

Pantheon Report

Generated at 2019-05-30 07:49:16 (UTC).

Data path: Brazil on p4p1 (*remote*) → AWS Brazil 1 on ens5 (*local*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

```
Linux 4.15.0-1035-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 @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
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

| scheme | # runs | mean avg tput (Mbit/s) | mean 95th-%ile delay (ms) | mean loss rate (%) |
|----------------|--------|------------------------|---------------------------|--------------------|
| | | flow 1 | flow 1 | flow 1 |
| TCP BBR | 5 | 96.34 | 7.97 | 0.03 |
| Copa | 5 | 84.33 | 4.80 | 0.01 |
| TCP Cubic | 5 | 97.47 | 9.40 | 0.05 |
| FillP | 5 | 95.93 | 9.78 | 0.04 |
| FillP-Sheep | 5 | 94.31 | 6.02 | 0.01 |
| Indigo | 5 | 96.93 | 4.52 | 0.02 |
| Indigo-MusesC3 | 5 | 85.63 | 3.33 | 0.01 |
| Indigo-MusesC5 | 5 | 41.26 | 2.76 | 0.01 |
| Indigo-MusesD | 5 | 58.24 | 3.77 | 0.01 |
| Indigo-MusesT | 5 | 74.33 | 3.11 | 0.01 |
| LEDBAT | 5 | 95.79 | 10.04 | 0.08 |
| PCC-Allegro | 5 | 93.11 | 2.86 | 0.01 |
| PCC-Expr | 5 | 89.57 | 614.93 | 4.26 |
| QUIC Cubic | 5 | 89.13 | 6.59 | 0.01 |
| SReAM | 5 | 0.22 | 2.11 | 0.00 |
| Sprout | 5 | 50.24 | 10.33 | 0.03 |
| TaoVA-100x | 5 | 87.66 | 1.99 | 0.01 |
| TCP Vegas | 5 | 97.18 | 3.64 | 0.01 |
| Verus | 5 | 61.38 | 15.49 | 0.02 |
| PCC-Vivace | 5 | 58.49 | 2.34 | 0.01 |
| WebRTC media | 5 | 2.35 | 2.53 | 0.01 |

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 05:39:07

End at: 2019-05-30 05:39:37

Local clock offset: -4.99 ms

Remote clock offset: -0.499 ms

Below is generated by plot.py at 2019-05-30 07:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 7.485 ms

Loss rate: 0.03%

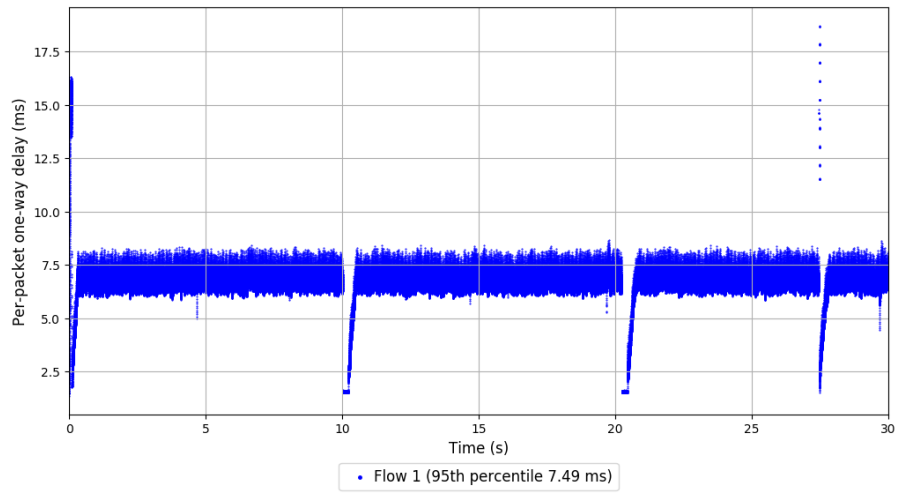
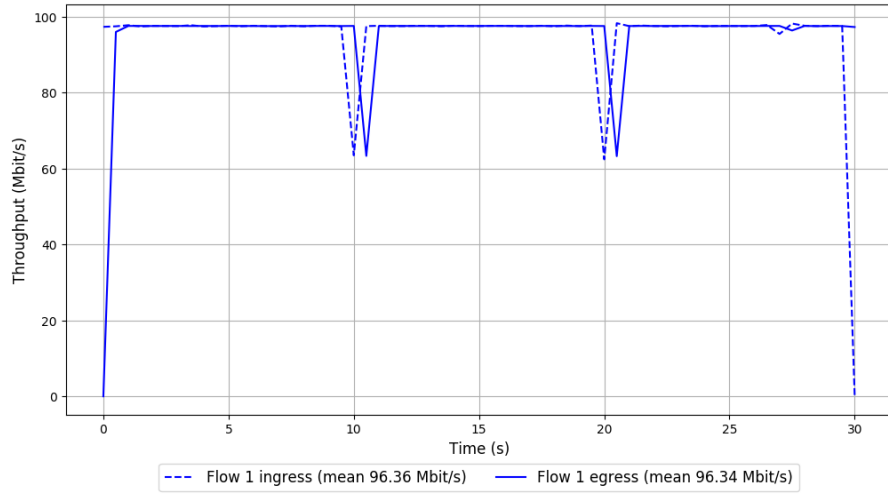
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 7.485 ms

Loss rate: 0.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-30 06:02:48

End at: 2019-05-30 06:03:18

Local clock offset: -5.452 ms

Remote clock offset: -0.186 ms

Below is generated by plot.py at 2019-05-30 07:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 7.461 ms

Loss rate: 0.03%

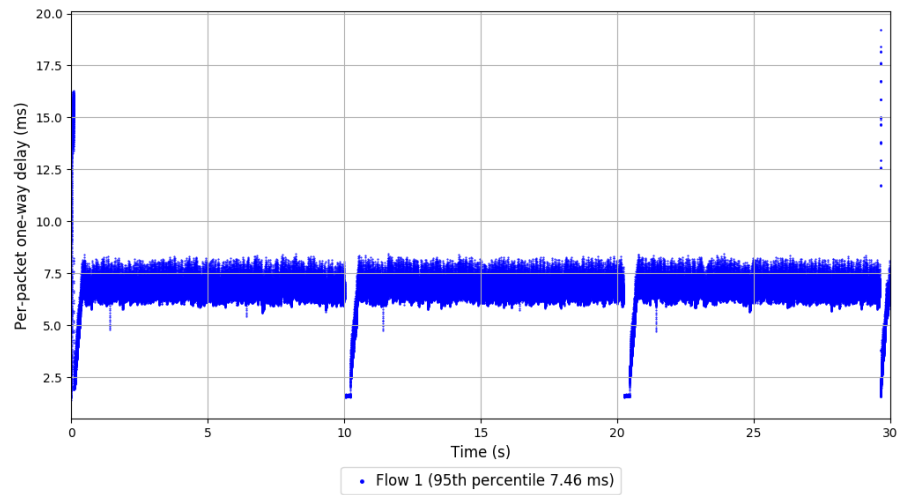
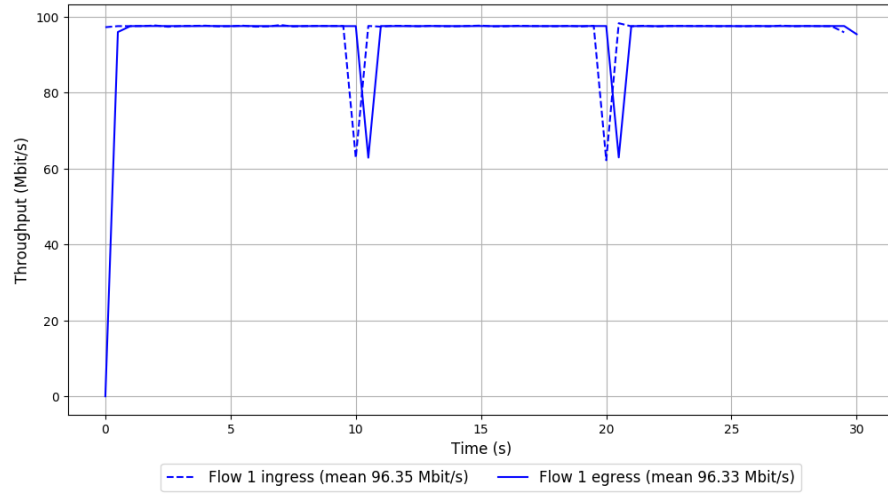
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 7.461 ms

Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-30 06:26:25

End at: 2019-05-30 06:26:55

Local clock offset: -3.741 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2019-05-30 07:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 8.181 ms

Loss rate: 0.03%

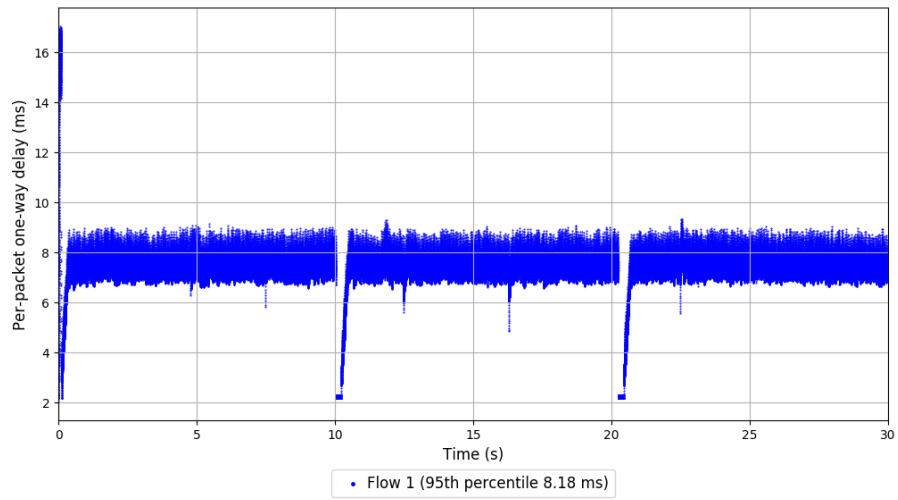
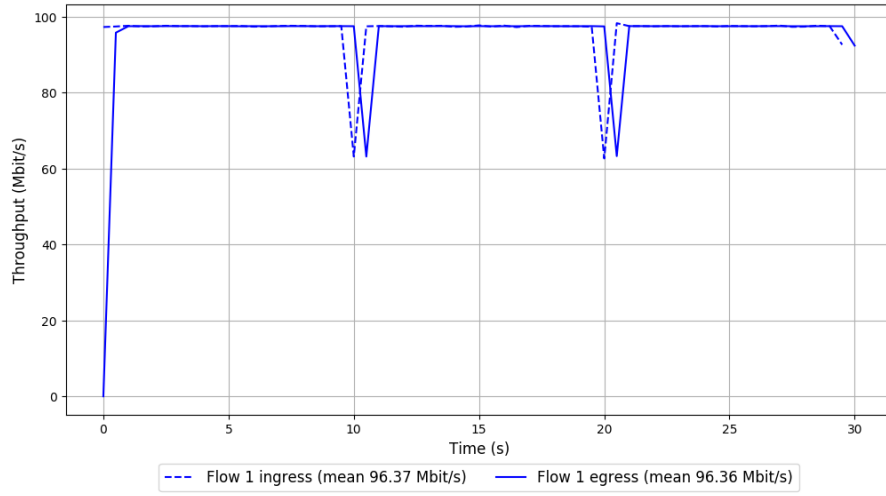
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 8.181 ms

Loss rate: 0.03%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-30 06:50:08

End at: 2019-05-30 06:50:38

Local clock offset: -3.398 ms

Remote clock offset: 0.433 ms

Below is generated by plot.py at 2019-05-30 07:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 7.624 ms

Loss rate: 0.03%

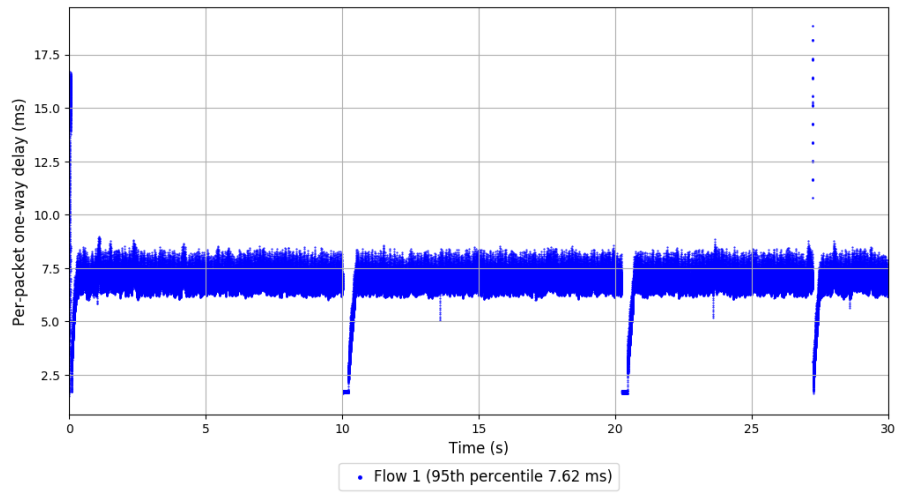
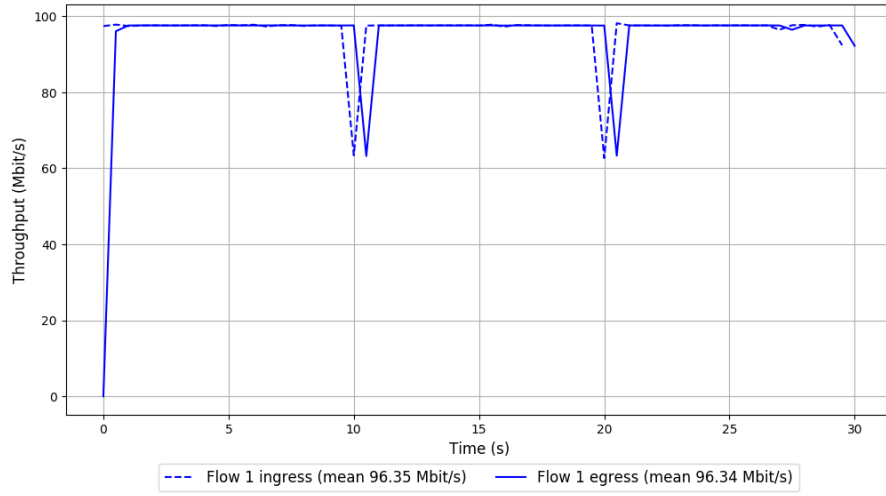
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 7.624 ms

Loss rate: 0.03%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-30 07:13:48

End at: 2019-05-30 07:14:18

Local clock offset: -2.444 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2019-05-30 07:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 9.078 ms

Loss rate: 0.03%

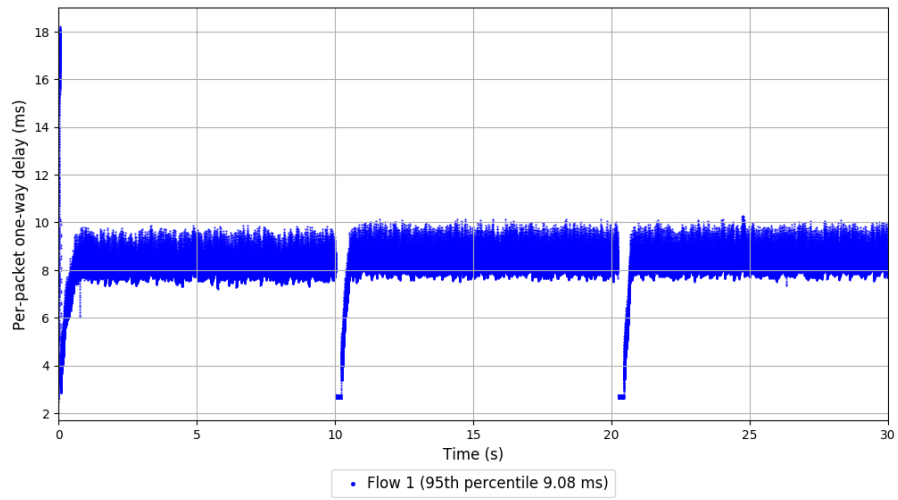
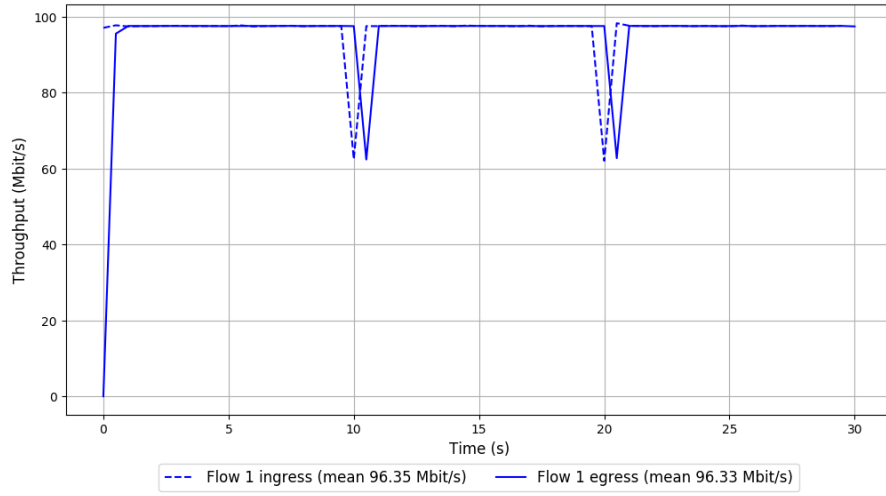
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 9.078 ms

Loss rate: 0.03%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-05-30 05:53:42
End at: 2019-05-30 05:54:12
Local clock offset: -5.201 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2019-05-30 07:38:25

Datalink statistics

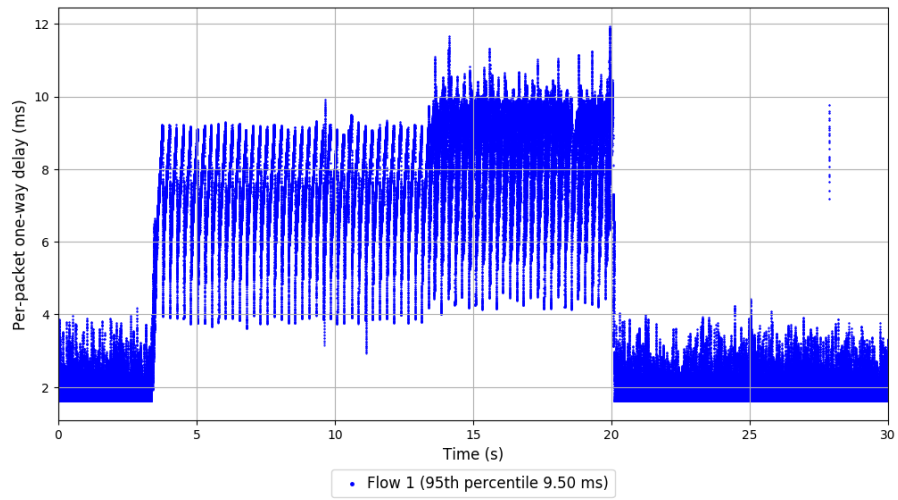
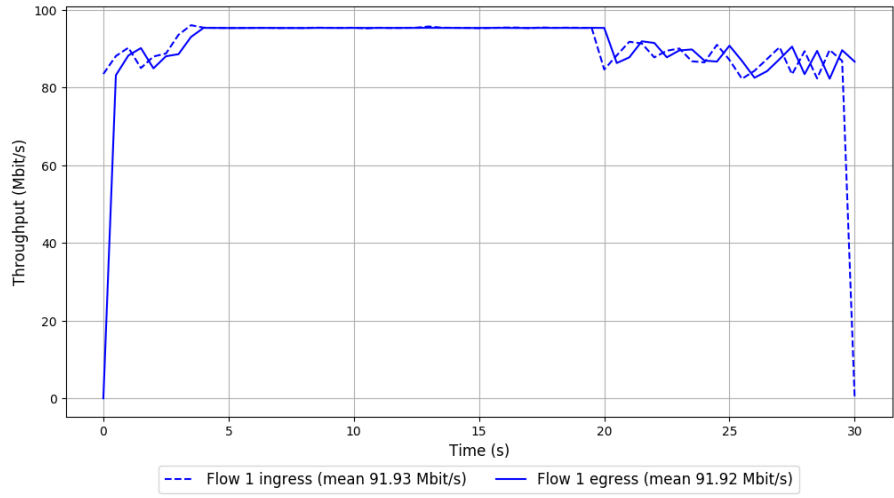
-- Total of 1 flow:

Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 9.496 ms
Loss rate: 0.03%

-- Flow 1:

Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 9.496 ms
Loss rate: 0.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-05-30 06:17:19

End at: 2019-05-30 06:17:49

Local clock offset: -3.818 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-05-30 07:38:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 4.531 ms

Loss rate: 0.01%

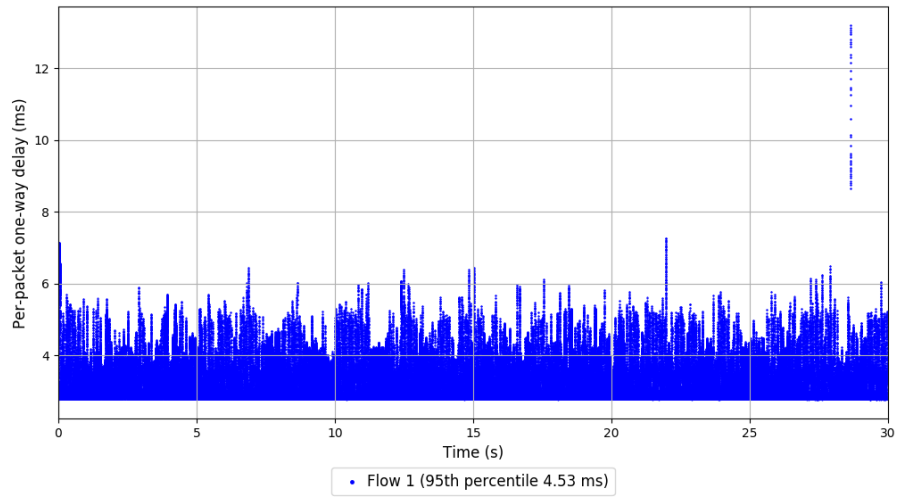
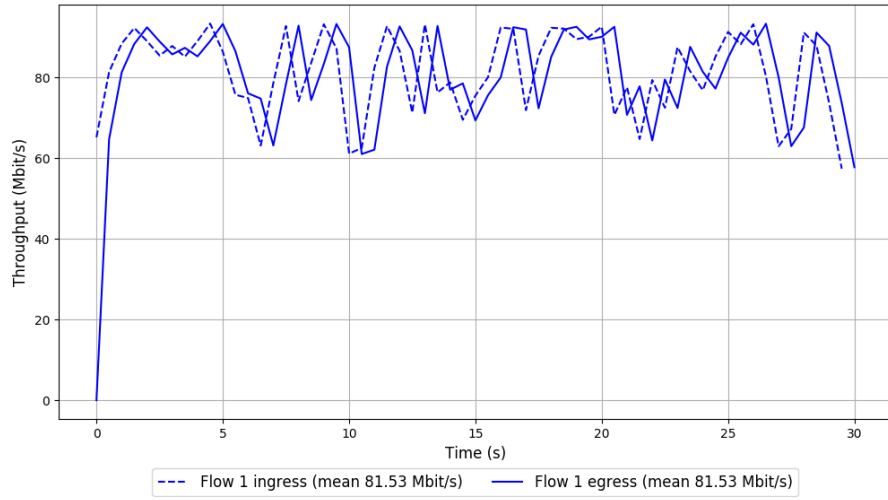
-- Flow 1:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 4.531 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-05-30 06:41:03

End at: 2019-05-30 06:41:33

Local clock offset: -3.873 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2019-05-30 07:38:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.01%

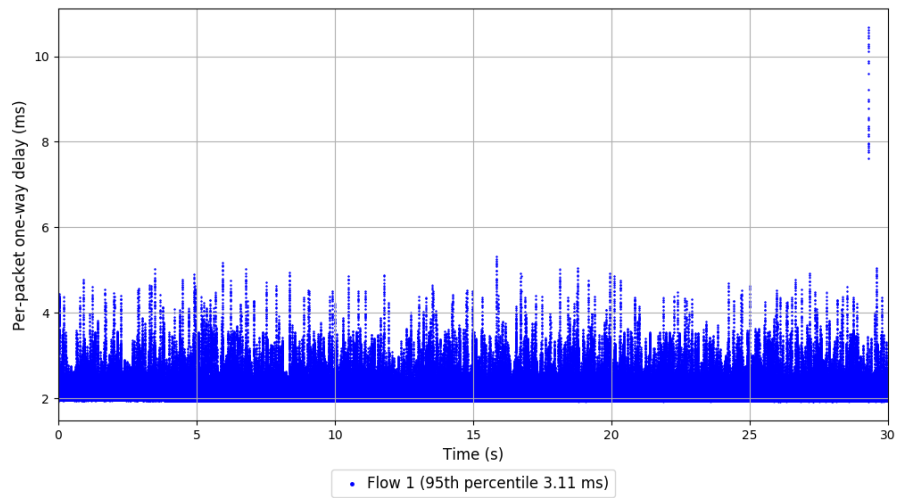
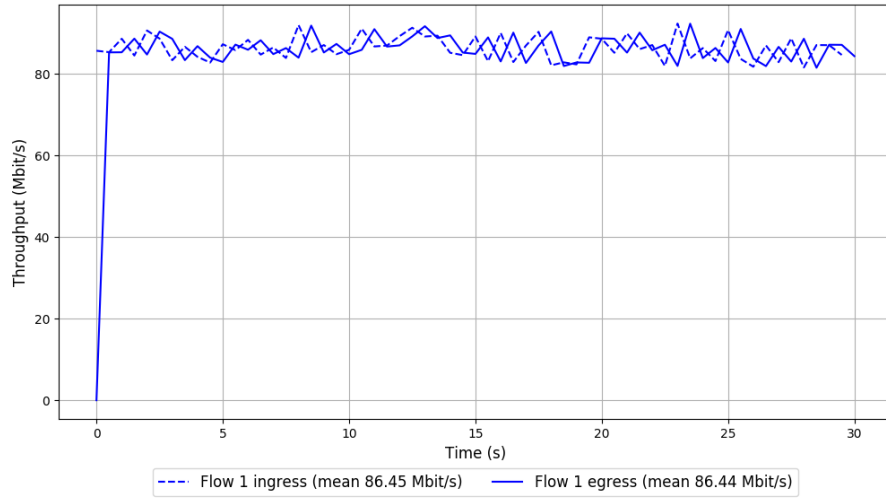
-- Flow 1:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-05-30 07:04:43

End at: 2019-05-30 07:05:13

Local clock offset: -3.023 ms

Remote clock offset: 0.526 ms

Below is generated by plot.py at 2019-05-30 07:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.88 Mbit/s

95th percentile per-packet one-way delay: 3.873 ms

Loss rate: 0.01%

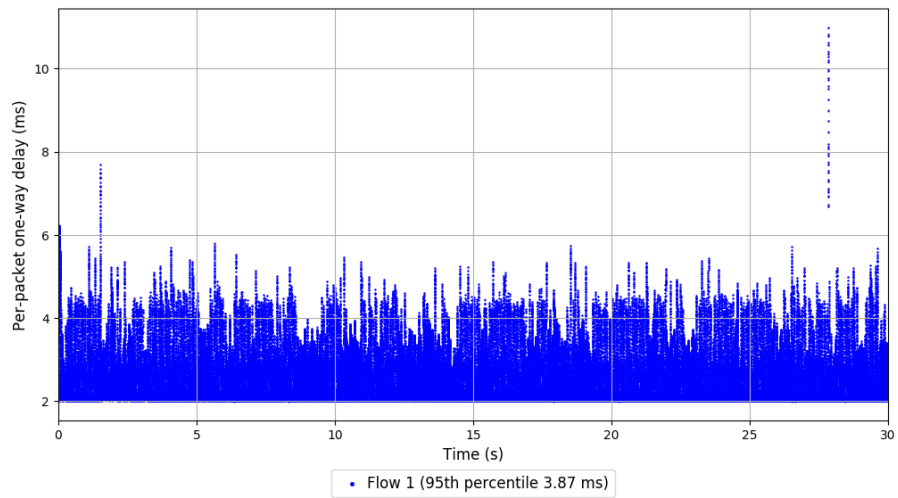
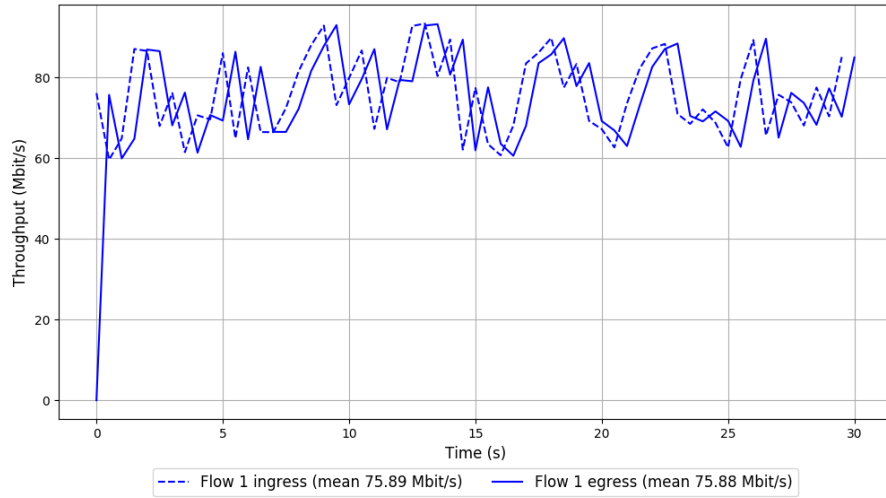
-- Flow 1:

Average throughput: 75.88 Mbit/s

95th percentile per-packet one-way delay: 3.873 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-05-30 07:28:22

End at: 2019-05-30 07:28:52

Local clock offset: -3.139 ms

Remote clock offset: 0.647 ms

Below is generated by plot.py at 2019-05-30 07:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 3.007 ms

Loss rate: 0.01%

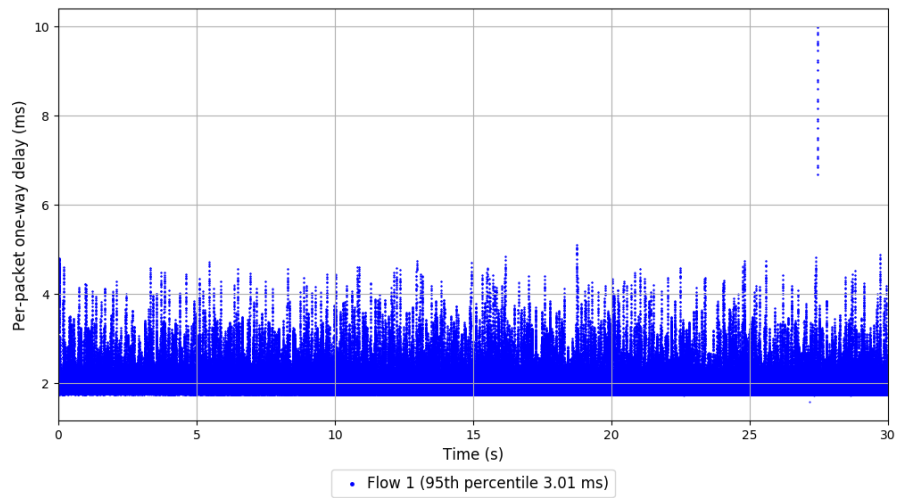
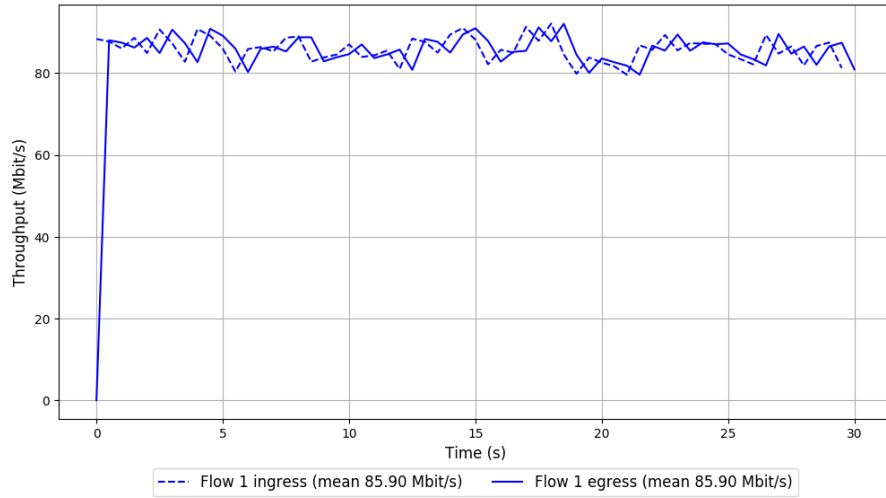
-- Flow 1:

Average throughput: 85.90 Mbit/s

95th percentile per-packet one-way delay: 3.007 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link

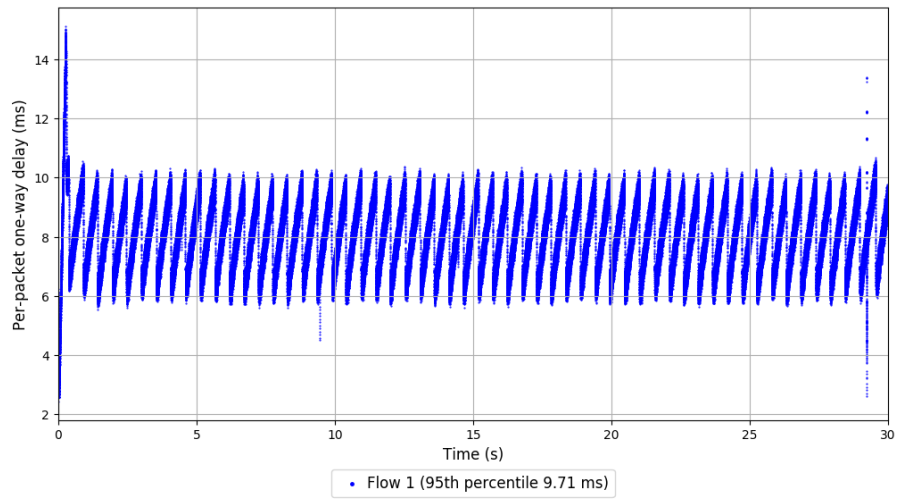
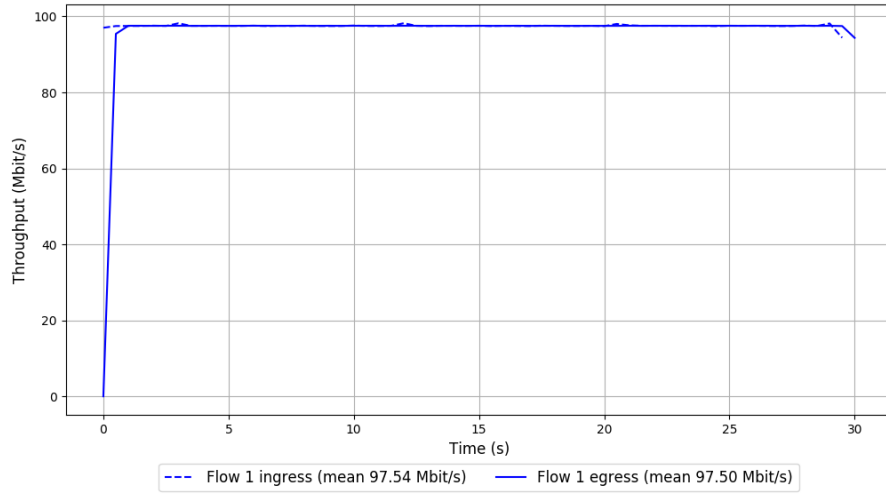


Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 05:42:30
End at: 2019-05-30 05:43:00
Local clock offset: -4.472 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2019-05-30 07:39:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

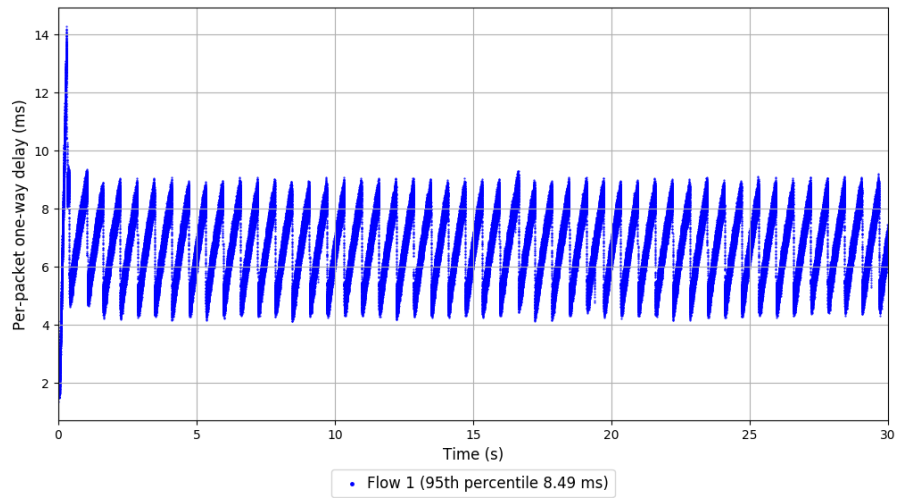
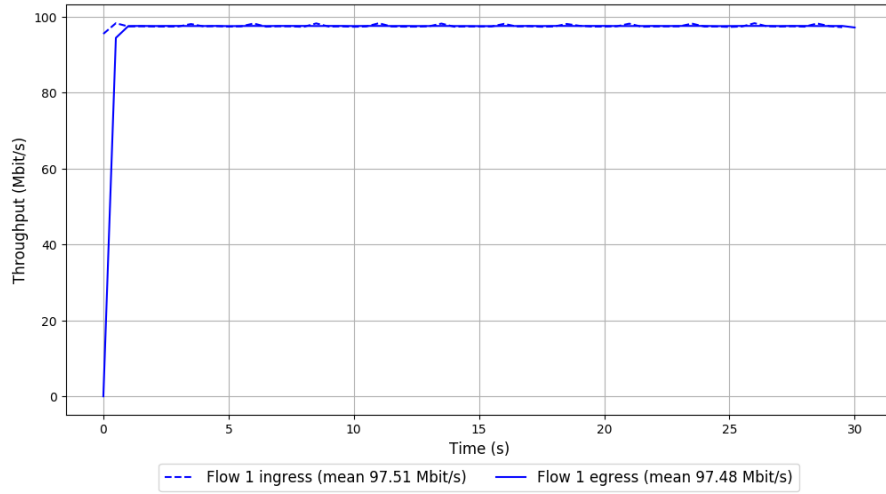


Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 06:06:11
End at: 2019-05-30 06:06:41
Local clock offset: -5.469 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-05-30 07:39:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 8.489 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 8.489 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 06:29:48

End at: 2019-05-30 06:30:18

Local clock offset: -3.479 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2019-05-30 07:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 9.845 ms

Loss rate: 0.06%

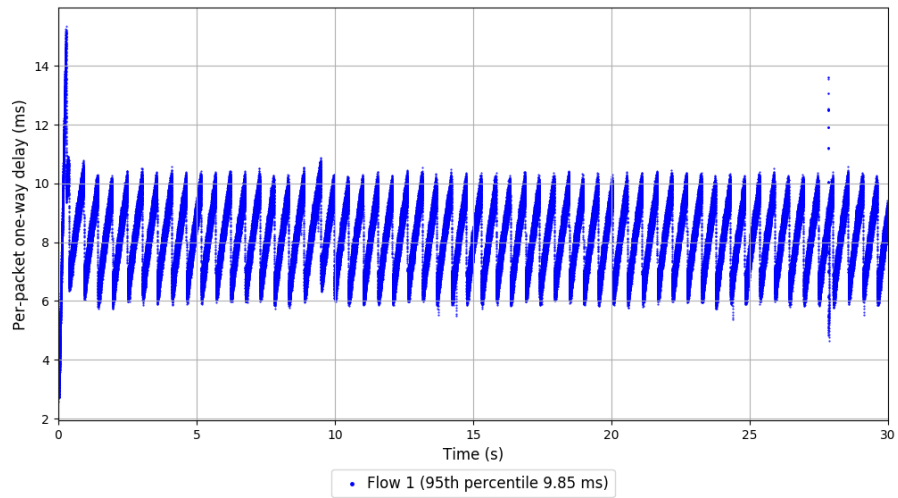
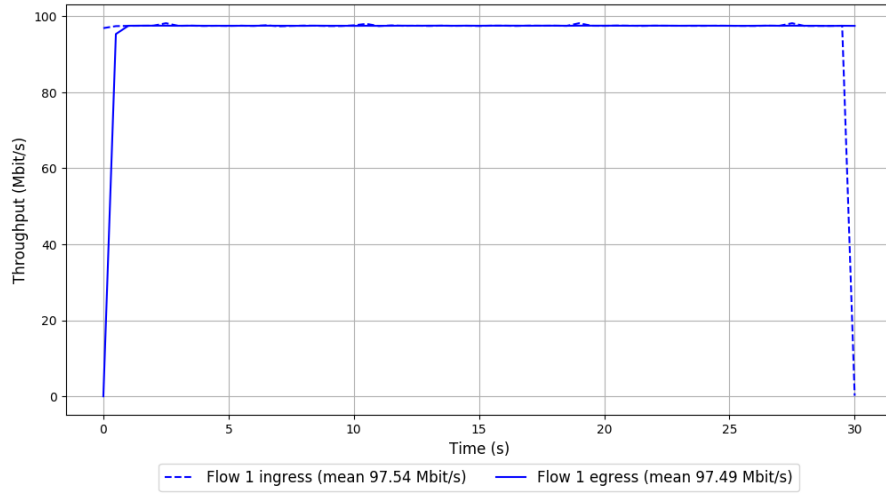
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 9.845 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 06:53:31

End at: 2019-05-30 06:54:01

Local clock offset: -2.762 ms

Remote clock offset: 0.438 ms

Below is generated by plot.py at 2019-05-30 07:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 9.202 ms

Loss rate: 0.05%

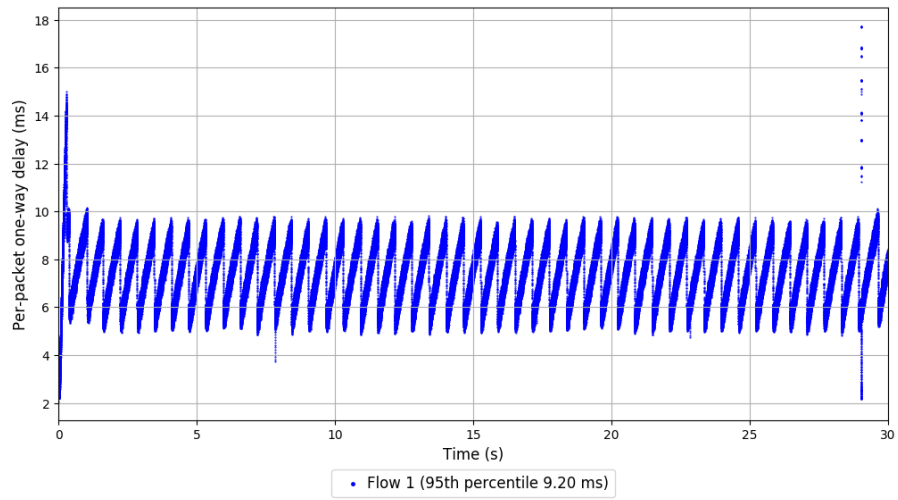
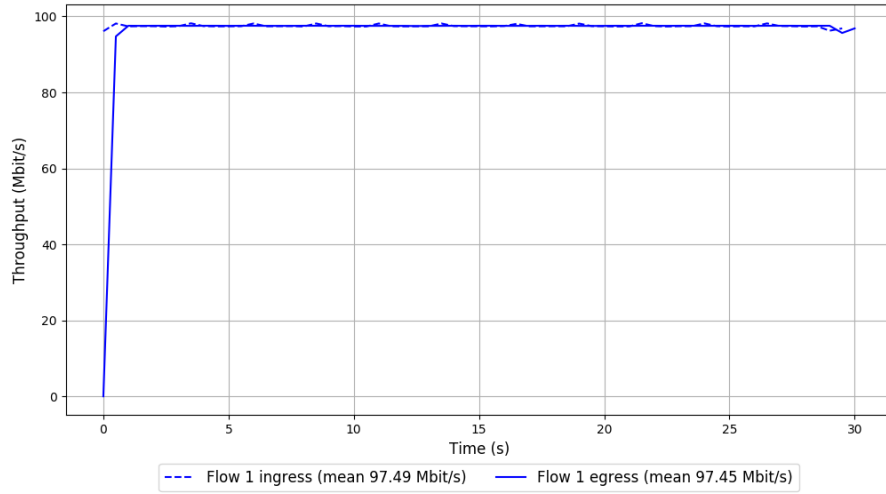
-- Flow 1:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 9.202 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 07:17:11

End at: 2019-05-30 07:17:41

Local clock offset: -2.255 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2019-05-30 07:39:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 9.757 ms

Loss rate: 0.05%

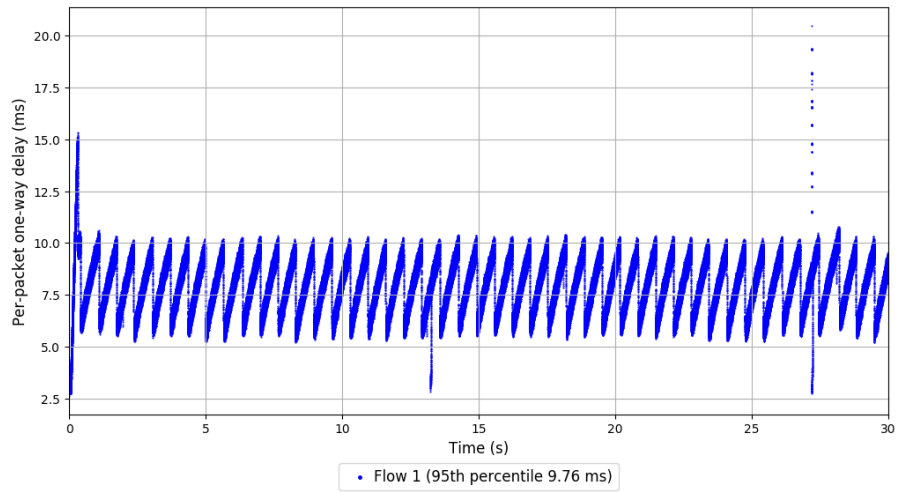
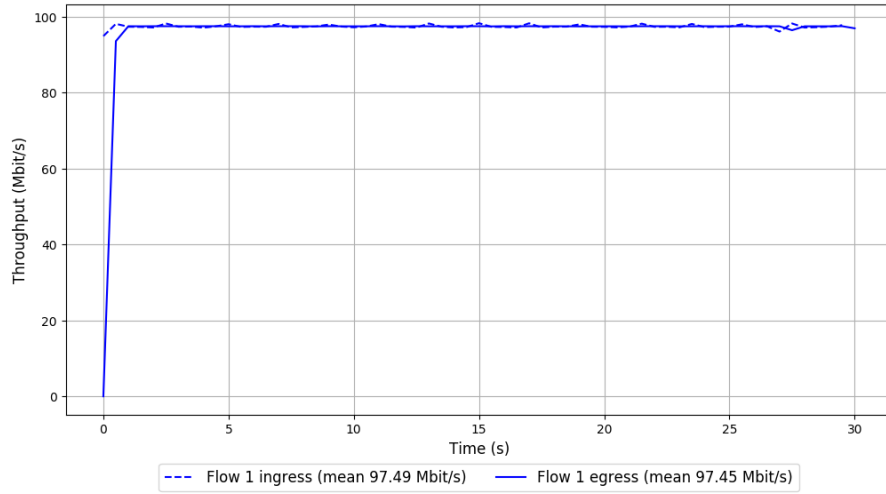
-- Flow 1:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 9.757 ms

Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link

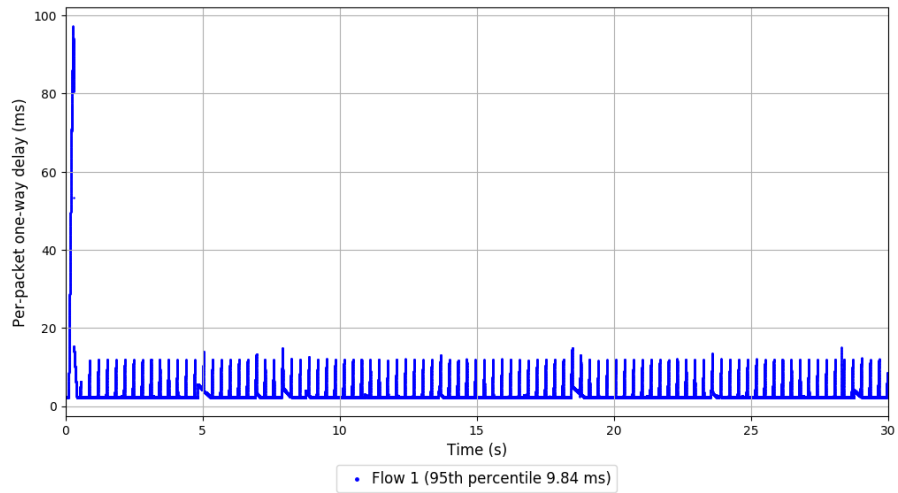
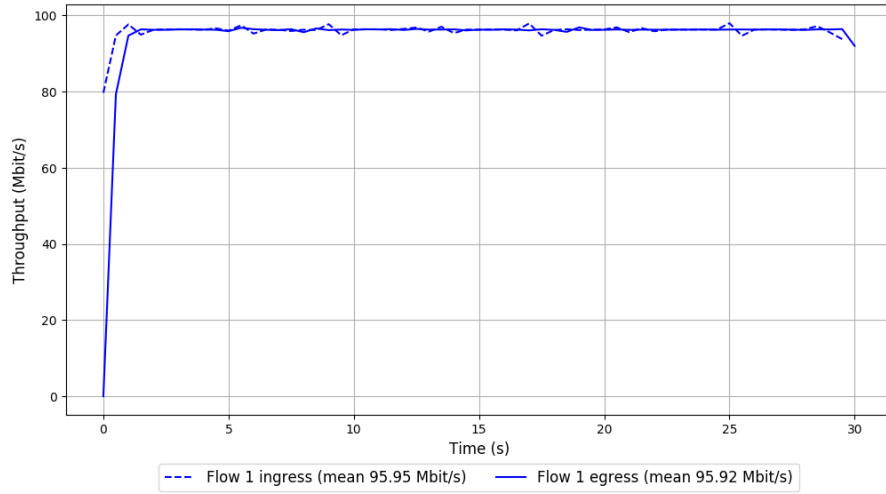


Run 1: Statistics of FillP

Start at: 2019-05-30 05:59:25
End at: 2019-05-30 05:59:55
Local clock offset: -4.572 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-05-30 07:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 9.838 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 9.838 ms
Loss rate: 0.04%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-05-30 06:23:01

End at: 2019-05-30 06:23:31

Local clock offset: -3.804 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2019-05-30 07:39:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 10.611 ms

Loss rate: 0.06%

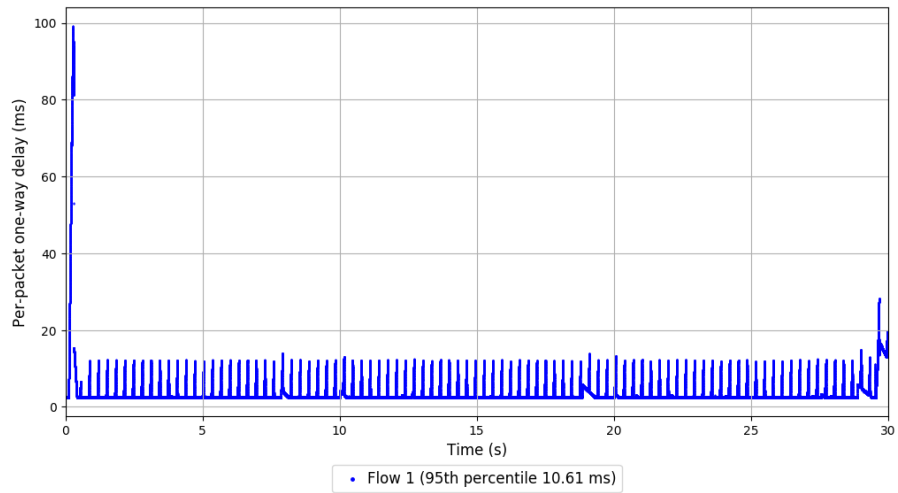
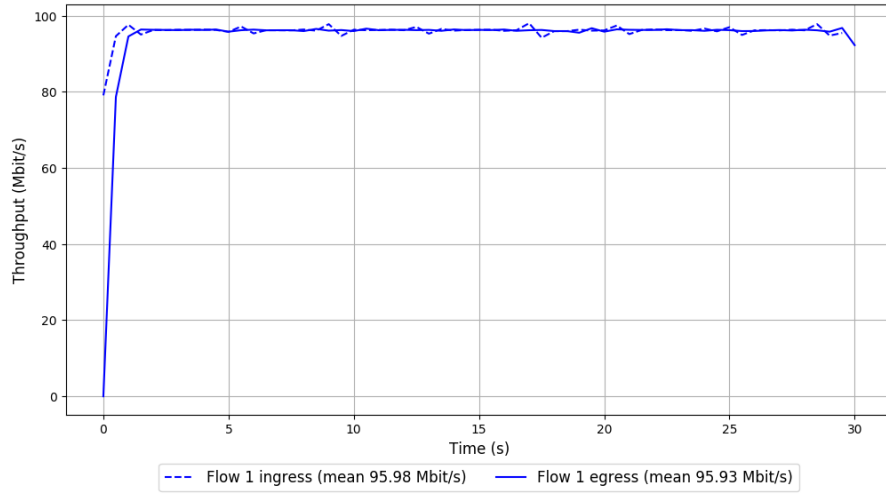
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 10.611 ms

Loss rate: 0.06%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-05-30 06:46:45

End at: 2019-05-30 06:47:15

Local clock offset: -3.709 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2019-05-30 07:39:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 9.079 ms

Loss rate: 0.03%

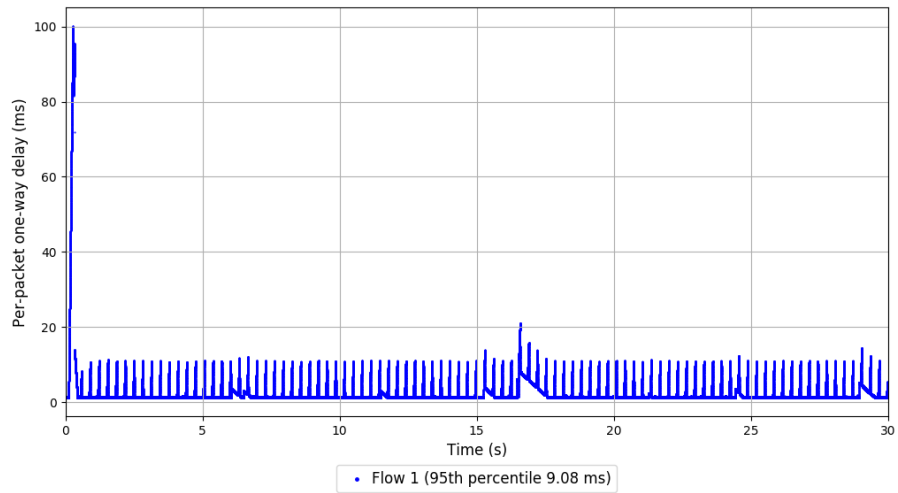
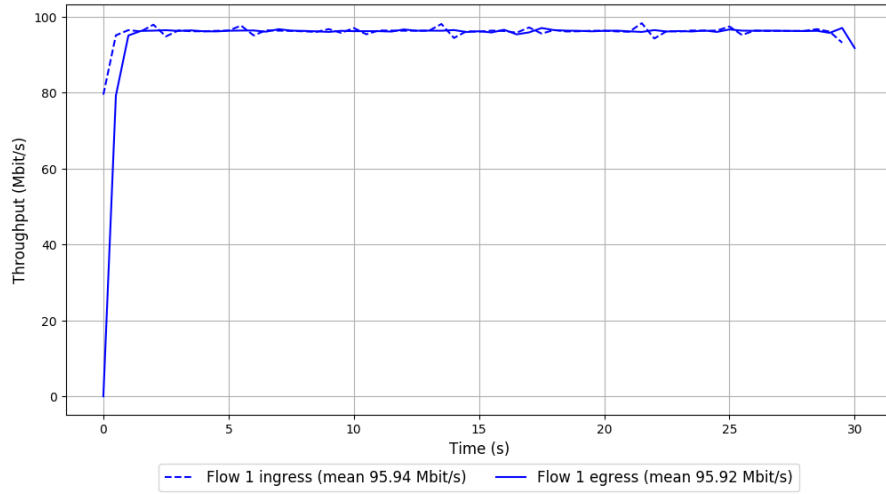
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 9.079 ms

Loss rate: 0.03%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-05-30 07:10:25

End at: 2019-05-30 07:10:55

Local clock offset: -3.062 ms

Remote clock offset: 0.605 ms

Below is generated by plot.py at 2019-05-30 07:39:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 9.641 ms

Loss rate: 0.03%

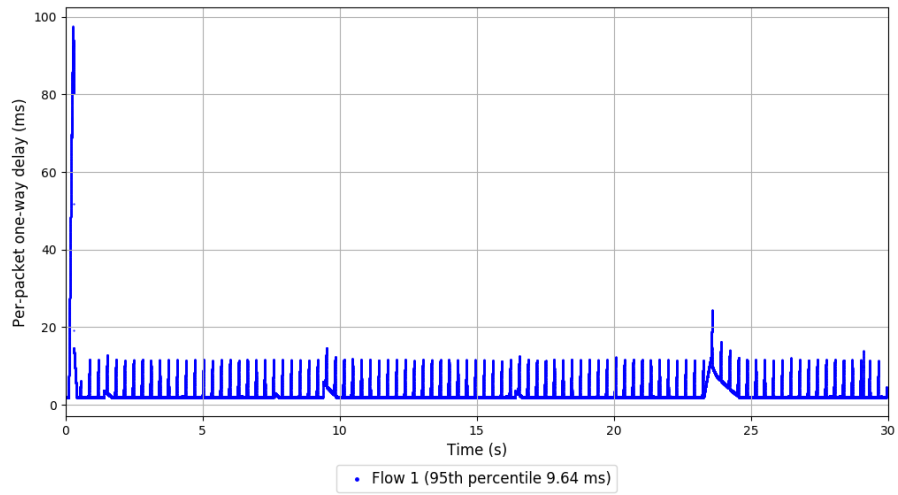
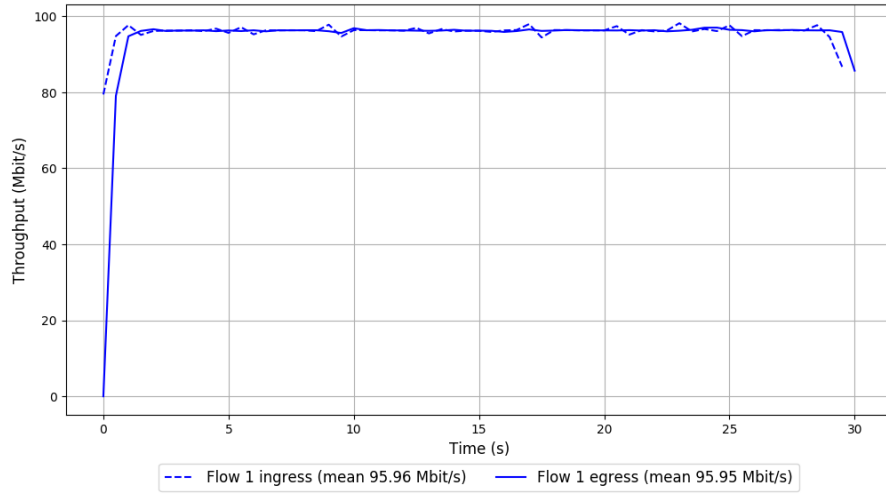
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 9.641 ms

Loss rate: 0.03%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-30 07:34:04

End at: 2019-05-30 07:34:34

Local clock offset: -2.142 ms

Remote clock offset: 0.688 ms

Below is generated by plot.py at 2019-05-30 07:40:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 9.743 ms

Loss rate: 0.02%

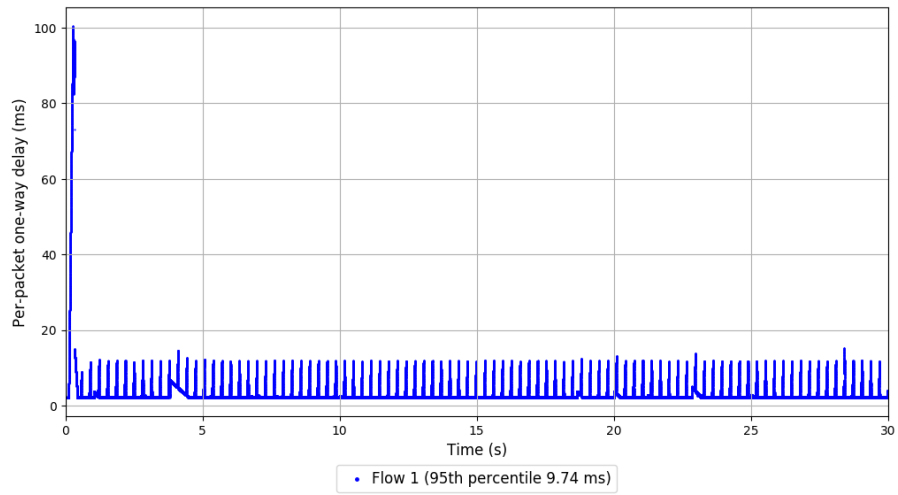
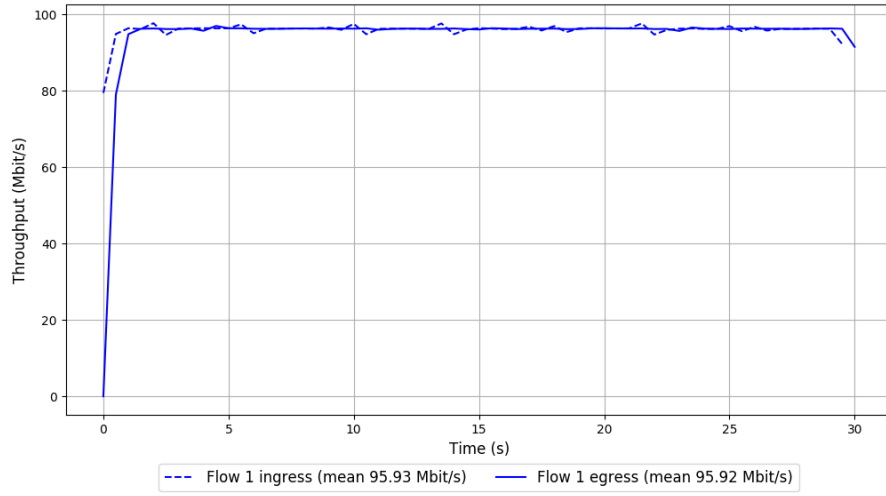
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 9.743 ms

Loss rate: 0.02%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 05:48:09
End at: 2019-05-30 05:48:39
Local clock offset: -5.381 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2019-05-30 07:40:27

Datalink statistics

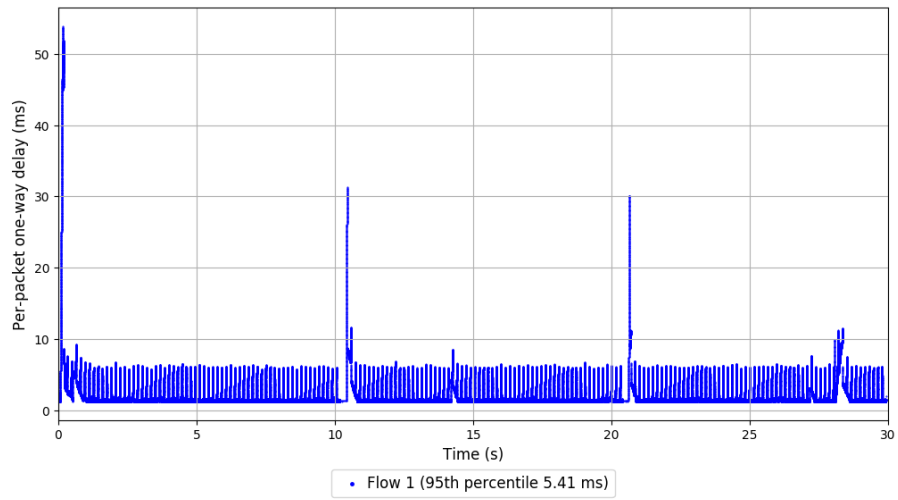
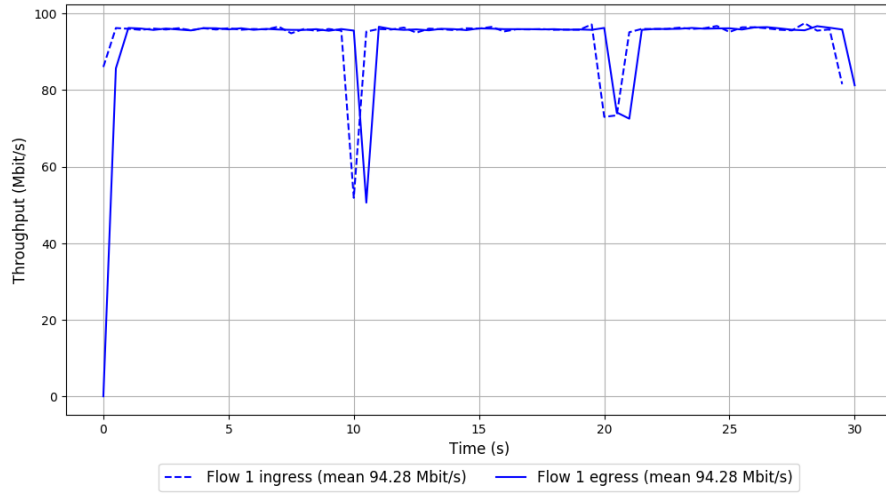
-- Total of 1 flow:

Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 5.410 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 5.410 ms
Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 06:11:48

End at: 2019-05-30 06:12:18

Local clock offset: -4.157 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-05-30 07:40:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 6.736 ms

Loss rate: 0.01%

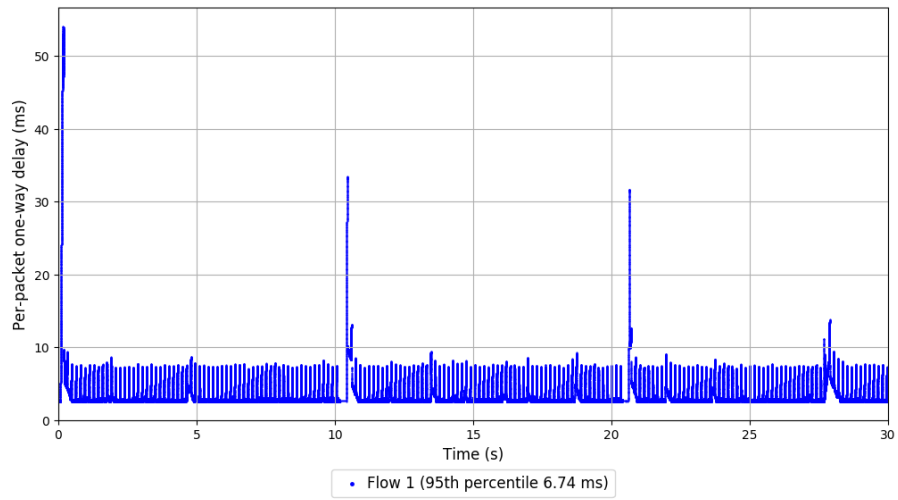
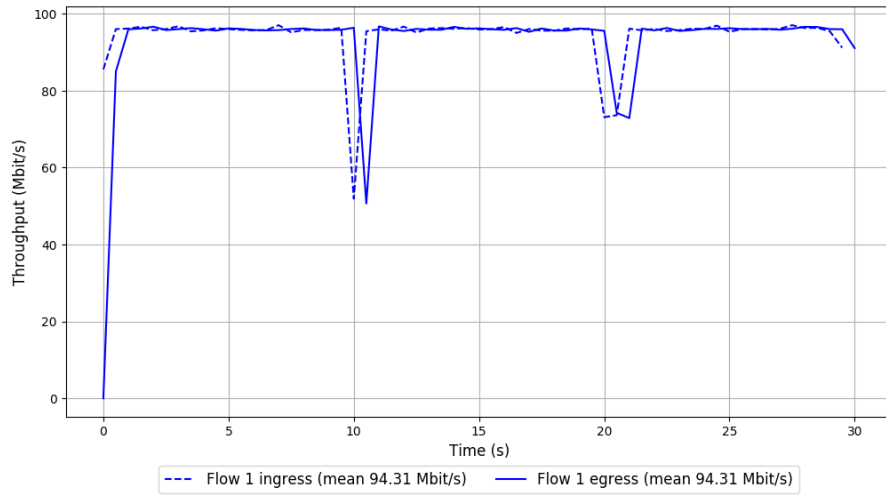
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 6.736 ms

Loss rate: 0.01%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 06:35:27

End at: 2019-05-30 06:35:57

Local clock offset: -4.302 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2019-05-30 07:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 5.953 ms

Loss rate: 0.01%

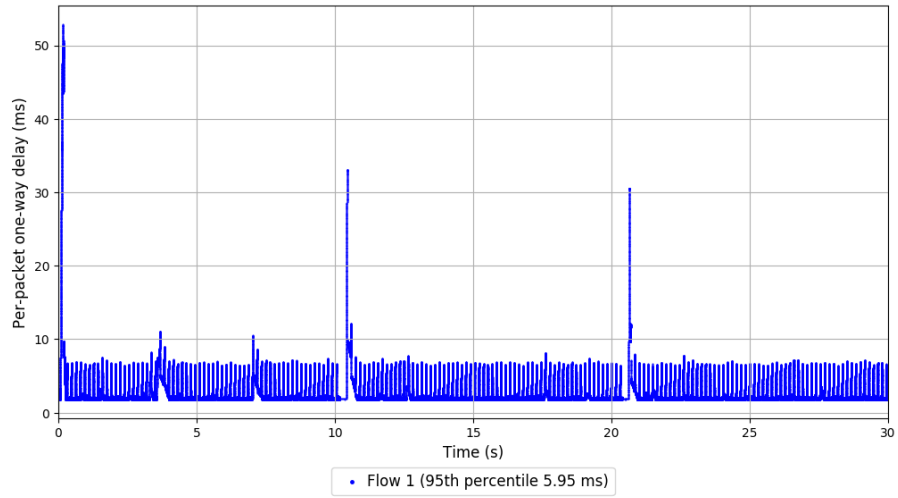
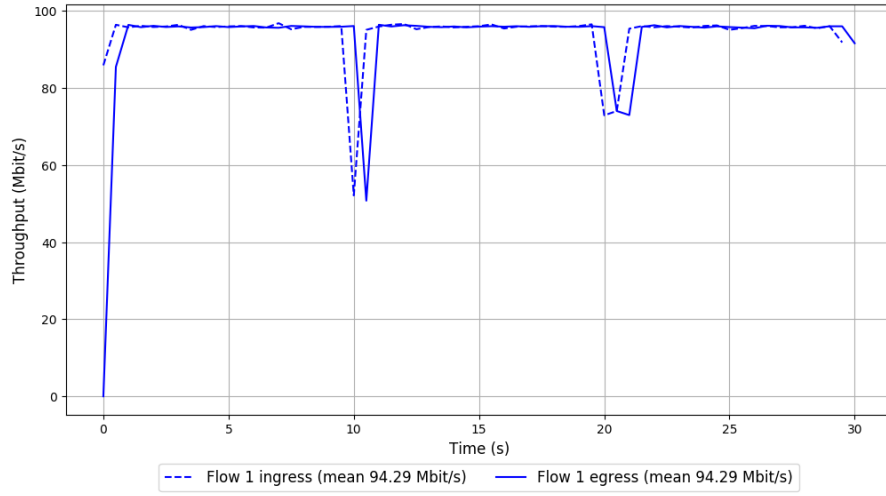
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 5.953 ms

Loss rate: 0.01%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 06:59:10

End at: 2019-05-30 06:59:40

Local clock offset: -3.151 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2019-05-30 07:40:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 5.647 ms

Loss rate: 0.01%

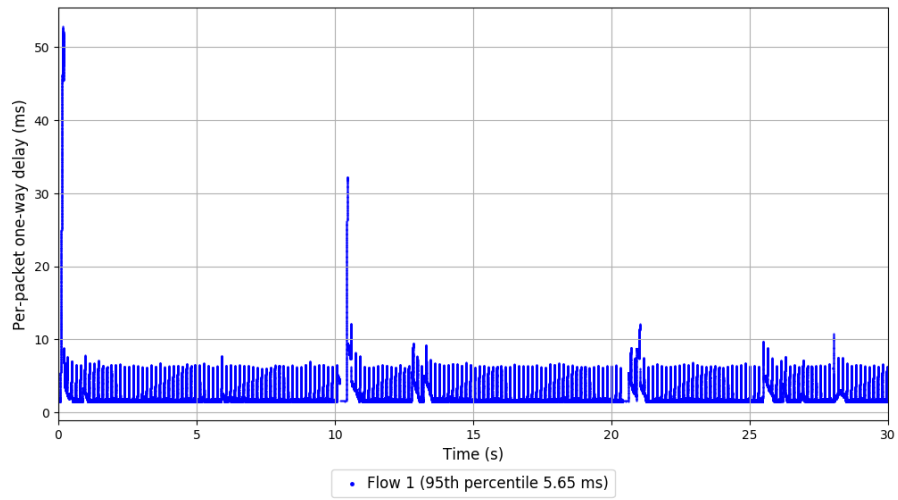
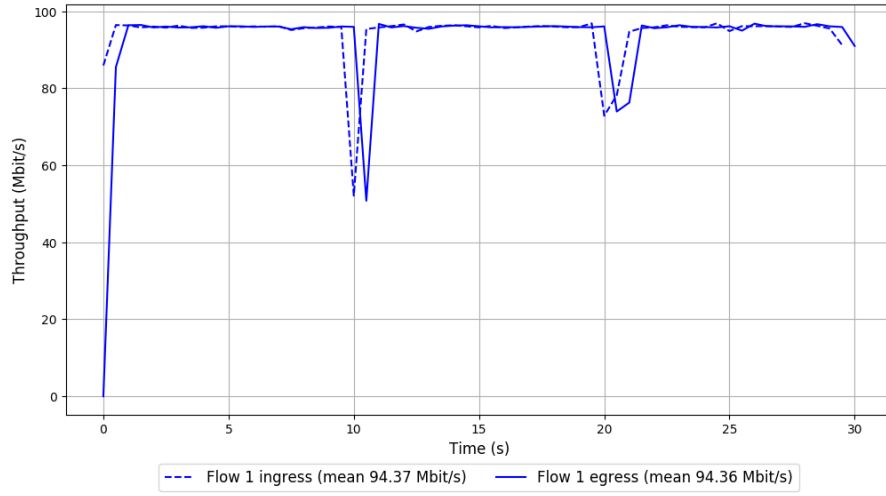
-- Flow 1:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 5.647 ms

Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 07:22:50

End at: 2019-05-30 07:23:20

Local clock offset: -2.291 ms

Remote clock offset: 0.64 ms

Below is generated by plot.py at 2019-05-30 07:41:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 6.348 ms

Loss rate: 0.02%

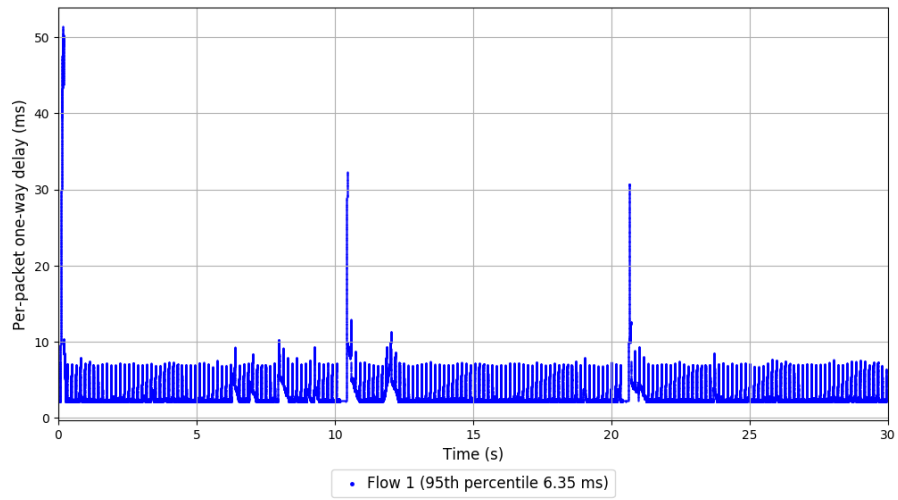
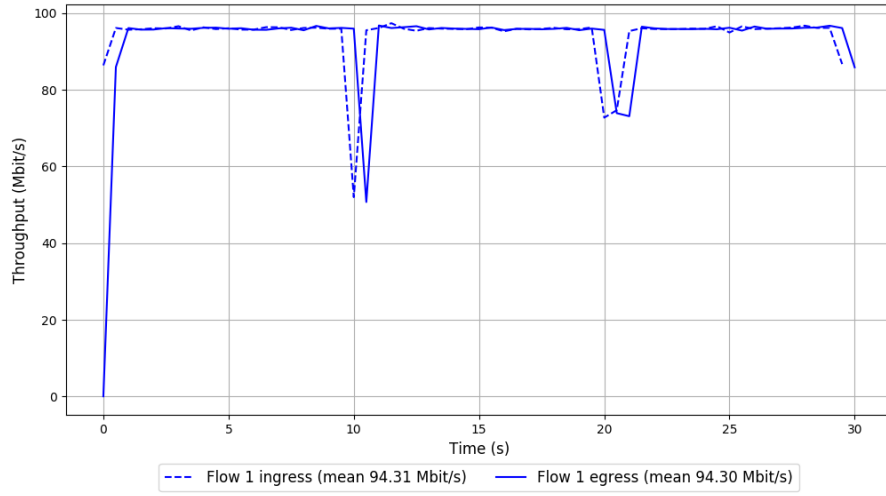
-- Flow 1:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 6.348 ms

Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link

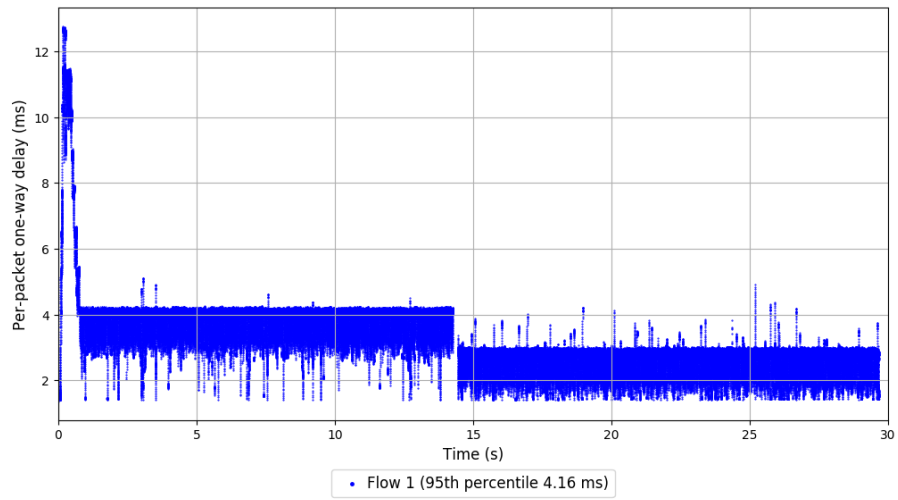
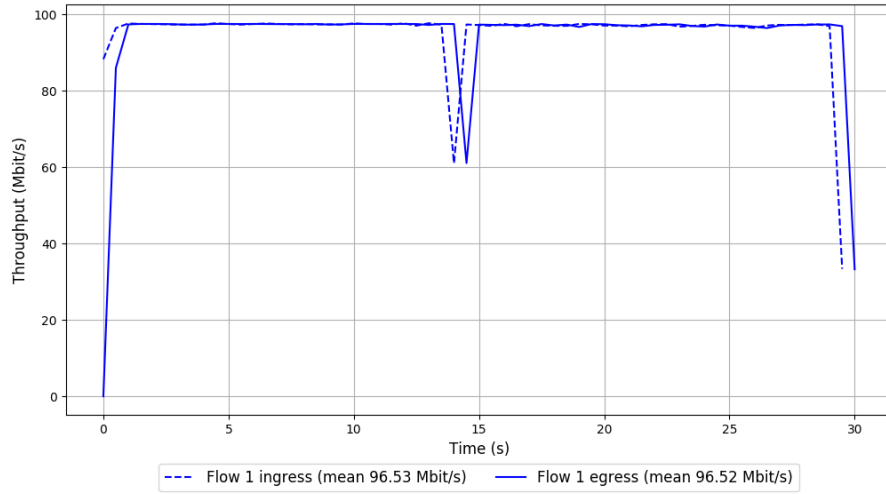


Run 1: Statistics of Indigo

Start at: 2019-05-30 05:36:50
End at: 2019-05-30 05:37:20
Local clock offset: -4.949 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2019-05-30 07:41:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 4.158 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 4.158 ms
Loss rate: 0.02%

Run 1: Report of Indigo — Data Link

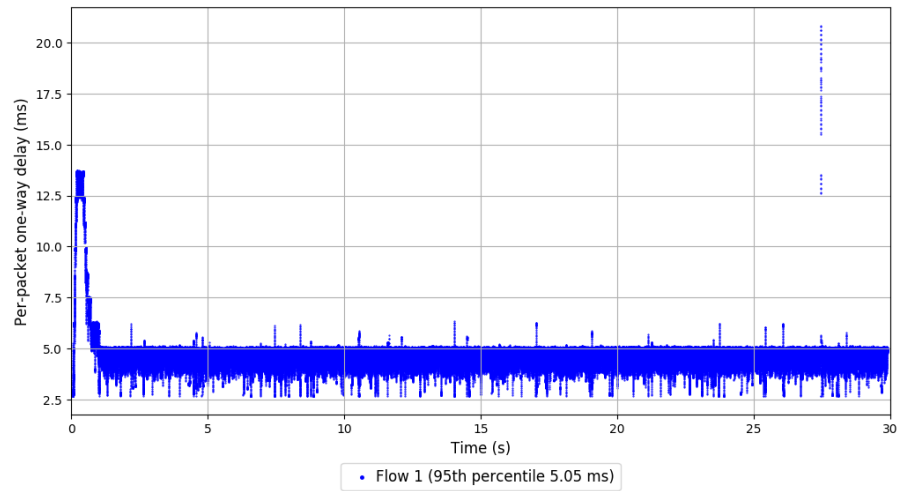
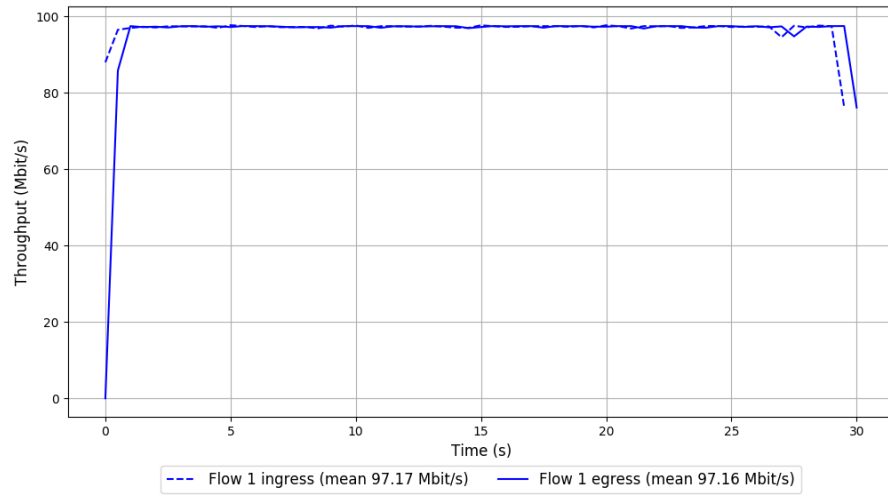


Run 2: Statistics of Indigo

Start at: 2019-05-30 06:00:32
End at: 2019-05-30 06:01:02
Local clock offset: -4.592 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-05-30 07:41:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 5.053 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 5.053 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-05-30 06:24:09

End at: 2019-05-30 06:24:39

Local clock offset: -4.325 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2019-05-30 07:41:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 4.382 ms

Loss rate: 0.02%

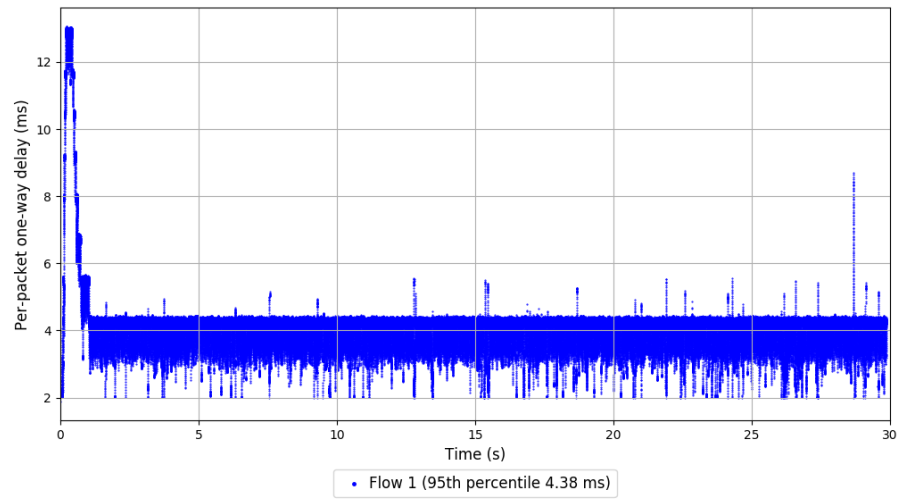
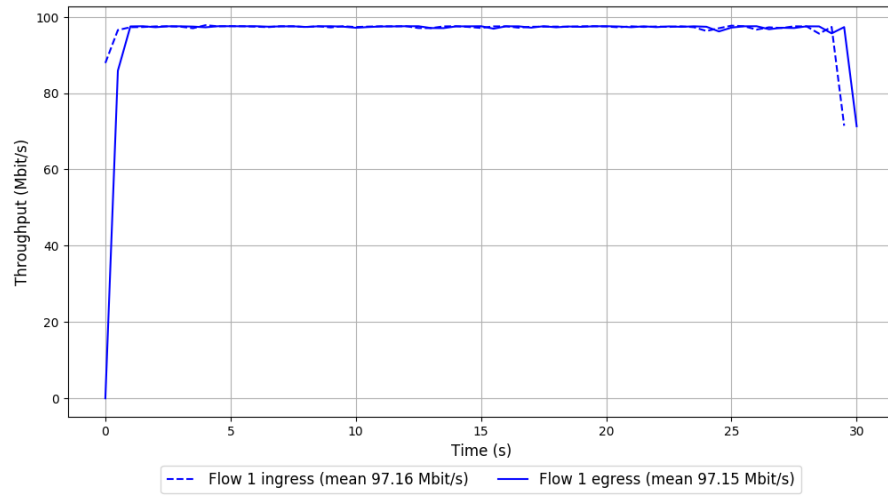
-- Flow 1:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 4.382 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-05-30 06:47:52

End at: 2019-05-30 06:48:22

Local clock offset: -2.746 ms

Remote clock offset: 0.457 ms

Below is generated by plot.py at 2019-05-30 07:41:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.324 ms

Loss rate: 0.02%

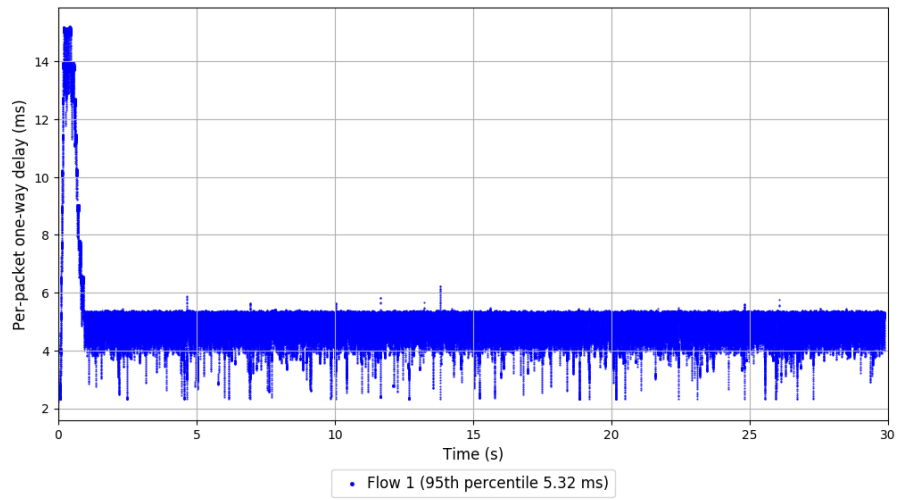
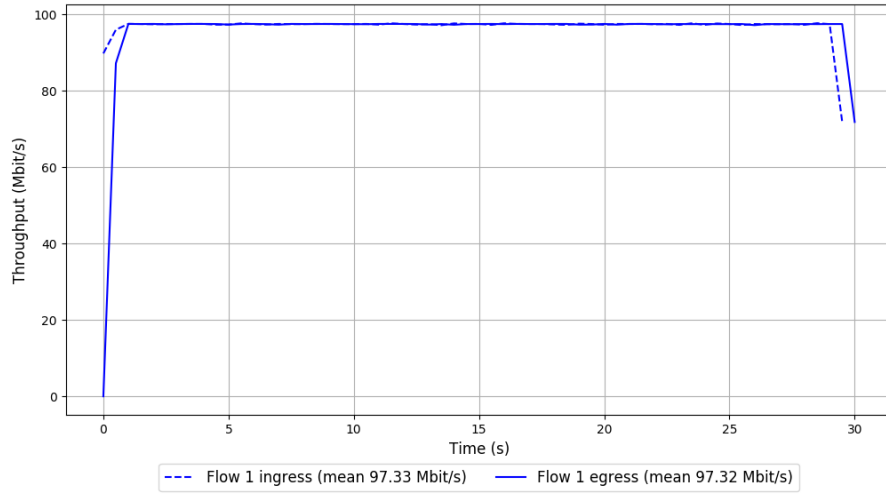
-- Flow 1:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.324 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-05-30 07:11:32

End at: 2019-05-30 07:12:02

Local clock offset: -2.981 ms

Remote clock offset: 0.635 ms

Below is generated by plot.py at 2019-05-30 07:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 3.672 ms

Loss rate: 0.01%

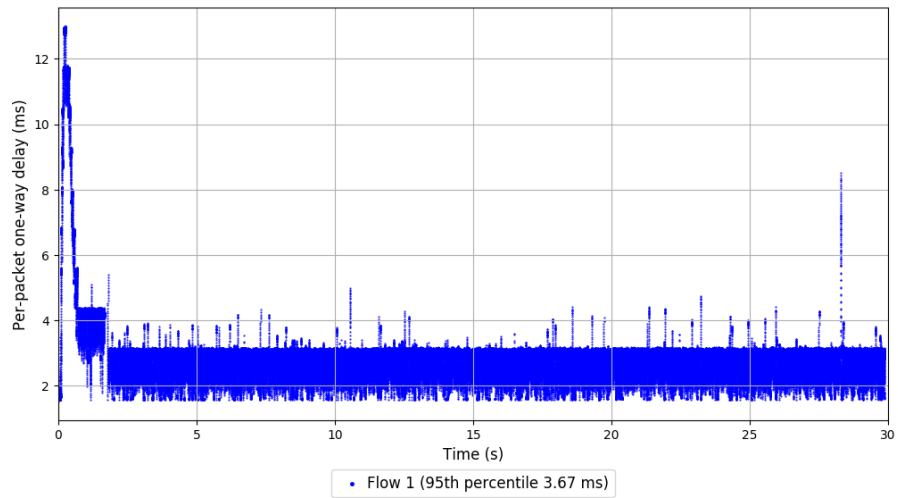
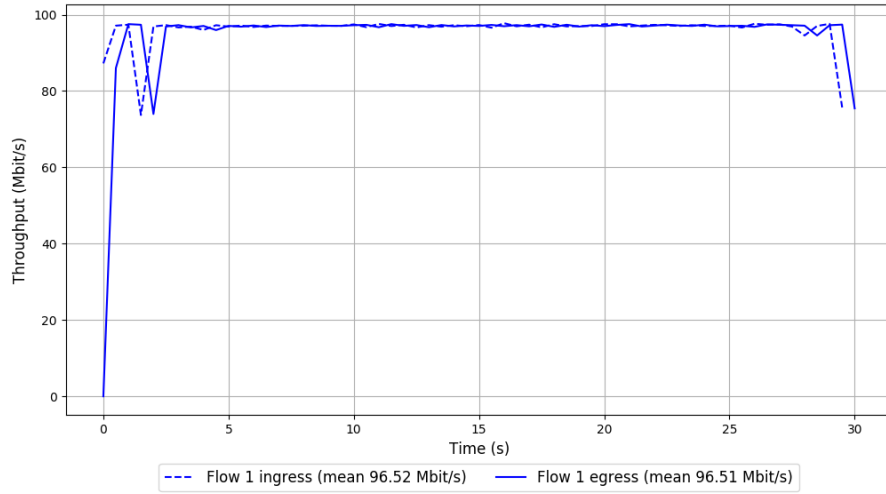
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 3.672 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

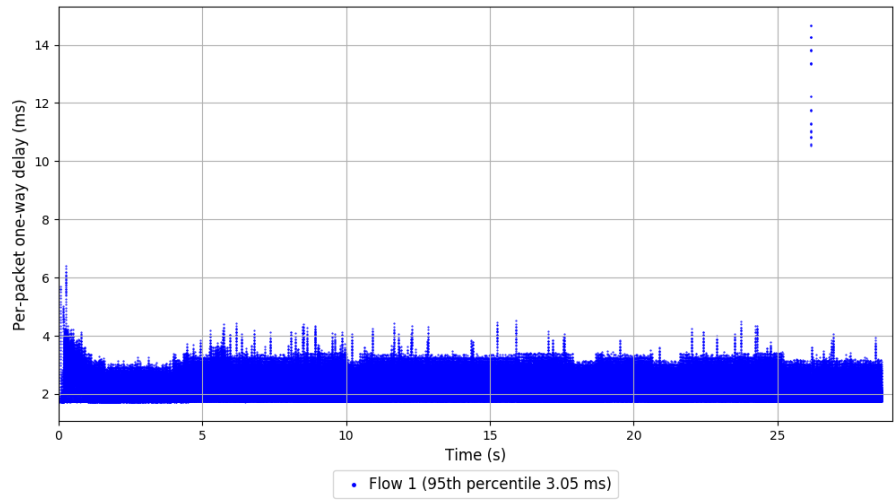
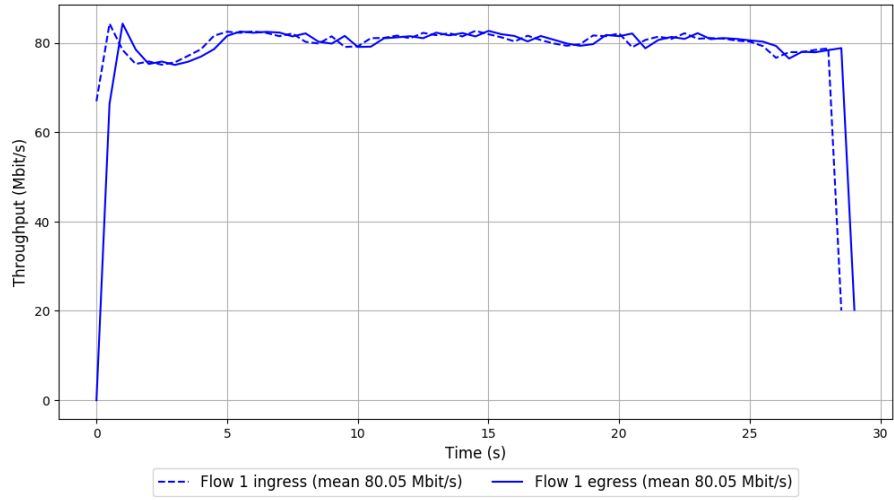


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-30 05:51:29
End at: 2019-05-30 05:51:59
Local clock offset: -5.158 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2019-05-30 07:41:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.05 Mbit/s
95th percentile per-packet one-way delay: 3.049 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.05 Mbit/s
95th percentile per-packet one-way delay: 3.049 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:15:04

End at: 2019-05-30 06:15:34

Local clock offset: -4.737 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2019-05-30 07:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 3.479 ms

Loss rate: 0.02%

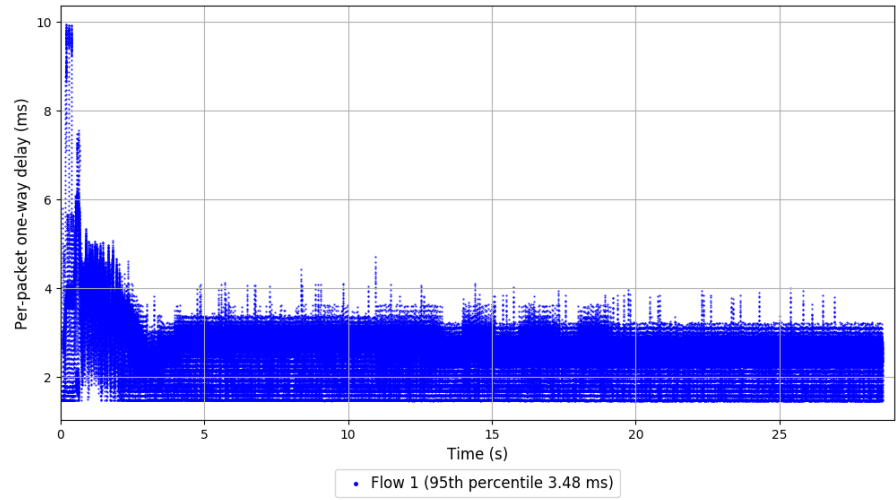
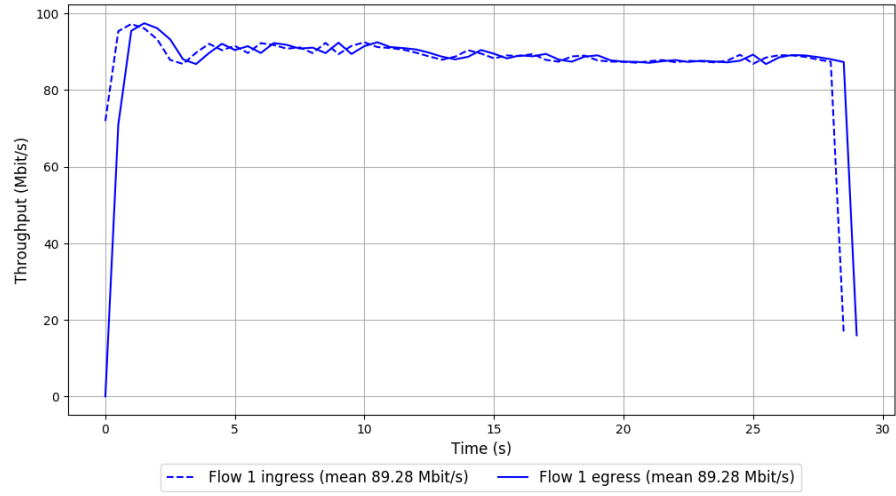
-- Flow 1:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 3.479 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:38:48

End at: 2019-05-30 06:39:18

Local clock offset: -3.989 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2019-05-30 07:41:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 3.776 ms

Loss rate: 0.01%

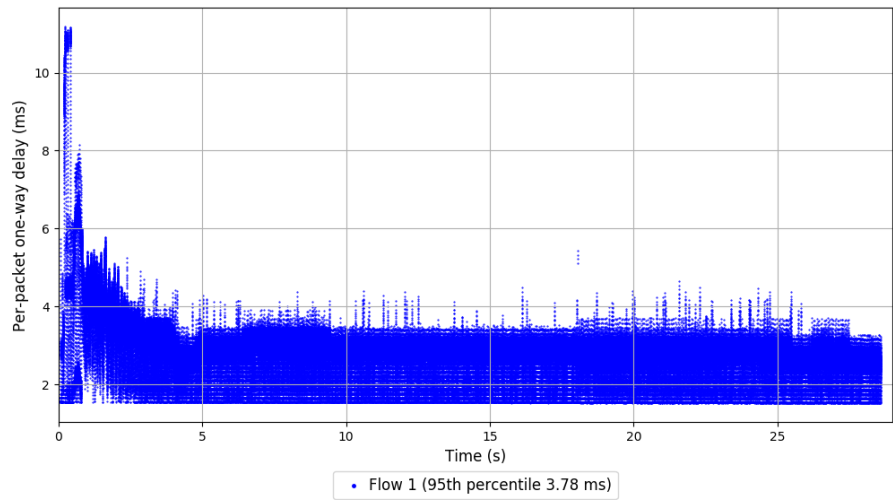
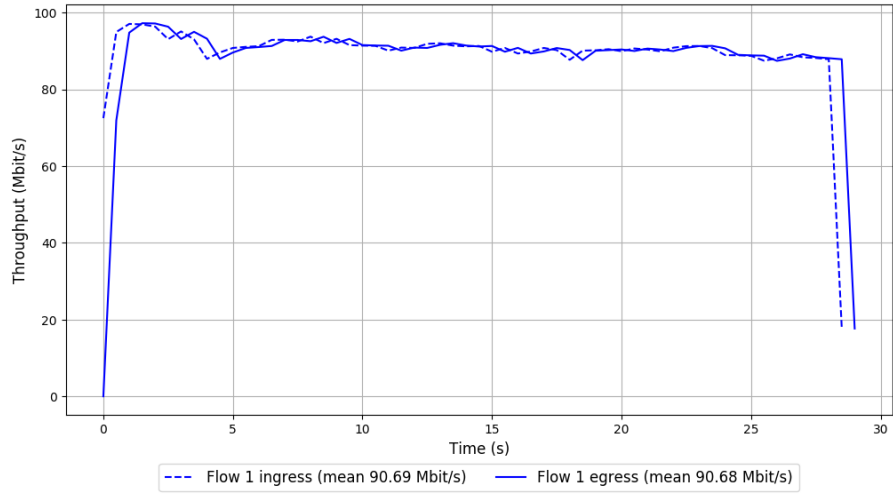
-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 3.776 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:02:30

End at: 2019-05-30 07:03:00

Local clock offset: -3.136 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2019-05-30 07:41:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 3.184 ms

Loss rate: 0.01%

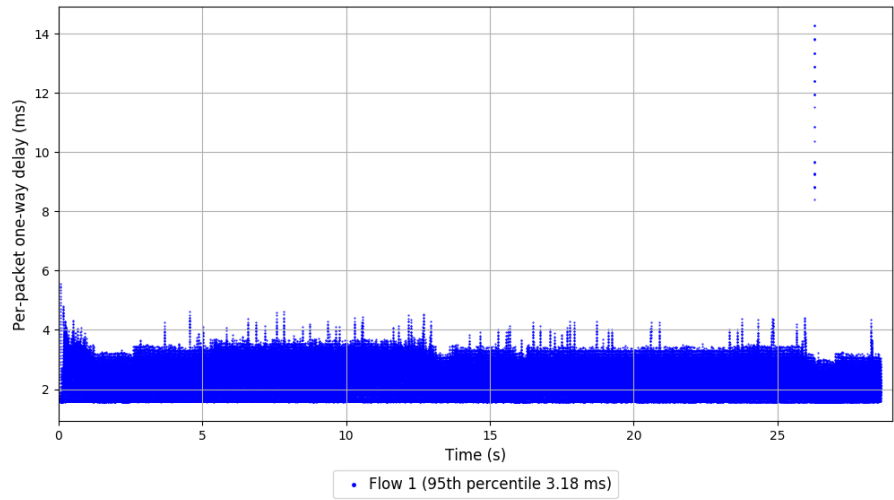
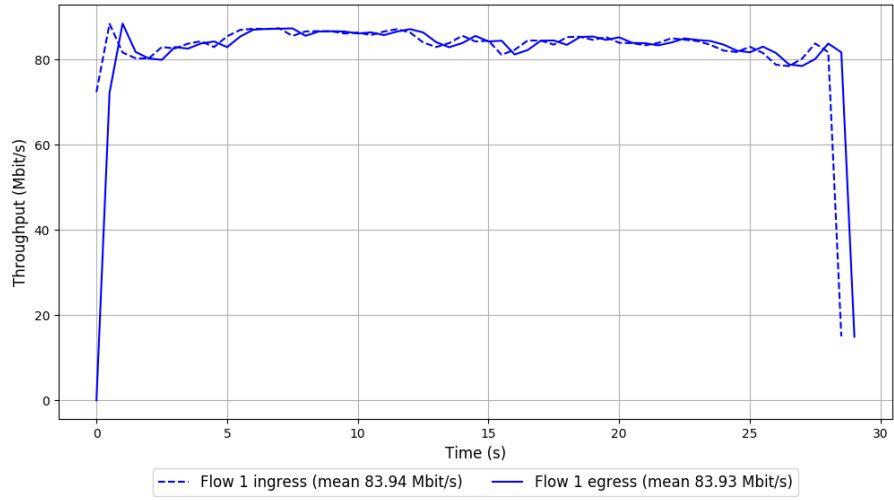
-- Flow 1:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 3.184 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:26:07

End at: 2019-05-30 07:26:37

Local clock offset: -2.968 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2019-05-30 07:42:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.21 Mbit/s

95th percentile per-packet one-way delay: 3.178 ms

Loss rate: 0.02%

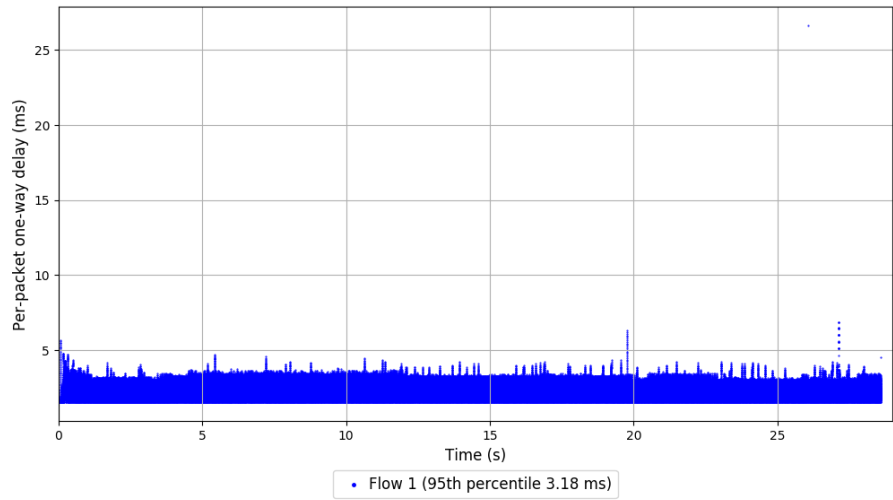
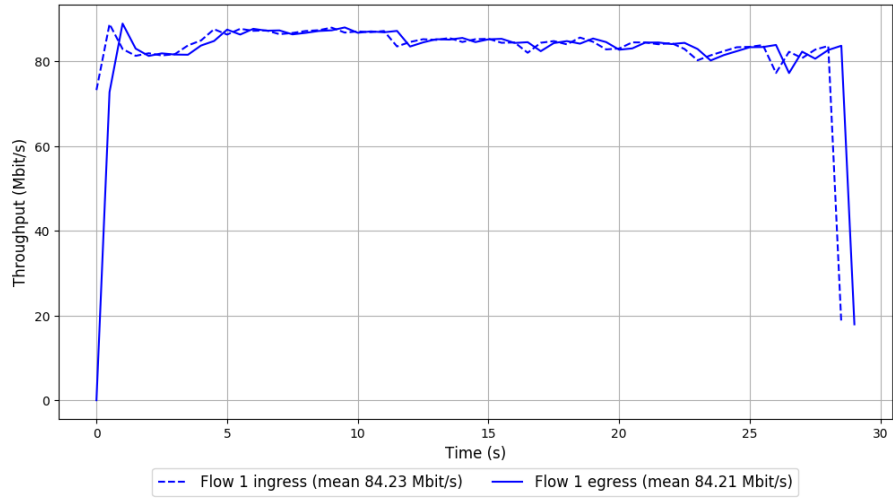
-- Flow 1:

Average throughput: 84.21 Mbit/s

95th percentile per-packet one-way delay: 3.178 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 05:47:03

End at: 2019-05-30 05:47:33

Local clock offset: -4.63 ms

Remote clock offset: -0.379 ms

Below is generated by plot.py at 2019-05-30 07:42:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 2.434 ms

Loss rate: 0.01%

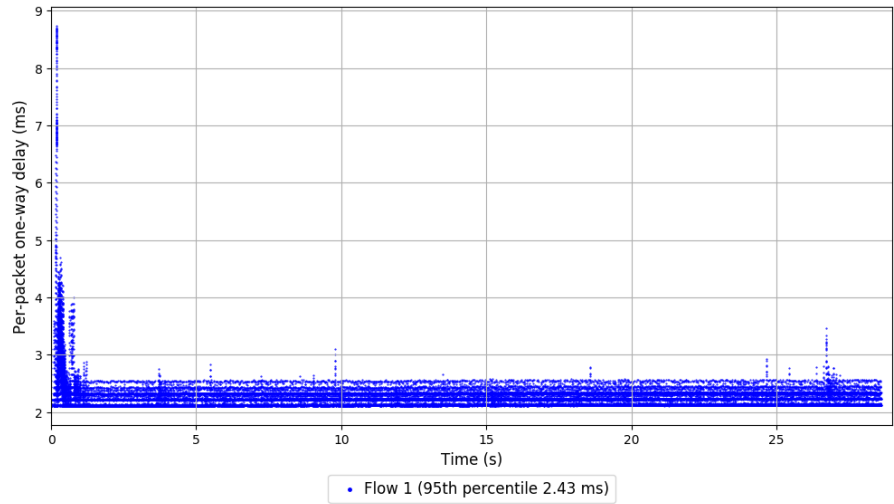
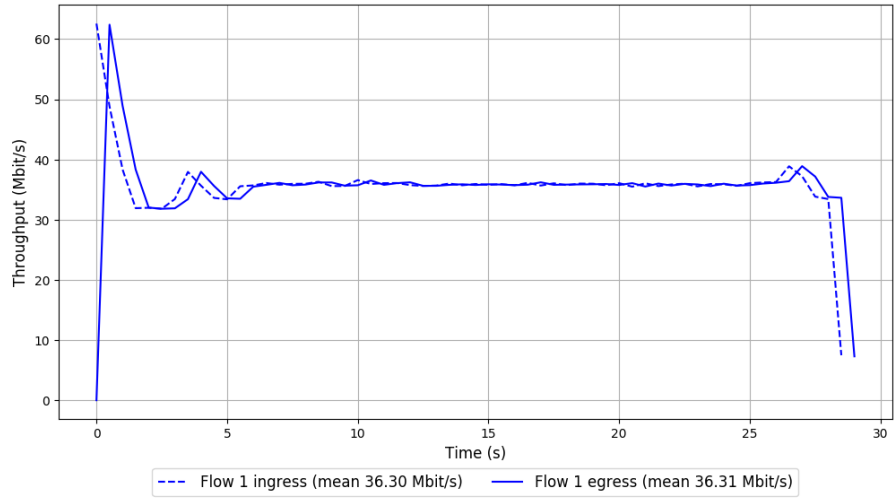
-- Flow 1:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 2.434 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:10:42

End at: 2019-05-30 06:11:12

Local clock offset: -5.037 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-05-30 07:42:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.80 Mbit/s

95th percentile per-packet one-way delay: 3.106 ms

Loss rate: 0.01%

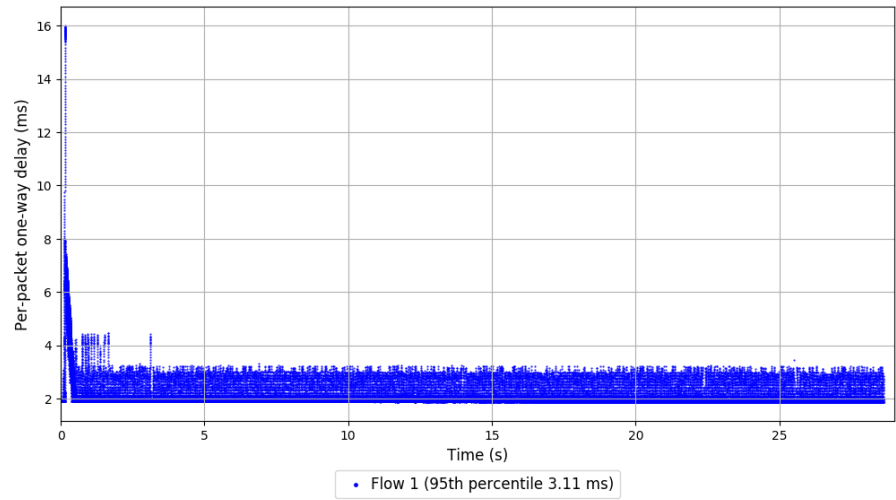
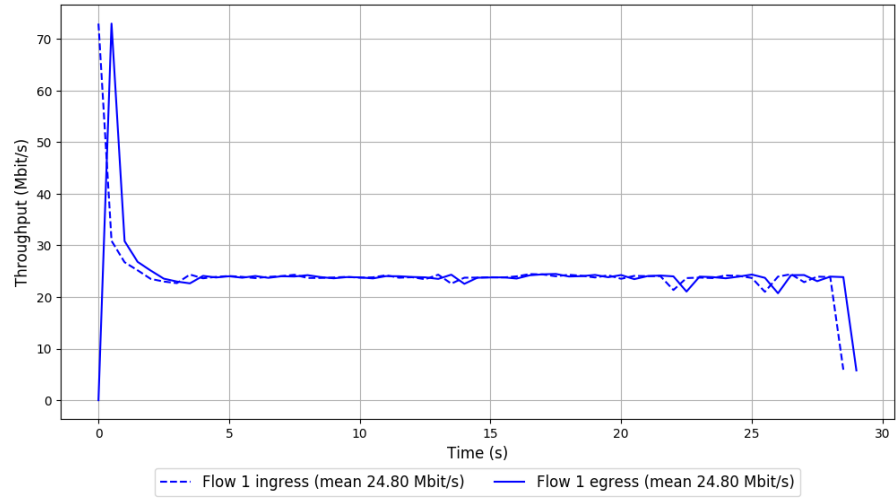
-- Flow 1:

Average throughput: 24.80 Mbit/s

95th percentile per-packet one-way delay: 3.106 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:34:21

End at: 2019-05-30 06:34:51

Local clock offset: -4.098 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2019-05-30 07:42:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.02 Mbit/s

95th percentile per-packet one-way delay: 1.985 ms

Loss rate: 0.01%

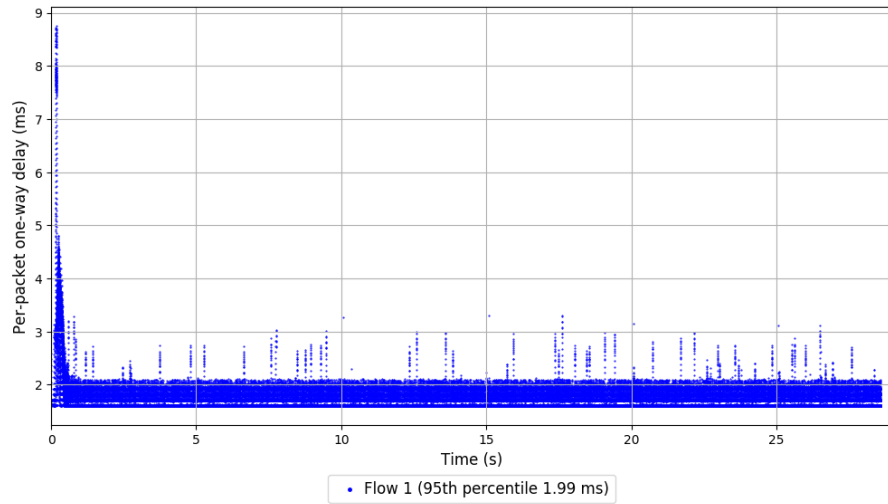
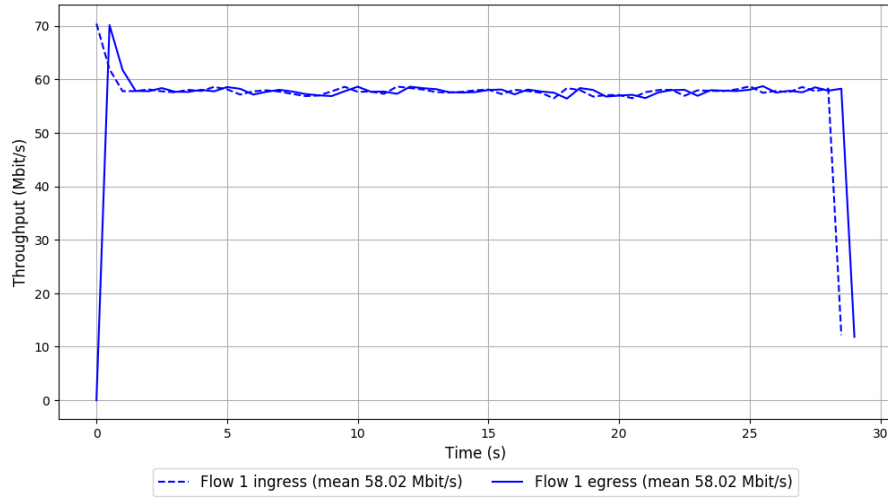
-- Flow 1:

Average throughput: 58.02 Mbit/s

95th percentile per-packet one-way delay: 1.985 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:58:04

End at: 2019-05-30 06:58:34

Local clock offset: -3.18 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2019-05-30 07:42:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.57 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.02%

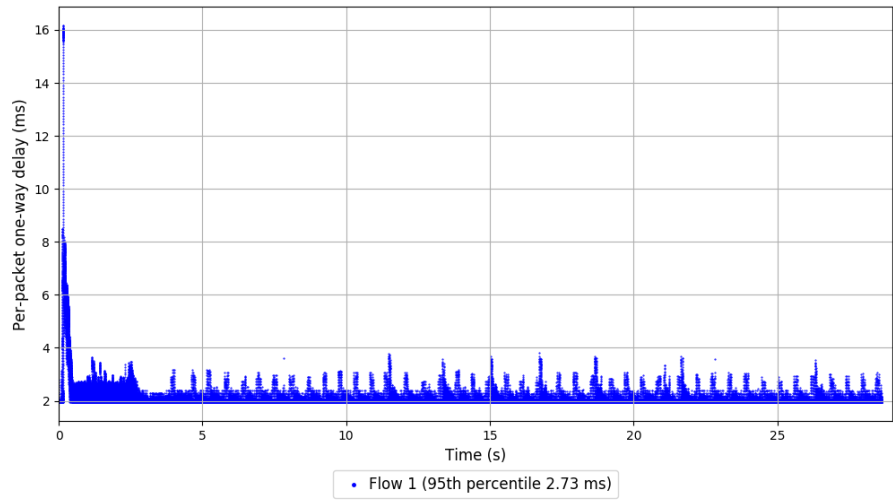
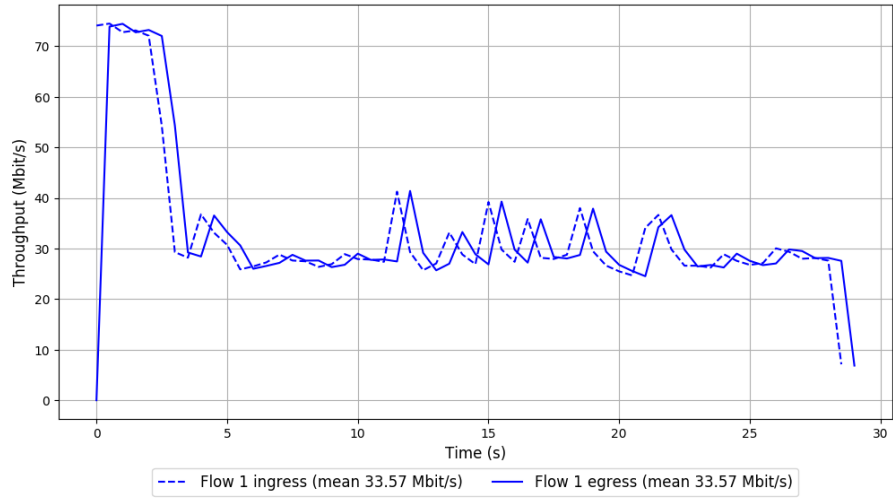
-- Flow 1:

Average throughput: 33.57 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:21:44

End at: 2019-05-30 07:22:14

Local clock offset: -3.022 ms

Remote clock offset: 0.614 ms

Below is generated by plot.py at 2019-05-30 07:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: 3.526 ms

Loss rate: 0.02%

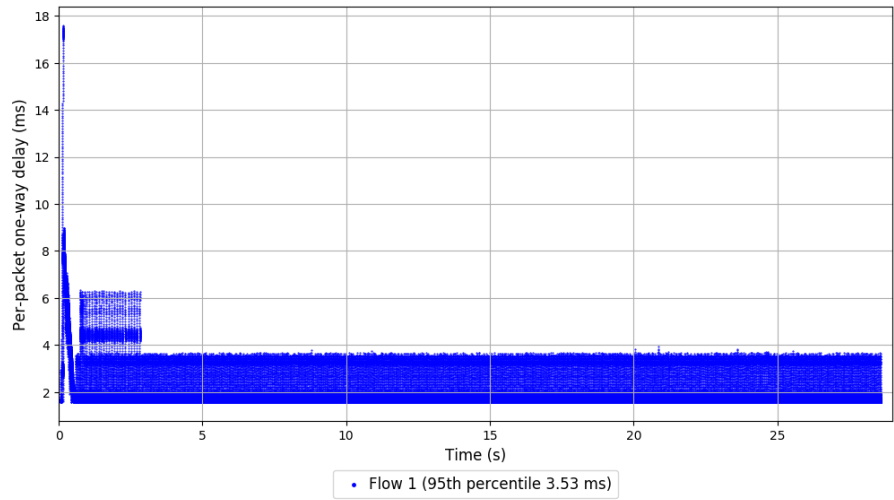
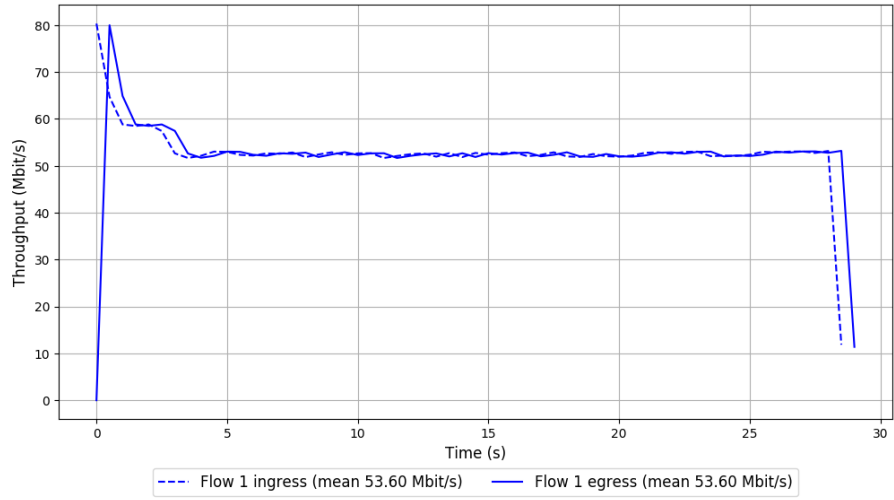
-- Flow 1:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: 3.526 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 05:52:37

End at: 2019-05-30 05:53:07

Local clock offset: -4.464 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2019-05-30 07:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 3.299 ms

Loss rate: 0.01%

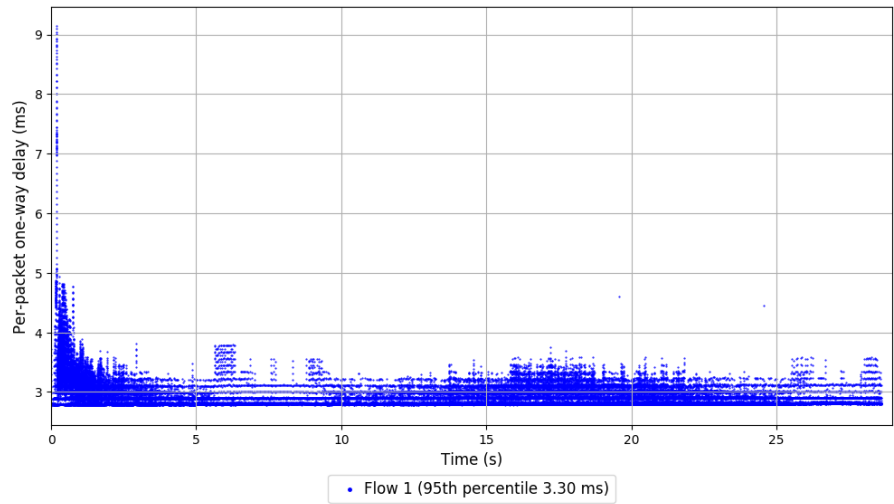
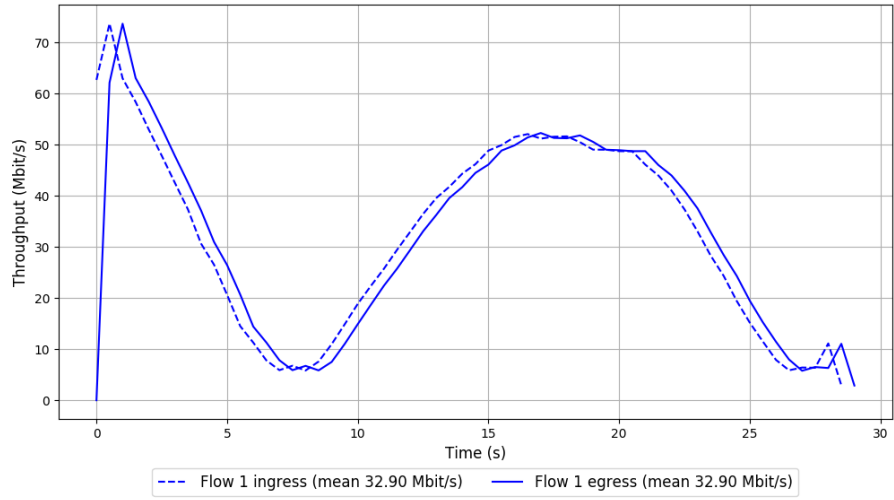
-- Flow 1:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 3.299 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:16:12

End at: 2019-05-30 06:16:42

Local clock offset: -4.067 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-05-30 07:42:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 5.339 ms

Loss rate: 0.01%

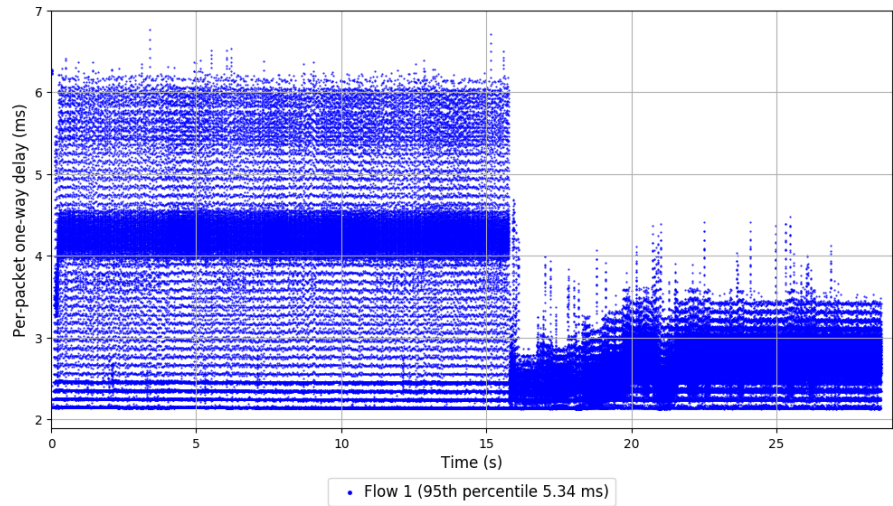
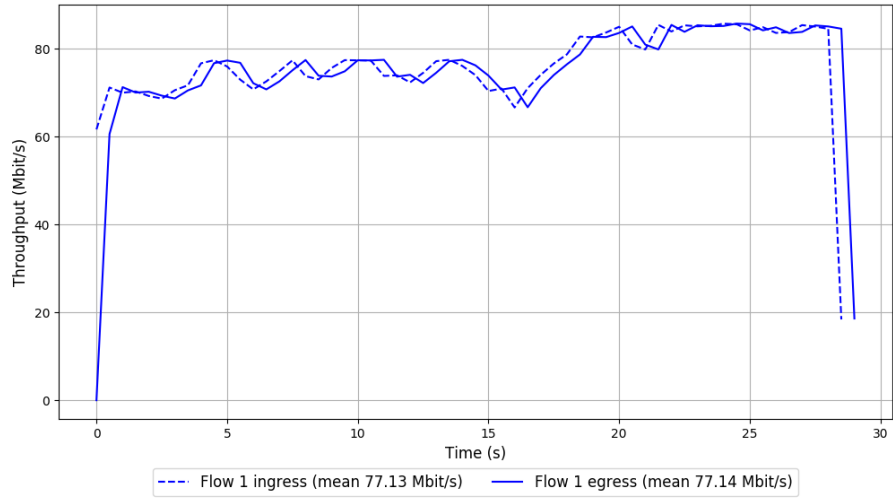
-- Flow 1:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 5.339 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:39:55

End at: 2019-05-30 06:40:26

Local clock offset: -3.896 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2019-05-30 07:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 3.358 ms

Loss rate: 0.02%

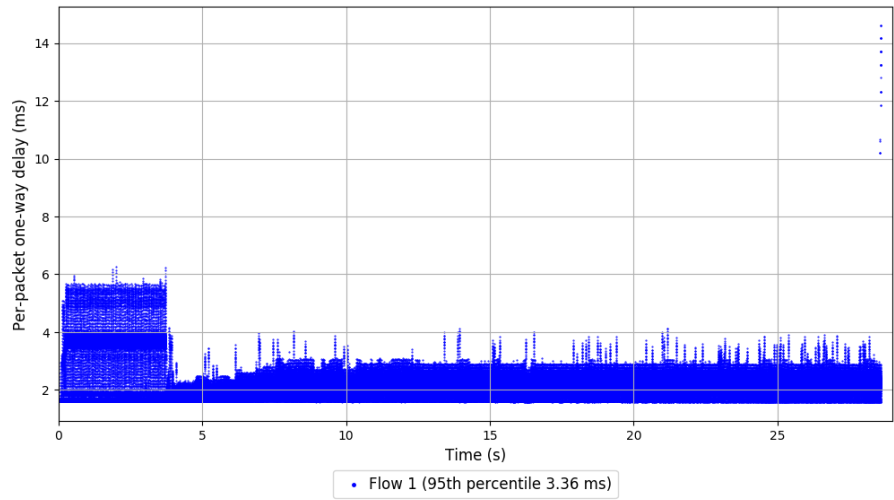
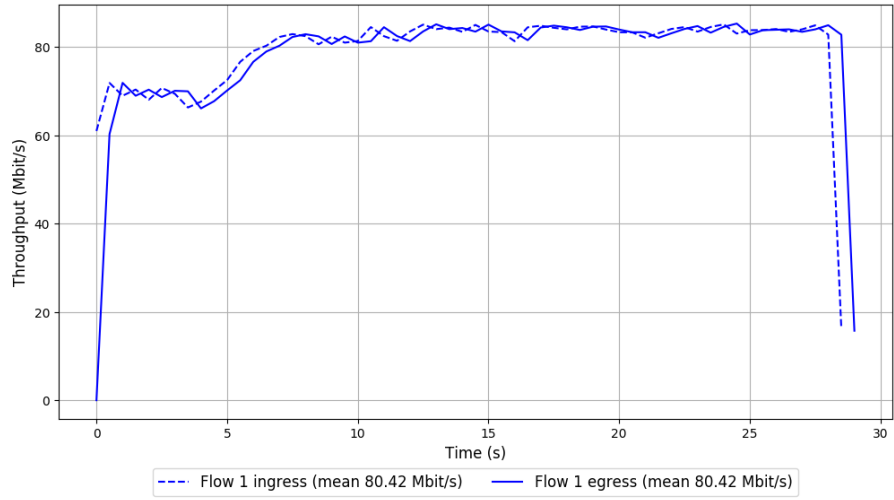
-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 3.358 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:03:37

End at: 2019-05-30 07:04:07

Local clock offset: -3.042 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2019-05-30 07:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 2.388 ms

Loss rate: 0.00%

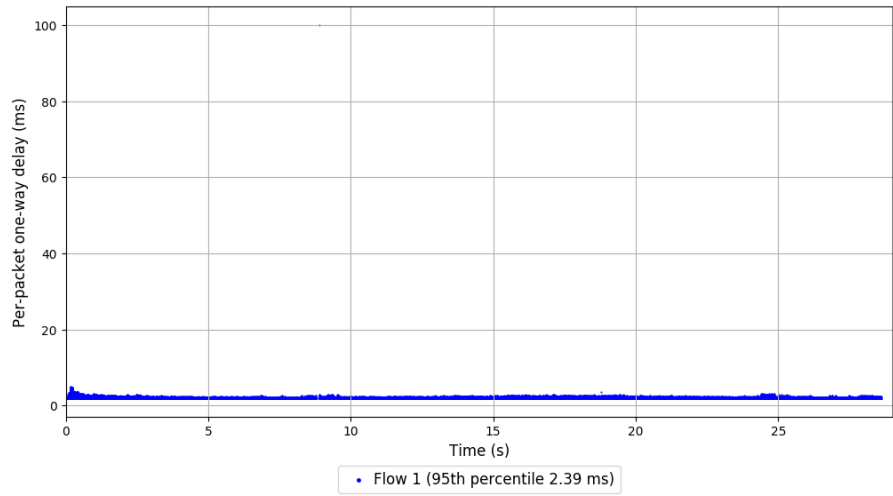
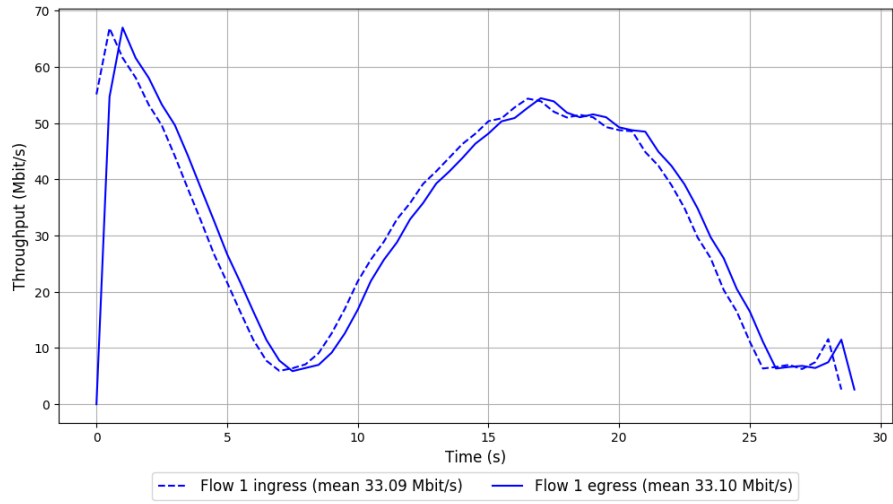
-- Flow 1:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 2.388 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:27:15

End at: 2019-05-30 07:27:45

Local clock offset: -2.898 ms

Remote clock offset: 0.701 ms

Below is generated by plot.py at 2019-05-30 07:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.66 Mbit/s

95th percentile per-packet one-way delay: 4.446 ms

Loss rate: 0.02%

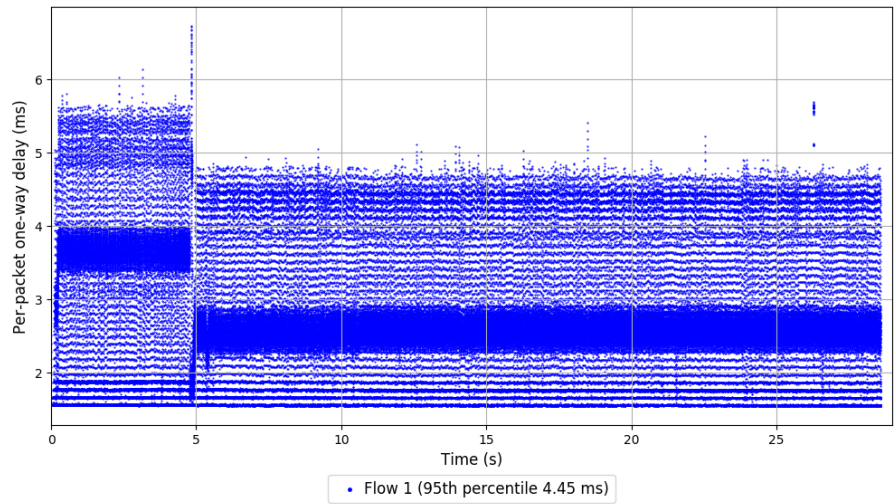
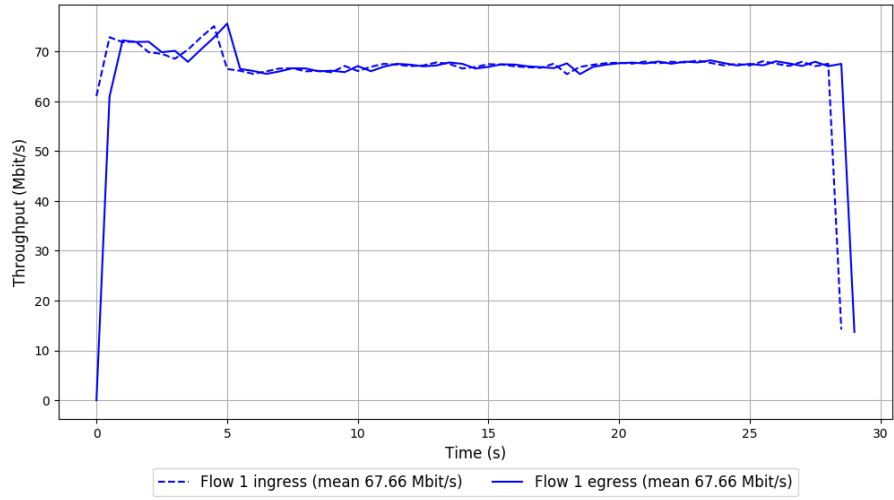
-- Flow 1:

Average throughput: 67.66 Mbit/s

95th percentile per-packet one-way delay: 4.446 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-05-30 05:56:04

End at: 2019-05-30 05:56:34

Local clock offset: -4.488 ms

Remote clock offset: -0.289 ms

Below is generated by plot.py at 2019-05-30 07:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 3.523 ms

Loss rate: 0.01%

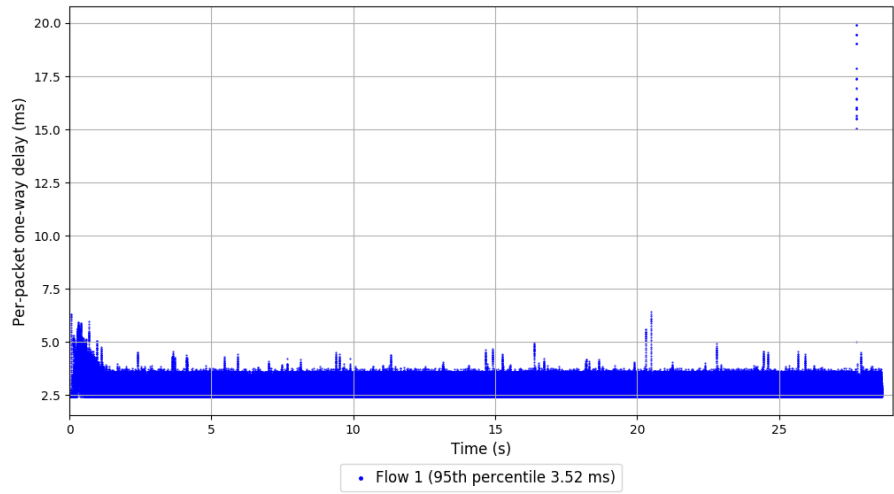
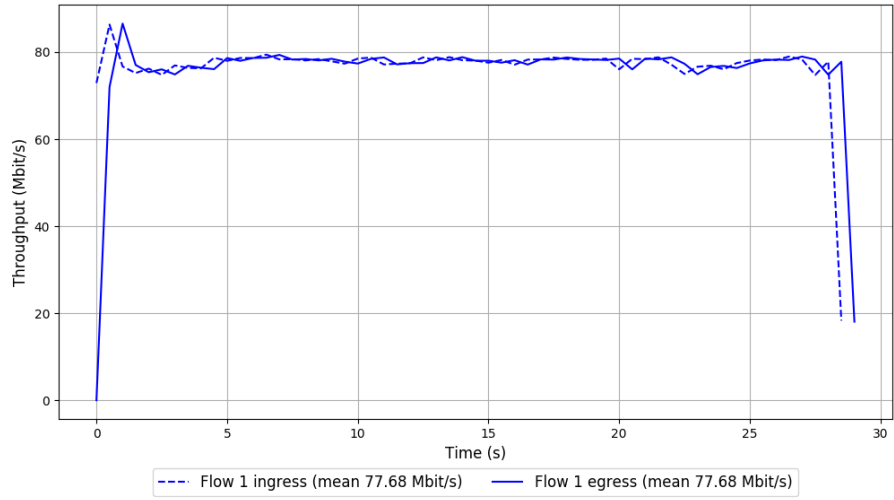
-- Flow 1:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 3.523 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-05-30 06:19:41

End at: 2019-05-30 06:20:11

Local clock offset: -4.453 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-05-30 07:43:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.78 Mbit/s

95th percentile per-packet one-way delay: 2.875 ms

Loss rate: 0.01%

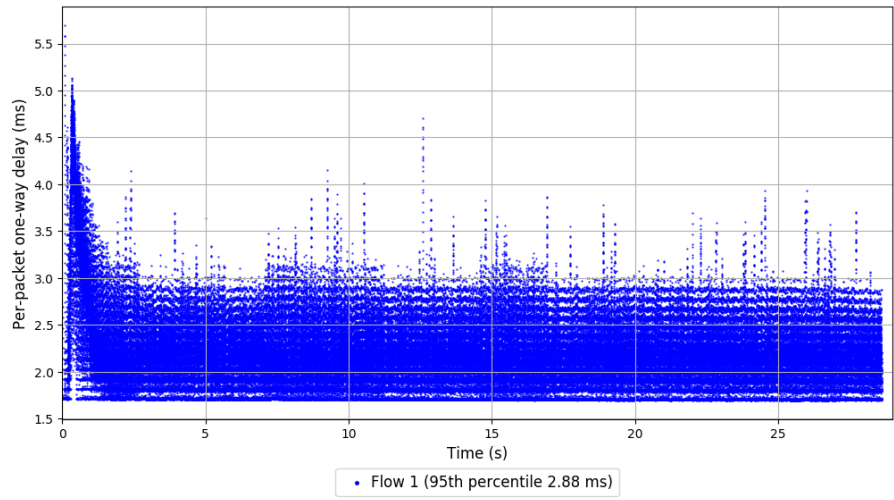
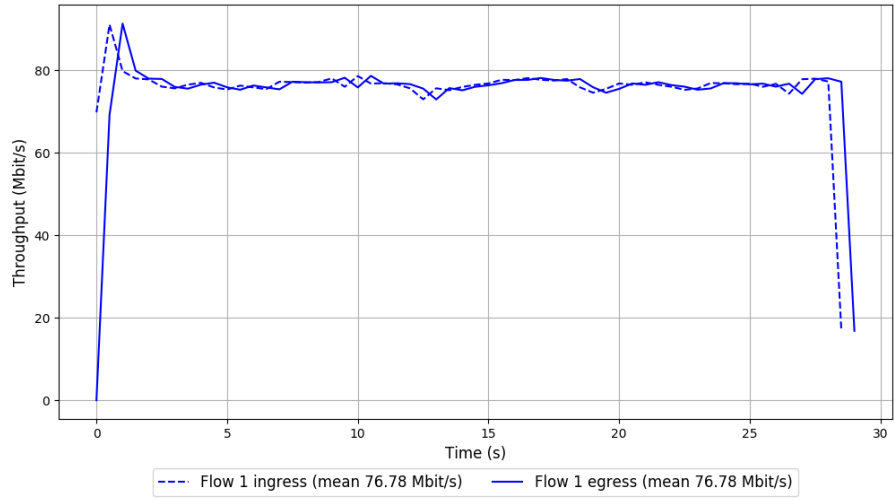
-- Flow 1:

Average throughput: 76.78 Mbit/s

95th percentile per-packet one-way delay: 2.875 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:43:24

End at: 2019-05-30 06:43:54

Local clock offset: -3.226 ms

Remote clock offset: 0.415 ms

Below is generated by plot.py at 2019-05-30 07:43:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 3.135 ms

Loss rate: 0.01%

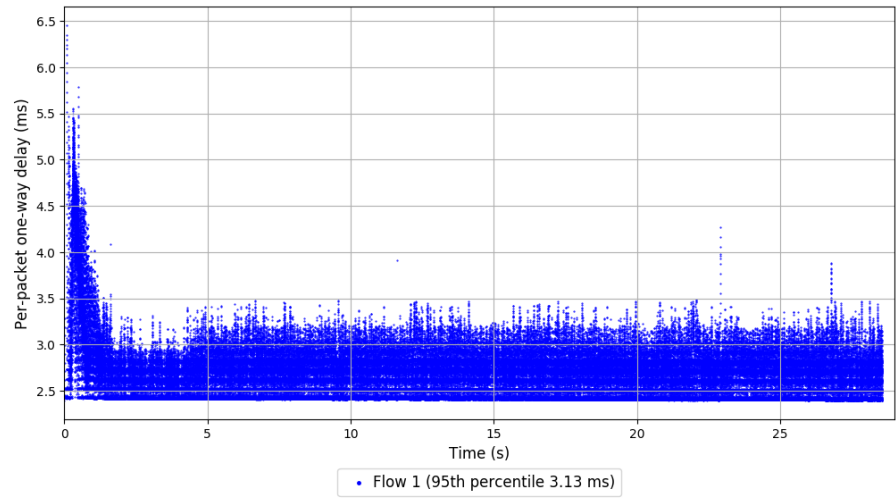
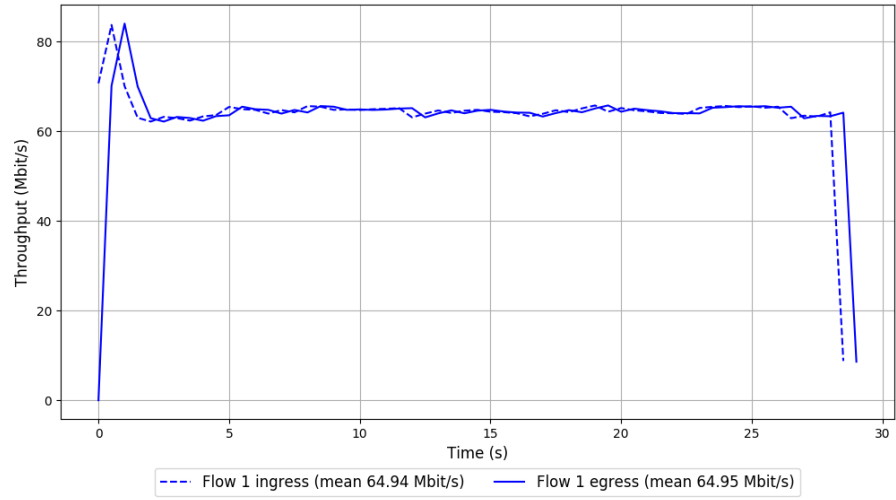
-- Flow 1:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 3.135 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-30 07:07:04

End at: 2019-05-30 07:07:34

Local clock offset: -2.972 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2019-05-30 07:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 2.740 ms

Loss rate: 0.01%

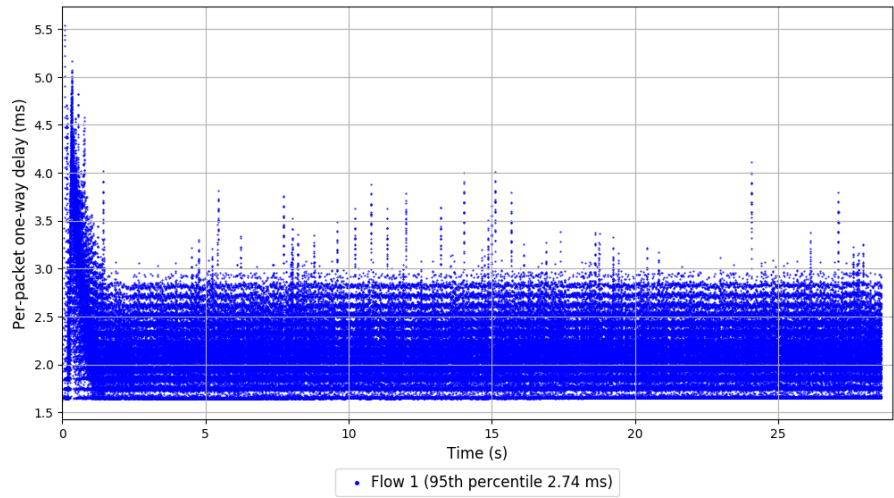
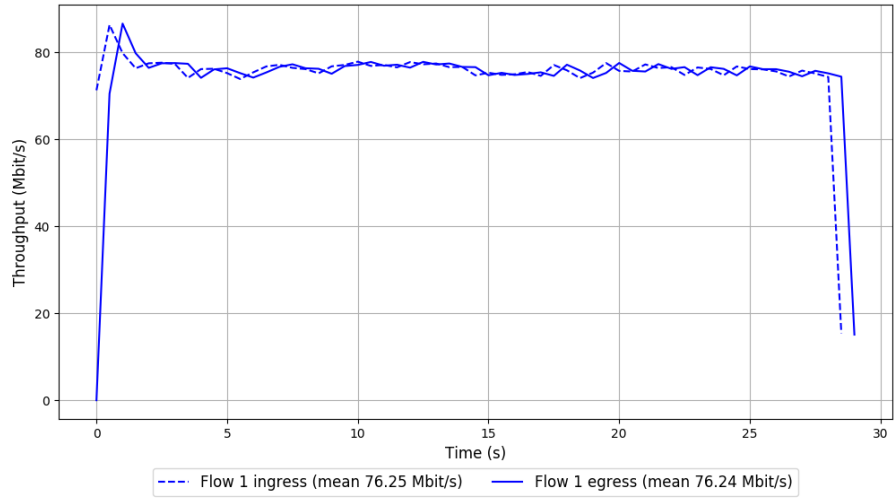
-- Flow 1:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 2.740 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-30 07:30:43

End at: 2019-05-30 07:31:13

Local clock offset: -2.325 ms

Remote clock offset: 0.639 ms

Below is generated by plot.py at 2019-05-30 07:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.00 Mbit/s

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

Loss rate: 0.01%

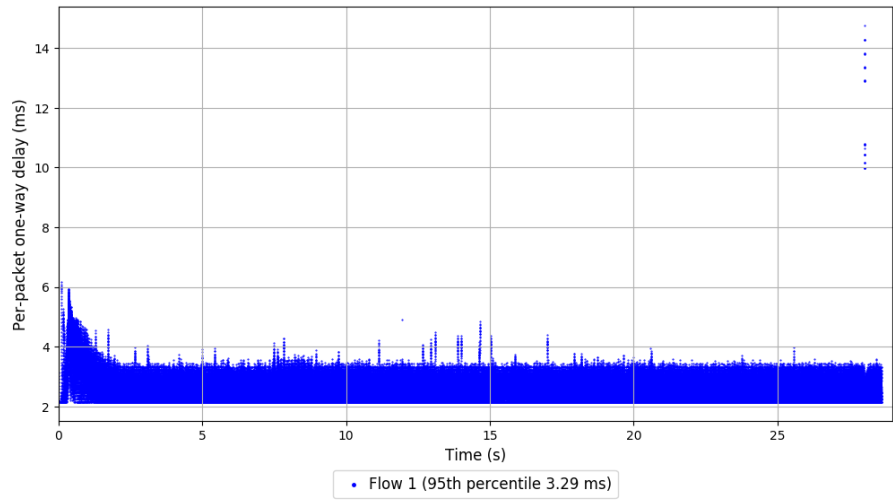
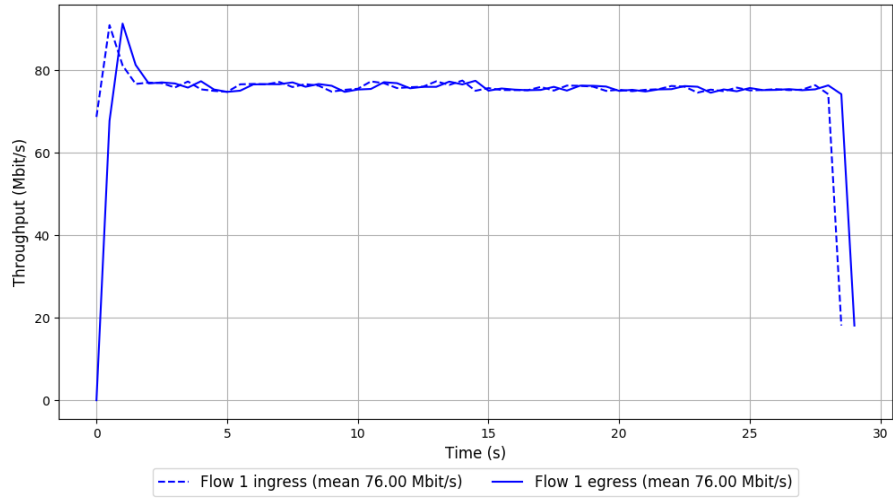
-- Flow 1:

Average throughput: 76.00 Mbit/s

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

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

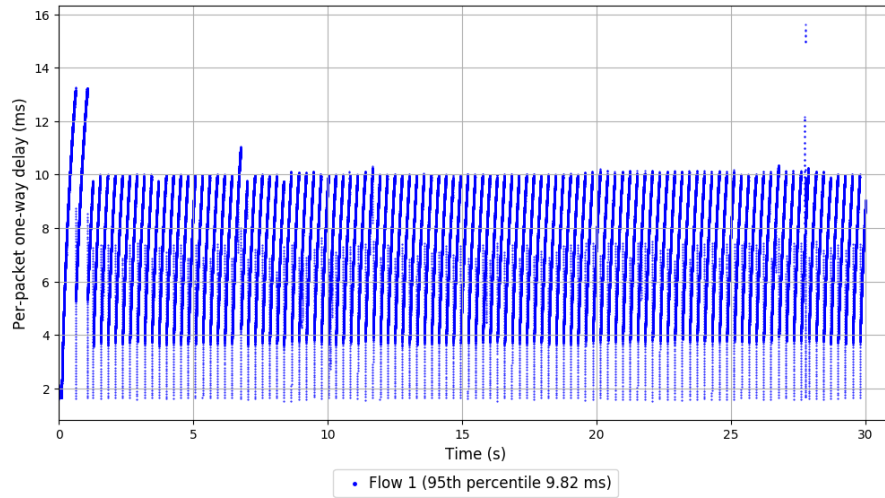
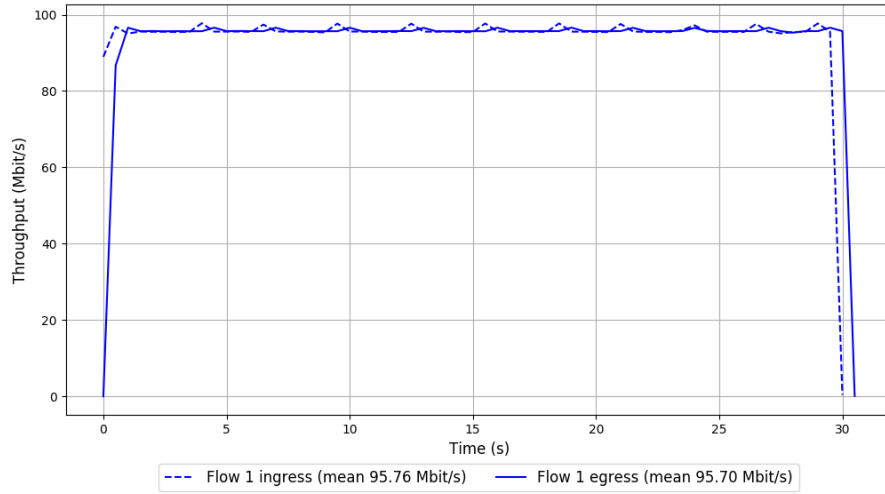


Run 1: Statistics of LEDBAT

Start at: 2019-05-30 05:43:38
End at: 2019-05-30 05:44:08
Local clock offset: -5.006 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2019-05-30 07:43:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 9.817 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 9.817 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link

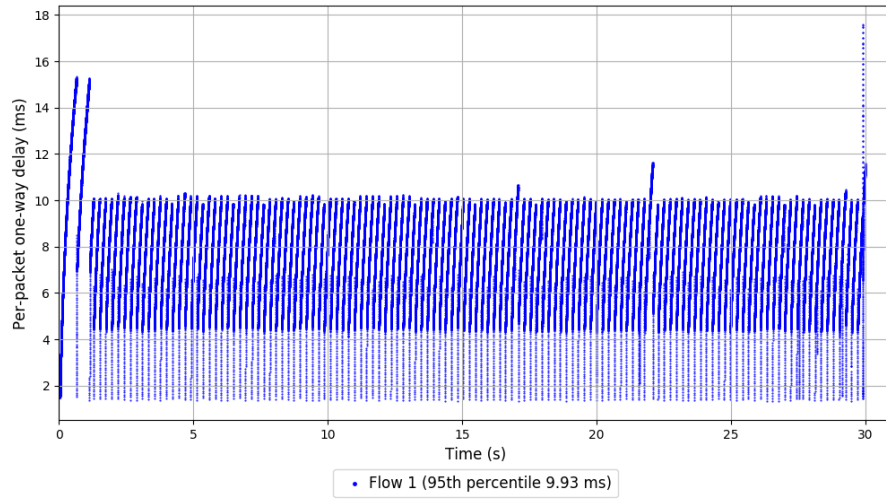
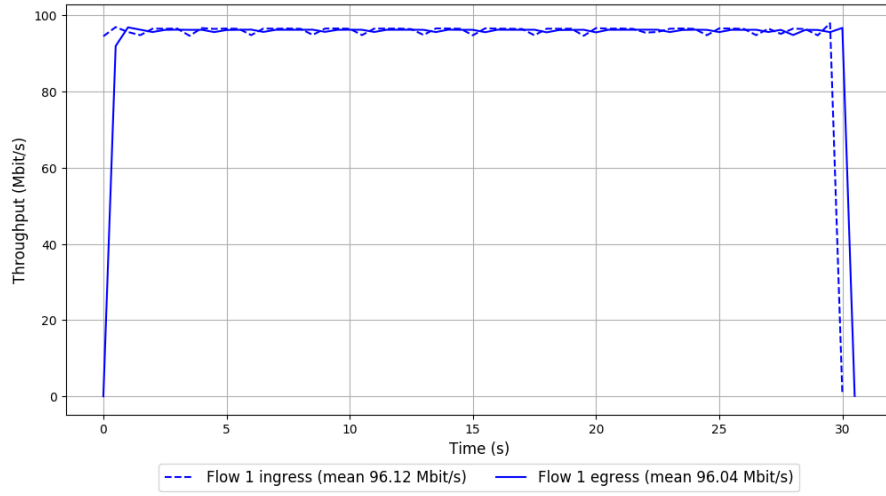


Run 2: Statistics of LEDBAT

Start at: 2019-05-30 06:07:19
End at: 2019-05-30 06:07:49
Local clock offset: -5.356 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-05-30 07:43:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.10%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-05-30 06:30:56

End at: 2019-05-30 06:31:26

Local clock offset: -4.43 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2019-05-30 07:43:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 9.851 ms

Loss rate: 0.07%

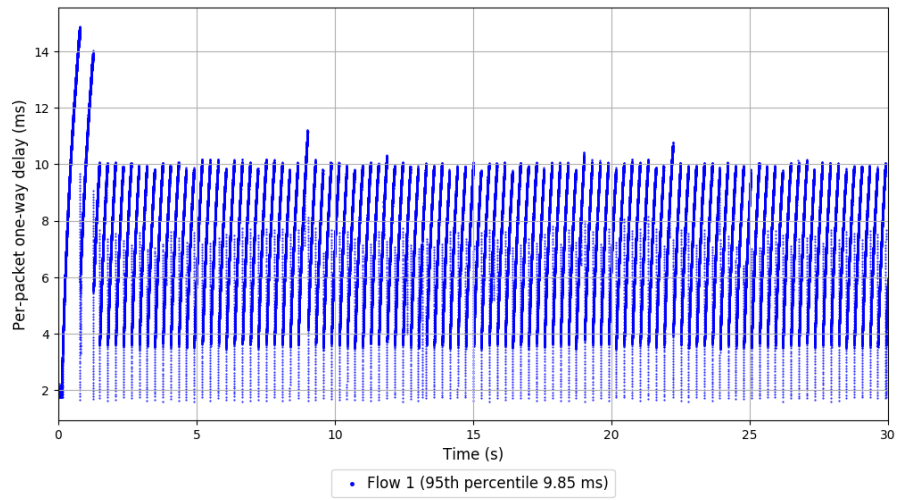
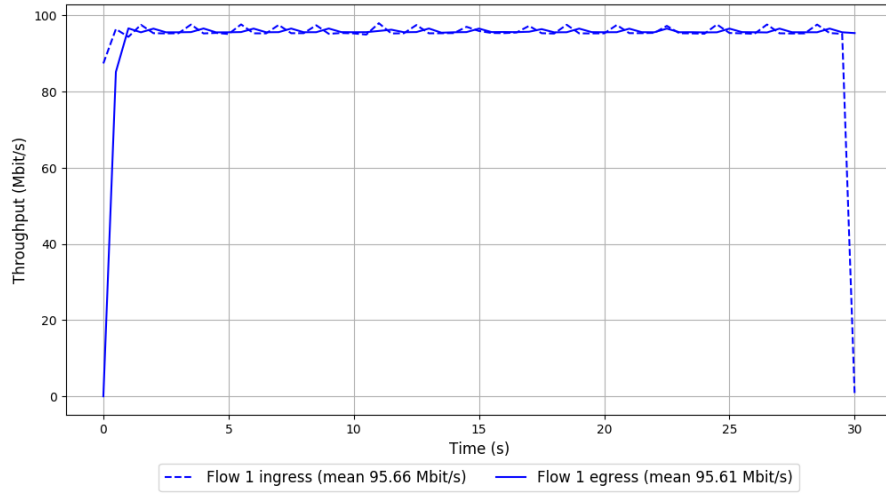
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 9.851 ms

Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-05-30 06:54:39

End at: 2019-05-30 06:55:09

Local clock offset: -2.73 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2019-05-30 07:44:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 10.415 ms

Loss rate: 0.06%

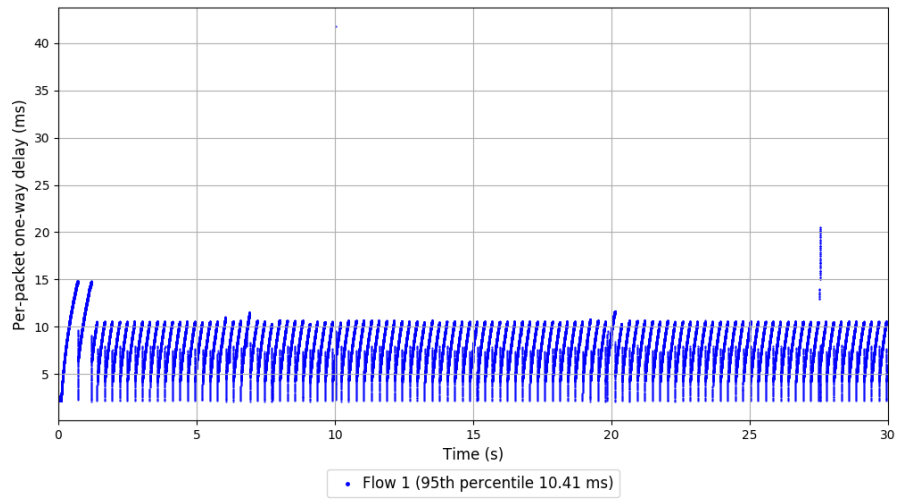
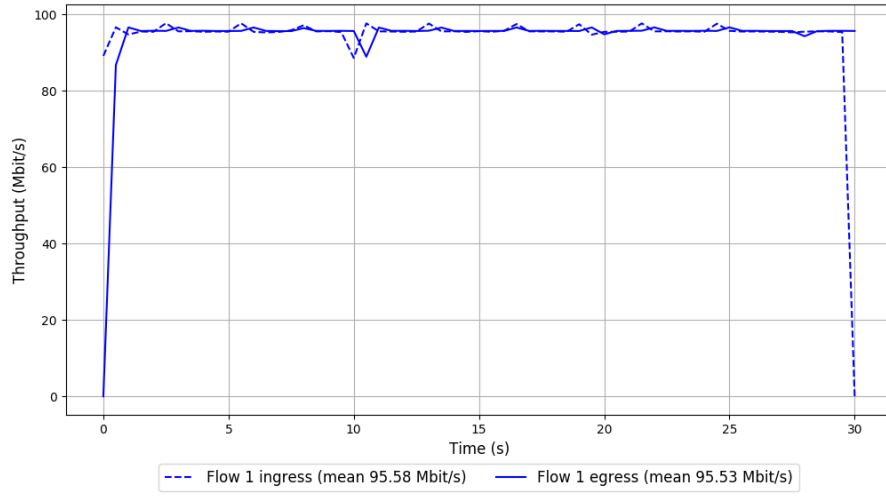
-- Flow 1:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 10.415 ms

Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-05-30 07:18:19

End at: 2019-05-30 07:18:49

Local clock offset: -2.982 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2019-05-30 07:44:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 10.180 ms

Loss rate: 0.08%

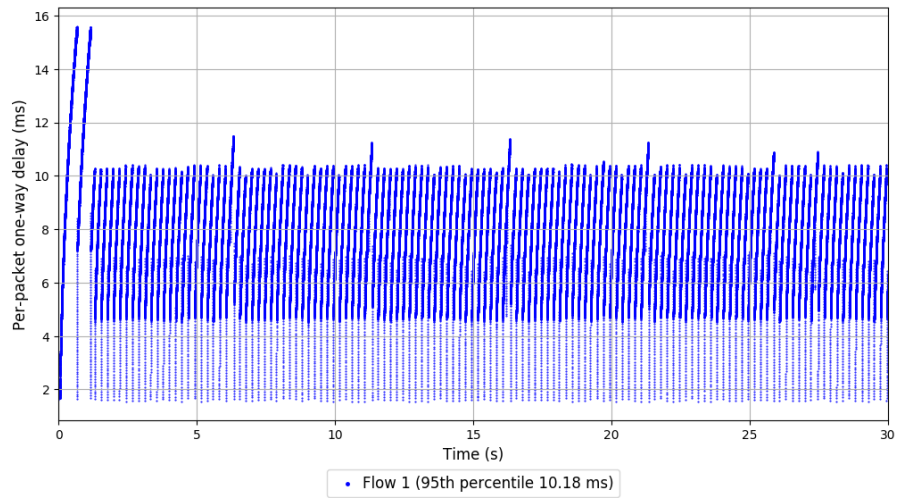
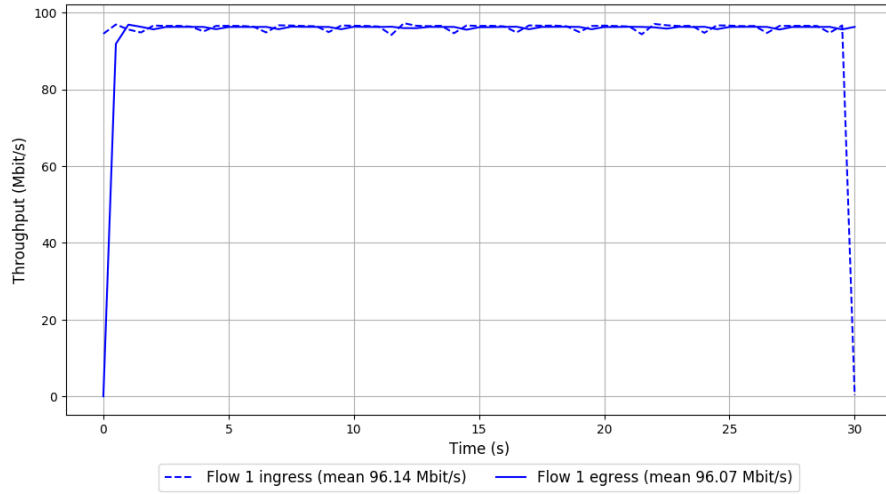
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 10.180 ms

Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 05:38:00

End at: 2019-05-30 05:38:30

Local clock offset: -4.232 ms

Remote clock offset: -0.442 ms

Below is generated by plot.py at 2019-05-30 07:44:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 2.806 ms

Loss rate: 0.01%

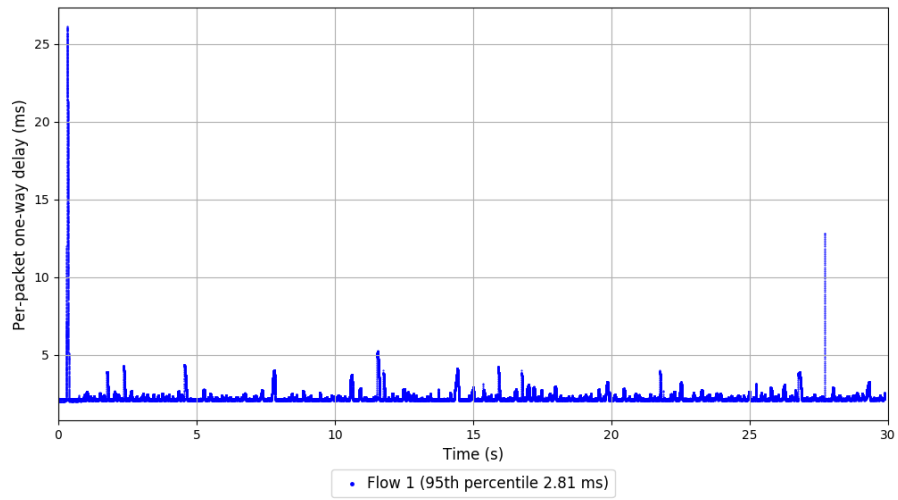
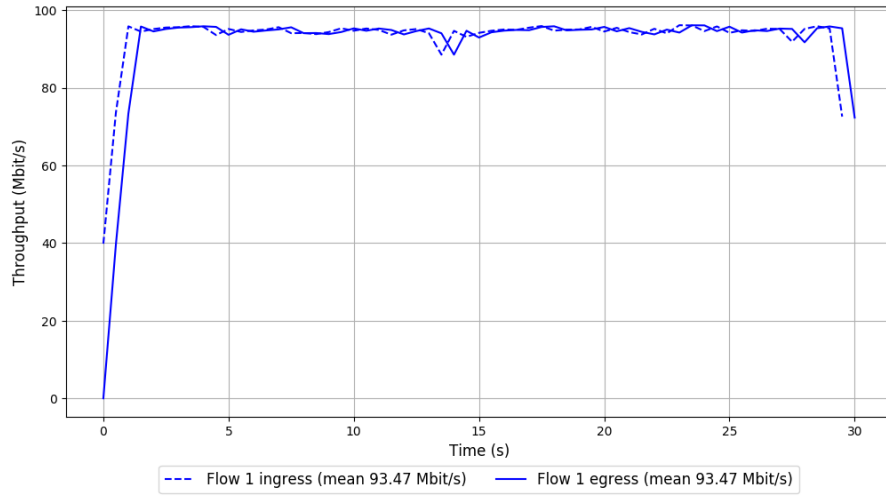
-- Flow 1:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 2.806 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 06:01:41

End at: 2019-05-30 06:02:11

Local clock offset: -4.532 ms

Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-05-30 07:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 3.388 ms

Loss rate: 0.01%

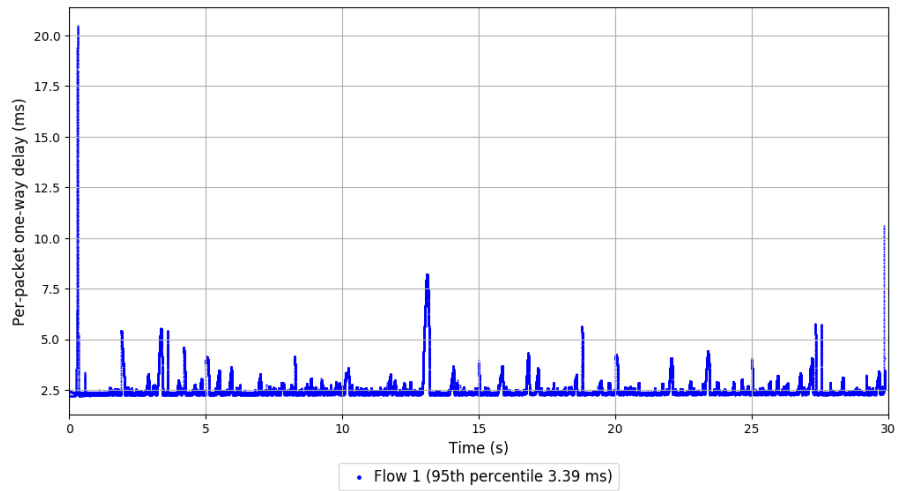
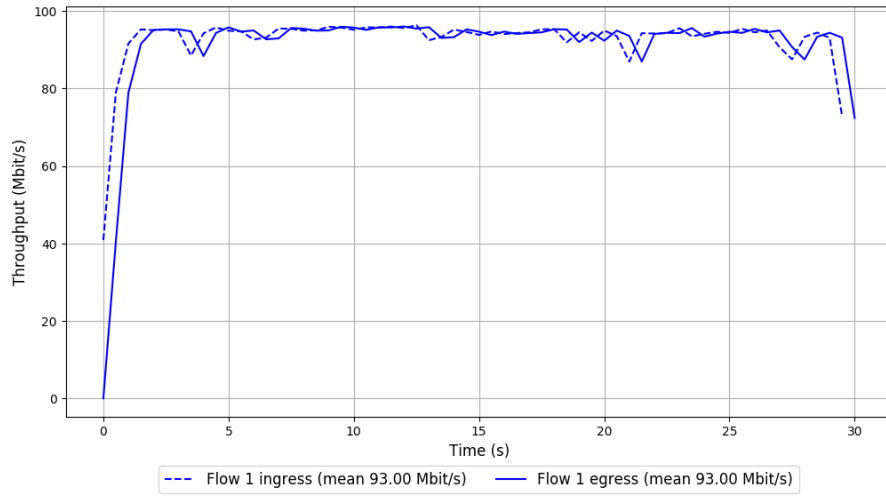
-- Flow 1:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 3.388 ms

Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 06:25:18

End at: 2019-05-30 06:25:48

Local clock offset: -3.833 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2019-05-30 07:44:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 2.924 ms

Loss rate: 0.01%

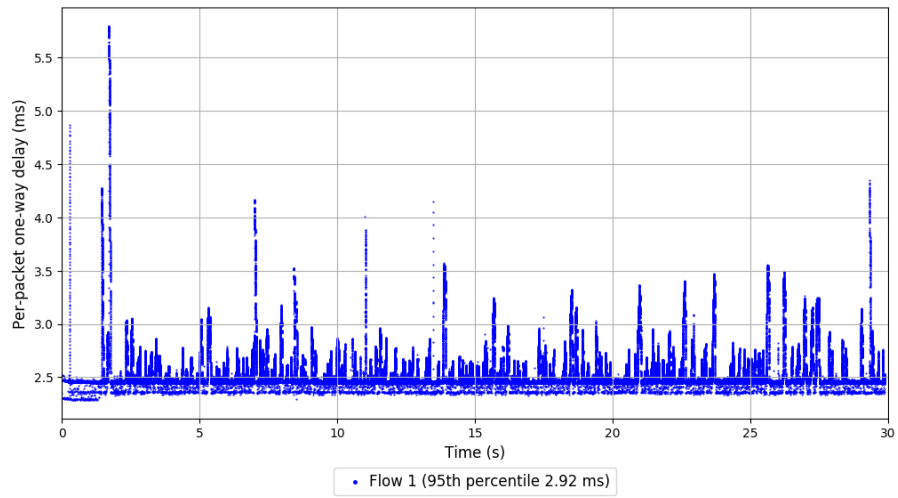
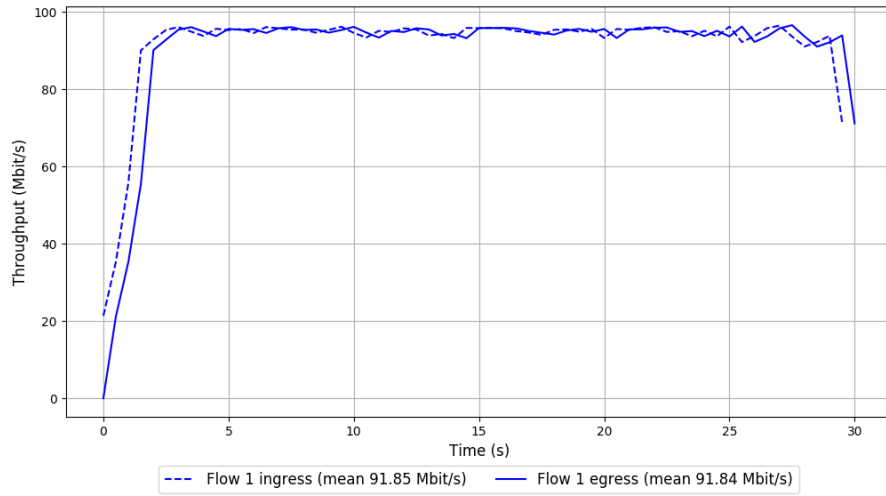
-- Flow 1:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 2.924 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 06:49:01

End at: 2019-05-30 06:49:31

Local clock offset: -3.436 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2019-05-30 07:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 2.709 ms

Loss rate: 0.01%

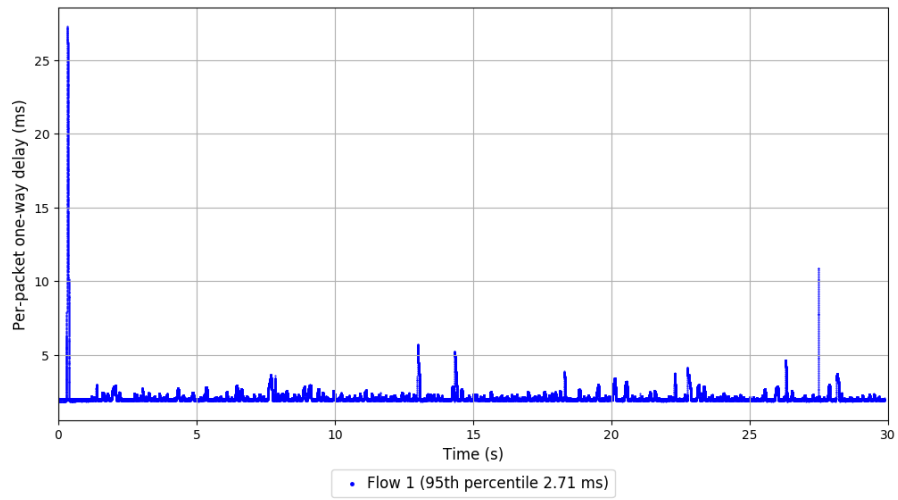
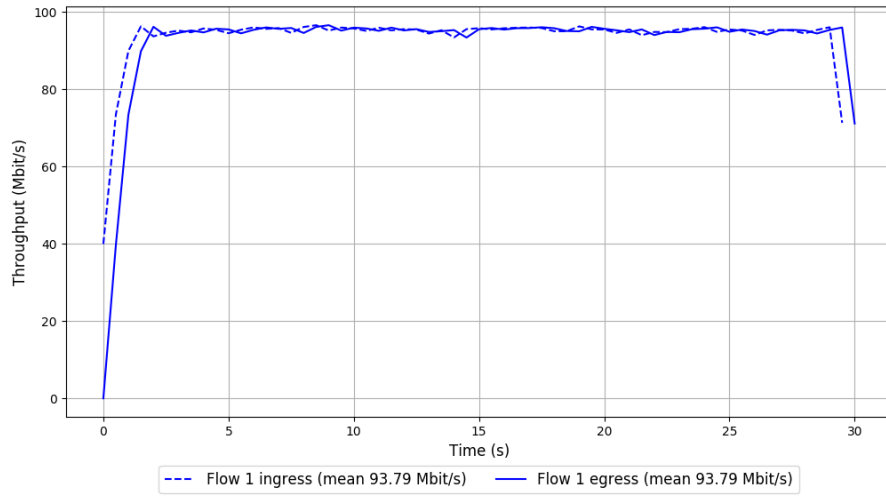
-- Flow 1:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 2.709 ms

Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 07:12:41

End at: 2019-05-30 07:13:11

Local clock offset: -2.99 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2019-05-30 07:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 2.469 ms

Loss rate: 0.01%

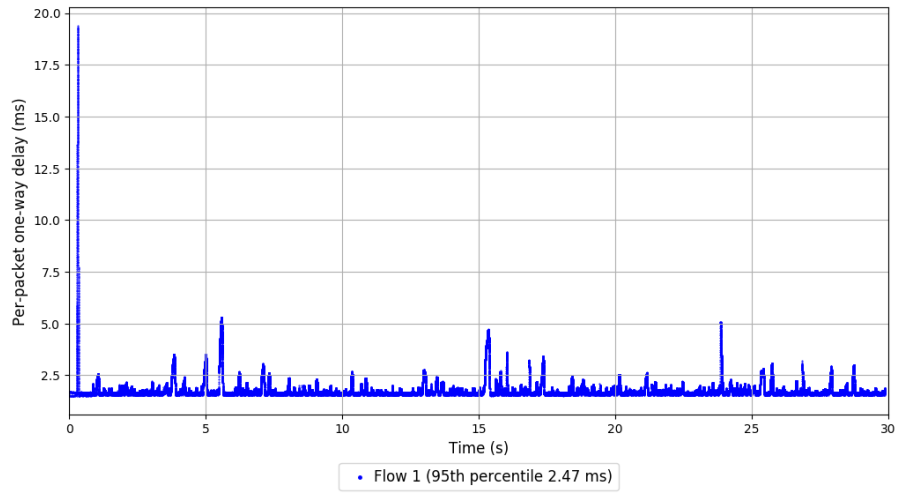
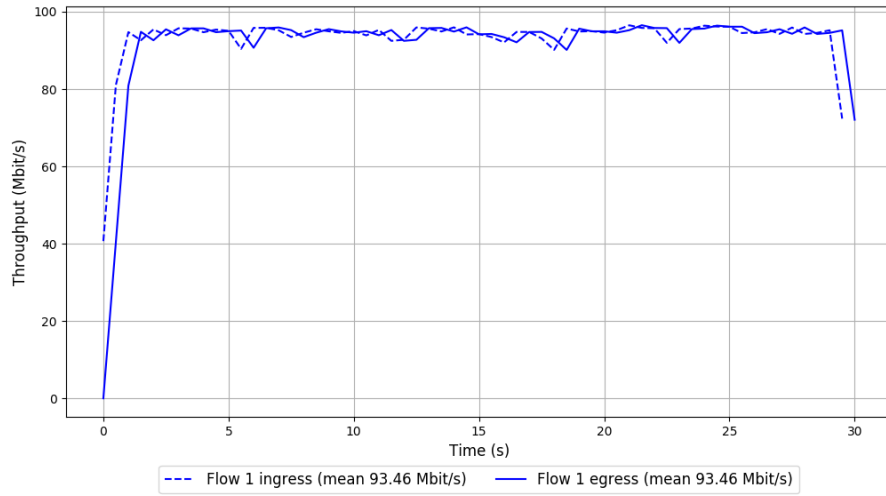
-- Flow 1:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 2.469 ms

Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link

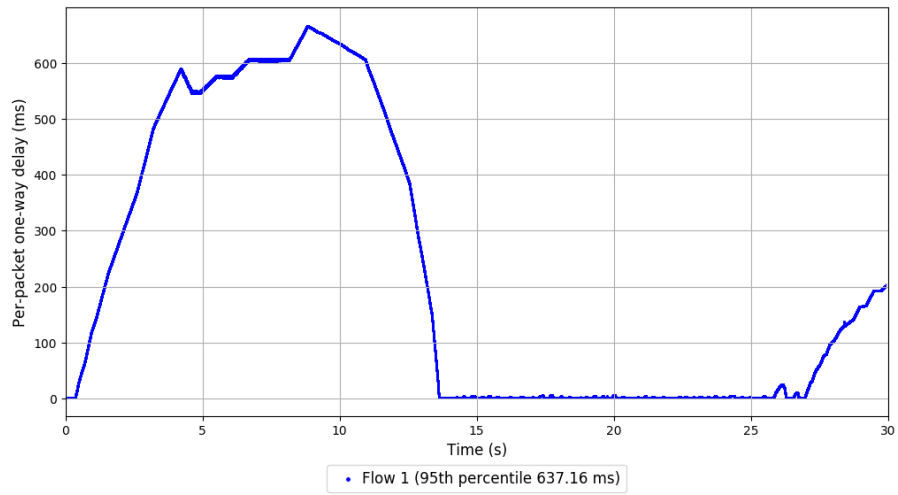
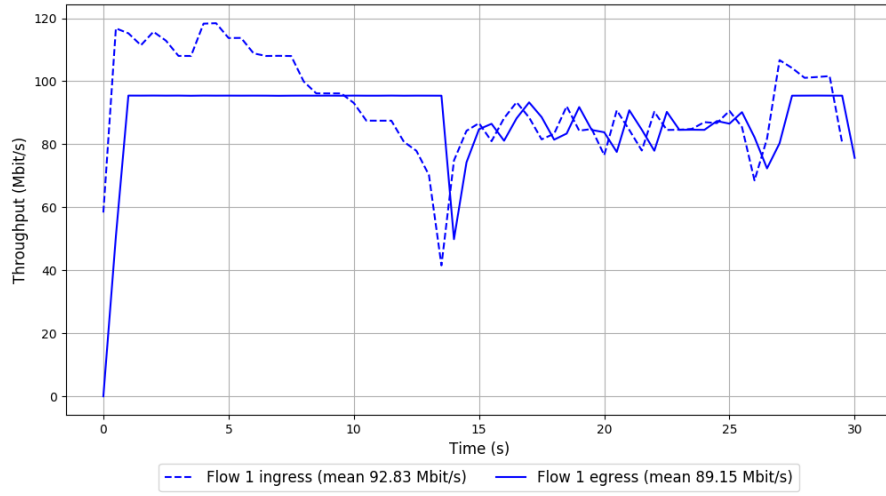


Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 05:54:53
End at: 2019-05-30 05:55:23
Local clock offset: -5.204 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2019-05-30 07:45:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 637.159 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 637.159 ms
Loss rate: 3.97%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 06:18:30

End at: 2019-05-30 06:19:00

Local clock offset: -4.686 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-05-30 07:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.59 Mbit/s

95th percentile per-packet one-way delay: 617.533 ms

Loss rate: 6.87%

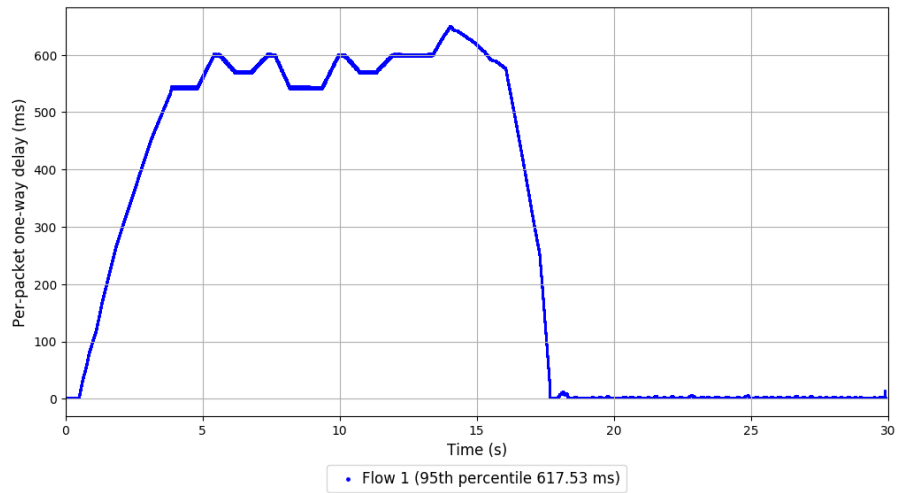
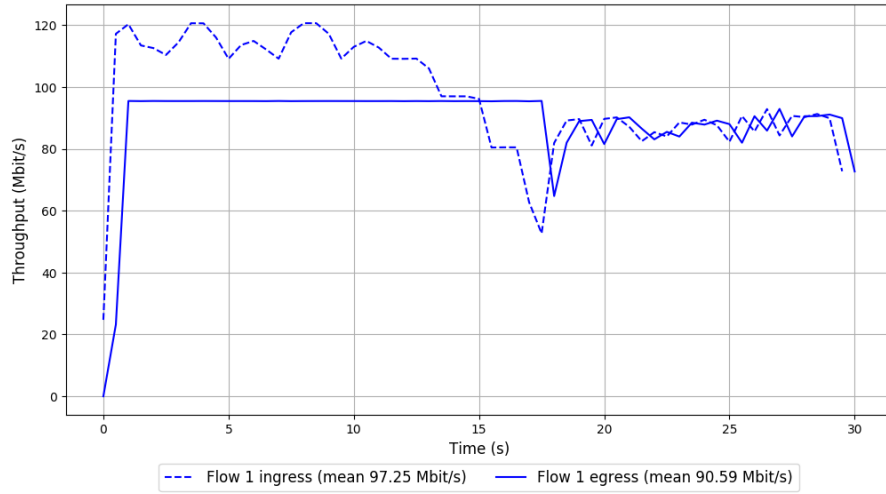
-- Flow 1:

Average throughput: 90.59 Mbit/s

95th percentile per-packet one-way delay: 617.533 ms

Loss rate: 6.87%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 06:42:14

End at: 2019-05-30 06:42:44

Local clock offset: -3.799 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2019-05-30 07:45:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.58 Mbit/s

95th percentile per-packet one-way delay: 646.962 ms

Loss rate: 2.73%

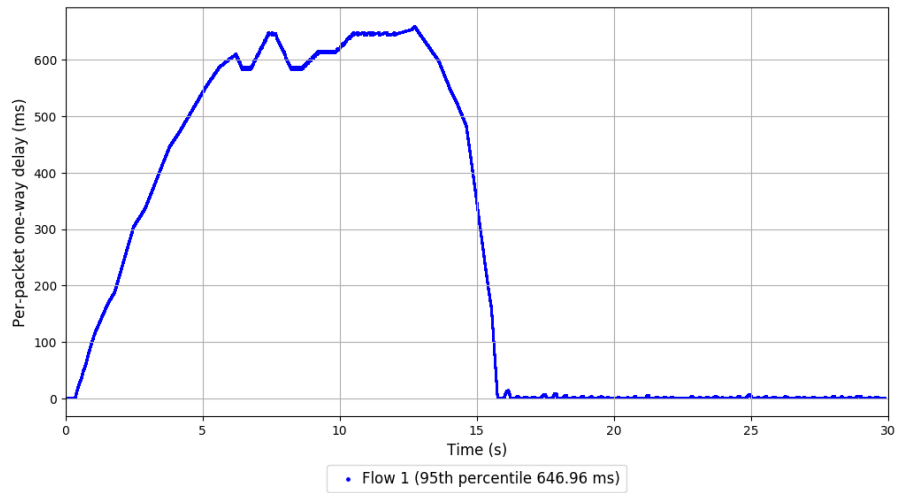
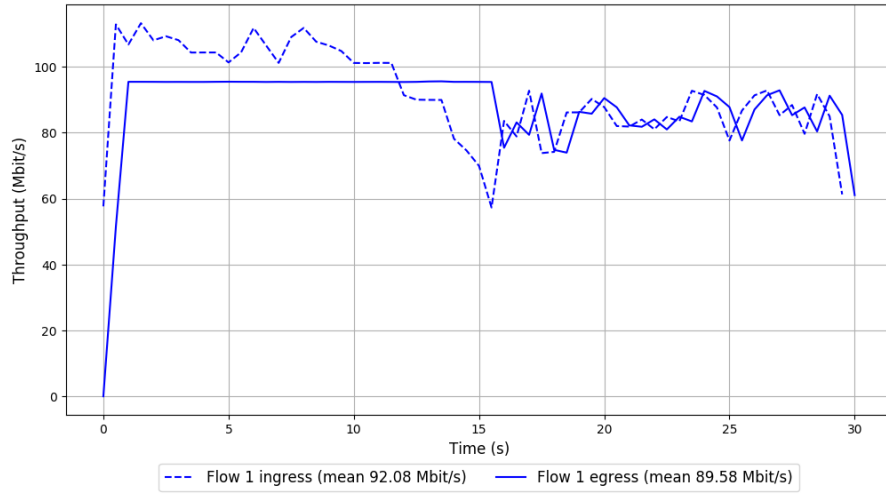
-- Flow 1:

Average throughput: 89.58 Mbit/s

95th percentile per-packet one-way delay: 646.962 ms

Loss rate: 2.73%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 07:05:53

End at: 2019-05-30 07:06:23

Local clock offset: -2.275 ms

Remote clock offset: 0.597 ms

Below is generated by plot.py at 2019-05-30 07:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 628.811 ms

Loss rate: 6.81%

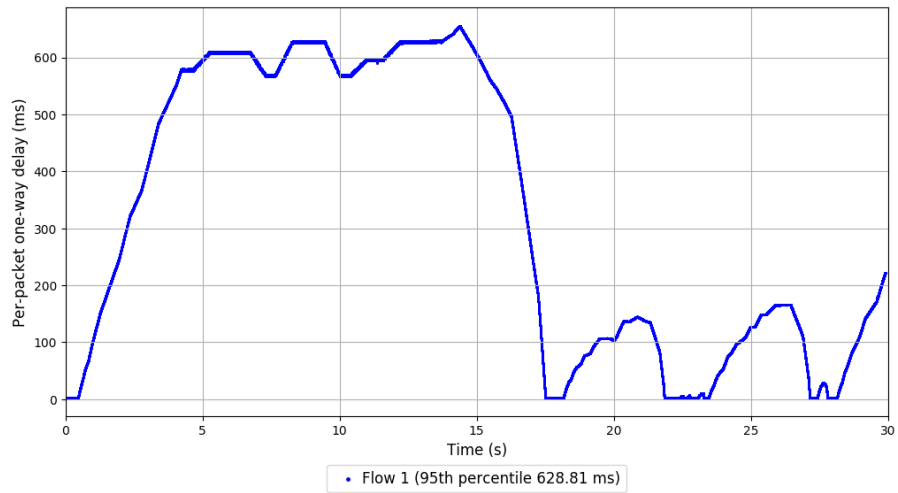
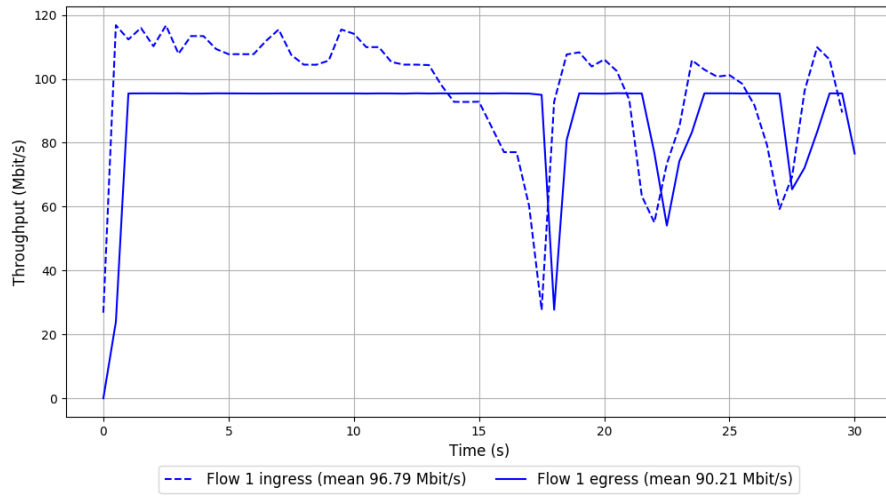
-- Flow 1:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 628.811 ms

Loss rate: 6.81%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 07:29:32

End at: 2019-05-30 07:30:02

Local clock offset: -2.214 ms

Remote clock offset: 0.63 ms

Below is generated by plot.py at 2019-05-30 07:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 544.183 ms

Loss rate: 0.93%

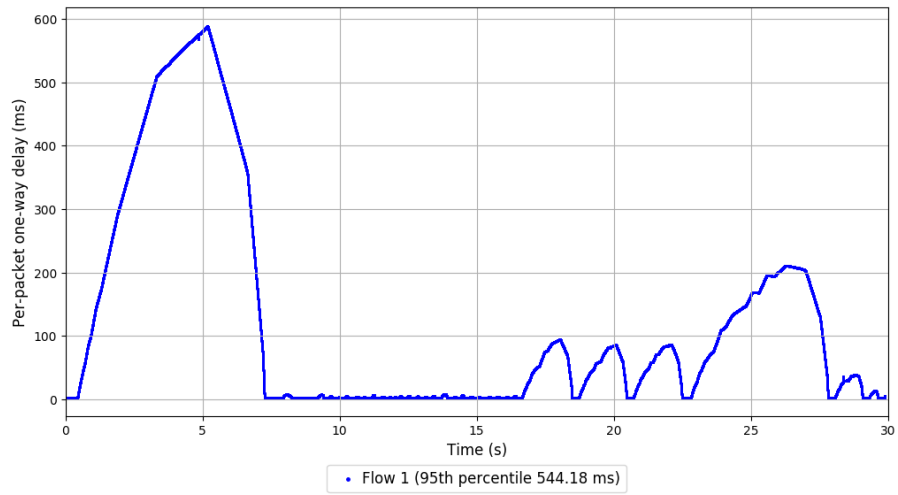
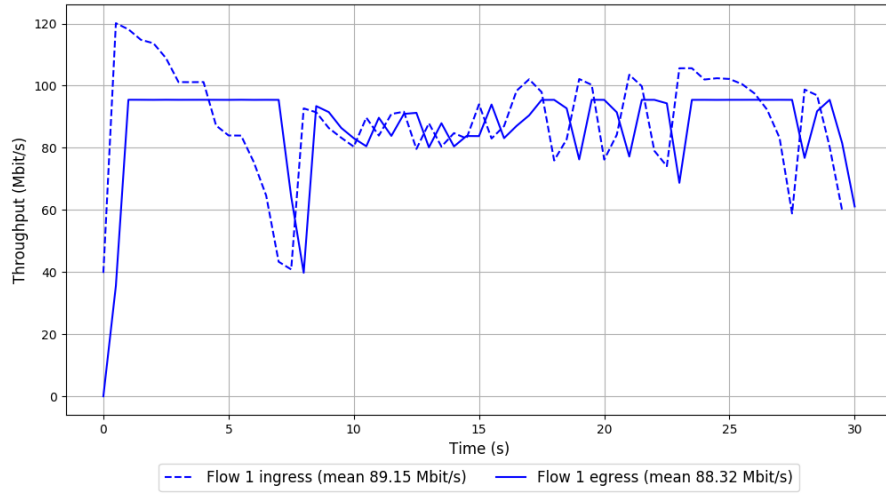
-- Flow 1:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 544.183 ms

Loss rate: 0.93%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-05-30 05:58:17
End at: 2019-05-30 05:58:47
Local clock offset: -5.425 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2019-05-30 07:46:00

Datalink statistics

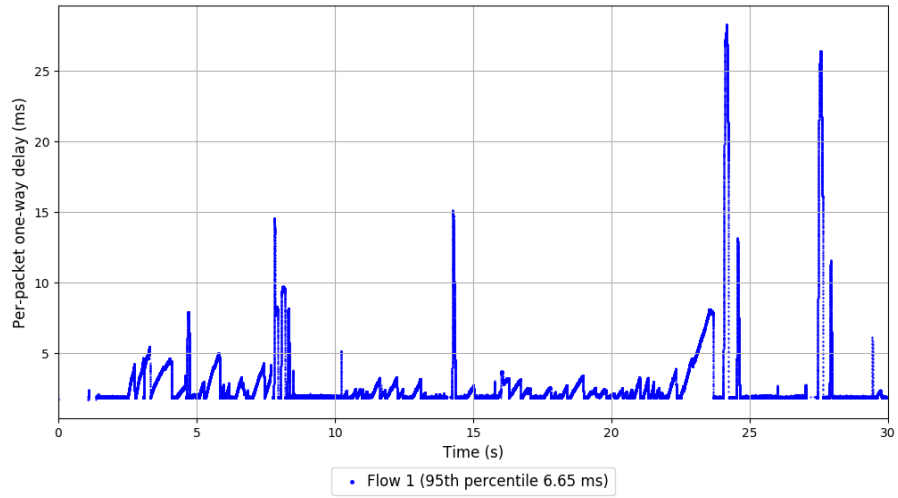
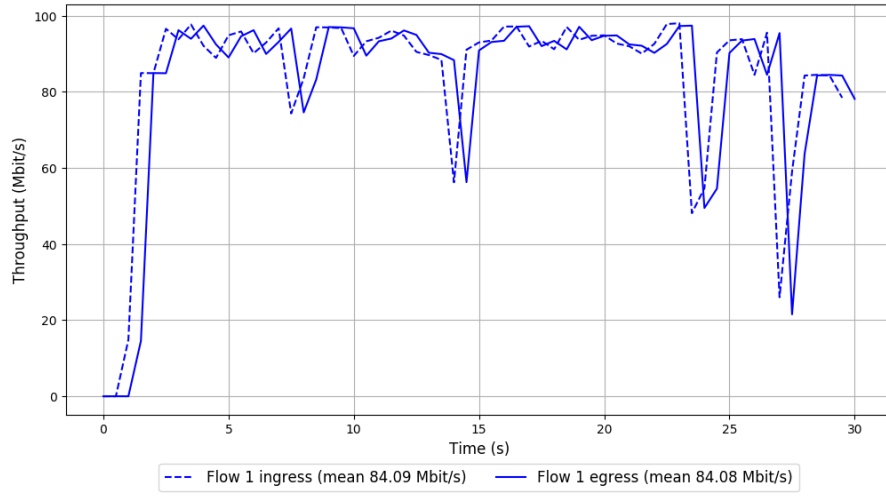
-- Total of 1 flow:

Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 6.654 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 6.654 ms
Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 06:21:53

End at: 2019-05-30 06:22:23

Local clock offset: -3.673 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2019-05-30 07:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 7.703 ms

Loss rate: 0.02%

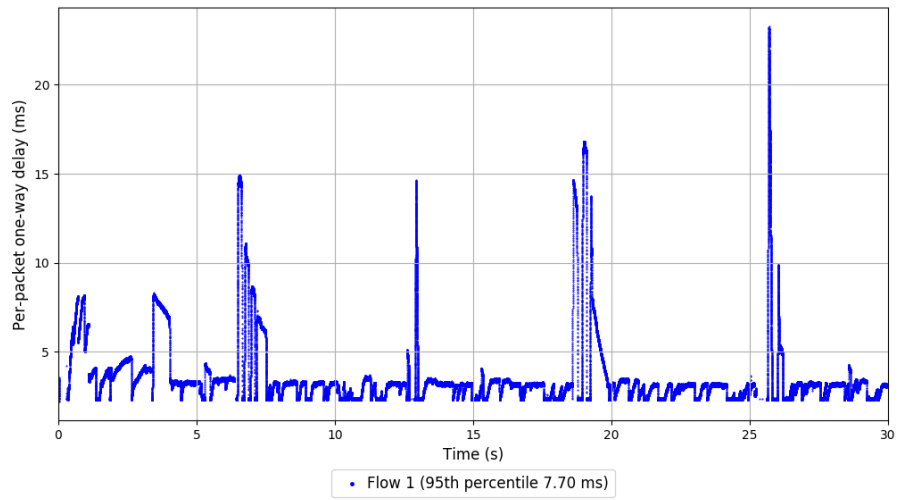
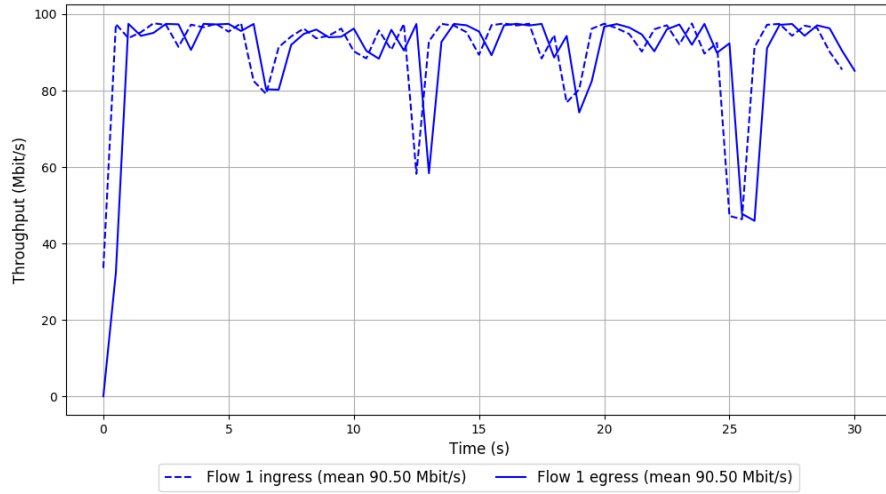
-- Flow 1:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 7.703 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 06:45:37

End at: 2019-05-30 06:46:07

Local clock offset: -2.835 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2019-05-30 07:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.35 Mbit/s

95th percentile per-packet one-way delay: 8.647 ms

Loss rate: 0.02%

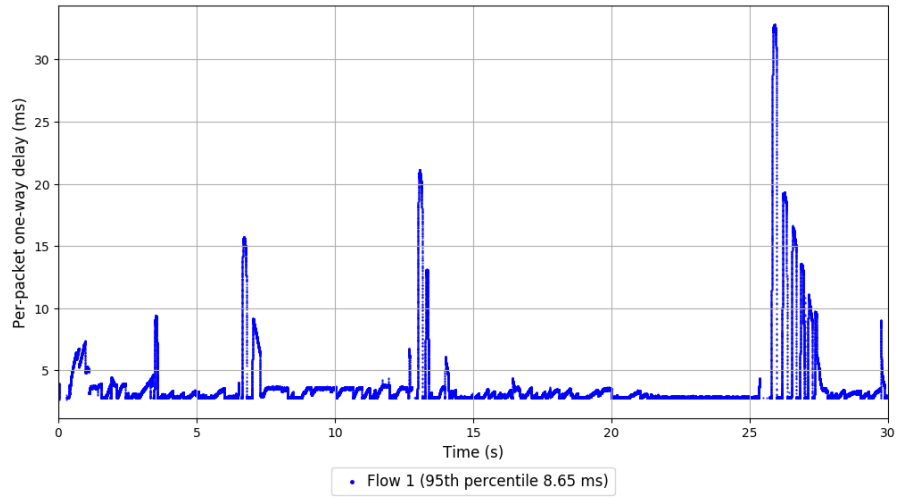
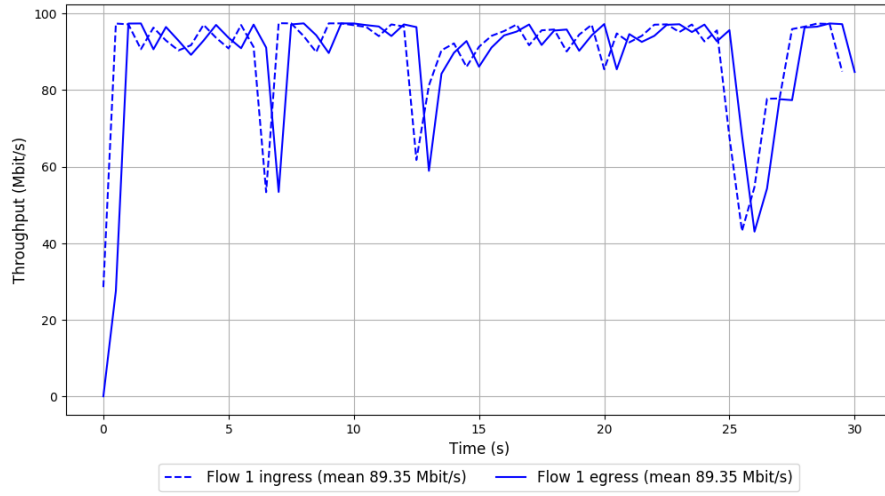
-- Flow 1:

Average throughput: 89.35 Mbit/s

95th percentile per-packet one-way delay: 8.647 ms

Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 07:09:17

End at: 2019-05-30 07:09:47

Local clock offset: -2.44 ms

Remote clock offset: 0.498 ms

Below is generated by plot.py at 2019-05-30 07:46:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 5.679 ms

Loss rate: 0.01%

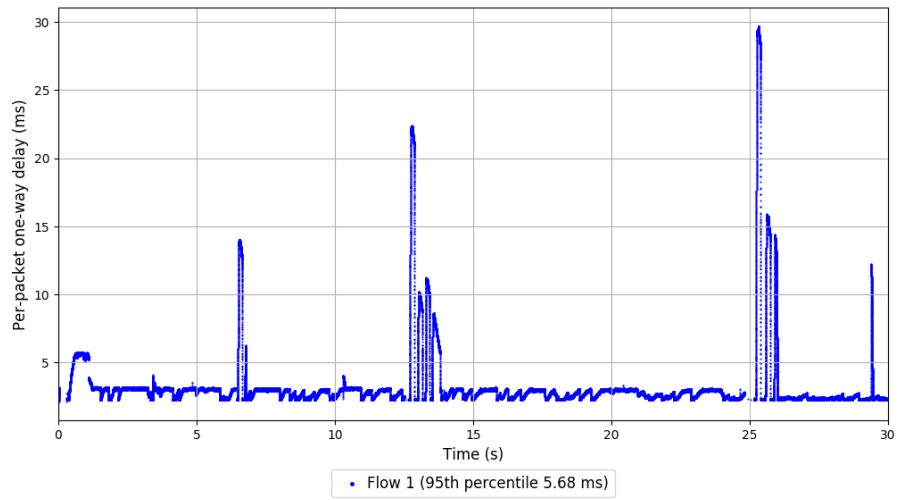
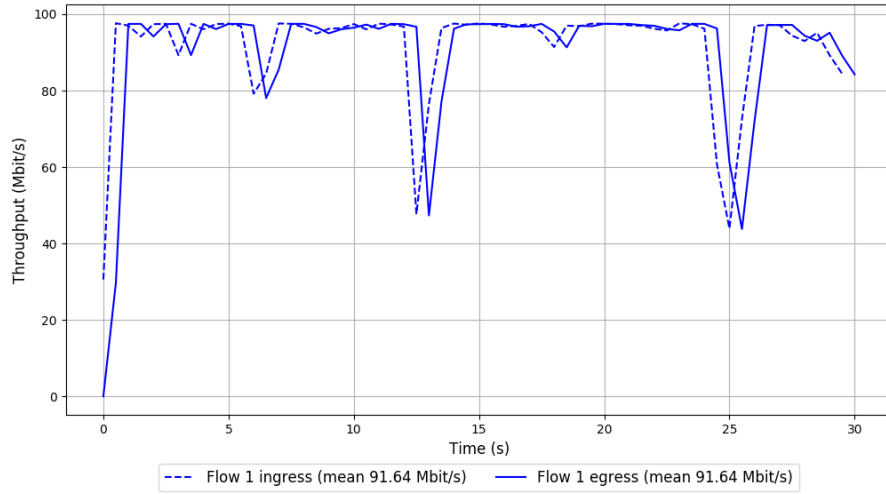
-- Flow 1:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 5.679 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 07:32:56

End at: 2019-05-30 07:33:26

Local clock offset: -2.911 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 4.278 ms

Loss rate: 0.01%

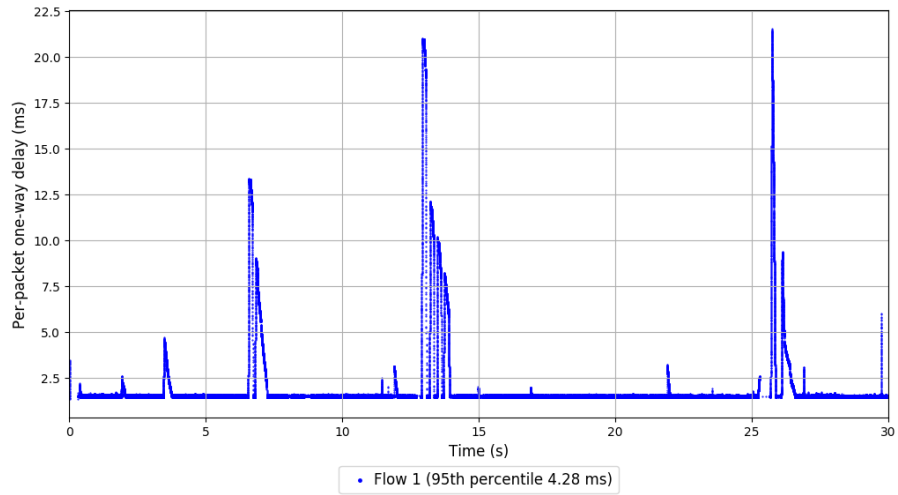
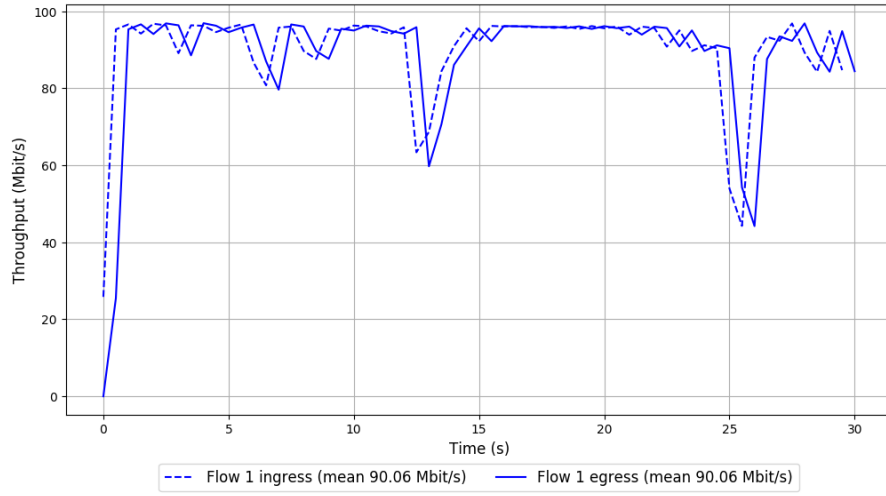
-- Flow 1:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 4.278 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-05-30 05:50:25
End at: 2019-05-30 05:50:55
Local clock offset: -4.441 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.766 ms

Loss rate: 0.00%

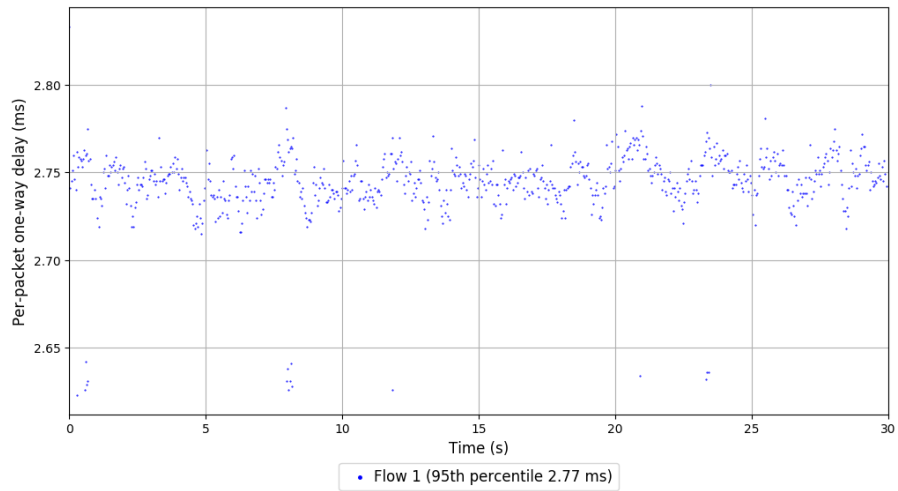
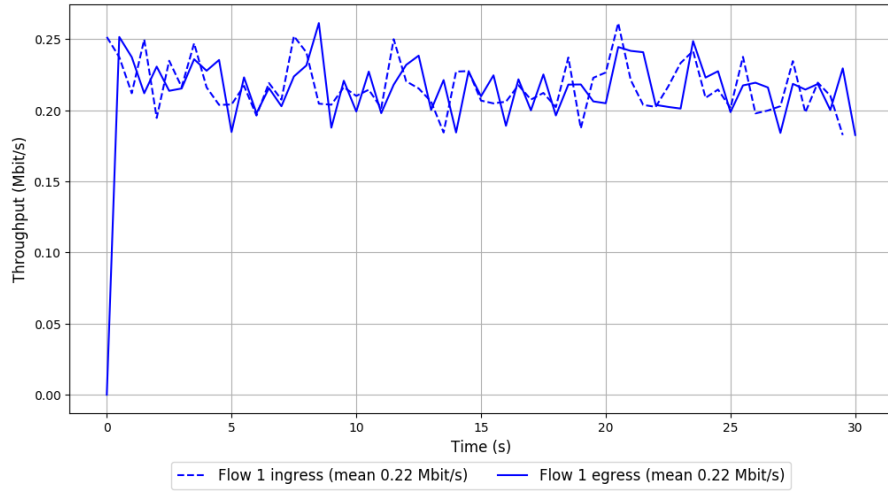
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.766 ms

Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-05-30 06:14:00

End at: 2019-05-30 06:14:30

Local clock offset: -4.717 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.617 ms

Loss rate: 0.00%

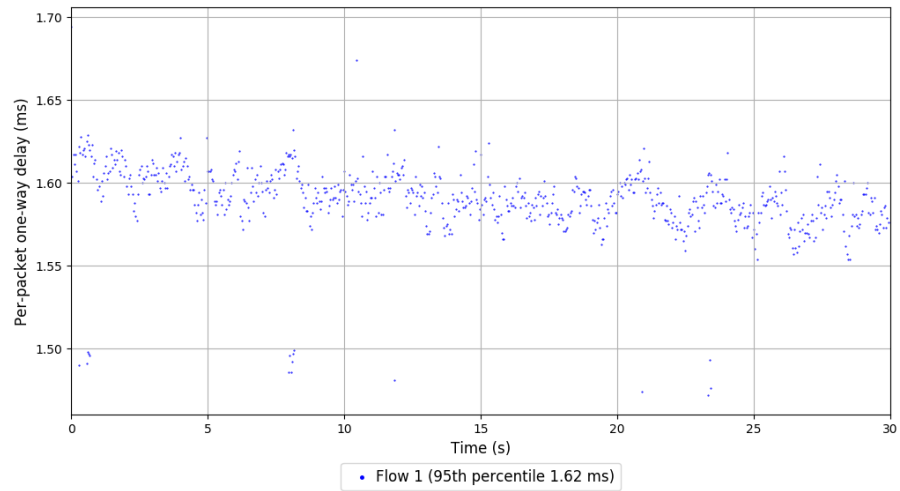
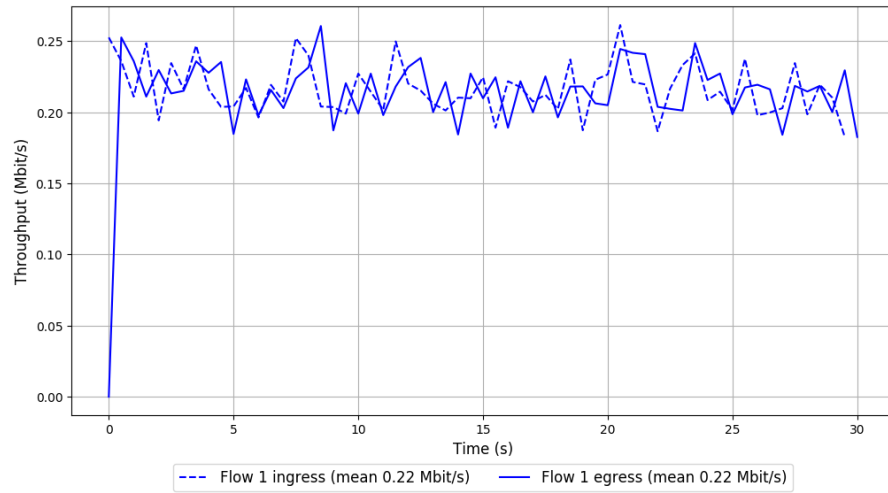
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.617 ms

Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-05-30 06:37:44

End at: 2019-05-30 06:38:14

Local clock offset: -3.327 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.00%

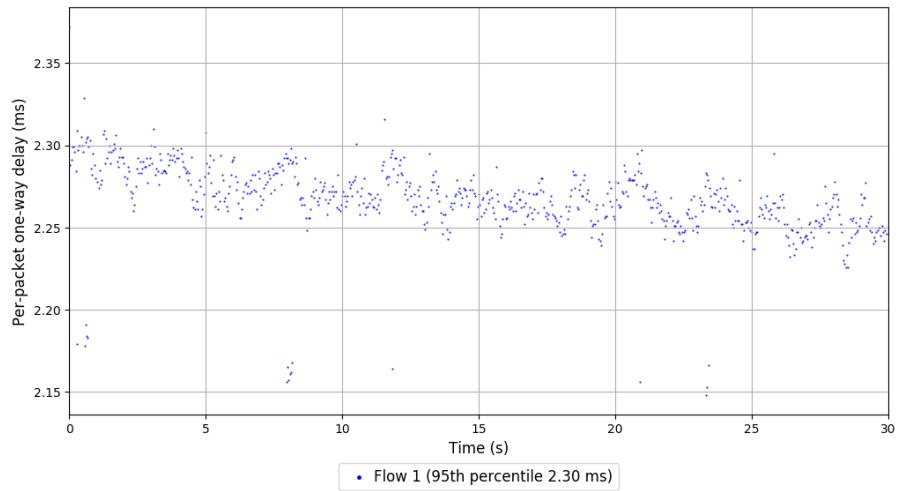
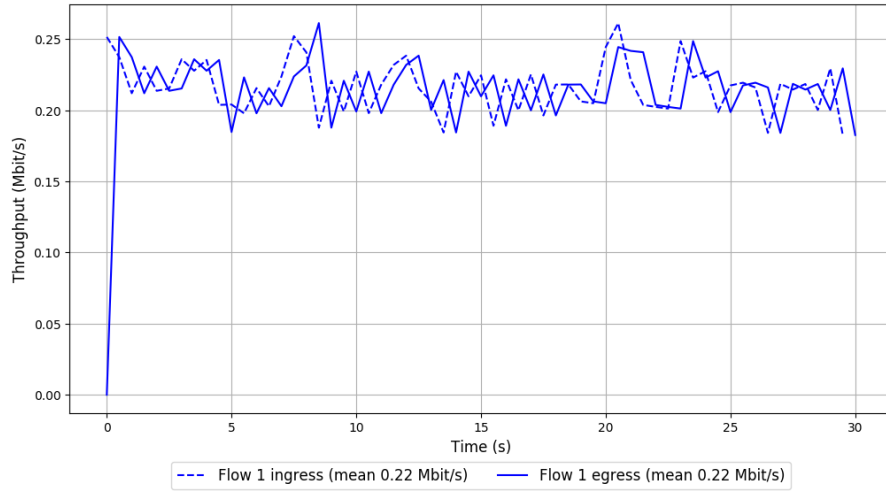
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-05-30 07:01:26

End at: 2019-05-30 07:01:56

Local clock offset: -3.282 ms

Remote clock offset: 0.454 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.495 ms

Loss rate: 0.00%

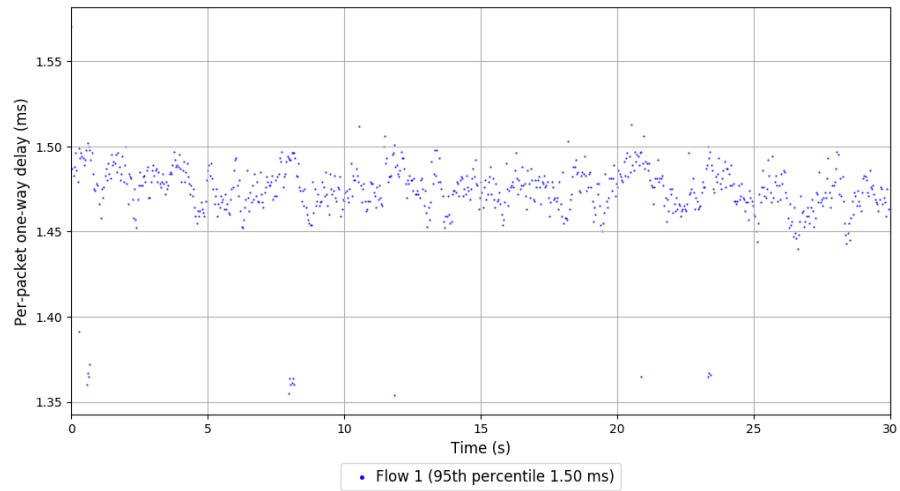
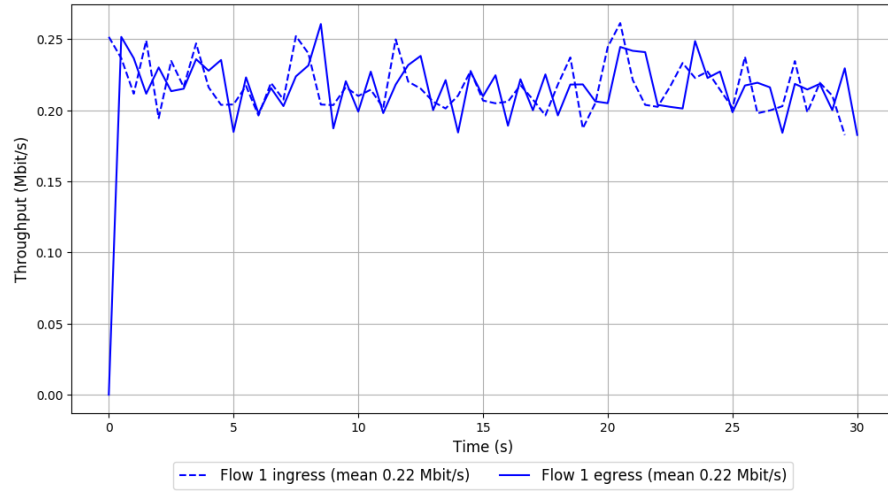
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.495 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-05-30 07:25:03

End at: 2019-05-30 07:25:33

Local clock offset: -2.196 ms

Remote clock offset: 0.654 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

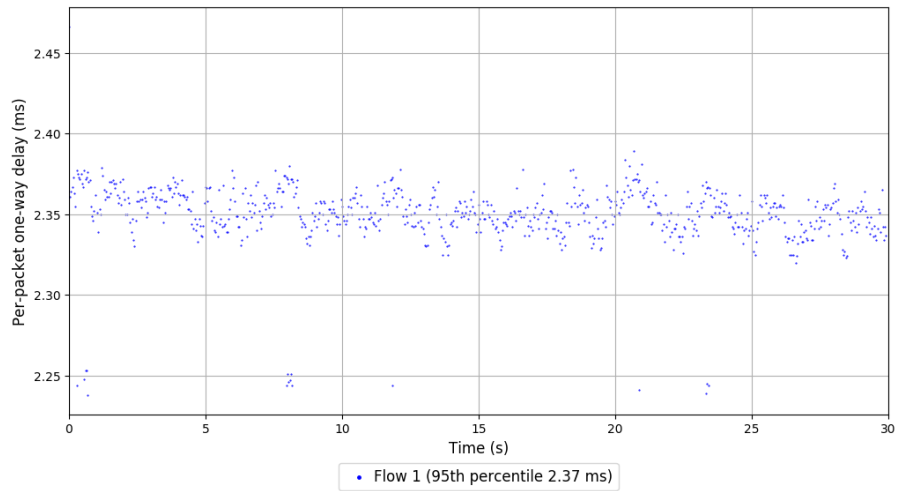
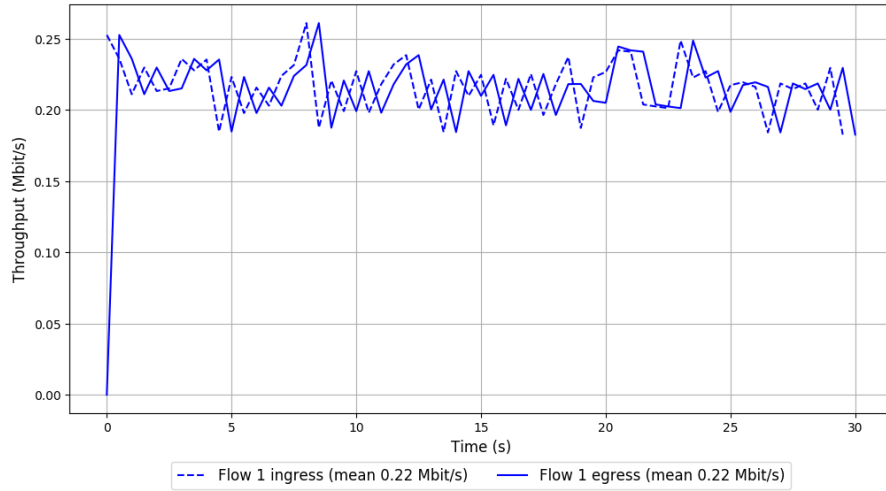
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

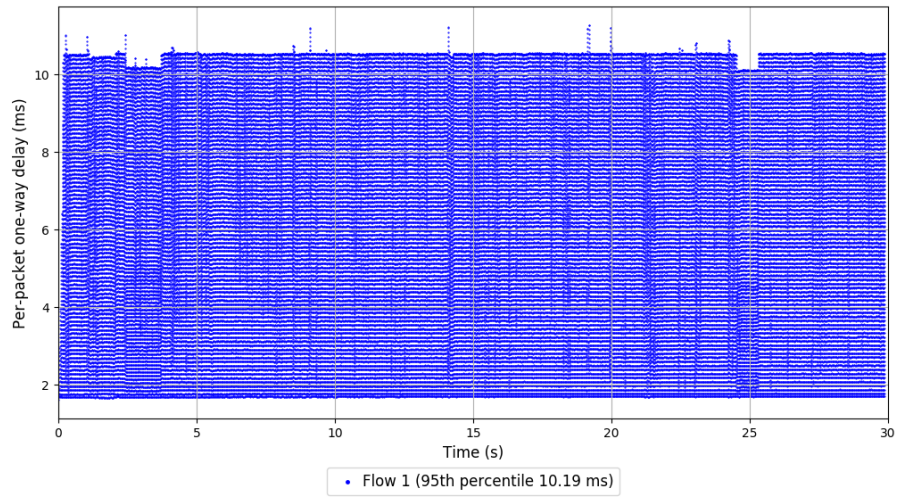
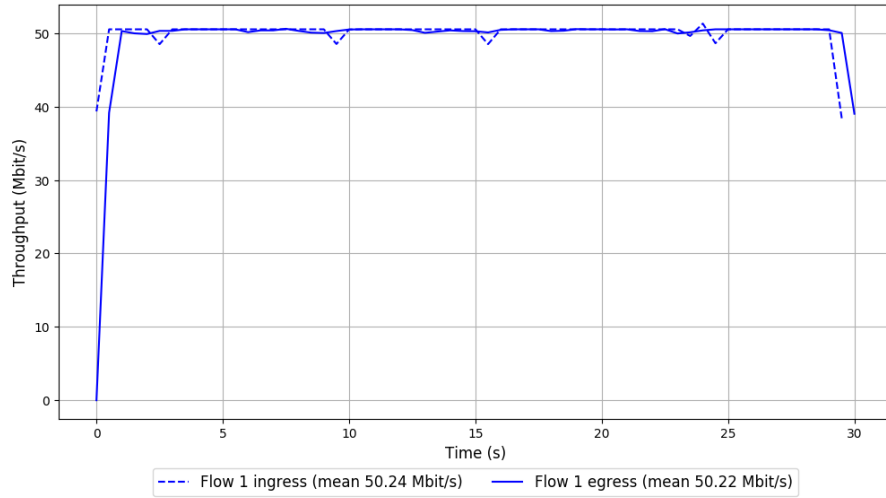


Run 1: Statistics of Sprout

Start at: 2019-05-30 05:57:11
End at: 2019-05-30 05:57:41
Local clock offset: -5.23 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2019-05-30 07:46:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 10.188 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-05-30 06:20:48

End at: 2019-05-30 06:21:18

Local clock offset: -3.684 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 10.771 ms

Loss rate: 0.00%

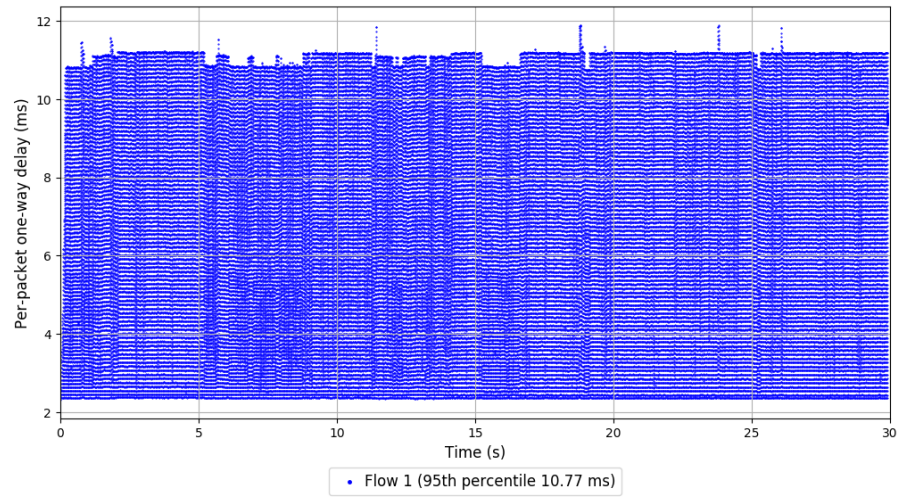
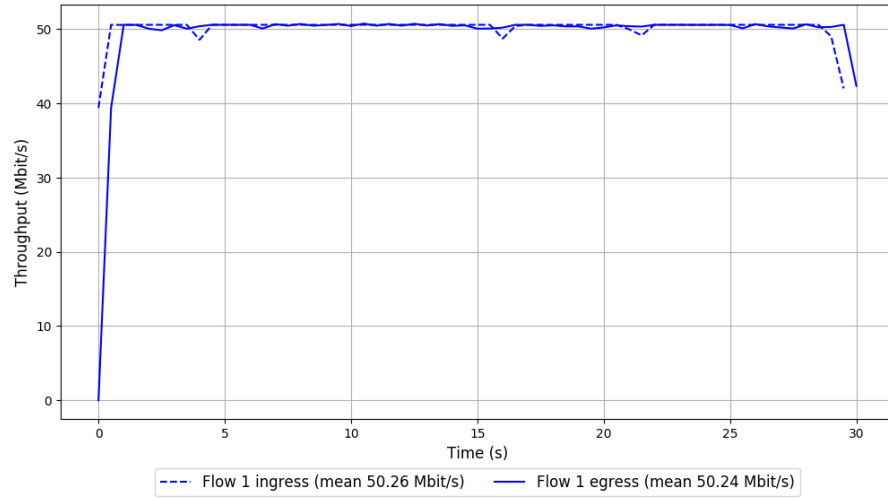
-- Flow 1:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 10.771 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-05-30 06:44:31

End at: 2019-05-30 06:45:01

Local clock offset: -2.908 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 10.764 ms

Loss rate: 0.06%

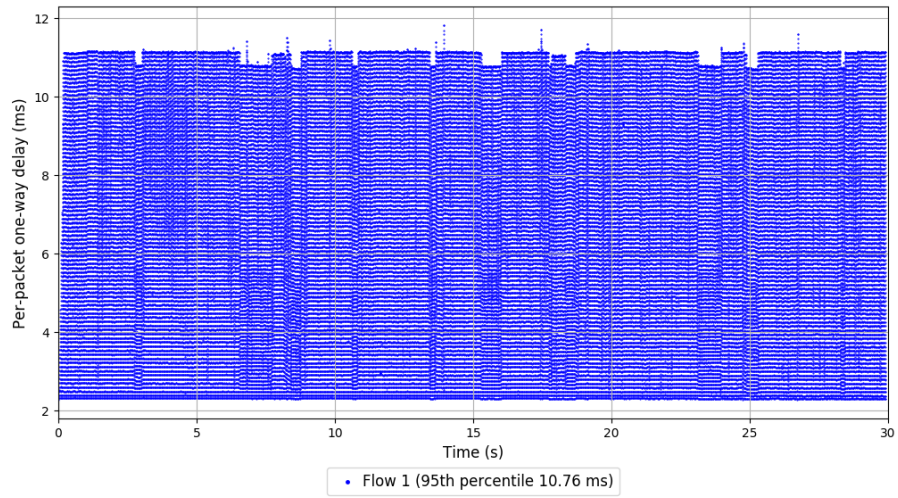
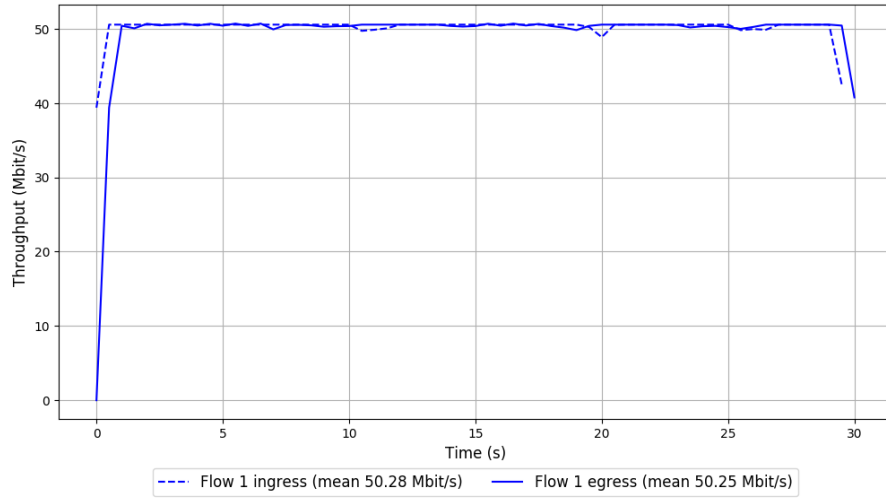
-- Flow 1:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 10.764 ms

Loss rate: 0.06%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-30 07:08:11

End at: 2019-05-30 07:08:41

Local clock offset: -3.226 ms

Remote clock offset: 0.576 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 9.718 ms

Loss rate: 0.06%

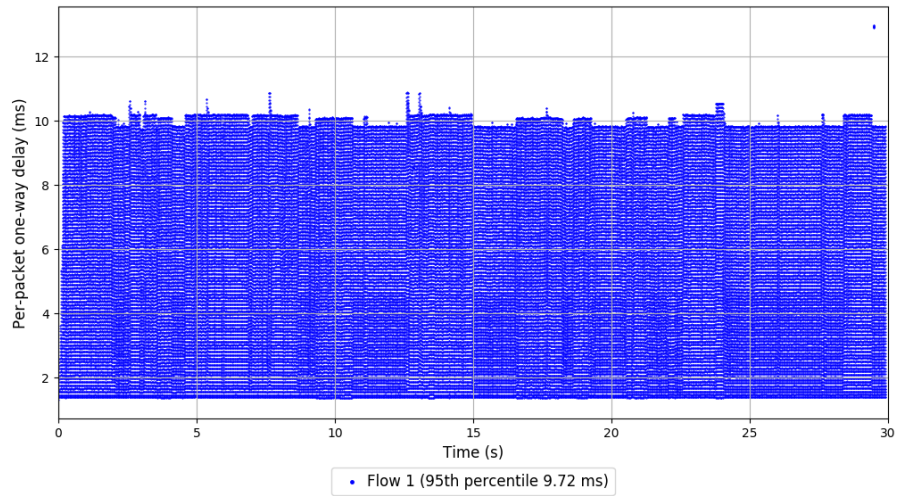
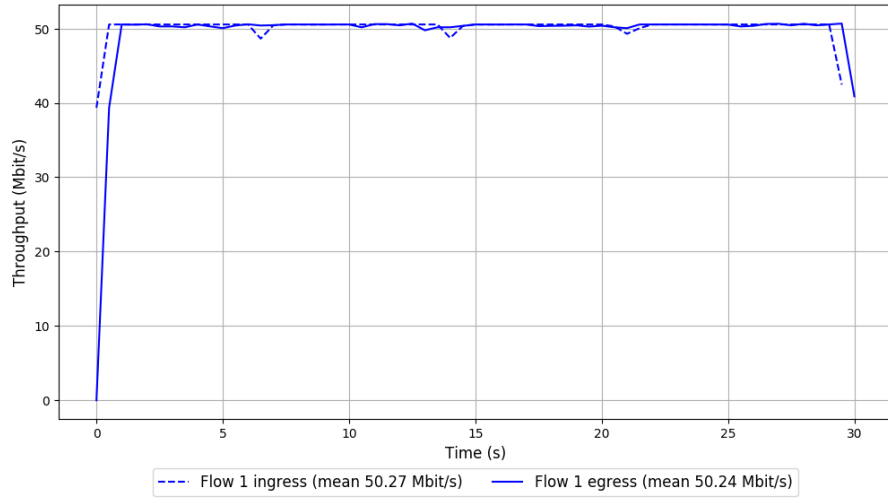
-- Flow 1:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 9.718 ms

Loss rate: 0.06%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-05-30 07:31:50

End at: 2019-05-30 07:32:20

Local clock offset: -3.068 ms

Remote clock offset: 0.638 ms

Below is generated by plot.py at 2019-05-30 07:46:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 10.196 ms

Loss rate: 0.04%

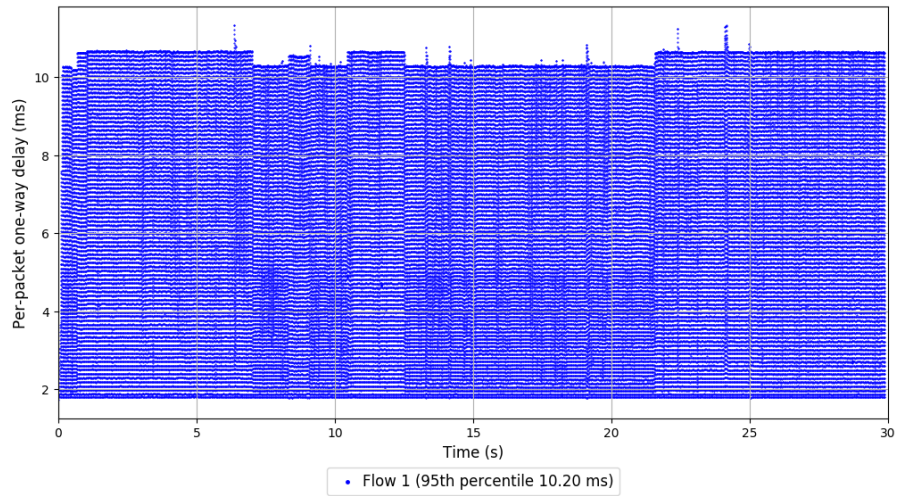
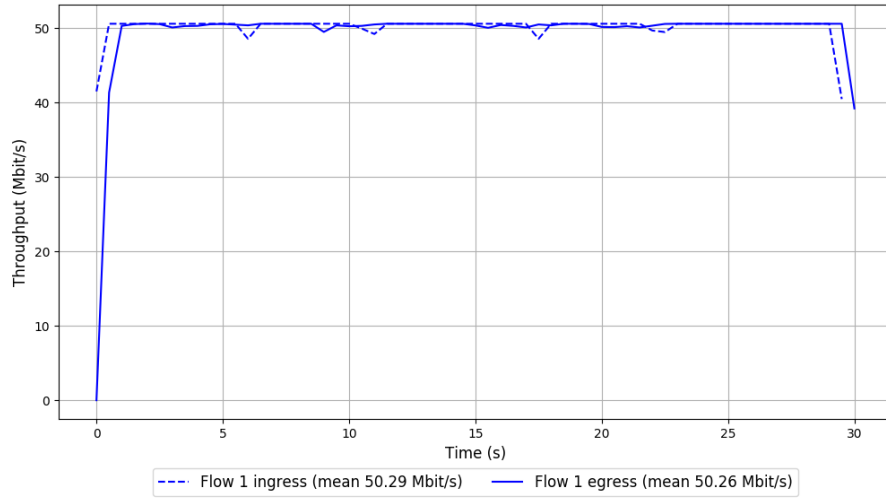
-- Flow 1:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 10.196 ms

Loss rate: 0.04%

Run 5: Report of Sprout — Data Link

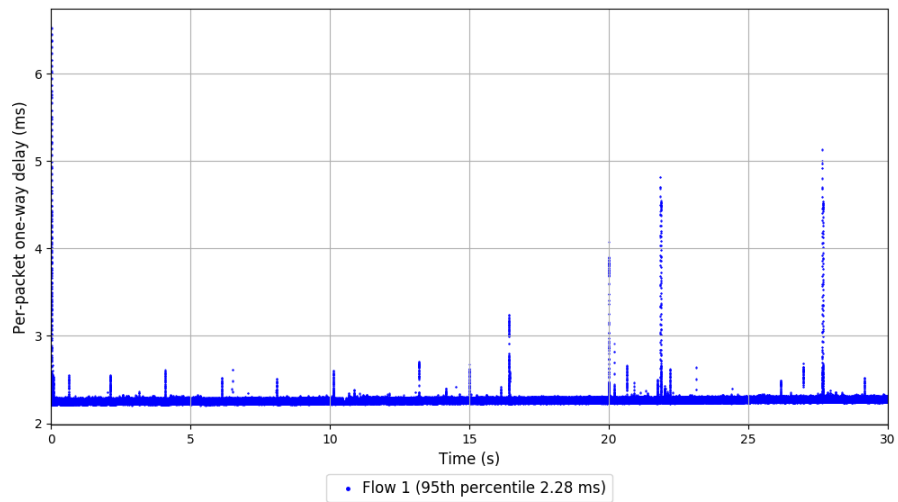
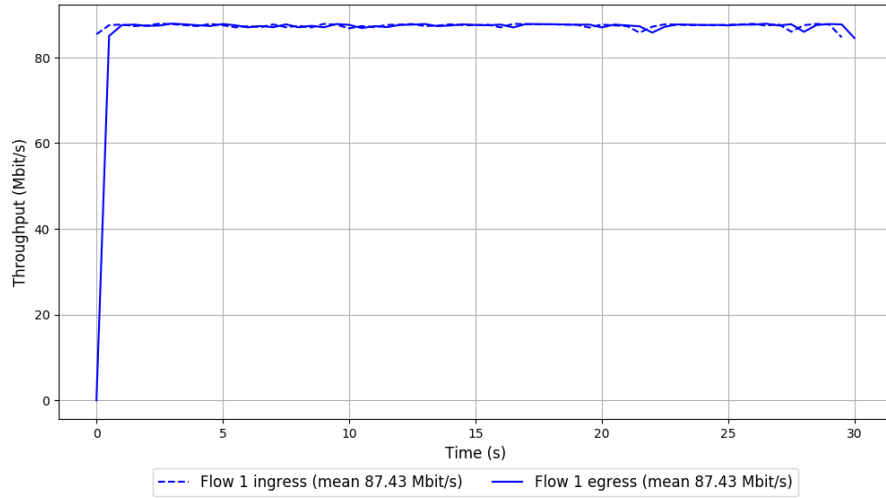


Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 05:40:15
End at: 2019-05-30 05:40:45
Local clock offset: -4.323 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2019-05-30 07:47:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 2.278 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 2.278 ms
Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 06:03:56

End at: 2019-05-30 06:04:26

Local clock offset: -5.28 ms

Remote clock offset: -0.148 ms

Below is generated by plot.py at 2019-05-30 07:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.13 Mbit/s

95th percentile per-packet one-way delay: 1.712 ms

Loss rate: 0.01%

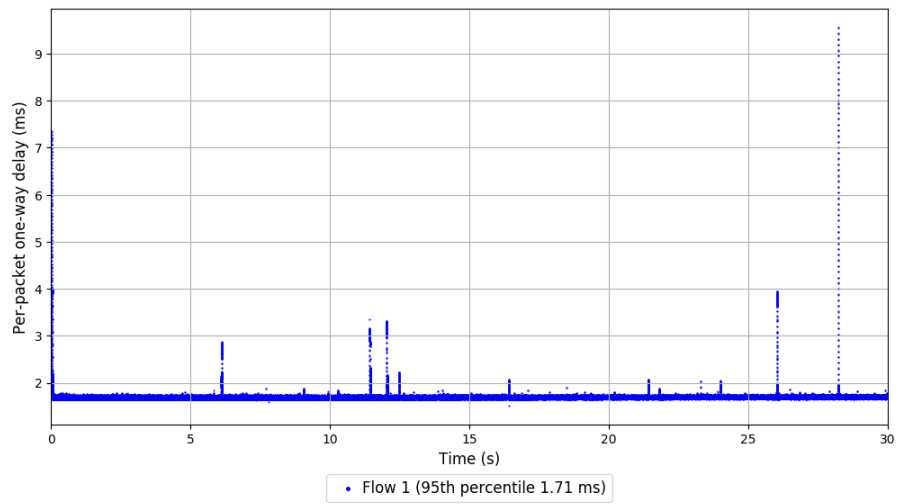
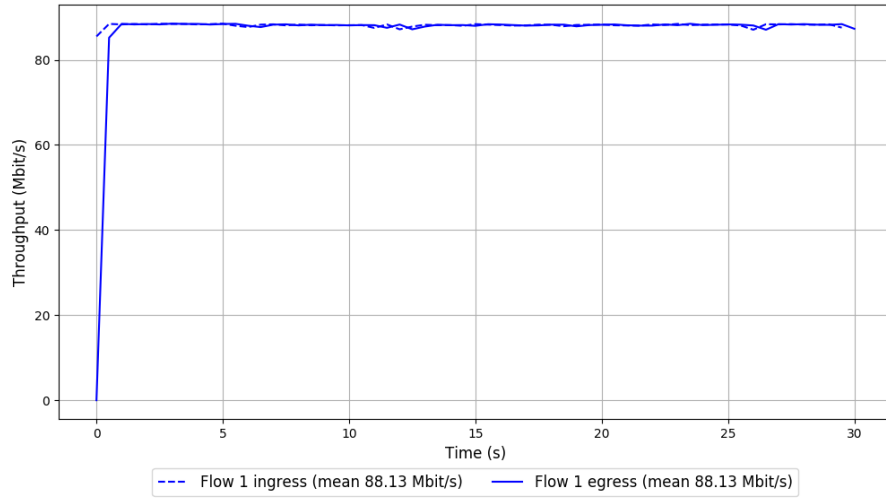
-- Flow 1:

Average throughput: 88.13 Mbit/s

95th percentile per-packet one-way delay: 1.712 ms

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 06:27:33

End at: 2019-05-30 06:28:03

Local clock offset: -4.247 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2019-05-30 07:48:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 2.073 ms

Loss rate: 0.01%

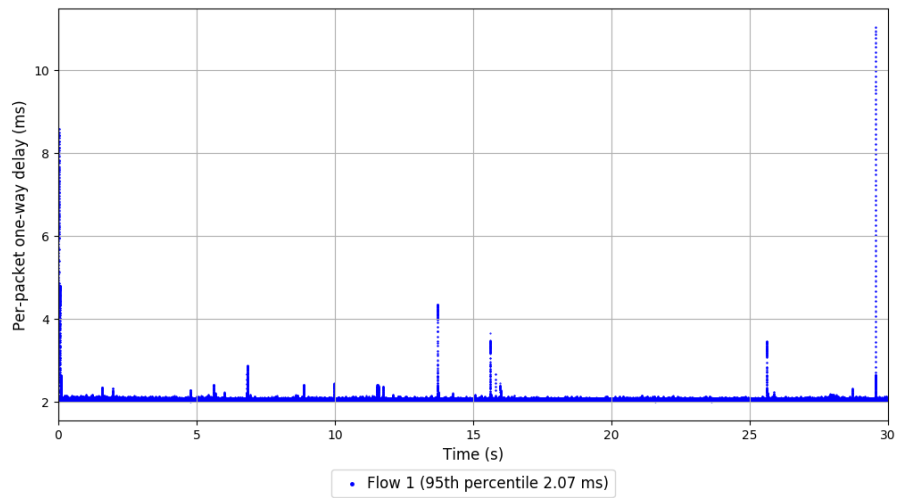
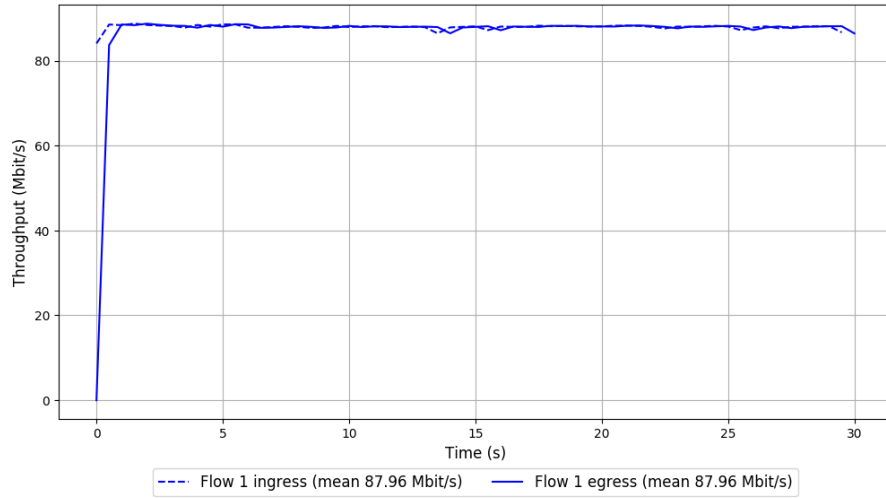
-- Flow 1:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 2.073 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 06:51:16

End at: 2019-05-30 06:51:46

Local clock offset: -3.57 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2019-05-30 07:48:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 1.497 ms

Loss rate: 0.01%

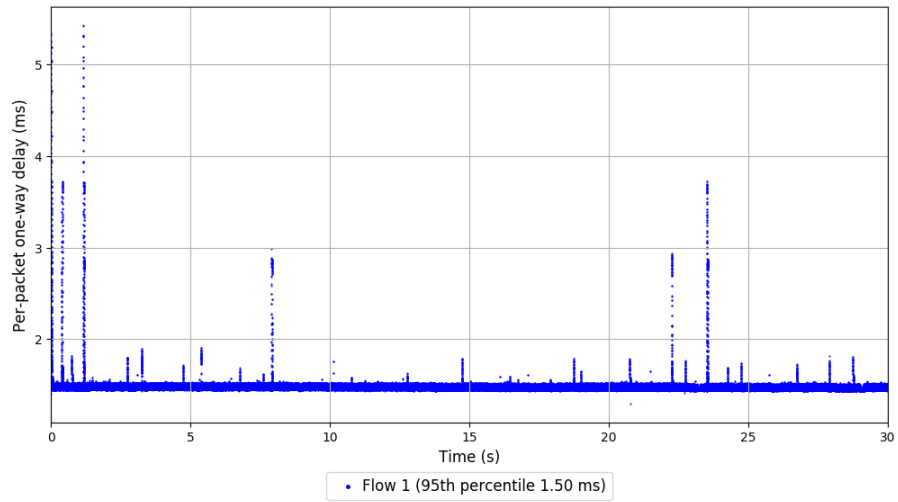
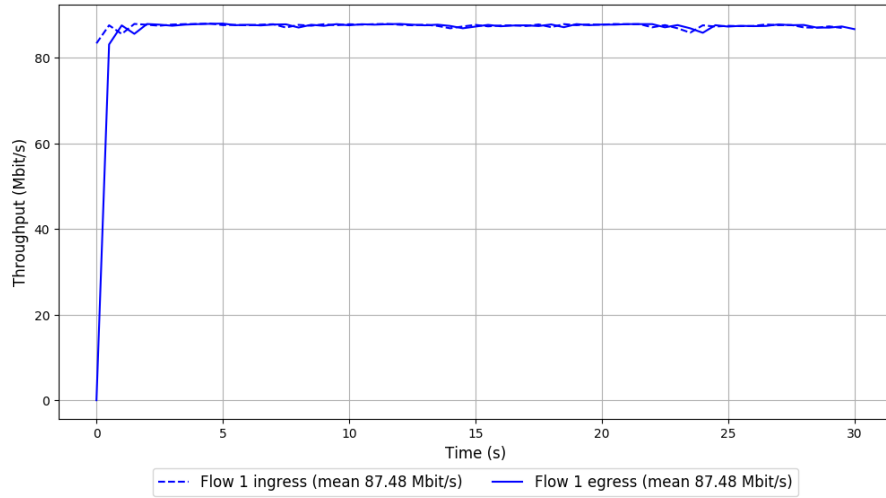
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 1.497 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 07:14:56

End at: 2019-05-30 07:15:26

Local clock offset: -2.283 ms

Remote clock offset: 0.59 ms

Below is generated by plot.py at 2019-05-30 07:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.31 Mbit/s

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

Loss rate: 0.01%

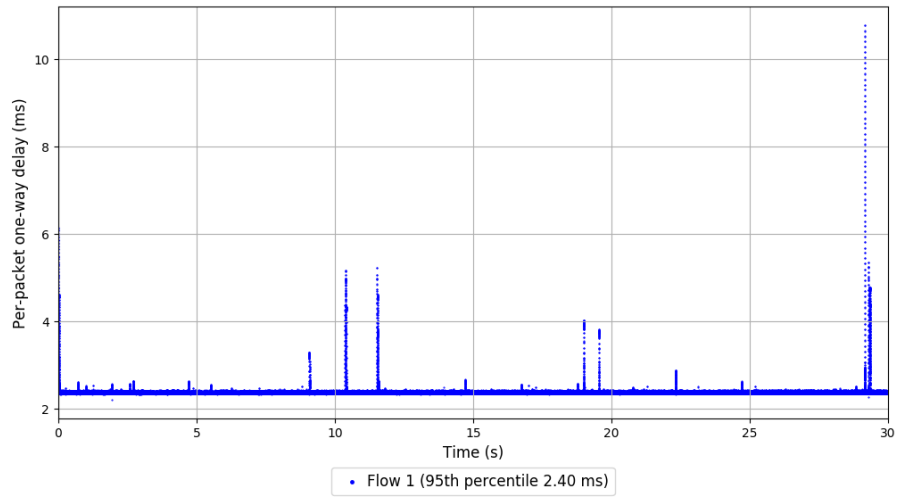
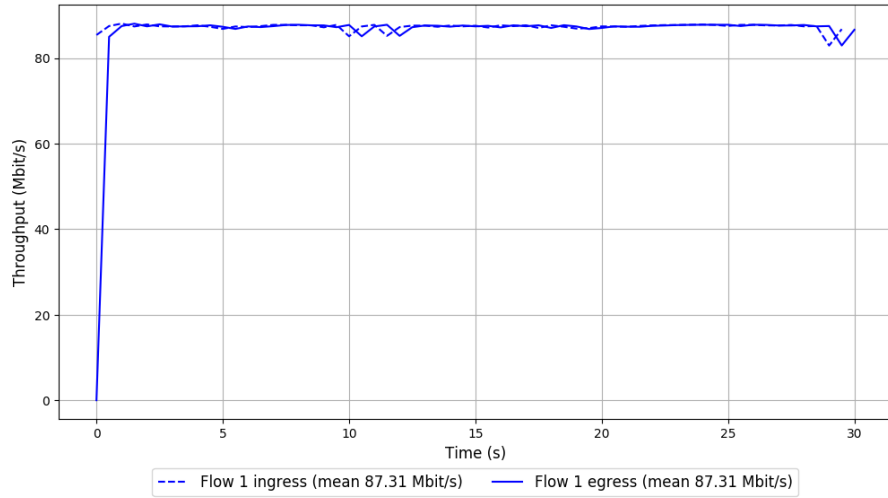
-- Flow 1:

Average throughput: 87.31 Mbit/s

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

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 05:44:47
End at: 2019-05-30 05:45:17
Local clock offset: -4.307 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2019-05-30 07:48:18

Datalink statistics

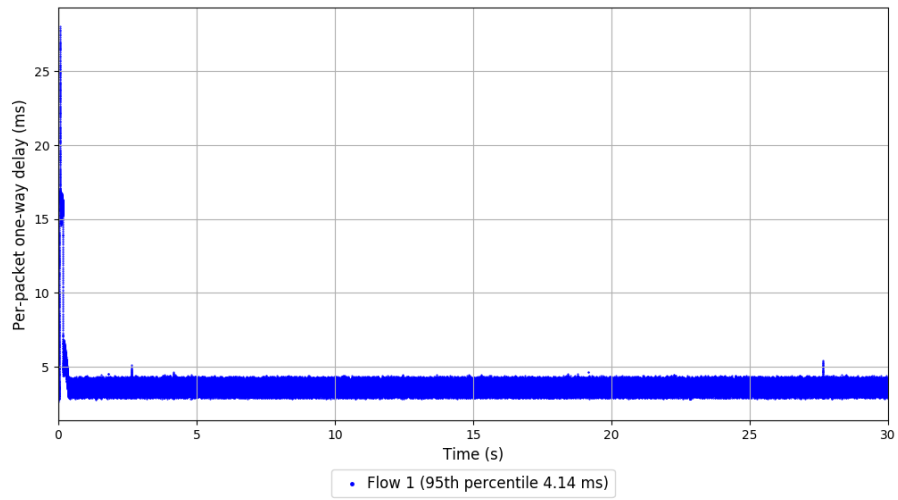
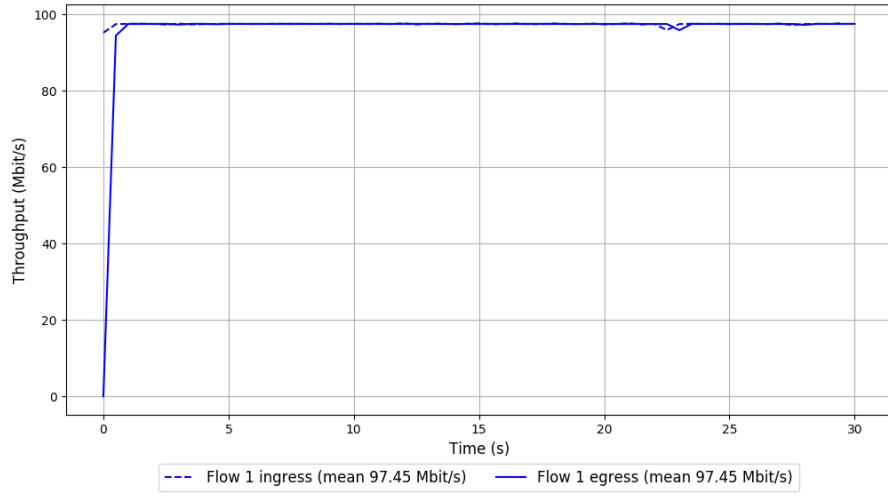
-- Total of 1 flow:

Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 06:08:28

End at: 2019-05-30 06:08:58

Local clock offset: -4.456 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2019-05-30 07:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 3.940 ms

Loss rate: 0.01%

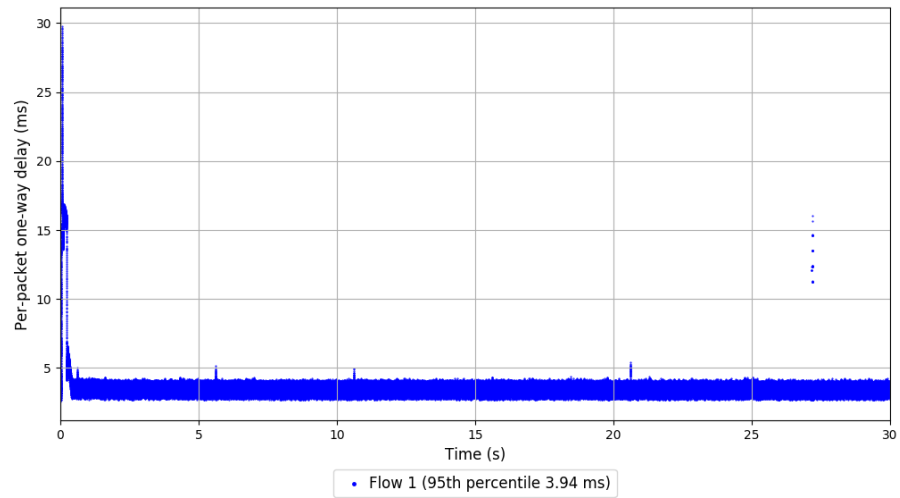
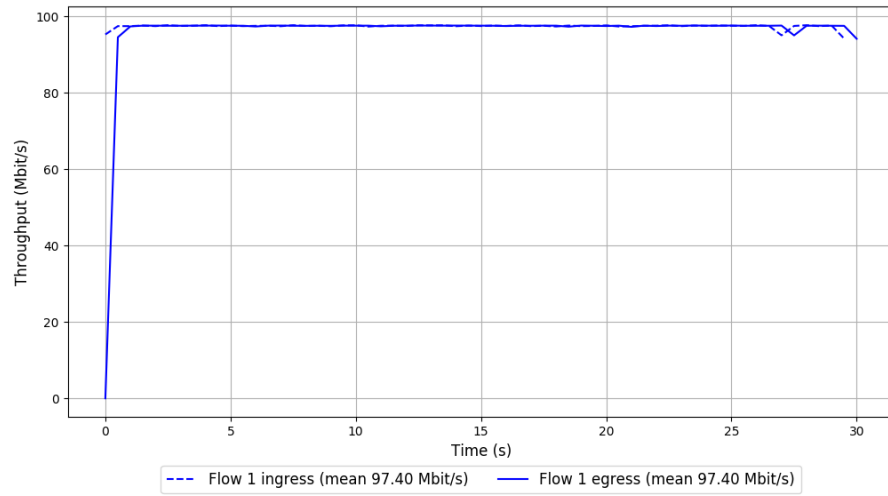
-- Flow 1:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 3.940 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 06:32:05

End at: 2019-05-30 06:32:35

Local clock offset: -3.443 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2019-05-30 07:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 3.564 ms

Loss rate: 0.01%

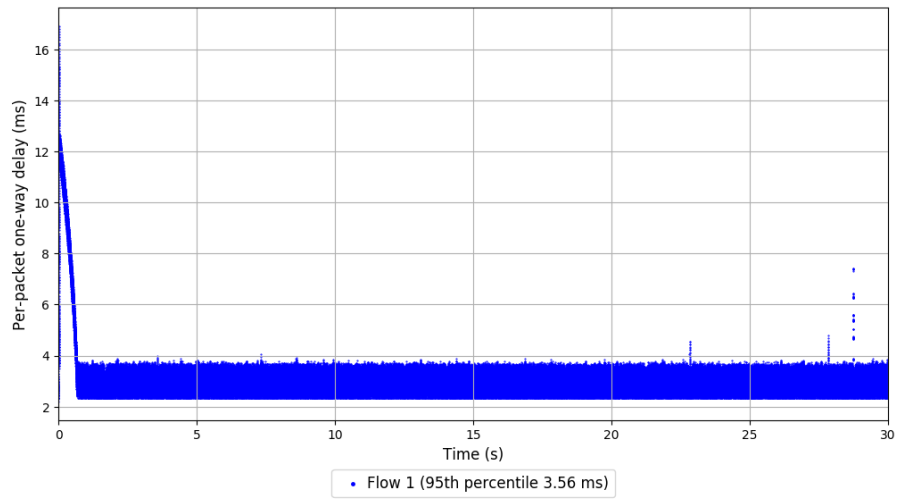
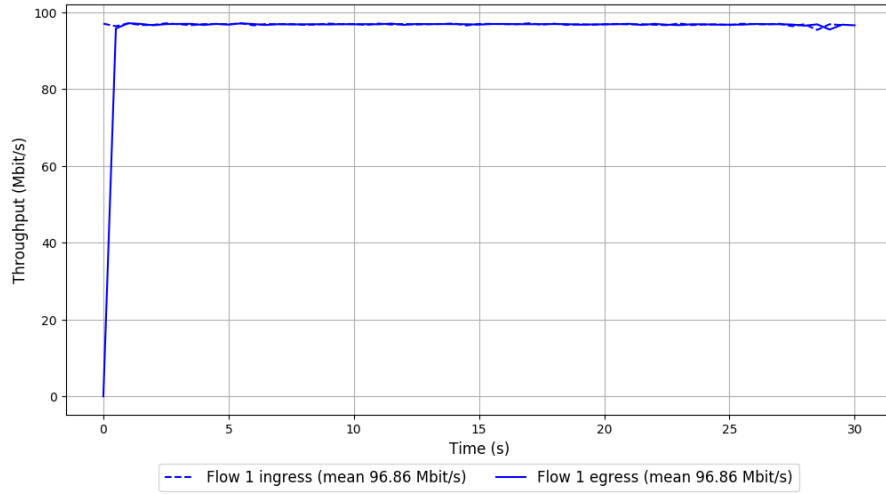
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 3.564 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 06:55:48

End at: 2019-05-30 06:56:18

Local clock offset: -2.697 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2019-05-30 07:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 3.857 ms

Loss rate: 0.01%

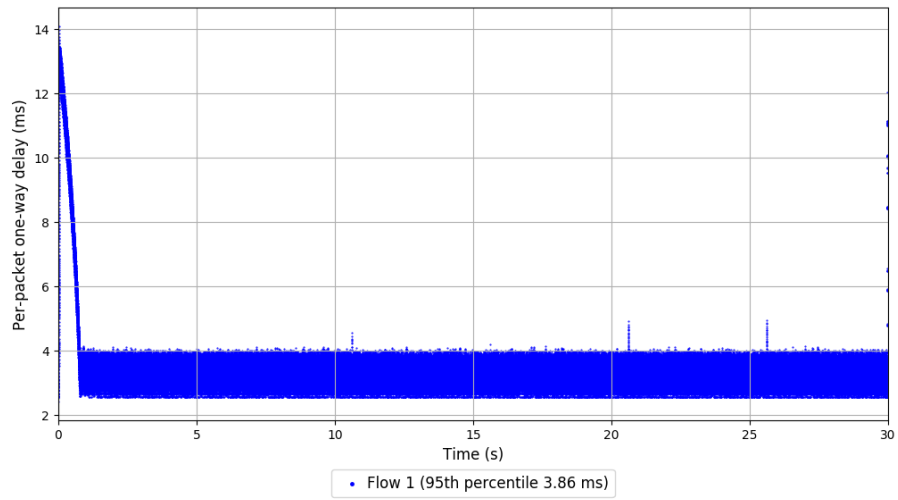
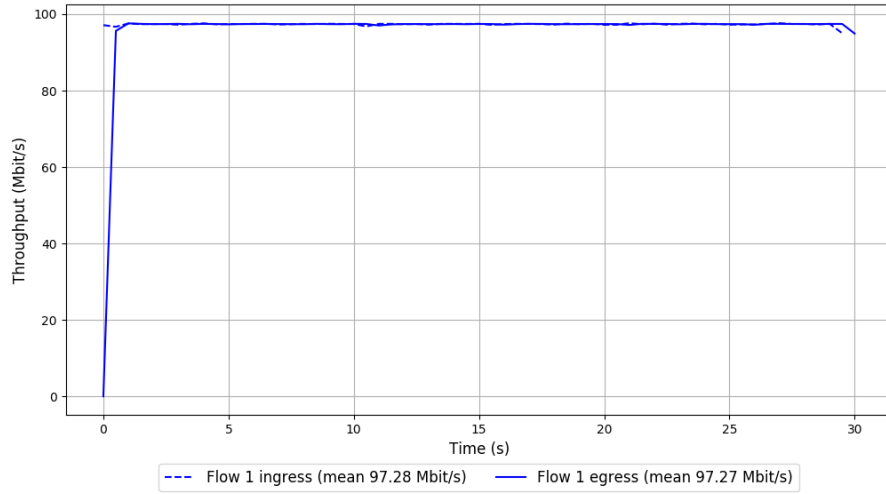
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 3.857 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 07:19:28

End at: 2019-05-30 07:19:58

Local clock offset: -3.174 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2019-05-30 07:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 2.699 ms

Loss rate: 0.01%

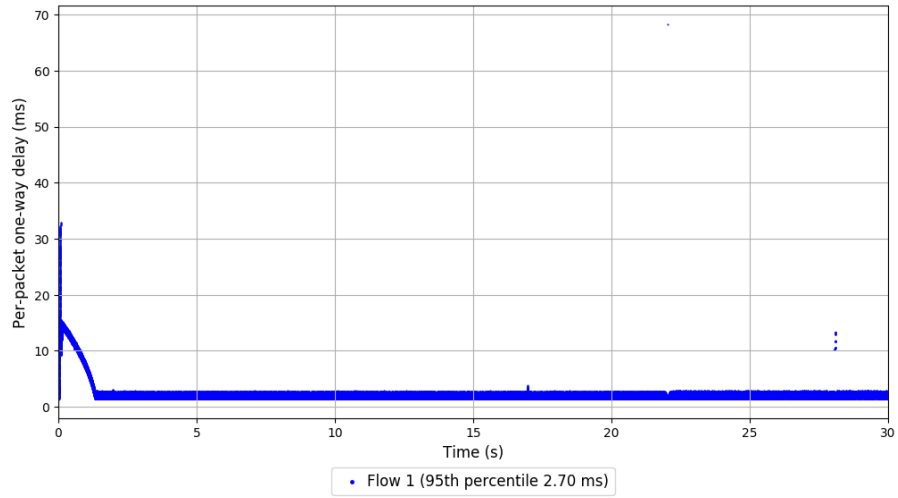
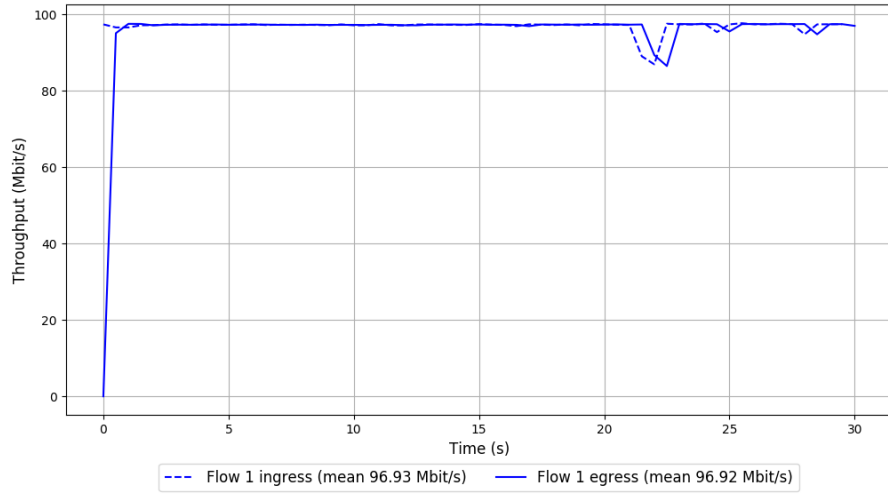
-- Flow 1:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 2.699 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-05-30 05:45:55
End at: 2019-05-30 05:46:25
Local clock offset: -4.533 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2019-05-30 07:48:40

Datalink statistics

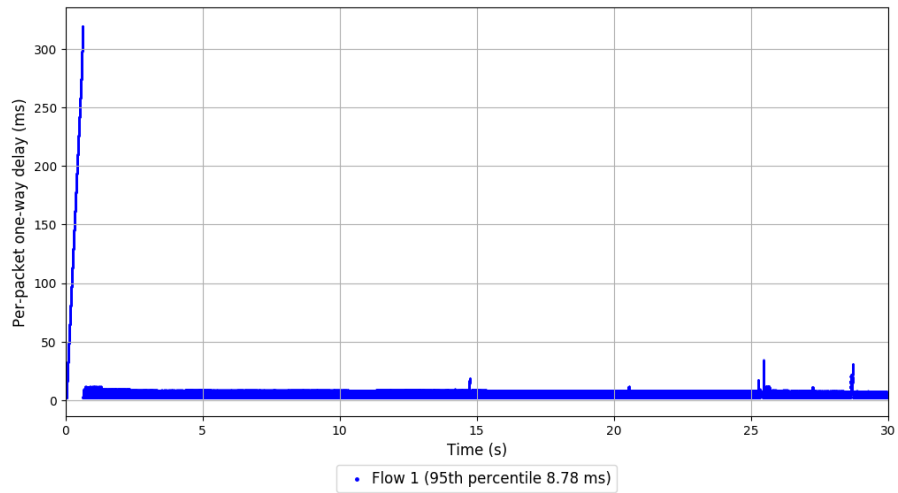
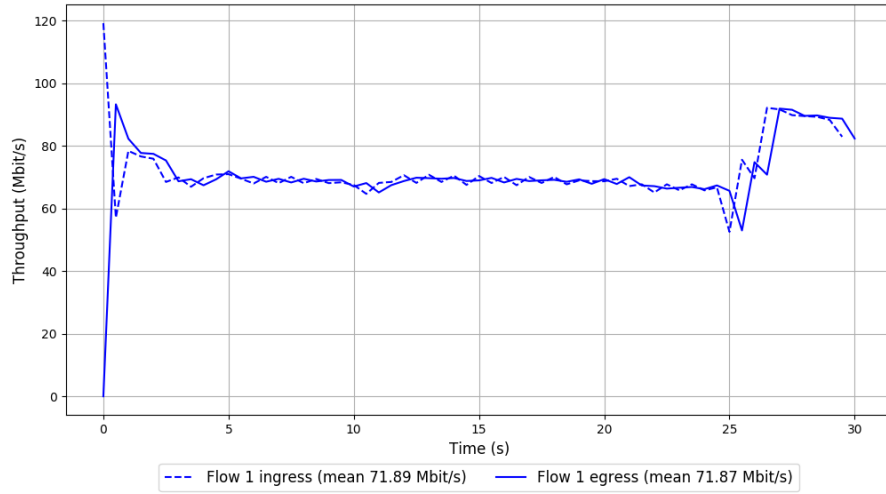
-- Total of 1 flow:

Average throughput: 71.87 Mbit/s
95th percentile per-packet one-way delay: 8.778 ms
Loss rate: 0.03%

-- Flow 1:

Average throughput: 71.87 Mbit/s
95th percentile per-packet one-way delay: 8.778 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

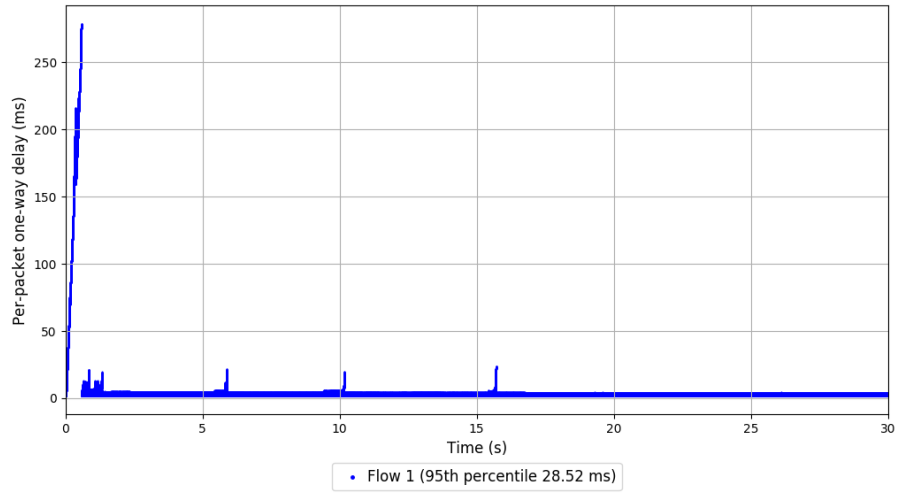
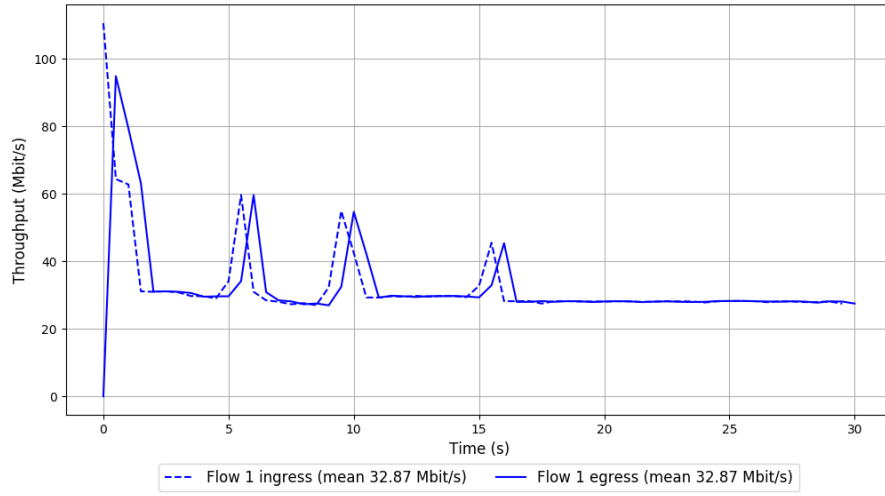


Run 2: Statistics of Verus

Start at: 2019-05-30 06:09:36
End at: 2019-05-30 06:10:07
Local clock offset: -5.052 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-05-30 07:48:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 28.521 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 28.521 ms
Loss rate: 0.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-05-30 06:33:13

End at: 2019-05-30 06:33:43

Local clock offset: -4.406 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2019-05-30 07:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 14.704 ms

Loss rate: 0.01%

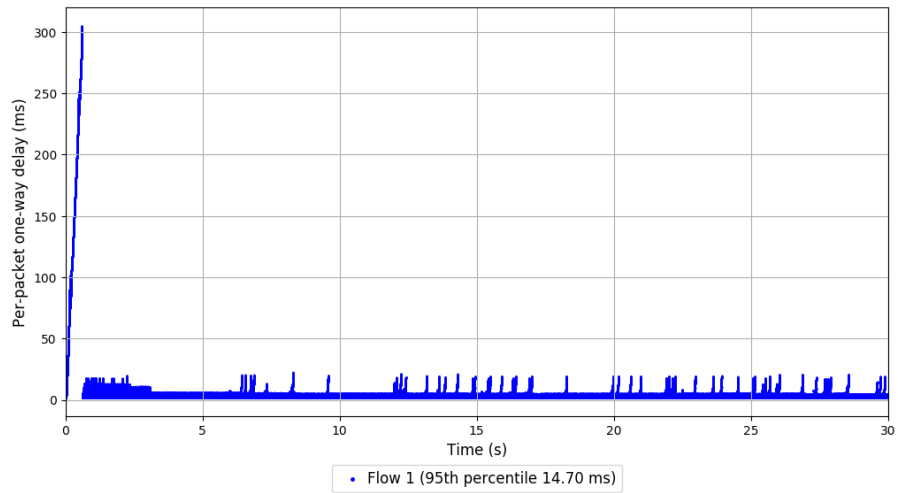
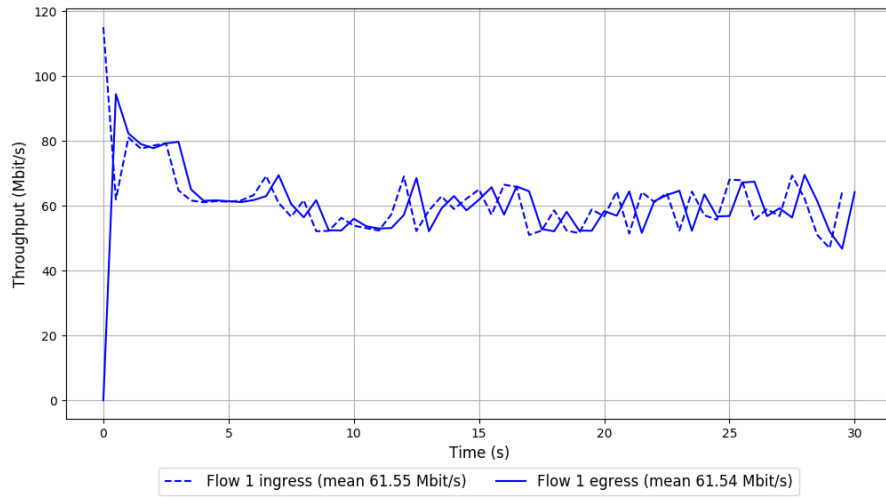
-- Flow 1:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 14.704 ms

Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-05-30 06:56:56

End at: 2019-05-30 06:57:26

Local clock offset: -2.541 ms

Remote clock offset: 0.484 ms

Below is generated by plot.py at 2019-05-30 07:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.79 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 0.04%

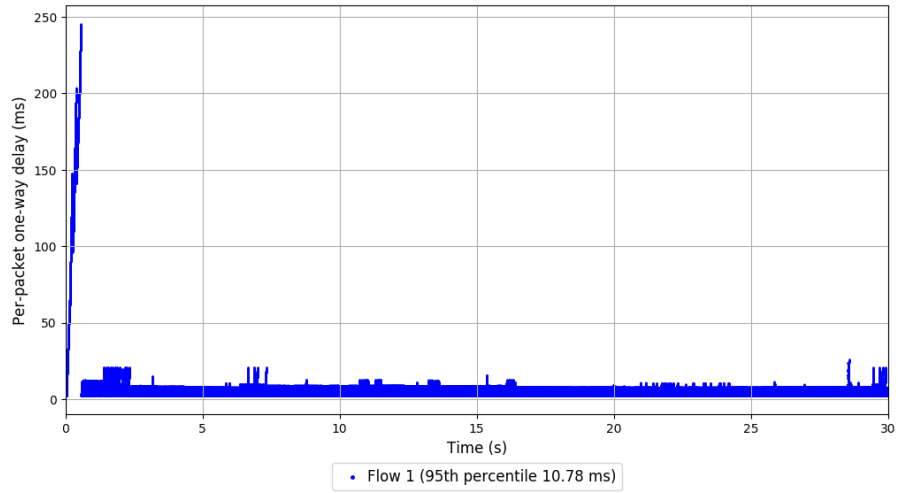
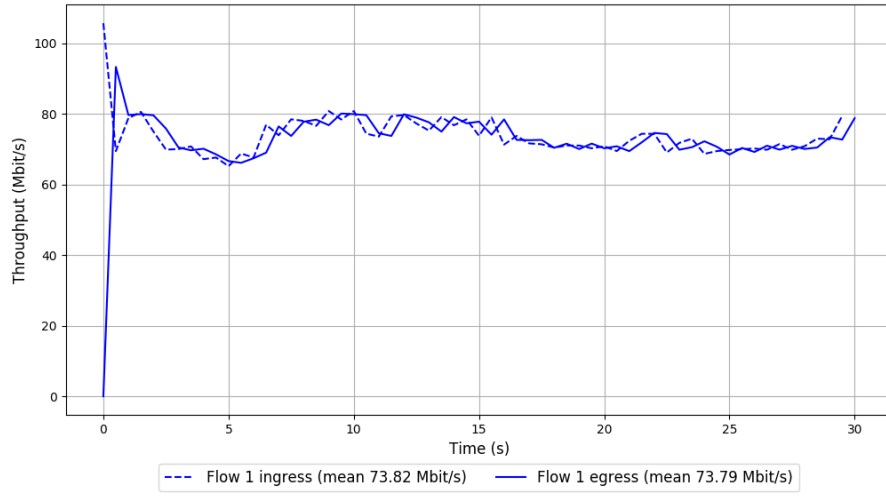
-- Flow 1:

Average throughput: 73.79 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 0.04%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-30 07:20:36

End at: 2019-05-30 07:21:07

Local clock offset: -3.015 ms

Remote clock offset: 0.647 ms

Below is generated by plot.py at 2019-05-30 07:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.81 Mbit/s

95th percentile per-packet one-way delay: 14.686 ms

Loss rate: 0.02%

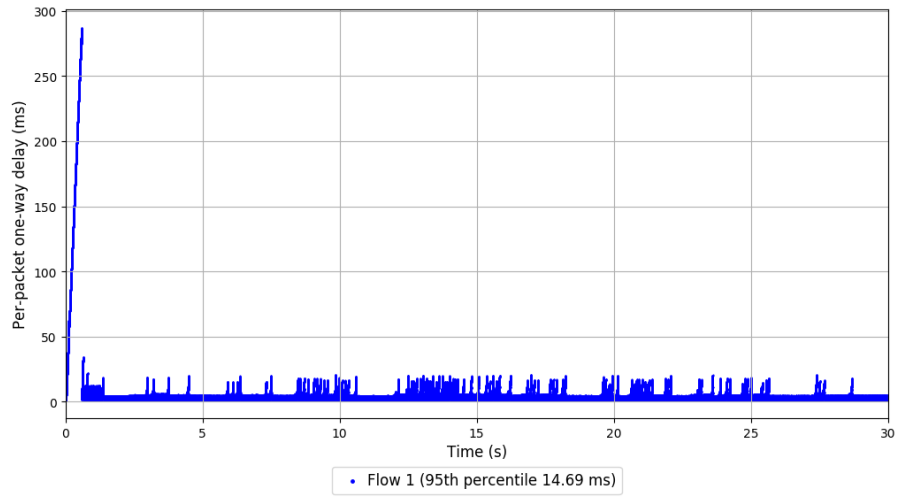
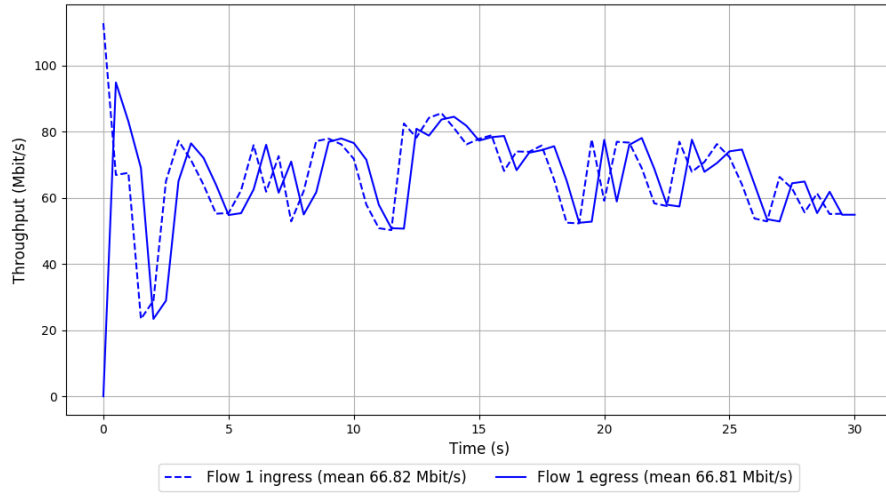
-- Flow 1:

Average throughput: 66.81 Mbit/s

95th percentile per-packet one-way delay: 14.686 ms

Loss rate: 0.02%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 05:49:16

End at: 2019-05-30 05:49:46

Local clock offset: -5.129 ms

Remote clock offset: -0.401 ms

Below is generated by plot.py at 2019-05-30 07:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.70 Mbit/s

95th percentile per-packet one-way delay: 2.176 ms

Loss rate: 0.01%

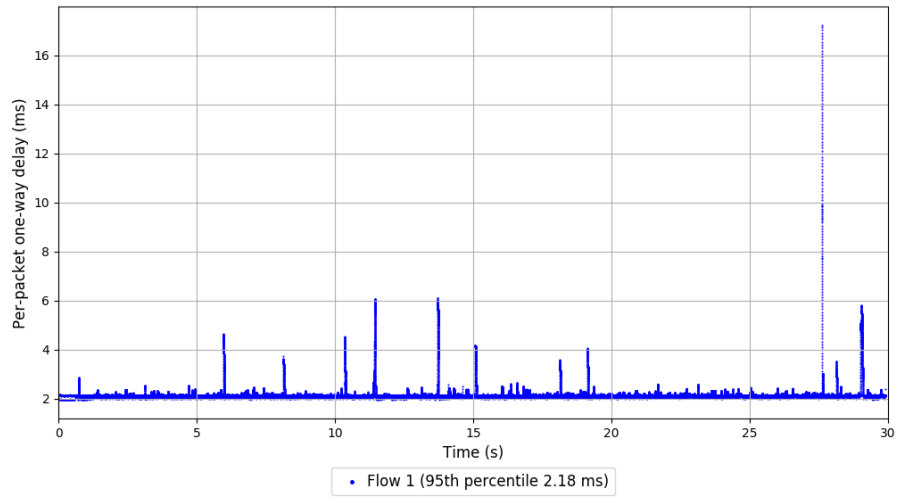
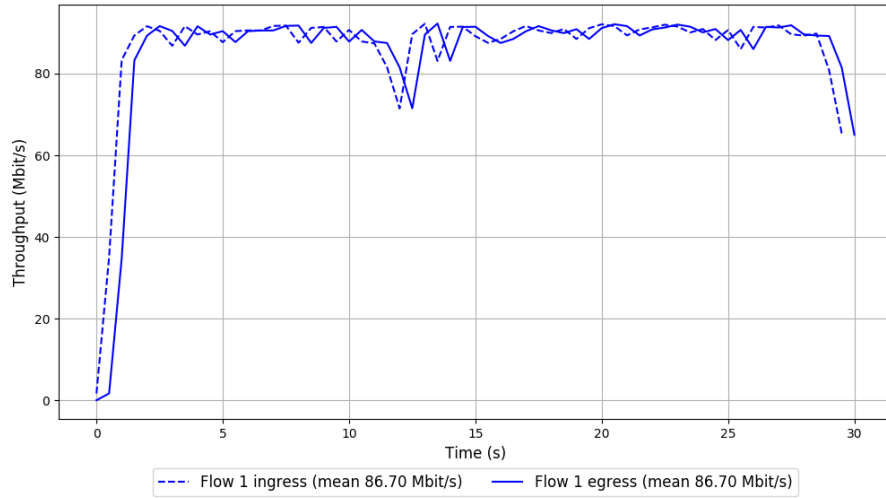
-- Flow 1:

Average throughput: 86.70 Mbit/s

95th percentile per-packet one-way delay: 2.176 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 06:12:55

End at: 2019-05-30 06:13:25

Local clock offset: -4.989 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-05-30 07:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.92 Mbit/s

95th percentile per-packet one-way delay: 1.376 ms

Loss rate: 0.01%

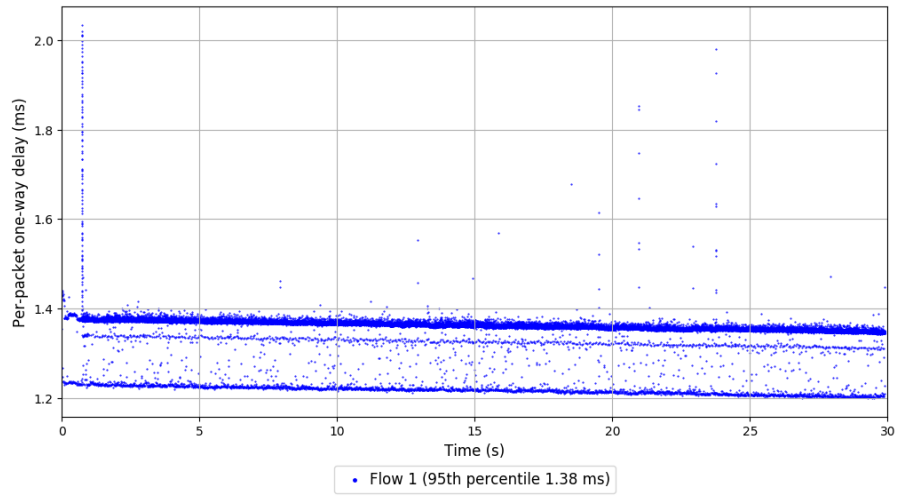
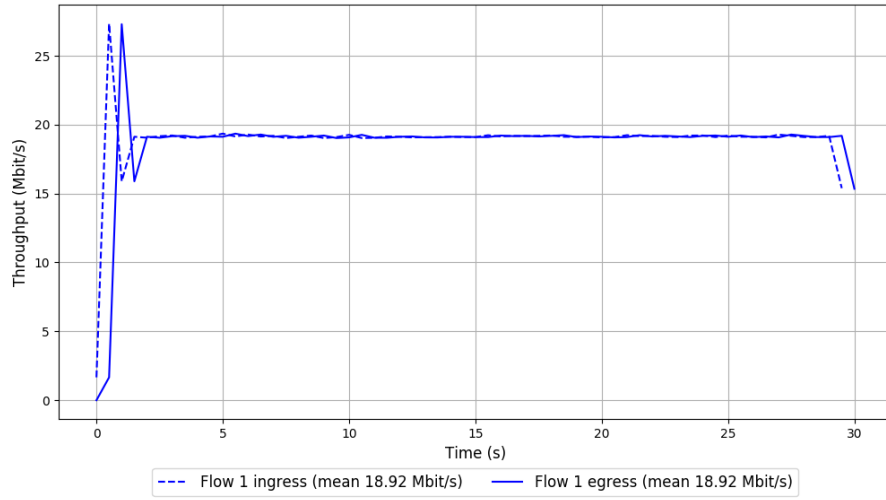
-- Flow 1:

Average throughput: 18.92 Mbit/s

95th percentile per-packet one-way delay: 1.376 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 06:36:34

End at: 2019-05-30 06:37:04

Local clock offset: -3.639 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 2.508 ms

Loss rate: 0.01%

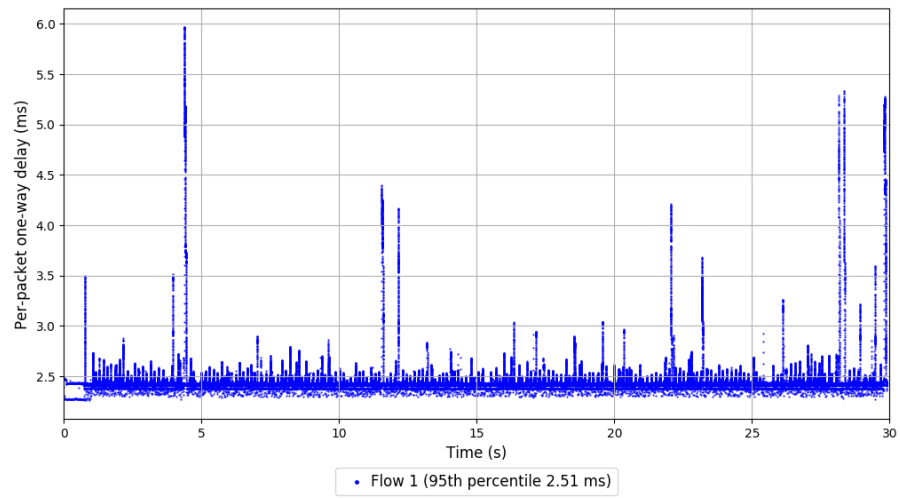
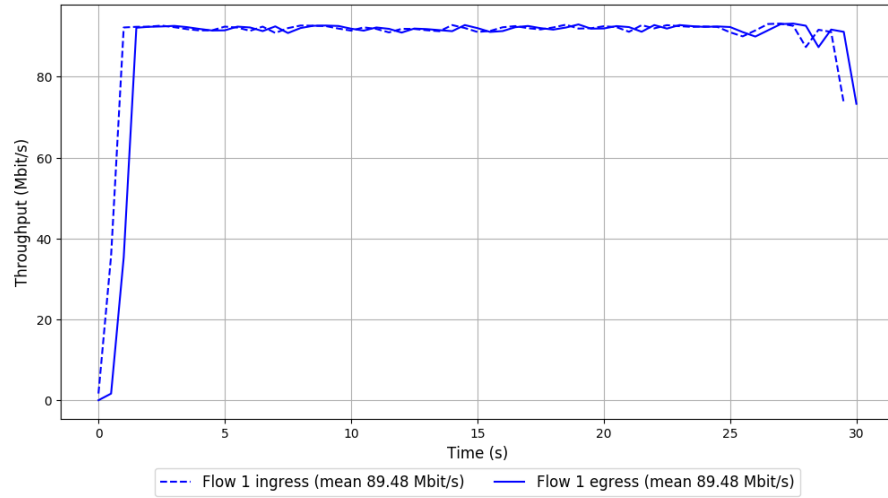
-- Flow 1:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 2.508 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 07:00:17

End at: 2019-05-30 07:00:47

Local clock offset: -2.405 ms

Remote clock offset: 0.464 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.77 Mbit/s

95th percentile per-packet one-way delay: 2.842 ms

Loss rate: 0.01%

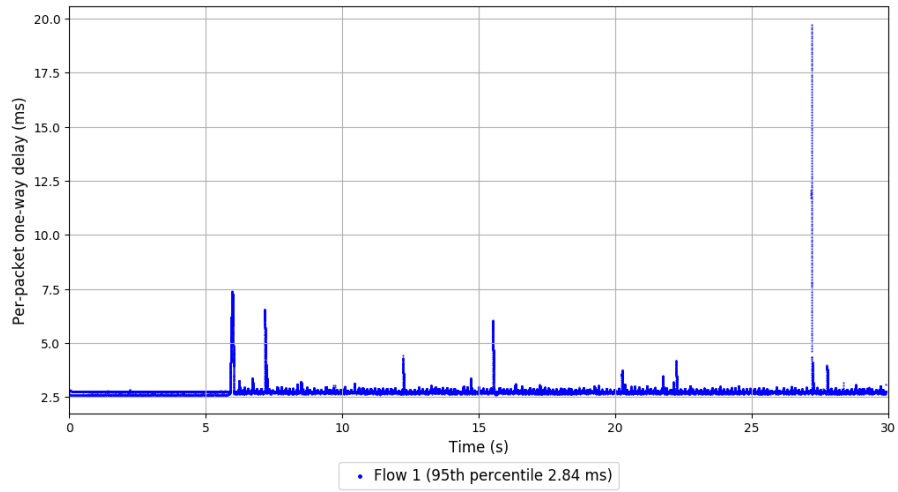
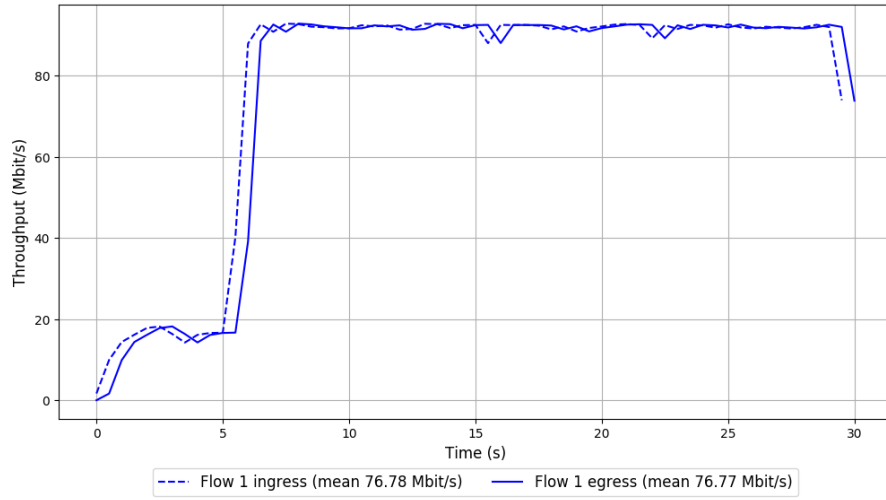
-- Flow 1:

Average throughput: 76.77 Mbit/s

95th percentile per-packet one-way delay: 2.842 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 07:23:58

End at: 2019-05-30 07:24:28

Local clock offset: -2.193 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 2.807 ms

Loss rate: 0.01%

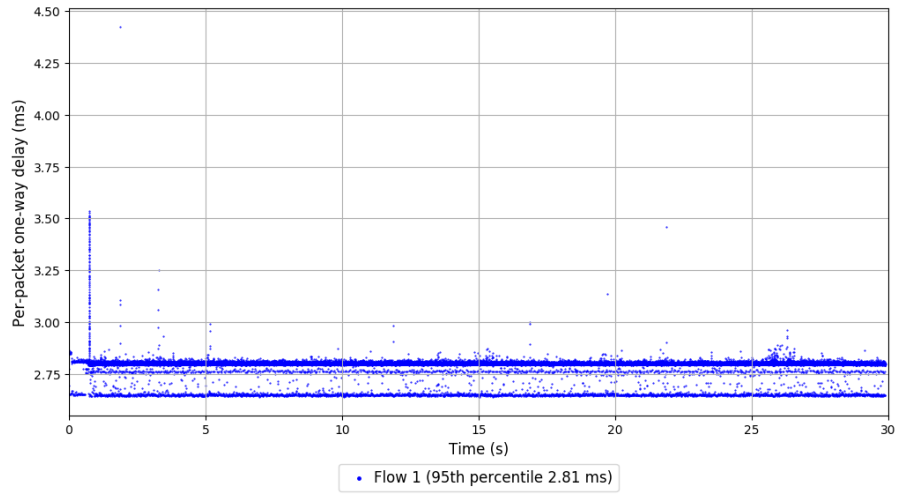
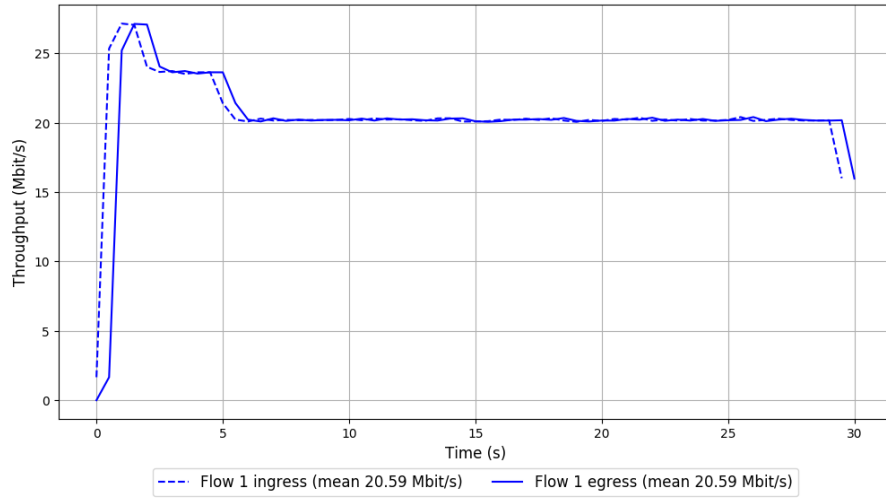
-- Flow 1:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 2.807 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

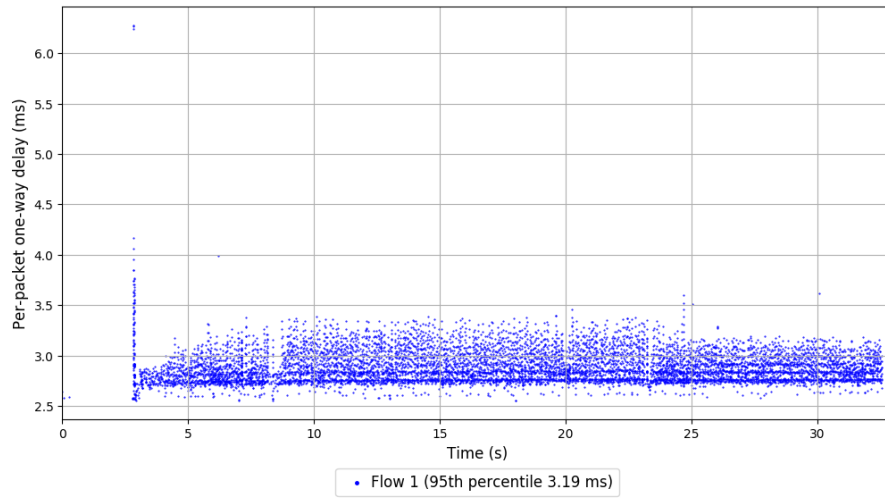
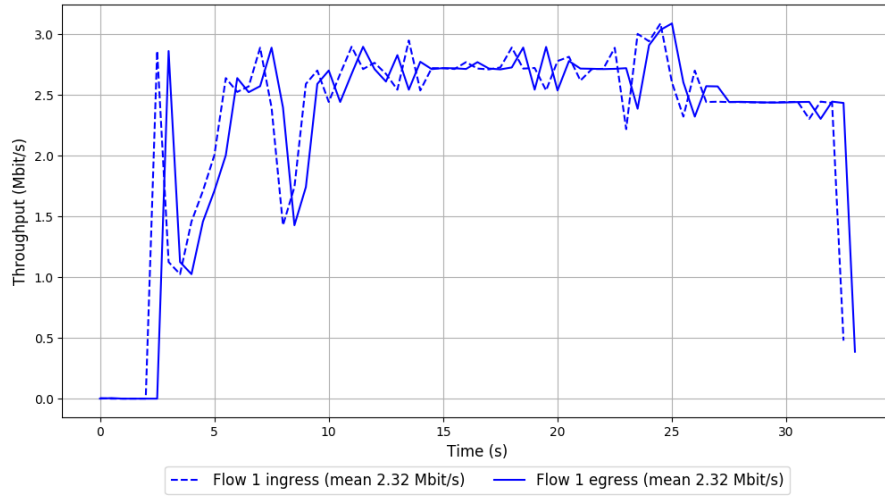


Run 1: Statistics of WebRTC media

Start at: 2019-05-30 05:41:25
End at: 2019-05-30 05:41:55
Local clock offset: -4.199 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2019-05-30 07:49:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.186 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.186 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-05-30 06:05:07

End at: 2019-05-30 06:05:37

Local clock offset: -5.36 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.980 ms

Loss rate: 0.00%

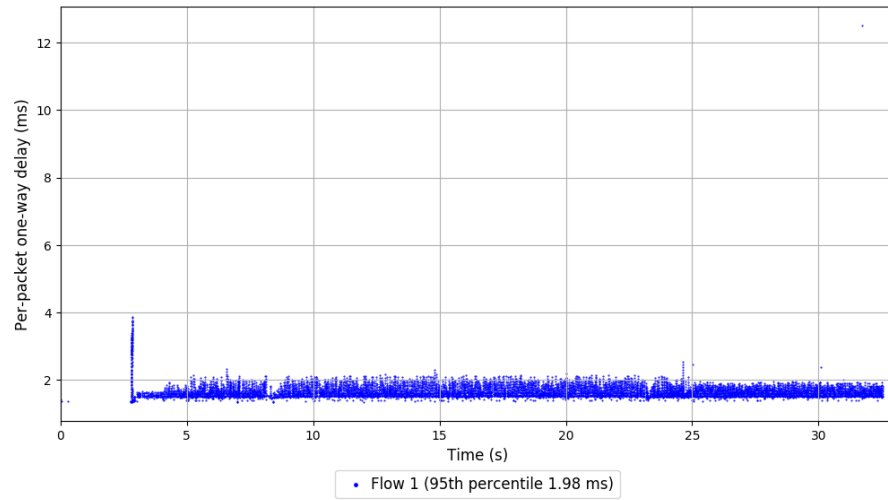
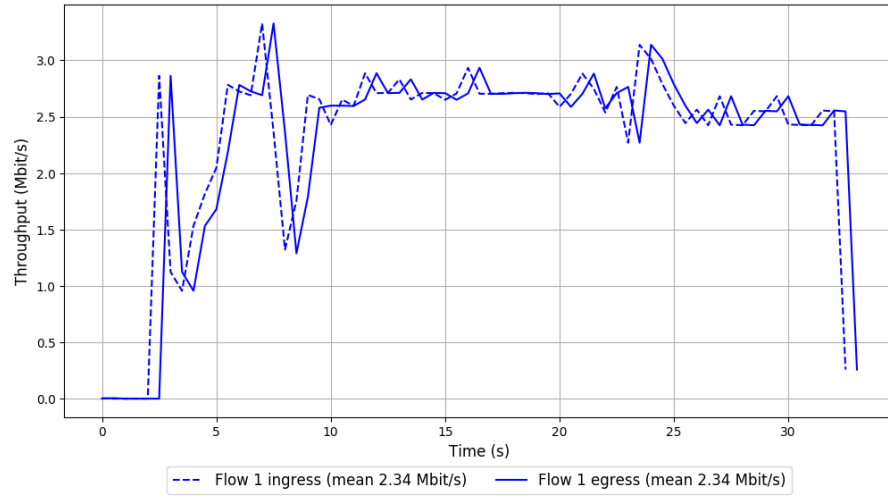
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.980 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-05-30 06:28:44

End at: 2019-05-30 06:29:14

Local clock offset: -3.562 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 3.071 ms

Loss rate: 0.00%

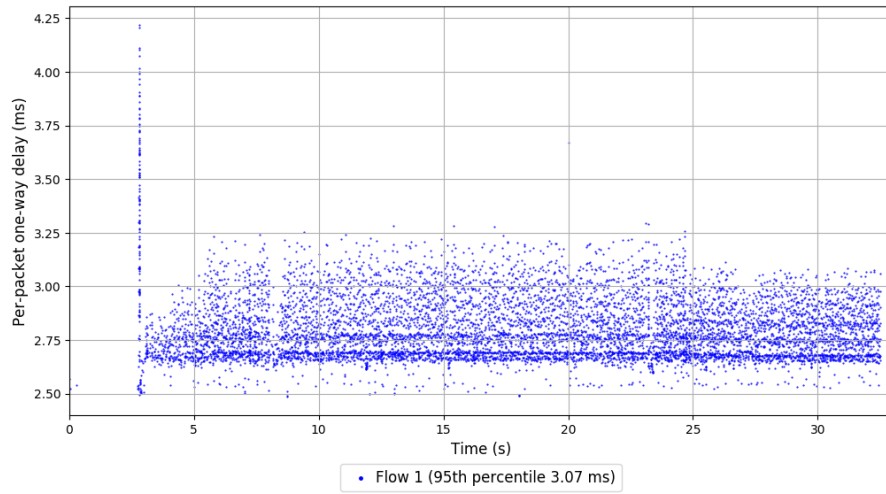
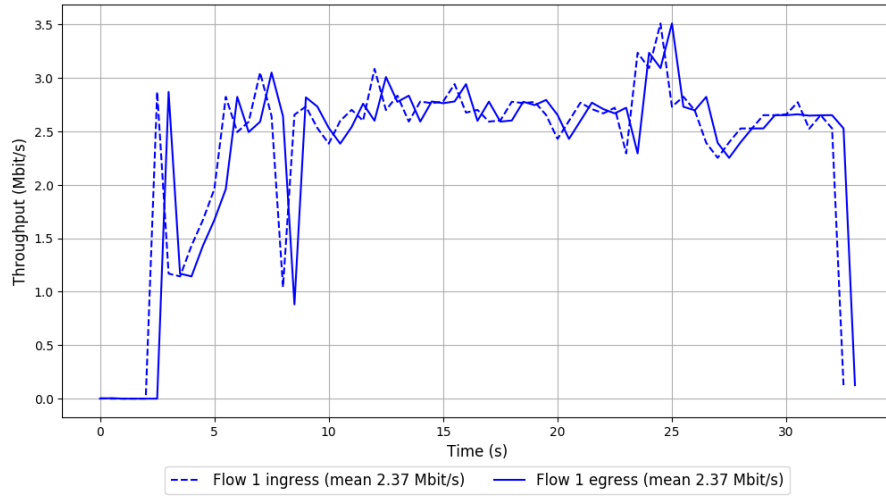
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 3.071 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-05-30 06:52:27

End at: 2019-05-30 06:52:57

Local clock offset: -3.396 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 2.374 ms

Loss rate: 0.00%

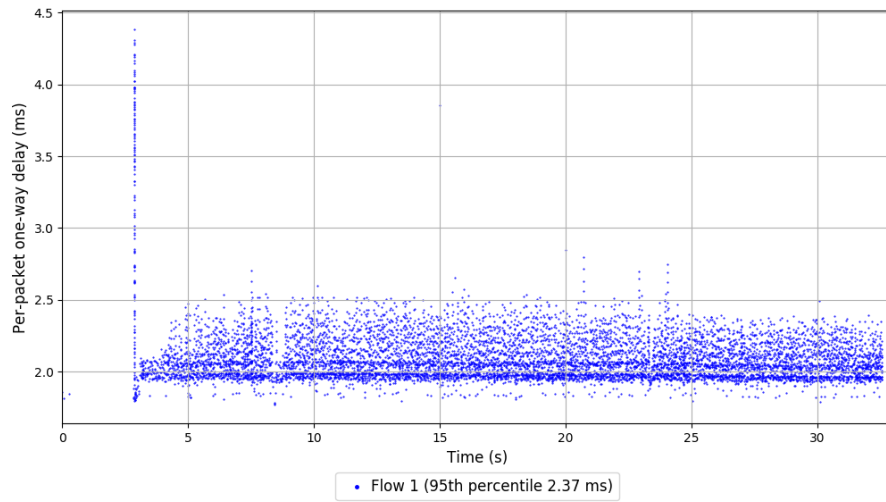
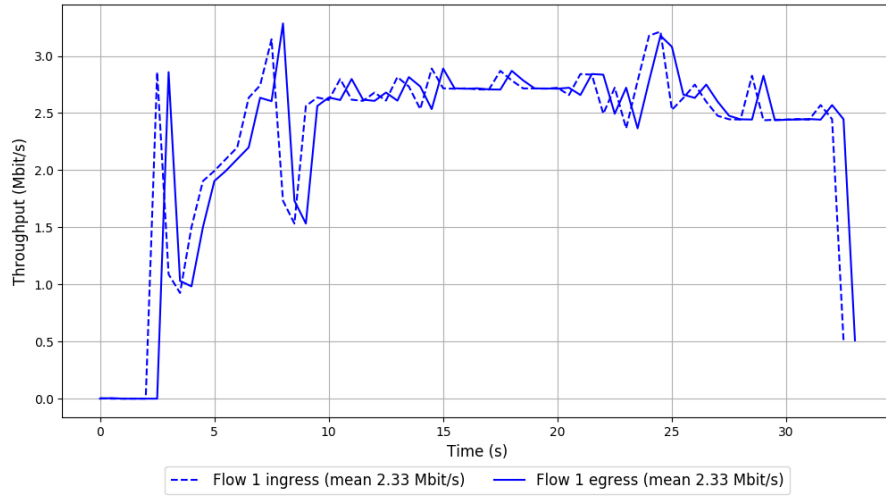
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 2.374 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 07:16:07

End at: 2019-05-30 07:16:37

Local clock offset: -3.067 ms

Remote clock offset: 0.601 ms

Below is generated by plot.py at 2019-05-30 07:49:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 2.053 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 2.053 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

