

Pantheon Report

Generated at 2019-01-03 11:50:16 (UTC).

Data path: Mexico on **em1** (*remote*) → AWS California 2 on **ens5** (*local*).

Repeated the test of 19 congestion control schemes 5 times.

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

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

System info:

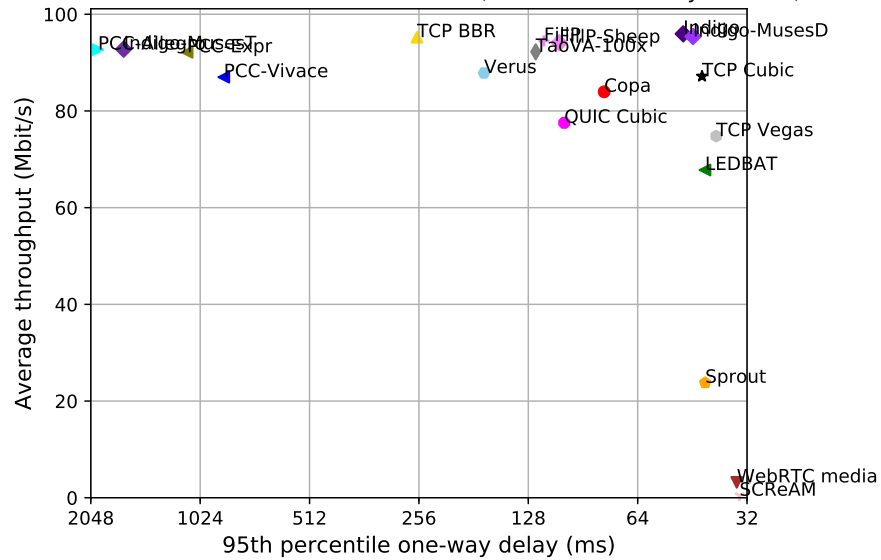
```
Linux 4.15.0-1029-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

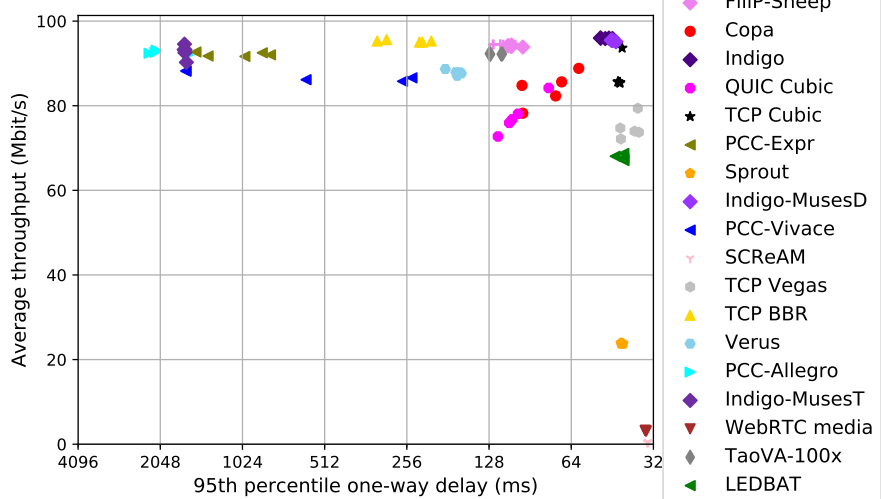
```
branch: muses @ c654af0b7d59d4ef4b914cfac404e1fc2e96dc68
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a
third_party/muses-refactored @ 31f8f0ba8ef8b1da76c2bc0cd0a7850c33ff64fb
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  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 @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Mexico to AWS California 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico to AWS California 2, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



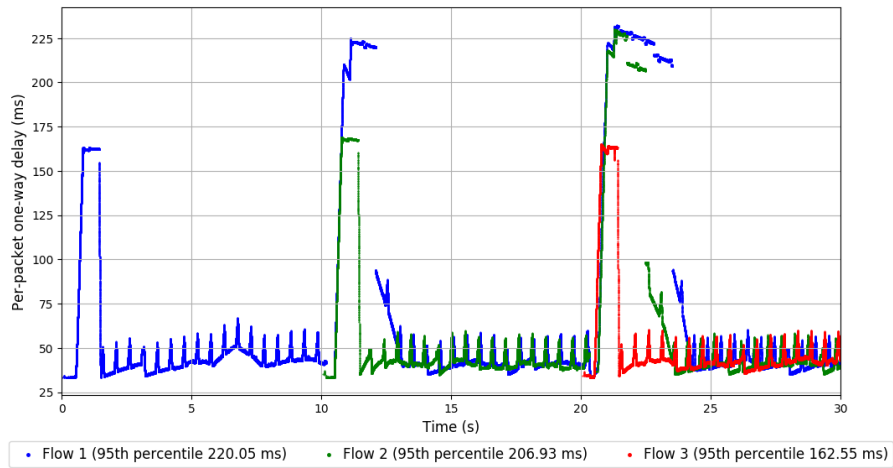
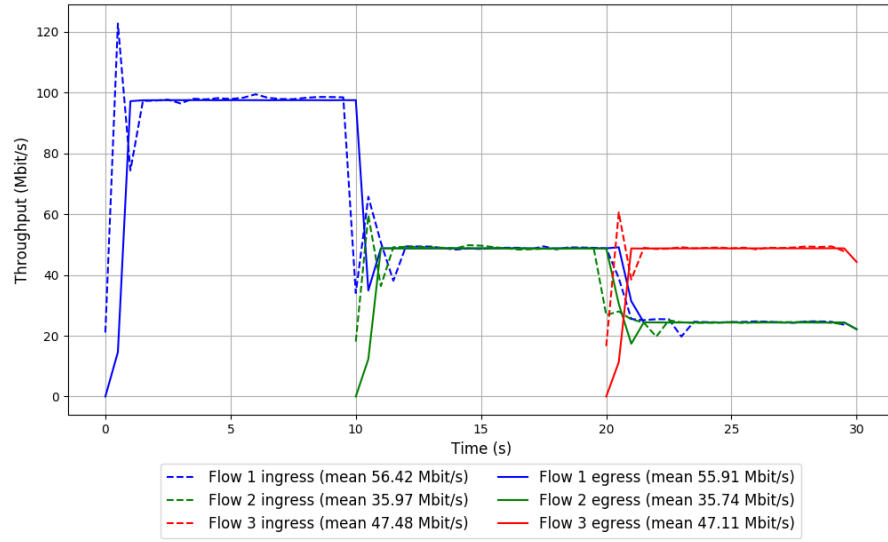
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|---------------|--------|------------------------|--------|--------|---------------------------|---------|---------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 5 | 57.07 | 38.17 | 38.62 | 189.48 | 216.89 | 408.94 | 0.95 | 1.25 | 2.67 |
| Copa | 5 | 49.94 | 35.58 | 31.22 | 102.85 | 45.43 | 68.29 | 0.25 | 0.33 | 0.81 |
| TCP Cubic | 5 | 50.37 | 37.57 | 35.64 | 45.75 | 41.38 | 43.83 | 0.16 | 0.31 | 0.70 |
| FillP | 5 | 59.16 | 39.60 | 27.10 | 77.78 | 132.36 | 120.50 | 0.27 | 4.16 | 2.93 |
| FillP-Sheep | 5 | 55.99 | 41.23 | 32.35 | 105.92 | 91.11 | 107.79 | 0.24 | 0.63 | 1.36 |
| Indigo | 5 | 58.87 | 37.92 | 36.33 | 45.59 | 54.41 | 47.58 | 0.23 | 0.40 | 0.76 |
| Indigo-MusesD | 5 | 59.31 | 40.58 | 27.61 | 45.16 | 44.45 | 48.81 | 0.14 | 0.30 | 0.74 |
| Indigo-MusesT | 5 | 57.18 | 40.54 | 28.60 | 1569.43 | 1715.19 | 2039.68 | 15.19 | 27.32 | 51.13 |
| LEDBAT | 5 | 40.39 | 29.35 | 23.77 | 41.54 | 42.66 | 40.31 | 0.14 | 0.36 | 1.06 |
| PCC-Allegro | 5 | 56.90 | 37.77 | 32.54 | 2008.69 | 1367.87 | 342.04 | 17.65 | 14.26 | 4.04 |
| PCC-Expr | 5 | 57.89 | 37.07 | 29.18 | 893.18 | 1218.37 | 161.43 | 33.11 | 12.11 | 2.10 |
| QUIC Cubic | 5 | 46.34 | 32.41 | 29.42 | 82.84 | 121.33 | 135.62 | 0.21 | 0.39 | 1.23 |
| SCReAM | 5 | 0.21 | 0.21 | 0.22 | 33.55 | 33.56 | 33.55 | 0.21 | 0.40 | 0.71 |
| Sprout | 5 | 12.01 | 11.89 | 11.75 | 41.52 | 41.56 | 42.21 | 0.24 | 0.32 | 0.63 |
| TaoVA-100x | 5 | 54.75 | 42.18 | 28.40 | 119.53 | 119.92 | 147.63 | 0.66 | 1.18 | 3.64 |
| TCP Vegas | 5 | 41.63 | 32.61 | 34.60 | 46.31 | 36.08 | 36.27 | 0.21 | 0.25 | 0.70 |
| Verus | 5 | 52.96 | 35.54 | 34.03 | 139.83 | 163.56 | 294.03 | 0.27 | 0.52 | 1.37 |
| PCC-Vivace | 5 | 55.12 | 34.55 | 27.07 | 947.32 | 242.93 | 127.11 | 2.51 | 1.33 | 1.19 |
| WebRTC media | 5 | 1.75 | 1.02 | 0.43 | 34.10 | 34.15 | 34.31 | 0.14 | 0.28 | 0.43 |

Run 1: Statistics of TCP BBR

Start at: 2019-01-03 09:49:27
End at: 2019-01-03 09:49:57
Local clock offset: 0.367 ms
Remote clock offset: -4.641 ms

Below is generated by plot.py at 2019-01-03 11:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 208.354 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 220.051 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 206.929 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 162.546 ms
Loss rate: 1.41%

Run 1: Report of TCP BBR — Data Link

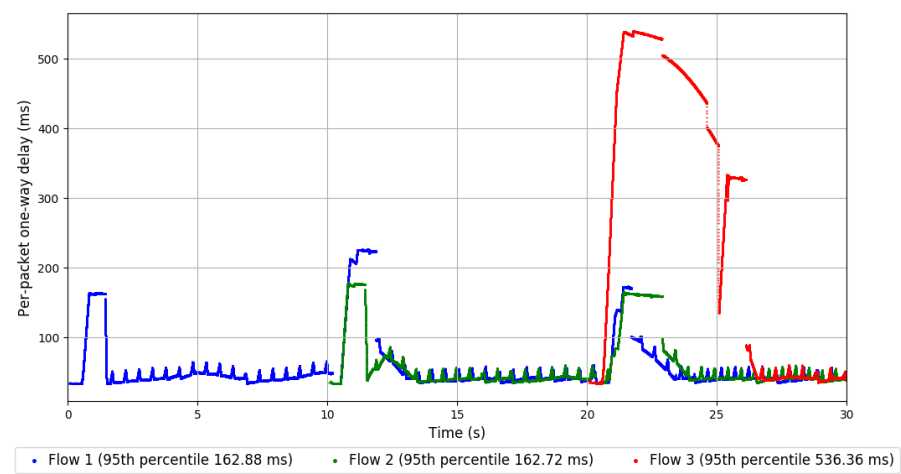
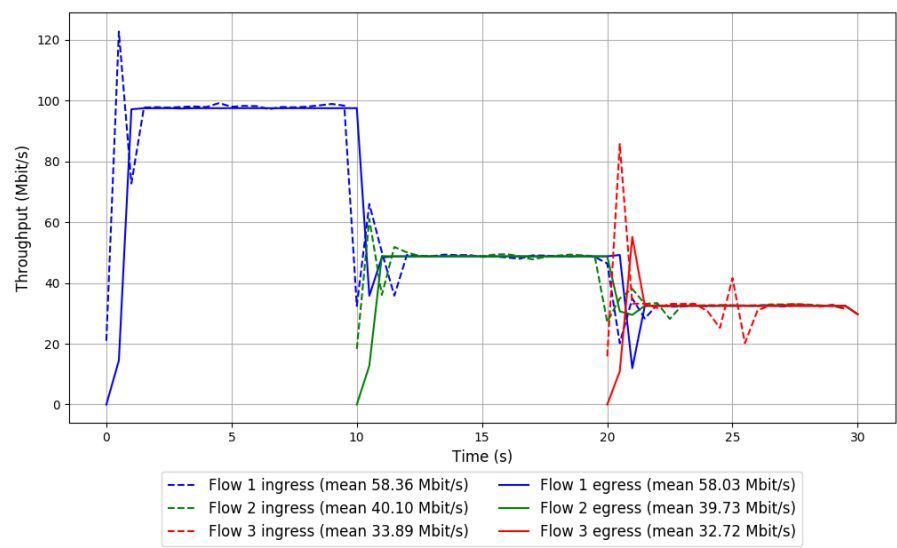


Run 2: Statistics of TCP BBR

Start at: 2019-01-03 10:13:08
End at: 2019-01-03 10:13:38
Local clock offset: 0.197 ms
Remote clock offset: -3.492 ms

Below is generated by plot.py at 2019-01-03 11:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 328.749 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: 162.882 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 162.724 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 536.357 ms
Loss rate: 4.09%

Run 2: Report of TCP BBR — Data Link

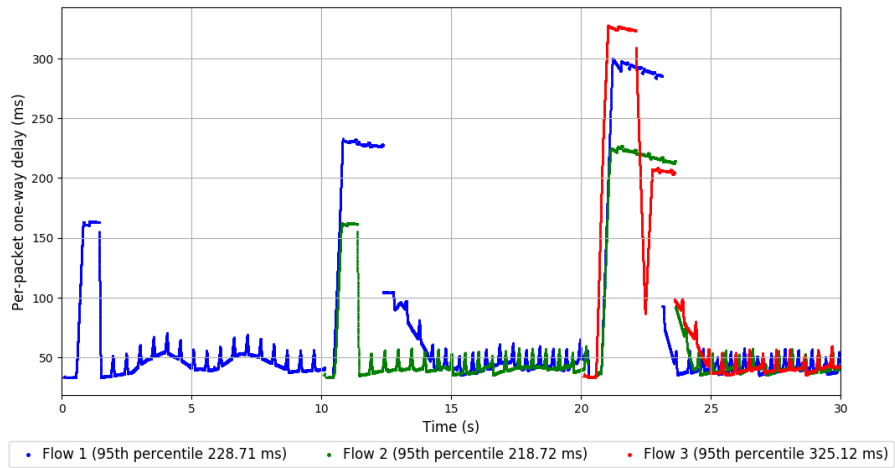
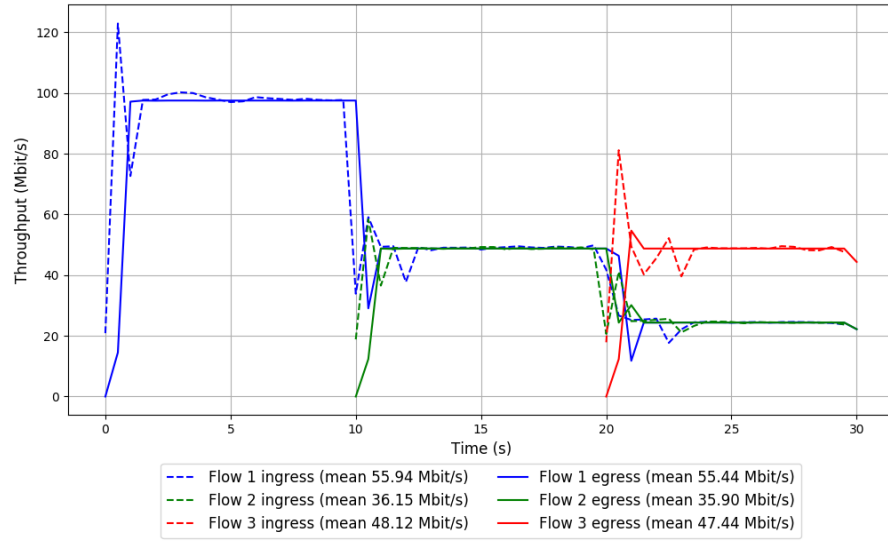


Run 3: Statistics of TCP BBR

Start at: 2019-01-03 10:36:47
End at: 2019-01-03 10:37:18
Local clock offset: 0.162 ms
Remote clock offset: -2.567 ms

Below is generated by plot.py at 2019-01-03 11:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 230.060 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 228.712 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 218.722 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 325.118 ms
Loss rate: 2.06%

Run 3: Report of TCP BBR — Data Link

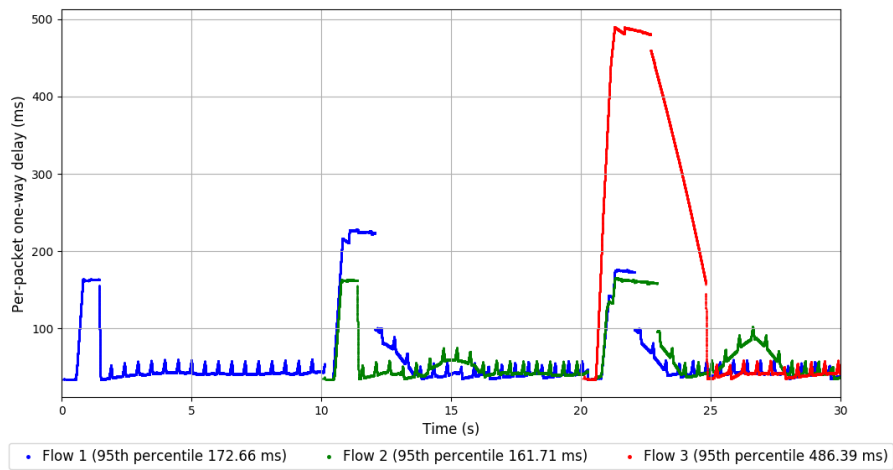
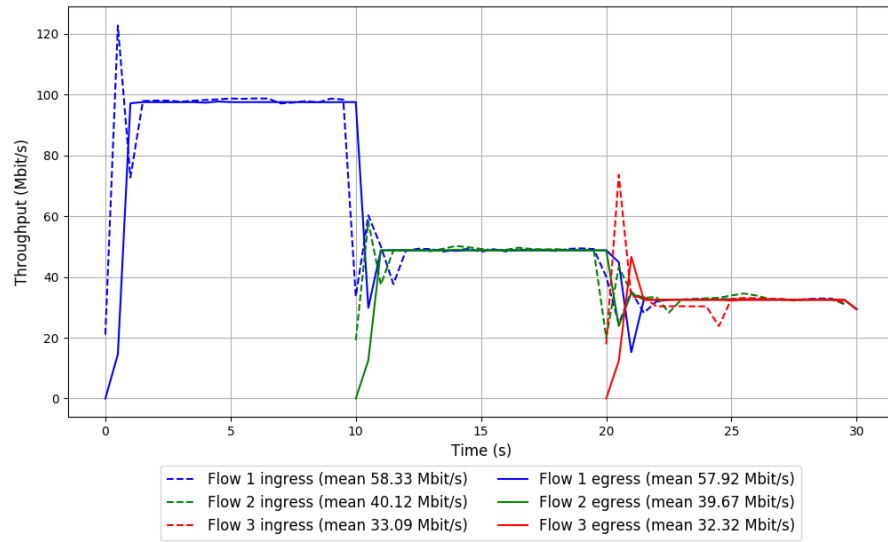


Run 4: Statistics of TCP BBR

Start at: 2019-01-03 11:00:01
End at: 2019-01-03 11:00:31
Local clock offset: 0.317 ms
Remote clock offset: -1.847 ms

Below is generated by plot.py at 2019-01-03 11:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 224.523 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 172.659 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 161.710 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 486.394 ms
Loss rate: 2.96%

Run 4: Report of TCP BBR — Data Link

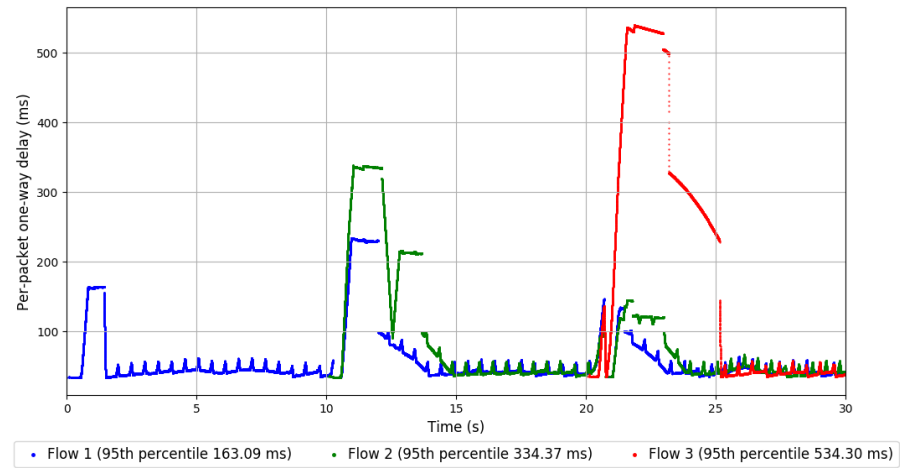
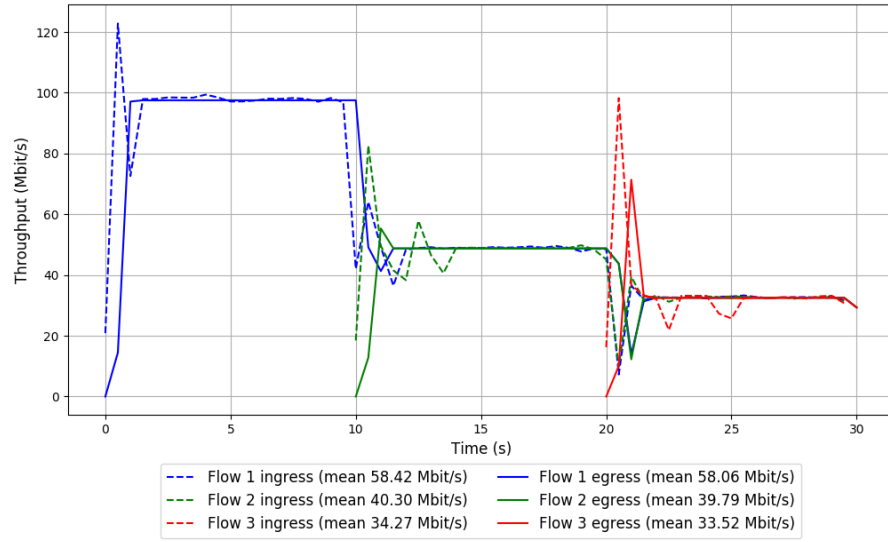


Run 5: Statistics of TCP BBR

Start at: 2019-01-03 11:23:32
End at: 2019-01-03 11:24:02
Local clock offset: 0.568 ms
Remote clock offset: -1.402 ms

Below is generated by plot.py at 2019-01-03 11:38:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 303.820 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 163.089 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 334.372 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 534.299 ms
Loss rate: 2.84%

Run 5: Report of TCP BBR — Data Link

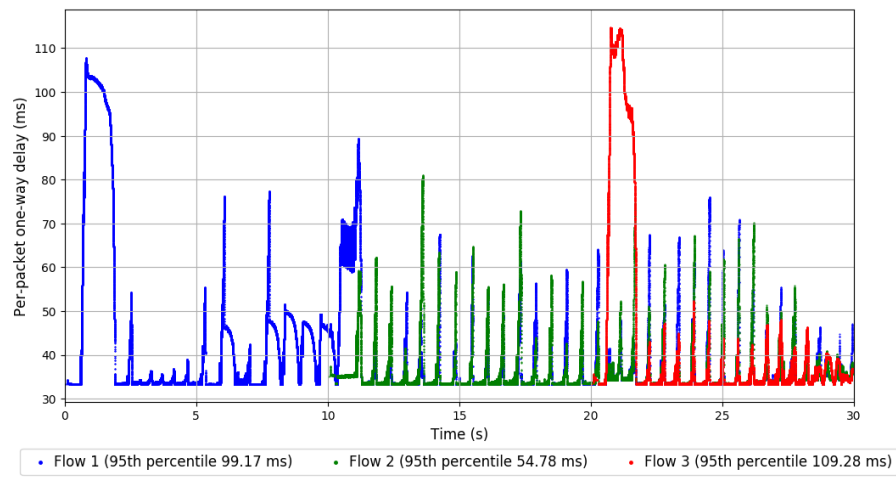
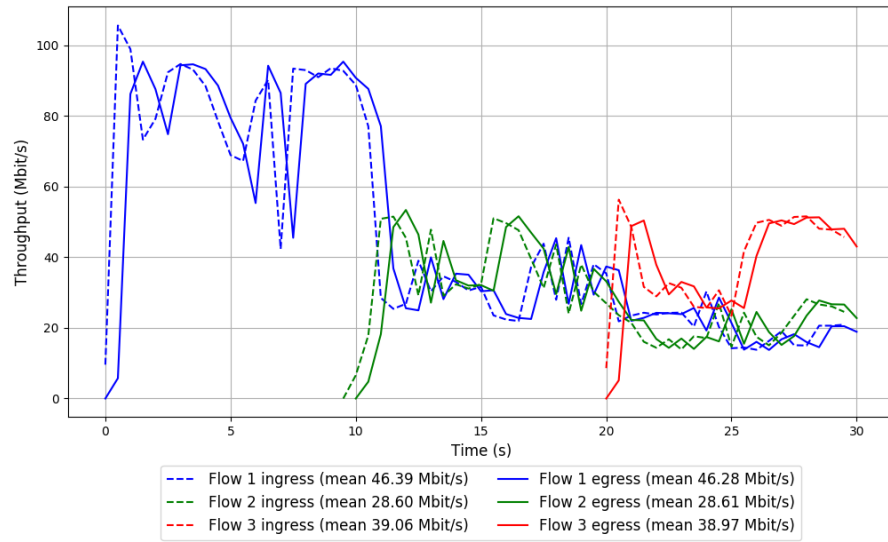


Run 1: Statistics of Copa

Start at: 2019-01-03 09:44:27
End at: 2019-01-03 09:44:57
Local clock offset: 0.325 ms
Remote clock offset: -4.743 ms

Below is generated by plot.py at 2019-01-03 11:38:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 96.293 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 99.168 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 109.280 ms
Loss rate: 0.88%

Run 1: Report of Copa — Data Link

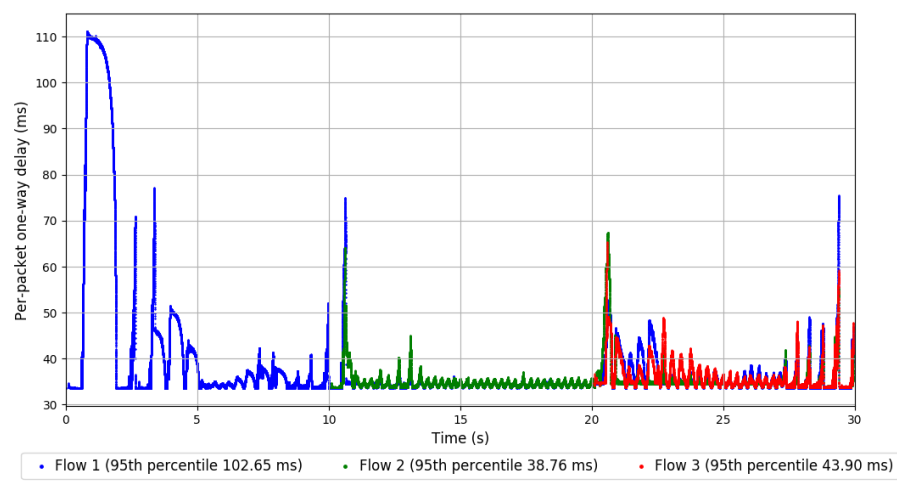
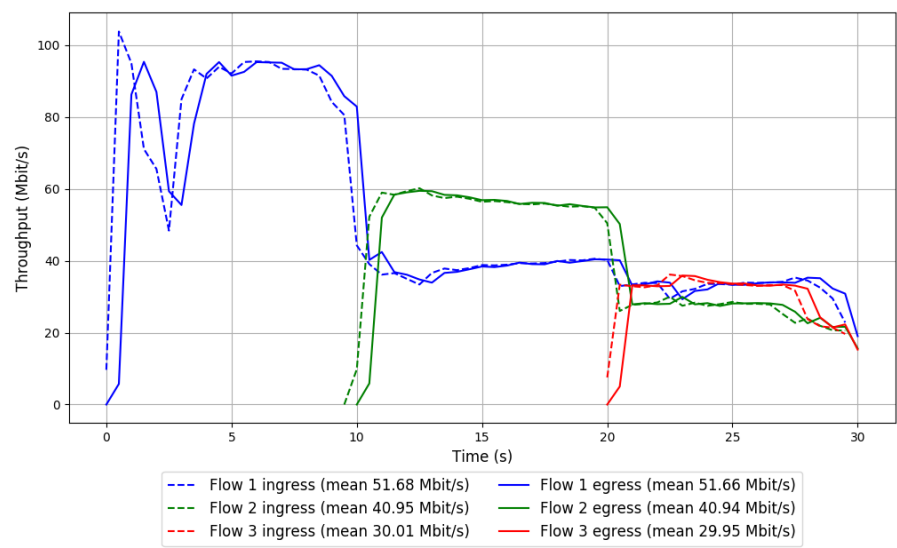


Run 2: Statistics of Copa

Start at: 2019-01-03 10:07:58
End at: 2019-01-03 10:08:28
Local clock offset: 0.201 ms
Remote clock offset: -3.879 ms

Below is generated by plot.py at 2019-01-03 11:39:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 60.064 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 102.646 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 38.763 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 43.902 ms
Loss rate: 0.84%

Run 2: Report of Copa — Data Link

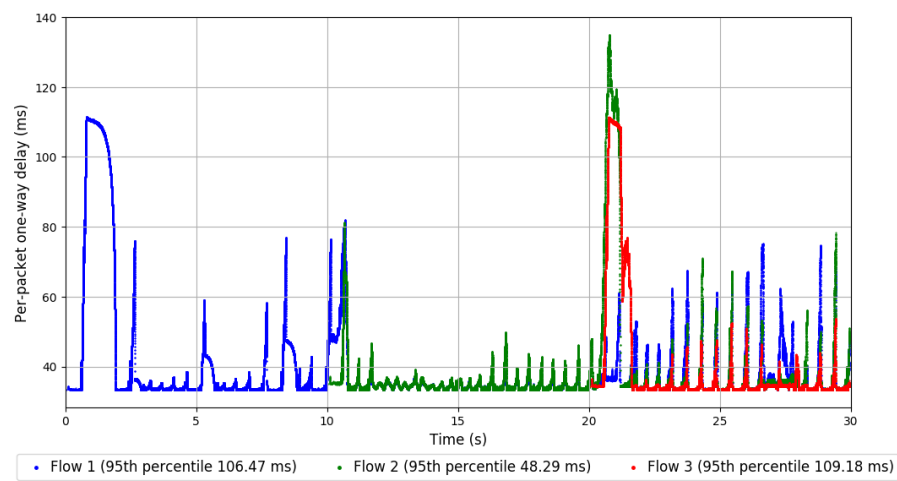
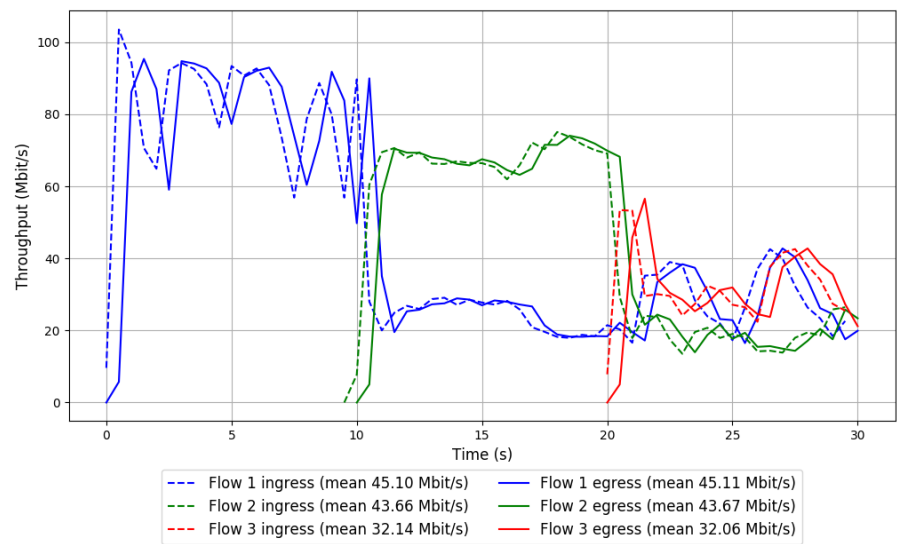


Run 3: Statistics of Copa

Start at: 2019-01-03 10:31:51
End at: 2019-01-03 10:32:21
Local clock offset: 0.162 ms
Remote clock offset: -2.713 ms

Below is generated by plot.py at 2019-01-03 11:39:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 96.939 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 106.470 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 48.288 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 109.180 ms
Loss rate: 0.90%

Run 3: Report of Copa — Data Link

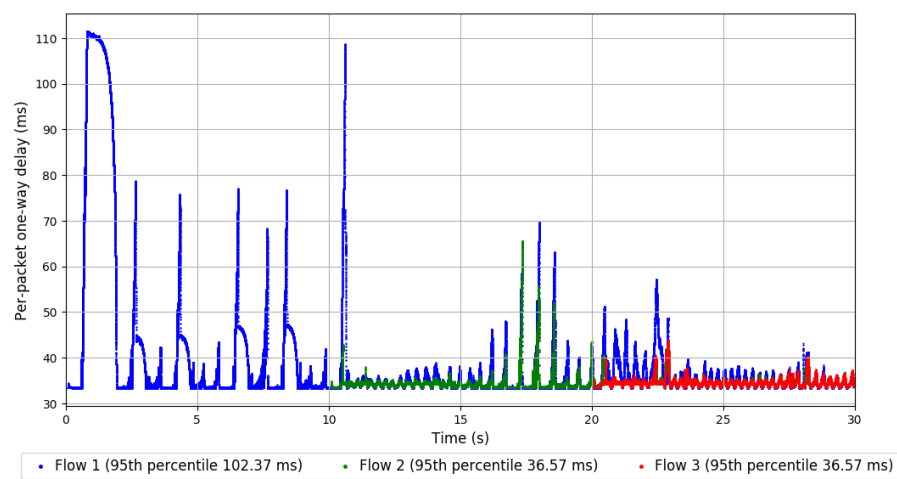
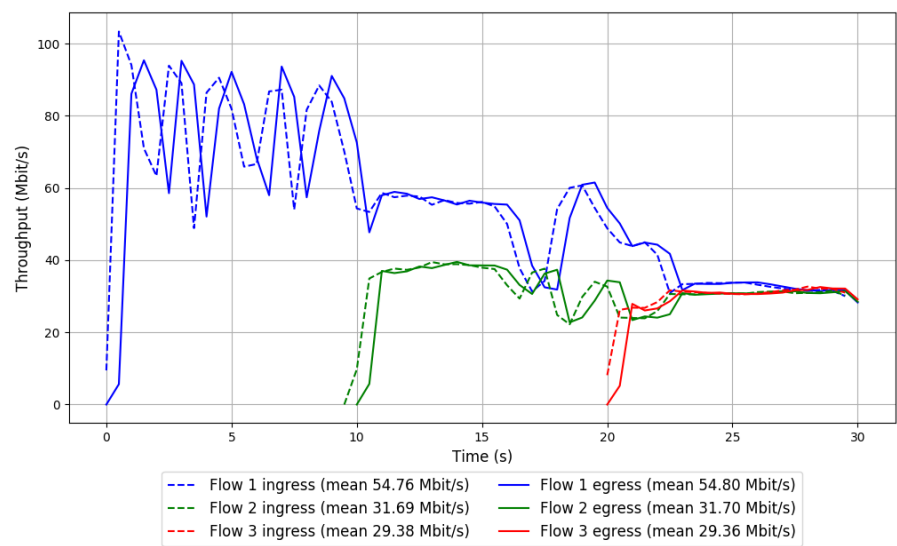


Run 4: Statistics of Copa

Start at: 2019-01-03 10:55:01
End at: 2019-01-03 10:55:31
Local clock offset: 0.193 ms
Remote clock offset: -1.986 ms

Below is generated by plot.py at 2019-01-03 11:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 69.382 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 102.366 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 36.568 ms
Loss rate: 0.69%

Run 4: Report of Copa — Data Link

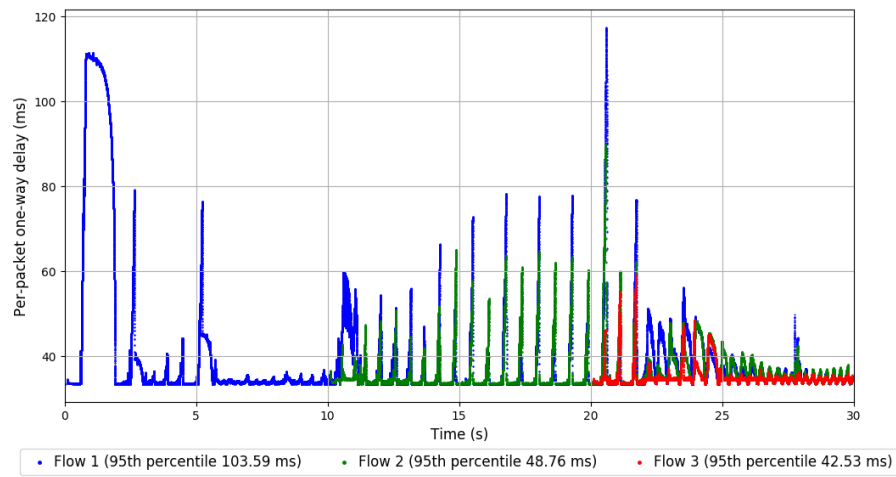
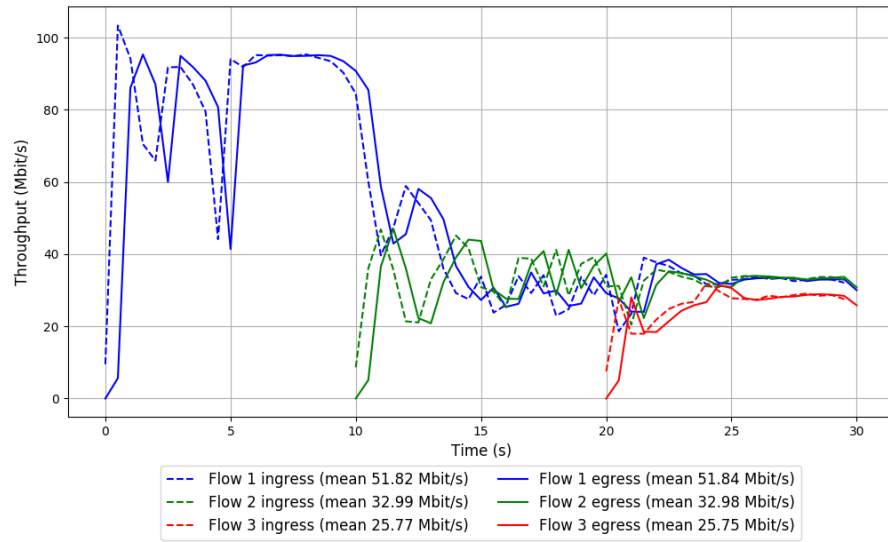


Run 5: Statistics of Copa

Start at: 2019-01-03 11:18:34
End at: 2019-01-03 11:19:04
Local clock offset: 0.519 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2019-01-03 11:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 72.985 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 103.591 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 48.764 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 42.533 ms
Loss rate: 0.73%

Run 5: Report of Copa — Data Link

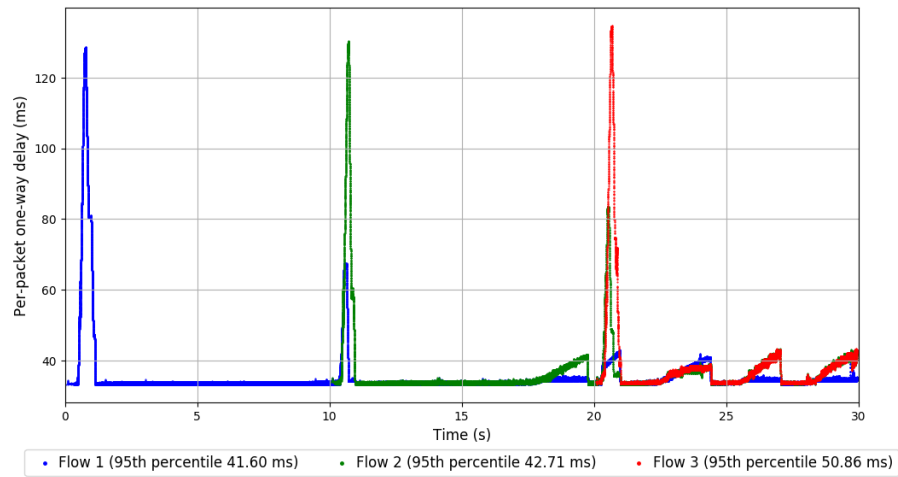
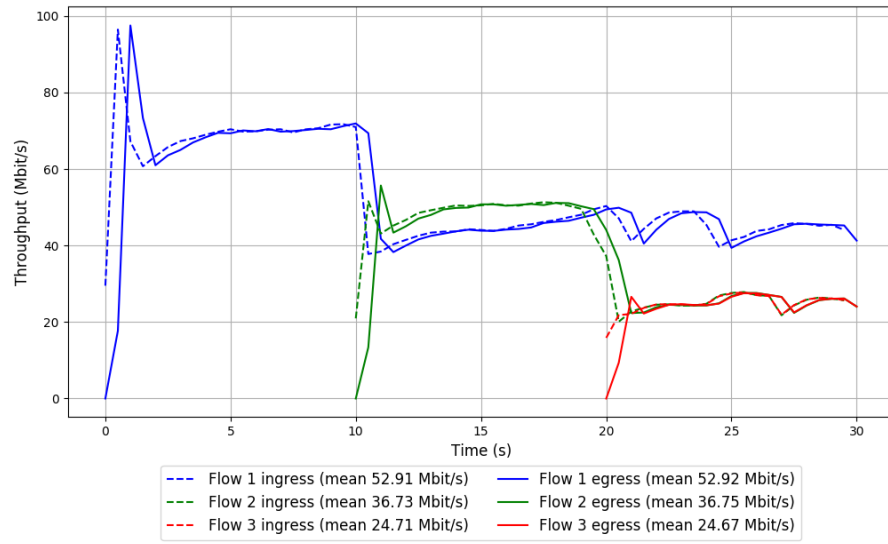


Run 1: Statistics of TCP Cubic

Start at: 2019-01-03 09:39:40
End at: 2019-01-03 09:40:10
Local clock offset: 0.306 ms
Remote clock offset: -4.844 ms

Below is generated by plot.py at 2019-01-03 11:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 42.419 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 41.603 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 42.707 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 50.864 ms
Loss rate: 0.81%

Run 1: Report of TCP Cubic — Data Link

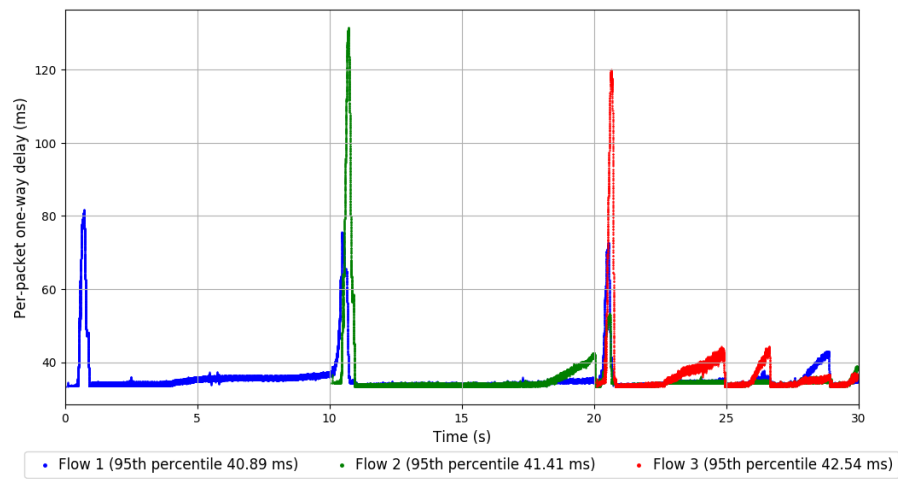
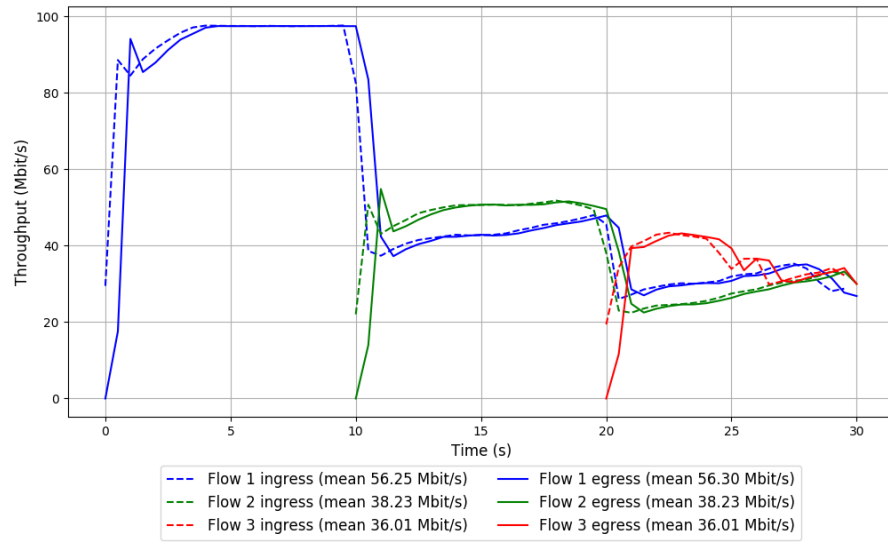


Run 2: Statistics of TCP Cubic

Start at: 2019-01-03 10:03:07
End at: 2019-01-03 10:03:37
Local clock offset: 0.241 ms
Remote clock offset: -3.985 ms

Below is generated by plot.py at 2019-01-03 11:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 41.663 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 40.887 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 41.410 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 42.538 ms
Loss rate: 0.64%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-01-03 10:27:00

End at: 2019-01-03 10:27:30

Local clock offset: 0.175 ms

Remote clock offset: -3.14 ms

Below is generated by plot.py at 2019-01-03 11:40:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 43.186 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 48.61 Mbit/s

95th percentile per-packet one-way delay: 47.528 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 40.931 ms

Loss rate: 0.33%

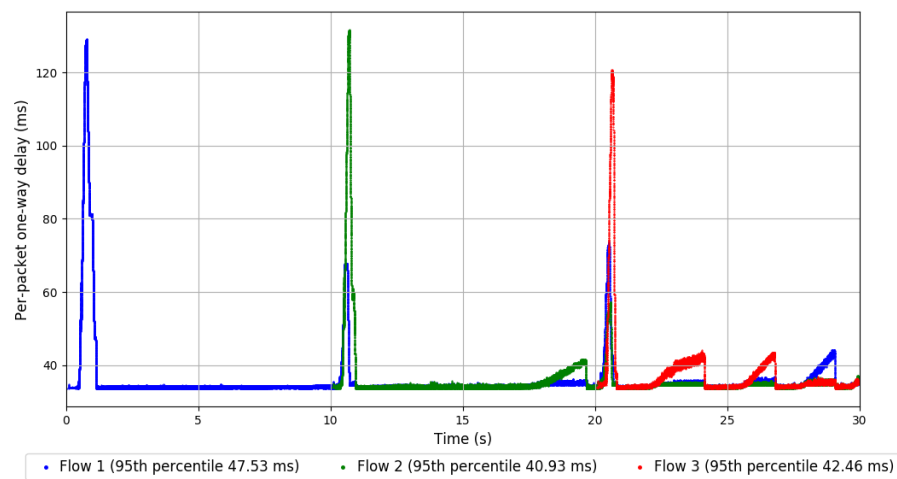
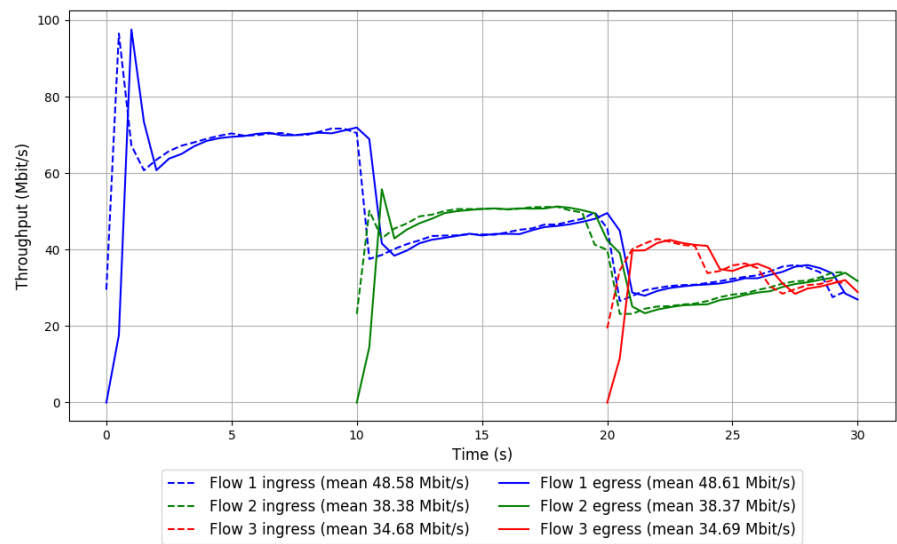
-- Flow 3:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 42.461 ms

Loss rate: 0.63%

Run 3: Report of TCP Cubic — Data Link

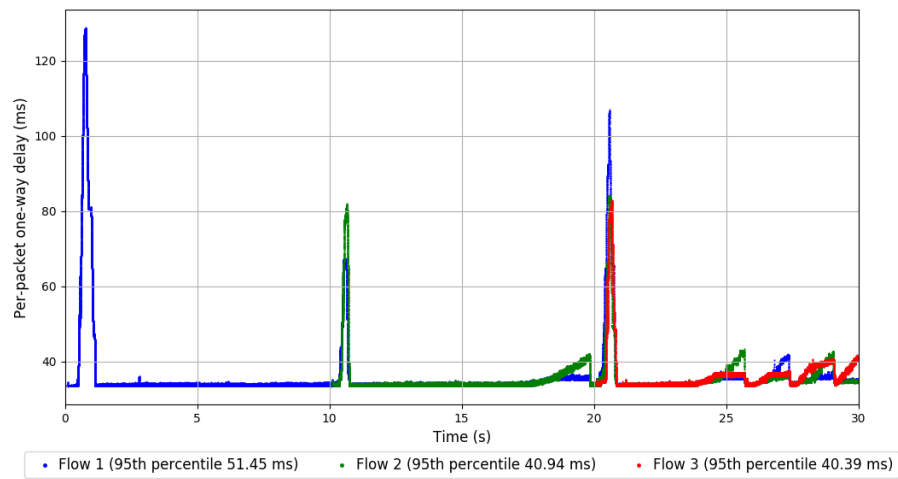
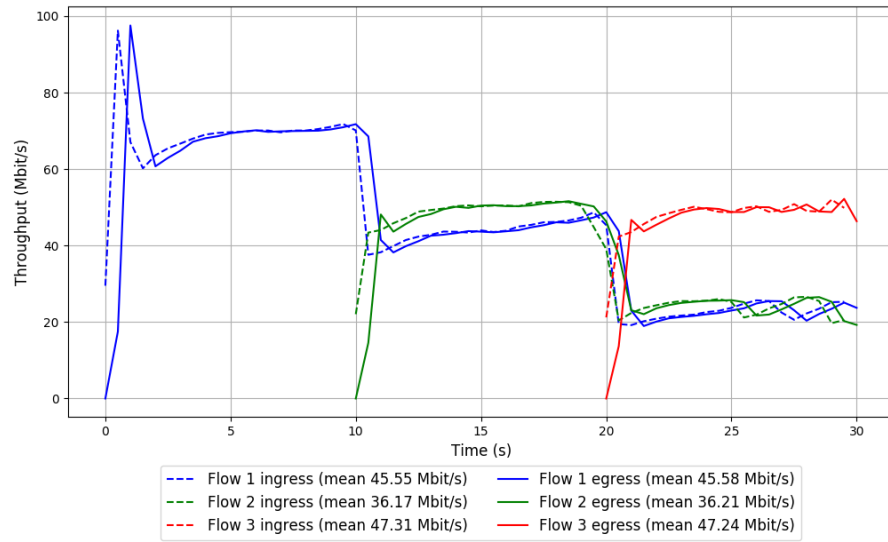


Run 4: Statistics of TCP Cubic

Start at: 2019-01-03 10:50:14
End at: 2019-01-03 10:50:44
Local clock offset: 0.171 ms
Remote clock offset: -2.131 ms

Below is generated by plot.py at 2019-01-03 11:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 42.457 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 51.446 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 40.938 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 40.391 ms
Loss rate: 0.77%

Run 4: Report of TCP Cubic — Data Link

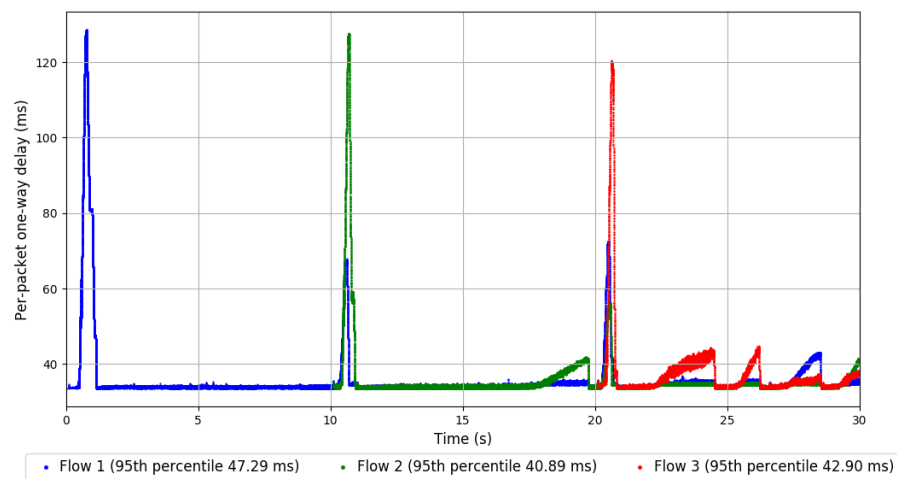
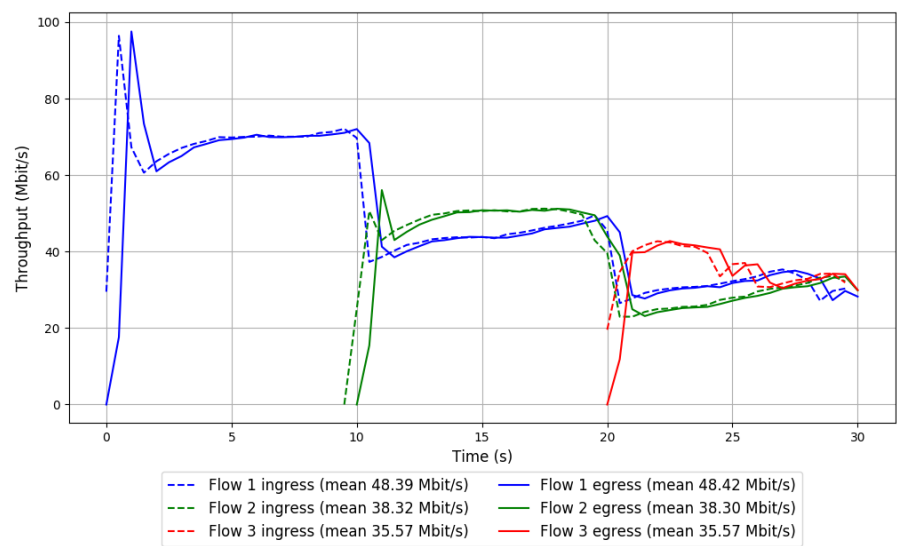


Run 5: Statistics of TCP Cubic

Start at: 2019-01-03 11:13:44
End at: 2019-01-03 11:14:14
Local clock offset: 0.503 ms
Remote clock offset: -1.55 ms

Below is generated by plot.py at 2019-01-03 11:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 43.092 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 47.293 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 40.891 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 42.899 ms
Loss rate: 0.64%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-01-03 09:42:05

End at: 2019-01-03 09:42:35

Local clock offset: 0.319 ms

Remote clock offset: -4.9 ms

Below is generated by plot.py at 2019-01-03 11:40:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 102.575 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 89.352 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 107.654 ms

Loss rate: 2.65%

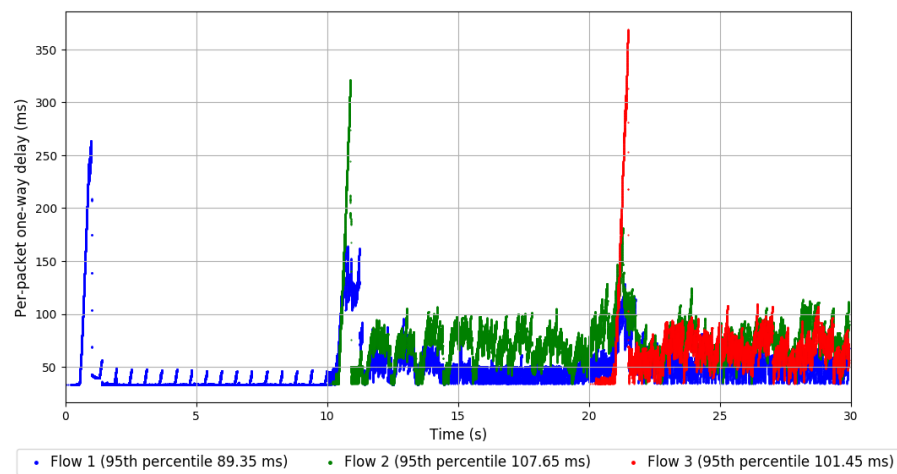
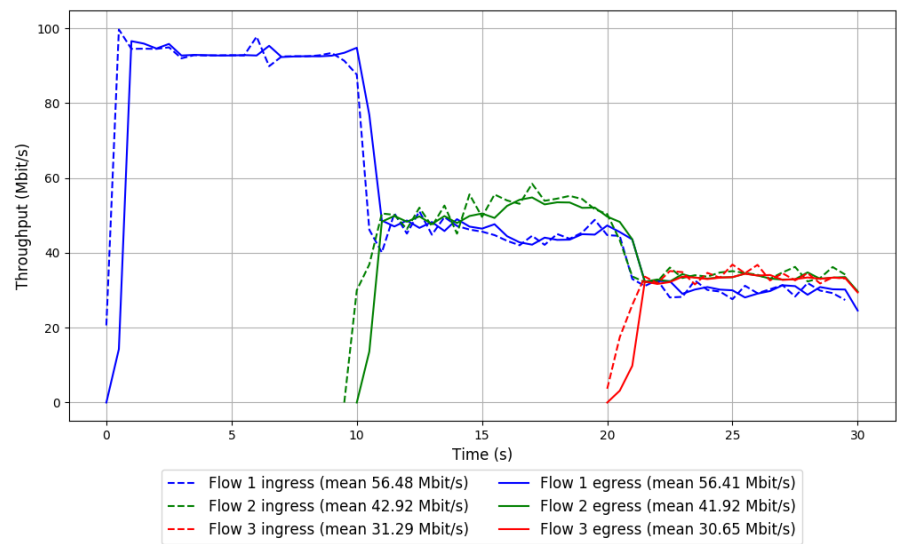
-- Flow 3:

Average throughput: 30.65 Mbit/s

95th percentile per-packet one-way delay: 101.450 ms

Loss rate: 2.64%

Run 1: Report of FillP — Data Link

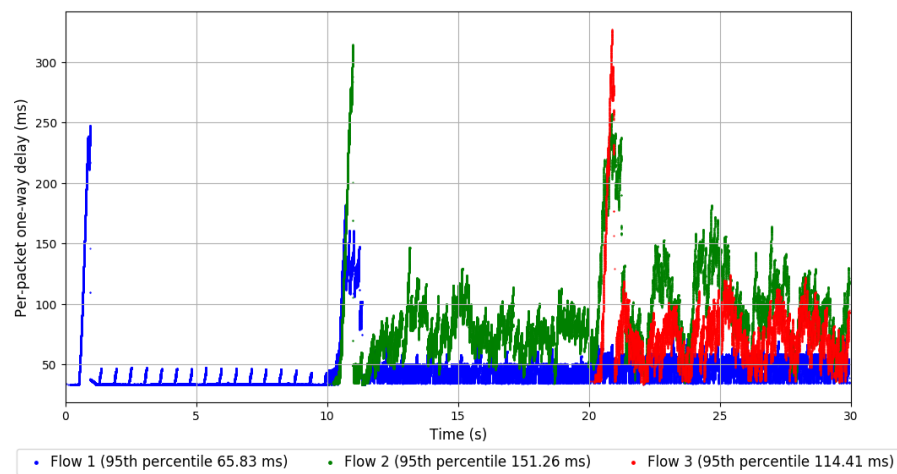
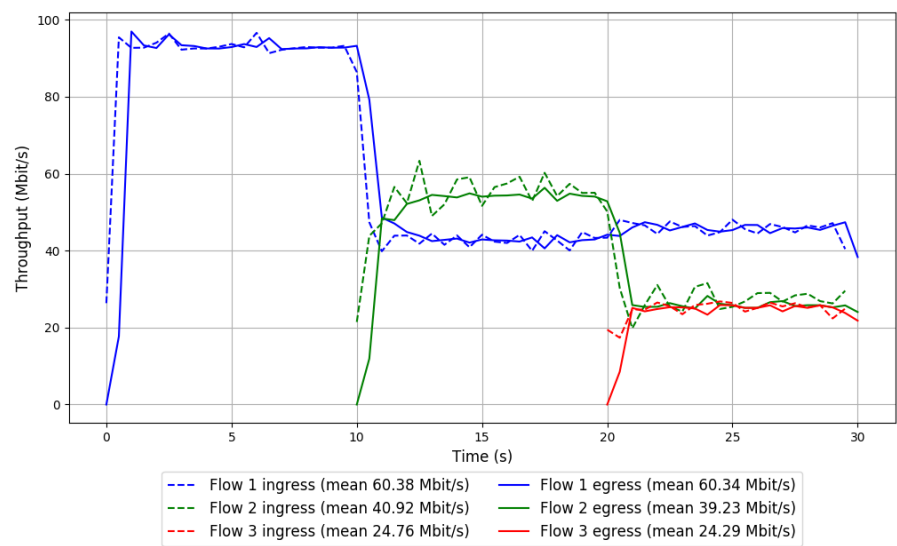


Run 2: Statistics of FillP

Start at: 2019-01-03 10:05:36
End at: 2019-01-03 10:06:06
Local clock offset: 0.226 ms
Remote clock offset: -4.014 ms

Below is generated by plot.py at 2019-01-03 11:40:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 123.815 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 65.831 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 151.263 ms
Loss rate: 4.42%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 114.405 ms
Loss rate: 2.46%

Run 2: Report of FillP — Data Link

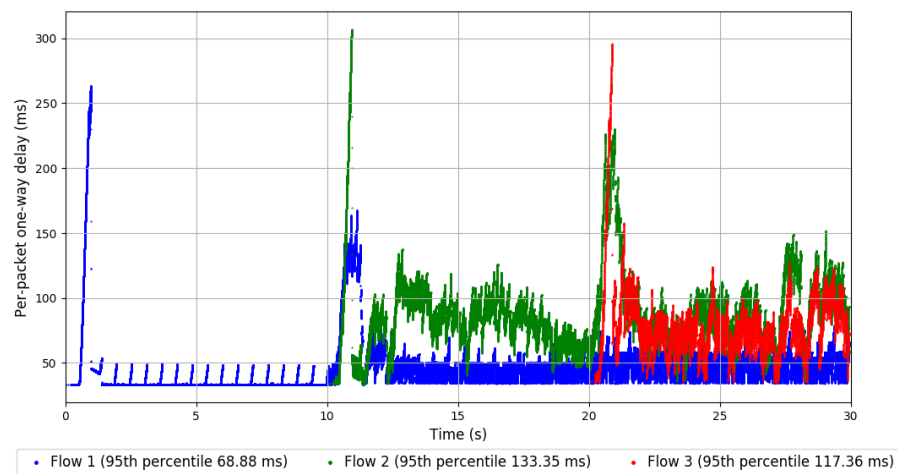
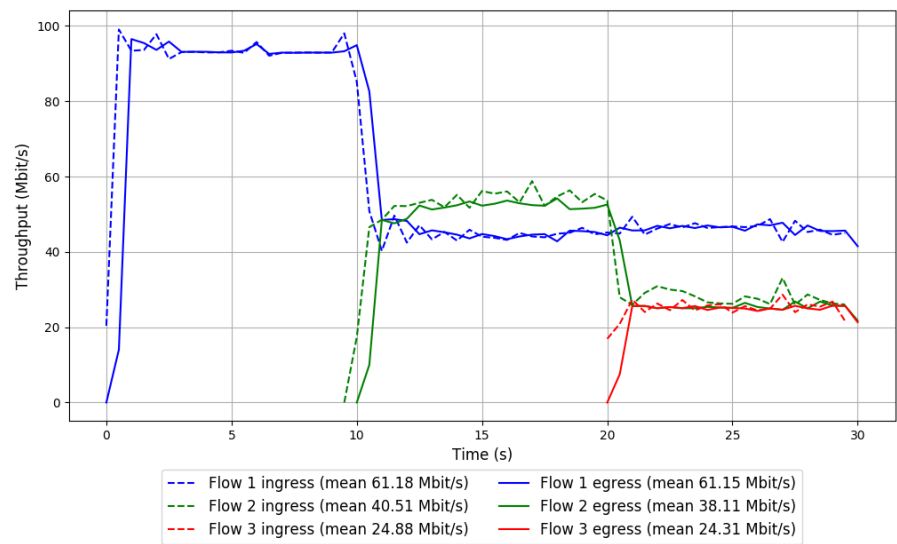


Run 3: Statistics of FillP

Start at: 2019-01-03 10:29:29
End at: 2019-01-03 10:29:59
Local clock offset: 0.168 ms
Remote clock offset: -2.823 ms

Below is generated by plot.py at 2019-01-03 11:40:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 116.389 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 68.882 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 133.349 ms
Loss rate: 6.20%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 117.365 ms
Loss rate: 2.69%

Run 3: Report of FillP — Data Link

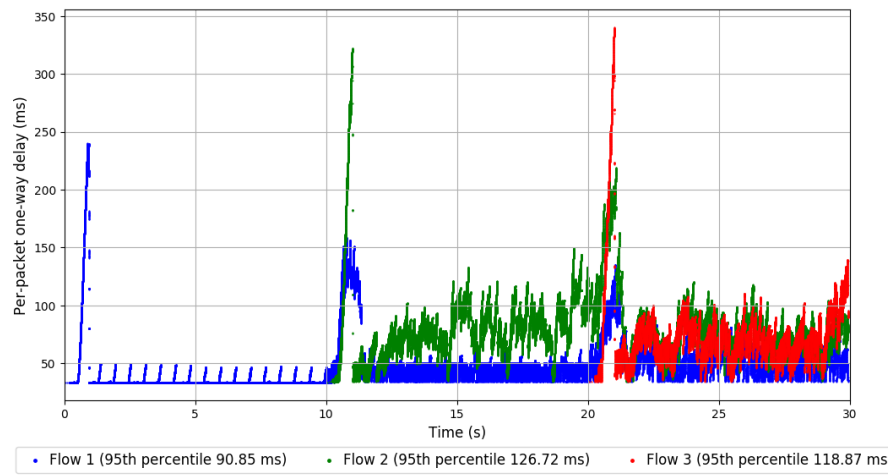
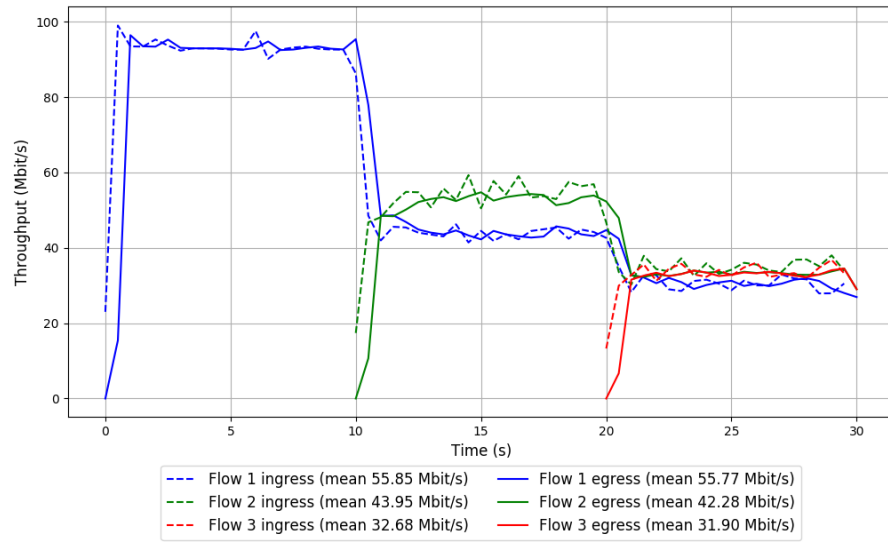


Run 4: Statistics of FillP

Start at: 2019-01-03 10:52:39
End at: 2019-01-03 10:53:09
Local clock offset: 0.164 ms
Remote clock offset: -2.056 ms

Below is generated by plot.py at 2019-01-03 11:40:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 113.631 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 55.77 Mbit/s
95th percentile per-packet one-way delay: 90.848 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 126.724 ms
Loss rate: 4.03%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 118.868 ms
Loss rate: 3.01%

Run 4: Report of FillP — Data Link

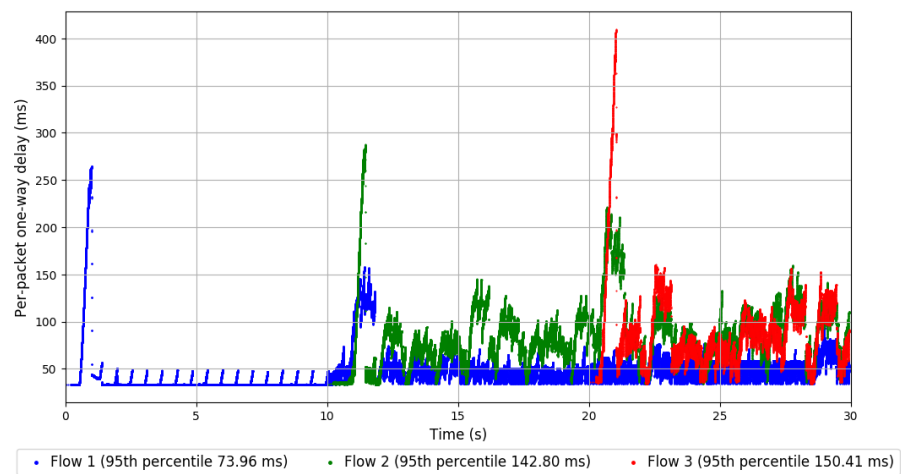
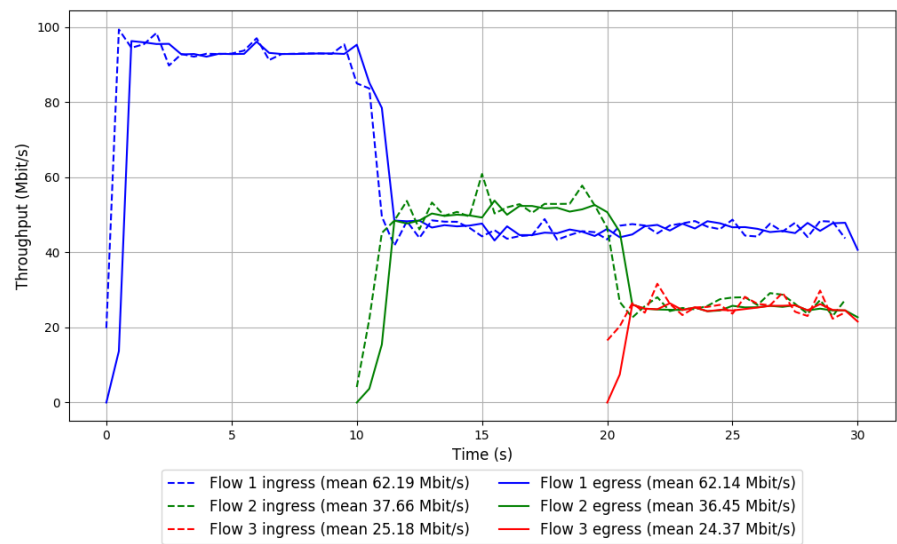


Run 5: Statistics of FillP

Start at: 2019-01-03 11:16:11
End at: 2019-01-03 11:16:41
Local clock offset: 0.521 ms
Remote clock offset: -1.499 ms

Below is generated by plot.py at 2019-01-03 11:41:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 123.341 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 73.964 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 142.796 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 150.412 ms
Loss rate: 3.85%

Run 5: Report of FillP — Data Link

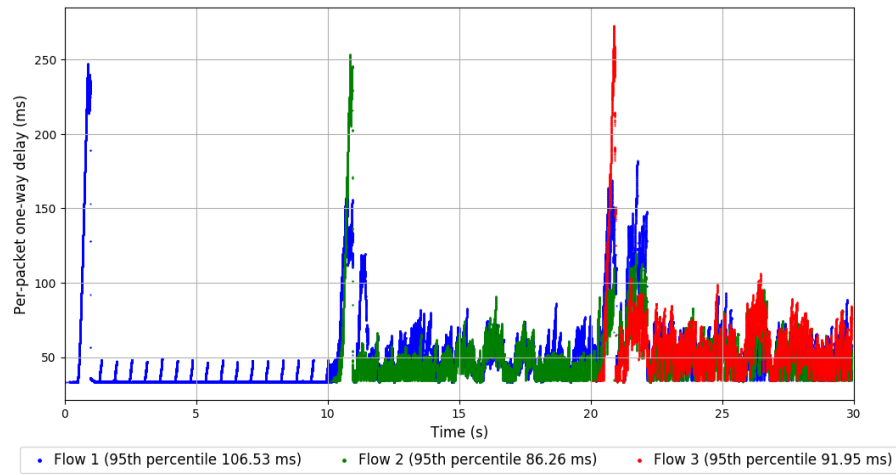
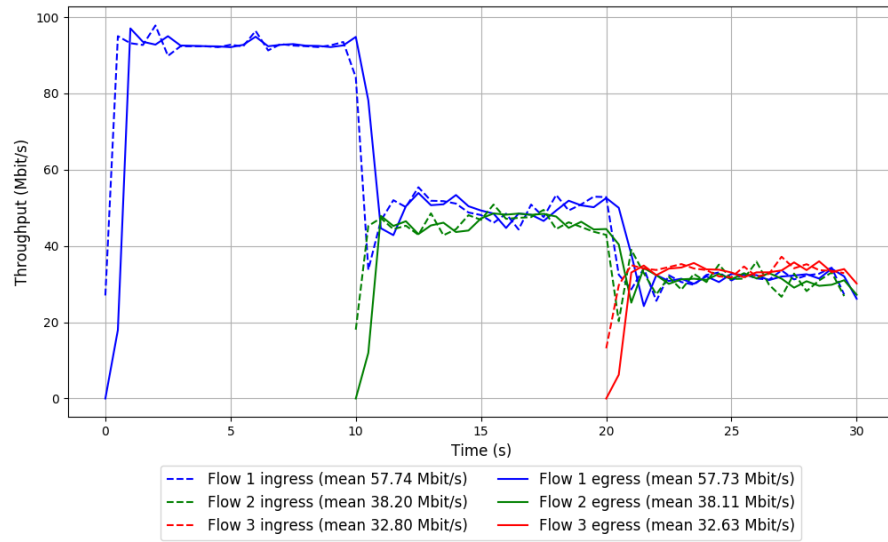


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-03 09:40:52
End at: 2019-01-03 09:41:22
Local clock offset: 0.308 ms
Remote clock offset: -4.918 ms

Below is generated by plot.py at 2019-01-03 11:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 96.297 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 57.73 Mbit/s
95th percentile per-packet one-way delay: 106.525 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 86.258 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 91.953 ms
Loss rate: 1.13%

Run 1: Report of FillP-Sheep — Data Link

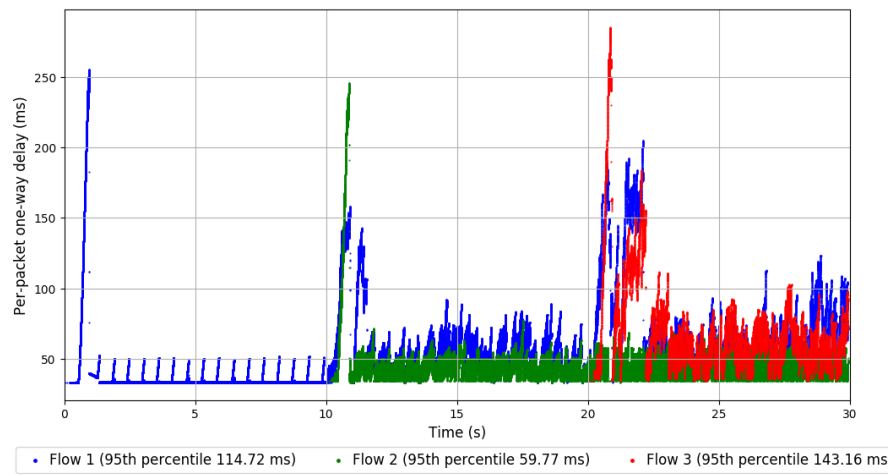
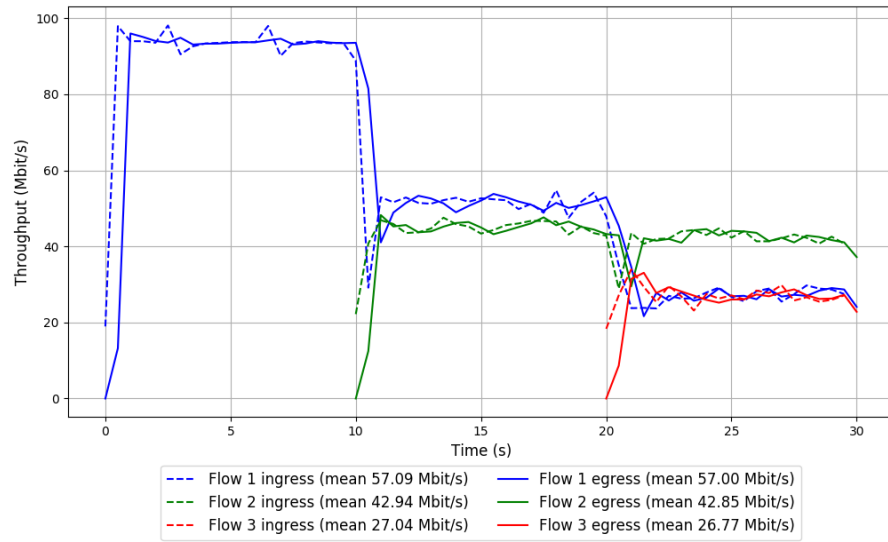


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-03 10:04:22
End at: 2019-01-03 10:04:52
Local clock offset: 0.217 ms
Remote clock offset: -3.928 ms

Below is generated by plot.py at 2019-01-03 11:41:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 105.954 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 114.722 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 59.771 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 143.158 ms
Loss rate: 1.57%

Run 2: Report of FillP-Sheep — Data Link

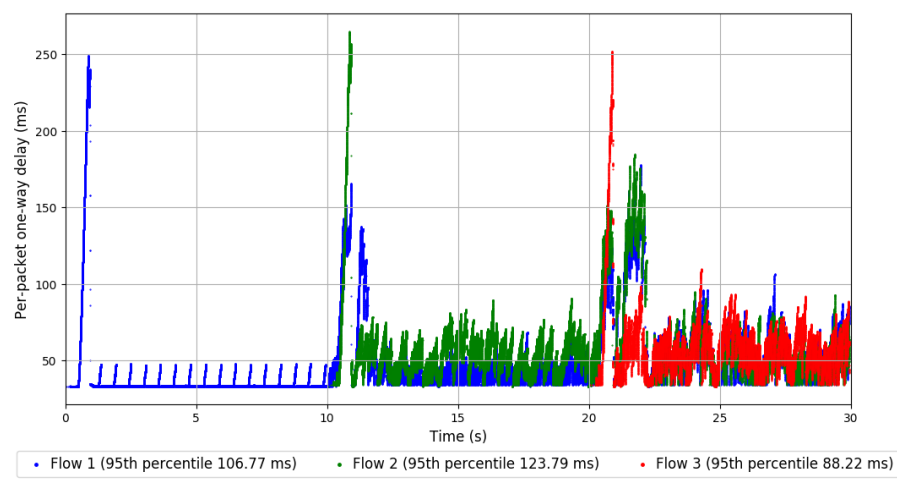
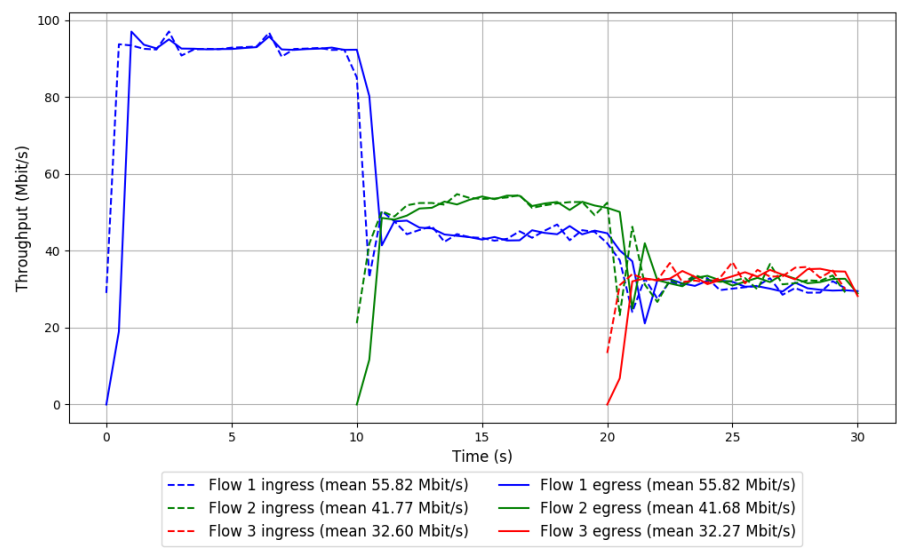


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-03 10:28:15
End at: 2019-01-03 10:28:45
Local clock offset: 0.155 ms
Remote clock offset: -2.787 ms

Below is generated by plot.py at 2019-01-03 11:41:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 108.862 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 106.774 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 123.786 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 88.219 ms
Loss rate: 1.46%

Run 3: Report of FillP-Sheep — Data Link

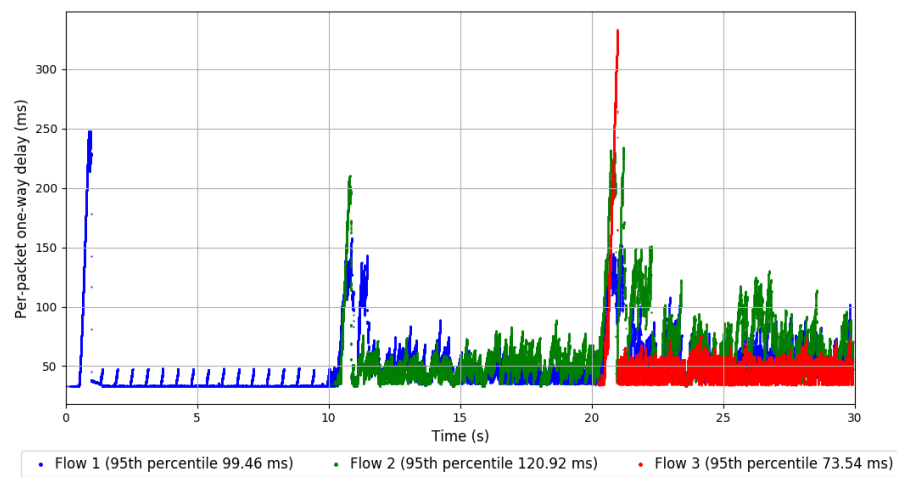
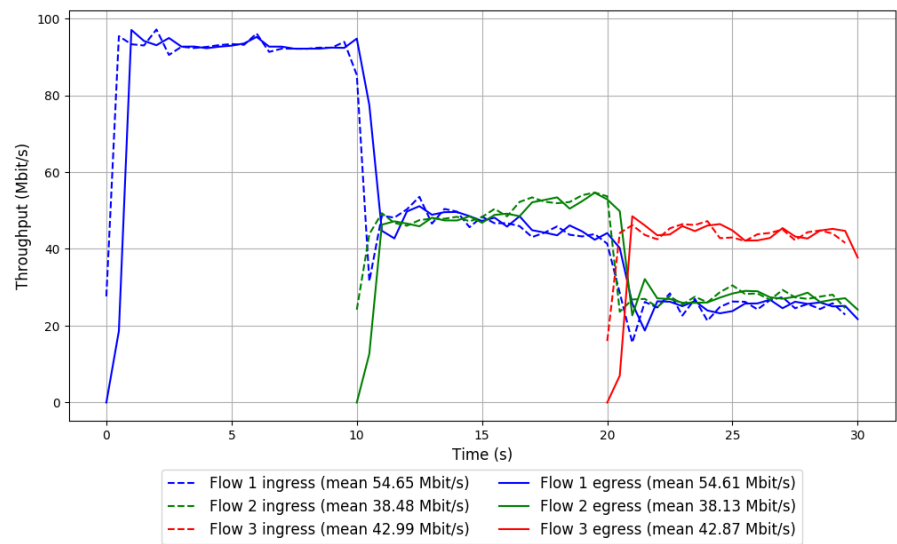


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-03 10:51:27
End at: 2019-01-03 10:51:57
Local clock offset: 0.162 ms
Remote clock offset: -2.083 ms

Below is generated by plot.py at 2019-01-03 11:41:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 108.911 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 54.61 Mbit/s
95th percentile per-packet one-way delay: 99.460 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 120.919 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 73.537 ms
Loss rate: 0.90%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-01-03 11:14:57

End at: 2019-01-03 11:15:27

Local clock offset: 0.504 ms

Remote clock offset: -1.53 ms

Below is generated by plot.py at 2019-01-03 11:41:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 106.066 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 102.114 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 45.36 Mbit/s

95th percentile per-packet one-way delay: 64.841 ms

Loss rate: 0.42%

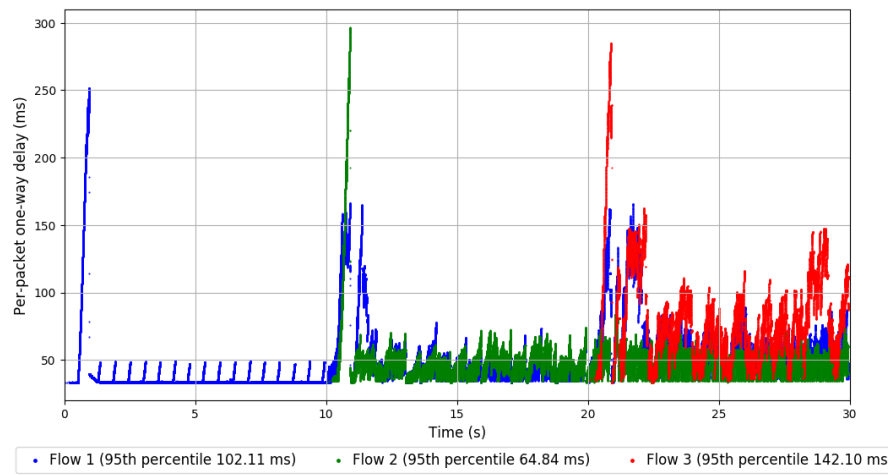
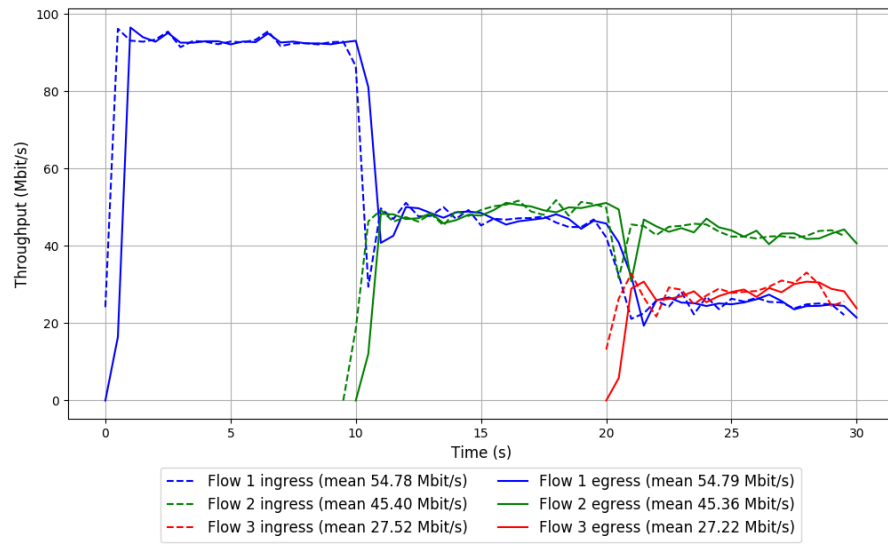
-- Flow 3:

Average throughput: 27.22 Mbit/s

95th percentile per-packet one-way delay: 142.104 ms

Loss rate: 1.76%

Run 5: Report of FillP-Sheep — Data Link

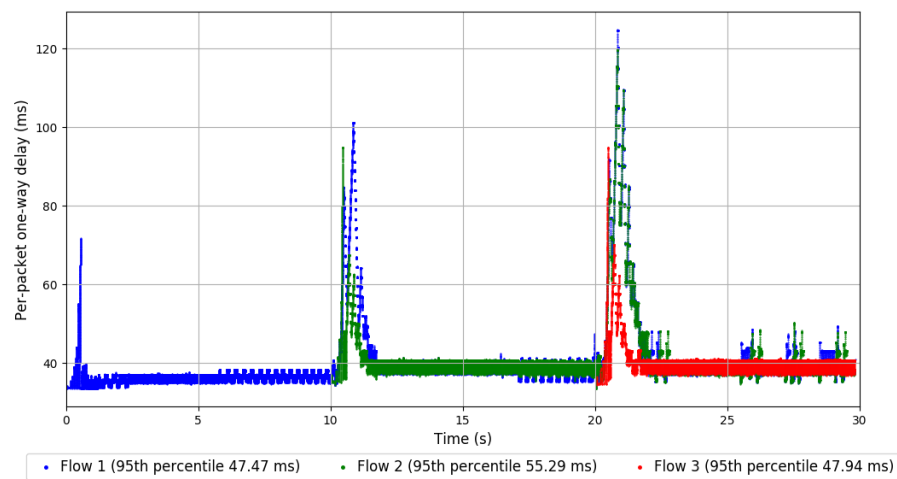
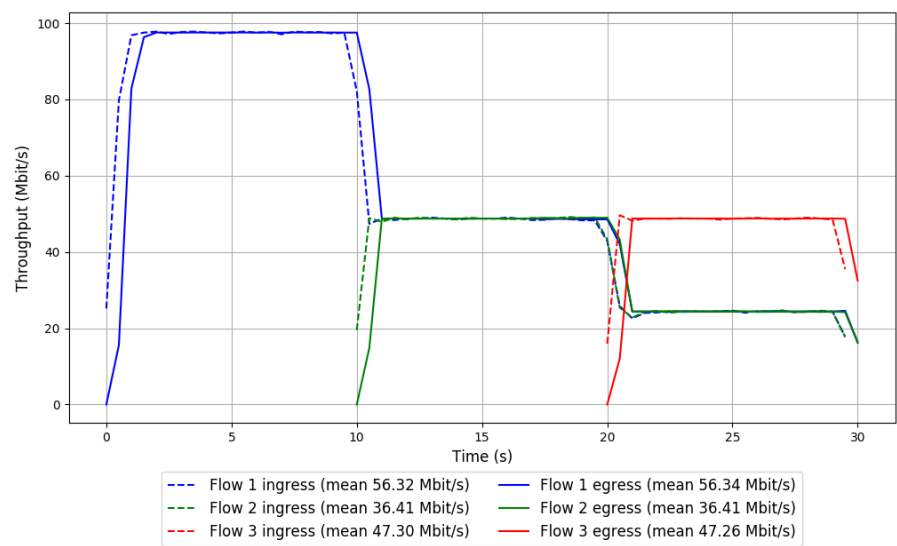


Run 1: Statistics of Indigo

Start at: 2019-01-03 09:57:52
End at: 2019-01-03 09:58:22
Local clock offset: 0.327 ms
Remote clock offset: -4.269 ms

Below is generated by plot.py at 2019-01-03 11:41:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 49.881 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 47.470 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 55.294 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 47.941 ms
Loss rate: 0.75%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-03 10:21:41

End at: 2019-01-03 10:22:11

Local clock offset: 0.173 ms

Remote clock offset: -3.1 ms

Below is generated by plot.py at 2019-01-03 11:41:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 45.222 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 63.95 Mbit/s

95th percentile per-packet one-way delay: 40.585 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 59.321 ms

Loss rate: 0.53%

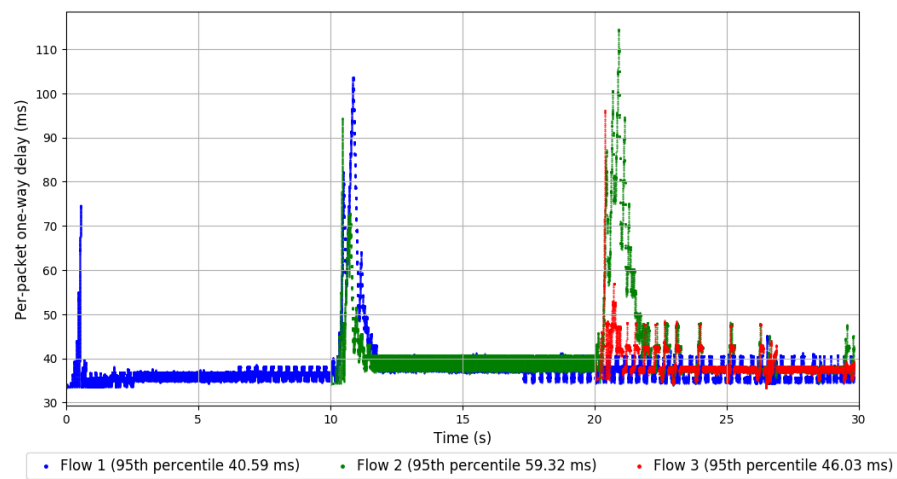
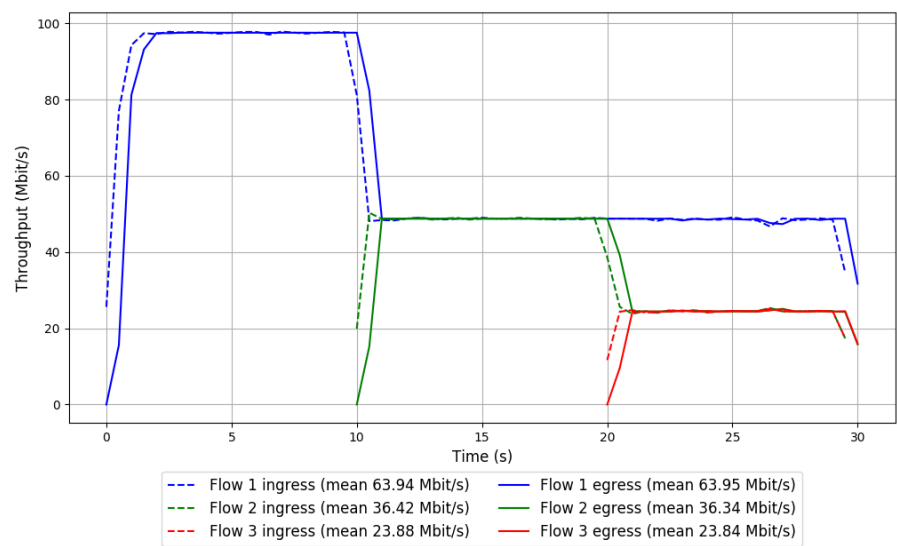
-- Flow 3:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 46.027 ms

Loss rate: 0.80%

Run 2: Report of Indigo — Data Link

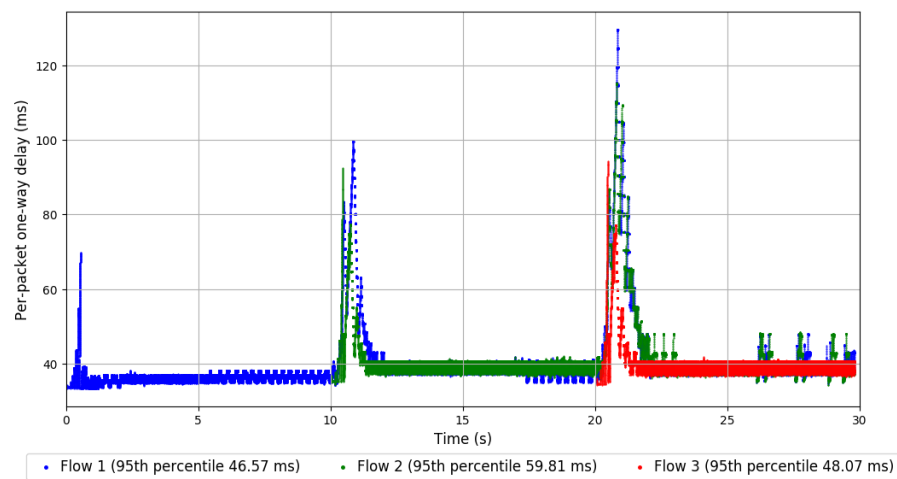
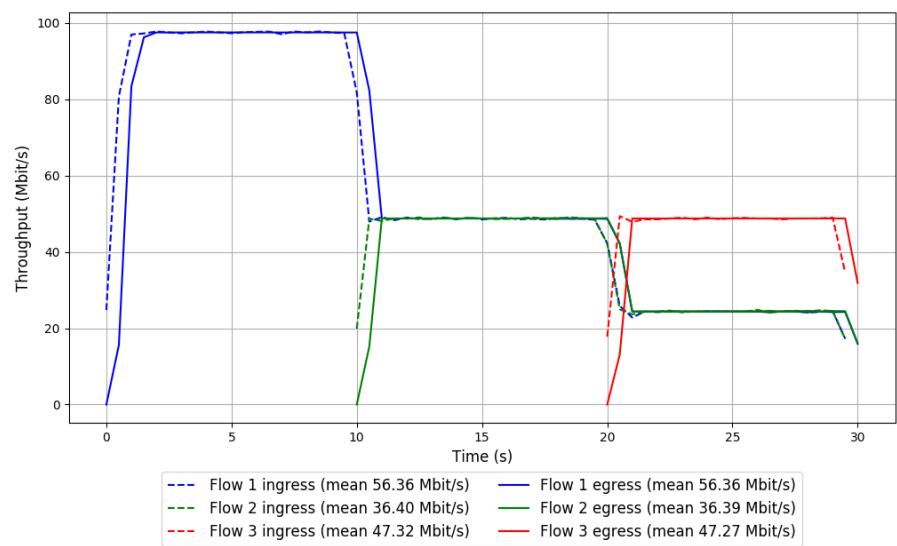


Run 3: Statistics of Indigo

Start at: 2019-01-03 10:45:10
End at: 2019-01-03 10:45:40
Local clock offset: 0.171 ms
Remote clock offset: -2.283 ms

Below is generated by plot.py at 2019-01-03 11:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 50.044 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 46.574 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 59.811 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 47.27 Mbit/s
95th percentile per-packet one-way delay: 48.069 ms
Loss rate: 0.75%

Run 3: Report of Indigo — Data Link

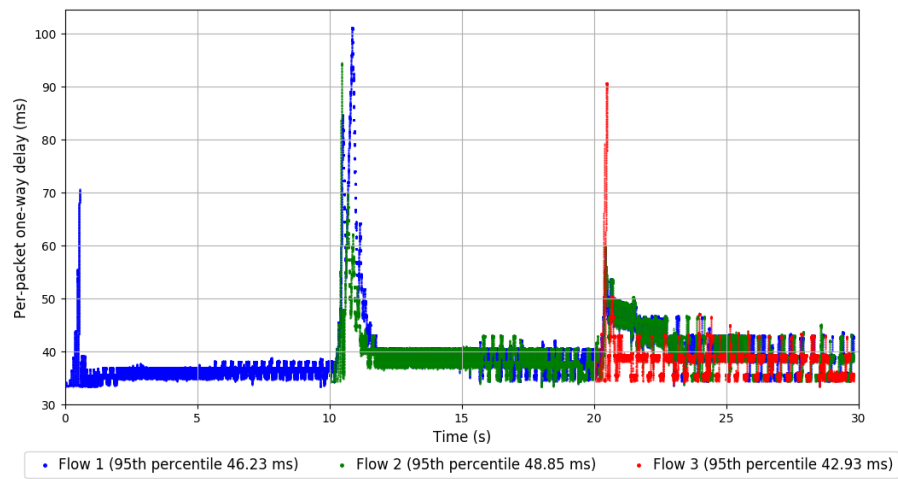
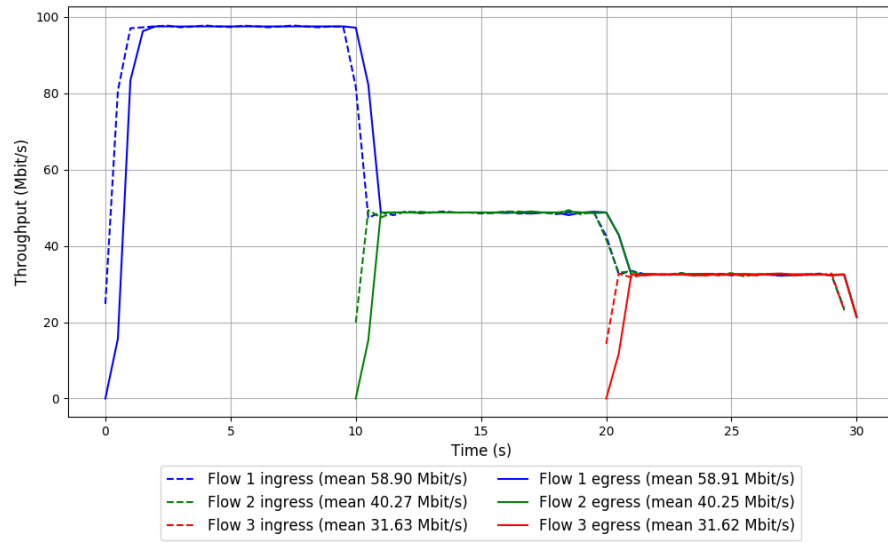


Run 4: Statistics of Indigo

Start at: 2019-01-03 11:08:32
End at: 2019-01-03 11:09:02
Local clock offset: 0.442 ms
Remote clock offset: -1.597 ms

Below is generated by plot.py at 2019-01-03 11:42:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 46.560 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 46.225 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 48.848 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 42.929 ms
Loss rate: 0.69%

Run 4: Report of Indigo — Data Link

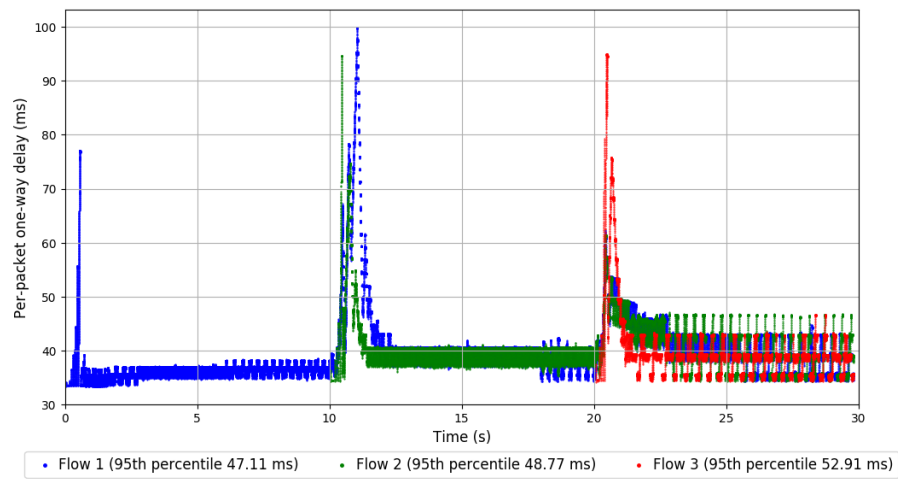
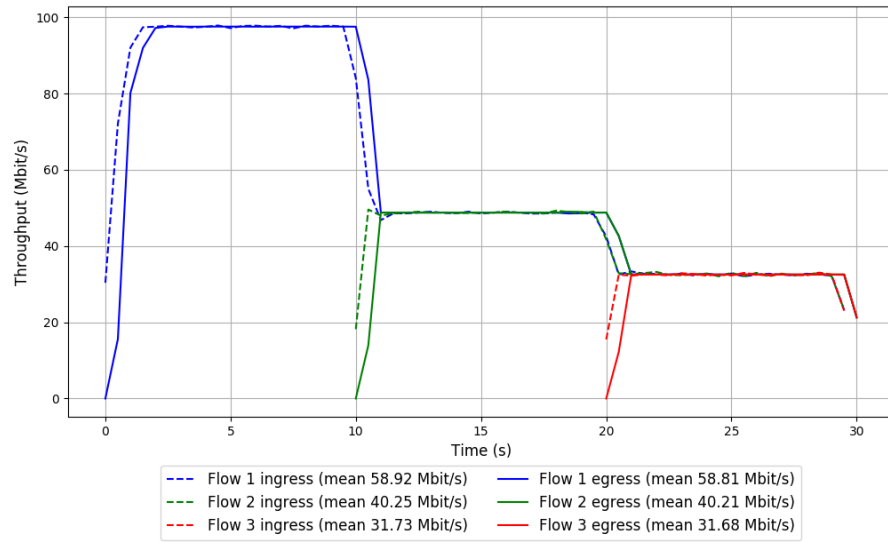


Run 5: Statistics of Indigo

Start at: 2019-01-03 11:31:57
End at: 2019-01-03 11:32:27
Local clock offset: 0.638 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2019-01-03 11:42:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 48.034 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 47.106 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 48.770 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 52.909 ms
Loss rate: 0.79%

Run 5: Report of Indigo — Data Link

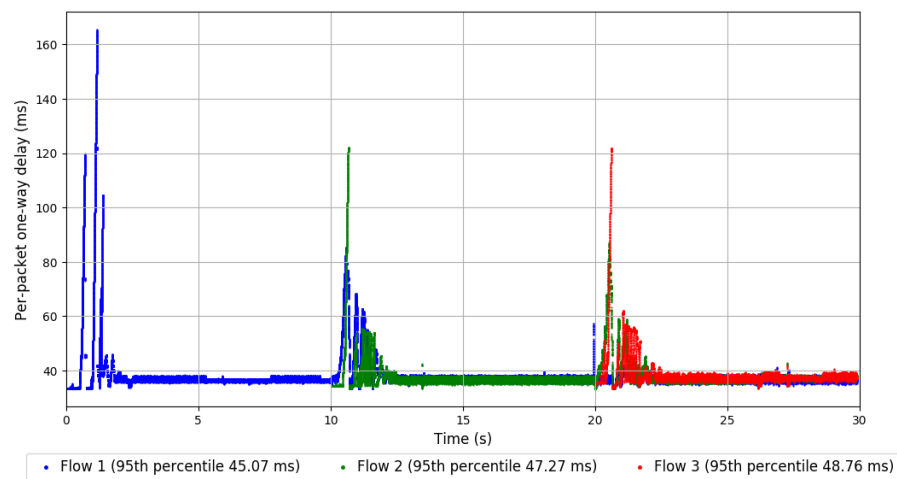
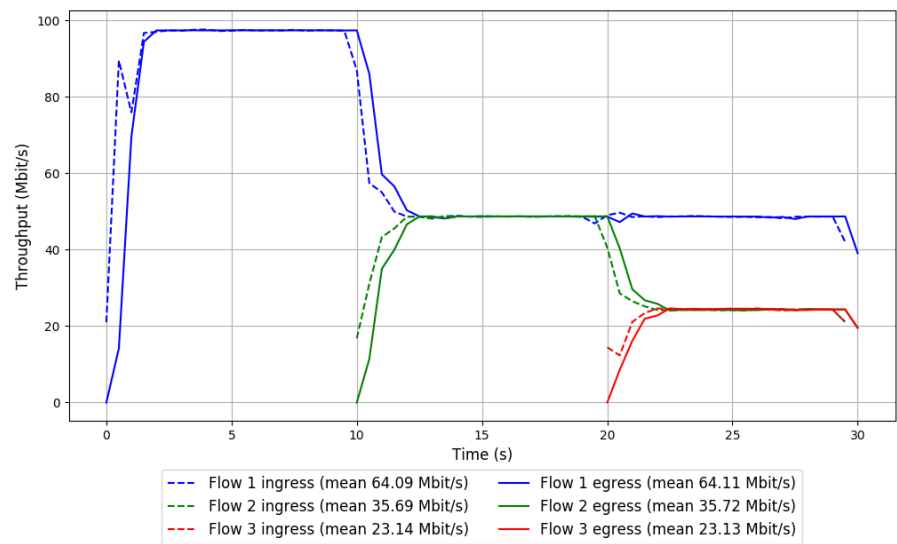


Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-03 09:51:50
End at: 2019-01-03 09:52:20
Local clock offset: 0.381 ms
Remote clock offset: -4.545 ms

Below is generated by plot.py at 2019-01-03 11:42:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 45.651 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 45.072 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 47.266 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 48.760 ms
Loss rate: 0.73%

Run 1: Report of Indigo-MusesD — Data Link

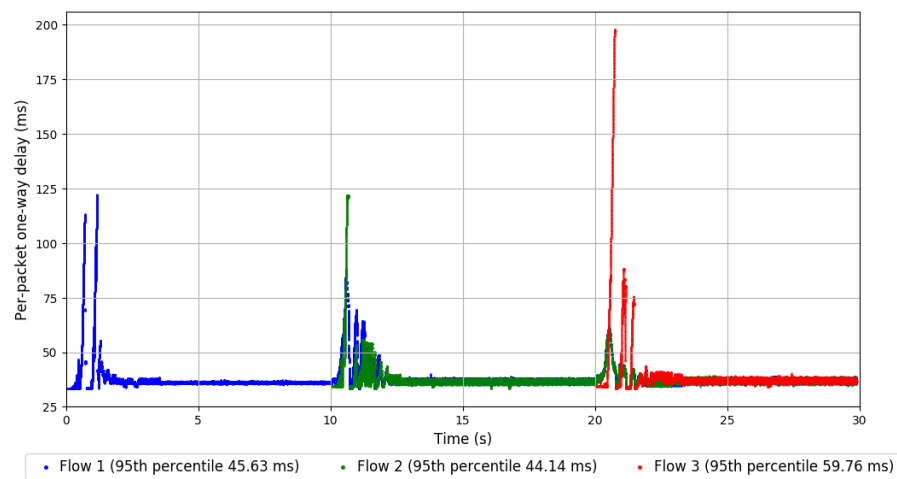
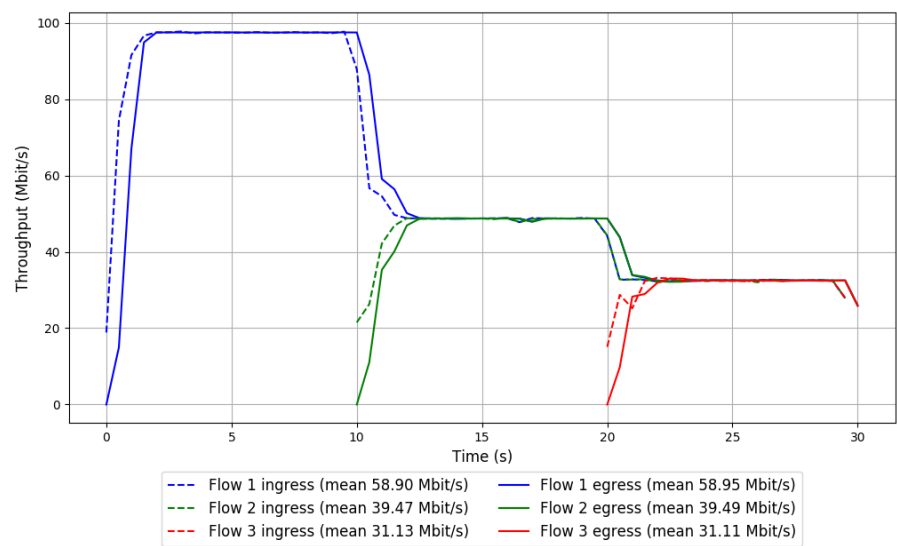


Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-03 10:15:33
End at: 2019-01-03 10:16:03
Local clock offset: 0.146 ms
Remote clock offset: -3.366 ms

Below is generated by plot.py at 2019-01-03 11:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 45.432 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 45.627 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 44.144 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 59.762 ms
Loss rate: 0.73%

Run 2: Report of Indigo-MusesD — Data Link

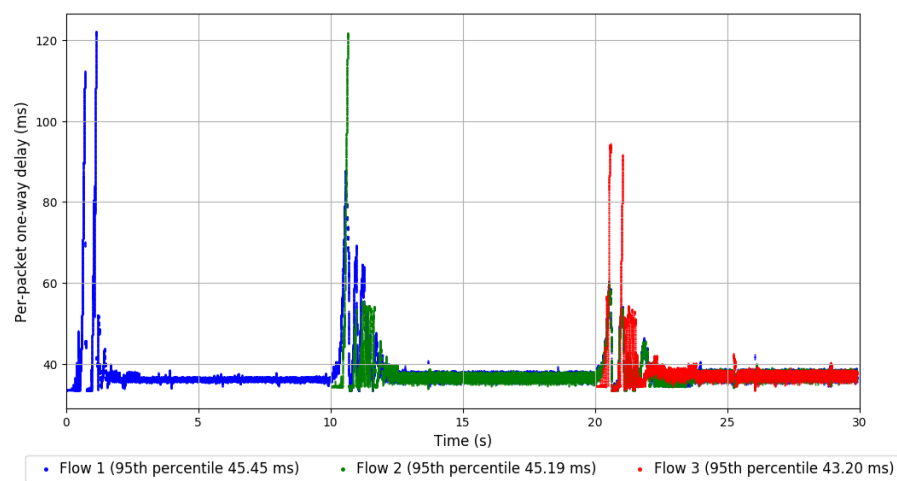
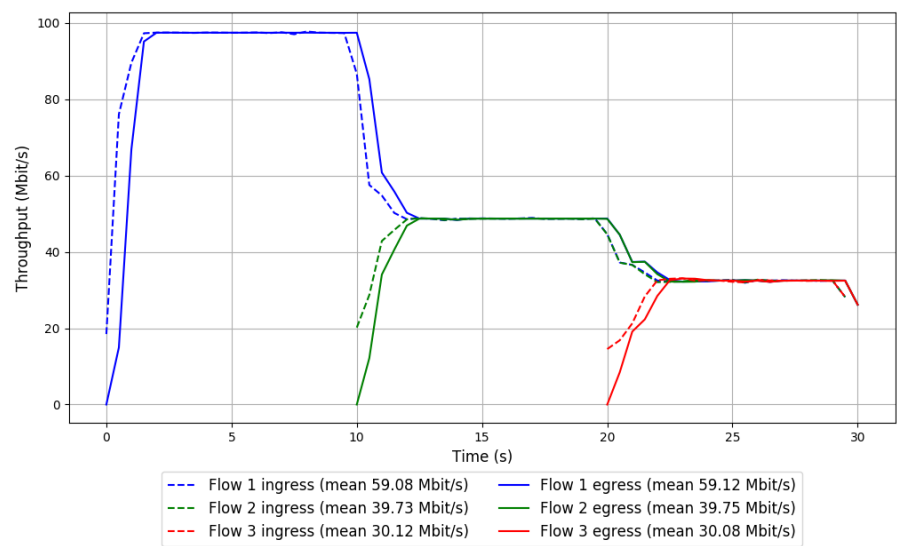


Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-03 10:39:10
End at: 2019-01-03 10:39:40
Local clock offset: 0.167 ms
Remote clock offset: -2.453 ms

Below is generated by plot.py at 2019-01-03 11:42:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 45.294 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 45.446 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 45.185 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 43.205 ms
Loss rate: 0.76%

Run 3: Report of Indigo-MusesD — Data Link

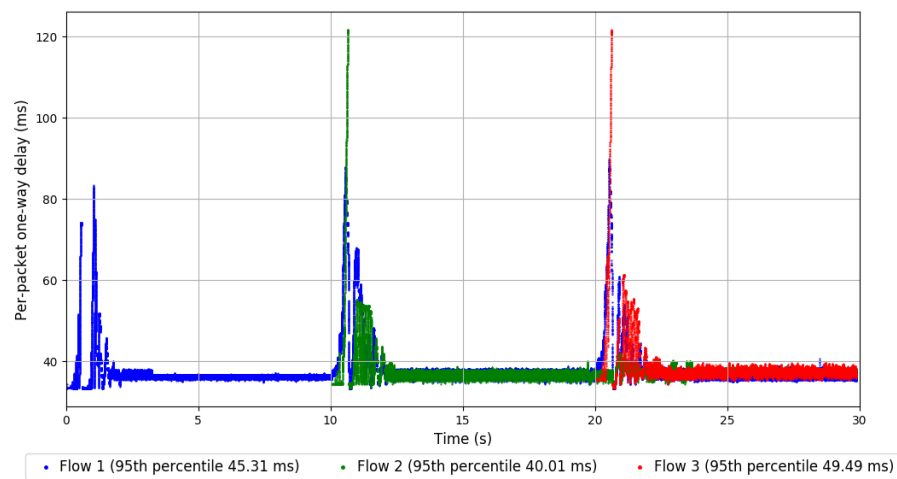
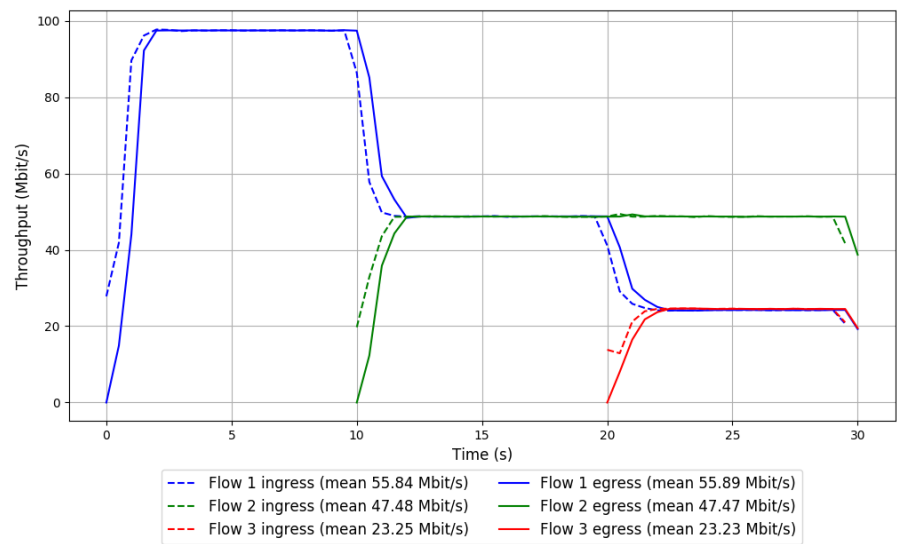


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-03 11:02:26
End at: 2019-01-03 11:02:56
Local clock offset: 0.363 ms
Remote clock offset: -1.772 ms

Below is generated by plot.py at 2019-01-03 11:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 43.880 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 45.309 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 40.008 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 49.489 ms
Loss rate: 0.73%

Run 4: Report of Indigo-MusesD — Data Link

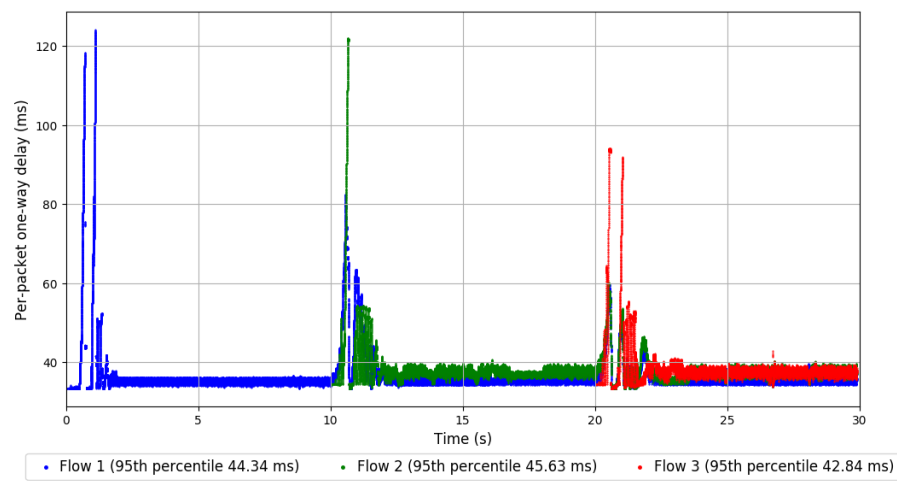
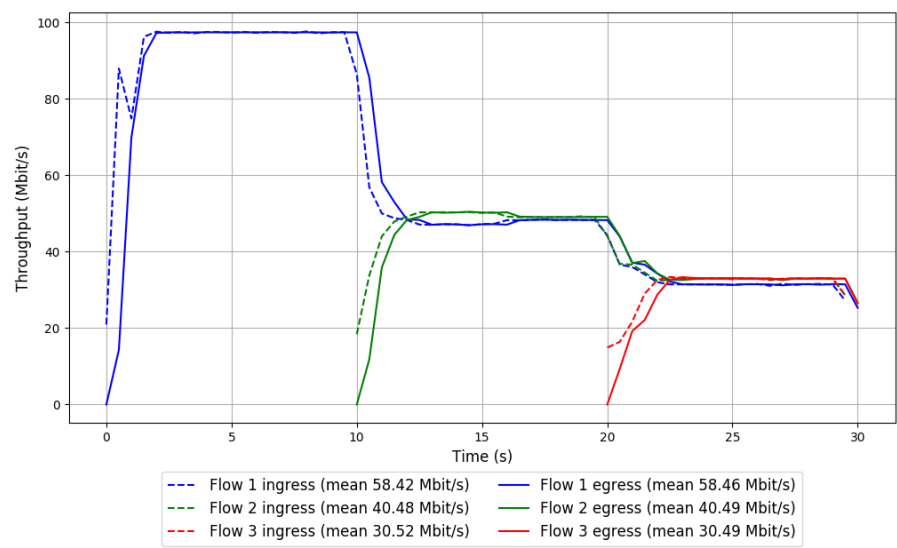


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-03 11:25:56
End at: 2019-01-03 11:26:26
Local clock offset: 0.59 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2019-01-03 11:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 45.087 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 44.340 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 45.630 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.49 Mbit/s
95th percentile per-packet one-way delay: 42.837 ms
Loss rate: 0.75%

Run 5: Report of Indigo-MusesD — Data Link

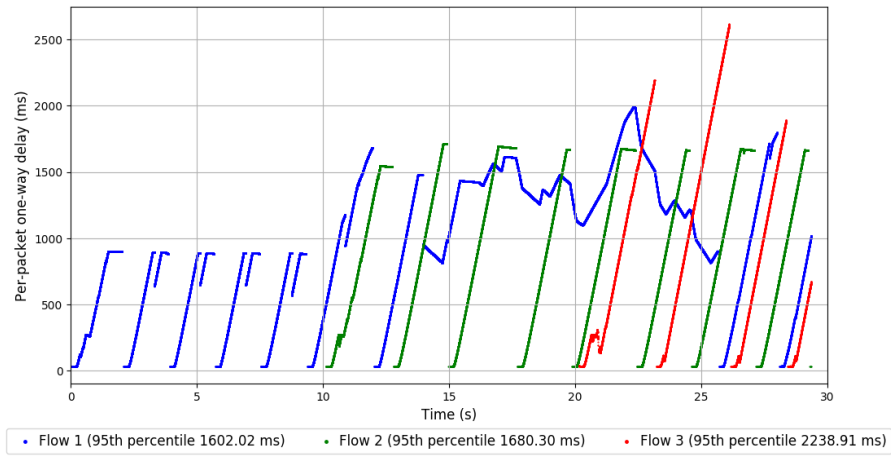
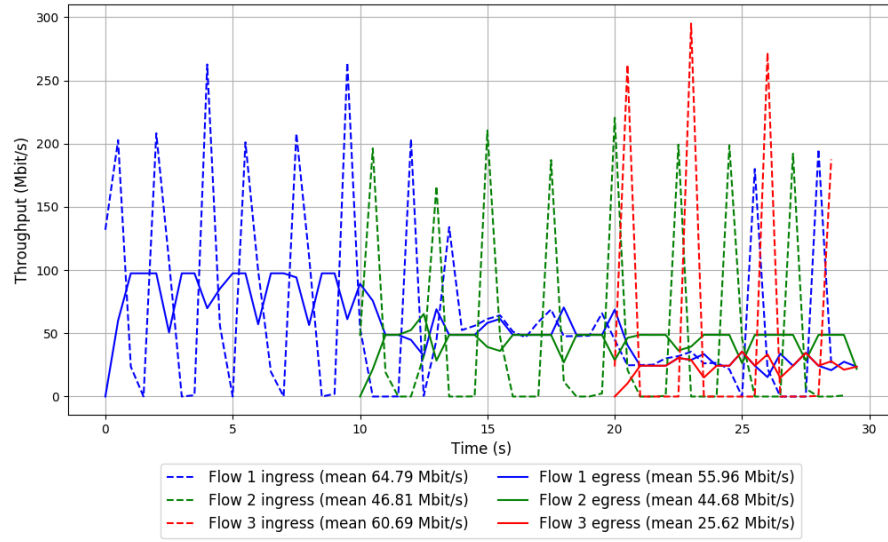


Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-03 09:46:56
End at: 2019-01-03 09:47:26
Local clock offset: 0.351 ms
Remote clock offset: -4.749 ms

Below is generated by plot.py at 2019-01-03 11:43:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 1674.026 ms
Loss rate: 16.72%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 1602.022 ms
Loss rate: 11.79%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 1680.304 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 2238.906 ms
Loss rate: 54.81%

Run 1: Report of Indigo-MusesT — Data Link

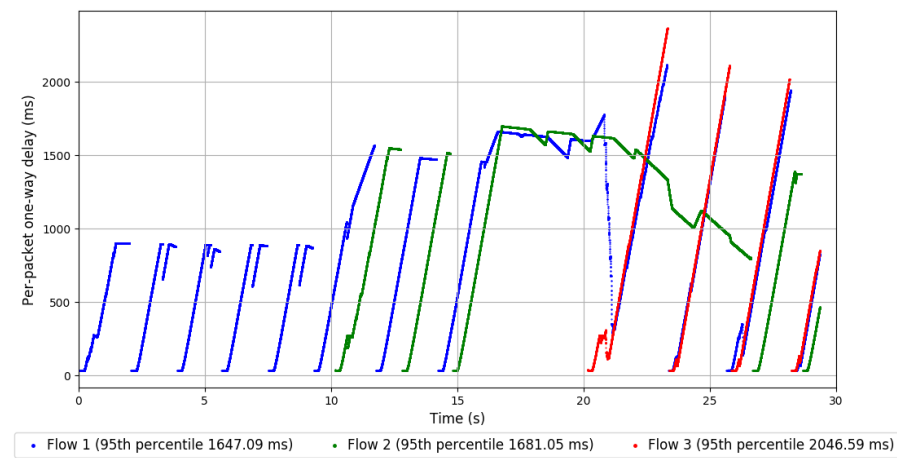
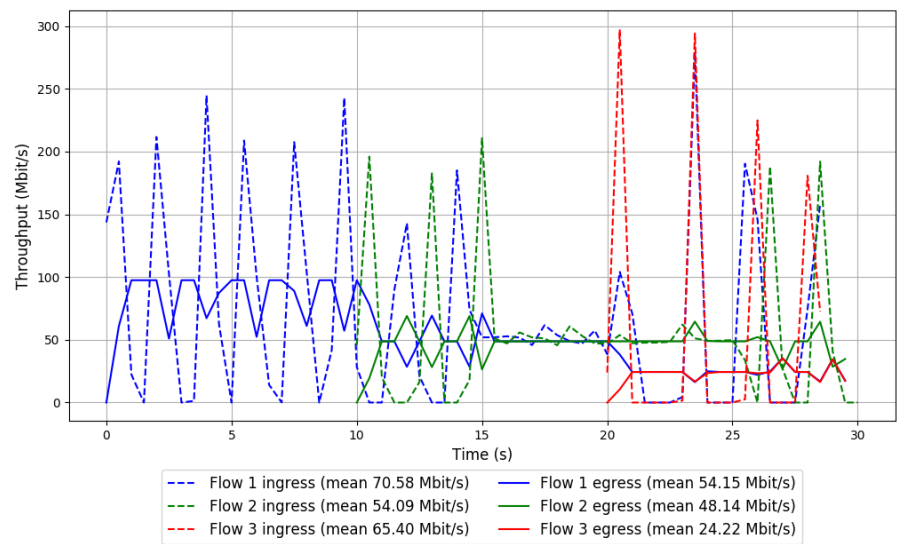


Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-03 10:10:32
End at: 2019-01-03 10:11:02
Local clock offset: 0.196 ms
Remote clock offset: -3.794 ms

Below is generated by plot.py at 2019-01-03 11:43:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 1664.347 ms
Loss rate: 25.23%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 1647.091 ms
Loss rate: 21.19%
-- Flow 2:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 1681.054 ms
Loss rate: 15.52%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 2046.585 ms
Loss rate: 59.44%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-03 10:34:19

End at: 2019-01-03 10:34:49

Local clock offset: 0.168 ms

Remote clock offset: -2.64 ms

Below is generated by plot.py at 2019-01-03 11:43:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 1669.846 ms

Loss rate: 22.58%

-- Flow 1:

Average throughput: 62.35 Mbit/s

95th percentile per-packet one-way delay: 1647.732 ms

Loss rate: 7.67%

-- Flow 2:

Average throughput: 37.85 Mbit/s

95th percentile per-packet one-way delay: 1713.010 ms

Loss rate: 30.75%

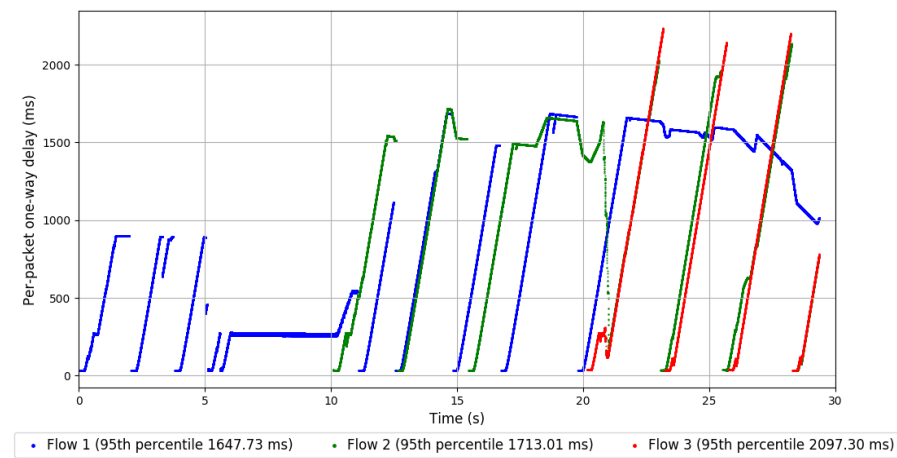
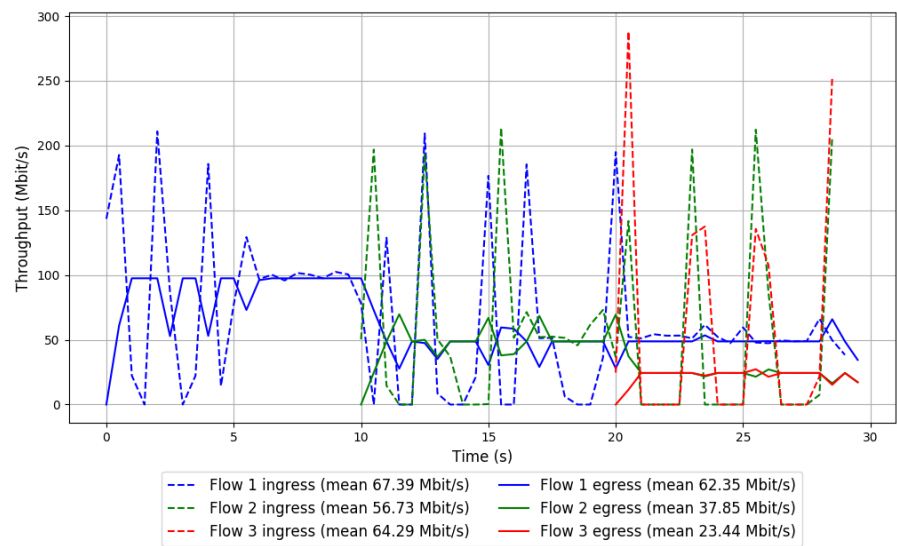
-- Flow 3:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 2097.304 ms

Loss rate: 60.68%

Run 3: Report of Indigo-MusesT — Data Link

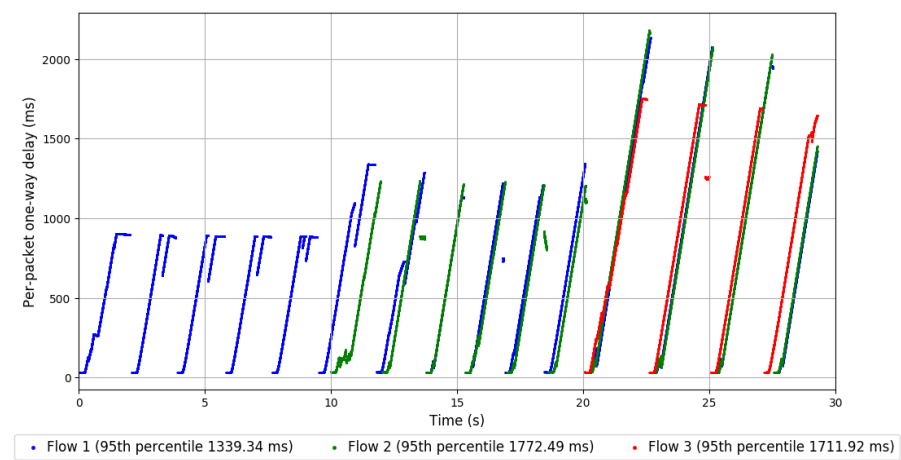
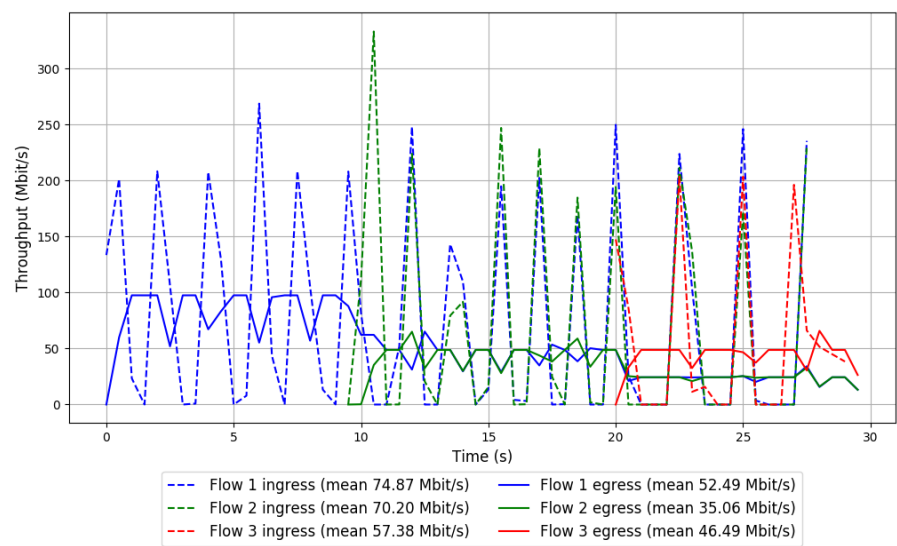


Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-03 10:57:30
End at: 2019-01-03 10:58:00
Local clock offset: 0.257 ms
Remote clock offset: -1.878 ms

Below is generated by plot.py at 2019-01-03 11:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 1643.178 ms
Loss rate: 31.86%
-- Flow 1:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 1339.342 ms
Loss rate: 26.43%
-- Flow 2:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 1772.494 ms
Loss rate: 46.13%
-- Flow 3:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 1711.921 ms
Loss rate: 19.53%

Run 4: Report of Indigo-MusesT — Data Link

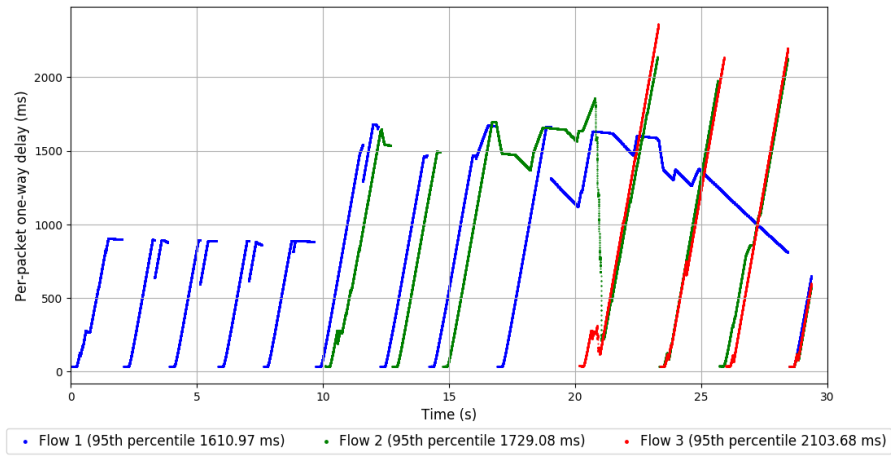
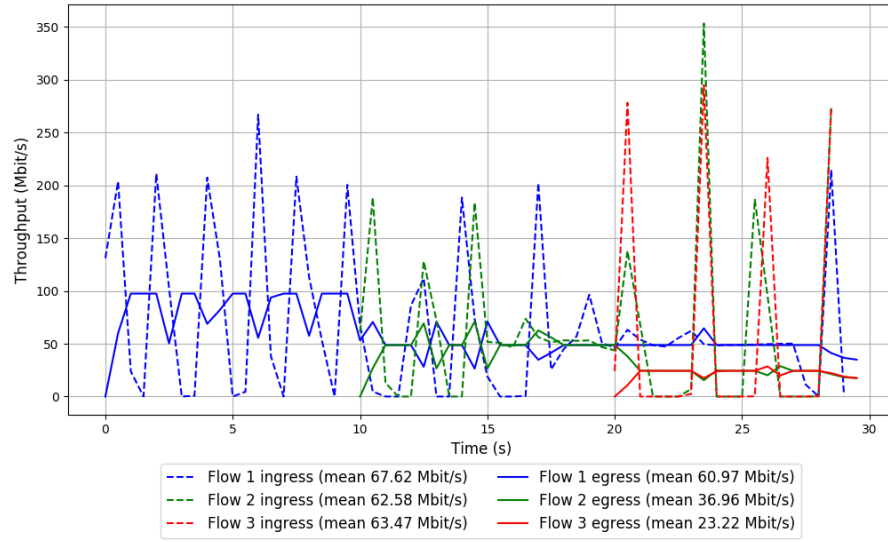


Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-03 11:21:03
End at: 2019-01-03 11:21:33
Local clock offset: 0.56 ms
Remote clock offset: -1.471 ms

Below is generated by plot.py at 2019-01-03 11:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 1664.288 ms
Loss rate: 26.37%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 1610.967 ms
Loss rate: 8.85%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 1729.079 ms
Loss rate: 39.31%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 2103.678 ms
Loss rate: 61.20%

Run 5: Report of Indigo-MusesT — Data Link

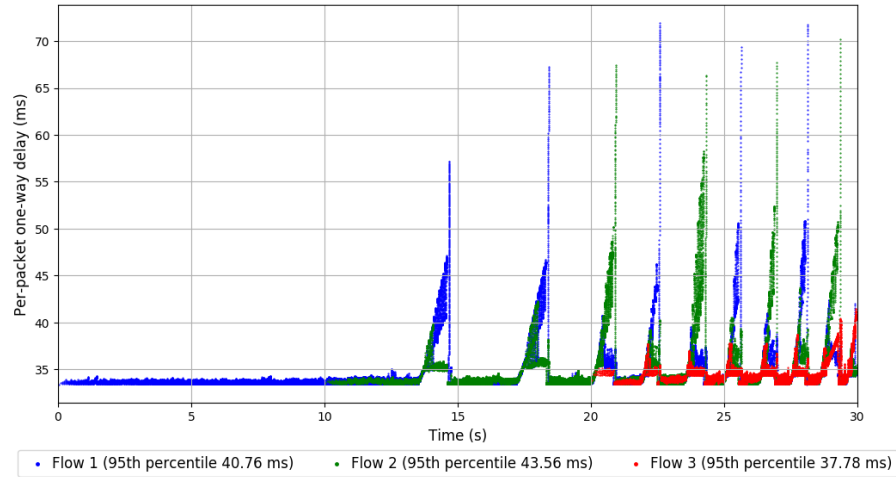
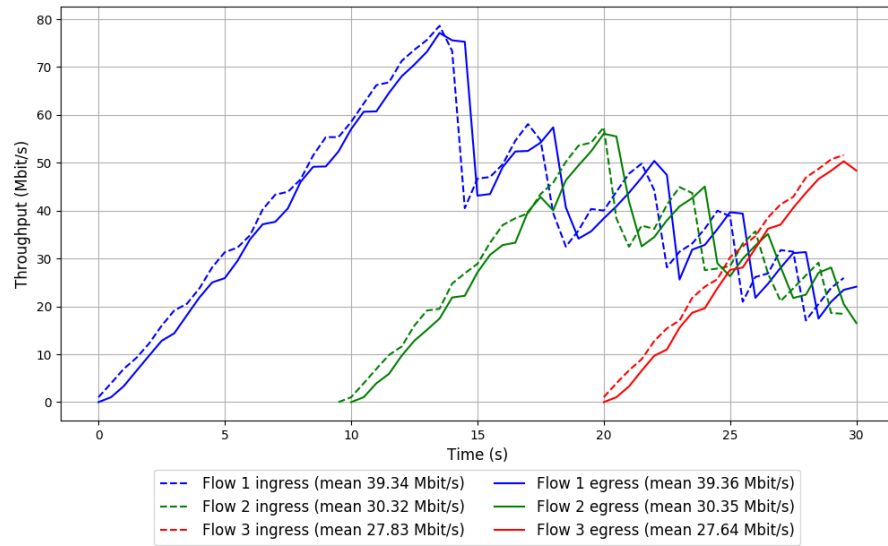


Run 1: Statistics of LEDBAT

Start at: 2019-01-03 09:53:04
End at: 2019-01-03 09:53:34
Local clock offset: 0.389 ms
Remote clock offset: -4.493 ms

Below is generated by plot.py at 2019-01-03 11:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 41.075 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 40.761 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 43.565 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 27.64 Mbit/s
95th percentile per-packet one-way delay: 37.780 ms
Loss rate: 1.30%

Run 1: Report of LEDBAT — Data Link

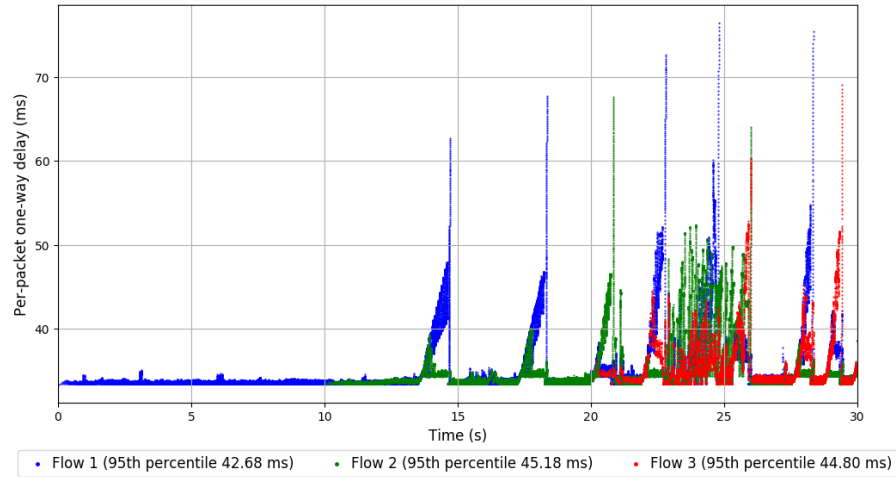
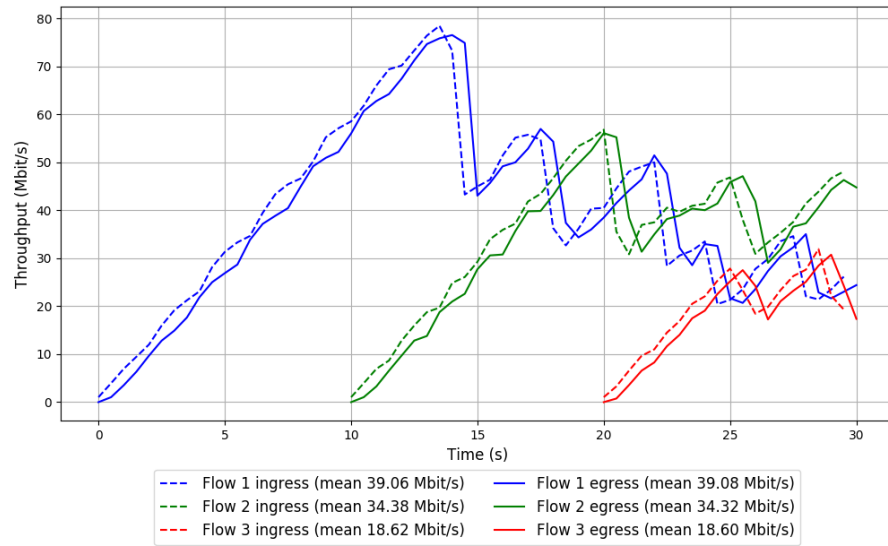


Run 2: Statistics of LEDBAT

Start at: 2019-01-03 10:16:52
End at: 2019-01-03 10:17:22
Local clock offset: 0.184 ms
Remote clock offset: -3.292 ms

Below is generated by plot.py at 2019-01-03 11:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 44.205 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 42.680 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 45.181 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 44.796 ms
Loss rate: 0.73%

Run 2: Report of LEDBAT — Data Link

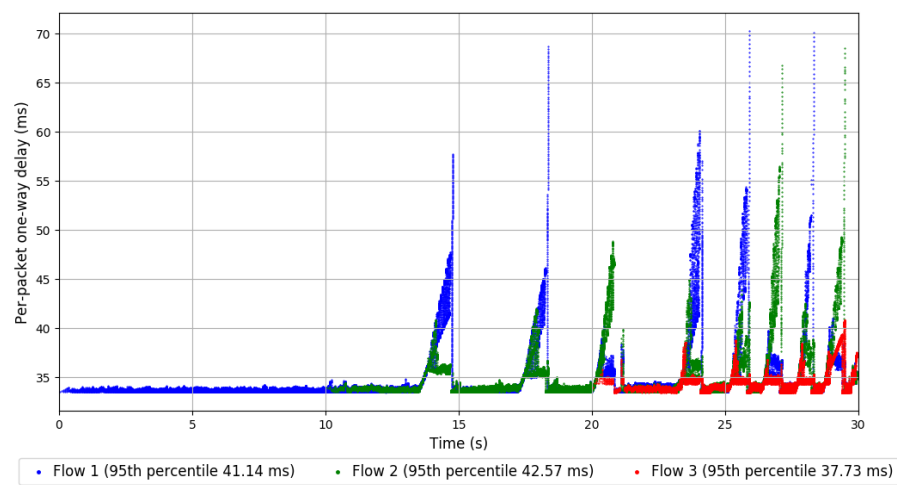
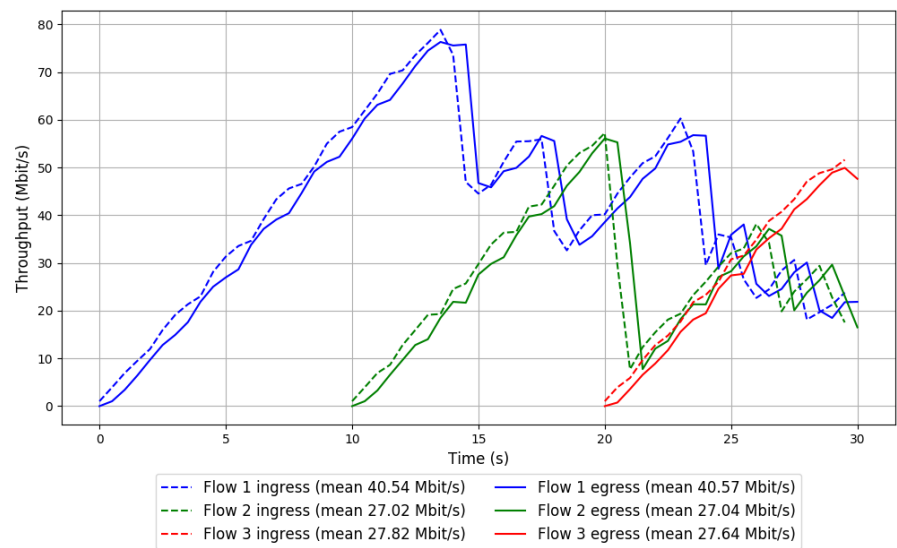


Run 3: Statistics of LEDBAT

Start at: 2019-01-03 10:40:24
End at: 2019-01-03 10:40:54
Local clock offset: 0.147 ms
Remote clock offset: -2.459 ms

Below is generated by plot.py at 2019-01-03 11:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.71 Mbit/s
95th percentile per-packet one-way delay: 41.109 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 41.139 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 42.574 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 27.64 Mbit/s
95th percentile per-packet one-way delay: 37.734 ms
Loss rate: 1.31%

Run 3: Report of LEDBAT — Data Link

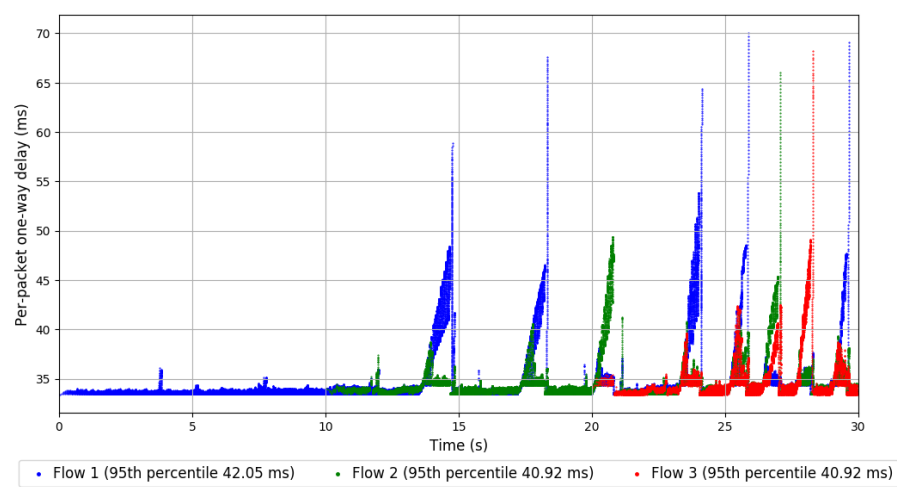
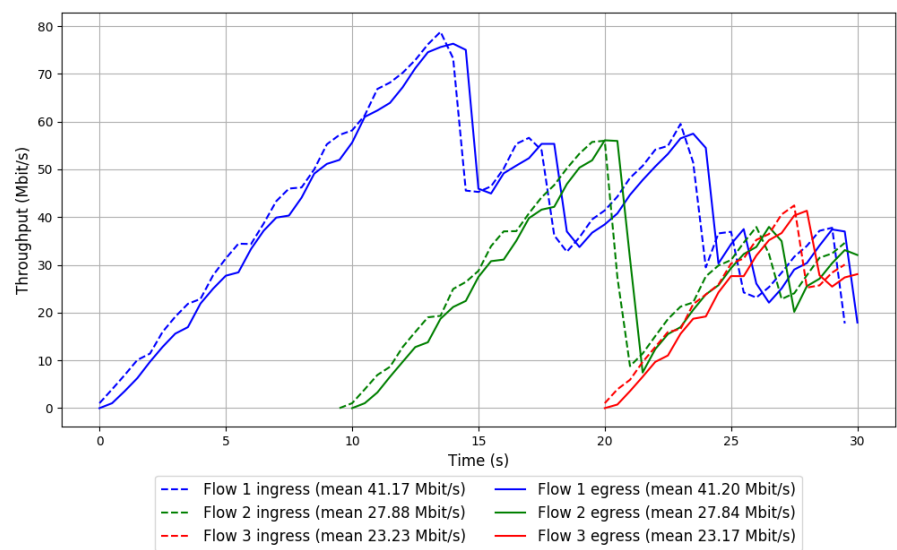


Run 4: Statistics of LEDBAT

Start at: 2019-01-03 11:03:42
End at: 2019-01-03 11:04:12
Local clock offset: 0.371 ms
Remote clock offset: -1.705 ms

Below is generated by plot.py at 2019-01-03 11:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.40 Mbit/s
95th percentile per-packet one-way delay: 41.504 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 42.046 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 40.918 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 40.920 ms
Loss rate: 0.92%

Run 4: Report of LEDBAT — Data Link

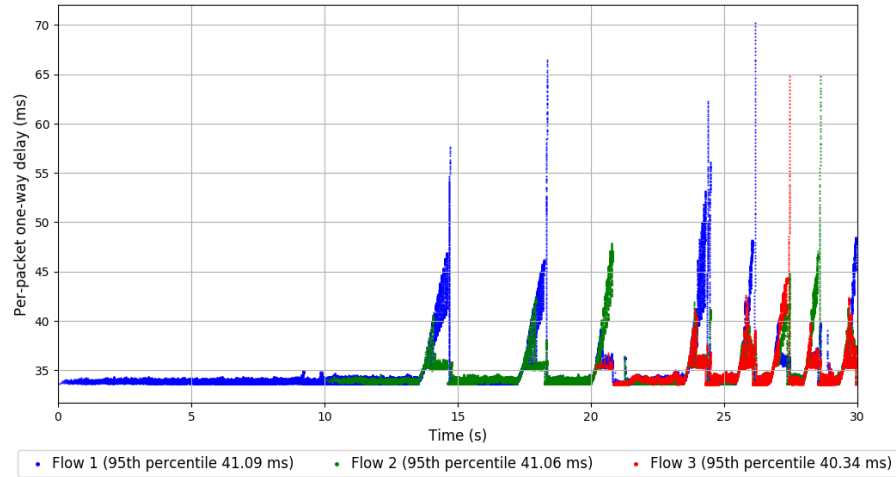
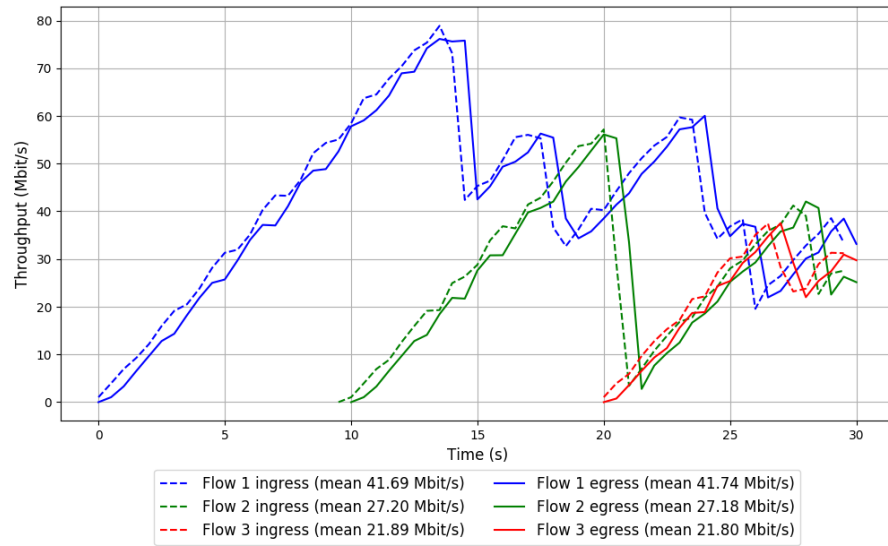


Run 5: Statistics of LEDBAT

Start at: 2019-01-03 11:27:10
End at: 2019-01-03 11:27:40
Local clock offset: 0.602 ms
Remote clock offset: -1.564 ms

Below is generated by plot.py at 2019-01-03 11:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 41.017 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 41.74 Mbit/s
95th percentile per-packet one-way delay: 41.088 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 41.061 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 40.340 ms
Loss rate: 1.05%

Run 5: Report of LEDBAT — Data Link

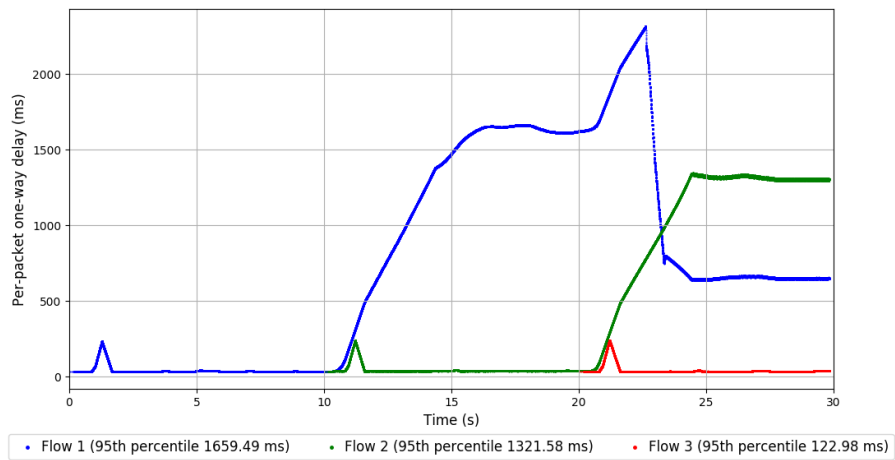
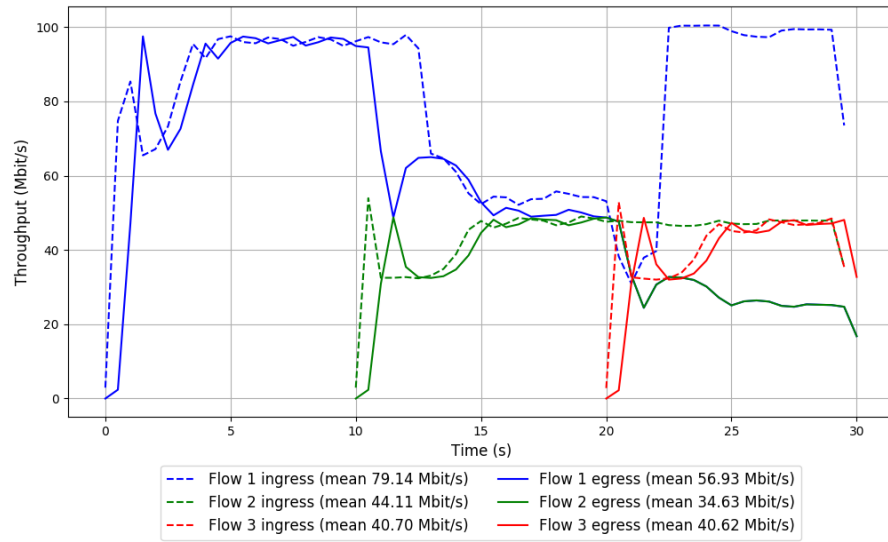


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-03 09:54:17
End at: 2019-01-03 09:54:47
Local clock offset: 0.399 ms
Remote clock offset: -4.545 ms

# Below is generated by plot.py at 2019-01-03 11:44:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 1650.823 ms
Loss rate: 23.64%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 1659.487 ms
Loss rate: 28.21%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 1321.577 ms
Loss rate: 21.74%
-- Flow 3:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 122.980 ms
Loss rate: 0.85%
```

Run 1: Report of PCC-Allegro — Data Link

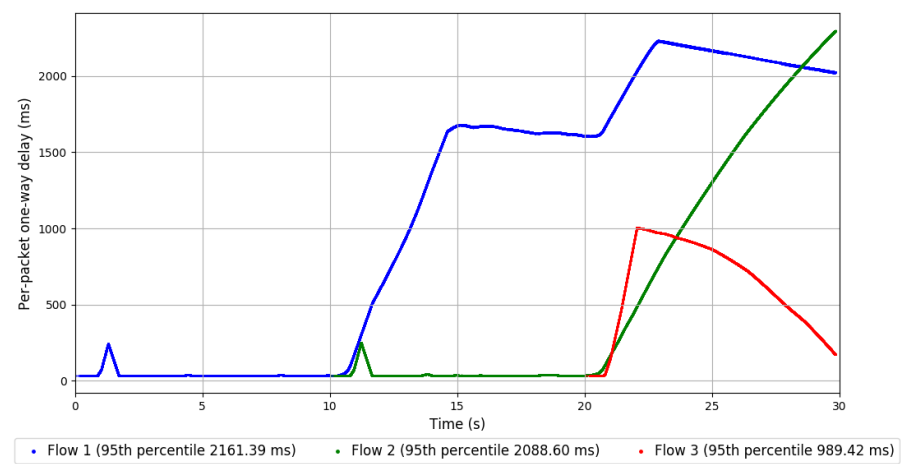
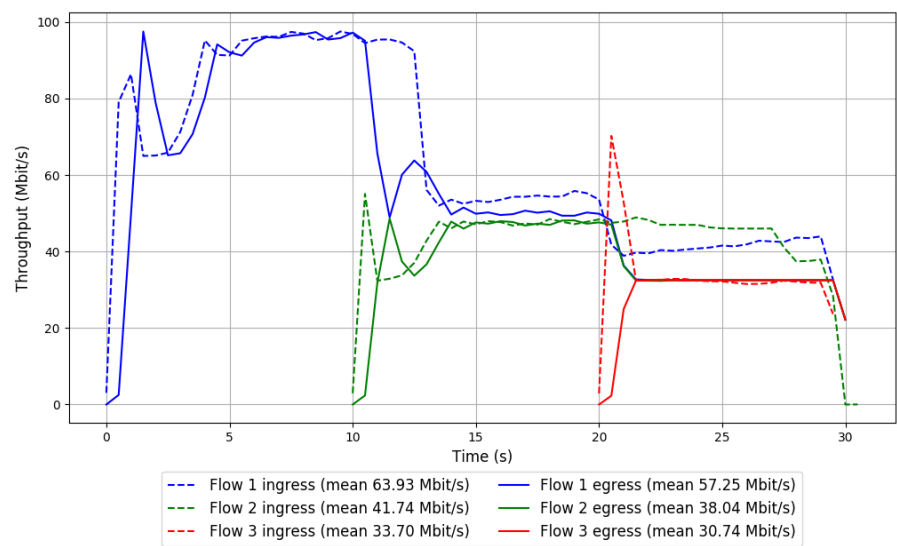


Run 2: Statistics of PCC-Allegro

Start at: 2019-01-03 10:18:05
End at: 2019-01-03 10:18:35
Local clock offset: 0.175 ms
Remote clock offset: -3.306 ms

Below is generated by plot.py at 2019-01-03 11:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 2142.808 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 2161.388 ms
Loss rate: 10.64%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 2088.596 ms
Loss rate: 13.46%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 989.419 ms
Loss rate: 9.40%

Run 2: Report of PCC-Allegro — Data Link

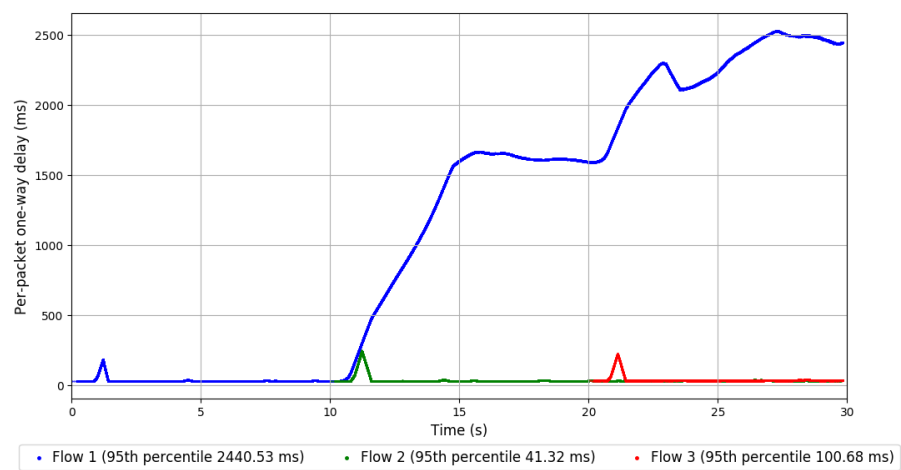
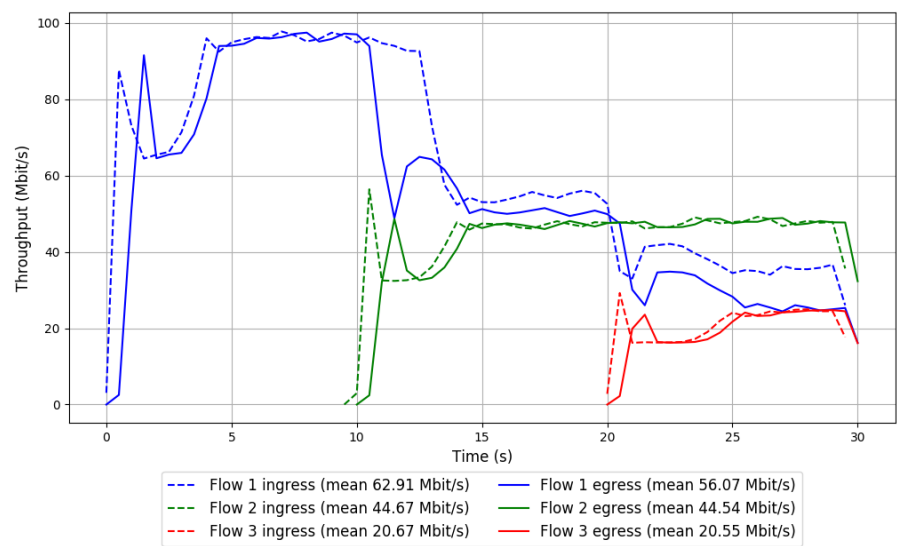


Run 3: Statistics of PCC-Allegro

Start at: 2019-01-03 10:41:37
End at: 2019-01-03 10:42:07
Local clock offset: 0.167 ms
Remote clock offset: -2.612 ms

Below is generated by plot.py at 2019-01-03 11:44:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 2250.499 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 2440.535 ms
Loss rate: 11.07%
-- Flow 2:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 41.316 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 100.678 ms
Loss rate: 1.21%

Run 3: Report of PCC-Allegro — Data Link

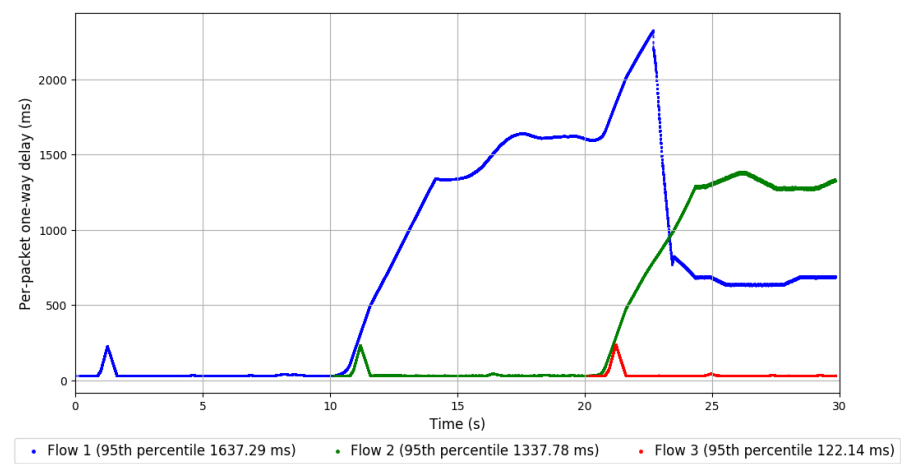
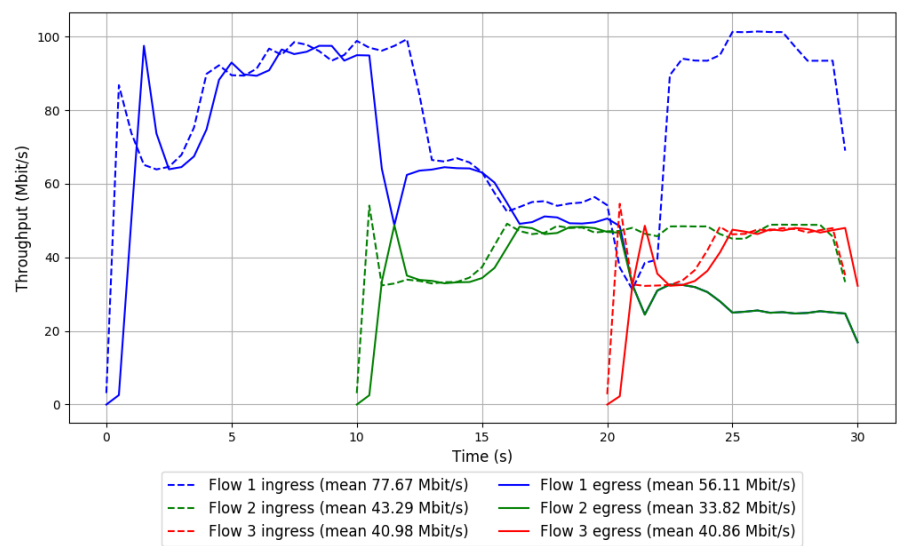


Run 4: Statistics of PCC-Allegro

Start at: 2019-01-03 11:04:56
End at: 2019-01-03 11:05:26
Local clock offset: 0.394 ms
Remote clock offset: -1.679 ms

Below is generated by plot.py at 2019-01-03 11:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 1622.050 ms
Loss rate: 23.48%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 1637.293 ms
Loss rate: 27.91%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 1337.775 ms
Loss rate: 22.13%
-- Flow 3:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 122.142 ms
Loss rate: 0.94%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-03 11:28:24

End at: 2019-01-03 11:28:54

Local clock offset: 0.618 ms

Remote clock offset: -1.4 ms

Below is generated by plot.py at 2019-01-03 11:45:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 2120.460 ms

Loss rate: 10.98%

-- Flow 1:

Average throughput: 58.16 Mbit/s

95th percentile per-packet one-way delay: 2144.763 ms

Loss rate: 10.44%

-- Flow 2:

Average throughput: 37.83 Mbit/s

95th percentile per-packet one-way delay: 2050.099 ms

Loss rate: 13.38%

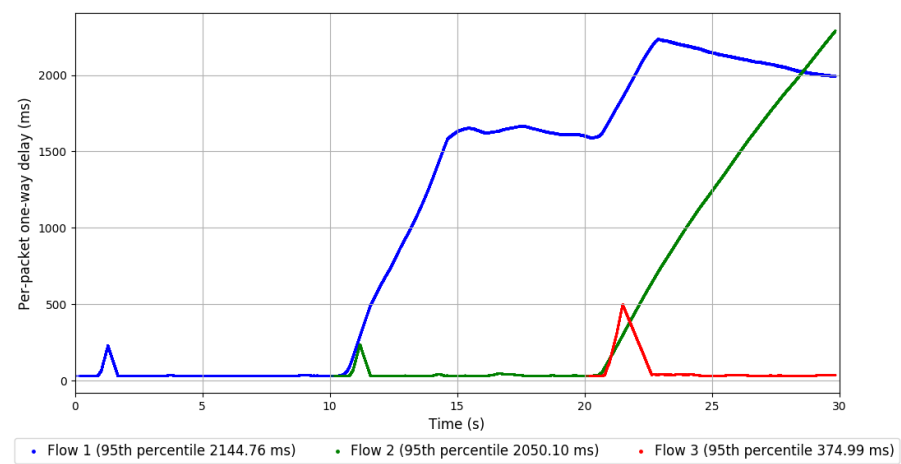
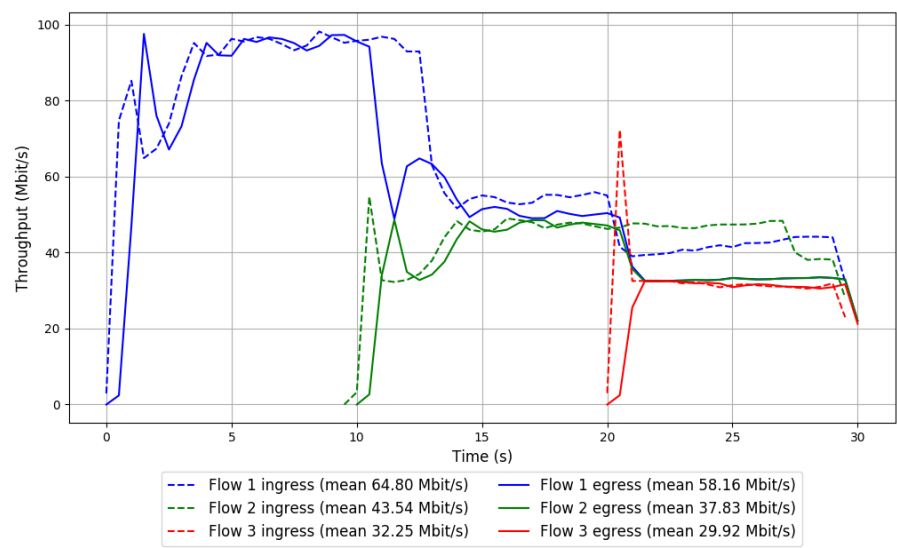
-- Flow 3:

Average throughput: 29.92 Mbit/s

95th percentile per-packet one-way delay: 374.988 ms

Loss rate: 7.79%

Run 5: Report of PCC-Allegro — Data Link

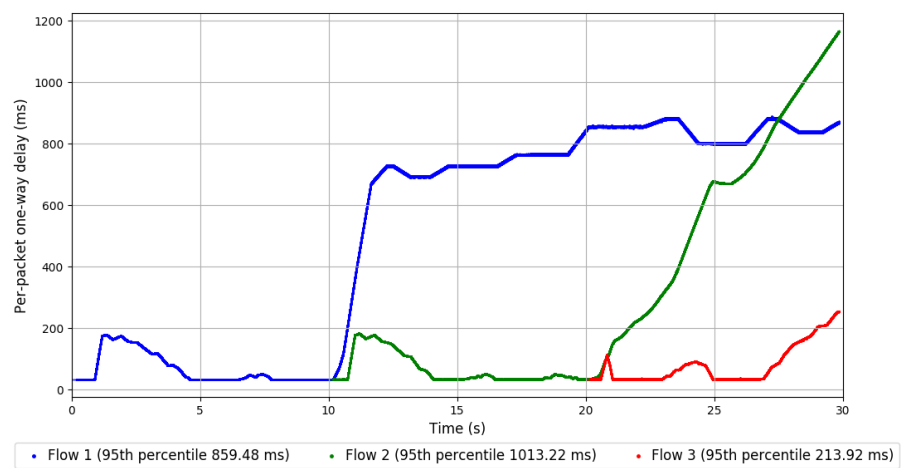
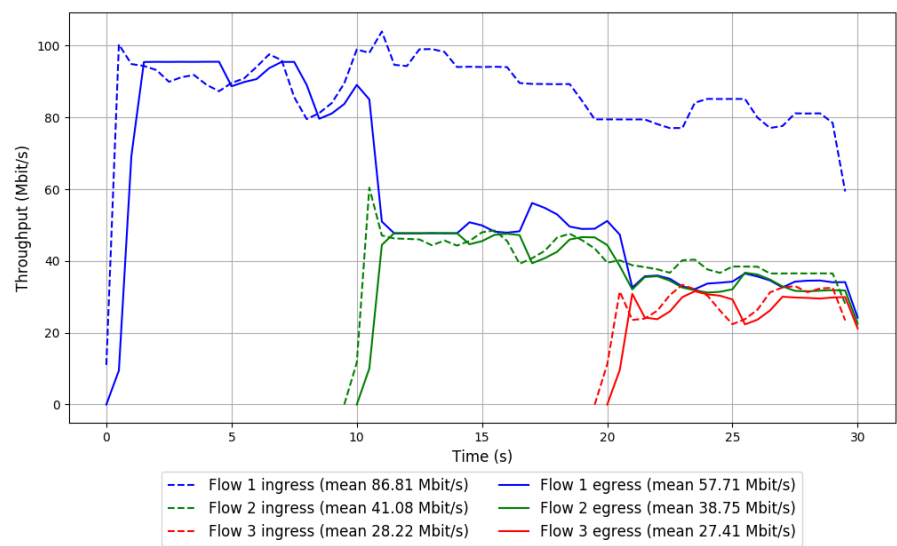


```
Run 1: Statistics of PCC-Expr

Start at: 2019-01-03 10:00:26
End at: 2019-01-03 10:00:56
Local clock offset: 0.271 ms
Remote clock offset: -4.148 ms

# Below is generated by plot.py at 2019-01-03 11:46:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 866.867 ms
Loss rate: 25.25%
-- Flow 1:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 859.479 ms
Loss rate: 33.66%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 1013.219 ms
Loss rate: 5.96%
-- Flow 3:
Average throughput: 27.41 Mbit/s
95th percentile per-packet one-way delay: 213.921 ms
Loss rate: 3.49%
```

Run 1: Report of PCC-Expr — Data Link

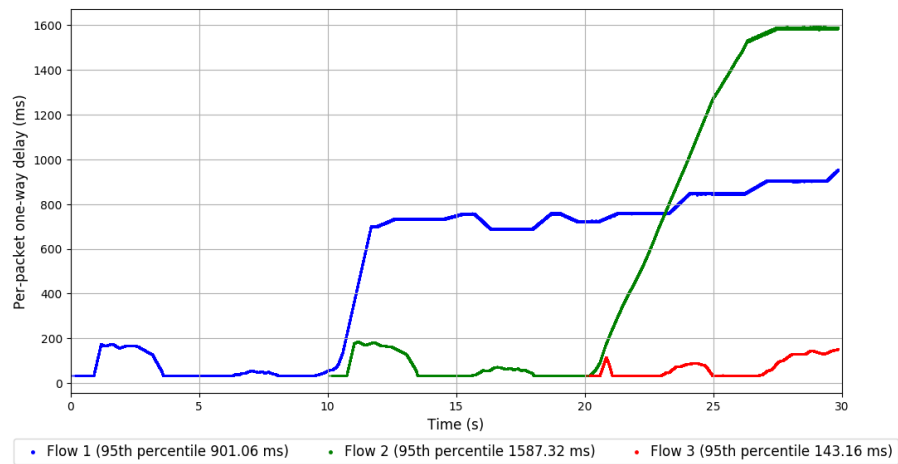
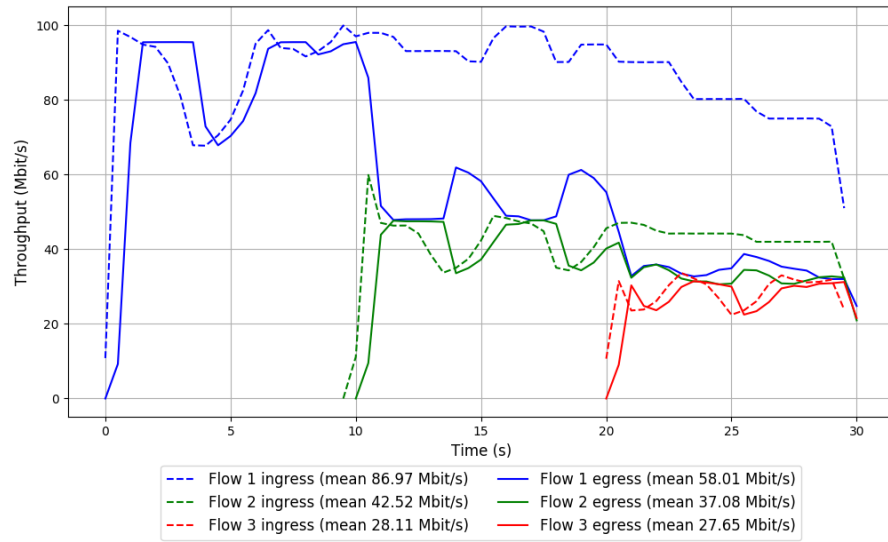


Run 2: Statistics of PCC-Expr

Start at: 2019-01-03 10:24:12
End at: 2019-01-03 10:24:42
Local clock offset: 0.172 ms
Remote clock offset: -3.007 ms

Below is generated by plot.py at 2019-01-03 11:46:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 1368.526 ms
Loss rate: 26.49%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 901.062 ms
Loss rate: 33.45%
-- Flow 2:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 1587.323 ms
Loss rate: 13.08%
-- Flow 3:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 143.162 ms
Loss rate: 2.25%

Run 2: Report of PCC-Expr — Data Link

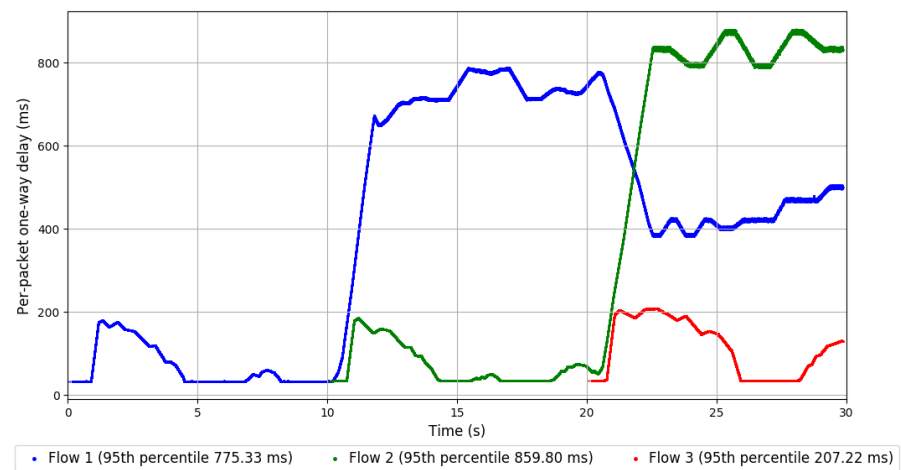
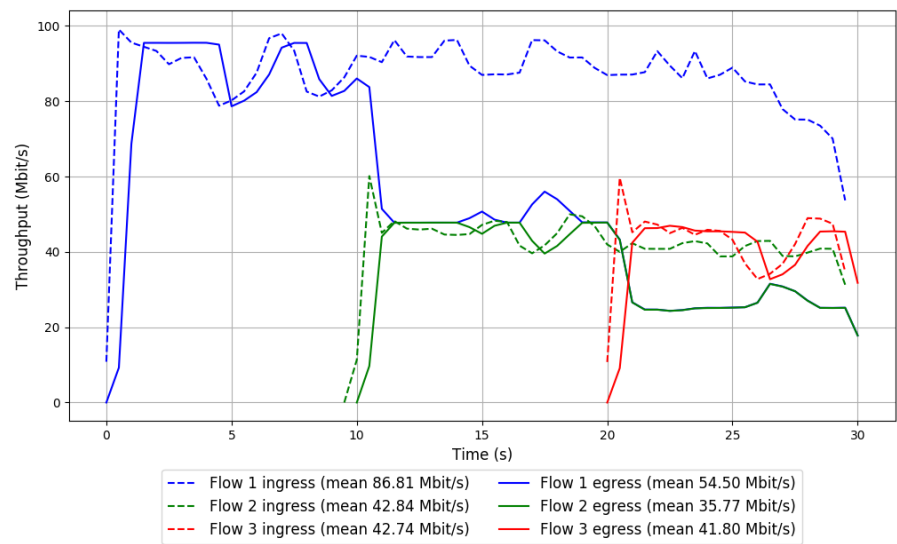


Run 3: Statistics of PCC-Expr

Start at: 2019-01-03 10:47:38
End at: 2019-01-03 10:48:08
Local clock offset: 0.152 ms
Remote clock offset: -2.195 ms

Below is generated by plot.py at 2019-01-03 11:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 808.424 ms
Loss rate: 29.05%
-- Flow 1:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 775.333 ms
Loss rate: 37.35%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 859.801 ms
Loss rate: 16.77%
-- Flow 3:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 207.222 ms
Loss rate: 2.84%

Run 3: Report of PCC-Expr — Data Link

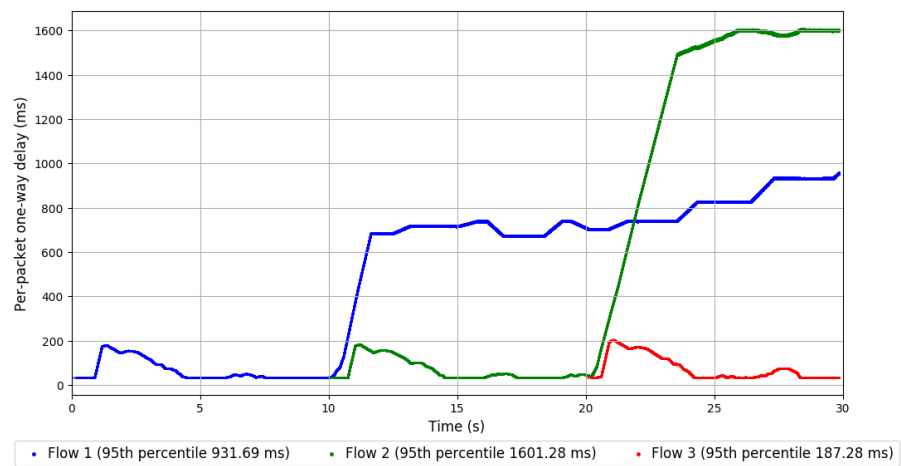
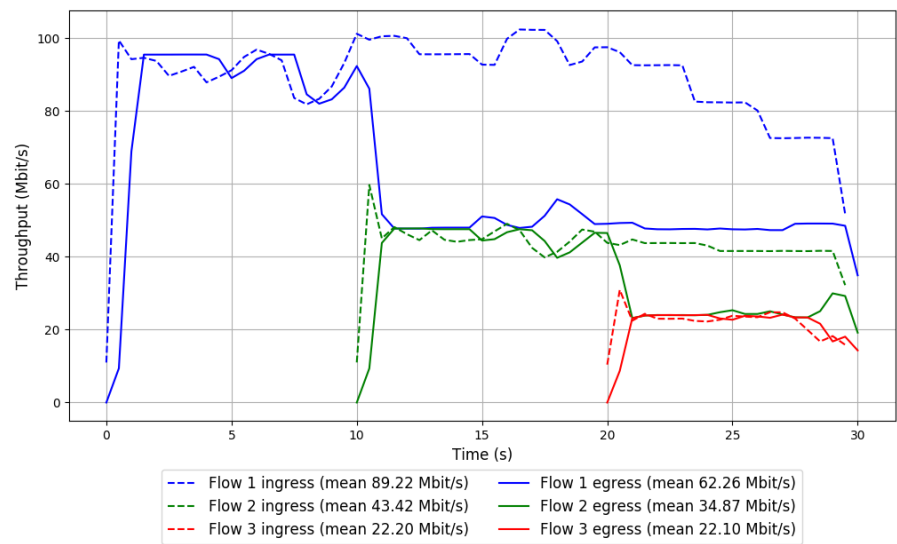


Run 4: Statistics of PCC-Expr

Start at: 2019-01-03 11:11:06
End at: 2019-01-03 11:11:36
Local clock offset: 0.469 ms
Remote clock offset: -1.617 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 1516.132 ms
Loss rate: 26.26%
-- Flow 1:
Average throughput: 62.26 Mbit/s
95th percentile per-packet one-way delay: 931.691 ms
Loss rate: 30.37%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 1601.275 ms
Loss rate: 19.95%
-- Flow 3:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 187.277 ms
Loss rate: 1.11%

Run 4: Report of PCC-Expr — Data Link

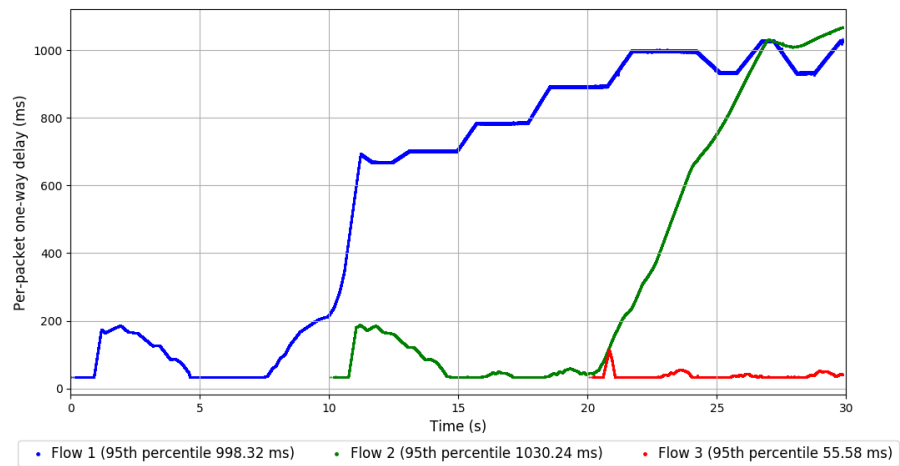
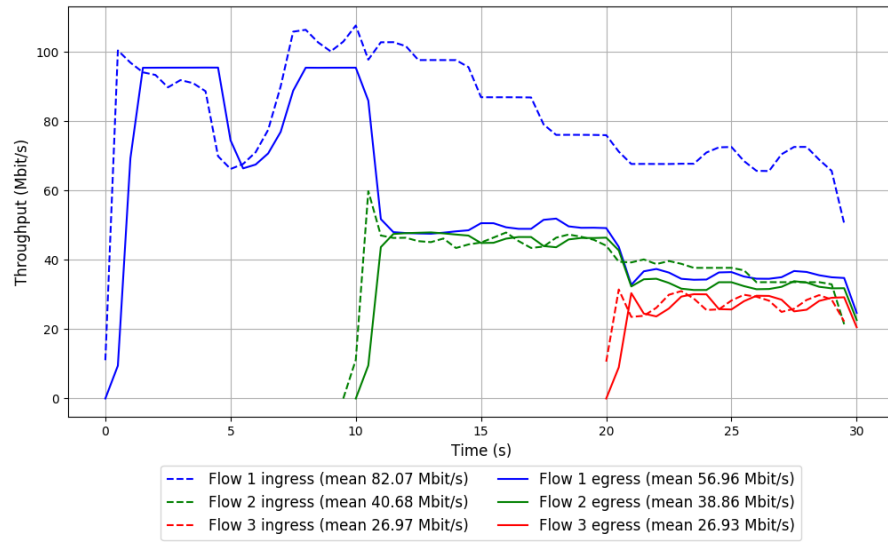


Run 5: Statistics of PCC-Expr

Start at: 2019-01-03 11:34:26
End at: 2019-01-03 11:34:56
Local clock offset: 0.651 ms
Remote clock offset: -1.422 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 1003.656 ms
Loss rate: 22.52%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 998.322 ms
Loss rate: 30.73%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 1030.236 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 55.584 ms
Loss rate: 0.80%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-03 09:56:39

End at: 2019-01-03 09:57:09

Local clock offset: 0.343 ms

Remote clock offset: -4.32 ms

Below is generated by plot.py at 2019-01-03 11:47:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 107.904 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 79.341 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 30.74 Mbit/s

95th percentile per-packet one-way delay: 132.358 ms

Loss rate: 0.40%

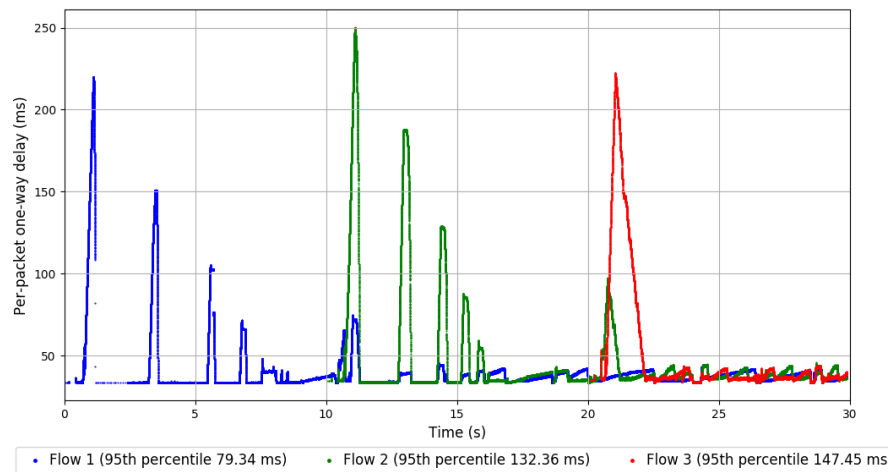
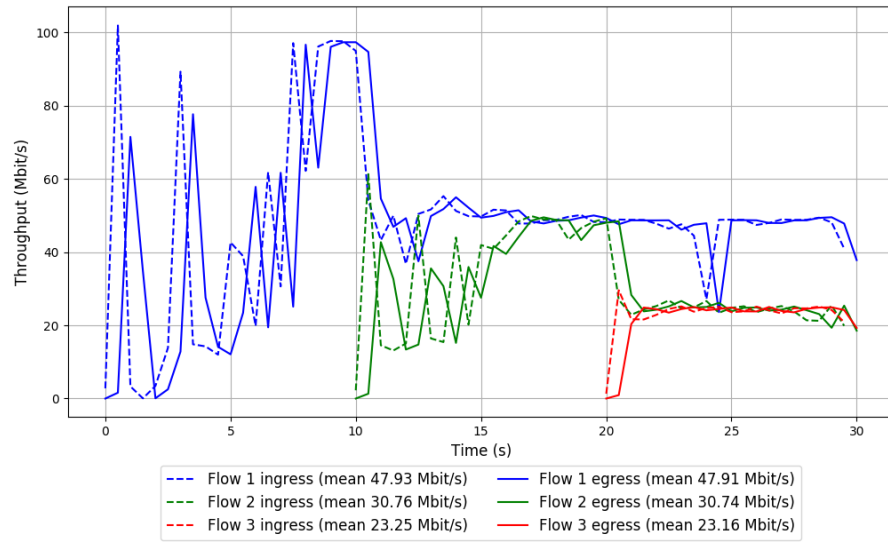
-- Flow 3:

Average throughput: 23.16 Mbit/s

95th percentile per-packet one-way delay: 147.450 ms

Loss rate: 1.04%

Run 1: Report of QUIC Cubic — Data Link

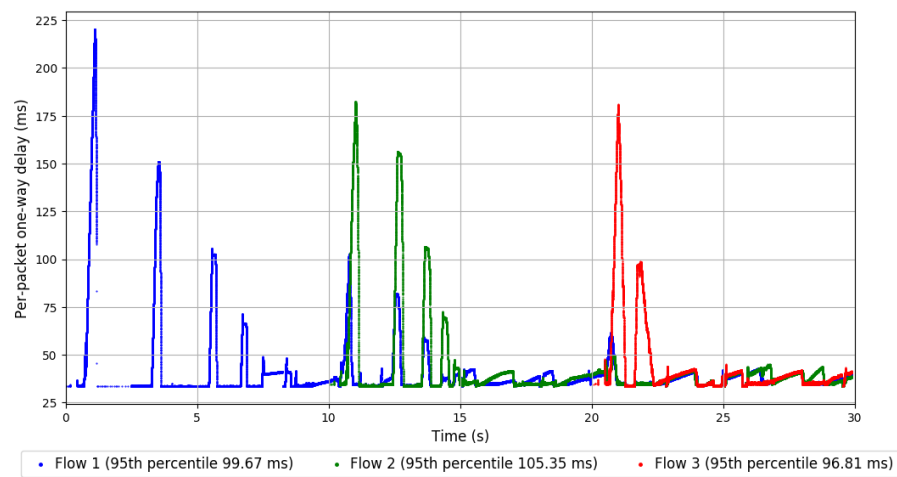
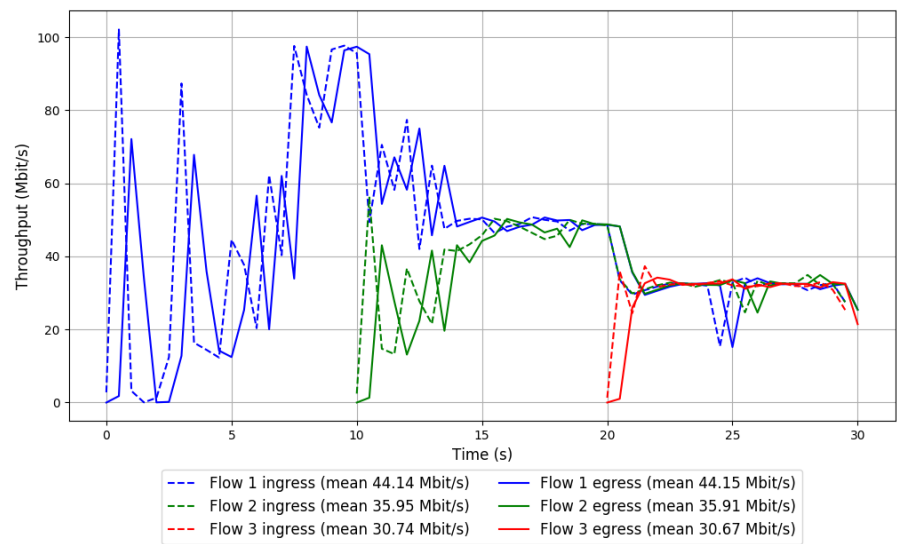


Run 2: Statistics of QUIC Cubic

Start at: 2019-01-03 10:20:27
End at: 2019-01-03 10:20:57
Local clock offset: 0.177 ms
Remote clock offset: -3.376 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 100.260 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 99.675 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 105.347 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 96.809 ms
Loss rate: 0.89%

Run 2: Report of QUIC Cubic — Data Link

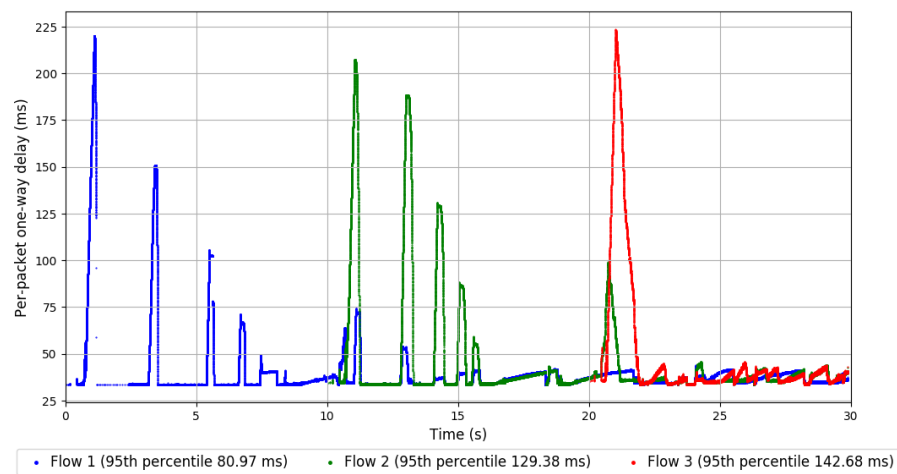
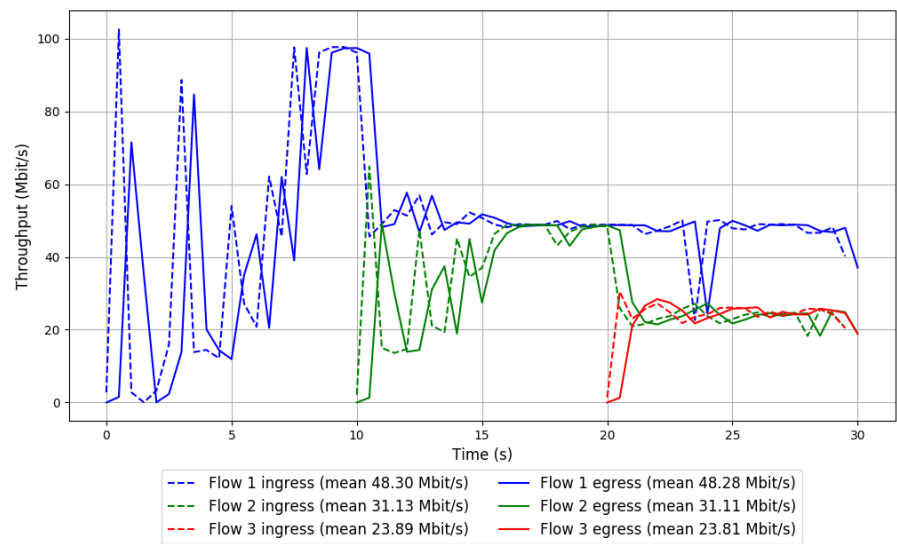


Run 3: Statistics of QUIC Cubic

Start at: 2019-01-03 10:43:57
End at: 2019-01-03 10:44:27
Local clock offset: 0.154 ms
Remote clock offset: -2.509 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 105.219 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 80.972 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 129.383 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 142.682 ms
Loss rate: 0.96%

Run 3: Report of QUIC Cubic — Data Link

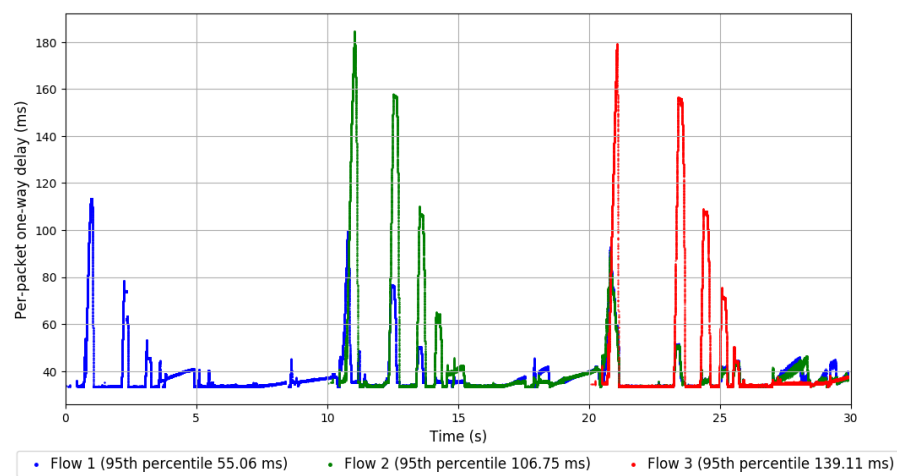
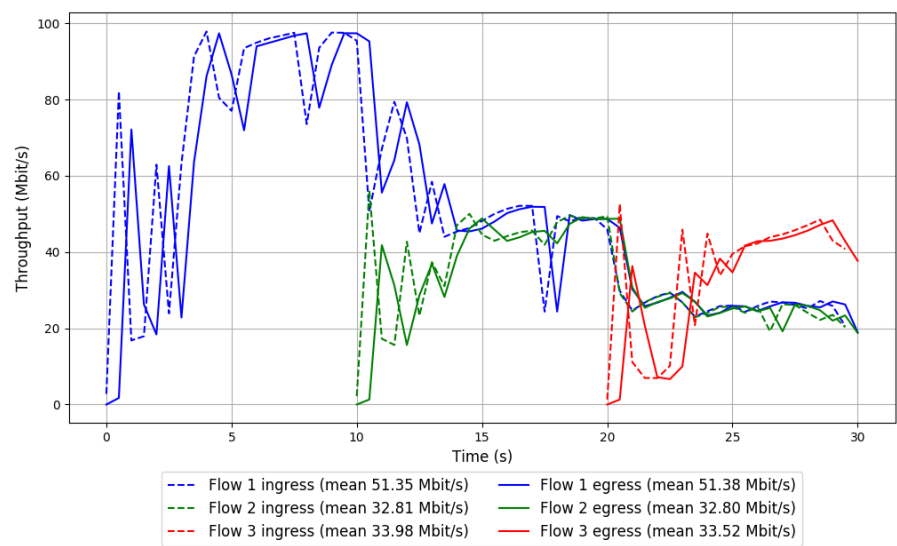


Run 4: Statistics of QUIC Cubic

Start at: 2019-01-03 11:07:18
End at: 2019-01-03 11:07:48
Local clock offset: 0.436 ms
Remote clock offset: -1.634 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 77.405 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 55.059 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.80 Mbit/s
95th percentile per-packet one-way delay: 106.748 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 139.111 ms
Loss rate: 1.98%

Run 4: Report of QUIC Cubic — Data Link

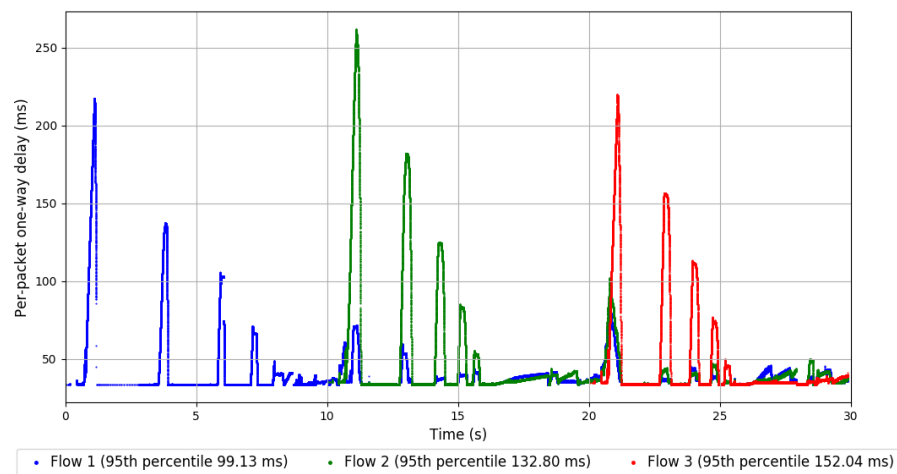
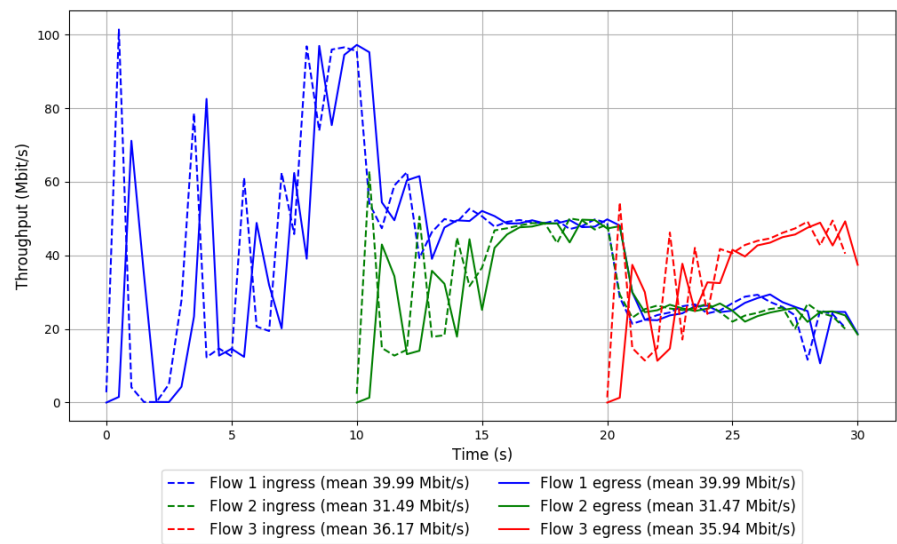


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-03 11:30:45
End at: 2019-01-03 11:31:15
Local clock offset: 0.639 ms
Remote clock offset: -1.578 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 118.738 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 99.128 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 132.799 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 152.045 ms
Loss rate: 1.26%

Run 5: Report of QUIC Cubic — Data Link

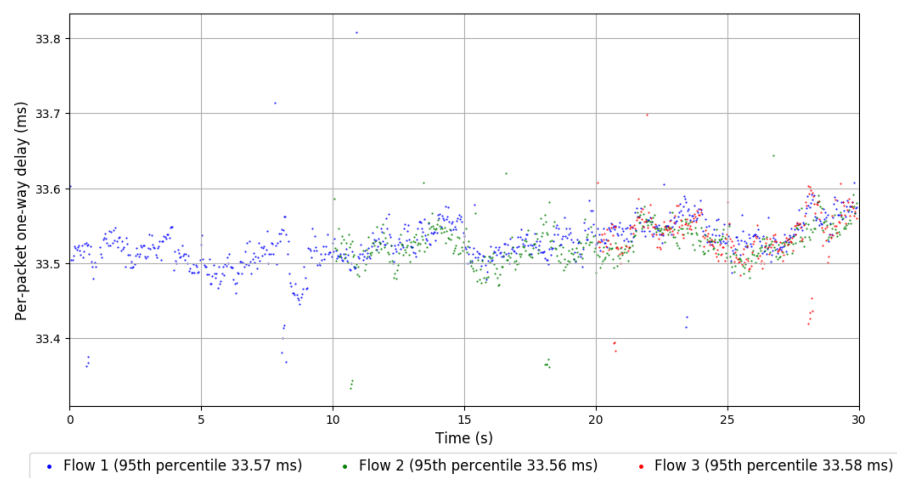
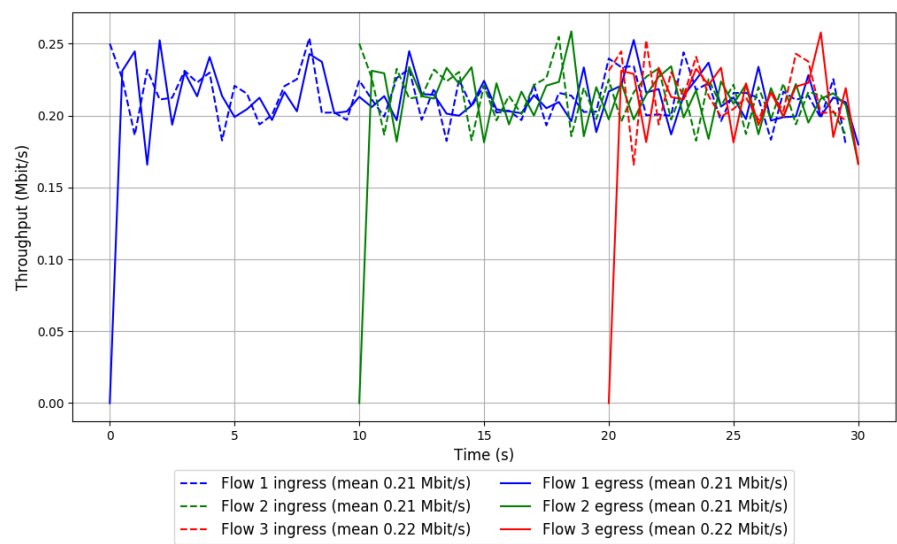


Run 1: Statistics of SReAM

Start at: 2019-01-03 09:55:30
End at: 2019-01-03 09:56:00
Local clock offset: 0.362 ms
Remote clock offset: -4.371 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.575 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.574 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.564 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.582 ms
Loss rate: 0.71%

Run 1: Report of SReAM — Data Link

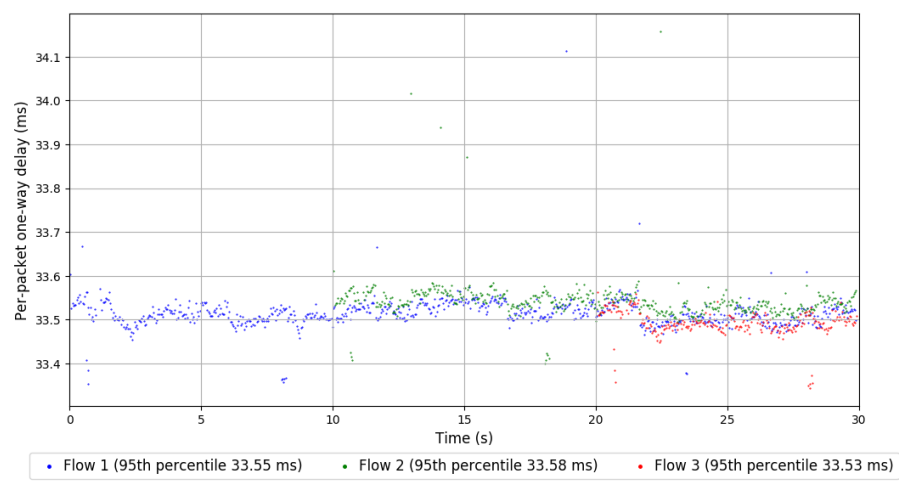
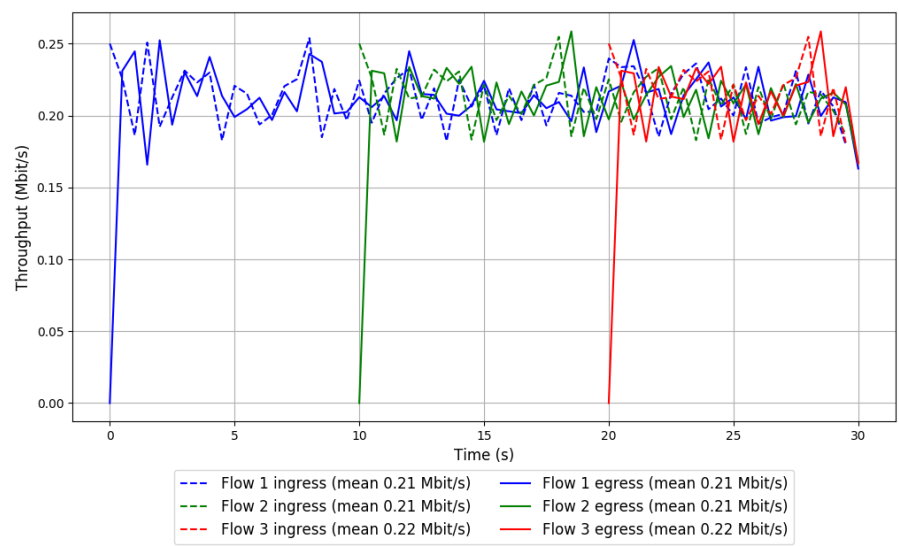


Run 2: Statistics of SReAM

Start at: 2019-01-03 10:19:19
End at: 2019-01-03 10:19:49
Local clock offset: 0.181 ms
Remote clock offset: -3.238 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.565 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.549 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.577 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.535 ms
Loss rate: 0.71%

Run 2: Report of SReAM — Data Link

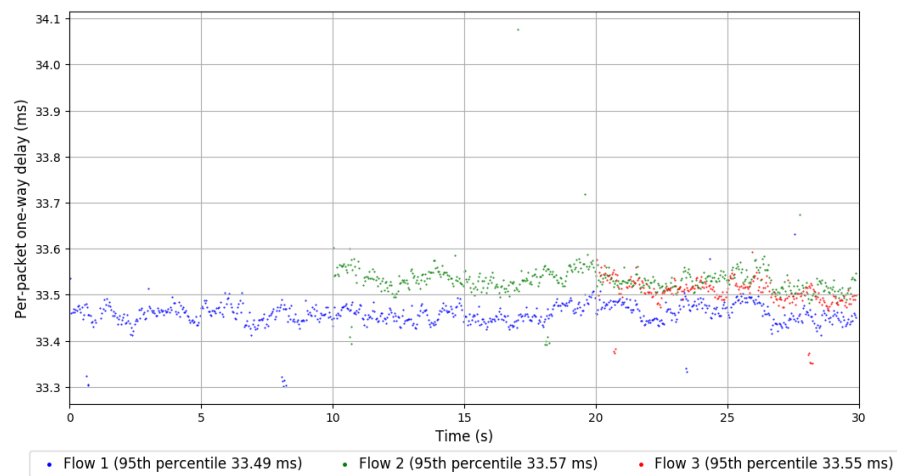
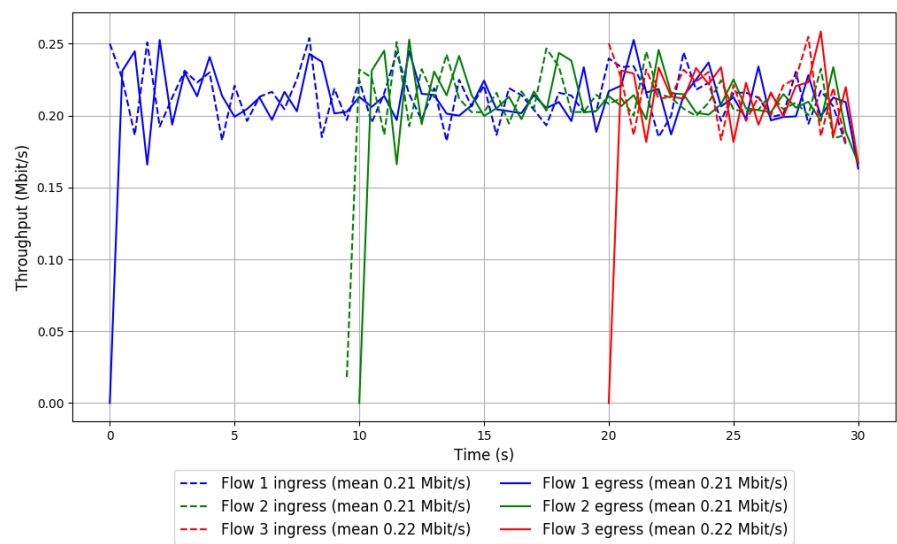


Run 3: Statistics of SReAM

Start at: 2019-01-03 10:42:49
End at: 2019-01-03 10:43:19
Local clock offset: 0.165 ms
Remote clock offset: -2.386 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.556 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.491 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.567 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.545 ms
Loss rate: 0.71%

Run 3: Report of SCReAM — Data Link

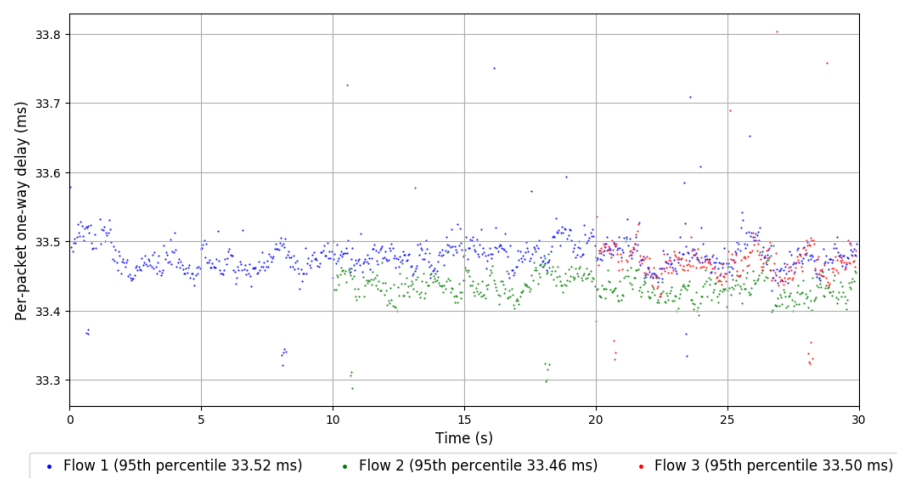
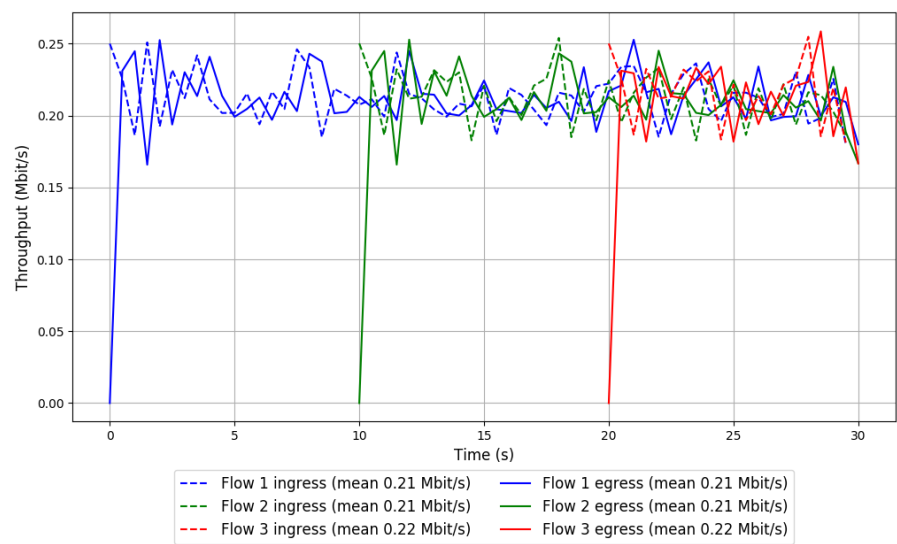


Run 4: Statistics of SReAM

Start at: 2019-01-03 11:06:10
End at: 2019-01-03 11:06:40
Local clock offset: 0.413 ms
Remote clock offset: -1.612 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.509 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.517 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.463 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.501 ms
Loss rate: 0.71%

Run 4: Report of SReAM — Data Link

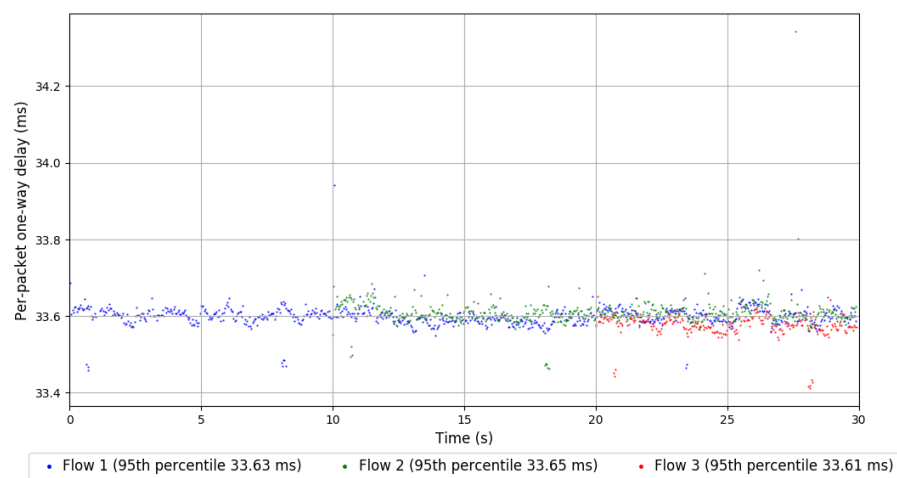
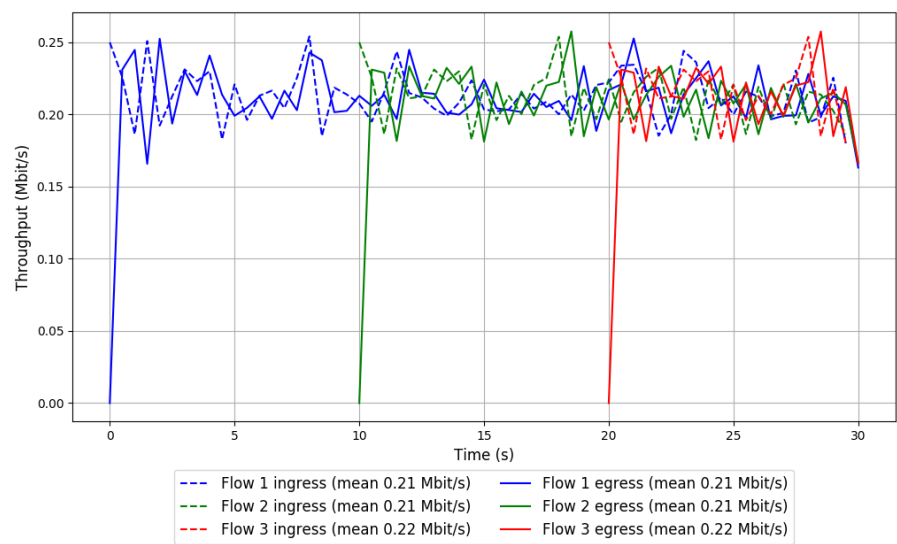


Run 5: Statistics of SCReAM

Start at: 2019-01-03 11:29:37
End at: 2019-01-03 11:30:07
Local clock offset: 0.616 ms
Remote clock offset: -1.578 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.636 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.631 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.648 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.609 ms
Loss rate: 0.71%

Run 5: Report of SReAM — Data Link

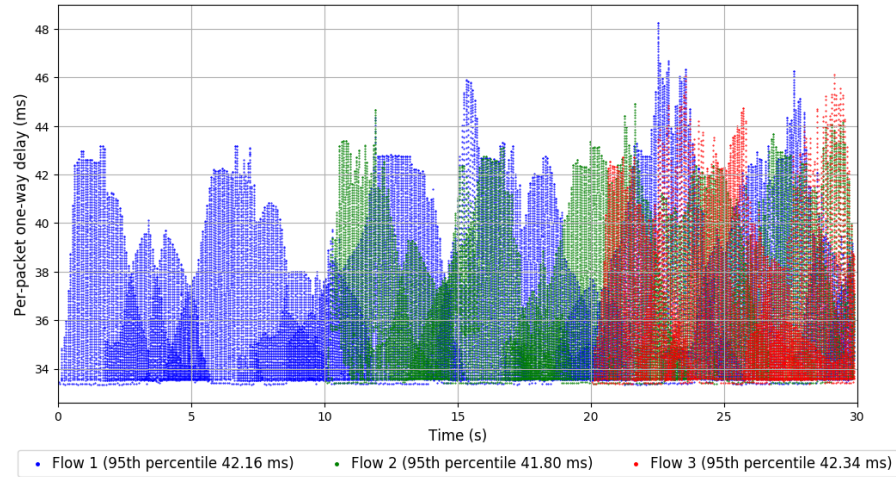
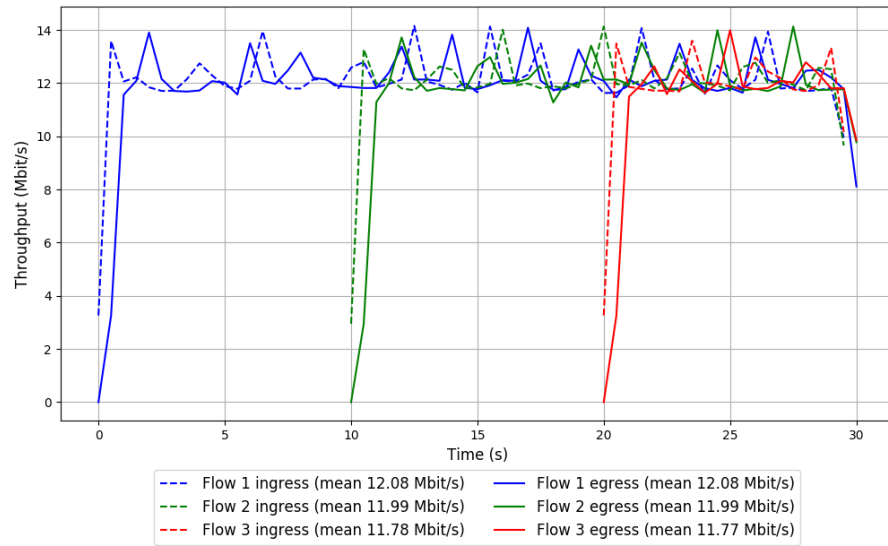


Run 1: Statistics of Sprout

Start at: 2019-01-03 09:43:18
End at: 2019-01-03 09:43:48
Local clock offset: 0.325 ms
Remote clock offset: -4.869 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 42.060 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 42.155 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 41.796 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 42.335 ms
Loss rate: 0.84%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-01-03 10:06:49

End at: 2019-01-03 10:07:19

Local clock offset: 0.215 ms

Remote clock offset: -3.77 ms

Below is generated by plot.py at 2019-01-03 11:47:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 41.318 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 40.530 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 11.89 Mbit/s

95th percentile per-packet one-way delay: 41.735 ms

Loss rate: 0.41%

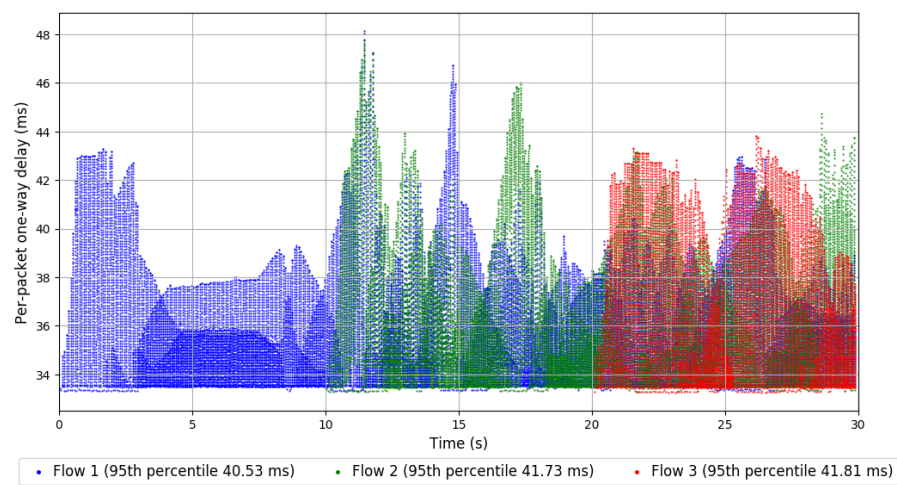
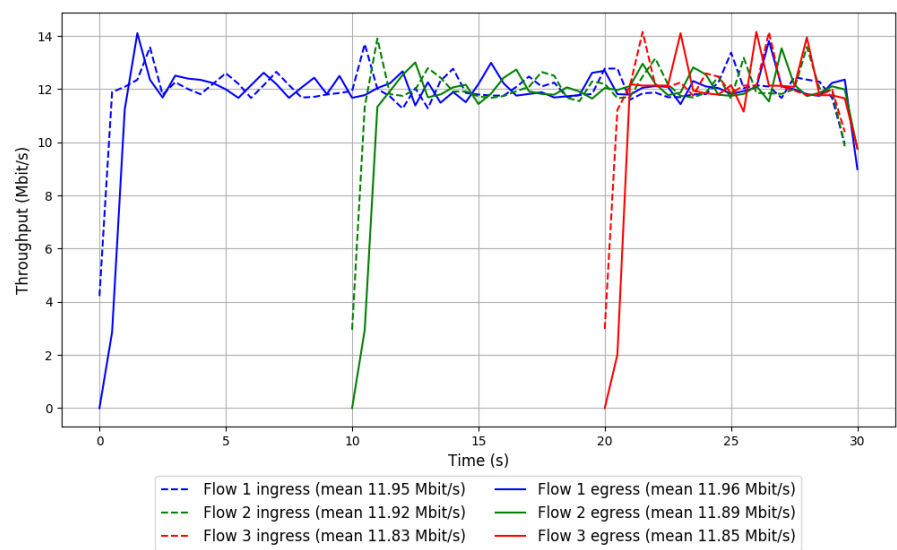
-- Flow 3:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 41.812 ms

Loss rate: 0.41%

Run 2: Report of Sprout — Data Link

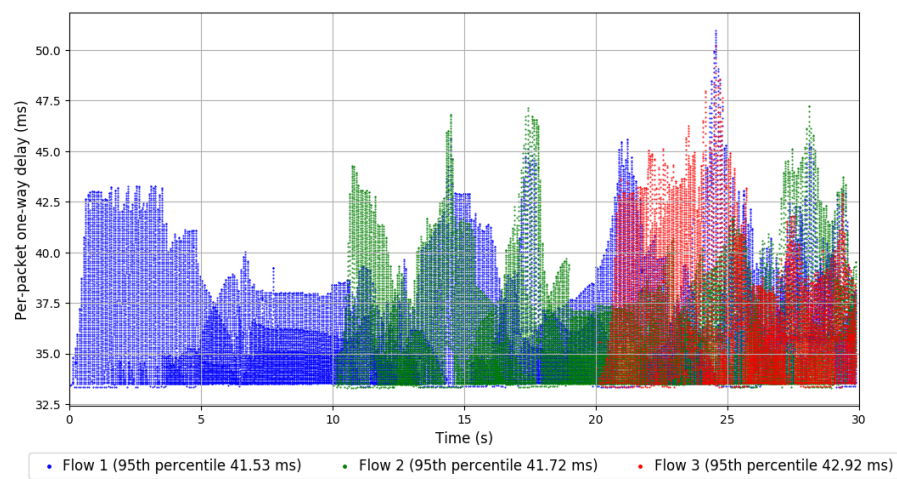
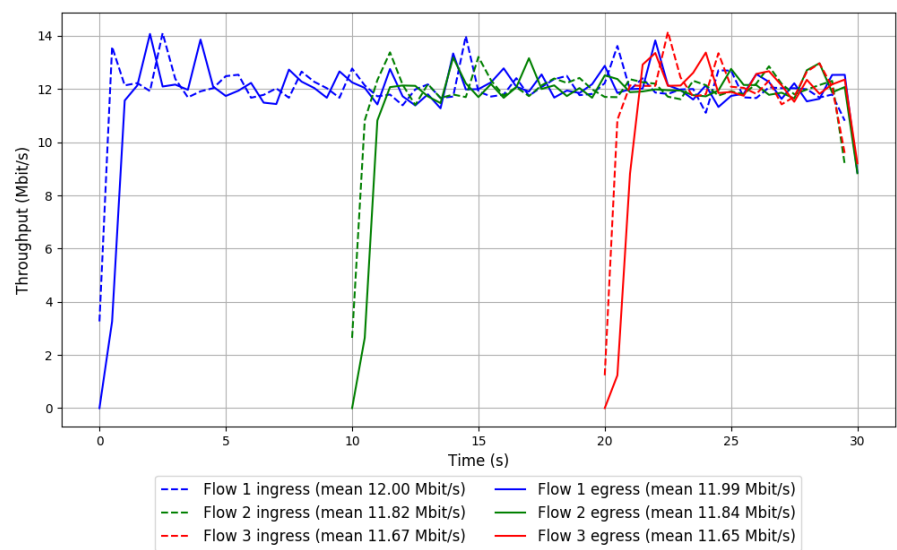


Run 3: Statistics of Sprout

Start at: 2019-01-03 10:30:42
End at: 2019-01-03 10:31:12
Local clock offset: 0.174 ms
Remote clock offset: -2.742 ms

Below is generated by plot.py at 2019-01-03 11:47:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 41.934 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 41.530 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 41.720 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 42.920 ms
Loss rate: 0.75%

Run 3: Report of Sprout — Data Link

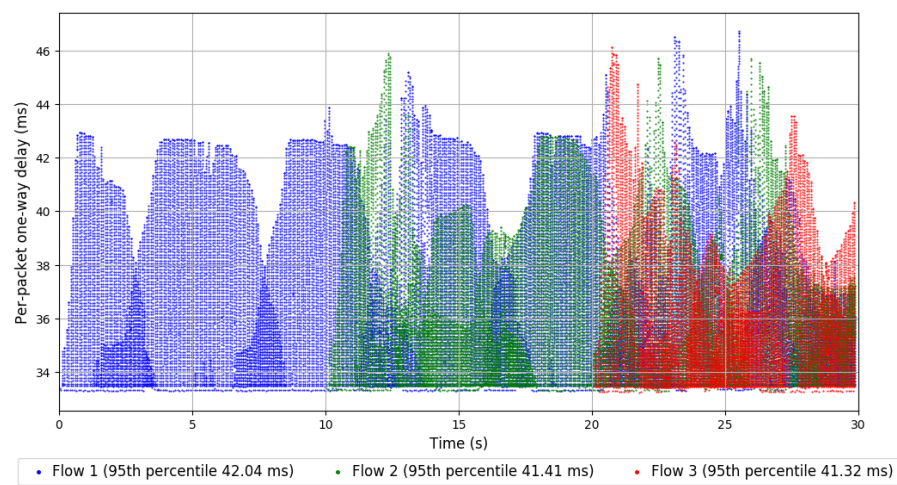
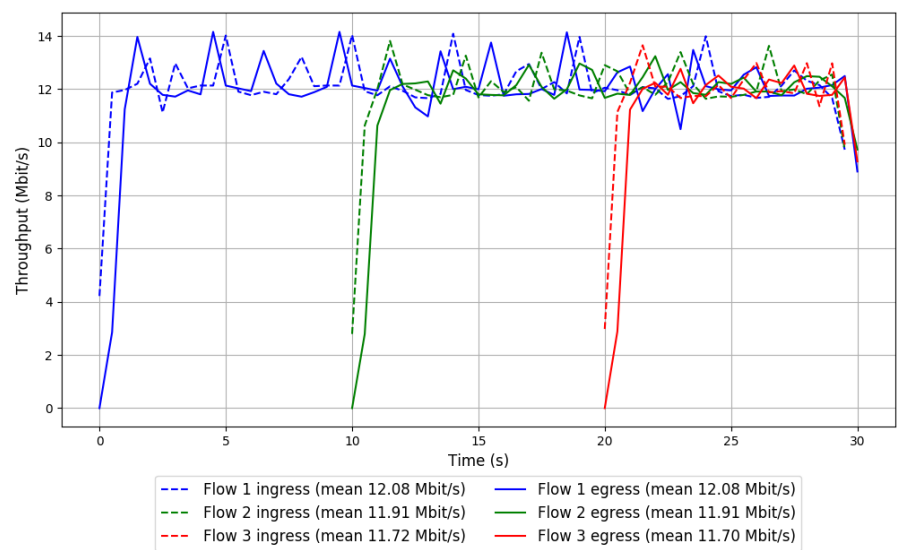


Run 4: Statistics of Sprout

Start at: 2019-01-03 10:53:52
End at: 2019-01-03 10:54:22
Local clock offset: 0.17 ms
Remote clock offset: -2.004 ms

```
# Below is generated by plot.py at 2019-01-03 11:47:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 41.822 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 42.037 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 41.415 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 41.320 ms
Loss rate: 0.86%
```

Run 4: Report of Sprout — Data Link

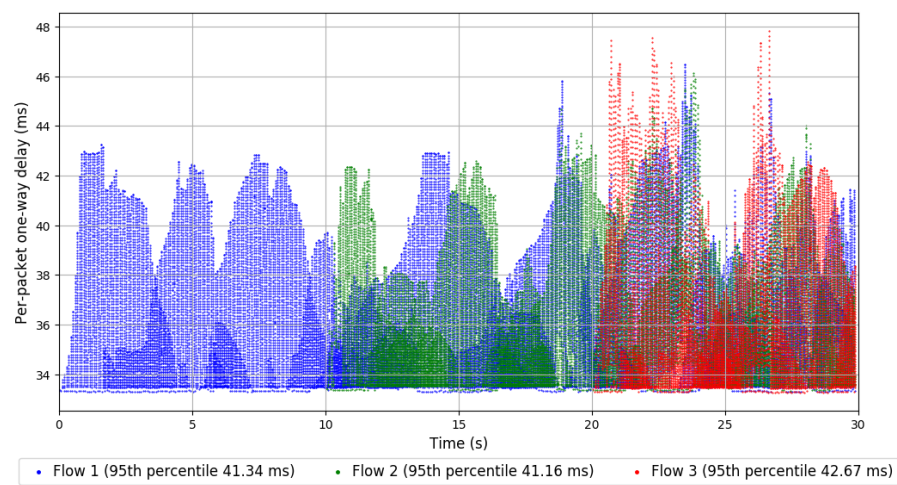
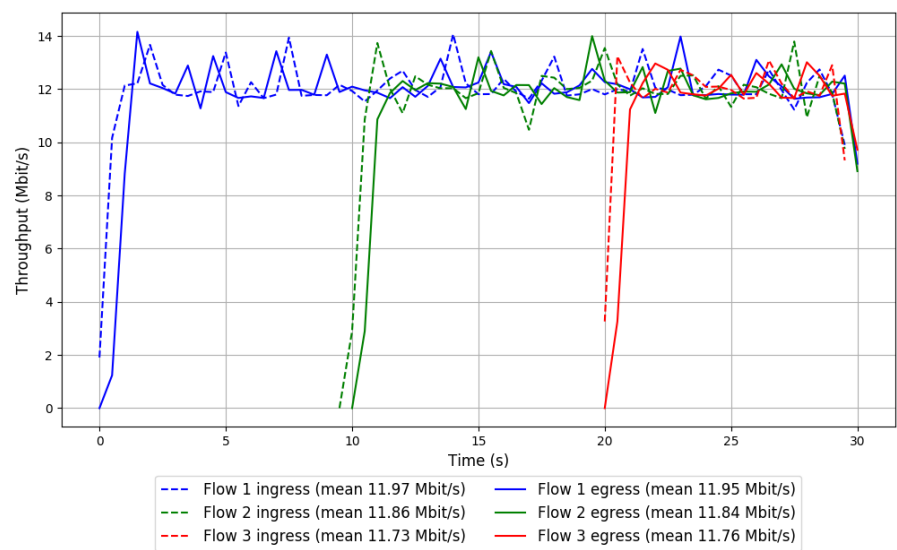


Run 5: Statistics of Sprout

Start at: 2019-01-03 11:17:24
End at: 2019-01-03 11:17:54
Local clock offset: 0.53 ms
Remote clock offset: -1.503 ms

```
# Below is generated by plot.py at 2019-01-03 11:47:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 41.479 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 41.340 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 41.159 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 42.666 ms
Loss rate: 0.29%
```

Run 5: Report of Sprout — Data Link

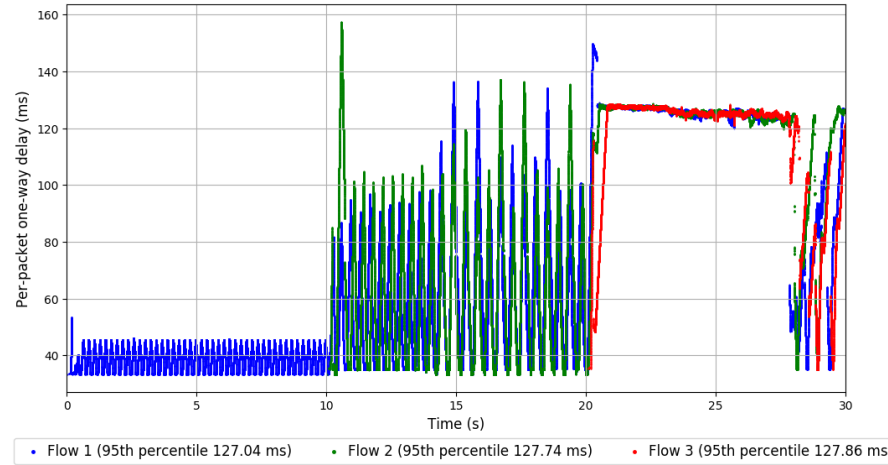
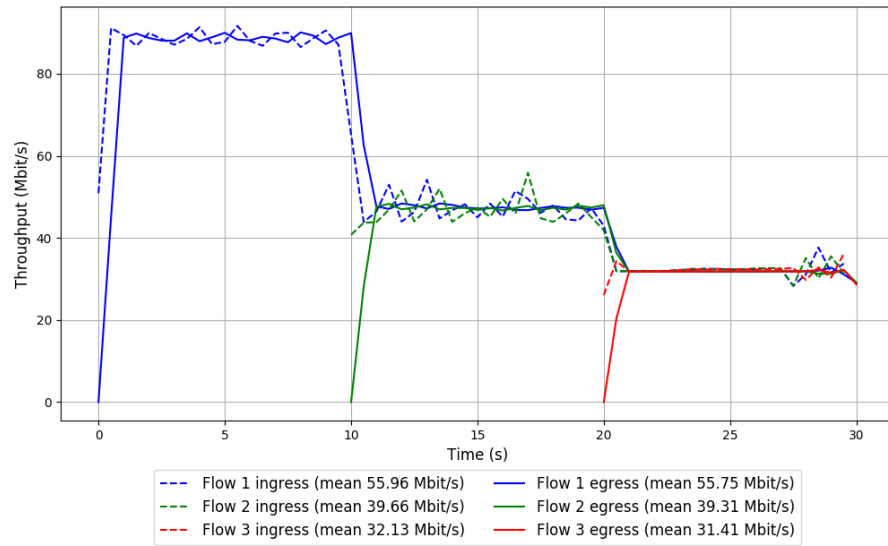


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-01-03 09:38:24
End at: 2019-01-03 09:38:54
Local clock offset: 0.291 ms
Remote clock offset: -4.955 ms

# Below is generated by plot.py at 2019-01-03 11:48:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 127.582 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 127.036 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 127.741 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 127.857 ms
Loss rate: 2.88%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-03 10:01:46

End at: 2019-01-03 10:02:16

Local clock offset: 0.266 ms

Remote clock offset: -4.04 ms

Below is generated by plot.py at 2019-01-03 11:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 114.429 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 53.32 Mbit/s

95th percentile per-packet one-way delay: 109.722 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 46.43 Mbit/s

95th percentile per-packet one-way delay: 106.773 ms

Loss rate: 0.67%

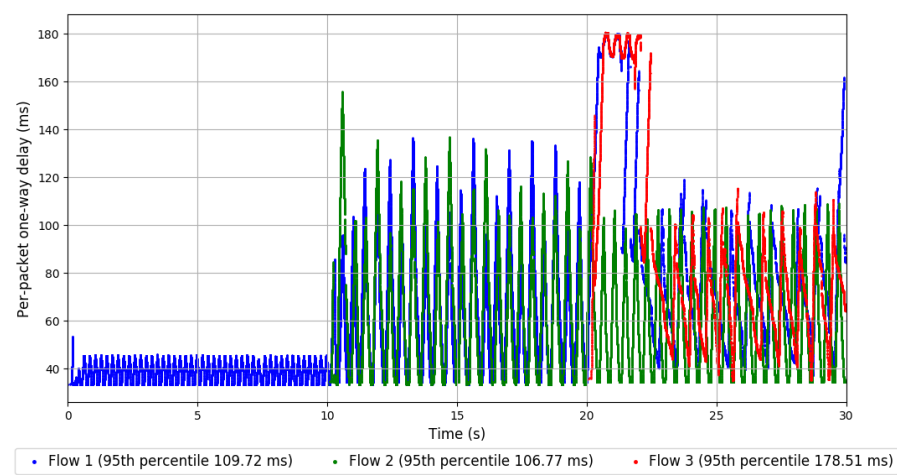
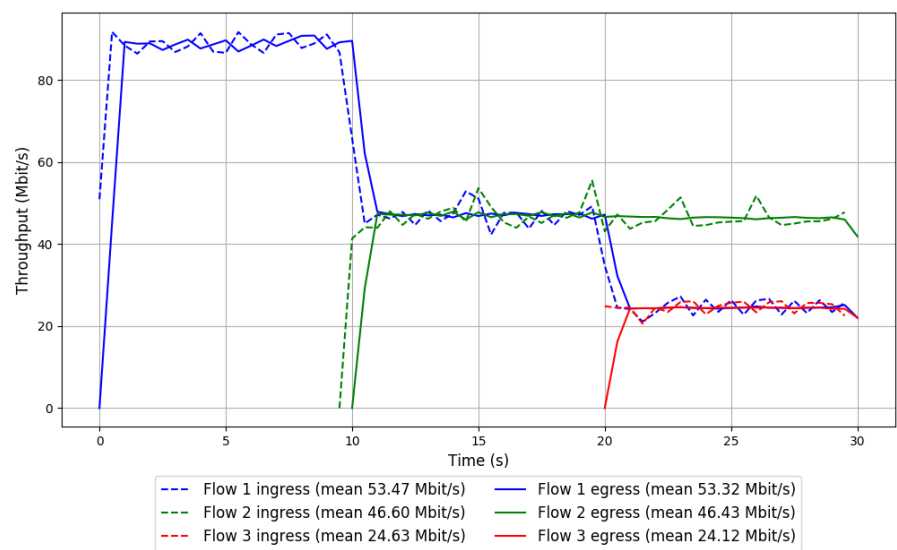
-- Flow 3:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 178.510 ms

Loss rate: 2.71%

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

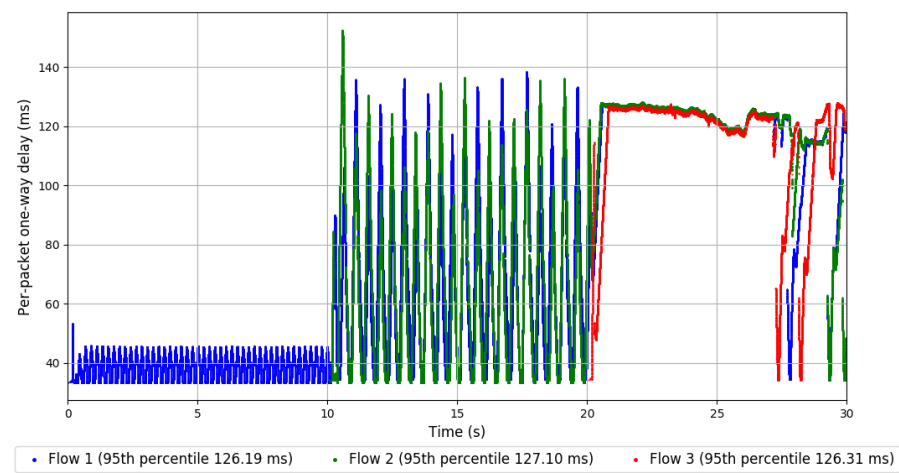
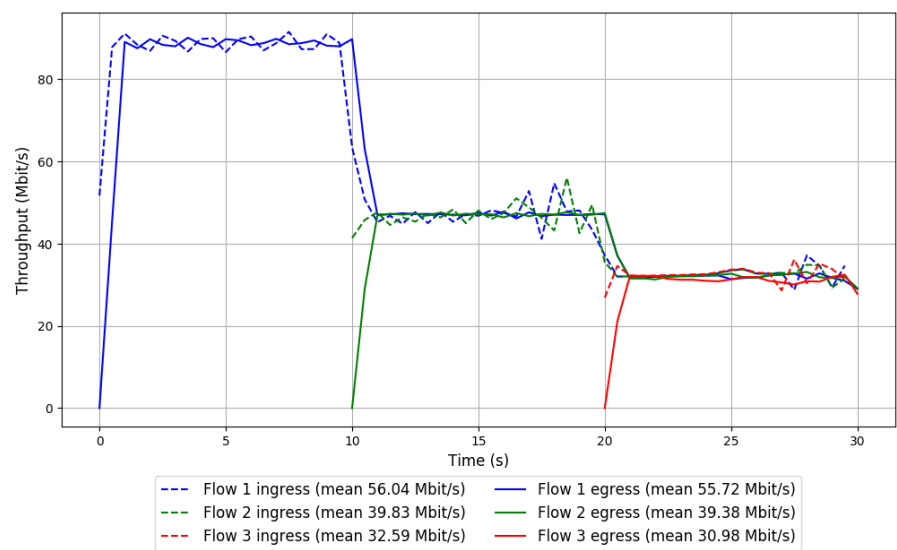


Run 3: Statistics of TaoVA-100x

Start at: 2019-01-03 10:25:33
End at: 2019-01-03 10:26:03
Local clock offset: 0.171 ms
Remote clock offset: -2.951 ms

Below is generated by plot.py at 2019-01-03 11:48:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 126.655 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 126.189 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 127.101 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 126.313 ms
Loss rate: 5.54%

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

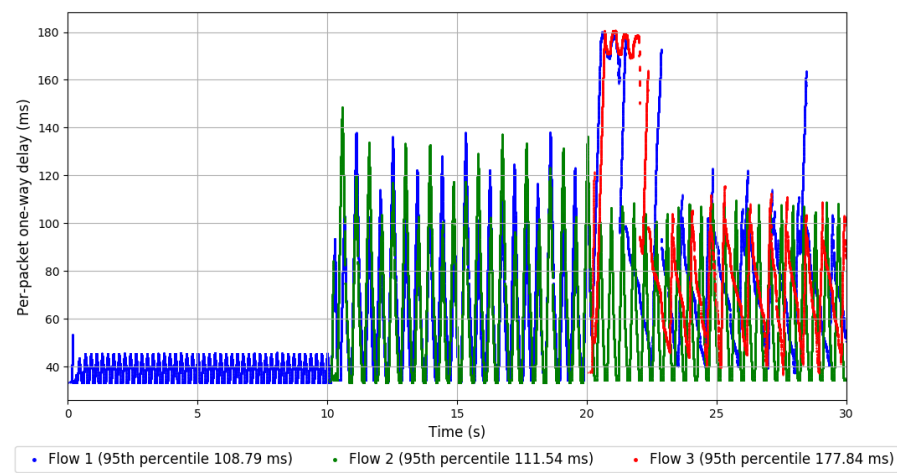
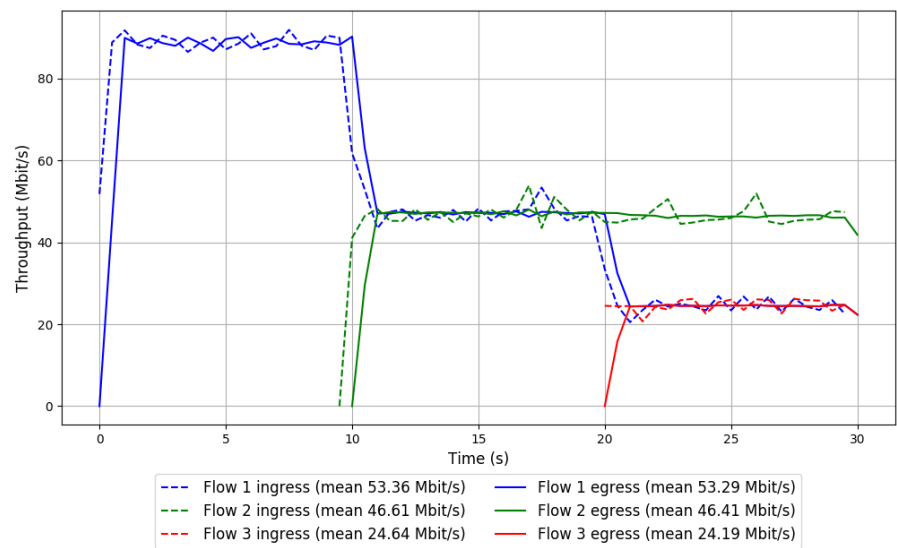


Run 4: Statistics of TaoVA-100x

Start at: 2019-01-03 10:48:56
End at: 2019-01-03 10:49:26
Local clock offset: 0.165 ms
Remote clock offset: -2.184 ms

Below is generated by plot.py at 2019-01-03 11:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 115.410 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 108.790 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 111.538 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 177.836 ms
Loss rate: 2.49%

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

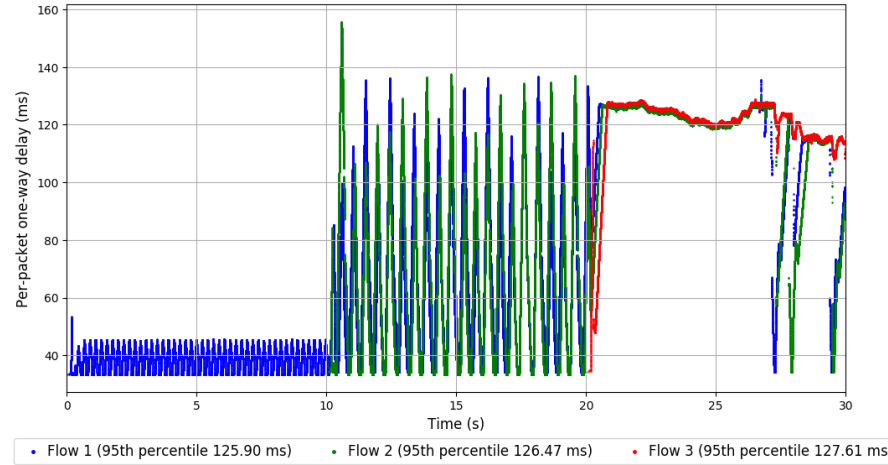
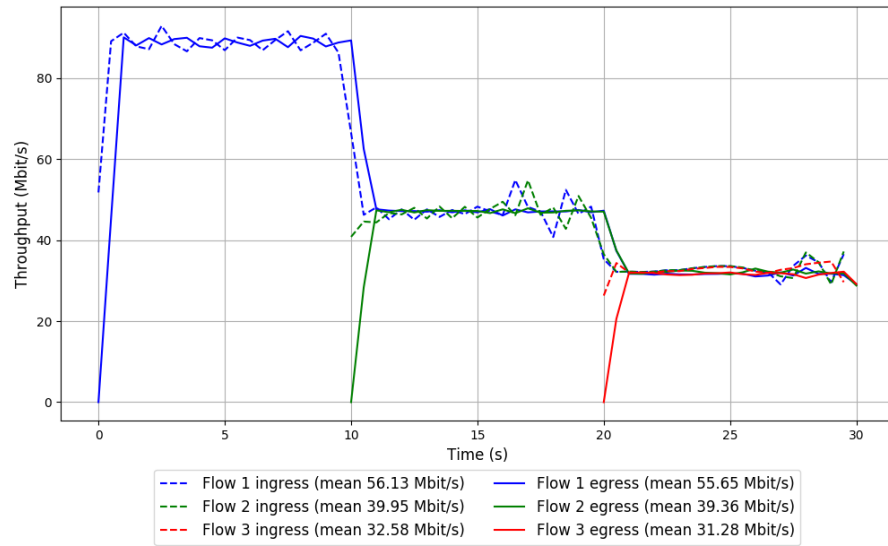


Run 5: Statistics of TaoVA-100x

Start at: 2019-01-03 11:12:26
End at: 2019-01-03 11:12:56
Local clock offset: 0.485 ms
Remote clock offset: -1.574 ms

Below is generated by plot.py at 2019-01-03 11:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 126.546 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 125.902 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 126.472 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 127.615 ms
Loss rate: 4.59%

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

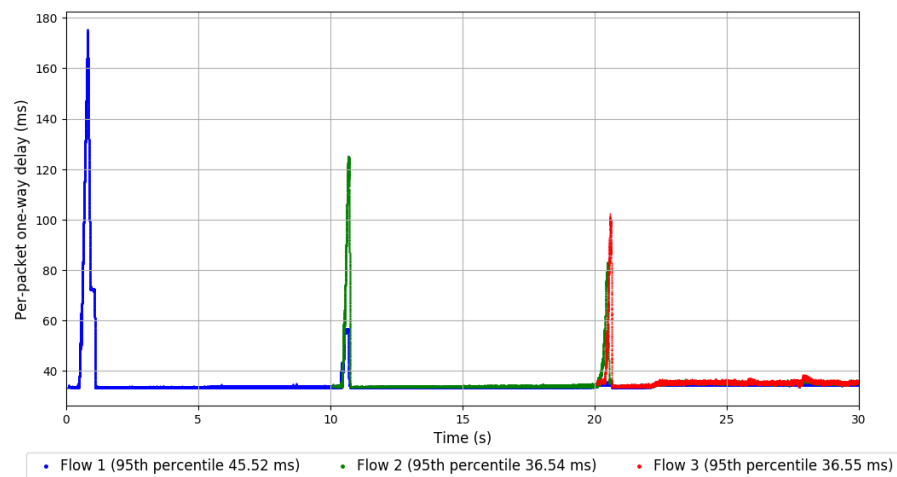
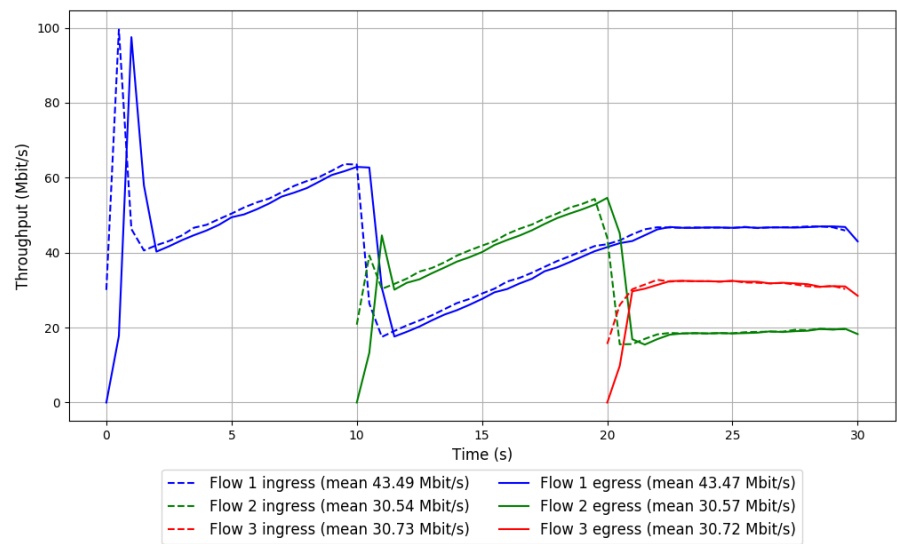


Run 1: Statistics of TCP Vegas

Start at: 2019-01-03 09:45:43
End at: 2019-01-03 09:46:13
Local clock offset: 0.336 ms
Remote clock offset: -4.798 ms

Below is generated by plot.py at 2019-01-03 11:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 37.502 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 45.523 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 36.542 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 36.550 ms
Loss rate: 0.68%

Run 1: Report of TCP Vegas — Data Link

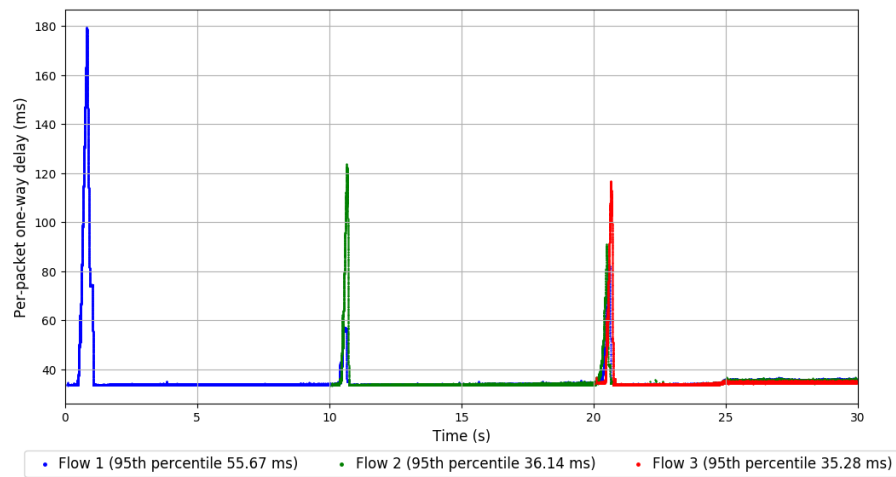
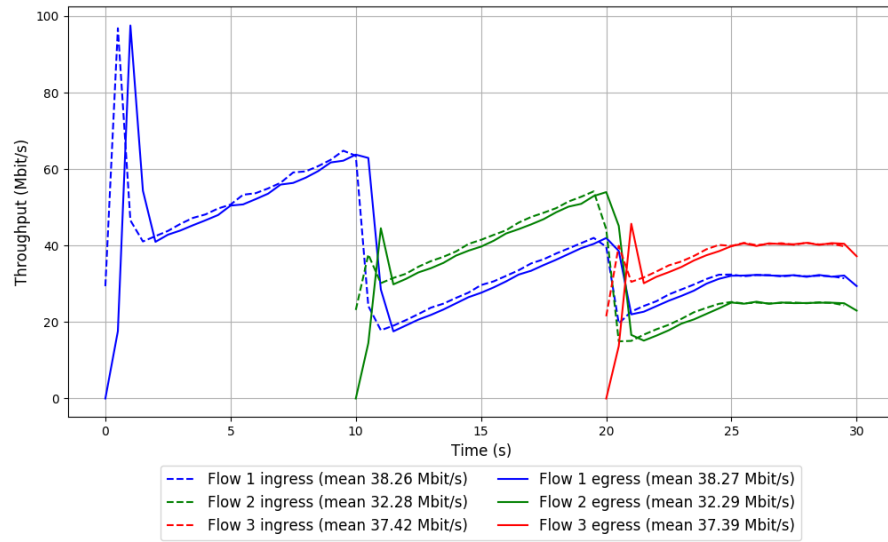


Run 2: Statistics of TCP Vegas

Start at: 2019-01-03 10:09:19
End at: 2019-01-03 10:09:49
Local clock offset: 0.193 ms
Remote clock offset: -3.689 ms

Below is generated by plot.py at 2019-01-03 11:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 42.086 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 55.672 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 36.144 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 35.285 ms
Loss rate: 0.73%

Run 2: Report of TCP Vegas — Data Link

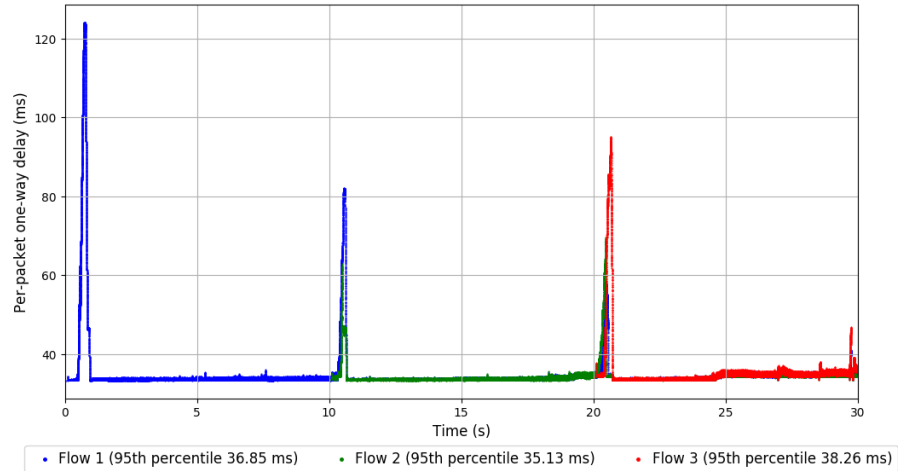
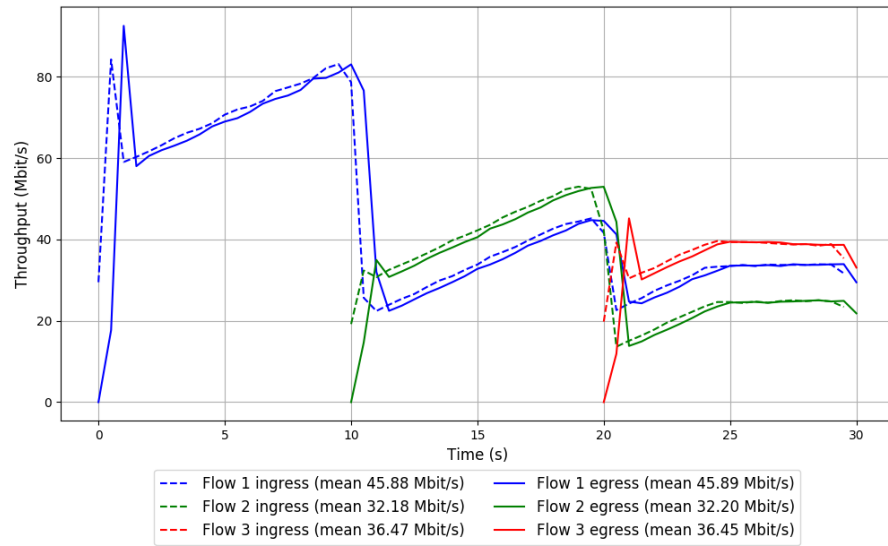


Run 3: Statistics of TCP Vegas

Start at: 2019-01-03 10:33:07
End at: 2019-01-03 10:33:37
Local clock offset: 0.158 ms
Remote clock offset: -2.669 ms

Below is generated by plot.py at 2019-01-03 11:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 36.505 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 36.851 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 35.131 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 38.258 ms
Loss rate: 0.71%

Run 3: Report of TCP Vegas — Data Link

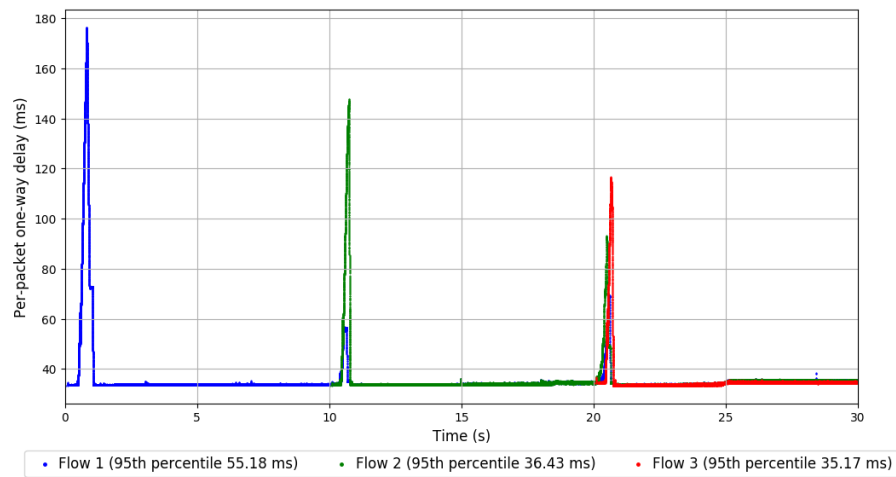
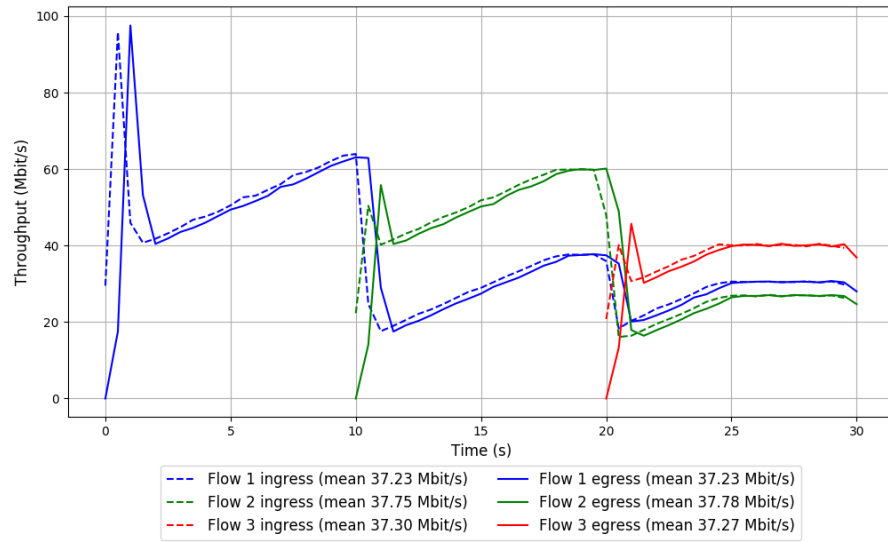


Run 4: Statistics of TCP Vegas

Start at: 2019-01-03 10:56:18
End at: 2019-01-03 10:56:48
Local clock offset: 0.237 ms
Remote clock offset: -1.965 ms

Below is generated by plot.py at 2019-01-03 11:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 42.313 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 55.184 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 36.428 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 35.171 ms
Loss rate: 0.71%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-01-03 11:19:51

End at: 2019-01-03 11:20:21

Local clock offset: 0.536 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2019-01-03 11:49:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 36.176 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 43.31 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 36.166 ms

Loss rate: 0.23%

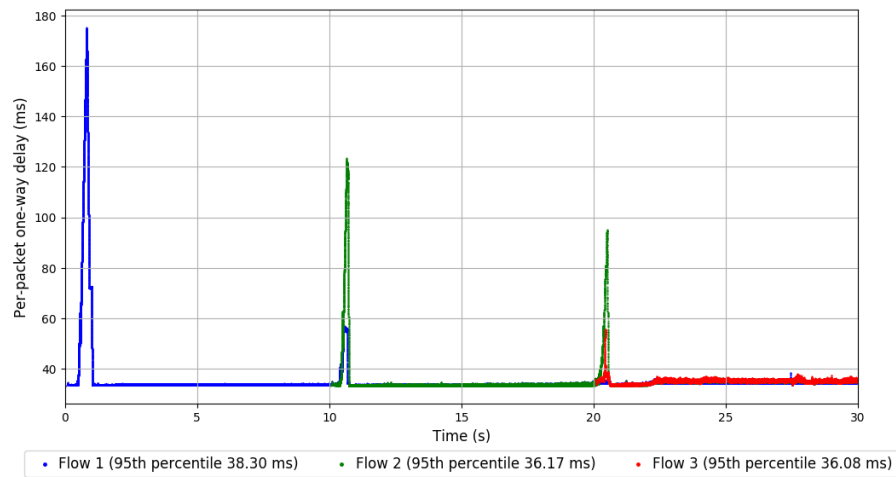
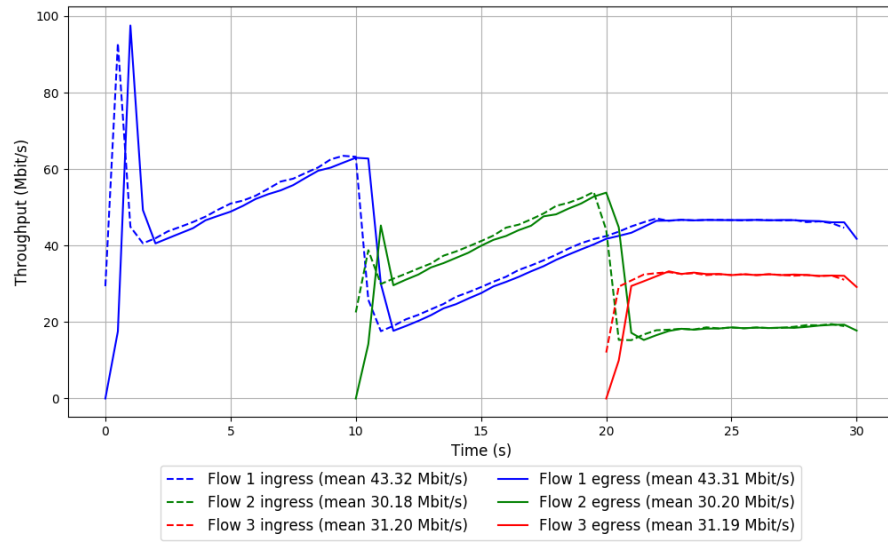
-- Flow 3:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 36.078 ms

Loss rate: 0.67%

Run 5: Report of TCP Vegas — Data Link

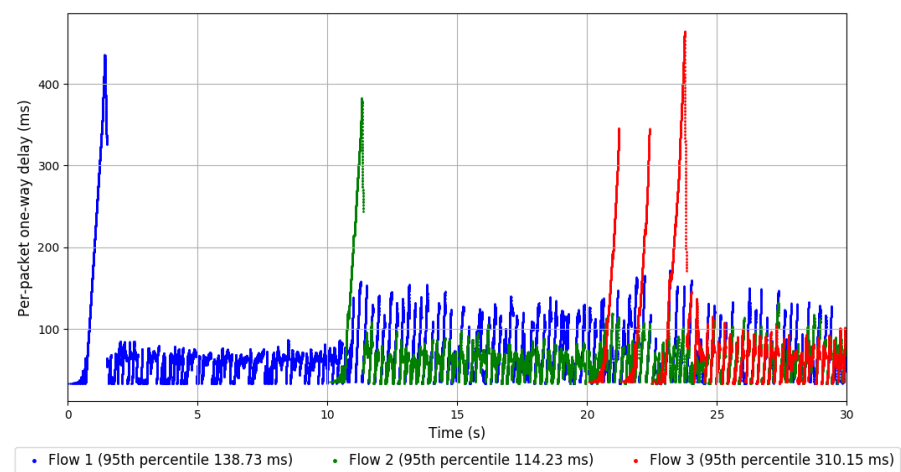
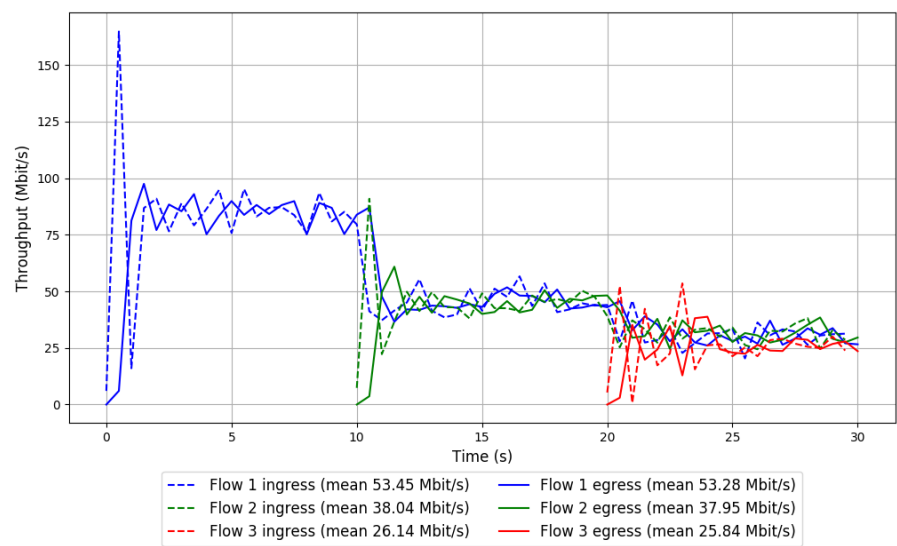


Run 1: Statistics of Verus

Start at: 2019-01-03 09:59:10
End at: 2019-01-03 09:59:40
Local clock offset: 0.284 ms
Remote clock offset: -4.166 ms

Below is generated by plot.py at 2019-01-03 11:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 167.464 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 138.731 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 114.232 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 310.147 ms
Loss rate: 1.55%

Run 1: Report of Verus — Data Link

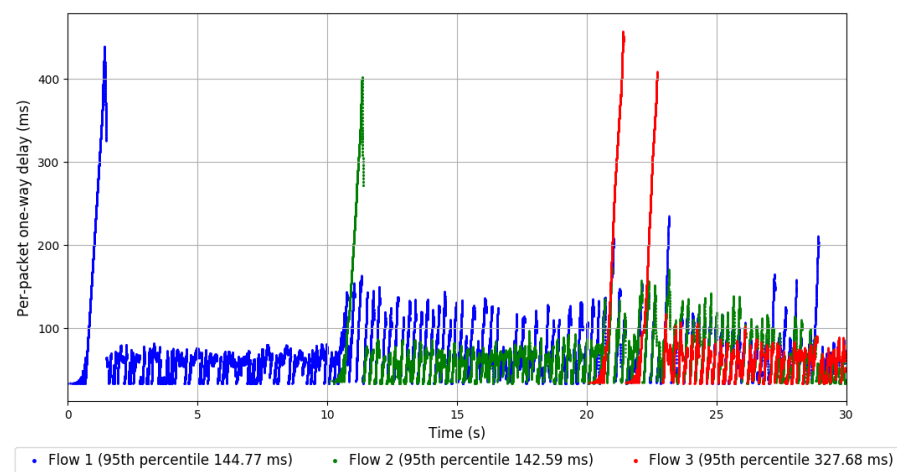
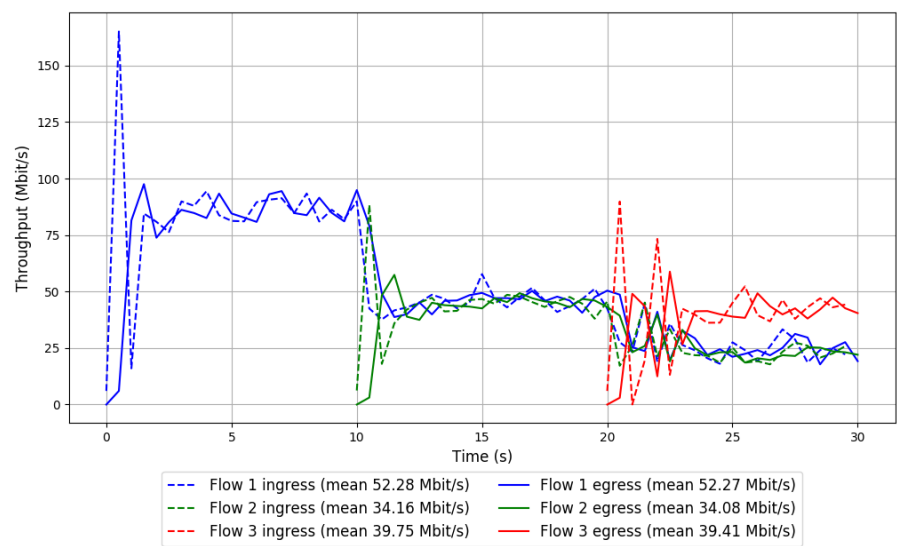


Run 2: Statistics of Verus

Start at: 2019-01-03 10:22:57
End at: 2019-01-03 10:23:27
Local clock offset: 0.177 ms
Remote clock offset: -3.045 ms

Below is generated by plot.py at 2019-01-03 11:49:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 169.334 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 52.27 Mbit/s
95th percentile per-packet one-way delay: 144.774 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 142.587 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 327.675 ms
Loss rate: 1.62%

Run 2: Report of Verus — Data Link

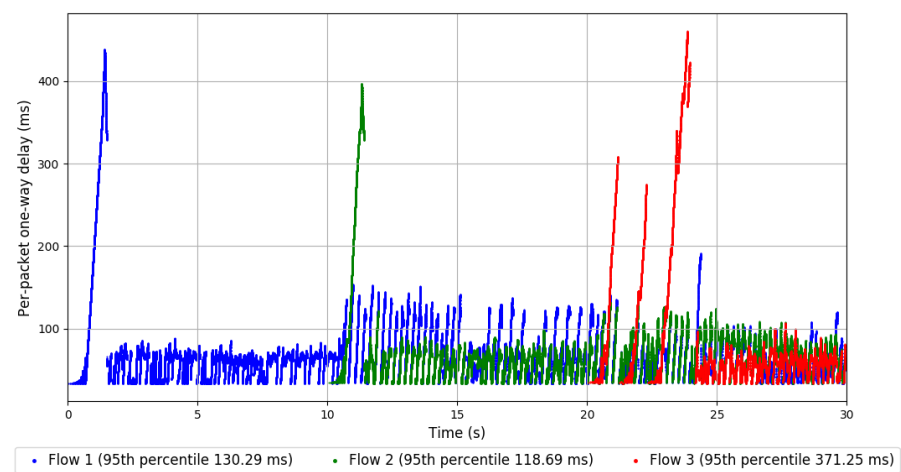
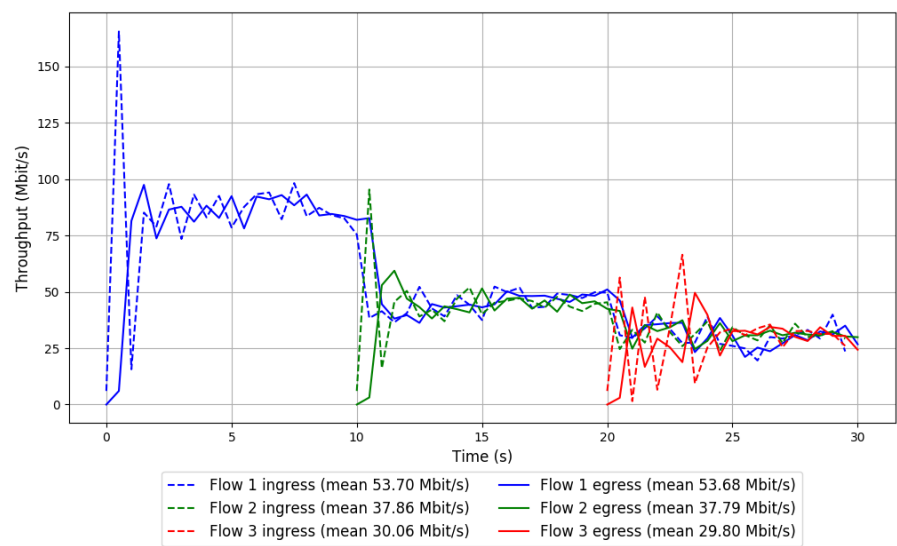


Run 3: Statistics of Verus

Start at: 2019-01-03 10:46:24
End at: 2019-01-03 10:46:54
Local clock offset: 0.159 ms
Remote clock offset: -2.461 ms

Below is generated by plot.py at 2019-01-03 11:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 185.115 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 130.295 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 118.690 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 371.247 ms
Loss rate: 1.50%

Run 3: Report of Verus — Data Link

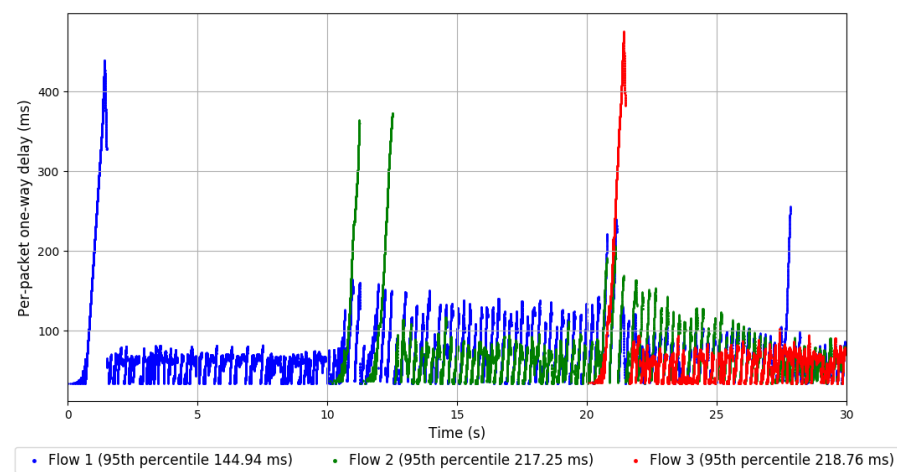
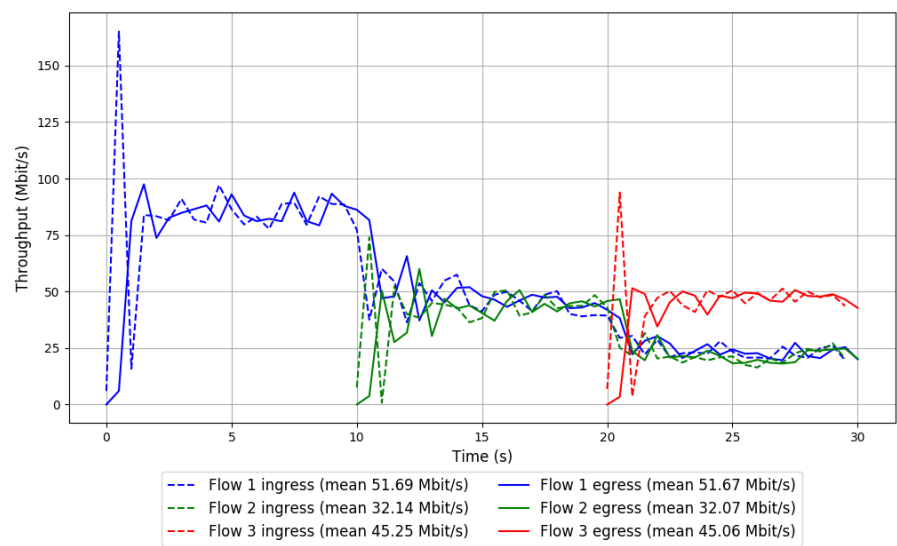


Run 4: Statistics of Verus

Start at: 2019-01-03 11:09:47
End at: 2019-01-03 11:10:17
Local clock offset: 0.456 ms
Remote clock offset: -1.771 ms

Below is generated by plot.py at 2019-01-03 11:49:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 163.819 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 144.935 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 217.246 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 218.763 ms
Loss rate: 1.06%

Run 4: Report of Verus — Data Link

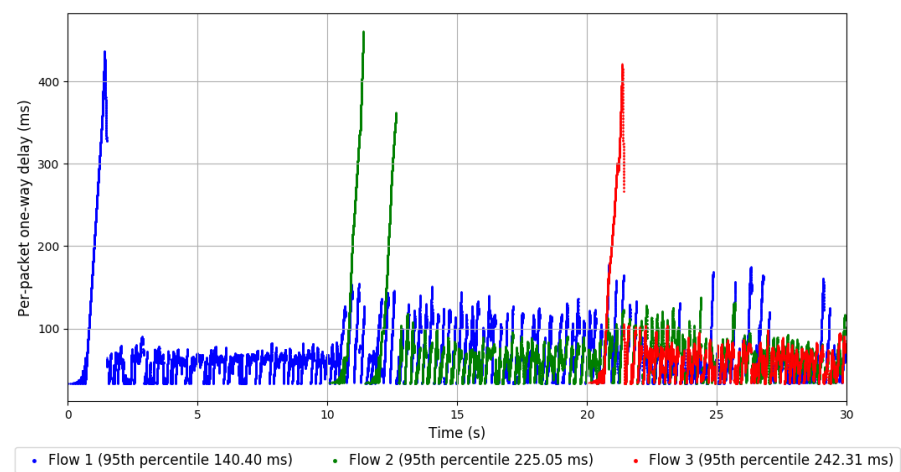
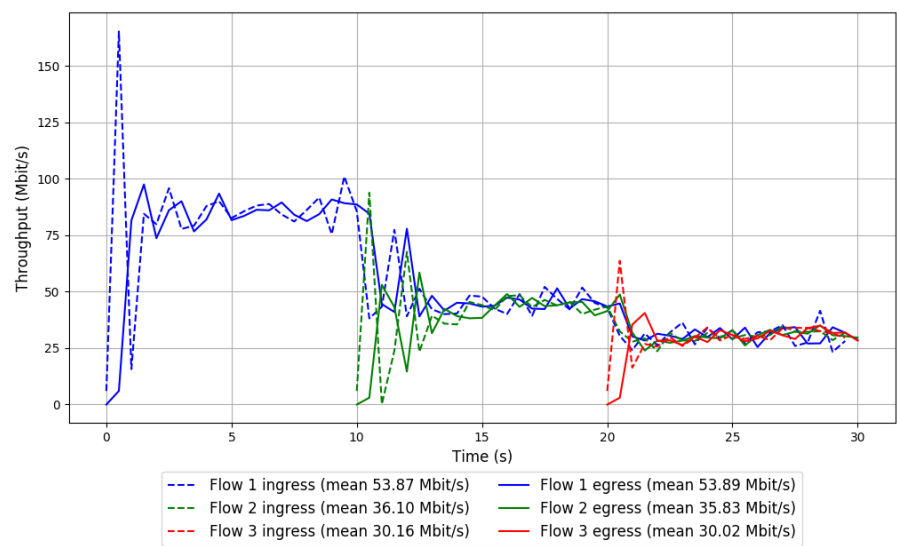


Run 5: Statistics of Verus

Start at: 2019-01-03 11:33:12
End at: 2019-01-03 11:33:42
Local clock offset: 0.647 ms
Remote clock offset: -1.386 ms

Below is generated by plot.py at 2019-01-03 11:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 161.628 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 140.395 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 225.053 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 242.307 ms
Loss rate: 1.10%

Run 5: Report of Verus — Data Link

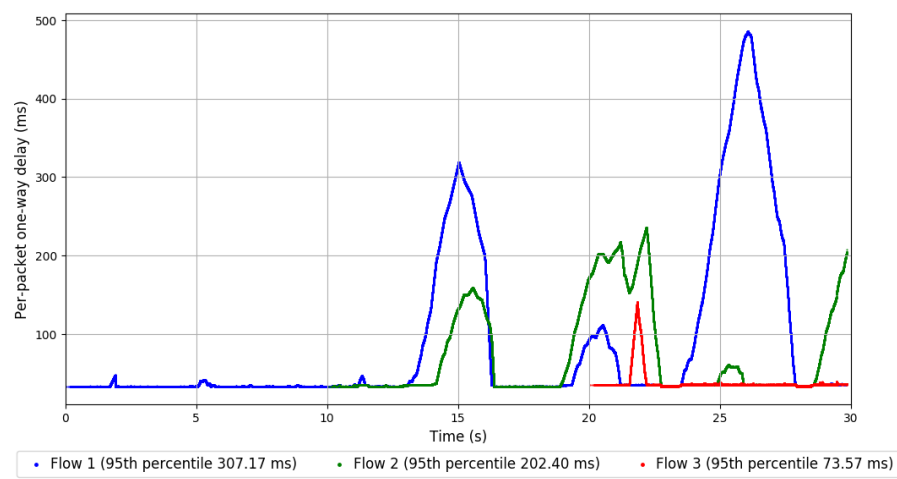
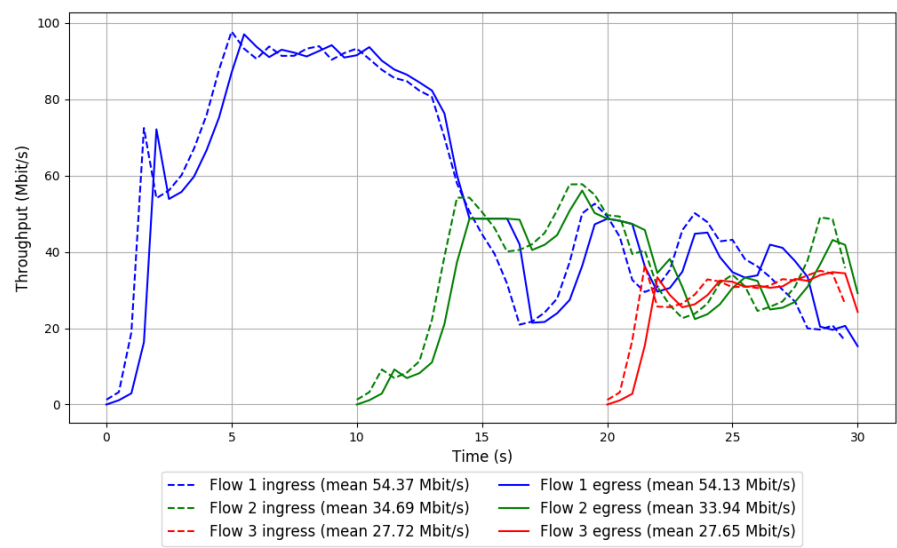


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-03 09:48:11
End at: 2019-01-03 09:48:41
Local clock offset: 0.356 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2019-01-03 11:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 265.639 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 307.166 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 202.402 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 73.574 ms
Loss rate: 0.89%

Run 1: Report of PCC-Vivace — Data Link

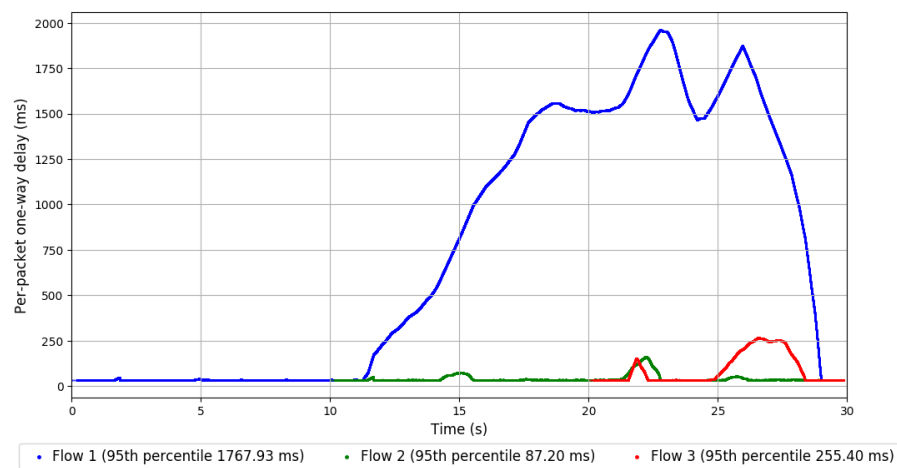
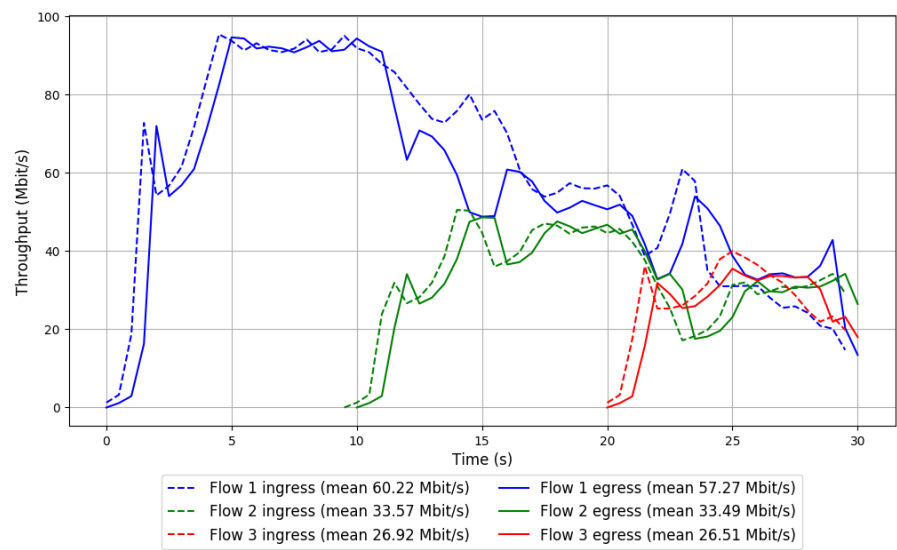


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-03 10:11:48
End at: 2019-01-03 10:12:18
Local clock offset: 0.19 ms
Remote clock offset: -3.571 ms

Below is generated by plot.py at 2019-01-03 11:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 1649.637 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 1767.929 ms
Loss rate: 5.10%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 87.201 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 26.51 Mbit/s
95th percentile per-packet one-way delay: 255.400 ms
Loss rate: 2.17%

Run 2: Report of PCC-Vivace — Data Link

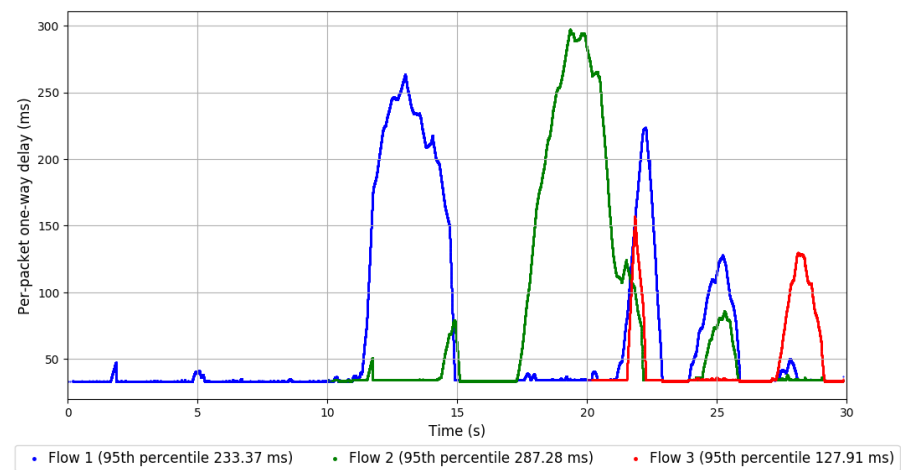
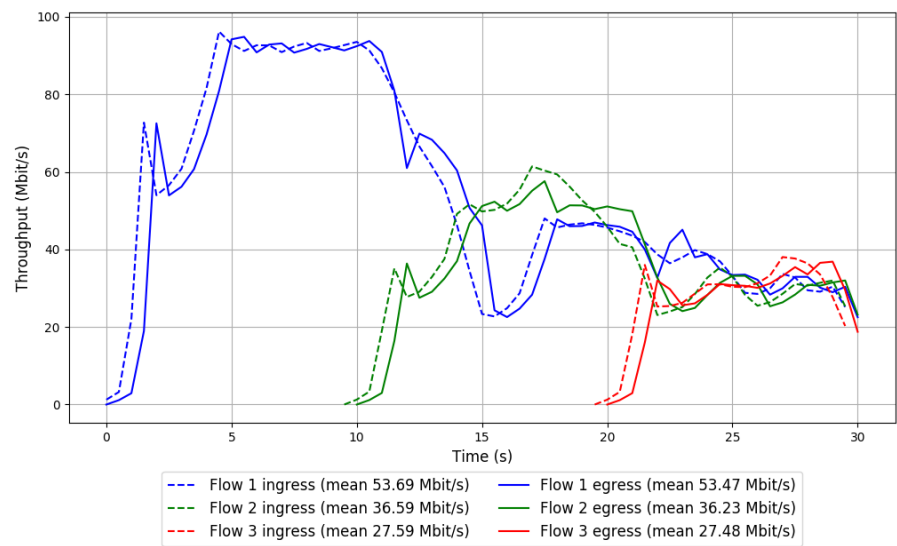


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-03 10:35:33
End at: 2019-01-03 10:36:03
Local clock offset: 0.168 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2019-01-03 11:50:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 245.258 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 233.365 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 287.276 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 127.910 ms
Loss rate: 1.03%

Run 3: Report of PCC-Vivace — Data Link

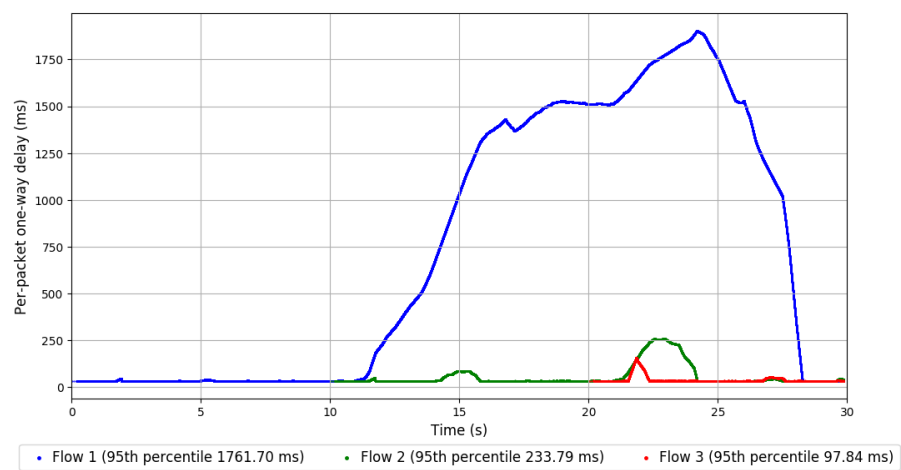
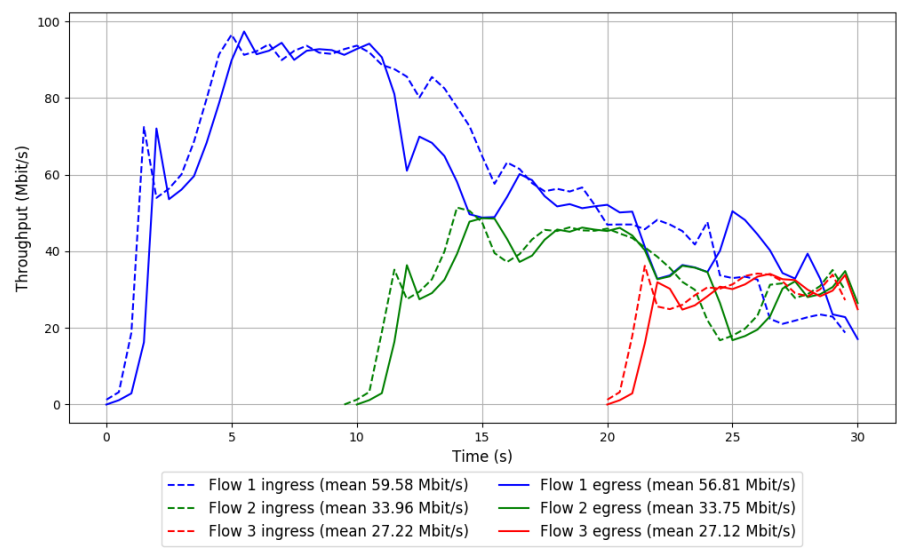


Run 4: Statistics of PCC-Vivace

Start at: 2019-01-03 10:58:45
End at: 2019-01-03 10:59:15
Local clock offset: 0.295 ms
Remote clock offset: -1.872 ms

Below is generated by plot.py at 2019-01-03 11:50:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 1650.257 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 1761.705 ms
Loss rate: 4.85%
-- Flow 2:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 233.795 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 97.838 ms
Loss rate: 1.03%

Run 4: Report of PCC-Vivace — Data Link

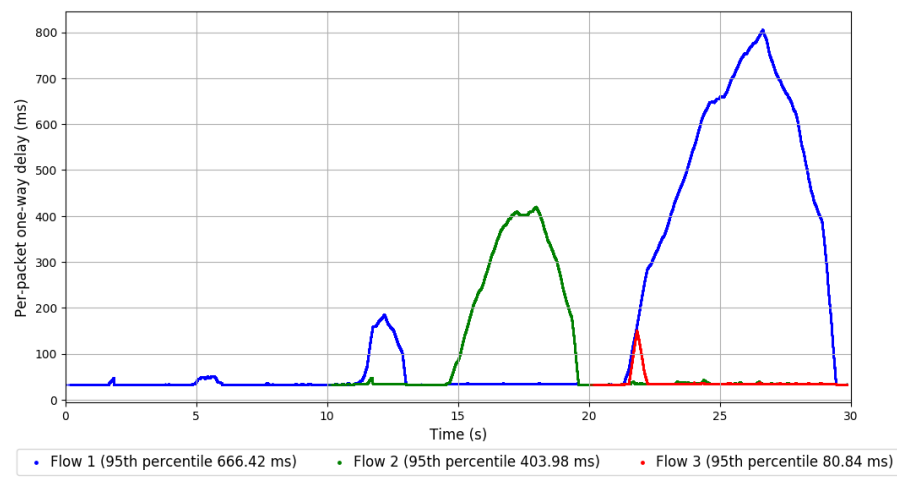
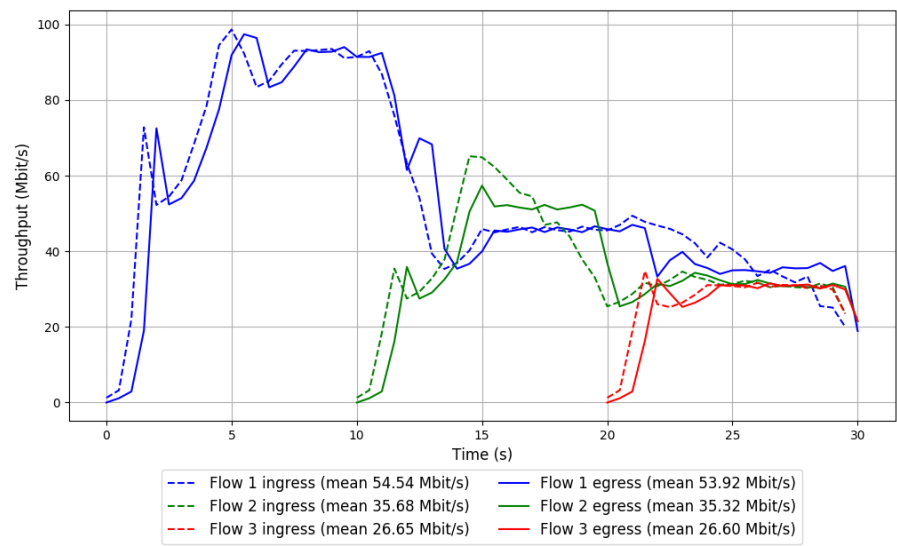


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-03 11:22:18
End at: 2019-01-03 11:22:48
Local clock offset: 0.562 ms
Remote clock offset: -1.406 ms

Below is generated by plot.py at 2019-01-03 11:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 599.057 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 666.422 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 403.976 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 80.836 ms
Loss rate: 0.82%

Run 5: Report of PCC-Vivace — Data Link

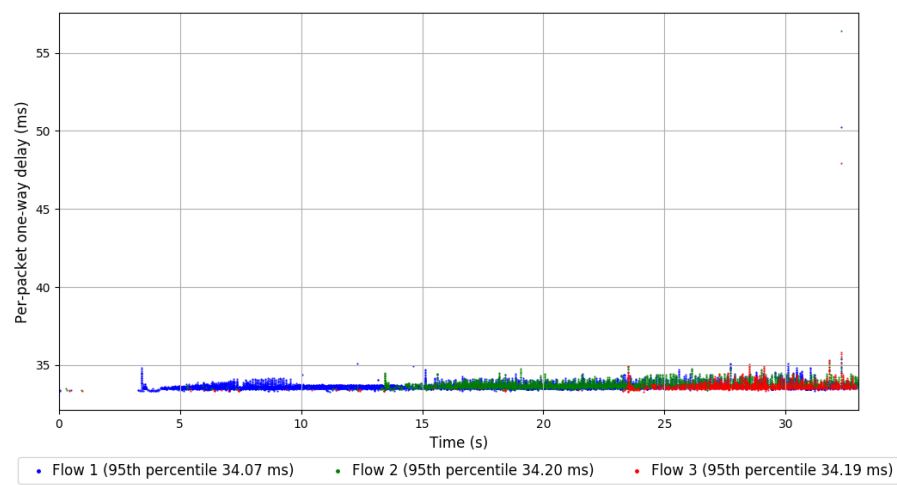
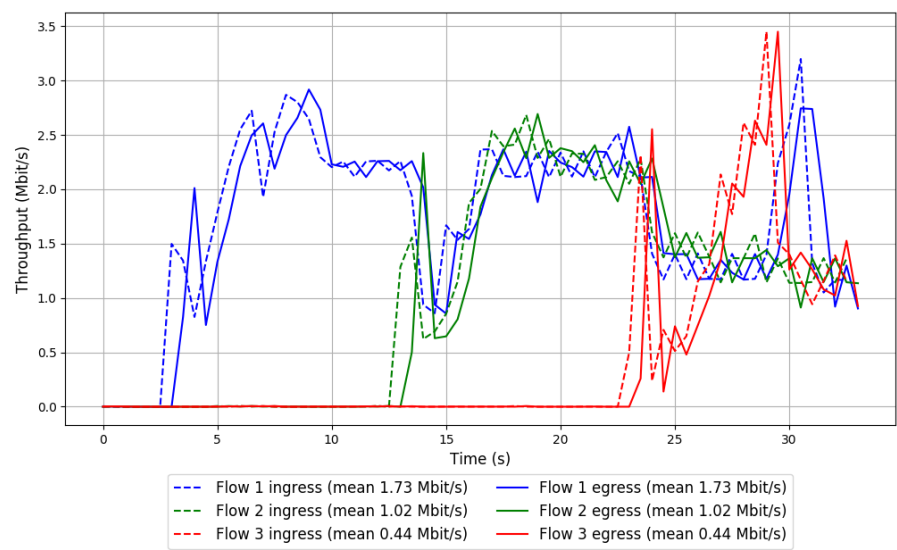


Run 1: Statistics of WebRTC media

Start at: 2019-01-03 09:50:41
End at: 2019-01-03 09:51:11
Local clock offset: 0.374 ms
Remote clock offset: -4.609 ms

Below is generated by plot.py at 2019-01-03 11:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 34.128 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 34.069 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 34.198 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 34.193 ms
Loss rate: 0.81%

Run 1: Report of WebRTC media — Data Link

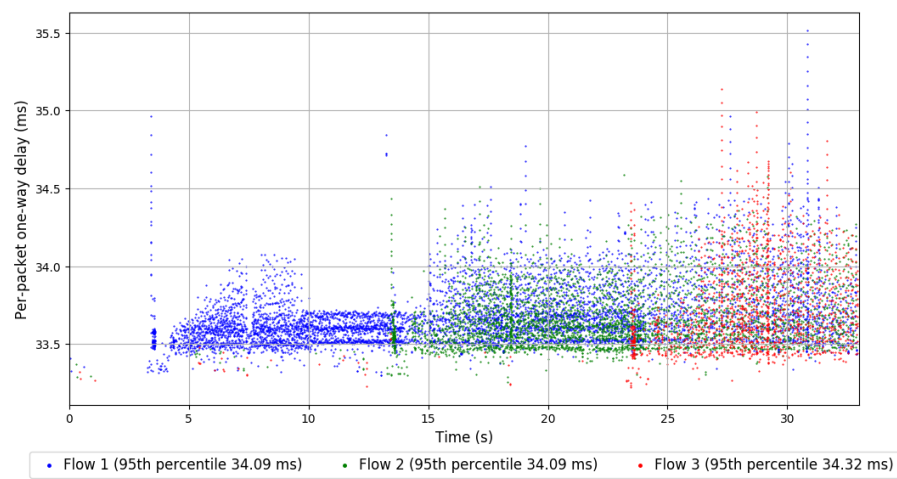
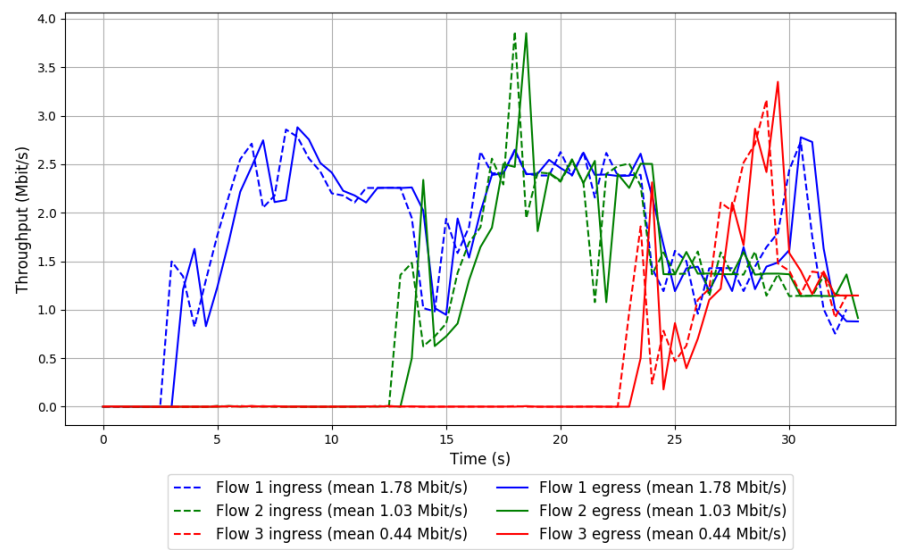


Run 2: Statistics of WebRTC media

Start at: 2019-01-03 10:14:24
End at: 2019-01-03 10:14:54
Local clock offset: 0.183 ms
Remote clock offset: -3.397 ms

Below is generated by plot.py at 2019-01-03 11:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 34.143 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 34.094 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 34.086 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 34.316 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

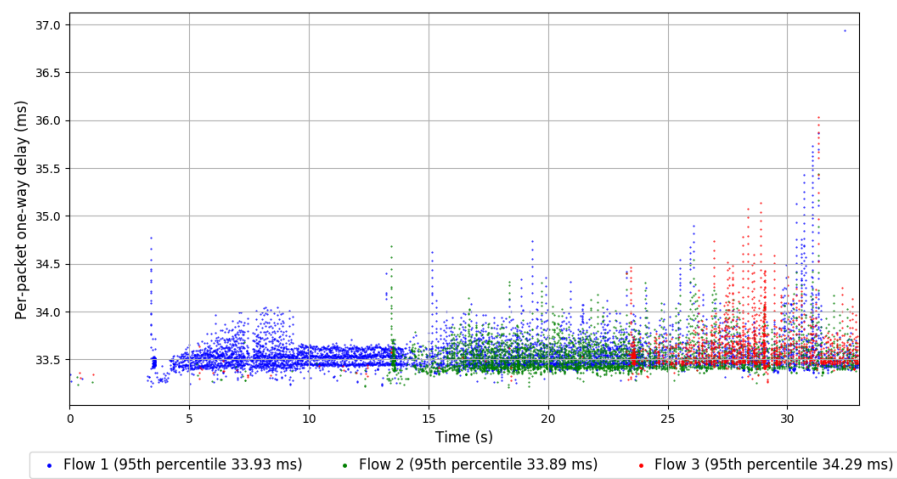
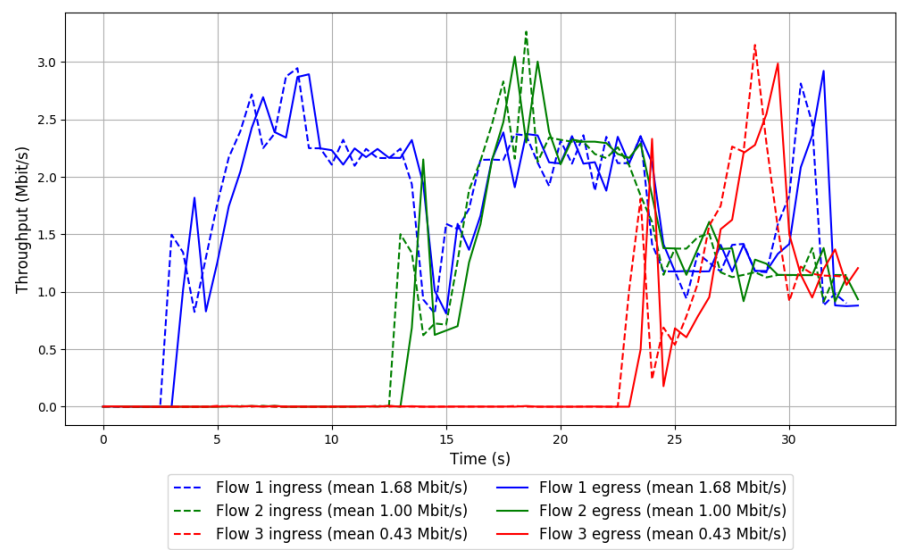


Run 3: Statistics of WebRTC media

Start at: 2019-01-03 10:38:02
End at: 2019-01-03 10:38:32
Local clock offset: 0.163 ms
Remote clock offset: -2.498 ms

Below is generated by plot.py at 2019-01-03 11:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 33.982 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 33.932 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 33.887 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.287 ms
Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link

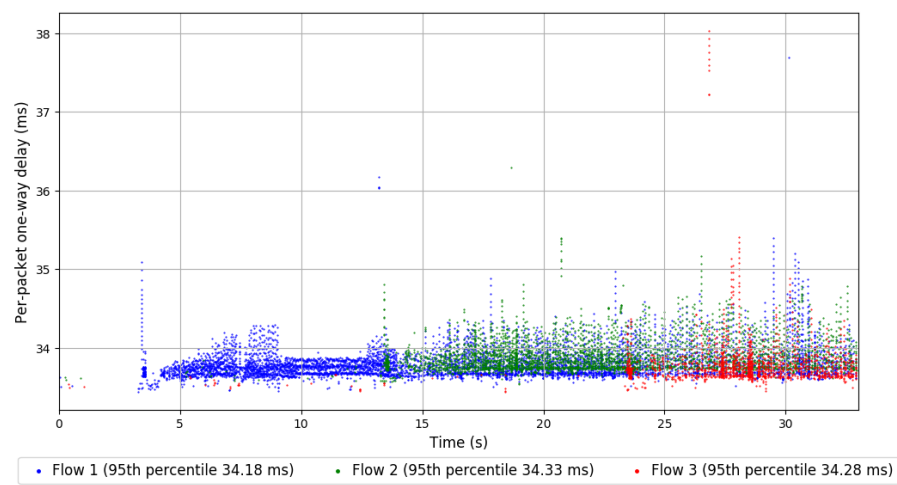
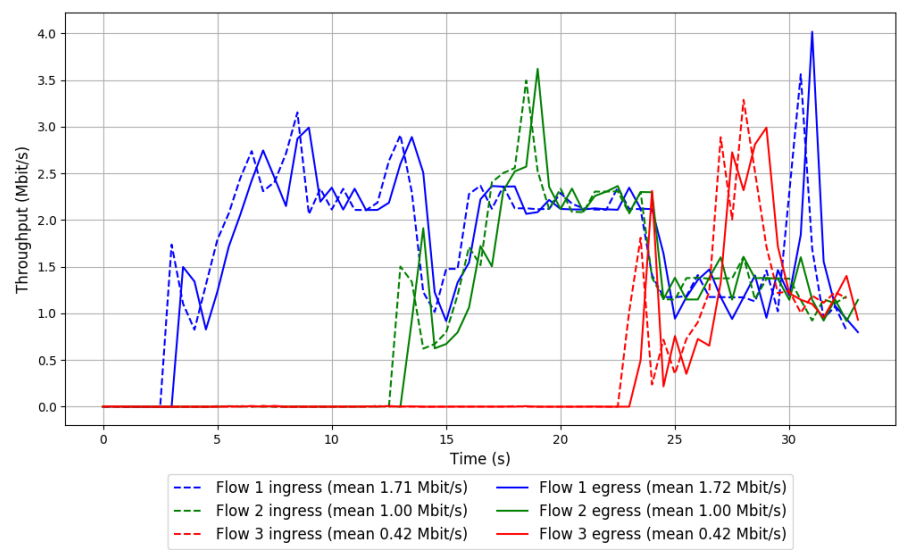


Run 4: Statistics of WebRTC media

Start at: 2019-01-03 11:01:18
End at: 2019-01-03 11:01:48
Local clock offset: 0.333 ms
Remote clock offset: -1.985 ms

Below is generated by plot.py at 2019-01-03 11:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 34.262 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 34.184 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 34.334 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.280 ms
Loss rate: 0.84%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-03 11:24:47
End at: 2019-01-03 11:25:17
Local clock offset: 0.583 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2019-01-03 11:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 34.283 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 34.232 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 34.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.481 ms
Loss rate: 0.47%

Run 5: Report of WebRTC media — Data Link

