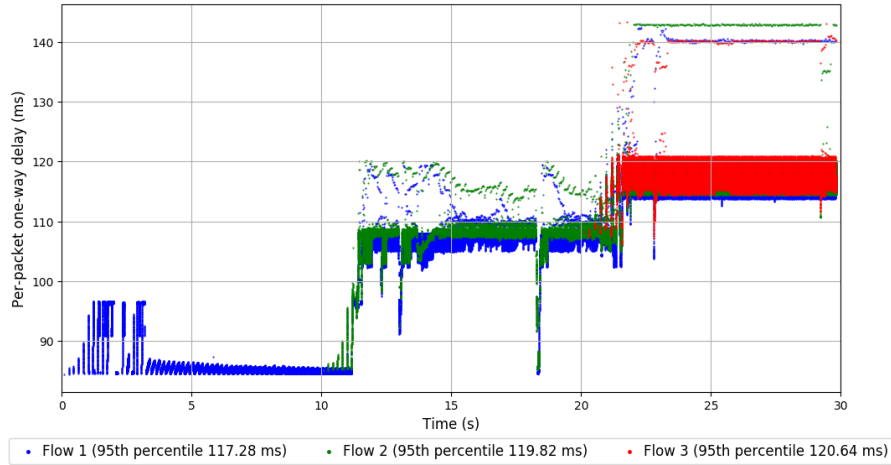
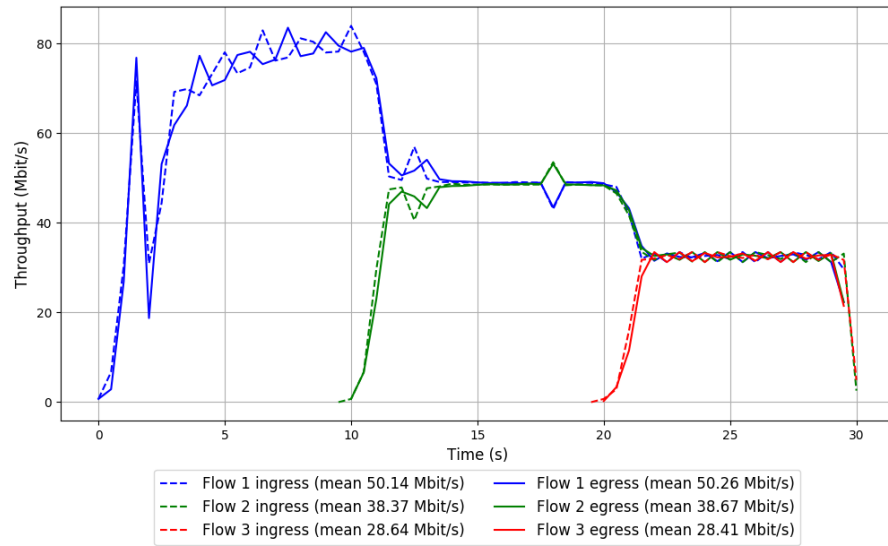


Run 1: Statistics of TCP Cubic

Start at: 2018-02-04 17:44:34
End at: 2018-02-04 17:45:04
Local clock offset: -0.026 ms
Remote clock offset: -4.613 ms

Below is generated by plot.py at 2018-02-05 01:26:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 119.347 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 117.284 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 119.821 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 28.41 Mbit/s
95th percentile per-packet one-way delay: 120.637 ms
Loss rate: 3.92%

Run 1: Report of TCP Cubic — Data Link

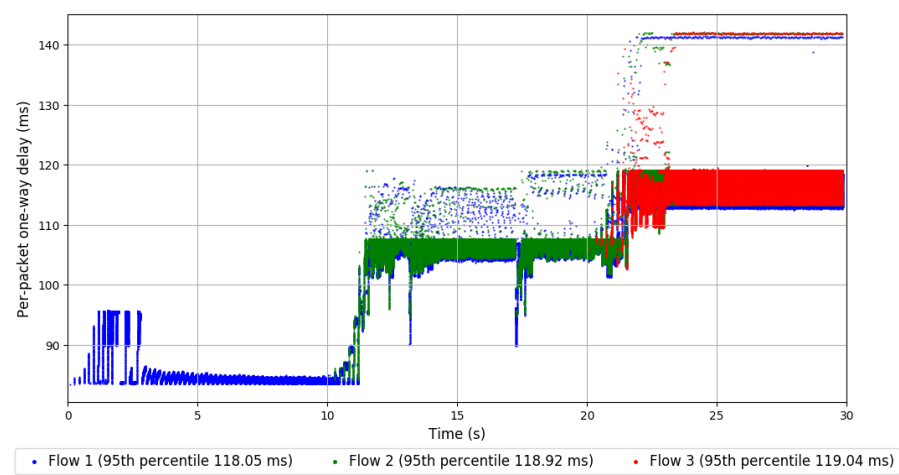
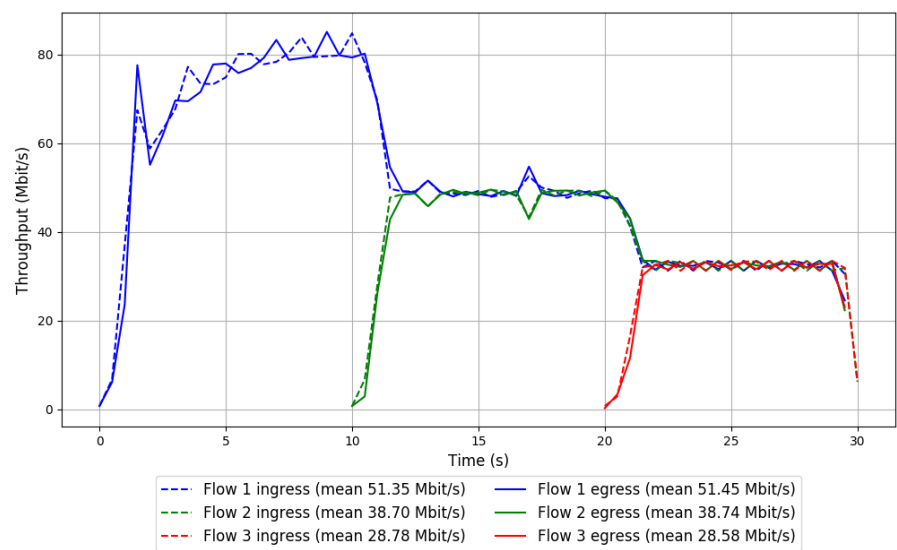


Run 2: Statistics of TCP Cubic

Start at: 2018-02-04 18:08:29
End at: 2018-02-04 18:08:59
Local clock offset: -0.025 ms
Remote clock offset: -5.039 ms

Below is generated by plot.py at 2018-02-05 01:26:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 118.611 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 118.053 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 118.922 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 119.039 ms
Loss rate: 3.89%

Run 2: Report of TCP Cubic — Data Link

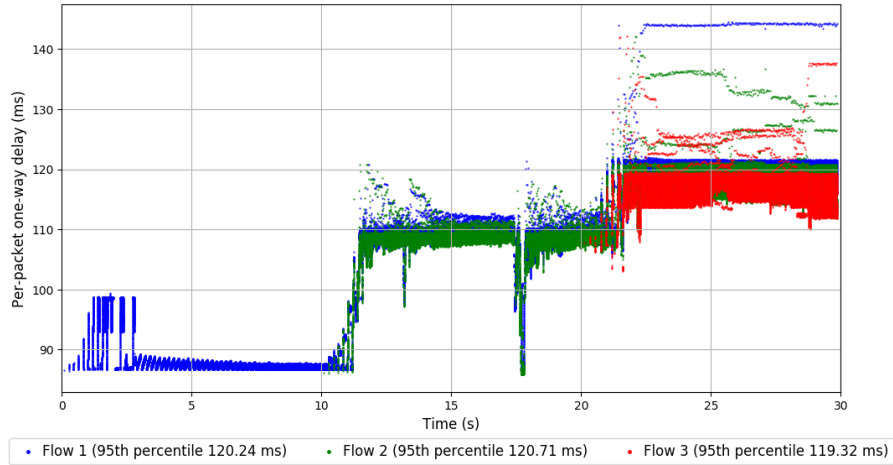
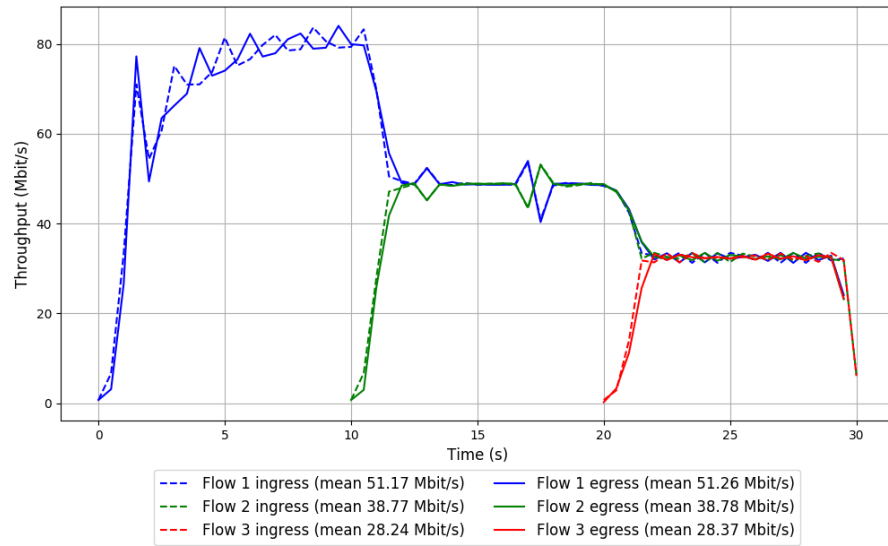


Run 3: Statistics of TCP Cubic

Start at: 2018-02-04 18:32:49
End at: 2018-02-04 18:33:19
Local clock offset: -0.037 ms
Remote clock offset: -6.221 ms

Below is generated by plot.py at 2018-02-05 01:26:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 120.554 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 120.238 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 120.707 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 119.316 ms
Loss rate: 3.89%

Run 3: Report of TCP Cubic — Data Link

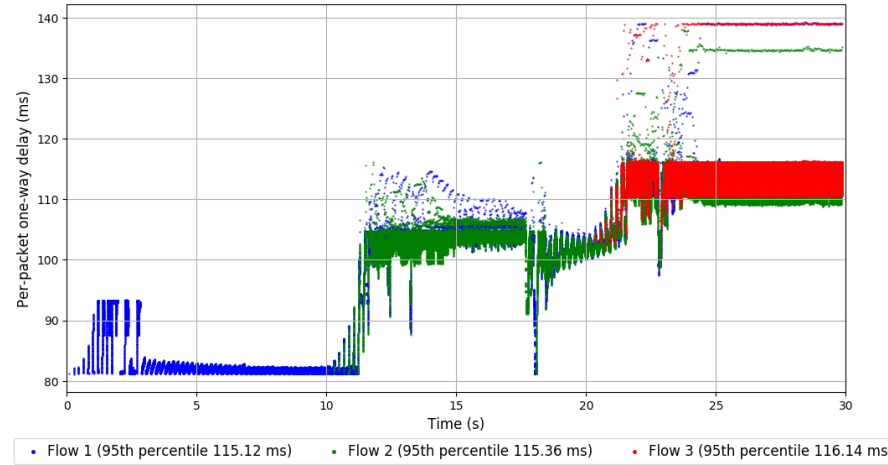
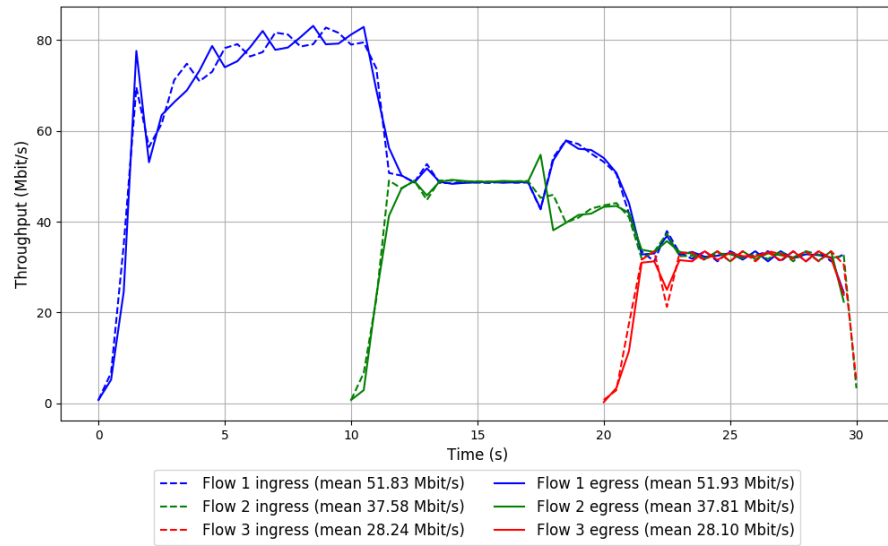


Run 4: Statistics of TCP Cubic

Start at: 2018-02-04 18:56:44
End at: 2018-02-04 18:57:14
Local clock offset: -0.037 ms
Remote clock offset: 0.354 ms

Below is generated by plot.py at 2018-02-05 01:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 115.881 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 115.117 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 115.360 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 116.144 ms
Loss rate: 3.48%

Run 4: Report of TCP Cubic — Data Link

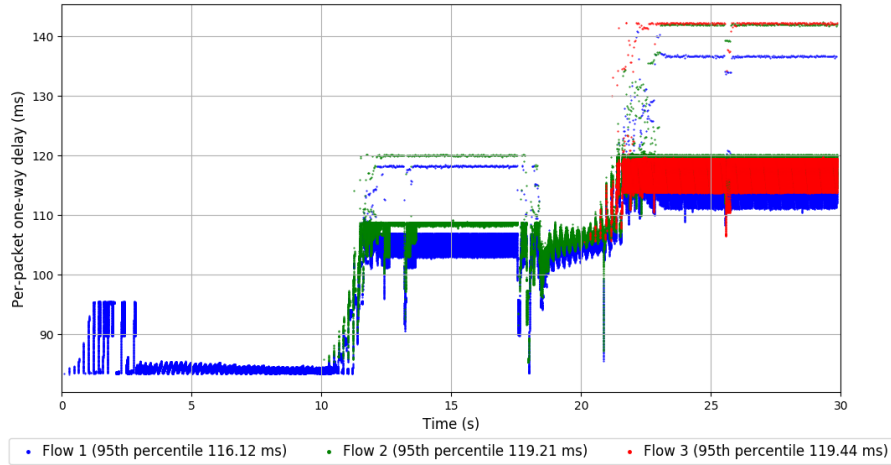
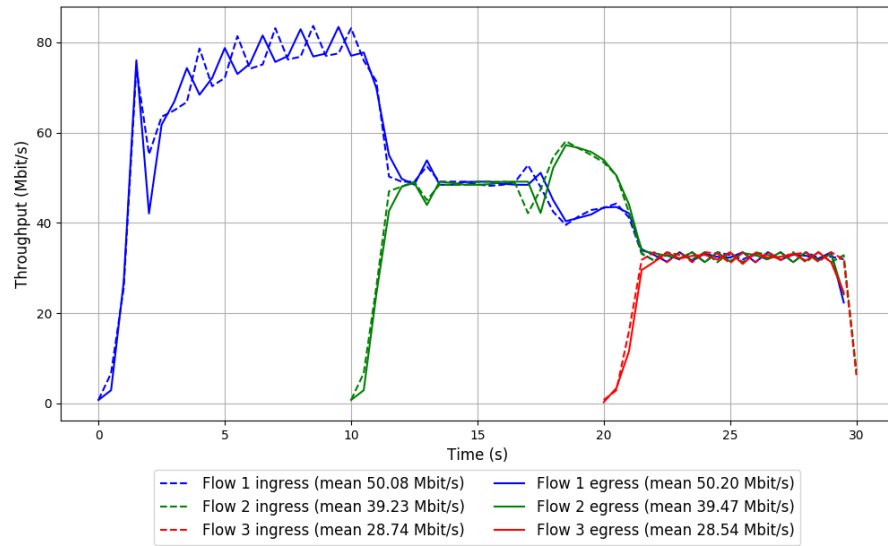


Run 5: Statistics of TCP Cubic

Start at: 2018-02-04 19:20:39
End at: 2018-02-04 19:21:09
Local clock offset: -0.067 ms
Remote clock offset: -2.086 ms

Below is generated by plot.py at 2018-02-05 01:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 118.900 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 116.124 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 119.207 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 119.439 ms
Loss rate: 3.89%

Run 5: Report of TCP Cubic — Data Link

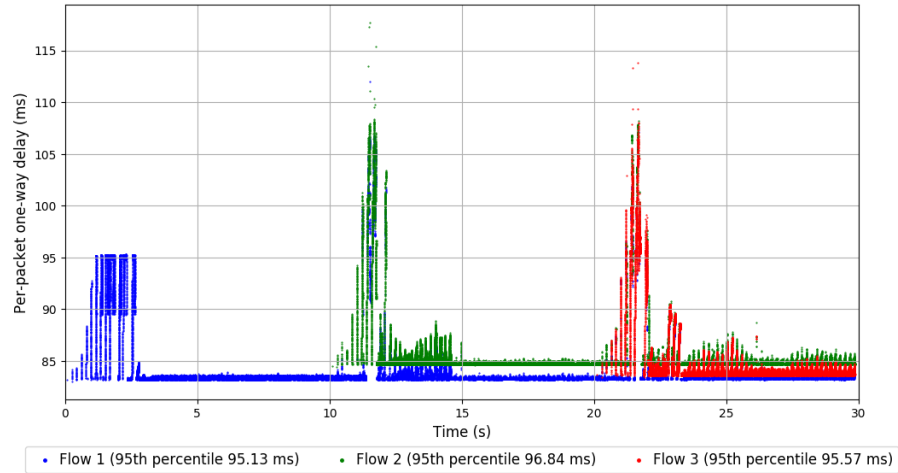
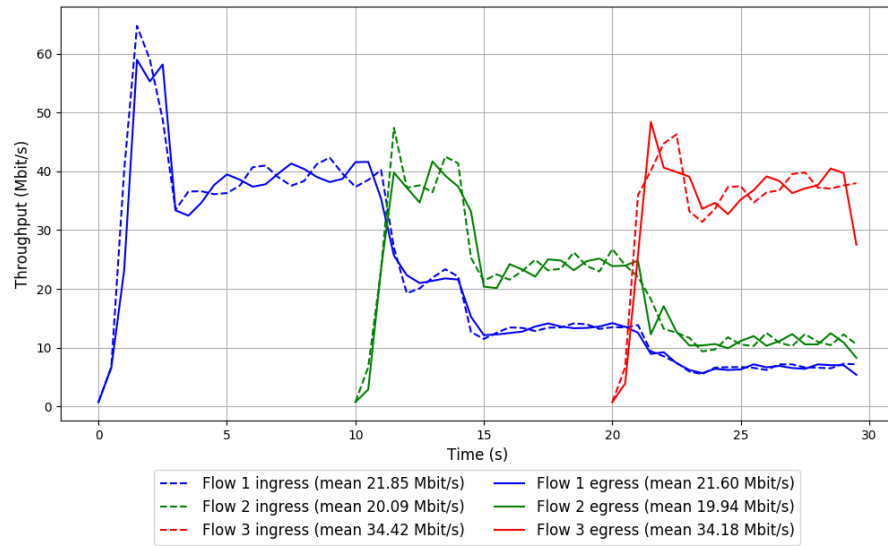


Run 6: Statistics of TCP Cubic

Start at: 2018-02-04 19:44:37
End at: 2018-02-04 19:45:07
Local clock offset: -0.084 ms
Remote clock offset: -1.578 ms

Below is generated by plot.py at 2018-02-05 01:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 95.177 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 21.60 Mbit/s
95th percentile per-packet one-way delay: 95.134 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 96.841 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 95.573 ms
Loss rate: 2.48%

Run 6: Report of TCP Cubic — Data Link

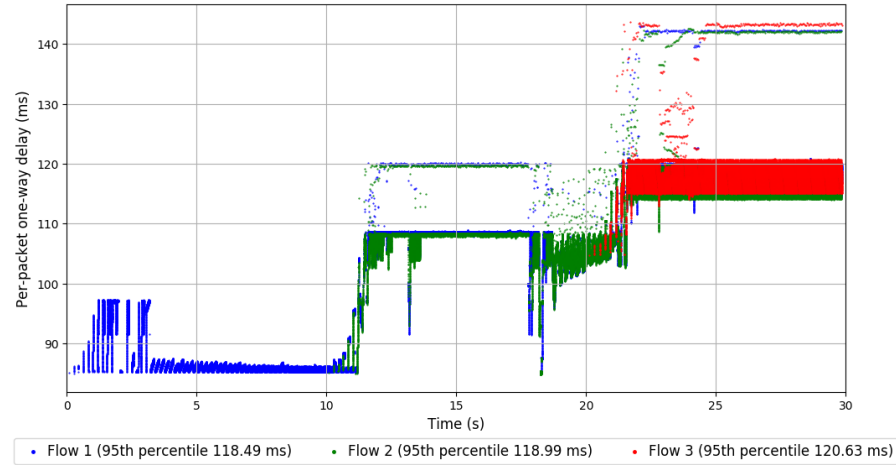
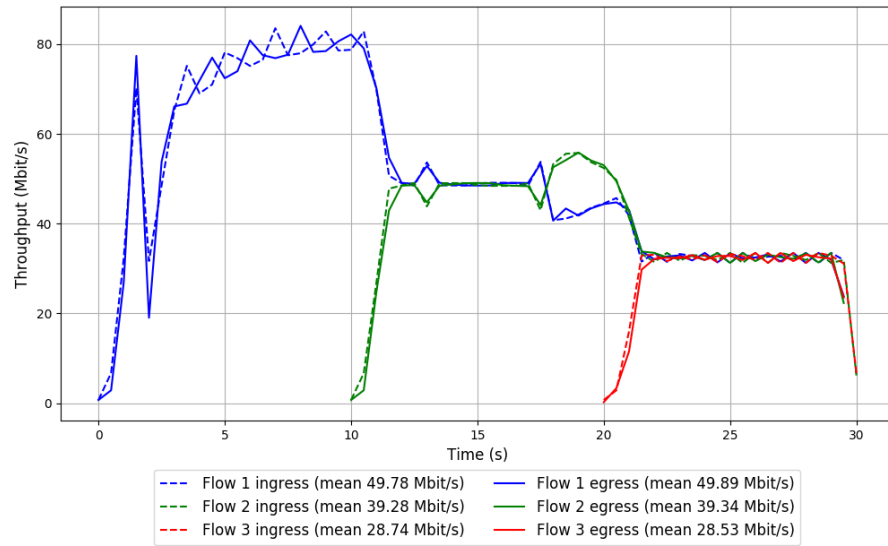


Run 7: Statistics of TCP Cubic

Start at: 2018-02-04 20:08:25
End at: 2018-02-04 20:08:55
Local clock offset: -0.038 ms
Remote clock offset: -0.994 ms

Below is generated by plot.py at 2018-02-05 01:27:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 119.371 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 118.494 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 118.989 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 120.633 ms
Loss rate: 3.90%

Run 7: Report of TCP Cubic — Data Link

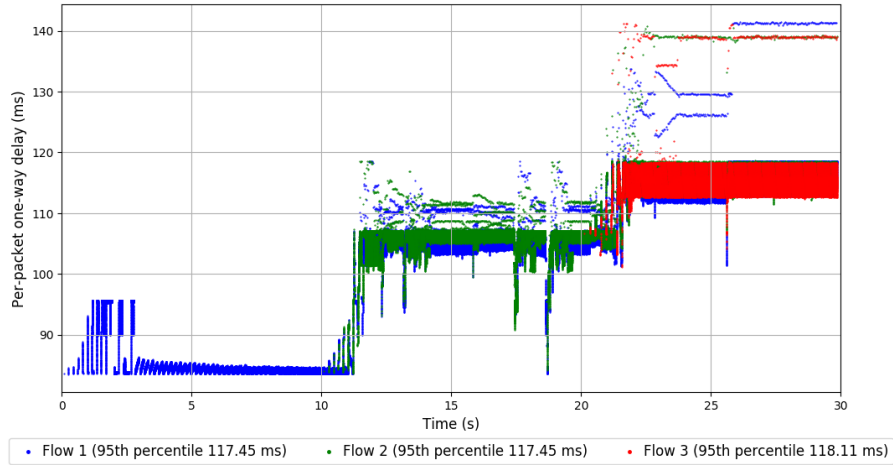
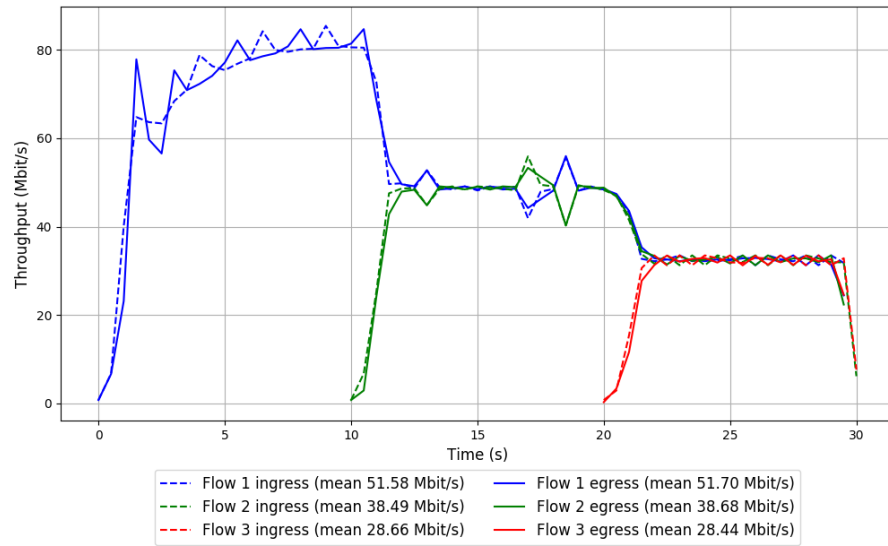


Run 8: Statistics of TCP Cubic

Start at: 2018-02-04 20:32:21
End at: 2018-02-04 20:32:51
Local clock offset: -0.02 ms
Remote clock offset: -0.856 ms

Below is generated by plot.py at 2018-02-05 01:27:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 117.684 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 117.446 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 117.454 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 118.108 ms
Loss rate: 3.92%

Run 8: Report of TCP Cubic — Data Link

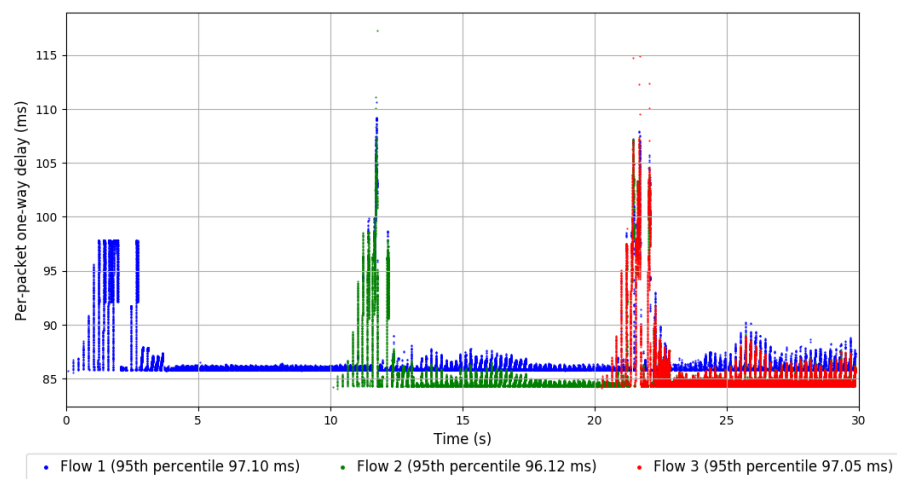
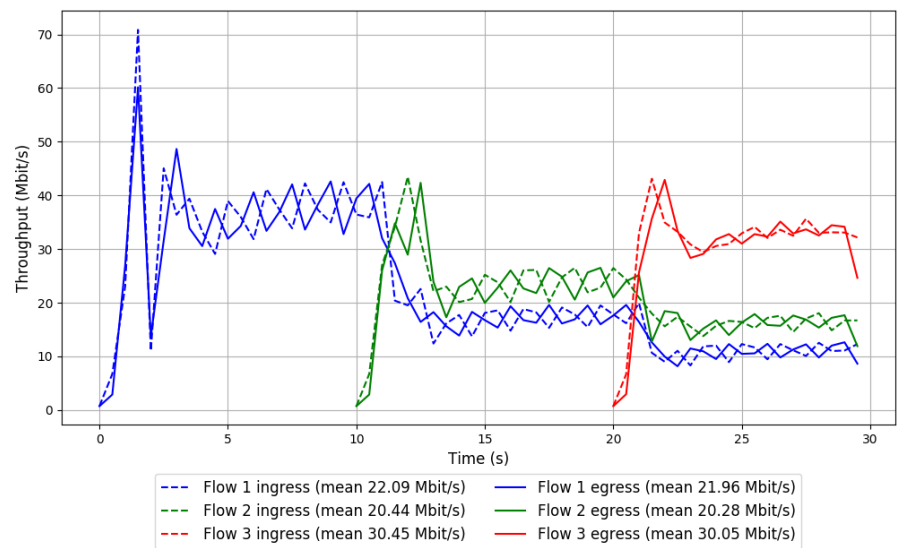


Run 9: Statistics of TCP Cubic

Start at: 2018-02-04 20:56:17
End at: 2018-02-04 20:56:47
Local clock offset: -0.04 ms
Remote clock offset: -1.671 ms

Below is generated by plot.py at 2018-02-05 01:27:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 96.483 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 97.097 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 96.119 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 97.045 ms
Loss rate: 3.11%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-04 21:20:05

End at: 2018-02-04 21:20:35

Local clock offset: -0.096 ms

Remote clock offset: 4.129 ms

Below is generated by plot.py at 2018-02-05 01:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.36 Mbit/s

95th percentile per-packet one-way delay: 113.696 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 114.730 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 113.071 ms

Loss rate: 1.46%

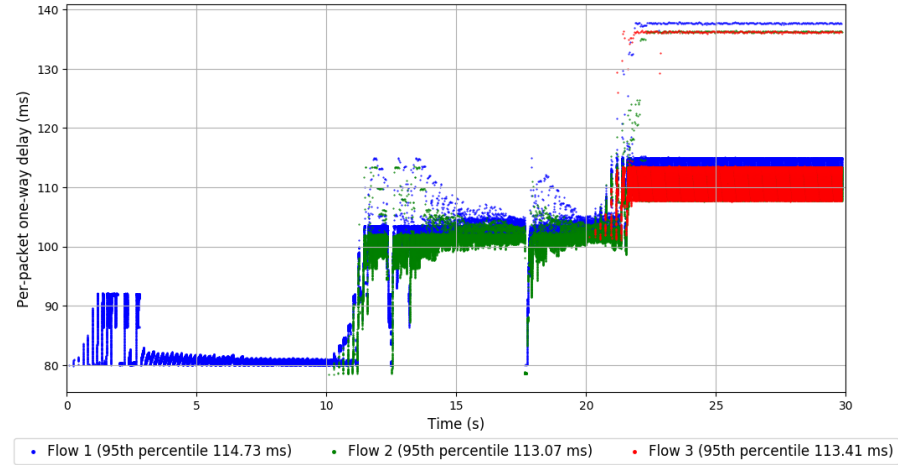
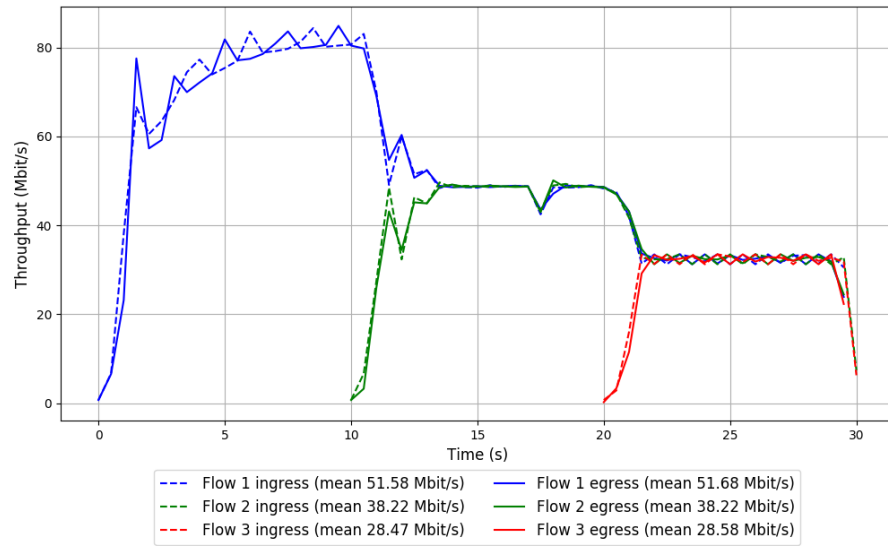
-- Flow 3:

Average throughput: 28.58 Mbit/s

95th percentile per-packet one-way delay: 113.411 ms

Loss rate: 3.90%

Run 10: Report of TCP Cubic — Data Link

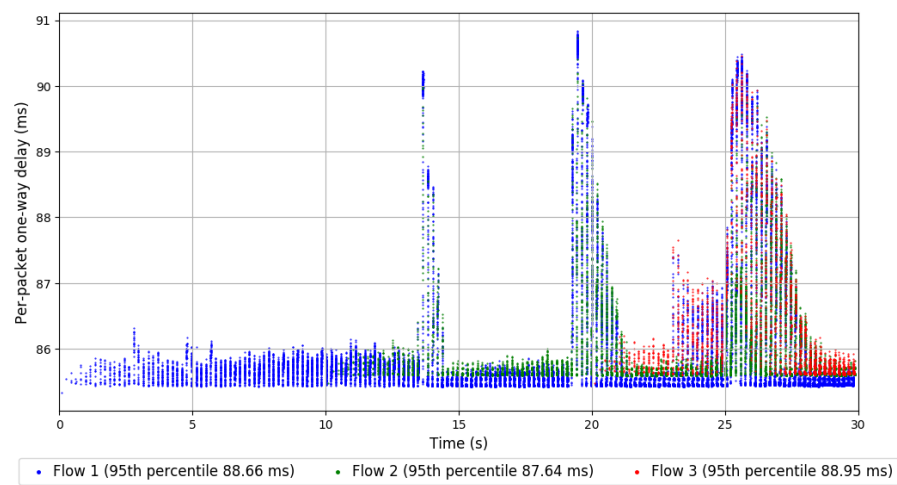
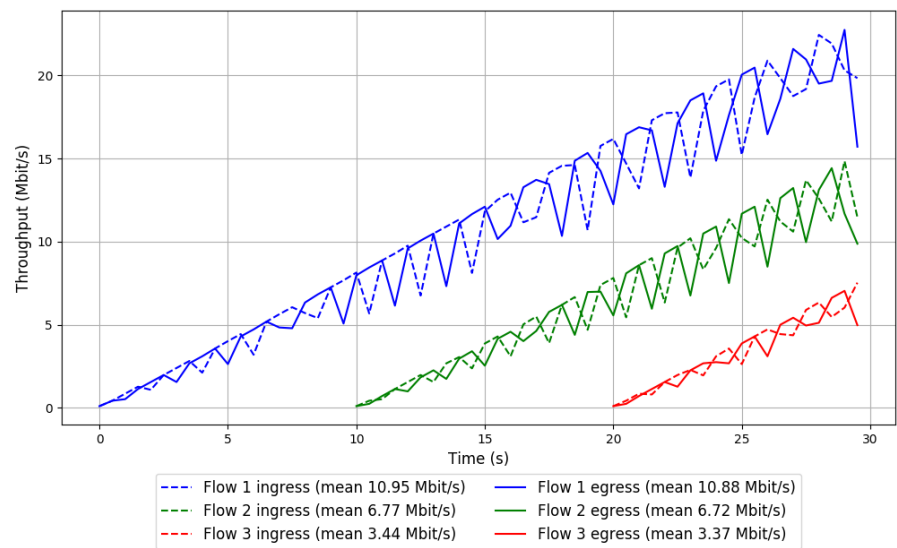


Run 1: Statistics of LEDBAT

Start at: 2018-02-04 17:39:20
End at: 2018-02-04 17:39:50
Local clock offset: -0.106 ms
Remote clock offset: -5.554 ms

Below is generated by plot.py at 2018-02-05 01:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 88.372 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 88.659 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 87.637 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 88.954 ms
Loss rate: 3.75%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-04 18:03:15

End at: 2018-02-04 18:03:45

Local clock offset: -0.026 ms

Remote clock offset: 0.633 ms

Below is generated by plot.py at 2018-02-05 01:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 83.303 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 10.35 Mbit/s

95th percentile per-packet one-way delay: 83.527 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 82.638 ms

Loss rate: 1.83%

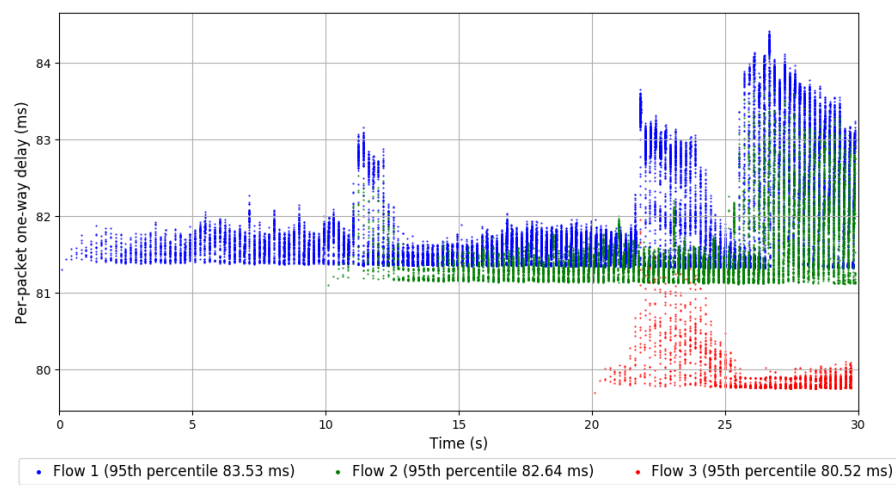
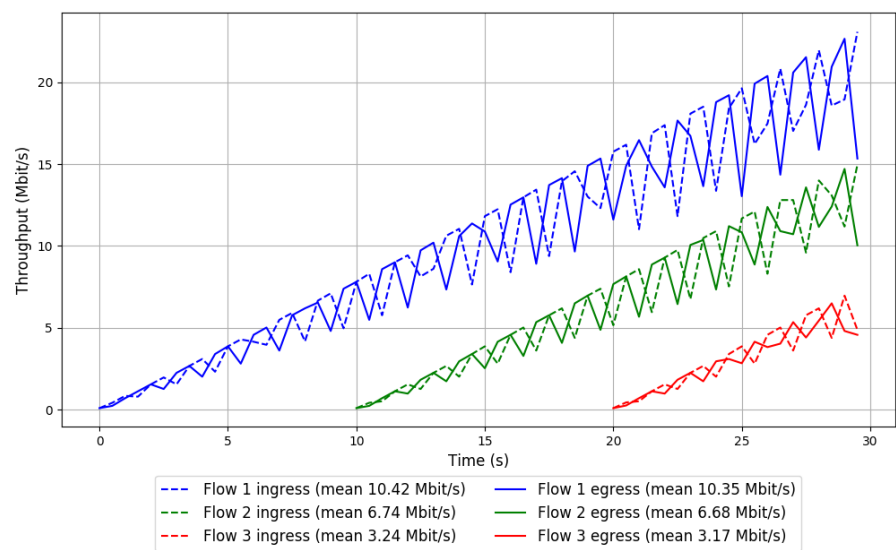
-- Flow 3:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 80.524 ms

Loss rate: 3.88%

Run 2: Report of LEDBAT — Data Link

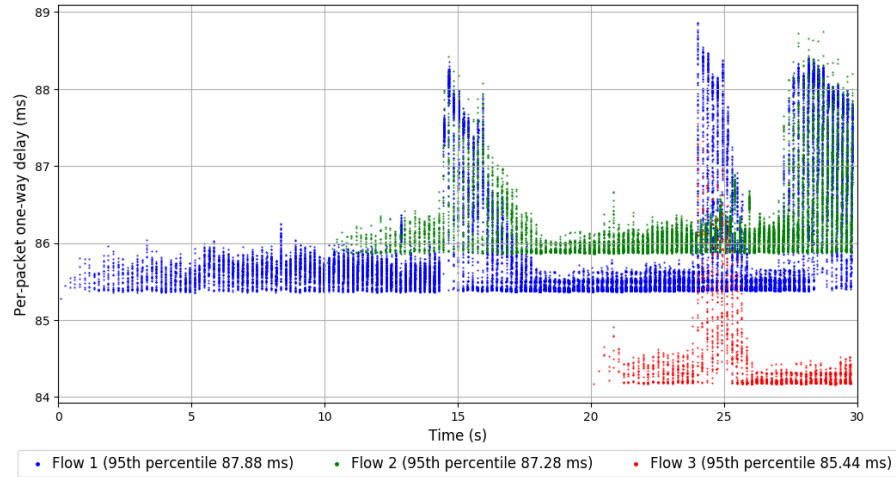
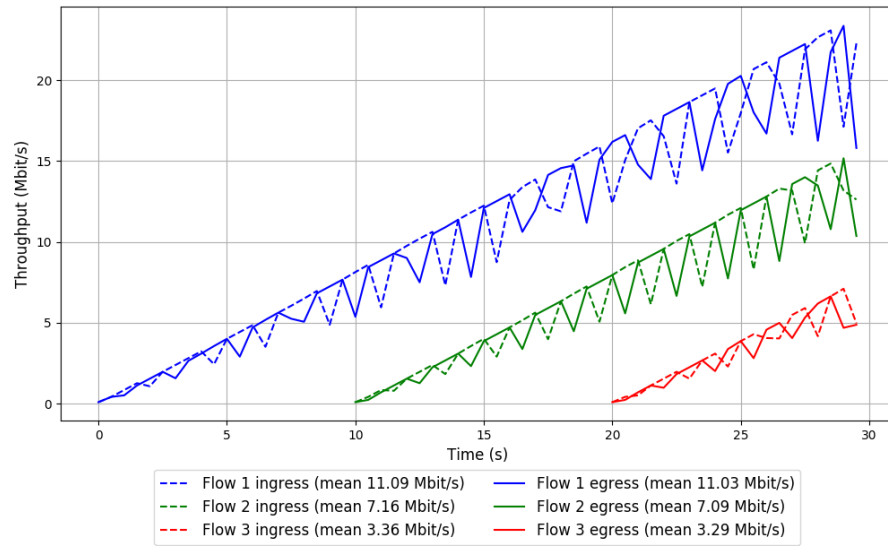


Run 3: Statistics of LEDBAT

Start at: 2018-02-04 18:27:21
End at: 2018-02-04 18:27:51
Local clock offset: -0.08 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-02-05 01:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 87.744 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 87.883 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 87.280 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 85.439 ms
Loss rate: 3.81%

Run 3: Report of LEDBAT — Data Link

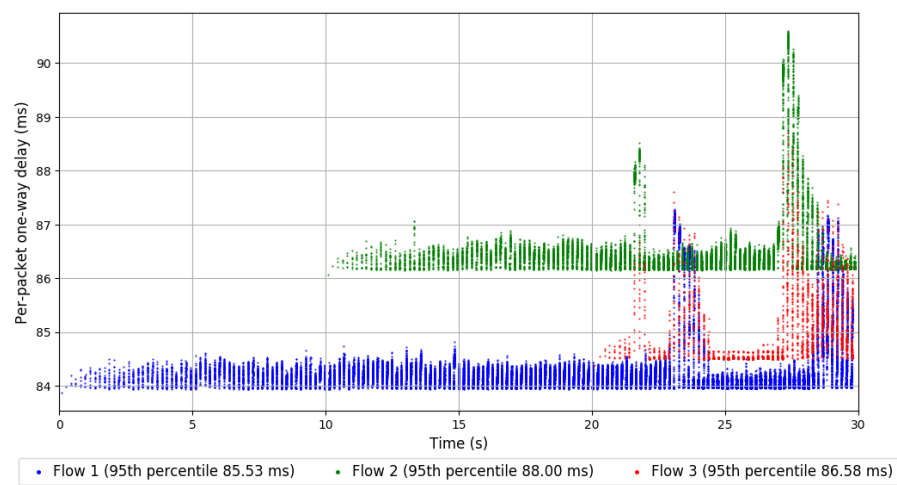
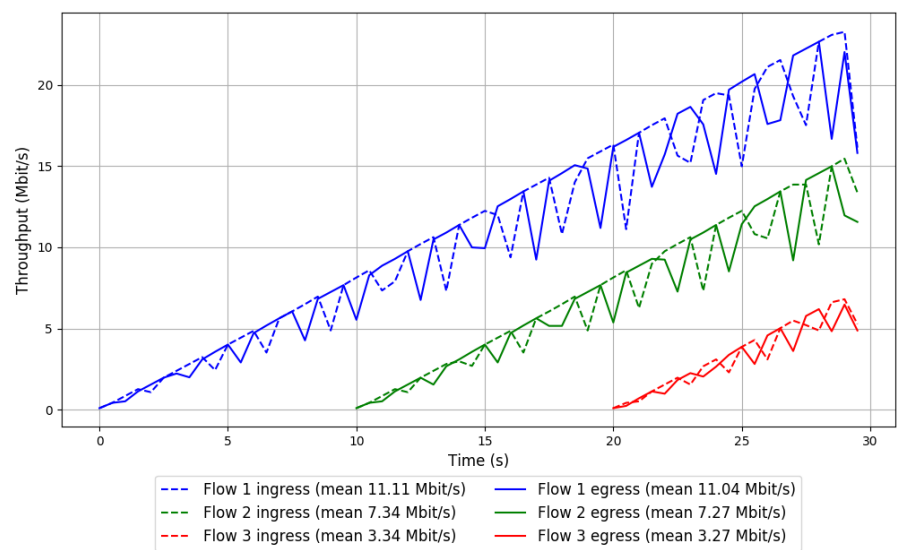


Run 4: Statistics of LEDBAT

Start at: 2018-02-04 18:51:28
End at: 2018-02-04 18:51:58
Local clock offset: -0.025 ms
Remote clock offset: -4.918 ms

Below is generated by plot.py at 2018-02-05 01:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.90 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 85.533 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 88.000 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 3.81%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-04 19:15:23

End at: 2018-02-04 19:15:53

Local clock offset: -0.115 ms

Remote clock offset: 1.591 ms

Below is generated by plot.py at 2018-02-05 01:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.46 Mbit/s

95th percentile per-packet one-way delay: 82.337 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 81.652 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 82.990 ms

Loss rate: 1.91%

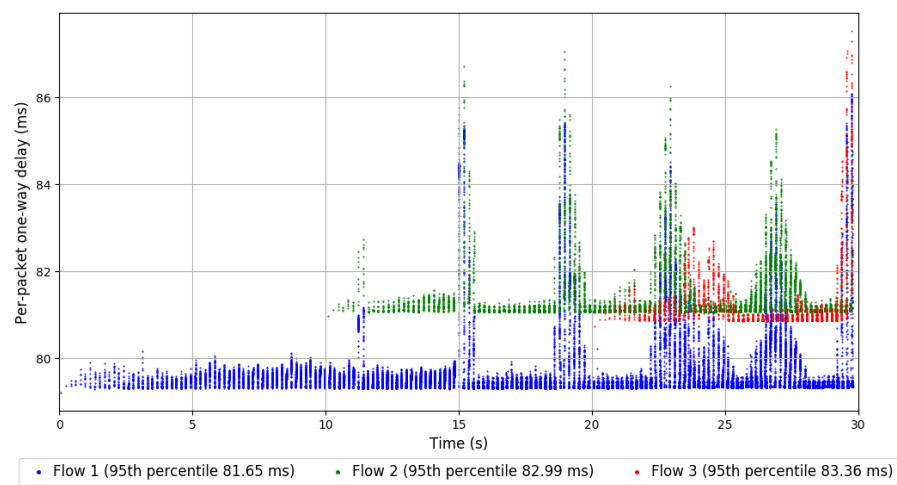
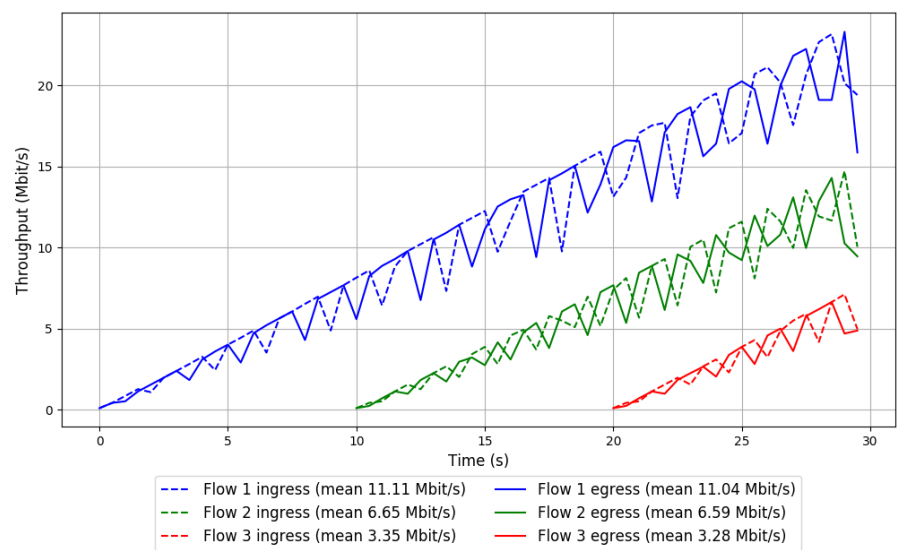
-- Flow 3:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 83.358 ms

Loss rate: 3.81%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-04 19:39:22

End at: 2018-02-04 19:39:52

Local clock offset: -0.077 ms

Remote clock offset: 3.93 ms

Below is generated by plot.py at 2018-02-05 01:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.70 Mbit/s

95th percentile per-packet one-way delay: 80.831 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 80.647 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 80.940 ms

Loss rate: 1.84%

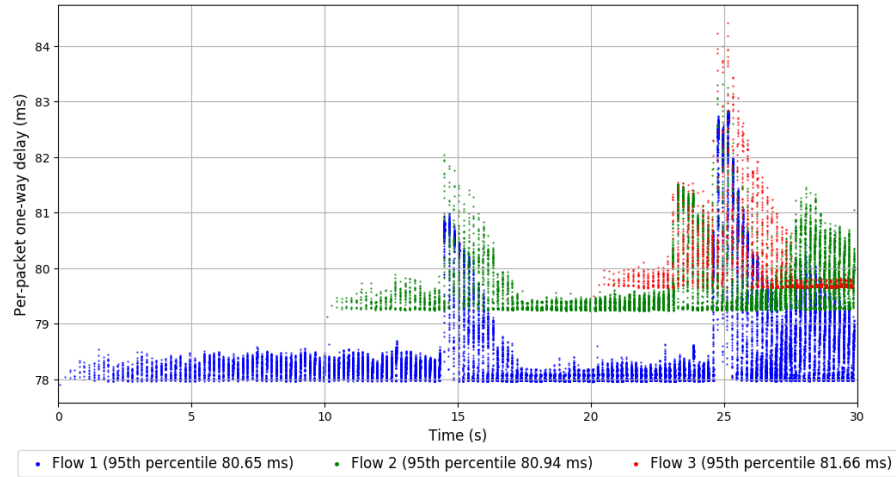
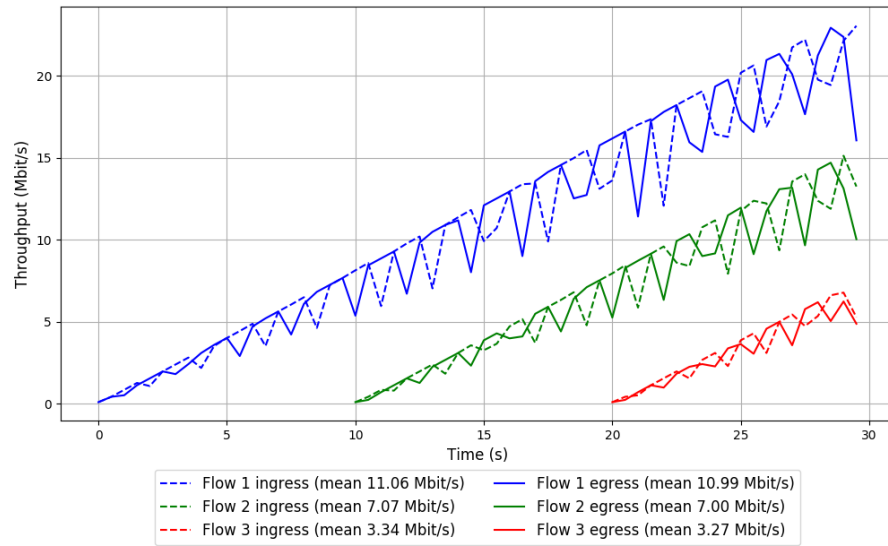
-- Flow 3:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 81.656 ms

Loss rate: 3.82%

Run 6: Report of LEDBAT — Data Link

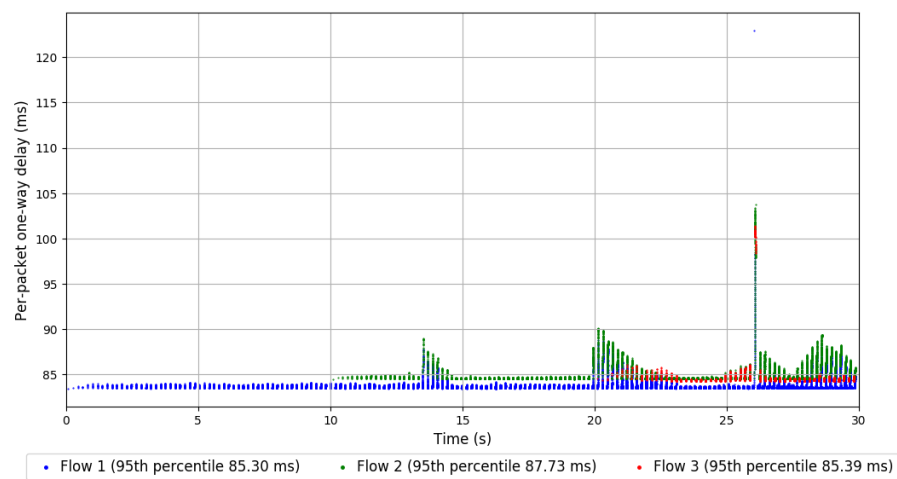
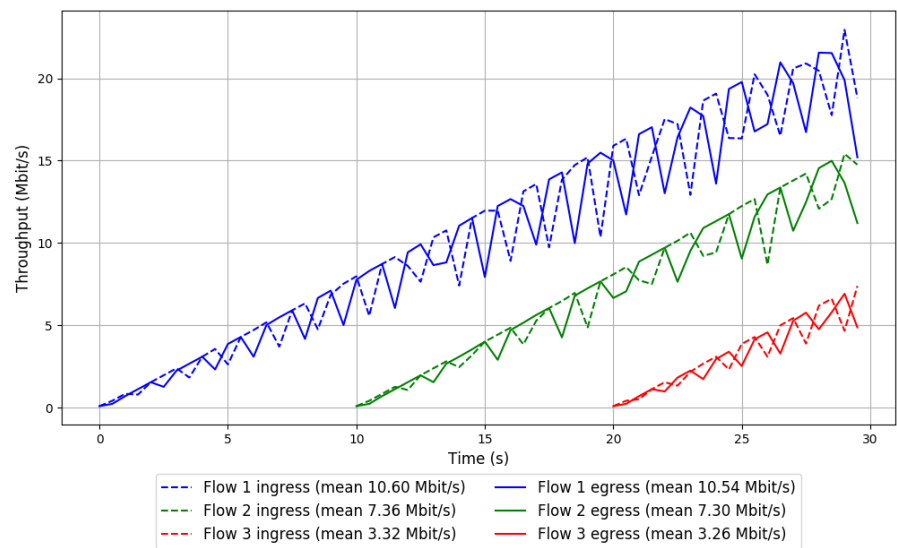


Run 7: Statistics of LEDBAT

Start at: 2018-02-04 20:03:09
End at: 2018-02-04 20:03:39
Local clock offset: -0.08 ms
Remote clock offset: -0.993 ms

Below is generated by plot.py at 2018-02-05 01:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 85.296 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 87.727 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 85.392 ms
Loss rate: 3.82%

Run 7: Report of LEDBAT — Data Link

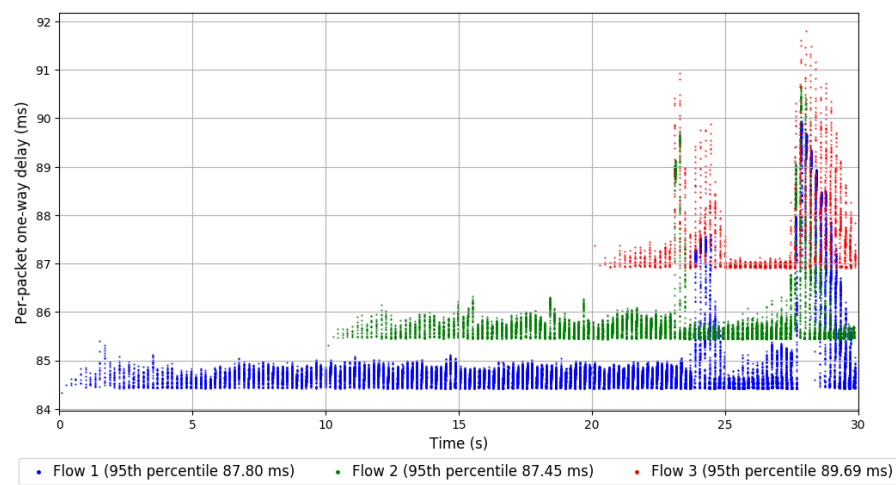
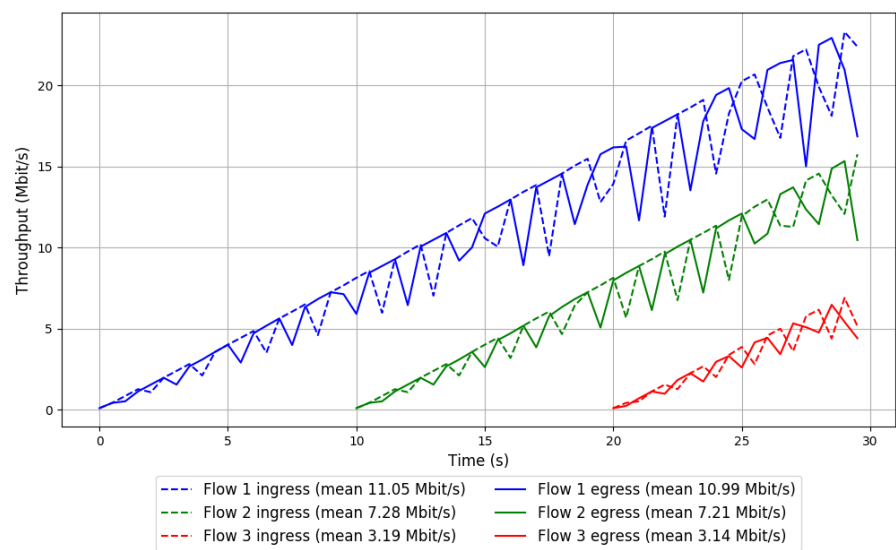


Run 8: Statistics of LEDBAT

Start at: 2018-02-04 20:27:04
End at: 2018-02-04 20:27:34
Local clock offset: -0.018 ms
Remote clock offset: -1.664 ms

Below is generated by plot.py at 2018-02-05 01:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 88.270 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 87.797 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 87.450 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 89.693 ms
Loss rate: 3.51%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-04 20:51:02

End at: 2018-02-04 20:51:32

Local clock offset: -0.016 ms

Remote clock offset: 3.252 ms

Below is generated by plot.py at 2018-02-05 01:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.73 Mbit/s

95th percentile per-packet one-way delay: 82.520 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 82.084 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 82.204 ms

Loss rate: 1.86%

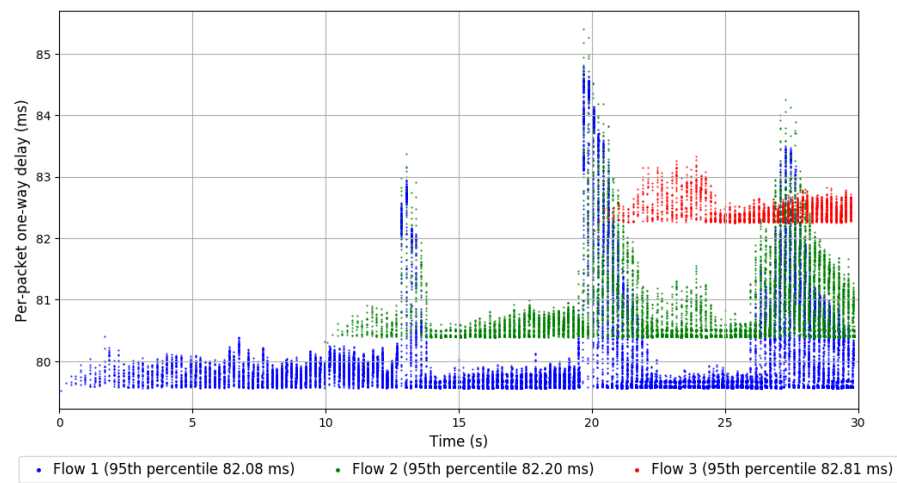
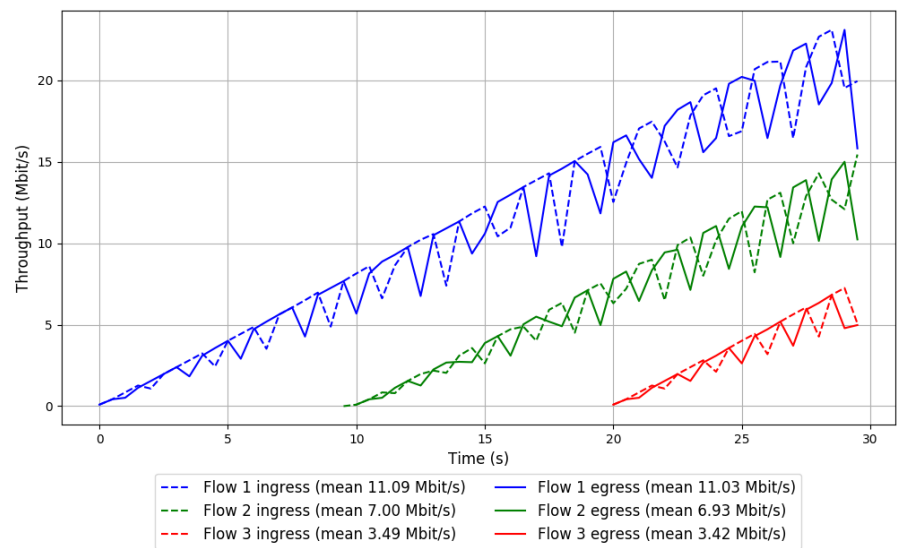
-- Flow 3:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 82.808 ms

Loss rate: 3.73%

Run 9: Report of LEDBAT — Data Link

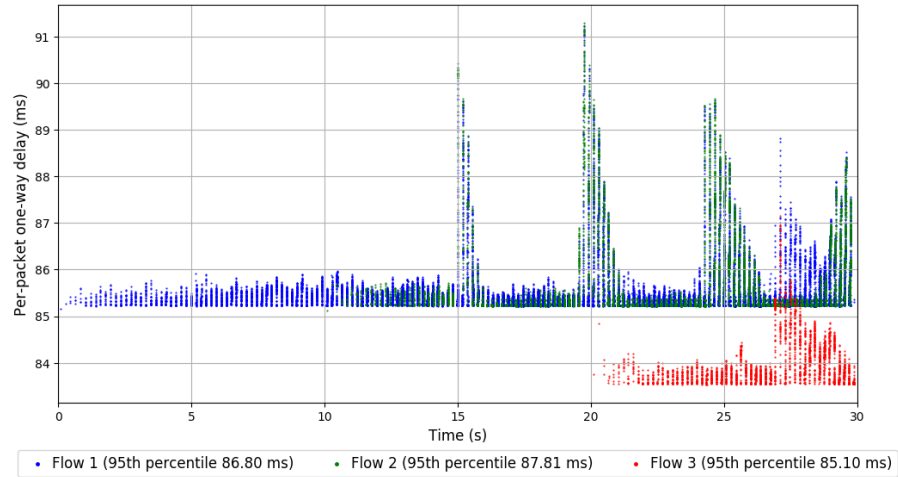
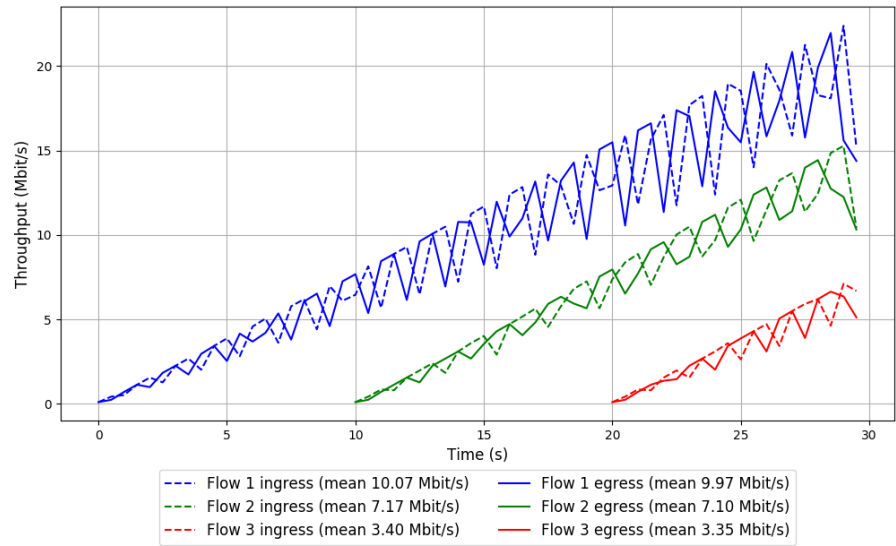


Run 10: Statistics of LEDBAT

Start at: 2018-02-04 21:14:49
End at: 2018-02-04 21:15:19
Local clock offset: -0.093 ms
Remote clock offset: -0.676 ms

Below is generated by plot.py at 2018-02-05 01:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 87.180 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 86.799 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 85.098 ms
Loss rate: 3.43%

Run 10: Report of LEDBAT — Data Link

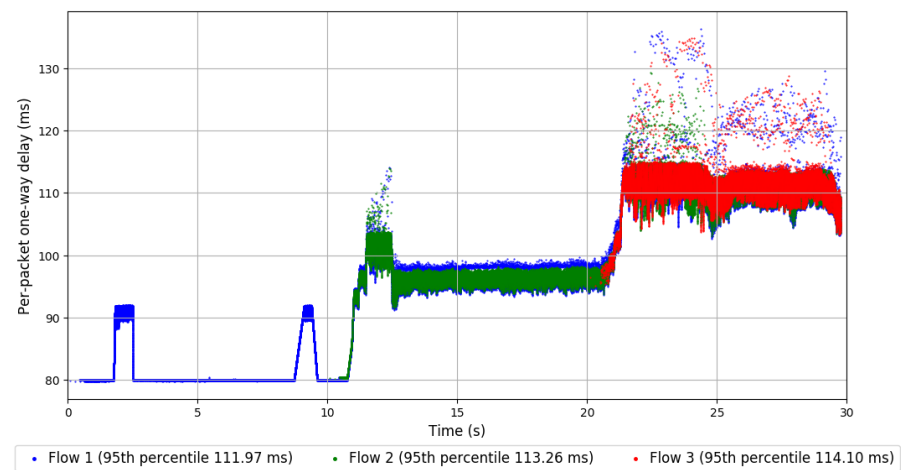
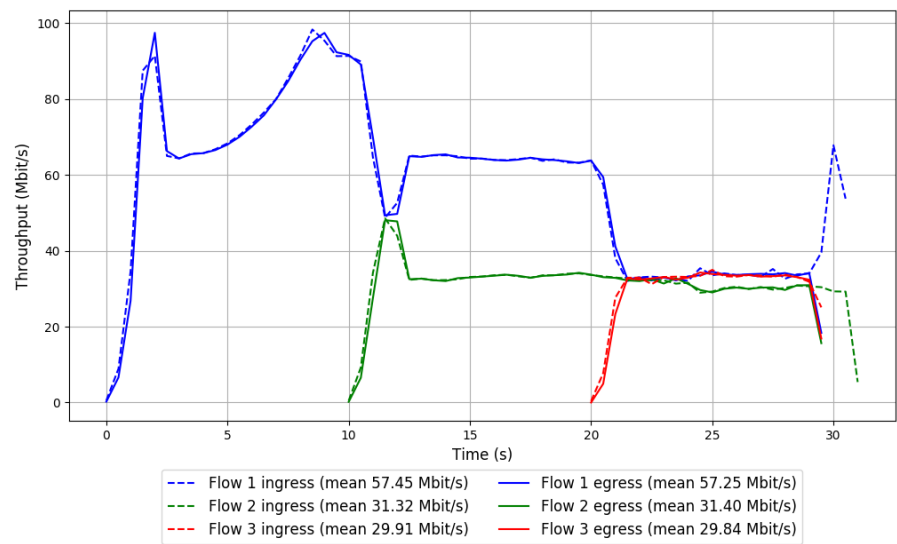


```
Run 1: Statistics of PCC

Start at: 2018-02-04 17:38:01
End at: 2018-02-04 17:38:31
Local clock offset: -0.06 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-02-05 01:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 112.943 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 111.965 ms
Loss rate: 4.22%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 113.262 ms
Loss rate: 6.45%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 114.101 ms
Loss rate: 2.58%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-04 18:01:56

End at: 2018-02-04 18:02:26

Local clock offset: -0.013 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-02-05 01:28:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 112.725 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 112.045 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 1.12%

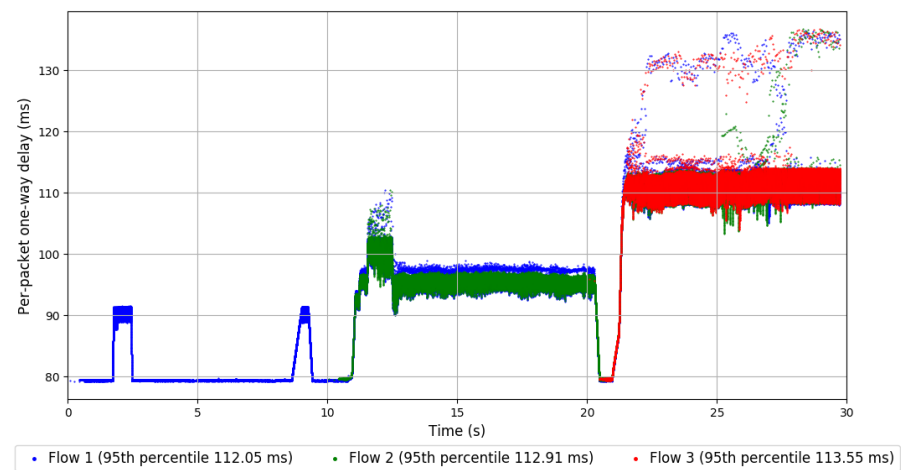
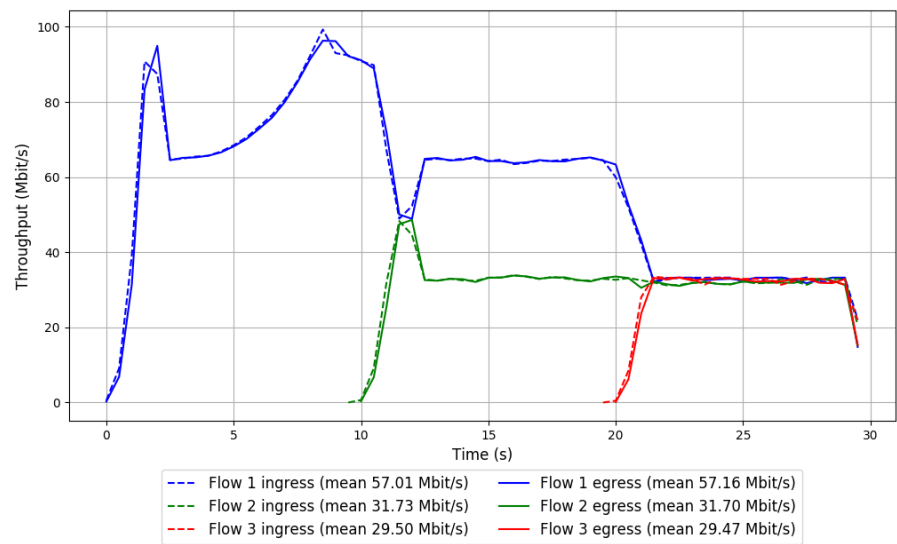
-- Flow 3:

Average throughput: 29.47 Mbit/s

95th percentile per-packet one-way delay: 113.548 ms

Loss rate: 2.27%

Run 2: Report of PCC — Data Link

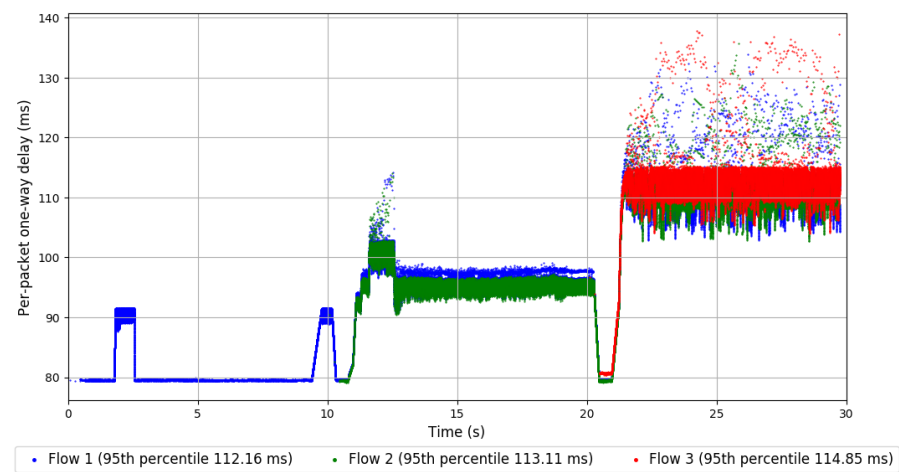
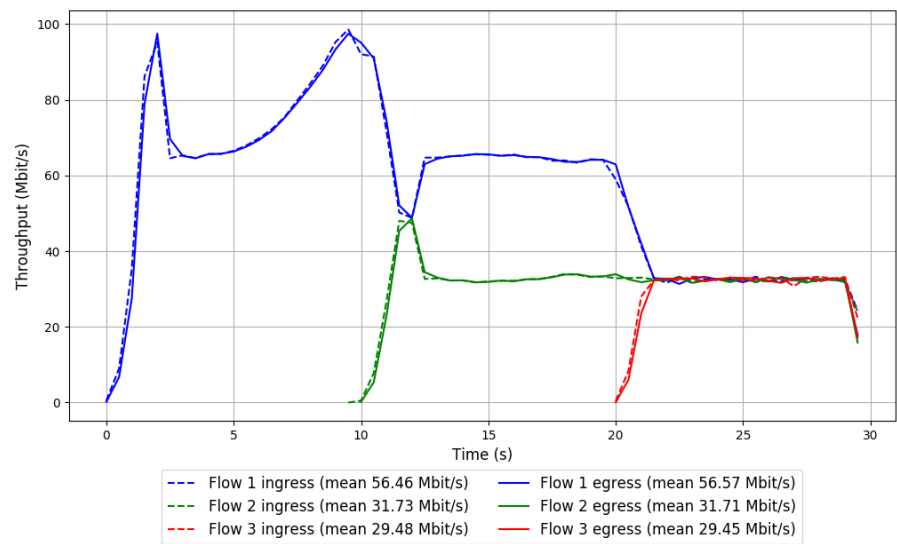


Run 3: Statistics of PCC

Start at: 2018-02-04 18:26:02
End at: 2018-02-04 18:26:32
Local clock offset: -0.025 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-02-05 01:28:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 113.403 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 112.161 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 113.112 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 114.846 ms
Loss rate: 2.27%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-04 18:50:10

End at: 2018-02-04 18:50:40

Local clock offset: -0.034 ms

Remote clock offset: 0.747 ms

Below is generated by plot.py at 2018-02-05 01:28:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.39 Mbit/s

95th percentile per-packet one-way delay: 80.013 ms

Loss rate: 2.43%

-- Flow 1:

Average throughput: 71.66 Mbit/s

95th percentile per-packet one-way delay: 79.977 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 80.155 ms

Loss rate: 2.80%

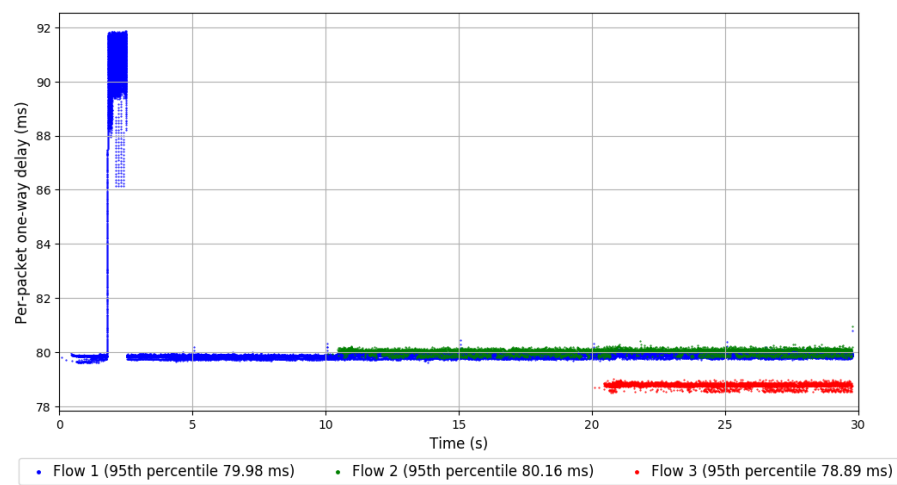
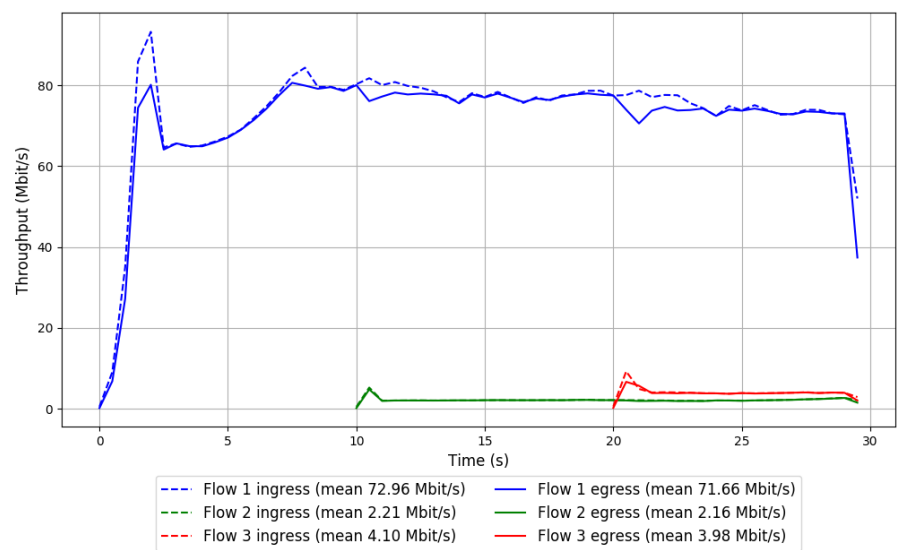
-- Flow 3:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 78.891 ms

Loss rate: 4.68%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-04 19:14:03

End at: 2018-02-04 19:14:33

Local clock offset: -0.124 ms

Remote clock offset: 2.324 ms

Below is generated by plot.py at 2018-02-05 01:28:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 113.643 ms

Loss rate: 4.69%

-- Flow 1:

Average throughput: 56.42 Mbit/s

95th percentile per-packet one-way delay: 112.238 ms

Loss rate: 3.77%

-- Flow 2:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 115.066 ms

Loss rate: 7.86%

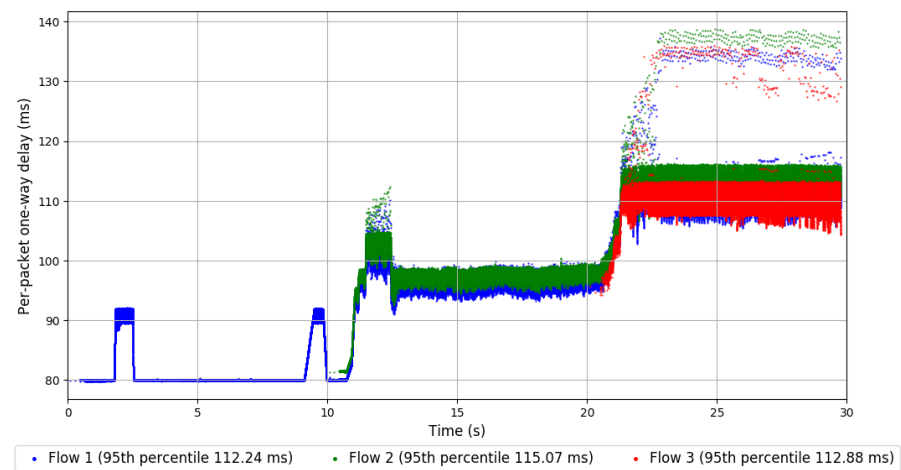
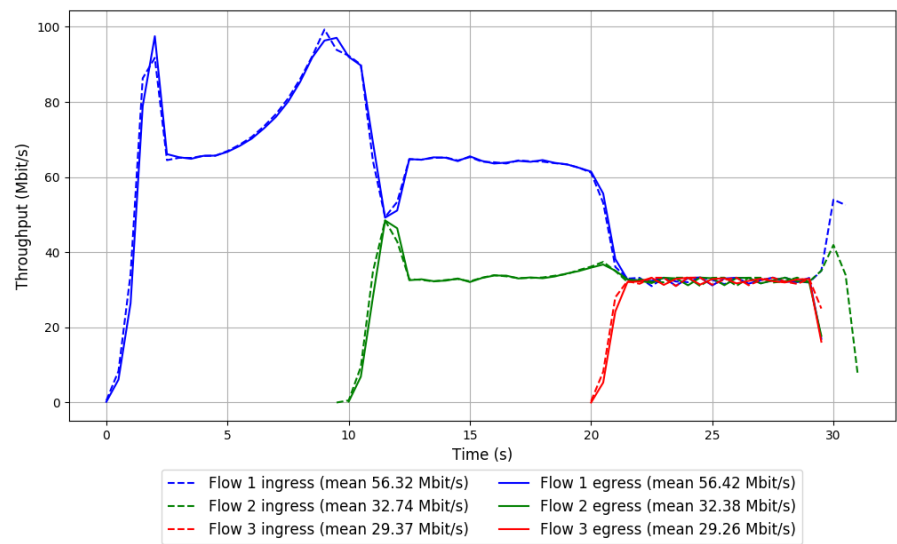
-- Flow 3:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 112.878 ms

Loss rate: 2.67%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-04 19:38:03

End at: 2018-02-04 19:38:33

Local clock offset: -0.062 ms

Remote clock offset: 3.196 ms

Below is generated by plot.py at 2018-02-05 01:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 112.290 ms

Loss rate: 4.67%

-- Flow 1:

Average throughput: 56.59 Mbit/s

95th percentile per-packet one-way delay: 111.702 ms

Loss rate: 3.76%

-- Flow 2:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 112.561 ms

Loss rate: 7.86%

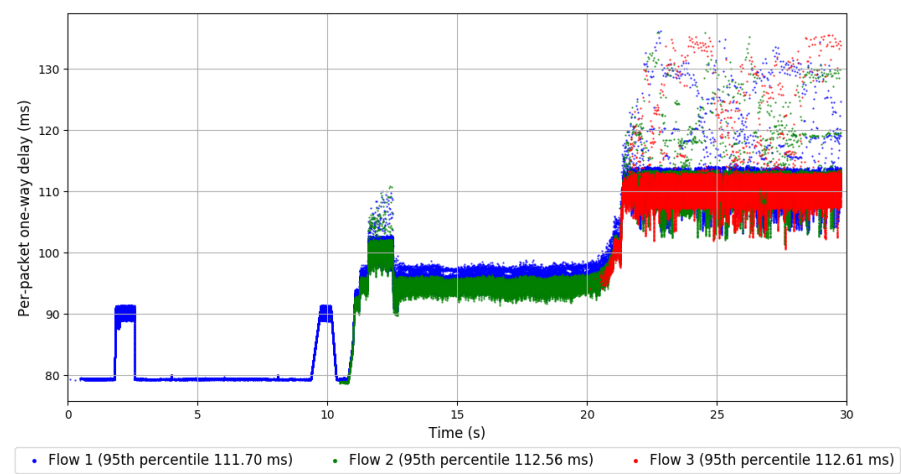
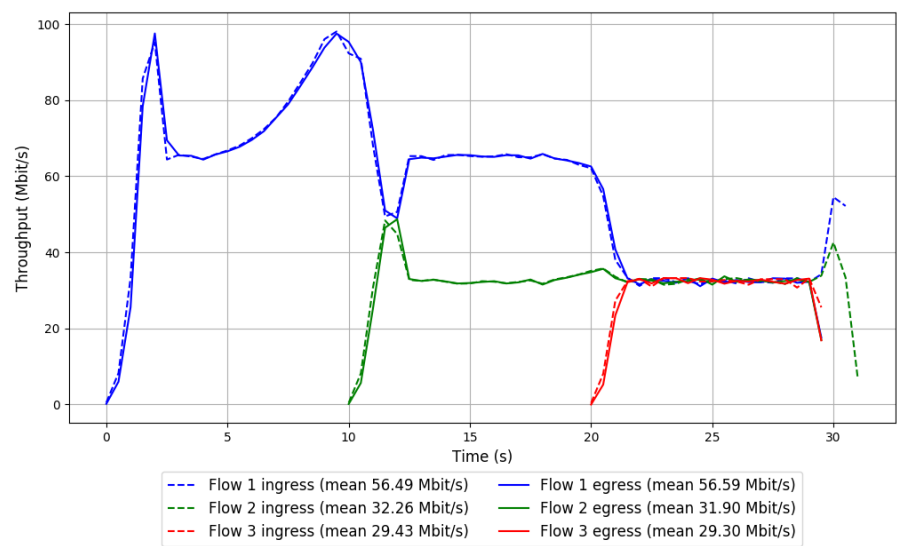
-- Flow 3:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 112.613 ms

Loss rate: 2.64%

Run 6: Report of PCC — Data Link

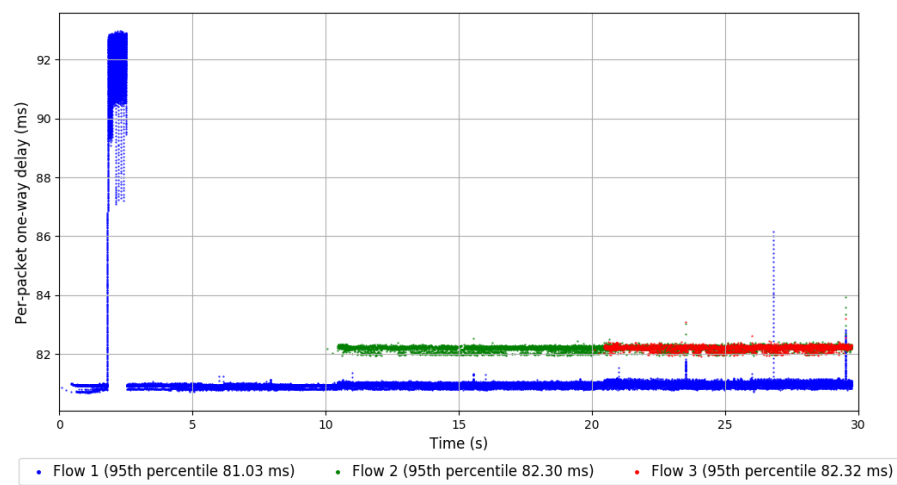
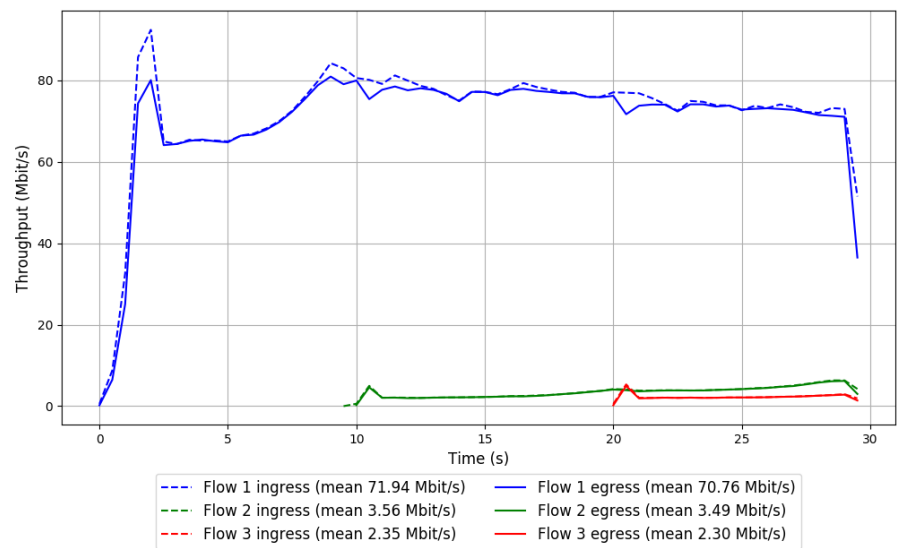


Run 7: Statistics of PCC

Start at: 2018-02-04 20:01:51
End at: 2018-02-04 20:02:21
Local clock offset: -0.055 ms
Remote clock offset: 2.861 ms

Below is generated by plot.py at 2018-02-05 01:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.82 Mbit/s
95th percentile per-packet one-way delay: 82.211 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 81.028 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 82.302 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 82.318 ms
Loss rate: 3.83%

Run 7: Report of PCC — Data Link

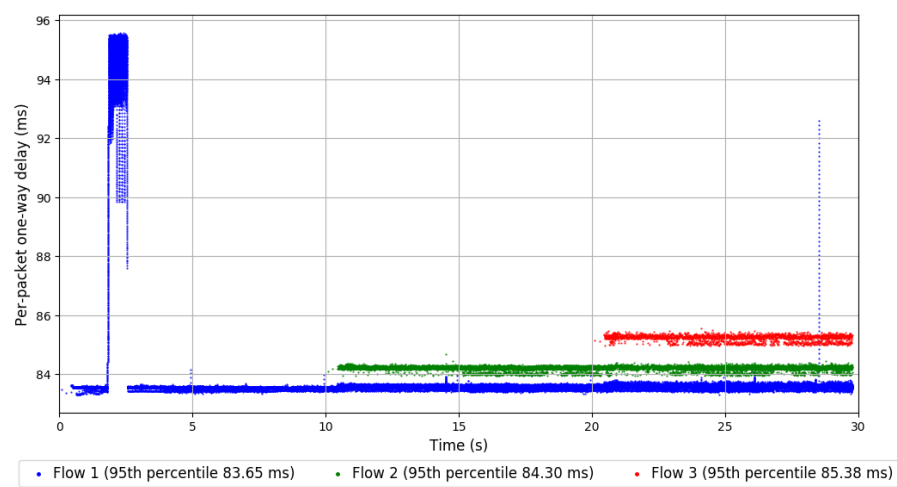
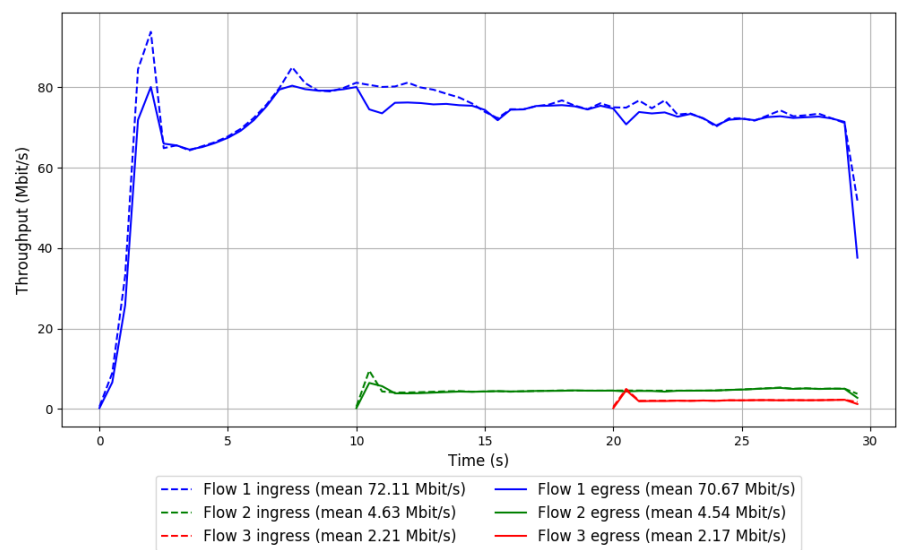


Run 8: Statistics of PCC

Start at: 2018-02-04 20:25:46
End at: 2018-02-04 20:26:16
Local clock offset: -0.102 ms
Remote clock offset: -0.862 ms

Below is generated by plot.py at 2018-02-05 01:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 84.267 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 83.650 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 84.302 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 85.375 ms
Loss rate: 3.61%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-04 20:49:44

End at: 2018-02-04 20:50:14

Local clock offset: -0.049 ms

Remote clock offset: 4.893 ms

Below is generated by plot.py at 2018-02-05 01:29:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 112.471 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 56.86 Mbit/s

95th percentile per-packet one-way delay: 110.974 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 113.167 ms

Loss rate: 2.69%

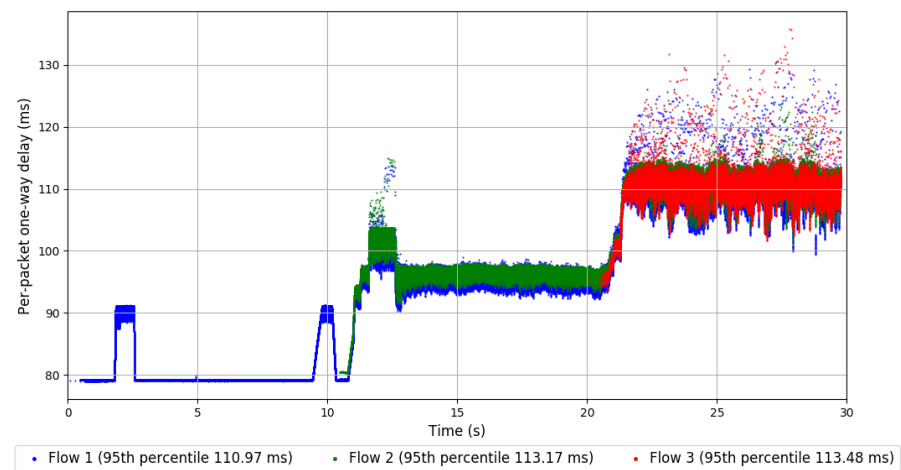
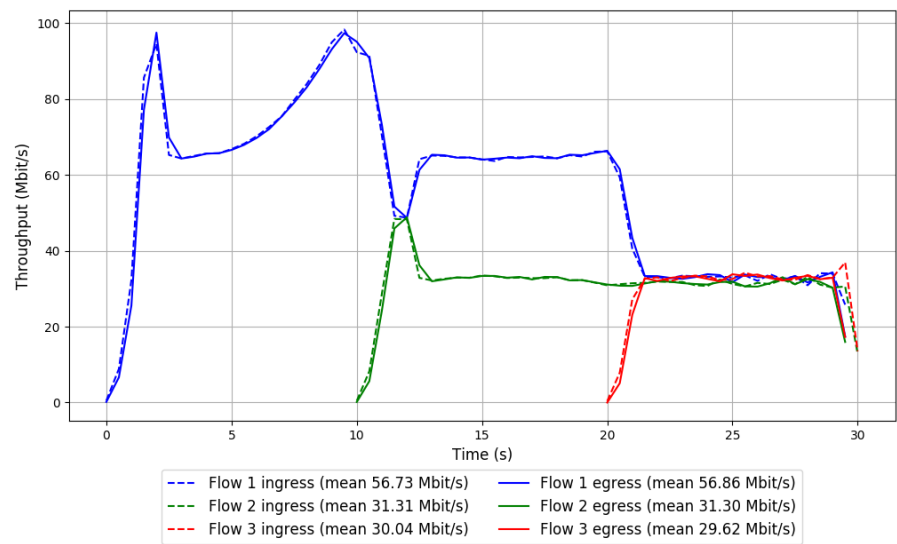
-- Flow 3:

Average throughput: 29.62 Mbit/s

95th percentile per-packet one-way delay: 113.476 ms

Loss rate: 6.66%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-04 21:13:31

End at: 2018-02-04 21:14:01

Local clock offset: -0.075 ms

Remote clock offset: 3.309 ms

Below is generated by plot.py at 2018-02-05 01:29:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.21 Mbit/s

95th percentile per-packet one-way delay: 82.289 ms

Loss rate: 2.59%

-- Flow 1:

Average throughput: 70.93 Mbit/s

95th percentile per-packet one-way delay: 80.517 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 82.439 ms

Loss rate: 3.38%

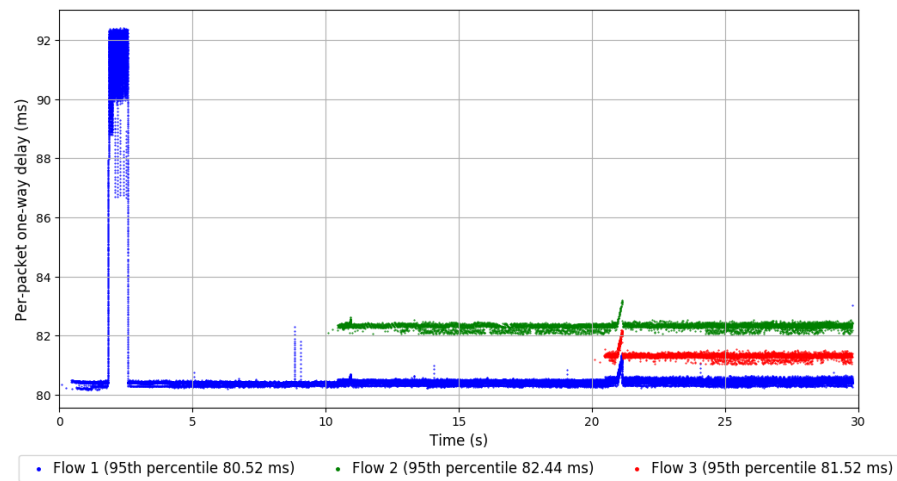
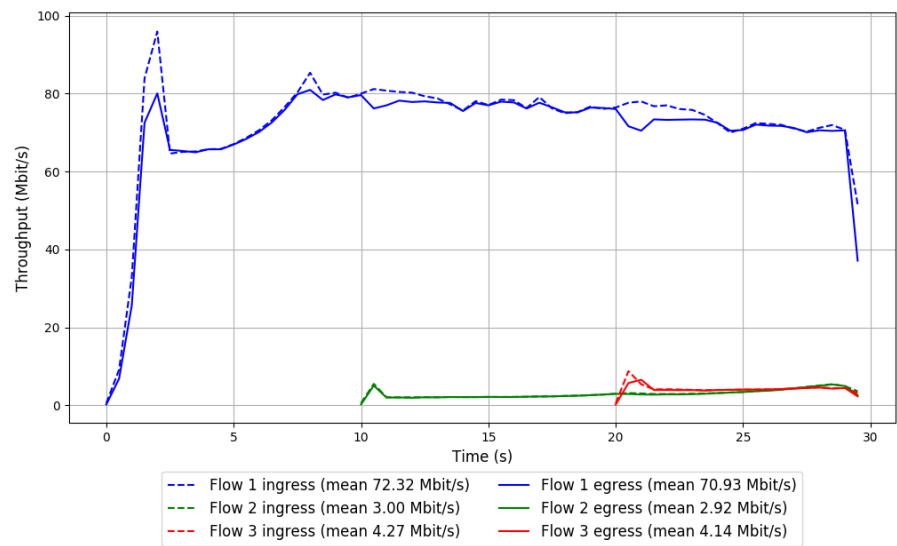
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 81.516 ms

Loss rate: 4.88%

Run 10: Report of PCC — Data Link

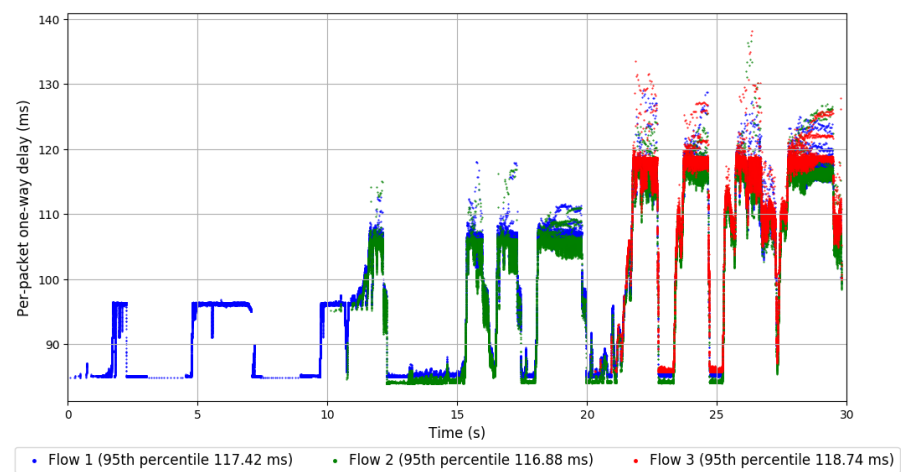
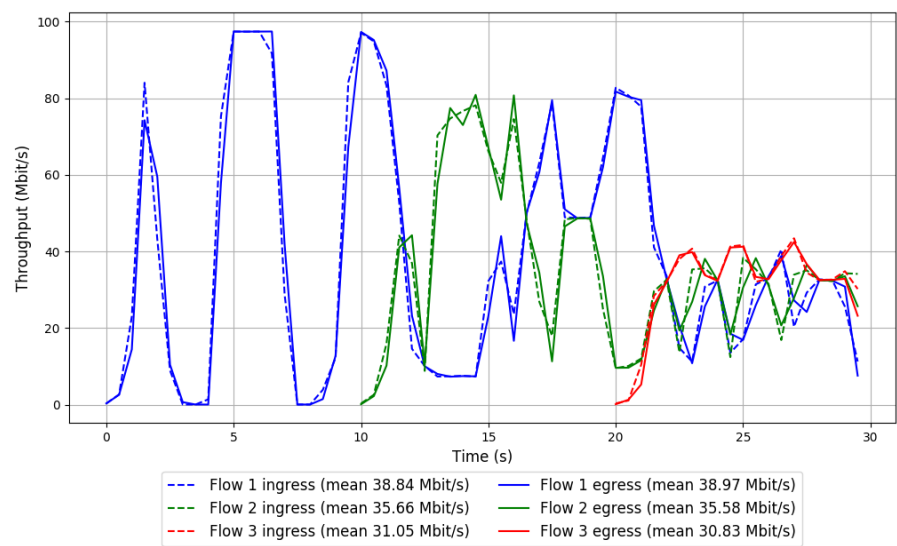


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-04 17:43:14
End at: 2018-02-04 17:43:44
Local clock offset: -0.103 ms
Remote clock offset: -5.479 ms

Below is generated by plot.py at 2018-02-05 01:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 118.086 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 117.421 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 116.877 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 118.738 ms
Loss rate: 2.68%

Run 1: Report of QUIC Cubic — Data Link

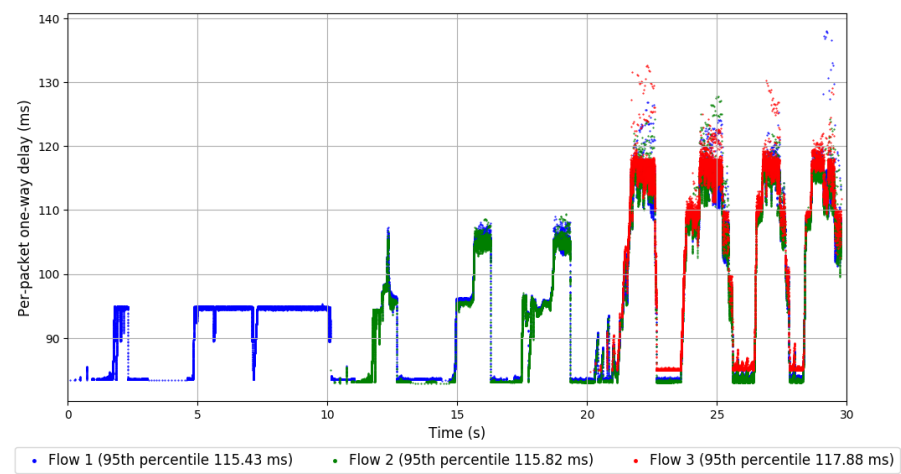
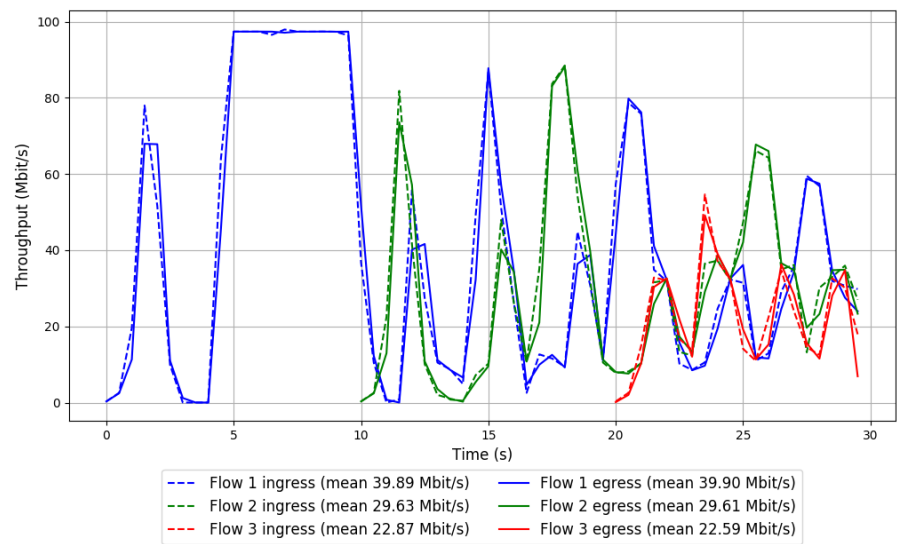


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-04 18:07:10
End at: 2018-02-04 18:07:40
Local clock offset: -0.008 ms
Remote clock offset: -4.778 ms

Below is generated by plot.py at 2018-02-05 01:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 116.277 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 115.434 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 115.816 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 22.59 Mbit/s
95th percentile per-packet one-way delay: 117.880 ms
Loss rate: 3.11%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-04 18:31:31

End at: 2018-02-04 18:32:01

Local clock offset: -0.023 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-02-05 01:29:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.67 Mbit/s

95th percentile per-packet one-way delay: 91.359 ms

Loss rate: 2.41%

-- Flow 1:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 90.796 ms

Loss rate: 1.76%

-- Flow 2:

Average throughput: 18.81 Mbit/s

95th percentile per-packet one-way delay: 78.991 ms

Loss rate: 1.40%

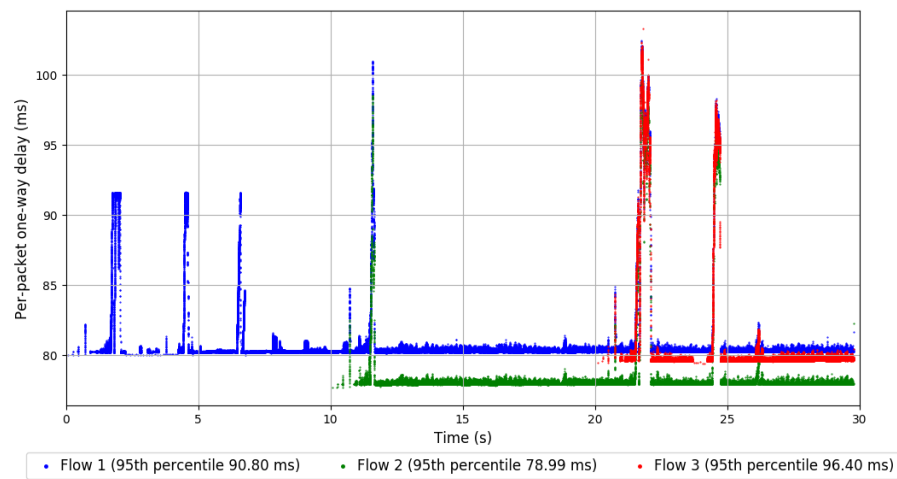
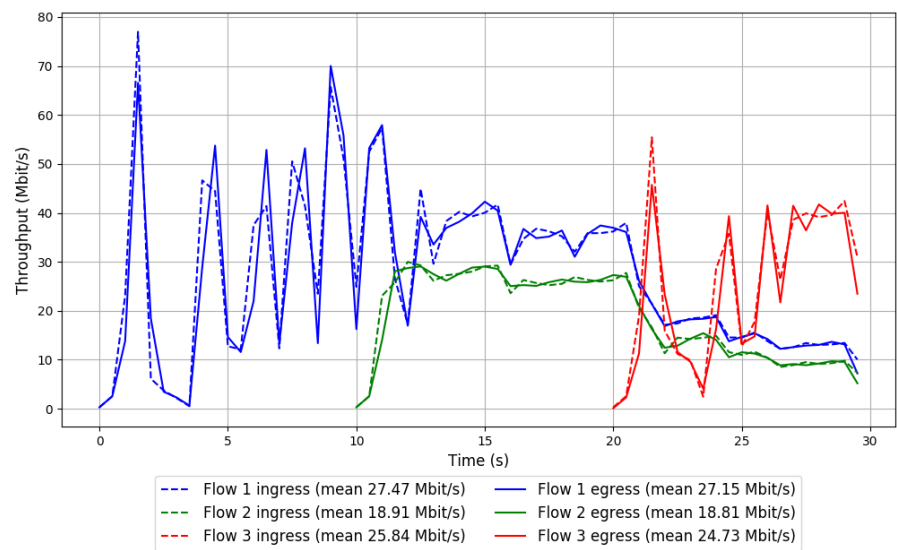
-- Flow 3:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 96.399 ms

Loss rate: 6.03%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-04 18:55:25

End at: 2018-02-04 18:55:55

Local clock offset: -0.037 ms

Remote clock offset: 1.14 ms

Below is generated by plot.py at 2018-02-05 01:29:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.15 Mbit/s

95th percentile per-packet one-way delay: 104.512 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 102.996 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 104.649 ms

Loss rate: 1.71%

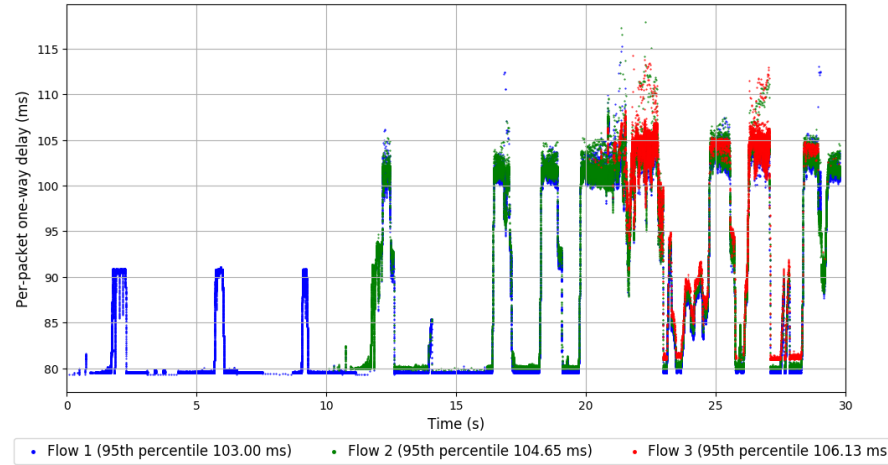
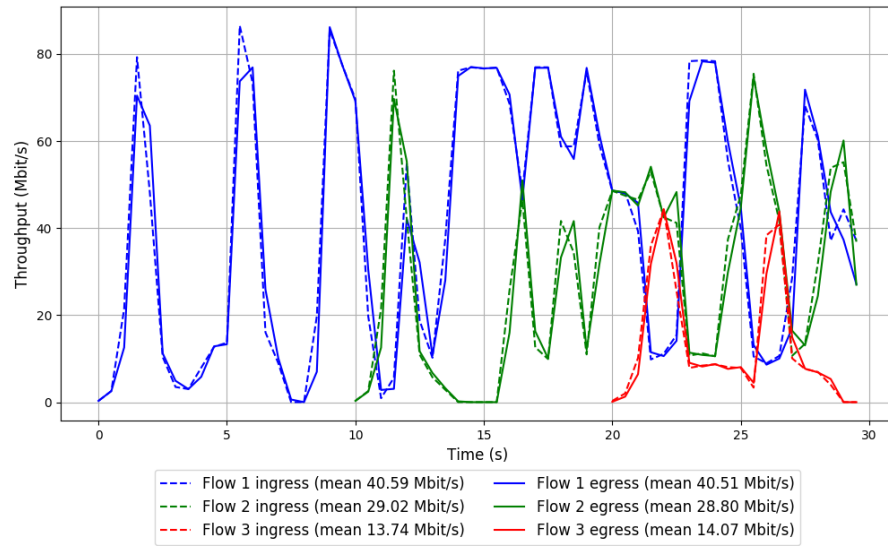
-- Flow 3:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 106.130 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-04 19:19:20

End at: 2018-02-04 19:19:50

Local clock offset: -0.054 ms

Remote clock offset: 3.589 ms

Below is generated by plot.py at 2018-02-05 01:29:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.71 Mbit/s

95th percentile per-packet one-way delay: 112.891 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 40.75 Mbit/s

95th percentile per-packet one-way delay: 112.667 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 111.975 ms

Loss rate: 1.31%

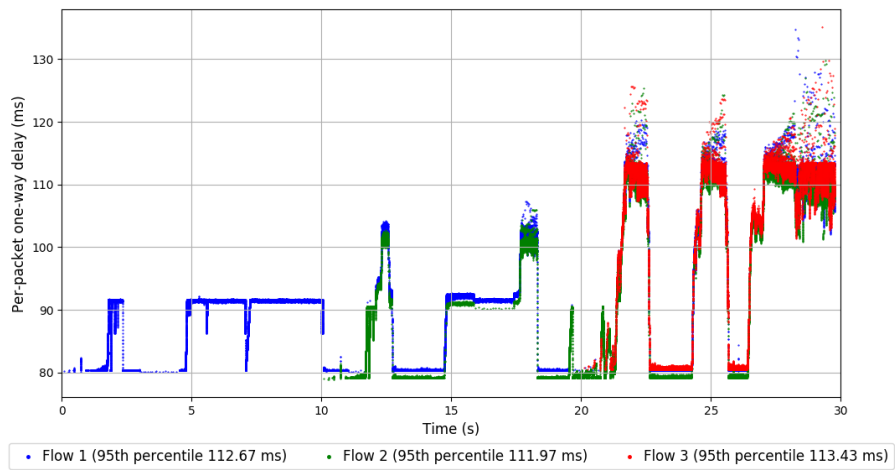
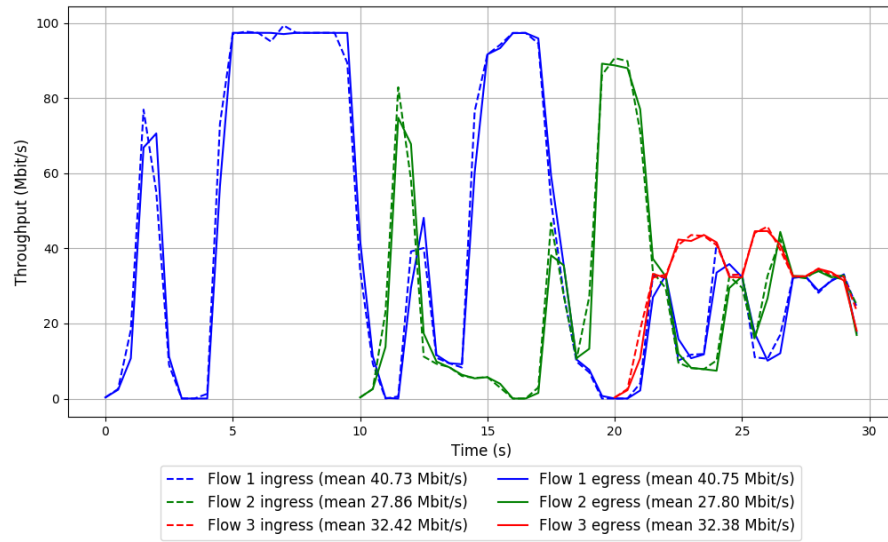
-- Flow 3:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 113.428 ms

Loss rate: 2.06%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-04 19:43:18

End at: 2018-02-04 19:43:48

Local clock offset: -0.083 ms

Remote clock offset: 3.228 ms

Below is generated by plot.py at 2018-02-05 01:29:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.07 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 113.270 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 114.168 ms

Loss rate: 1.36%

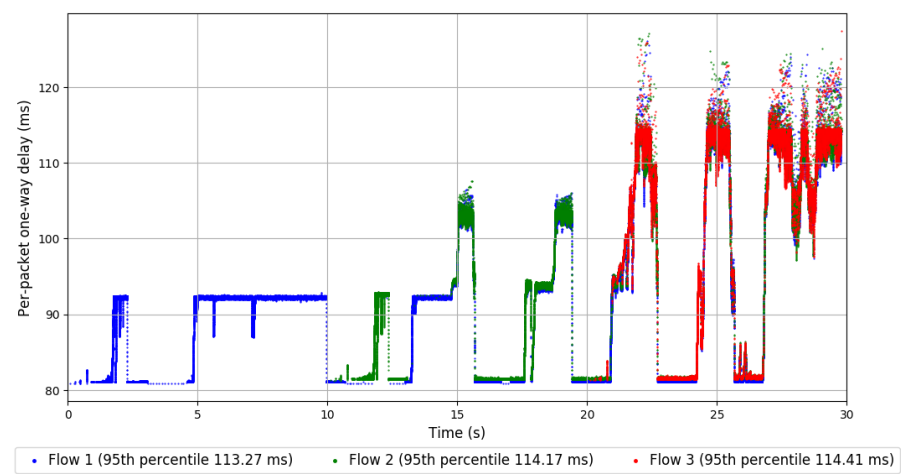
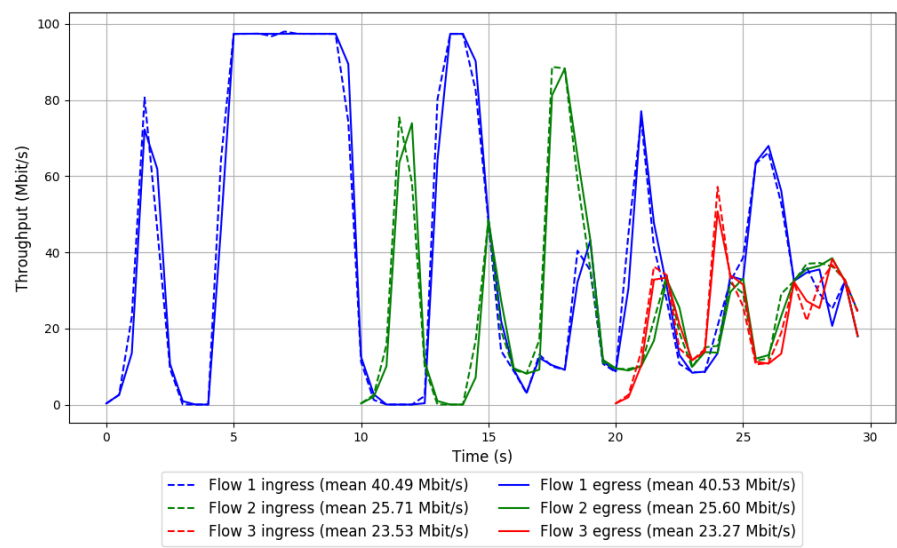
-- Flow 3:

Average throughput: 23.27 Mbit/s

95th percentile per-packet one-way delay: 114.408 ms

Loss rate: 2.97%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-04 20:07:06

End at: 2018-02-04 20:07:36

Local clock offset: -0.044 ms

Remote clock offset: 3.812 ms

Below is generated by plot.py at 2018-02-05 01:30:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 102.385 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 102.446 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 102.413 ms

Loss rate: 2.66%

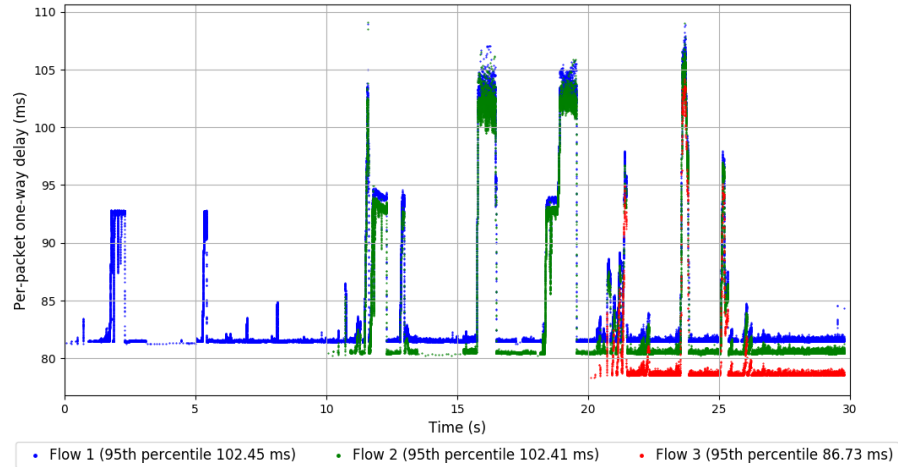
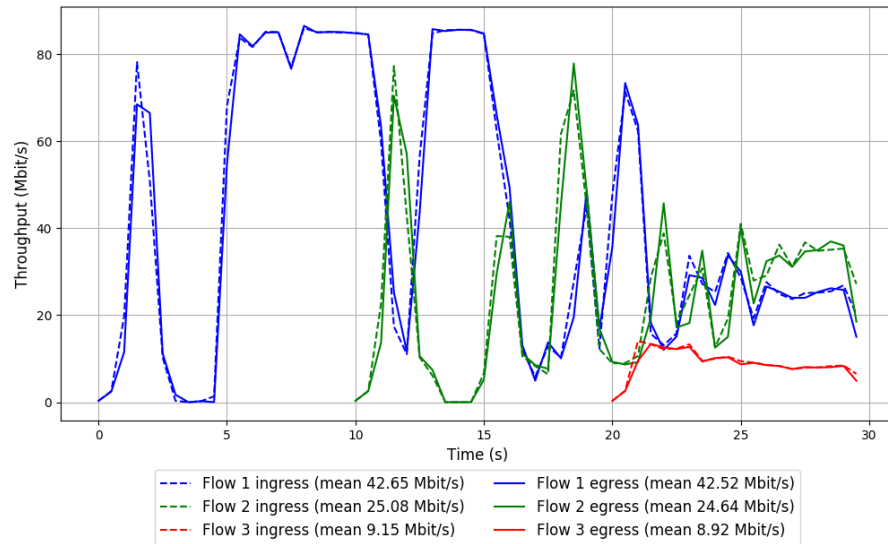
-- Flow 3:

Average throughput: 8.92 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 4.27%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-04 20:31:02

End at: 2018-02-04 20:31:32

Local clock offset: -0.088 ms

Remote clock offset: 3.196 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.47 Mbit/s

95th percentile per-packet one-way delay: 113.579 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 113.484 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 25.91 Mbit/s

95th percentile per-packet one-way delay: 113.672 ms

Loss rate: 1.16%

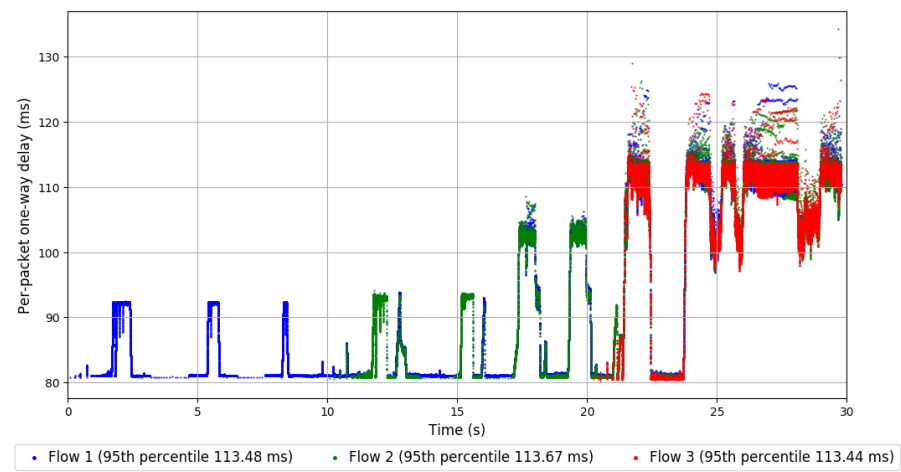
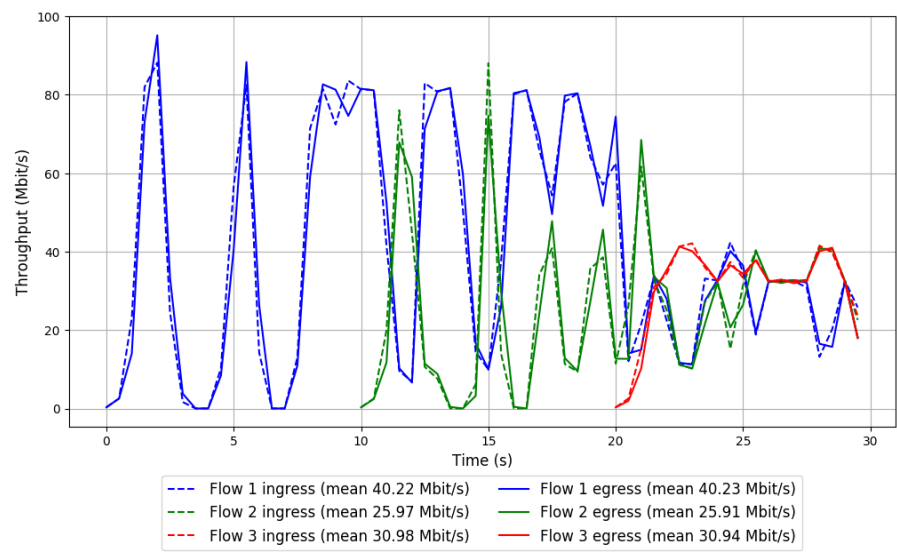
-- Flow 3:

Average throughput: 30.94 Mbit/s

95th percentile per-packet one-way delay: 113.436 ms

Loss rate: 2.14%

Run 8: Report of QUIC Cubic — Data Link

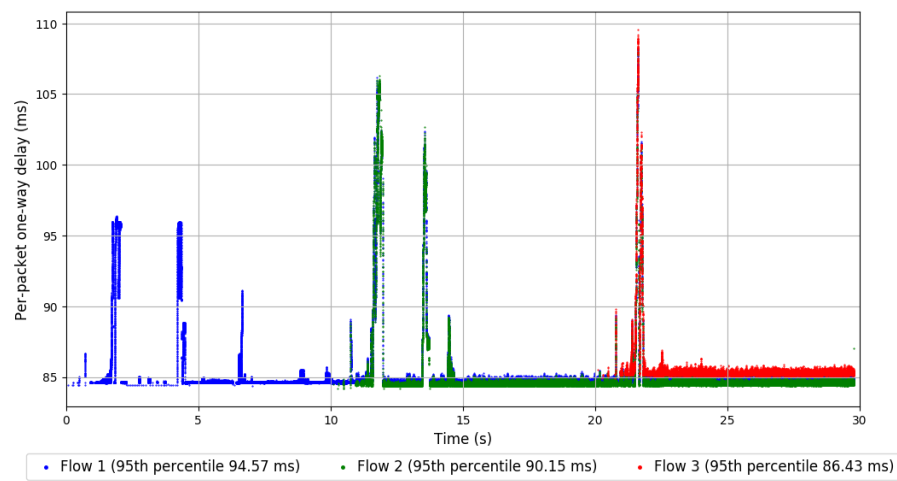
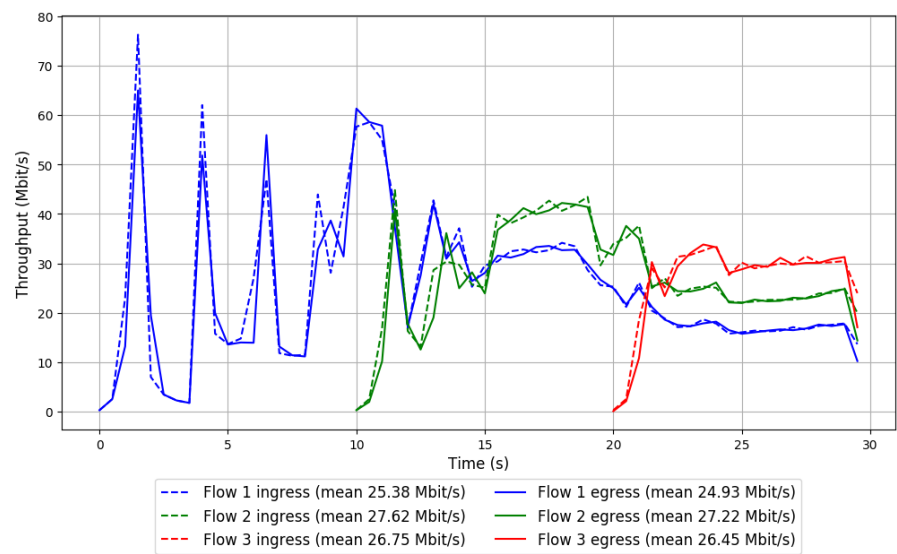


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-04 20:54:59
End at: 2018-02-04 20:55:29
Local clock offset: -0.026 ms
Remote clock offset: -0.769 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 92.908 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 94.572 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 90.151 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 86.433 ms
Loss rate: 2.96%

Run 9: Report of QUIC Cubic — Data Link

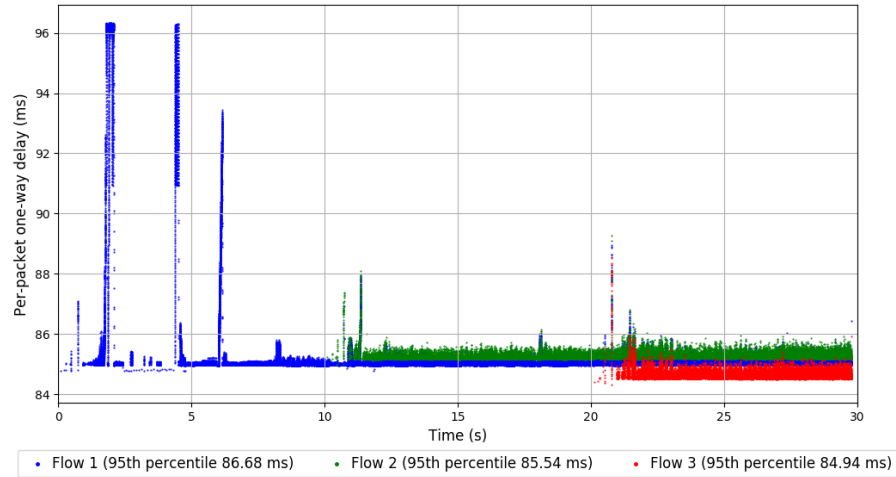
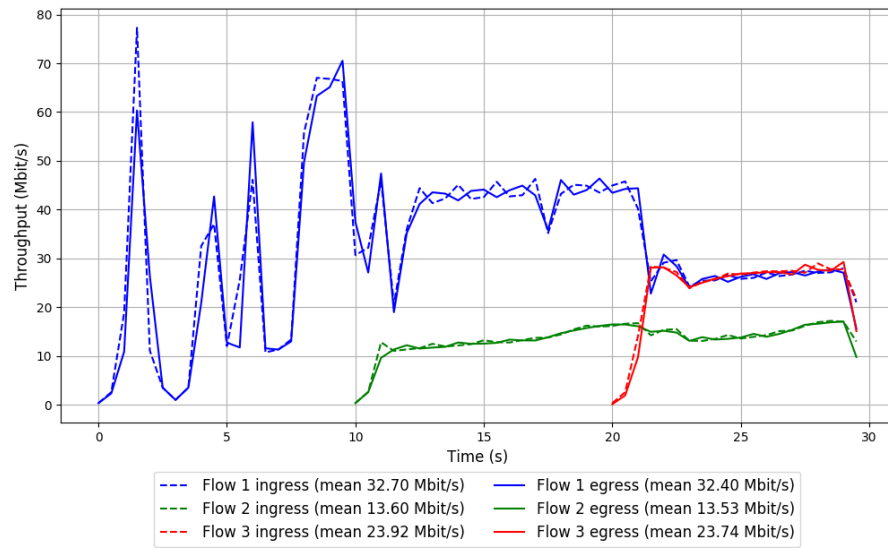


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-04 21:18:47
End at: 2018-02-04 21:19:17
Local clock offset: -0.092 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.09 Mbit/s
95th percentile per-packet one-way delay: 85.610 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 86.678 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 85.541 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 84.941 ms
Loss rate: 2.65%

Run 10: Report of QUIC Cubic — Data Link

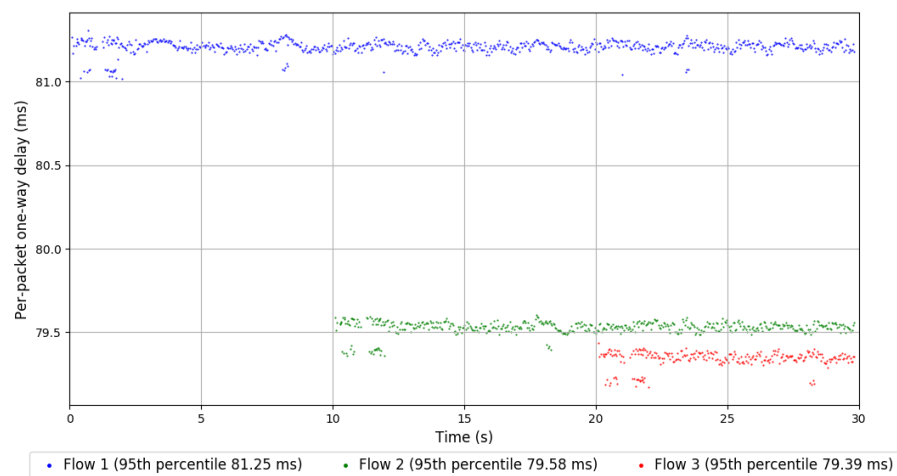
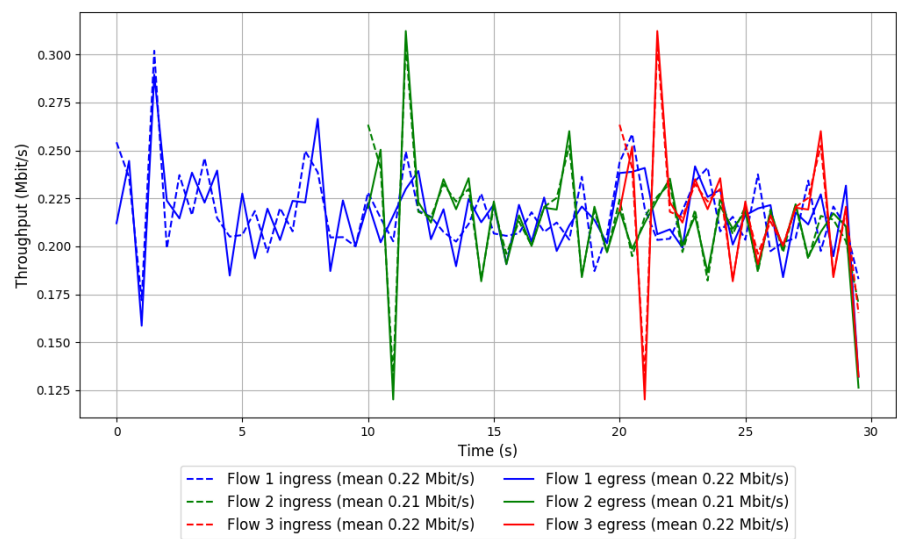


Run 1: Statistics of SReAM

Start at: 2018-02-04 17:35:25
End at: 2018-02-04 17:35:55
Local clock offset: -0.131 ms
Remote clock offset: -0.837 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.245 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.252 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 79.575 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.394 ms
Loss rate: 1.49%

Run 1: Report of SReAM — Data Link

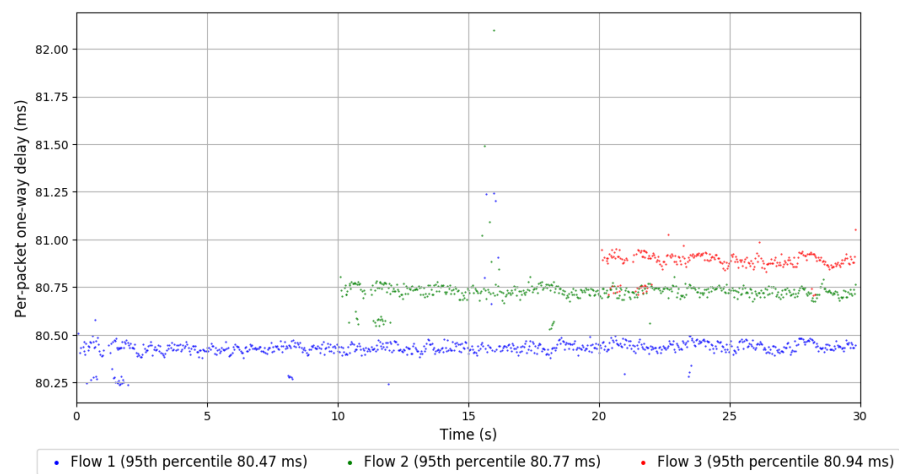
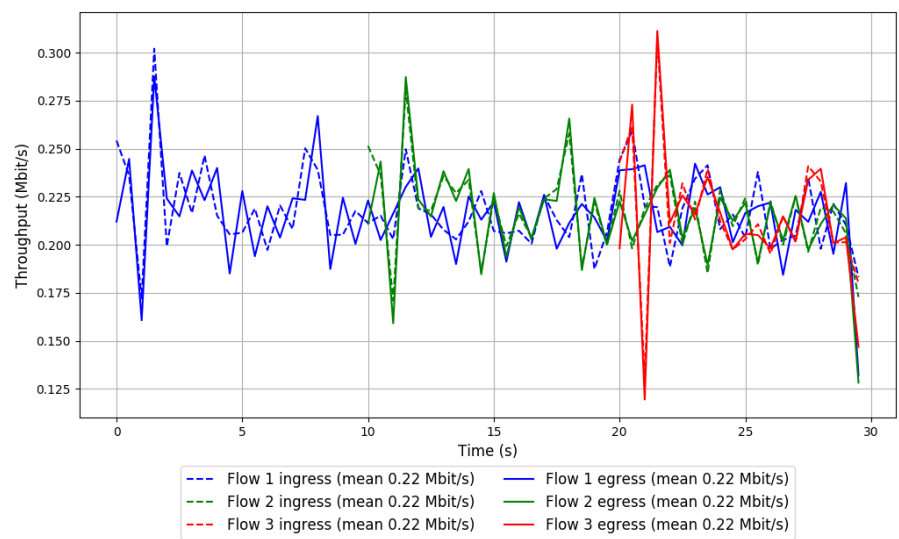


```
Run 2: Statistics of SReAM

Start at: 2018-02-04 17:59:20
End at: 2018-02-04 17:59:50
Local clock offset: -0.024 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-02-05 01:30:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.912 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.473 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.770 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.936 ms
Loss rate: 1.49%
```

Run 2: Report of SReAM — Data Link

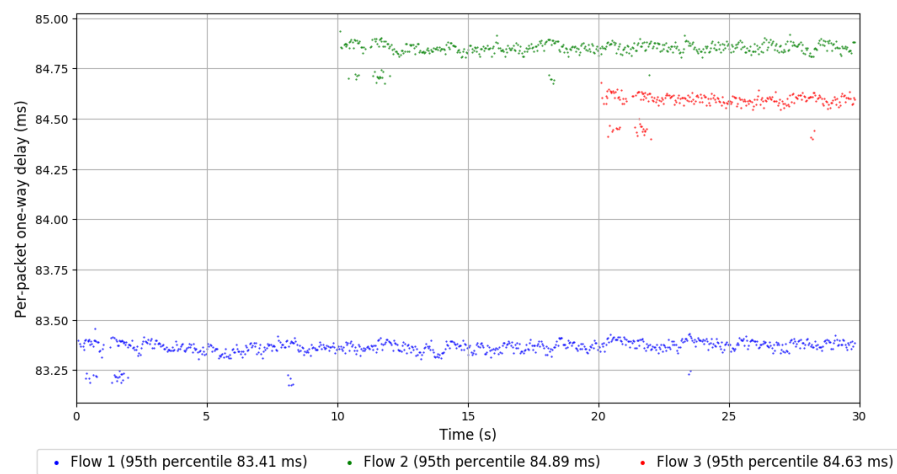
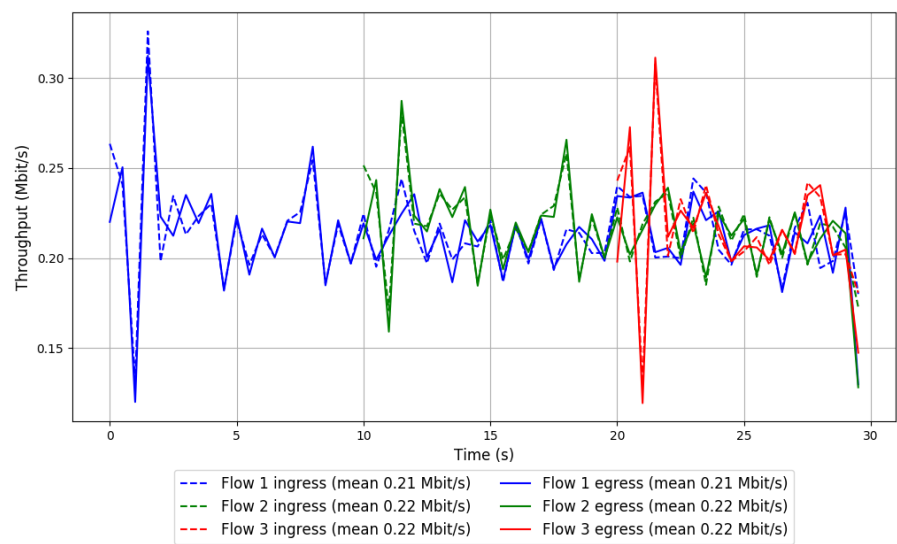


Run 3: Statistics of SCReAM

Start at: 2018-02-04 18:23:26
End at: 2018-02-04 18:23:56
Local clock offset: 0.008 ms
Remote clock offset: -5.939 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 84.879 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 83.405 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.889 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.632 ms
Loss rate: 1.49%

Run 3: Report of SReAM — Data Link

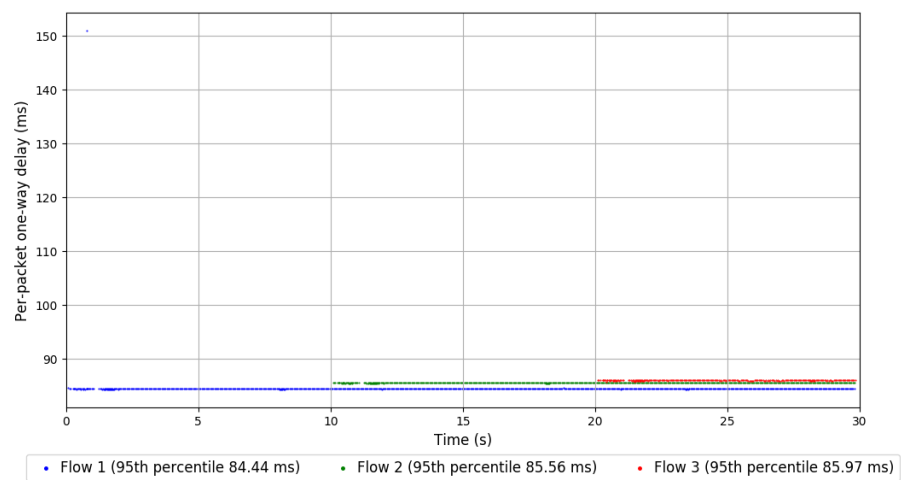
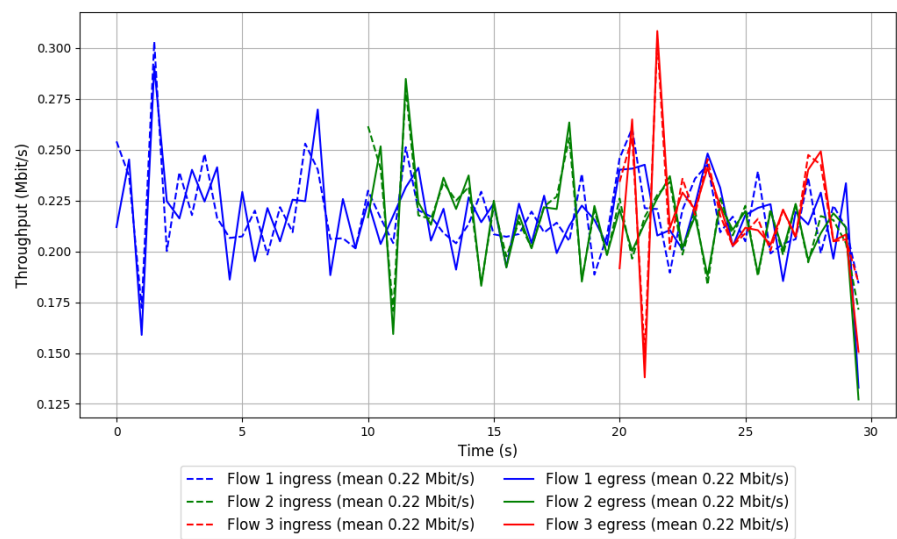


Run 4: Statistics of SReAM

Start at: 2018-02-04 18:47:35
End at: 2018-02-04 18:48:05
Local clock offset: -0.026 ms
Remote clock offset: -5.106 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.943 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.443 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.556 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.966 ms
Loss rate: 1.50%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-04 19:11:27

End at: 2018-02-04 19:11:57

Local clock offset: -0.054 ms

Remote clock offset: -3.48 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 87.159 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.320 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.171 ms

Loss rate: 0.84%

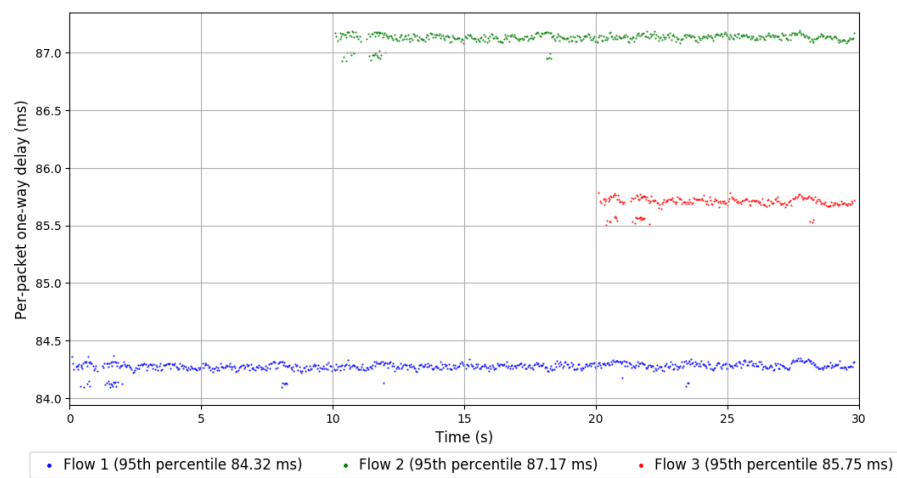
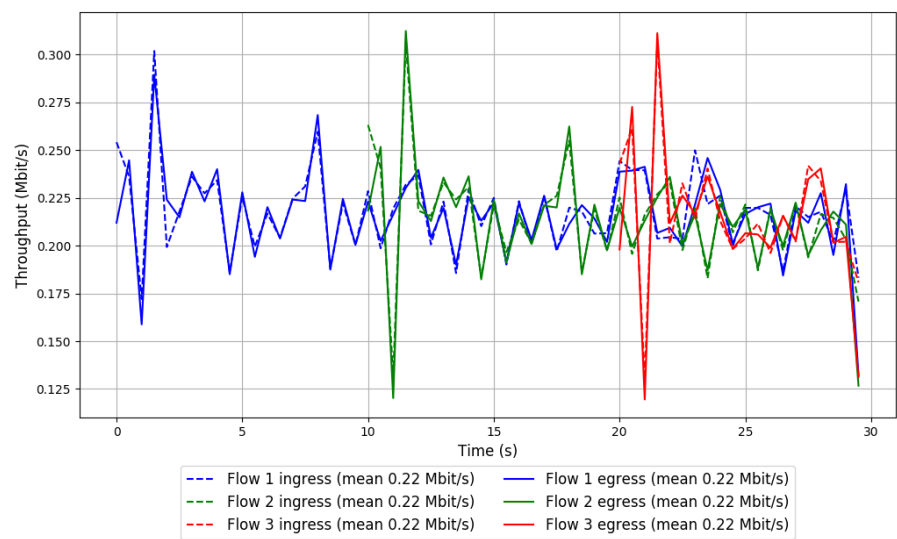
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.755 ms

Loss rate: 1.86%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-04 19:35:27

End at: 2018-02-04 19:35:57

Local clock offset: -0.142 ms

Remote clock offset: 3.898 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 78.895 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 78.692 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.895 ms

Loss rate: 0.85%

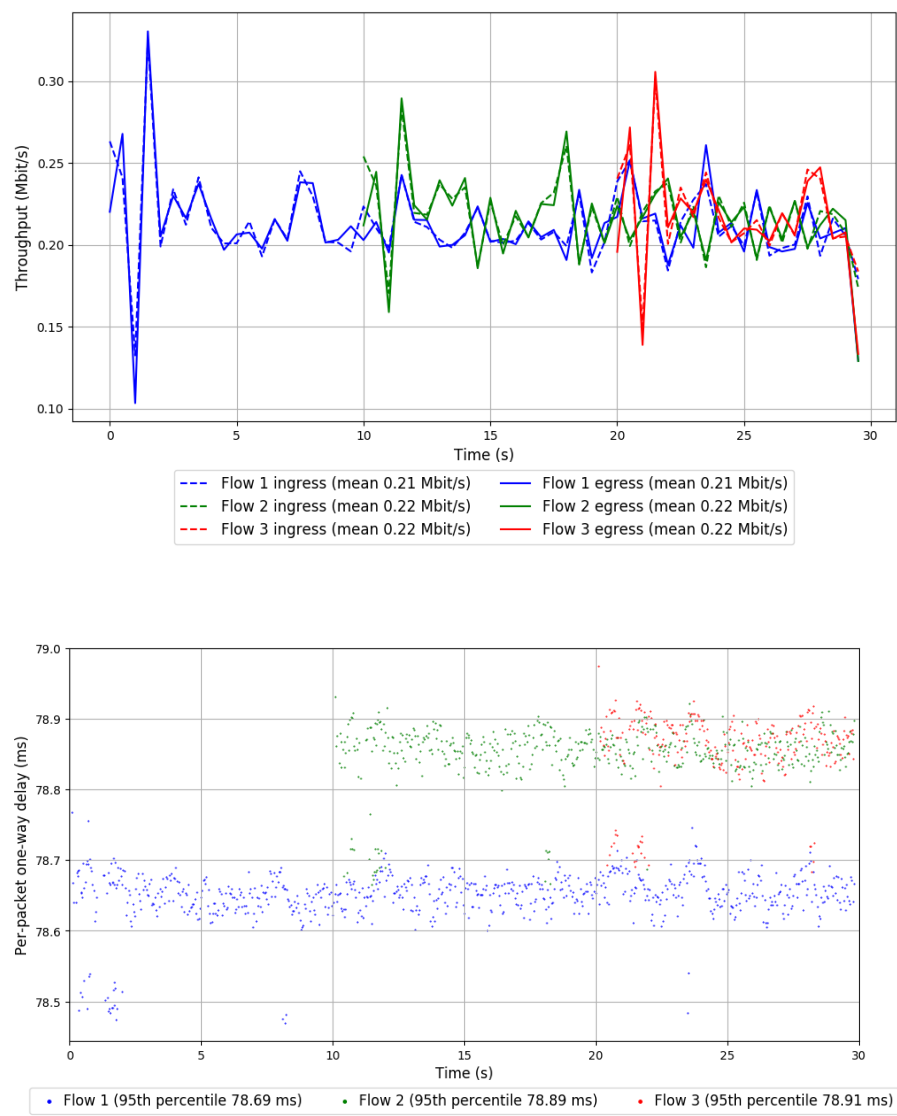
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.912 ms

Loss rate: 1.87%

Run 6: Report of SReAM — Data Link

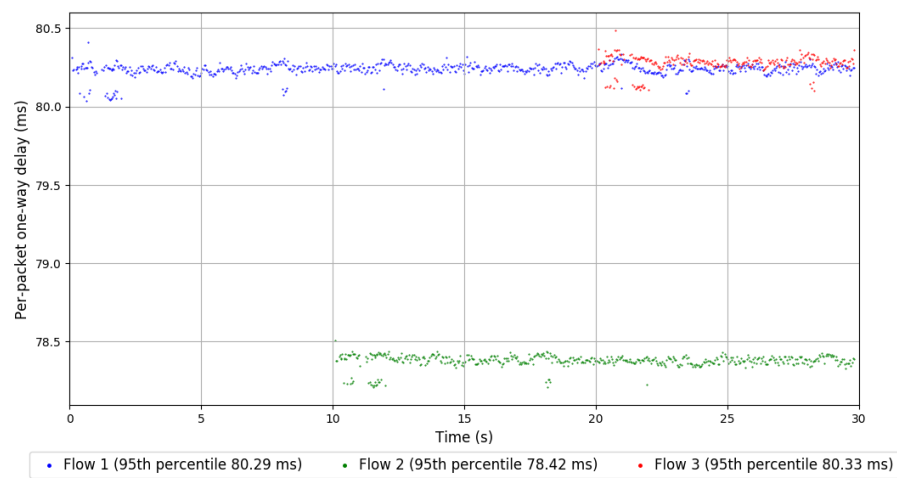
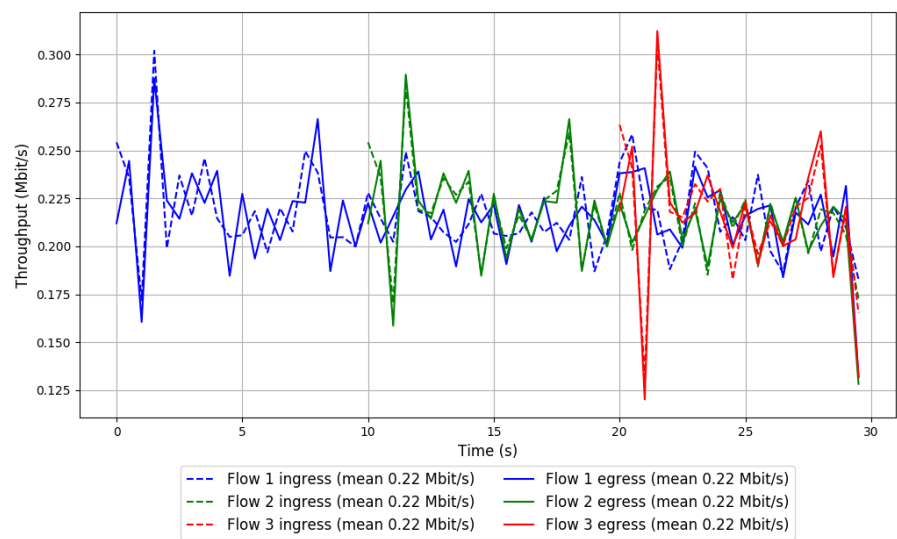


Run 7: Statistics of SReAM

Start at: 2018-02-04 19:59:16
End at: 2018-02-04 19:59:46
Local clock offset: -0.06 ms
Remote clock offset: 3.686 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.302 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.286 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.419 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.335 ms
Loss rate: 1.49%

Run 7: Report of SReAM — Data Link

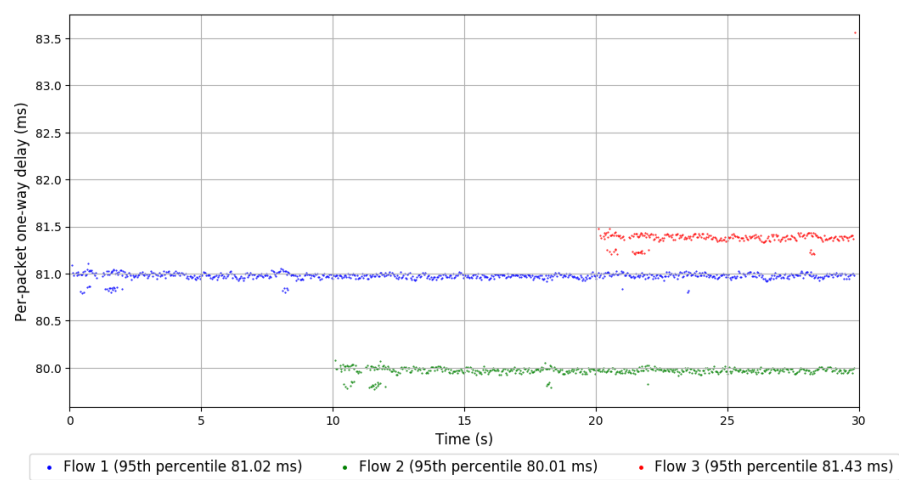
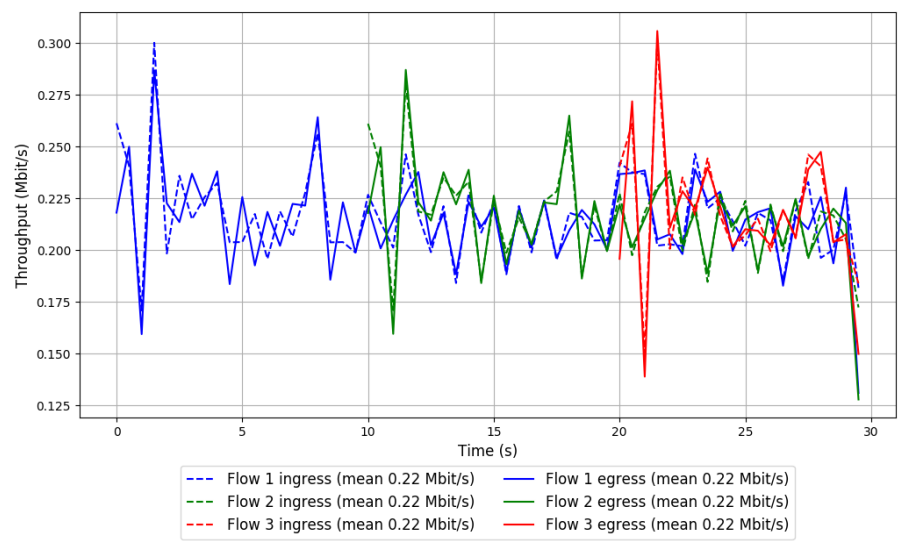


Run 8: Statistics of SReAM

Start at: 2018-02-04 20:23:10
End at: 2018-02-04 20:23:40
Local clock offset: -0.088 ms
Remote clock offset: 4.01 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.404 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.021 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.013 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.430 ms
Loss rate: 1.49%

Run 8: Report of SReAM — Data Link

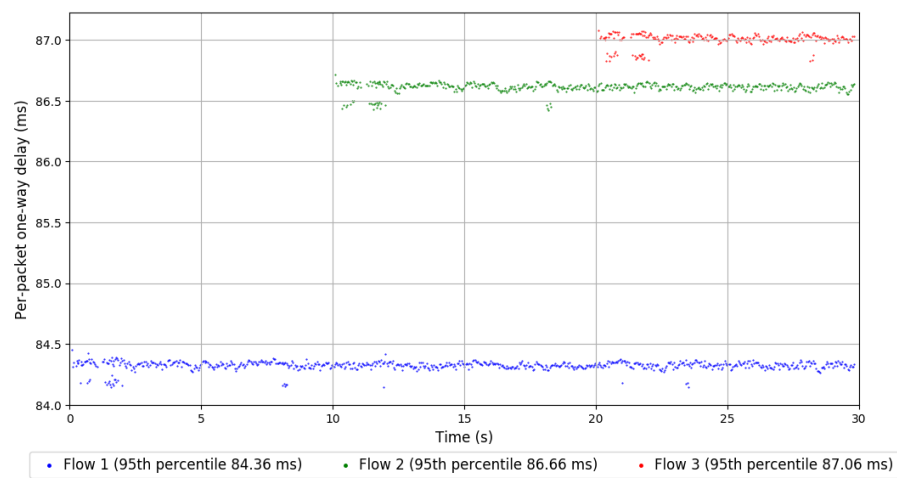
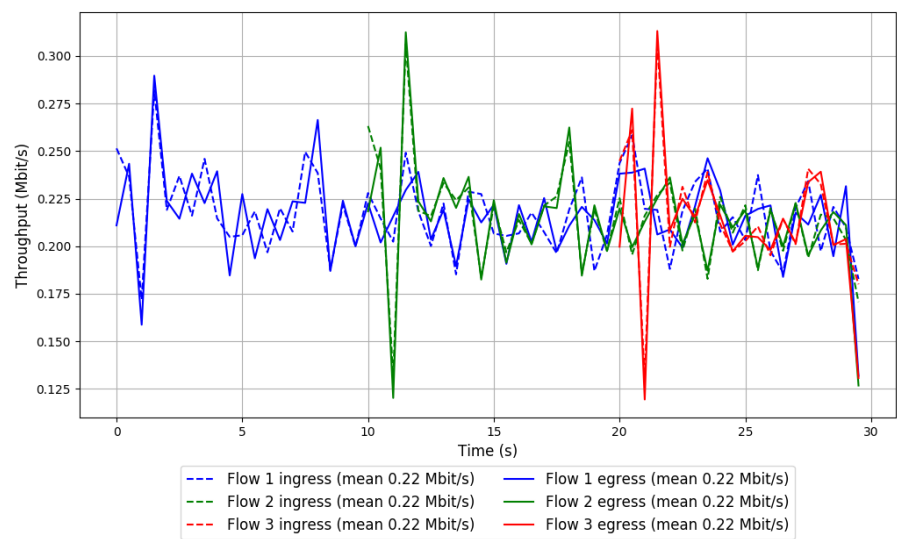


Run 9: Statistics of SReAM

Start at: 2018-02-04 20:47:07
End at: 2018-02-04 20:47:37
Local clock offset: -0.029 ms
Remote clock offset: -1.517 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.028 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.363 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.656 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.055 ms
Loss rate: 1.86%

Run 9: Report of SCRaM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-04 21:10:56

End at: 2018-02-04 21:11:26

Local clock offset: -0.074 ms

Remote clock offset: 3.407 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 80.976 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.544 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.988 ms

Loss rate: 0.85%

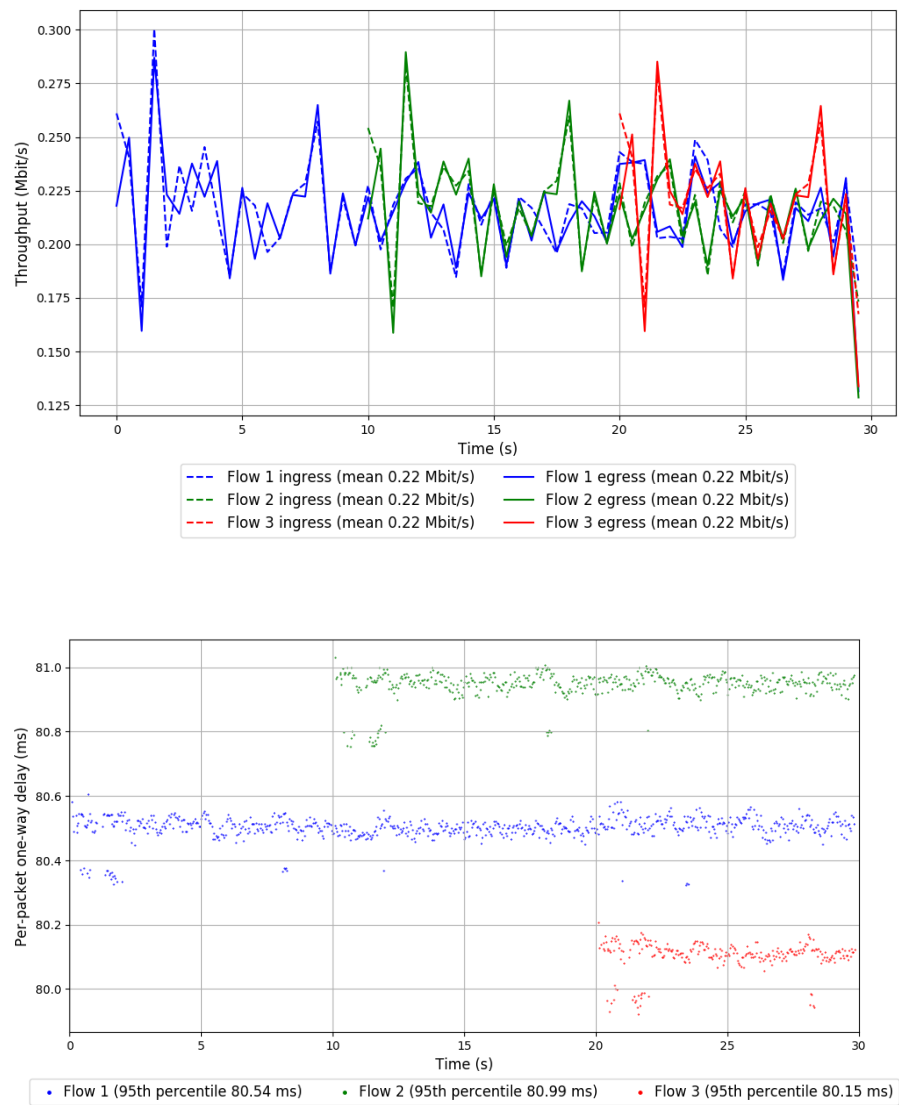
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.153 ms

Loss rate: 1.49%

Run 10: Report of SReAM — Data Link

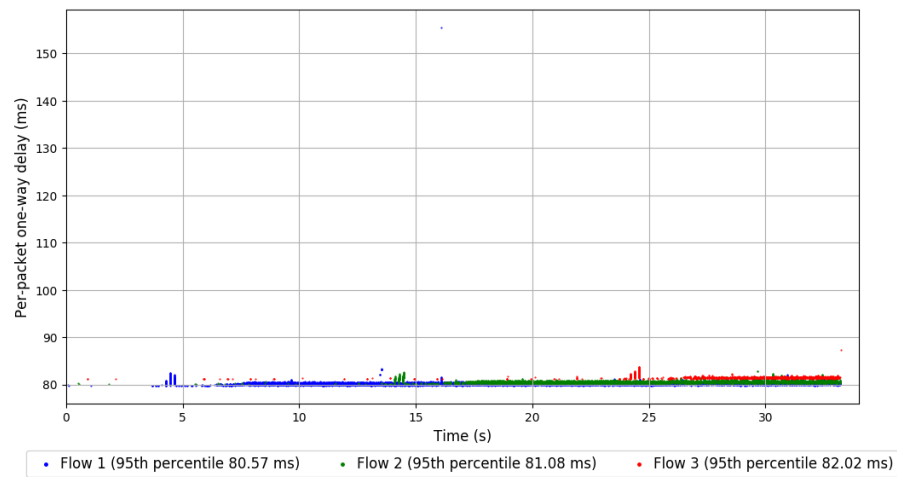
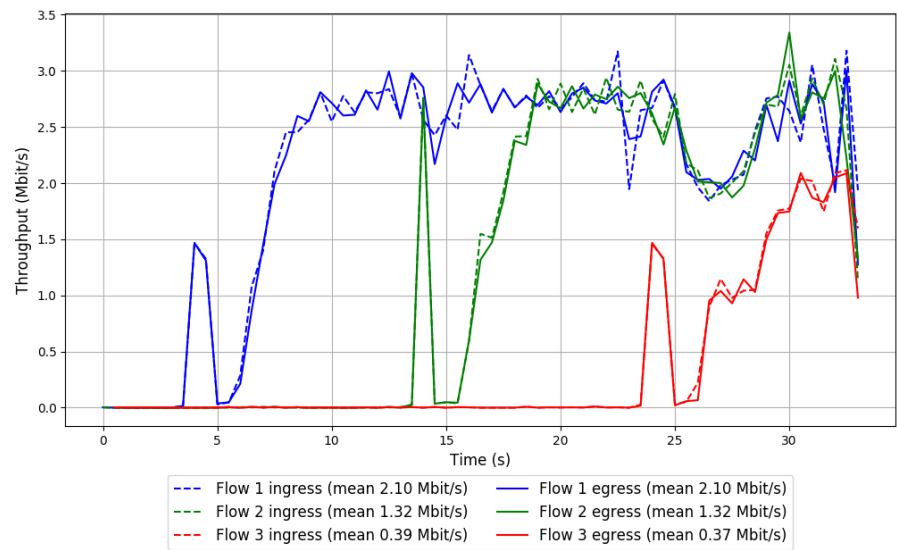


Run 1: Statistics of WebRTC media

Start at: 2018-02-04 17:27:23
End at: 2018-02-04 17:27:53
Local clock offset: -0.105 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 81.487 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 80.568 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 81.076 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 82.016 ms
Loss rate: 3.90%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-04 17:51:15

End at: 2018-02-04 17:51:45

Local clock offset: -0.023 ms

Remote clock offset: 0.586 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 81.180 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 80.255 ms

Loss rate: 0.81%

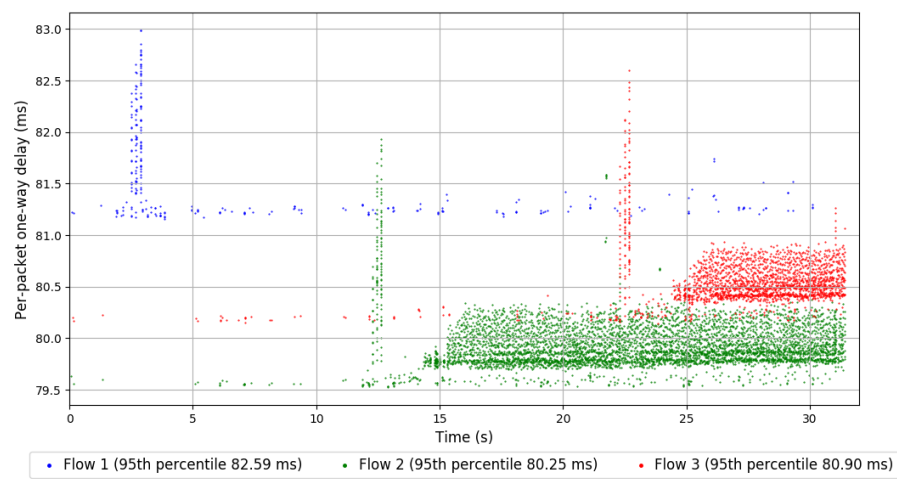
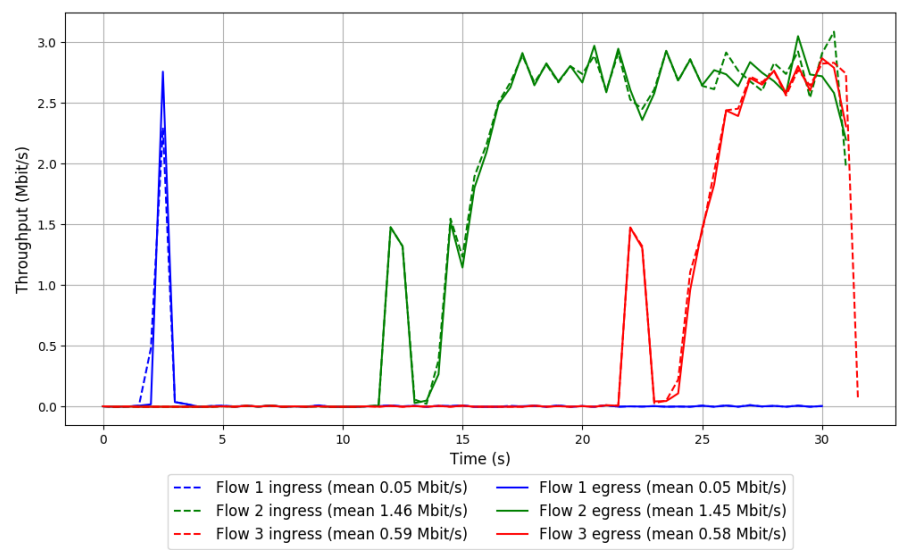
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 80.903 ms

Loss rate: 2.47%

Run 2: Report of WebRTC media — Data Link

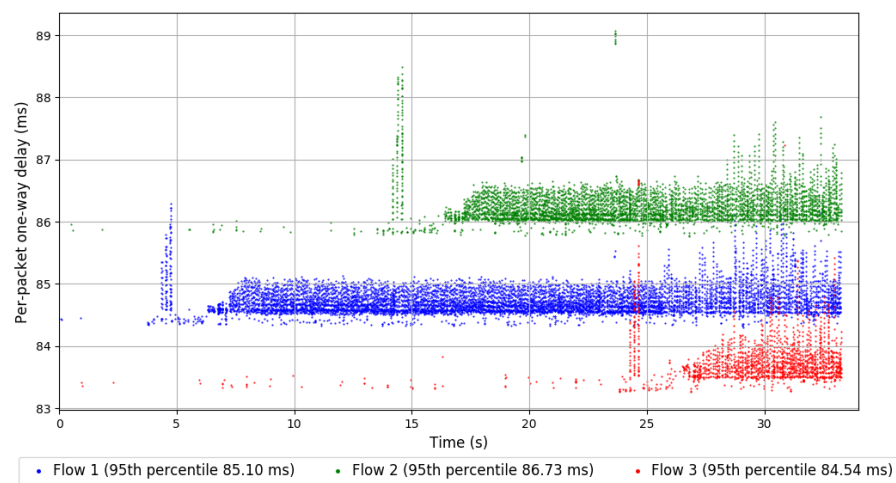
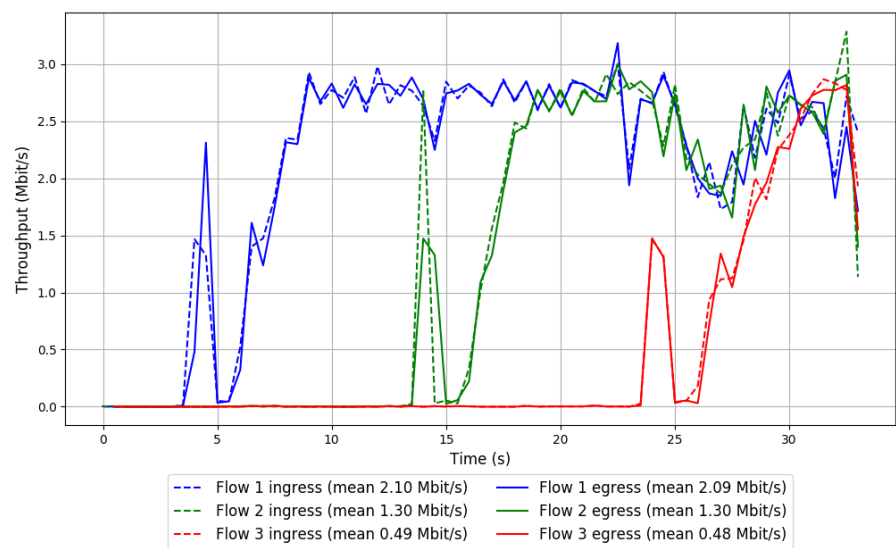


Run 3: Statistics of WebRTC media

Start at: 2018-02-04 18:15:21
End at: 2018-02-04 18:15:51
Local clock offset: -0.078 ms
Remote clock offset: -5.935 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 86.477 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 85.096 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 86.726 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 84.544 ms
Loss rate: 2.45%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-04 18:39:31

End at: 2018-02-04 18:40:01

Local clock offset: -0.021 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 81.147 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.191 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 81.172 ms

Loss rate: 1.00%

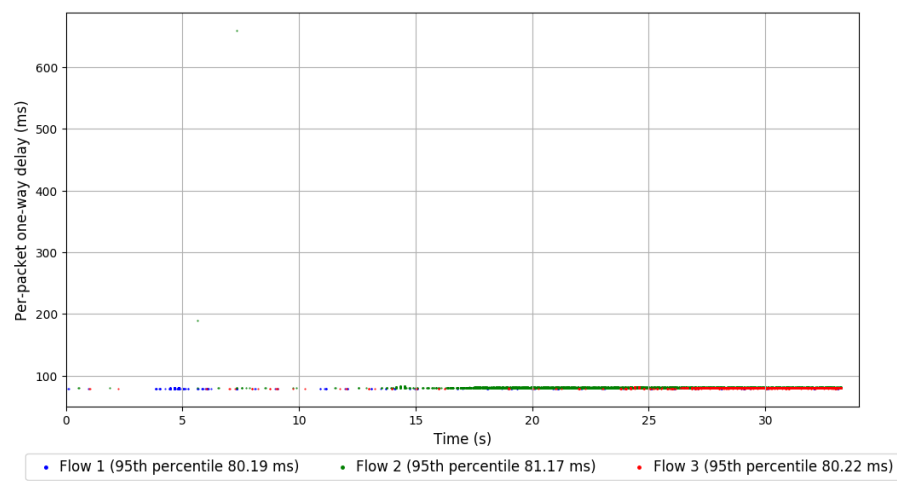
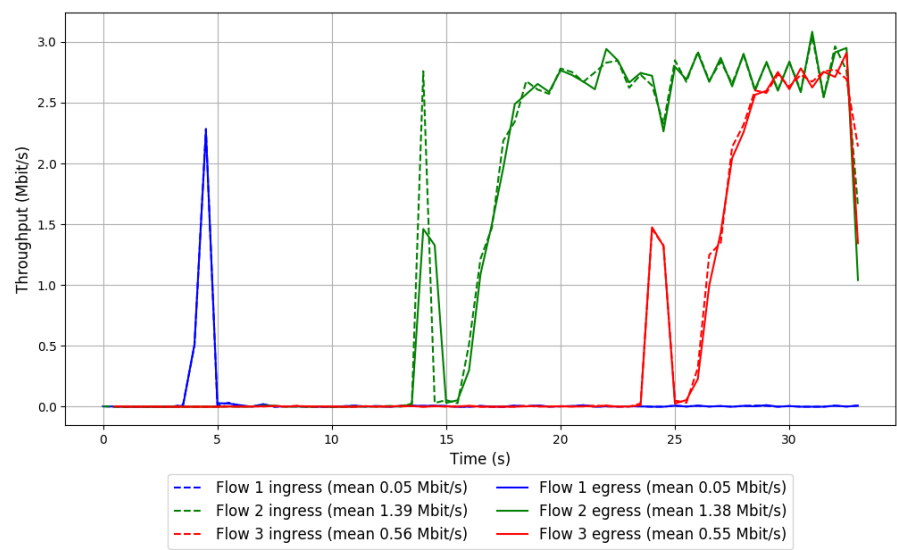
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 80.220 ms

Loss rate: 2.94%

Run 4: Report of WebRTC media — Data Link

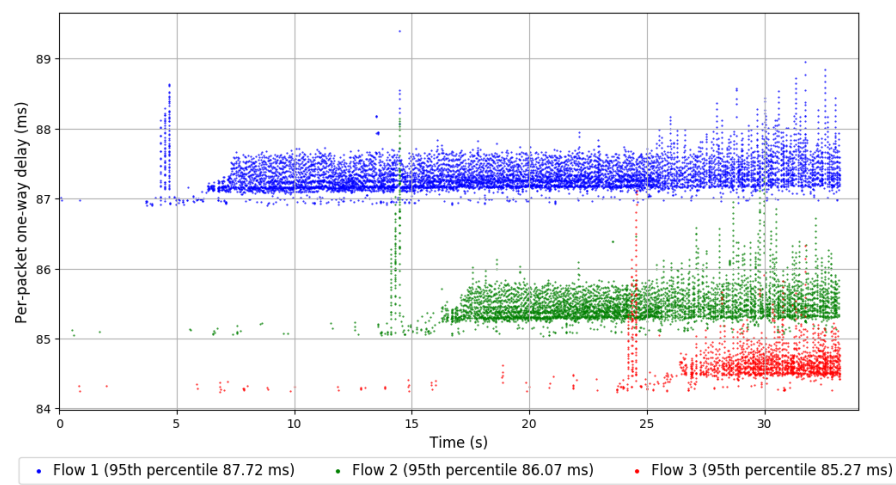
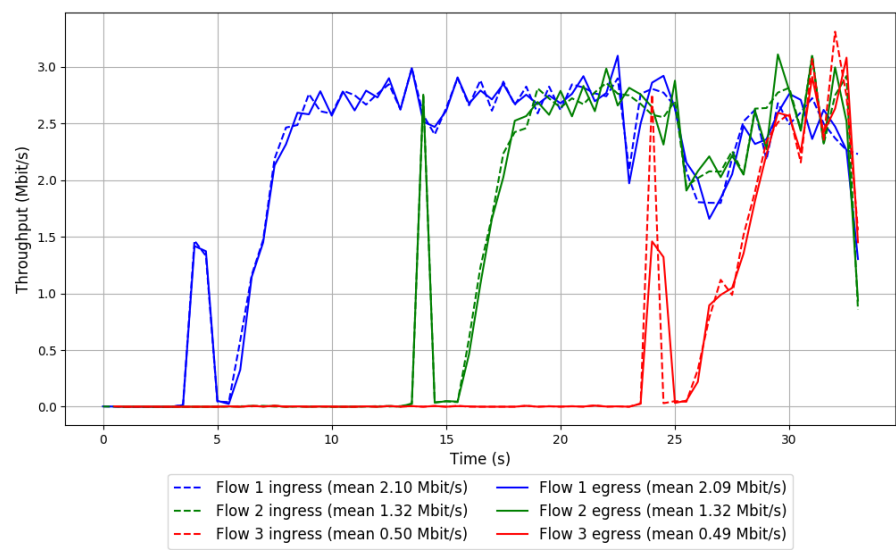


Run 5: Statistics of WebRTC media

Start at: 2018-02-04 19:03:25
End at: 2018-02-04 19:03:55
Local clock offset: -0.134 ms
Remote clock offset: -4.146 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.623 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 87.723 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 86.074 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 85.265 ms
Loss rate: 2.54%

Run 5: Report of WebRTC media — Data Link

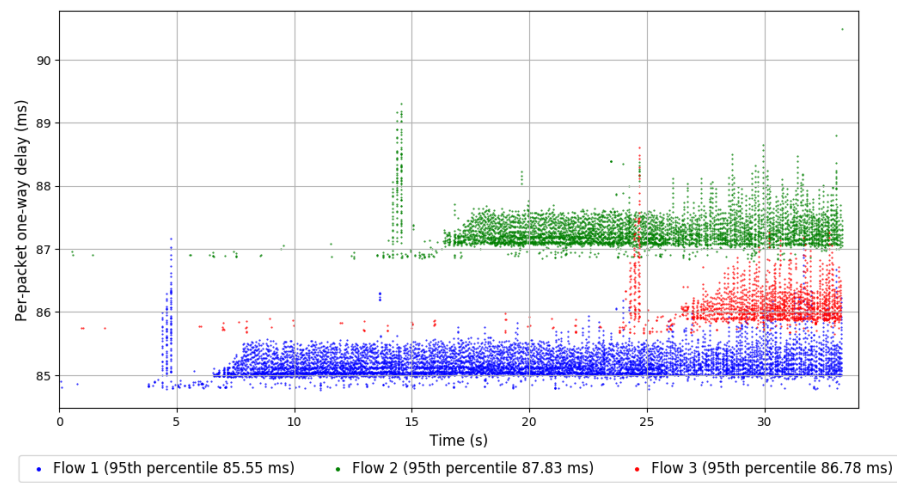
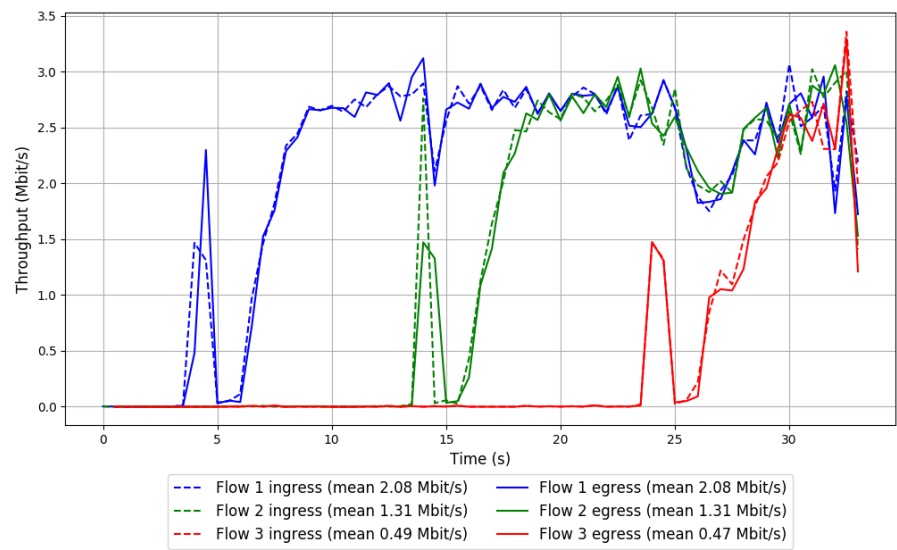


Run 6: Statistics of WebRTC media

Start at: 2018-02-04 19:27:26
End at: 2018-02-04 19:27:56
Local clock offset: -0.073 ms
Remote clock offset: -2.512 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 87.525 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 85.553 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 87.827 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 3.84%

Run 6: Report of WebRTC media — Data Link

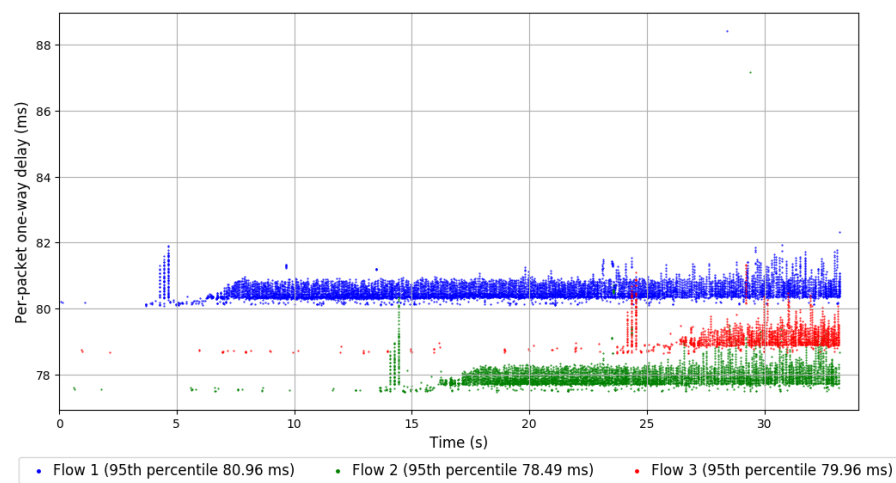
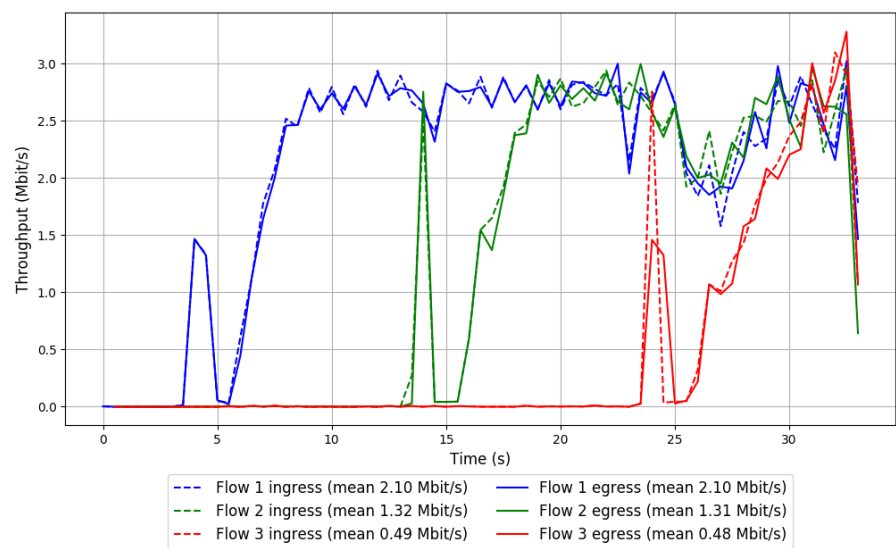


Run 7: Statistics of WebRTC media

Start at: 2018-02-04 19:51:14
End at: 2018-02-04 19:51:44
Local clock offset: -0.155 ms
Remote clock offset: 4.296 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 80.844 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 80.957 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 78.491 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 79.963 ms
Loss rate: 3.54%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-04 20:15:05

End at: 2018-02-04 20:15:35

Local clock offset: -0.058 ms

Remote clock offset: -0.99 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 85.433 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 85.557 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 84.966 ms

Loss rate: 0.62%

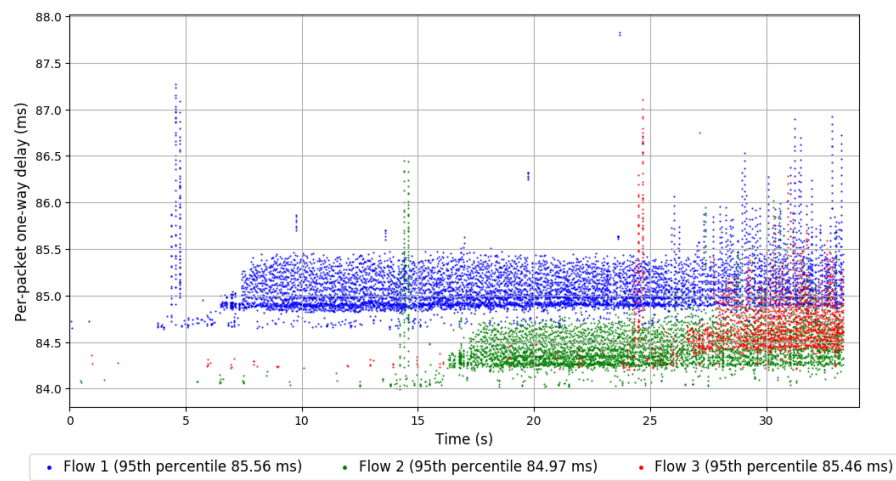
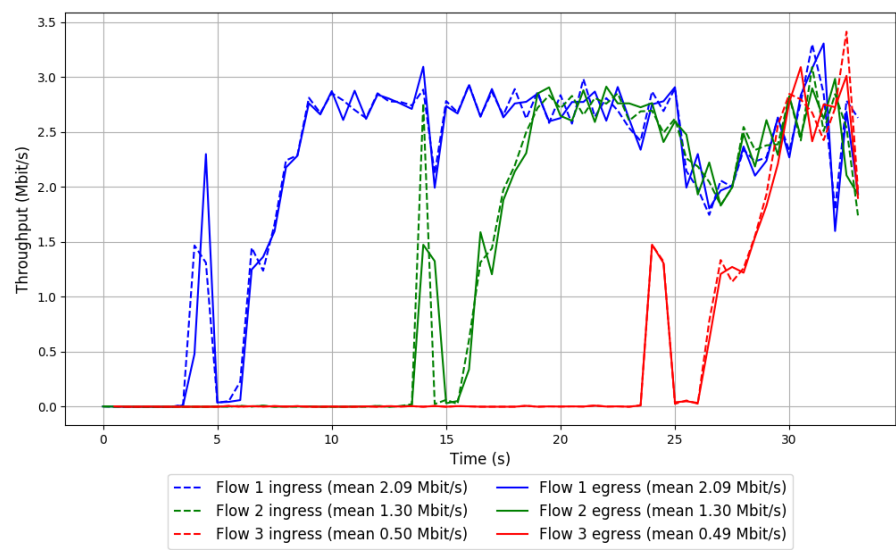
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 85.456 ms

Loss rate: 2.63%

Run 8: Report of WebRTC media — Data Link

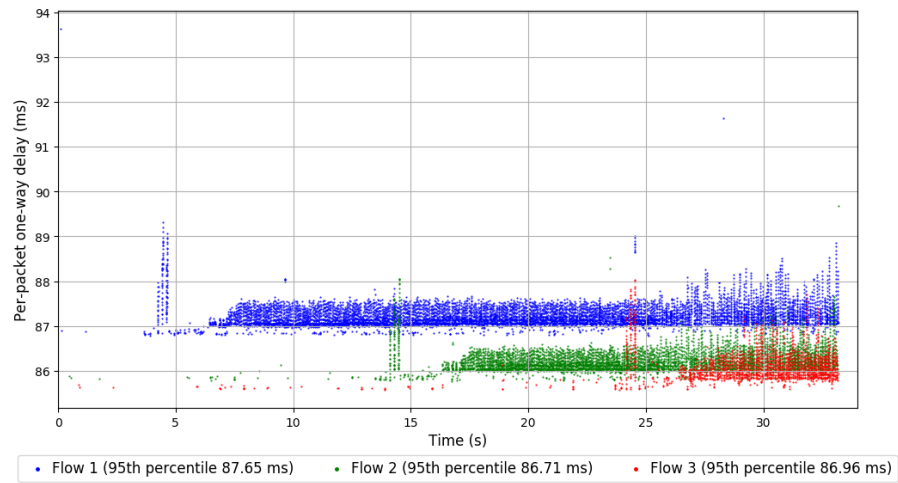
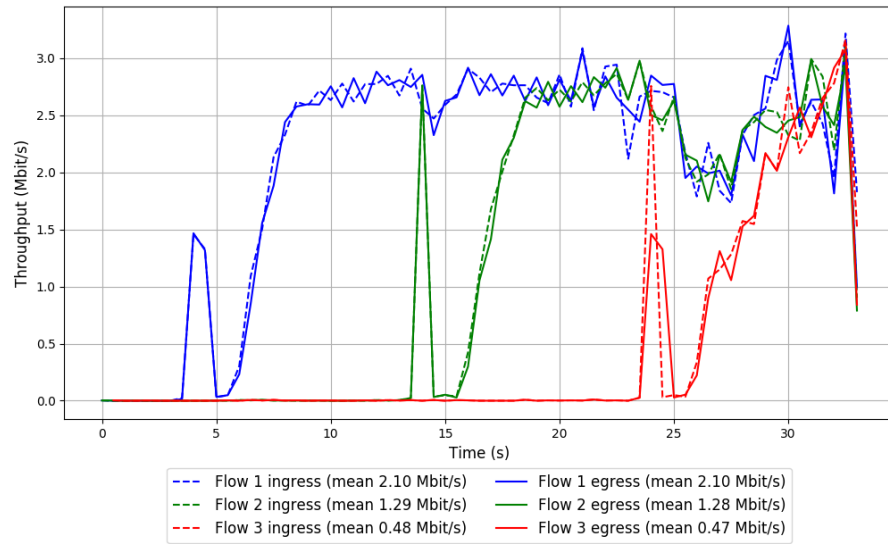


Run 9: Statistics of WebRTC media

Start at: 2018-02-04 20:39:04
End at: 2018-02-04 20:39:34
Local clock offset: -0.054 ms
Remote clock offset: -1.599 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 87.537 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 87.648 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 3.50%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-04 21:02:54

End at: 2018-02-04 21:03:24

Local clock offset: -0.068 ms

Remote clock offset: 4.176 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 81.817 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 81.906 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 81.018 ms

Loss rate: 0.87%

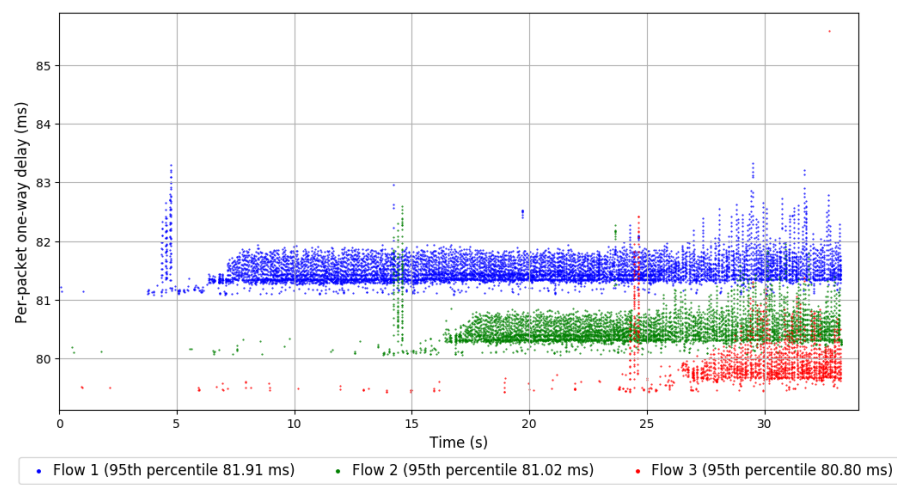
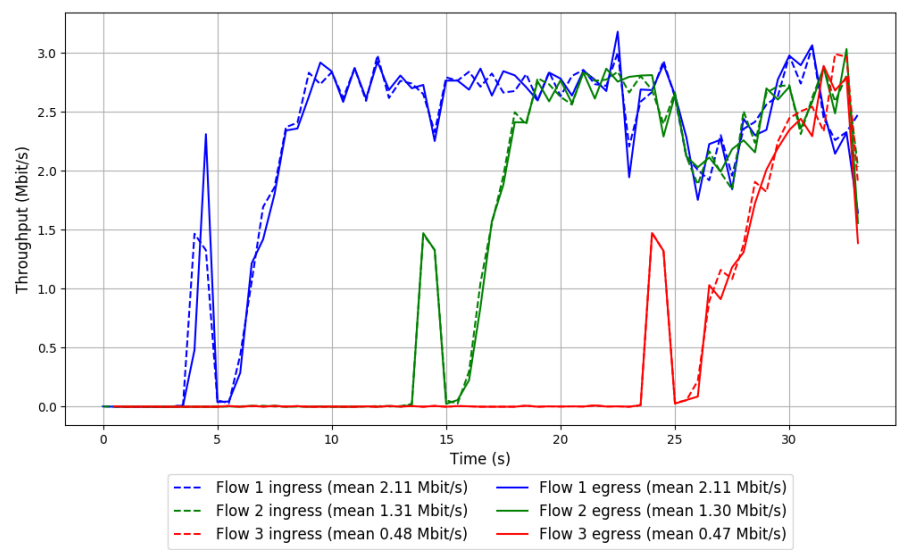
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 80.803 ms

Loss rate: 3.55%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-04 17:45:53

End at: 2018-02-04 17:46:23

Local clock offset: -0.088 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 88.553 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 88.708 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 87.797 ms

Loss rate: 1.60%

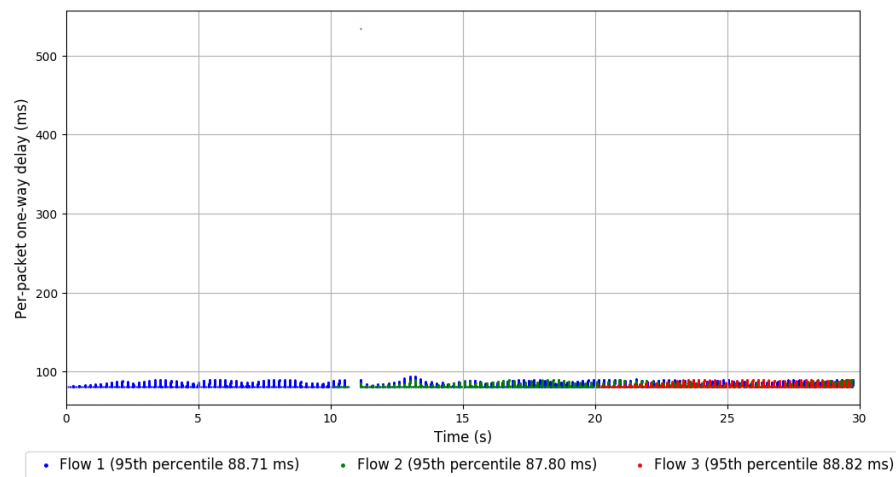
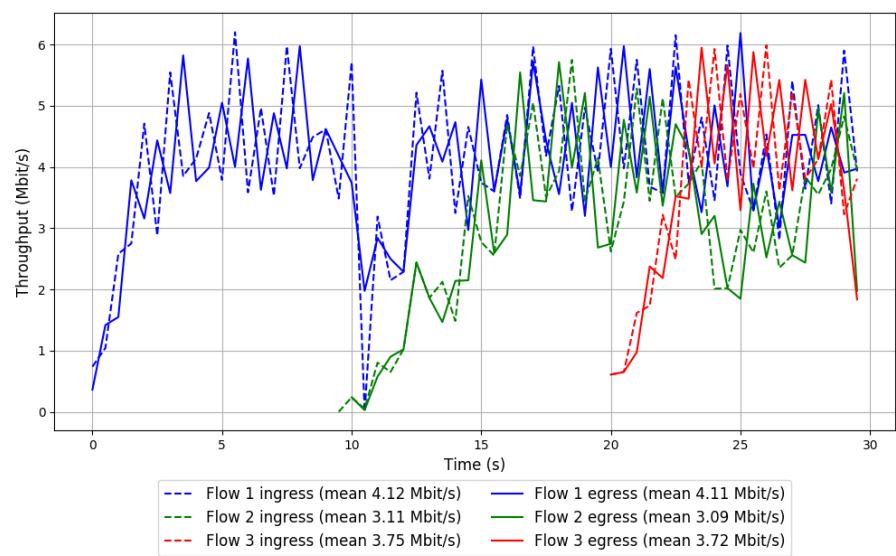
-- Flow 3:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 88.816 ms

Loss rate: 2.67%

Run 1: Report of Sprout — Data Link

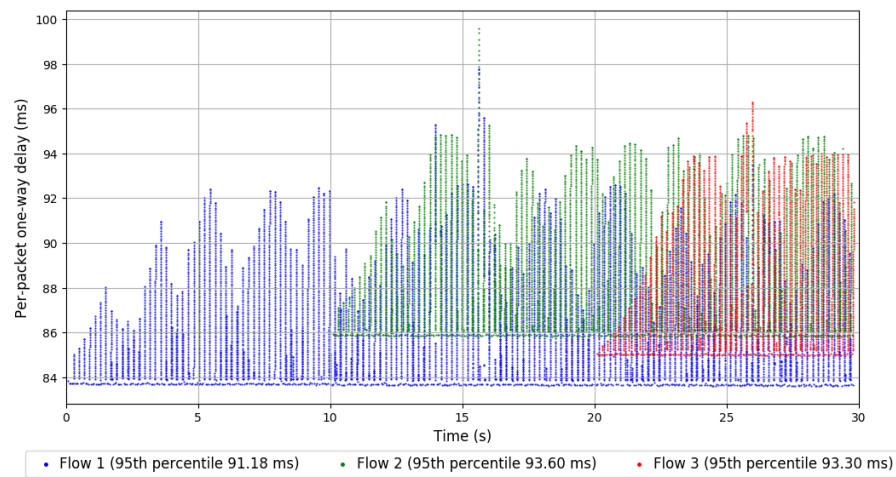
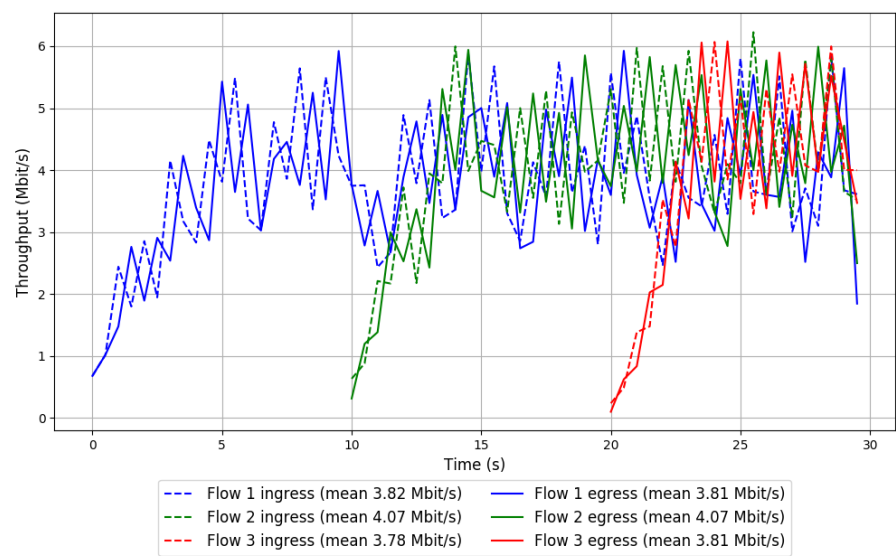


Run 2: Statistics of Sprout

Start at: 2018-02-04 18:09:48
End at: 2018-02-04 18:10:18
Local clock offset: -0.0 ms
Remote clock offset: -6.019 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 92.860 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 91.182 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 93.604 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 93.296 ms
Loss rate: 0.74%

Run 2: Report of Sprout — Data Link

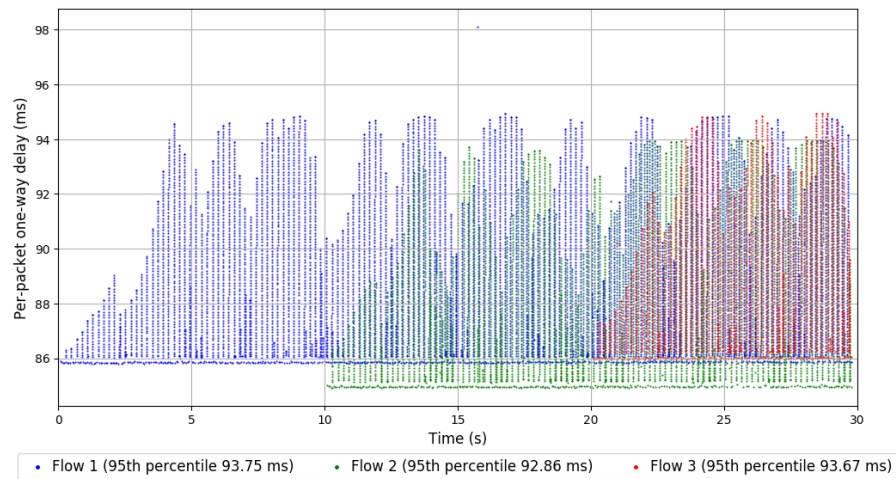
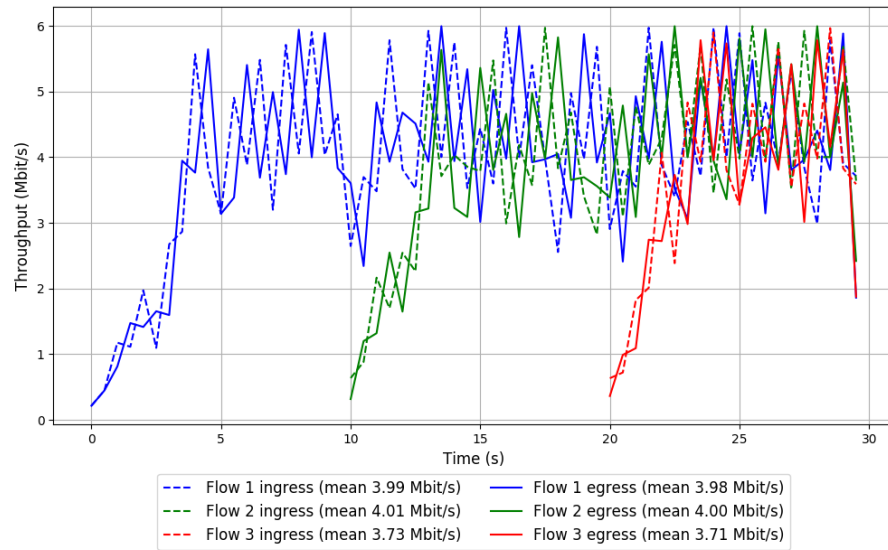


Run 3: Statistics of Sprout

Start at: 2018-02-04 18:34:10
End at: 2018-02-04 18:34:40
Local clock offset: -0.029 ms
Remote clock offset: -6.258 ms

```
# Below is generated by plot.py at 2018-02-05 01:30:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 93.465 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 93.753 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 92.855 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 93.673 ms
Loss rate: 2.34%
```


Run 3: Report of Sprout — Data Link

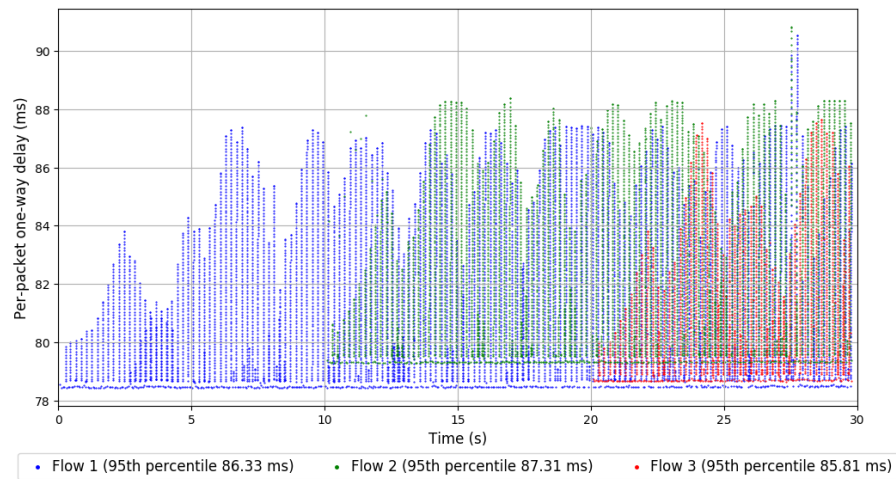
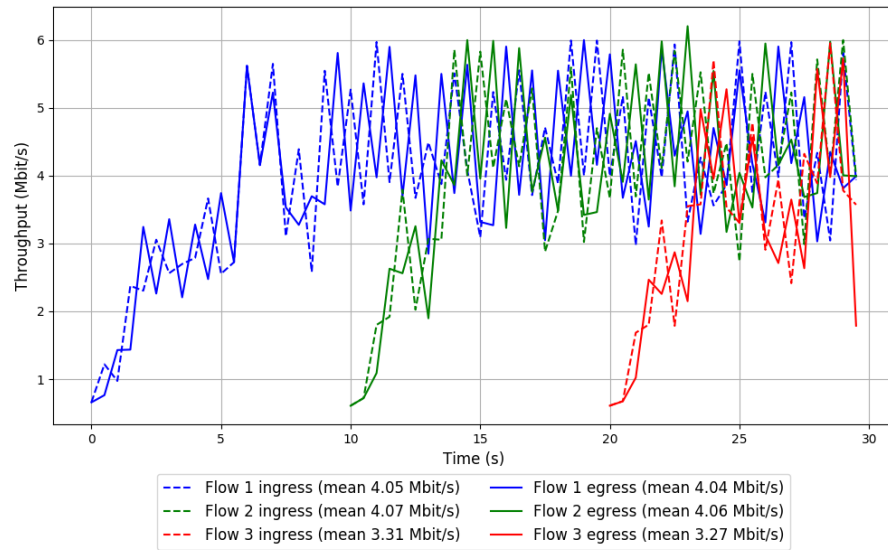


Run 4: Statistics of Sprout

Start at: 2018-02-04 18:58:04
End at: 2018-02-04 18:58:34
Local clock offset: -0.011 ms
Remote clock offset: 1.191 ms

```
# Below is generated by plot.py at 2018-02-05 01:30:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 86.326 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 87.309 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 85.814 ms
Loss rate: 2.78%
```

Run 4: Report of Sprout — Data Link

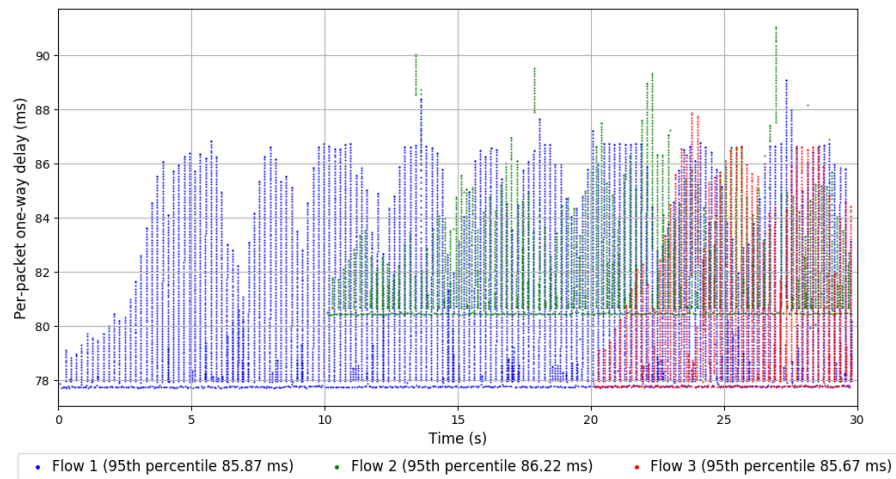
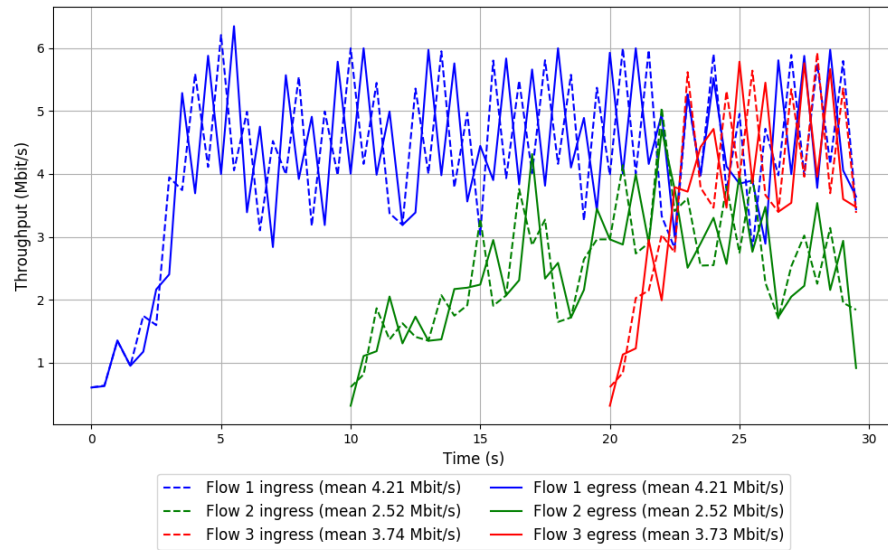


Run 5: Statistics of Sprout

Start at: 2018-02-04 19:21:59
End at: 2018-02-04 19:22:29
Local clock offset: -0.133 ms
Remote clock offset: 3.543 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 85.883 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 85.871 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 86.216 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 85.668 ms
Loss rate: 2.26%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-04 19:45:54

End at: 2018-02-04 19:46:24

Local clock offset: -0.087 ms

Remote clock offset: 3.274 ms

Below is generated by plot.py at 2018-02-05 01:30:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 87.937 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 87.451 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 88.007 ms

Loss rate: 1.03%

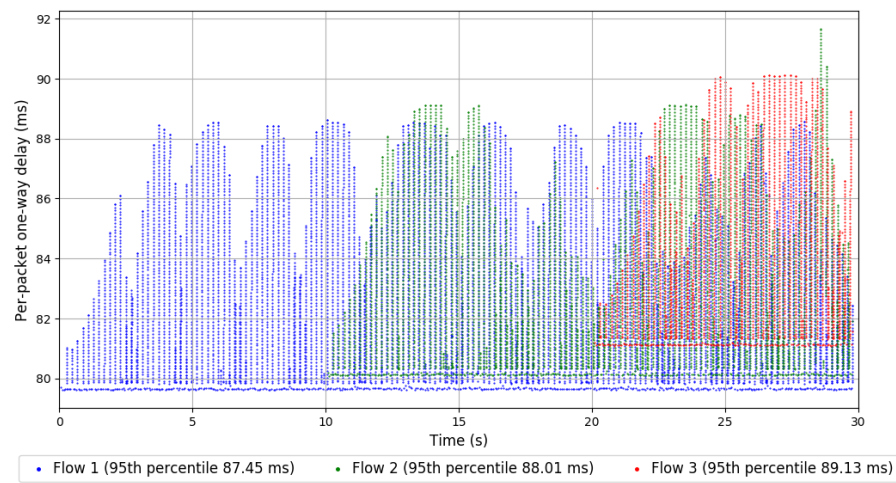
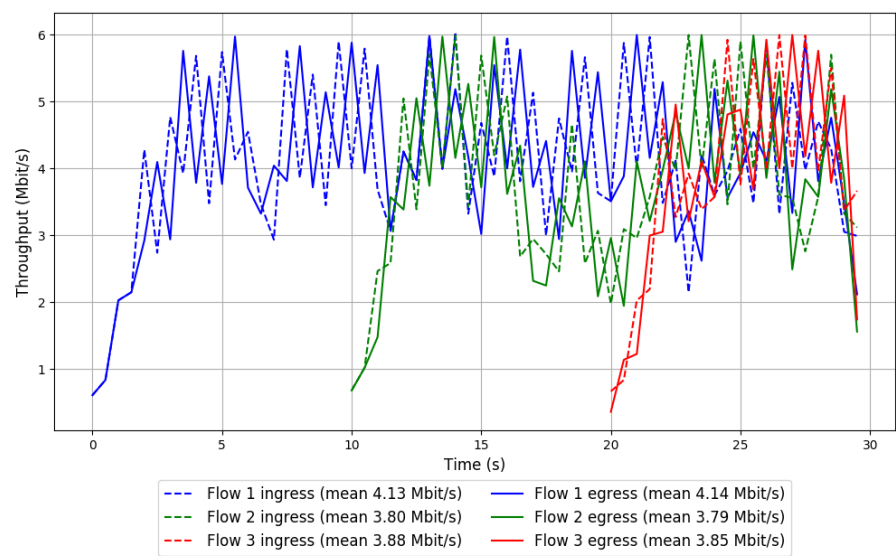
-- Flow 3:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 89.131 ms

Loss rate: 2.52%

Run 6: Report of Sprout — Data Link

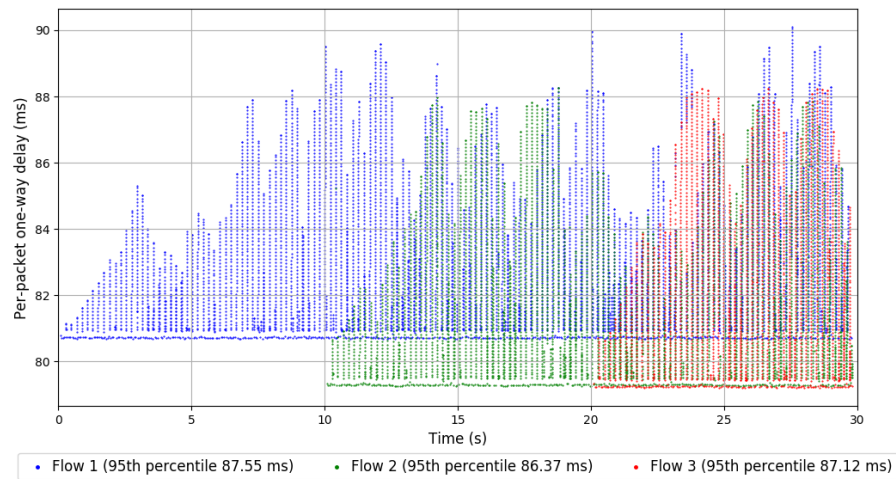
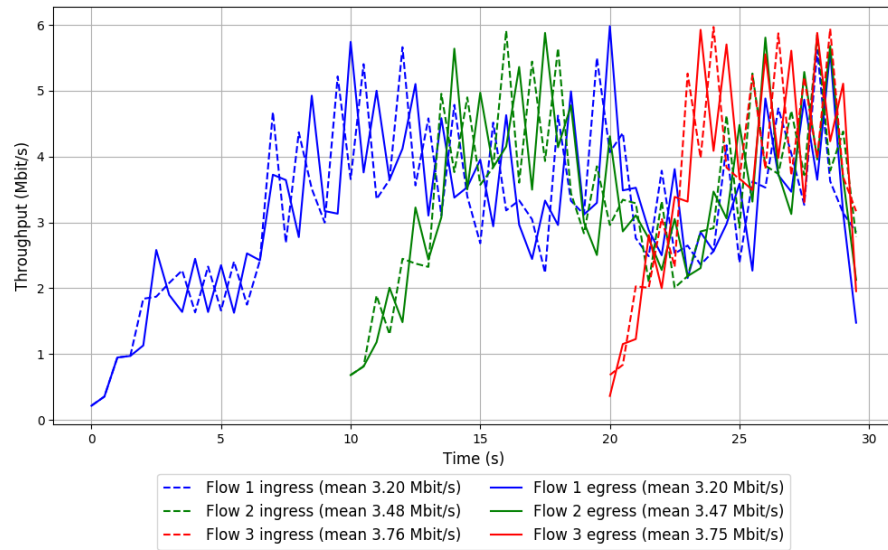


Run 7: Statistics of Sprout

Start at: 2018-02-04 20:09:44
End at: 2018-02-04 20:10:14
Local clock offset: -0.027 ms
Remote clock offset: 2.97 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 87.124 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 87.553 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 86.367 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 87.116 ms
Loss rate: 2.03%

Run 7: Report of Sprout — Data Link

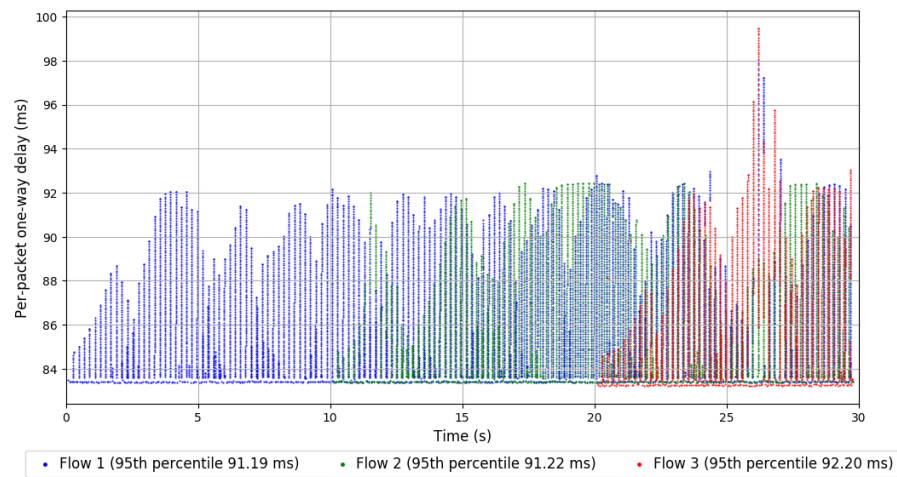
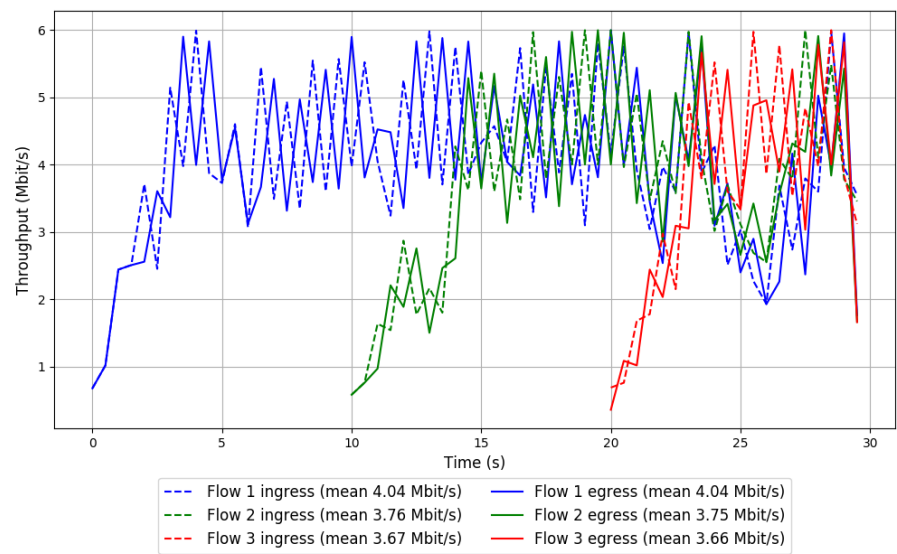


Run 8: Statistics of Sprout

Start at: 2018-02-04 20:33:41
End at: 2018-02-04 20:34:11
Local clock offset: -0.005 ms
Remote clock offset: -0.826 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 91.332 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 91.188 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 91.225 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 92.202 ms
Loss rate: 2.04%

Run 8: Report of Sprout — Data Link

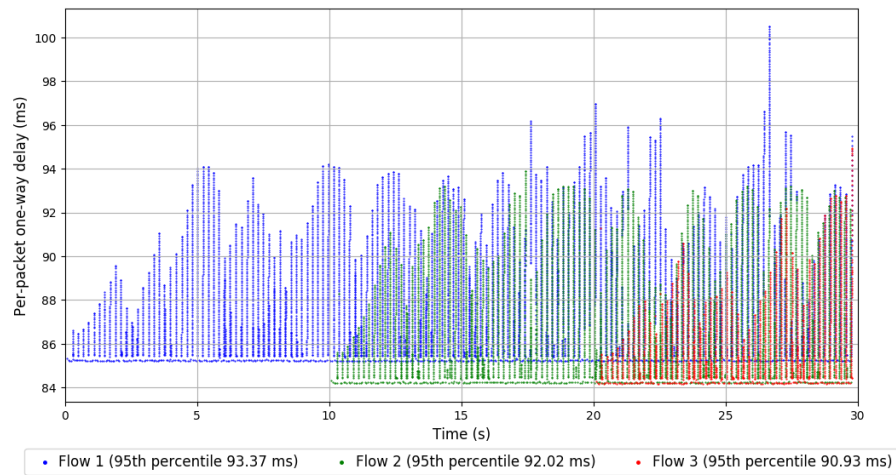
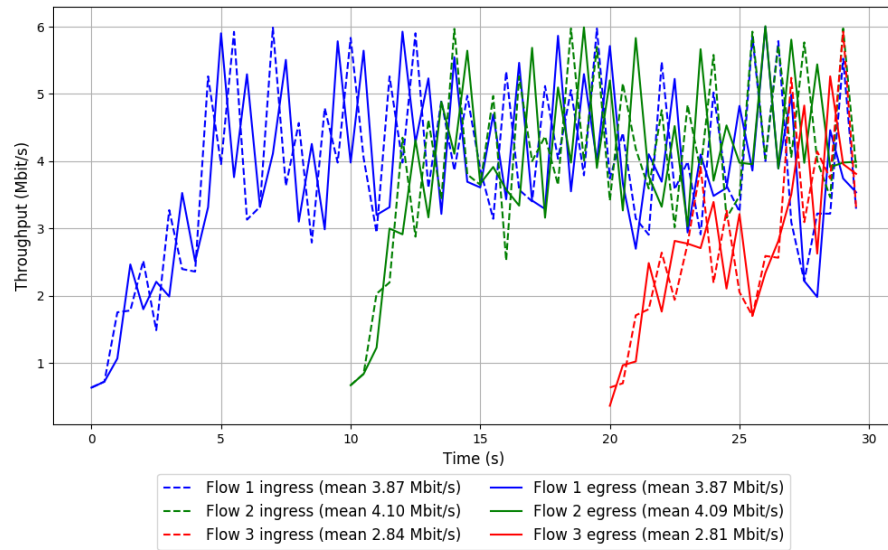


Run 9: Statistics of Sprout

Start at: 2018-02-04 20:57:34
End at: 2018-02-04 20:58:04
Local clock offset: -0.024 ms
Remote clock offset: -1.572 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 92.706 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 93.369 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 92.018 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 90.930 ms
Loss rate: 2.63%

Run 9: Report of Sprout — Data Link

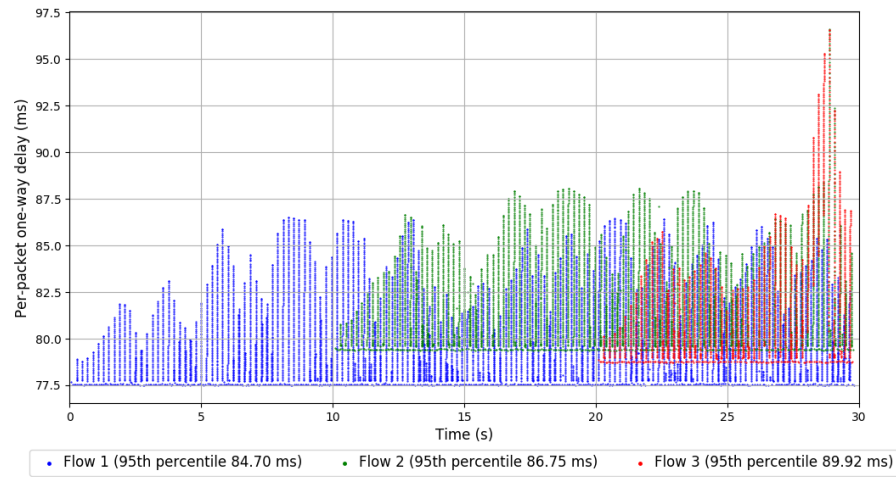
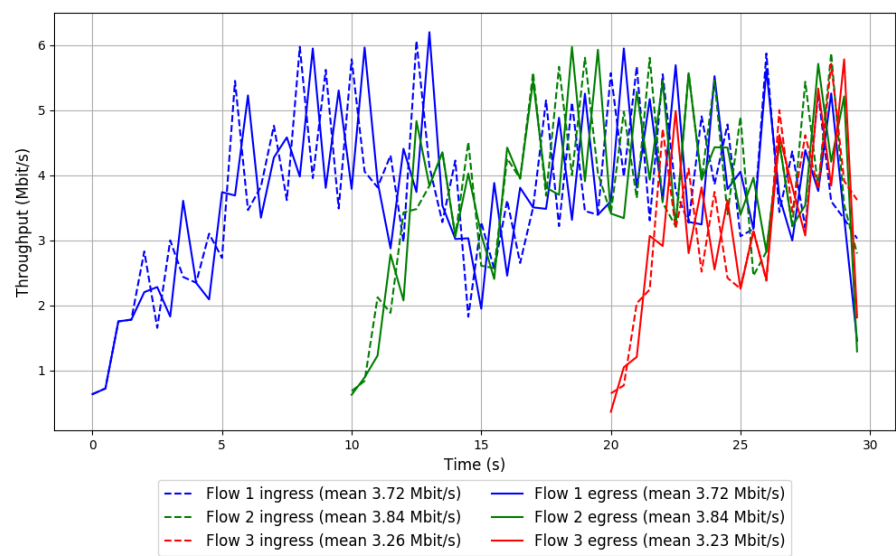


Run 10: Statistics of Sprout

Start at: 2018-02-04 21:21:25
End at: 2018-02-04 21:21:55
Local clock offset: -0.096 ms
Remote clock offset: 4.906 ms

Below is generated by plot.py at 2018-02-05 01:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 86.099 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 84.698 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 86.753 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 89.920 ms
Loss rate: 2.82%

Run 10: Report of Sprout — Data Link

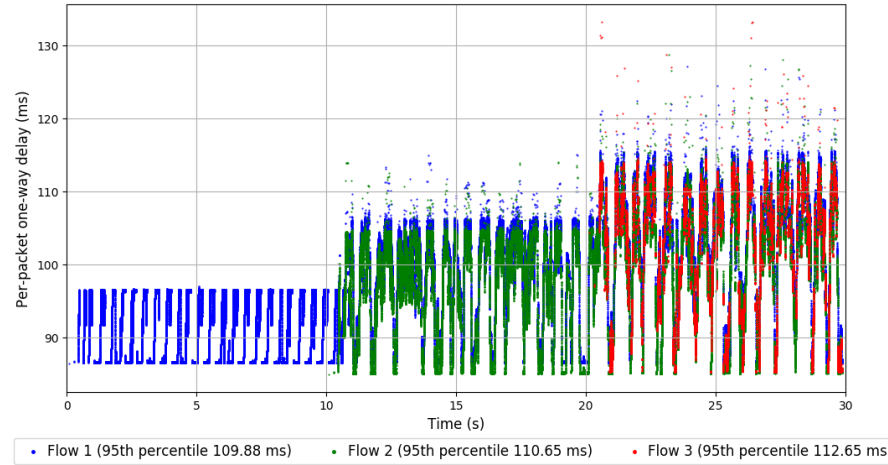
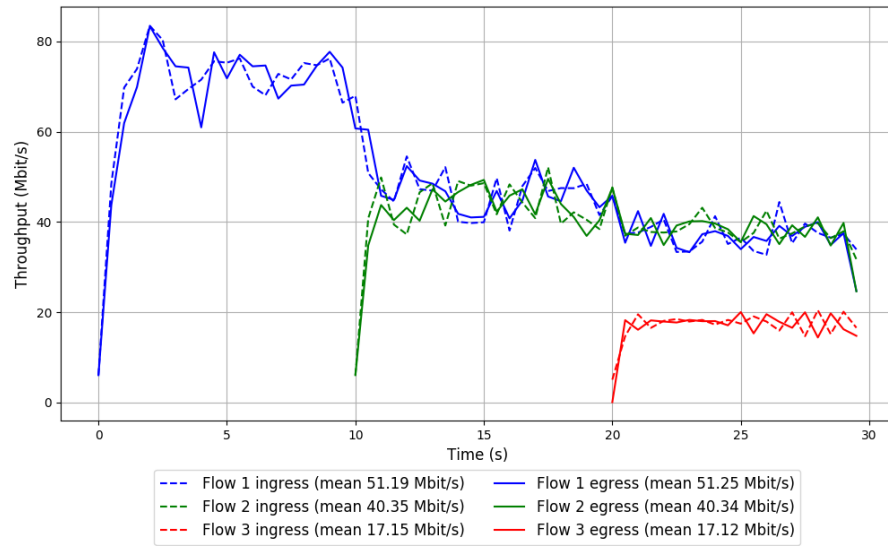


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-04 17:26:00
End at: 2018-02-04 17:26:30
Local clock offset: -0.168 ms
Remote clock offset: -5.793 ms

Below is generated by plot.py at 2018-02-05 01:32:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 110.799 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 109.882 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 110.647 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 112.650 ms
Loss rate: 2.14%

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

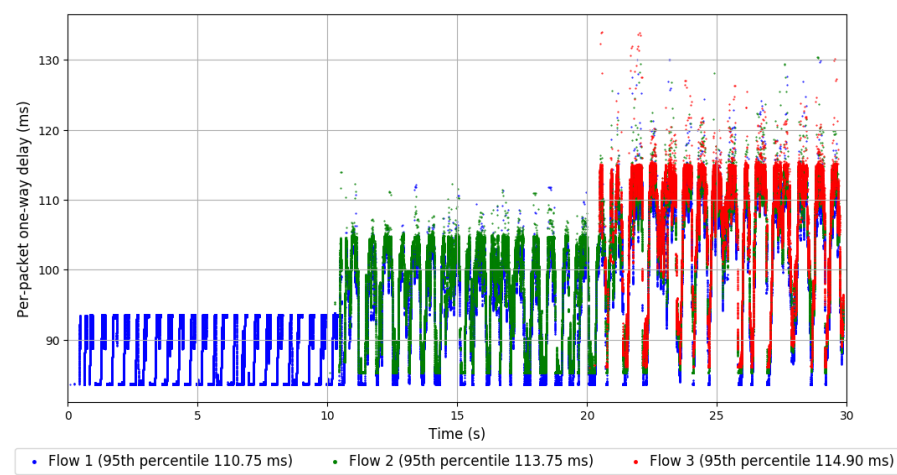
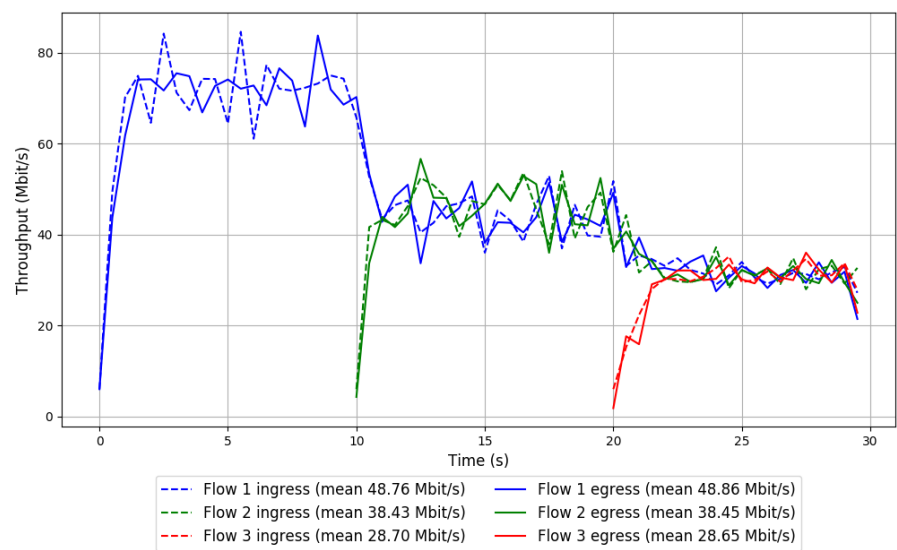


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-04 17:49:50
End at: 2018-02-04 17:50:20
Local clock offset: -0.023 ms
Remote clock offset: -4.401 ms

Below is generated by plot.py at 2018-02-05 01:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 113.258 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 110.745 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 113.749 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 114.903 ms
Loss rate: 2.21%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-04 18:13:47

End at: 2018-02-04 18:14:17

Local clock offset: -0.018 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-02-05 01:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.52 Mbit/s

95th percentile per-packet one-way delay: 102.084 ms

Loss rate: 11.69%

-- Flow 1:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 99.559 ms

Loss rate: 9.13%

-- Flow 2:

Average throughput: 33.19 Mbit/s

95th percentile per-packet one-way delay: 102.360 ms

Loss rate: 16.80%

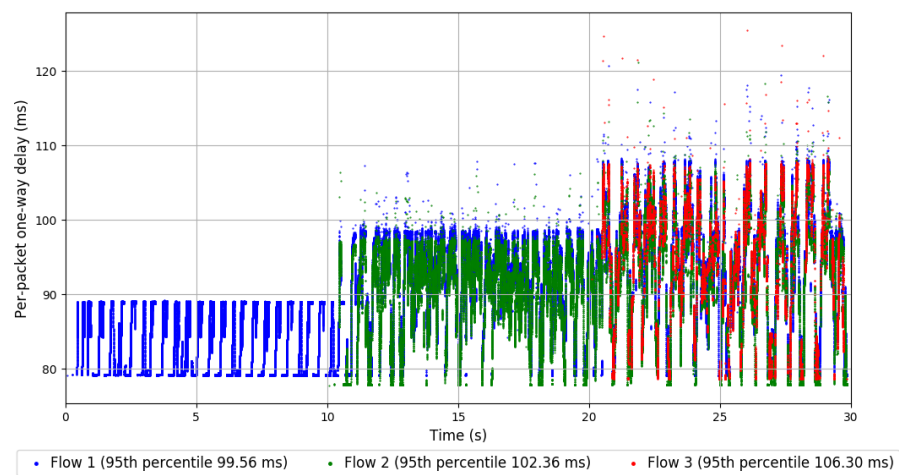
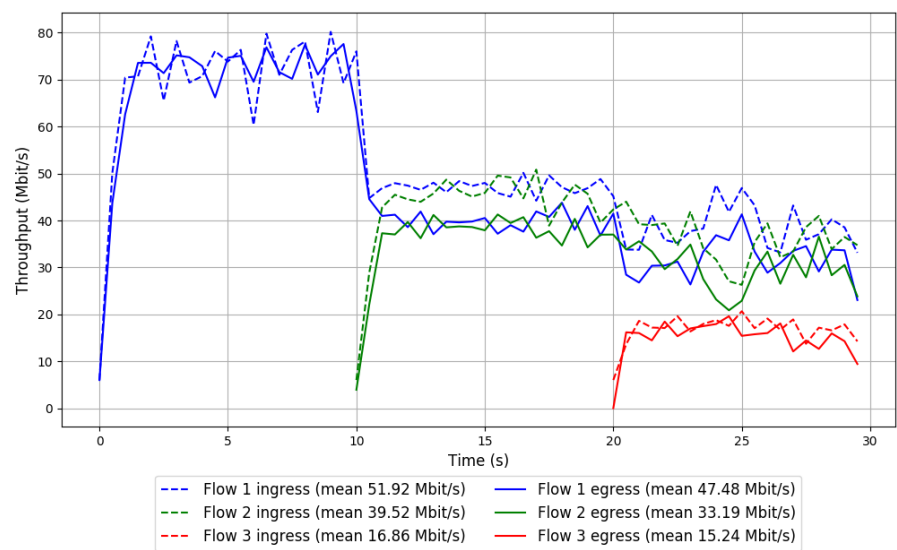
-- Flow 3:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 106.302 ms

Loss rate: 11.39%

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

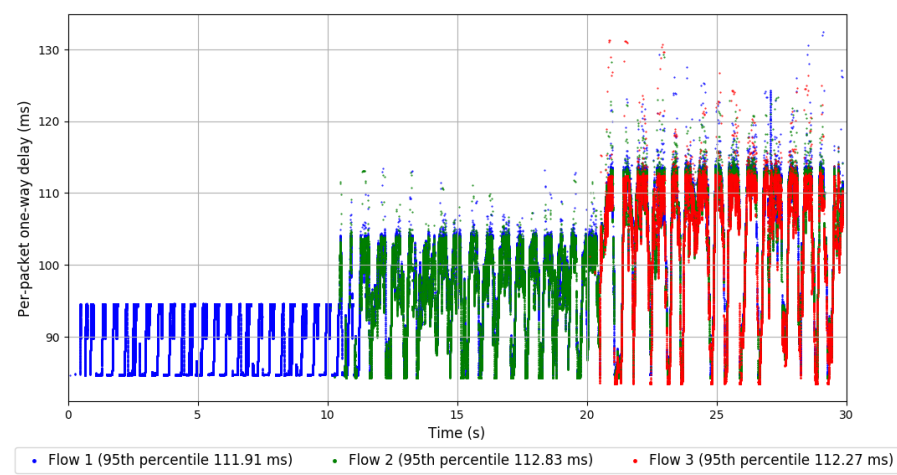
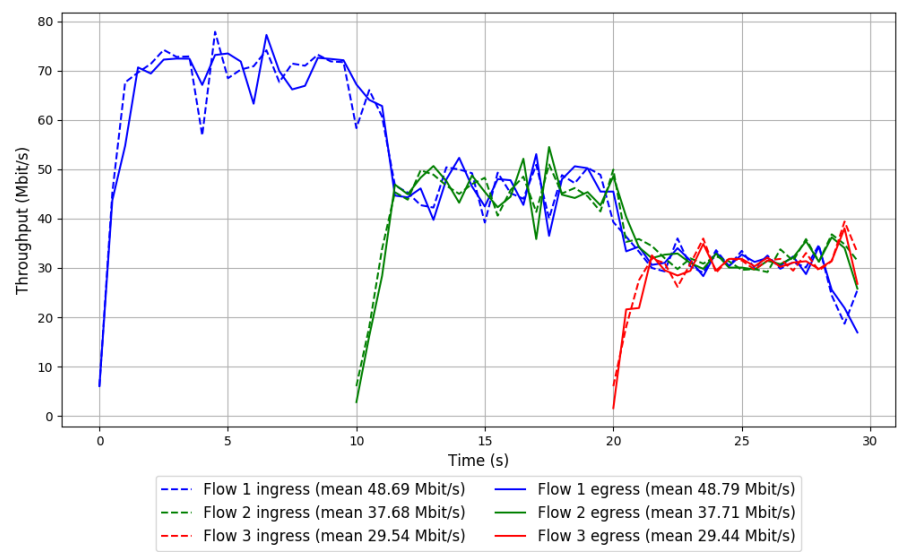


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-04 18:38:07
End at: 2018-02-04 18:38:37
Local clock offset: -0.041 ms
Remote clock offset: -5.156 ms

Below is generated by plot.py at 2018-02-05 01:32:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 112.362 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 111.905 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 112.835 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 112.269 ms
Loss rate: 2.49%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-04 19:02:01

End at: 2018-02-04 19:02:31

Local clock offset: -0.037 ms

Remote clock offset: 1.505 ms

Below is generated by plot.py at 2018-02-05 01:32:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.09 Mbit/s

95th percentile per-packet one-way delay: 107.341 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 49.82 Mbit/s

95th percentile per-packet one-way delay: 106.619 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 108.315 ms

Loss rate: 0.75%

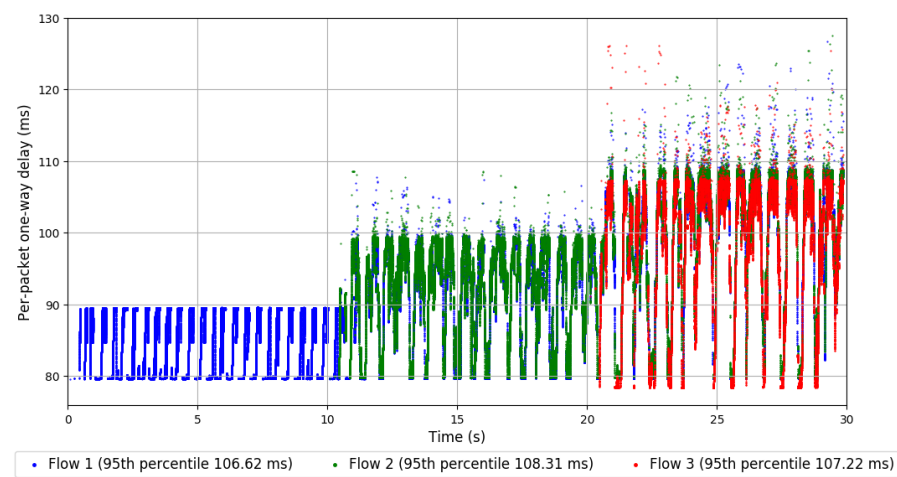
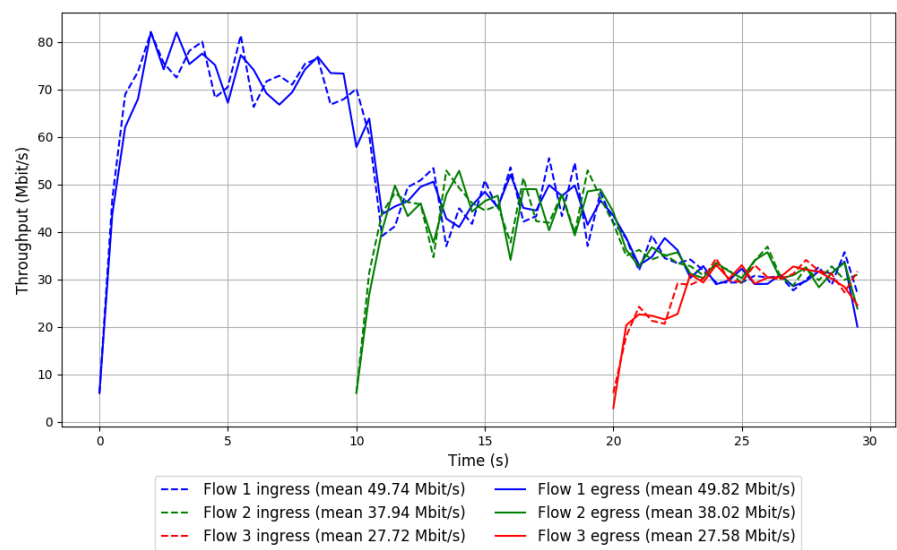
-- Flow 3:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 107.215 ms

Loss rate: 2.56%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-04 19:25:54

End at: 2018-02-04 19:26:24

Local clock offset: -0.063 ms

Remote clock offset: 3.852 ms

Below is generated by plot.py at 2018-02-05 01:32:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 101.279 ms

Loss rate: 13.71%

-- Flow 1:

Average throughput: 45.83 Mbit/s

95th percentile per-packet one-way delay: 97.699 ms

Loss rate: 12.21%

-- Flow 2:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 103.305 ms

Loss rate: 16.80%

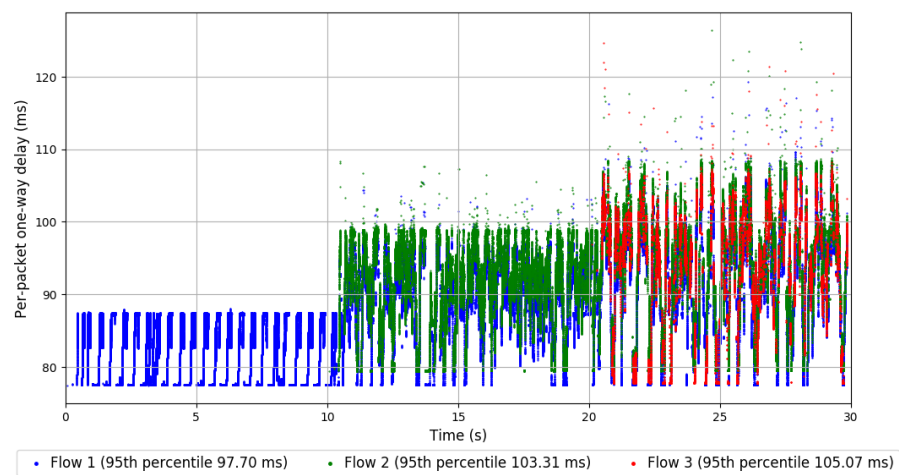
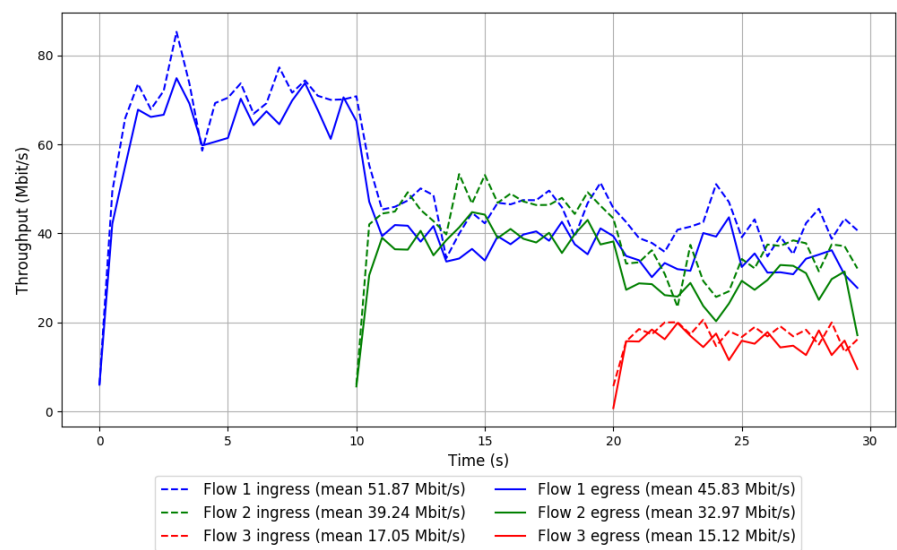
-- Flow 3:

Average throughput: 15.12 Mbit/s

95th percentile per-packet one-way delay: 105.067 ms

Loss rate: 13.28%

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

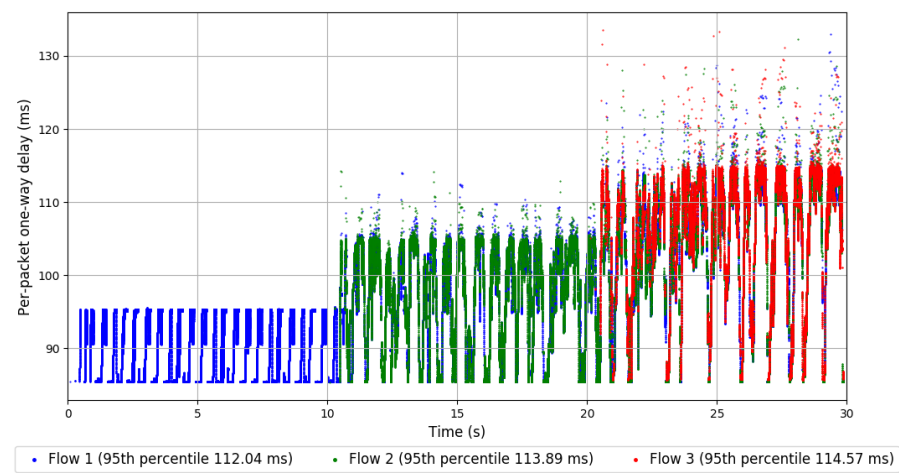
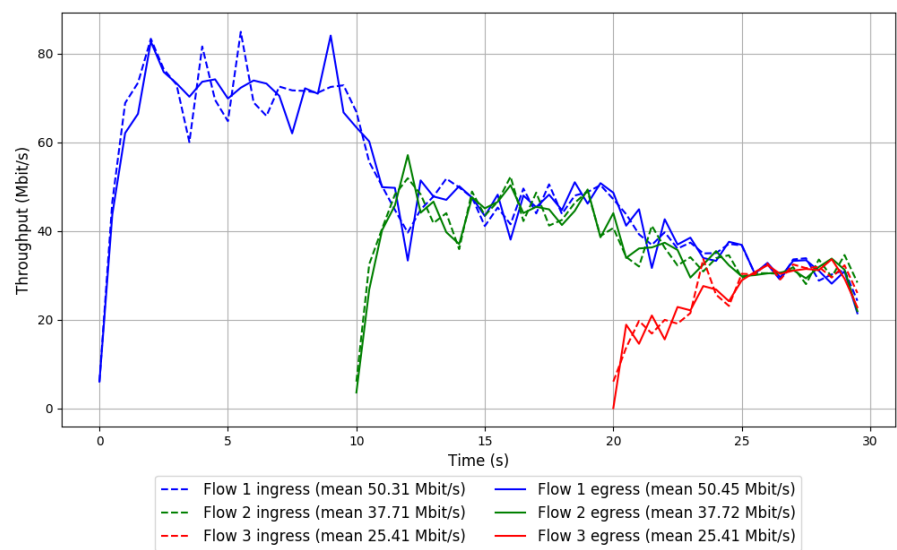


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-04 19:49:51
End at: 2018-02-04 19:50:21
Local clock offset: -0.12 ms
Remote clock offset: -2.308 ms

Below is generated by plot.py at 2018-02-05 01:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 113.859 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 112.039 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 113.885 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 114.570 ms
Loss rate: 2.05%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-04 20:13:41

End at: 2018-02-04 20:14:11

Local clock offset: -0.035 ms

Remote clock offset: 3.879 ms

Below is generated by plot.py at 2018-02-05 01:32:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 103.512 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 51.43 Mbit/s

95th percentile per-packet one-way delay: 103.038 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 103.506 ms

Loss rate: 0.95%

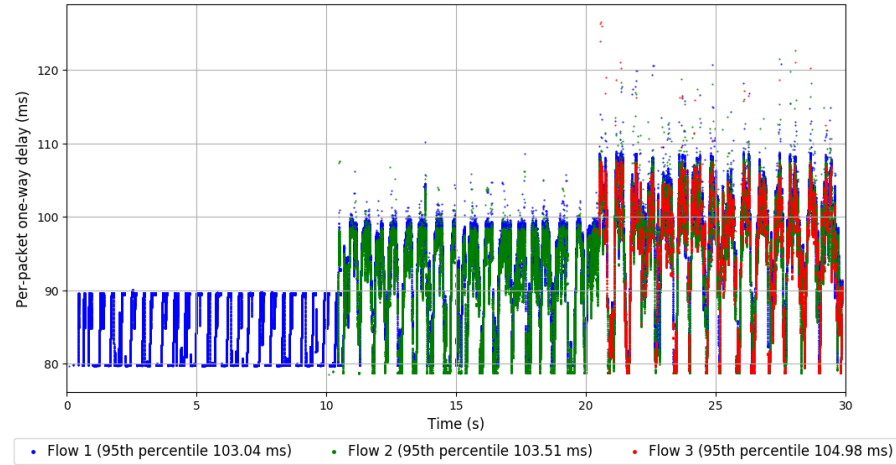
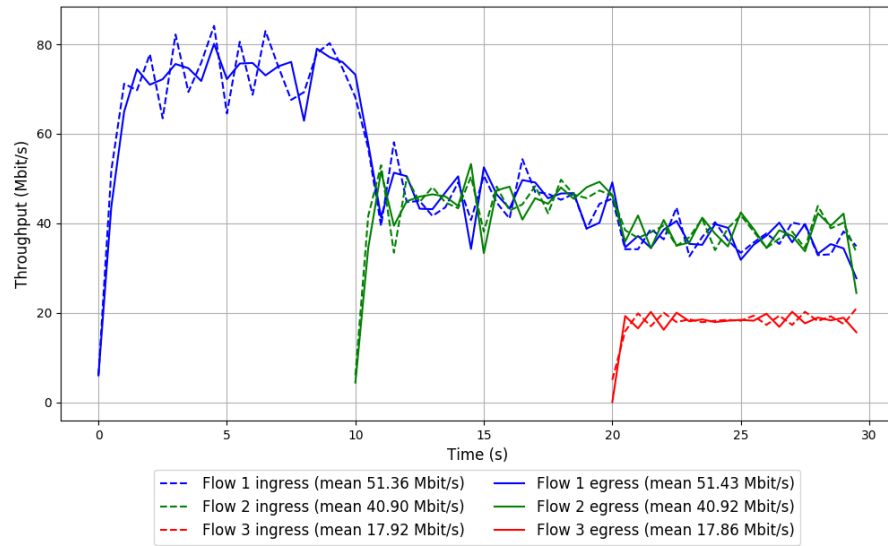
-- Flow 3:

Average throughput: 17.86 Mbit/s

95th percentile per-packet one-way delay: 104.976 ms

Loss rate: 2.37%

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

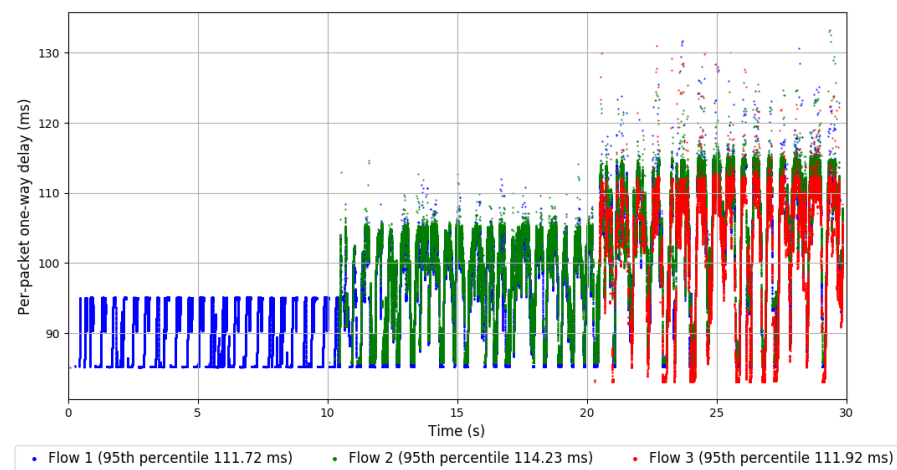
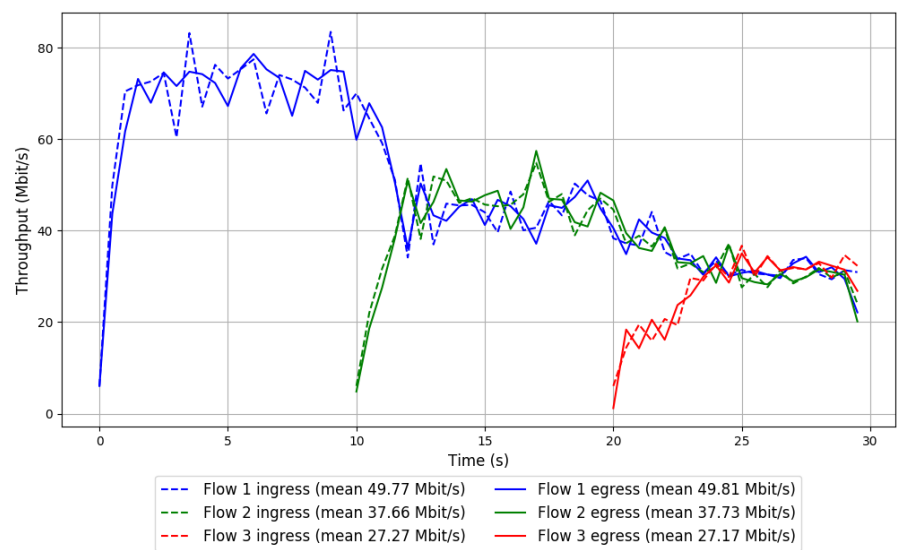


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-04 20:37:40
End at: 2018-02-04 20:38:10
Local clock offset: -0.005 ms
Remote clock offset: -0.754 ms

Below is generated by plot.py at 2018-02-05 01:34:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 112.742 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 111.719 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 114.233 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 111.919 ms
Loss rate: 2.38%

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

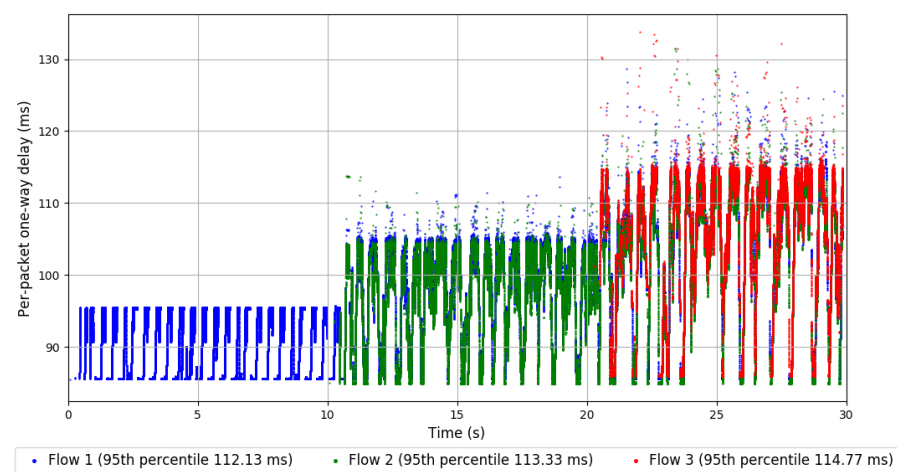
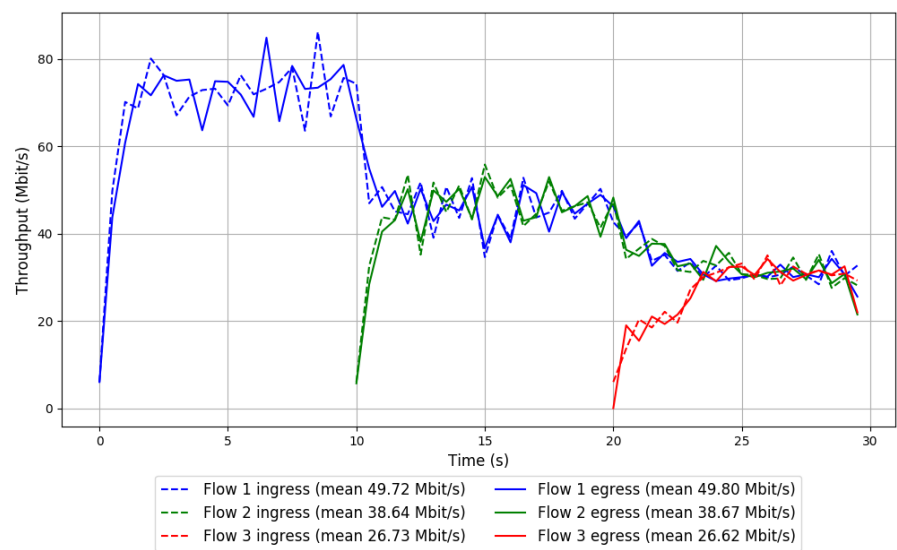


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-04 21:01:30
End at: 2018-02-04 21:02:00
Local clock offset: -0.142 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 113.653 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 112.133 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 113.335 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 114.765 ms
Loss rate: 2.43%

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

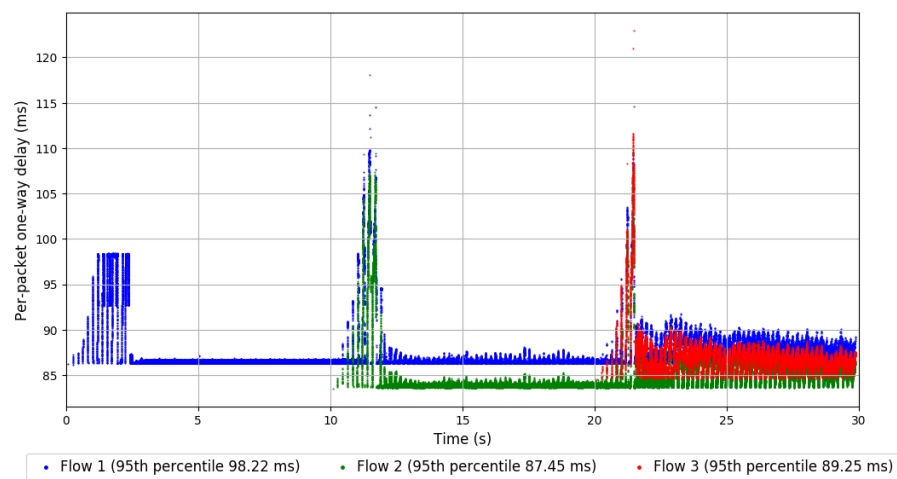
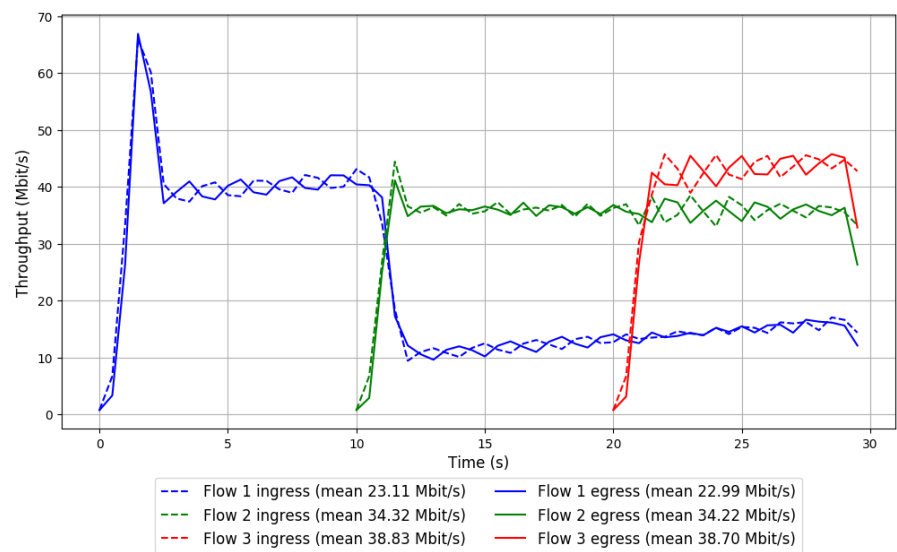


Run 1: Statistics of TCP Vegas

Start at: 2018-02-04 17:40:36
End at: 2018-02-04 17:41:06
Local clock offset: -0.057 ms
Remote clock offset: -4.804 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 95.400 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 98.221 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 87.448 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 89.252 ms
Loss rate: 2.12%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-04 18:04:31

End at: 2018-02-04 18:05:01

Local clock offset: -0.03 ms

Remote clock offset: 1.38 ms

Below is generated by plot.py at 2018-02-05 01:34:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.39 Mbit/s

95th percentile per-packet one-way delay: 91.856 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 16.93 Mbit/s

95th percentile per-packet one-way delay: 91.342 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 16.59 Mbit/s

95th percentile per-packet one-way delay: 92.152 ms

Loss rate: 1.54%

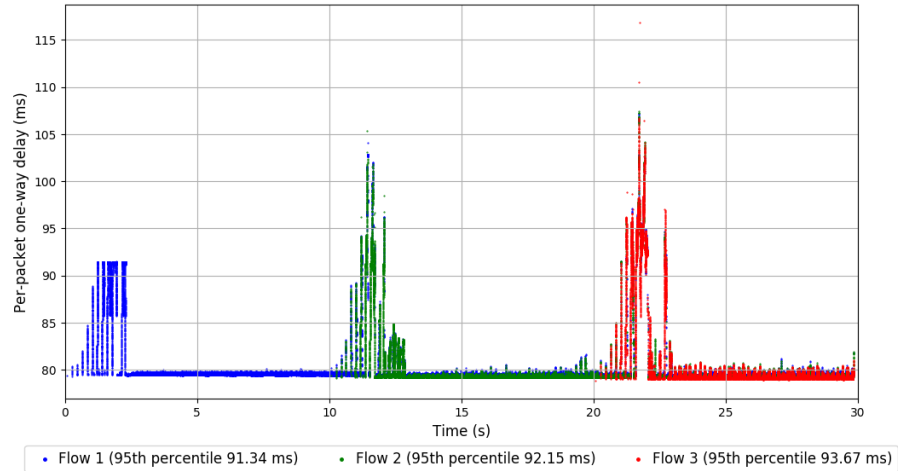
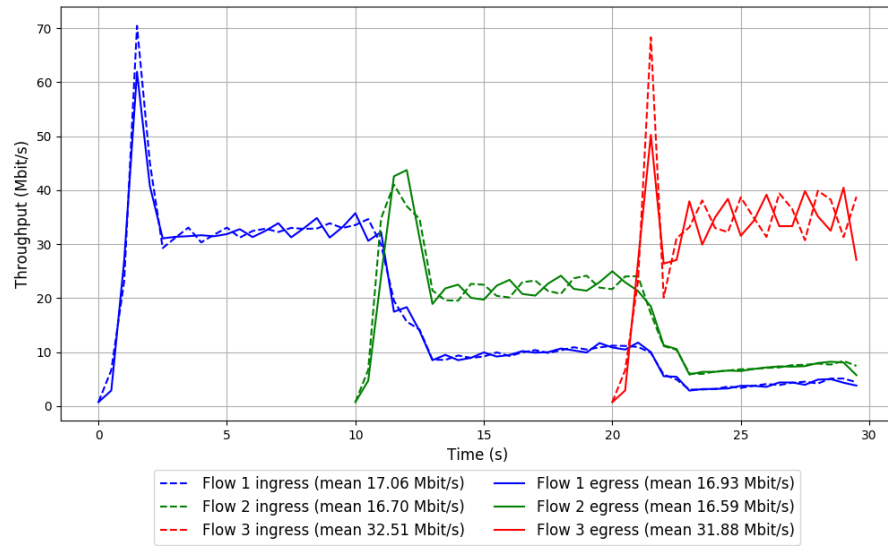
-- Flow 3:

Average throughput: 31.88 Mbit/s

95th percentile per-packet one-way delay: 93.668 ms

Loss rate: 3.76%

Run 2: Report of TCP Vegas — Data Link

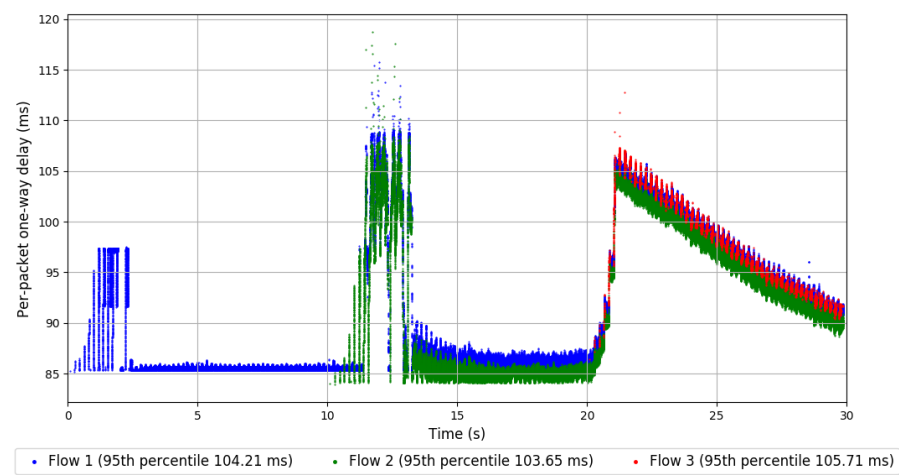
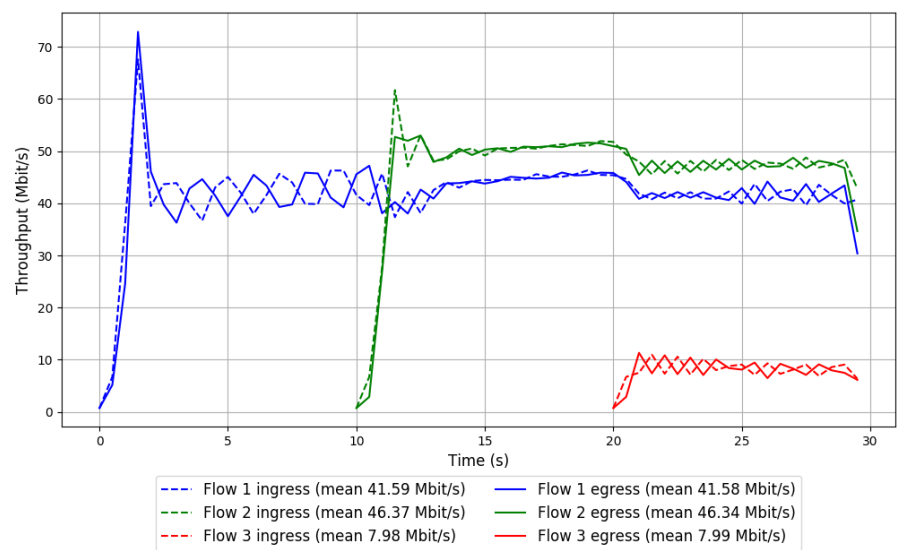


Run 3: Statistics of TCP Vegas

Start at: 2018-02-04 18:28:37
End at: 2018-02-04 18:29:07
Local clock offset: -0.066 ms
Remote clock offset: -6.401 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 104.048 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 104.208 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 46.34 Mbit/s
95th percentile per-packet one-way delay: 103.646 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 105.713 ms
Loss rate: 1.95%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-04 18:52:44

End at: 2018-02-04 18:53:14

Local clock offset: -0.021 ms

Remote clock offset: 0.866 ms

Below is generated by plot.py at 2018-02-05 01:34:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.51 Mbit/s

95th percentile per-packet one-way delay: 114.193 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 113.466 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 113.908 ms

Loss rate: 0.78%

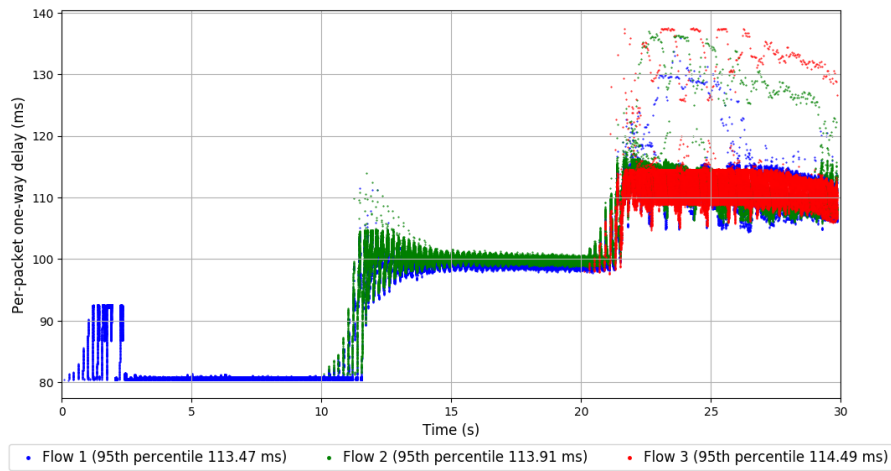
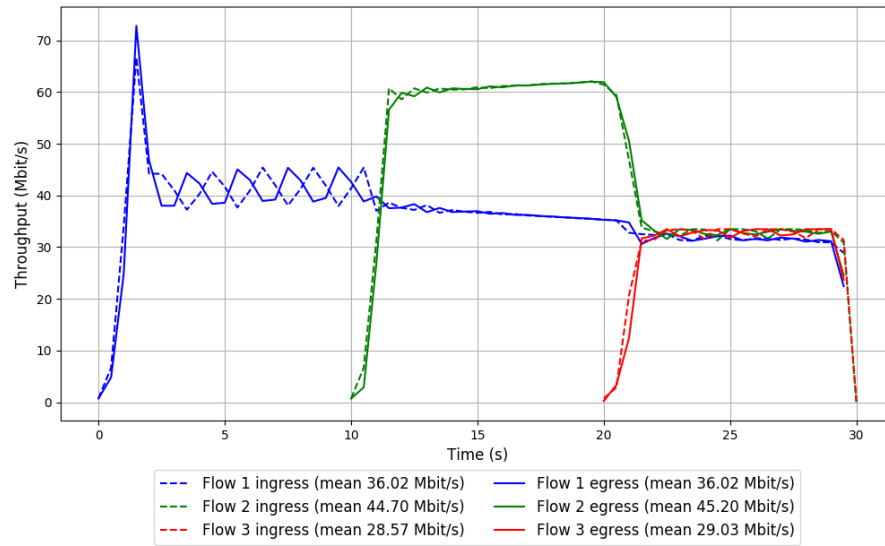
-- Flow 3:

Average throughput: 29.03 Mbit/s

95th percentile per-packet one-way delay: 114.493 ms

Loss rate: 2.49%

Run 4: Report of TCP Vegas — Data Link

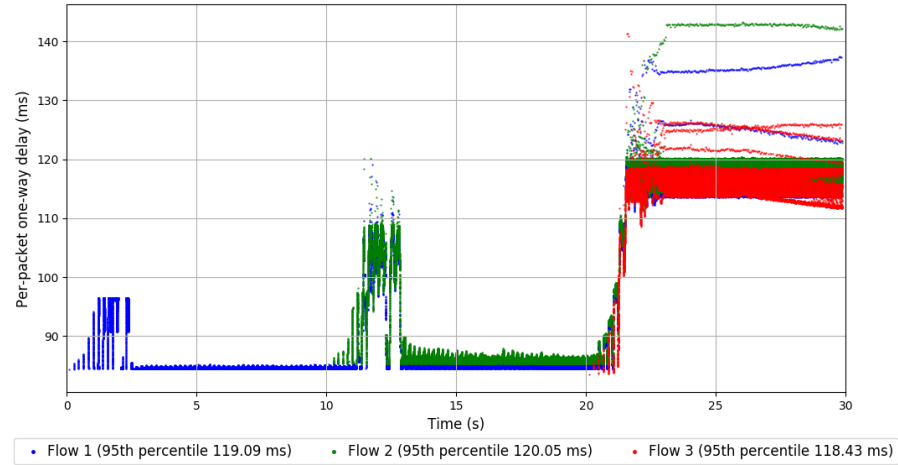
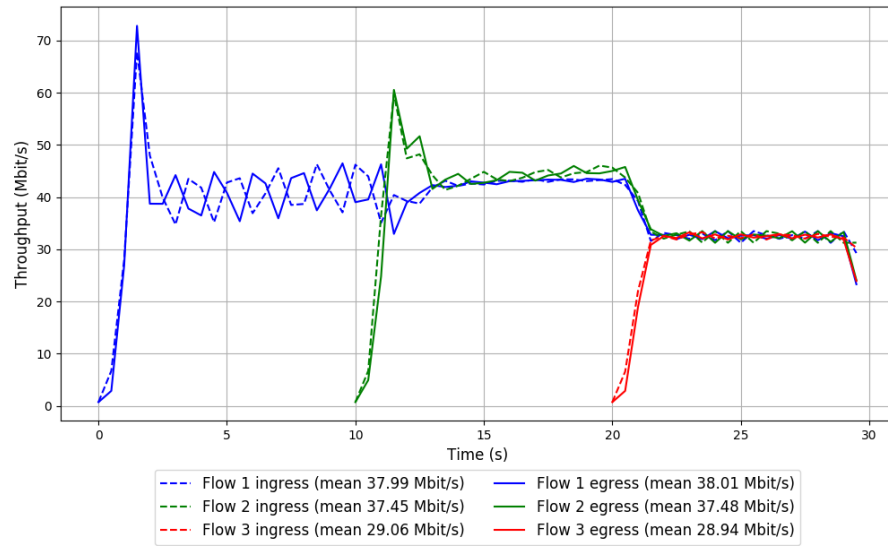


Run 5: Statistics of TCP Vegas

Start at: 2018-02-04 19:16:39
End at: 2018-02-04 19:17:09
Local clock offset: -0.116 ms
Remote clock offset: -2.349 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.34 Mbit/s
95th percentile per-packet one-way delay: 119.748 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 119.088 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 120.052 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 118.427 ms
Loss rate: 2.43%

Run 5: Report of TCP Vegas — Data Link

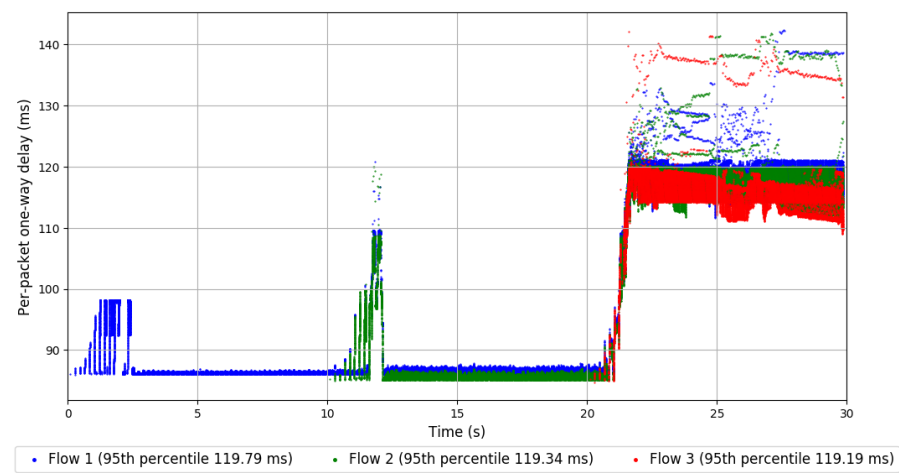
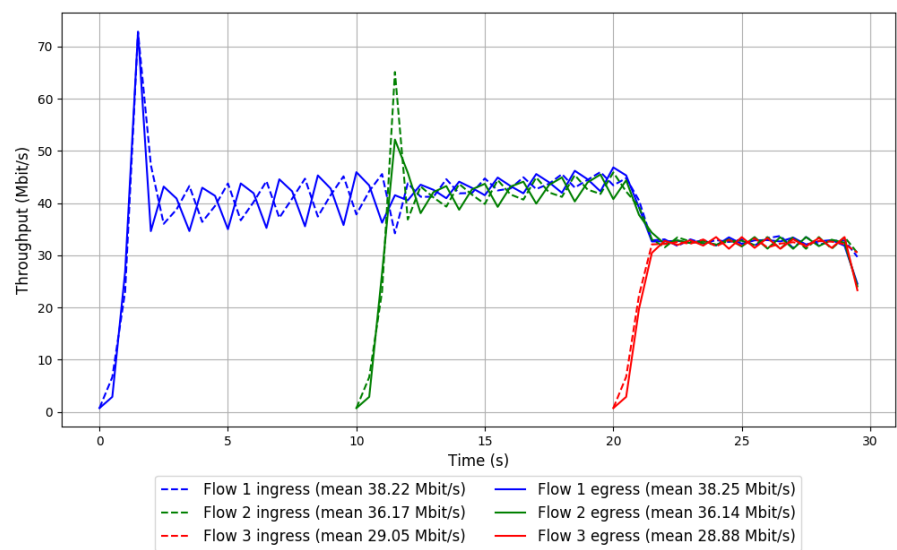


Run 6: Statistics of TCP Vegas

Start at: 2018-02-04 19:40:38
End at: 2018-02-04 19:41:08
Local clock offset: -0.143 ms
Remote clock offset: -1.553 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 119.501 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 119.786 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 119.336 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 119.188 ms
Loss rate: 2.41%

Run 6: Report of TCP Vegas — Data Link

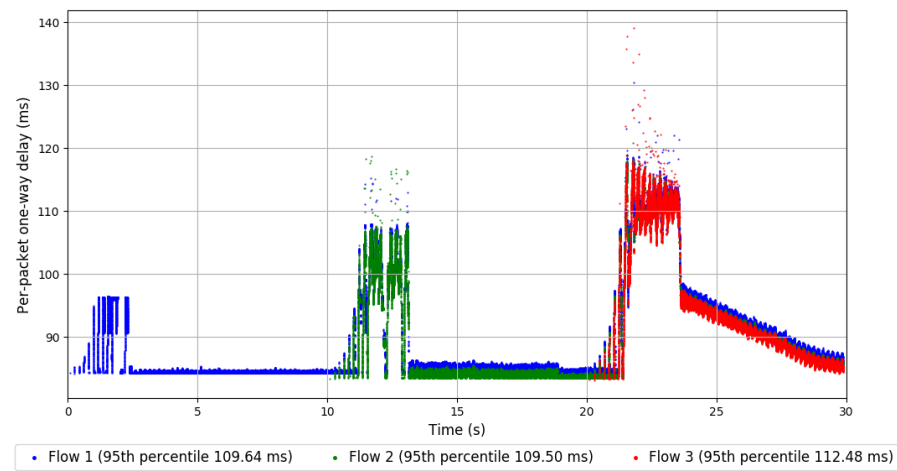
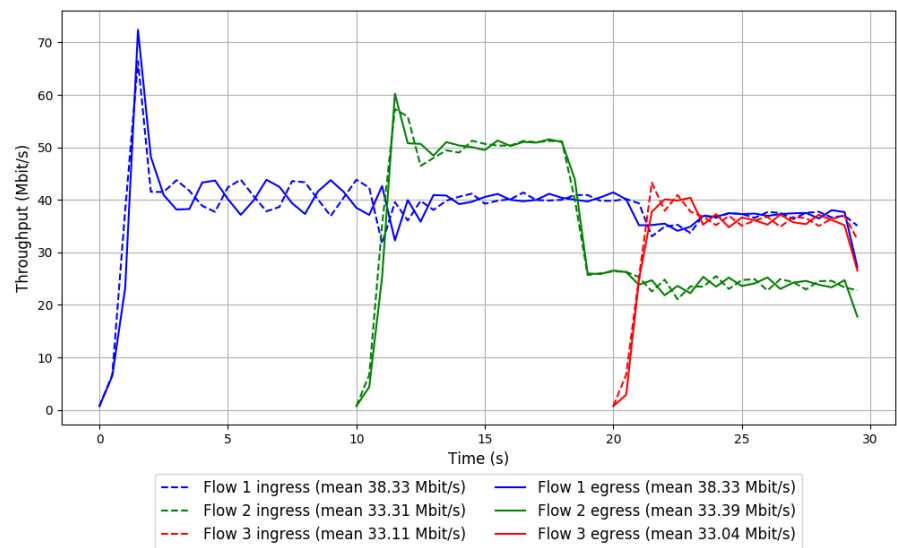


Run 7: Statistics of TCP Vegas

Start at: 2018-02-04 20:04:25
End at: 2018-02-04 20:04:55
Local clock offset: -0.128 ms
Remote clock offset: -0.965 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 110.572 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 109.644 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 109.503 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 112.478 ms
Loss rate: 2.02%

Run 7: Report of TCP Vegas — Data Link

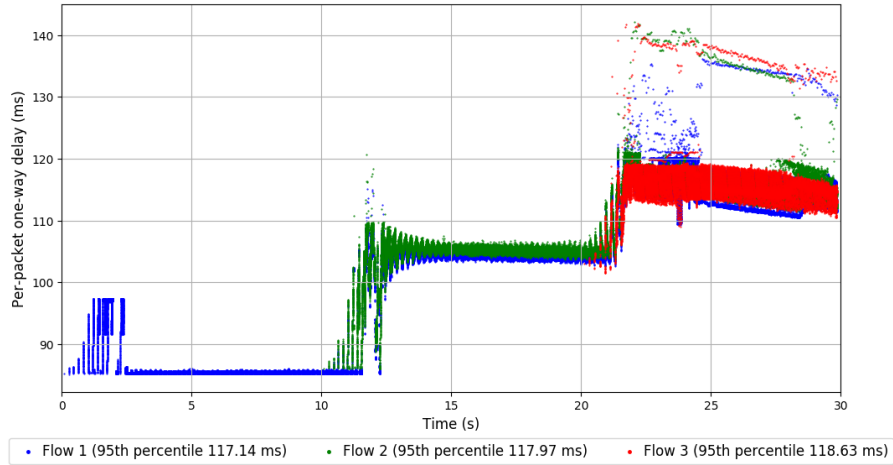
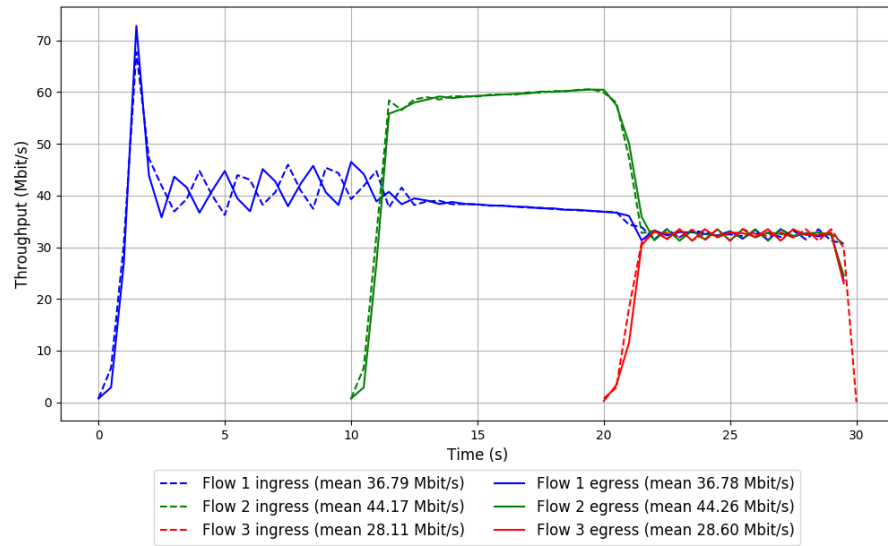


Run 8: Statistics of TCP Vegas

Start at: 2018-02-04 20:28:20
End at: 2018-02-04 20:28:50
Local clock offset: -0.012 ms
Remote clock offset: -1.672 ms

Below is generated by plot.py at 2018-02-05 01:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.51 Mbit/s
95th percentile per-packet one-way delay: 117.984 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 117.142 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 117.971 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 118.630 ms
Loss rate: 2.51%

Run 8: Report of TCP Vegas — Data Link

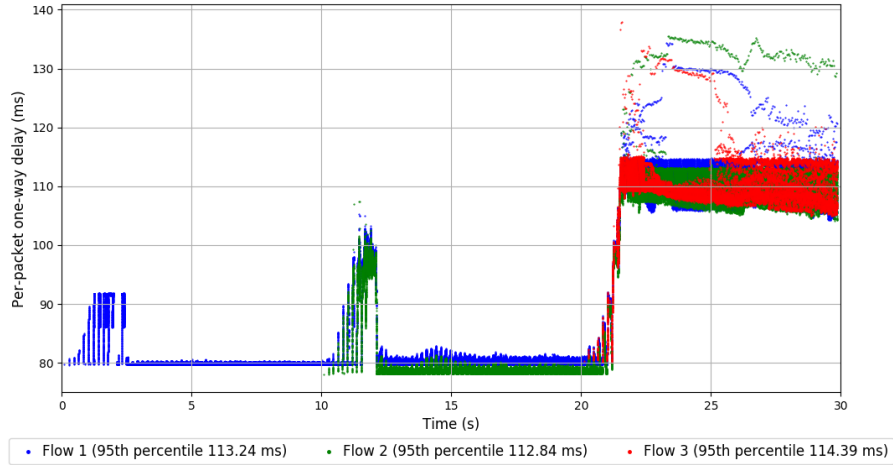
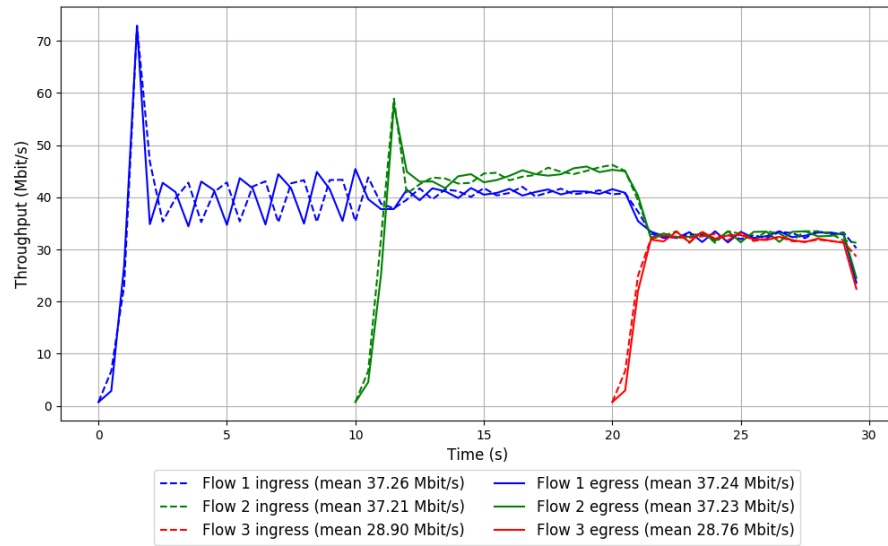


Run 9: Statistics of TCP Vegas

Start at: 2018-02-04 20:52:18
End at: 2018-02-04 20:52:48
Local clock offset: -0.043 ms
Remote clock offset: 4.14 ms

Below is generated by plot.py at 2018-02-05 01:34:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.38 Mbit/s
95th percentile per-packet one-way delay: 113.160 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 113.244 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 112.837 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 114.390 ms
Loss rate: 2.27%

Run 9: Report of TCP Vegas — Data Link

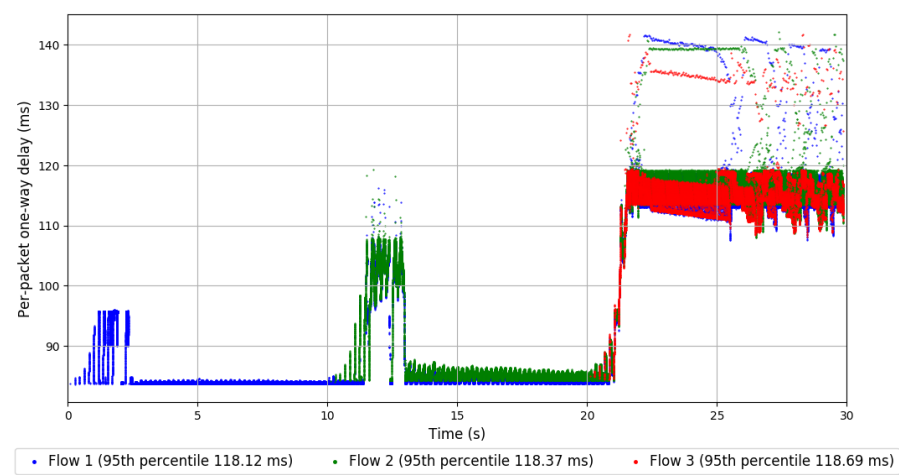
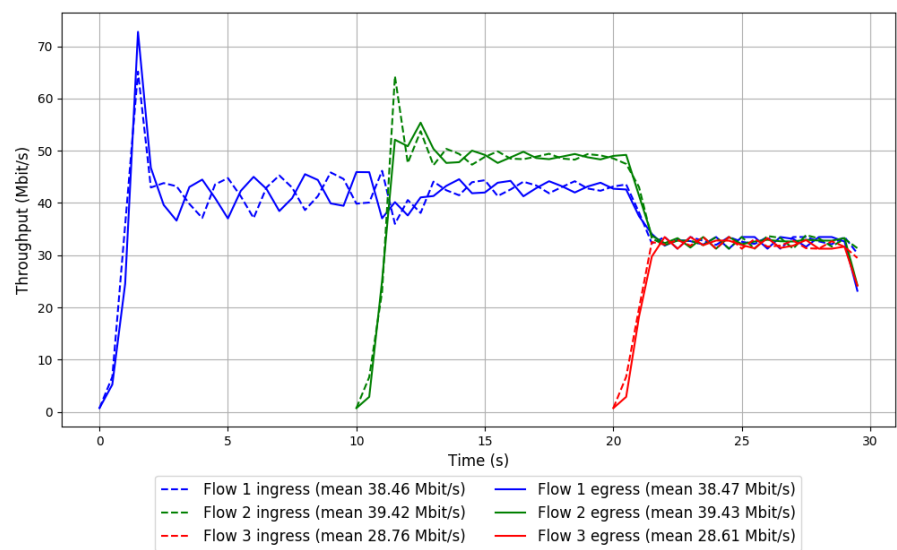


Run 10: Statistics of TCP Vegas

Start at: 2018-02-04 21:16:05
End at: 2018-02-04 21:16:35
Local clock offset: -0.104 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-02-05 01:34:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 118.307 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 118.121 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 118.367 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 118.692 ms
Loss rate: 2.35%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-04 17:23:19

End at: 2018-02-04 17:23:49

Local clock offset: -0.094 ms

Remote clock offset: 0.629 ms

Below is generated by plot.py at 2018-02-05 01:34:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.64 Mbit/s

95th percentile per-packet one-way delay: 112.075 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 34.35 Mbit/s

95th percentile per-packet one-way delay: 110.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 111.842 ms

Loss rate: 0.04%

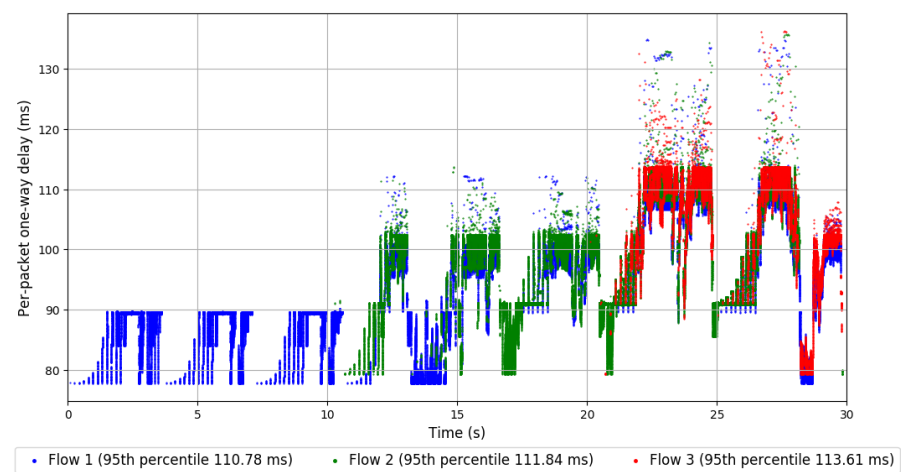
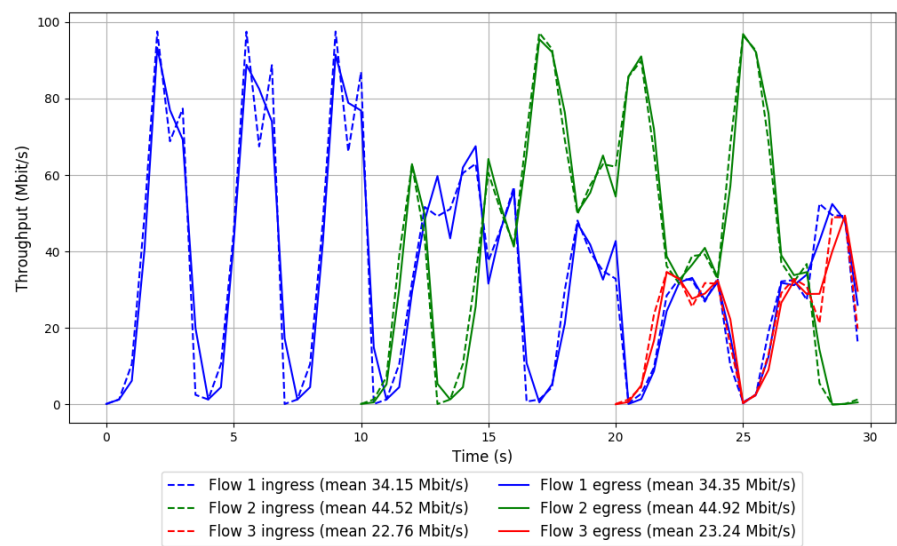
-- Flow 3:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 113.613 ms

Loss rate: 0.01%

Run 1: Report of Verus — Data Link

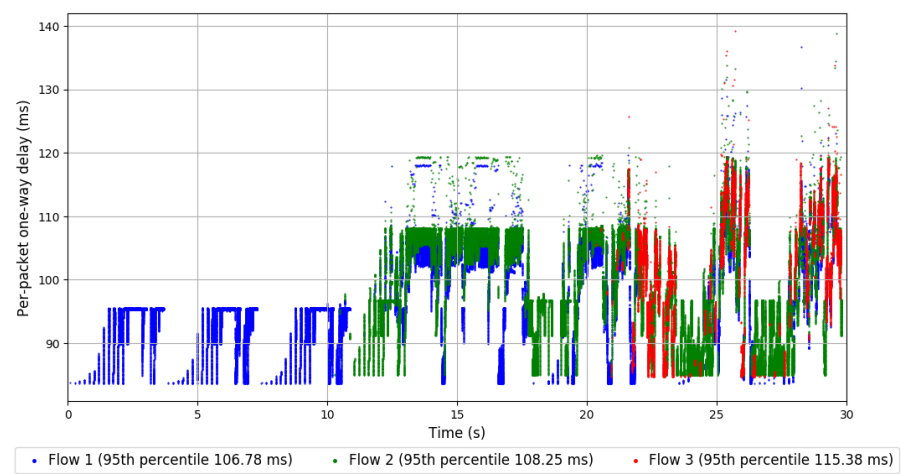
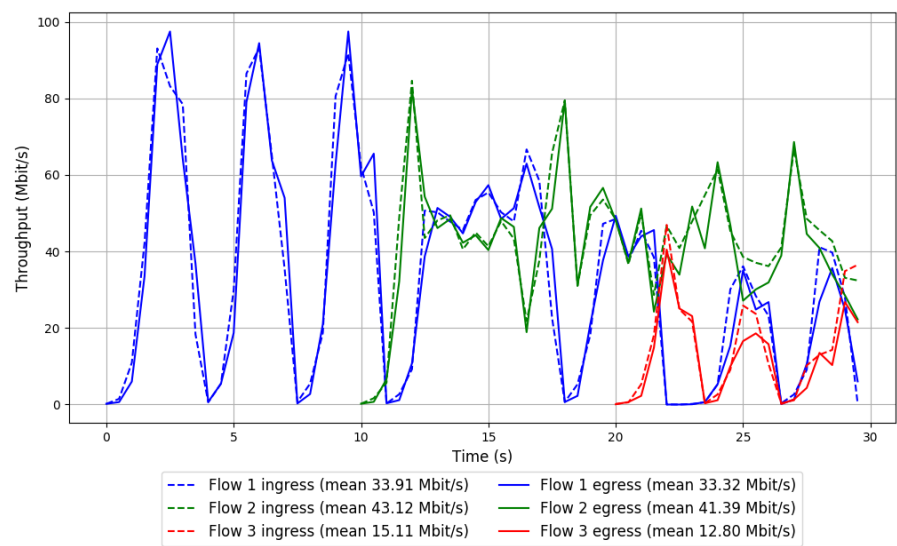


Run 2: Statistics of Verus

Start at: 2018-02-04 17:47:09
End at: 2018-02-04 17:47:39
Local clock offset: -0.019 ms
Remote clock offset: -4.595 ms

Below is generated by plot.py at 2018-02-05 01:34:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 108.663 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 106.778 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 108.255 ms
Loss rate: 5.21%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 115.376 ms
Loss rate: 17.79%

Run 2: Report of Verus — Data Link

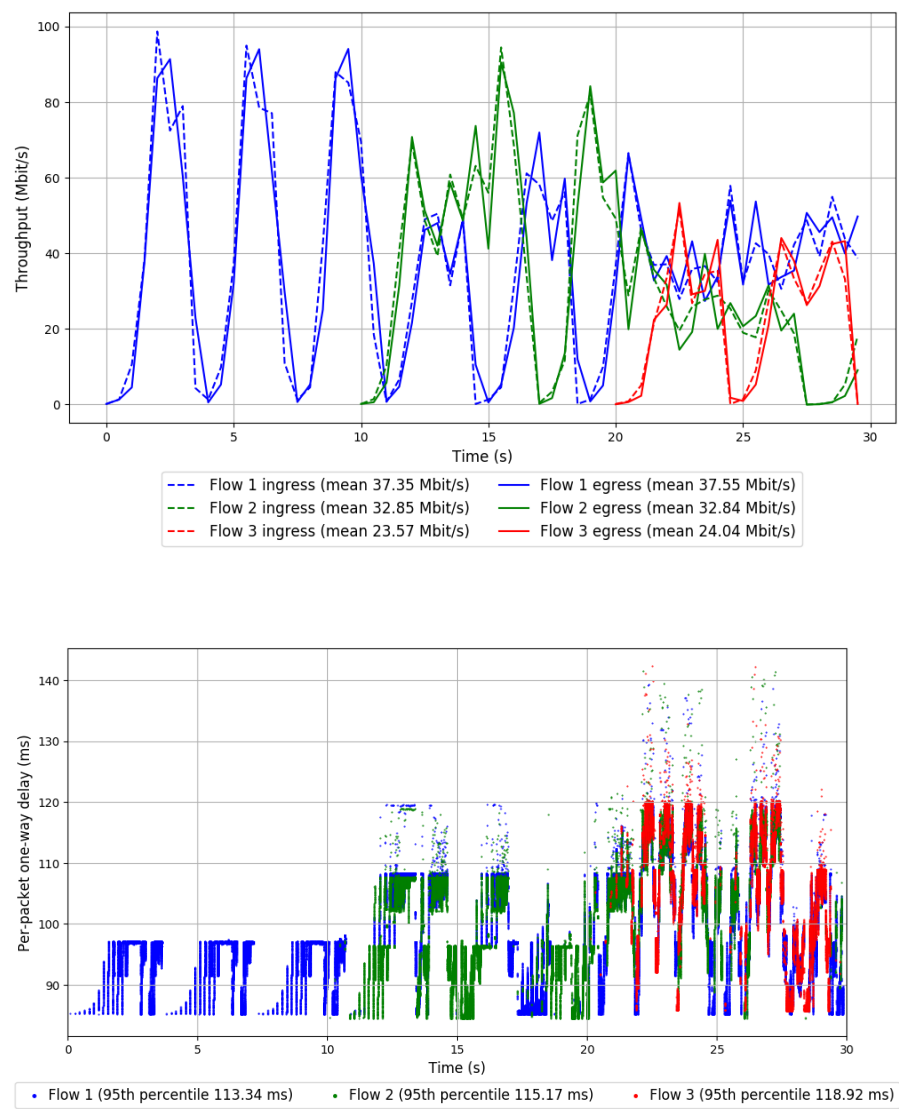


Run 3: Statistics of Verus

Start at: 2018-02-04 18:11:04
End at: 2018-02-04 18:11:34
Local clock offset: -0.019 ms
Remote clock offset: -5.317 ms

Below is generated by plot.py at 2018-02-05 01:35:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.06 Mbit/s
95th percentile per-packet one-way delay: 115.415 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 113.336 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 115.172 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 118.925 ms
Loss rate: 0.04%

Run 3: Report of Verus — Data Link

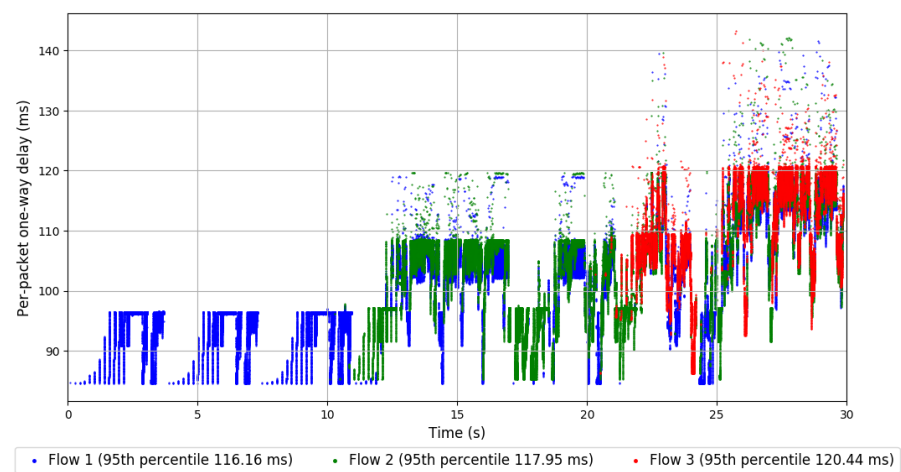
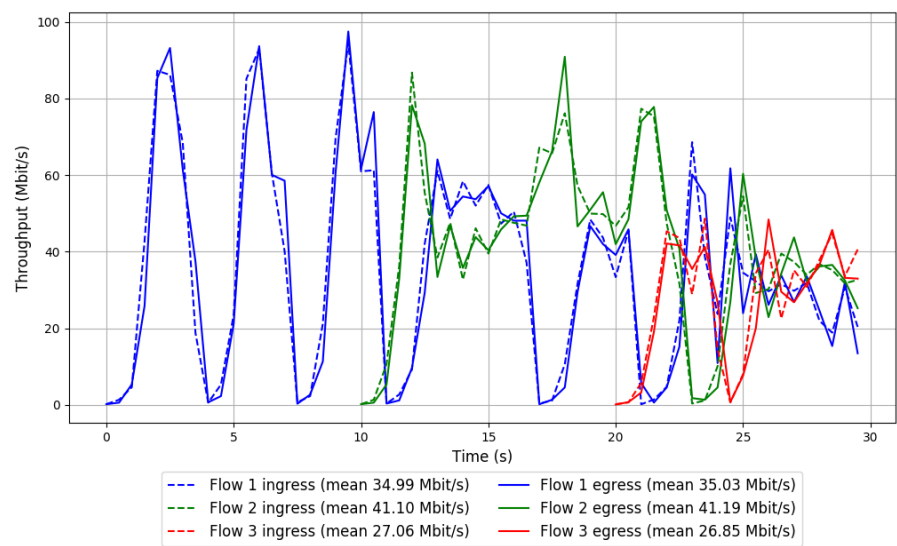


Run 4: Statistics of Verus

Start at: 2018-02-04 18:35:25
End at: 2018-02-04 18:35:55
Local clock offset: -0.024 ms
Remote clock offset: -5.258 ms

Below is generated by plot.py at 2018-02-05 01:35:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 118.195 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 116.158 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 117.947 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 120.436 ms
Loss rate: 2.92%

Run 4: Report of Verus — Data Link

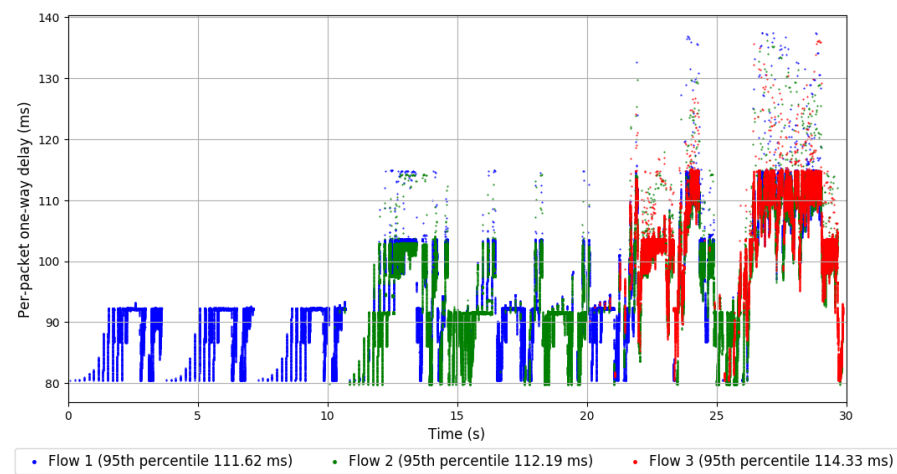
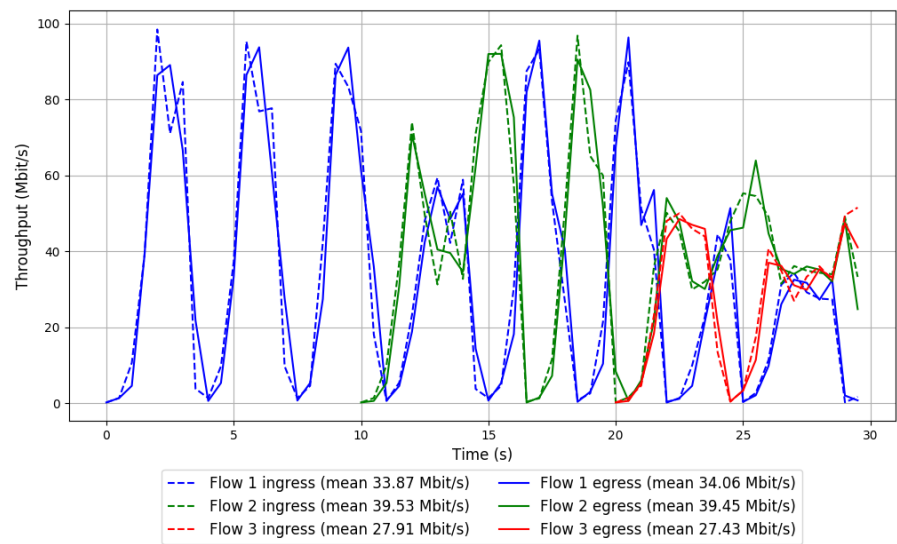


Run 5: Statistics of Verus

Start at: 2018-02-04 18:59:19
End at: 2018-02-04 18:59:49
Local clock offset: -0.048 ms
Remote clock offset: 1.319 ms

Below is generated by plot.py at 2018-02-05 01:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 112.705 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 111.624 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 112.193 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 114.327 ms
Loss rate: 3.67%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-04 19:23:14

End at: 2018-02-04 19:23:44

Local clock offset: -0.06 ms

Remote clock offset: 3.694 ms

Below is generated by plot.py at 2018-02-05 01:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.65 Mbit/s

95th percentile per-packet one-way delay: 103.159 ms

Loss rate: 12.89%

-- Flow 1:

Average throughput: 29.54 Mbit/s

95th percentile per-packet one-way delay: 101.869 ms

Loss rate: 12.41%

-- Flow 2:

Average throughput: 33.82 Mbit/s

95th percentile per-packet one-way delay: 103.272 ms

Loss rate: 12.83%

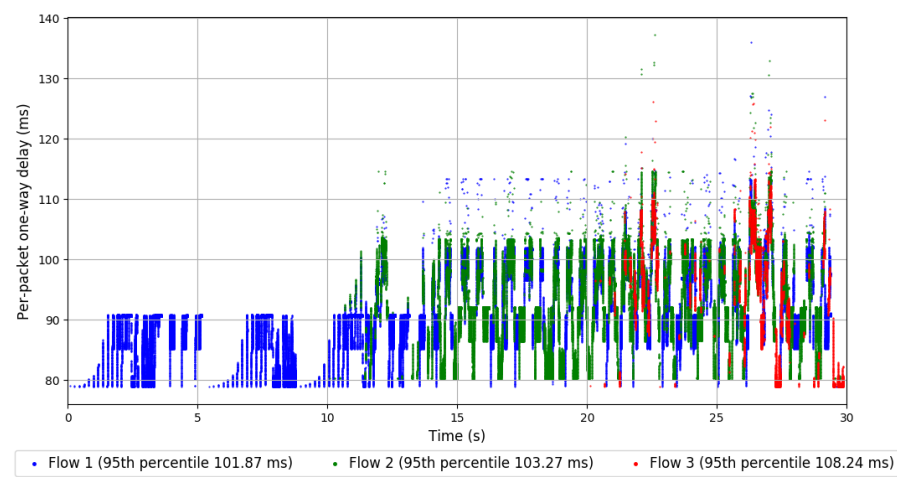
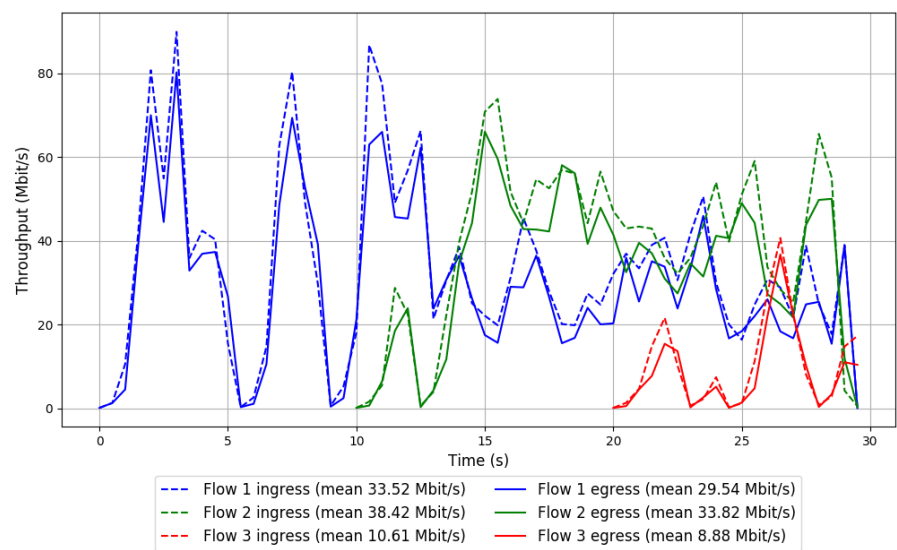
-- Flow 3:

Average throughput: 8.88 Mbit/s

95th percentile per-packet one-way delay: 108.239 ms

Loss rate: 17.87%

Run 6: Report of Verus — Data Link

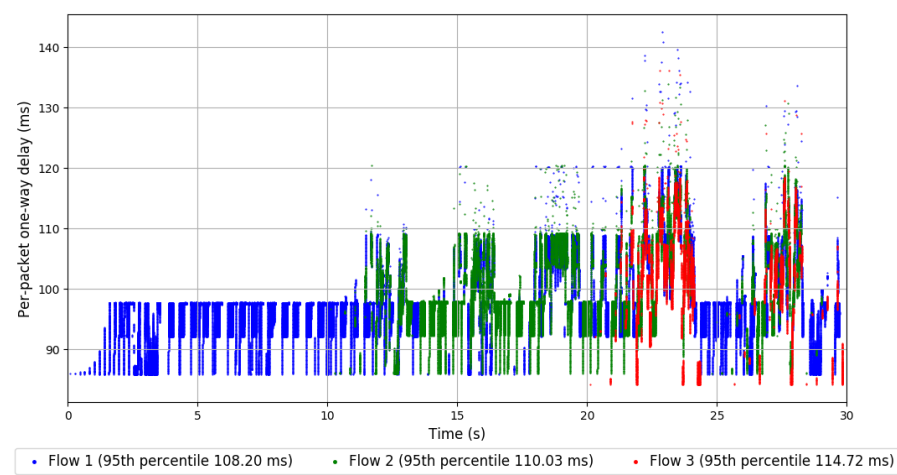
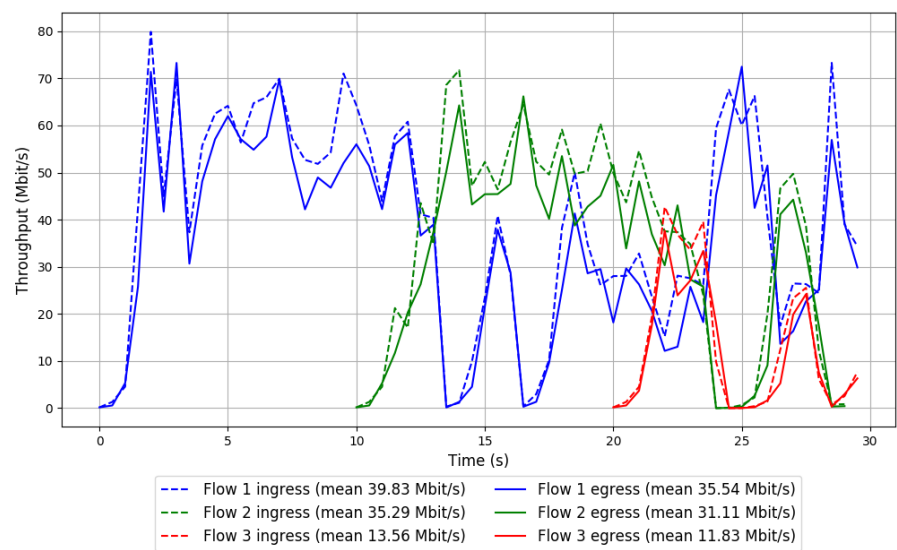


Run 7: Statistics of Verus

Start at: 2018-02-04 19:47:10
End at: 2018-02-04 19:47:40
Local clock offset: -0.149 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-02-05 01:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 109.100 ms
Loss rate: 12.17%
-- Flow 1:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 108.199 ms
Loss rate: 11.61%
-- Flow 2:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 110.032 ms
Loss rate: 12.77%
-- Flow 3:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 114.724 ms
Loss rate: 14.08%

Run 7: Report of Verus — Data Link

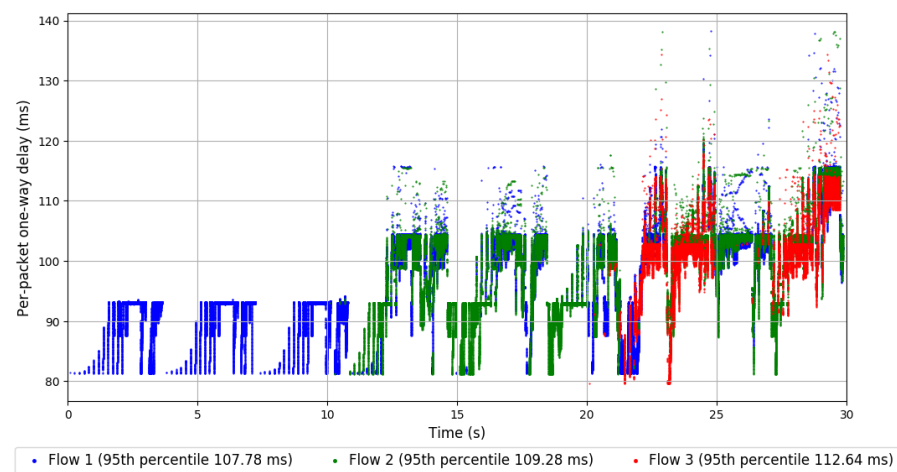
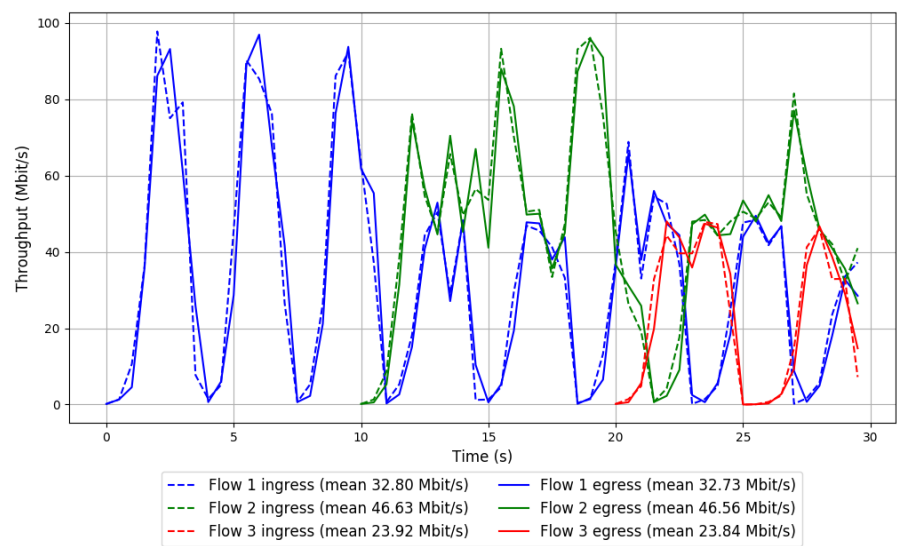


Run 8: Statistics of Verus

Start at: 2018-02-04 20:11:00
End at: 2018-02-04 20:11:30
Local clock offset: -0.034 ms
Remote clock offset: 3.964 ms

Below is generated by plot.py at 2018-02-05 01:36:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 110.350 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 107.775 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 109.282 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 112.641 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-04 20:34:57

End at: 2018-02-04 20:35:27

Local clock offset: -0.068 ms

Remote clock offset: -1.58 ms

Below is generated by plot.py at 2018-02-05 01:36:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.85 Mbit/s

95th percentile per-packet one-way delay: 117.851 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 46.29 Mbit/s

95th percentile per-packet one-way delay: 116.505 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 117.833 ms

Loss rate: 1.32%

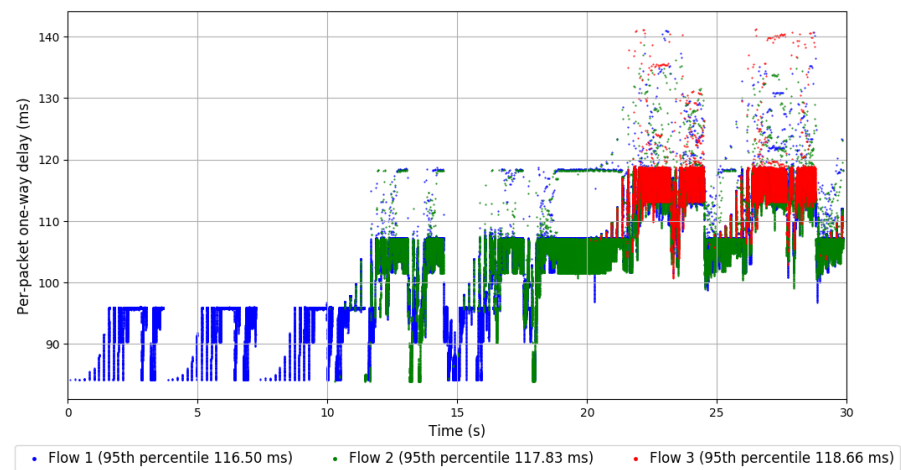
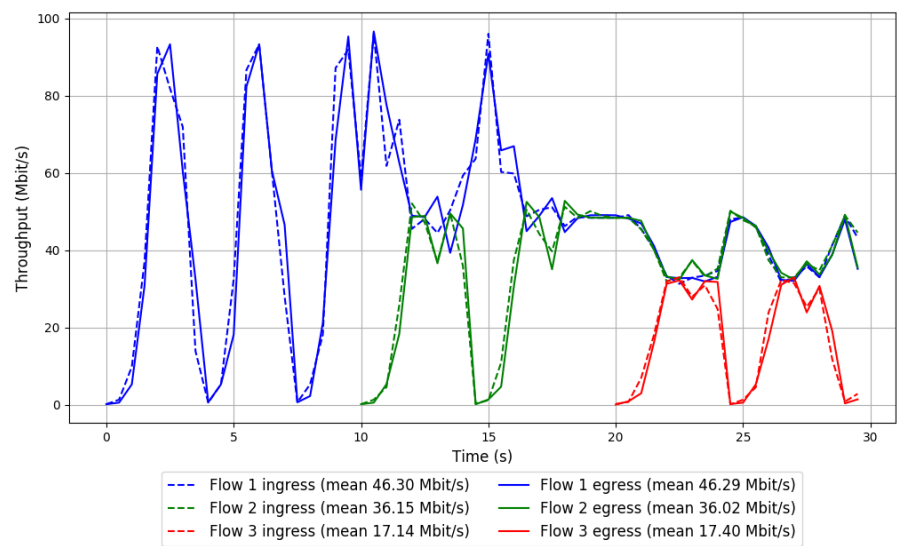
-- Flow 3:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 118.661 ms

Loss rate: 0.56%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-04 20:58:50

End at: 2018-02-04 20:59:20

Local clock offset: -0.061 ms

Remote clock offset: 3.999 ms

Below is generated by plot.py at 2018-02-05 01:36:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.96 Mbit/s

95th percentile per-packet one-way delay: 113.510 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 36.94 Mbit/s

95th percentile per-packet one-way delay: 111.945 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 113.370 ms

Loss rate: 1.95%

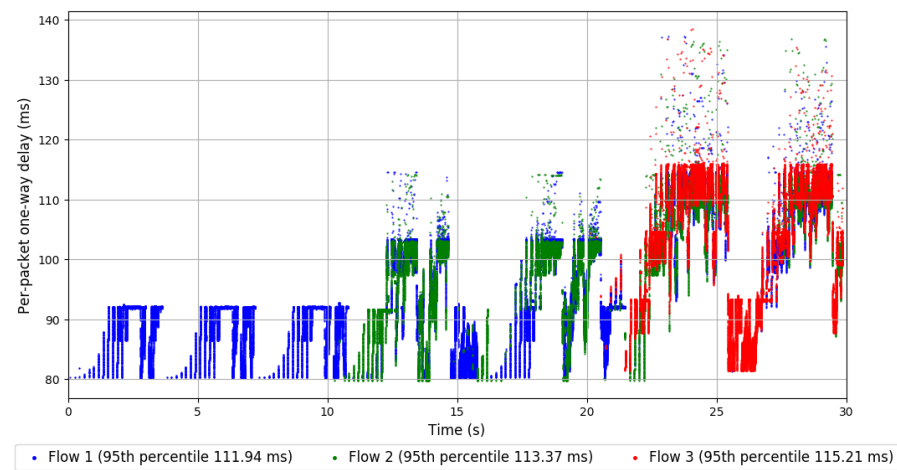
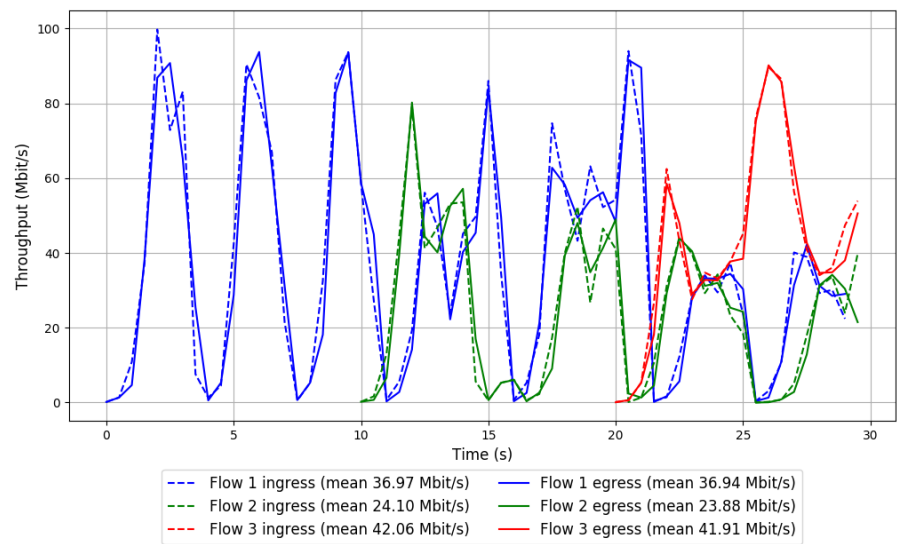
-- Flow 3:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 115.207 ms

Loss rate: 2.55%

Run 10: Report of Verus — Data Link

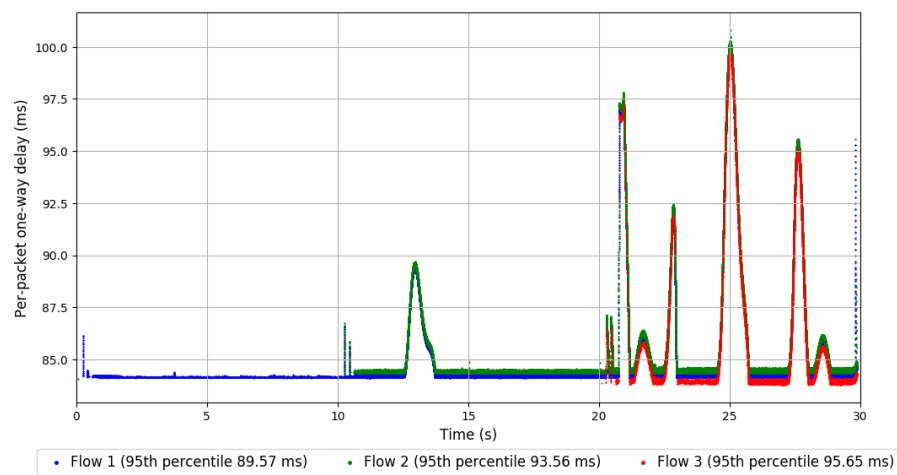
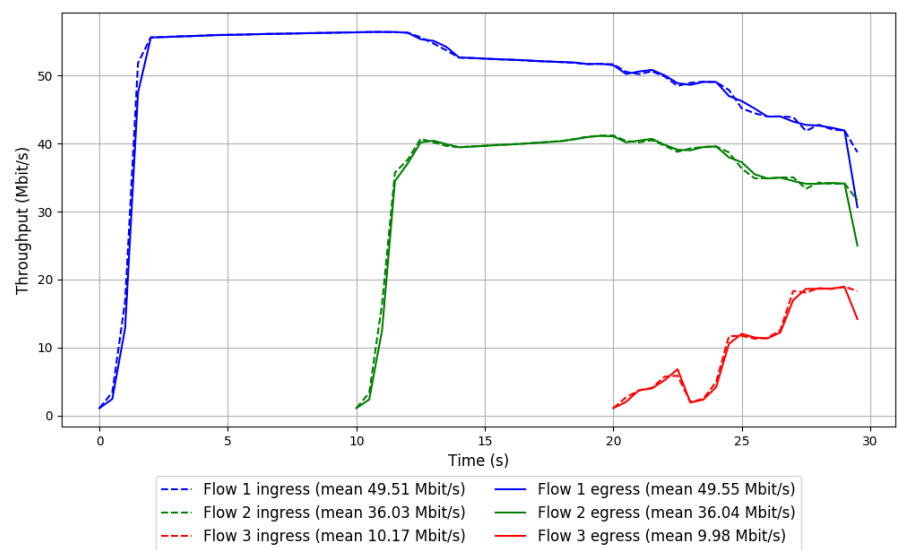


Run 1: Statistics of Copa

Start at: 2018-02-04 17:32:40
End at: 2018-02-04 17:33:10
Local clock offset: -0.132 ms
Remote clock offset: -5.673 ms

Below is generated by plot.py at 2018-02-05 01:37:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 91.841 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 89.568 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 93.560 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 95.649 ms
Loss rate: 3.61%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-04 17:56:33

End at: 2018-02-04 17:57:03

Local clock offset: -0.09 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2018-02-05 01:37:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 84.340 ms

Loss rate: 12.95%

-- Flow 1:

Average throughput: 48.06 Mbit/s

95th percentile per-packet one-way delay: 82.778 ms

Loss rate: 10.68%

-- Flow 2:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 86.227 ms

Loss rate: 17.36%

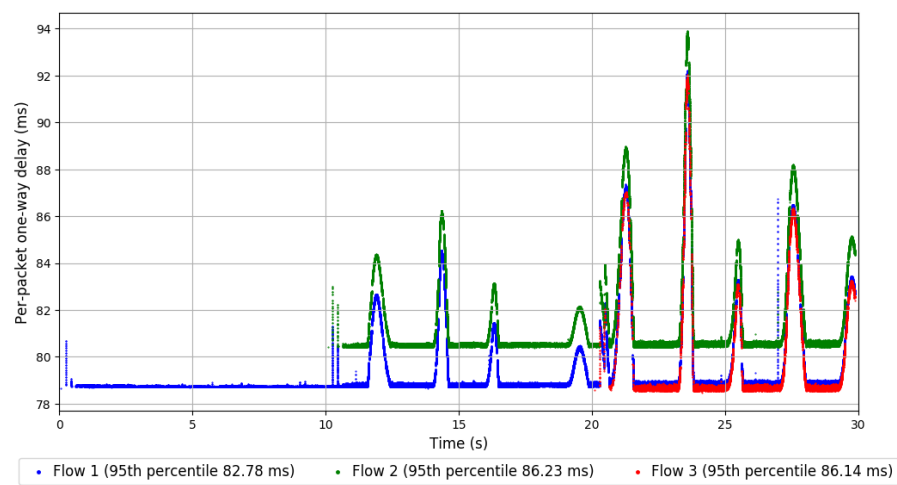
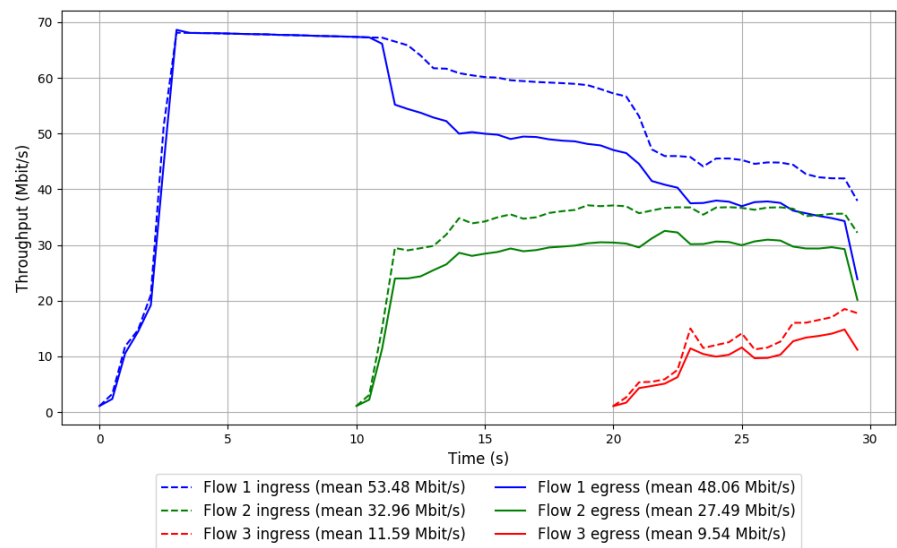
-- Flow 3:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 86.142 ms

Loss rate: 19.19%

Run 2: Report of Copa — Data Link

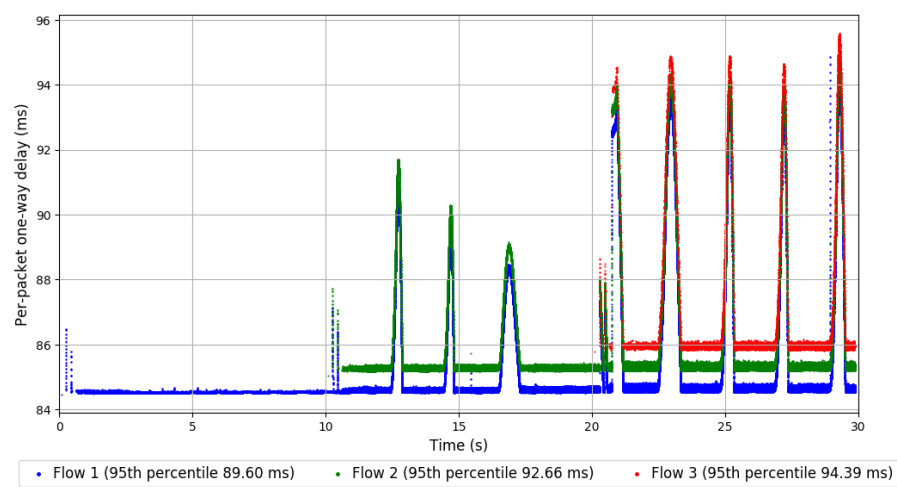
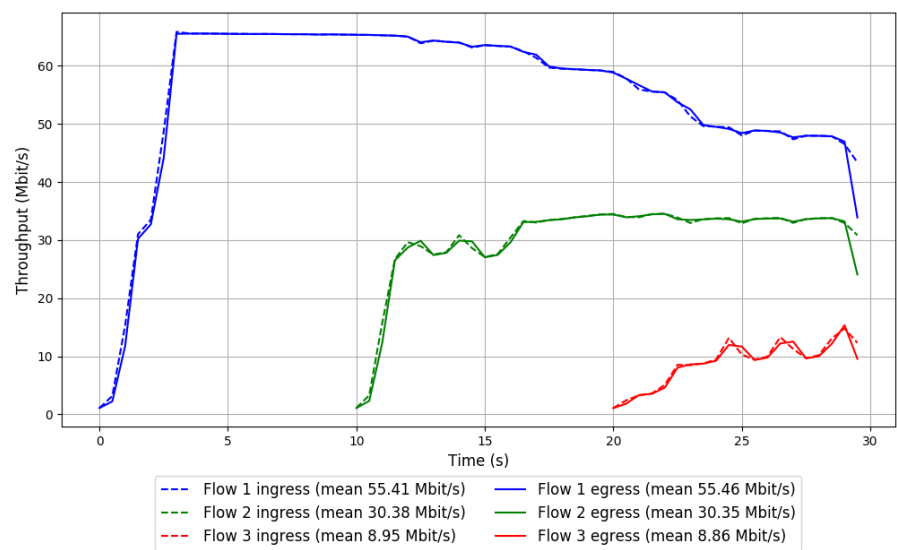


Run 3: Statistics of Copa

Start at: 2018-02-04 18:20:40
End at: 2018-02-04 18:21:10
Local clock offset: -0.079 ms
Remote clock offset: -6.165 ms

Below is generated by plot.py at 2018-02-05 01:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.53 Mbit/s
95th percentile per-packet one-way delay: 91.060 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 89.597 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 92.656 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 94.389 ms
Loss rate: 2.78%

Run 3: Report of Copa — Data Link

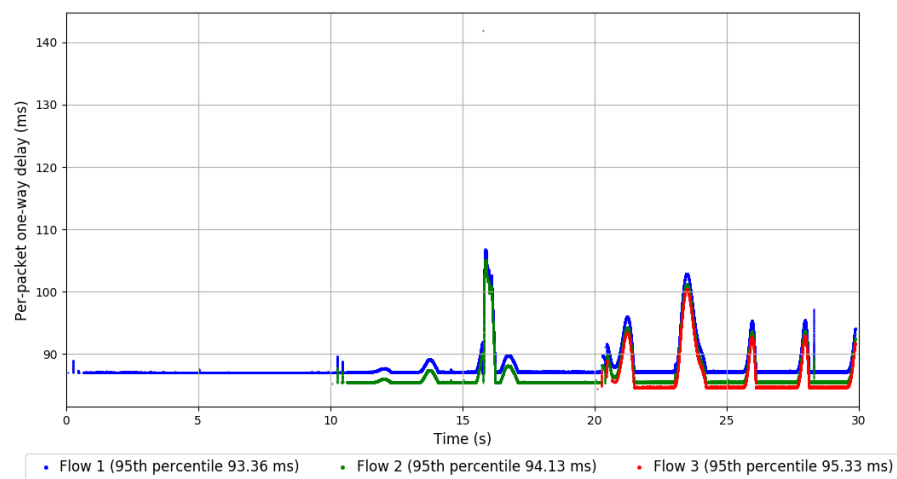
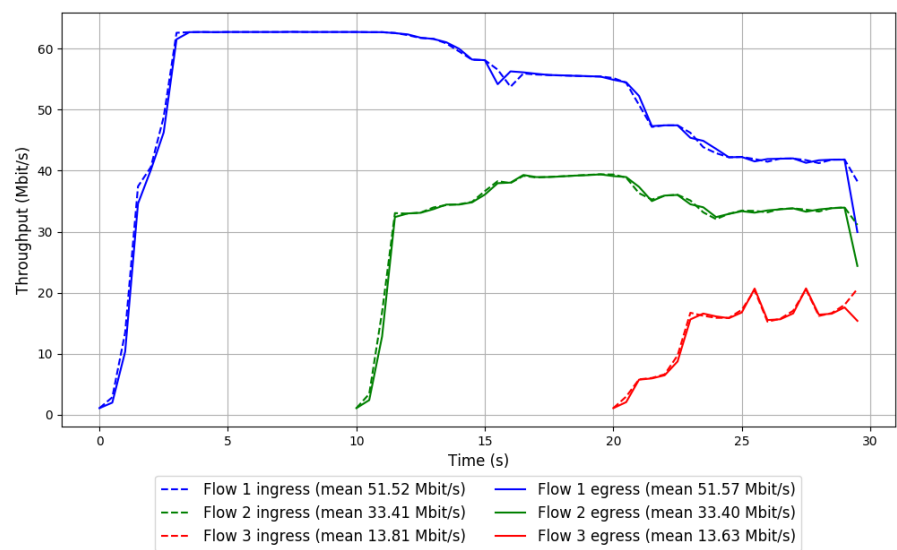


Run 4: Statistics of Copa

Start at: 2018-02-04 18:44:50
End at: 2018-02-04 18:45:20
Local clock offset: -0.043 ms
Remote clock offset: -5.446 ms

Below is generated by plot.py at 2018-02-05 01:37:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 93.792 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 93.359 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 94.129 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 95.330 ms
Loss rate: 3.10%

Run 4: Report of Copa — Data Link

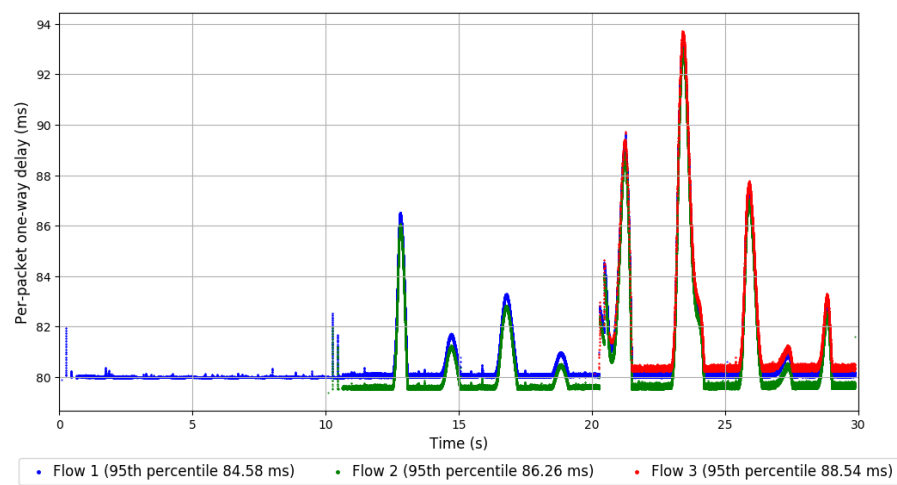
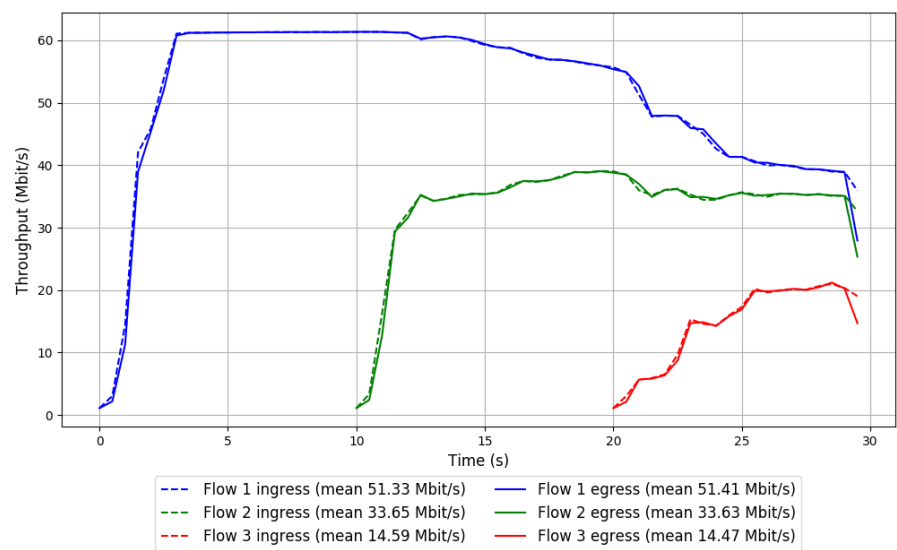


Run 5: Statistics of Copa

Start at: 2018-02-04 19:08:41
End at: 2018-02-04 19:09:11
Local clock offset: -0.018 ms
Remote clock offset: 2.086 ms

Below is generated by plot.py at 2018-02-05 01:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.49 Mbit/s
95th percentile per-packet one-way delay: 85.748 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 84.578 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 88.539 ms
Loss rate: 2.63%

Run 5: Report of Copa — Data Link

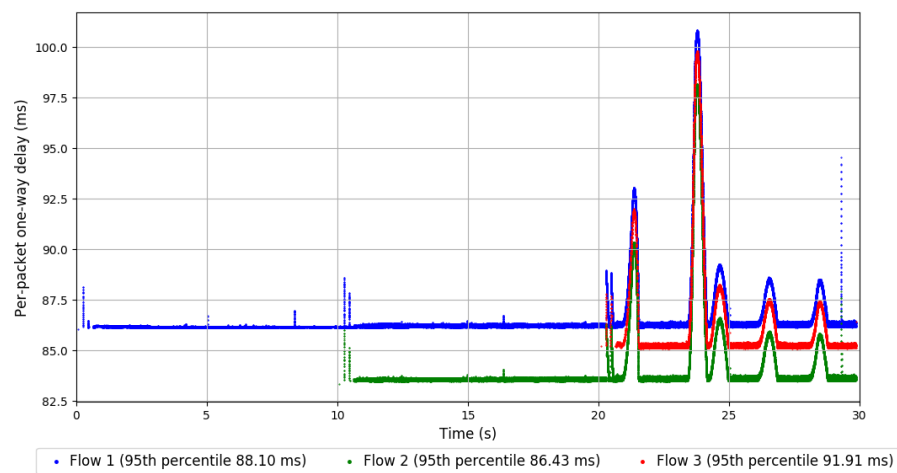
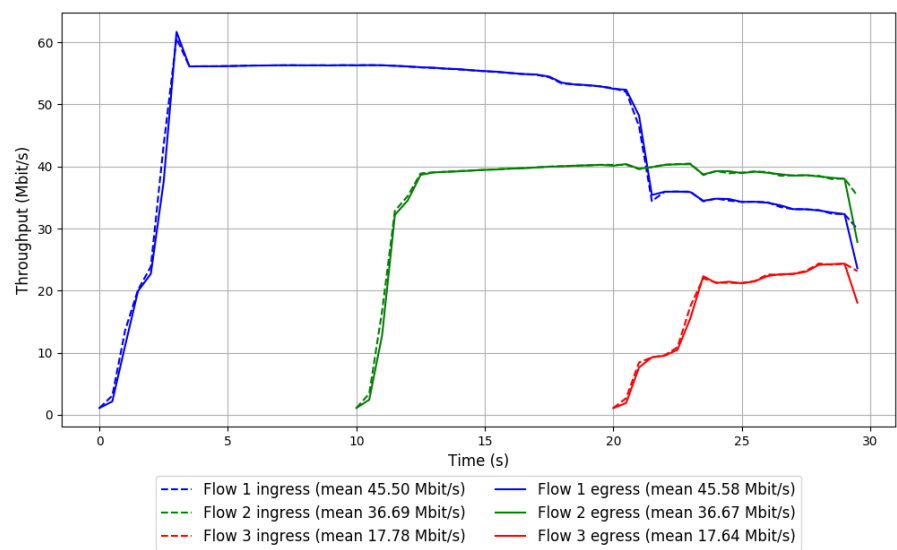


Run 6: Statistics of Copa

Start at: 2018-02-04 19:32:43
End at: 2018-02-04 19:33:13
Local clock offset: -0.054 ms
Remote clock offset: -1.924 ms

Below is generated by plot.py at 2018-02-05 01:37:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 88.048 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 88.100 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 86.434 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 91.907 ms
Loss rate: 2.61%

Run 6: Report of Copa — Data Link

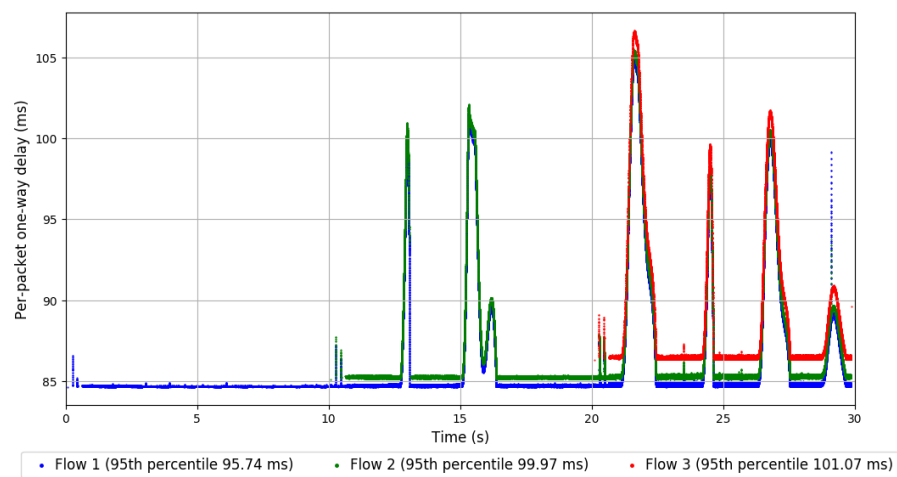
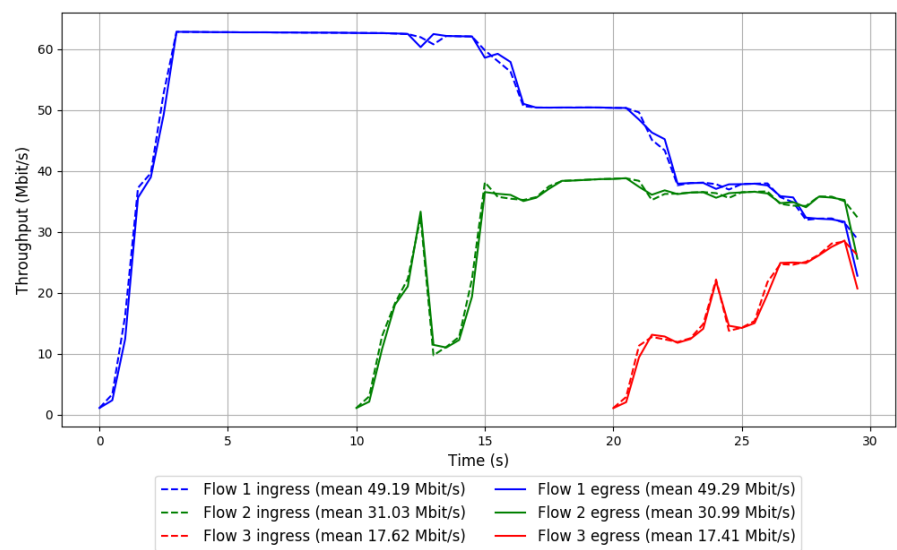


Run 7: Statistics of Copa

Start at: 2018-02-04 19:56:32
End at: 2018-02-04 19:57:02
Local clock offset: -0.086 ms
Remote clock offset: -1.299 ms

Below is generated by plot.py at 2018-02-05 01:38:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 98.225 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 95.737 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 99.974 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 17.41 Mbit/s
95th percentile per-packet one-way delay: 101.074 ms
Loss rate: 2.99%

Run 7: Report of Copa — Data Link

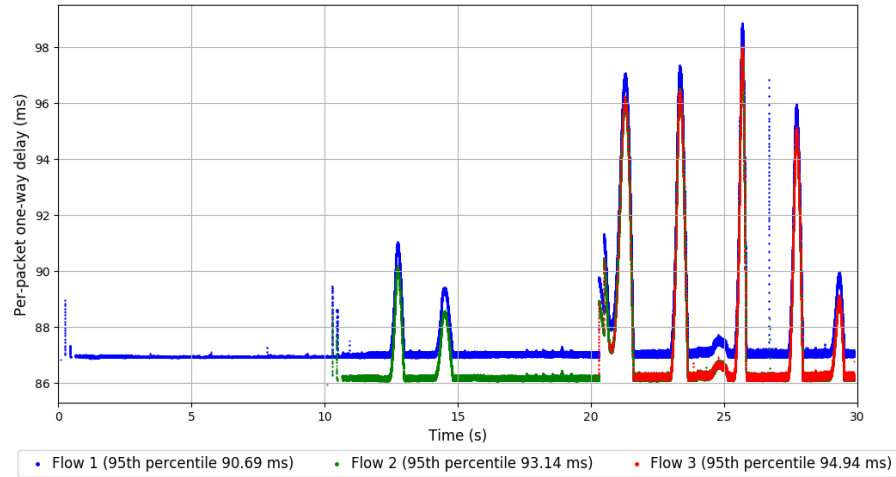
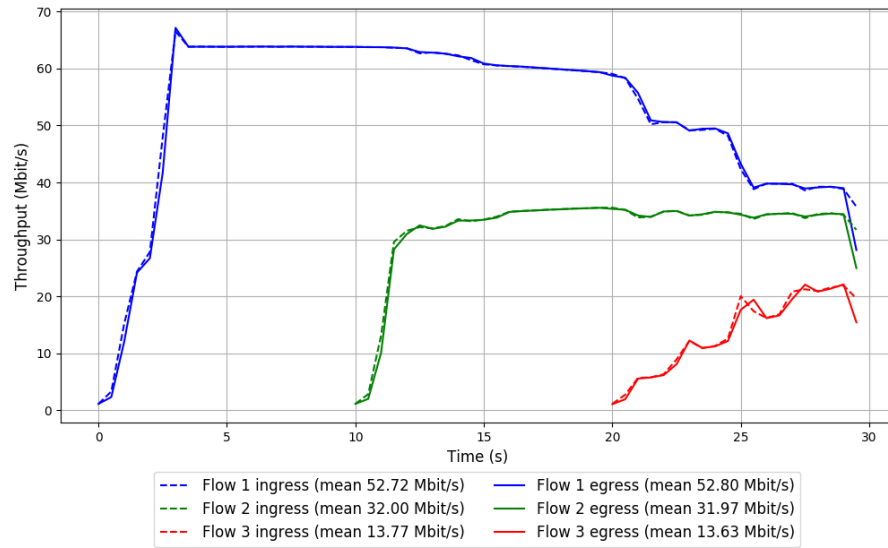


Run 8: Statistics of Copa

Start at: 2018-02-04 20:20:25
End at: 2018-02-04 20:20:55
Local clock offset: -0.046 ms
Remote clock offset: -1.699 ms

Below is generated by plot.py at 2018-02-05 01:38:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 91.830 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 90.695 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 93.140 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 94.942 ms
Loss rate: 2.85%

Run 8: Report of Copa — Data Link

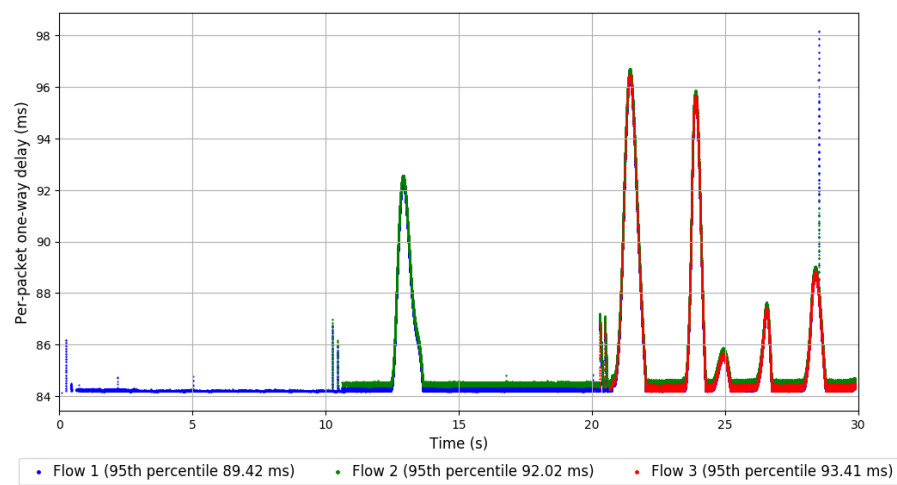
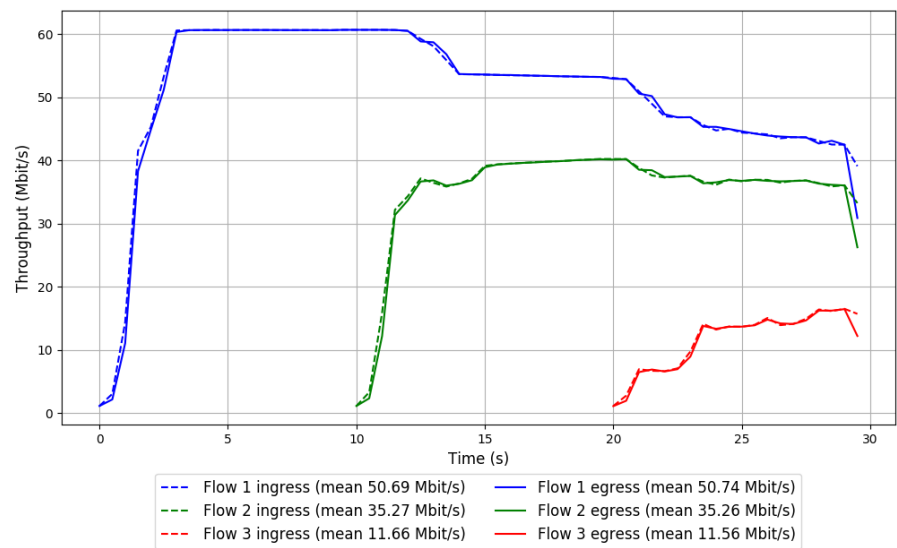


Run 9: Statistics of Copa

Start at: 2018-02-04 20:44:22
End at: 2018-02-04 20:44:52
Local clock offset: -0.006 ms
Remote clock offset: -1.578 ms

Below is generated by plot.py at 2018-02-05 01:39:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 90.704 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 50.74 Mbit/s
95th percentile per-packet one-way delay: 89.425 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 92.018 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 93.414 ms
Loss rate: 2.72%

Run 9: Report of Copa — Data Link

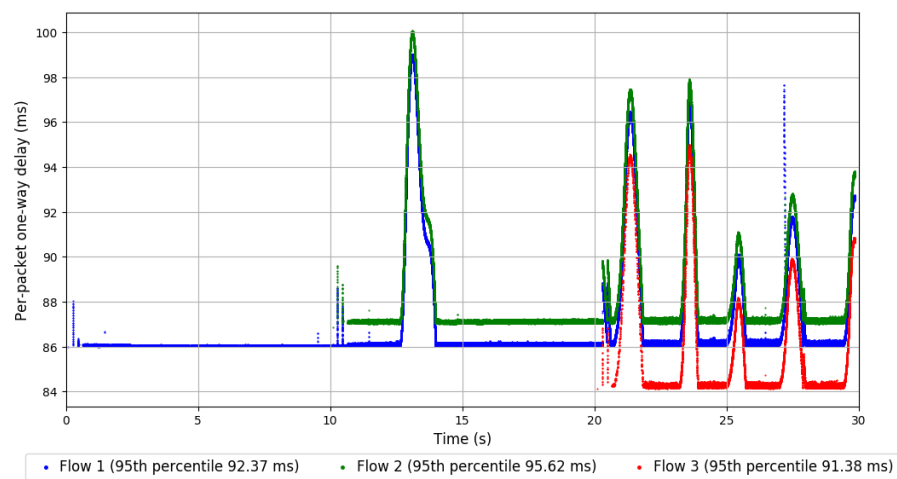
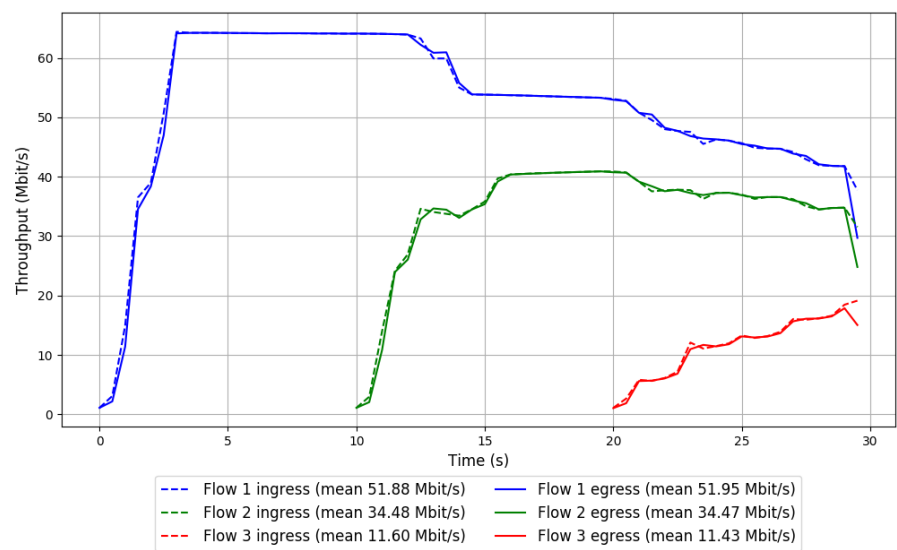


Run 10: Statistics of Copa

Start at: 2018-02-04 21:08:12
End at: 2018-02-04 21:08:42
Local clock offset: -0.087 ms
Remote clock offset: -1.516 ms

Below is generated by plot.py at 2018-02-05 01:39:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 93.508 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 92.367 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 95.618 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 91.376 ms
Loss rate: 3.27%

Run 10: Report of Copa — Data Link

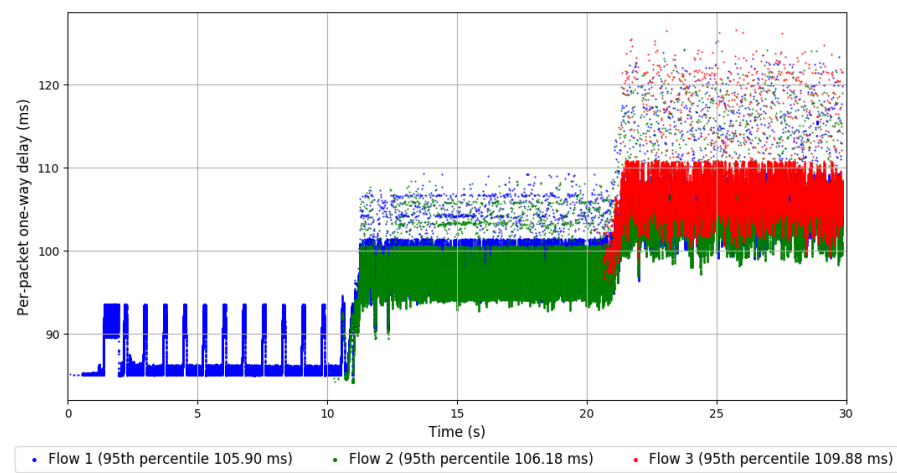
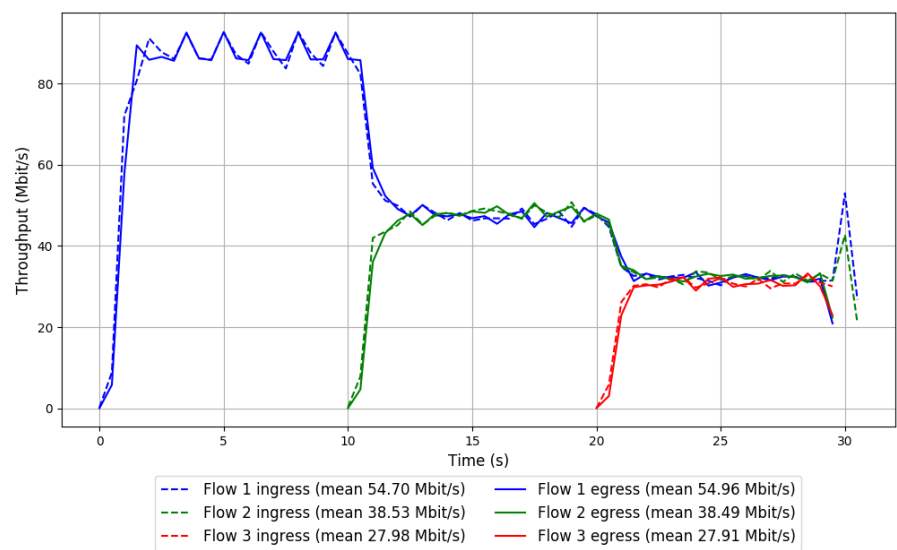


```
Run 1: Statistics of FillP

Start at: 2018-02-04 17:34:02
End at: 2018-02-04 17:34:32
Local clock offset: -0.079 ms
Remote clock offset: -5.613 ms

# Below is generated by plot.py at 2018-02-05 01:40:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 107.373 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 105.896 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 106.184 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 109.880 ms
Loss rate: 2.55%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-04 17:57:56

End at: 2018-02-04 17:58:26

Local clock offset: -0.013 ms

Remote clock offset: 1.707 ms

Below is generated by plot.py at 2018-02-05 01:40:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 99.186 ms

Loss rate: 15.03%

-- Flow 1:

Average throughput: 46.35 Mbit/s

95th percentile per-packet one-way delay: 97.194 ms

Loss rate: 13.47%

-- Flow 2:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 99.473 ms

Loss rate: 16.93%

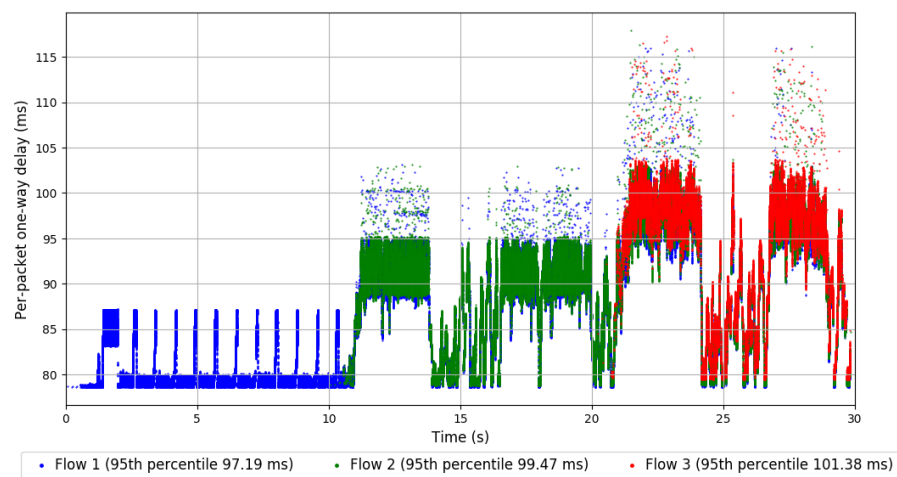
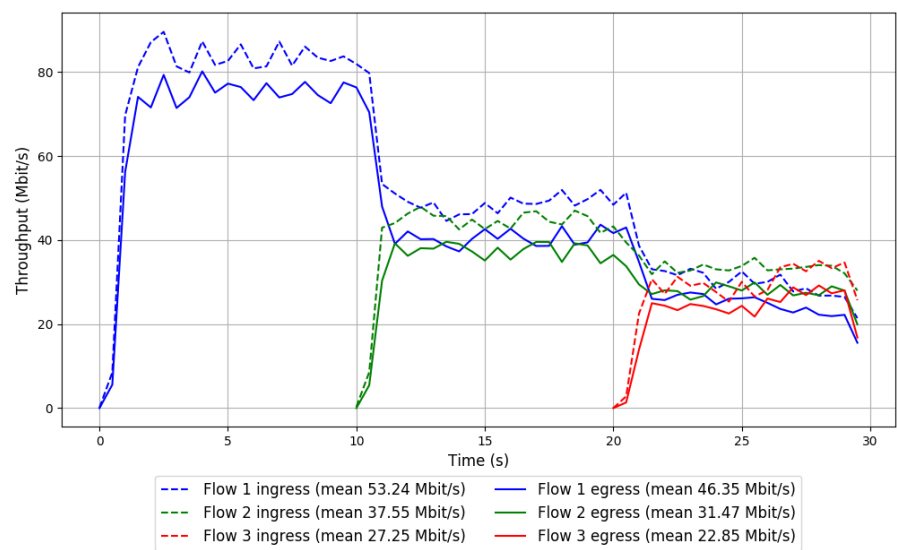
-- Flow 3:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 101.383 ms

Loss rate: 18.98%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-04 18:22:04

End at: 2018-02-04 18:22:34

Local clock offset: -0.025 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-02-05 01:40:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 102.382 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 102.268 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 38.55 Mbit/s

95th percentile per-packet one-way delay: 102.872 ms

Loss rate: 0.82%

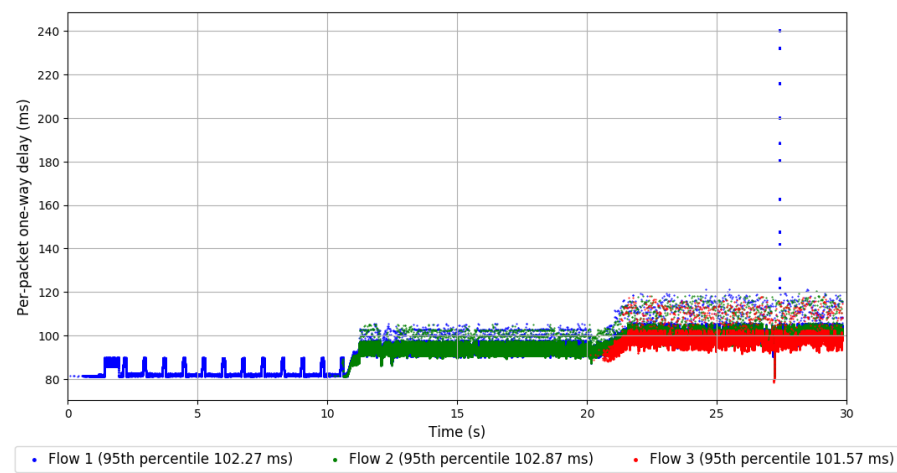
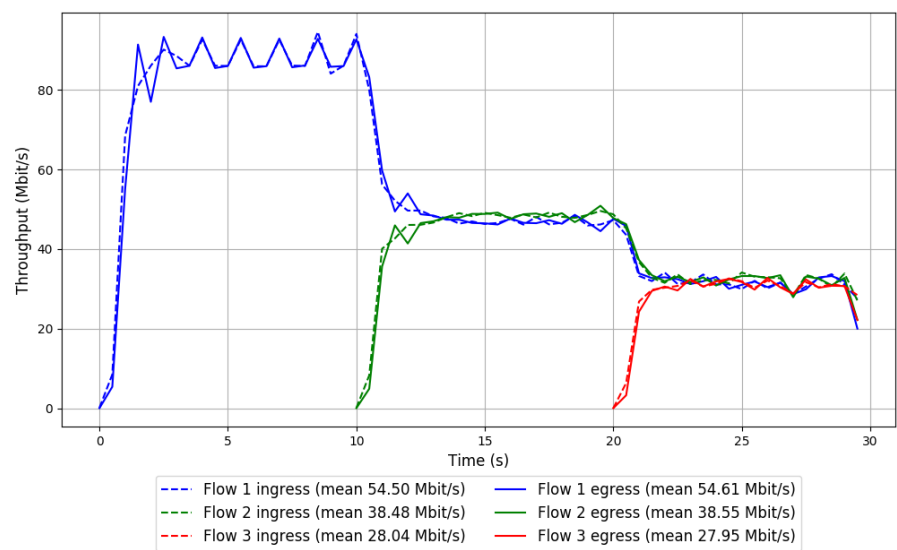
-- Flow 3:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 101.573 ms

Loss rate: 2.21%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-04 18:46:13

End at: 2018-02-04 18:46:43

Local clock offset: -0.043 ms

Remote clock offset: 1.287 ms

Below is generated by plot.py at 2018-02-05 01:40:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.79 Mbit/s

95th percentile per-packet one-way delay: 100.392 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 98.168 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: 101.193 ms

Loss rate: 0.85%

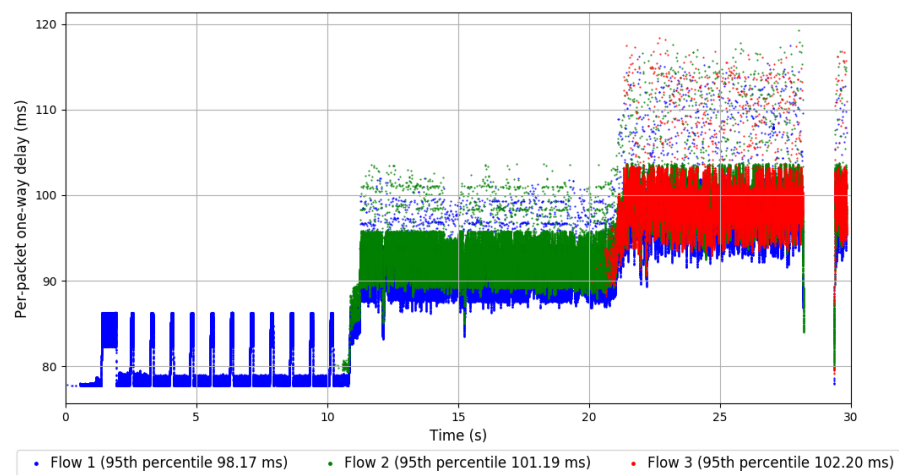
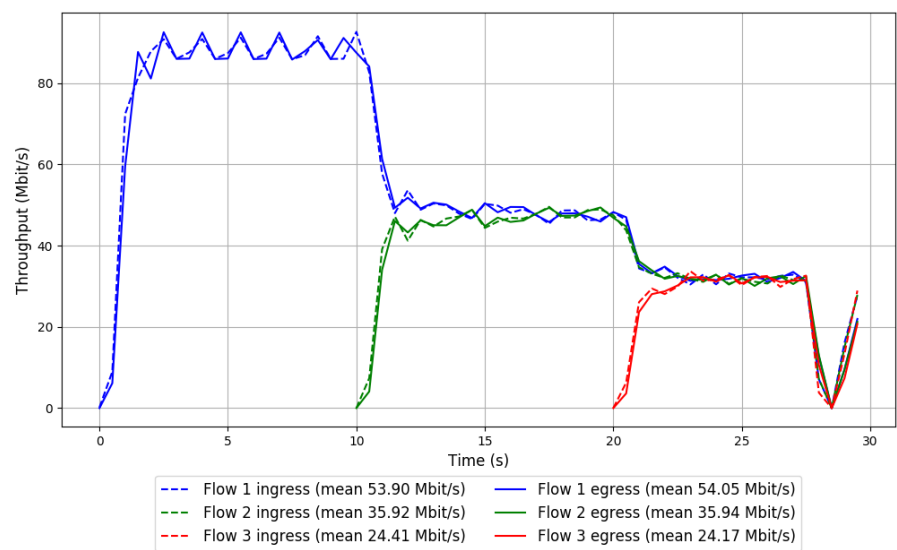
-- Flow 3:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 102.196 ms

Loss rate: 2.93%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-04 19:10:04

End at: 2018-02-04 19:10:34

Local clock offset: -0.064 ms

Remote clock offset: 1.242 ms

Below is generated by plot.py at 2018-02-05 01:40:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.56 Mbit/s

95th percentile per-packet one-way delay: 102.076 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 100.037 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 38.31 Mbit/s

95th percentile per-packet one-way delay: 102.472 ms

Loss rate: 3.87%

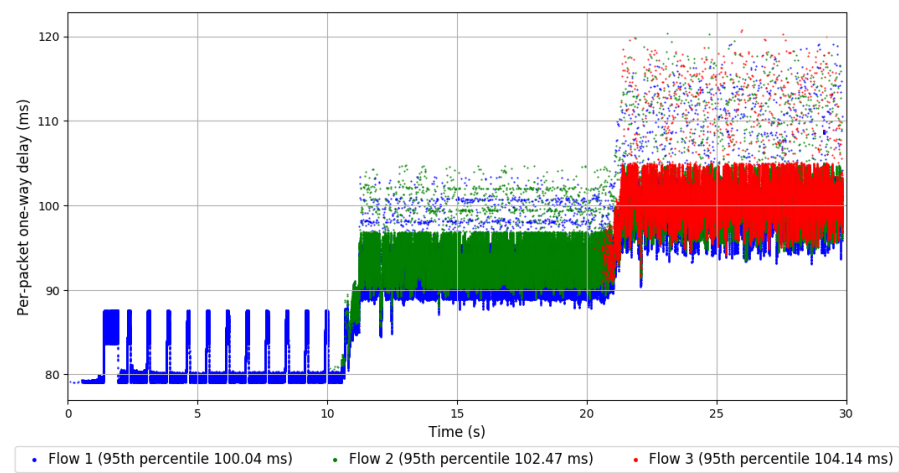
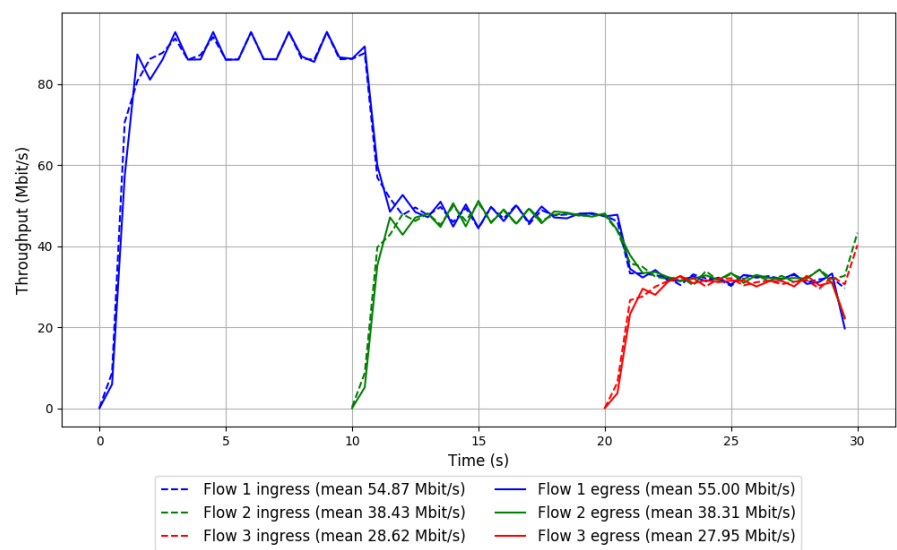
-- Flow 3:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 104.137 ms

Loss rate: 9.23%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-04 19:34:05

End at: 2018-02-04 19:34:35

Local clock offset: -0.088 ms

Remote clock offset: 2.225 ms

Below is generated by plot.py at 2018-02-05 01:40:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 102.568 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 101.328 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 102.761 ms

Loss rate: 3.69%

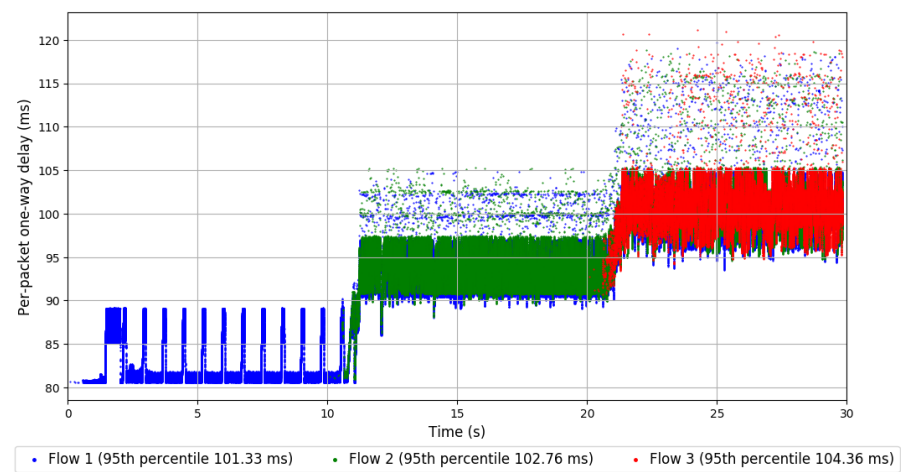
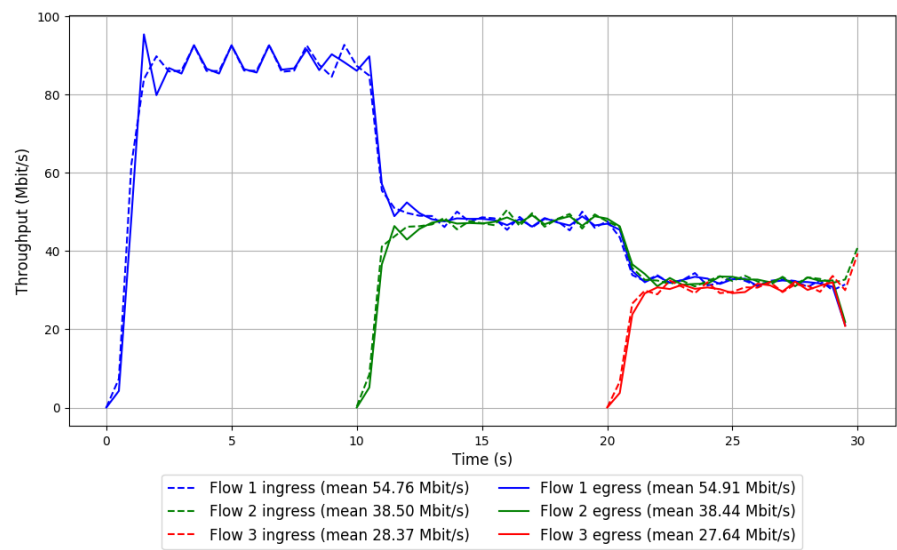
-- Flow 3:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 104.357 ms

Loss rate: 9.37%

Run 6: Report of FillP — Data Link

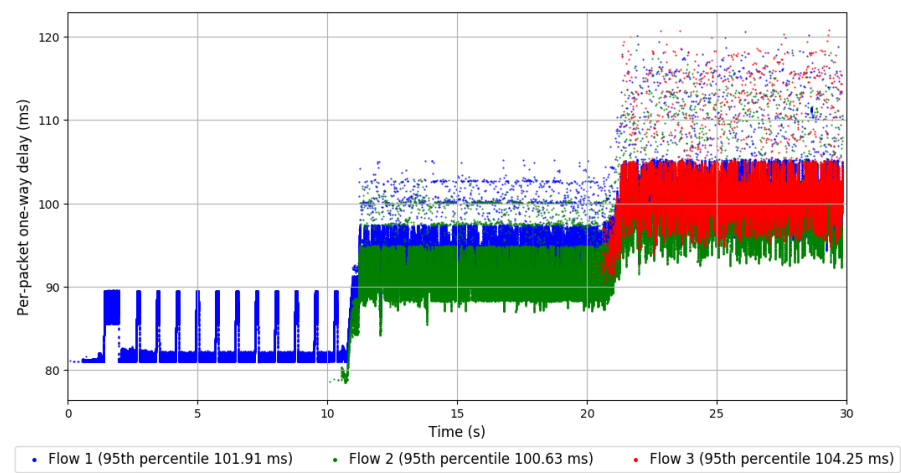
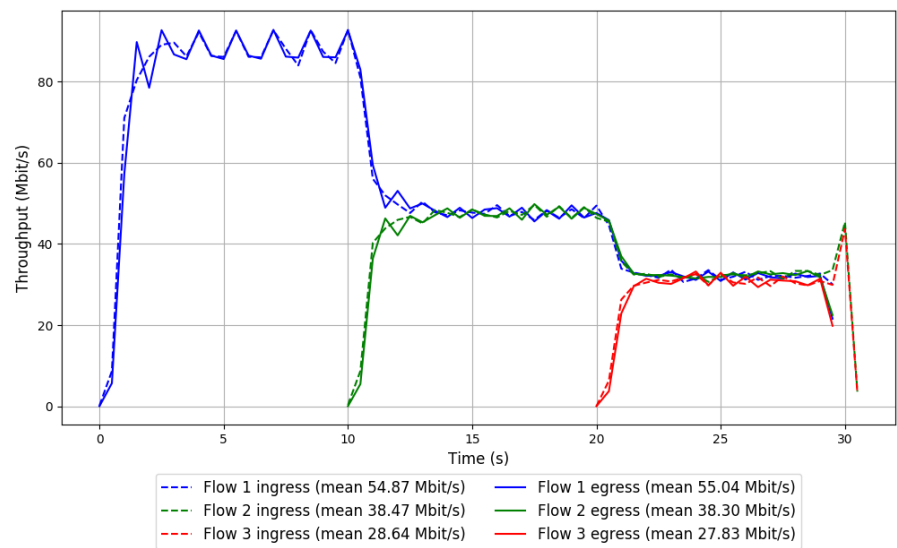


Run 7: Statistics of FillP

Start at: 2018-02-04 19:57:54
End at: 2018-02-04 19:58:24
Local clock offset: -0.077 ms
Remote clock offset: 3.726 ms

Below is generated by plot.py at 2018-02-05 01:41:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 102.308 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 101.911 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 100.634 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 104.249 ms
Loss rate: 10.37%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-04 20:21:48

End at: 2018-02-04 20:22:18

Local clock offset: -0.103 ms

Remote clock offset: 3.216 ms

Below is generated by plot.py at 2018-02-05 01:41:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.60 Mbit/s

95th percentile per-packet one-way delay: 99.212 ms

Loss rate: 13.02%

-- Flow 1:

Average throughput: 50.20 Mbit/s

95th percentile per-packet one-way delay: 97.713 ms

Loss rate: 10.71%

-- Flow 2:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: 99.401 ms

Loss rate: 16.87%

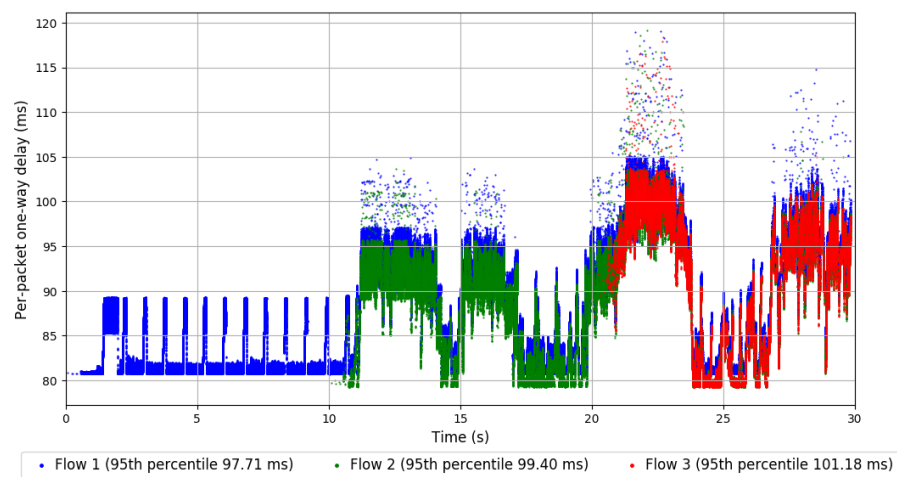
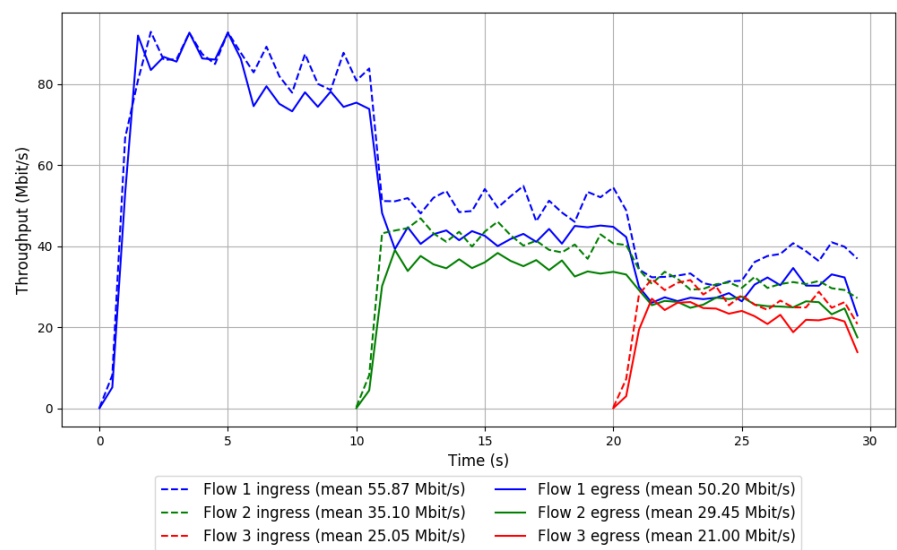
-- Flow 3:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 101.182 ms

Loss rate: 17.75%

Run 8: Report of FillP — Data Link

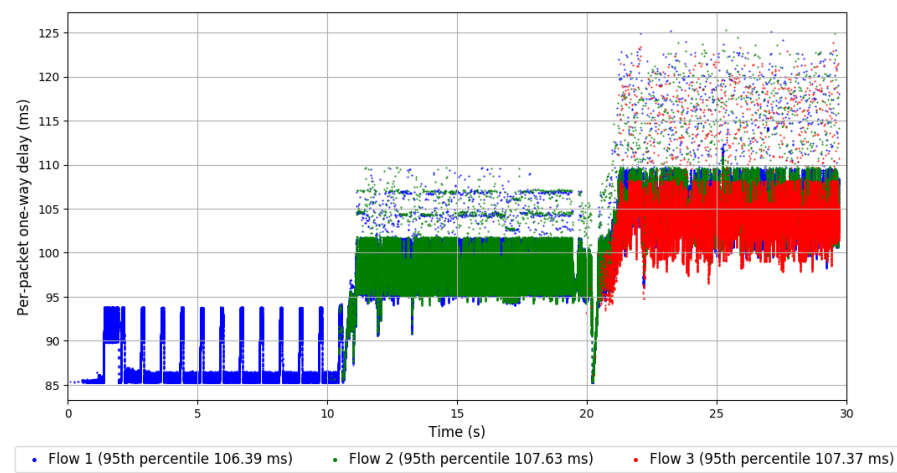
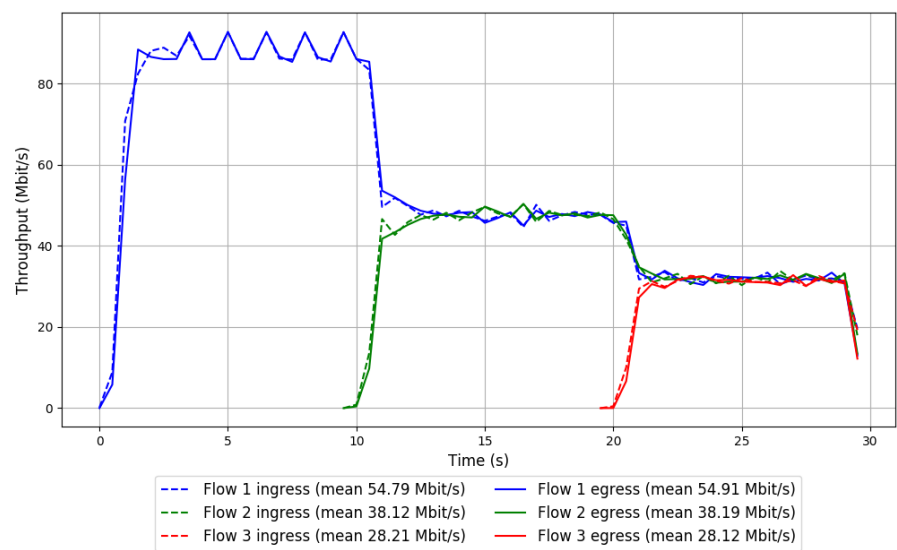


Run 9: Statistics of FillP

Start at: 2018-02-04 20:45:45
End at: 2018-02-04 20:46:15
Local clock offset: -0.021 ms
Remote clock offset: -1.641 ms

Below is generated by plot.py at 2018-02-05 01:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 106.961 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 106.386 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 107.634 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 107.371 ms
Loss rate: 2.40%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-04 21:09:35

End at: 2018-02-04 21:10:05

Local clock offset: -0.059 ms

Remote clock offset: 5.052 ms

Below is generated by plot.py at 2018-02-05 01:42:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.62 Mbit/s

95th percentile per-packet one-way delay: 100.715 ms

Loss rate: 2.32%

-- Flow 1:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 99.294 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 38.20 Mbit/s

95th percentile per-packet one-way delay: 101.014 ms

Loss rate: 3.63%

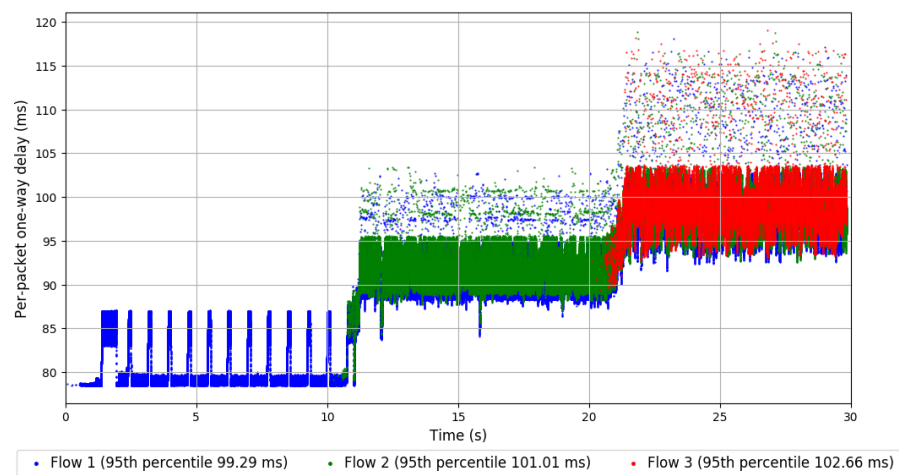
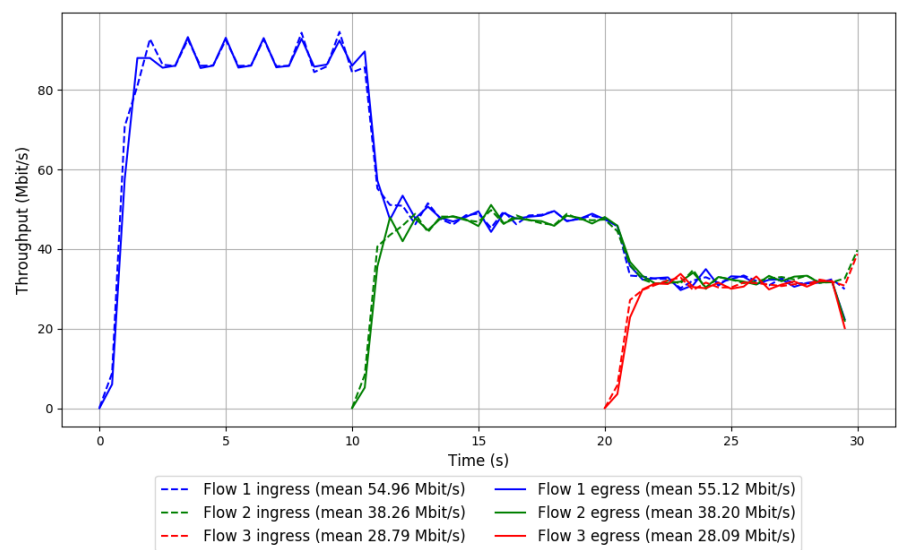
-- Flow 3:

Average throughput: 28.09 Mbit/s

95th percentile per-packet one-way delay: 102.660 ms

Loss rate: 9.23%

Run 10: Report of FillP — Data Link

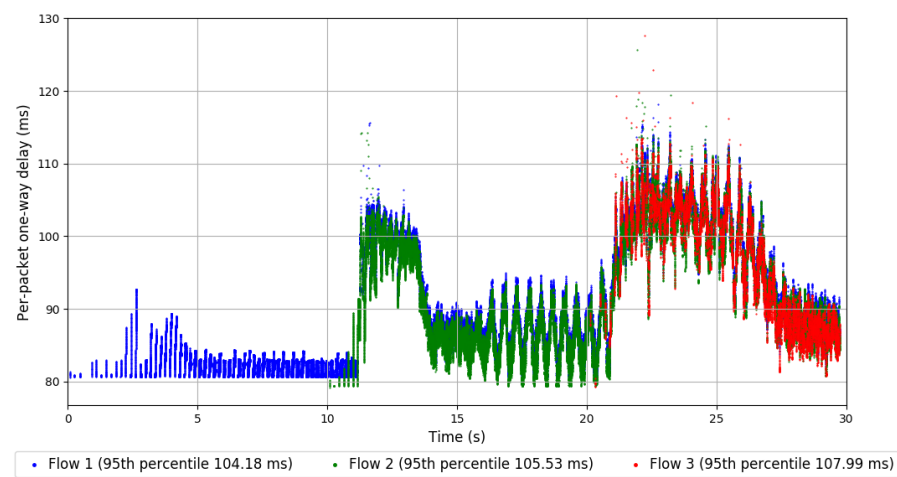
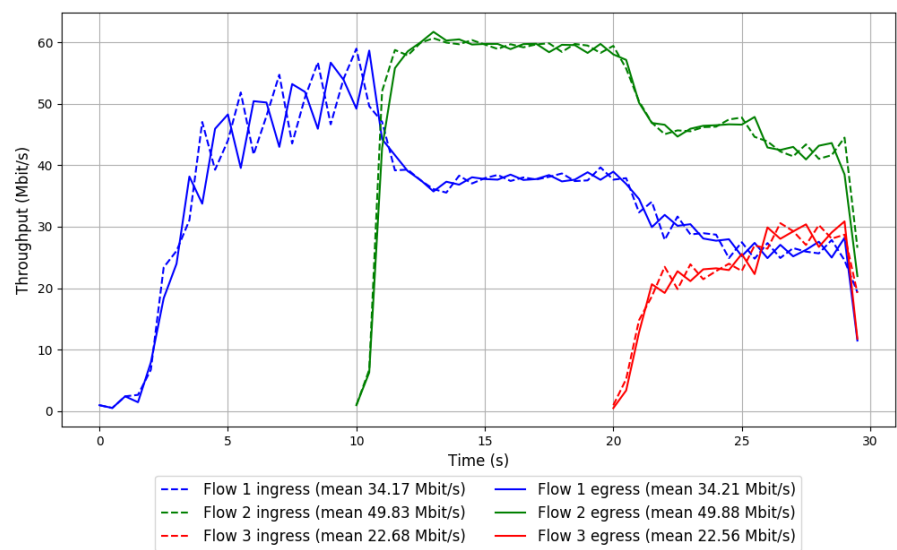


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-04 17:41:54
End at: 2018-02-04 17:42:24
Local clock offset: -0.025 ms
Remote clock offset: -0.659 ms

Below is generated by plot.py at 2018-02-05 01:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 105.598 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 104.179 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 105.534 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 107.989 ms
Loss rate: 2.45%

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

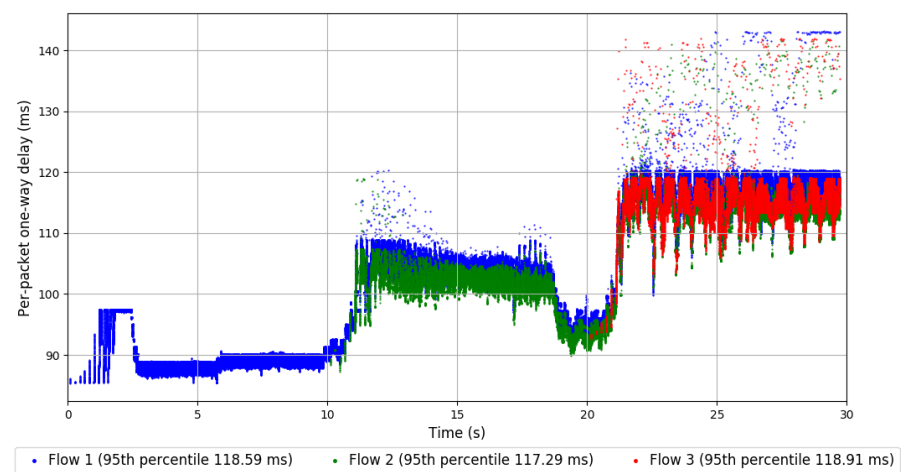
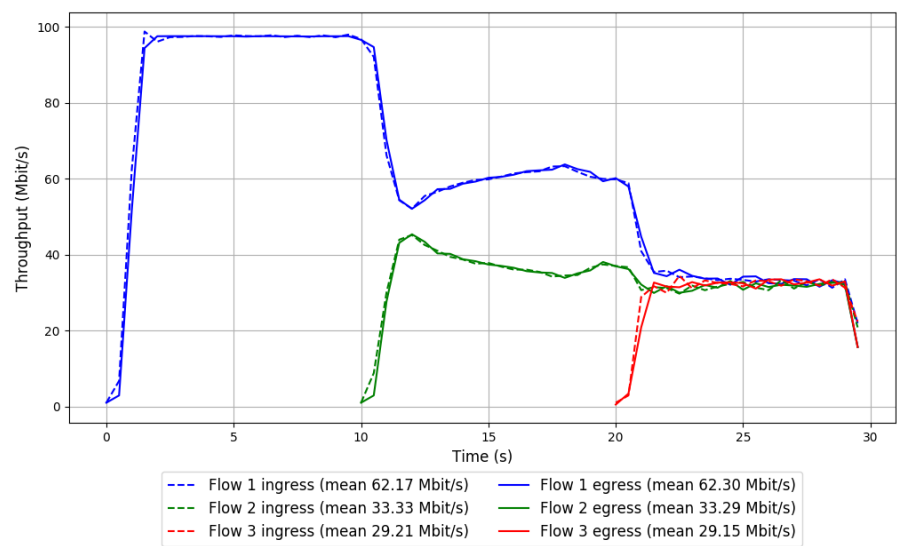


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-04 18:05:48
End at: 2018-02-04 18:06:18
Local clock offset: -0.025 ms
Remote clock offset: -5.407 ms

Below is generated by plot.py at 2018-02-05 01:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 118.578 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 118.590 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 117.287 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 118.908 ms
Loss rate: 2.35%

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

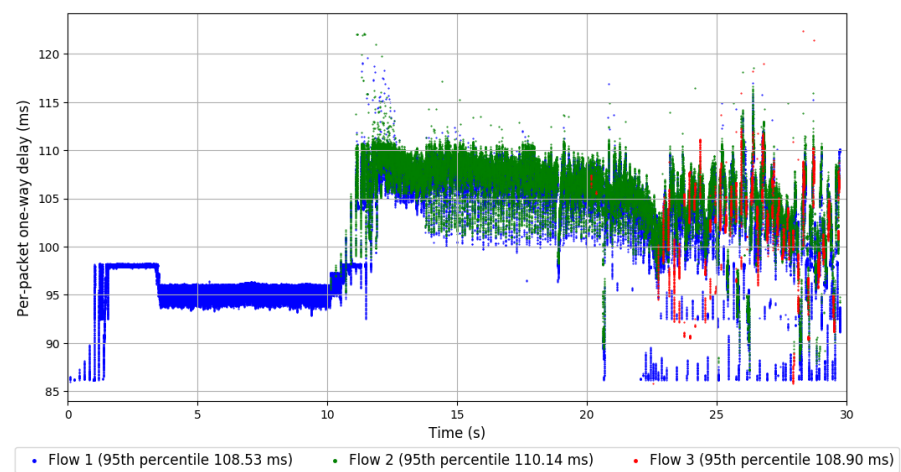
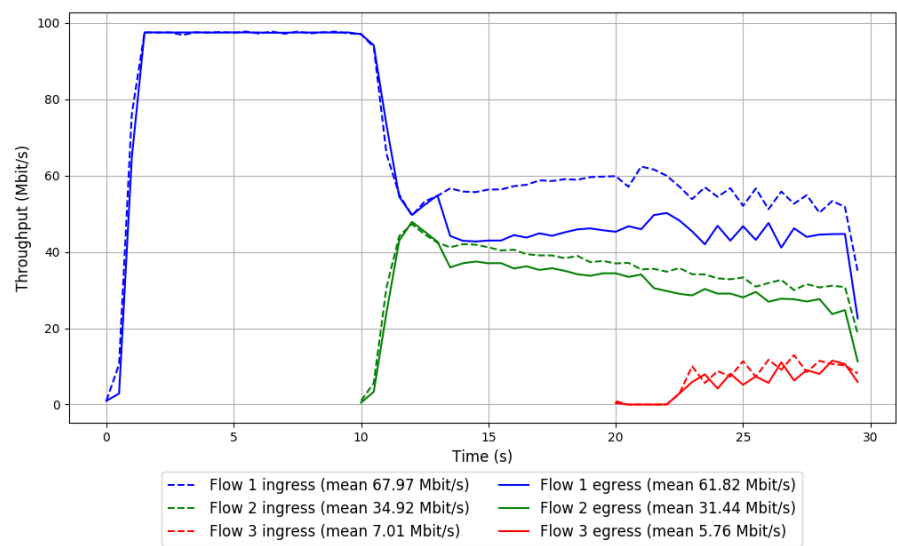


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-04 18:29:56
End at: 2018-02-04 18:30:26
Local clock offset: -0.008 ms
Remote clock offset: -6.481 ms

Below is generated by plot.py at 2018-02-05 01:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 109.198 ms
Loss rate: 10.18%
-- Flow 1:
Average throughput: 61.82 Mbit/s
95th percentile per-packet one-way delay: 108.532 ms
Loss rate: 9.64%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 110.143 ms
Loss rate: 10.84%
-- Flow 3:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 108.901 ms
Loss rate: 19.62%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-04 18:54:03

End at: 2018-02-04 18:54:33

Local clock offset: -0.021 ms

Remote clock offset: 0.963 ms

Below is generated by plot.py at 2018-02-05 01:42:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 113.582 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 60.42 Mbit/s

95th percentile per-packet one-way delay: 113.336 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 113.213 ms

Loss rate: 0.93%

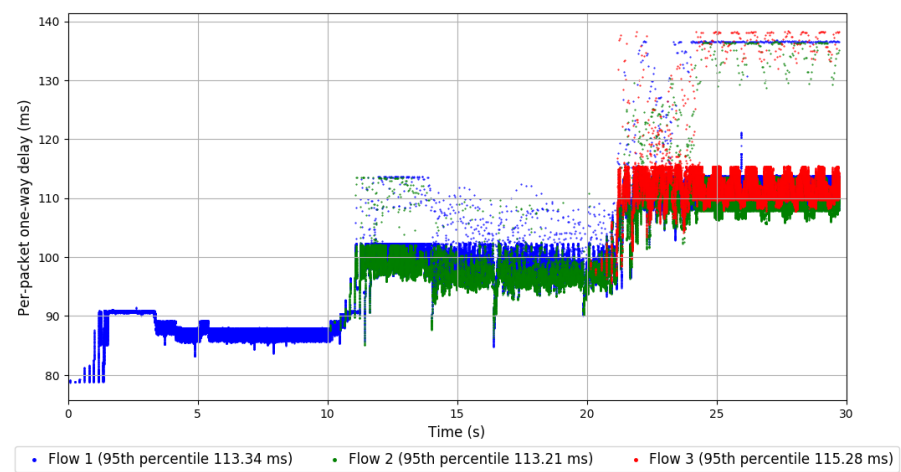
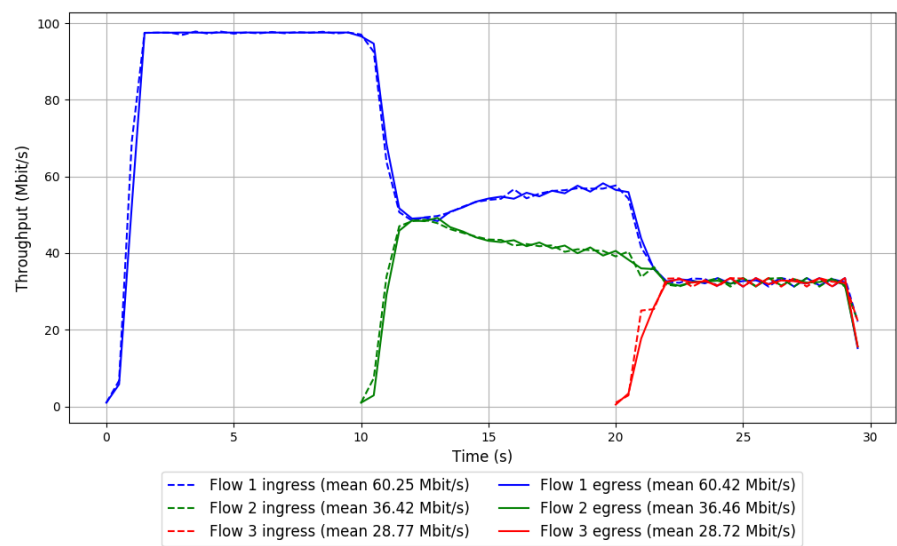
-- Flow 3:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 115.277 ms

Loss rate: 2.38%

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

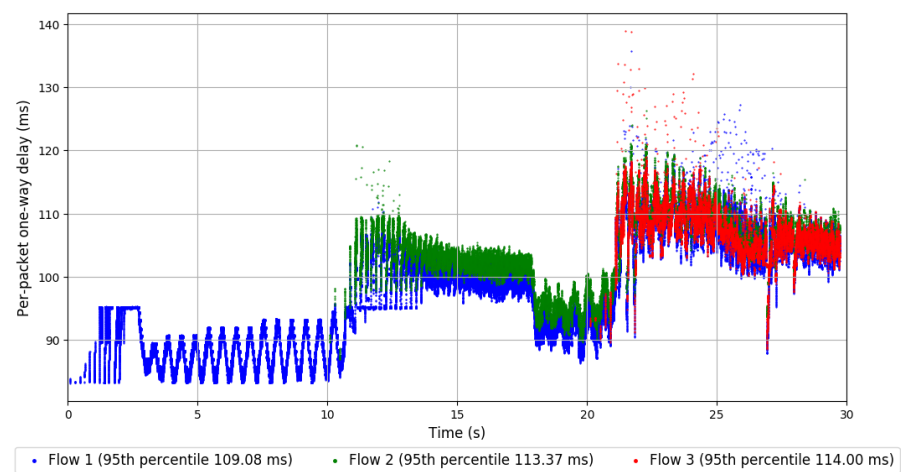
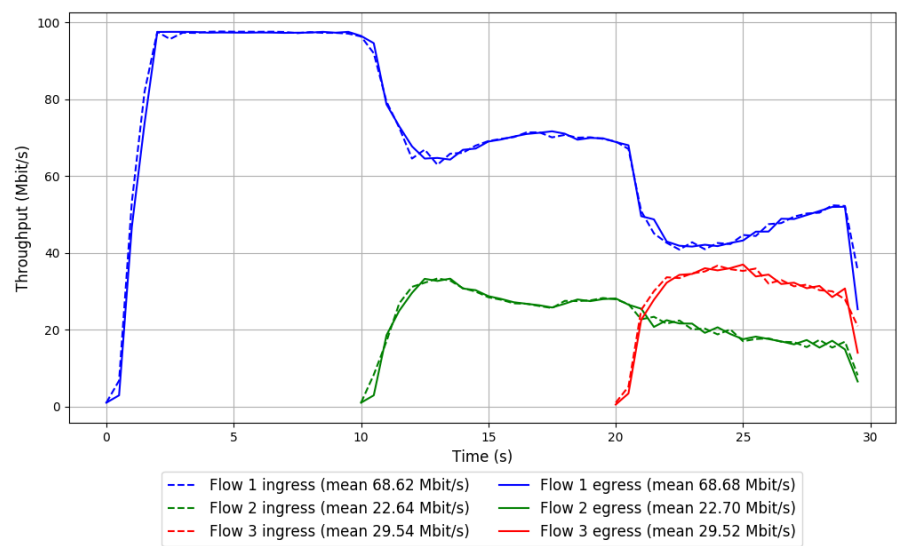


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-04 19:17:58
End at: 2018-02-04 19:18:28
Local clock offset: -0.048 ms
Remote clock offset: -2.295 ms

Below is generated by plot.py at 2018-02-05 01:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 111.221 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 68.68 Mbit/s
95th percentile per-packet one-way delay: 109.078 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 113.372 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 113.999 ms
Loss rate: 1.99%

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

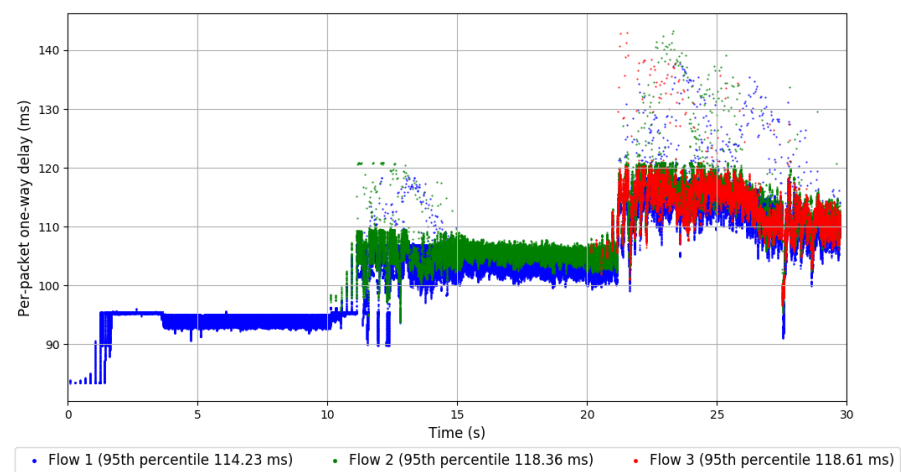
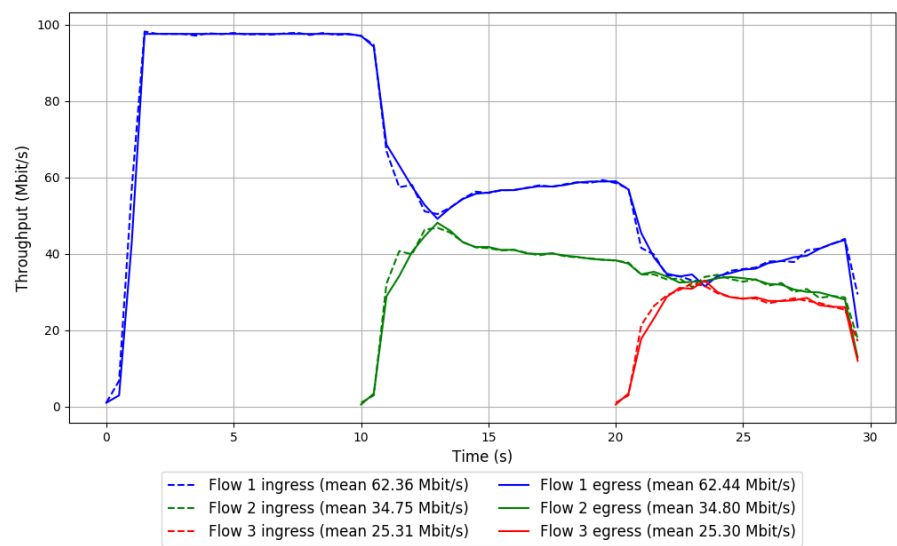


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-04 19:41:57
End at: 2018-02-04 19:42:27
Local clock offset: -0.086 ms
Remote clock offset: -1.641 ms

Below is generated by plot.py at 2018-02-05 01:43:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 116.926 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 114.234 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 118.358 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 118.613 ms
Loss rate: 2.11%

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

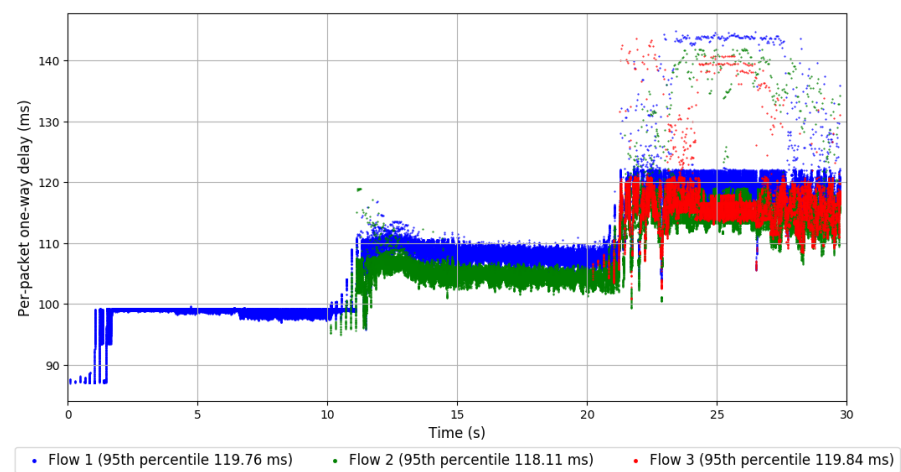
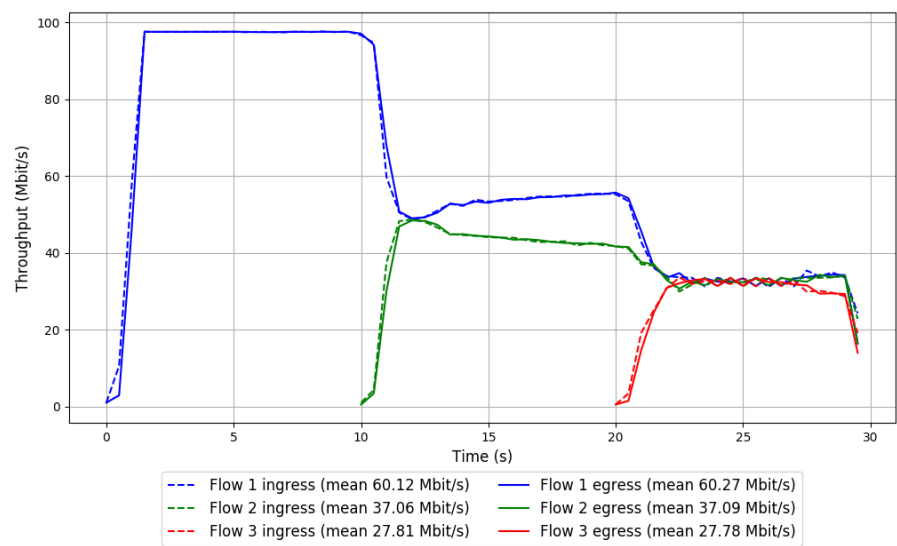


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-04 20:05:44
End at: 2018-02-04 20:06:14
Local clock offset: -0.037 ms
Remote clock offset: -1.869 ms

Below is generated by plot.py at 2018-02-05 01:43:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 119.277 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 119.756 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 118.115 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 27.78 Mbit/s
95th percentile per-packet one-way delay: 119.840 ms
Loss rate: 2.15%

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

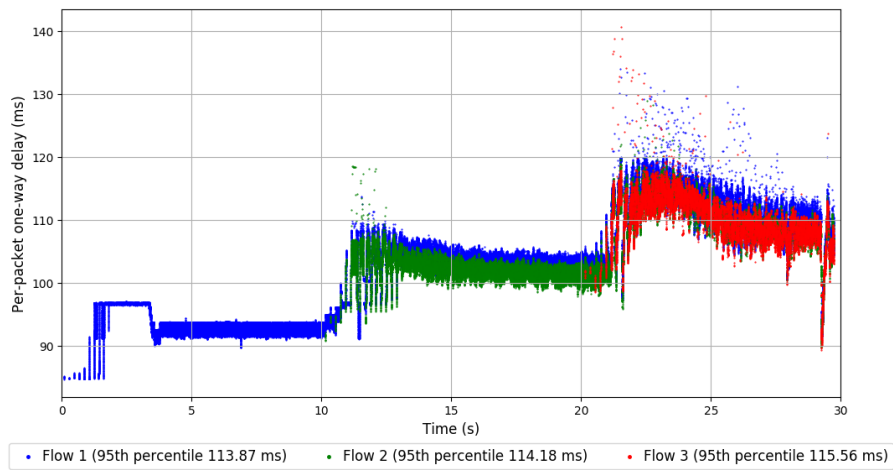
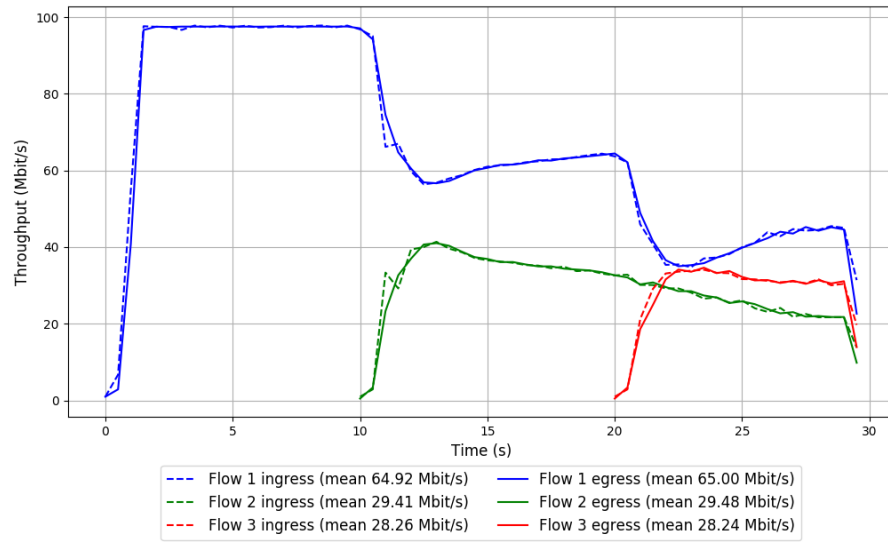


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-04 20:29:39
End at: 2018-02-04 20:30:09
Local clock offset: -0.031 ms
Remote clock offset: -0.794 ms

Below is generated by plot.py at 2018-02-05 01:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 114.365 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 113.872 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 114.179 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 115.557 ms
Loss rate: 2.09%

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

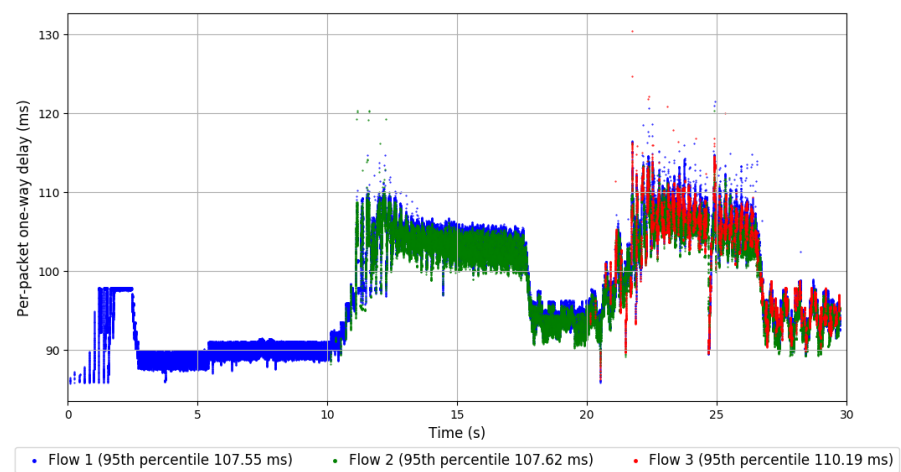
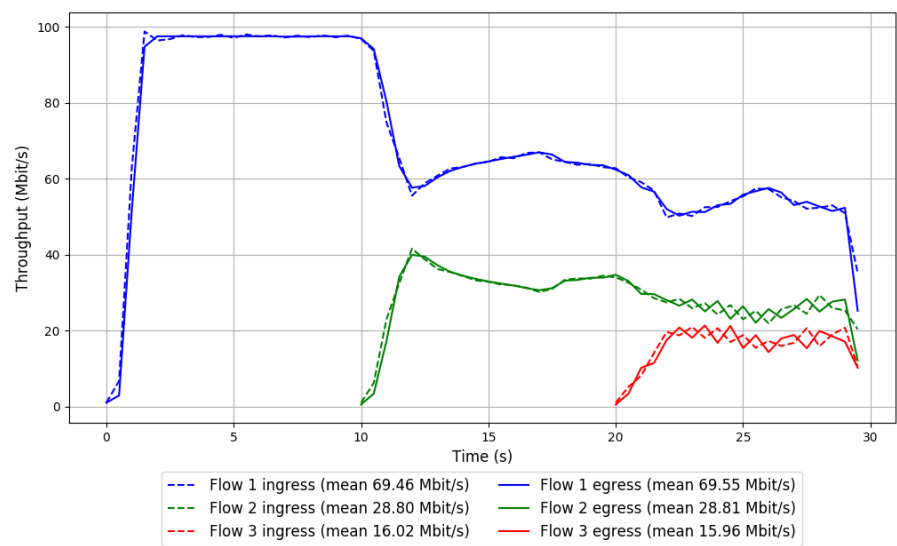


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-04 20:53:37
End at: 2018-02-04 20:54:07
Local clock offset: -0.042 ms
Remote clock offset: -1.576 ms

Below is generated by plot.py at 2018-02-05 01:43:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 107.897 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 107.549 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 107.624 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 110.186 ms
Loss rate: 2.21%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-04 21:17:25

End at: 2018-02-04 21:17:55

Local clock offset: -0.085 ms

Remote clock offset: 3.275 ms

Below is generated by plot.py at 2018-02-05 01:43:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 113.462 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 58.72 Mbit/s

95th percentile per-packet one-way delay: 112.010 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 39.79 Mbit/s

95th percentile per-packet one-way delay: 114.364 ms

Loss rate: 0.94%

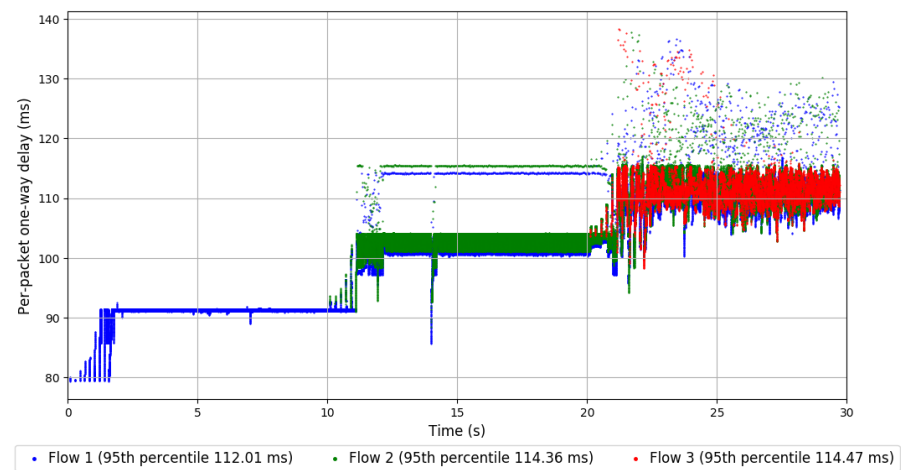
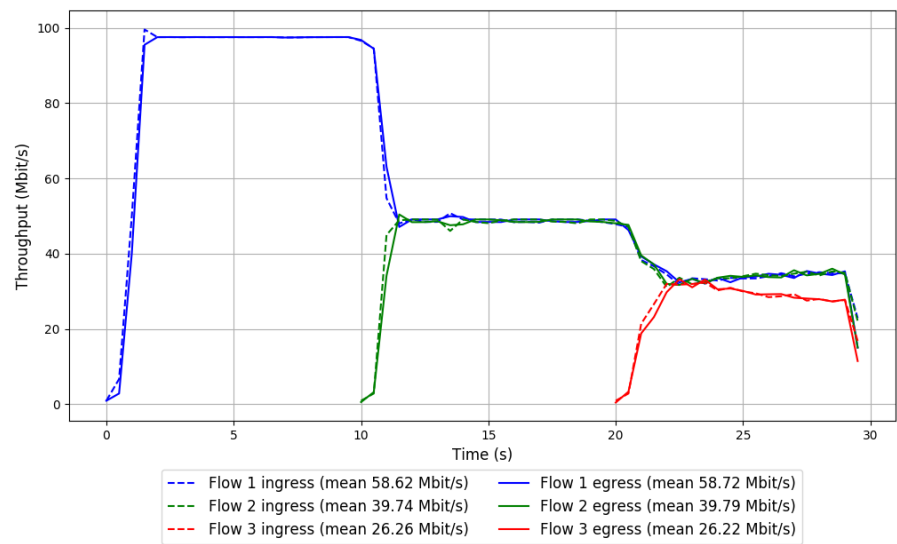
-- Flow 3:

Average throughput: 26.22 Mbit/s

95th percentile per-packet one-way delay: 114.467 ms

Loss rate: 2.21%

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

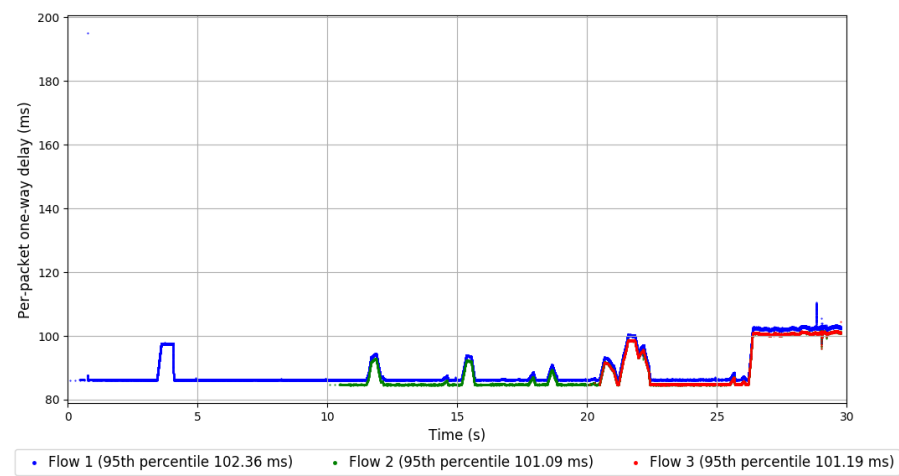
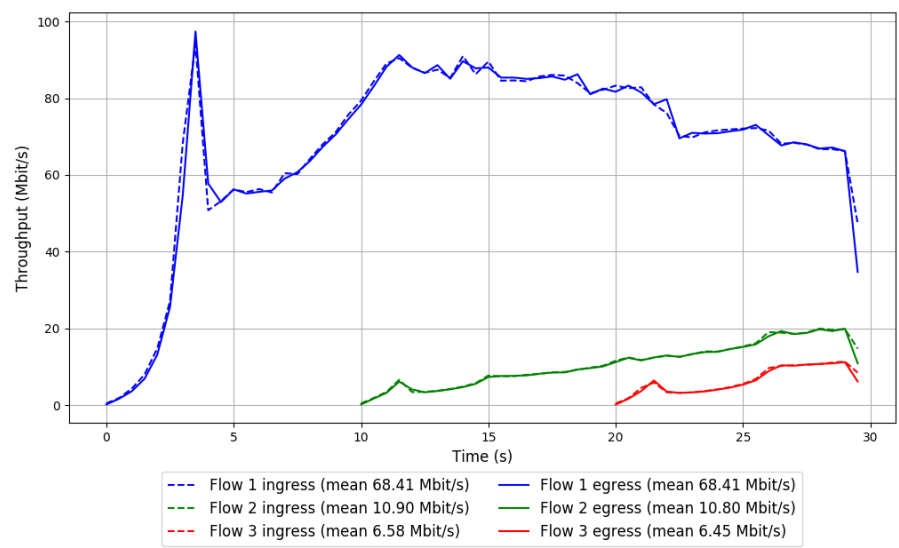


Run 1: Statistics of Vivace-latency

Start at: 2018-02-04 17:31:19
End at: 2018-02-04 17:31:49
Local clock offset: -0.084 ms
Remote clock offset: -4.929 ms

Below is generated by plot.py at 2018-02-05 01:43:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 102.304 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 102.363 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 101.091 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 101.195 ms
Loss rate: 3.64%

Run 1: Report of Vivace-latency — Data Link

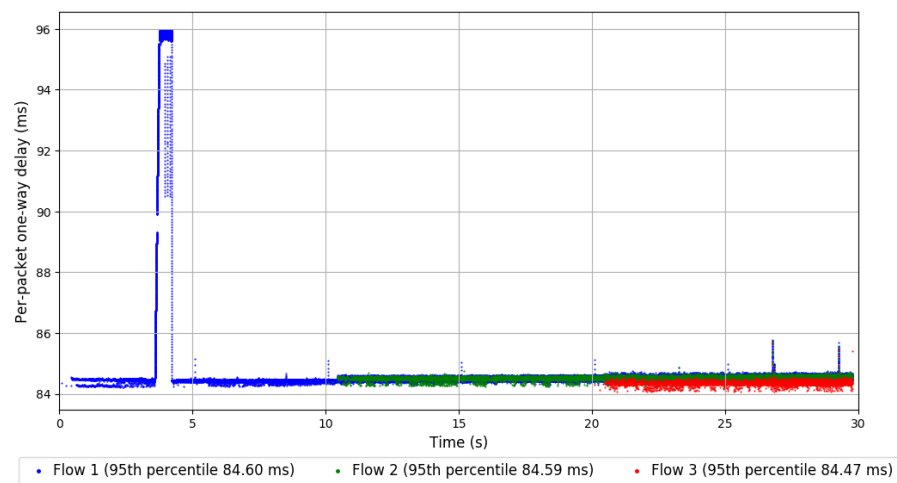
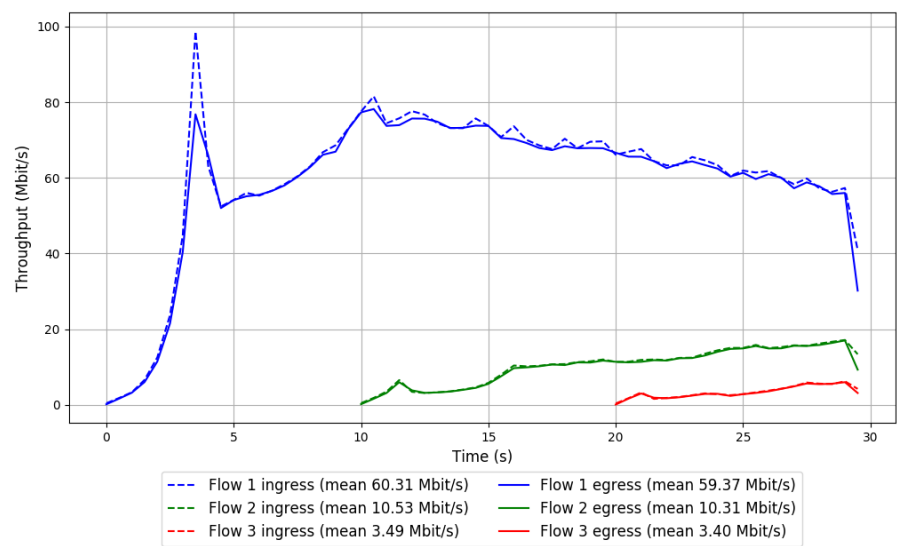


Run 2: Statistics of Vivace-latency

Start at: 2018-02-04 17:55:12
End at: 2018-02-04 17:55:42
Local clock offset: -0.022 ms
Remote clock offset: -4.945 ms

Below is generated by plot.py at 2018-02-05 01:43:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 84.599 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 84.603 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 84.593 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 84.471 ms
Loss rate: 4.32%

Run 2: Report of Vivace-latency — Data Link

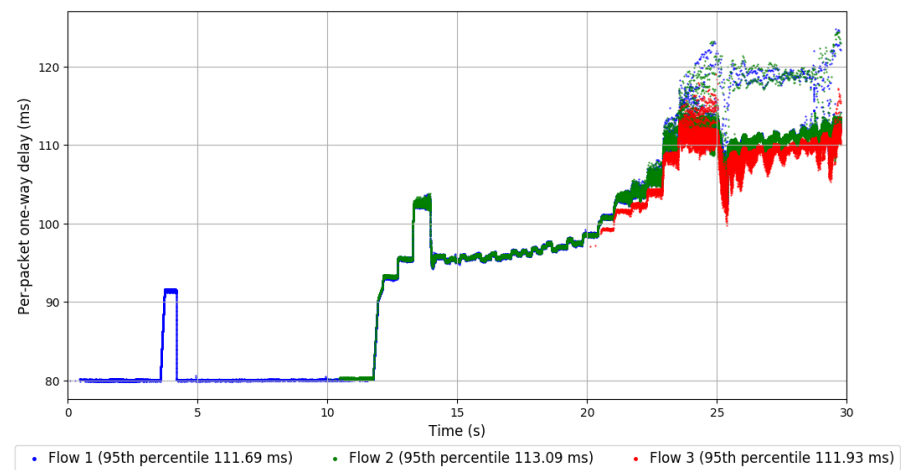
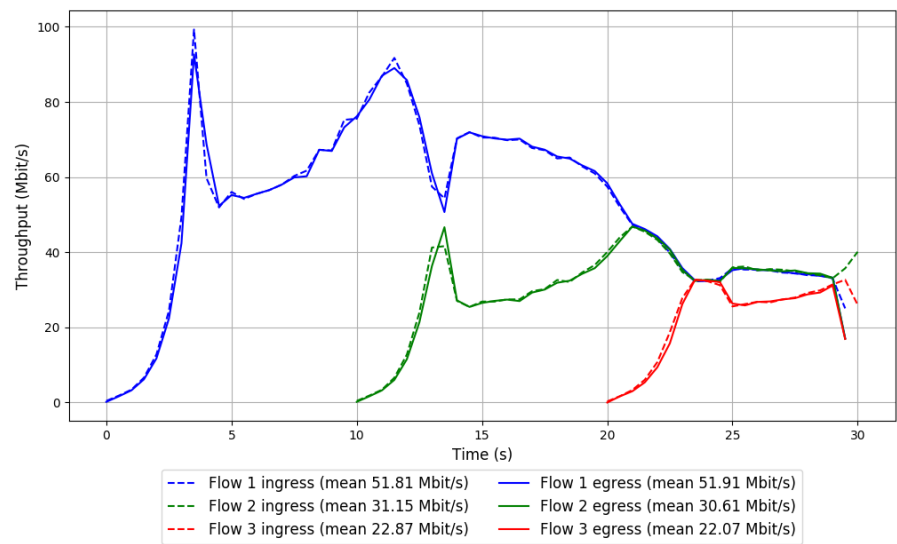


Run 3: Statistics of Vivace-latency

Start at: 2018-02-04 18:19:18
End at: 2018-02-04 18:19:48
Local clock offset: -0.028 ms
Remote clock offset: -1.476 ms

Below is generated by plot.py at 2018-02-05 01:43:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 112.194 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 111.690 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 113.088 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 111.934 ms
Loss rate: 10.32%

Run 3: Report of Vivace-latency — Data Link

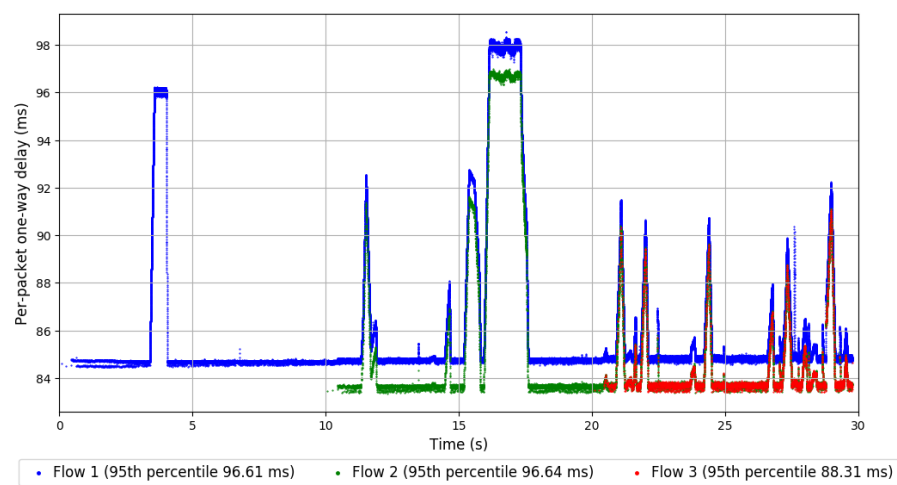
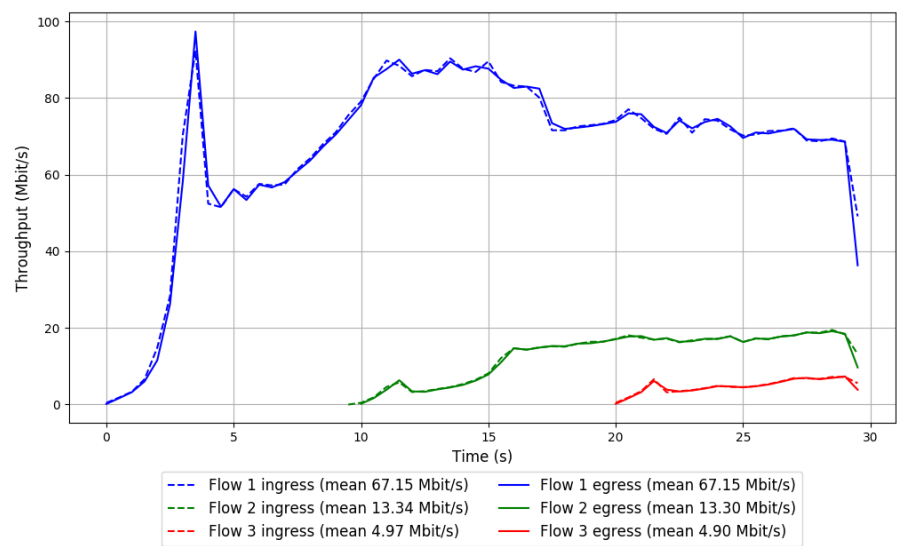


Run 4: Statistics of Vivace-latency

Start at: 2018-02-04 18:43:29
End at: 2018-02-04 18:43:59
Local clock offset: -0.041 ms
Remote clock offset: -4.645 ms

Below is generated by plot.py at 2018-02-05 01:44:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 96.575 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 96.614 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 96.645 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 88.315 ms
Loss rate: 3.02%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-04 19:07:20

End at: 2018-02-04 19:07:50

Local clock offset: -0.121 ms

Remote clock offset: 1.982 ms

Below is generated by plot.py at 2018-02-05 01:44:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.46 Mbit/s

95th percentile per-packet one-way delay: 79.794 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 79.818 ms

Loss rate: 2.40%

-- Flow 2:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 78.431 ms

Loss rate: 3.05%

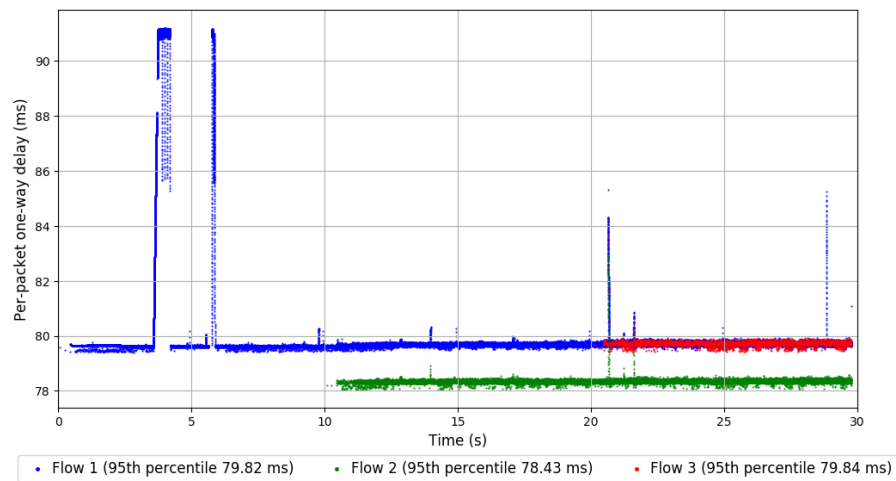
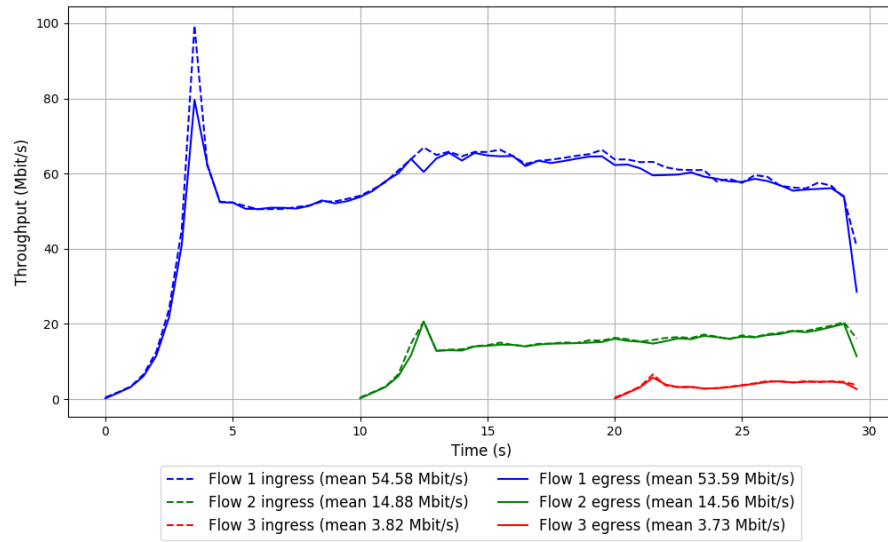
-- Flow 3:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 79.838 ms

Loss rate: 4.23%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-04 19:31:22

End at: 2018-02-04 19:31:52

Local clock offset: -0.07 ms

Remote clock offset: -2.73 ms

Below is generated by plot.py at 2018-02-05 01:44:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 97.206 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 96.960 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 11.34 Mbit/s

95th percentile per-packet one-way delay: 99.446 ms

Loss rate: 1.55%

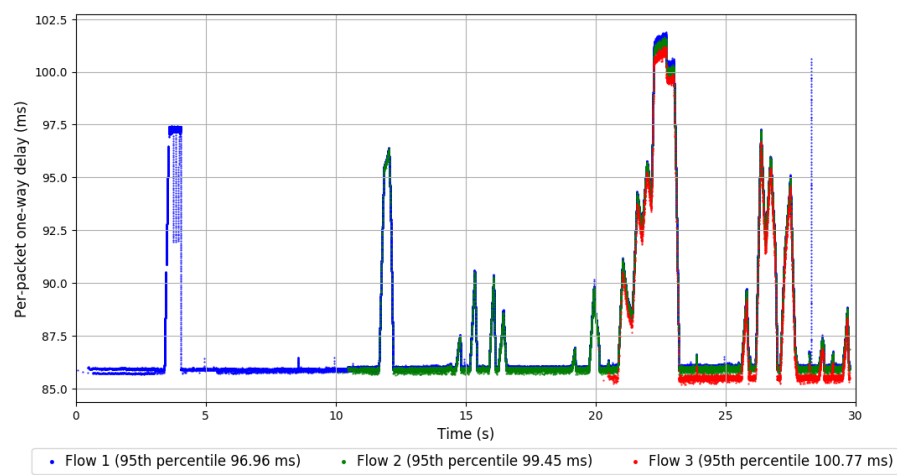
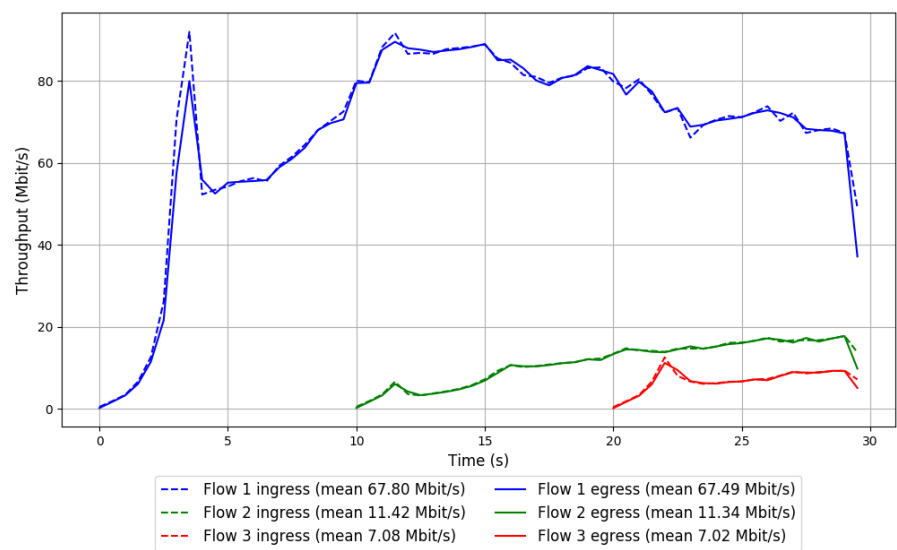
-- Flow 3:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 100.772 ms

Loss rate: 2.63%

Run 6: Report of Vivace-latency — Data Link

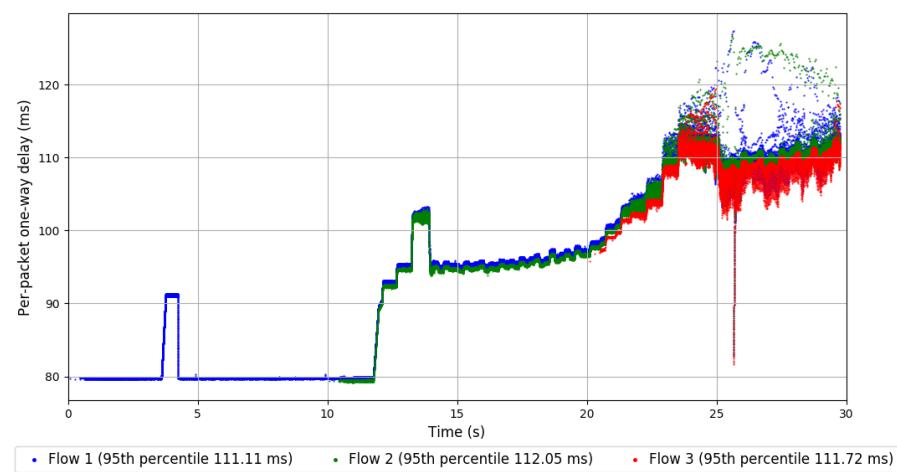
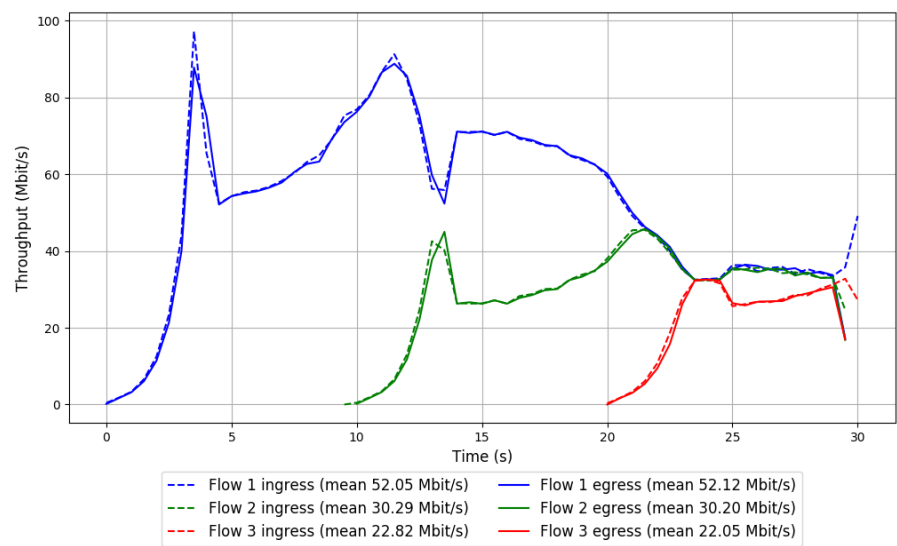


Run 7: Statistics of Vivace-latency

Start at: 2018-02-04 19:55:10
End at: 2018-02-04 19:55:40
Local clock offset: -0.095 ms
Remote clock offset: 3.571 ms

Below is generated by plot.py at 2018-02-05 01:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 111.668 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 111.112 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 112.053 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 111.720 ms
Loss rate: 10.54%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-04 20:19:04

End at: 2018-02-04 20:19:34

Local clock offset: -0.089 ms

Remote clock offset: 4.881 ms

Below is generated by plot.py at 2018-02-05 01:44:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.45 Mbit/s

95th percentile per-packet one-way delay: 95.674 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 95.512 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 29.49 Mbit/s

95th percentile per-packet one-way delay: 100.508 ms

Loss rate: 1.02%

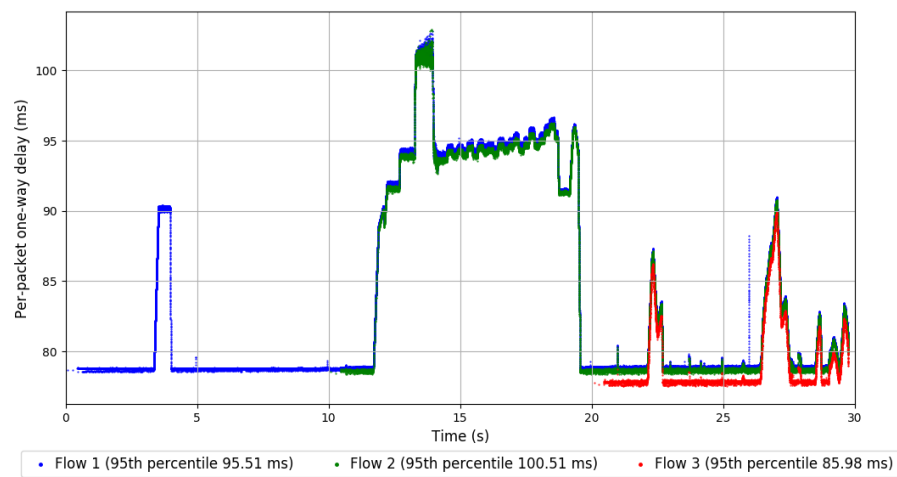
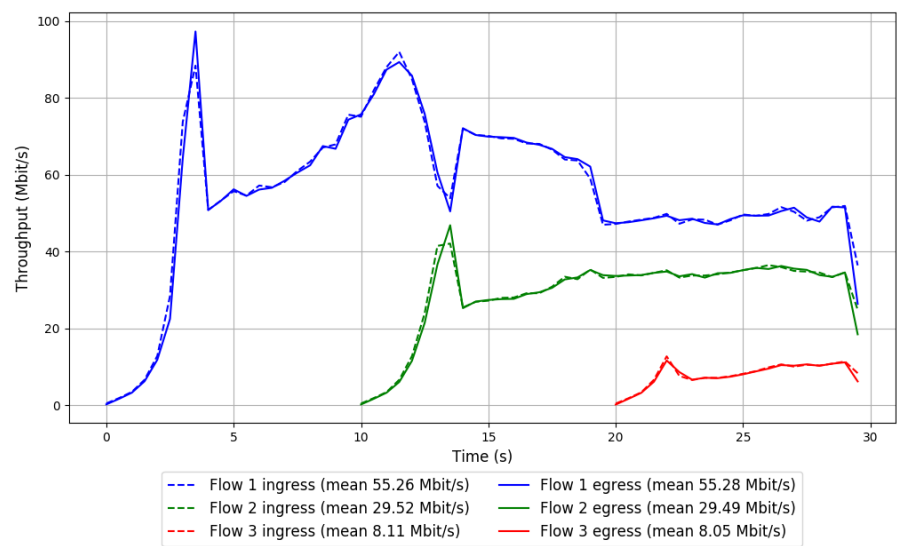
-- Flow 3:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 85.980 ms

Loss rate: 2.54%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-04 20:43:01

End at: 2018-02-04 20:43:31

Local clock offset: 0.006 ms

Remote clock offset: 4.944 ms

Below is generated by plot.py at 2018-02-05 01:44:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.12 Mbit/s

95th percentile per-packet one-way delay: 84.592 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 62.99 Mbit/s

95th percentile per-packet one-way delay: 83.455 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 86.046 ms

Loss rate: 1.85%

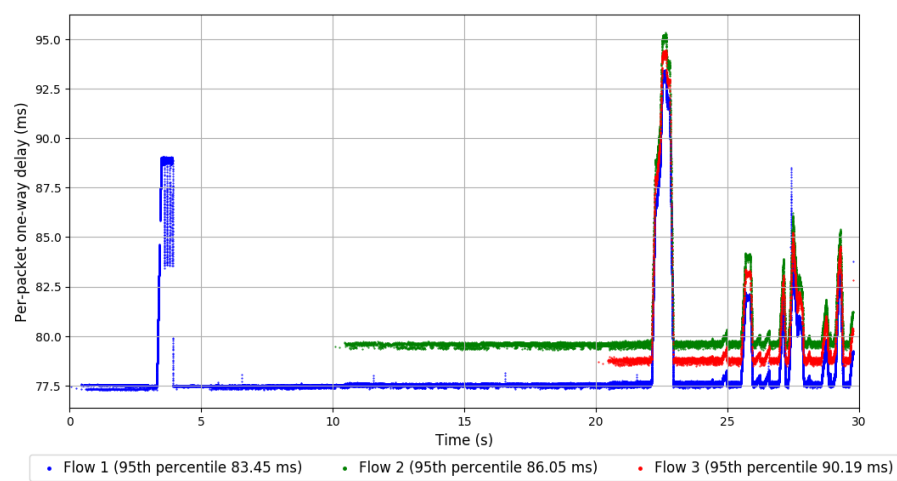
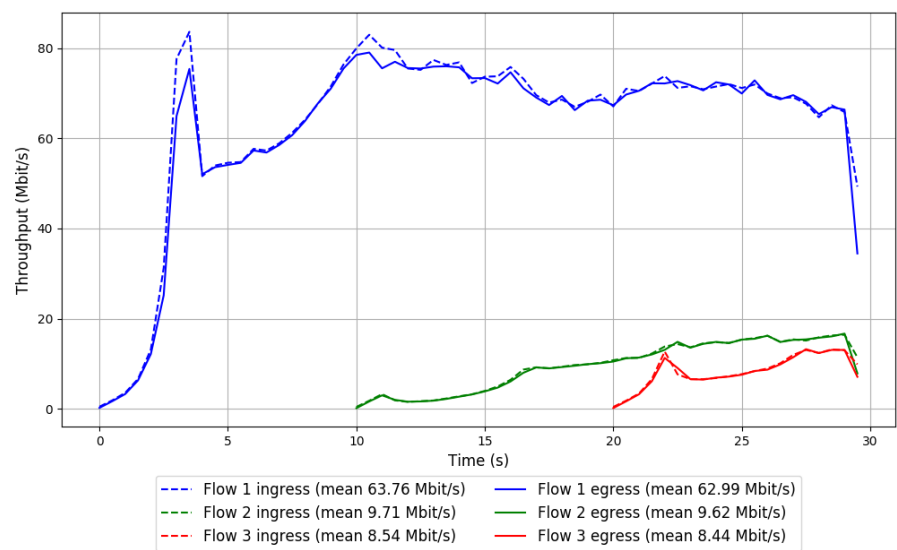
-- Flow 3:

Average throughput: 8.44 Mbit/s

95th percentile per-packet one-way delay: 90.194 ms

Loss rate: 2.93%

Run 9: Report of Vivace-latency — Data Link

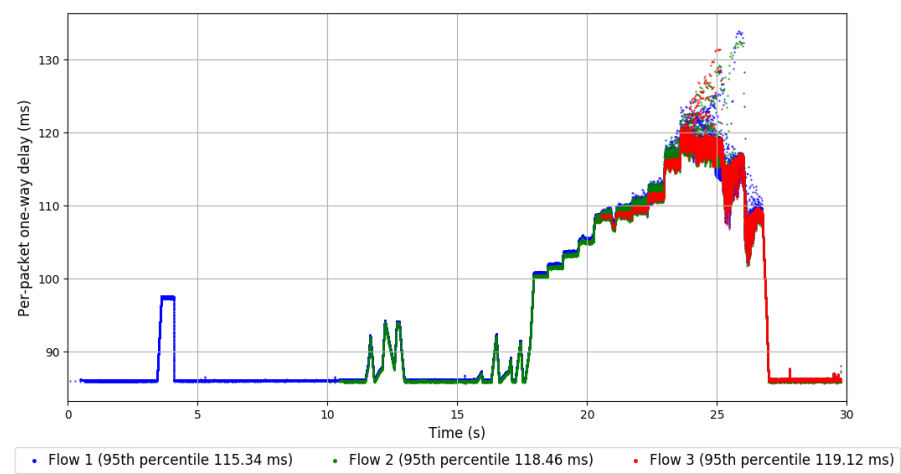
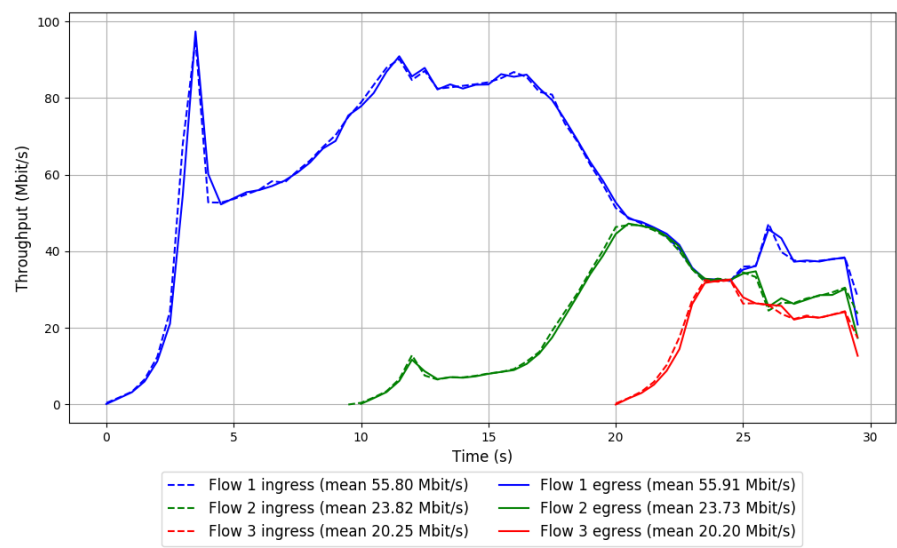


Run 10: Statistics of Vivace-latency

Start at: 2018-02-04 21:06:51
End at: 2018-02-04 21:07:21
Local clock offset: -0.145 ms
Remote clock offset: -1.612 ms

Below is generated by plot.py at 2018-02-05 01:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 117.926 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 115.340 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 118.460 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 119.123 ms
Loss rate: 2.23%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-04 17:28:38

End at: 2018-02-04 17:29:08

Local clock offset: -0.097 ms

Remote clock offset: 0.779 ms

Below is generated by plot.py at 2018-02-05 01:45:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 77.762 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 61.56 Mbit/s

95th percentile per-packet one-way delay: 77.761 ms

Loss rate: 2.06%

-- Flow 2:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 77.602 ms

Loss rate: 2.83%

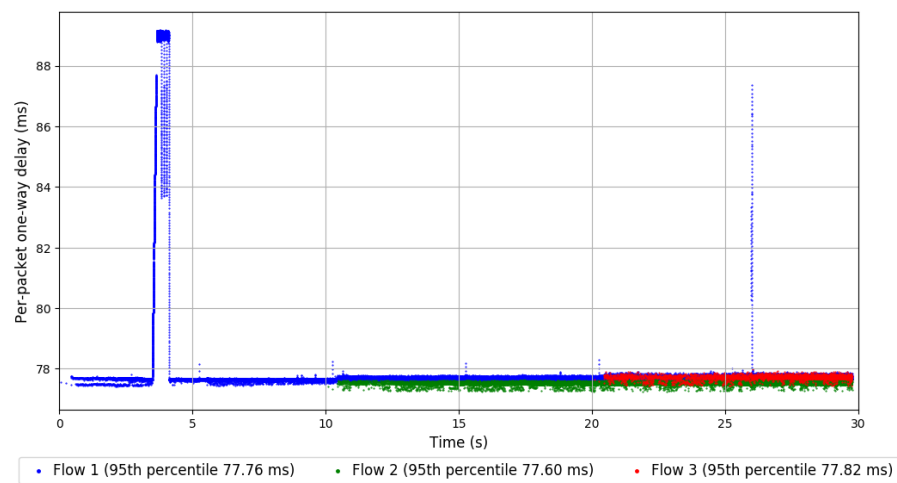
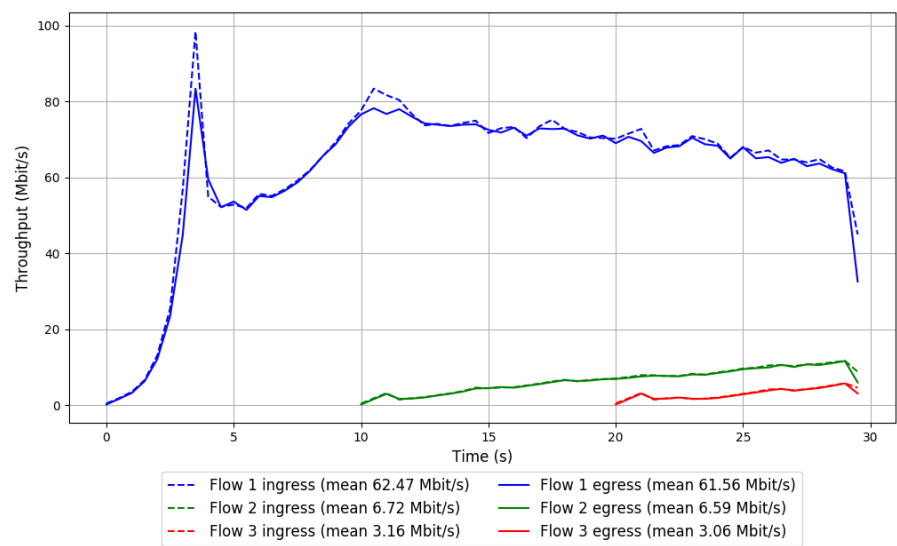
-- Flow 3:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 77.824 ms

Loss rate: 5.19%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-04 17:52:29

End at: 2018-02-04 17:52:59

Local clock offset: -0.018 ms

Remote clock offset: 1.48 ms

Below is generated by plot.py at 2018-02-05 01:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.52 Mbit/s

95th percentile per-packet one-way delay: 112.545 ms

Loss rate: 4.45%

-- Flow 1:

Average throughput: 50.98 Mbit/s

95th percentile per-packet one-way delay: 112.238 ms

Loss rate: 2.75%

-- Flow 2:

Average throughput: 29.73 Mbit/s

95th percentile per-packet one-way delay: 112.677 ms

Loss rate: 1.41%

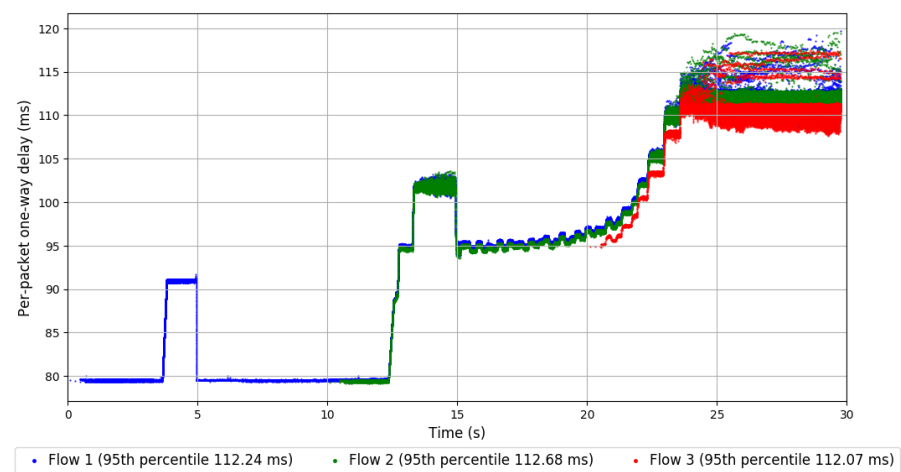
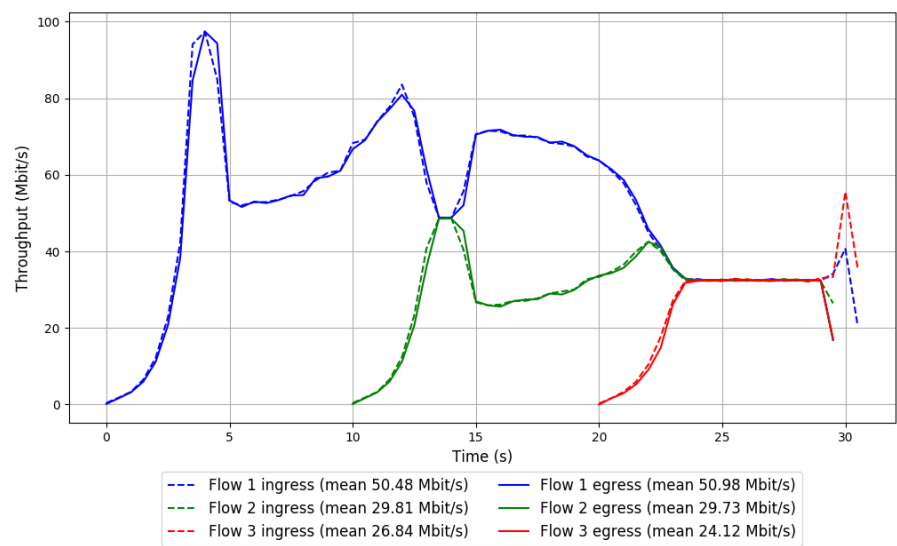
-- Flow 3:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 112.072 ms

Loss rate: 19.78%

Run 2: Report of Vivace-loss — Data Link

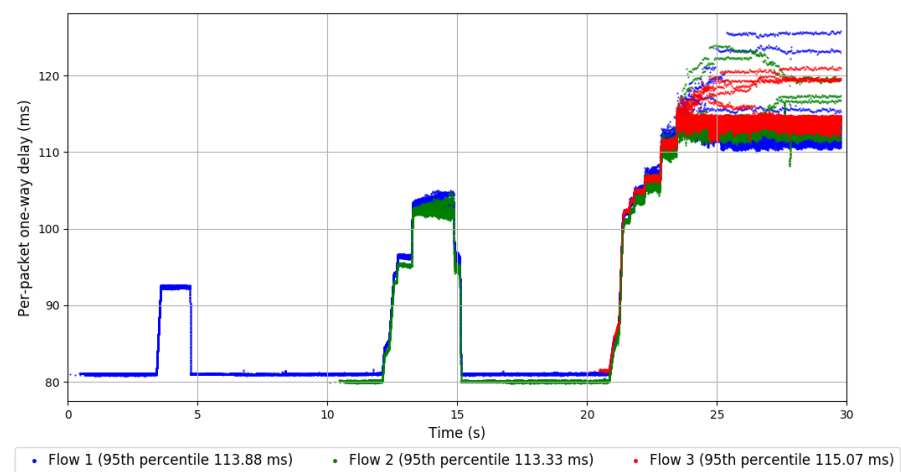
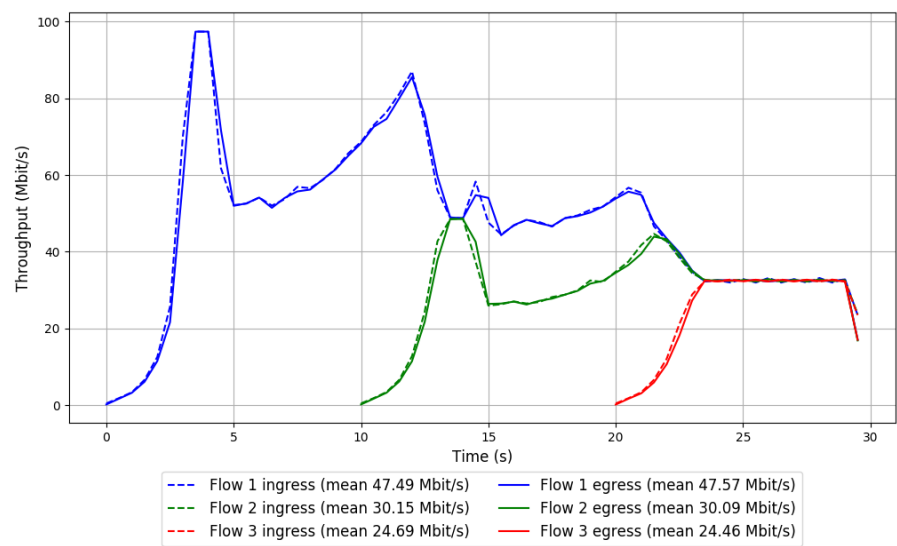


Run 3: Statistics of Vivace-loss

Start at: 2018-02-04 18:16:36
End at: 2018-02-04 18:17:06
Local clock offset: -0.071 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2018-02-05 01:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 114.480 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 47.57 Mbit/s
95th percentile per-packet one-way delay: 113.883 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 113.327 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 115.068 ms
Loss rate: 2.87%

Run 3: Report of Vivace-loss — Data Link

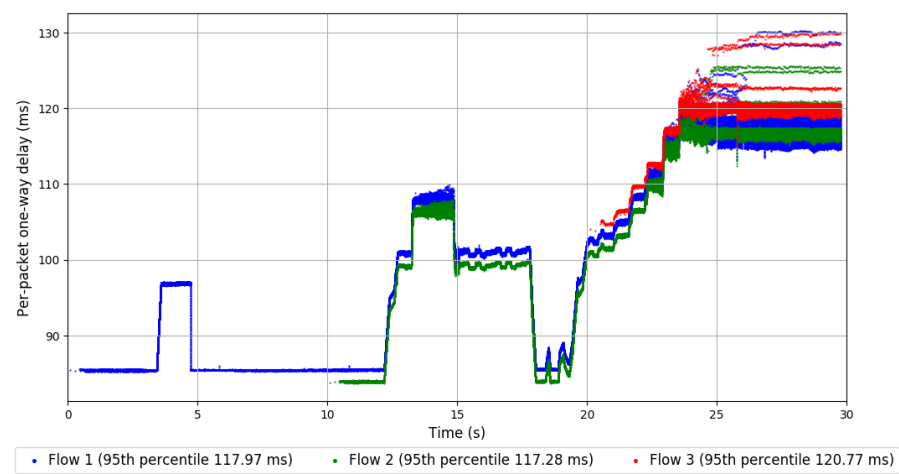
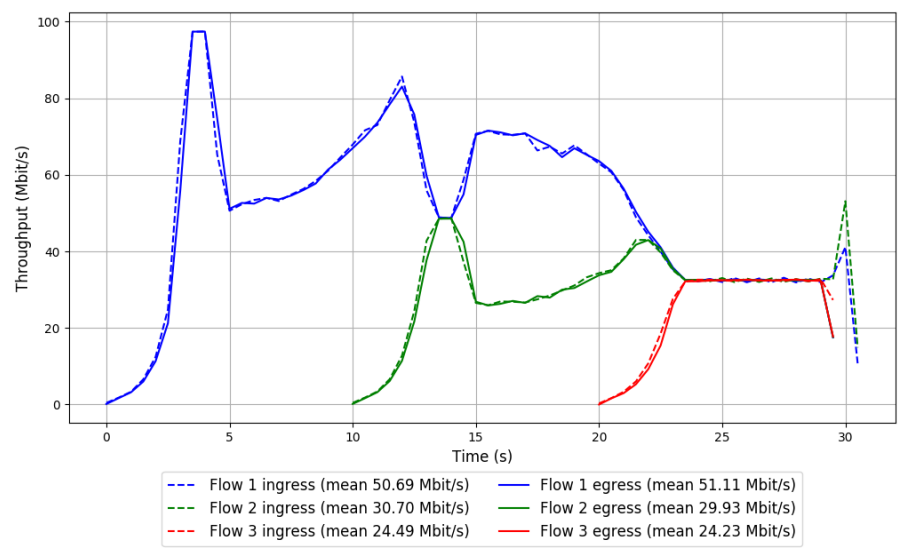


Run 4: Statistics of Vivace-loss

Start at: 2018-02-04 18:40:46
End at: 2018-02-04 18:41:16
Local clock offset: -0.032 ms
Remote clock offset: -5.737 ms

Below is generated by plot.py at 2018-02-05 01:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 120.306 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 51.11 Mbit/s
95th percentile per-packet one-way delay: 117.968 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 117.279 ms
Loss rate: 7.17%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 120.765 ms
Loss rate: 3.66%

Run 4: Report of Vivace-loss — Data Link

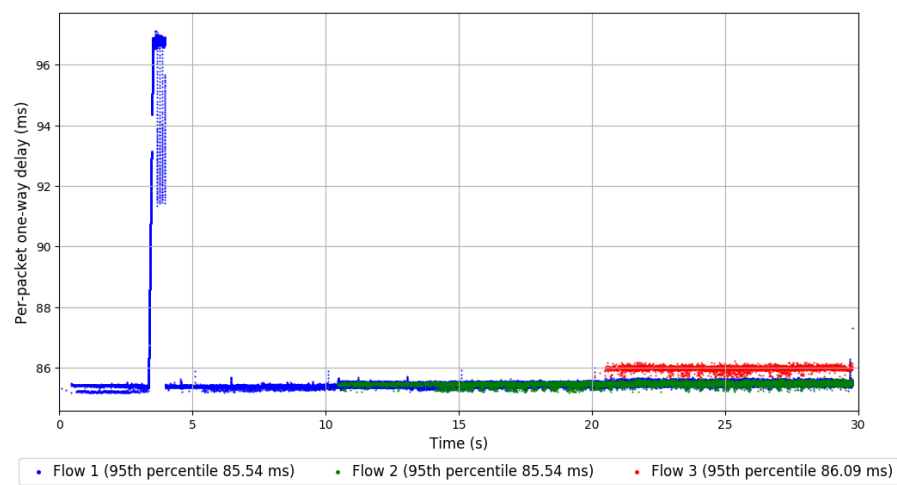
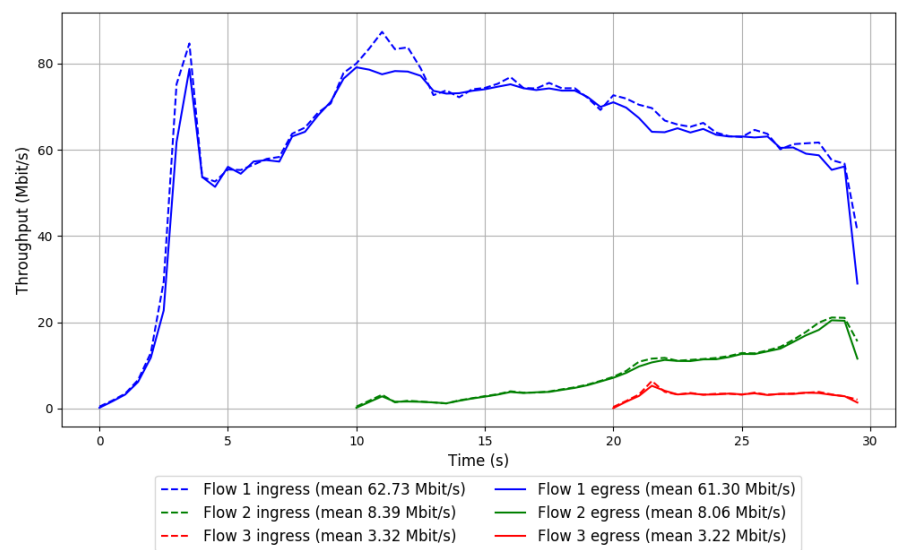


Run 5: Statistics of Vivace-loss

Start at: 2018-02-04 19:04:40
End at: 2018-02-04 19:05:10
Local clock offset: -0.046 ms
Remote clock offset: -3.909 ms

Below is generated by plot.py at 2018-02-05 01:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 85.573 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 85.544 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 85.537 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 86.092 ms
Loss rate: 4.68%

Run 5: Report of Vivace-loss — Data Link

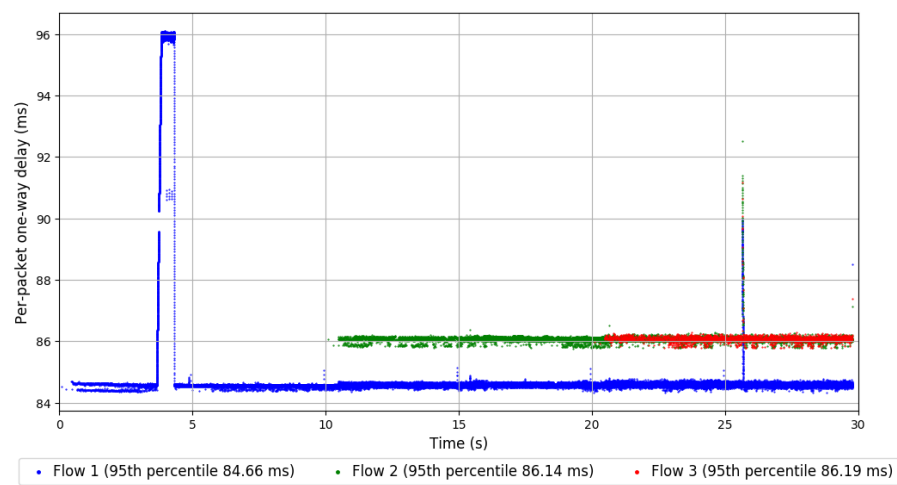
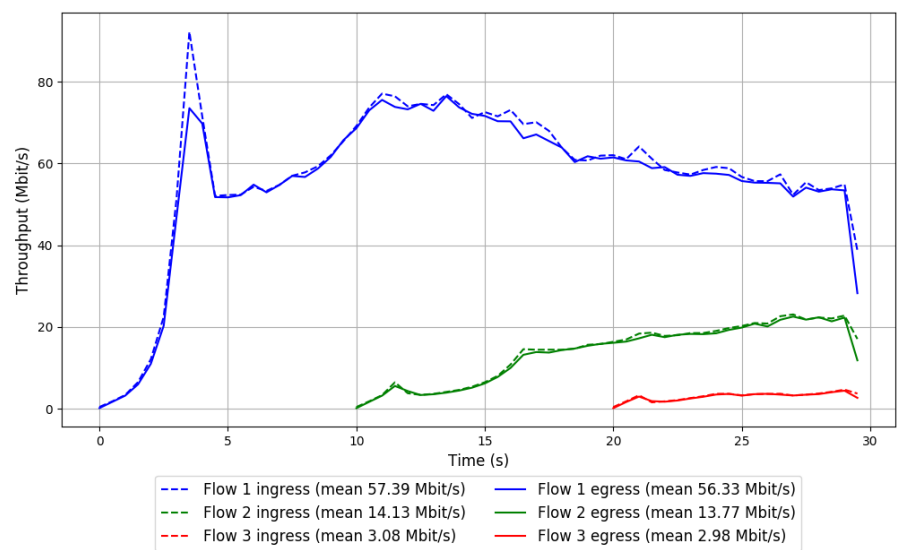


Run 6: Statistics of Vivace-loss

Start at: 2018-02-04 19:28:41
End at: 2018-02-04 19:29:11
Local clock offset: -0.063 ms
Remote clock offset: -1.846 ms

Below is generated by plot.py at 2018-02-05 01:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 86.121 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 84.661 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 86.144 ms
Loss rate: 3.40%
-- Flow 3:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 86.195 ms
Loss rate: 4.90%

Run 6: Report of Vivace-loss — Data Link

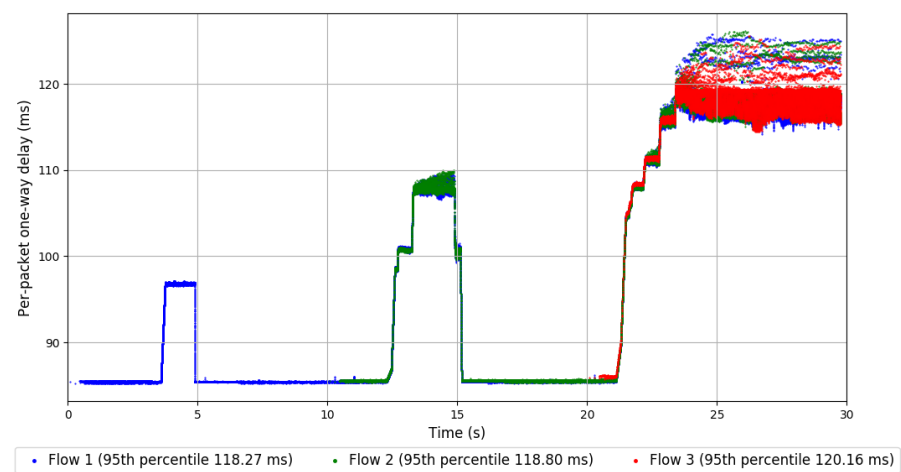
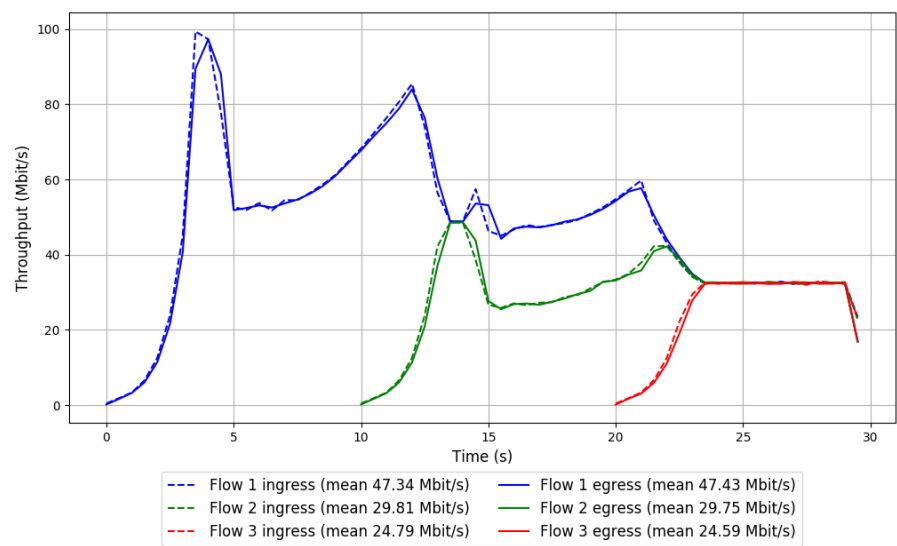


Run 7: Statistics of Vivace-loss

Start at: 2018-02-04 19:52:29
End at: 2018-02-04 19:52:59
Local clock offset: -0.108 ms
Remote clock offset: -2.175 ms

Below is generated by plot.py at 2018-02-05 01:46:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 118.847 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 118.272 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 118.798 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 120.158 ms
Loss rate: 2.80%

Run 7: Report of Vivace-loss — Data Link

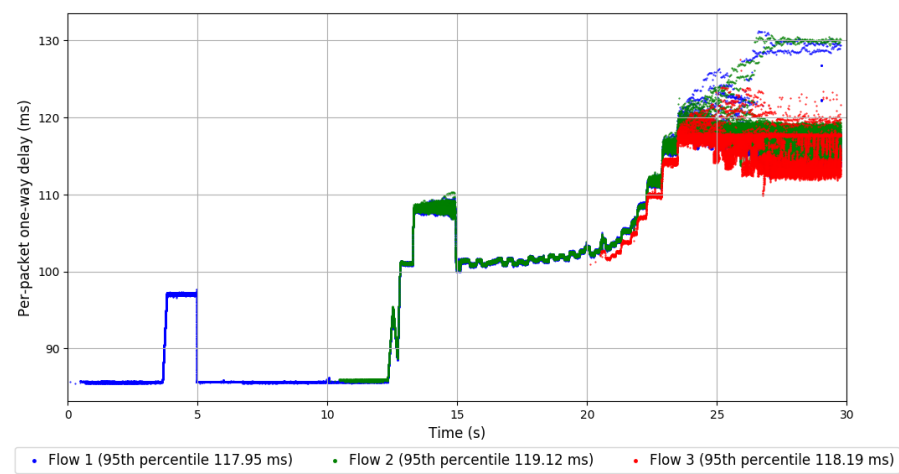
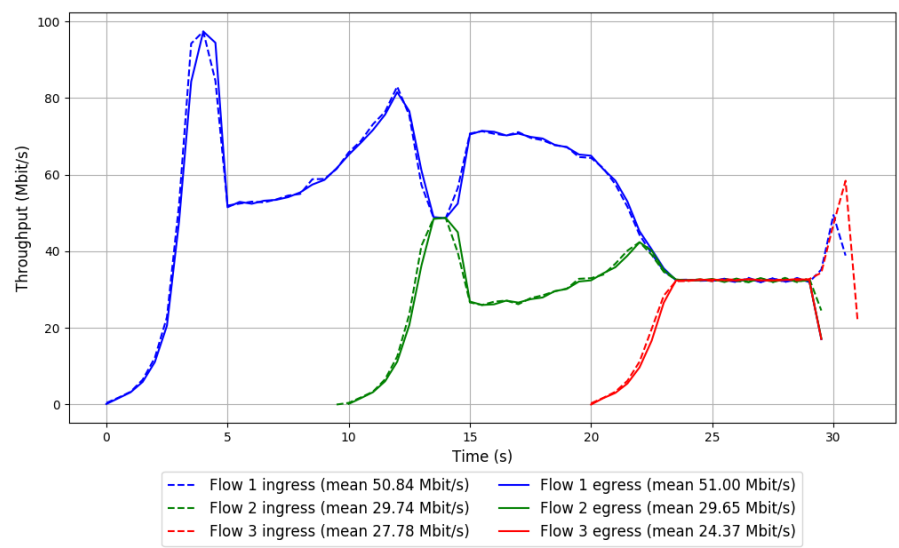


Run 8: Statistics of Vivace-loss

Start at: 2018-02-04 20:16:20
End at: 2018-02-04 20:16:50
Local clock offset: -0.05 ms
Remote clock offset: -1.793 ms

Below is generated by plot.py at 2018-02-05 01:46:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.57 Mbit/s
95th percentile per-packet one-way delay: 118.675 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 117.949 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 119.124 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 118.195 ms
Loss rate: 24.42%

Run 8: Report of Vivace-loss — Data Link

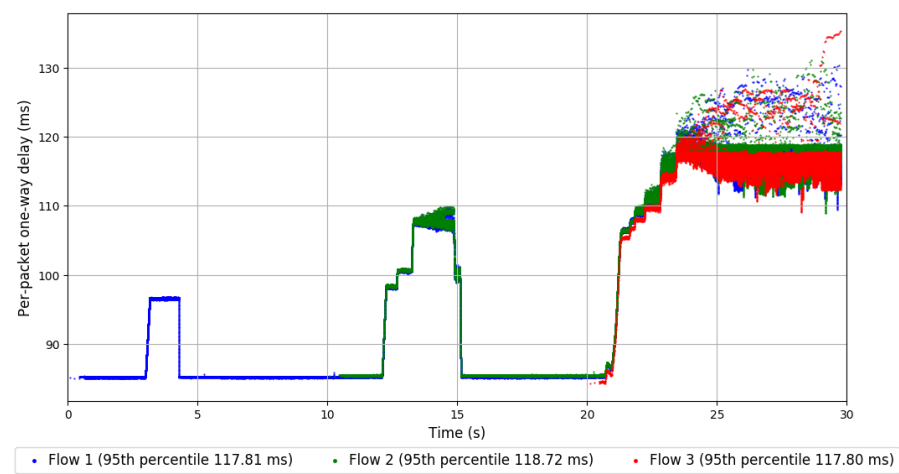
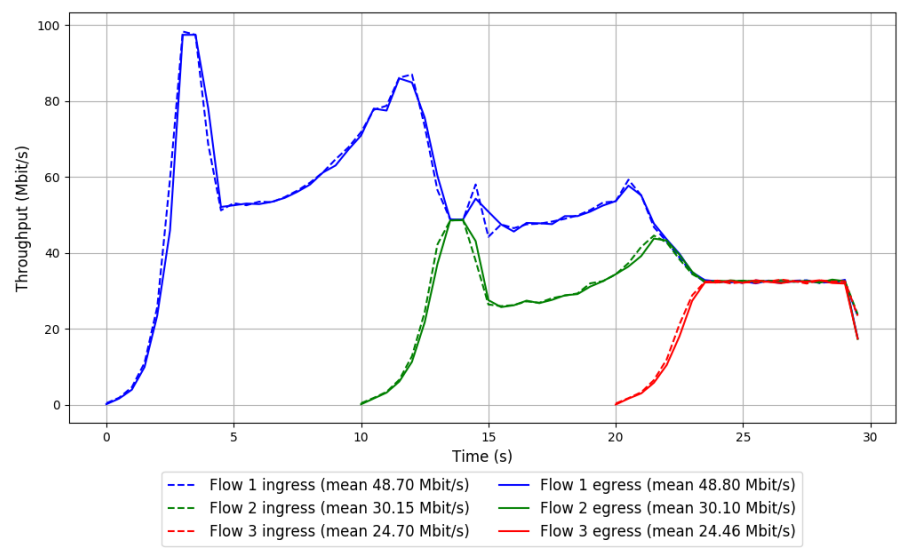


Run 9: Statistics of Vivace-loss

Start at: 2018-02-04 20:40:19
End at: 2018-02-04 20:40:49
Local clock offset: 0.008 ms
Remote clock offset: -1.647 ms

Below is generated by plot.py at 2018-02-05 01:46:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 118.353 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 117.811 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 118.719 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 117.803 ms
Loss rate: 2.99%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-04 21:04:09

End at: 2018-02-04 21:04:39

Local clock offset: -0.06 ms

Remote clock offset: -1.62 ms

Below is generated by plot.py at 2018-02-05 01:46:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 117.923 ms

Loss rate: 5.19%

-- Flow 1:

Average throughput: 51.63 Mbit/s

95th percentile per-packet one-way delay: 117.115 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 29.60 Mbit/s

95th percentile per-packet one-way delay: 117.675 ms

Loss rate: 10.02%

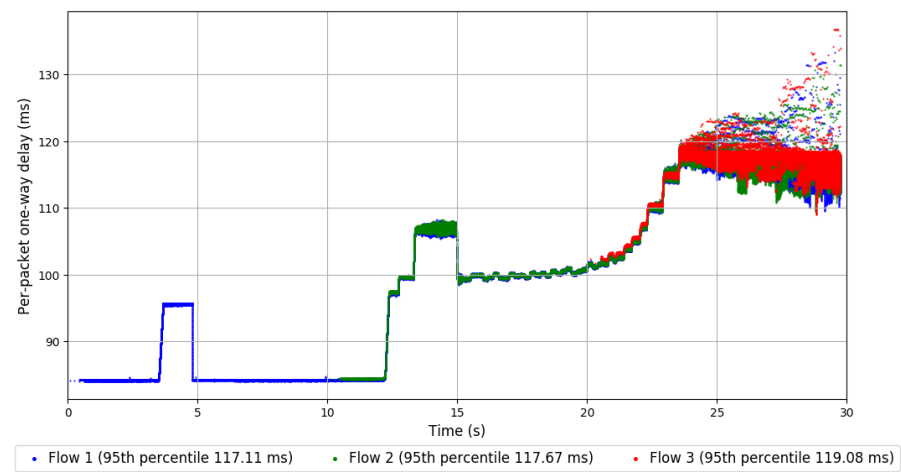
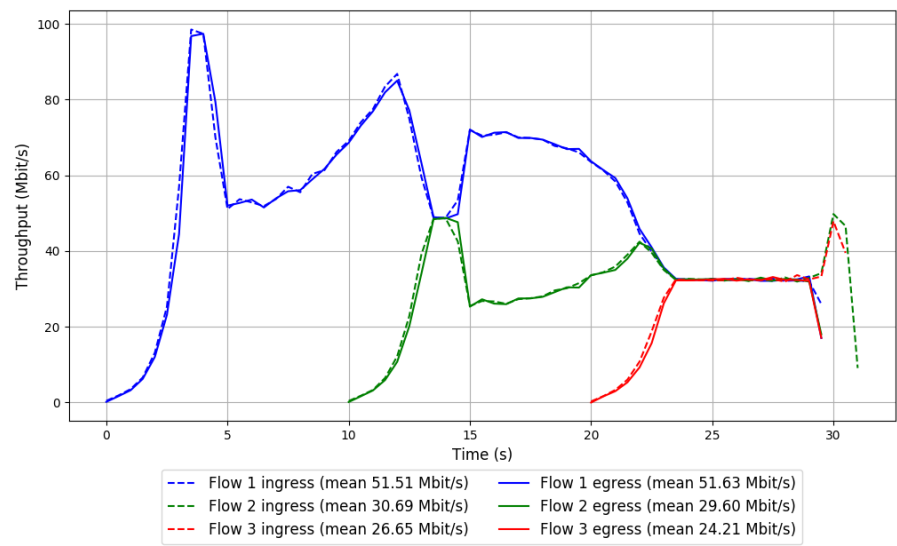
-- Flow 3:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 119.077 ms

Loss rate: 19.35%

Run 10: Report of Vivace-loss — Data Link

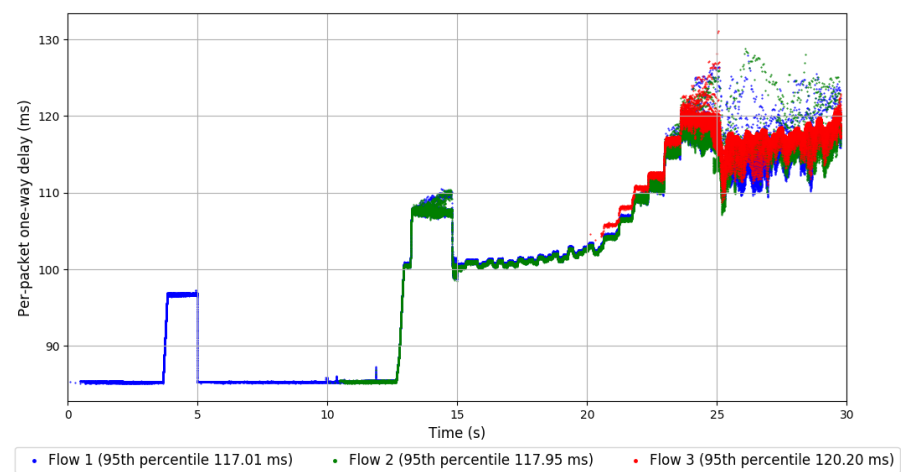
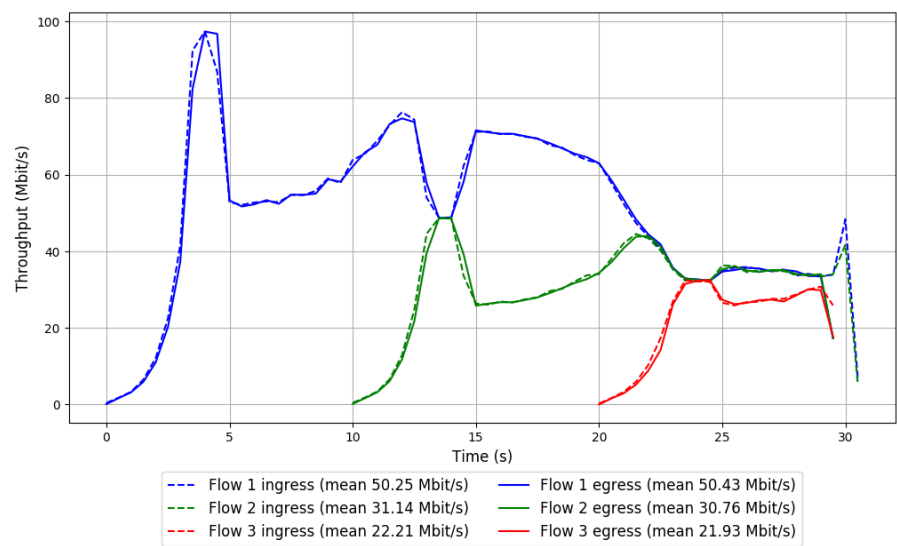


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-04 17:24:38
End at: 2018-02-04 17:25:08
Local clock offset: -0.108 ms
Remote clock offset: -5.707 ms

Below is generated by plot.py at 2018-02-05 01:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 118.331 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 117.007 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 117.948 ms
Loss rate: 5.57%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 120.202 ms
Loss rate: 3.64%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-04 17:48:29

End at: 2018-02-04 17:48:59

Local clock offset: -0.014 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2018-02-05 01:46:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 114.843 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 51.35 Mbit/s

95th percentile per-packet one-way delay: 111.623 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 115.182 ms

Loss rate: 1.17%

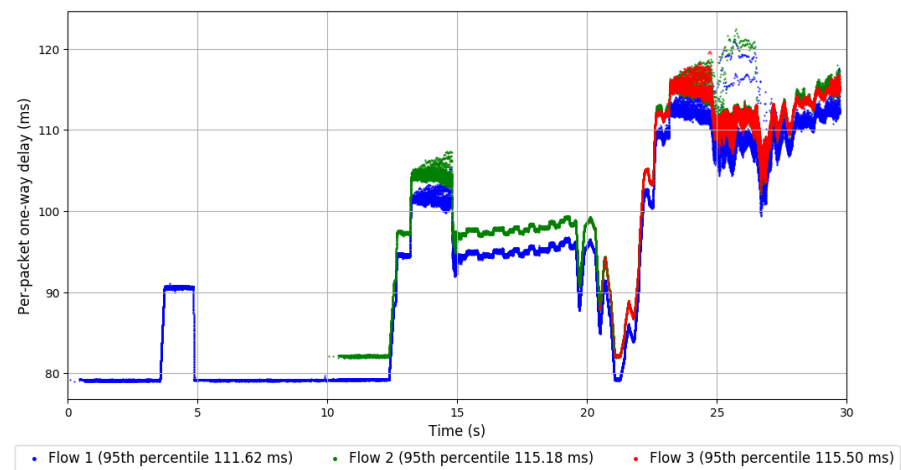
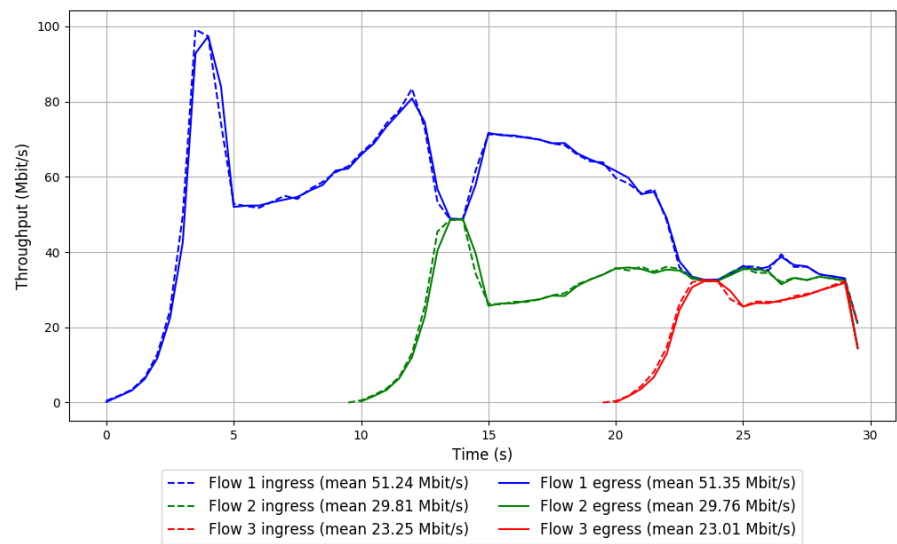
-- Flow 3:

Average throughput: 23.01 Mbit/s

95th percentile per-packet one-way delay: 115.497 ms

Loss rate: 3.05%

Run 2: Report of Vivace-LTE — Data Link

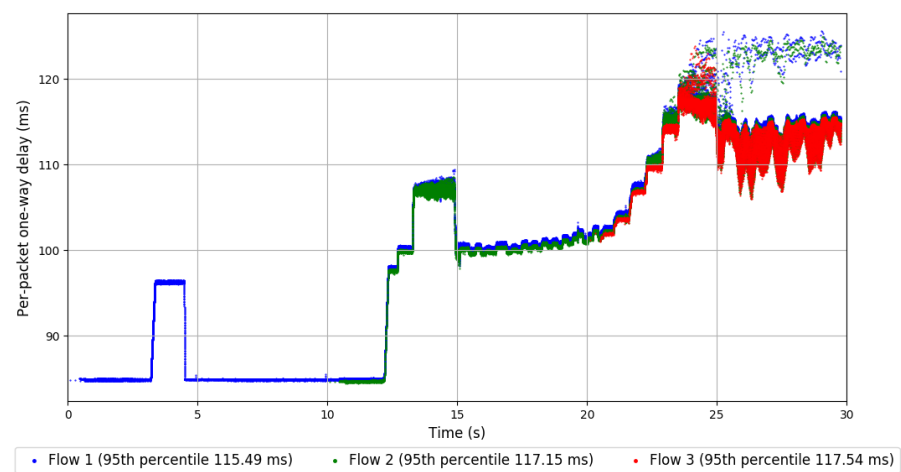
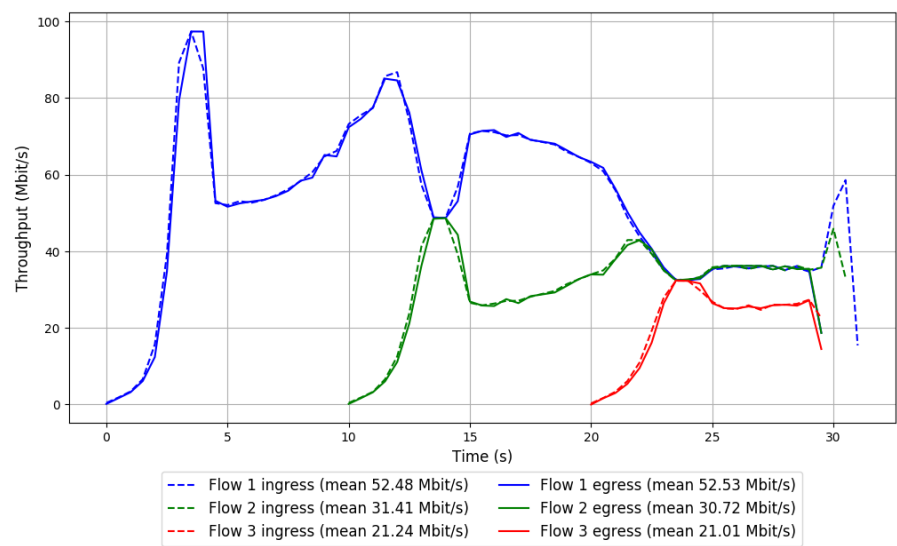


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-04 18:12:24
End at: 2018-02-04 18:12:54
Local clock offset: -0.018 ms
Remote clock offset: -5.582 ms

Below is generated by plot.py at 2018-02-05 01:46:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 116.781 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 115.494 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 117.151 ms
Loss rate: 7.93%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 117.540 ms
Loss rate: 3.44%

Run 3: Report of Vivace-LTE — Data Link

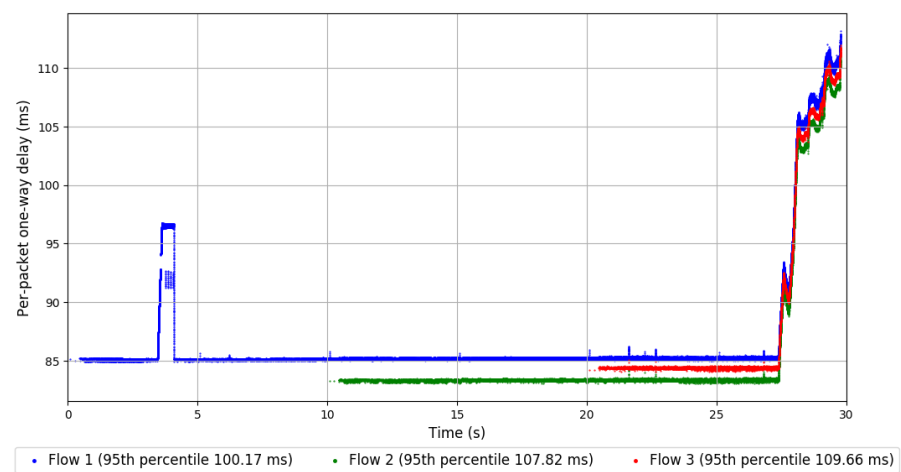
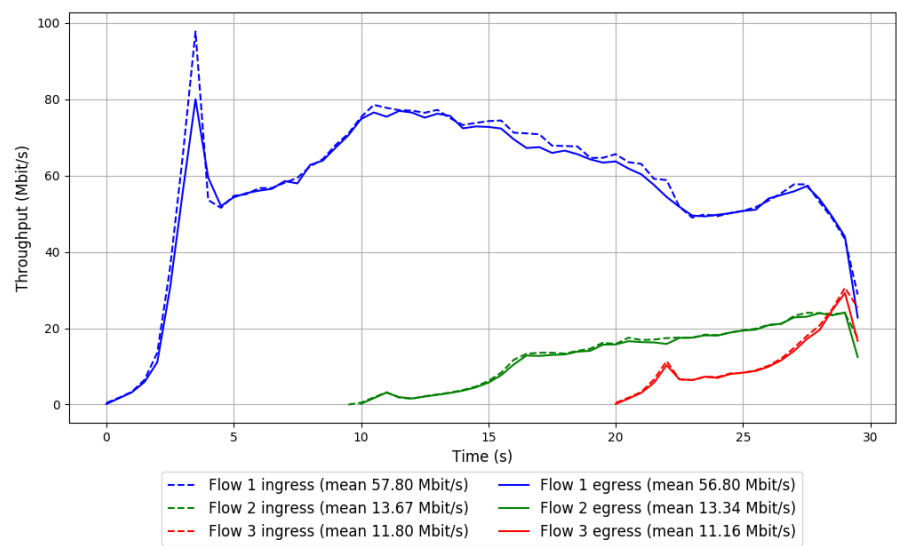


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-04 18:36:46
End at: 2018-02-04 18:37:16
Local clock offset: -0.004 ms
Remote clock offset: -5.262 ms

Below is generated by plot.py at 2018-02-05 01:46:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.29 Mbit/s
95th percentile per-packet one-way delay: 106.039 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 100.175 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 107.816 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 109.656 ms
Loss rate: 7.27%

Run 4: Report of Vivace-LTE — Data Link

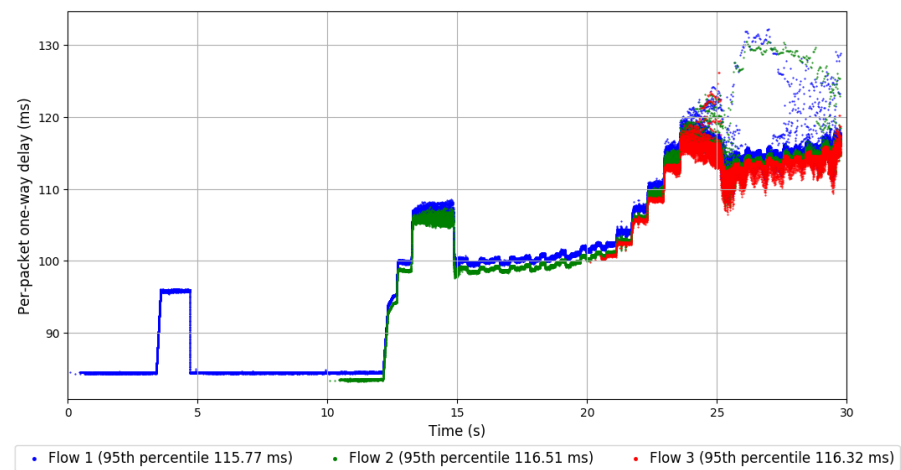
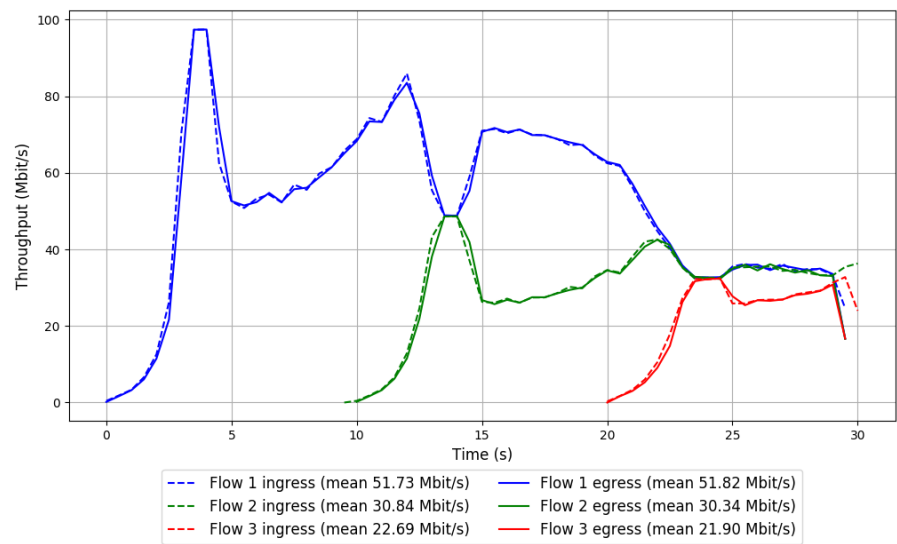


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-04 19:00:39
End at: 2018-02-04 19:01:09
Local clock offset: -0.053 ms
Remote clock offset: -3.324 ms

Below is generated by plot.py at 2018-02-05 01:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.05 Mbit/s
95th percentile per-packet one-way delay: 116.221 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 51.82 Mbit/s
95th percentile per-packet one-way delay: 115.769 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 116.508 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 116.319 ms
Loss rate: 10.11%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-04 19:24:34

End at: 2018-02-04 19:25:04

Local clock offset: -0.139 ms

Remote clock offset: 3.858 ms

Below is generated by plot.py at 2018-02-05 01:47:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.72 Mbit/s

95th percentile per-packet one-way delay: 79.081 ms

Loss rate: 3.30%

-- Flow 1:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 78.520 ms

Loss rate: 2.87%

-- Flow 2:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 77.506 ms

Loss rate: 4.50%

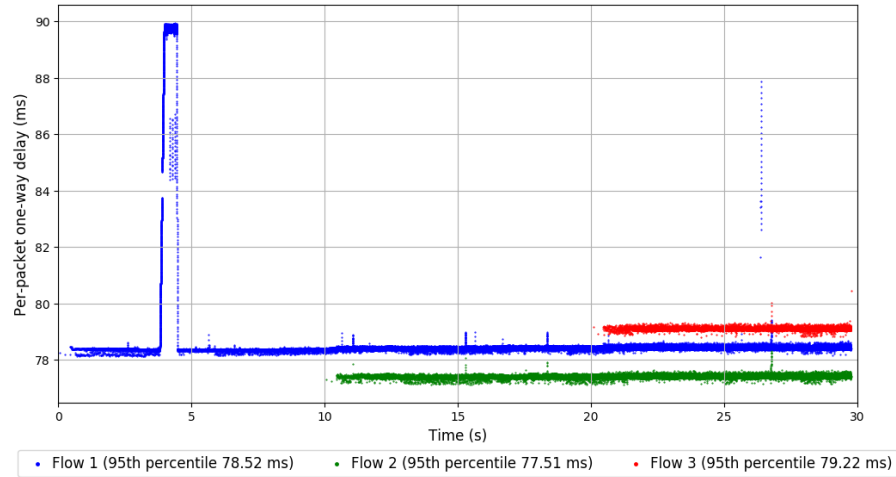
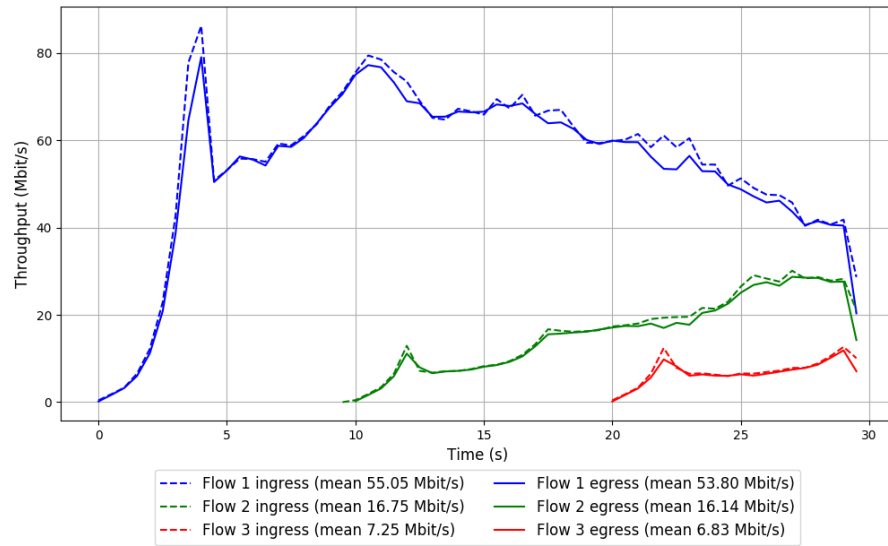
-- Flow 3:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 79.225 ms

Loss rate: 7.56%

Run 6: Report of Vivace-LTE — Data Link

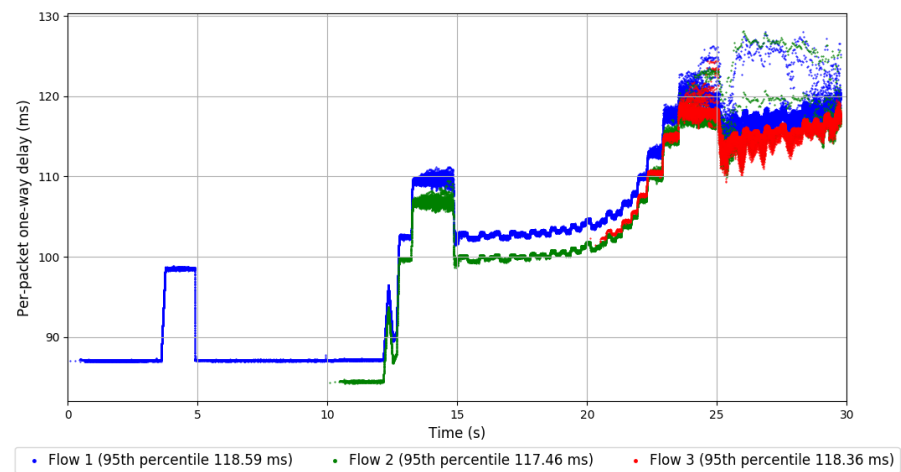
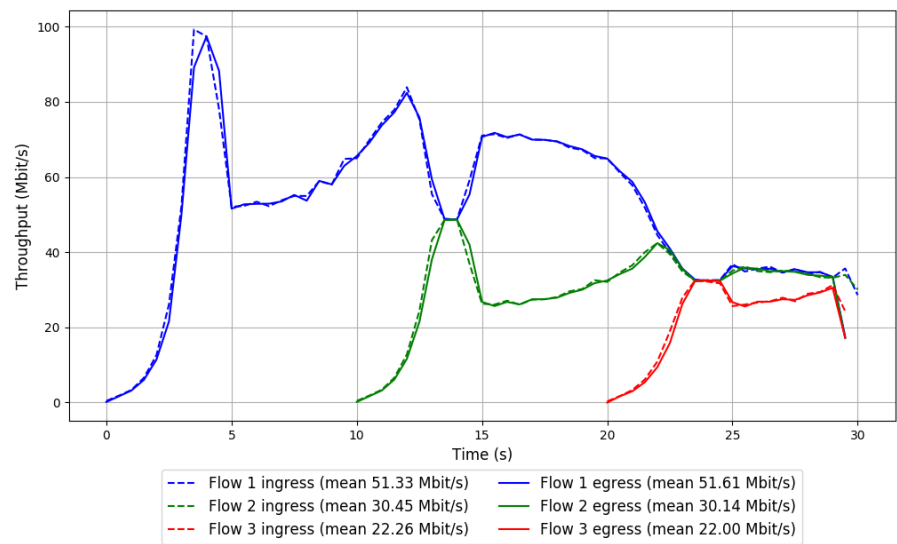


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-04 19:48:29
End at: 2018-02-04 19:48:59
Local clock offset: -0.1 ms
Remote clock offset: -2.346 ms

Below is generated by plot.py at 2018-02-05 01:47:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 118.251 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 51.61 Mbit/s
95th percentile per-packet one-way delay: 118.592 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 117.456 ms
Loss rate: 4.39%
-- Flow 3:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 118.358 ms
Loss rate: 3.33%

Run 7: Report of Vivace-LTE — Data Link

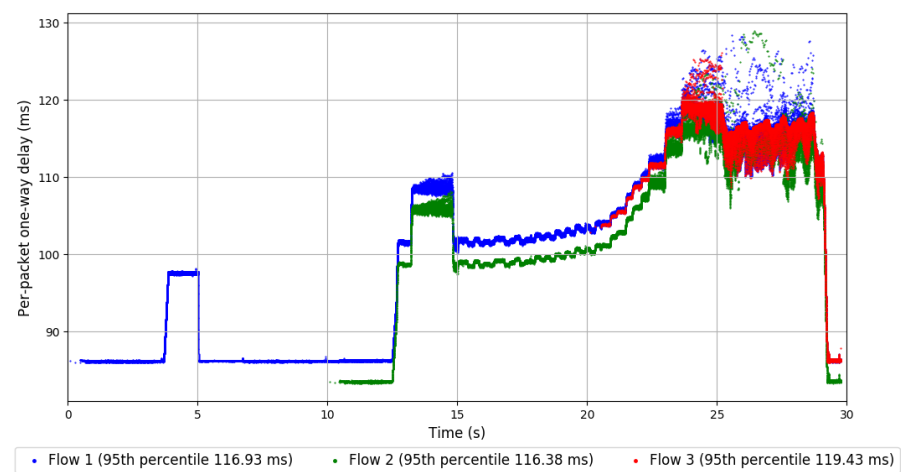
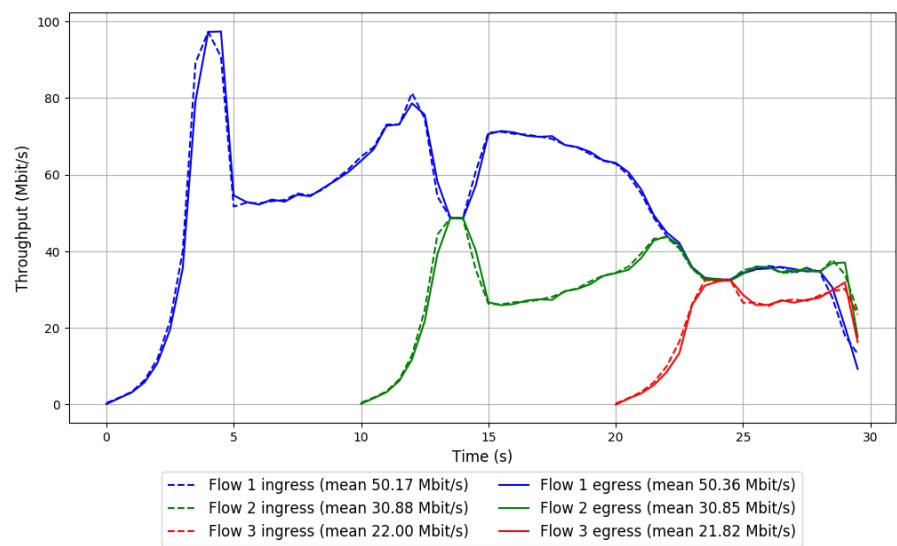


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-04 20:12:20
End at: 2018-02-04 20:12:50
Local clock offset: -0.047 ms
Remote clock offset: -0.927 ms

Below is generated by plot.py at 2018-02-05 01:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 117.517 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 116.934 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 116.376 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 119.426 ms
Loss rate: 2.84%

Run 8: Report of Vivace-LTE — Data Link

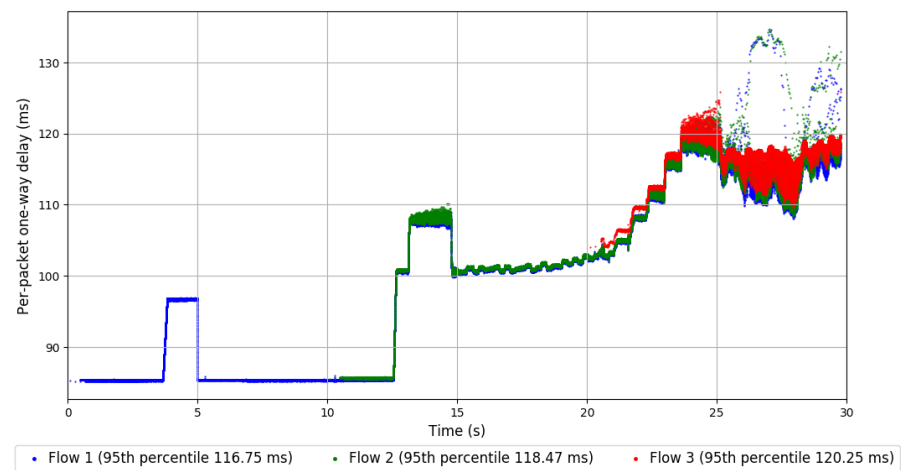
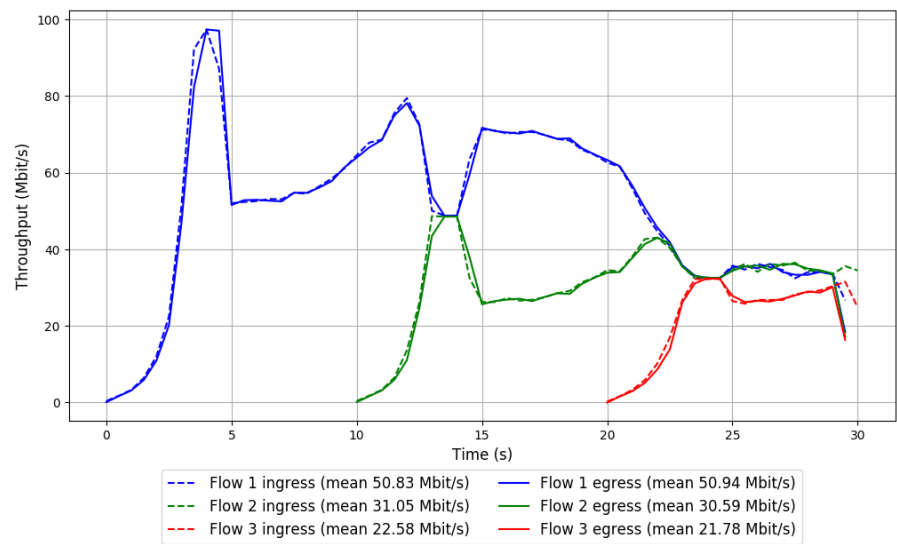


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-04 20:36:18
End at: 2018-02-04 20:36:48
Local clock offset: -0.051 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-02-05 01:47:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.30 Mbit/s
95th percentile per-packet one-way delay: 118.468 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 116.752 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 118.471 ms
Loss rate: 4.78%
-- Flow 3:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 120.254 ms
Loss rate: 10.09%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-04 21:00:09
End at: 2018-02-04 21:00:39
Local clock offset: -0.113 ms
Remote clock offset: -0.833 ms

Below is generated by plot.py at 2018-02-05 01:47:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.86 Mbit/s
95th percentile per-packet one-way delay: 116.328 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 115.729 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 116.392 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 116.633 ms
Loss rate: 2.86%

Run 10: Report of Vivace-LTE — Data Link

