

Pantheon Report

Generated at 2018-02-01 05:04:43 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 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).

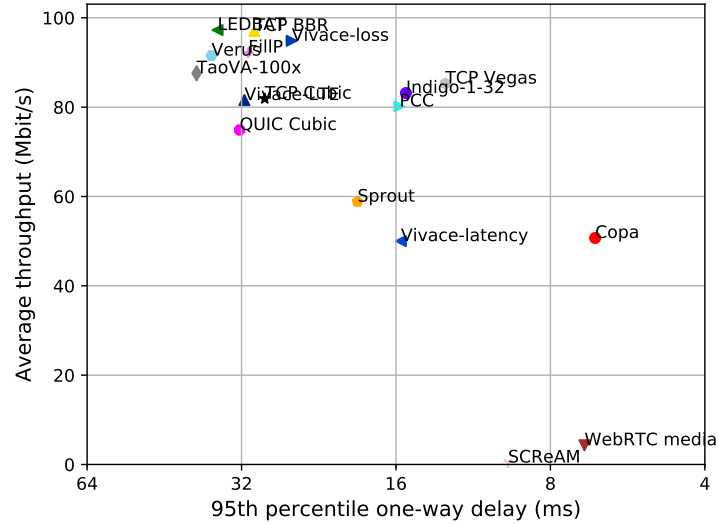
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

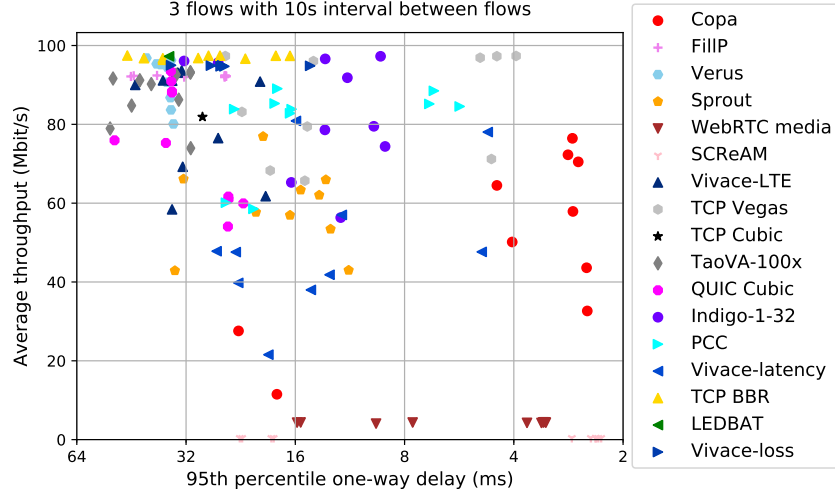
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



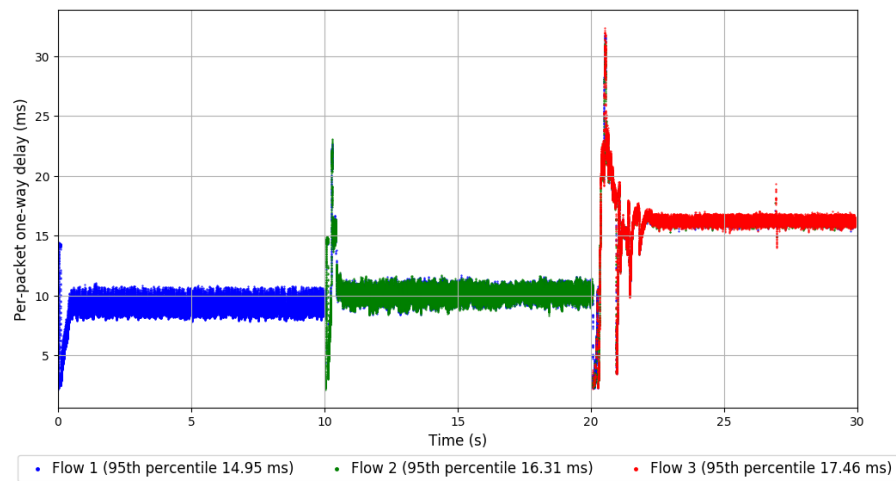
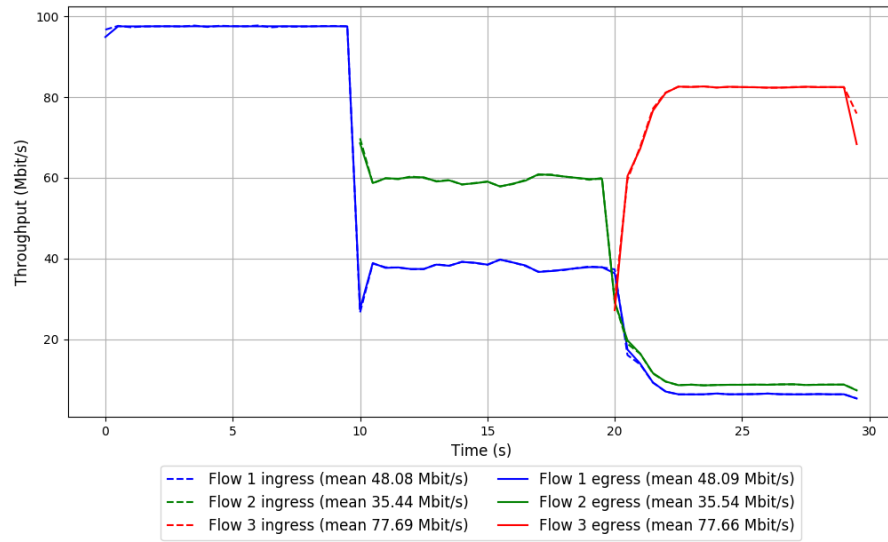
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 62.94 | 32.29 | 38.50 | 29.47 | 30.53 | 31.47 | 0.09 | 0.17 | 0.41 |
| TCP Cubic | 1 | 26.00 | 62.44 | 43.52 | 24.91 | 28.78 | 29.48 | 0.25 | 0.49 | 0.73 |
| LEDBAT | 1 | 69.00 | 29.17 | 26.93 | 34.71 | 35.49 | 36.33 | 0.08 | 0.74 | 1.21 |
| PCC | 10 | 59.62 | 25.87 | 10.35 | 15.54 | 16.04 | 16.44 | 0.13 | 0.26 | 0.56 |
| QUIC Cubic | 10 | 30.99 | 49.02 | 35.55 | 23.52 | 32.24 | 32.49 | 0.09 | 0.30 | 0.76 |
| SCReAM | 10 | 0.22 | 0.22 | 0.22 | 9.67 | 9.69 | 9.69 | 0.13 | 0.20 | 0.38 |
| WebRTC media | 10 | 2.30 | 1.41 | 0.61 | 6.83 | 6.85 | 7.00 | 0.21 | 0.30 | 1.02 |
| Sprout | 10 | 28.01 | 32.56 | 27.71 | 18.38 | 18.96 | 20.40 | 0.12 | 0.22 | 0.51 |
| TaoVA-100x | 10 | 51.71 | 38.24 | 31.84 | 38.83 | 39.17 | 39.26 | 0.11 | 0.29 | 0.69 |
| TCP Vegas | 10 | 46.11 | 34.74 | 49.09 | 14.12 | 10.74 | 10.41 | 0.01 | 0.08 | 0.12 |
| Verus | 10 | 55.44 | 38.64 | 31.75 | 35.22 | 36.84 | 37.53 | 0.13 | 0.32 | 0.53 |
| Copa | 10 | 25.28 | 25.77 | 25.04 | 6.45 | 6.93 | 6.71 | 0.07 | 0.11 | 0.20 |
| FillP | 10 | 56.08 | 39.12 | 30.72 | 30.18 | 31.24 | 31.98 | 0.24 | 2.20 | 5.66 |
| Indigo-1-32 | 10 | 35.72 | 40.67 | 62.81 | 14.80 | 15.48 | 15.07 | 0.04 | 0.06 | 0.20 |
| Vivace-latency | 10 | 26.07 | 30.59 | 11.04 | 12.86 | 16.65 | 18.36 | 0.16 | 0.43 | 0.65 |
| Vivace-loss | 6 | 75.07 | 16.51 | 26.97 | 25.29 | 25.58 | 25.75 | 0.49 | 0.75 | 4.52 |
| Vivace-LTE | 10 | 44.80 | 41.37 | 28.05 | 30.46 | 31.73 | 32.49 | 0.16 | 0.27 | 0.86 |

Run 1: Statistics of TCP BBR

Start at: 2018-01-31 21:31:10
End at: 2018-01-31 21:31:40
Local clock offset: -0.045 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-02-01 04:42:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 16.549 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 14.945 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 16.307 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.66%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-31 21:53:21

End at: 2018-01-31 21:53:51

Local clock offset: -0.065 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-02-01 04:42:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 21.967 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 80.12 Mbit/s

95th percentile per-packet one-way delay: 18.479 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 16.89 Mbit/s

95th percentile per-packet one-way delay: 25.216 ms

Loss rate: 0.07%

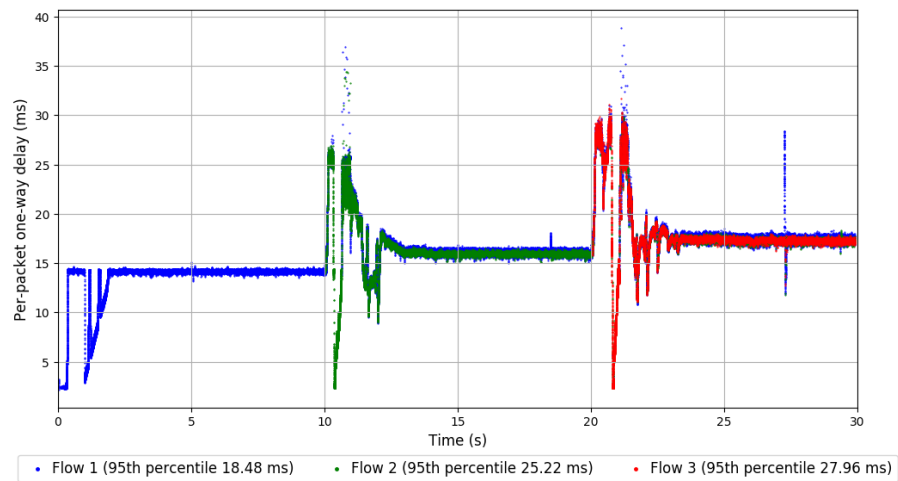
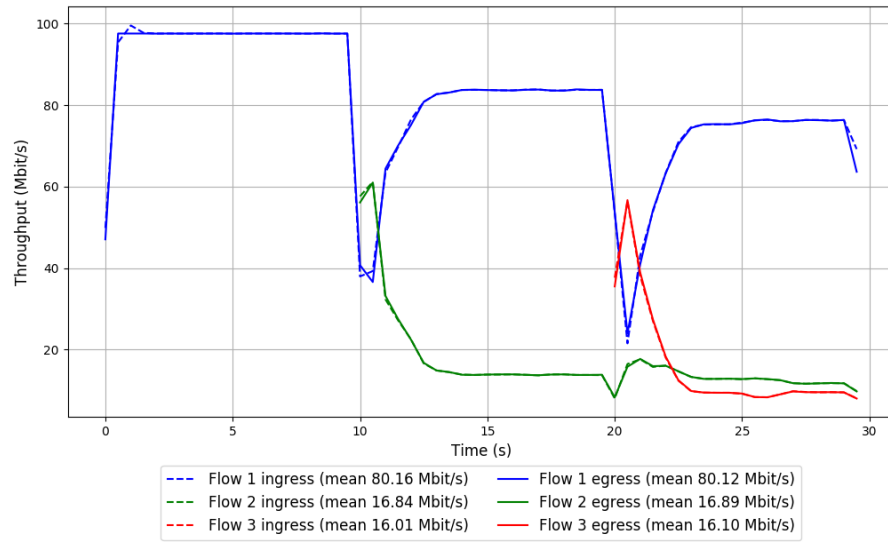
-- Flow 3:

Average throughput: 16.10 Mbit/s

95th percentile per-packet one-way delay: 27.961 ms

Loss rate: 0.12%

Run 2: Report of TCP BBR — Data Link

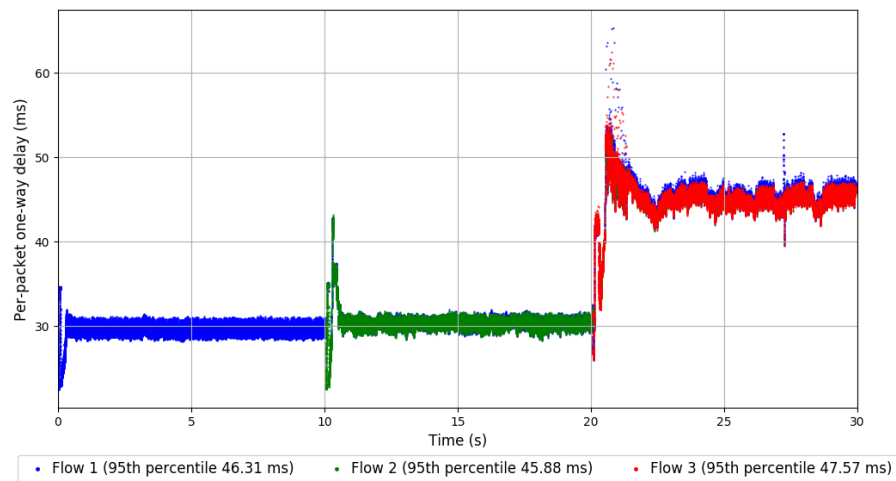
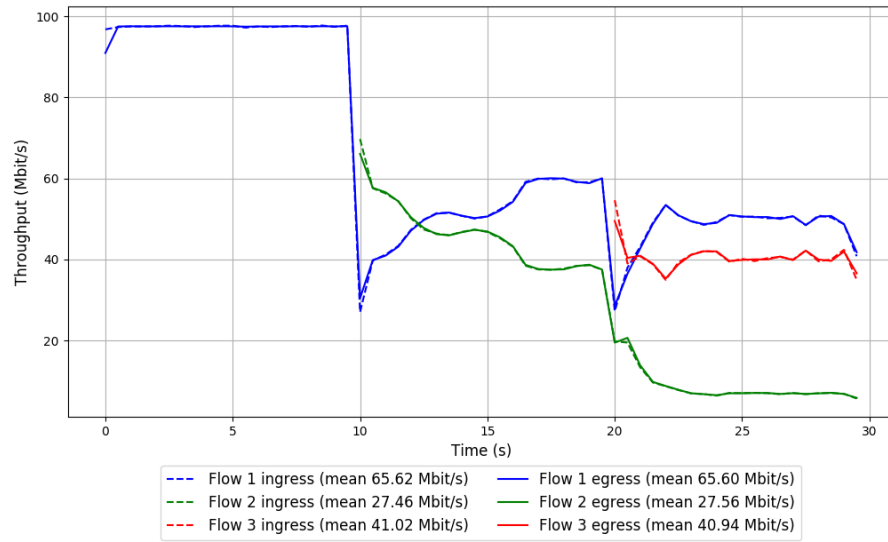


Run 3: Statistics of TCP BBR

Start at: 2018-01-31 22:14:49
End at: 2018-01-31 22:15:19
Local clock offset: -0.026 ms
Remote clock offset: -20.033 ms

Below is generated by plot.py at 2018-02-01 04:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 46.446 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 65.60 Mbit/s
95th percentile per-packet one-way delay: 46.313 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 45.878 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 47.574 ms
Loss rate: 0.31%

Run 3: Report of TCP BBR — Data Link

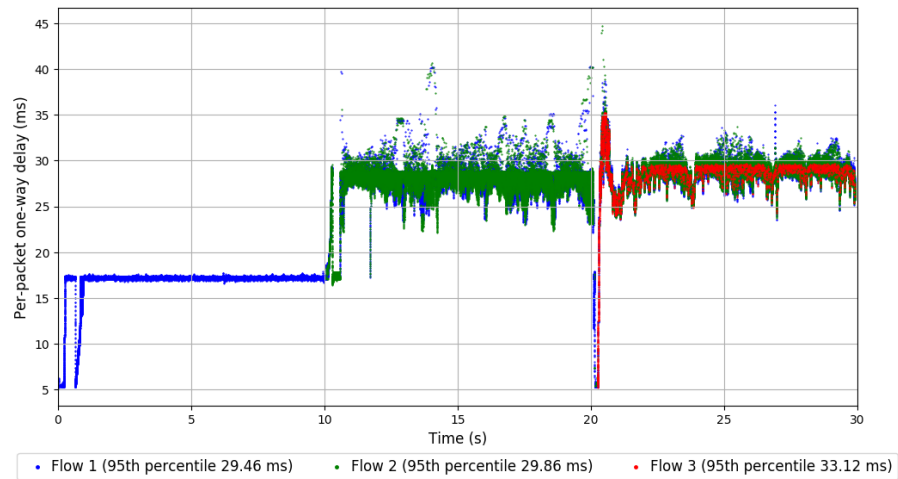
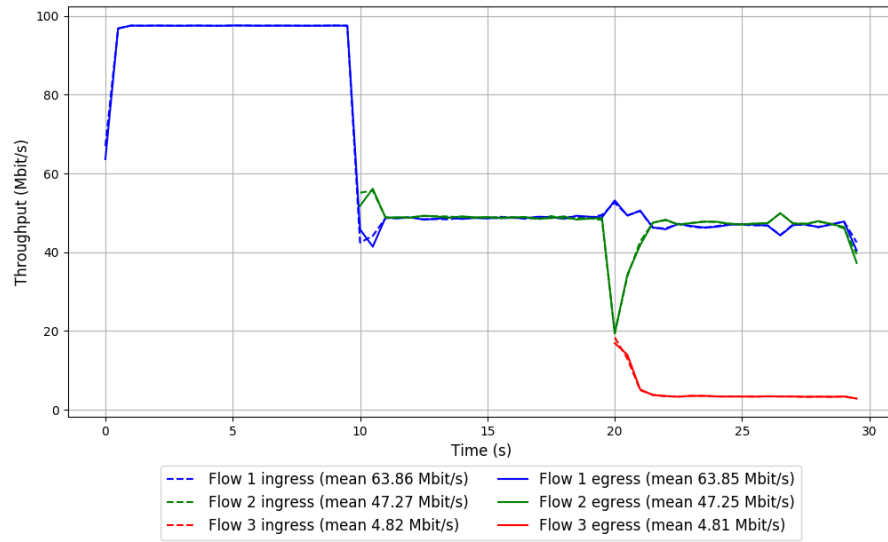


Run 4: Statistics of TCP BBR

Start at: 2018-01-31 22:36:11
End at: 2018-01-31 22:36:41
Local clock offset: -0.002 ms
Remote clock offset: -2.421 ms

Below is generated by plot.py at 2018-02-01 04:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 29.626 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 29.464 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 47.25 Mbit/s
95th percentile per-packet one-way delay: 29.860 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 33.118 ms
Loss rate: 0.21%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-31 22:57:57

End at: 2018-01-31 22:58:27

Local clock offset: -0.014 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2018-02-01 04:42:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 27.754 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 27.612 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 27.678 ms

Loss rate: 0.10%

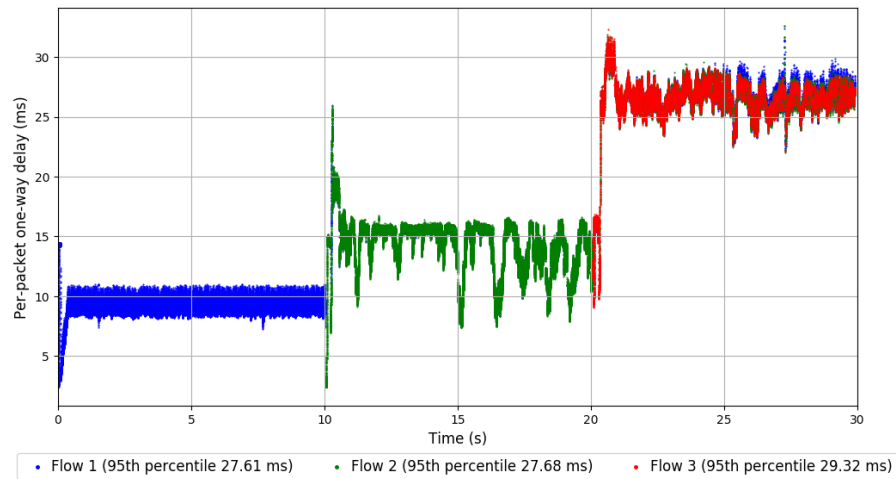
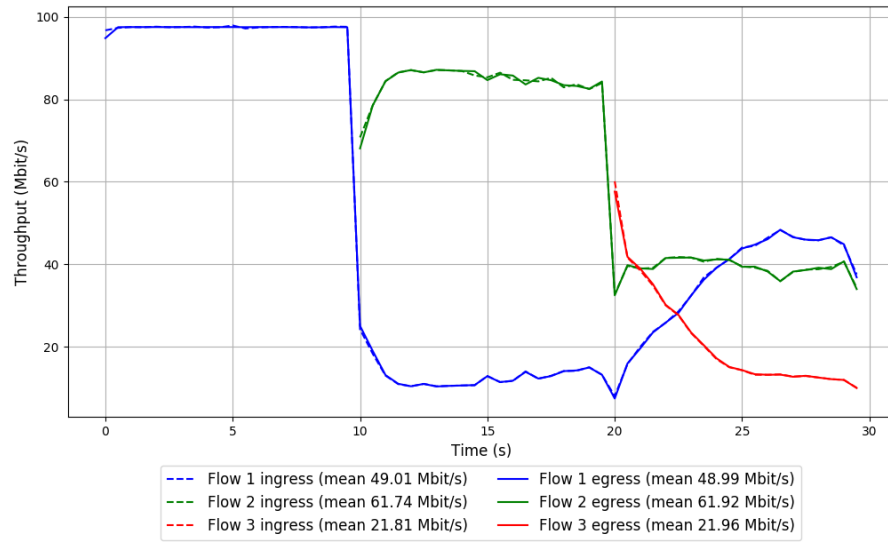
-- Flow 3:

Average throughput: 21.96 Mbit/s

95th percentile per-packet one-way delay: 29.317 ms

Loss rate: 0.17%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-31 23:19:50

End at: 2018-01-31 23:20:20

Local clock offset: -0.028 ms

Remote clock offset: 0.586 ms

Below is generated by plot.py at 2018-02-01 04:42:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 25.801 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 53.85 Mbit/s

95th percentile per-packet one-way delay: 25.774 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.88 Mbit/s

95th percentile per-packet one-way delay: 26.170 ms

Loss rate: 0.22%

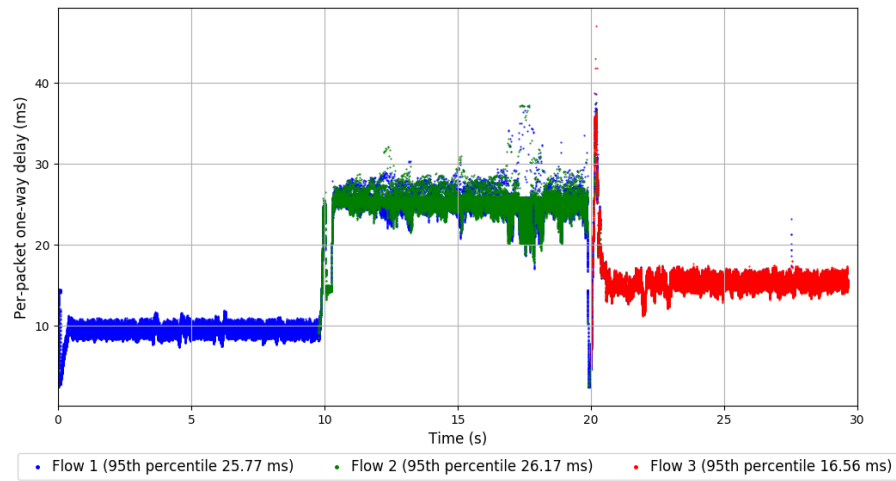
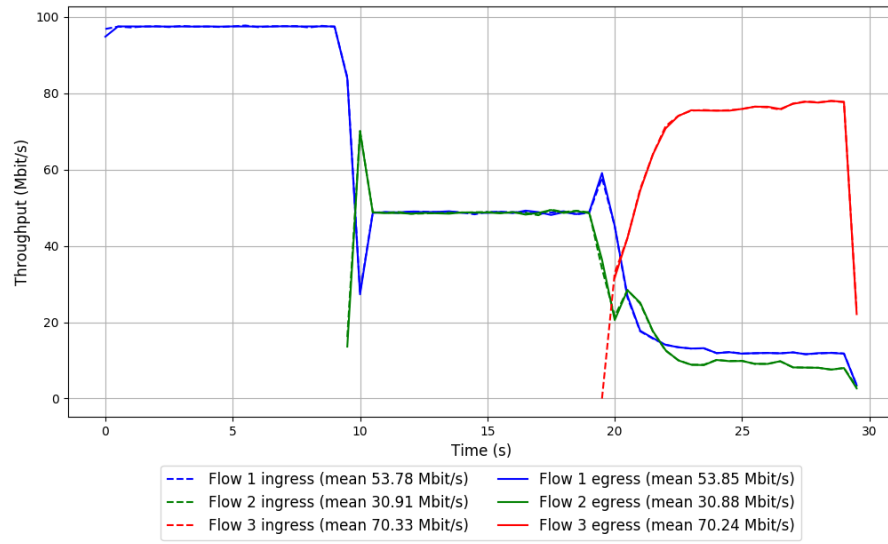
-- Flow 3:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 16.563 ms

Loss rate: 0.22%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-31 23:41:37

End at: 2018-01-31 23:42:07

Local clock offset: -0.064 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2018-02-01 04:42:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 37.038 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 36.803 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 45.47 Mbit/s

95th percentile per-packet one-way delay: 37.092 ms

Loss rate: 0.38%

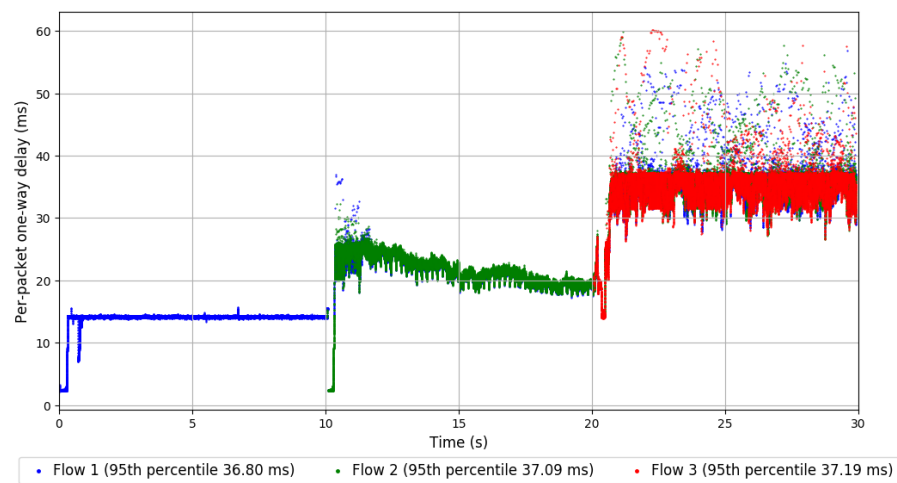
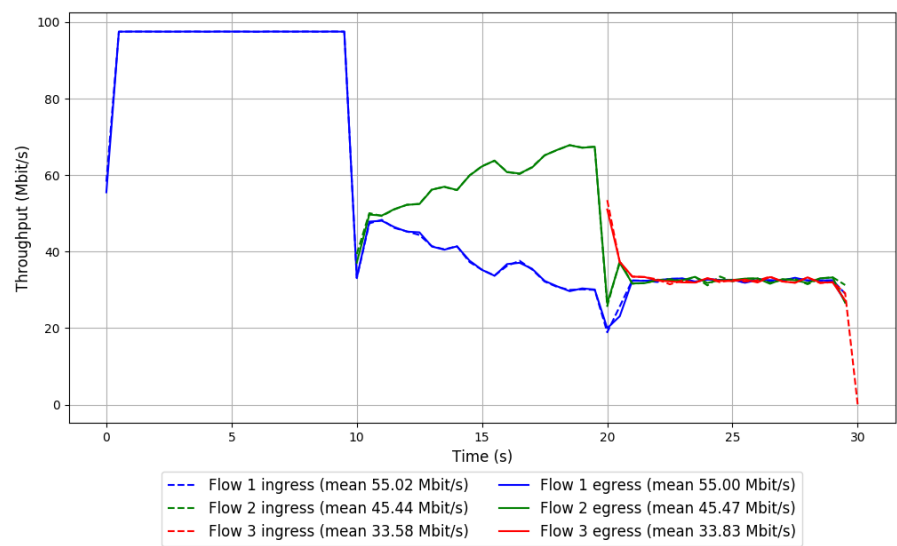
-- Flow 3:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 37.194 ms

Loss rate: 0.62%

Run 7: Report of TCP BBR — Data Link

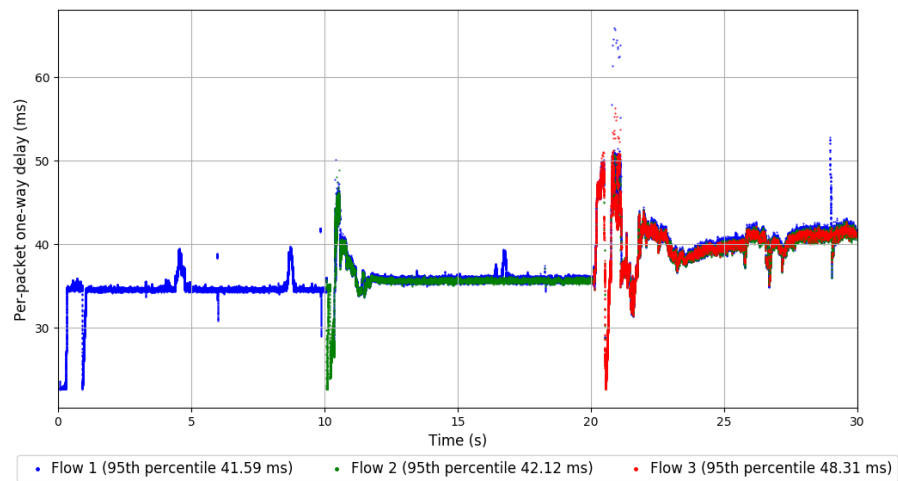
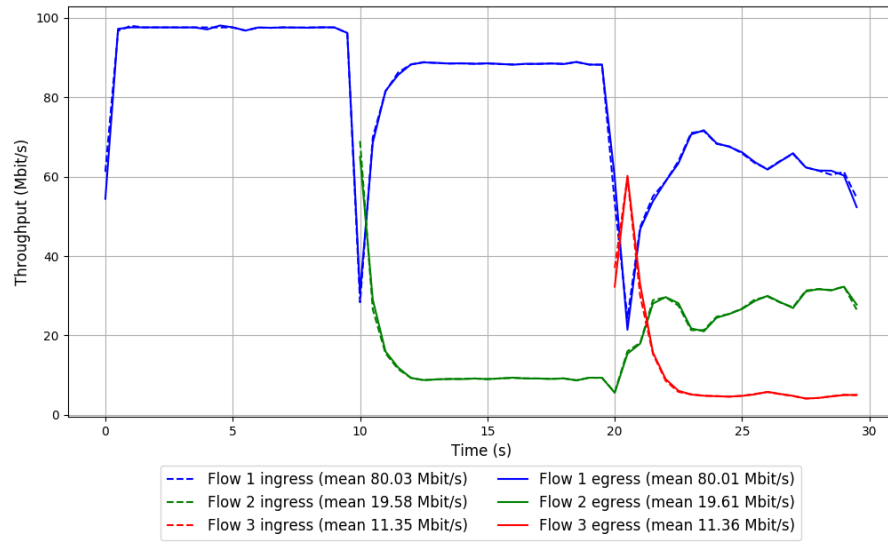


Run 8: Statistics of TCP BBR

Start at: 2018-02-01 00:03:41
End at: 2018-02-01 00:04:11
Local clock offset: 0.073 ms
Remote clock offset: -19.624 ms

Below is generated by plot.py at 2018-02-01 04:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 41.808 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 41.588 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 42.115 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 48.306 ms
Loss rate: 0.16%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-01 00:25:31

End at: 2018-02-01 00:26:01

Local clock offset: 0.277 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2018-02-01 04:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 37.080 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 71.87 Mbit/s

95th percentile per-packet one-way delay: 36.293 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 20.53 Mbit/s

95th percentile per-packet one-way delay: 37.325 ms

Loss rate: 0.37%

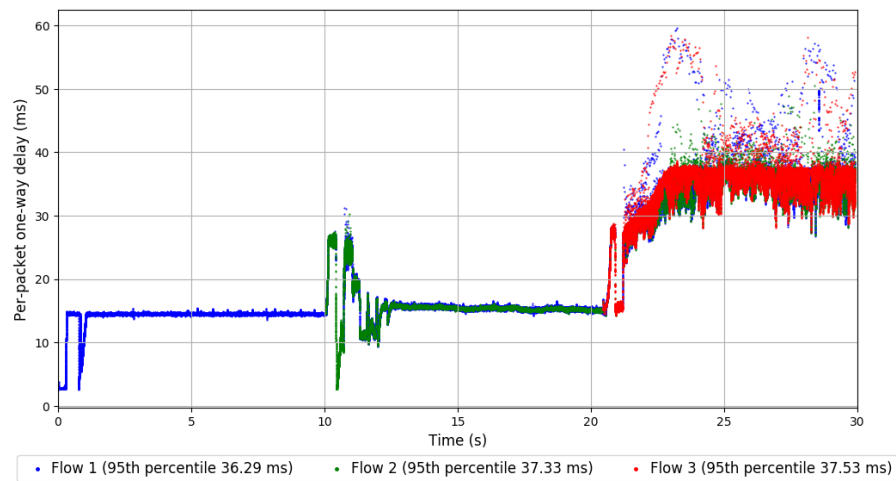
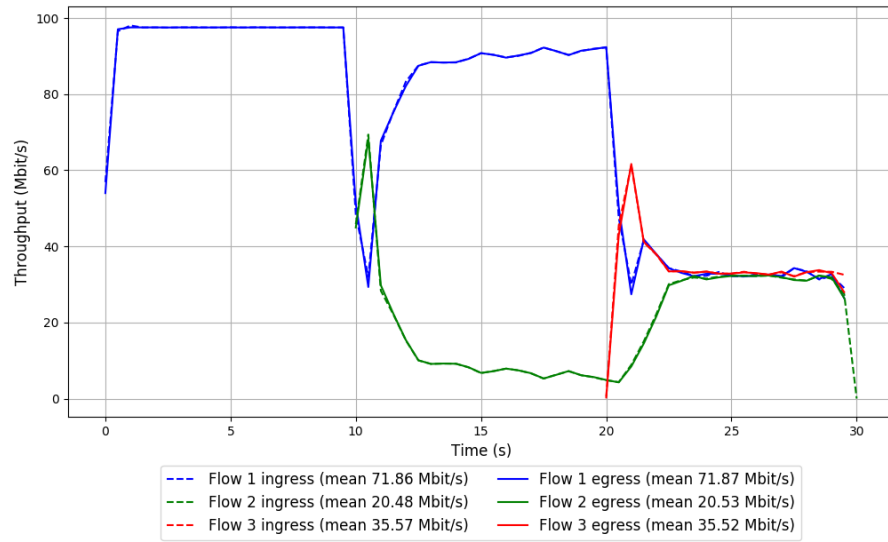
-- Flow 3:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 37.530 ms

Loss rate: 1.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-01 00:47:15

End at: 2018-02-01 00:47:45

Local clock offset: 0.417 ms

Remote clock offset: 1.228 ms

Below is generated by plot.py at 2018-02-01 04:44:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 18.109 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 61.98 Mbit/s

95th percentile per-packet one-way delay: 17.447 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 17.22 Mbit/s

95th percentile per-packet one-way delay: 17.695 ms

Loss rate: 0.04%

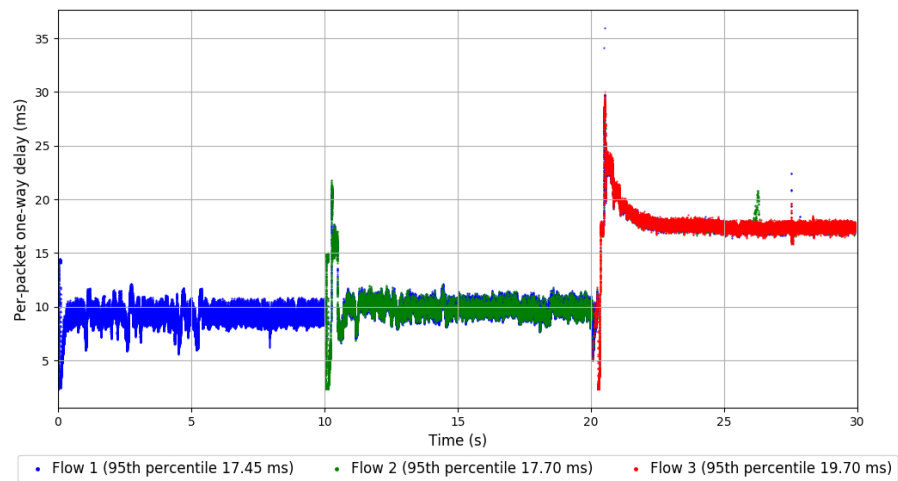
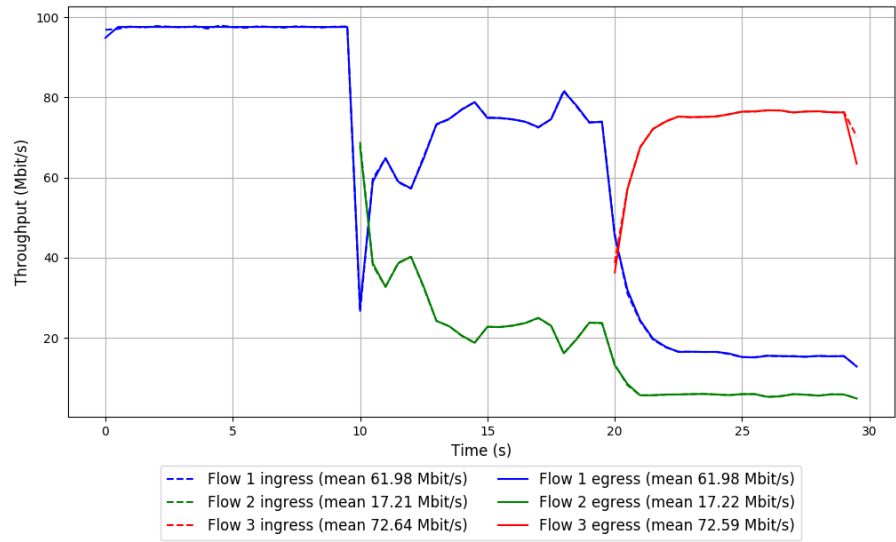
-- Flow 3:

Average throughput: 72.59 Mbit/s

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

Loss rate: 0.66%

Run 10: Report of TCP BBR — Data Link

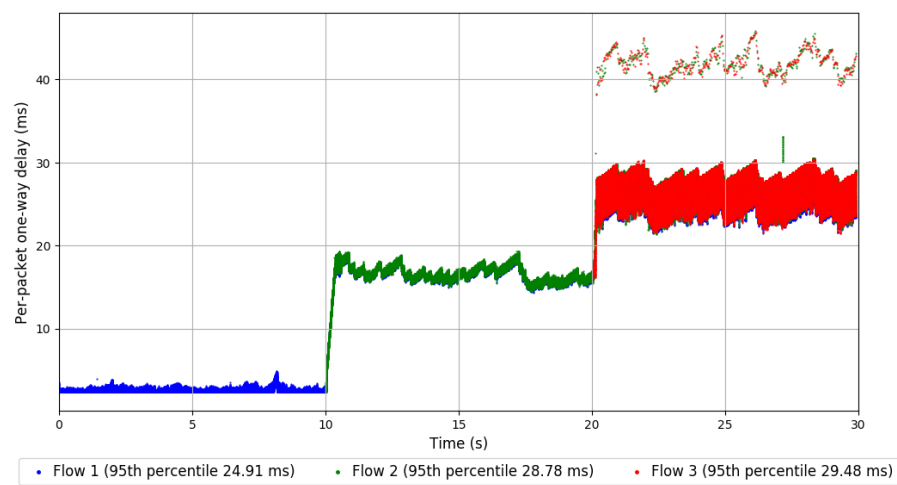
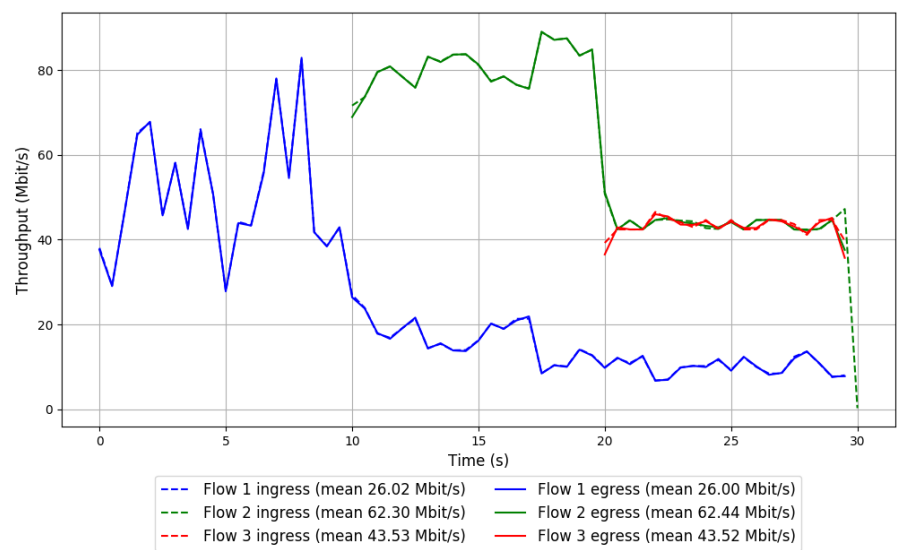


Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 21:28:46
End at: 2018-01-31 21:29:16
Local clock offset: -0.042 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-02-01 04:44:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 28.833 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 24.912 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 28.777 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 43.52 Mbit/s
95th percentile per-packet one-way delay: 29.476 ms
Loss rate: 0.73%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 21:50:57

End at: 2018-01-31 21:51:27

Local clock offset: 0.006 ms

Remote clock offset: -0.044 ms

Run 2: Report of TCP Cubic — Data Link

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Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 22:12:26

End at: 2018-01-31 22:12:56

Local clock offset: -0.095 ms

Remote clock offset: -14.519 ms

Run 3: Report of TCP Cubic — Data Link

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Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 22:33:47

End at: 2018-01-31 22:34:17

Local clock offset: -0.017 ms

Remote clock offset: -1.53 ms

Run 4: Report of TCP Cubic — Data Link

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Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 22:55:34

End at: 2018-01-31 22:56:04

Local clock offset: -0.052 ms

Remote clock offset: -19.125 ms

Run 5: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 23:17:22

End at: 2018-01-31 23:17:52

Local clock offset: -0.031 ms

Remote clock offset: -19.883 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 23:39:13

End at: 2018-01-31 23:39:43

Local clock offset: -0.058 ms

Remote clock offset: -11.833 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-02-01 00:01:12

End at: 2018-02-01 00:01:42

Local clock offset: 0.042 ms

Remote clock offset: 0.684 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

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Run 9: Statistics of TCP Cubic

Start at: 2018-02-01 00:23:02

End at: 2018-02-01 00:23:32

Local clock offset: 0.157 ms

Remote clock offset: -19.388 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-02-01 00:44:50

End at: 2018-02-01 00:45:20

Local clock offset: 0.38 ms

Remote clock offset: -8.189 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-01-31 21:47:21

End at: 2018-01-31 21:47:51

Local clock offset: -0.078 ms

Remote clock offset: -0.067 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2018-01-31 22:08:47

End at: 2018-01-31 22:09:17

Local clock offset: -0.038 ms

Remote clock offset: 0.198 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2018-01-31 22:30:13

End at: 2018-01-31 22:30:43

Local clock offset: 0.001 ms

Remote clock offset: 0.447 ms

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-01-31 22:51:57

End at: 2018-01-31 22:52:27

Local clock offset: 0.0 ms

Remote clock offset: -18.979 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-01-31 23:13:39

End at: 2018-01-31 23:14:09

Local clock offset: -0.019 ms

Remote clock offset: 0.633 ms

Below is generated by plot.py at 2018-02-01 04:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 35.642 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 69.00 Mbit/s

95th percentile per-packet one-way delay: 34.711 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 35.491 ms

Loss rate: 0.74%

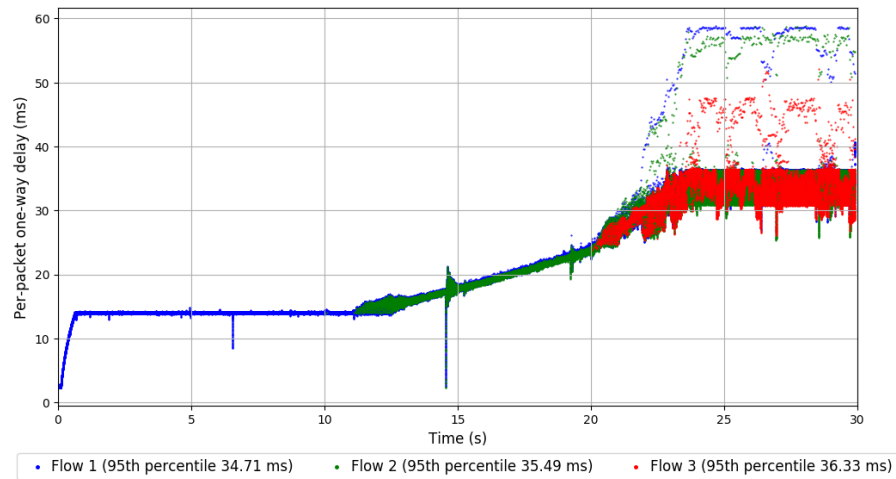
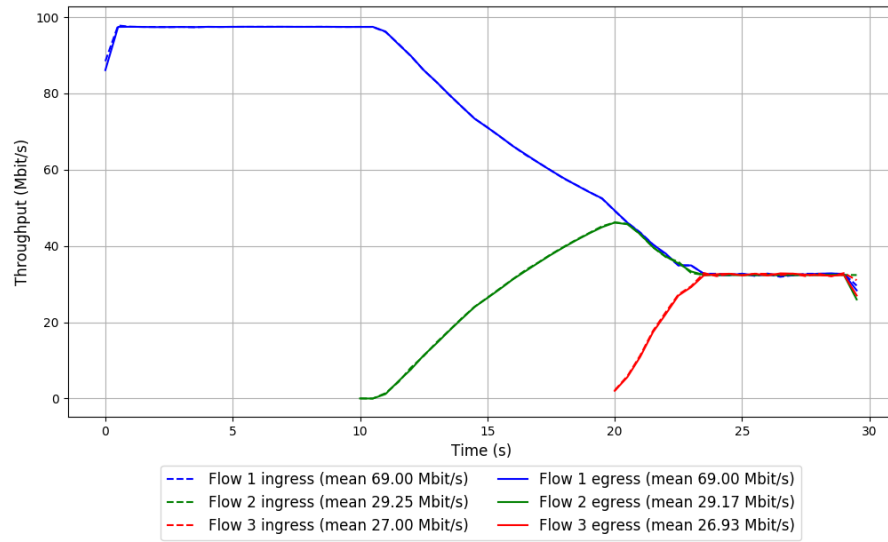
-- Flow 3:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 36.329 ms

Loss rate: 1.21%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-31 23:35:28

End at: 2018-01-31 23:35:58

Local clock offset: -0.036 ms

Remote clock offset: -9.877 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-01-31 23:57:15

End at: 2018-01-31 23:57:45

Local clock offset: 0.035 ms

Remote clock offset: -2.283 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-02-01 00:19:16

End at: 2018-02-01 00:19:46

Local clock offset: 0.148 ms

Remote clock offset: -11.672 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-01 00:41:12

End at: 2018-02-01 00:41:42

Local clock offset: 0.375 ms

Remote clock offset: -9.596 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-02-01 01:03:16

End at: 2018-02-01 01:03:46

Local clock offset: 0.491 ms

Remote clock offset: 0.627 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

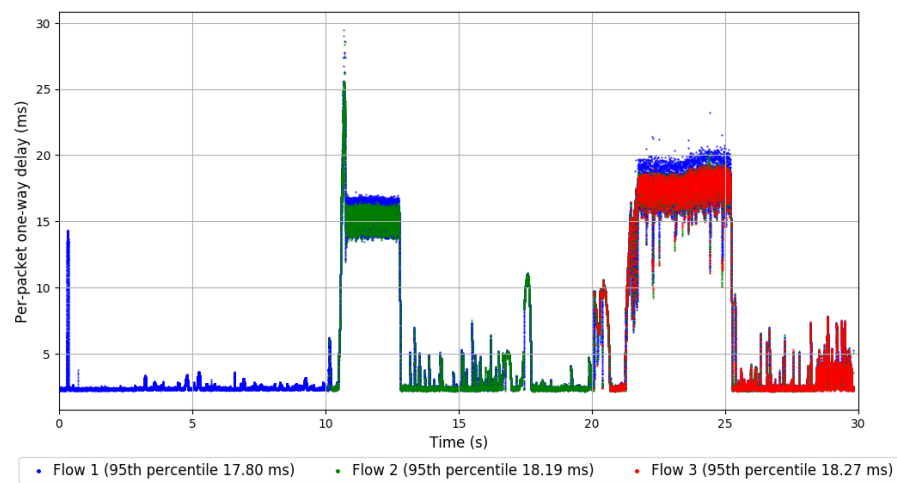
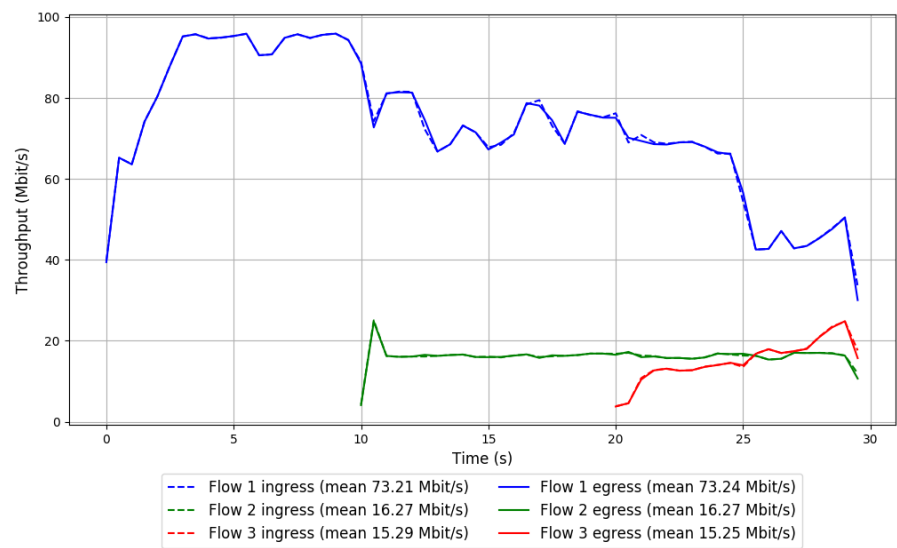
Figure is missing

Run 1: Statistics of PCC

Start at: 2018-01-31 21:35:57
End at: 2018-01-31 21:36:27
Local clock offset: -0.046 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-02-01 04:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 17.934 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 17.800 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 18.190 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 18.273 ms
Loss rate: 0.72%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-31 21:58:08

End at: 2018-01-31 21:58:38

Local clock offset: -0.02 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-02-01 04:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.50 Mbit/s

95th percentile per-packet one-way delay: 6.642 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 6.548 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 7.174 ms

Loss rate: 0.36%

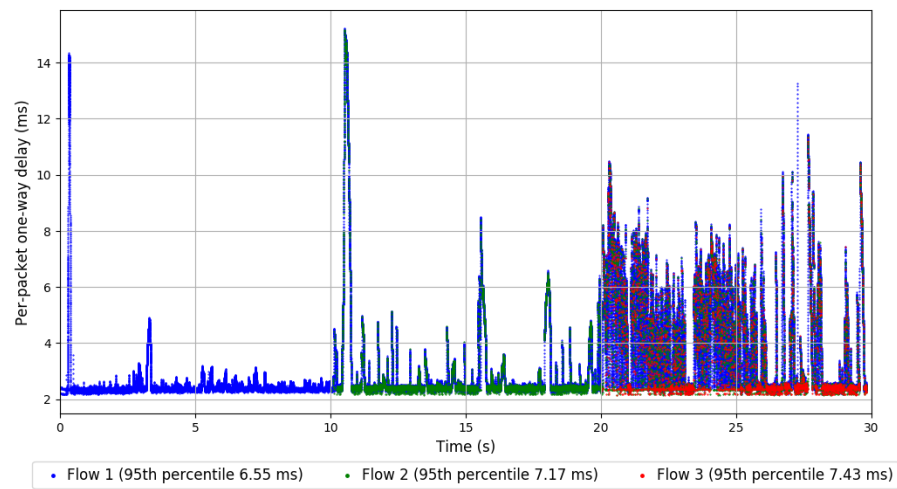
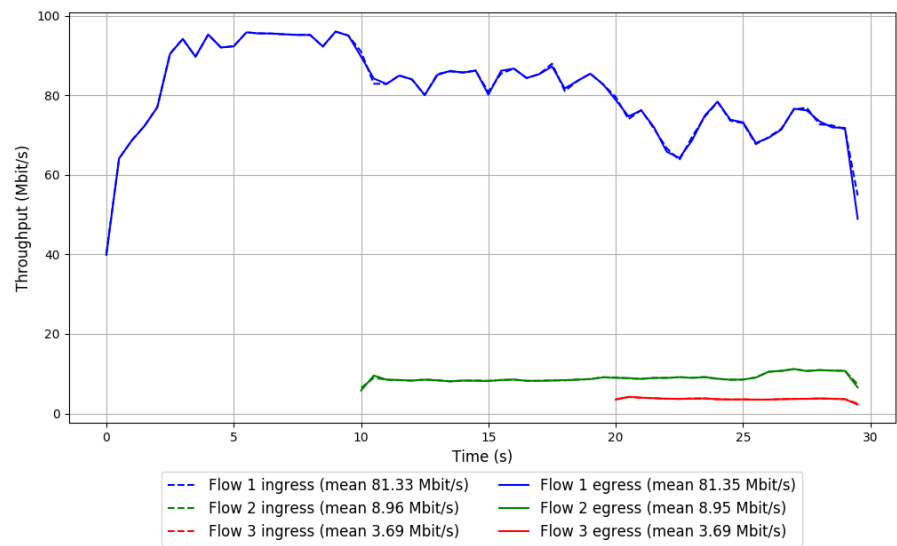
-- Flow 3:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 7.429 ms

Loss rate: 0.40%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-31 22:19:35

End at: 2018-01-31 22:20:05

Local clock offset: -0.071 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-02-01 04:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.11 Mbit/s

95th percentile per-packet one-way delay: 24.847 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 24.052 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 24.421 ms

Loss rate: 0.25%

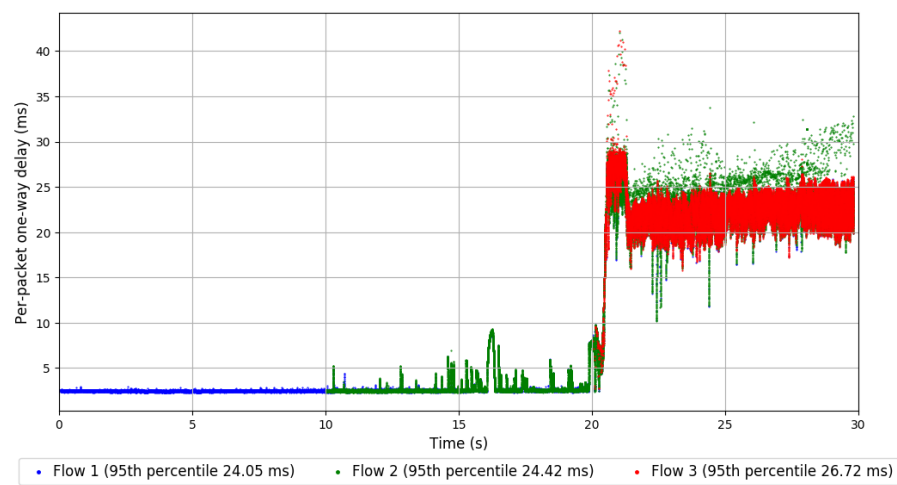
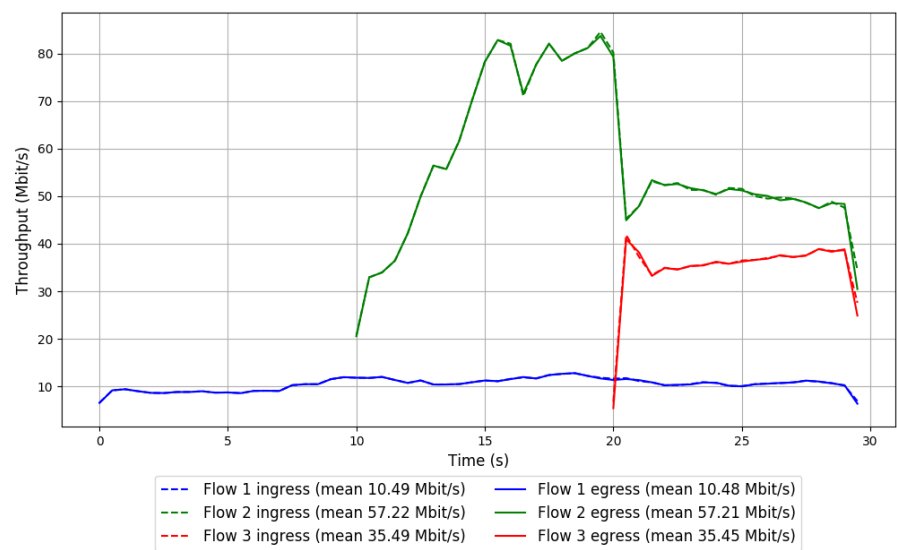
-- Flow 3:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 26.724 ms

Loss rate: 0.63%

Run 3: Report of PCC — Data Link

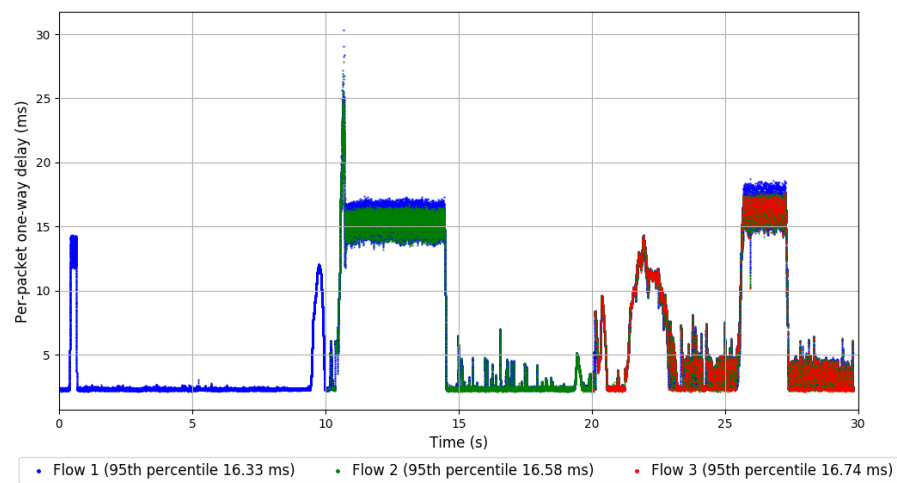
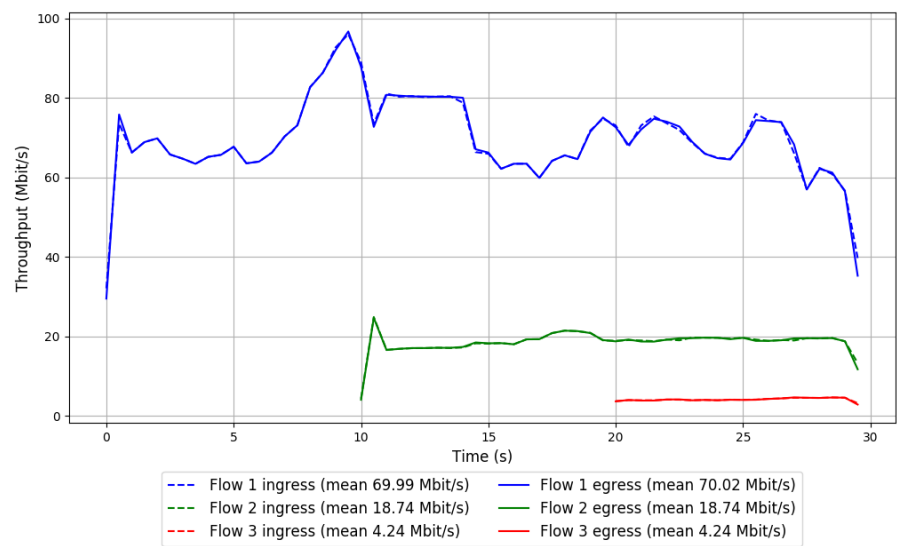


Run 4: Statistics of PCC

Start at: 2018-01-31 22:40:54
End at: 2018-01-31 22:41:24
Local clock offset: -0.024 ms
Remote clock offset: 0.586 ms

Below is generated by plot.py at 2018-02-01 04:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 16.373 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 16.329 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 16.582 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 16.744 ms
Loss rate: 0.43%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-31 23:02:48

End at: 2018-01-31 23:03:18

Local clock offset: -0.071 ms

Remote clock offset: 0.657 ms

Below is generated by plot.py at 2018-02-01 04:45:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.54 Mbit/s

95th percentile per-packet one-way delay: 5.639 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 70.10 Mbit/s

95th percentile per-packet one-way delay: 5.537 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 20.58 Mbit/s

95th percentile per-packet one-way delay: 6.090 ms

Loss rate: 0.43%

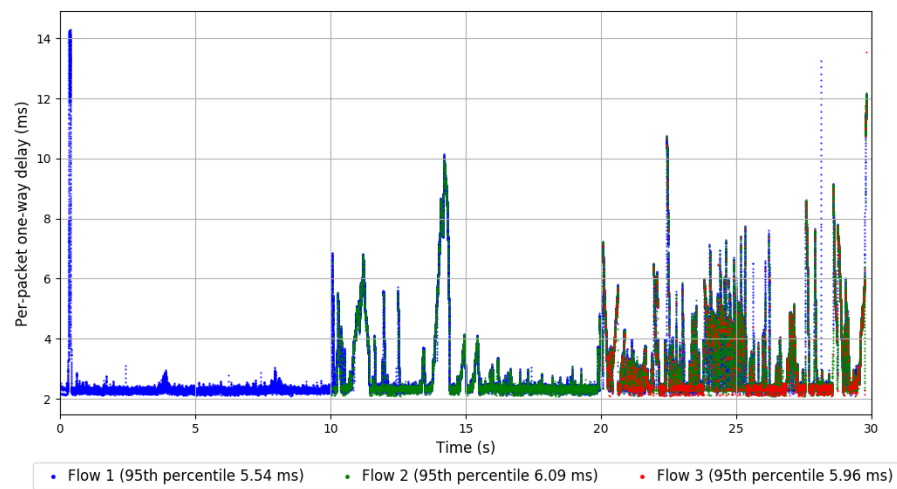
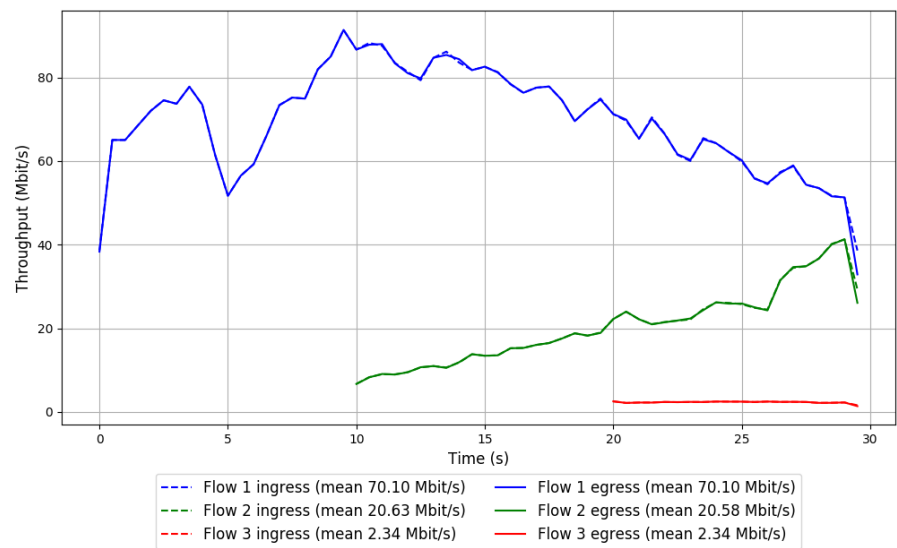
-- Flow 3:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 5.960 ms

Loss rate: 0.47%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-31 23:24:44

End at: 2018-01-31 23:25:15

Local clock offset: -0.041 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2018-02-01 04:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 6.837 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 70.21 Mbit/s

95th percentile per-packet one-way delay: 6.503 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 20.60 Mbit/s

95th percentile per-packet one-way delay: 7.945 ms

Loss rate: 0.20%

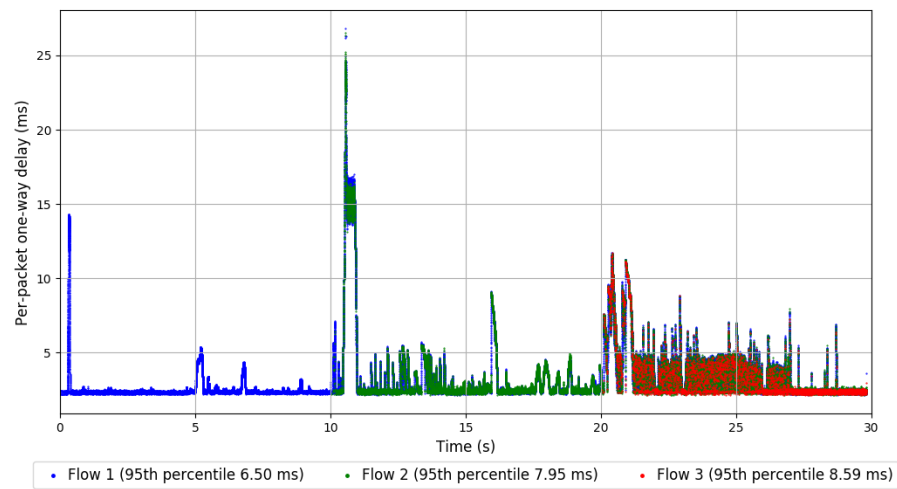
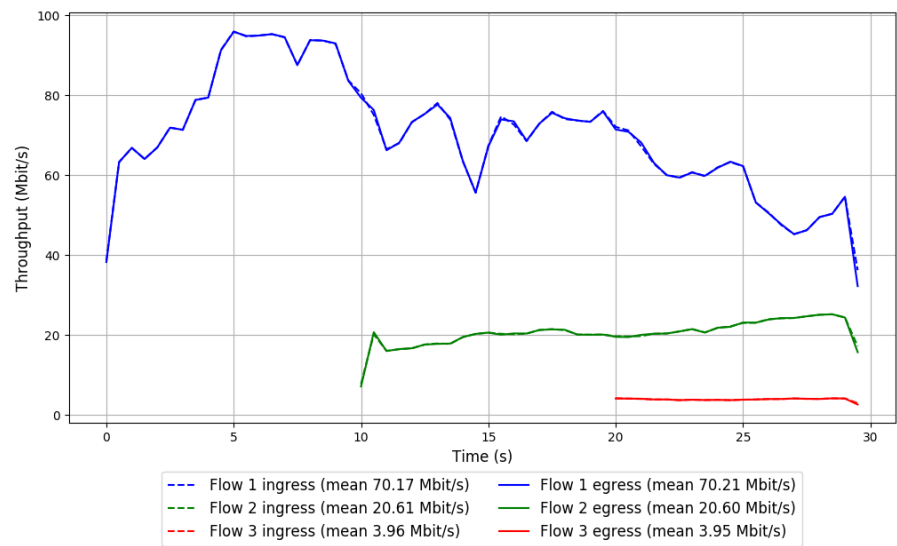
-- Flow 3:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 8.585 ms

Loss rate: 0.47%

Run 6: Report of PCC — Data Link

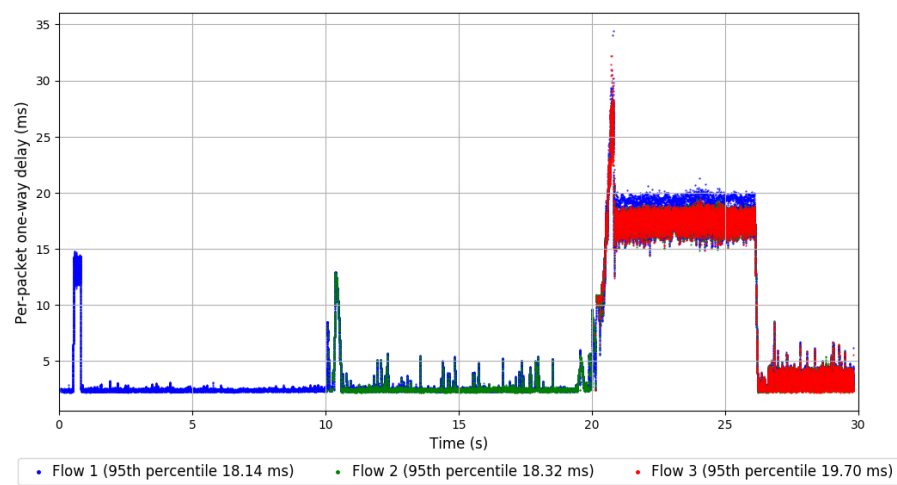
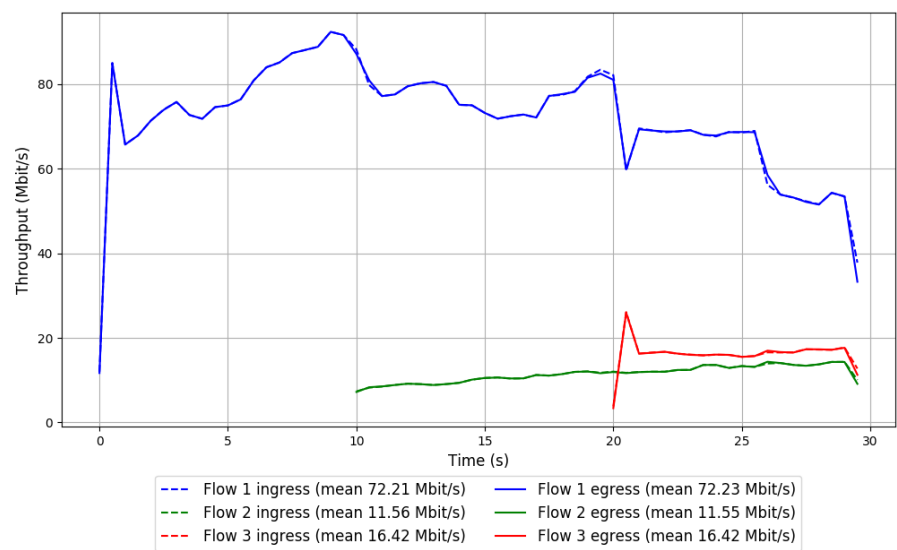


Run 7: Statistics of PCC

Start at: 2018-01-31 23:46:24
End at: 2018-01-31 23:46:54
Local clock offset: -0.043 ms
Remote clock offset: 0.549 ms

Below is generated by plot.py at 2018-02-01 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 18.238 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 72.23 Mbit/s
95th percentile per-packet one-way delay: 18.141 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 18.320 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 19.695 ms
Loss rate: 0.50%

Run 7: Report of PCC — Data Link

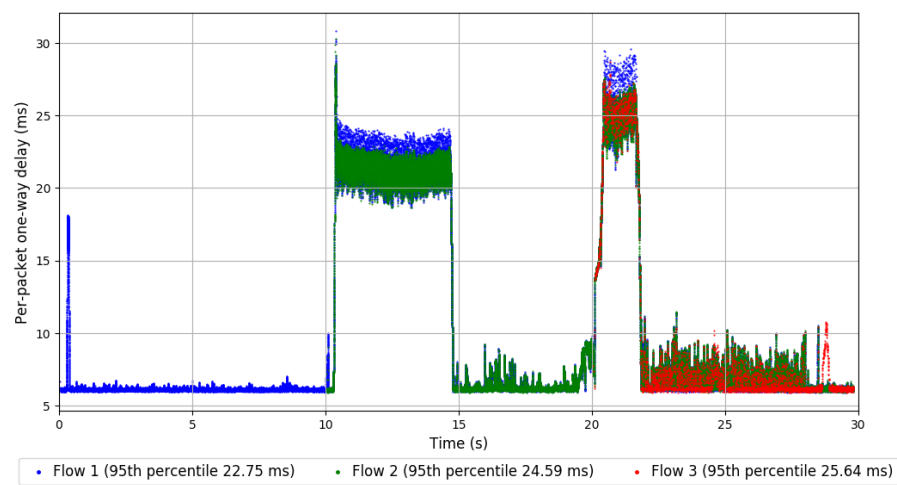
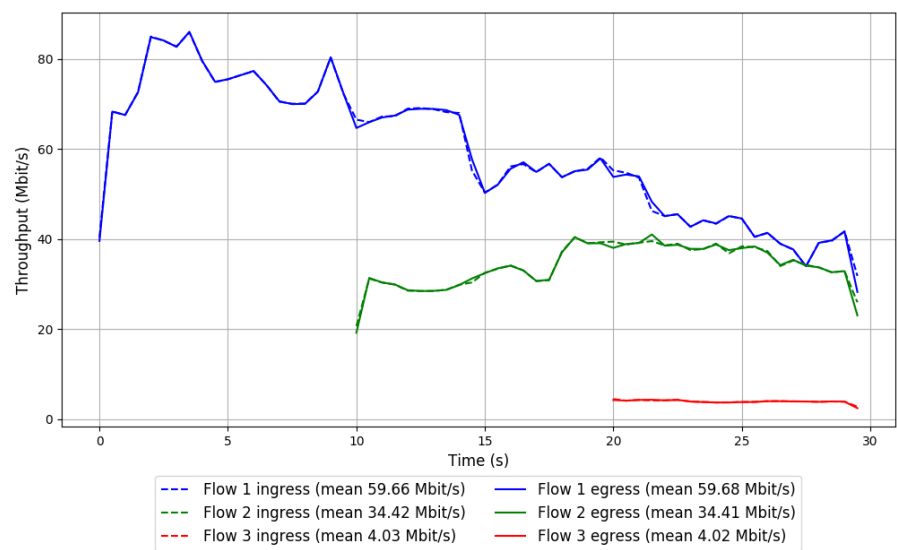


Run 8: Statistics of PCC

Start at: 2018-02-01 00:08:29
End at: 2018-02-01 00:08:59
Local clock offset: 0.092 ms
Remote clock offset: -2.969 ms

Below is generated by plot.py at 2018-02-01 04:45:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 23.580 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 22.749 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 24.590 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 25.637 ms
Loss rate: 0.67%

Run 8: Report of PCC — Data Link

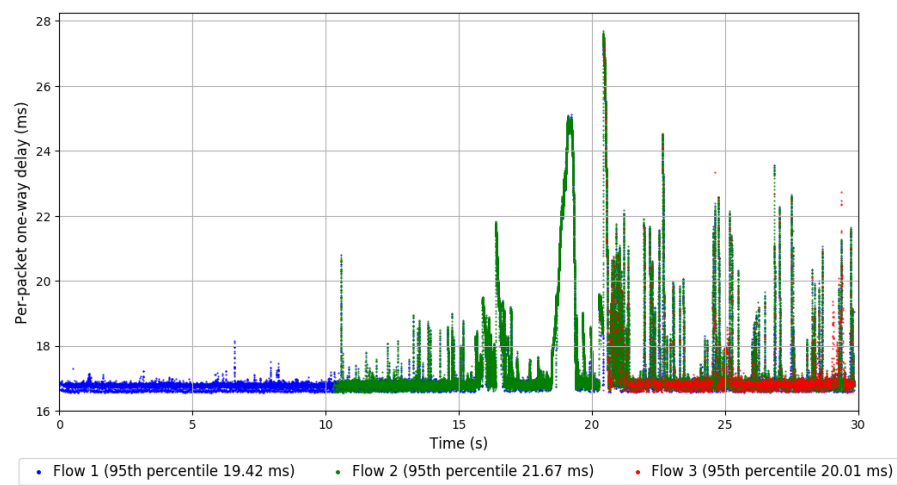
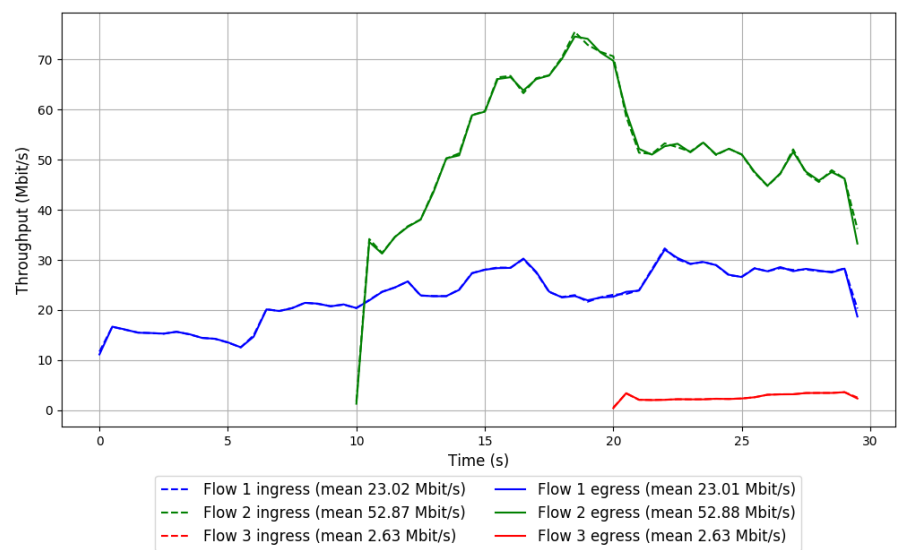


Run 9: Statistics of PCC

Start at: 2018-02-01 00:30:25
End at: 2018-02-01 00:30:55
Local clock offset: 0.306 ms
Remote clock offset: -13.294 ms

Below is generated by plot.py at 2018-02-01 04:45:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 20.866 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 19.422 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 21.671 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 20.009 ms
Loss rate: 0.62%

Run 9: Report of PCC — Data Link

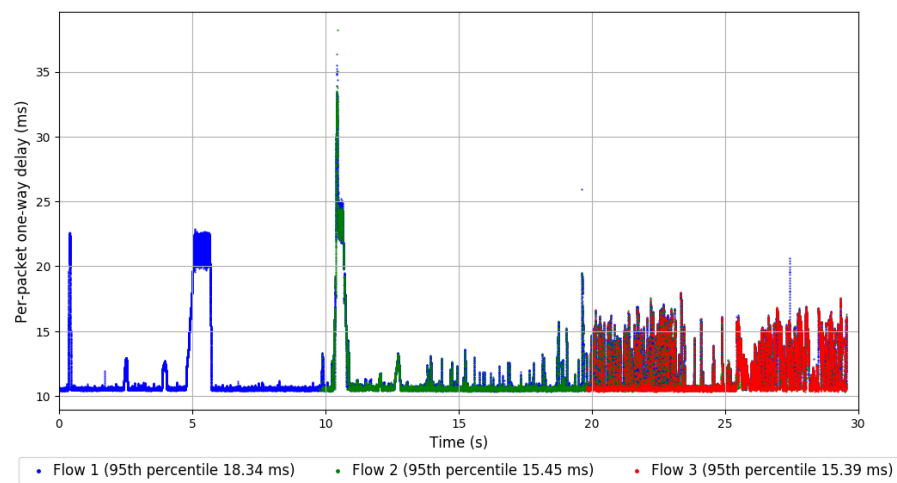
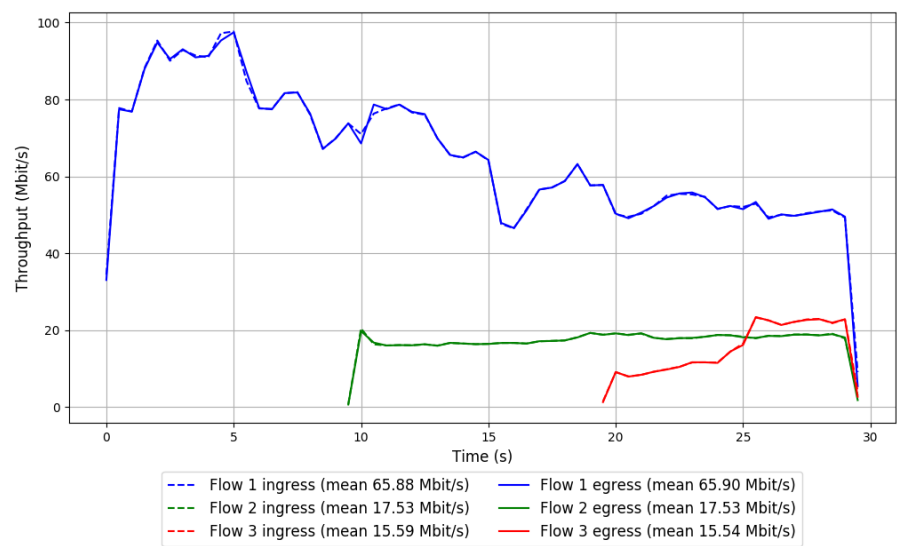


Run 10: Statistics of PCC

Start at: 2018-02-01 00:52:07
End at: 2018-02-01 00:52:37
Local clock offset: 0.447 ms
Remote clock offset: -6.959 ms

Below is generated by plot.py at 2018-02-01 04:45:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.79 Mbit/s
95th percentile per-packet one-way delay: 16.541 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 18.337 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 15.447 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 15.392 ms
Loss rate: 0.66%

Run 10: Report of PCC — Data Link

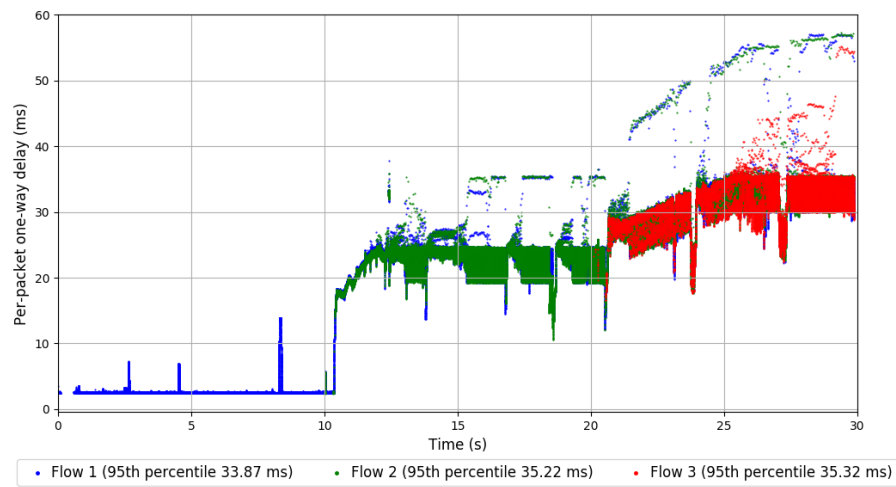
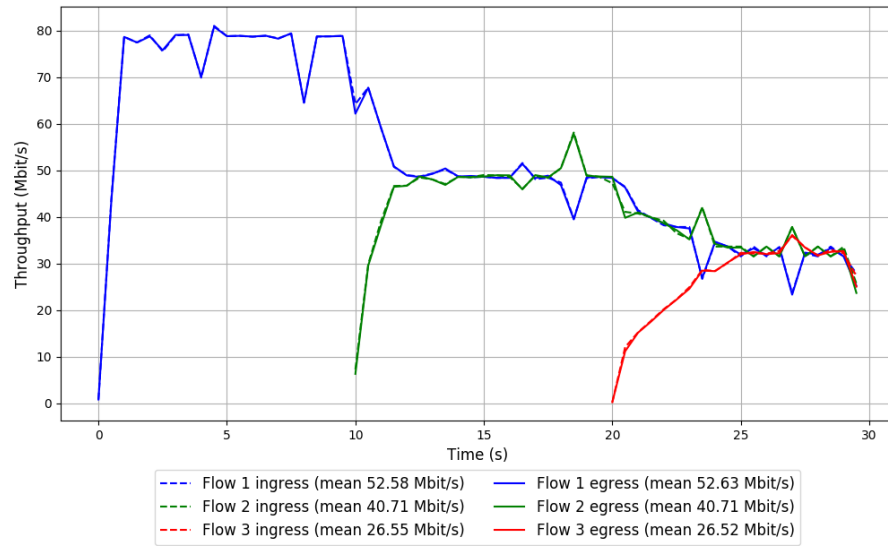


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 21:48:32
End at: 2018-01-31 21:49:02
Local clock offset: 0.005 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-02-01 04:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 34.982 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 35.223 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 35.316 ms
Loss rate: 0.85%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 22:10:00

End at: 2018-01-31 22:10:30

Local clock offset: -0.032 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-02-01 04:45:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 35.237 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.10 Mbit/s

95th percentile per-packet one-way delay: 35.182 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 35.242 ms

Loss rate: 0.29%

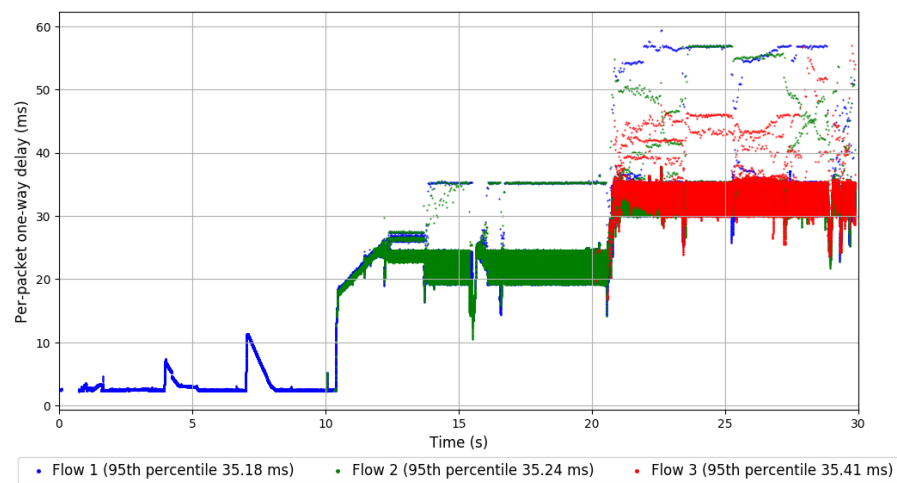
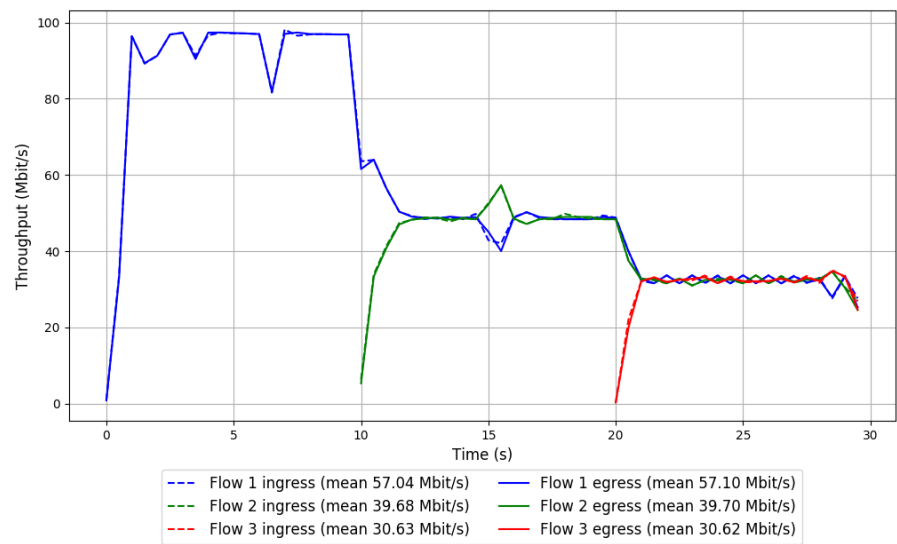
-- Flow 3:

Average throughput: 30.62 Mbit/s

95th percentile per-packet one-way delay: 35.409 ms

Loss rate: 0.72%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 22:31:23

End at: 2018-01-31 22:31:53

Local clock offset: -0.018 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2018-02-01 04:45:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.07 Mbit/s

95th percentile per-packet one-way delay: 24.537 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 2.377 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 24.505 ms

Loss rate: 0.10%

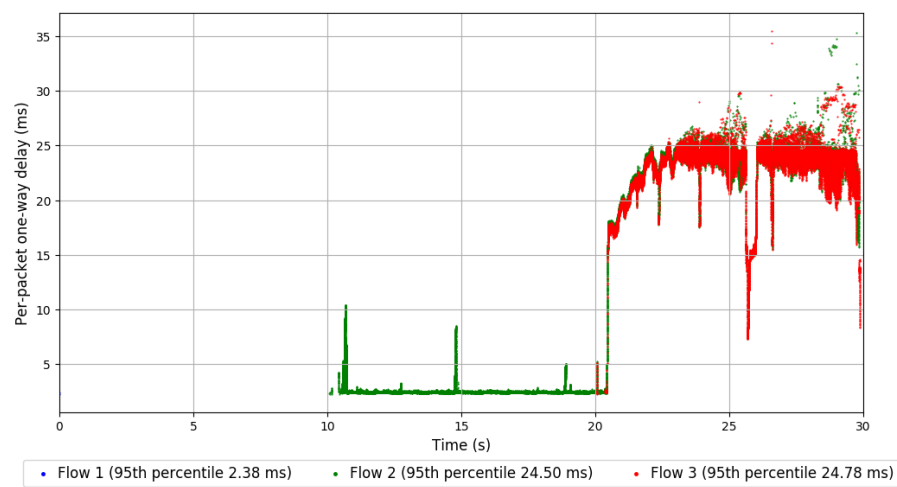
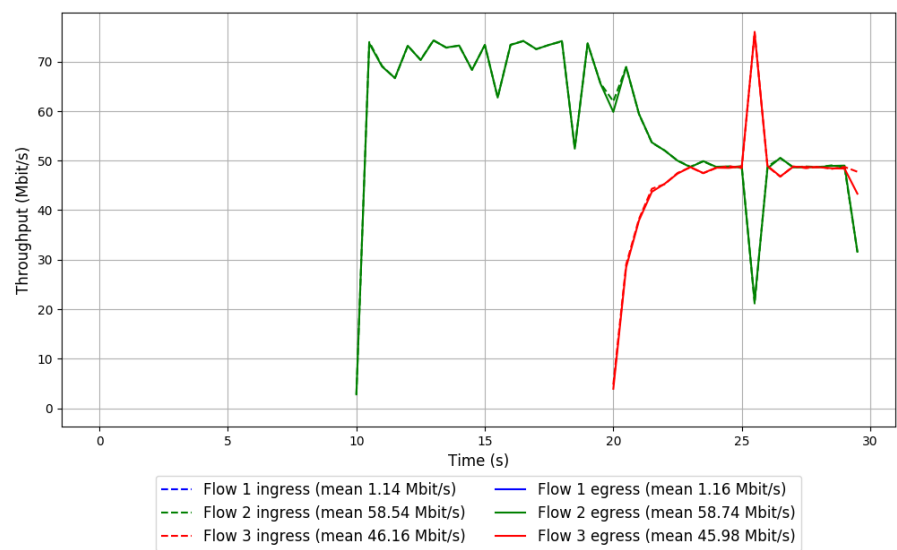
-- Flow 3:

Average throughput: 45.98 Mbit/s

95th percentile per-packet one-way delay: 24.779 ms

Loss rate: 0.76%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 22:53:07

End at: 2018-01-31 22:53:37

Local clock offset: -0.015 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2018-02-01 04:46:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 24.471 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.06 Mbit/s

95th percentile per-packet one-way delay: 24.439 ms

Loss rate: 0.30%

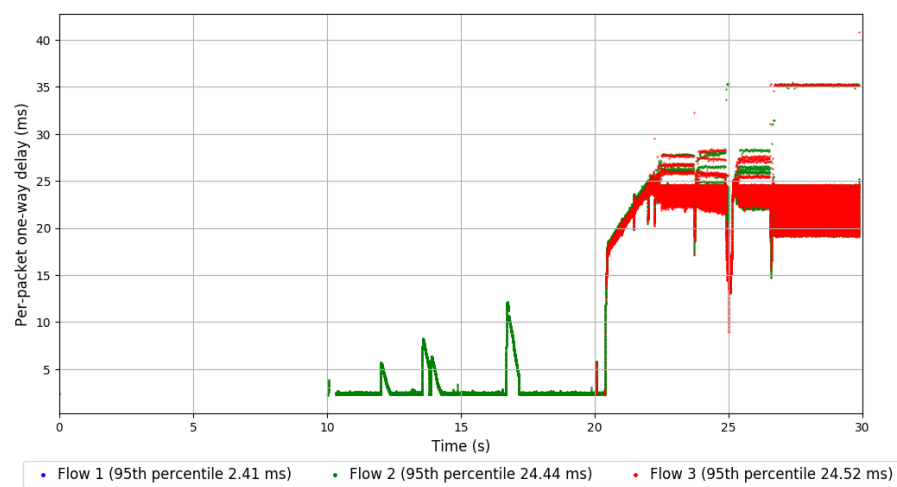
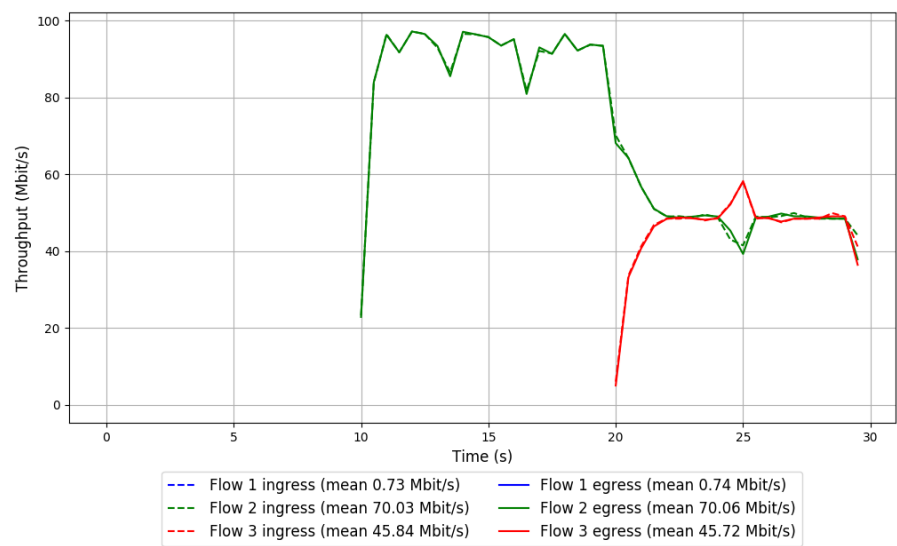
-- Flow 3:

Average throughput: 45.72 Mbit/s

95th percentile per-packet one-way delay: 24.515 ms

Loss rate: 0.82%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 23:14:56

End at: 2018-01-31 23:15:26

Local clock offset: -0.064 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2018-02-01 04:46:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.94 Mbit/s

95th percentile per-packet one-way delay: 22.251 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 2.805 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.33 Mbit/s

95th percentile per-packet one-way delay: 21.943 ms

Loss rate: 0.23%

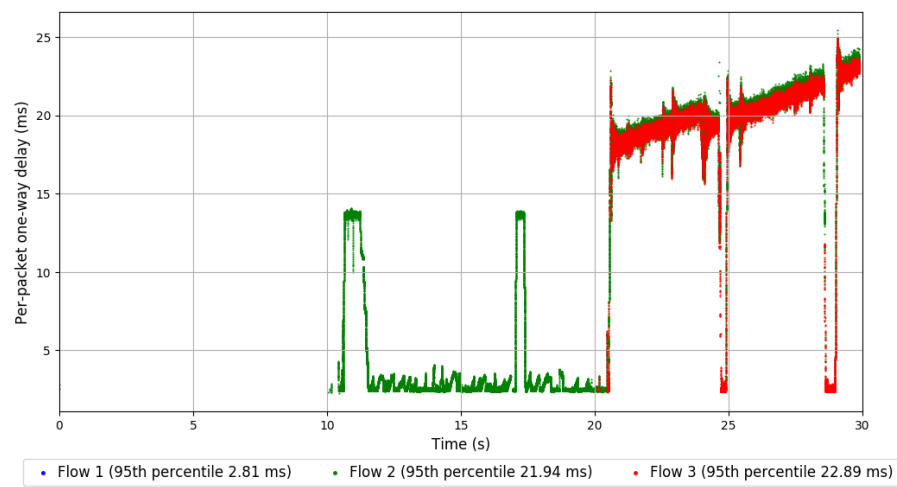
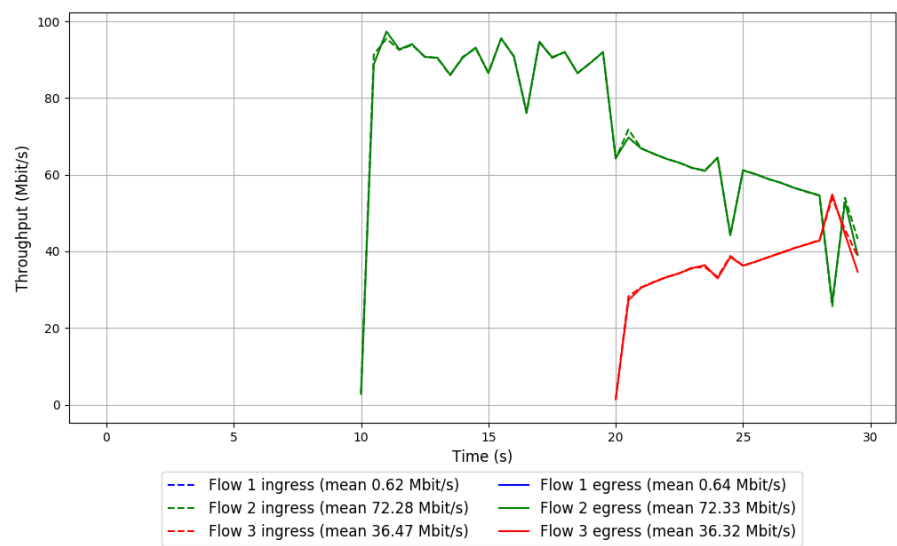
-- Flow 3:

Average throughput: 36.32 Mbit/s

95th percentile per-packet one-way delay: 22.889 ms

Loss rate: 0.85%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 23:36:40

End at: 2018-01-31 23:37:10

Local clock offset: -0.034 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-02-01 04:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 35.150 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 60.20 Mbit/s

95th percentile per-packet one-way delay: 34.851 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 34.861 ms

Loss rate: 0.47%

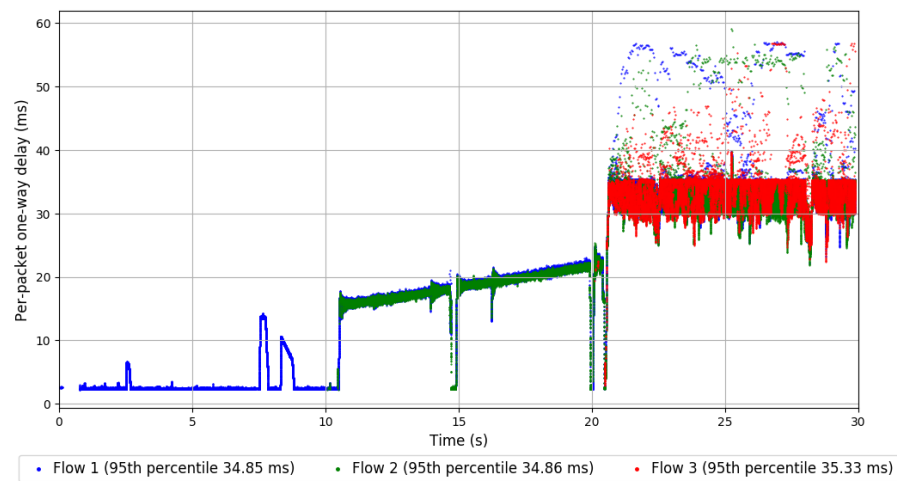
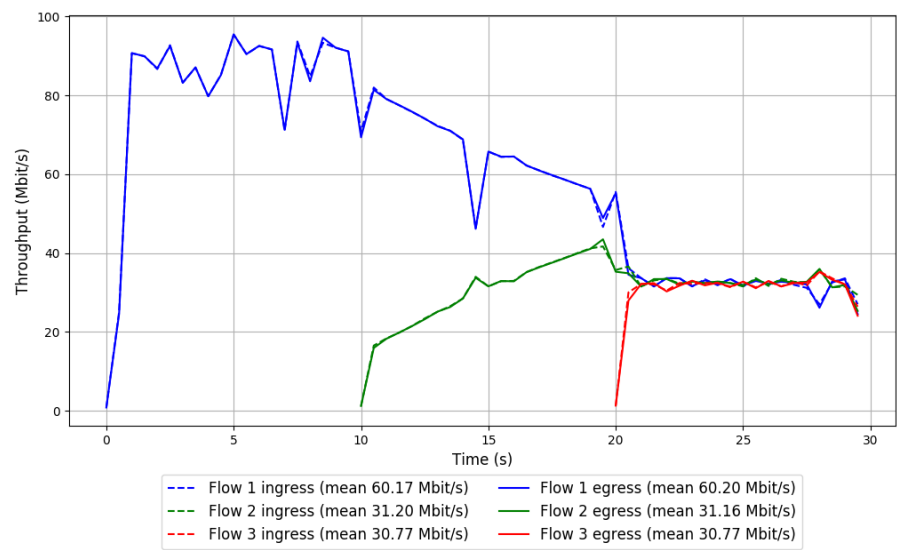
-- Flow 3:

Average throughput: 30.77 Mbit/s

95th percentile per-packet one-way delay: 35.328 ms

Loss rate: 0.73%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 23:58:36

End at: 2018-01-31 23:59:06

Local clock offset: 0.02 ms

Remote clock offset: 0.687 ms

Below is generated by plot.py at 2018-02-01 04:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.08 Mbit/s

95th percentile per-packet one-way delay: 35.001 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 34.480 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 35.045 ms

Loss rate: 0.38%

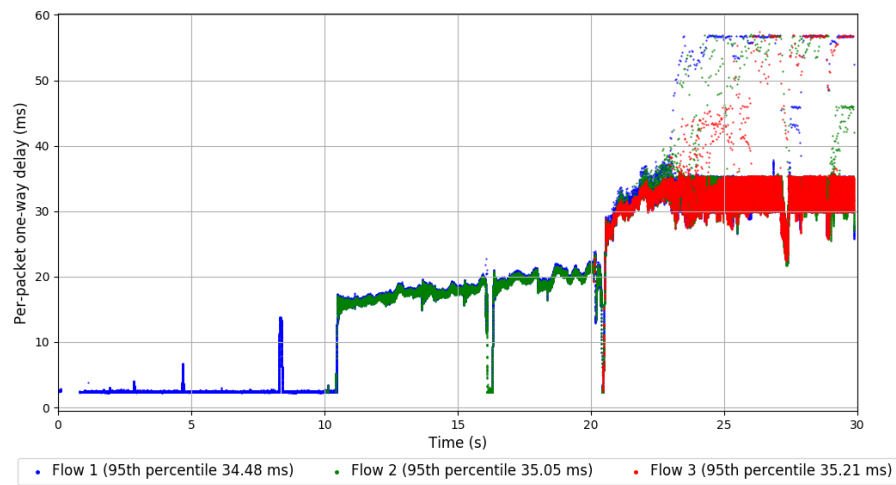
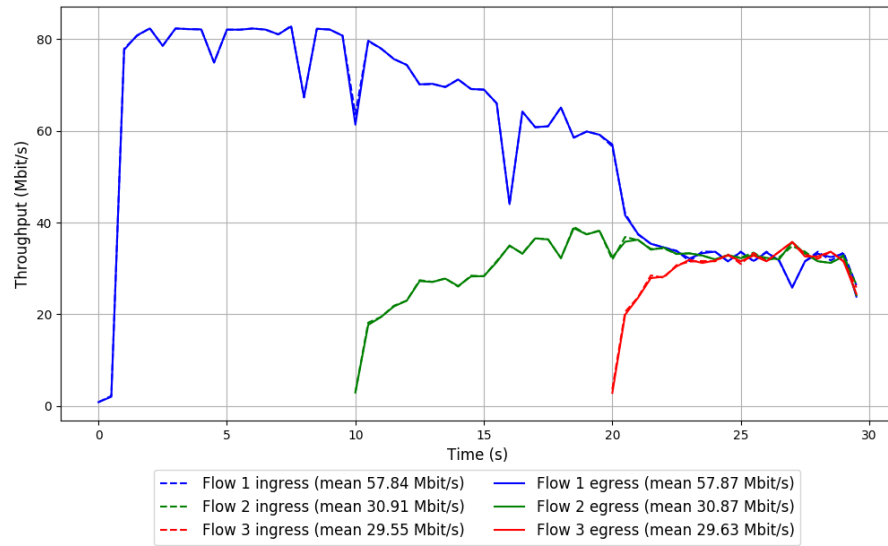
-- Flow 3:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 35.208 ms

Loss rate: 0.60%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-01 00:20:28

End at: 2018-02-01 00:20:58

Local clock offset: 0.212 ms

Remote clock offset: 0.951 ms

Below is generated by plot.py at 2018-02-01 04:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 24.441 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 2.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 24.399 ms

Loss rate: 0.31%

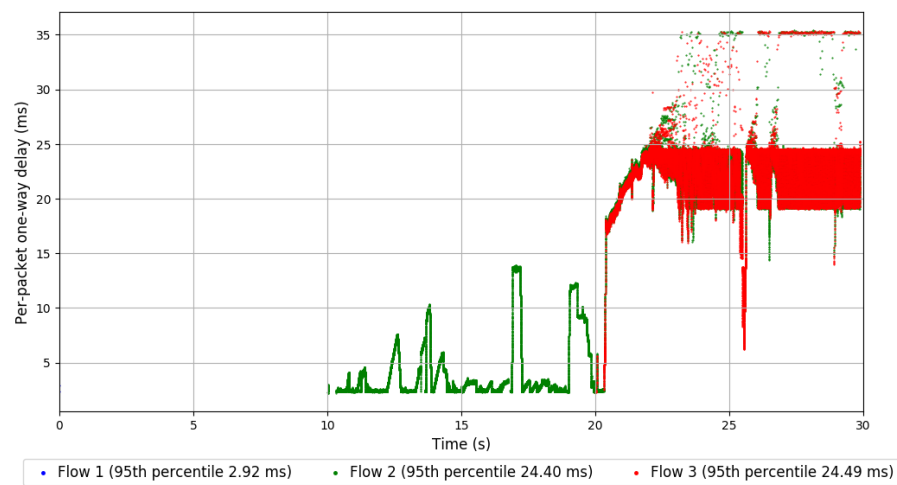
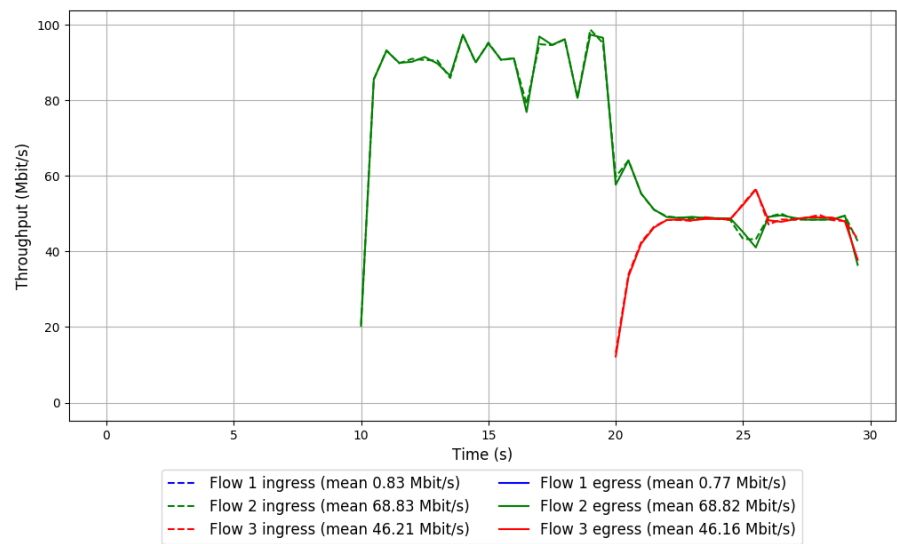
-- Flow 3:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 24.489 ms

Loss rate: 0.83%

Run 8: Report of QUIC Cubic — Data Link

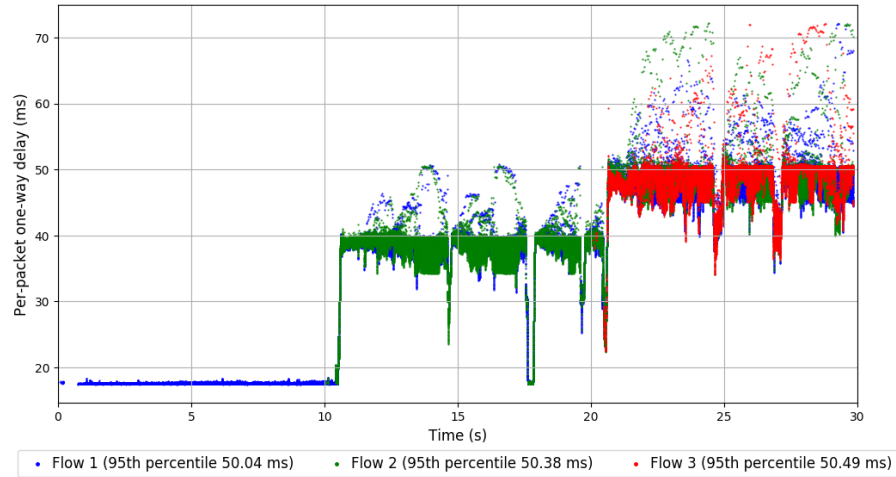
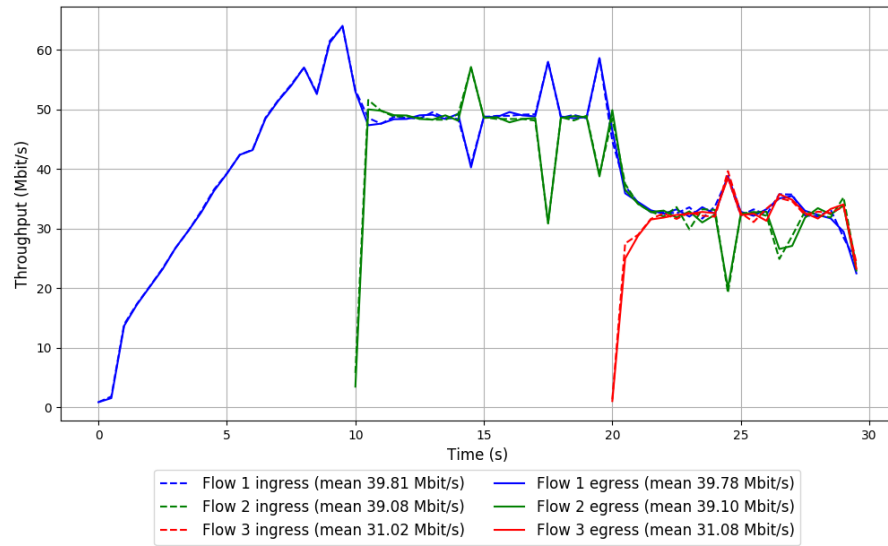


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-01 00:42:23
End at: 2018-02-01 00:42:53
Local clock offset: 0.393 ms
Remote clock offset: -13.996 ms

Below is generated by plot.py at 2018-02-01 04:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 50.373 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 50.038 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 50.382 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 50.491 ms
Loss rate: 0.67%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-01 01:04:58

End at: 2018-02-01 01:05:28

Local clock offset: 0.507 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 36.368 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 36.228 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 38.72 Mbit/s

95th percentile per-packet one-way delay: 36.321 ms

Loss rate: 0.38%

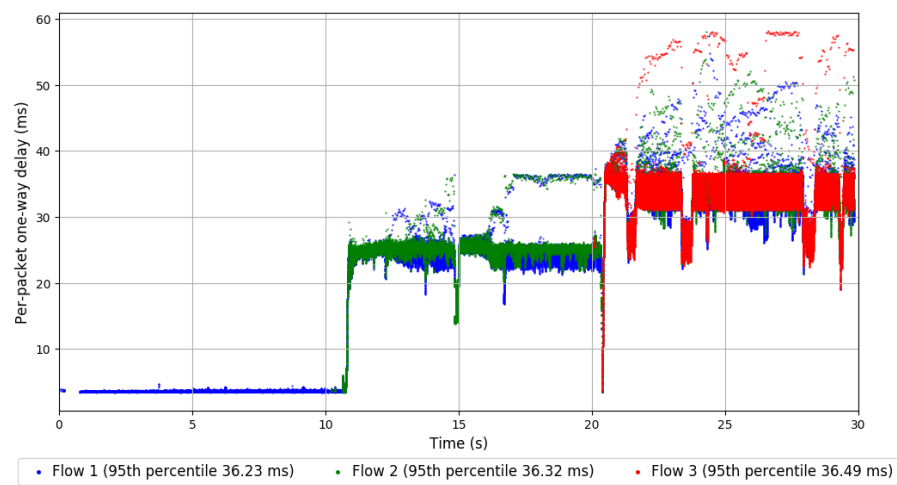
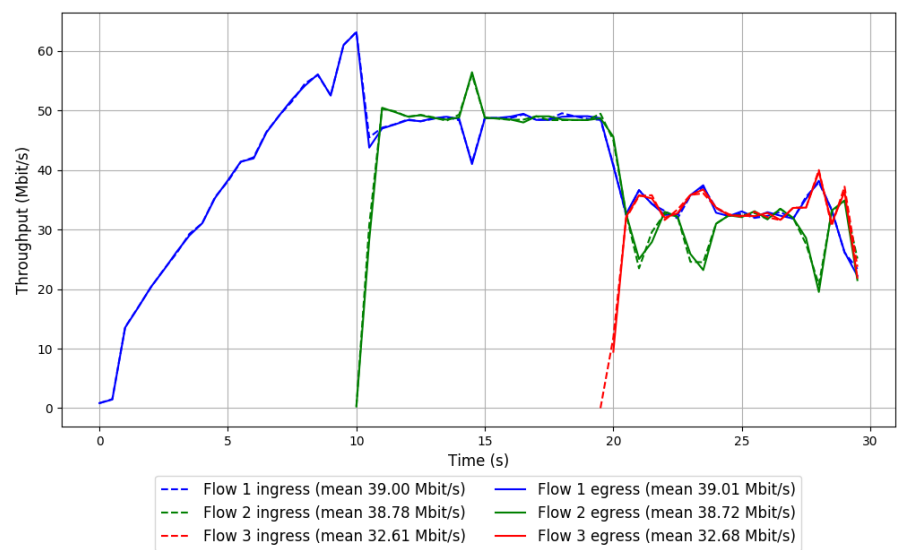
-- Flow 3:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 36.487 ms

Loss rate: 0.73%

Run 10: Report of QUIC Cubic — Data Link

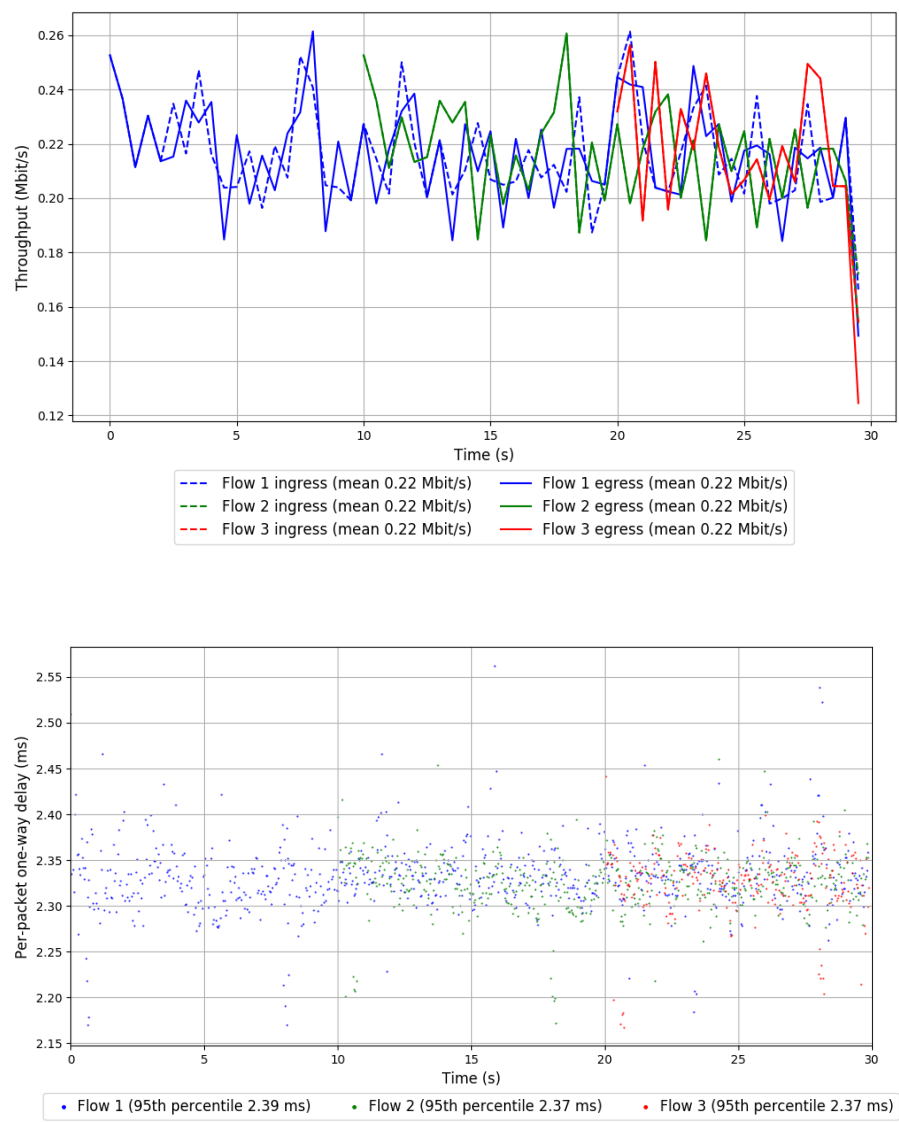


Run 1: Statistics of SReAM

Start at: 2018-01-31 21:38:19
End at: 2018-01-31 21:38:49
Local clock offset: -0.044 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.388 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.68%

Run 1: Report of SReAM — Data Link

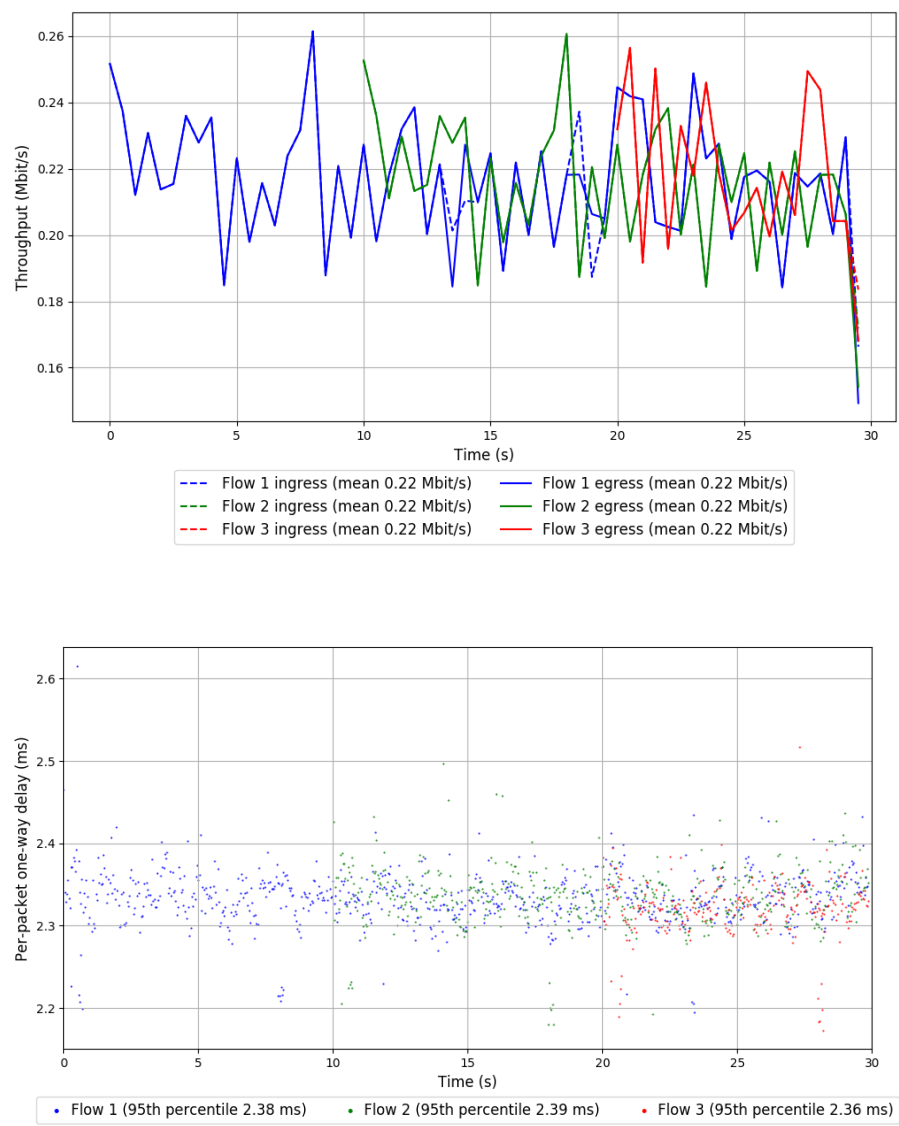


```
Run 2: Statistics of SReAM

Start at: 2018-01-31 22:00:32
End at: 2018-01-31 22:01:02
Local clock offset: -0.037 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.35%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-01-31 22:21:56

End at: 2018-01-31 22:22:26

Local clock offset: -0.096 ms

Remote clock offset: 0.324 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.298 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.302 ms

Loss rate: 0.20%

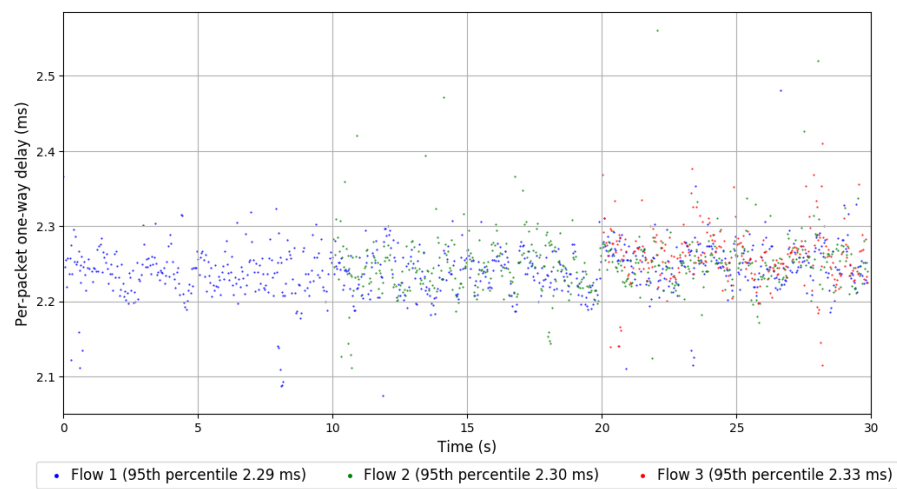
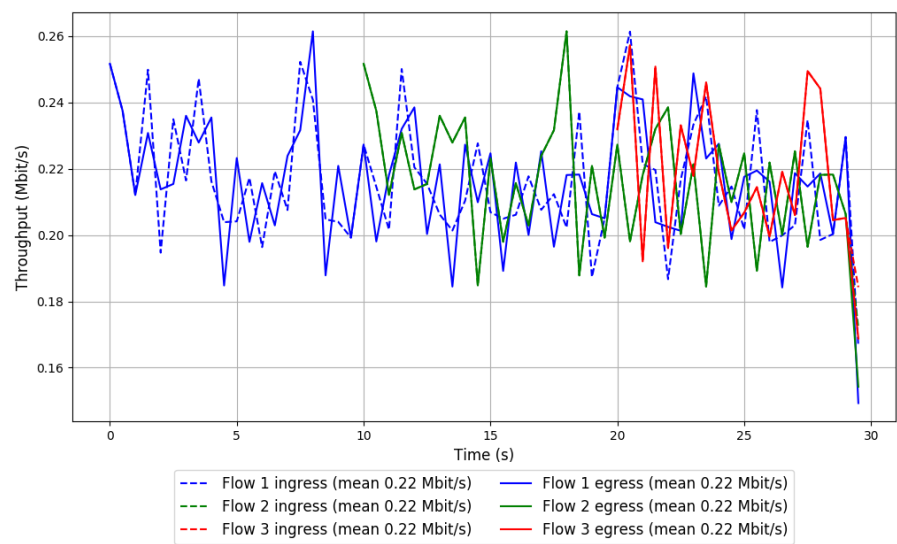
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.325 ms

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

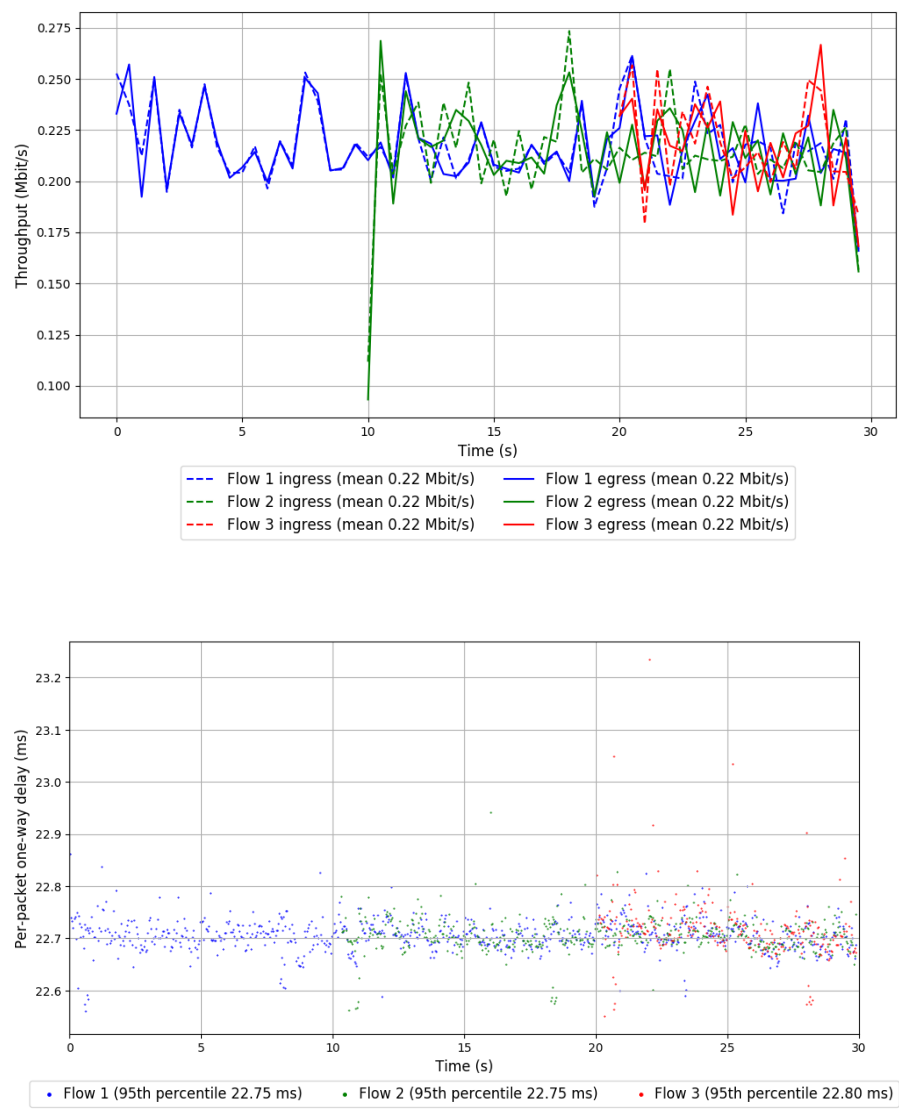


Run 4: Statistics of SReAM

Start at: 2018-01-31 22:43:16
End at: 2018-01-31 22:43:46
Local clock offset: 0.009 ms
Remote clock offset: -19.727 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.758 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.753 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.795 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-31 23:05:11

End at: 2018-01-31 23:05:41

Local clock offset: 0.002 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.768 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.769 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.761 ms

Loss rate: 0.21%

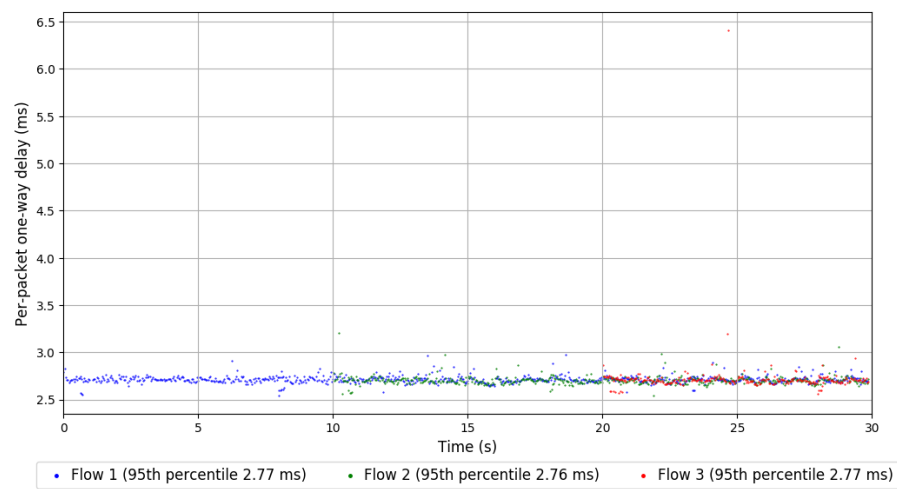
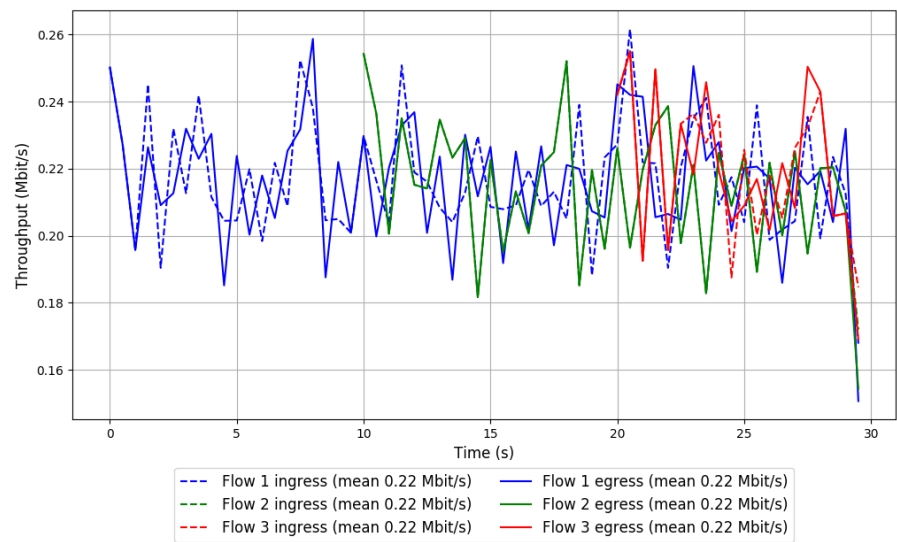
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.772 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-01-31 23:27:05

End at: 2018-01-31 23:27:35

Local clock offset: -0.049 ms

Remote clock offset: 0.599 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.341 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.342 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.338 ms

Loss rate: 0.20%

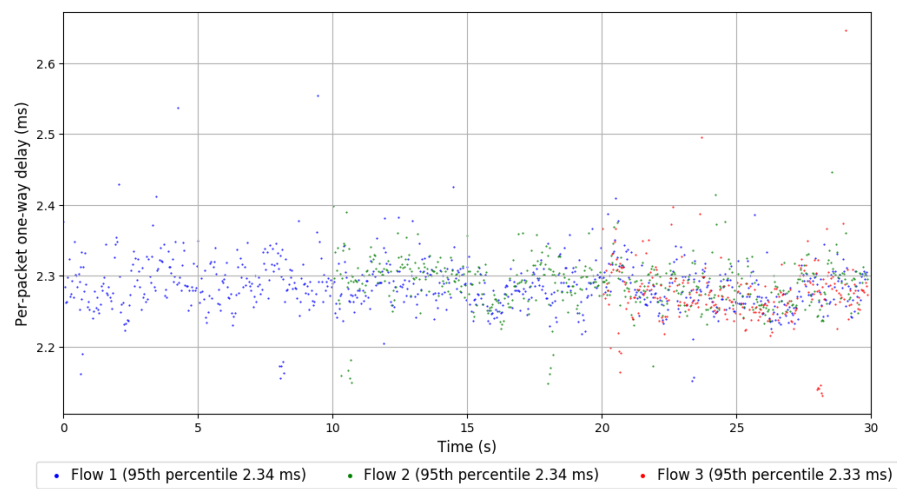
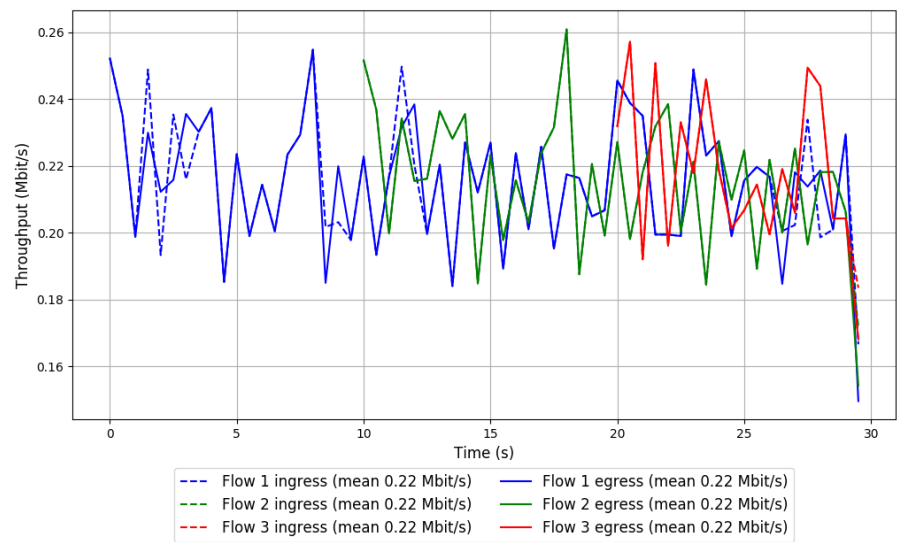
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.332 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

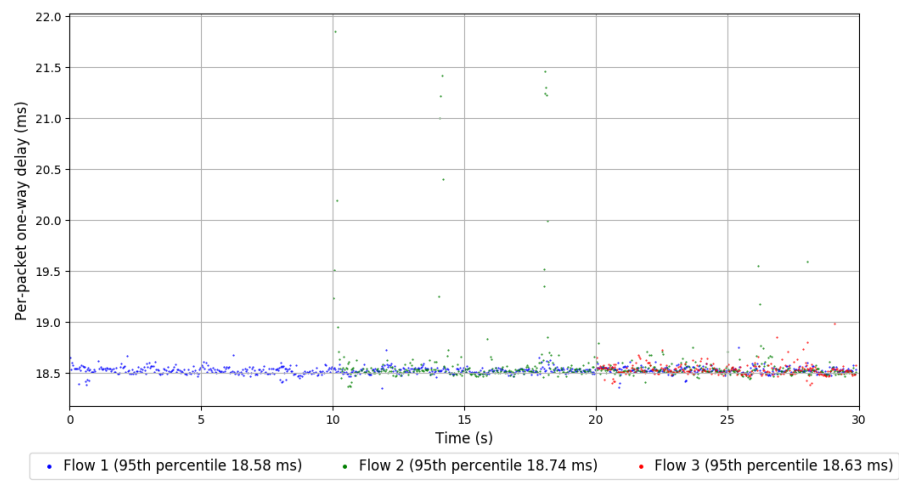
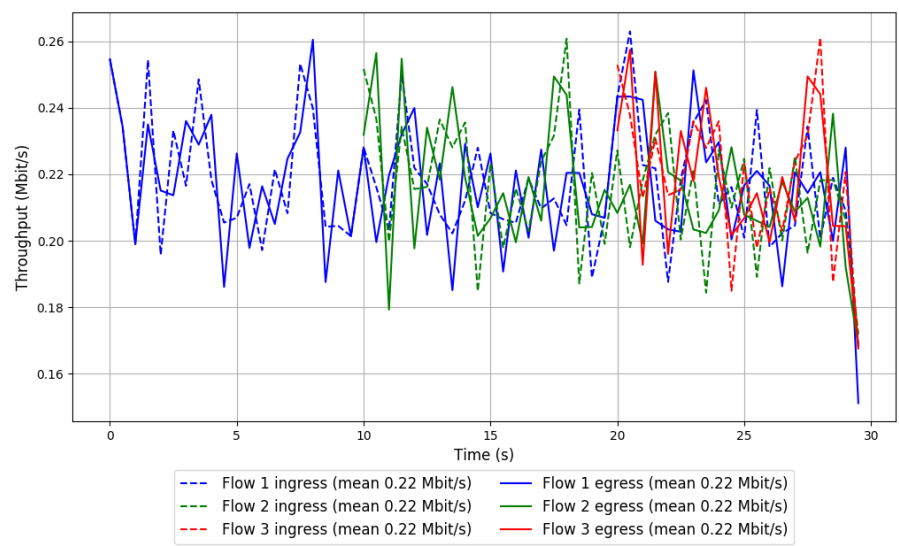


Run 7: Statistics of SReAM

Start at: 2018-01-31 23:48:48
End at: 2018-01-31 23:49:18
Local clock offset: -0.046 ms
Remote clock offset: -15.579 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.623 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.576 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.736 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.634 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-02-01 00:10:51

End at: 2018-02-01 00:11:21

Local clock offset: 0.115 ms

Remote clock offset: 0.816 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.531 ms

Loss rate: 0.20%

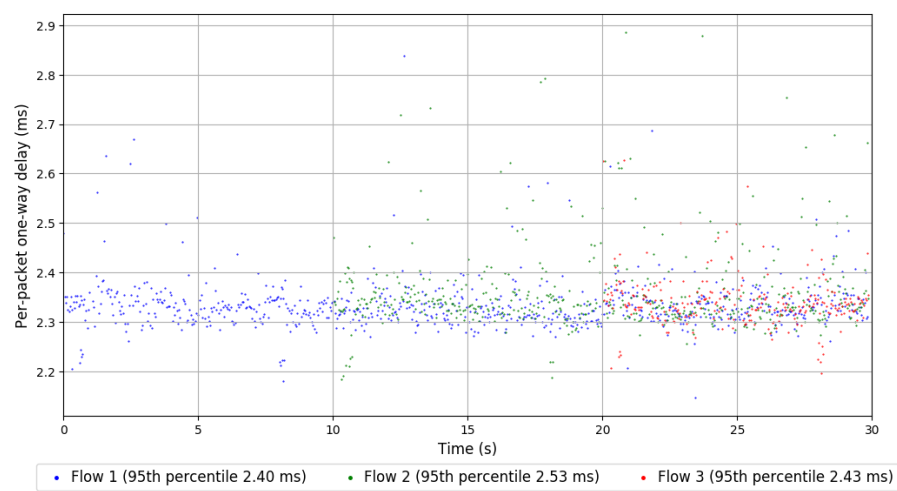
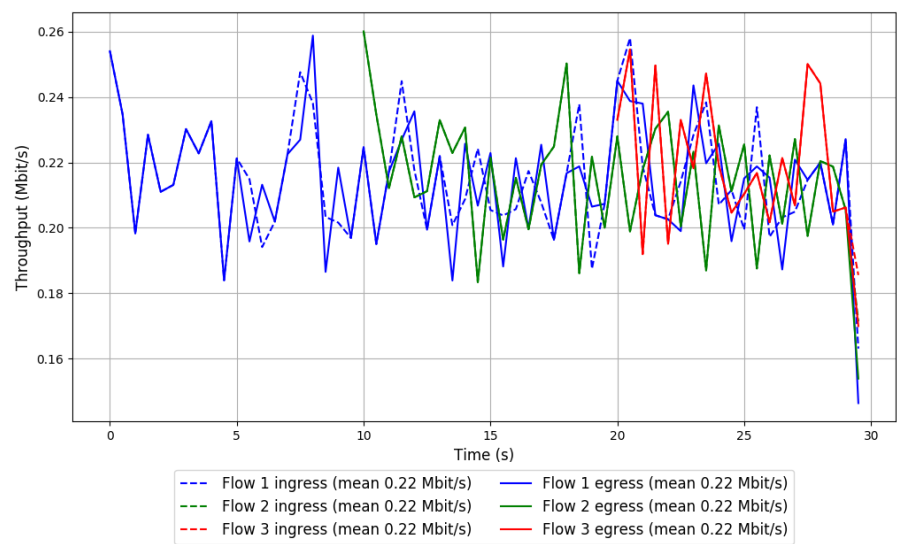
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.429 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

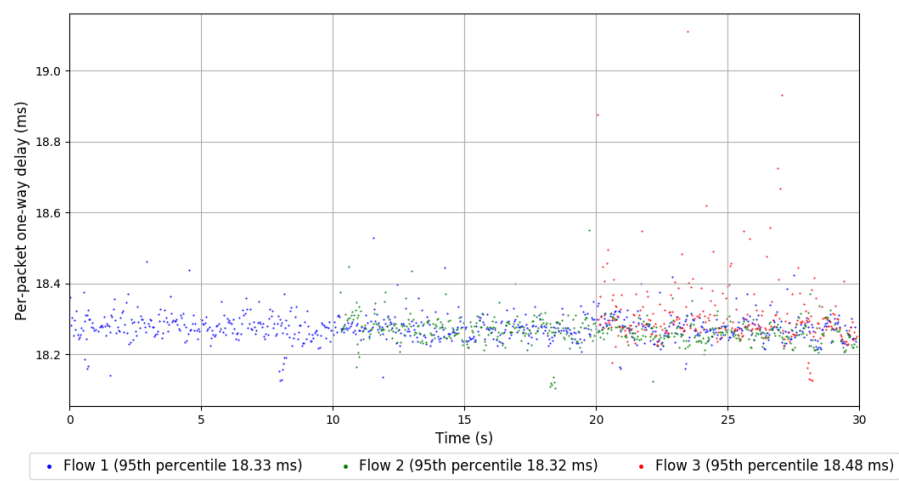
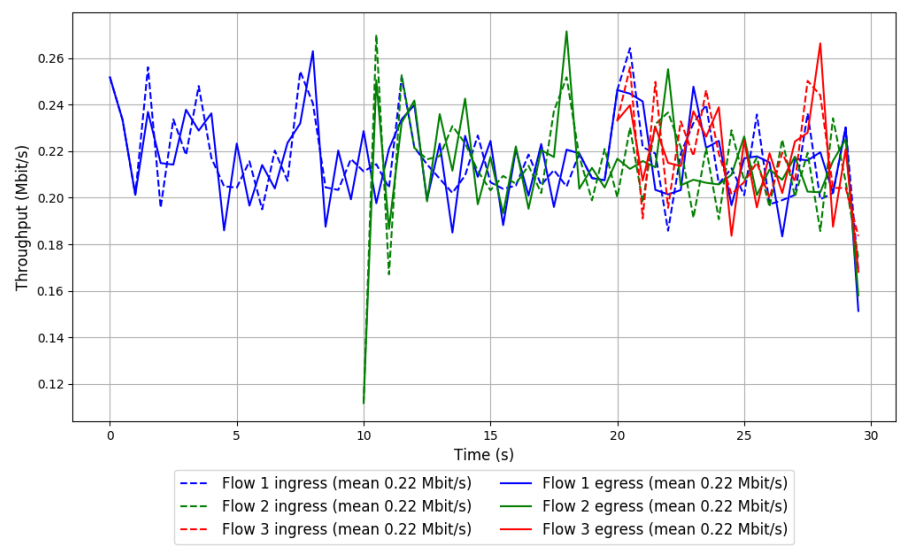


Run 9: Statistics of SReAM

Start at: 2018-02-01 00:32:47
End at: 2018-02-01 00:33:17
Local clock offset: 0.32 ms
Remote clock offset: -14.796 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.355 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.328 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.475 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

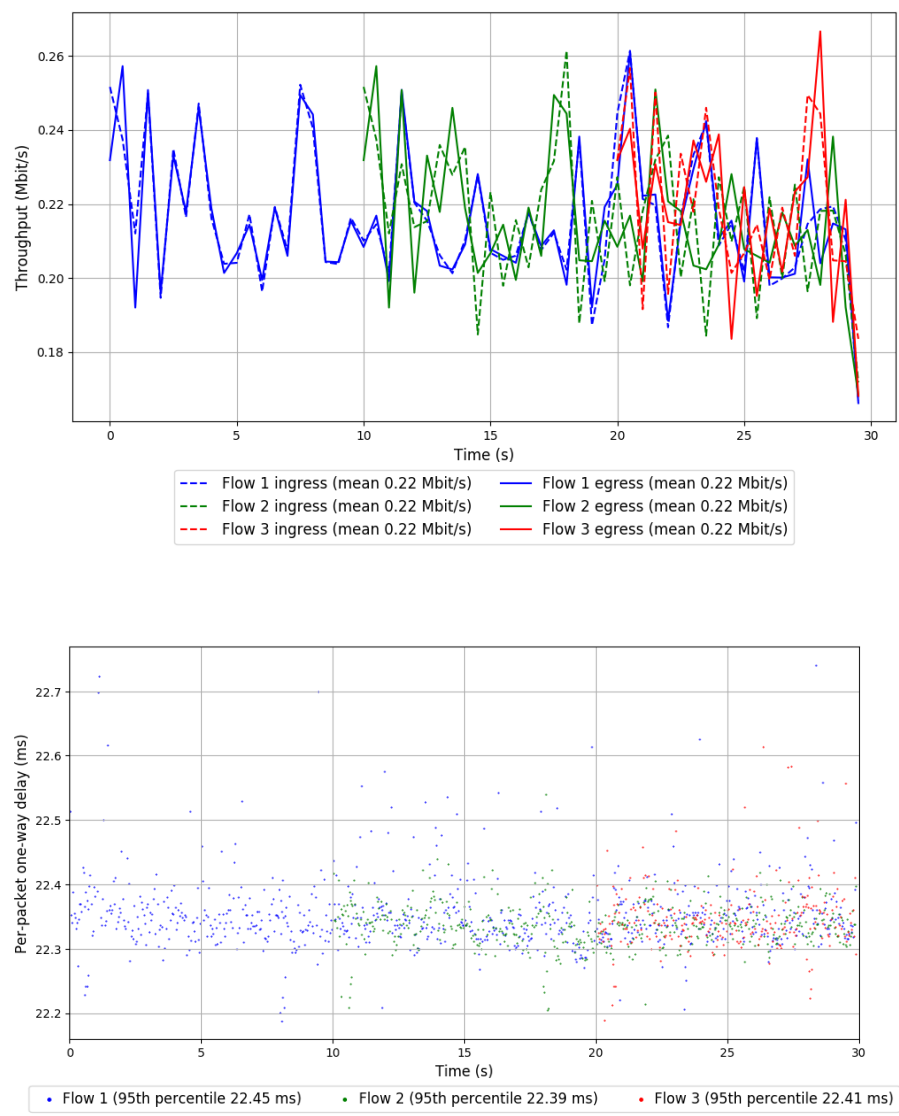


Run 10: Statistics of SCReAM

Start at: 2018-02-01 00:54:35
End at: 2018-02-01 00:55:05
Local clock offset: 0.441 ms
Remote clock offset: -18.743 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.419 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.450 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.393 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.415 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-01-31 21:42:38

End at: 2018-01-31 21:43:08

Local clock offset: -0.101 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 3.275 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 3.272 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 3.238 ms

Loss rate: 0.43%

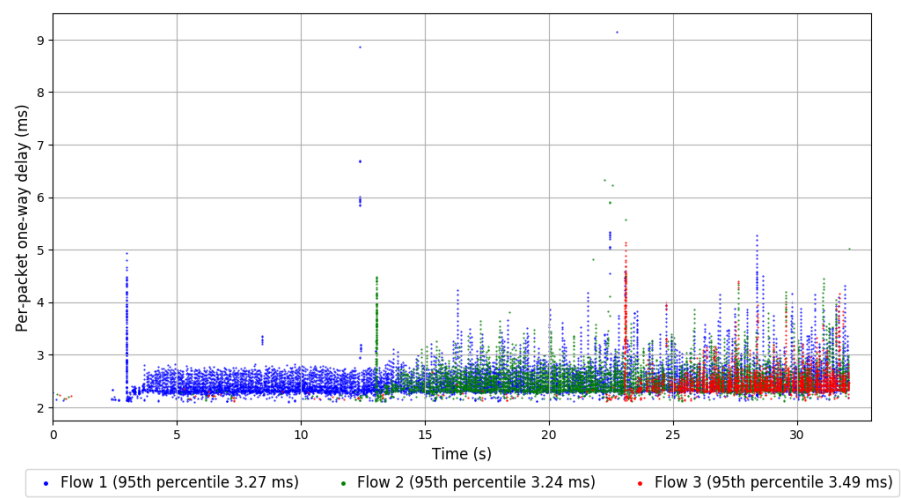
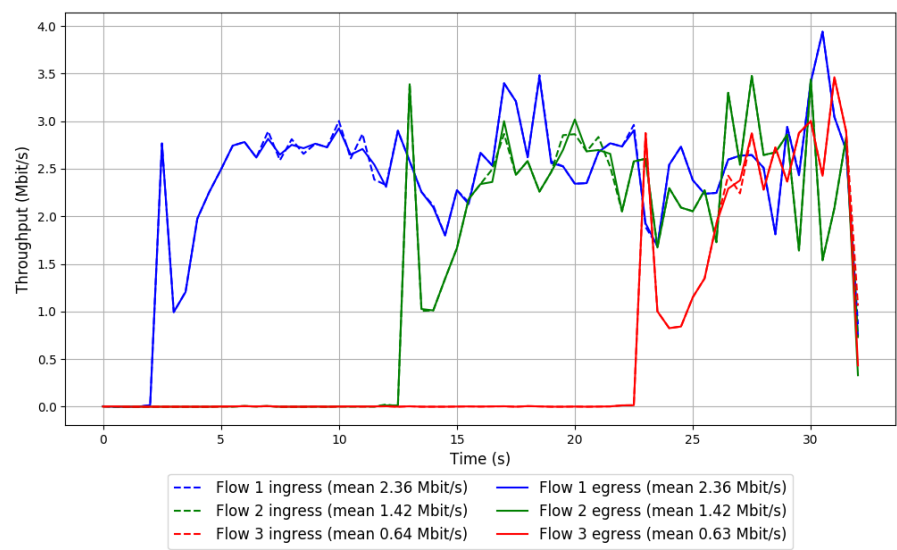
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 3.492 ms

Loss rate: 1.54%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-31 22:04:05

End at: 2018-01-31 22:04:35

Local clock offset: -0.046 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 3.310 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 3.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 3.322 ms

Loss rate: 0.66%

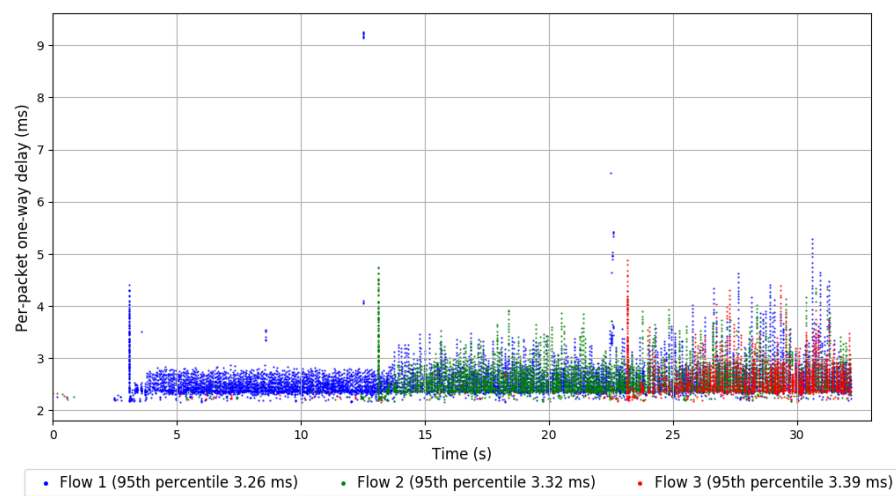
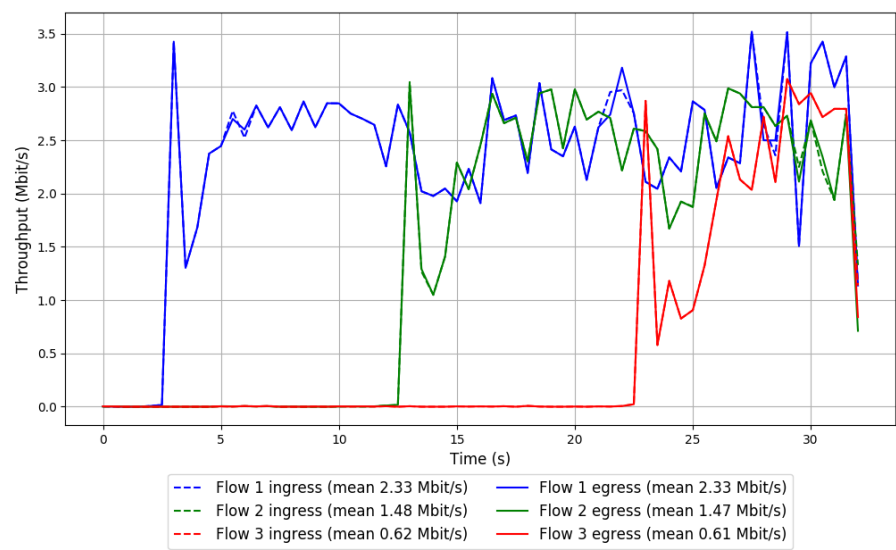
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 3.393 ms

Loss rate: 0.75%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-31 22:25:32

End at: 2018-01-31 22:26:02

Local clock offset: -0.019 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 3.264 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 3.261 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 3.165 ms

Loss rate: 0.00%

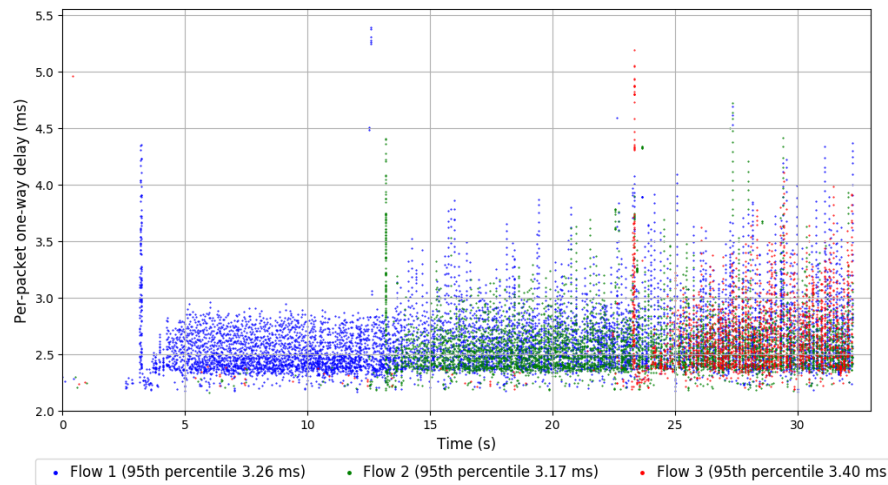
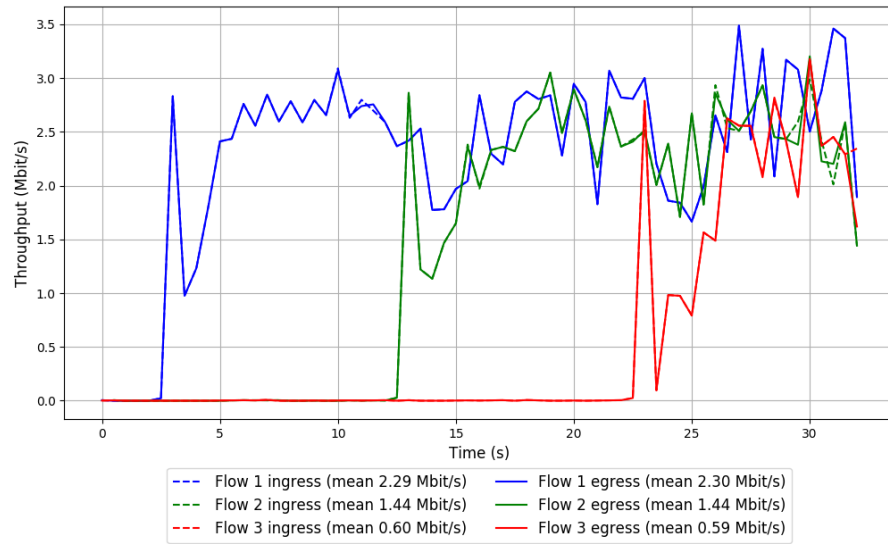
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 3.404 ms

Loss rate: 1.89%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-31 22:46:49

End at: 2018-01-31 22:47:19

Local clock offset: -0.003 ms

Remote clock offset: 0.623 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 3.357 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 3.295 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 3.337 ms

Loss rate: 0.84%

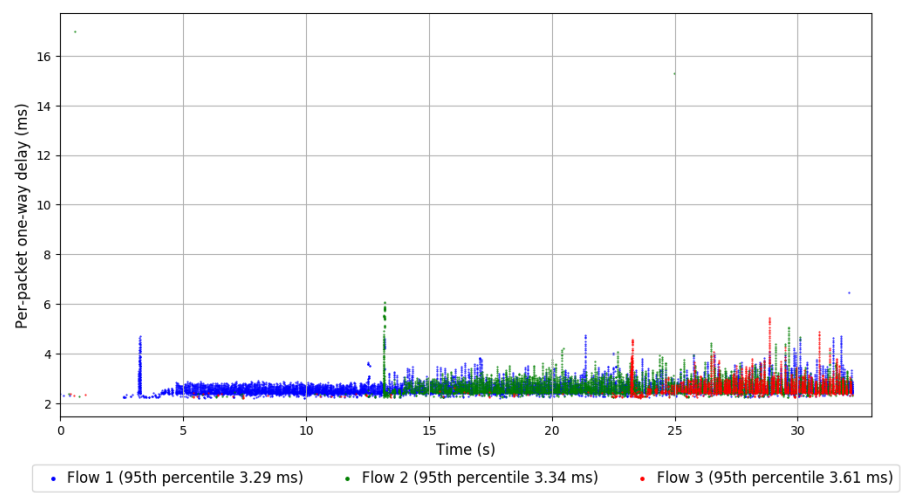
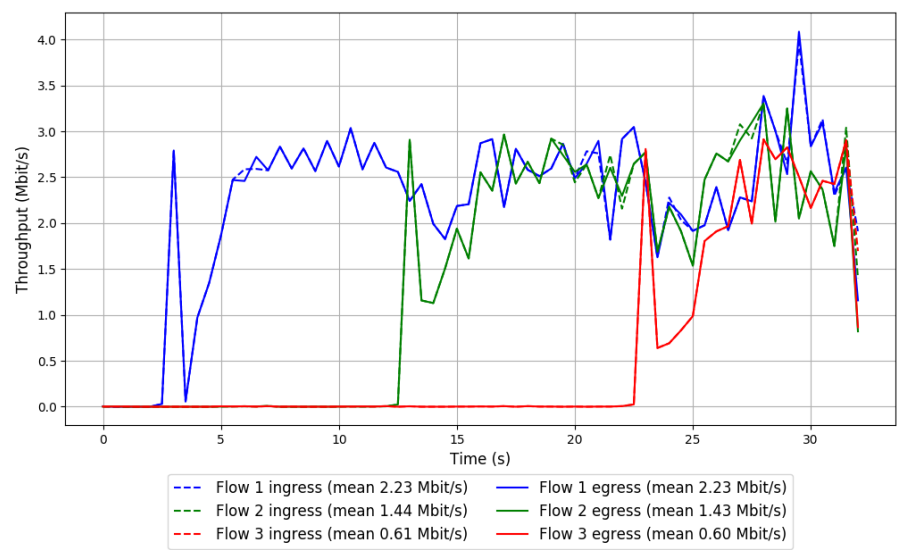
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 3.614 ms

Loss rate: 2.12%

Run 4: Report of WebRTC media — Data Link

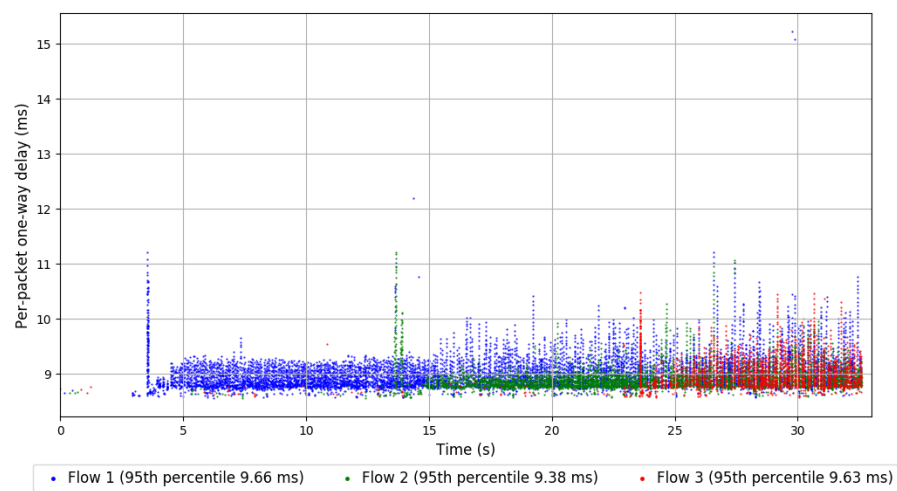
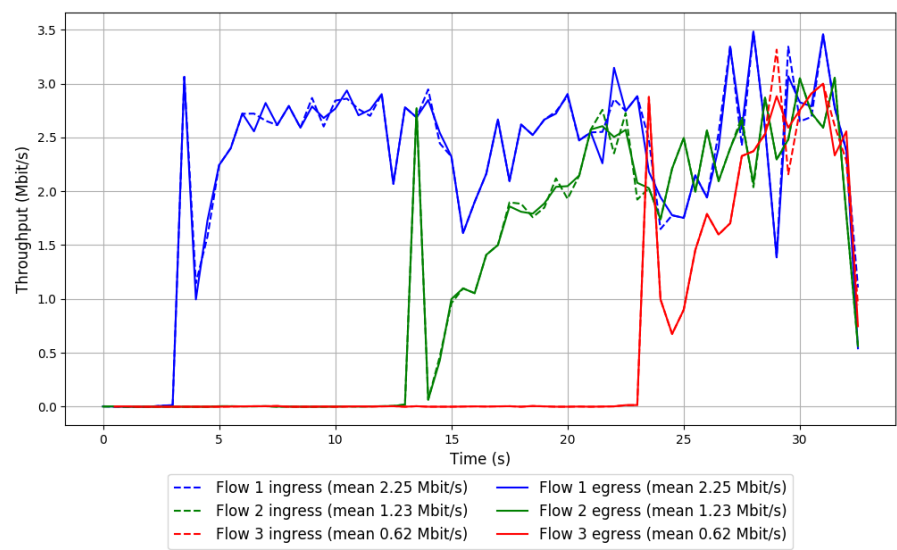


Run 5: Statistics of WebRTC media

Start at: 2018-01-31 23:08:46
End at: 2018-01-31 23:09:16
Local clock offset: -0.081 ms
Remote clock offset: -5.813 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 9.586 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 9.661 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 9.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 9.629 ms
Loss rate: 0.51%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-31 23:30:40

End at: 2018-01-31 23:31:10

Local clock offset: -0.025 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 3.320 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 3.268 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 3.364 ms

Loss rate: 0.00%

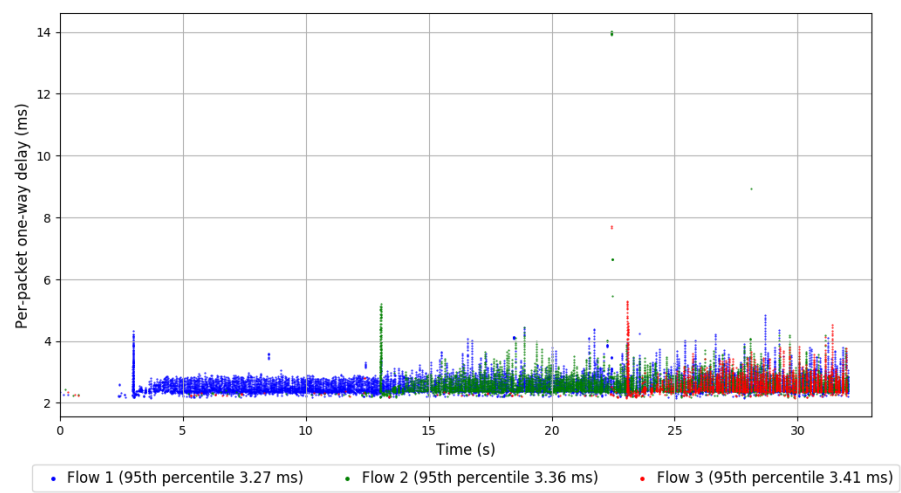
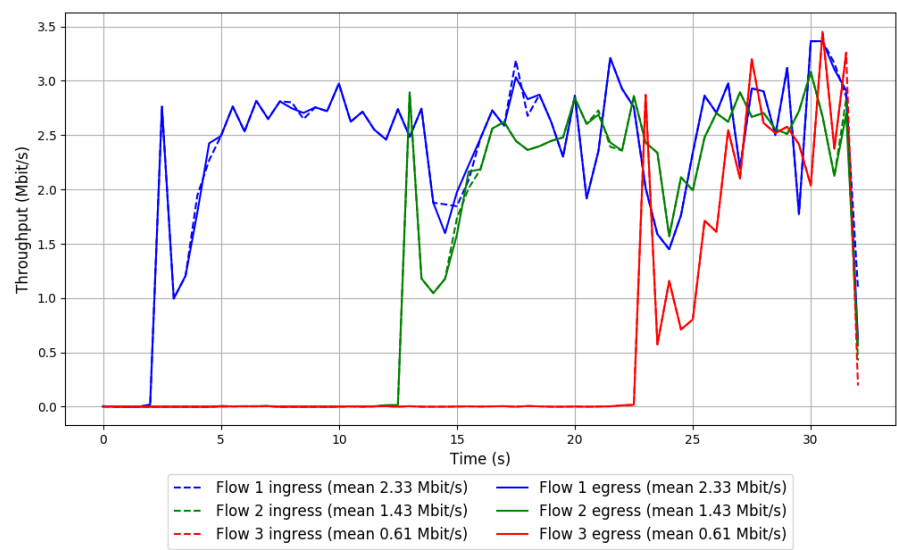
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 3.411 ms

Loss rate: 0.50%

Run 6: Report of WebRTC media — Data Link

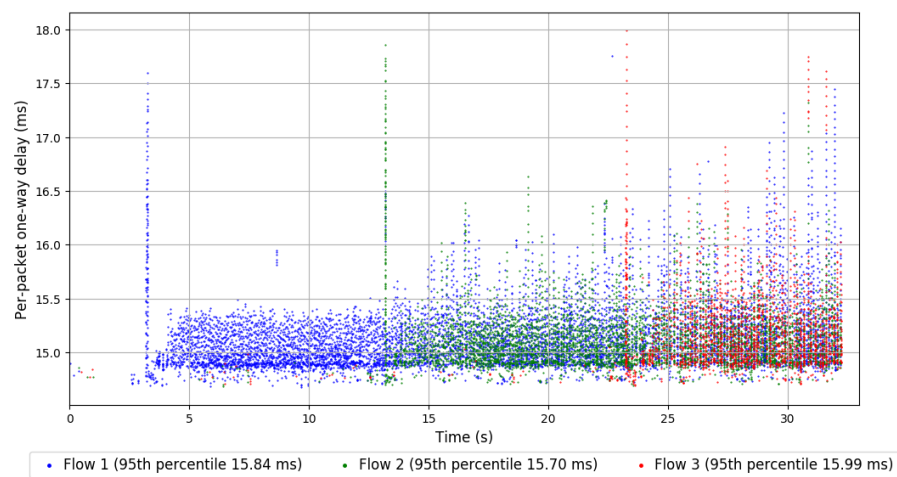
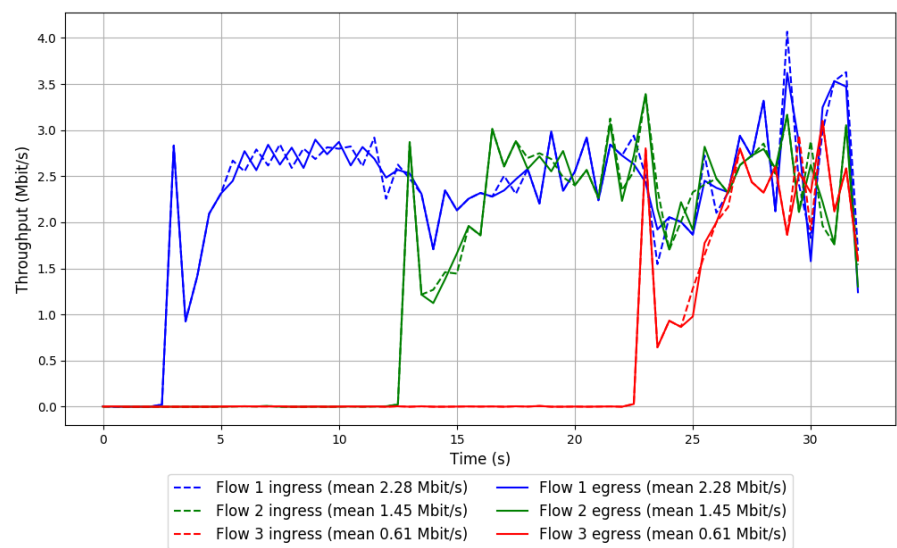


Run 7: Statistics of WebRTC media

Start at: 2018-01-31 23:52:19
End at: 2018-01-31 23:52:49
Local clock offset: -0.004 ms
Remote clock offset: -11.876 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 15.822 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 15.836 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 15.695 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 15.990 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

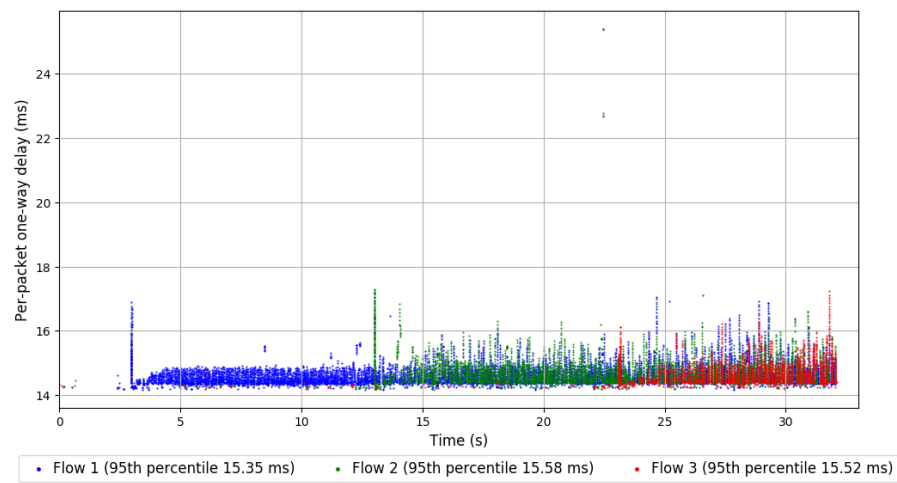
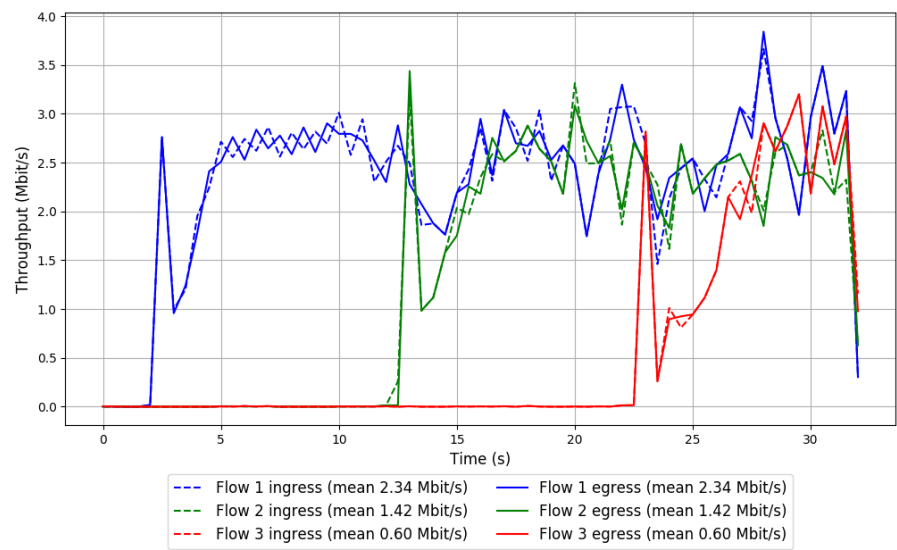


Run 8: Statistics of WebRTC media

Start at: 2018-02-01 00:14:29
End at: 2018-02-01 00:14:59
Local clock offset: 0.173 ms
Remote clock offset: -11.142 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 15.468 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 15.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 15.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 15.522 ms
Loss rate: 0.47%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-01 00:36:27

End at: 2018-02-01 00:36:57

Local clock offset: 0.338 ms

Remote clock offset: 0.812 ms

Below is generated by plot.py at 2018-02-01 04:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 3.679 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 3.581 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 3.697 ms

Loss rate: 0.61%

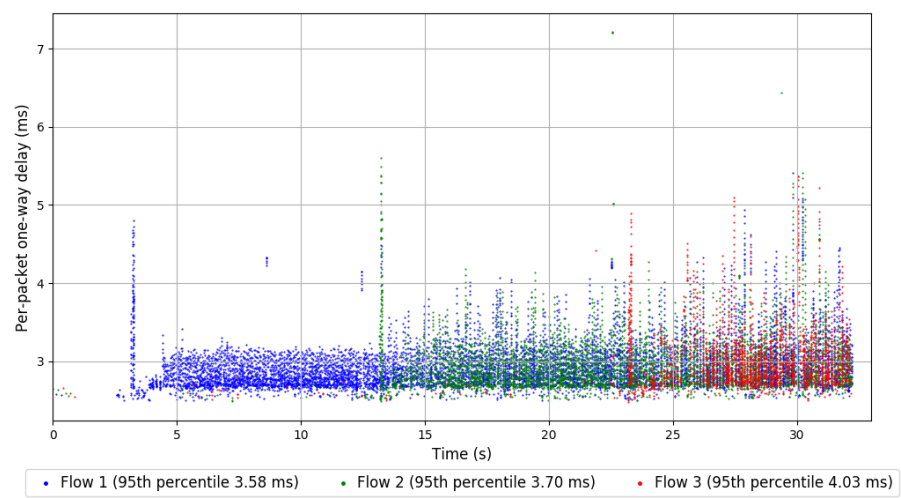
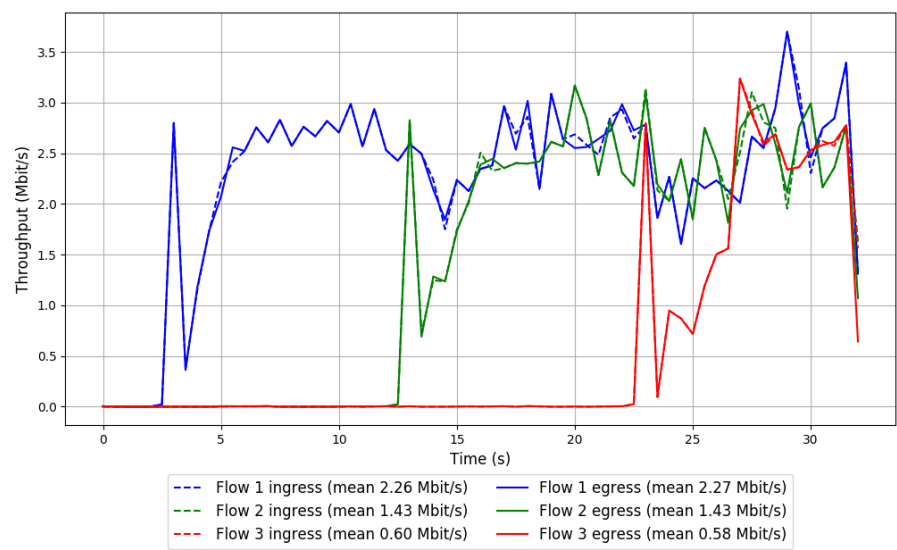
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 4.027 ms

Loss rate: 2.42%

Run 9: Report of WebRTC media — Data Link

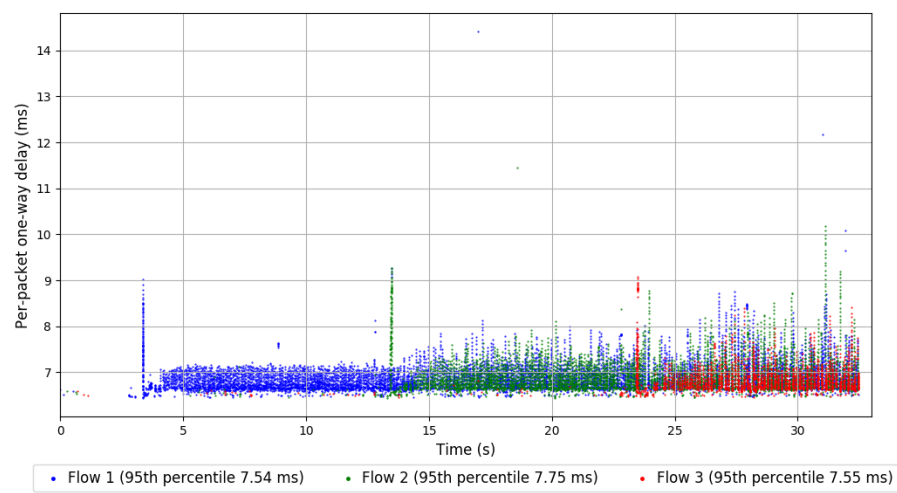
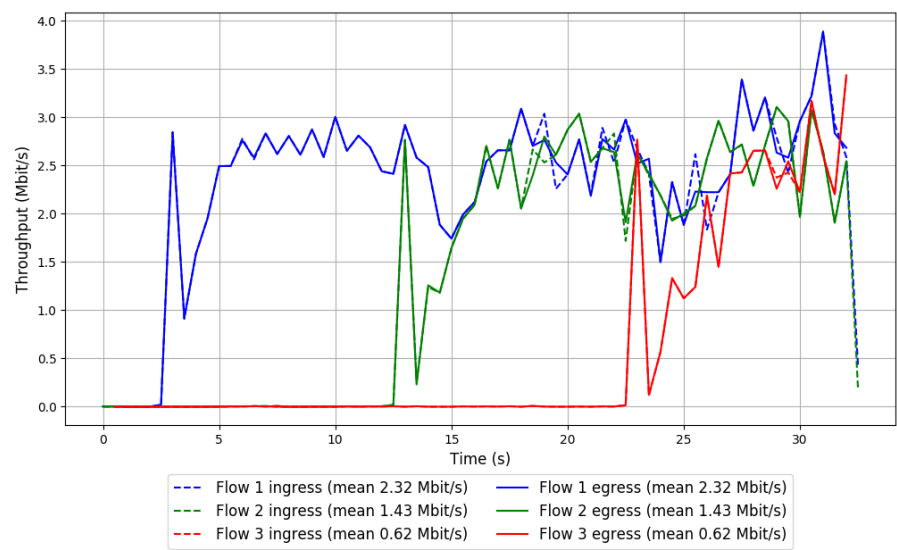


Run 10: Statistics of WebRTC media

Start at: 2018-02-01 00:58:13
End at: 2018-02-01 00:58:43
Local clock offset: 0.421 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-02-01 04:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 7.600 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 7.545 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 7.755 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 7.549 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

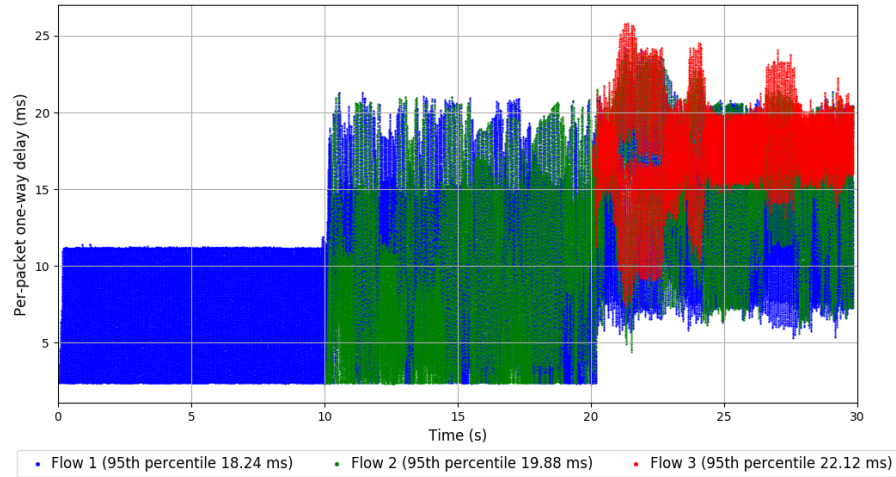
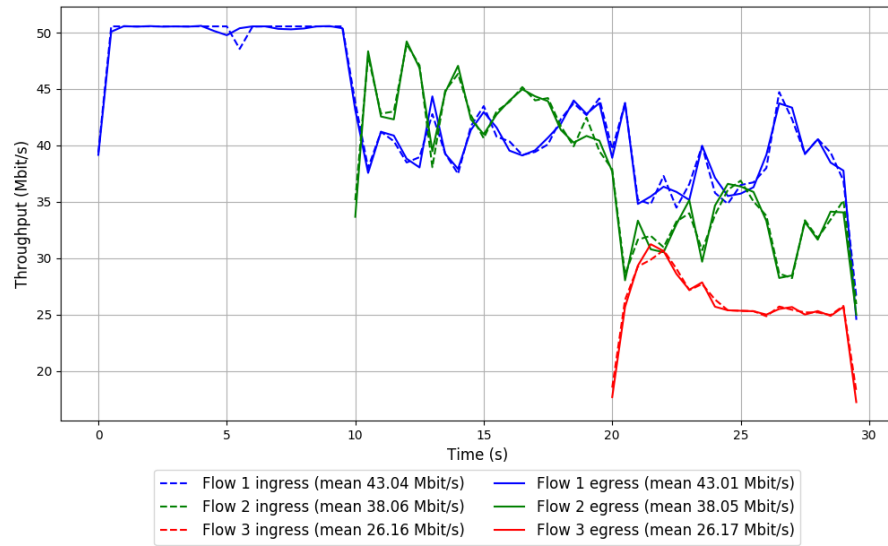


Run 1: Statistics of Sprout

Start at: 2018-01-31 21:44:57
End at: 2018-01-31 21:45:27
Local clock offset: -0.035 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-02-01 04:47:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 18.239 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 22.117 ms
Loss rate: 0.40%

Run 1: Report of Sprout — Data Link

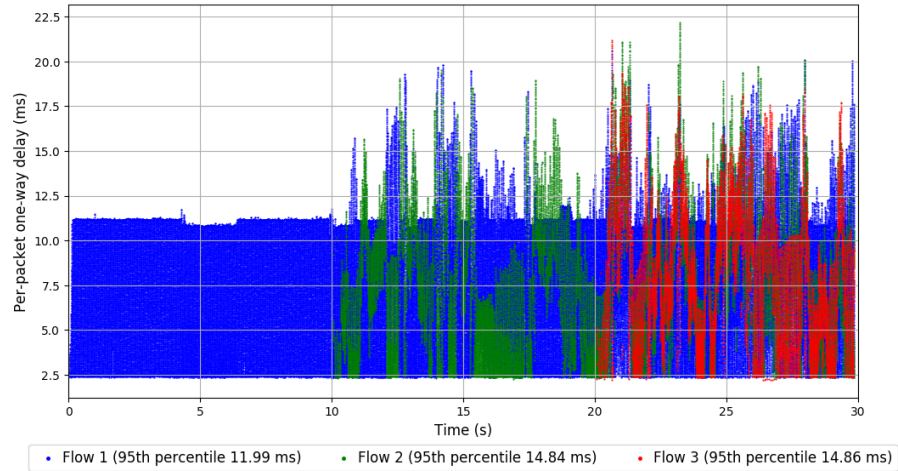
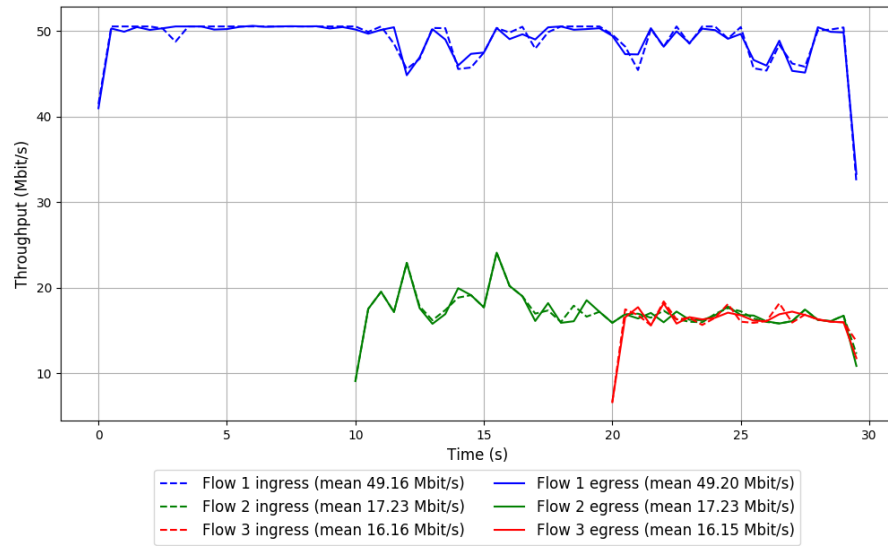


Run 2: Statistics of Sprout

Start at: 2018-01-31 22:06:25
End at: 2018-01-31 22:06:55
Local clock offset: -0.011 ms
Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-02-01 04:47:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 13.183 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 11.988 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 14.841 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 14.864 ms
Loss rate: 0.63%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-31 22:27:51

End at: 2018-01-31 22:28:21

Local clock offset: -0.01 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-02-01 04:47:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: 12.794 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 15.85 Mbit/s

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

Loss rate: 0.14%

-- Flow 2:

Average throughput: 48.90 Mbit/s

95th percentile per-packet one-way delay: 12.166 ms

Loss rate: 0.12%

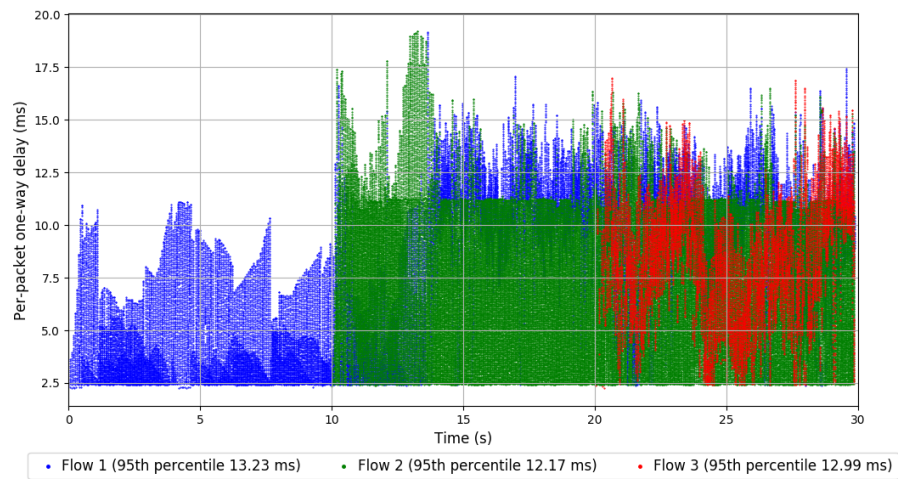
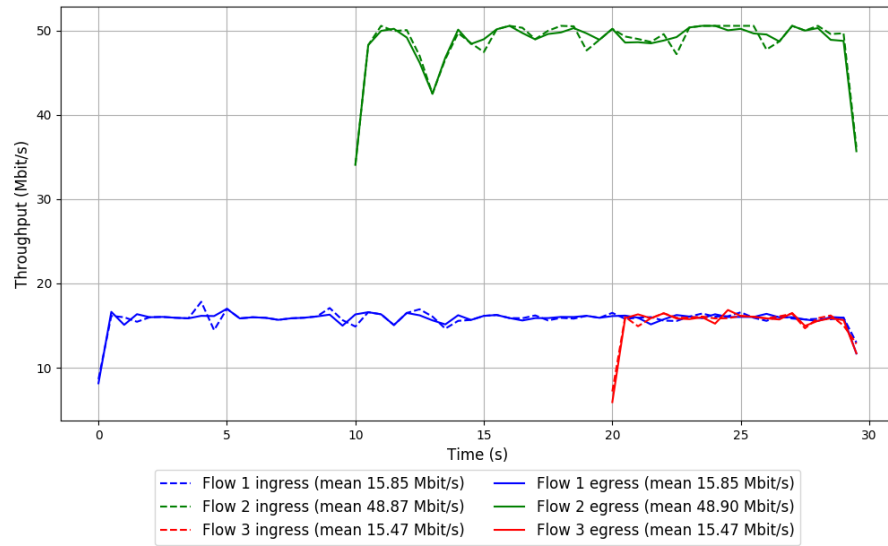
-- Flow 3:

Average throughput: 15.47 Mbit/s

95th percentile per-packet one-way delay: 12.988 ms

Loss rate: 0.37%

Run 3: Report of Sprout — Data Link

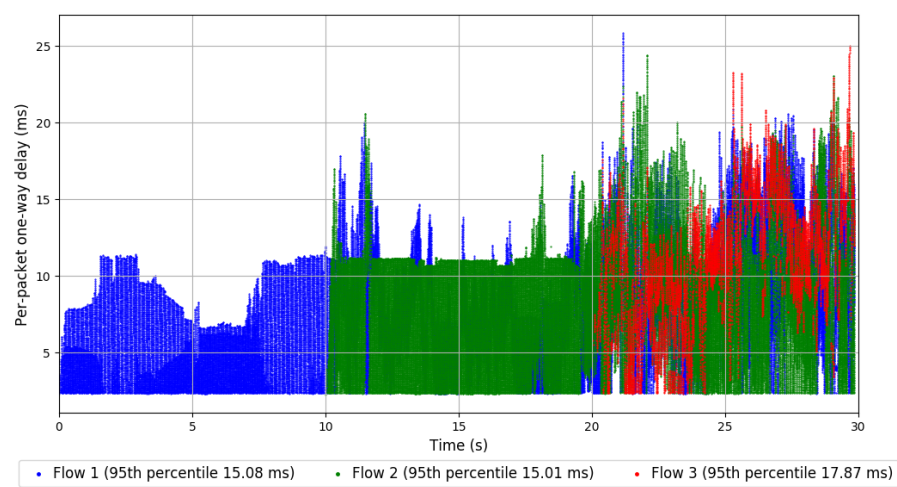
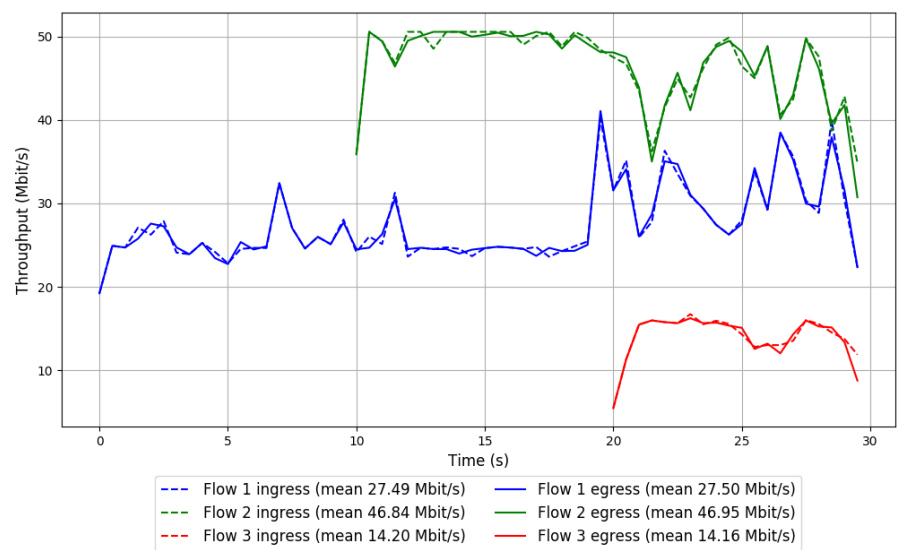


Run 4: Statistics of Sprout

Start at: 2018-01-31 22:49:18
End at: 2018-01-31 22:49:48
Local clock offset: 0.006 ms
Remote clock offset: 0.708 ms

```
# Below is generated by plot.py at 2018-02-01 04:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 15.464 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 15.080 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 15.005 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 17.866 ms
Loss rate: 1.24%
```

Run 4: Report of Sprout — Data Link

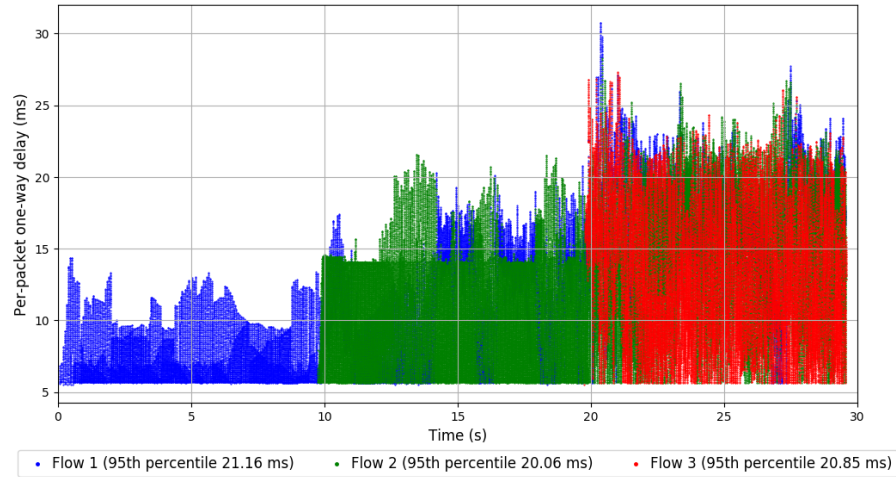
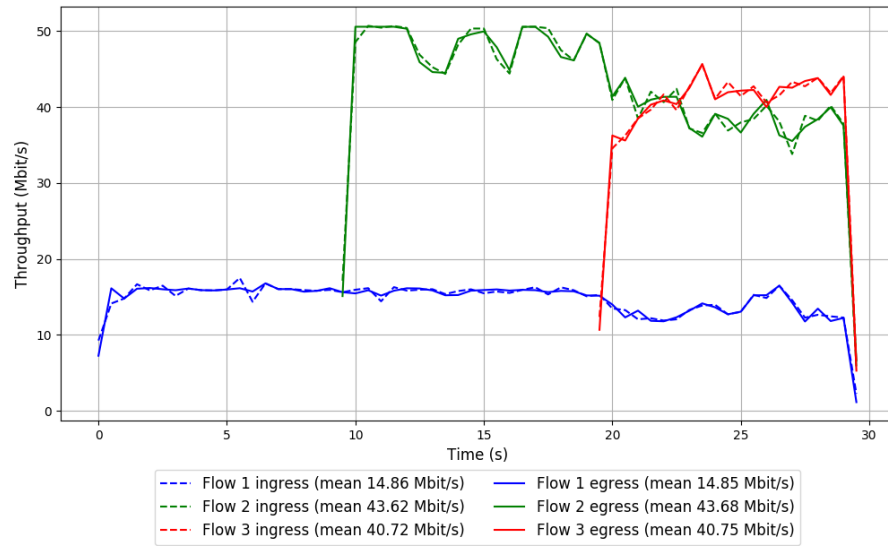


Run 5: Statistics of Sprout

Start at: 2018-01-31 23:11:15
End at: 2018-01-31 23:11:45
Local clock offset: -0.041 ms
Remote clock offset: -2.66 ms

Below is generated by plot.py at 2018-02-01 04:48:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 20.543 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 21.165 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 20.056 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 20.849 ms
Loss rate: 0.27%

Run 5: Report of Sprout — Data Link

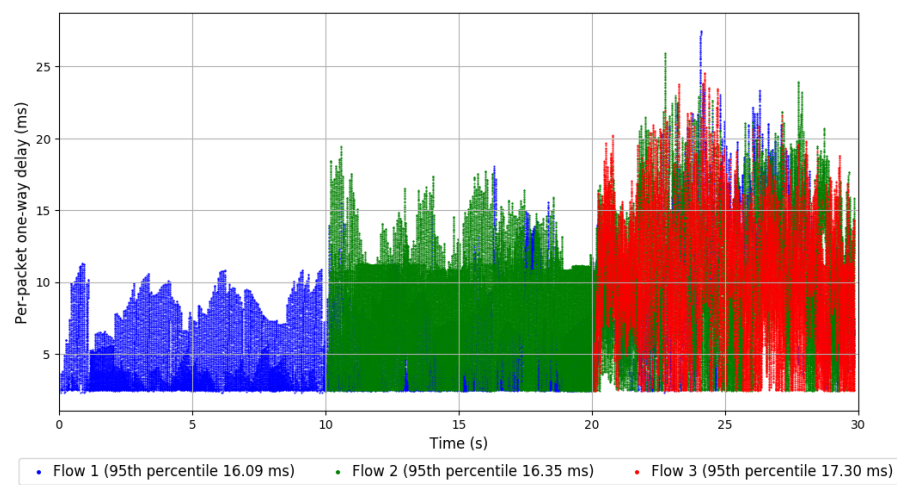
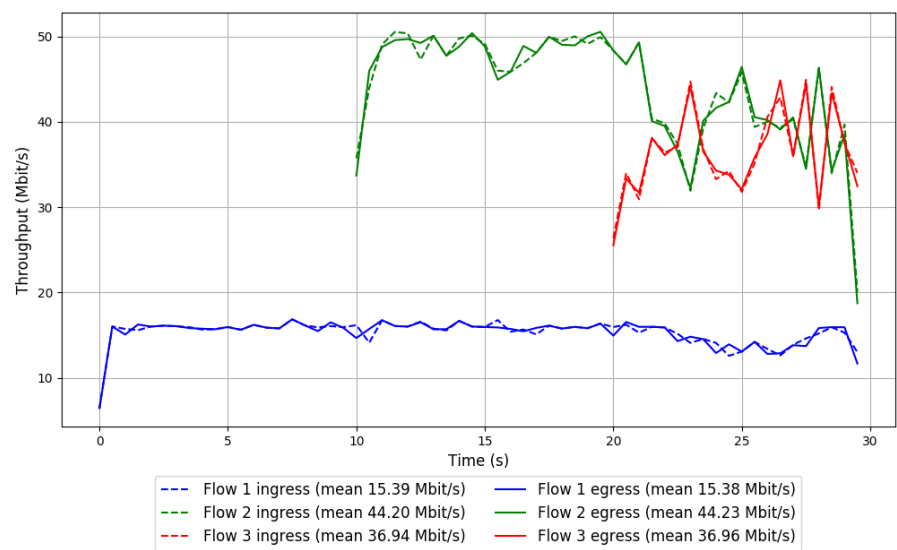


Run 6: Statistics of Sprout

Start at: 2018-01-31 23:33:05
End at: 2018-01-31 23:33:35
Local clock offset: -0.036 ms
Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-02-01 04:48:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 16.544 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 16.087 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 16.346 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 17.299 ms
Loss rate: 0.29%

Run 6: Report of Sprout — Data Link

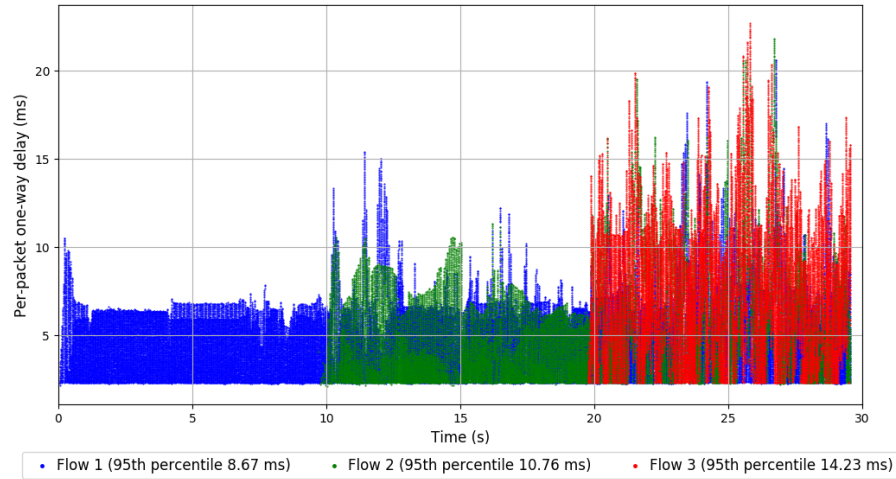
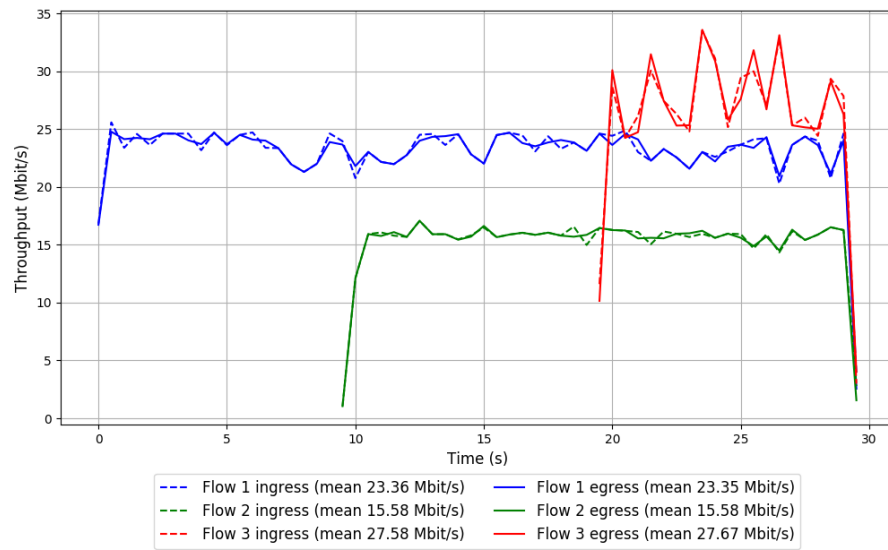


Run 7: Statistics of Sprout

Start at: 2018-01-31 23:54:41
End at: 2018-01-31 23:55:11
Local clock offset: -0.078 ms
Remote clock offset: 0.63 ms

Below is generated by plot.py at 2018-02-01 04:48:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 11.406 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 8.669 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 14.231 ms
Loss rate: 0.18%

Run 7: Report of Sprout — Data Link

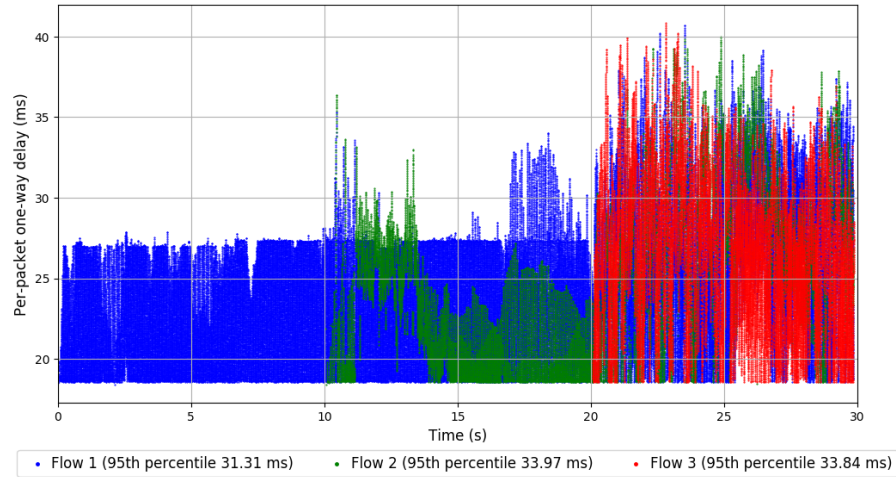
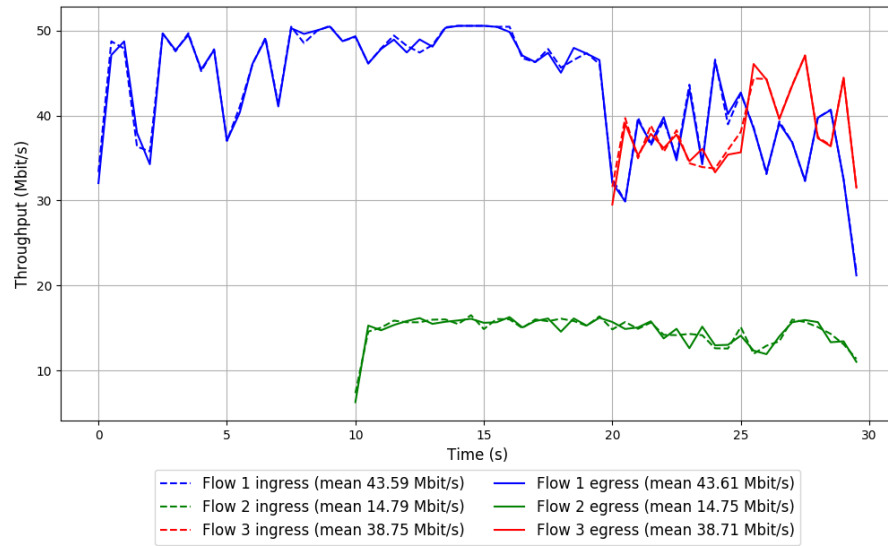


Run 8: Statistics of Sprout

Start at: 2018-02-01 00:16:53
End at: 2018-02-01 00:17:23
Local clock offset: 0.147 ms
Remote clock offset: -15.348 ms

Below is generated by plot.py at 2018-02-01 04:48:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 31.311 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 33.970 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 33.843 ms
Loss rate: 0.44%

Run 8: Report of Sprout — Data Link

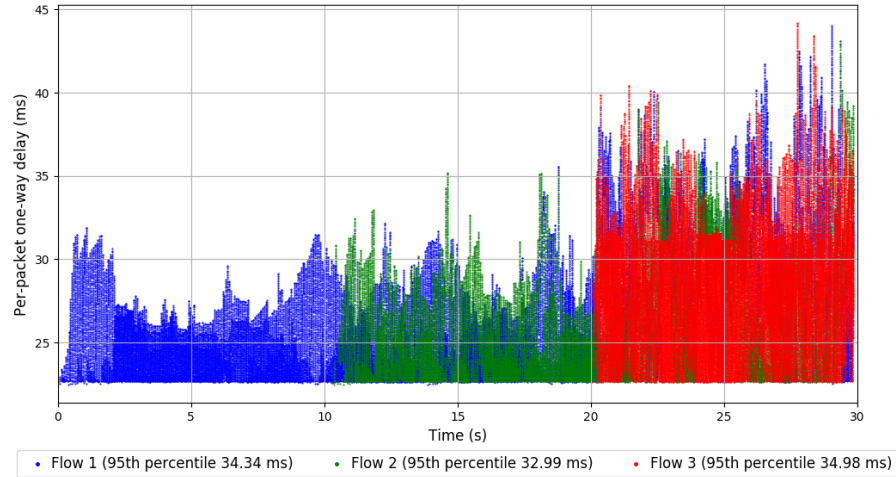
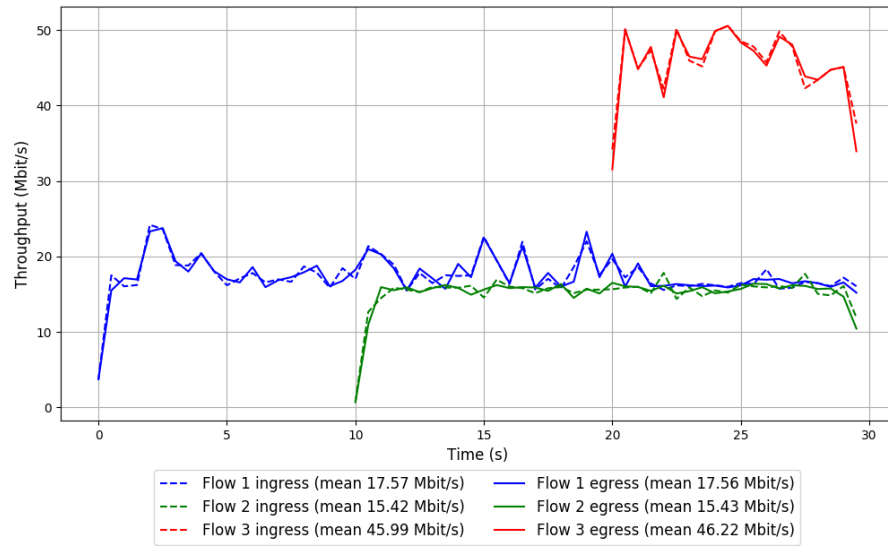


Run 9: Statistics of Sprout

Start at: 2018-02-01 00:38:47
End at: 2018-02-01 00:39:17
Local clock offset: 0.357 ms
Remote clock offset: -19.15 ms

Below is generated by plot.py at 2018-02-01 04:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 34.351 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 34.338 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 32.987 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 34.982 ms
Loss rate: 0.62%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-01 01:00:38

End at: 2018-02-01 01:01:08

Local clock offset: 0.484 ms

Remote clock offset: 1.277 ms

Below is generated by plot.py at 2018-02-01 04:48:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 13.749 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 29.81 Mbit/s

95th percentile per-packet one-way delay: 13.672 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 13.555 ms

Loss rate: 0.10%

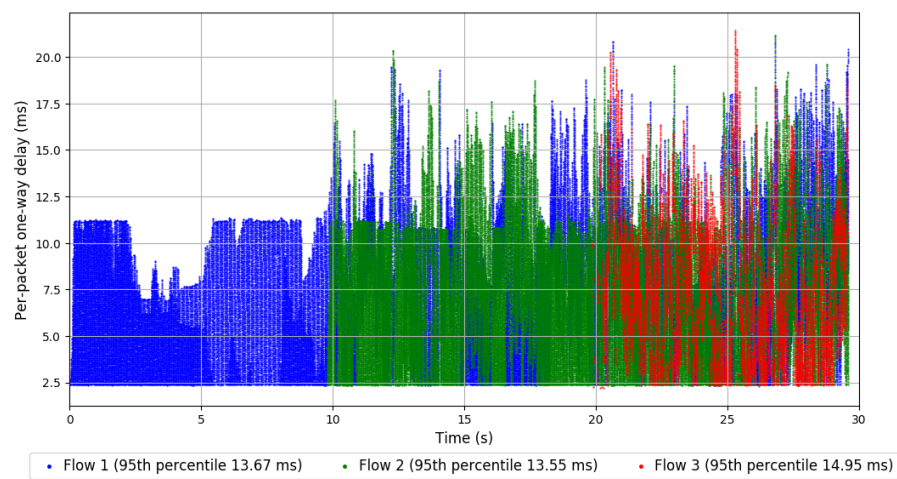
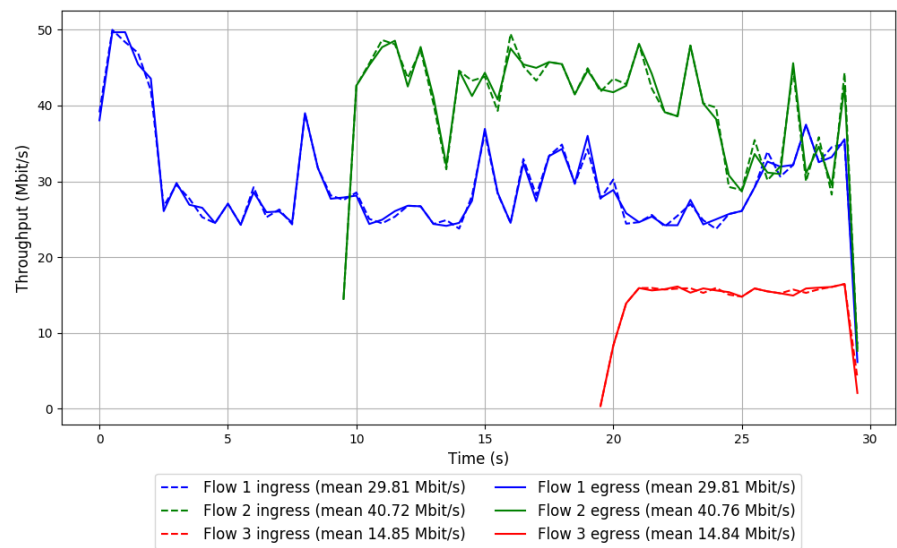
-- Flow 3:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 14.952 ms

Loss rate: 0.67%

Run 10: Report of Sprout — Data Link

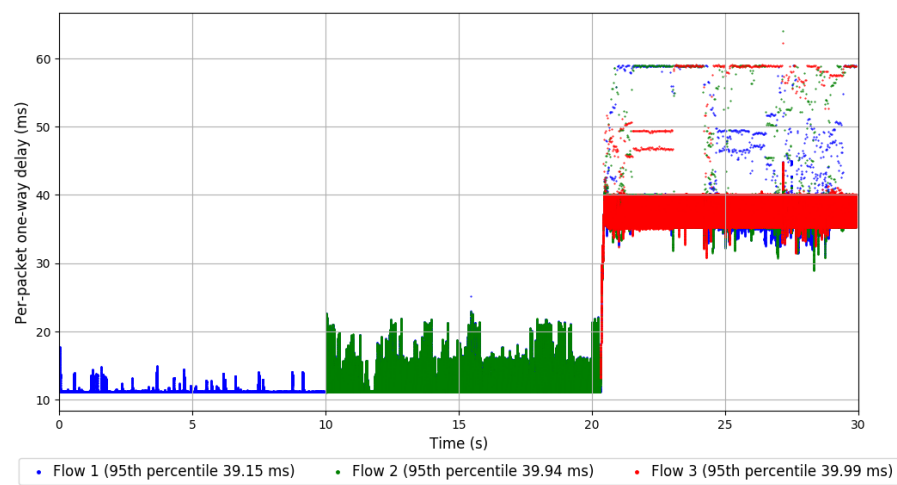
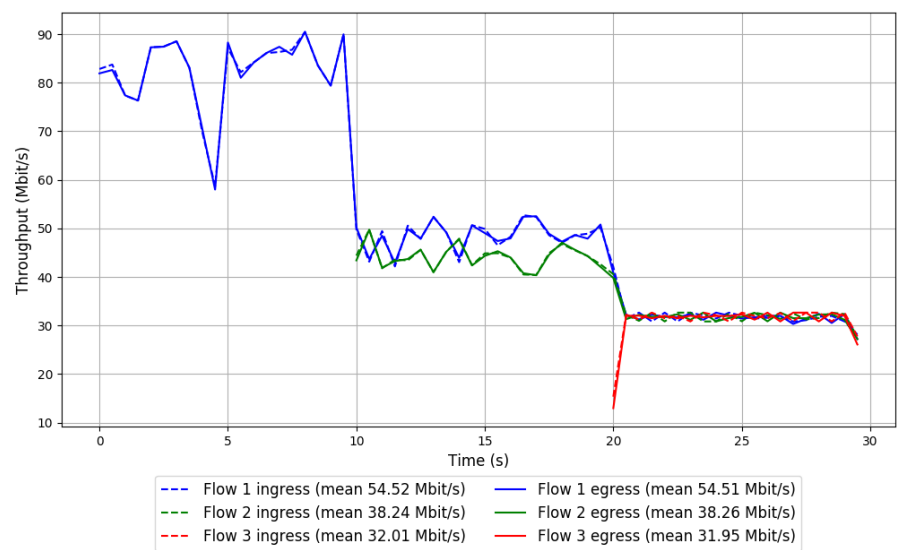


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 21:49:43
End at: 2018-01-31 21:50:13
Local clock offset: -0.054 ms
Remote clock offset: -8.812 ms

# Below is generated by plot.py at 2018-02-01 04:50:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 39.896 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 39.151 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 39.937 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 39.994 ms
Loss rate: 0.67%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 22:11:11

End at: 2018-01-31 22:11:41

Local clock offset: -0.041 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-02-01 04:50:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 31.125 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 56.14 Mbit/s

95th percentile per-packet one-way delay: 31.068 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 31.131 ms

Loss rate: 0.26%

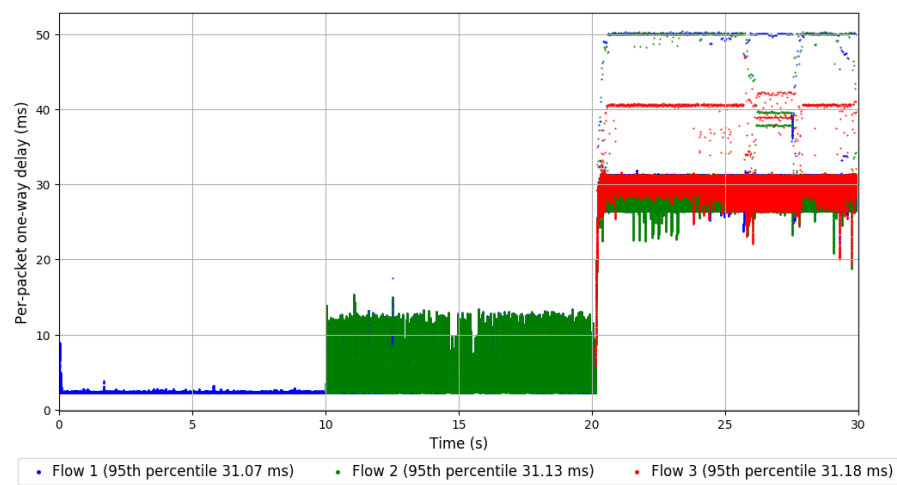
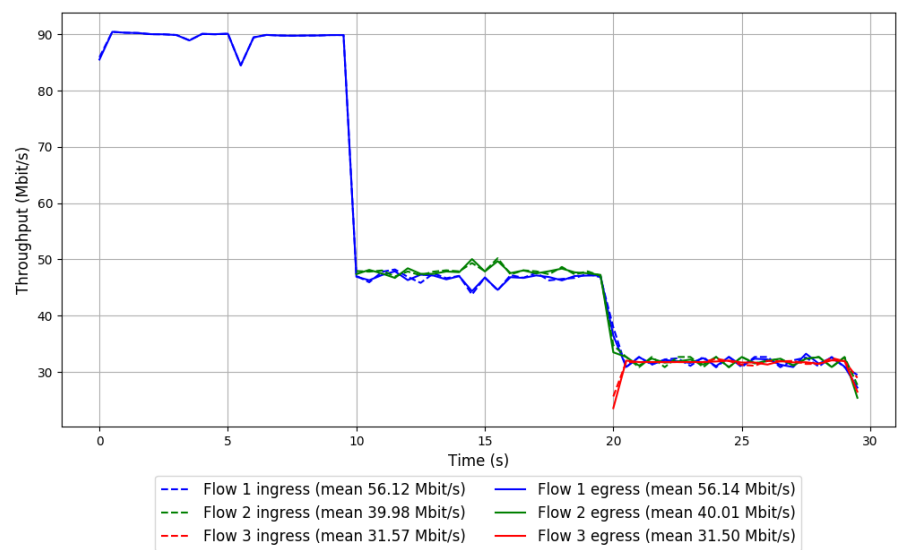
-- Flow 3:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 31.184 ms

Loss rate: 0.74%

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

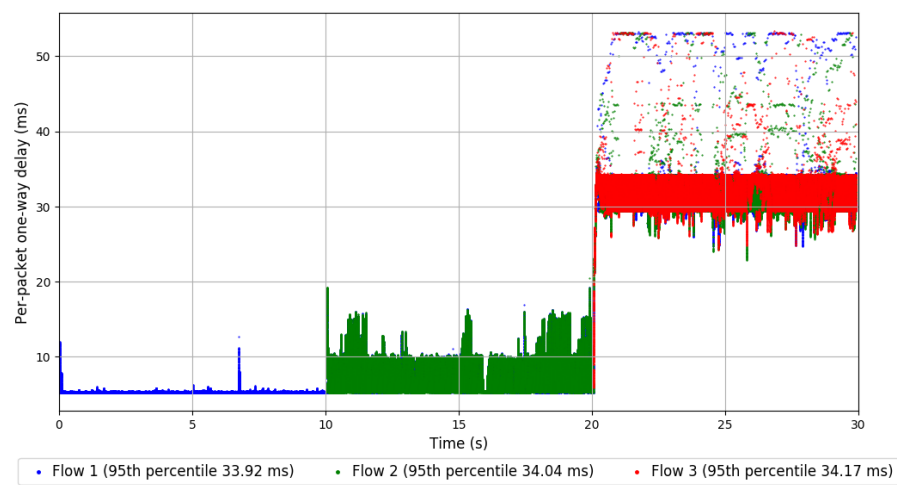
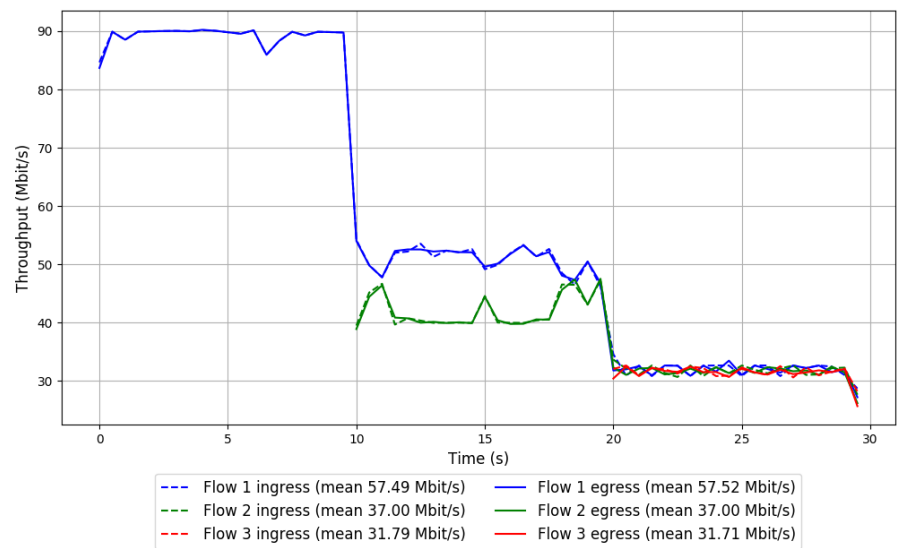


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 22:32:32
End at: 2018-01-31 22:33:02
Local clock offset: 0.014 ms
Remote clock offset: -2.451 ms

Below is generated by plot.py at 2018-02-01 04:50:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 34.056 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 33.924 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 34.043 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 34.170 ms
Loss rate: 0.72%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 22:54:18

End at: 2018-01-31 22:54:48

Local clock offset: 0.019 ms

Remote clock offset: 0.698 ms

Below is generated by plot.py at 2018-02-01 04:50:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 31.125 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 31.164 ms

Loss rate: 0.25%

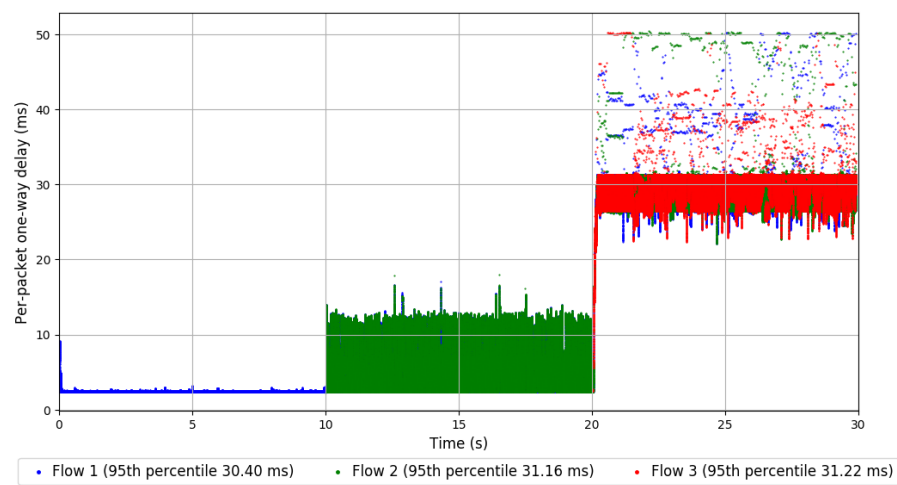
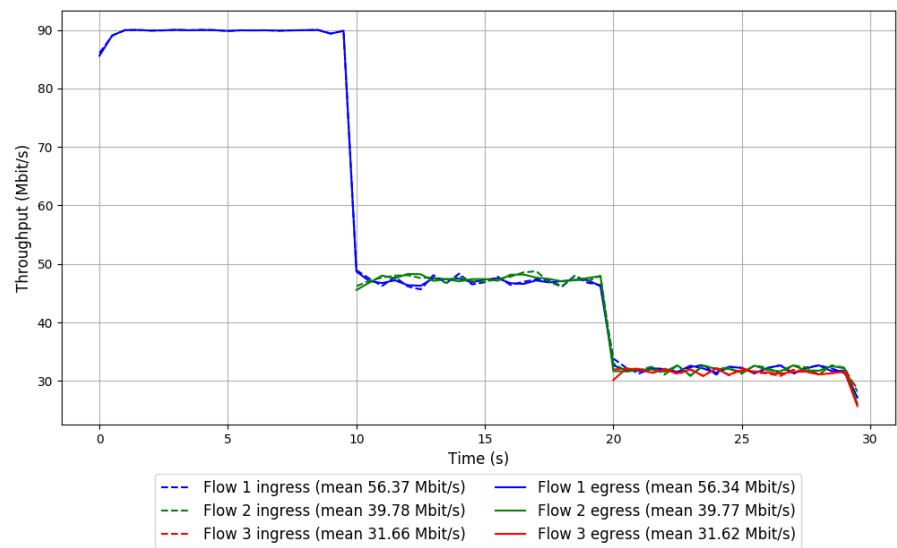
-- Flow 3:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 31.222 ms

Loss rate: 0.77%

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

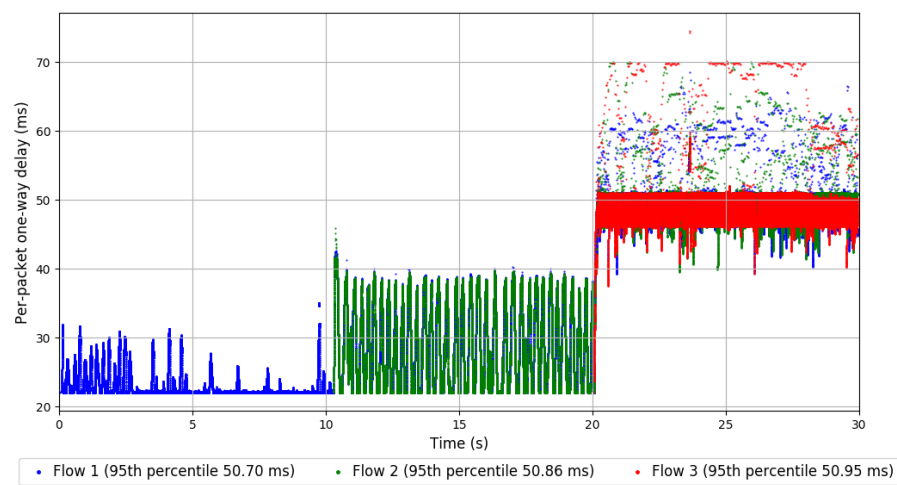
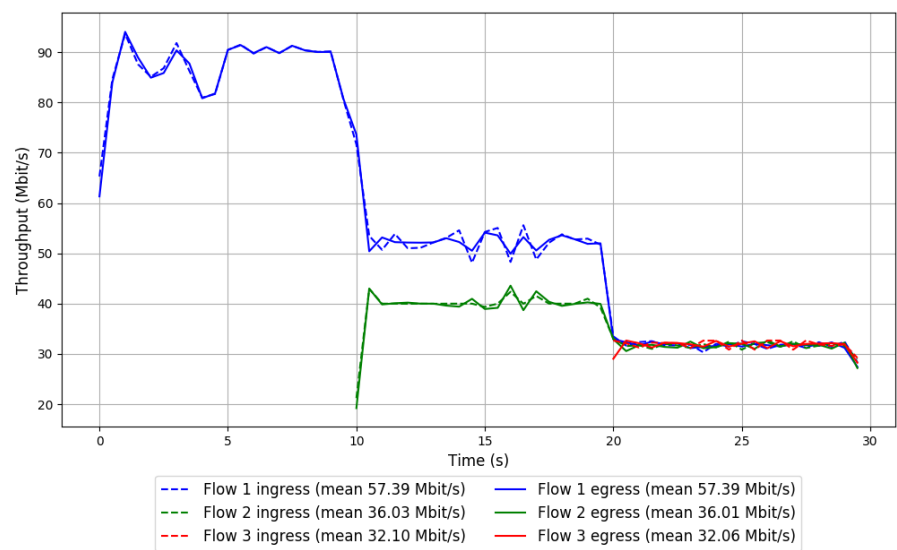


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 23:16:06
End at: 2018-01-31 23:16:36
Local clock offset: -0.026 ms
Remote clock offset: -19.125 ms

Below is generated by plot.py at 2018-02-01 04:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 50.856 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 50.698 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 50.861 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 50.953 ms
Loss rate: 0.60%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-31 23:37:57

End at: 2018-01-31 23:38:27

Local clock offset: -0.081 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-02-01 04:50:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 31.069 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 30.738 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 36.33 Mbit/s

95th percentile per-packet one-way delay: 31.081 ms

Loss rate: 0.31%

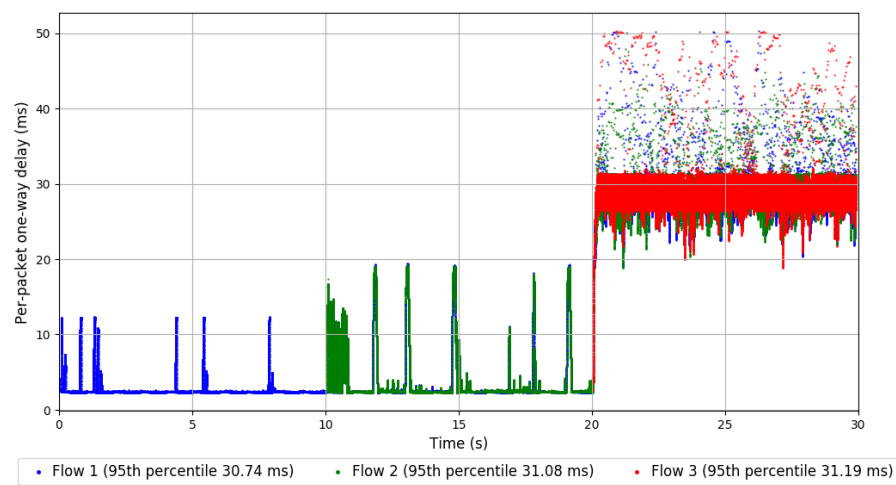
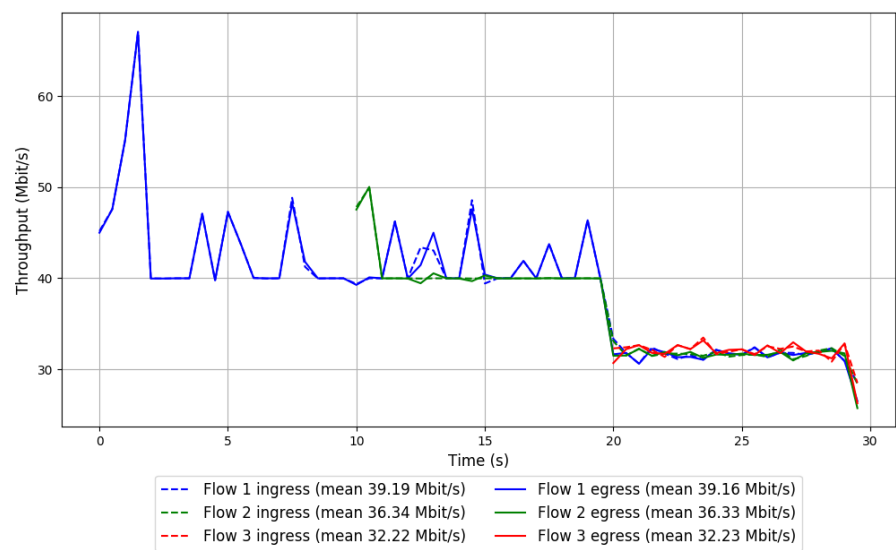
-- Flow 3:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 31.194 ms

Loss rate: 0.63%

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

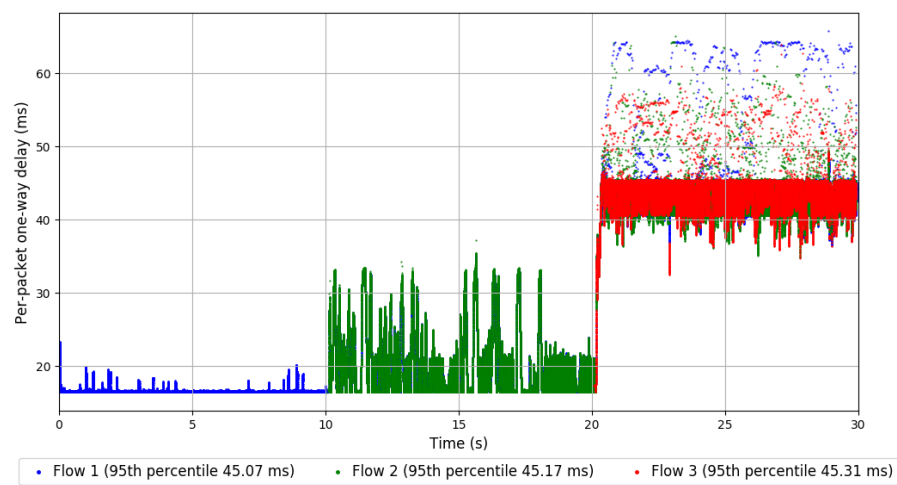
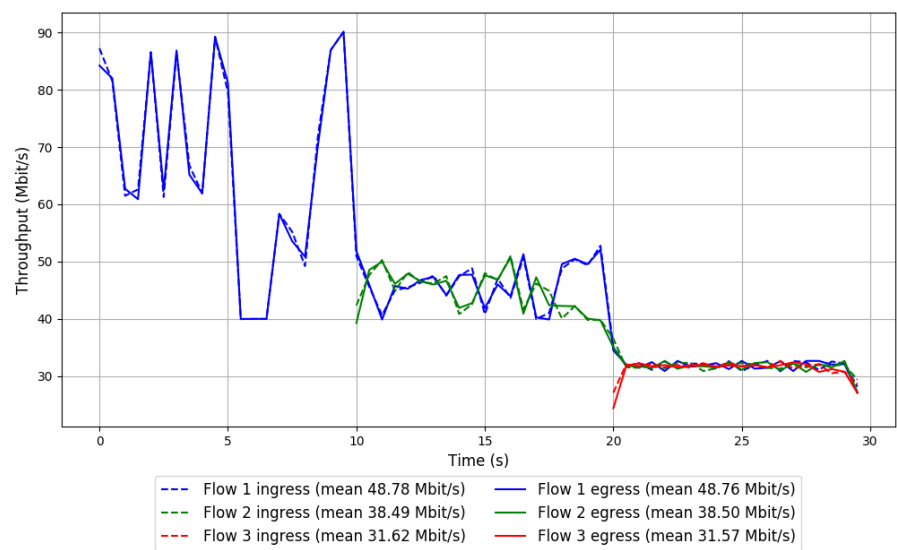


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-31 23:59:54
End at: 2018-02-01 00:00:24
Local clock offset: -0.026 ms
Remote clock offset: -13.475 ms

Below is generated by plot.py at 2018-02-01 04:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 45.206 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 45.074 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 45.168 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 45.312 ms
Loss rate: 0.71%

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

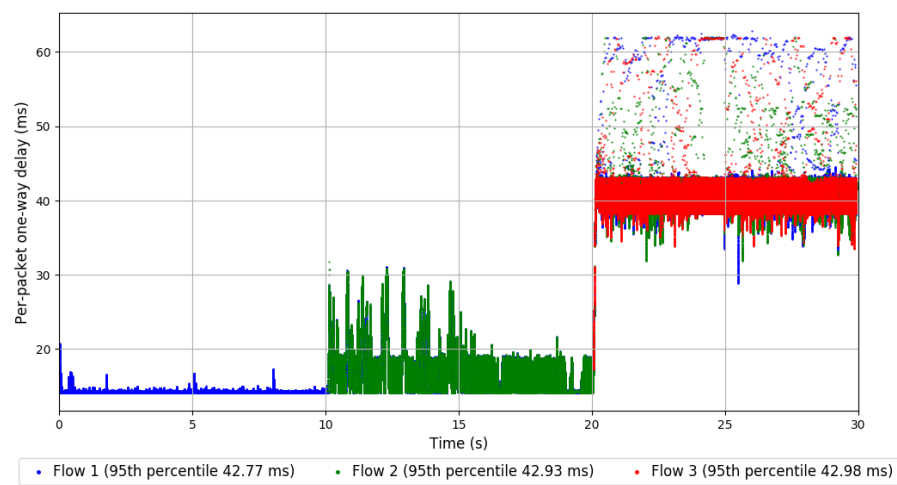
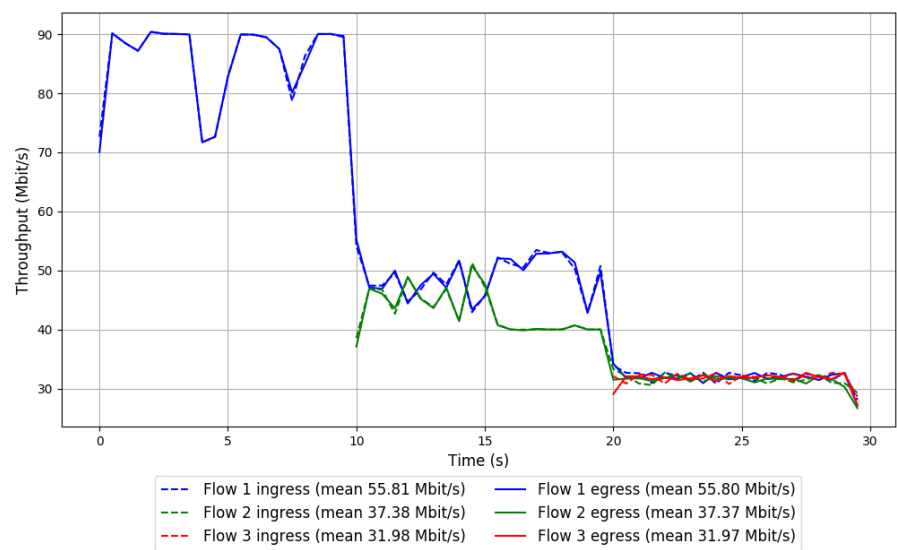


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-01 00:21:43
End at: 2018-02-01 00:22:13
Local clock offset: 0.214 ms
Remote clock offset: -10.814 ms

Below is generated by plot.py at 2018-02-01 04:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 42.910 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 42.772 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 42.926 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 42.985 ms
Loss rate: 0.76%

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

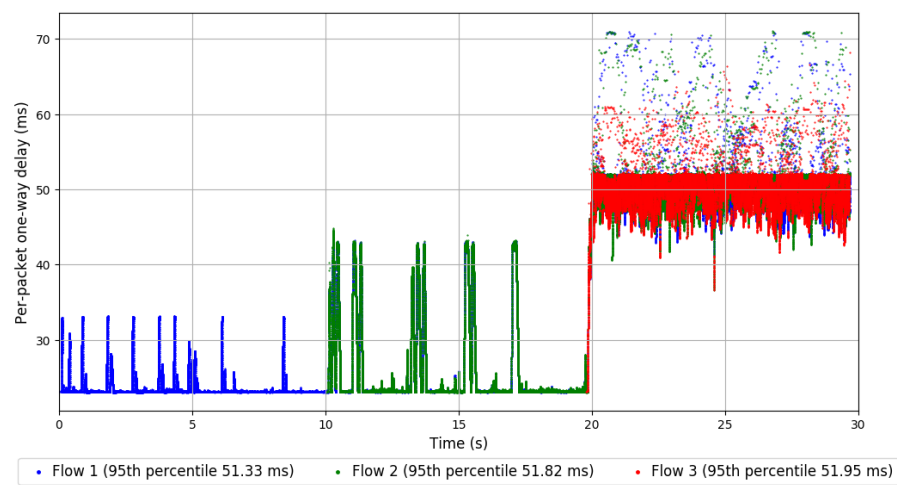
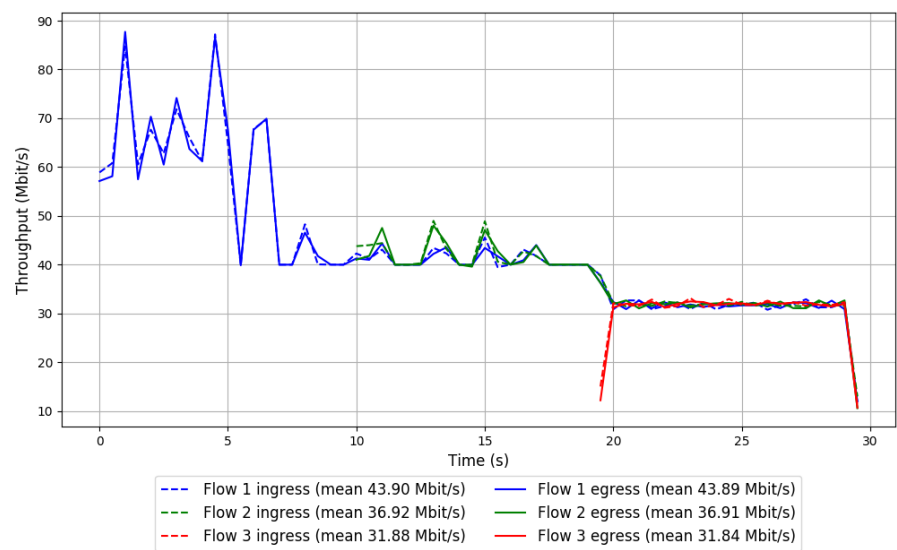


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-01 00:43:35
End at: 2018-02-01 00:44:05
Local clock offset: 0.373 ms
Remote clock offset: -19.554 ms

Below is generated by plot.py at 2018-02-01 04:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 51.330 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 51.821 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 51.948 ms
Loss rate: 0.65%

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

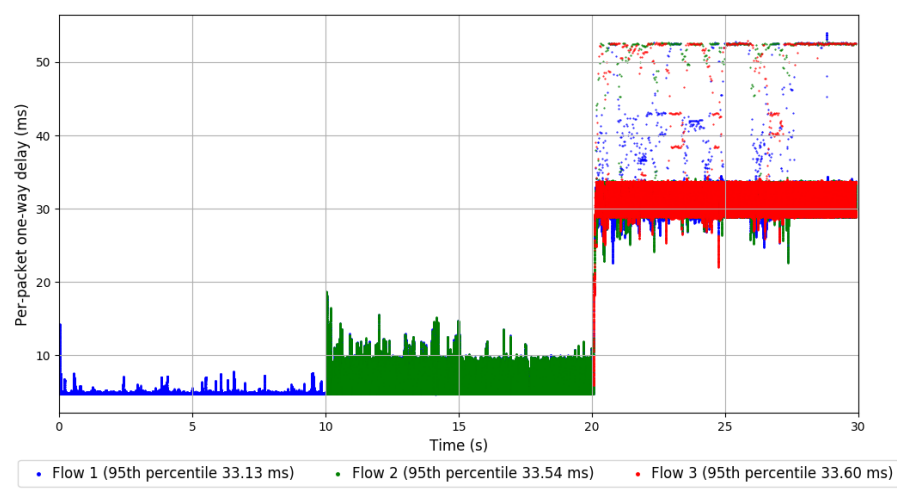
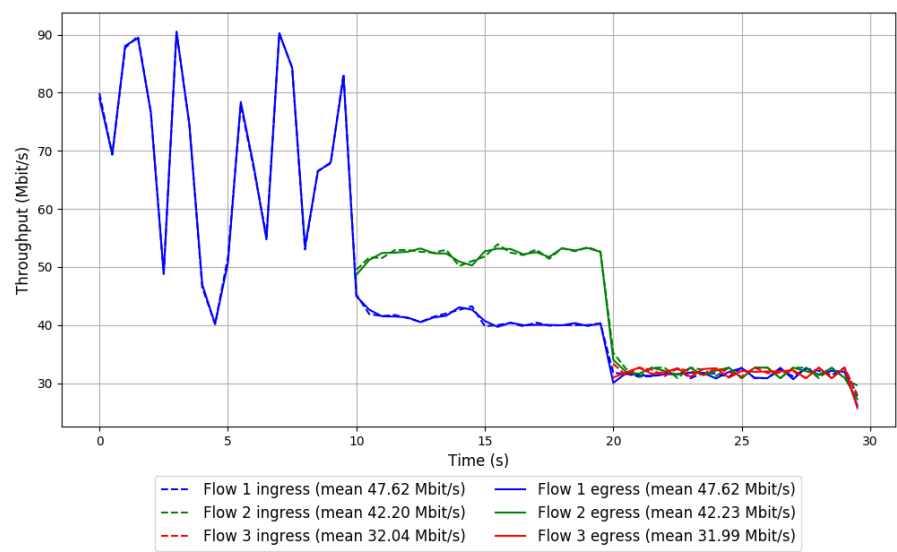


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-01 01:06:11
End at: 2018-02-01 01:06:41
Local clock offset: 0.519 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2018-02-01 04:52:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 33.522 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 33.126 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 33.543 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 33.602 ms
Loss rate: 0.65%

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

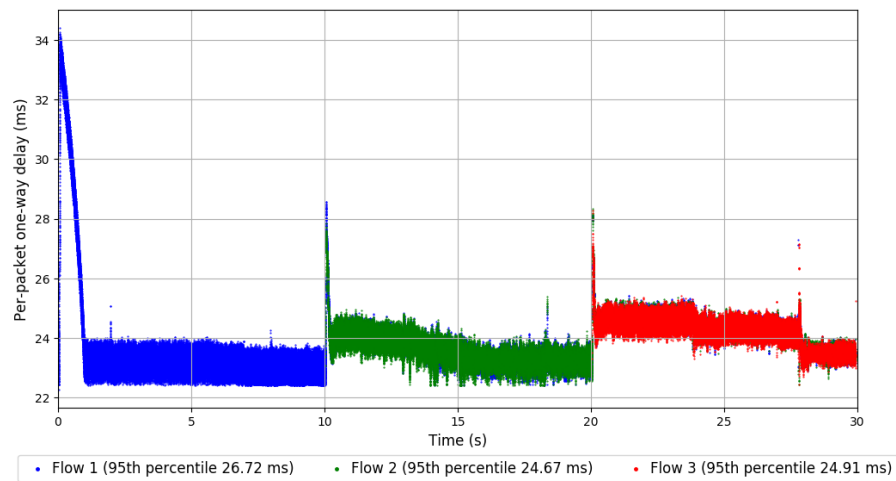
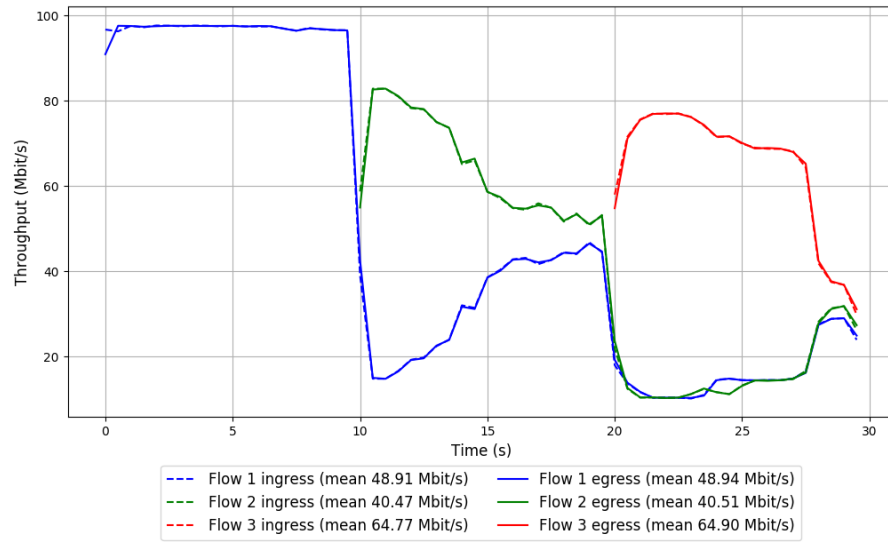


Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 21:32:21
End at: 2018-01-31 21:32:51
Local clock offset: -0.057 ms
Remote clock offset: -20.225 ms

Below is generated by plot.py at 2018-02-01 04:52:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 24.937 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 26.718 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 24.667 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 24.915 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 21:54:32

End at: 2018-01-31 21:55:02

Local clock offset: -0.059 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-02-01 04:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.35 Mbit/s

95th percentile per-packet one-way delay: 3.942 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 60.56 Mbit/s

95th percentile per-packet one-way delay: 5.407 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 41.68 Mbit/s

95th percentile per-packet one-way delay: 3.821 ms

Loss rate: 0.02%

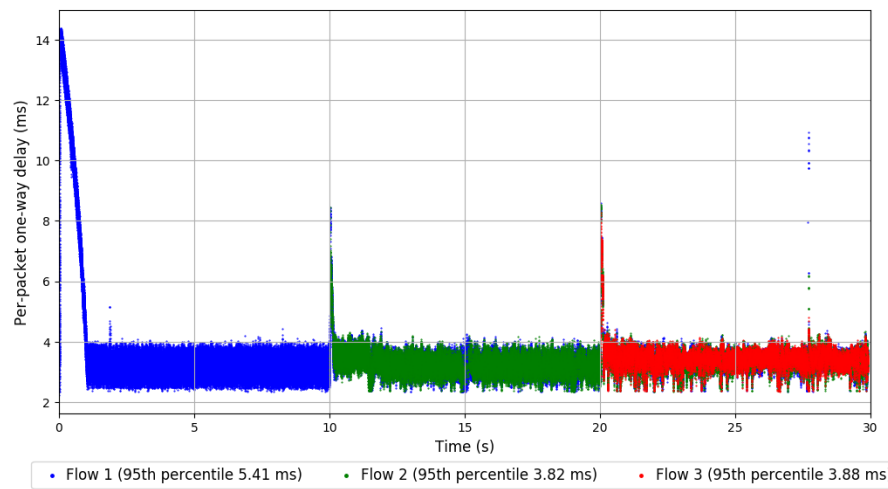
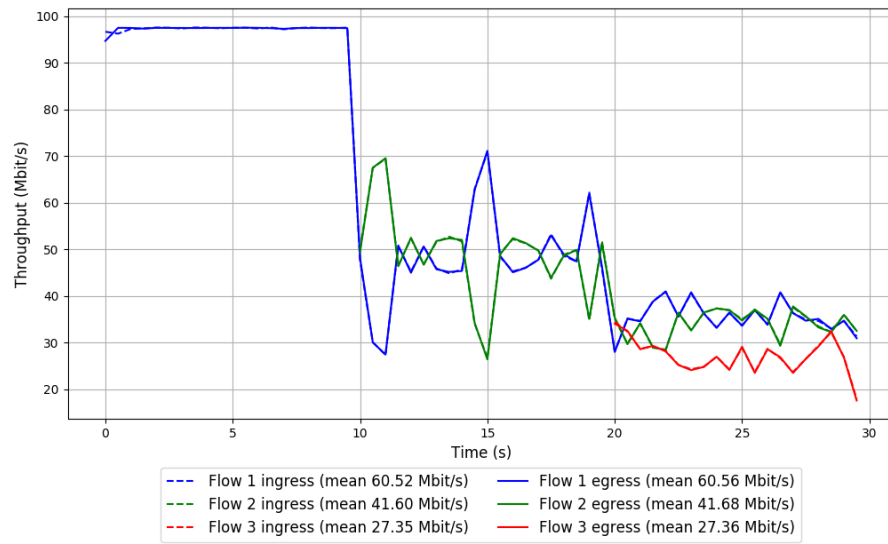
-- Flow 3:

Average throughput: 27.36 Mbit/s

95th percentile per-packet one-way delay: 3.875 ms

Loss rate: 0.21%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 22:16:01

End at: 2018-01-31 22:16:31

Local clock offset: -0.019 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-02-01 04:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.29 Mbit/s

95th percentile per-packet one-way delay: 4.455 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 72.36 Mbit/s

95th percentile per-packet one-way delay: 5.941 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 4.923 ms

Loss rate: 0.04%

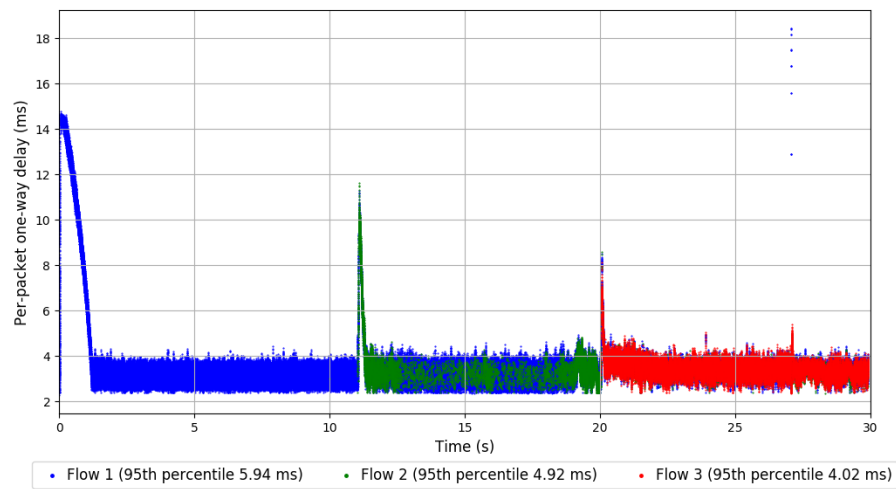
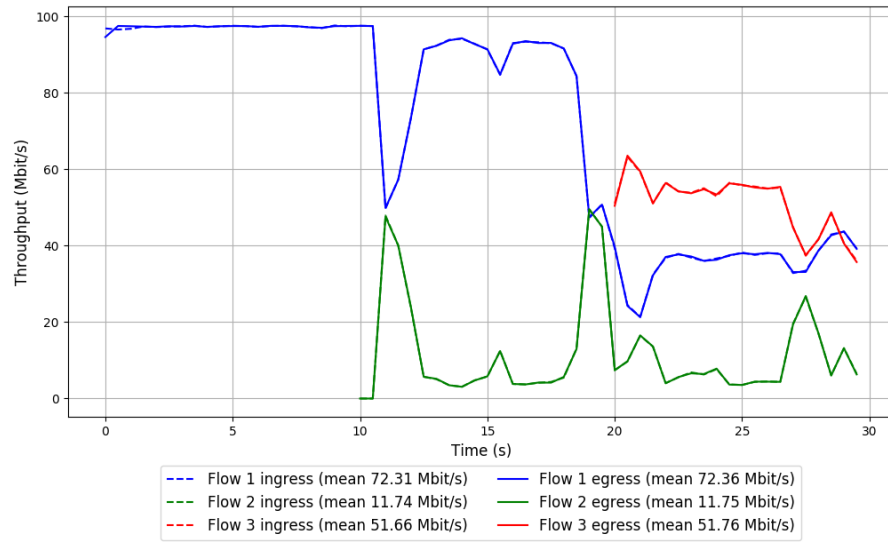
-- Flow 3:

Average throughput: 51.76 Mbit/s

95th percentile per-packet one-way delay: 4.016 ms

Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 22:37:23

End at: 2018-01-31 22:37:53

Local clock offset: -0.06 ms

Remote clock offset: 0.545 ms

Below is generated by plot.py at 2018-02-01 04:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 4.952 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 55.14 Mbit/s

95th percentile per-packet one-way delay: 10.471 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 4.065 ms

Loss rate: 0.03%

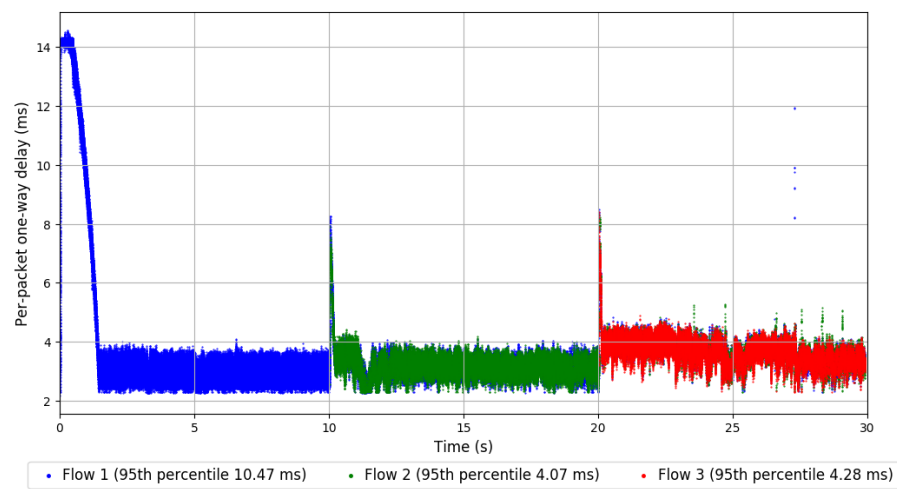
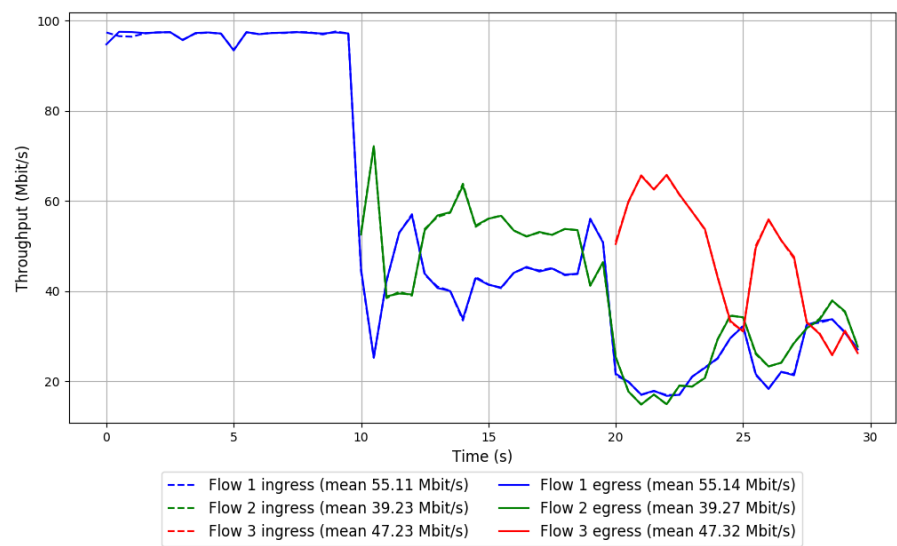
-- Flow 3:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 4.283 ms

Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-31 22:59:10

End at: 2018-01-31 22:59:40

Local clock offset: -0.009 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2018-02-01 04:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 14.261 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.78 Mbit/s

95th percentile per-packet one-way delay: 14.301 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 54.74 Mbit/s

95th percentile per-packet one-way delay: 3.961 ms

Loss rate: 0.03%

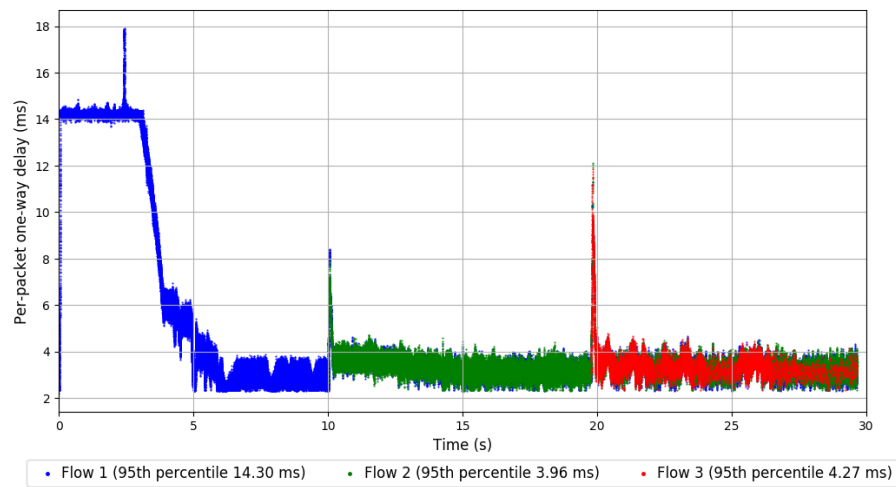
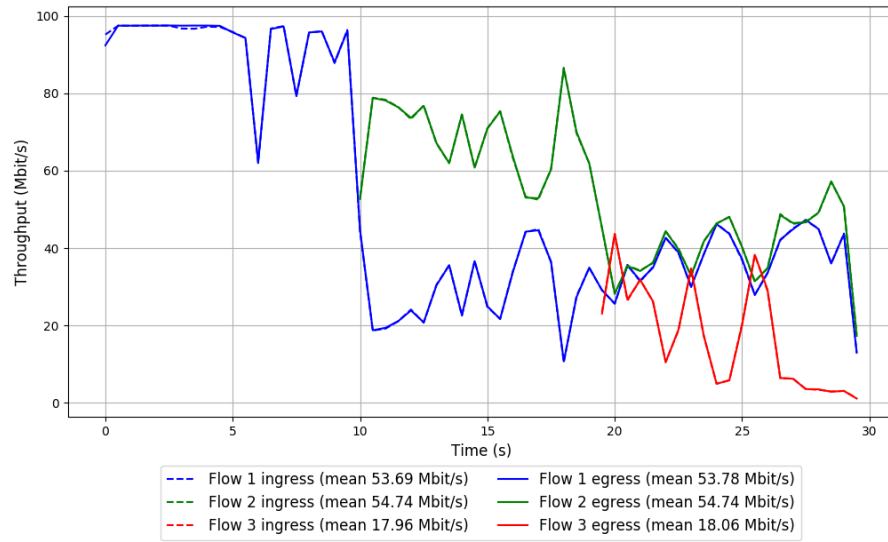
-- Flow 3:

Average throughput: 18.06 Mbit/s

95th percentile per-packet one-way delay: 4.268 ms

Loss rate: 0.03%

Run 5: Report of TCP Vegas — Data Link

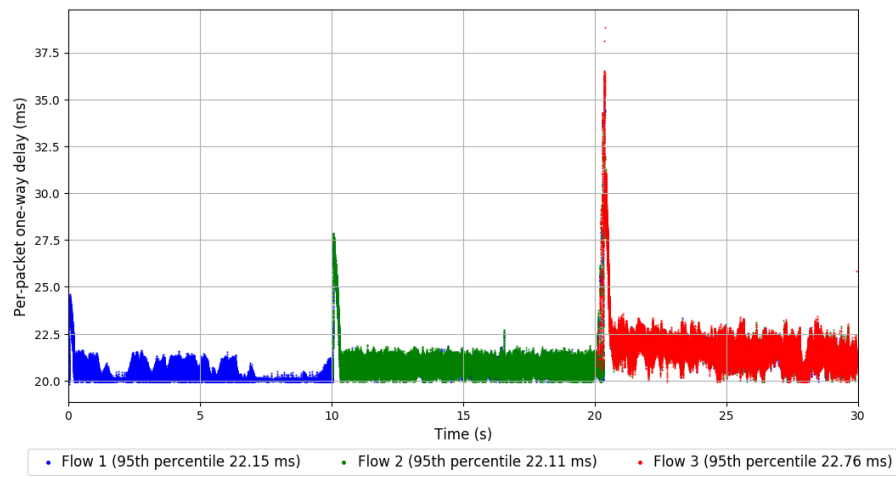
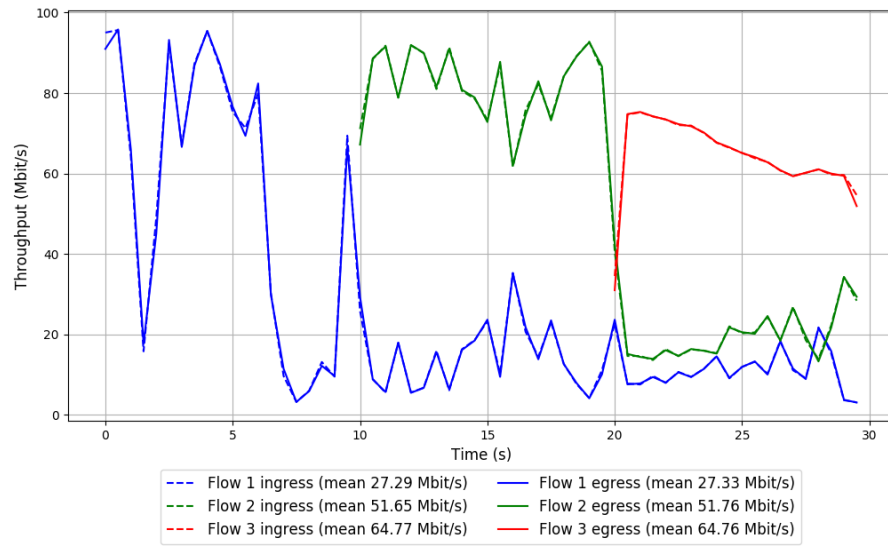


Run 6: Statistics of TCP Vegas

Start at: 2018-01-31 23:21:03
End at: 2018-01-31 23:21:33
Local clock offset: -0.044 ms
Remote clock offset: -17.006 ms

Below is generated by plot.py at 2018-02-01 04:52:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 22.149 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 22.115 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 22.761 ms
Loss rate: 0.42%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-31 23:42:50

End at: 2018-01-31 23:43:20

Local clock offset: -0.114 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-02-01 04:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 4.611 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 41.42 Mbit/s

95th percentile per-packet one-way delay: 7.274 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 17.15 Mbit/s

95th percentile per-packet one-way delay: 3.785 ms

Loss rate: 0.17%

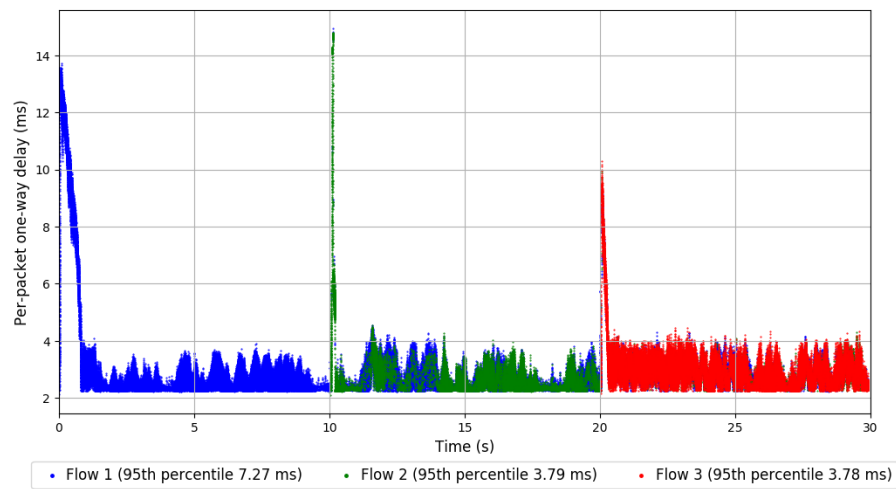
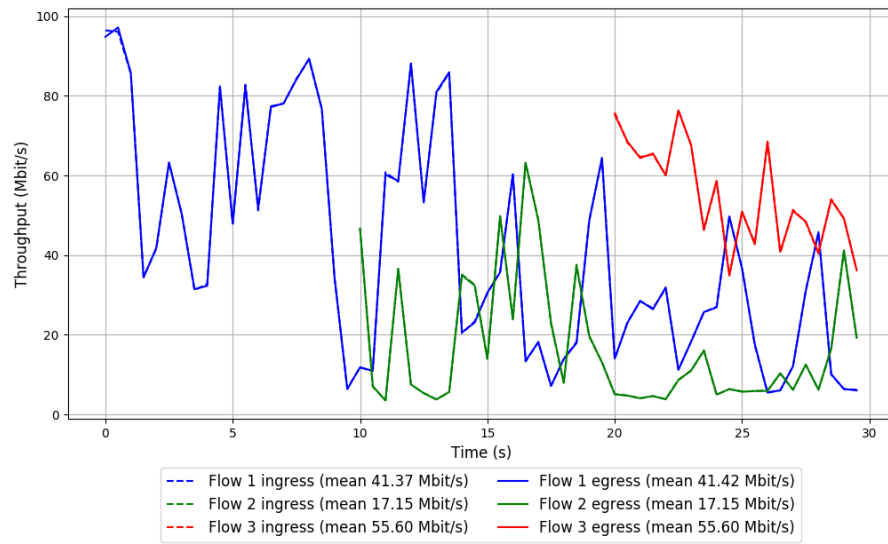
-- Flow 3:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 3.784 ms

Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-01 00:04:53

End at: 2018-02-01 00:05:23

Local clock offset: 0.056 ms

Remote clock offset: 0.735 ms

Below is generated by plot.py at 2018-02-01 04:52:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.70 Mbit/s

95th percentile per-packet one-way delay: 15.062 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 35.07 Mbit/s

95th percentile per-packet one-way delay: 11.553 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 11.09 Mbit/s

95th percentile per-packet one-way delay: 4.030 ms

Loss rate: 0.04%

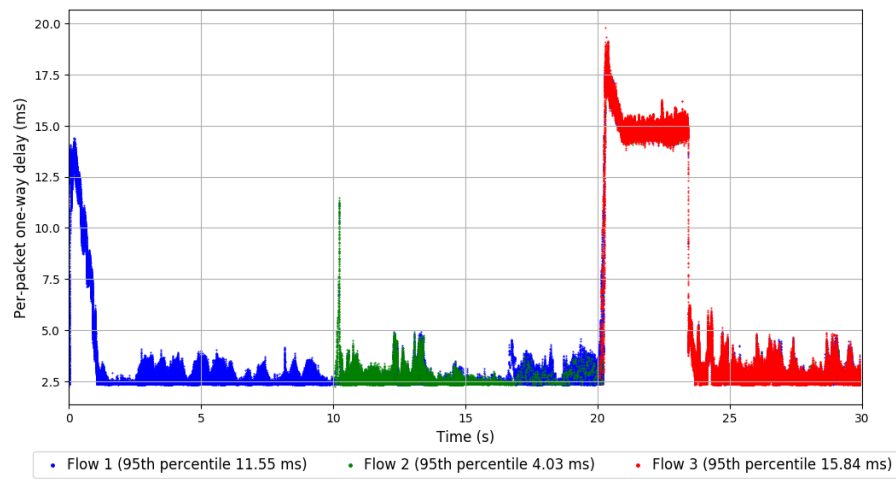
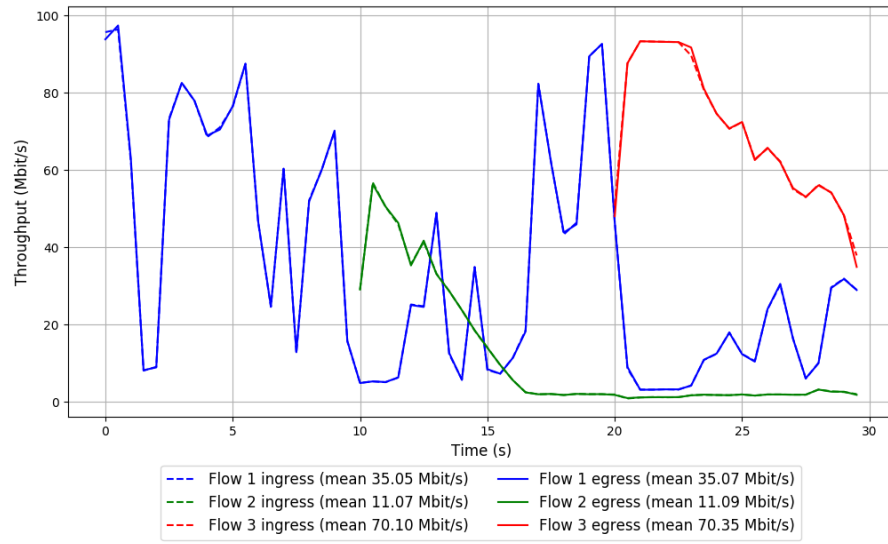
-- Flow 3:

Average throughput: 70.35 Mbit/s

95th percentile per-packet one-way delay: 15.838 ms

Loss rate: 0.23%

Run 8: Report of TCP Vegas — Data Link

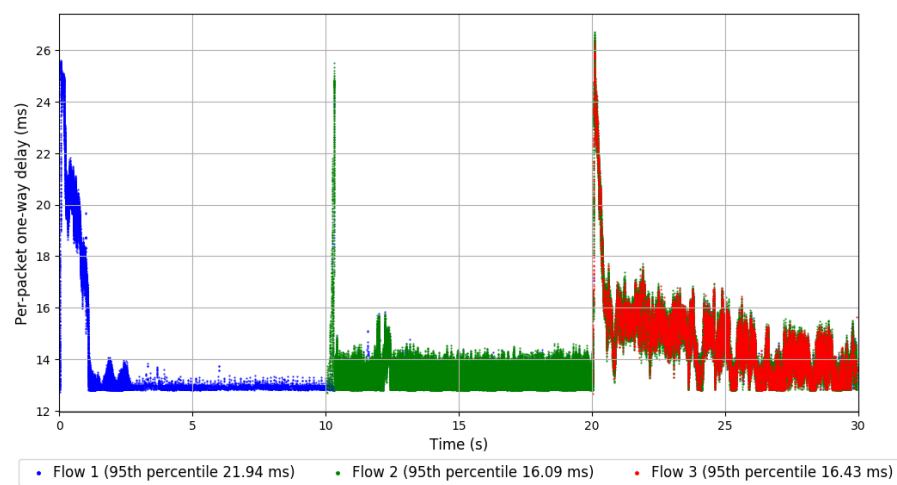
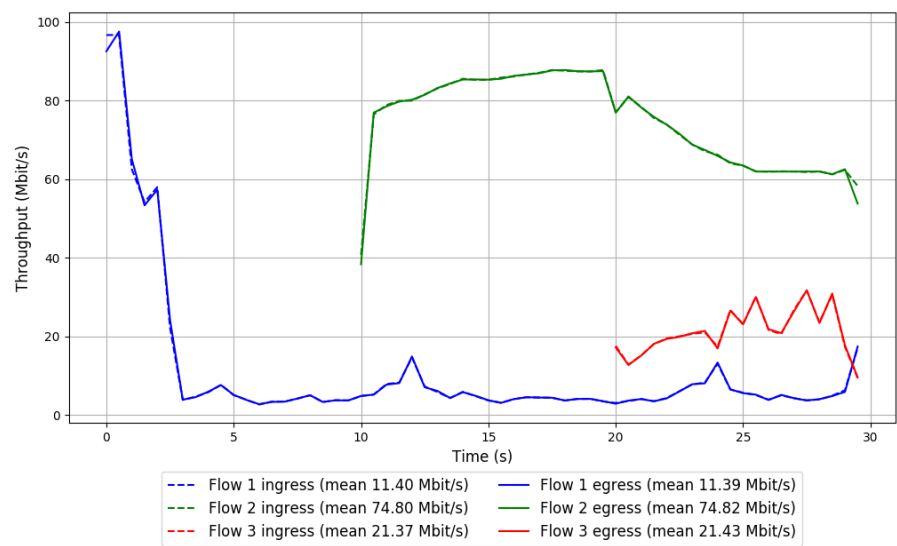


Run 9: Statistics of TCP Vegas

Start at: 2018-02-01 00:26:44
End at: 2018-02-01 00:27:14
Local clock offset: 0.265 ms
Remote clock offset: -9.403 ms

Below is generated by plot.py at 2018-02-01 04:52:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 18.762 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 21.941 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 16.085 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 16.434 ms
Loss rate: 0.03%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-01 00:48:28

End at: 2018-02-01 00:48:58

Local clock offset: 0.391 ms

Remote clock offset: 1.127 ms

Below is generated by plot.py at 2018-02-01 04:53:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.45 Mbit/s

95th percentile per-packet one-way delay: 14.830 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 15.424 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.64 Mbit/s

95th percentile per-packet one-way delay: 19.954 ms

Loss rate: 0.17%

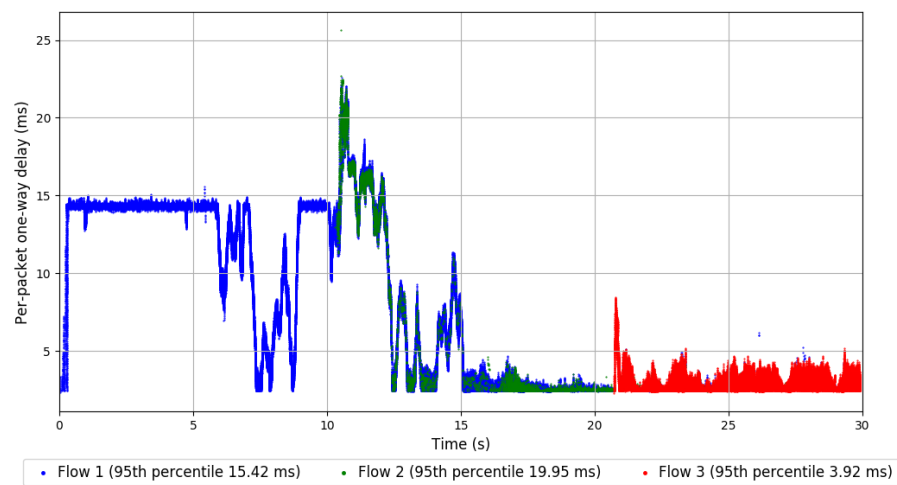
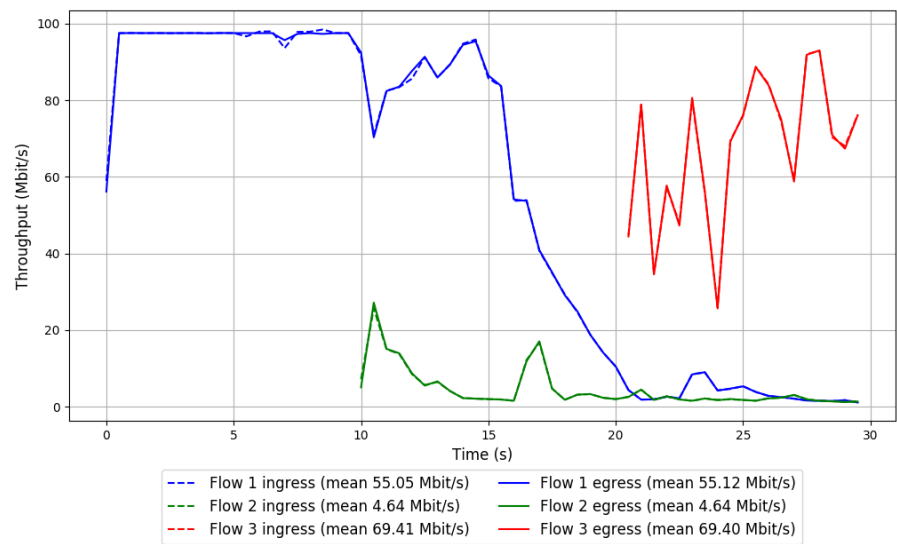
-- Flow 3:

Average throughput: 69.40 Mbit/s

95th percentile per-packet one-way delay: 3.921 ms

Loss rate: 0.07%

Run 10: Report of TCP Vegas — Data Link

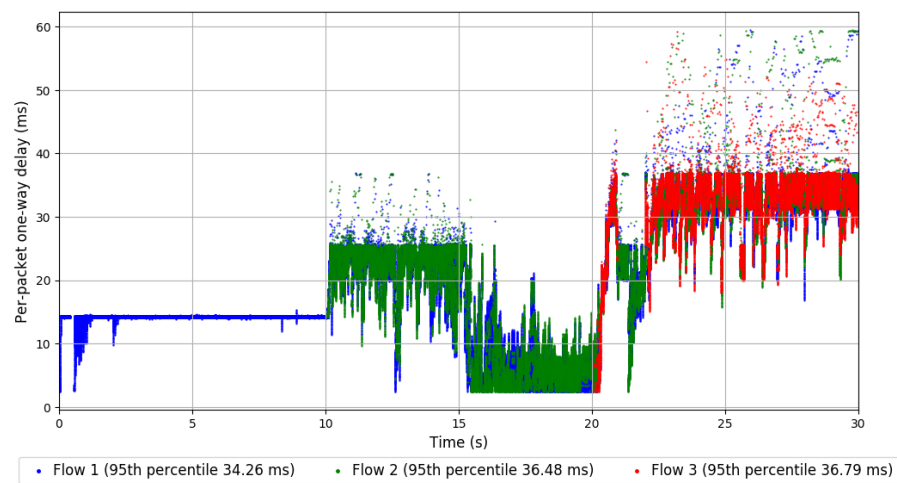
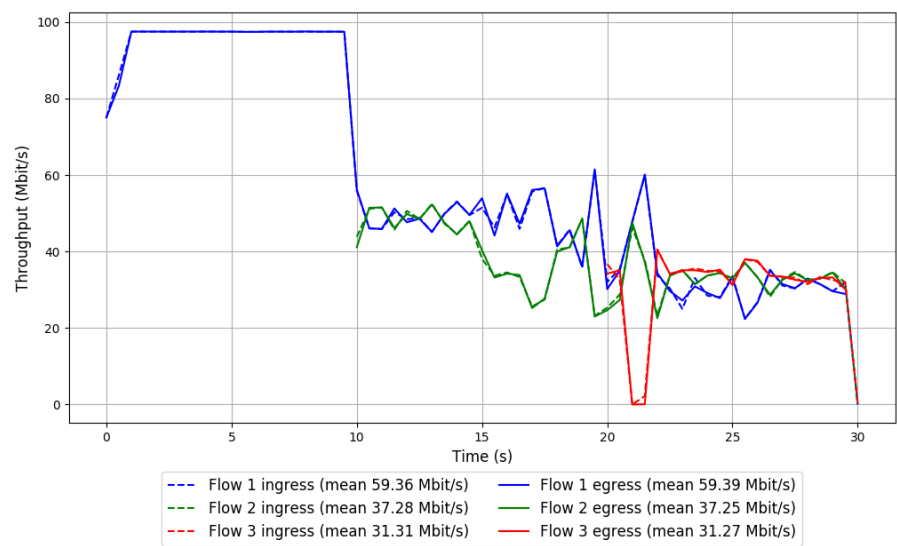


Run 1: Statistics of Verus

Start at: 2018-01-31 21:43:44
End at: 2018-01-31 21:44:14
Local clock offset: 0.005 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-02-01 04:53:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 36.022 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 34.257 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 36.476 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 36.792 ms
Loss rate: 0.65%

Run 1: Report of Verus — Data Link

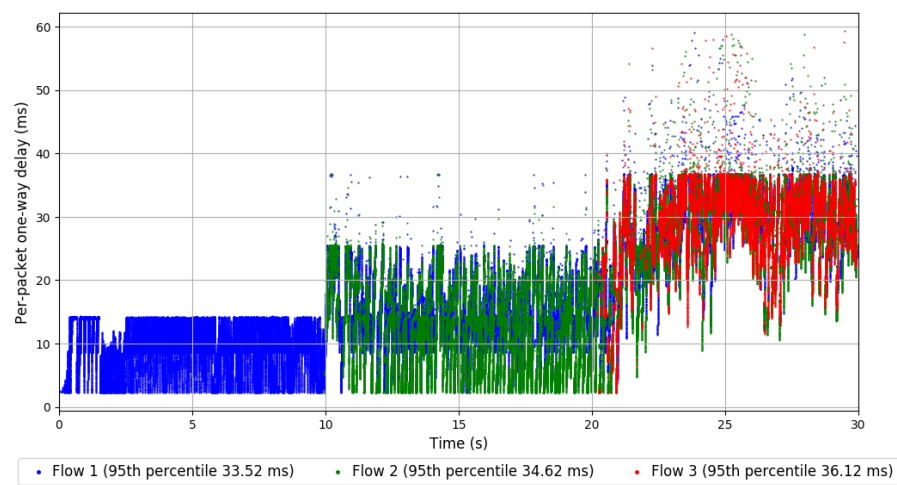
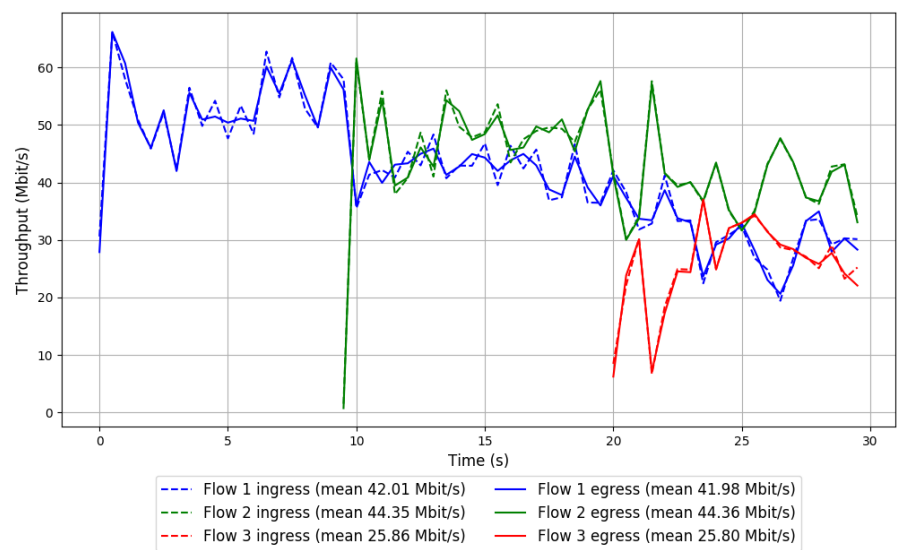


Run 2: Statistics of Verus

Start at: 2018-01-31 22:05:13
End at: 2018-01-31 22:05:43
Local clock offset: -0.044 ms
Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-02-01 04:53:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 34.669 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 33.515 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 36.123 ms
Loss rate: 0.87%

Run 2: Report of Verus — Data Link

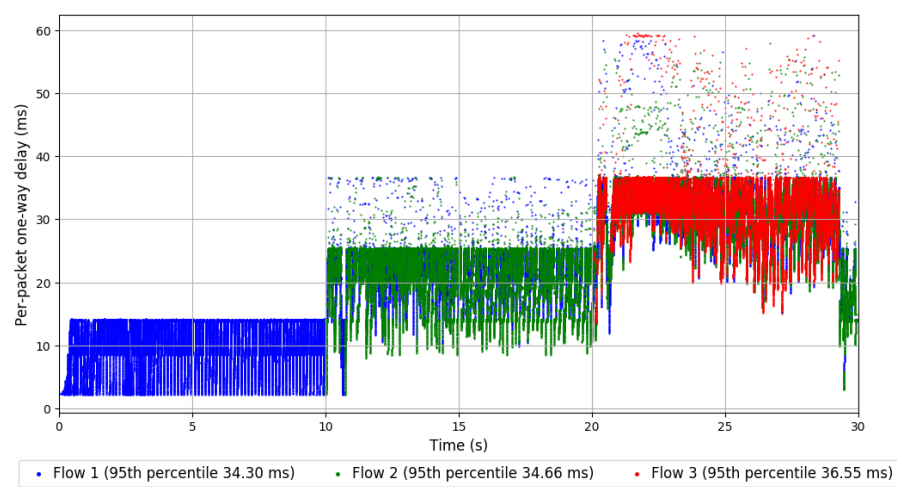
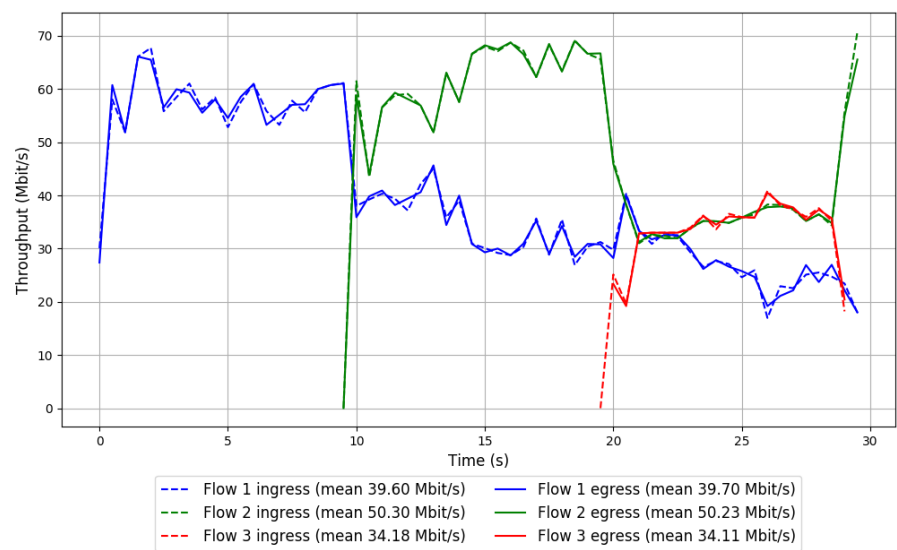


Run 3: Statistics of Verus

Start at: 2018-01-31 22:26:39
End at: 2018-01-31 22:27:09
Local clock offset: -0.068 ms
Remote clock offset: 0.421 ms

Below is generated by plot.py at 2018-02-01 04:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 34.295 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 34.662 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-31 22:47:57

End at: 2018-01-31 22:48:27

Local clock offset: -0.058 ms

Remote clock offset: 0.613 ms

Below is generated by plot.py at 2018-02-01 04:54:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 35.183 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 56.58 Mbit/s

95th percentile per-packet one-way delay: 34.131 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 35.483 ms

Loss rate: 0.24%

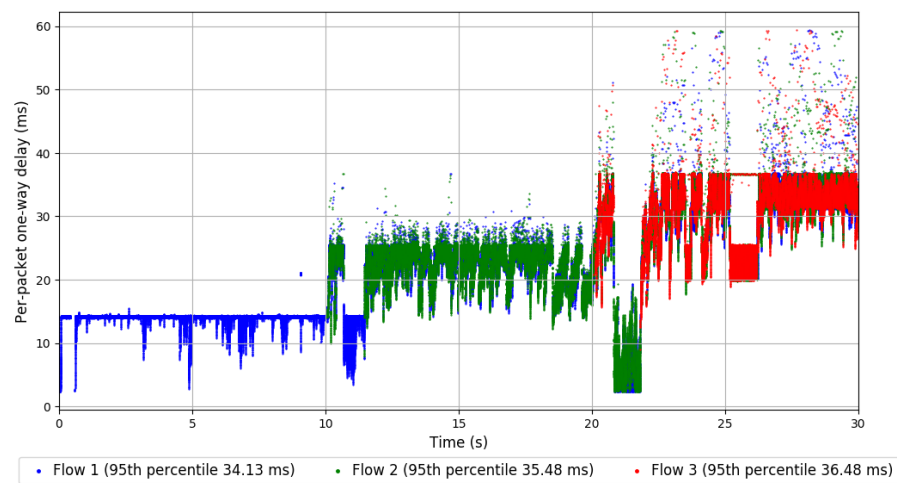
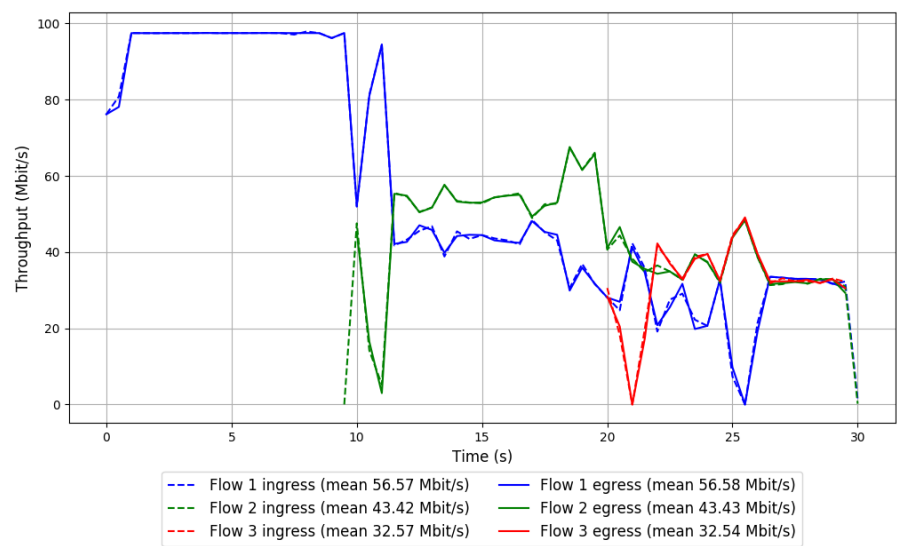
-- Flow 3:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 36.483 ms

Loss rate: 0.63%

Run 4: Report of Verus — Data Link

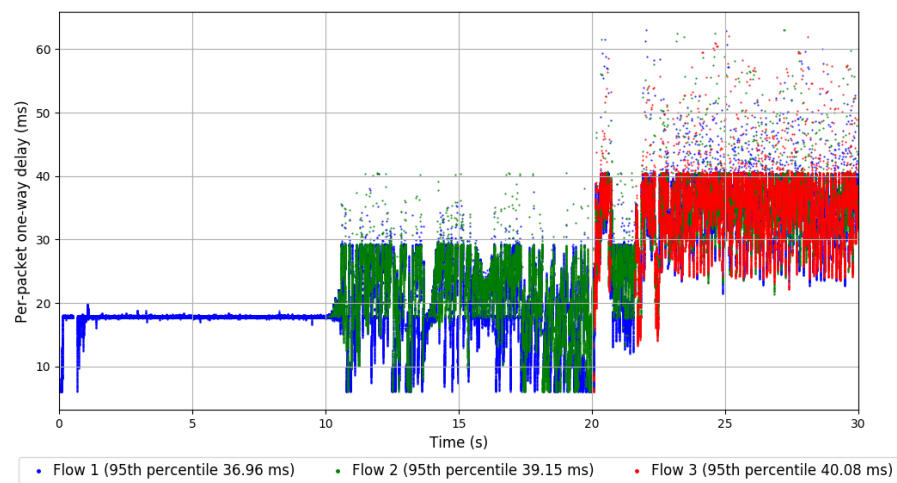
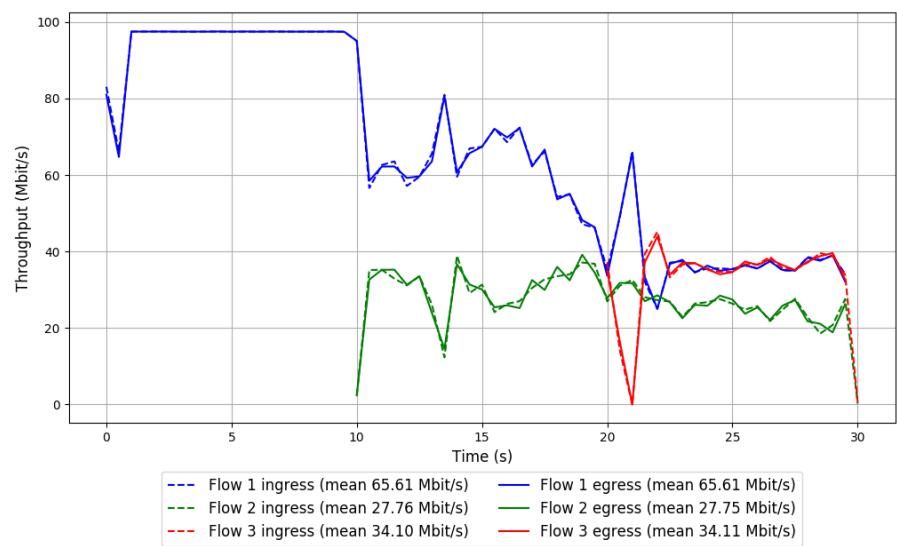


Run 5: Statistics of Verus

Start at: 2018-01-31 23:09:55
End at: 2018-01-31 23:10:25
Local clock offset: -0.028 ms
Remote clock offset: -3.075 ms

Below is generated by plot.py at 2018-02-01 04:54:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 38.576 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 36.959 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 39.146 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 40.080 ms
Loss rate: 0.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-31 23:31:48

End at: 2018-01-31 23:32:18

Local clock offset: -0.05 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-02-01 04:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 35.332 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 56.18 Mbit/s

95th percentile per-packet one-way delay: 33.762 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 35.941 ms

Loss rate: 0.44%

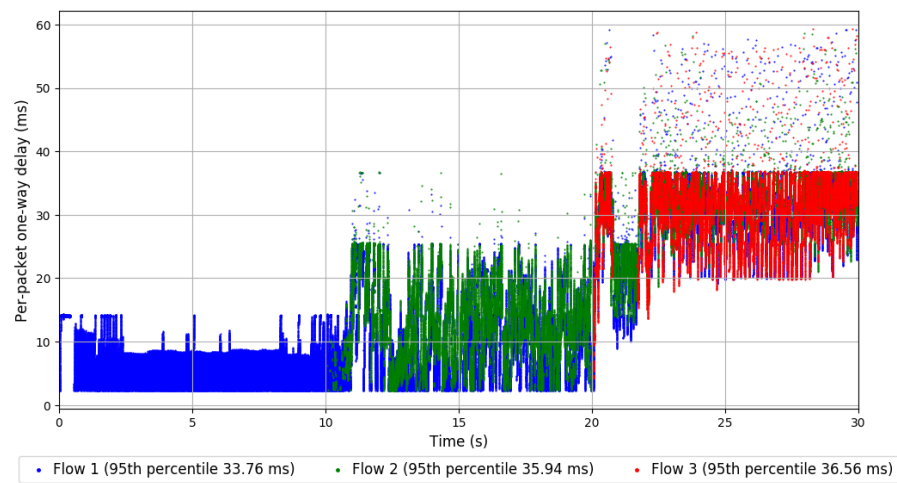
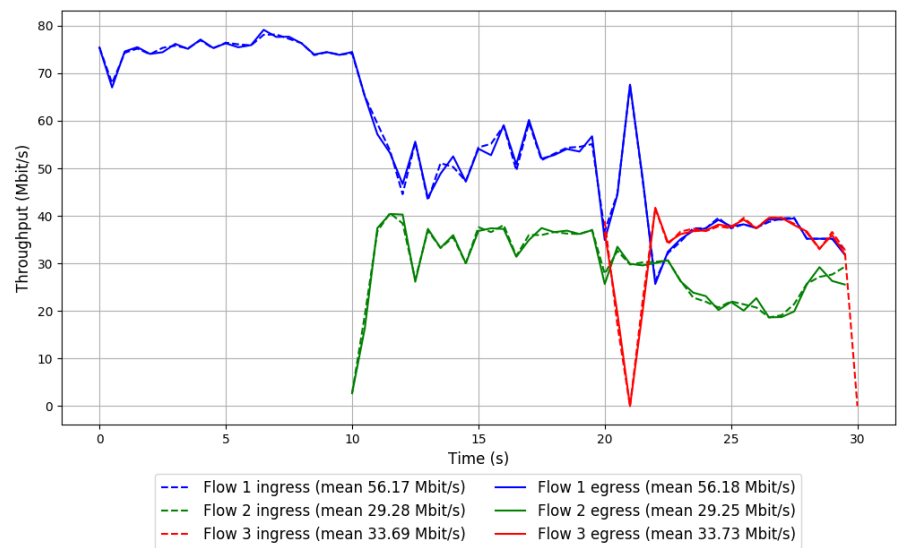
-- Flow 3:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 36.560 ms

Loss rate: 0.54%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-31 23:53:28

End at: 2018-01-31 23:53:58

Local clock offset: -0.005 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at 2018-02-01 04:54:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.69 Mbit/s

95th percentile per-packet one-way delay: 36.183 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 33.992 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 37.00 Mbit/s

95th percentile per-packet one-way delay: 36.601 ms

Loss rate: 0.30%

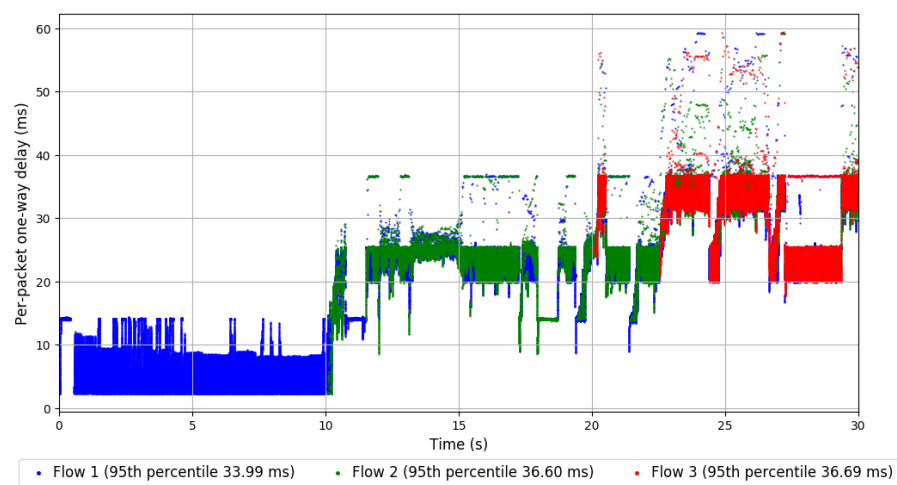
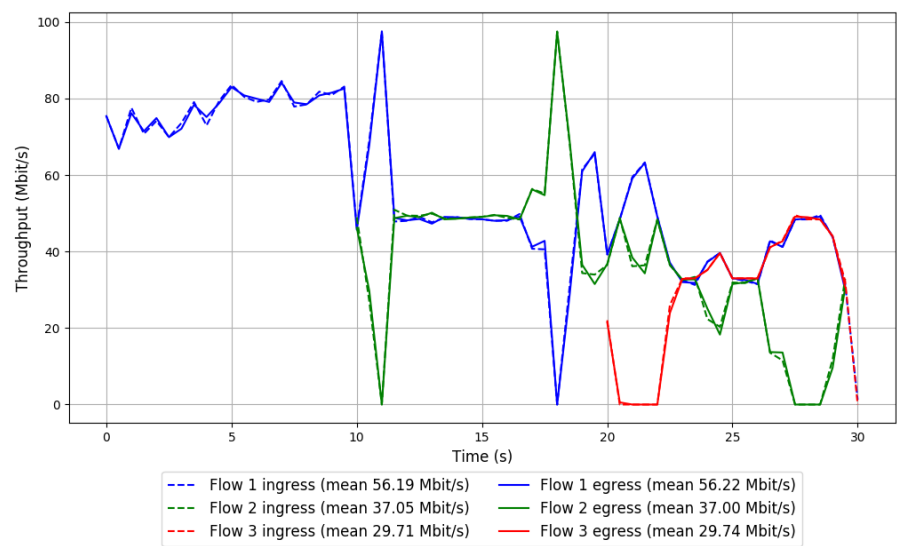
-- Flow 3:

Average throughput: 29.74 Mbit/s

95th percentile per-packet one-way delay: 36.685 ms

Loss rate: 0.62%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-01 00:15:36

End at: 2018-02-01 00:16:06

Local clock offset: 0.18 ms

Remote clock offset: -4.26 ms

Below is generated by plot.py at 2018-02-01 04:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.83 Mbit/s

95th percentile per-packet one-way delay: 41.139 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 39.154 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 41.796 ms

Loss rate: 0.29%

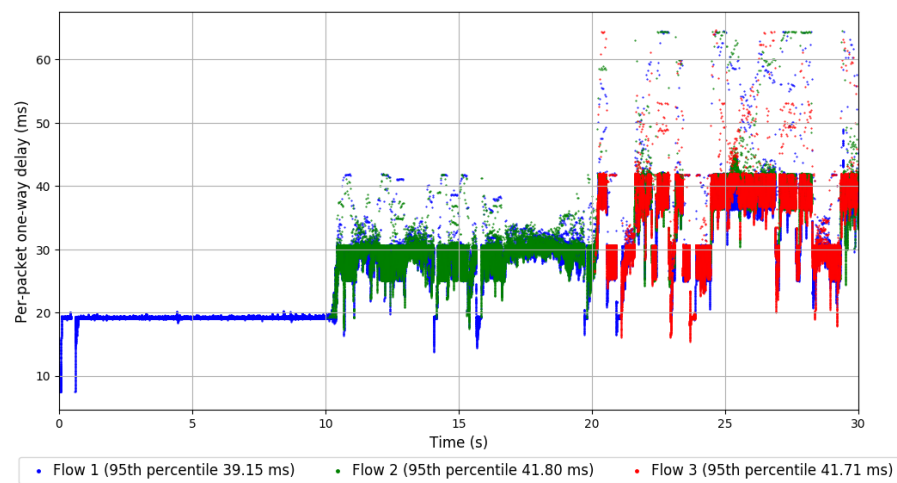
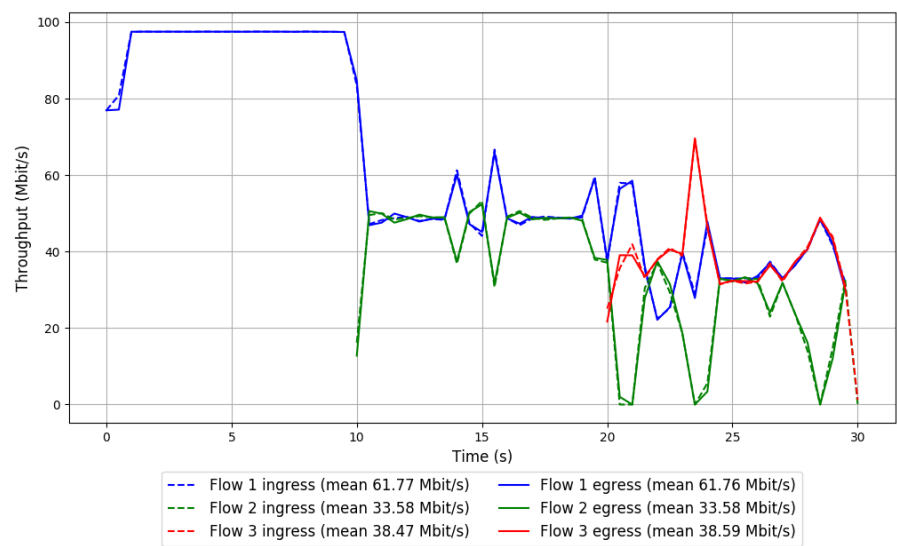
-- Flow 3:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 41.708 ms

Loss rate: 0.64%

Run 8: Report of Verus — Data Link

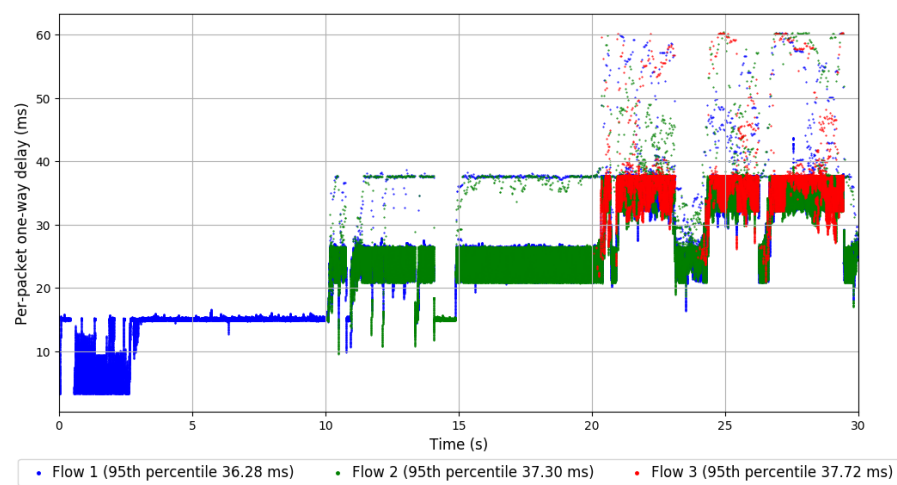
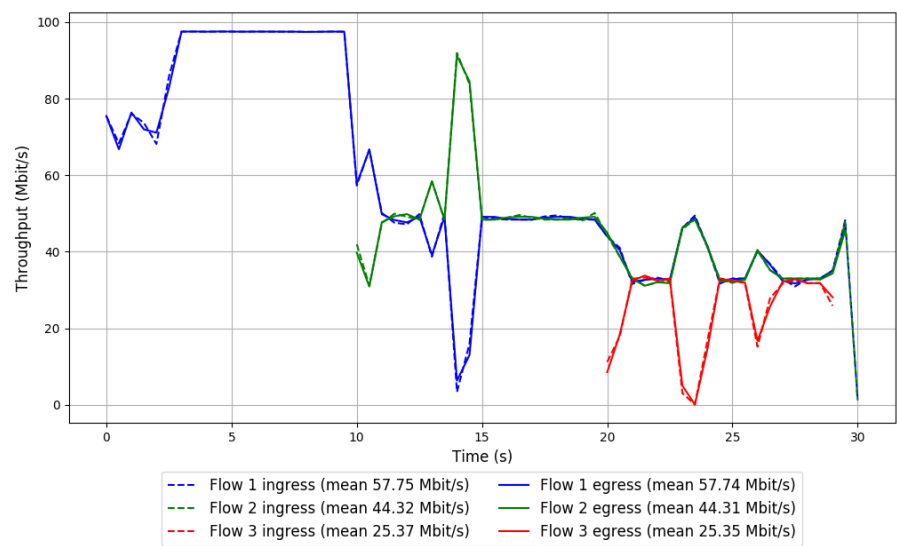


Run 9: Statistics of Verus

Start at: 2018-02-01 00:37:34
End at: 2018-02-01 00:38:04
Local clock offset: 0.279 ms
Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-02-01 04:54:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 37.537 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 36.282 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 37.299 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 37.723 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-01 00:59:21

End at: 2018-02-01 00:59:51

Local clock offset: 0.376 ms

Remote clock offset: 1.257 ms

Below is generated by plot.py at 2018-02-01 04:54:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 36.371 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 35.804 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.29 Mbit/s

95th percentile per-packet one-way delay: 36.372 ms

Loss rate: 0.25%

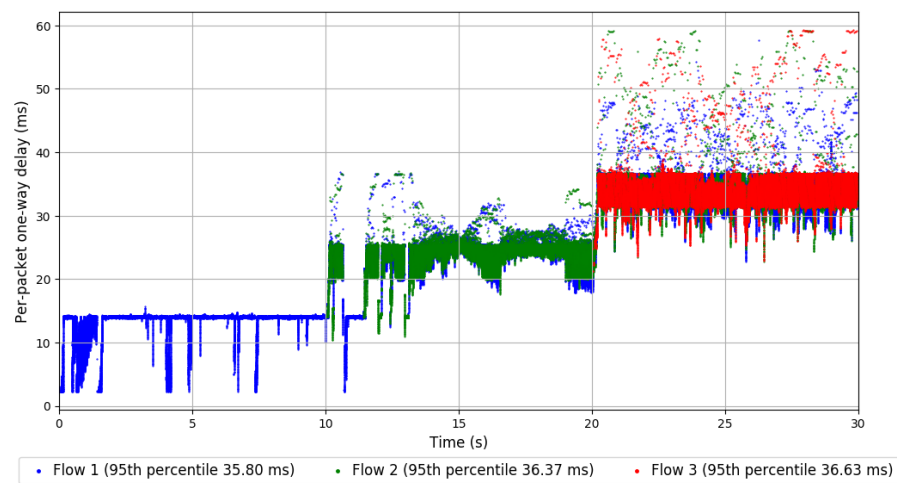
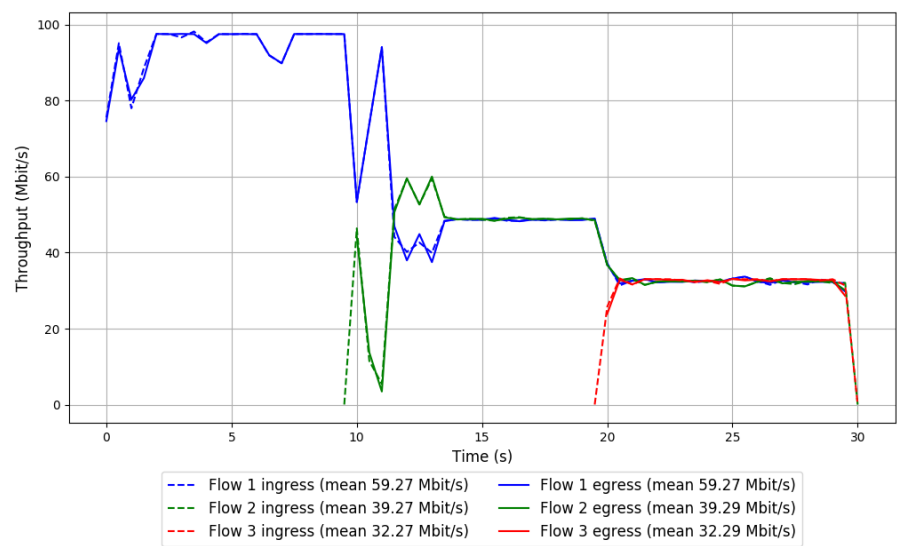
-- Flow 3:

Average throughput: 32.29 Mbit/s

95th percentile per-packet one-way delay: 36.635 ms

Loss rate: 0.77%

Run 10: Report of Verus — Data Link

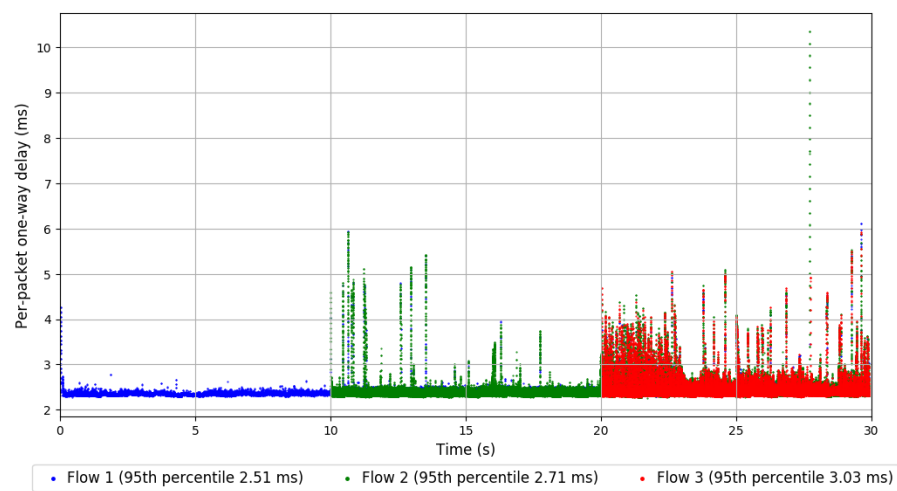
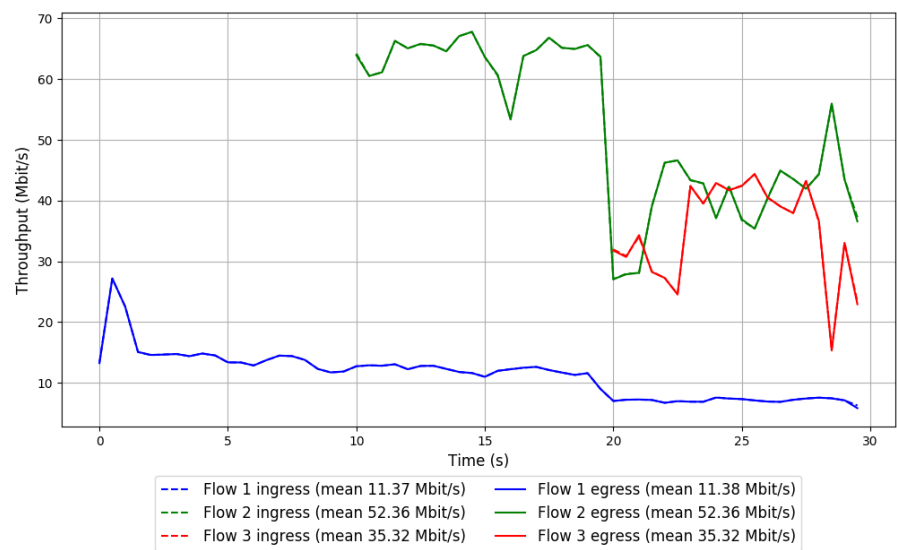


Run 1: Statistics of Copa

Start at: 2018-01-31 21:37:07
End at: 2018-01-31 21:37:37
Local clock offset: -0.047 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-02-01 04:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 2.749 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 2.714 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 3.033 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-31 21:59:18

End at: 2018-01-31 21:59:48

Local clock offset: -0.091 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-02-01 04:56:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.45 Mbit/s

95th percentile per-packet one-way delay: 2.758 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 2.596 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 46.72 Mbit/s

95th percentile per-packet one-way delay: 2.792 ms

Loss rate: 0.03%

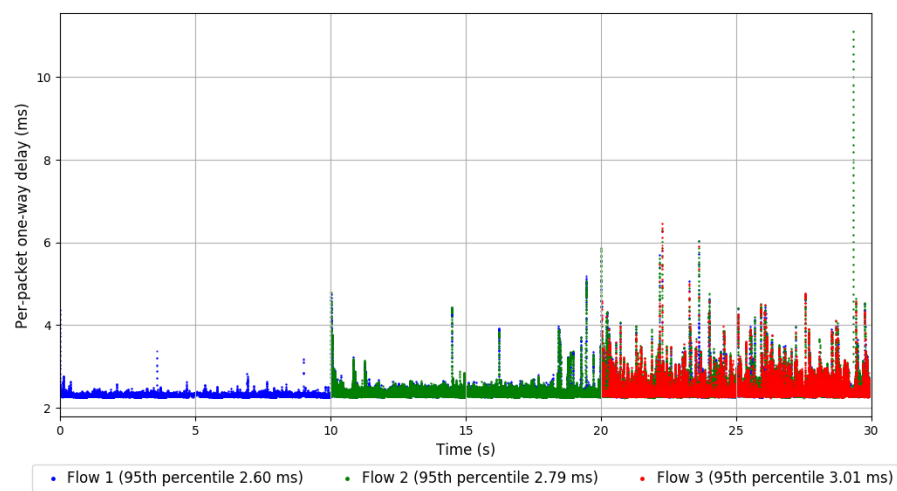
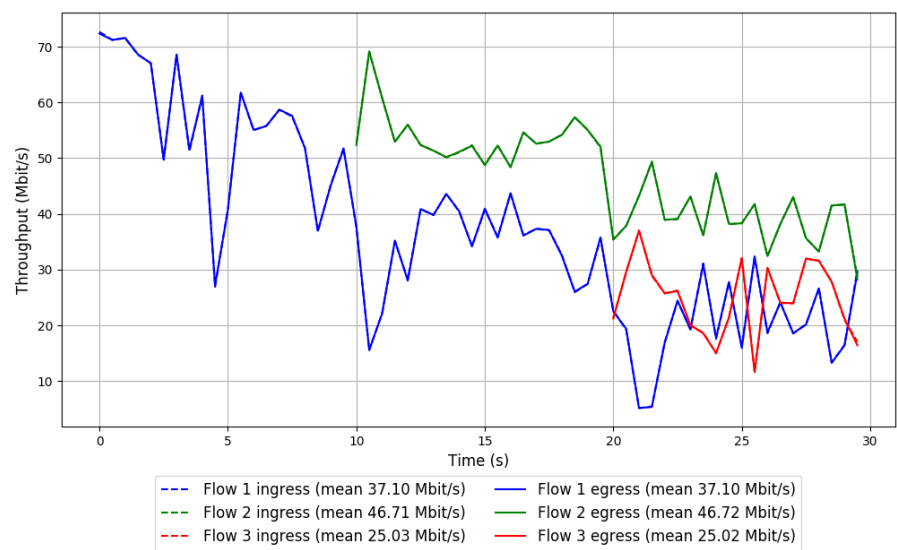
-- Flow 3:

Average throughput: 25.02 Mbit/s

95th percentile per-packet one-way delay: 3.009 ms

Loss rate: 0.14%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-31 22:20:44

End at: 2018-01-31 22:21:14

Local clock offset: -0.047 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-02-01 04:56:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 2.658 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 58.25 Mbit/s

95th percentile per-packet one-way delay: 2.625 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 3.020 ms

Loss rate: 0.20%

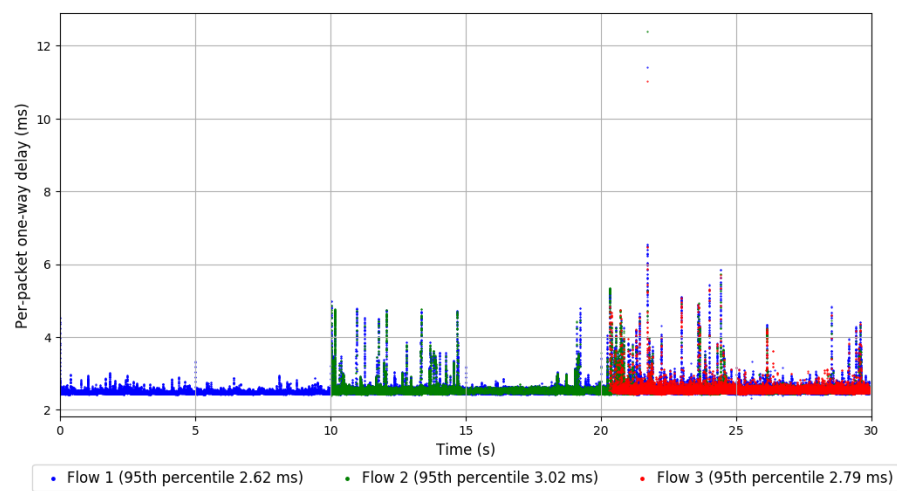
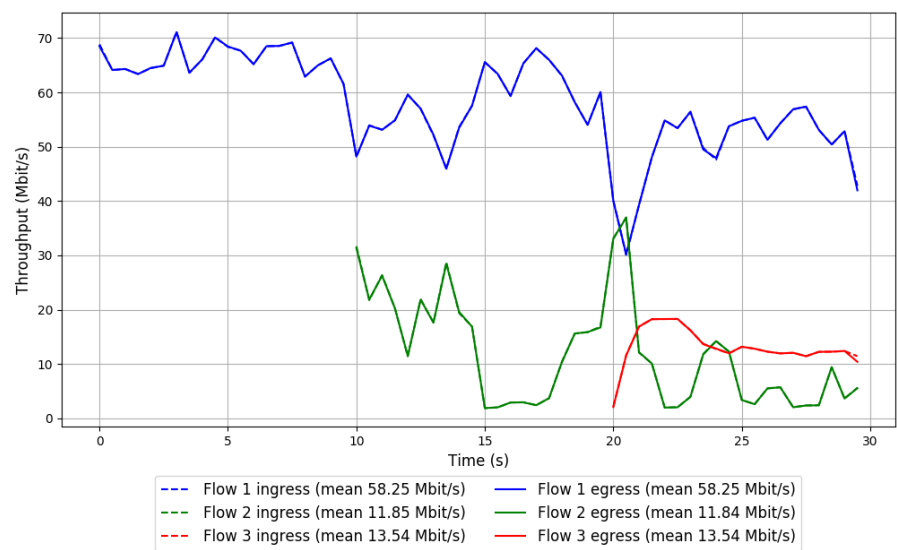
-- Flow 3:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 2.786 ms

Loss rate: 0.42%

Run 3: Report of Copa — Data Link

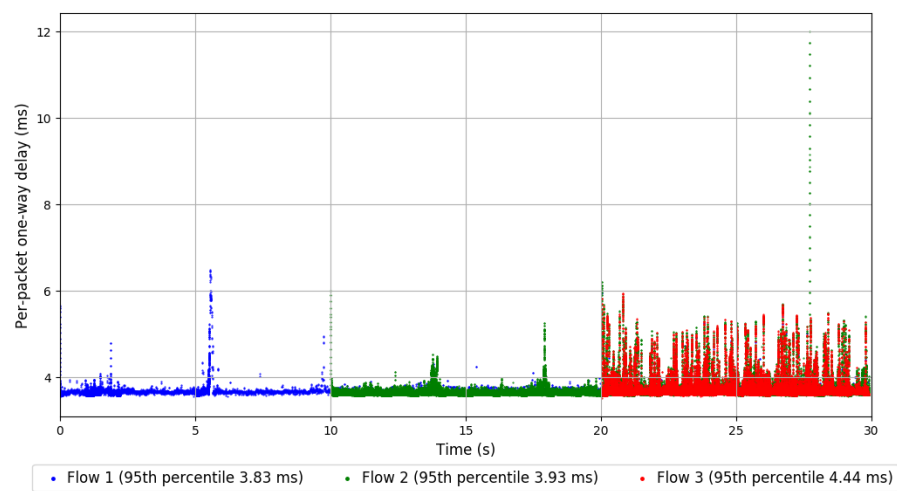
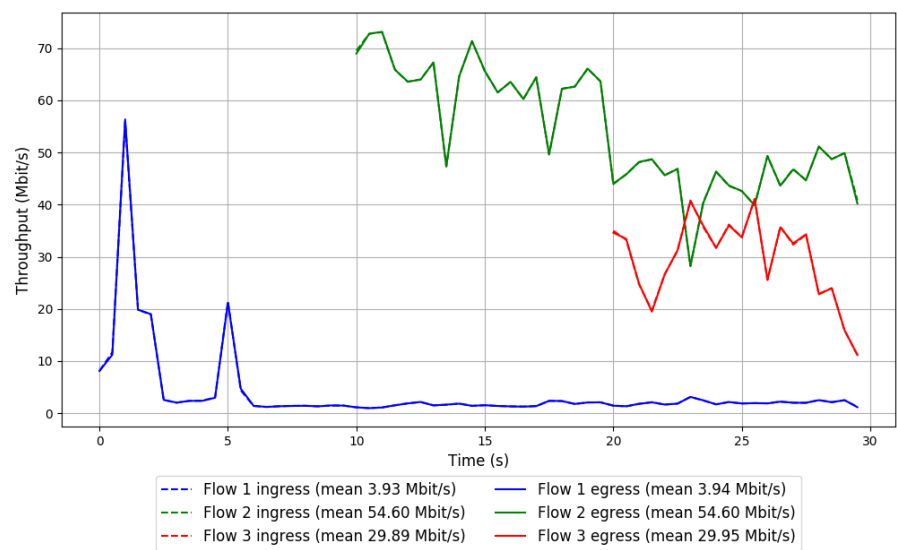


Run 4: Statistics of Copa

Start at: 2018-01-31 22:42:04
End at: 2018-01-31 22:42:34
Local clock offset: -0.025 ms
Remote clock offset: -0.697 ms

Below is generated by plot.py at 2018-02-01 04:56:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 3.833 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 4.444 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-31 23:03:58

End at: 2018-01-31 23:04:28

Local clock offset: 0.001 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2018-02-01 04:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.28 Mbit/s

95th percentile per-packet one-way delay: 2.837 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 56.58 Mbit/s

95th percentile per-packet one-way delay: 2.778 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 2.840 ms

Loss rate: 0.35%

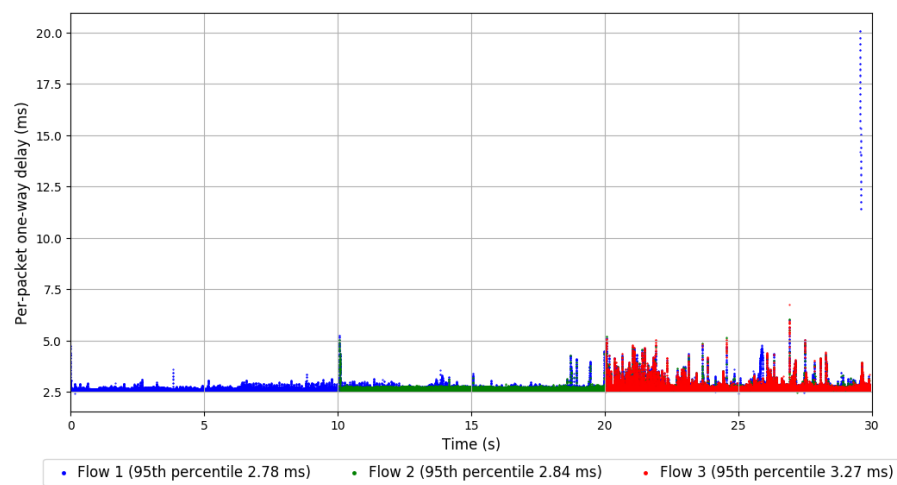
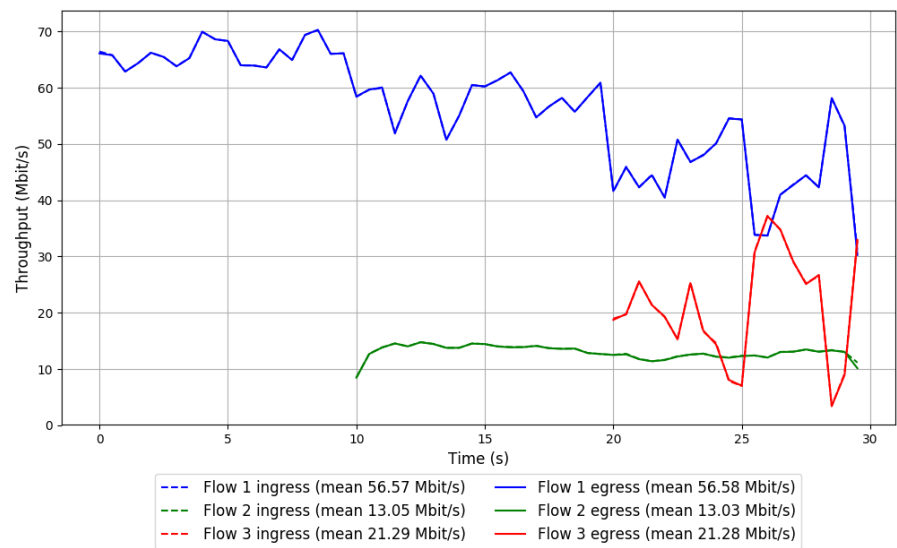
-- Flow 3:

Average throughput: 21.28 Mbit/s

95th percentile per-packet one-way delay: 3.265 ms

Loss rate: 0.15%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-31 23:25:54

End at: 2018-01-31 23:26:24

Local clock offset: -0.022 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2018-02-01 04:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 2.510 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 10.89 Mbit/s

95th percentile per-packet one-way delay: 2.525 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 2.665 ms

Loss rate: 0.08%

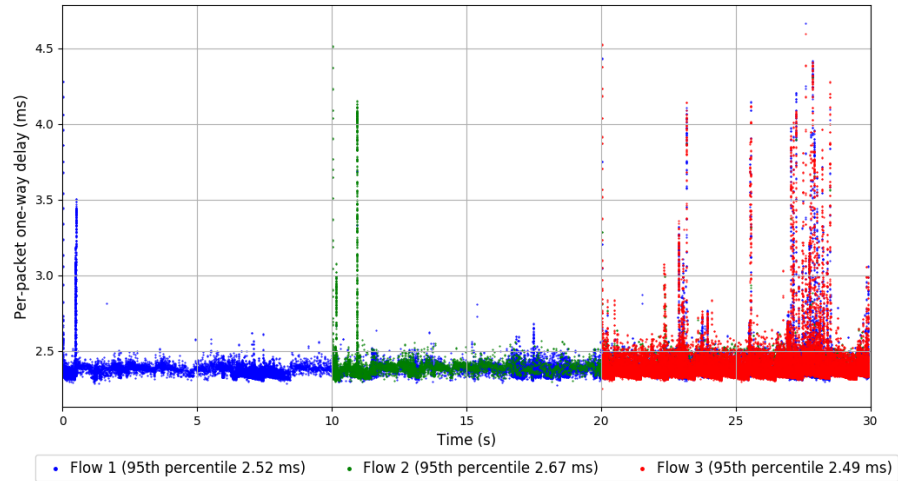
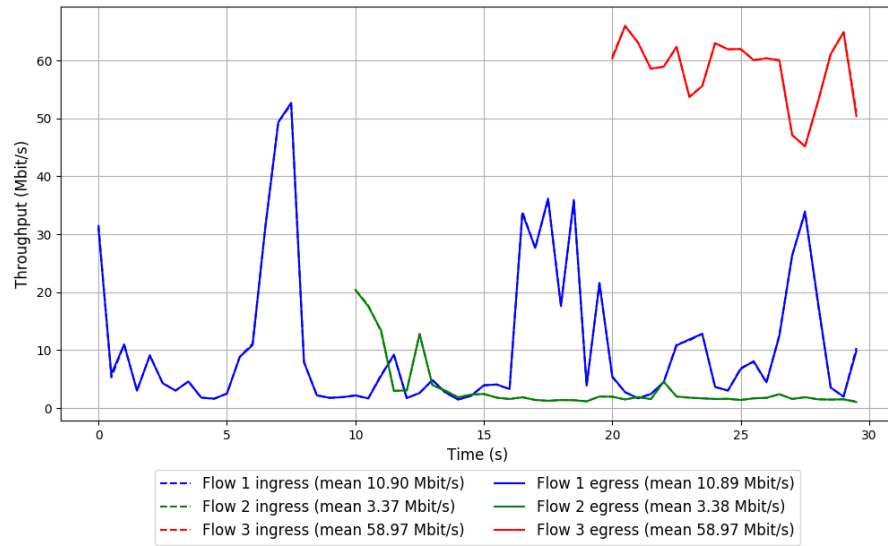
-- Flow 3:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 2.494 ms

Loss rate: 0.09%

Run 6: Report of Copa — Data Link

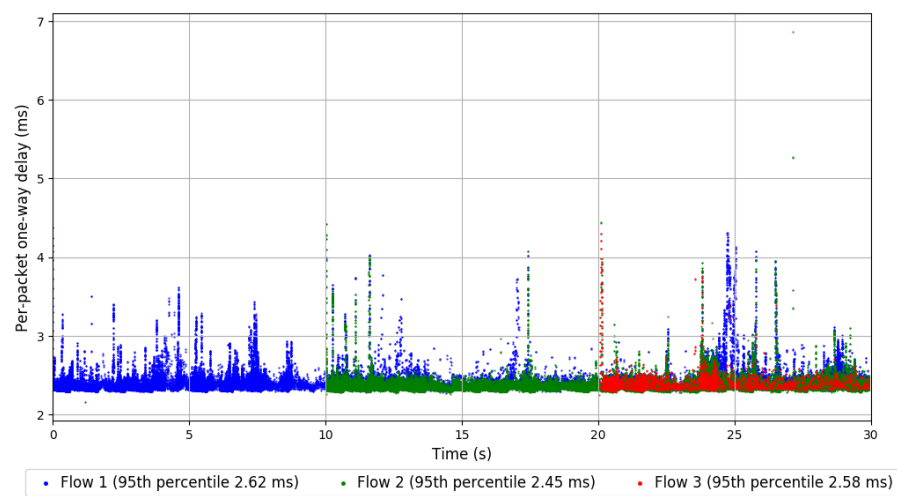
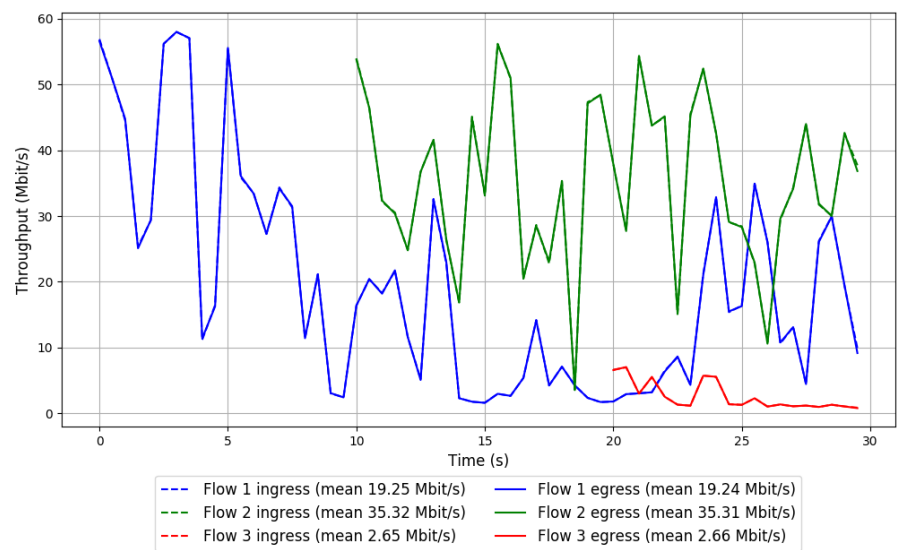


Run 7: Statistics of Copa

Start at: 2018-01-31 23:47:35
End at: 2018-01-31 23:48:05
Local clock offset: -0.053 ms
Remote clock offset: 0.59 ms

Below is generated by plot.py at 2018-02-01 04:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 2.578 ms
Loss rate: 0.15%

Run 7: Report of Copa — Data Link

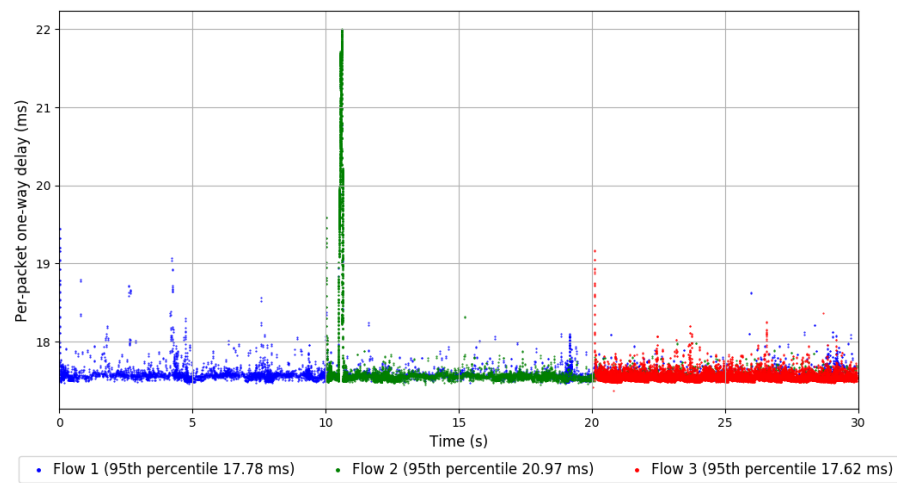
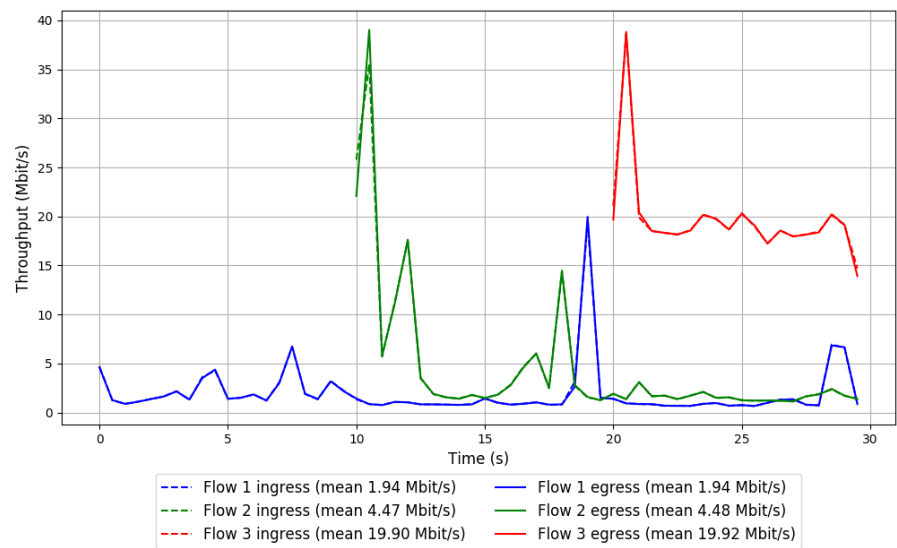


Run 8: Statistics of Copa

Start at: 2018-02-01 00:09:42
End at: 2018-02-01 00:10:12
Local clock offset: 0.102 ms
Remote clock offset: -14.379 ms

Below is generated by plot.py at 2018-02-01 04:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 17.984 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 17.783 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 20.971 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 17.620 ms
Loss rate: 0.35%

Run 8: Report of Copa — Data Link

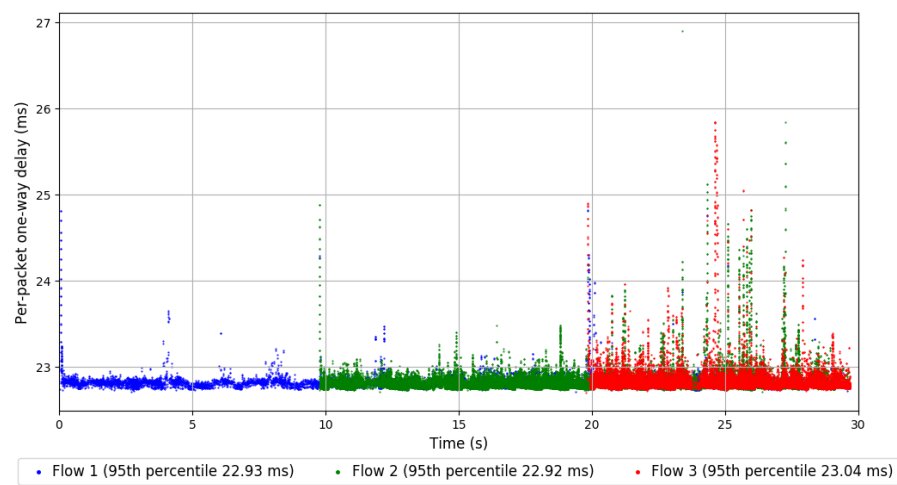
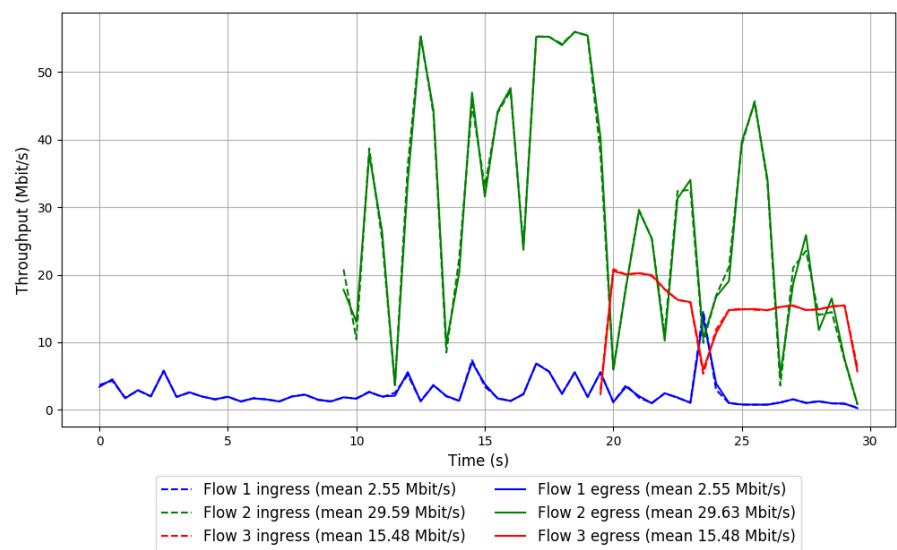


Run 9: Statistics of Copa

Start at: 2018-02-01 00:31:35
End at: 2018-02-01 00:32:05
Local clock offset: 0.296 ms
Remote clock offset: -19.326 ms

Below is generated by plot.py at 2018-02-01 04:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 22.942 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 22.932 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 22.918 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 23.042 ms
Loss rate: 0.45%

Run 9: Report of Copa — Data Link

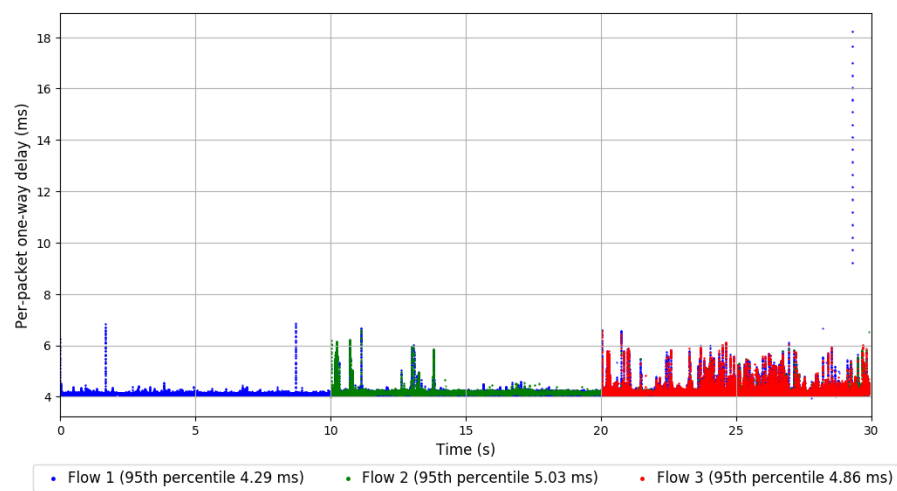
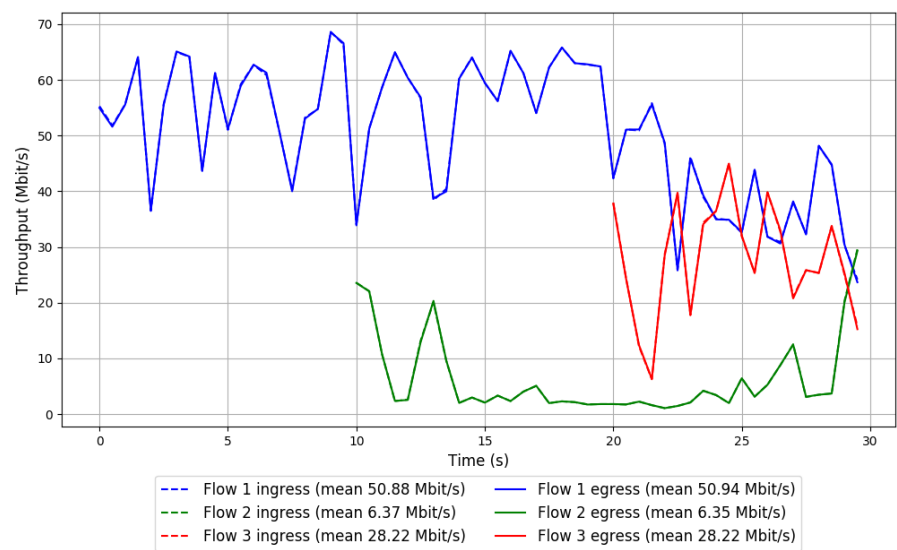


Run 10: Statistics of Copa

Start at: 2018-02-01 00:53:17
End at: 2018-02-01 00:53:47
Local clock offset: 0.448 ms
Remote clock offset: -0.507 ms

Below is generated by plot.py at 2018-02-01 04:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 4.290 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 5.032 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 4.857 ms
Loss rate: 0.10%

Run 10: Report of Copa — Data Link

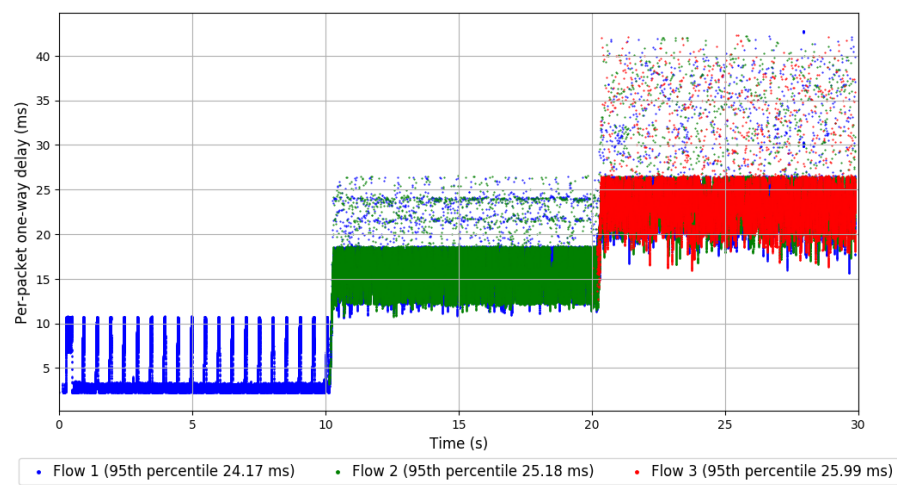
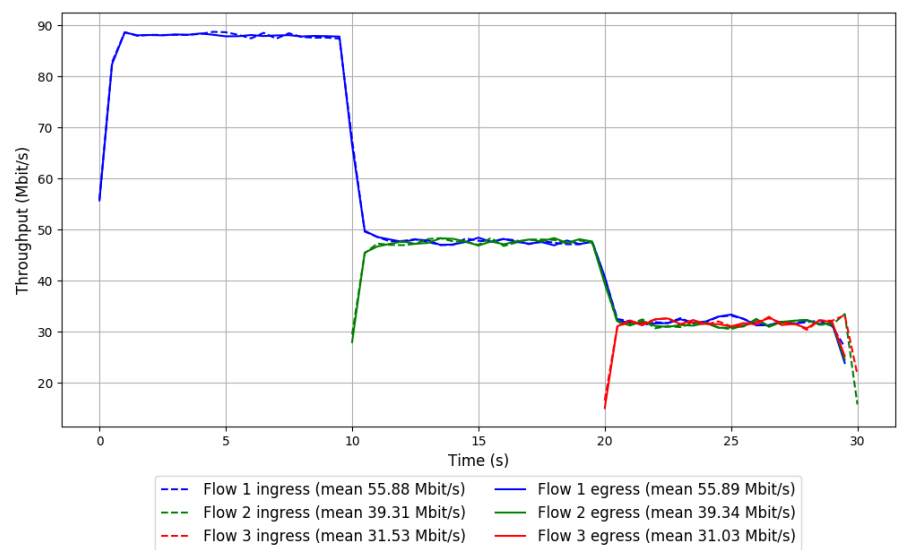


Run 1: Statistics of FillP

Start at: 2018-01-31 21:29:57
End at: 2018-01-31 21:30:27
Local clock offset: -0.062 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-02-01 04:57:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 25.051 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 24.167 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 25.178 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 25.994 ms
Loss rate: 4.89%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-31 21:52:07

End at: 2018-01-31 21:52:37

Local clock offset: -0.034 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-02-01 04:58:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.19 Mbit/s

95th percentile per-packet one-way delay: 24.861 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 24.050 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 25.005 ms

Loss rate: 3.28%

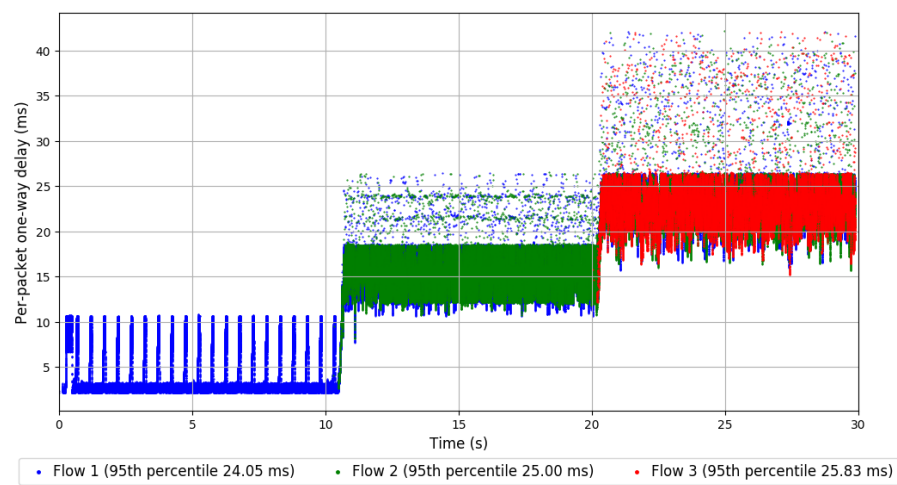
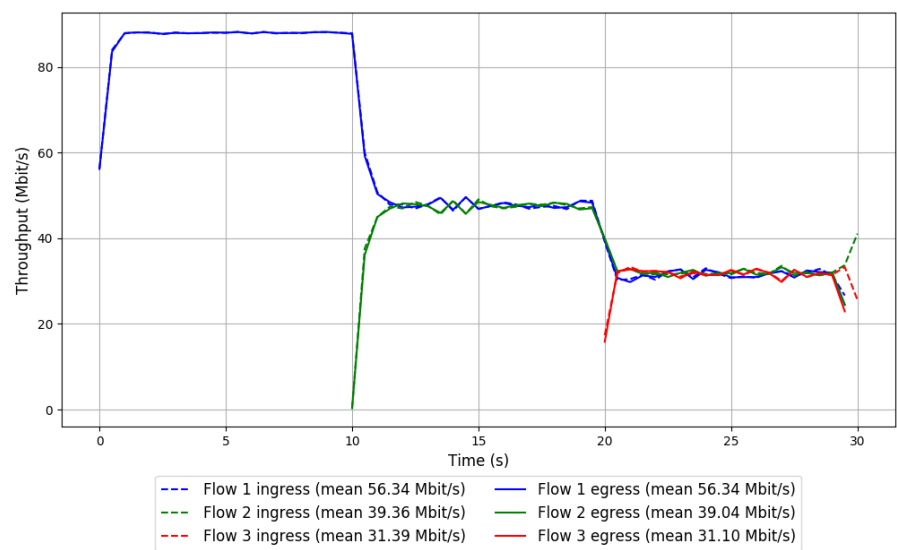
-- Flow 3:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 25.829 ms

Loss rate: 5.78%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-31 22:13:36

End at: 2018-01-31 22:14:06

Local clock offset: -0.078 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-02-01 04:58:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 24.996 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 24.197 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 38.99 Mbit/s

95th percentile per-packet one-way delay: 25.161 ms

Loss rate: 0.23%

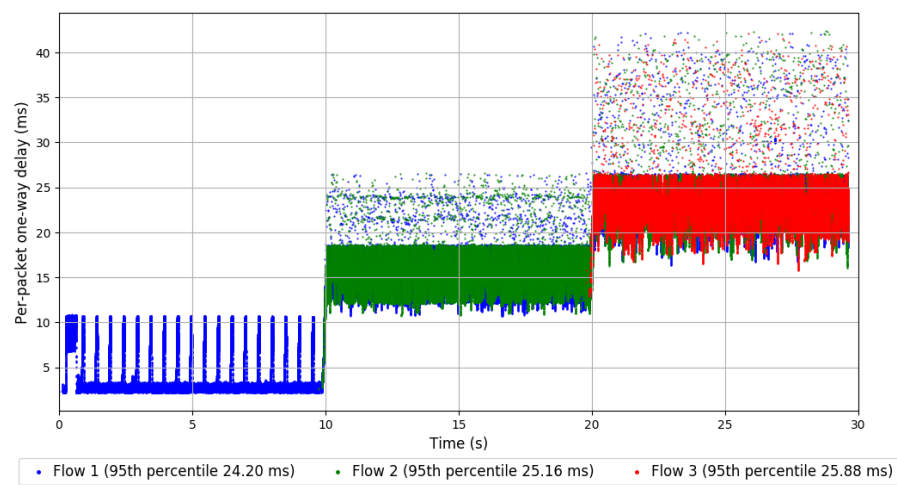
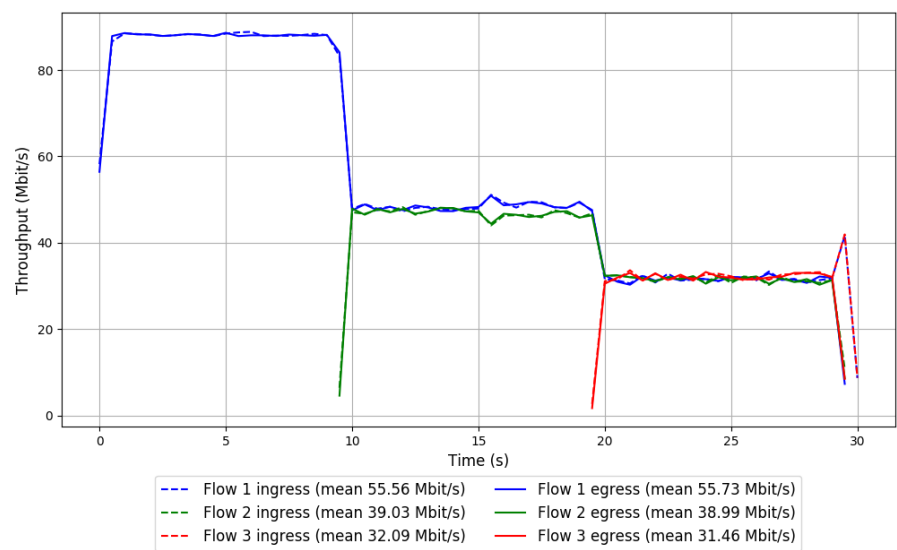
-- Flow 3:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 25.881 ms

Loss rate: 6.68%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-31 22:34:57

End at: 2018-01-31 22:35:27

Local clock offset: -0.038 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2018-02-01 04:58:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 24.921 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 24.052 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 38.68 Mbit/s

95th percentile per-packet one-way delay: 25.152 ms

Loss rate: 2.67%

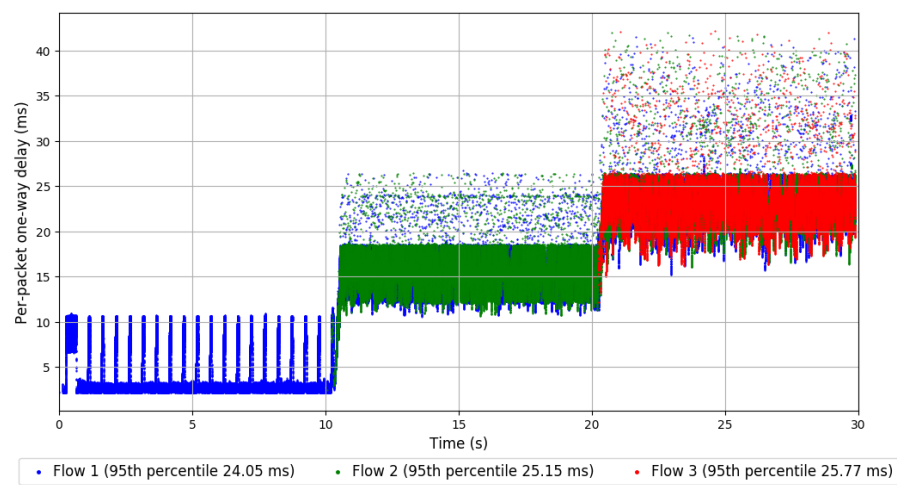
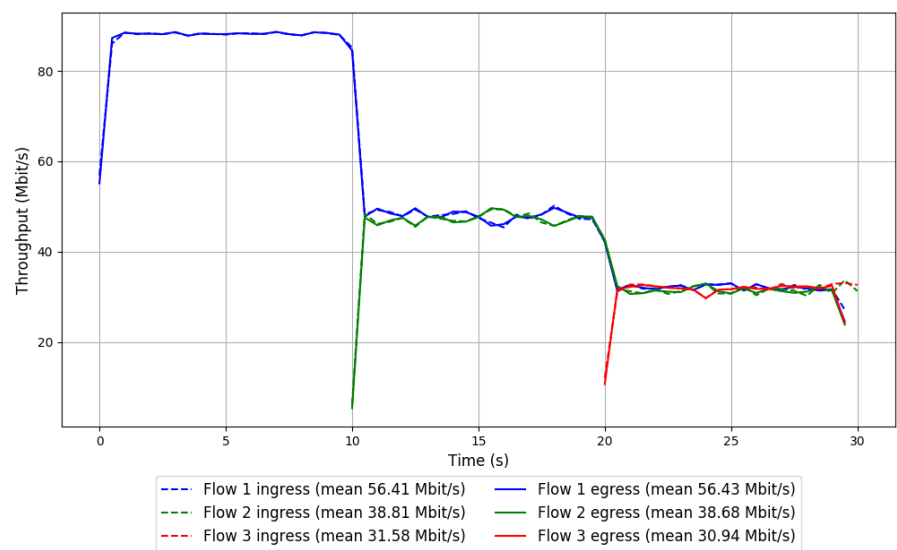
-- Flow 3:

Average throughput: 30.94 Mbit/s

95th percentile per-packet one-way delay: 25.772 ms

Loss rate: 6.64%

Run 4: Report of FillP — Data Link

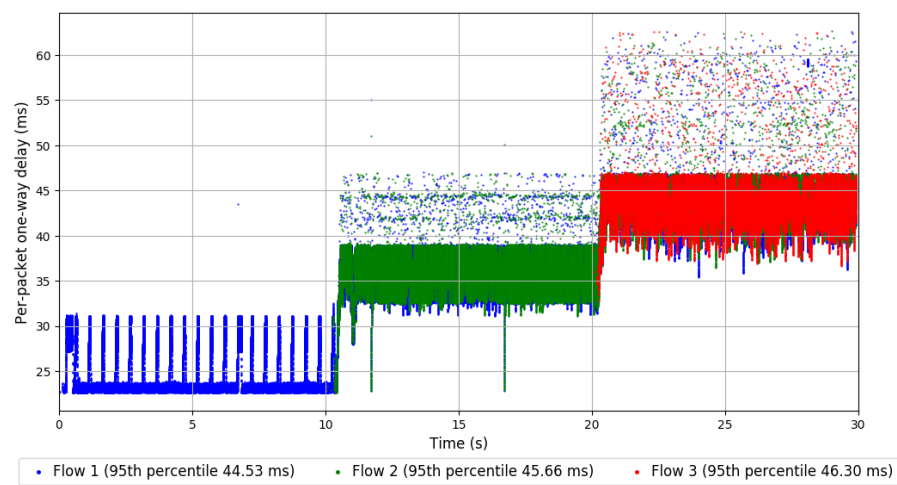
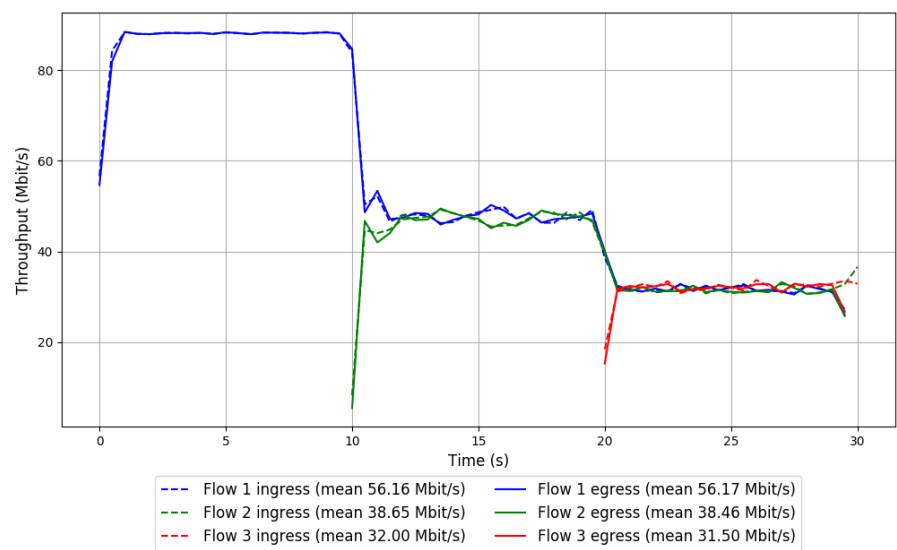


Run 5: Statistics of FillP

Start at: 2018-01-31 22:56:44
End at: 2018-01-31 22:57:14
Local clock offset: 0.007 ms
Remote clock offset: -19.728 ms

Below is generated by plot.py at 2018-02-01 04:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 45.406 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 44.528 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 46.297 ms
Loss rate: 6.42%

Run 5: Report of FillP — Data Link

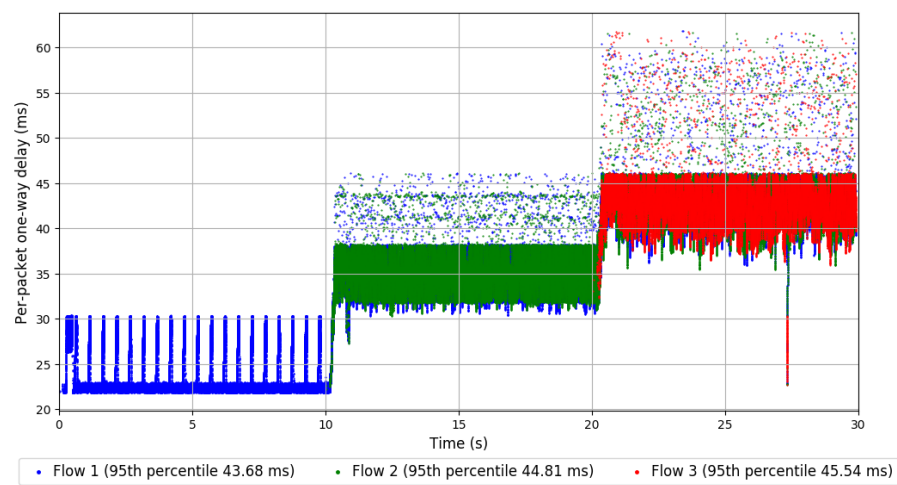
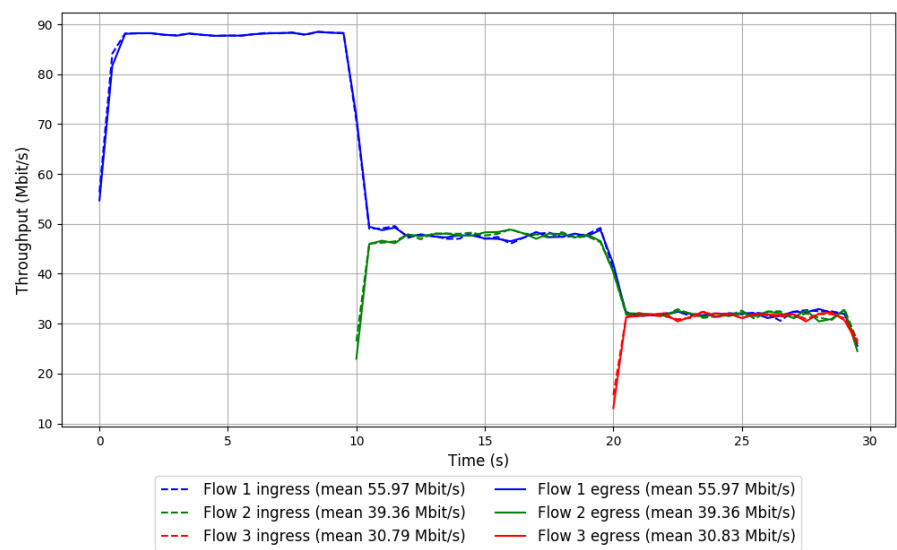


Run 6: Statistics of FillP

Start at: 2018-01-31 23:18:36
End at: 2018-01-31 23:19:06
Local clock offset: -0.032 ms
Remote clock offset: -19.008 ms

Below is generated by plot.py at 2018-02-01 04:58:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 44.605 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 43.682 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 44.812 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 45.536 ms
Loss rate: 0.59%

Run 6: Report of FillP — Data Link

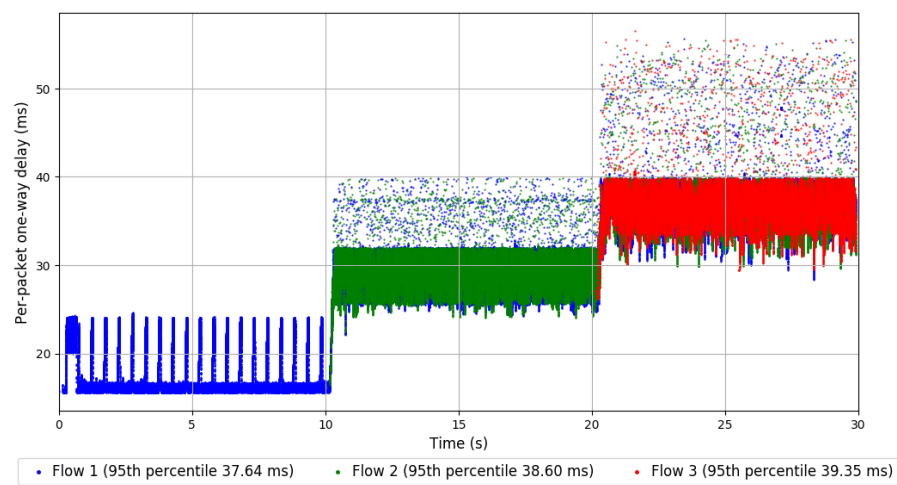
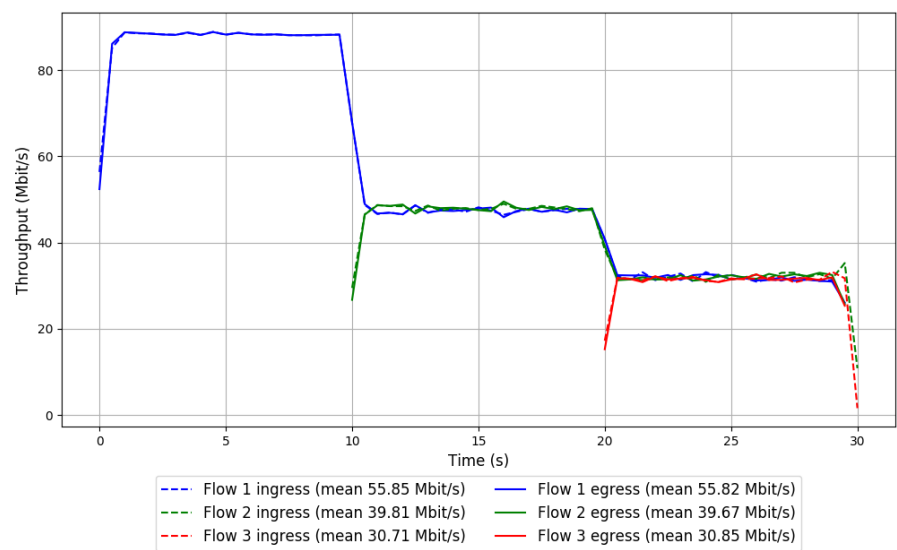


Run 7: Statistics of FillP

Start at: 2018-01-31 23:40:25
End at: 2018-01-31 23:40:55
Local clock offset: -0.035 ms
Remote clock offset: -12.898 ms

Below is generated by plot.py at 2018-02-01 04:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 38.470 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 37.640 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 38.596 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 39.354 ms
Loss rate: 1.73%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-01 00:02:28

End at: 2018-02-01 00:02:58

Local clock offset: 0.022 ms

Remote clock offset: 0.672 ms

Below is generated by plot.py at 2018-02-01 04:59:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 24.797 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 56.47 Mbit/s

95th percentile per-packet one-way delay: 23.861 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 25.001 ms

Loss rate: 2.74%

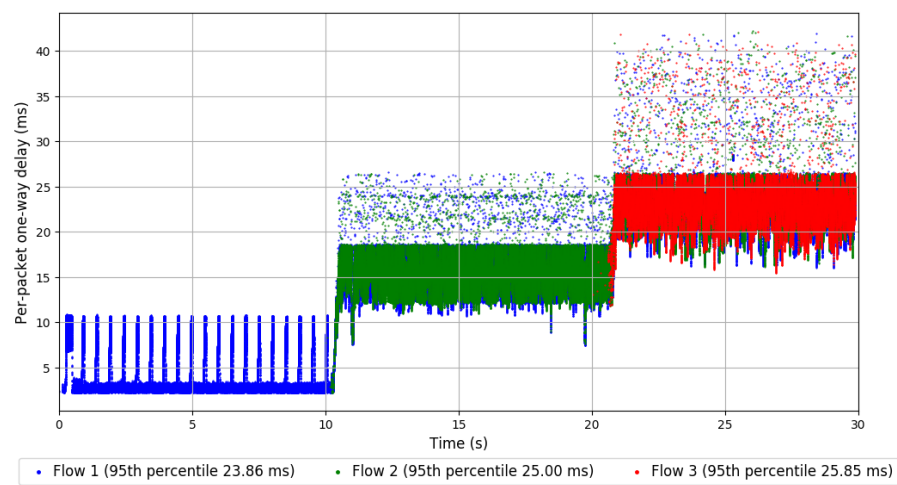
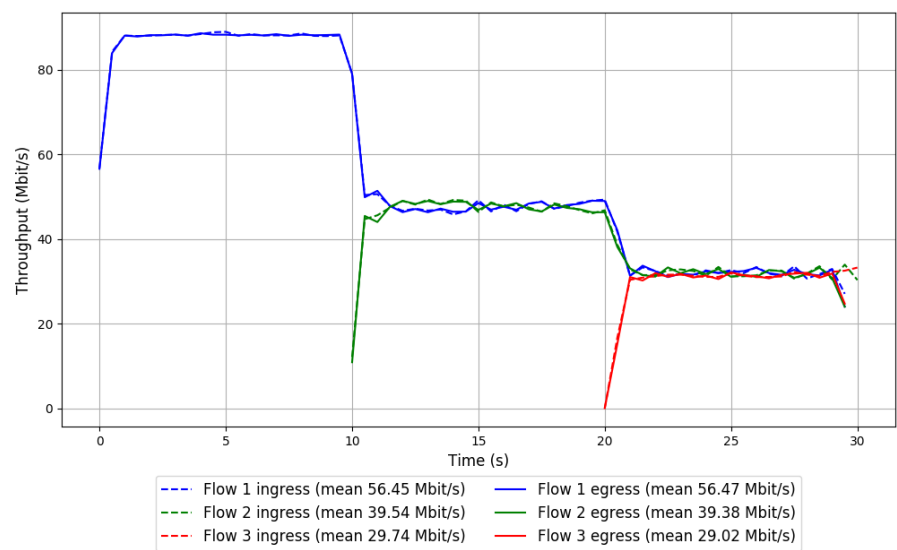
-- Flow 3:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 25.852 ms

Loss rate: 6.98%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-01 00:24:16

End at: 2018-02-01 00:24:46

Local clock offset: 0.253 ms

Remote clock offset: 1.015 ms

Below is generated by plot.py at 2018-02-01 05:00:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 25.053 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 24.132 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.45 Mbit/s

95th percentile per-packet one-way delay: 25.234 ms

Loss rate: 2.23%

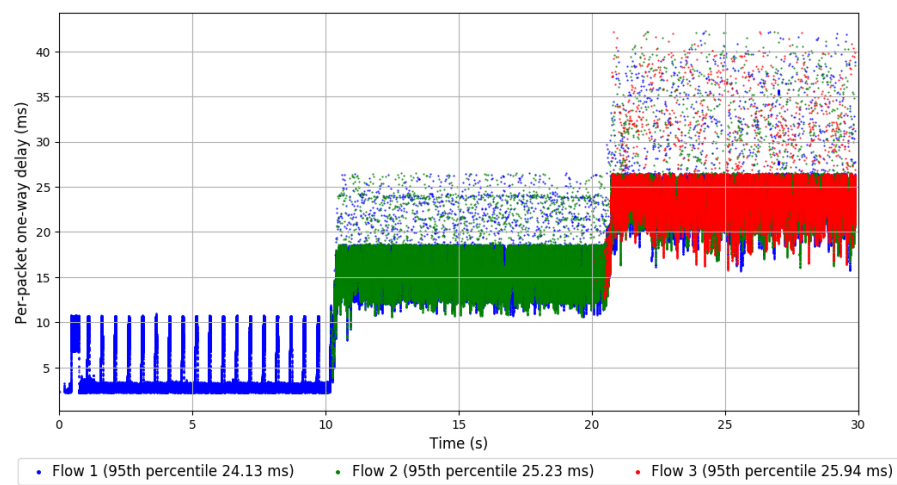
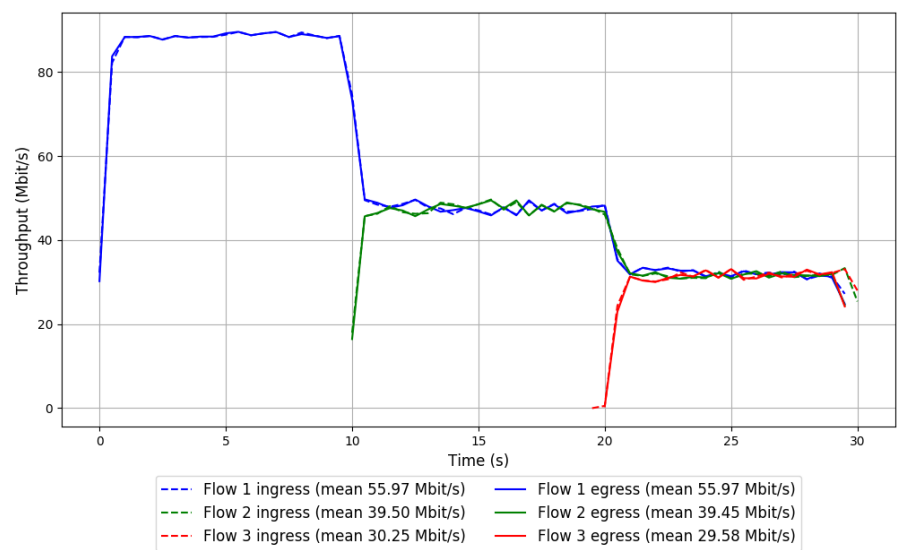
-- Flow 3:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 25.942 ms

Loss rate: 6.27%

Run 9: Report of FillP — Data Link

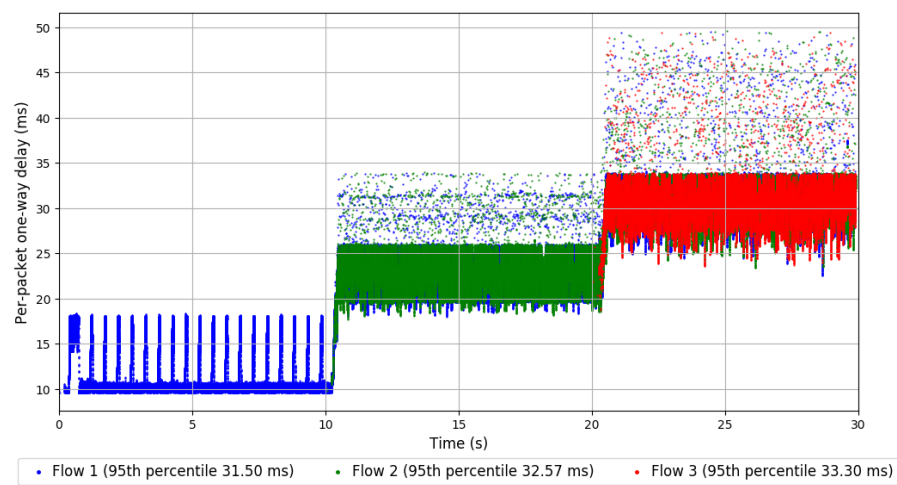
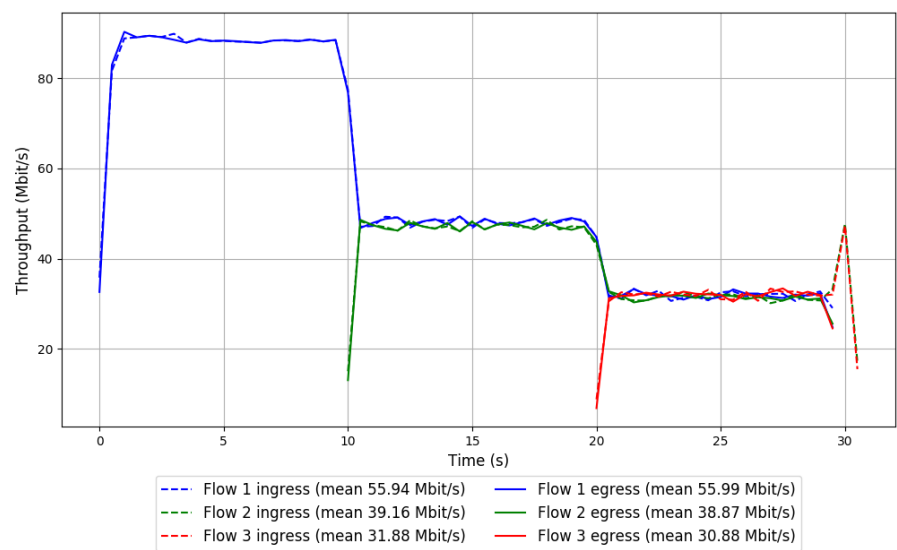


Run 10: Statistics of FillP

Start at: 2018-02-01 00:46:02
End at: 2018-02-01 00:46:32
Local clock offset: 0.398 ms
Remote clock offset: -6.199 ms

Below is generated by plot.py at 2018-02-01 05:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 32.385 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 32.566 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 33.297 ms
Loss rate: 10.59%

Run 10: Report of FillP — Data Link

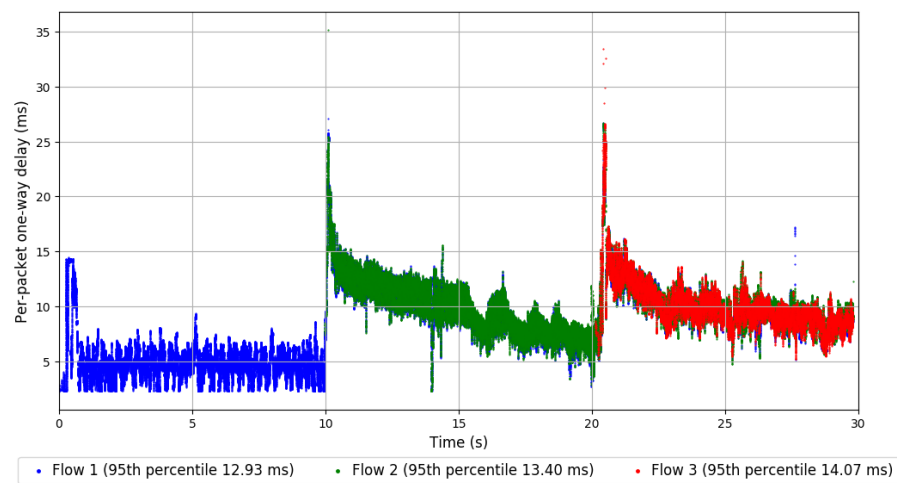
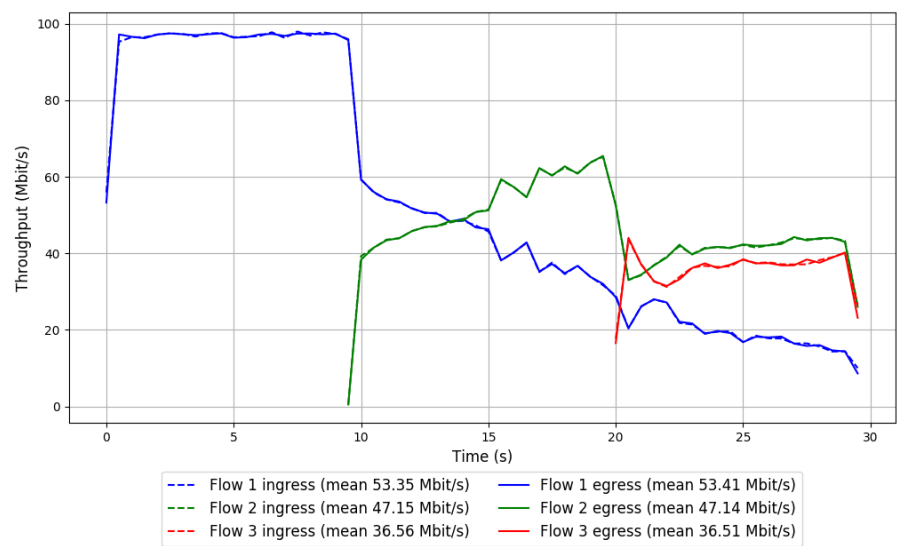


Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 21:34:44
End at: 2018-01-31 21:35:14
Local clock offset: -0.075 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-02-01 05:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 13.236 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 12.927 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 13.404 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 14.073 ms
Loss rate: 0.56%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 21:56:55

End at: 2018-01-31 21:57:25

Local clock offset: -0.006 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-02-01 05:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 9.315 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 8.808 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 21.30 Mbit/s

95th percentile per-packet one-way delay: 9.905 ms

Loss rate: 0.03%

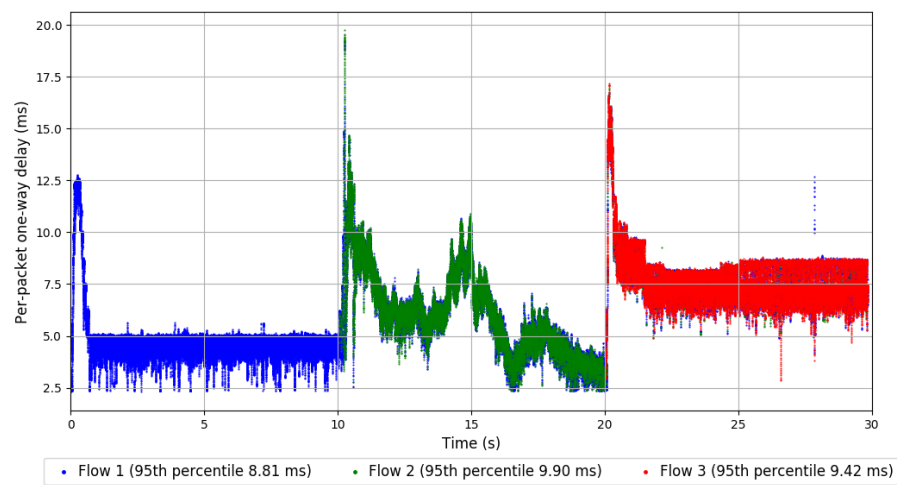
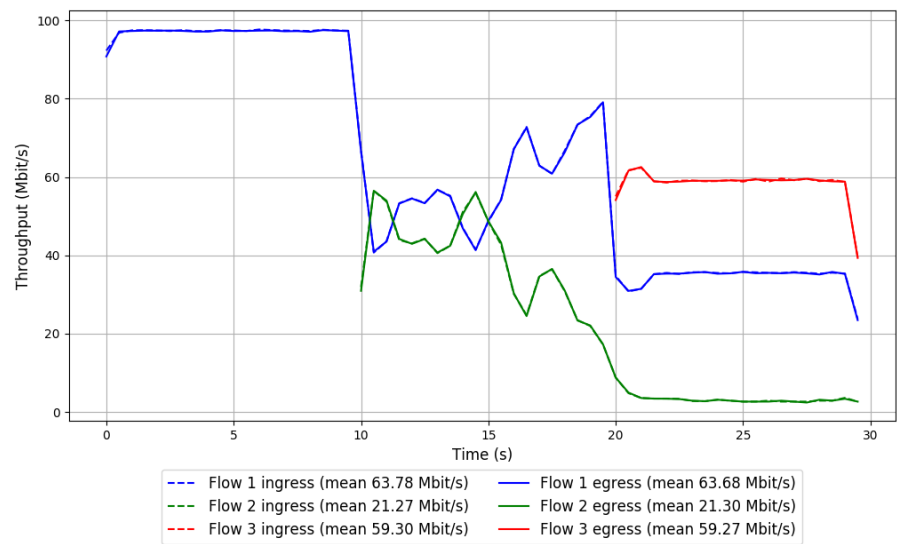
-- Flow 3:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 9.420 ms

Loss rate: 0.10%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 22:18:21

End at: 2018-01-31 22:18:51

Local clock offset: 0.006 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-02-01 05:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.83 Mbit/s

95th percentile per-packet one-way delay: 11.499 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 42.12 Mbit/s

95th percentile per-packet one-way delay: 8.826 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.41 Mbit/s

95th percentile per-packet one-way delay: 11.395 ms

Loss rate: 0.04%

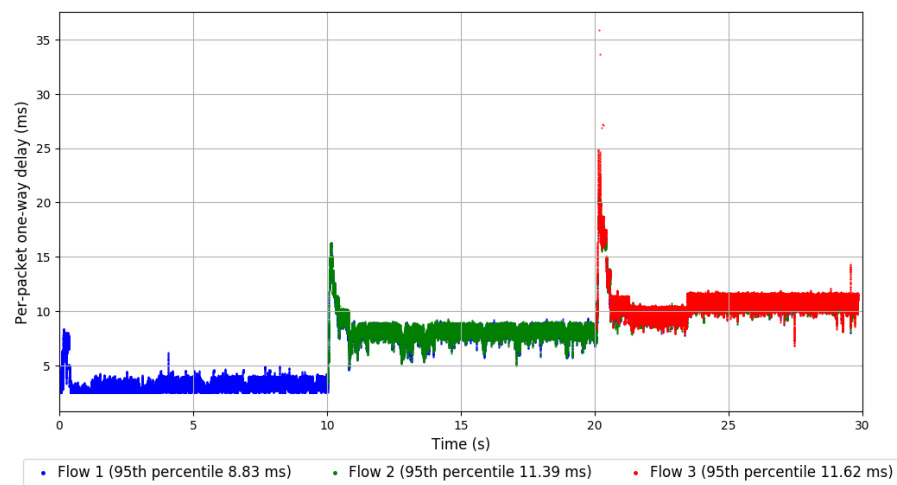
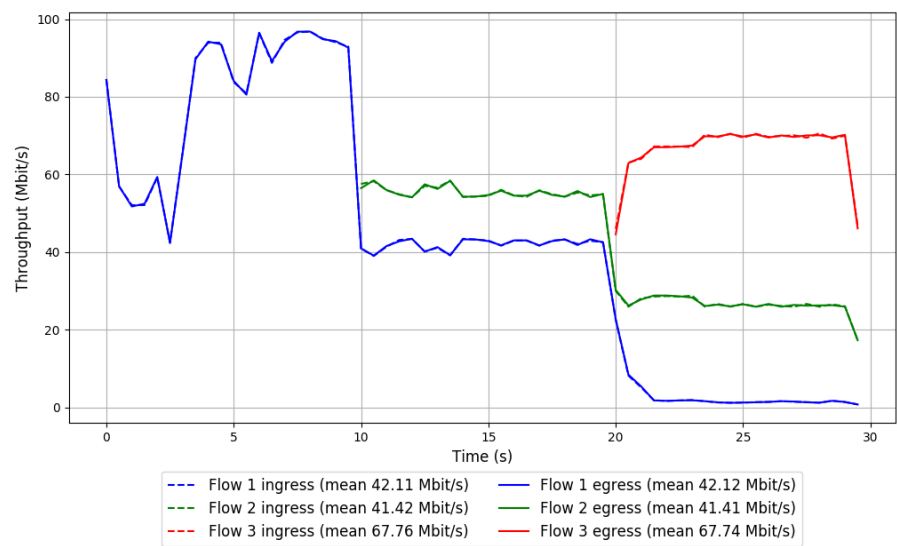
-- Flow 3:

Average throughput: 67.74 Mbit/s

95th percentile per-packet one-way delay: 11.617 ms

Loss rate: 0.14%

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

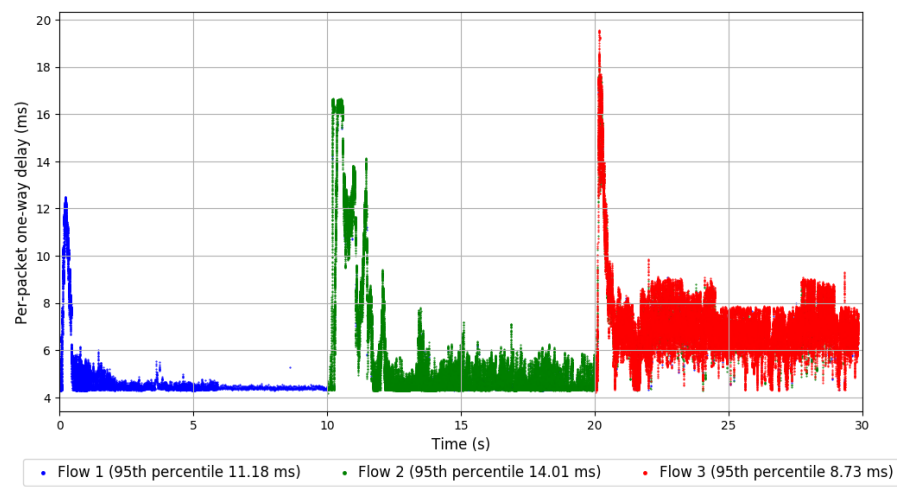
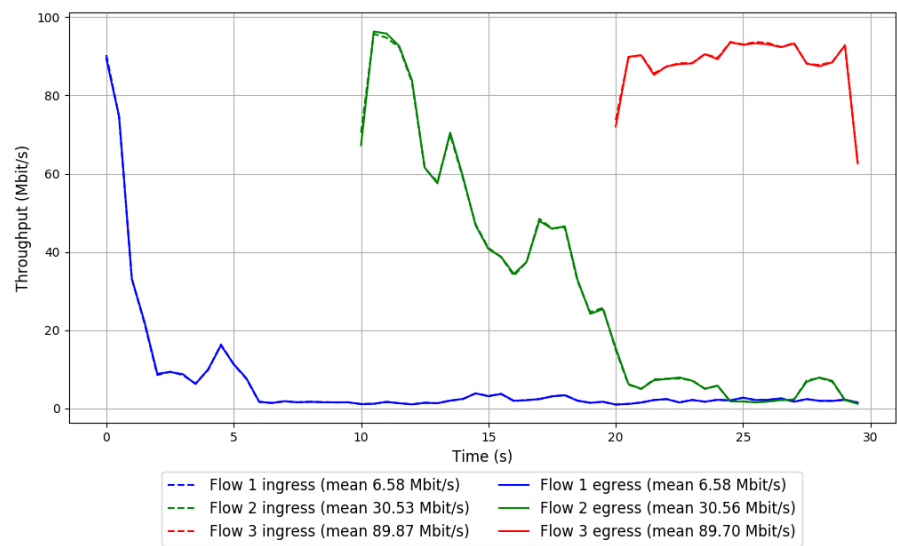


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 22:39:44
End at: 2018-01-31 22:40:14
Local clock offset: -0.021 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-02-01 05:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 11.996 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 11.177 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 14.011 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 8.731 ms
Loss rate: 0.25%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 23:01:31

End at: 2018-01-31 23:02:01

Local clock offset: -0.024 ms

Remote clock offset: 0.661 ms

Below is generated by plot.py at 2018-02-01 05:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.39 Mbit/s

95th percentile per-packet one-way delay: 9.052 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 23.18 Mbit/s

95th percentile per-packet one-way delay: 9.939 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 9.243 ms

Loss rate: 0.02%

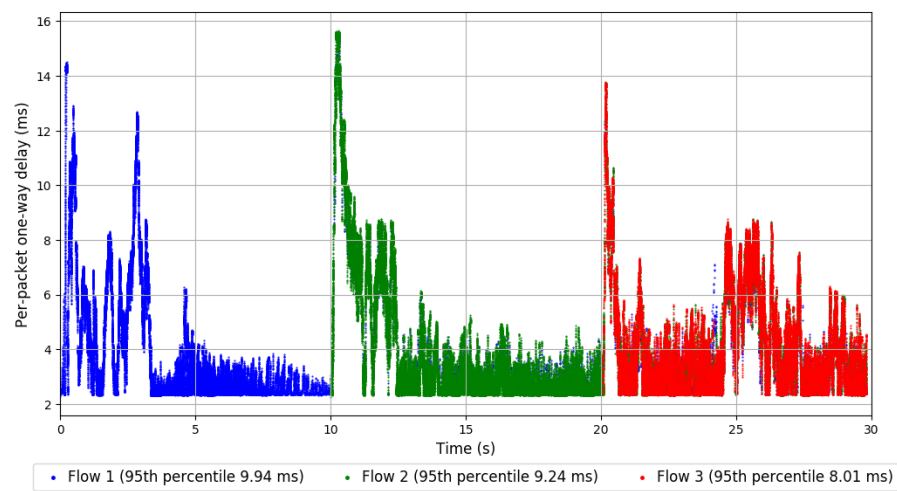
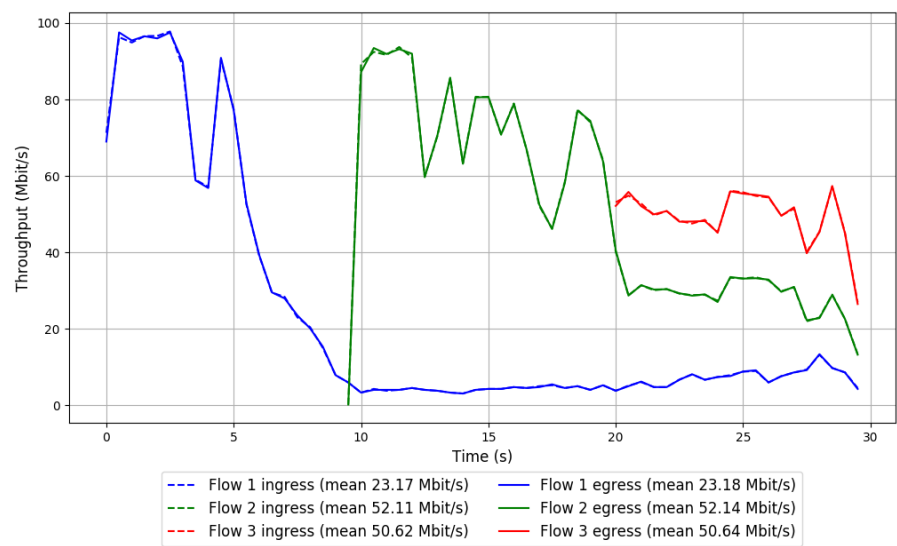
-- Flow 3:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 8.013 ms

Loss rate: 0.09%

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

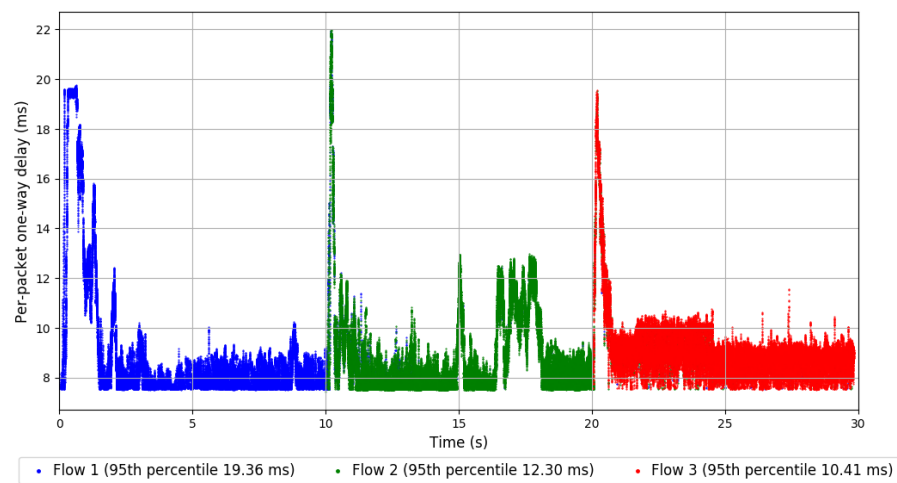
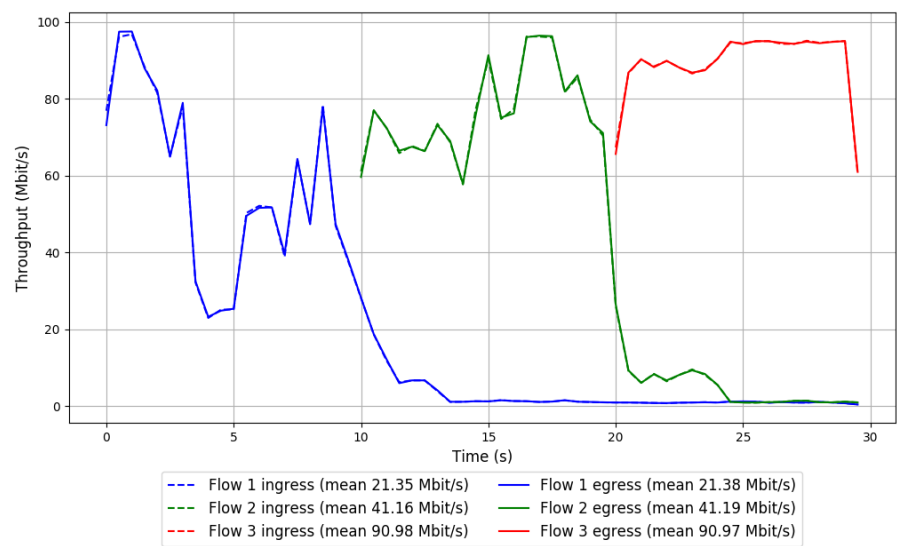


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 23:23:31
End at: 2018-01-31 23:24:01
Local clock offset: -0.084 ms
Remote clock offset: -4.657 ms

Below is generated by plot.py at 2018-02-01 05:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 13.260 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 12.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 10.407 ms
Loss rate: 0.06%

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

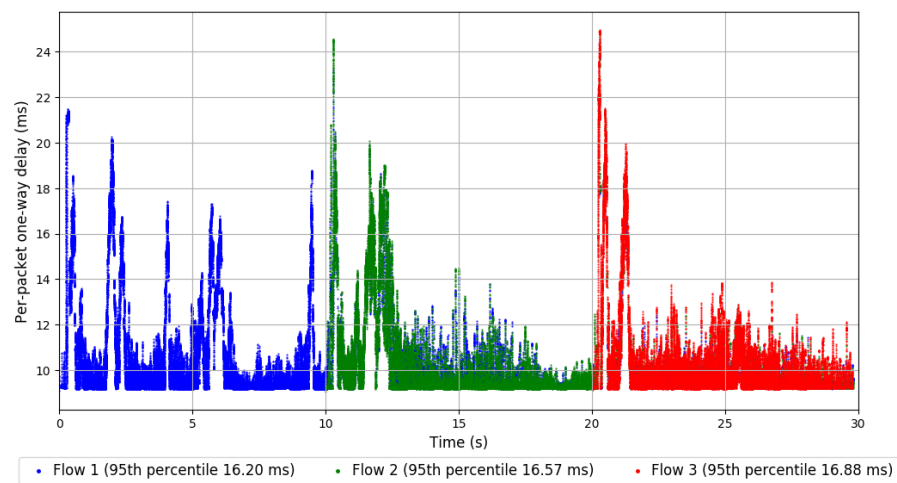
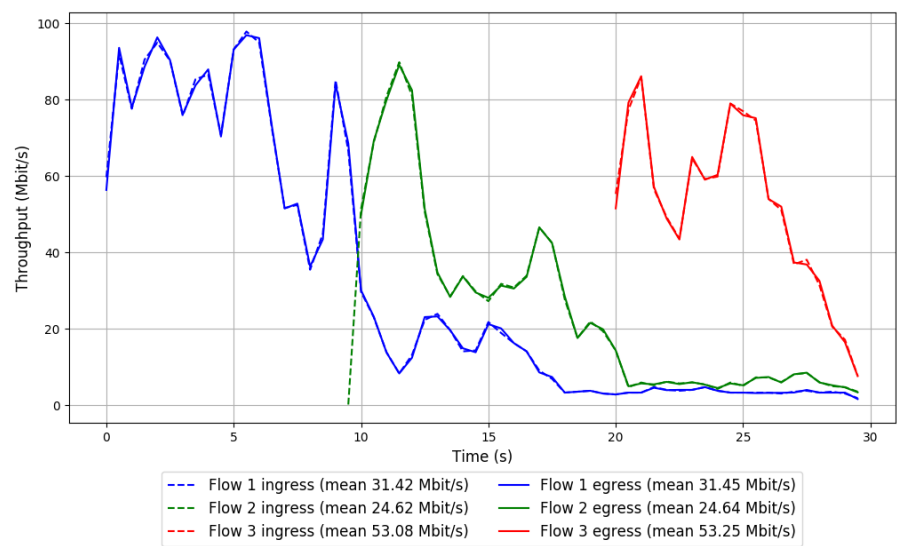


Run 7: Statistics of Indigo-1-32

Start at: 2018-01-31 23:45:12
End at: 2018-01-31 23:45:42
Local clock offset: -0.034 ms
Remote clock offset: -6.292 ms

Below is generated by plot.py at 2018-02-01 05:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 16.412 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 16.198 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 16.571 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 16.882 ms
Loss rate: 0.07%

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

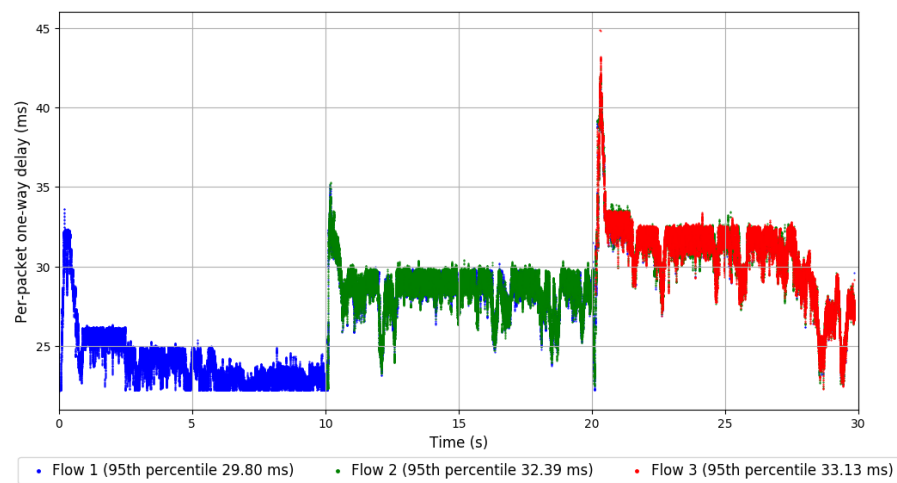
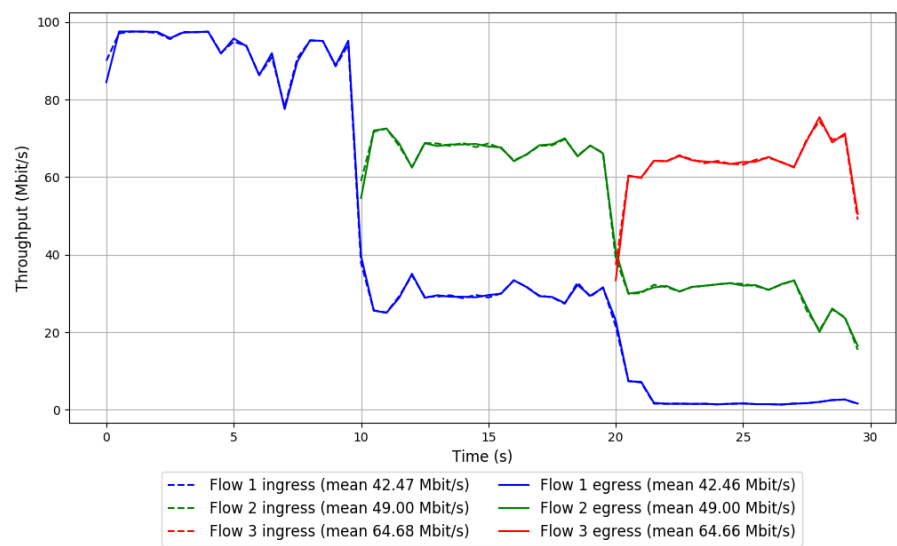


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-01 00:07:15
End at: 2018-02-01 00:07:45
Local clock offset: 0.101 ms
Remote clock offset: -19.118 ms

Below is generated by plot.py at 2018-02-01 05:01:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 32.406 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 29.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 32.388 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 33.134 ms
Loss rate: 0.15%

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

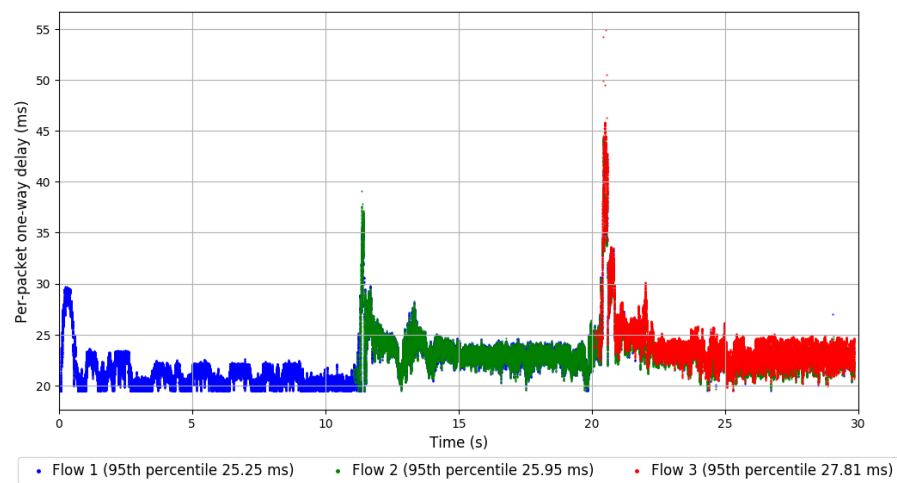
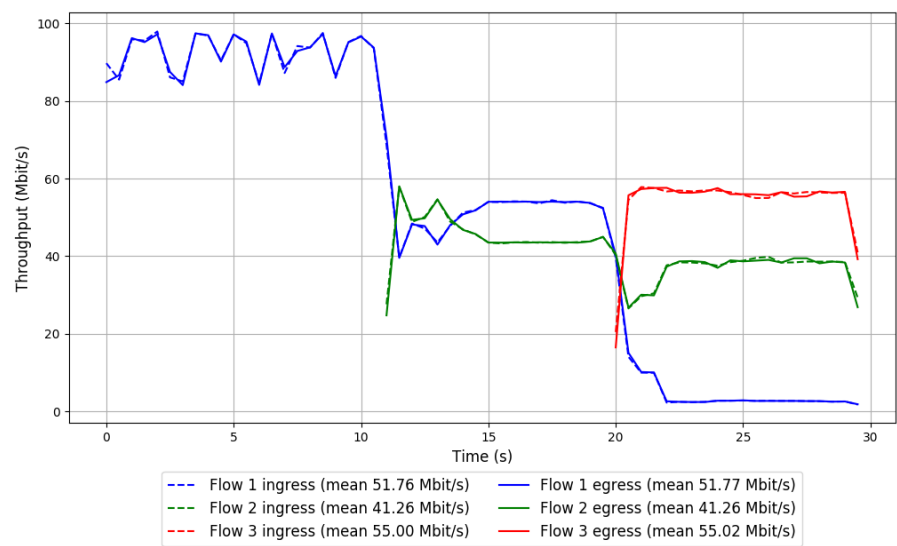


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-01 00:29:05
End at: 2018-02-01 00:29:35
Local clock offset: 0.283 ms
Remote clock offset: -16.032 ms

Below is generated by plot.py at 2018-02-01 05:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 26.105 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 25.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 25.953 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 27.811 ms
Loss rate: 0.43%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-01 00:50:54

End at: 2018-02-01 00:51:24

Local clock offset: 0.408 ms

Remote clock offset: 1.228 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 9.722 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 21.20 Mbit/s

95th percentile per-packet one-way delay: 5.737 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 9.665 ms

Loss rate: 0.10%

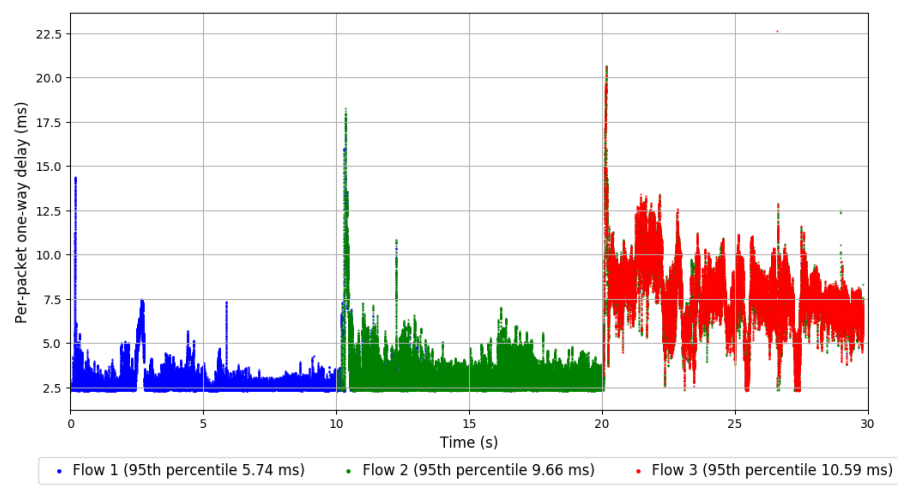
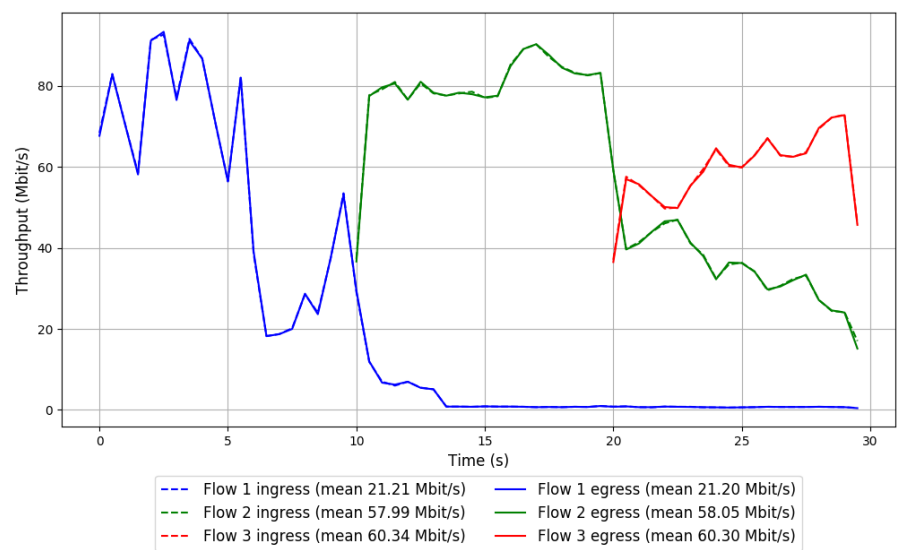
-- Flow 3:

Average throughput: 60.30 Mbit/s

95th percentile per-packet one-way delay: 10.586 ms

Loss rate: 0.12%

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

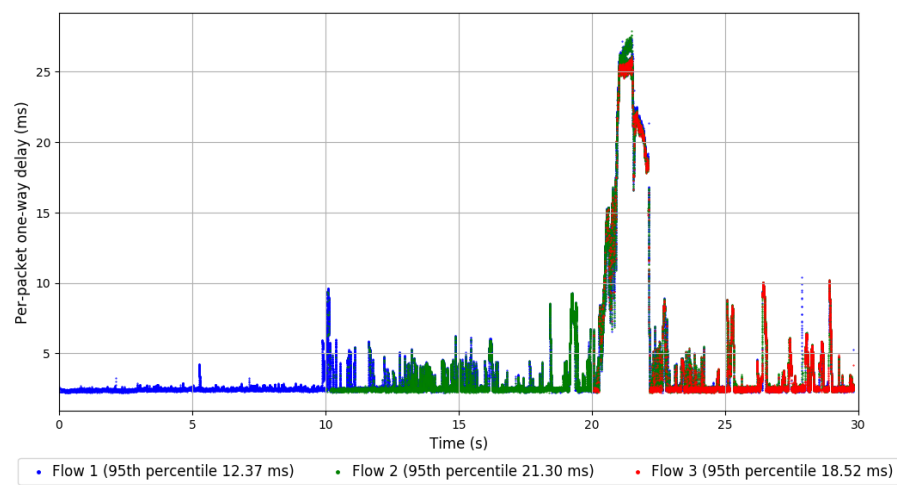
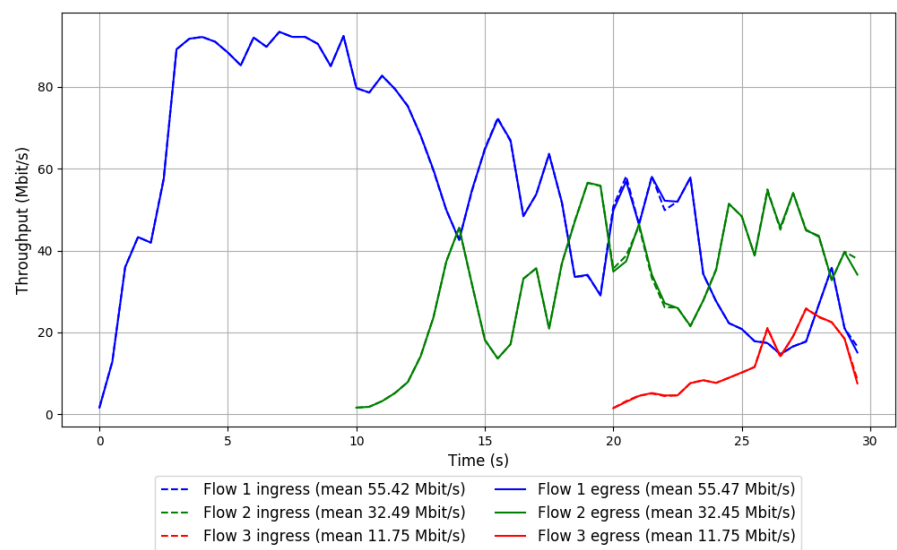


Run 1: Statistics of Vivace-latency

Start at: 2018-01-31 21:33:32
End at: 2018-01-31 21:34:02
Local clock offset: -0.041 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-02-01 05:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 15.937 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 12.368 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 21.301 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 18.518 ms
Loss rate: 0.43%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 21:55:43

End at: 2018-01-31 21:56:13

Local clock offset: -0.053 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-02-01 05:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.04 Mbit/s

95th percentile per-packet one-way delay: 4.720 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 52.64 Mbit/s

95th percentile per-packet one-way delay: 4.112 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 5.504 ms

Loss rate: 0.47%

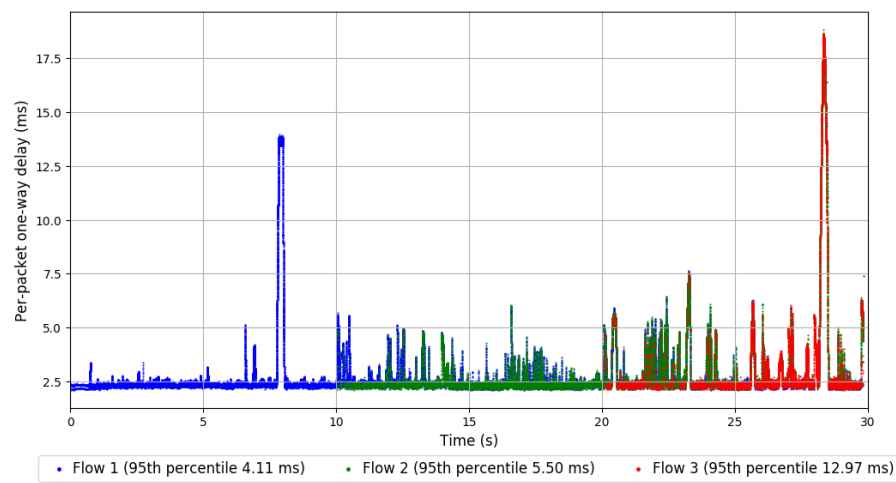
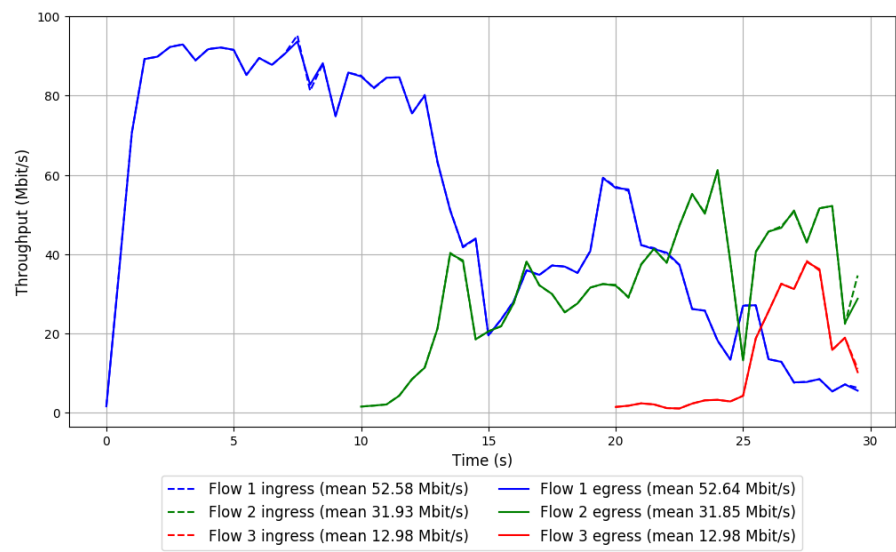
-- Flow 3:

Average throughput: 12.98 Mbit/s

95th percentile per-packet one-way delay: 12.974 ms

Loss rate: 0.38%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 22:17:12

End at: 2018-01-31 22:17:42

Local clock offset: -0.005 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-02-01 05:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.99 Mbit/s

95th percentile per-packet one-way delay: 14.498 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 13.80 Mbit/s

95th percentile per-packet one-way delay: 3.476 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.87 Mbit/s

95th percentile per-packet one-way delay: 14.582 ms

Loss rate: 0.61%

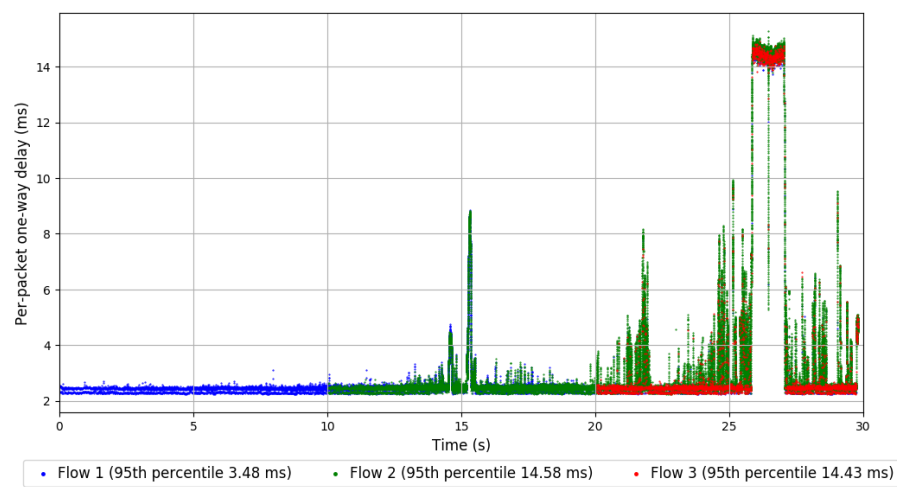
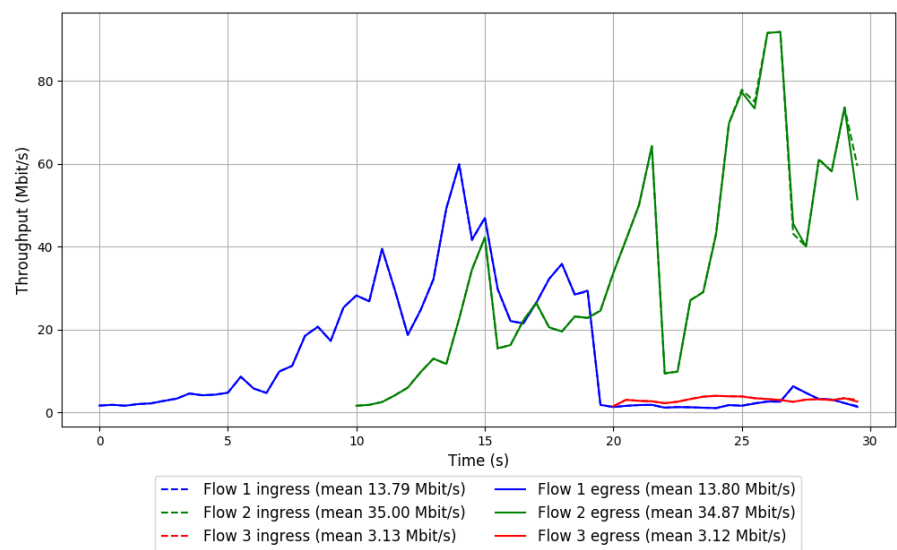
-- Flow 3:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 14.427 ms

Loss rate: 0.71%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 22:38:34

End at: 2018-01-31 22:39:04

Local clock offset: 0.017 ms

Remote clock offset: 0.547 ms

Below is generated by plot.py at 2018-02-01 05:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.64 Mbit/s

95th percentile per-packet one-way delay: 4.904 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 30.91 Mbit/s

95th percentile per-packet one-way delay: 4.667 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 21.34 Mbit/s

95th percentile per-packet one-way delay: 5.224 ms

Loss rate: 0.26%

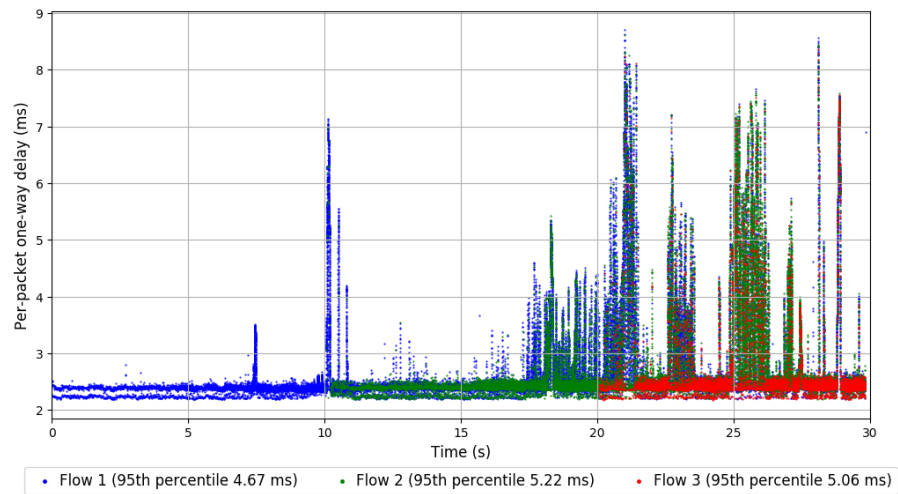
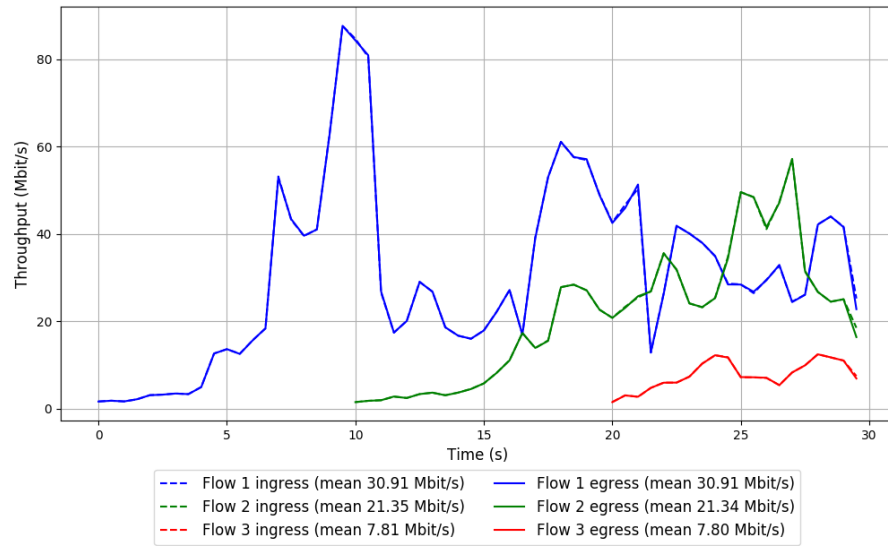
-- Flow 3:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 5.059 ms

Loss rate: 0.39%

Run 4: Report of Vivace-latency — Data Link

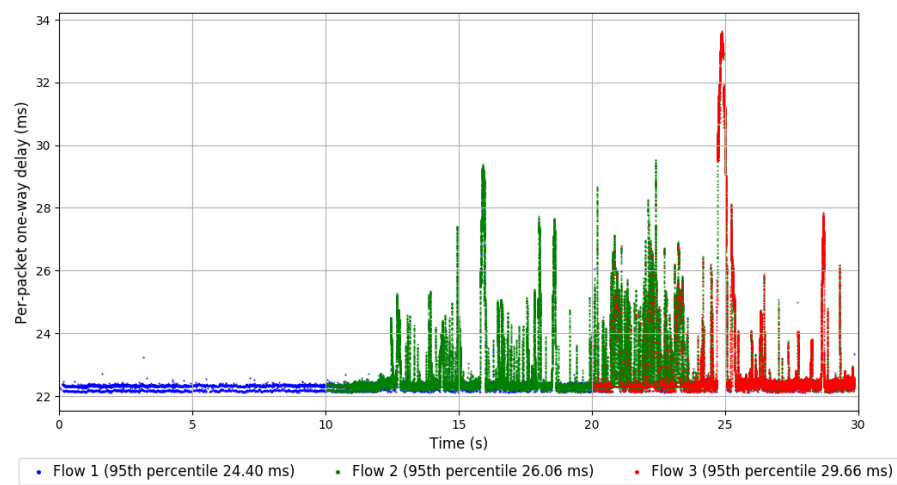
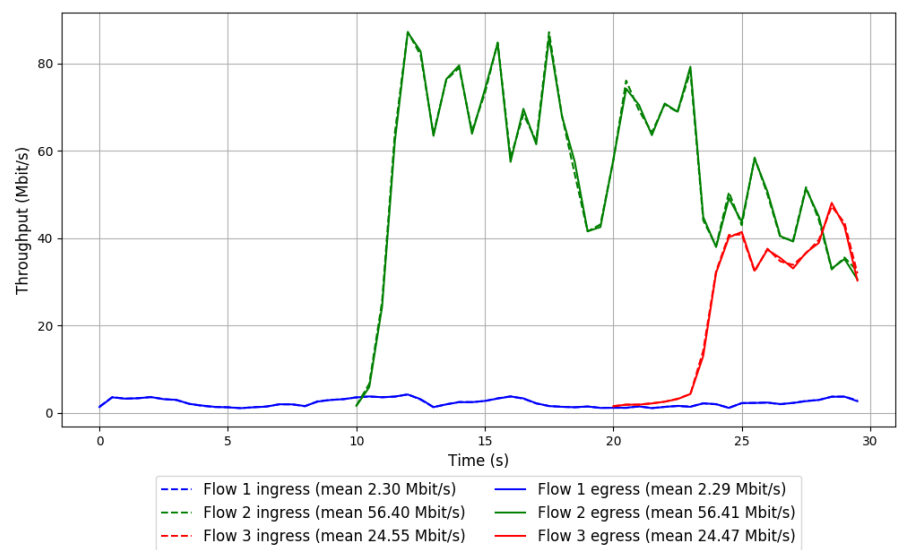


Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 23:00:21
End at: 2018-01-31 23:00:51
Local clock offset: -0.052 ms
Remote clock offset: -19.339 ms

Below is generated by plot.py at 2018-02-01 05:01:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 26.363 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 26.064 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 29.664 ms
Loss rate: 0.82%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 23:22:13

End at: 2018-01-31 23:22:43

Local clock offset: -0.1 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2018-02-01 05:02:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 11.911 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 11.343 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 21.75 Mbit/s

95th percentile per-packet one-way delay: 13.436 ms

Loss rate: 0.58%

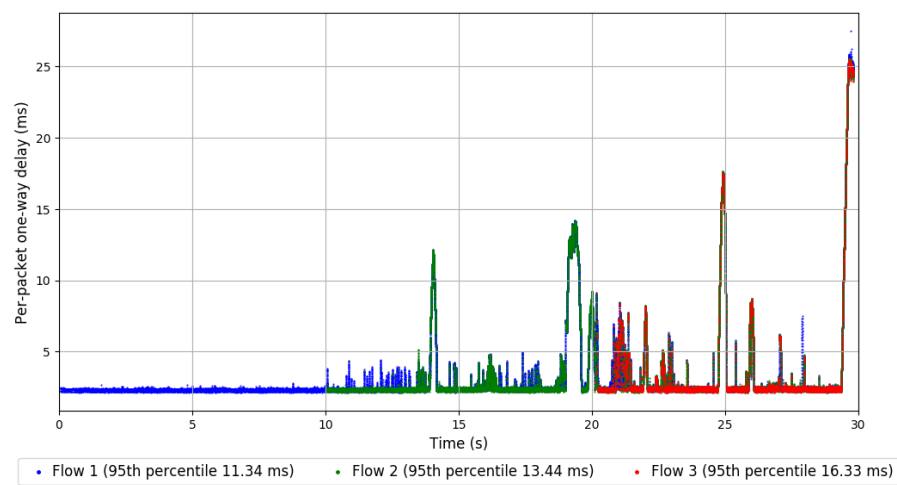
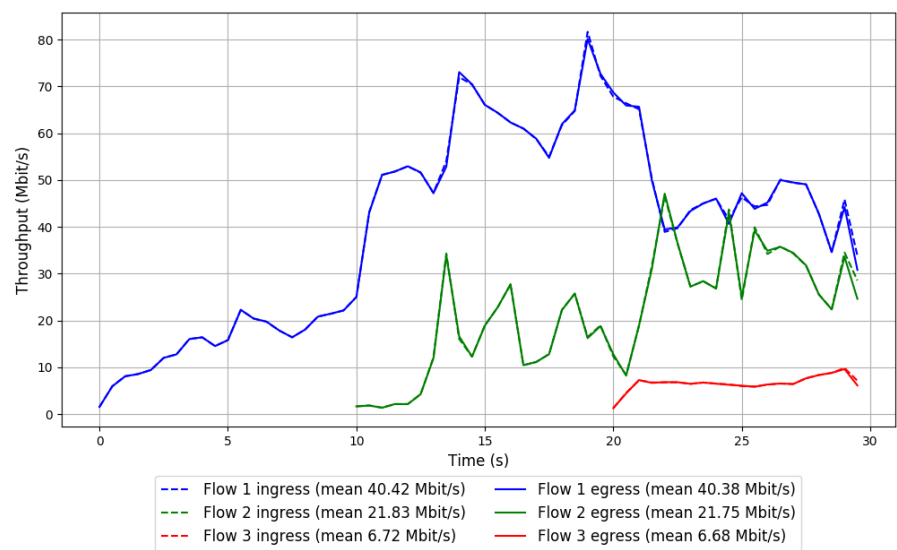
-- Flow 3:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 16.328 ms

Loss rate: 0.98%

Run 6: Report of Vivace-latency — Data Link

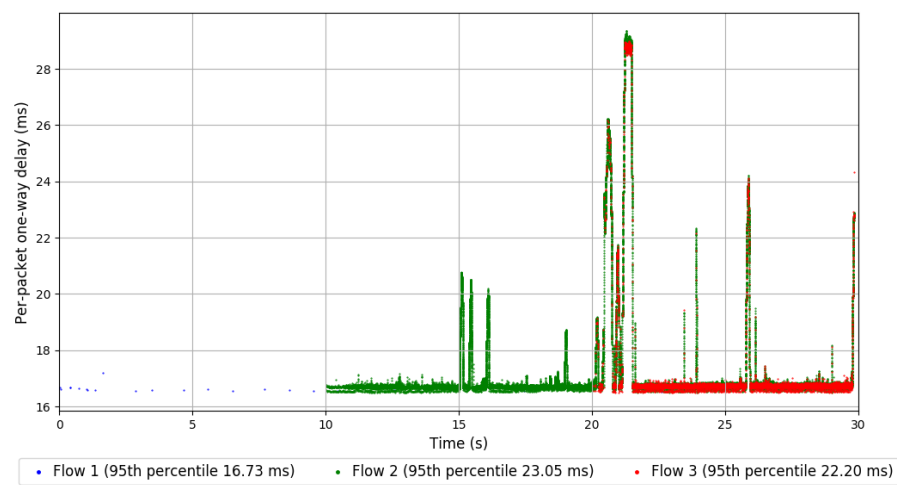
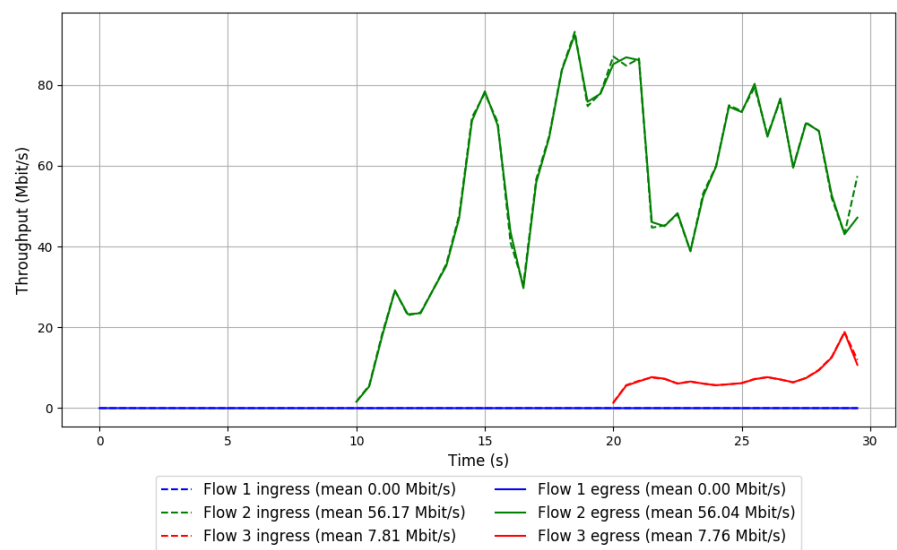


Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 23:44:01
End at: 2018-01-31 23:44:31
Local clock offset: -0.115 ms
Remote clock offset: -13.874 ms

Below is generated by plot.py at 2018-02-01 05:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 22.980 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.732 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 23.051 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 22.198 ms
Loss rate: 1.19%

Run 7: Report of Vivace-latency — Data Link

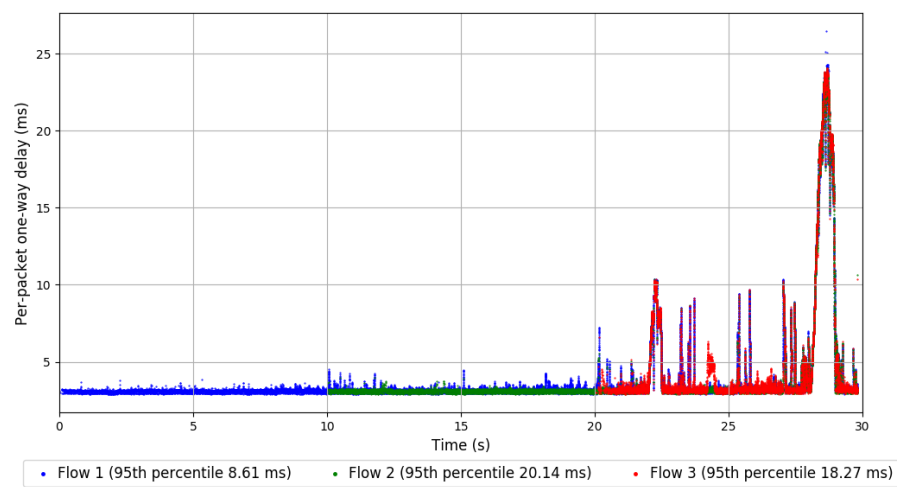
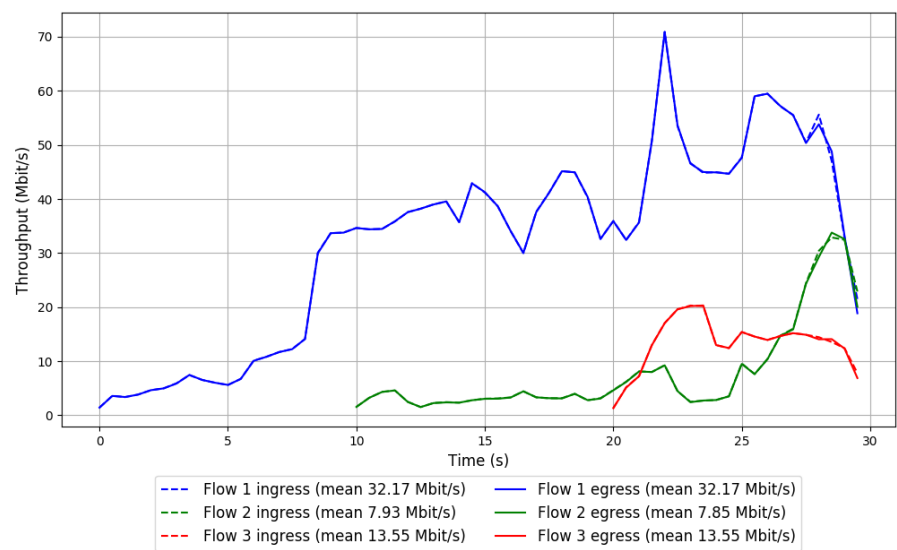


Run 8: Statistics of Vivace-latency

Start at: 2018-02-01 00:06:03
End at: 2018-02-01 00:06:33
Local clock offset: 0.066 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-02-01 05:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 12.879 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 8.613 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 20.144 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 18.275 ms
Loss rate: 0.37%

Run 8: Report of Vivace-latency — Data Link

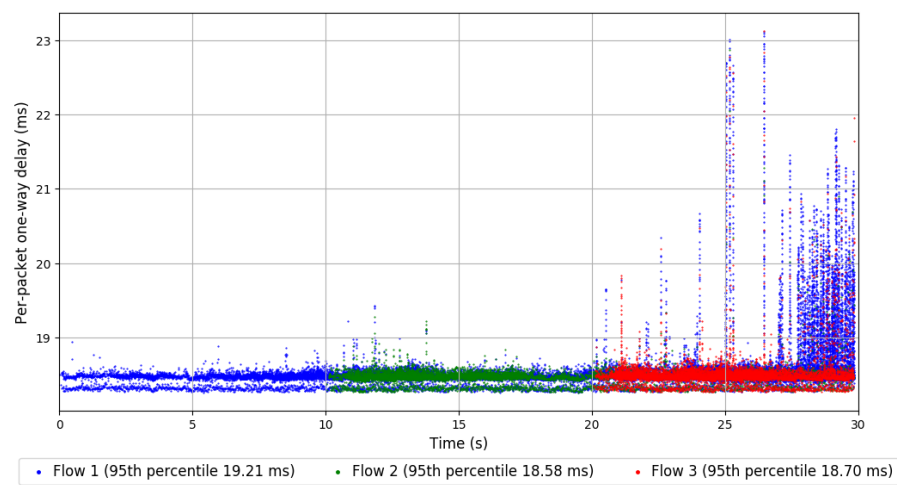
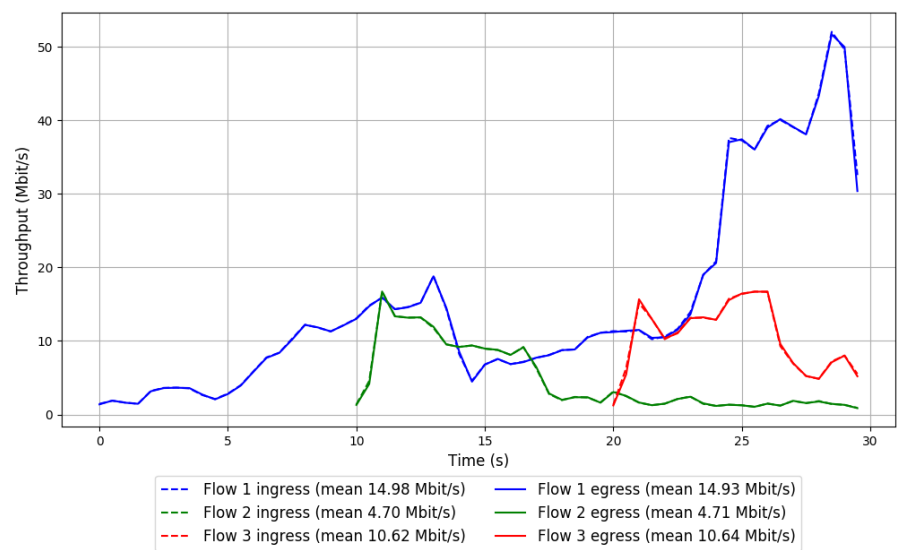


Run 9: Statistics of Vivace-latency

Start at: 2018-02-01 00:27:56
End at: 2018-02-01 00:28:26
Local clock offset: 0.21 ms
Remote clock offset: -15.093 ms

Below is generated by plot.py at 2018-02-01 05:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 18.983 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 18.579 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 18.703 ms
Loss rate: 0.30%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-01 00:49:42

End at: 2018-02-01 00:50:12

Local clock offset: 0.432 ms

Remote clock offset: 1.205 ms

Below is generated by plot.py at 2018-02-01 05:02:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.58 Mbit/s

95th percentile per-packet one-way delay: 23.348 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 23.676 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 18.571 ms

Loss rate: 0.17%

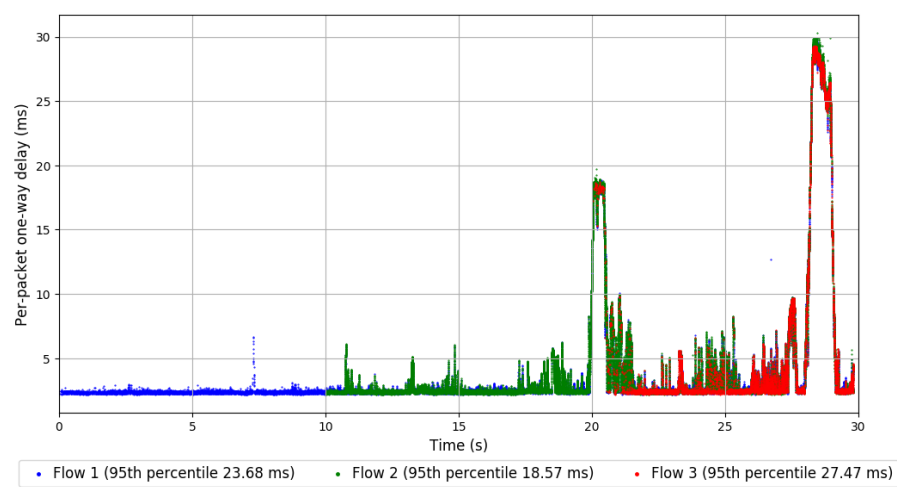
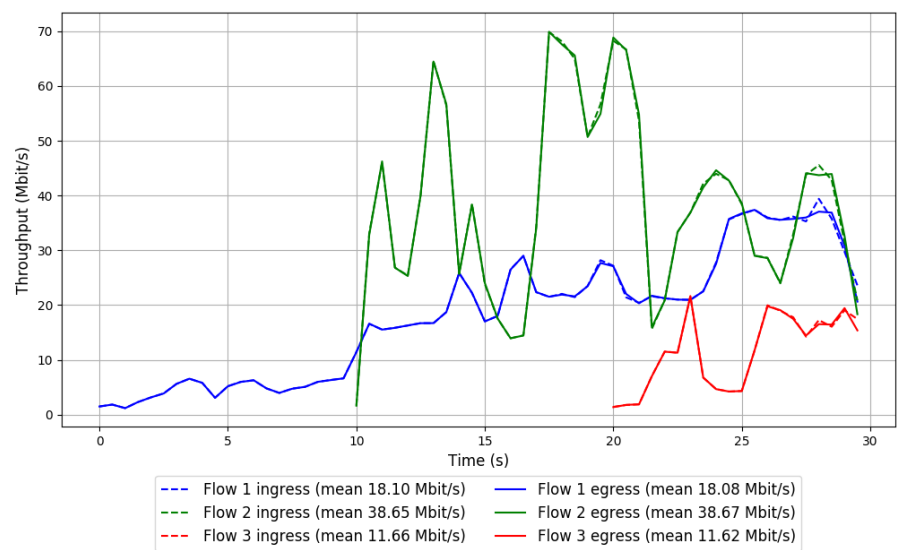
-- Flow 3:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 27.473 ms

Loss rate: 0.95%

Run 10: Report of Vivace-latency — Data Link

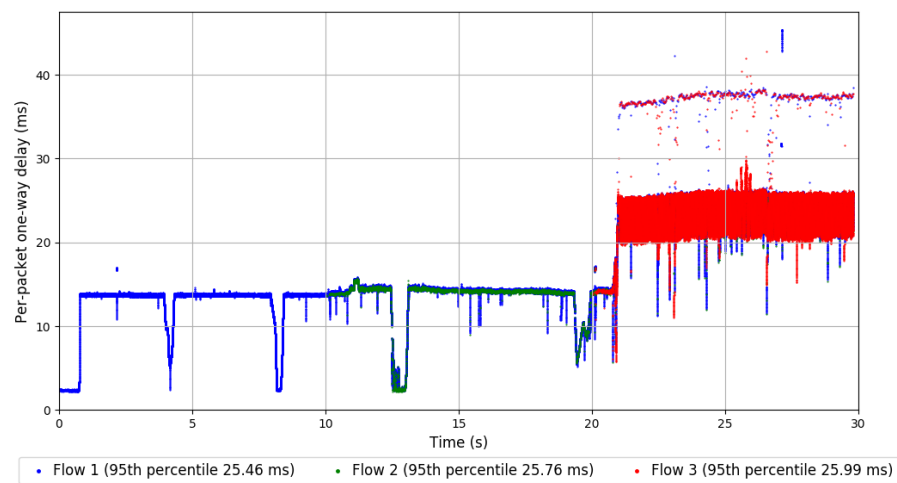
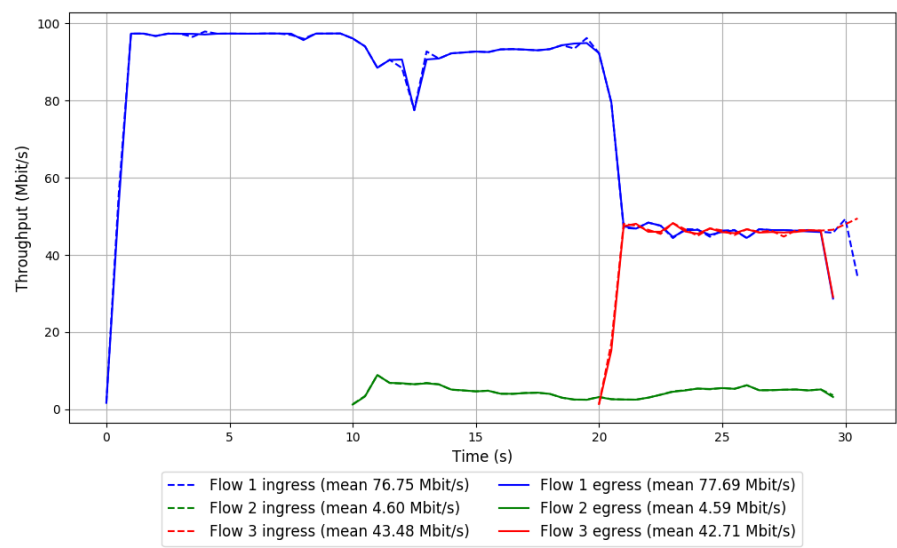


Run 1: Statistics of Vivace-loss

Start at: 2018-01-31 21:46:07
End at: 2018-01-31 21:46:37
Local clock offset: -0.002 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-02-01 05:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 25.702 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 25.456 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 25.761 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 25.987 ms
Loss rate: 12.30%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 22:07:34

End at: 2018-01-31 22:08:04

Local clock offset: -0.027 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-02-01 05:03:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 14.564 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 14.564 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 14.578 ms

Loss rate: 0.22%

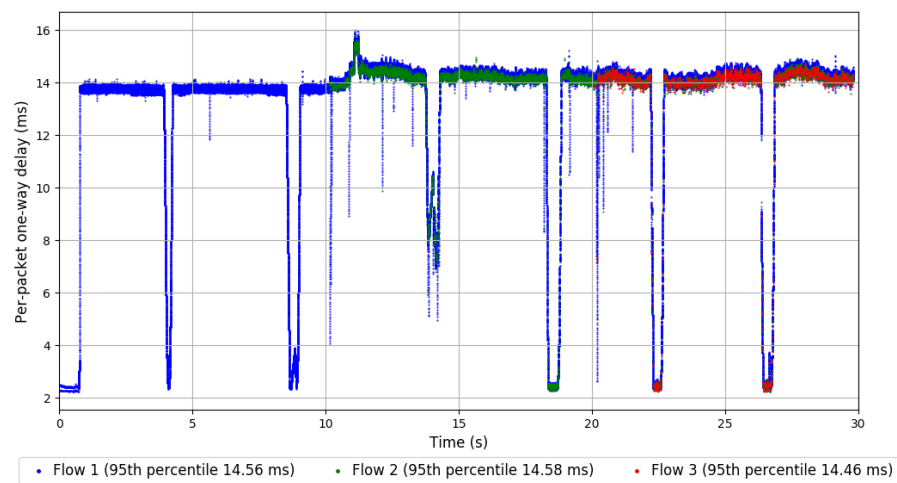
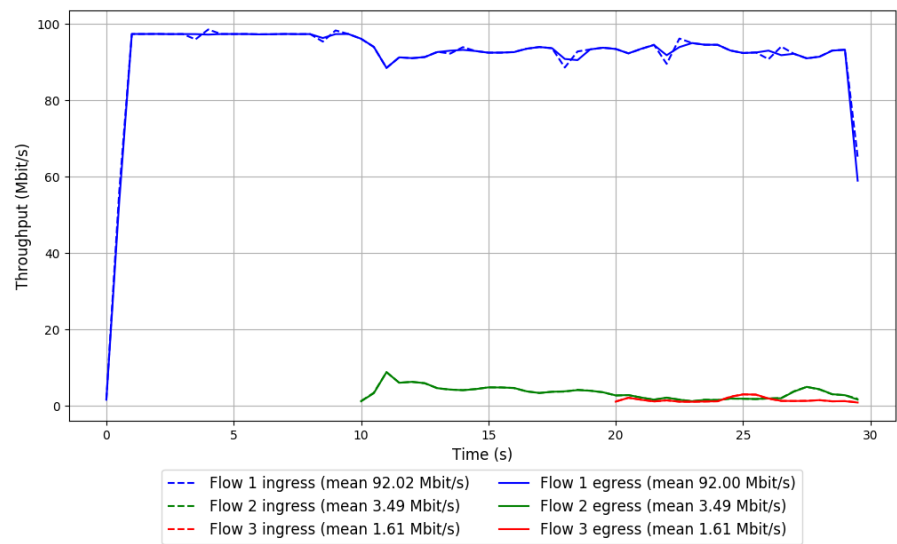
-- Flow 3:

Average throughput: 1.61 Mbit/s

95th percentile per-packet one-way delay: 14.465 ms

Loss rate: 0.38%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 22:29:00

End at: 2018-01-31 22:29:30

Local clock offset: -0.065 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-02-01 05:03:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 25.432 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 78.12 Mbit/s

95th percentile per-packet one-way delay: 25.195 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 25.367 ms

Loss rate: 0.98%

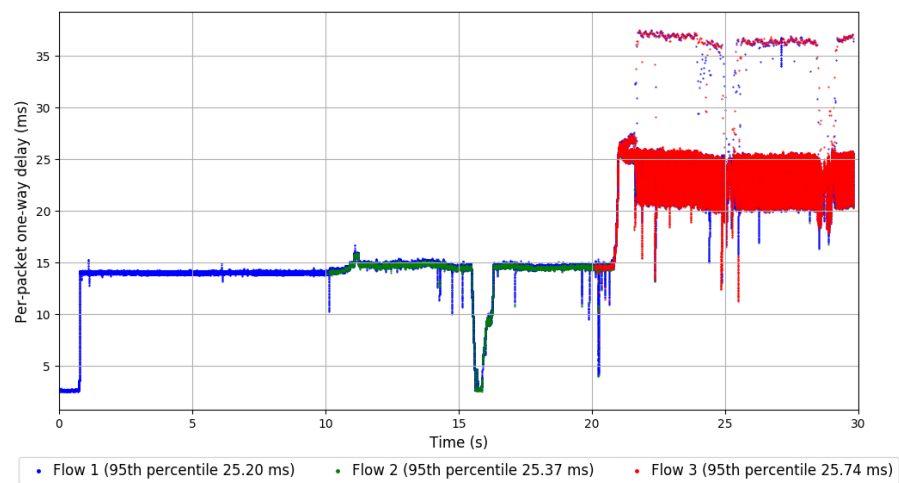
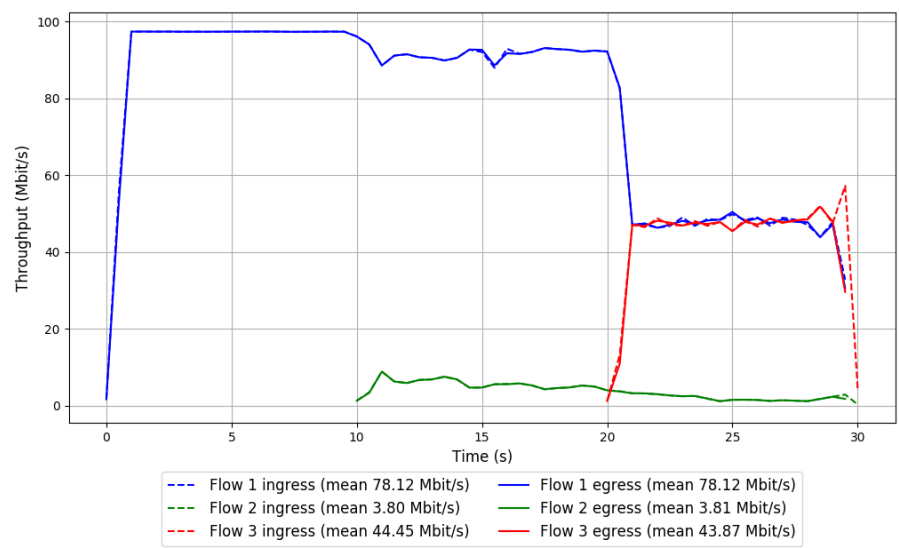
-- Flow 3:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 25.744 ms

Loss rate: 3.84%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 22:50:28

End at: 2018-01-31 22:50:58

Local clock offset: 0.005 ms

Remote clock offset: -19.196 ms

Run 4: Report of Vivace-loss — Data Link

Figure is missing

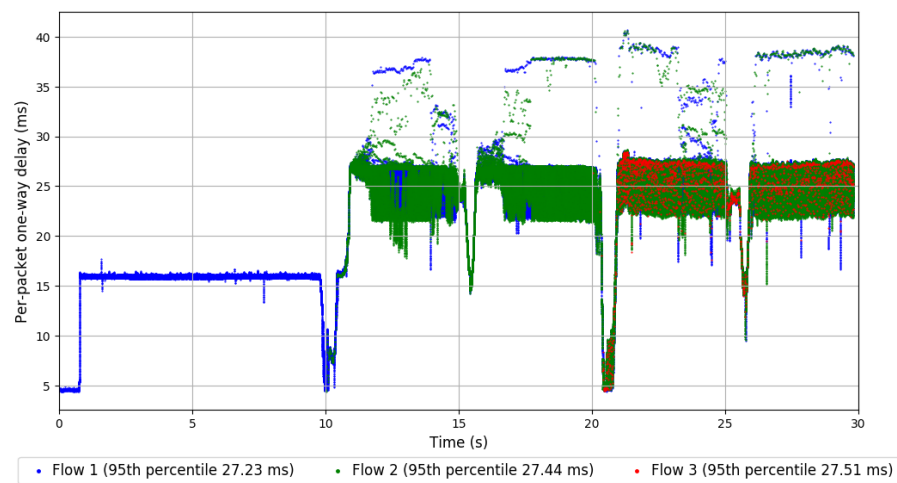
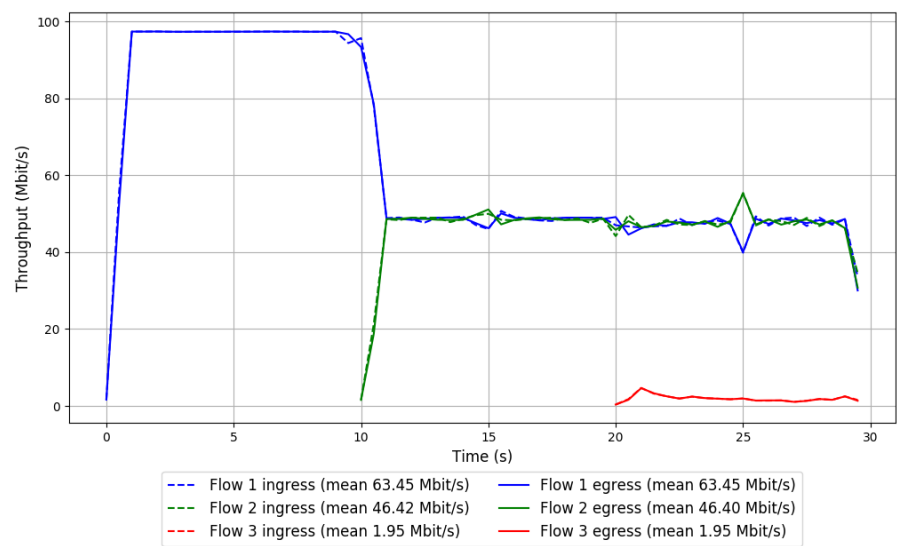
Figure is missing

Run 5: Statistics of Vivace-loss

Start at: 2018-01-31 23:12:25
End at: 2018-01-31 23:12:55
Local clock offset: -0.019 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2018-02-01 05:03:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 27.328 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 27.231 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 27.441 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 27.511 ms
Loss rate: 0.78%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 23:34:15

End at: 2018-01-31 23:34:45

Local clock offset: -0.078 ms

Remote clock offset: 0.416 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-01-31 23:55:51

End at: 2018-01-31 23:56:21

Local clock offset: 0.017 ms

Remote clock offset: 0.598 ms

Below is generated by plot.py at 2018-02-01 05:03:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 25.091 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 79.41 Mbit/s

95th percentile per-packet one-way delay: 24.708 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 25.023 ms

Loss rate: 0.15%

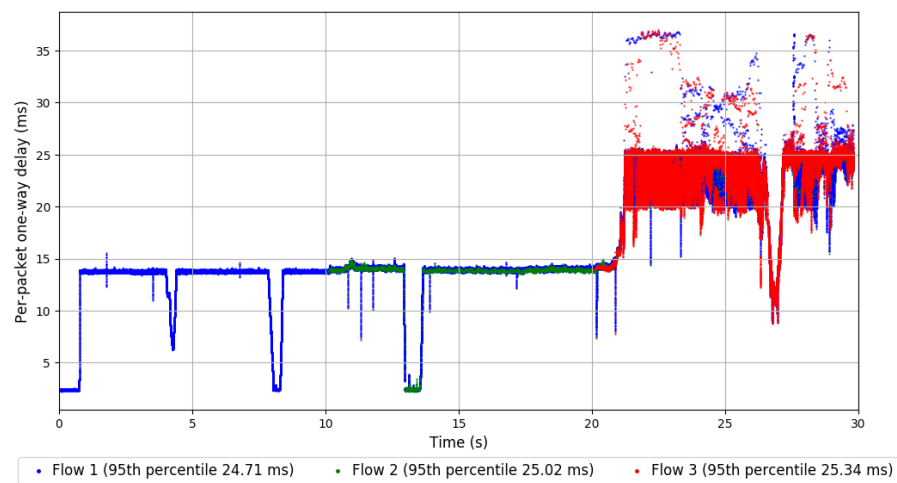
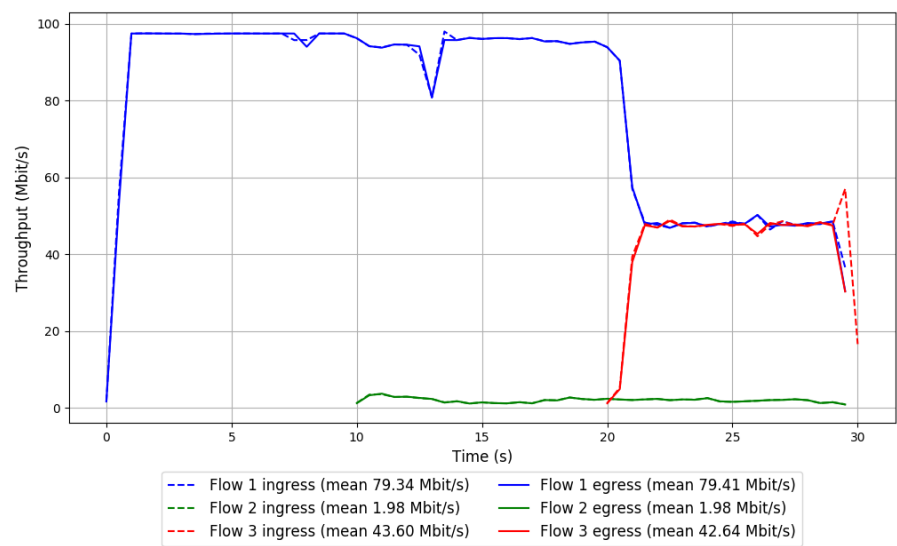
-- Flow 3:

Average throughput: 42.64 Mbit/s

95th percentile per-packet one-way delay: 25.344 ms

Loss rate: 5.22%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-01 00:18:02

End at: 2018-02-01 00:18:32

Local clock offset: 0.127 ms

Remote clock offset: -12.254 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-02-01 00:39:57

End at: 2018-02-01 00:40:27

Local clock offset: 0.269 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-02-01 05:03:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 35.197 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 59.76 Mbit/s

95th percentile per-packet one-way delay: 34.573 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 35.318 ms

Loss rate: 2.42%

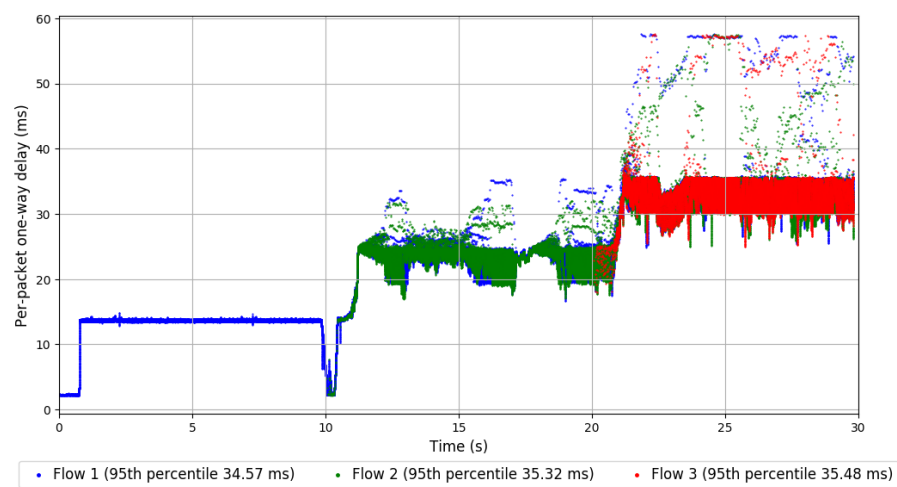
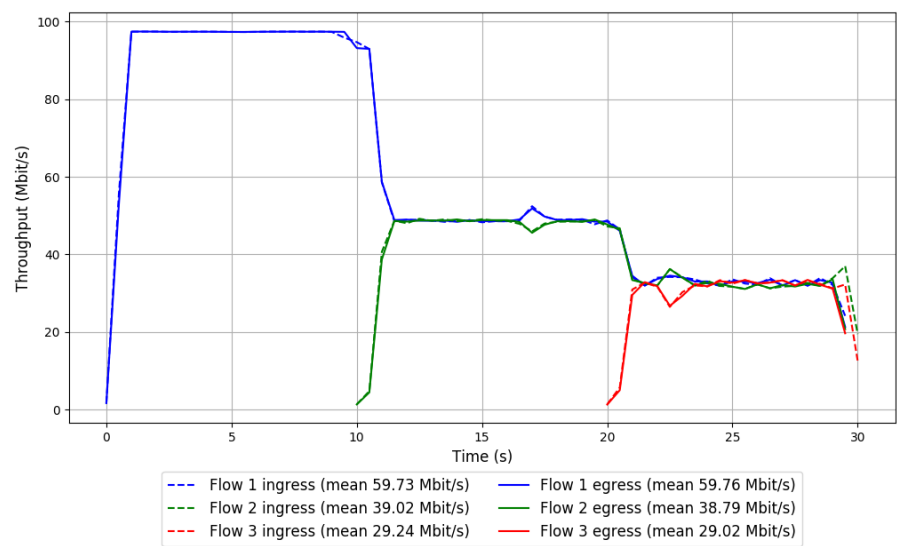
-- Flow 3:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 35.475 ms

Loss rate: 4.60%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-01 01:01:59

End at: 2018-02-01 01:02:29

Local clock offset: 0.45 ms

Remote clock offset: 1.306 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

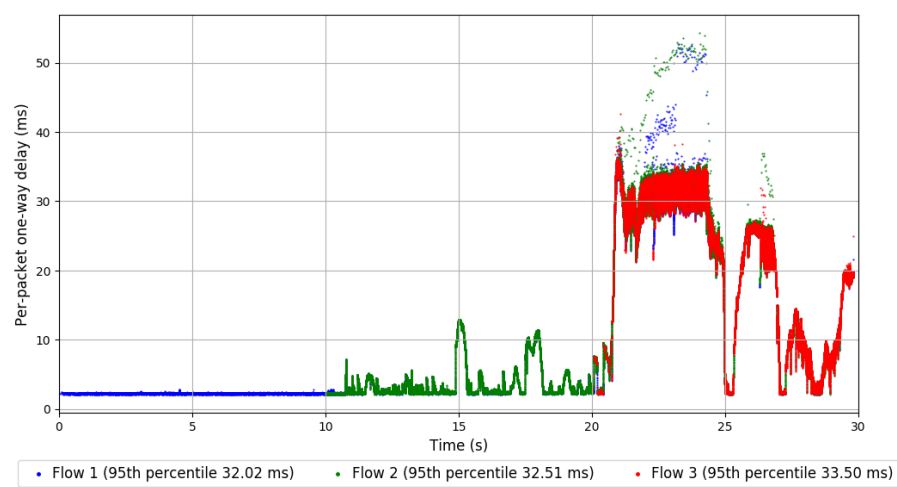
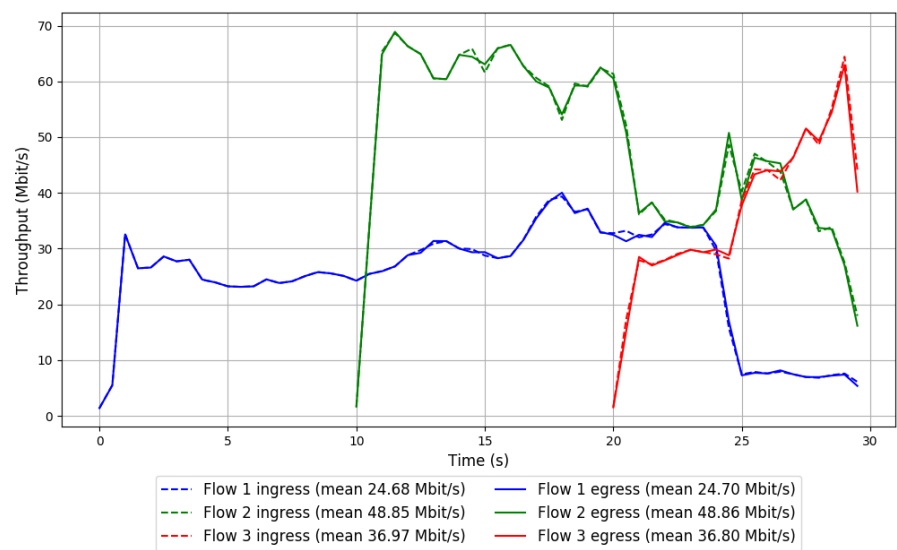
Figure is missing

Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 21:40:40
End at: 2018-01-31 21:41:10
Local clock offset: -0.101 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-02-01 05:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 32.511 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 0.86%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 22:02:52

End at: 2018-01-31 22:03:22

Local clock offset: -0.038 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-02-01 05:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 33.725 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 62.11 Mbit/s

95th percentile per-packet one-way delay: 32.915 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 33.999 ms

Loss rate: 0.45%

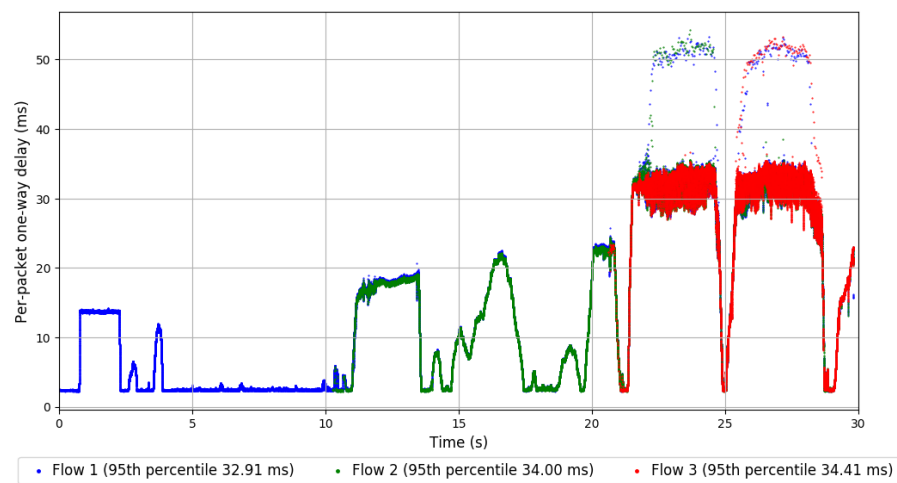
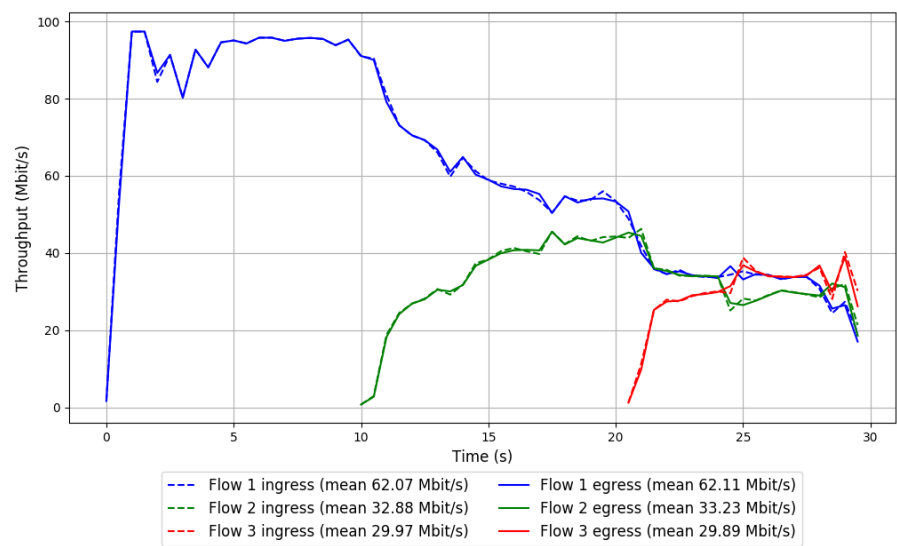
-- Flow 3:

Average throughput: 29.89 Mbit/s

95th percentile per-packet one-way delay: 34.408 ms

Loss rate: 0.97%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 22:24:19

End at: 2018-01-31 22:24:49

Local clock offset: -0.08 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-02-01 05:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 32.913 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 32.163 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 37.98 Mbit/s

95th percentile per-packet one-way delay: 32.978 ms

Loss rate: 0.24%

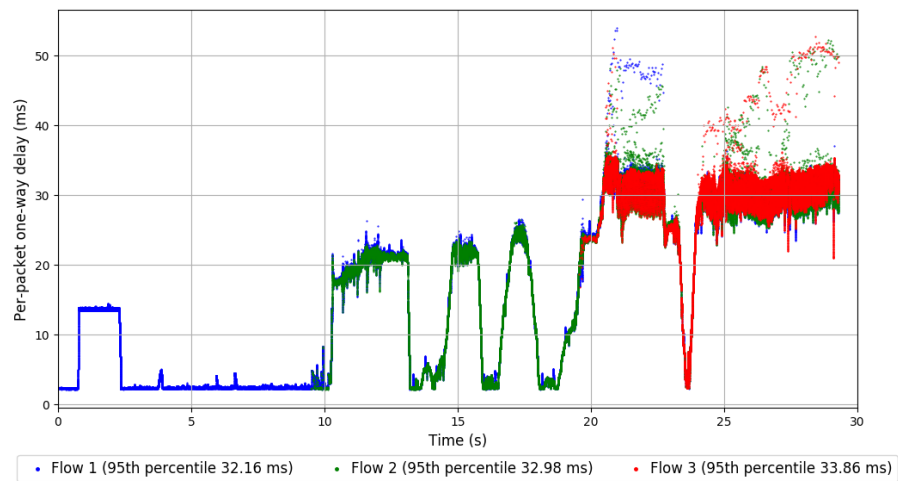
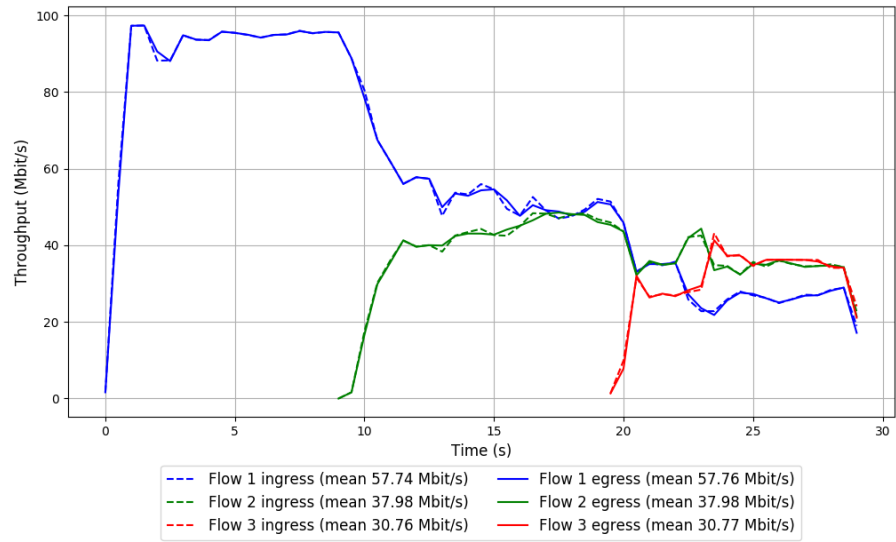
-- Flow 3:

Average throughput: 30.77 Mbit/s

95th percentile per-packet one-way delay: 33.863 ms

Loss rate: 0.85%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 22:45:36

End at: 2018-01-31 22:46:06

Local clock offset: -0.073 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2018-02-01 05:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 26.105 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 47.37 Mbit/s

95th percentile per-packet one-way delay: 25.757 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 41.67 Mbit/s

95th percentile per-packet one-way delay: 26.272 ms

Loss rate: 0.46%

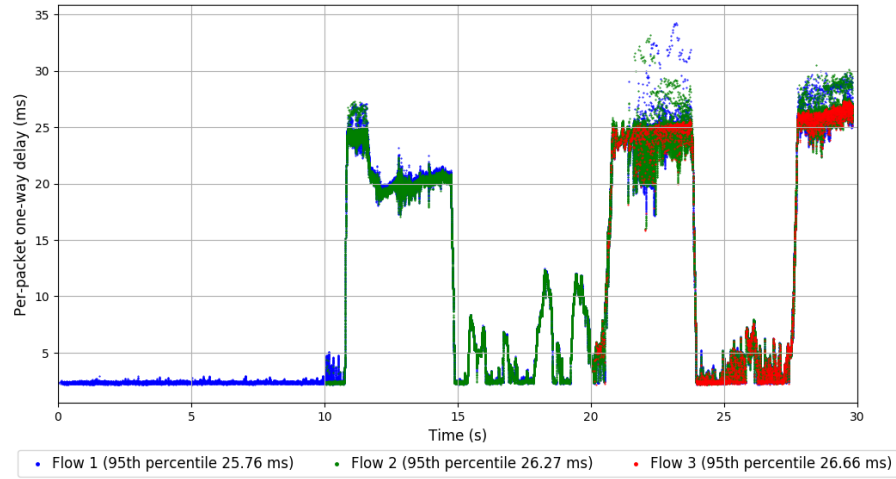
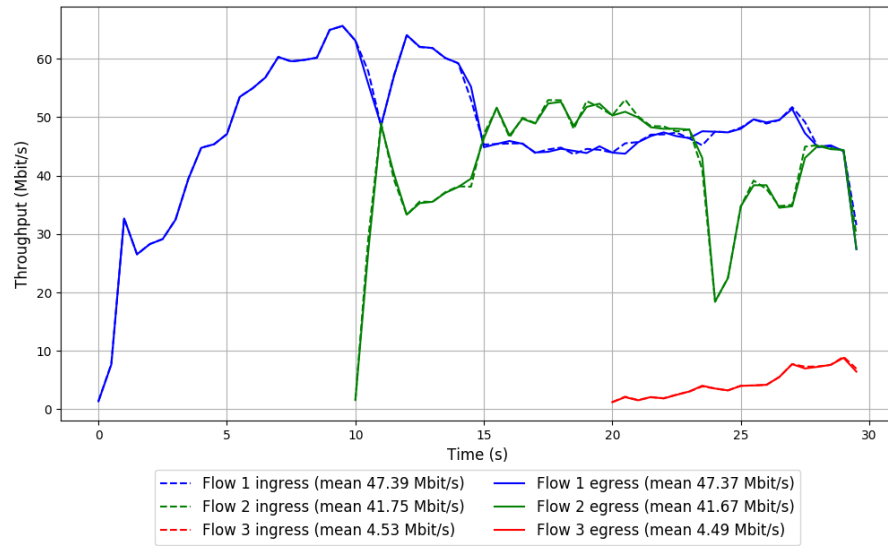
-- Flow 3:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 26.659 ms

Loss rate: 1.22%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 23:07:32

End at: 2018-01-31 23:08:02

Local clock offset: -0.03 ms

Remote clock offset: 0.649 ms

Below is generated by plot.py at 2018-02-01 05:04:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 20.005 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 18.319 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 20.327 ms

Loss rate: 0.15%

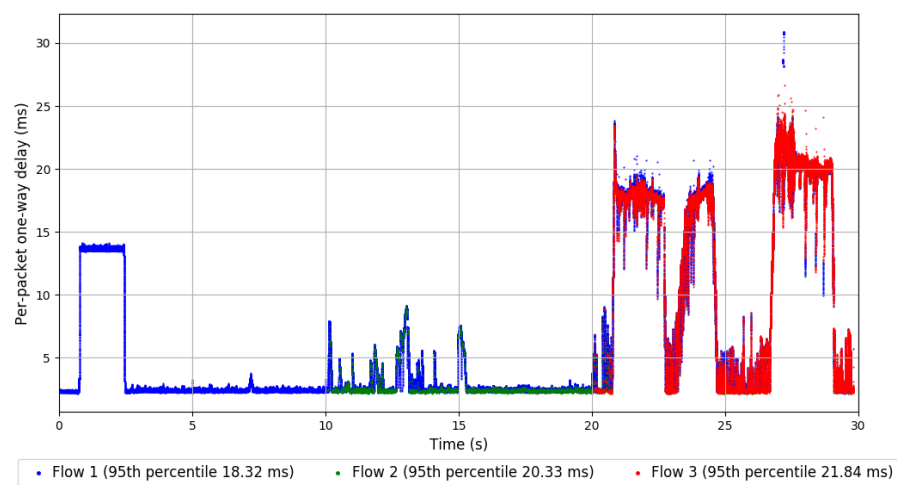
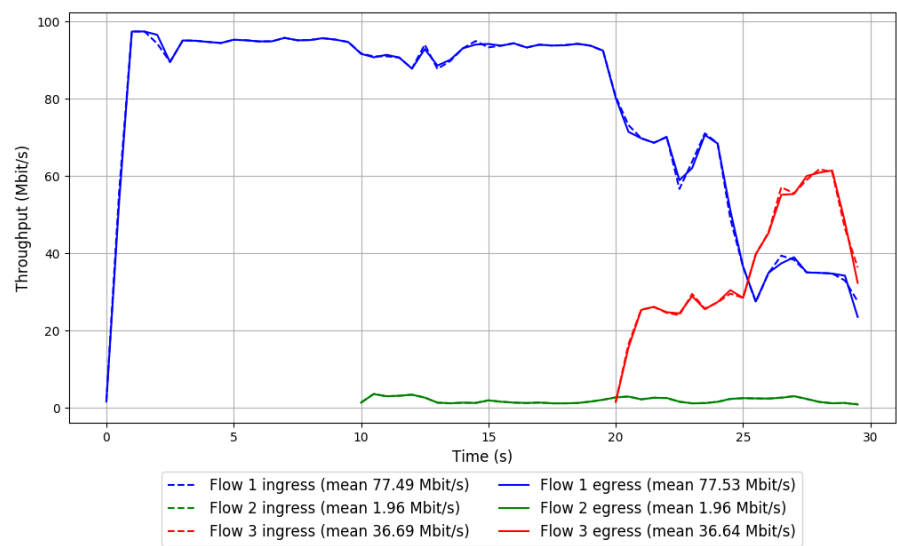
-- Flow 3:

Average throughput: 36.64 Mbit/s

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

Loss rate: 0.60%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 23:29:26

End at: 2018-01-31 23:29:56

Local clock offset: -0.083 ms

Remote clock offset: 0.528 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 34.932 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 56.54 Mbit/s

95th percentile per-packet one-way delay: 33.843 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 34.940 ms

Loss rate: 0.26%

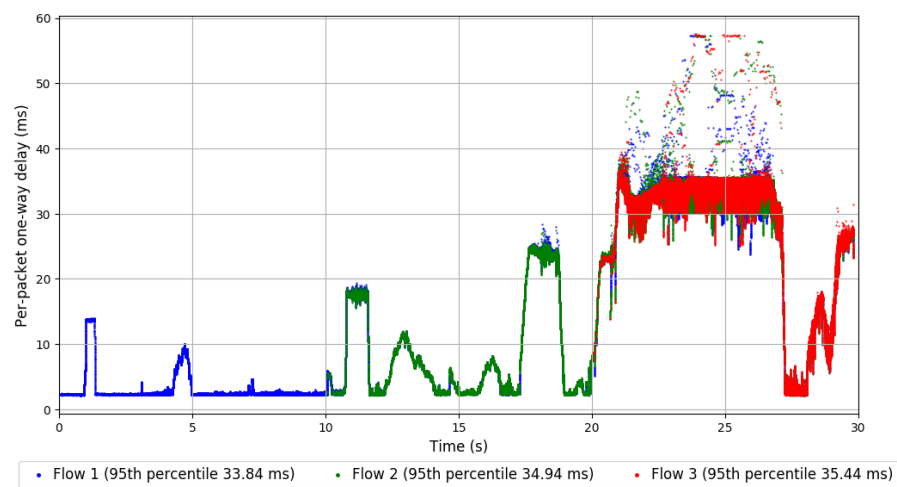
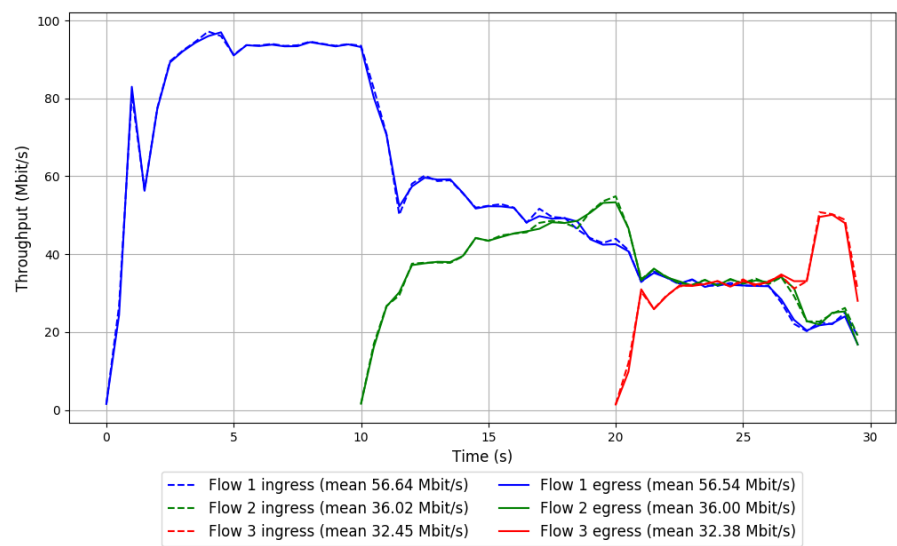
-- Flow 3:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 35.438 ms

Loss rate: 0.82%

Run 6: Report of Vivace-LTE — Data Link

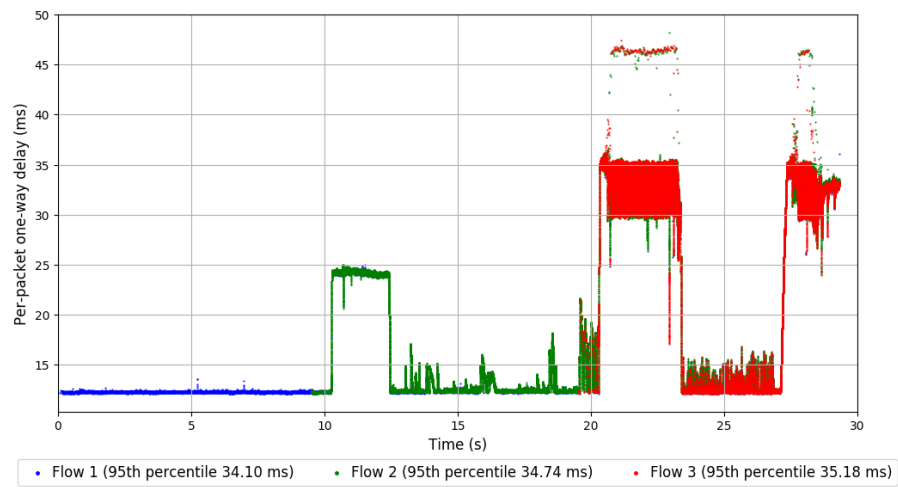
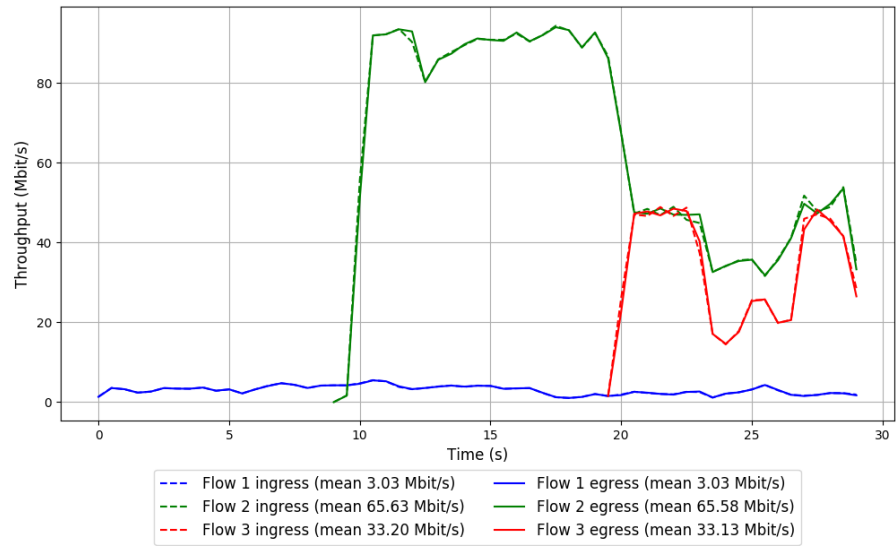


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-31 23:51:08
End at: 2018-01-31 23:51:38
Local clock offset: -0.006 ms
Remote clock offset: -9.325 ms

Below is generated by plot.py at 2018-02-01 05:04:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 34.972 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 34.099 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 34.738 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 35.181 ms
Loss rate: 0.72%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-01 00:13:15

End at: 2018-02-01 00:13:45

Local clock offset: 0.155 ms

Remote clock offset: 0.817 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.77 Mbit/s

95th percentile per-packet one-way delay: 19.315 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 18.861 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 76.85 Mbit/s

95th percentile per-packet one-way delay: 19.295 ms

Loss rate: 0.16%

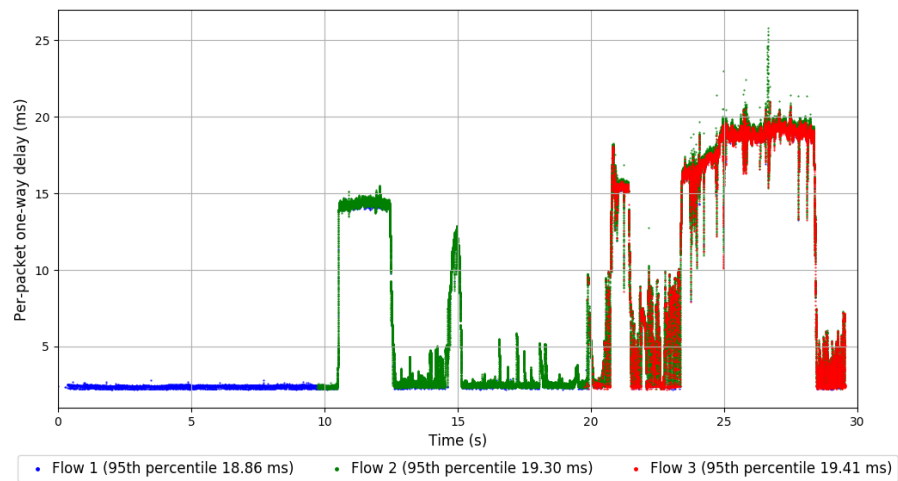
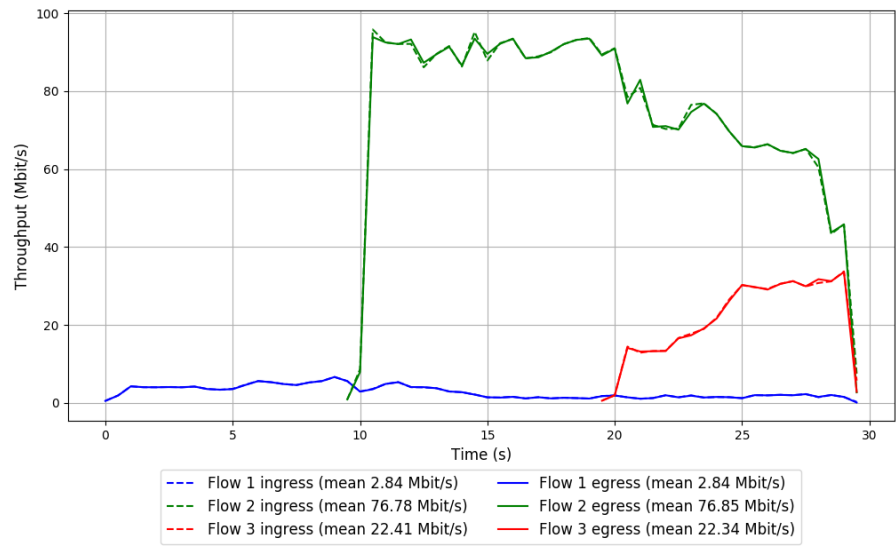
-- Flow 3:

Average throughput: 22.34 Mbit/s

95th percentile per-packet one-way delay: 19.410 ms

Loss rate: 0.73%

Run 8: Report of Vivace-LTE — Data Link

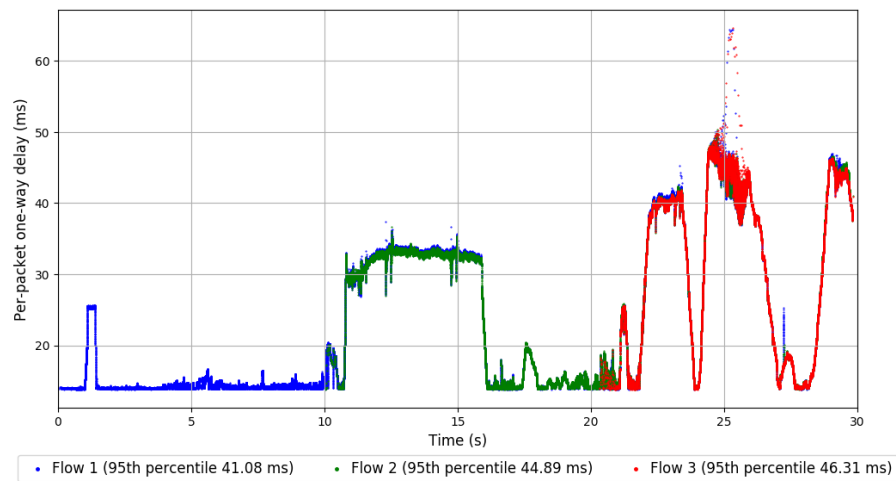
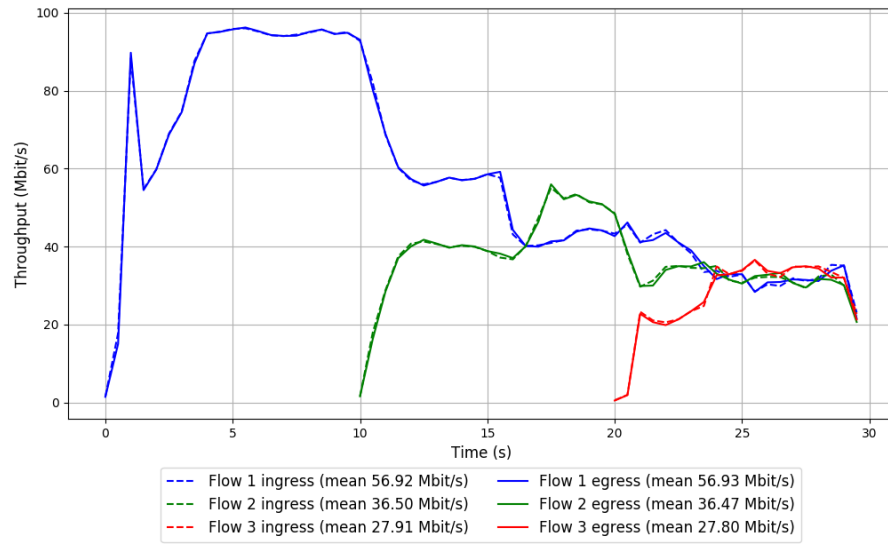


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-01 00:35:11
End at: 2018-02-01 00:35:41
Local clock offset: 0.335 ms
Remote clock offset: -10.508 ms

Below is generated by plot.py at 2018-02-01 05:04:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 44.174 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 41.077 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 44.892 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 46.311 ms
Loss rate: 0.82%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-01 00:56:59
End at: 2018-02-01 00:57:29
Local clock offset: 0.418 ms
Remote clock offset: -1.829 ms

Below is generated by plot.py at 2018-02-01 05:04:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 37.048 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 35.587 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 37.363 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 38.250 ms
Loss rate: 0.99%

Run 10: Report of Vivace-LTE — Data Link

